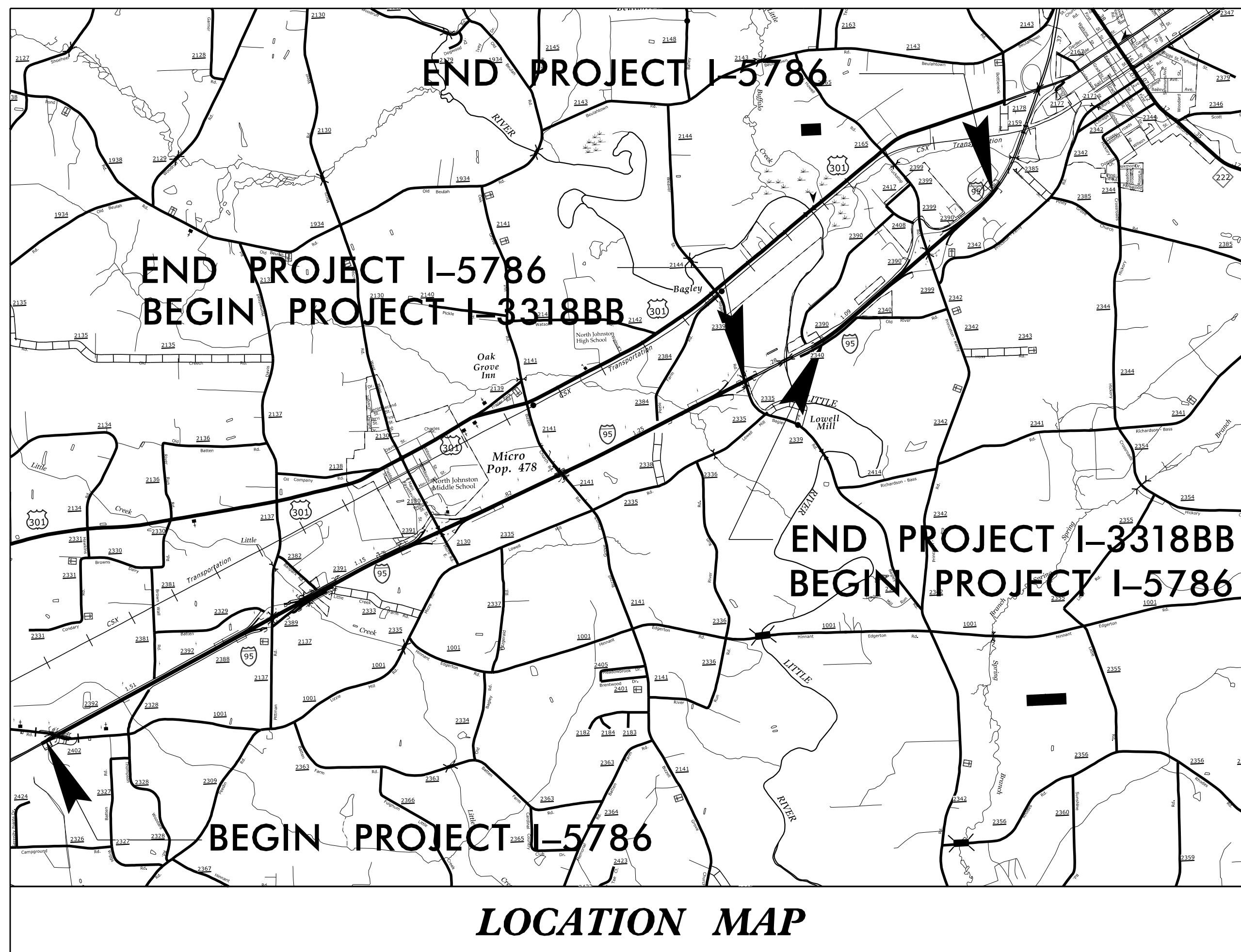
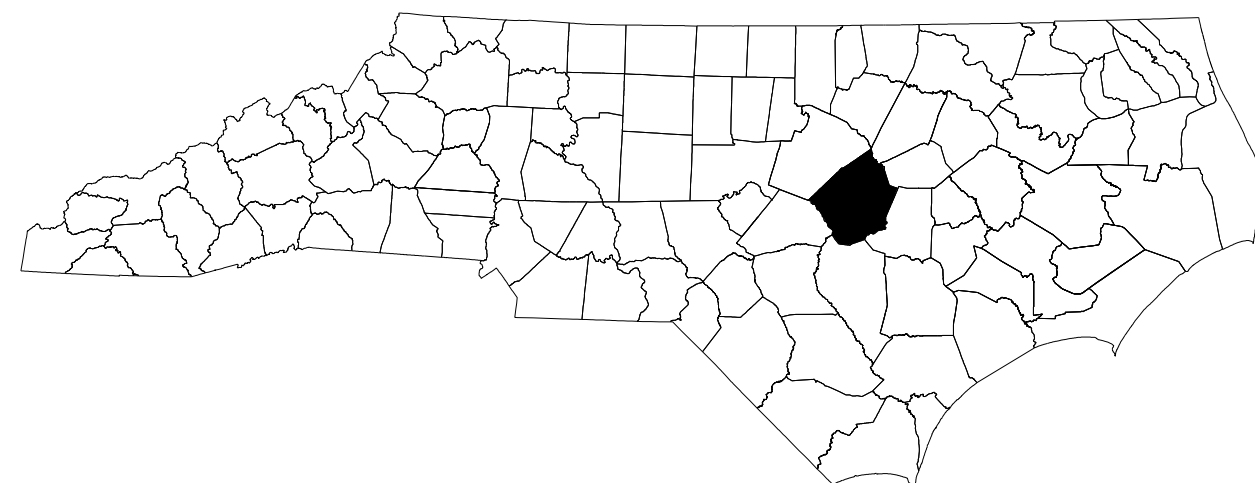


STATE OF NORTH CAROLINA
DIVISION OF HIGHWAYS

TRANSPORTATION MANAGEMENT PLAN

JOHNSTON COUNTY



LOCATION MAP

LOCATION: I-95 PAVEMENT REHABILITATION FROM MM 99.5 TO THE JOHNSTON/WILSON COUNTY LINE JUST NORTH OF KENLY

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



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

J. E. HUMMER, P.E. STATE TRAFFIC MANAGEMENT ENGINEER
J. S. KITE, P.E. TRAFFIC CONTROL PROJECT ENGINEER
MATT SPRINGER, P.E. TRAFFIC CONTROL PROJECT DESIGN ENGINEER
SPENCER B. JENNINGS TRAFFIC CONTROL DESIGN ENGINEER



INDEX OF SHEETS

SHEET NO.	TITLE
TMP-1	TITLE SHEET, VICINITY MAP AND INDEX OF SHEETS
TMP-1A	LIST OF APPLICABLE ROADWAY STANDARD DRAWINGS, TEMPORARY PAVEMENT MARKING SCHEDULE AND LEGEND
TMP-1B THRU TMP-1E	MANAGEMENT STRATEGIES AND GENERAL NOTES
TMP-2 THRU TMP-2B	SPECIAL SIGN DESIGN (S)
	<u>OFF-SITE DETOURS</u>
TMP-2C	LIZZIE MILL RD. SR 1001 (-Y1-)
TMP-2D	BIZZELL GROVE CHURCH RD. SR 2141 (-Y4-)
TMP-2E	I-95 (-L-) NB CLOSED BETWEEN EXIT 97 TO EXIT 101
TMP-2F	I-95 (-L-) SB CLOSED BETWEEN EXIT 97 TO EXIT 101
TMP-2G	I-95 (-L-) NB CLOSED BETWEEN EXIT 101 TO EXIT 102
TMP-2H	I-95 (-L-) SB CLOSED BETWEEN EXIT 101 TO EXIT 102
TMP-2I	I-95 (-L-) NB CLOSED BETWEEN EXIT 102 TO EXIT 105
TMP-2J	I-95 (-L-) SB CLOSED BETWEEN EXIT 102 TO EXIT 105
TMP-2K	I-95 (-L-) NB CLOSED BETWEEN EXIT 105 TO EXIT 106
TMP-2L	I-95 (-L-) SB CLOSED BETWEEN EXIT 105 TO EXIT 106
TMP-2M	I-95 (-L-) NB CLOSED BETWEEN EXIT 106 TO EXIT 107
TMP-2N	I-95 (-L-) SB CLOSED BETWEEN EXIT 106 TO EXIT 107
TMP-2O	TYPICAL CLOSURE I-95 (-L-) BETWEEN OFF & ON RAMP
TMP-2P	I-95 (-L-) NB EXIT 101 CLOSED TO PITTMAN ROAD
TMP-2Q	ON-RAMP CLOSED FROM PITTMAN ROAD TO I-95 (-L-) NB
TMP-2R	ON-RAMP CLOSED FROM PITTMAN ROAD TO I-95 (-L-) SB
TMP-2S	I-95 (-L-) SB EXIT 101 CLOSED TO PITTMAN ROAD
TMP-2T	I-95 (-L-) NB EXIT 102 CLOSED TO MICRO ROAD
TMP-2U	ON-RAMP CLOSED FROM MICRO ROAD TO I-95 (-L-) NB
TMP-2V	ON-RAMP CLOSED FROM MICRO ROAD TO I-95 (-L-) SB
TMP-2W	I-95 (-L-) SB EXIT 102 CLOSED TO MICRO ROAD
TMP-2X	I-95 (-L-) NB EXIT 105 CLOSED TO BAGLEY ROAD
TMP-2Y	ON-RAMP CLOSED FROM BAGLEY ROAD TO I-95 (-L-) SB
TMP-2Z	I-95 (-L-) NB EXIT 106 CLOSED TO TRUCK STOP ROAD
TMP-2AA	ON-RAMP CLOSED FROM TRUCK STOP ROAD TO I-95 (-L-) NB
TMP-2BB	ON-RAMP CLOSED FROM TRUCK STOP ROAD TO I-95 (-L-) SB
TMP-2CC	I-95 (-L-) SB EXIT 106 CLOSED TO TRUCK STOP ROAD
TMP-2DD	WORK ZONE "VARIABLE" SPEED LIMIT REDUCTION
TMP-2EE	WORK ZONE "VARIABLE" SPEED LIMIT USING DIGITAL SPEED LIMIT SIGNS
TMP-2FF	SEQUENTIAL FLASHING WARNING LIGHTS AND WORK ZONE PRESENCE LIGHTING
TMP-3 THRU TMP-3D	PHASING
TMP-4 THRU TMP-19	PHASE I DETAILS
TMP-20	CONCRETE PAVEMENT REMOVAL DETAILS
TMP-21 THRU TMP-33	PHASE II DETAILS

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UNLESS ALL SIGNATURES COMPLETED**

PLAN PREPARED FOR NCDOT BY:

BOB A. MAY, P.E. PROJECT ENGINEER
JESSE W. GILSTRAP TRAFFIC CONTROL ENGINEER
SCOTT L. KENNEDY TRAFFIC CONTROL ENGINEER

APPROVED: DATE: 6/7/2017

SEAL



Bob A. May

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 2012 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
1160.01	TEMPORARY CRASH CUSHION
1165.01	WORK VEHICLE LIGHTING SYSTEMS AND TMA DELINEATION
1170.01	POSITIVE PROTECTION
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
1205.08	PAVEMENT MARKINGS - SYMBOLS AND WORD MESSAGES
1205.09	PAVEMENT MARKINGS - PAINTED ISLANDS
1250.01	RAISED PAVEMENT MARKERS - INSTALLATION SPACING
1251.01	RAISED PAVEMENT MARKERS - PERMANENT AND TEMPORARY
1261.01	GUARDRAIL AND BARRIER DELINEATORS - INSTALLATION SPACING
1261.02	GUARDRAIL AND BARRIER DELINEATORS - TYPES AND MOUNTING
1262.01	GUARDRAIL END DELINEATION

LEGEND

GENERAL

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

- WORK AREA
- WORK AREA
- ON GOING CONSTRUCTION
- REMOVAL

SIGNALS

- EXISTING
- PROPOSED
- TEMPORARY

PAVEMENT MARKINGS

- EXISTING LINES
- TEMPORARY LINES

TRAFFIC CONTROL DEVICES

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

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

- PAINT (4")**
 - PA WHITE EDGELINE
 - PB YELLOW EDGELINE
 - PC 10' WHITE SKIP
 - PD 3FT.-9FT./SP WHITE MINI-SKIP
 - PI YELLOW DOUBLE CENTER
 - P8 2FT.-6FT./SP WHITE MINI-SKIP
- PAINT (8")**
 - PN WHITE GORE LINE
- PAINT (12")**
 - PV YELLOW DIAGONAL
- PAINT (24")**
 - P2 WHITE STOP-BAR

PAINT SYMBOLS

- QP MERGE ARROW
- QQ RAMP ARROW

TEMPORARY RAISED MARKERS

- MH YELLOW & YELLOW
- MI CRYSTAL & RED

COLD APPLIED PLASTIC 4" (TYPE 4) - REM. TAPE

- CA WHITE EDGELINE
- CB YELLOW EDGELINE

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<p>1223 Jones Franklin Rd. Raleigh, N.C. 27606 License No. F-0377 Bus: 919 851 8077 Fax: 919 851 8107</p>	APPROVED: _____ DATE: _____ 6/5/2017			ROADWAY STANDARD DRAWINGS, TEMPORARY PAVEMENT MARKING SCHEDULE & LEGEND
	SEAL			

5/4/2017
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MANAGEMENT STRATEGIES

CONSTRUCTION

REPLACE DAMAGED CONCRETE SLABS & FULL DEPTH ASPHALT PATCHES WITH CONCRETE; REMOVE & REPLACE OUTSIDE SHOULDER FULL DEPTH, REMOVE INSIDE SHOULDER & PAVE MEDIAN; CONSTRUCT MEDIAN CONCRETE BARRIER; REPLACE BRIDGE NO. 108 (LIZZIE MILL ROAD/SR 1001) & BRIDGE NO. 111 (BIZZELL GROVE CHURCH ROAD/SR 2141) OVER I-95; AND MILL & OVERLAY I-95.

TMP DESIGN PARAMETERS

THIS PROJECT CONTAINS DAILY LANE & ROAD CLOSURES RESTRICTIONS, IN ADDITION TO HOLIDAYS AND SPECIAL EVENTS (SEE SHEETS TMP-1B & TMP-1C).

THE SPEED LIMIT ON I-95 SHALL BE REDUCED TO 55 MPH UTILIZING WORK ZONE "VARIABLE" SPEED LIMIT REDUCTION (SEE TMP-2DD) WHENEVER A TEMPORARY LANE CLOSURE AND/OR TEMPORARY ROAD CLOSURE AND/OR MOVING OPERATION CARAVAN IS BEING UTILIZED ON I-95.

THE SPEED LIMIT ON I-95 SHALL BE REDUCED TO 60 MPH UTILIZING WORK ZONE "VARIABLE" SPEED LIMIT USING DIGITAL SPEED LIMIT SIGNS (SEE TMP-2EE) WHEN PORTABLE CONCRETE BARRIER IS INSTALLED ON I-95.

SLAB REMOVAL & REPLACEMENT WILL BE ACCOMPLISHED UTILIZING LANE CLOSURES AND/OR CLOSING SHORT SEGMENTS OF I-95.

MEDIAN SHOULDER REMOVAL & PAVING OF MEDIAN WITH CONSTRUCTION OF PROPOSED CONCRETE BARRIER WILL BE ACCOMPLISHED BEHIND PORTABLE CONCRETE BARRIER.

ACCELERATION LANE EXTENSIONS, OUTSIDE SHOULDER REMOVAL AND REPLACEMENT WILL BE ACCOMPLISHED BEHIND PORTABLE CONCRETE BARRIER. ON/OFF-RAMPS CAN BE CLOSED FOR SHOULDER REMOVAL AND REPLACEMENT.

BOTH BRIDGE REPLACEMENTS OVER I-95 WILL UTILIZE OFF-SITE DETOURS. BRIDGE REMOVAL AND GIRDER INSTALLATION WILL BE ACCOMPLISHED WITH ONE DIRECTION OF I-95 CLOSED AT A TIME.

MILLING/OVERLAY WILL BE ACCOMPLISHED UTILIZING LANE CLOSURES AND/OR CLOSING SHORT SEGMENTS OF I-95 AND/OR RAMP CLOSURES, AS APPROVED BY THE ENGINEER.

GENERAL NOTES / LOCAL NOTES

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

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

TIME RESTRICTIONS

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

FOR ALL OPERATIONS:

<u>ROAD NAME</u>	<u>DAY AND TIME RESTRICTIONS</u>
1. I-95 AND I-95 RAMPS & LOOPS	MONDAY THRU THURSDAY, 7:00 AM TO 8:00 PM FRIDAY THRU SUNDAY, 7:00 AM TO 10:00 PM

FOR CONCRETE SLAB REMOVAL & REPLACEMENT:

<u>ROAD NAME</u>	<u>DAY AND TIME RESTRICTIONS</u>
1. I-95 AND I-95 RAMPS & LOOPS	FROM THE WEEK AFTER LABOR DAY TO THE WEEK BEFORE MEMORIAL DAY, FRIDAY NOON TO SUNDAY MIDNIGHT

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

ROAD NAME

- I-95 AND I-95 RAMPS & LOOPS

HOLIDAY

- FOR ANY UNEXPECTED OCCURRENCE THAT CREATE UNUSUALLY HIGH TRAFFIC VOLUMES, AS DIRECTED BY THE ENGINEER.
- FOR NEW YEAR'S, BETWEEN THE HOURS OF 7:00 AM DECEMBER 31st TO 8:00 PM JANUARY 2ND. IF NEW YEAR'S DAY IS ON A FRIDAY, SATURDAY, SUNDAY, OR MONDAY THEN UNTIL 8:00 PM THE FOLLOWING TUESDAY.
- FOR EASTER, BETWEEN THE HOURS OF 7:00 AM THURSDAY AND 8:00 PM TUESDAY.
- FOR MEMORIAL DAY, BETWEEN THE HOURS OF 7:00 AM FRIDAY TO 8:00 PM WEDNESDAY.
- FOR INDEPENDENCE DAY, BETWEEN THE HOURS OF 7:00 AM THE FRIDAY BEFORE THE WEEK OF INDEPENDENCE DAY AND 8:00 PM THE FOLLOWING MONDAY AFTER THE WEEK OF INDEPENDENCE DAY.

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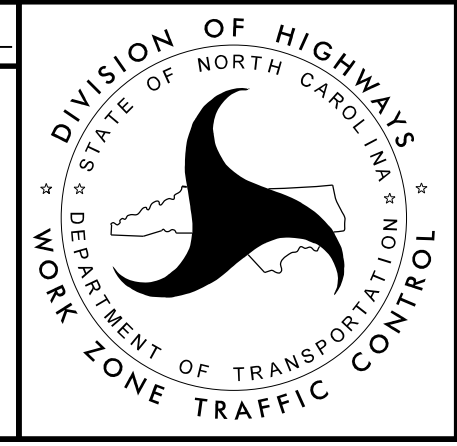
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Fax: 919 851 8107

TRANSPORTATION PLANNING/DESIGN - BRIDGE/STRUCTURE DESIGN
CIVIL/SITE DESIGN - GIS/GPS - CONSTRUCTION OBSERVATION

APPROVED: _____ DATE: _____

6/5/2017

SEAL
21116
E. A. MAY
PROFESSIONAL ENGINEER
STATE OF NORTH CAROLINA



MANAGEMENT STRATEGIES AND GENERAL NOTES

GENERAL NOTES / LOCAL NOTES (CONT)

- 6. FOR LABOR DAY, BETWEEN THE HOURS OF 7:00 AM FRIDAY AND 8:00 PM WEDNESDAY.
- 7. FOR THANKSGIVING DAY, BETWEEN THE HOURS OF 7:00 AM TUESDAY TO 8:00 PM MONDAY.
- 8. FOR CHRISTMAS, BETWEEN THE HOURS OF 7:00 AM THE FRIDAY BEFORE THE WEEK OF CHRISTMAS DAY AND 8:00 PM THE FOLLOWING TUESDAY AFTER THE WEEK OF CHRISTMAS.

C) DO NOT CLOSE ROADS AS FOLLOWS:

ROAD NAME	DAY AND TIME RESTRICTIONS
1. I-95 AND I-95 RAMP & LOOPS	MONDAY THRU THURSDAY, 5:00 AM TO 11:00 PM AND FRIDAY 5:00 AM TO SUNDAY MIDNIGHT

D) DO NOT STOP TRAFFIC AS FOLLOWS:

ROAD NAME	DAY AND TIME RESTRICTIONS	DURATION AND OPERATION
1. I-95 AND I-95 RAMP & LOOPS	MONDAY THRU THURSDAY, 5:00 AM TO 11:00 PM AND FRIDAY 5:00 AM TO SUNDAY MIDNIGHT	30 MINUTES FOR OVERHEAD SIGN REMOVAL AND INSTALLATION
2. I-95 AND I-95 RAMP & LOOPS	MONDAY THRU THURSDAY, 5:00 AM TO 11:00 PM AND FRIDAY 5:00 AM TO SUNDAY MIDNIGHT	30 MINUTES FOR BRIDGE REMOVAL AND GIRDER INSTALLATION

E) DO NOT CONDUCT MULTI-VEHICLE HAULING AS FOLLOWS; INGRESS AND EGRESS FROM RAMPS WILL BE ALLOWED:

FROM THE WEEK BEFORE MEMORIAL DAY TO THE WEEK AFTER LABOR DAY:

ROAD NAME	DAY AND TIME RESTRICTIONS
1. I-95 AND I-95 RAMP & LOOPS	MONDAY THRU THURSDAY, 7:00 AM TO 8:00 PM FRIDAY THRU SUNDAY, 7:00 AM TO 10:00 PM

F) 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

- G) 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.
- H) 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.

- I) 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.

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

- K) 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.

- L) DO NOT INSTALL MORE THAN 5 MILES OF LANE CLOSURE ON I-95 MEASURED FROM THE BEGINNING OF THE MERGE TAPER TO THE END OF THE LANE CLOSURE.

- M) DO NOT INSTALL MORE THAN ONE LANE CLOSURE, IN ANY ONE DIRECTION, ON I-95.

- N) PROVIDE TRAFFIC CONTROL FOR APPROPRIATE LANE CLOSURES FOR SURVEYING DONE BY THE DEPARTMENT.

PAVEMENT EDGE DROP OFF REQUIREMENTS

- O) 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 A DROP-OFF AS FOLLOWS:

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

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

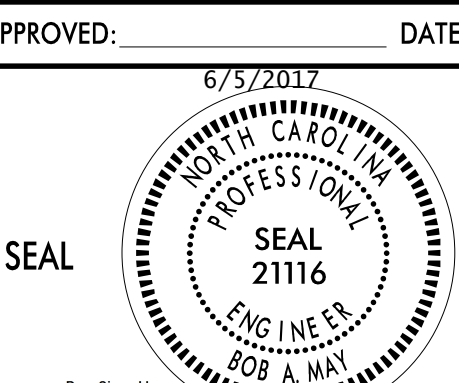


BACKFILL WITH SUITABLE COMPACTED MATERIAL, AS APPROVED BY THE ENGINEER, AT NO EXPENSE TO THE DEPARTMENT.

- P) DO NOT EXCEED A DIFFERENCE OF 2 INCHES IN ELEVATION BETWEEN OPEN LANES OF TRAFFIC FOR NOMINAL LIFTS OF 2.0 INCHES. INSTALL ADVANCE WARNING "UNEVEN LANES" SIGNS (W8-11) 1,000 FT IN ADVANCE AND A MINIMUM OF ONCE EVERY HALF MILE THROUGHOUT THE UNEVEN AREA.

TRAFFIC PATTERN ALTERATIONS

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

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 <p style="font-size: x-small; text-align: center;">TRANSPORTATION PLANNING/DESIGN - BRIDGE/STRUCTURE DESIGN CIVIL/SITE DESIGN - GIS/GPS - CONSTRUCTION OBSERVATION</p>	1223 Jones Franklin Rd. Raleigh, N.C. 27606 License No. F-0377 Bus: 919 851 8077 Fax: 919 851 8107			

GENERAL NOTES / LOCAL NOTES (CONT)

SIGNING

- R) 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.
- S) 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.
- T) 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.
- U) ENSURE ALL NECESSARY SIGNING IS IN PLACE PRIOR TO ALTERING ANY TRAFFIC PATTERN.
- V) INSTALL BLACK ON ORANGE "DIP" SIGNS (W8-2) AND/OR "BUMP" SIGNS (W8-1) 1,000 FT IN ADVANCE OF THE UNEVEN AREA, OR AS DIRECTED BY THE ENGINEER.

TRAFFIC BARRIER

- W) INSTALL TEMPORARY BARRIER ACCORDING TO THE TRANSPORTATION MANAGEMENT PLANS A MAXIMUM OF TWO (2) WEEKS PRIOR TO BEGINNING WORK IN ANY LOCATION. ONCE TEMPORARY BARRIER IS INSTALLED AT ANY LOCATION, PROCEED IN A CONTINUOUS MANNER TO COMPLETE THE PROPOSED WORK IN THAT LOCATION UNLESS OTHERWISE STATED IN THE TRANSPORTATION MANAGEMENT PLANS OR AS DIRECTED BY THE ENGINEER.

DO NOT PLACE BARRIER DIRECTLY ON ANY SURFACE OTHER THAN ASPHALT OR CONCRETE.

ONCE TEMPORARY BARRIER IS INSTALLED AT ANY LOCATION AND NO WORK IS PERFORMED BEHIND THE TEMPORARY BARRIER FOR A PERIOD LONGER THAN TWO (2) MONTHS, REMOVE/RESET TEMPORARY BARRIER AT NO COST TO THE DEPARTMENT UNLESS OTHERWISE STATED IN THE TRAFFIC MANAGEMENT PLANS, TEMPORARY BARRIER IS PROTECTING A HAZARD, OR AS DIRECTED BY THE ENGINEER.

INSTALL TEMPORARY BARRIER WITH THE TRAFFIC FLOW, BEGINNING WITH THE UPSTREAM SIDE OF TRAFFIC. REMOVE TEMPORARY BARRIER AGAINST THE TRAFFIC FLOW, BEGINNING WITH THE DOWNSTREAM SIDE OF TRAFFIC.

INSTALL AND SPACE DRUMS NO GREATER THAN TWICE THE POSTED SPEED LIMIT (MPH) TO CLOSE OR KEEP THE SECTION OF THE ROADWAY CLOSED UNTIL THE TEMPORARY BARRIER CAN BE PLACED OR AFTER THE TEMPORARY BARRIER IS REMOVED.
- X) PROTECT THE APPROACH END OF MOVABLE/PORTABLE CONCRETE BARRIER AT ALL TIMES DURING THE INSTALLATION AND REMOVAL OF THE BARRIER BY EITHER A TRUCK MOUNTED ATTENUATOR (MAXIMUM 72 HOURS) OR A TEMPORARY CRASH CUSHION.

PROTECT THE APPROACH END OF MOVABLE/PORTABLE CONCRETE BARRIER FROM ONCOMING TRAFFIC AT ALL TIMES BY A TEMPORARY CRASH CUSHION UNLESS THE APPROACH END OF MOVABLE/PORTABLE CONCRETE BARRIER IS OFFSET FROM ONCOMING TRAFFIC AS FOLLOWS OR AS SHOWN IN THE PLANS:

POSTED SPEED LIMIT	MINIMUM OFFSET
40 OR LESS	15 FT
45-50	20 FT
55	25 FT
60 MPH or HIGHER	30 FT

TRAFFIC CONTROL DEVICES

- Y) 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.
- Z) PLACE TYPE III BARRICADES WITH "ROAD CLOSED" SIGN R11-2 ATTACHED OF SUFFICIENT LENGTH TO CLOSE ENTIRE ROADWAY.
- AA) PLACE ADDITIONAL SETS OF THREE CHANNELIZING DEVICES (DRUMS, CONES OR SKINNY DRUMS) PERPENDICULAR TO THE EDGE OF TRAVELWAY ON 1,000 FT CENTERS WHEN UNOPENED LANES ARE CLOSED TO TRAFFIC.

PAVEMENT MARKINGS AND MARKERS

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

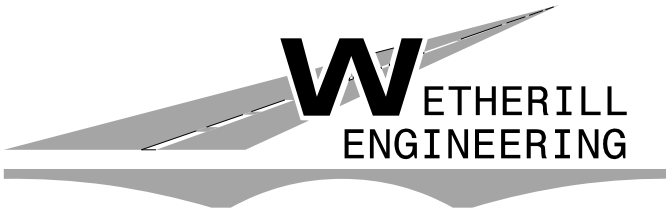
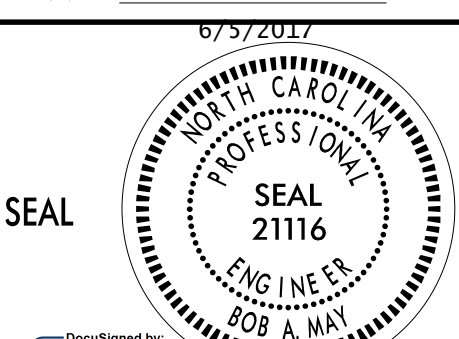
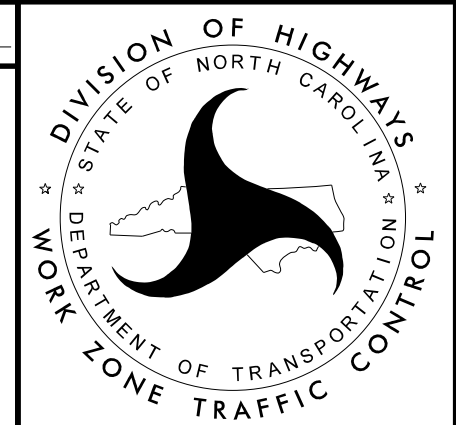
ROAD NAME	MARKING	MARKER
1. I-95 AND I-95 RAMPS & LOOPS	PAINT	TEMPORARY RAISED

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

MISCELLANEOUS

- FF) LAW ENFORCEMENT MAY BE USED TO MAINTAIN TRAFFIC THROUGH THE WORK AREA AND/OR INTERSECTIONS, AS DIRECTED BY THE ENGINEER.
- GG) REDUCE THE SPEED LIMIT TO 55 MPH ON I-95 UTILIZING WORK ZONE "VARIABLE" SPEED LIMIT REDUCTION (SEE TMP-2DD) WHENEVER A TEMPORARY SHOULDER CLOSURE AND/OR TEMPORARY LANE CLOSURE AND/OR MOVING OPERATION CARAVAN IS BEING UTILIZED ON I-95.
- HH) REDUCE THE SPEED LIMIT TO 60 MPH ON I-95 UTILIZING WORK ZONE "VARIABLE" SPEED LIMIT USING DIGITAL SPEED LIMIT SIGNS (SEE TMP-2EE) WHEN PORTABLE CONCRETE BARRIER IS INSTALLED ON I-95.

5/4/2017 P:\2017\I-5786\TrafficControl\TCPV-5786_TC_TMP_PSH_01B.dgn User:skennedy

 TRANSPORTATION PLANNING/DESIGN - BRIDGE/STRUCTURE DESIGN CIVIL/SITE DESIGN - GIS/GPS - CONSTRUCTION OBSERVATION	1223 Jones Franklin Rd. Raleigh, N.C. 27606 License No. F-0377 Bus: 919 851 8077 Fax: 919 851 8107	DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED	APPROVED: _____ DATE: _____ 6/27/2017			<h2 style="margin: 0;">GENERAL NOTES</h2>
	Discovered by: <u>Bob A. May</u>					

GENERAL NOTES / LOCAL NOTES (CONT)

- II) COORDINATE WITH THE ENGINEER TO UTILIZE OVERHEAD/SHOULDER MOUNTED DYNAMIC MESSAGE SIGNS (DMS), IF AVAILABLE, FOR ADVANCE WARNING TO MOTORIST OF: "ROAD WORK AHEAD AT MP XXX", "LEFT/RIGHT (NUMBER) LANES CLOSED AHEAD AT MP XXX", "(ROAD NAME) EXIT XXX CLOSED USE EXIT XXX", "(ROAD NAME) EXIT XXX CLOSED FOLLOW DETOUR". INCLUDE INTERSTATE DESIGNATION IN MESSAGES IF DMS IS LOCATED ON MULTI-ROUTE INTERSTATES.

- JJ) EXISTING SHOULDER MOUNTED ROADWAY SIGNS THAT CONFLICT WITH THE DETOUR SIGNING SHALL BE COVERED AS APPROVED AND DIRECTED BY THE ENGINEER AT NO EXPENSE TO THE DEPARTMENT.

- KK) RECORD EXISTING PAVEMENT MARKINGS/MARKERS CONFIGURATION PRIOR TO CONSTRUCTION. THIS RECORD SHALL BE UTILIZED TO PLACE THE FINAL PAVEMENT MARKINGS/MARKERS.

- LL) INSTALL "NO PARKING ANY TIME TOW-AWAY ZONE" SIGN (R7-300/48"X60") ON I-95 EVERY 3,000 FT AS DIRECTED BY THE ENGINEER.

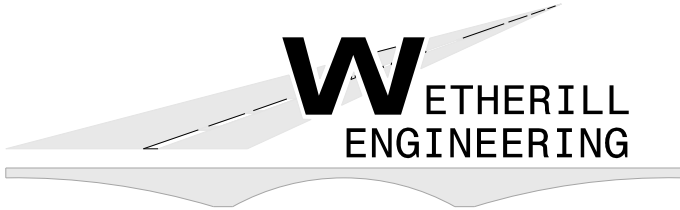
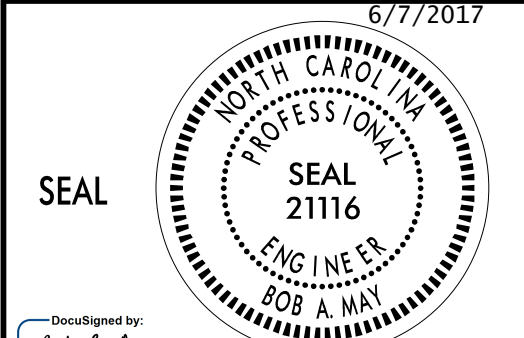

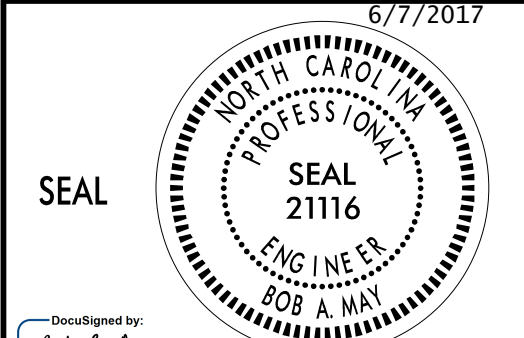

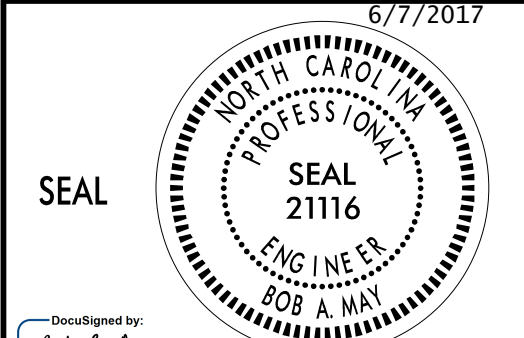

- MM) INSTALL TEMPORARY SHOULDER CLOSURE SIGNS (SEE ROADWAY STANDARD DRAWING 1101.04) WHEN PORTABLE CONCRETE BARRIER IS INSTALLED ON I-95, OR AS DIRECTED BY THE ENGINEER.

- NN) CONSTRUCT PROPOSED AND/OR TEMPORARY SHOULDER WIDENING/STRENGTHENING IN SUCH A MANNER THAT NO PONDING OF WATER WILL OCCUR WITHIN THE TRAVEL LANE.

- OO) WHERE LANE SHIFTS OCCUR ON I-95, INSTALL SHIFT SIGNS (W1-4L OR W1-4R/48"X48") 1,000 FT IN ADVANCE OF SHIFT ON BOTH SIDES OF ROADWAY.

- PP) USE "SEQUENTIAL FLASHING WARNING LIGHTS" AND "WORK ZONE PRESENCE LIGHTING" (SEE TMP-2FF) AT NIGHT WHEN UTILIZING LANE CLOSURES ON I-95.

6/7/2017
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 User: JGilsTrap

DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED						
 <p>WETHERILL ENGINEERING</p> <p>TRANSPORTATION PLANNING/DESIGN - BRIDGE/STRUCTURE DESIGN CIVIL/SITE DESIGN - GIS/GPS - CONSTRUCTION OBSERVATION</p>	1223 Jones Franklin Rd. Raleigh, N.C. 27606 License No. F-0377 Bus: 919 851 8077 Fax: 919 851 8107	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 50%; padding: 5px;"> APPROVED: _____ DATE: _____ <div style="text-align: center;">  </div> </td> <td style="width: 50%; padding: 5px;"> 6/7/2017 <div style="text-align: center;">  </div> </td> </tr> <tr> <td colspan="2" style="text-align: center; padding: 10px;">GENERAL NOTES</td> </tr> </table>	APPROVED: _____ DATE: _____ <div style="text-align: center;">  </div>	6/7/2017 <div style="text-align: center;">  </div>	GENERAL NOTES	
APPROVED: _____ DATE: _____ <div style="text-align: center;">  </div>	6/7/2017 <div style="text-align: center;">  </div>					
GENERAL NOTES						

SIGN NUMBER: name TYPE: STATIONARY QUANTITY: SEE PLANS SIGN WIDTH: 2'-0" HEIGHT: 2'-6" TOTAL AREA: 5.0 Sq.Ft. BORDER TYPE: INSET RECESS: 0.47" WIDTH: 0.63" RADII: 1.5" NO. Z BARS: LENGTH:	BACKG COLOR: Fluorescent Orange COPY COLOR: Black SYMBOL X Y WID HT MAT'L: 0.080" (2.0 mm) ALUMINUM	DESIGN BY: SLK PROJECT ID: I-5786 CHECKED BY: JWG DIVISION: 4 Mar 30, 2017
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USE NOTES: 1,2
 1. Legend and border shall be direct applied black non-reflective sheeting.
 2. Background shall be NC GRADE B fluorescent orange retroreflective sheeting.

LETTER POSITIONS

Letter locations are panel edge to lower left corner										Series/Size
										Text Length
L	i	z	z	i	e					D 2000
4.2	7.9	9.4	12.2	15.3	16.9					15.7
M	i	l	l							D 2000
7.3	12.3	14.1	15.9							9.4
R	o	a	d							D 2000
4.9	8.9	12.5	16.1							14.2

FILENAME: Guidesign6_033017 NORTH CAROLINA D.O.T. SIGN DETAIL

SIGN NUMBER: name TYPE: STATIONARY QUANTITY: SEE PLANS SIGN WIDTH: 3'-4" HEIGHT: 2'-0" TOTAL AREA: 6.7 Sq.Ft. BORDER TYPE: INSET RECESS: 0.47" WIDTH: 0.63" RADII: 1.5" NO. Z BARS: LENGTH:	BACKG COLOR: Fluorescent Orange COPY COLOR: Black SYMBOL X Y WID HT MAT'L: 0.080" (2.0 mm) ALUMINUM	DESIGN BY: SLK PROJECT ID: I-5786 CHECKED BY: JWG DIVISION: 4 Apr 20, 2017
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USE NOTES: 1,2
 1. Legend and border shall be direct applied black non-reflective sheeting.
 2. Background shall be NC GRADE B fluorescent orange retroreflective sheeting.

LETTER POSITIONS

Letter locations are panel edge to lower left corner										Series/Size
										Text Length
P	I	T	T	M	A	N				D 2000
4.4	9.4	11.2	15.3	19.9	25.5	31.5				31.2
R	O	A	D							D 2000
10	14.9	20	26							20.1

FILENAME: Guidesign6_033017 NORTH CAROLINA D.O.T. SIGN DETAIL

SIGN NUMBER: name TYPE: STATIONARY QUANTITY: SEE PLANS SIGN WIDTH: 4'-0" HEIGHT: 1'-8" TOTAL AREA: 6.7 Sq.Ft. BORDER TYPE: INSET RECESS: 0.47" WIDTH: 0.63" RADII: 1.5" NO. Z BARS: LENGTH:	BACKG COLOR: Fluorescent Orange COPY COLOR: Black SYMBOL X Y WID HT MAT'L: 0.080" (2.0 mm) ALUMINUM	DESIGN BY: SLK PROJECT ID: I-5786 CHECKED BY: JWG DIVISION: 4 Mar 30, 2017
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USE NOTES: 1,2
 1. Legend and border shall be direct applied black non-reflective sheeting.
 2. Background shall be NC GRADE B fluorescent orange retroreflective sheeting.

LETTER POSITIONS

Letter locations are panel edge to lower left corner										Series/Size			
										Text Length			
B	i	z	z	e	l	l	G	r	o	v	e	D 2000	
4.2	8.3	9.8	12.6	15.5	19.2	21	21.8	26.8	31.2	33.5	36.9	40.9	39.7
C	h	u	r	c	h		R	o	a	d			D 2000
4.2	8.6	12.4	16.4	18.7	22.3	25.2	30.2	34.2	37.8	41.4			40.2

FILENAME: Guidesign6_033017 NORTH CAROLINA D.O.T. SIGN DETAIL

SIGN NUMBER: name TYPE: STATIONARY QUANTITY: SEE PLANS SIGN WIDTH: 2'-6" HEIGHT: 2'-6" TOTAL AREA: 6.3 Sq.Ft. BORDER TYPE: INSET RECESS: 0.47" WIDTH: 0.63" RADII: 1.5" NO. Z BARS: LENGTH:	BACKG COLOR: Fluorescent Orange COPY COLOR: Black SYMBOL X Y WID HT MAT'L: 0.080" (2.0 mm) ALUMINUM	DESIGN BY: SLK PROJECT ID: I-5786 CHECKED BY: JWG DIVISION: 4 Apr 20, 2017
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USE NOTES: 1,2
 1. Legend and border shall be direct applied black non-reflective sheeting.
 2. Background shall be NC GRADE B fluorescent orange retroreflective sheeting.

LETTER POSITIONS

Letter locations are panel edge to lower left corner										Series/Size
										Text Length
B	e	r	t	i	e					D 2000
6.6	10.6	14.2	16.3	18.8	20.4					16.8
H	e	i	g	h	t	s				D 2000
4.2	8.5	12.2	13.8	17.8	21.2	23.5				21.6
R	o	a	d							D 2000
7.9	11.9	15.5	19.1							14.2

FILENAME: Guidesign6_033017 NORTH CAROLINA D.O.T. SIGN DETAIL

5/4/2017
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 User:skennedy

DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED			SPECIAL SIGN DESIGN(S)
APPROVED:	DATE: 6/5/2017		
		1223 Jones Franklin Rd. Raleigh, N.C. 27606 License No. F-0377 Bus: 919 851 8077 Fax: 919 851 8107	
TRANSPORTATION PLANNING/DESIGN - BRIDGE/STRUCTURE DESIGN CIVIL/SITE DESIGN - GIS/GPS - CONSTRUCTION OBSERVATION			

SIGN NUMBER: name TYPE: STATIONARY QUANTITY: SEE PLANS SIGN WIDTH: 3'-8" HEIGHT: 1'-8" TOTAL AREA: 6.1 Sq.Ft. BORDER TYPE: INSET RECESS: 0.47" WIDTH: 0.63" RADII: 1.5" NO. Z BARS: LENGTH:	BACKG COLOR: Fluorescent Orange COPY COLOR: Black SYMBOL X Y WID HT MAT'L: 0.080" (2.0 mm) ALUMINUM	DESIGN BY: SLK PROJECT ID: I-5786 CHECKED BY: JWG DIVISION: 4 Apr 20, 2017
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USE NOTES: 1,2

- Legend and border shall be direct applied black non-reflective sheeting.
- Background shall be NC GRADE B fluorescent orange retroreflective sheeting.

Letter locations are panel edge to lower left corner													Series/Size
L	i	t	t	l	e	C	r	e	e	k			Text Length
3.9	7.6	9	11.1	13.6	15.2	18.2	23.2	27.6	29.9	33.3	37	D 2000	
												36.3	
F	a	r	m	R	o	a	d					D 2000	
5.1	8.6	12.4	14.9	19.8	24.8	28.8	32.4	36				33.9	

FILENAME: Guidesign6_033017 NORTH CAROLINA D.O.T. SIGN DETAIL

SIGN NUMBER: name TYPE: STATIONARY QUANTITY: SEE PLANS SIGN WIDTH: 3'-0" HEIGHT: 2'-6" TOTAL AREA: 7.5 Sq.Ft. BORDER TYPE: INSET RECESS: 0.47" WIDTH: 0.63" RADII: 1.5" NO. Z BARS: LENGTH:	BACKG COLOR: Fluorescent Orange COPY COLOR: Black SYMBOL X Y WID HT MAT'L: 0.080" (2.0 mm) ALUMINUM	DESIGN BY: SLK PROJECT ID: I-5786 CHECKED BY: JWG DIVISION: 4 Apr 20, 2017
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USE NOTES: 1,2

- Legend and border shall be direct applied black non-reflective sheeting.
- Background shall be NC GRADE B fluorescent orange retroreflective sheeting.

Letter locations are panel edge to lower left corner													Series/Size
S	t	.											Text Length
14.6	18.3	20.5											D 2000
													6.9
S	t	e	p	h	e	n	s						D 2000
4.6	8.3	10.7	14.3	18.1	21.8	25.5	29.1						26.8
R	o	a	d										D 2000
10.9	14.9	18.5	22.1										14.2

FILENAME: Guidesign6_033017 NORTH CAROLINA D.O.T. SIGN DETAIL

SIGN NUMBER: name TYPE: STATIONARY QUANTITY: SEE PLANS SIGN WIDTH: 2'-0" HEIGHT: 1'-8" TOTAL AREA: 3.3 Sq.Ft. BORDER TYPE: INSET RECESS: 0.47" WIDTH: 0.63" RADII: 1.5" NO. Z BARS: LENGTH:	BACKG COLOR: Fluorescent Orange COPY COLOR: Black SYMBOL X Y WID HT MAT'L: 0.080" (2.0 mm) ALUMINUM	DESIGN BY: SLK PROJECT ID: I-5786 CHECKED BY: JWG DIVISION: 4 Apr 20, 2017
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USE NOTES: 1,2

- Legend and border shall be direct applied black non-reflective sheeting.
- Background shall be NC GRADE B fluorescent orange retroreflective sheeting.

Letter locations are panel edge to lower left corner													Series/Size
B	a	t	t	e	n								Text Length
3	6.9	10.2	12.3	14.7	18.3								D 2000
													18.3
R	o	a	d										D 2000
5	9	12.8	16.2										14.2

FILENAME: Guidesign6_033017 NORTH CAROLINA D.O.T. SIGN DETAIL

SIGN NUMBER: name TYPE: STATIONARY QUANTITY: SEE PLANS SIGN WIDTH: 2'-6" HEIGHT: 2'-0" TOTAL AREA: 5.0 Sq.Ft. BORDER TYPE: INSET RECESS: 0.47" WIDTH: 0.63" RADII: 1.5" NO. Z BARS: LENGTH:	BACKG COLOR: Fluorescent Orange COPY COLOR: Black SYMBOL X Y WID HT MAT'L: 0.080" (2.0 mm) ALUMINUM	DESIGN BY: SLK PROJECT ID: I-5786 CHECKED BY: JWG DIVISION: 4 Apr 20, 2017
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USE NOTES: 1,2

- Legend and border shall be direct applied black non-reflective sheeting.
- Background shall be NC GRADE B fluorescent orange retroreflective sheeting.

Letter locations are panel edge to lower left corner													Series/Size
M	I	C	R	O									Text Length
3.5	9.6	11.9	17.3	22.3									D 2000
													23
R	o	A	D										D 2000
5	9.9	15	21										20.1

FILENAME: Guidesign6_033017 NORTH CAROLINA D.O.T. SIGN DETAIL

5/4/2017
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 User:skennedy

WETHERILL ENGINEERING TRANSPORTATION PLANNING/DESIGN - BRIDGE/STRUCTURE DESIGN CIVIL/SITE DESIGN - GIS/GPS - CONSTRUCTION OBSERVATION	1223 Jones Franklin Rd. Raleigh, N.C. 27606 License No. F-0377 Bus: 919 851 8077 Fax: 919 851 8107	APPROVED: _____ DATE: _____ 6/5/2017	DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED			SPECIAL SIGN DESIGN(S)
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SIGN NUMBER: name TYPE: STATIONARY QUANTITY: SEE PLANS SIGN WIDTH: 3'-4" HEIGHT: 2'-0" TOTAL AREA: 6.7 Sq.Ft. BORDER TYPE: INSET RECESS: 0.47" WIDTH: 0.63" RADII: 1.5" NO. Z BARS: LENGTH:	BACKG COLOR: Fluorescent Orange COPY COLOR: Black SYMBOl X Y WID HT MAT'L: 0.080" (2.0 mm) ALUMINUM	DESIGN BY: SLK PROJECT ID: I-5786 CHECKED BY: JWG DIVISION: 4 Apr 20, 2017
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Spacing Factor is 1 unless specified otherwise

Letter locations are panel edge to lower left corner							Series/Size
B	A	G	L	E	Y		Text Length
5.1	9.7	15.5	20.9	25.6	29.8		D 2000 29.8
R	O	A	D				D 2000 20.1
10	14.9	20	26				

FILENAME: Guidesign6_033017 NORTH CAROLINA D.O.T. SIGN DETAIL

SIGN NUMBER: name TYPE: STATIONARY QUANTITY: SEE PLANS SIGN WIDTH: 3'-0" HEIGHT: 3'-0" TOTAL AREA: 9.0 Sq.Ft. BORDER TYPE: INSET RECESS: 0.47" WIDTH: 0.63" RADII: 1.5" NO. Z BARS: LENGTH:	BACKG COLOR: Fluorescent Orange COPY COLOR: Black SYMBOl X Y WID HT MAT'L: 0.080" (2.0 mm) ALUMINUM	DESIGN BY: SLK PROJECT ID: I-5786 CHECKED BY: JWG DIVISION: 4 Apr 20, 2017
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Spacing Factor is 1 unless specified otherwise

Letter locations are panel edge to lower left corner							Series/Size
T	R	U	C	K			Text Length
5.6	10.3	15.4	20.8	26.2			D 2000 24.7
S	T	O	P				D 2000 18.7
8.6	13.2	17.7	23.3				
R	O	A	D				D 2000 20.1
7.3	12.2	17.3	23.3				

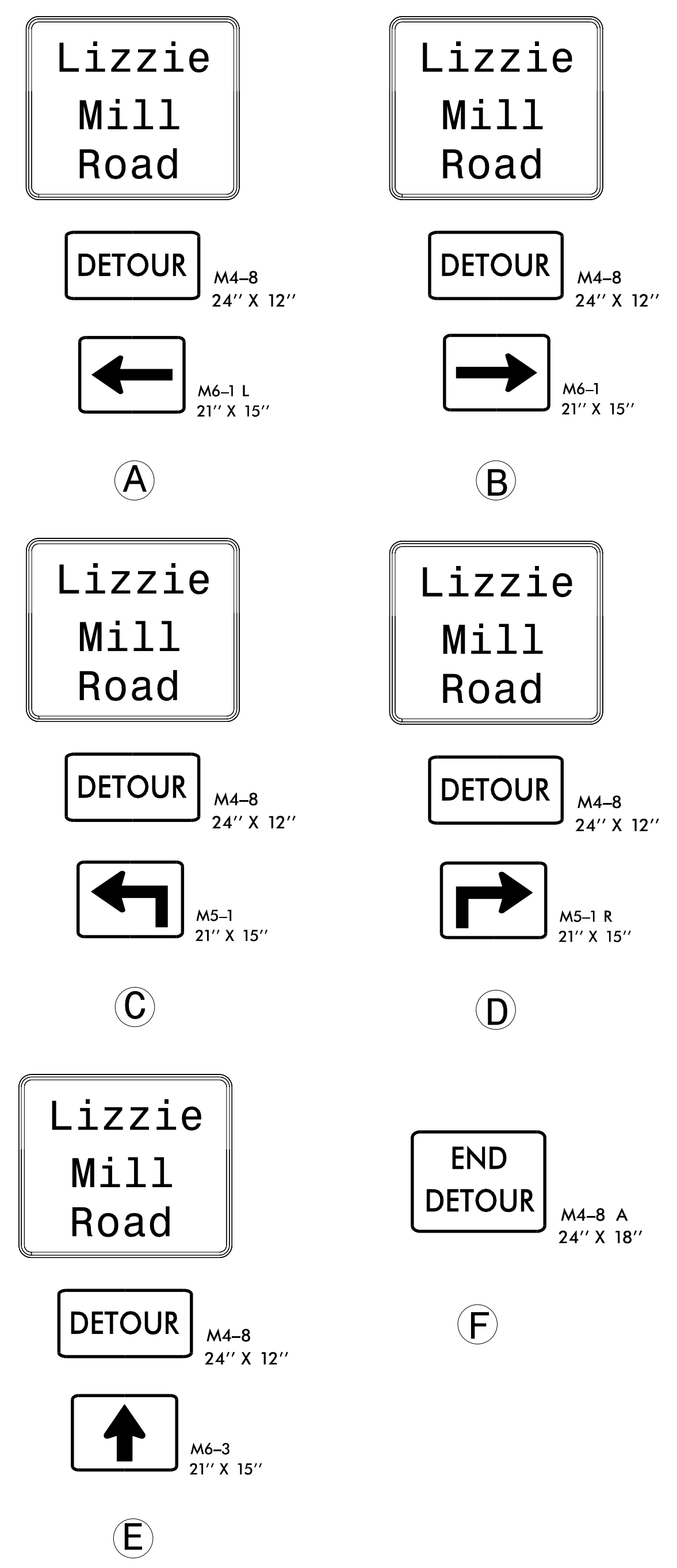
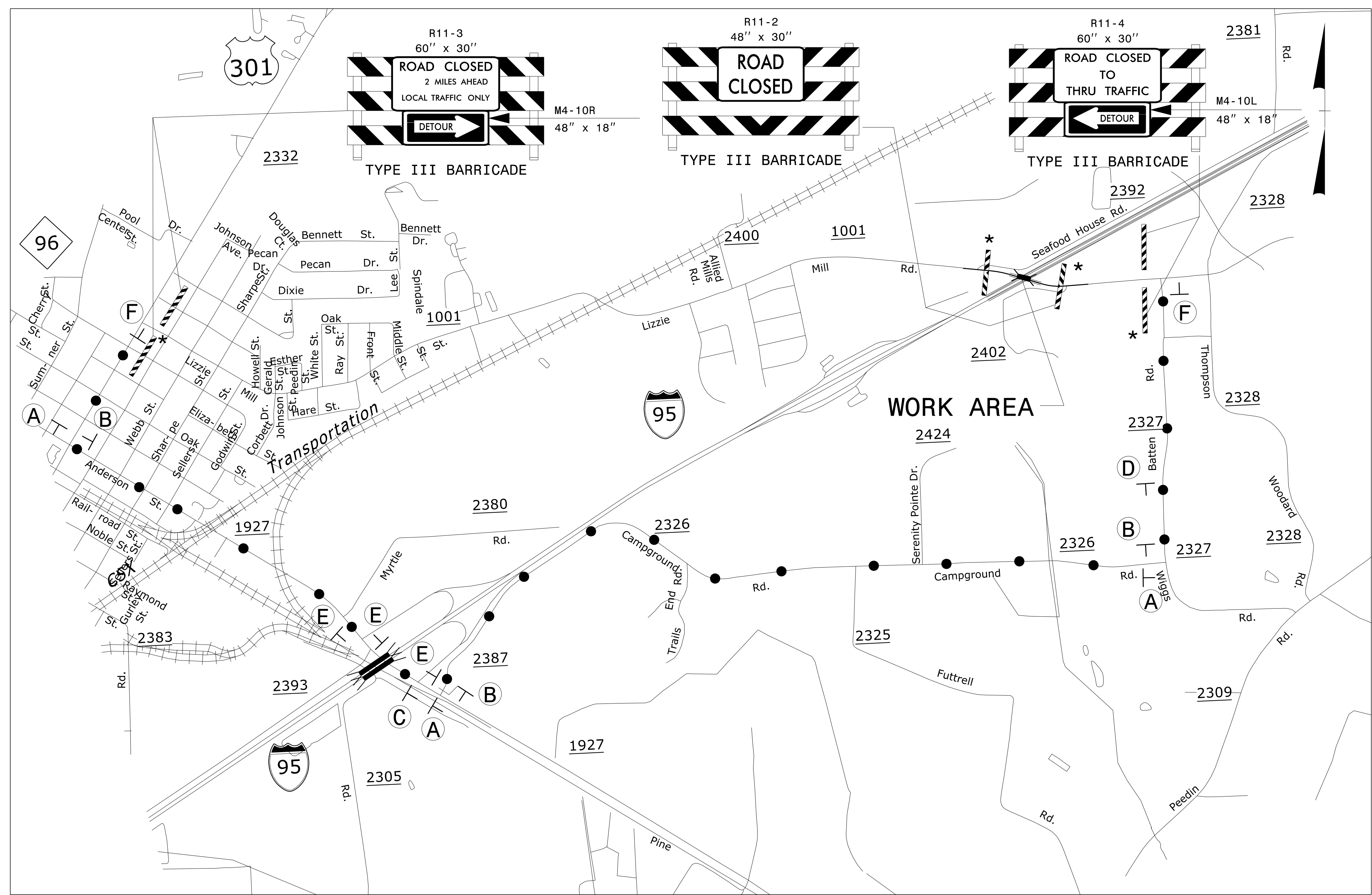
FILENAME: Guidesign6_033017 NORTH CAROLINA D.O.T. SIGN DETAIL

5/4/2017
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 User: skenedy

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**OFF-SITE DETOUR WHEN LIZZIE MILL RD.
IS CLOSED FOR BRIDGE CONSTRUCTION.**

DETOUR SIGNING



NOTES: SEE TMP-2 FOR "LIZZIE MILL ROAD" SPECIAL SIGN DESIGN.
 ALL DETOUR SIGN LOCATIONS ARE APPROXIMATE.
 * SEE RSD 1101.03, SHEET 1 OF 9, FOR TYPE III BARRICADE LOCATION WITH ATTACHED SIGNING & ADDITIONAL SIGNING FOR ROAD CLOSURE.



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TRANSPORTATION PLANNING/DESIGN - BRIDGE/STRUCTURE DESIGN
 CIVIL/SITE DESIGN - GIS/GPS - CONSTRUCTION OBSERVATION

APPROVED: _____ DATE: _____

6/5/2017

SEAL

PROFESSIONAL ENGINEER
 SEAL 21116
 BOB A. MAJORS

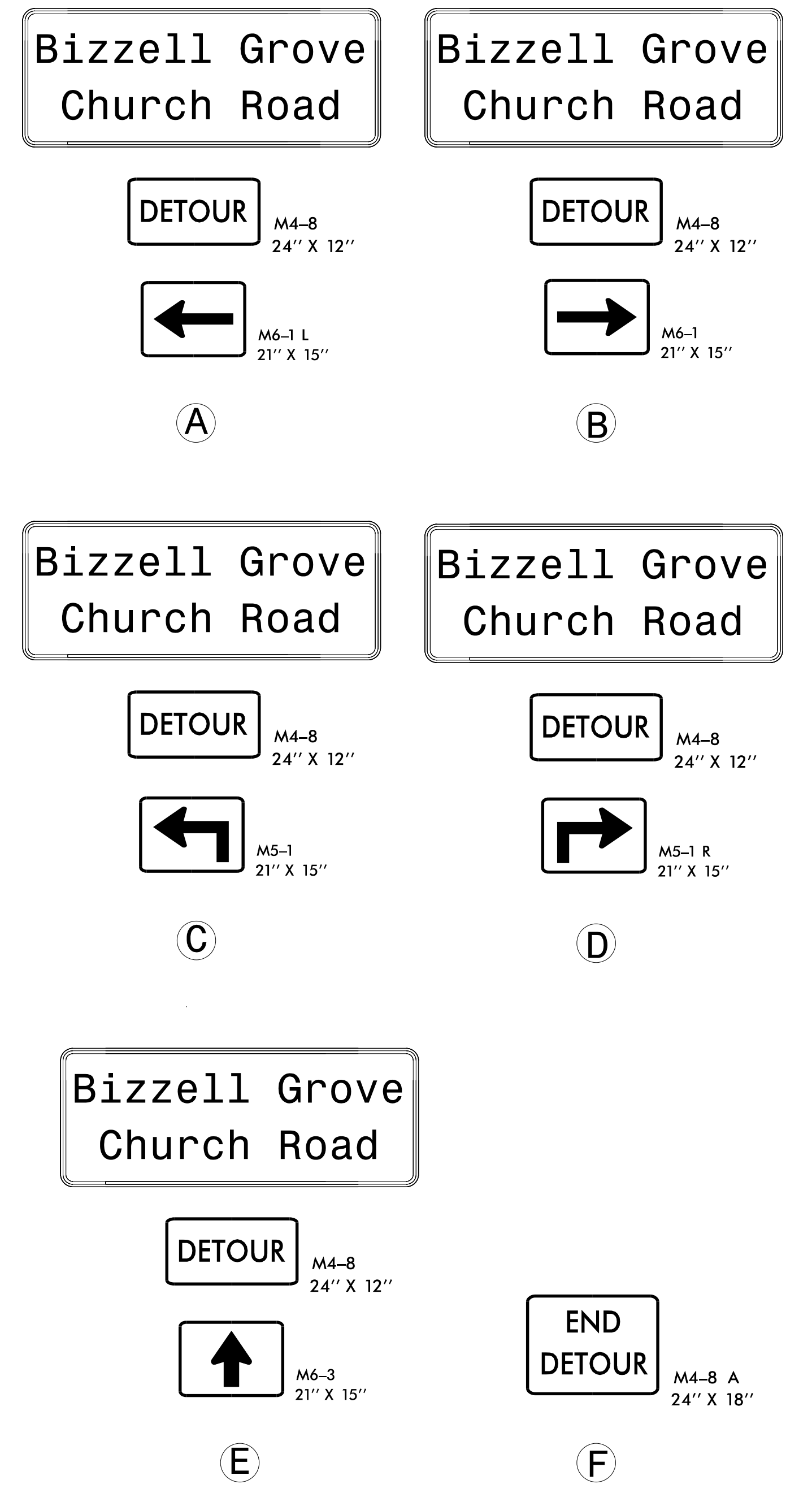
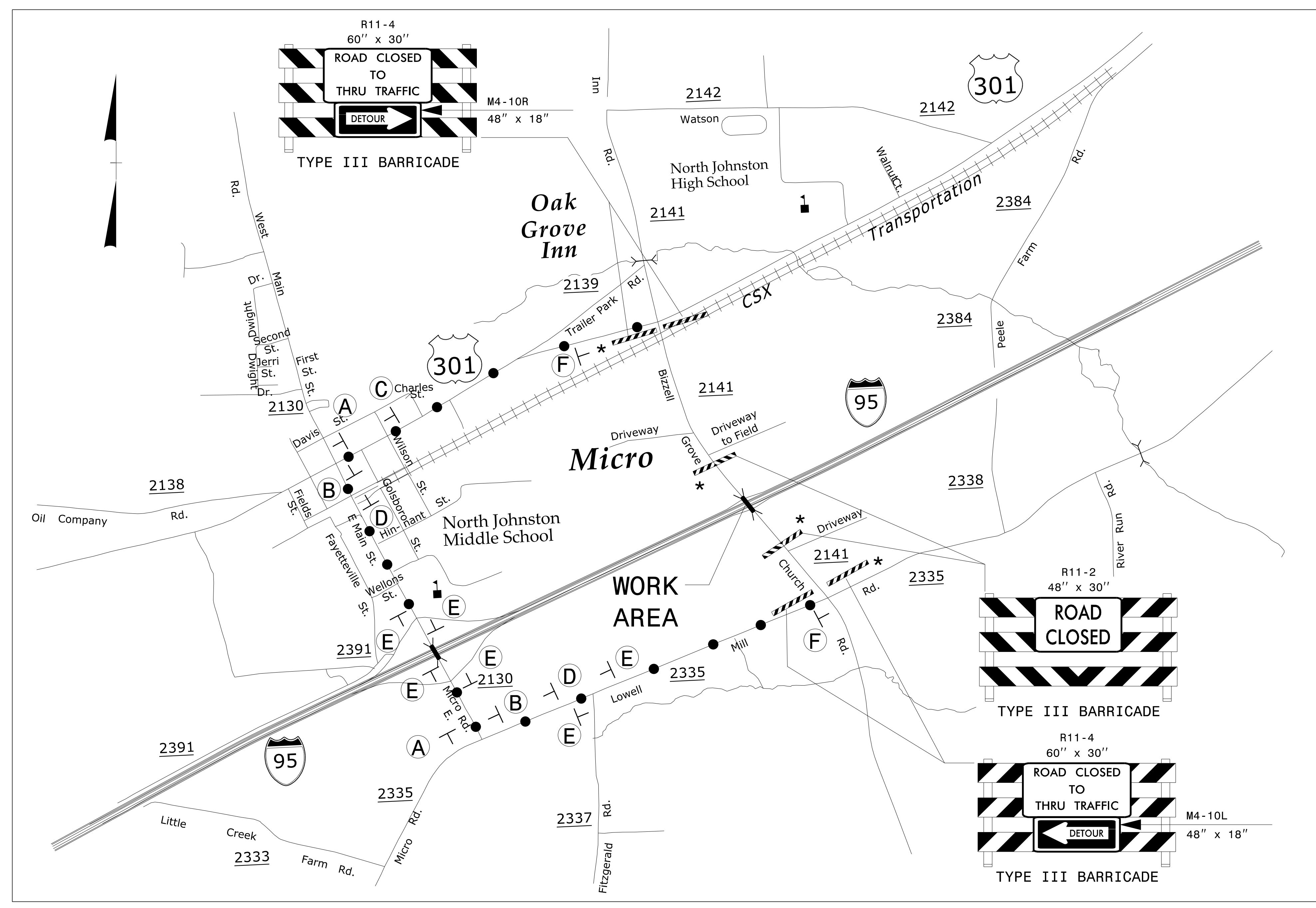
DIVISION OF HIGHWAYS
 STATE OF NORTH CAROLINA
 DEPARTMENT OF TRANSPORTATION
 WORK ZONE TRAFFIC CONTROL

**DETOUR
LIZZIE MILL RD.
SR 1001 (-Y1-)**

5/8/2017 P:\2017\I-5786\TrafficControl\TCPV\I-5786_TC_TMP_PSH_02C.dgn User:skennedy

OFF-SITE DETOUR WHEN BIZZELL GROVE CHURCH RD. IS CLOSED FOR BRIDGE CONSTRUCTION.

DETOUR SIGNING



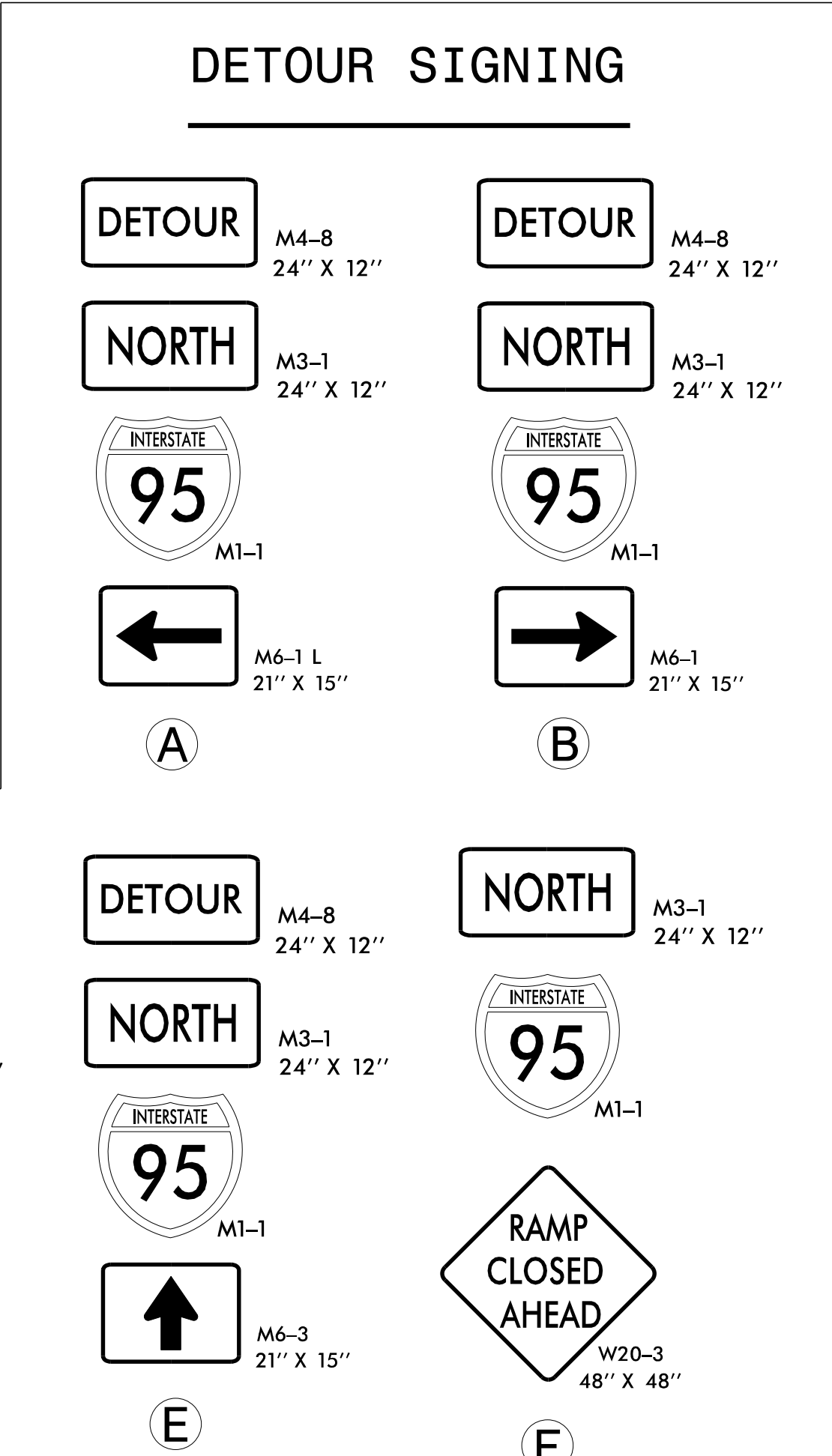
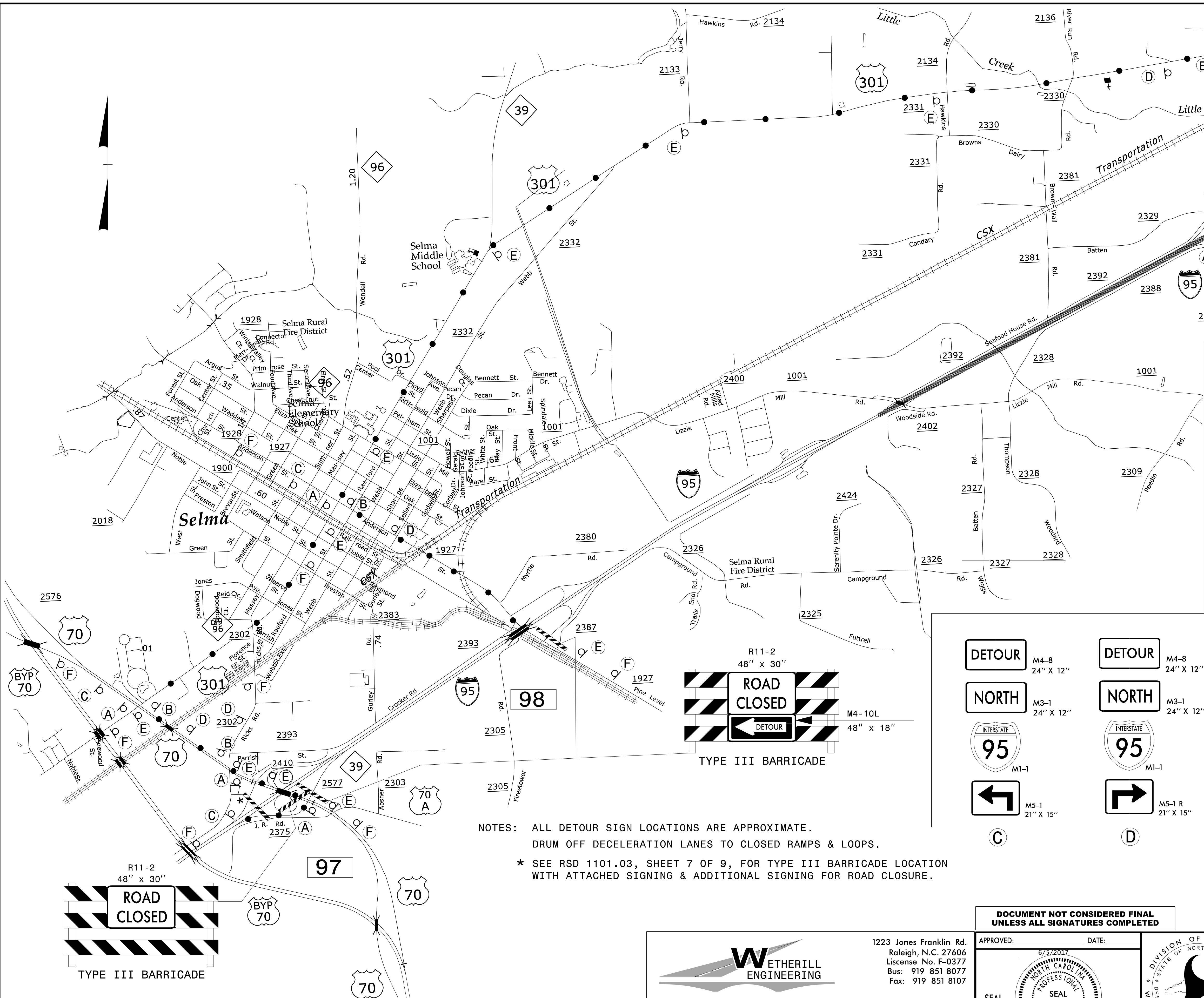
NOTES: SEE TMP-2 FOR "BIZZELL GROVE CHURCH ROAD" SPECIAL SIGN DESIGN.
ALL DETOUR SIGN LOCATIONS ARE APPROXIMATE.
* SEE RSD 1101.03, SHEET 1 OF 9, FOR TYPE III BARRICADE LOCATION WITH ATTACHED SIGNING & ADDITIONAL SIGNING FOR ROAD CLOSURE.



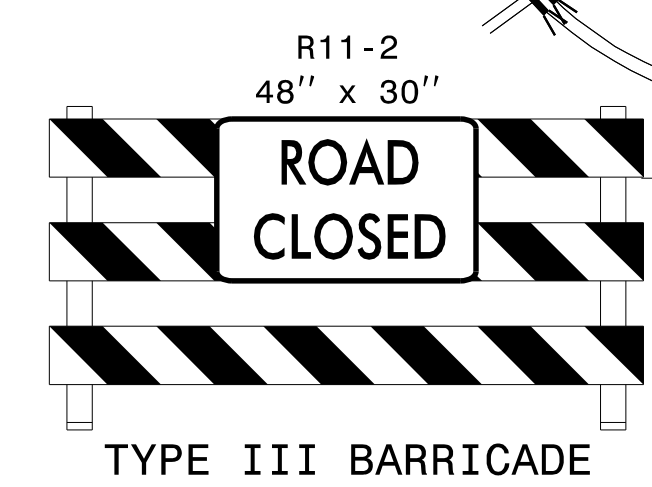
**DOCUMENT NOT CONSIDERED FINAL
UNLESS ALL SIGNATURES COMPLETED**

 1223 Jones Franklin Rd. Raleigh, N.C. 27606 License No. F-0377 Bus: 919 851 8077 Fax: 919 851 8107	APPROVED: _____ DATE: _____ 6/5/2017		DETOUR BIZZELL GROVE CHURCH RD. SR 2141 (-Y4-)
	SEAL 		

5/8/2017
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 User:rskenedy



NOTES: ALL DETOUR SIGN LOCATIONS ARE APPROXIMATE.
 DRUM OFF DECELERATION LANES TO CLOSED RAMPS & LOOPS.
 * SEE RSD 1101.03, SHEET 7 OF 9, FOR TYPE III BARRICADE LOCATION WITH ATTACHED SIGNING & ADDITIONAL SIGNING FOR ROAD CLOSURE.



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WETHERILL ENGINEERING

TRANSPORTATION PLANNING/DESIGN - BRIDGE/STRUCTURE DESIGN
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 License No. F-0377
 Bus: 919 851 8077
 Fax: 919 851 8107

APPROVED: _____ DATE: _____

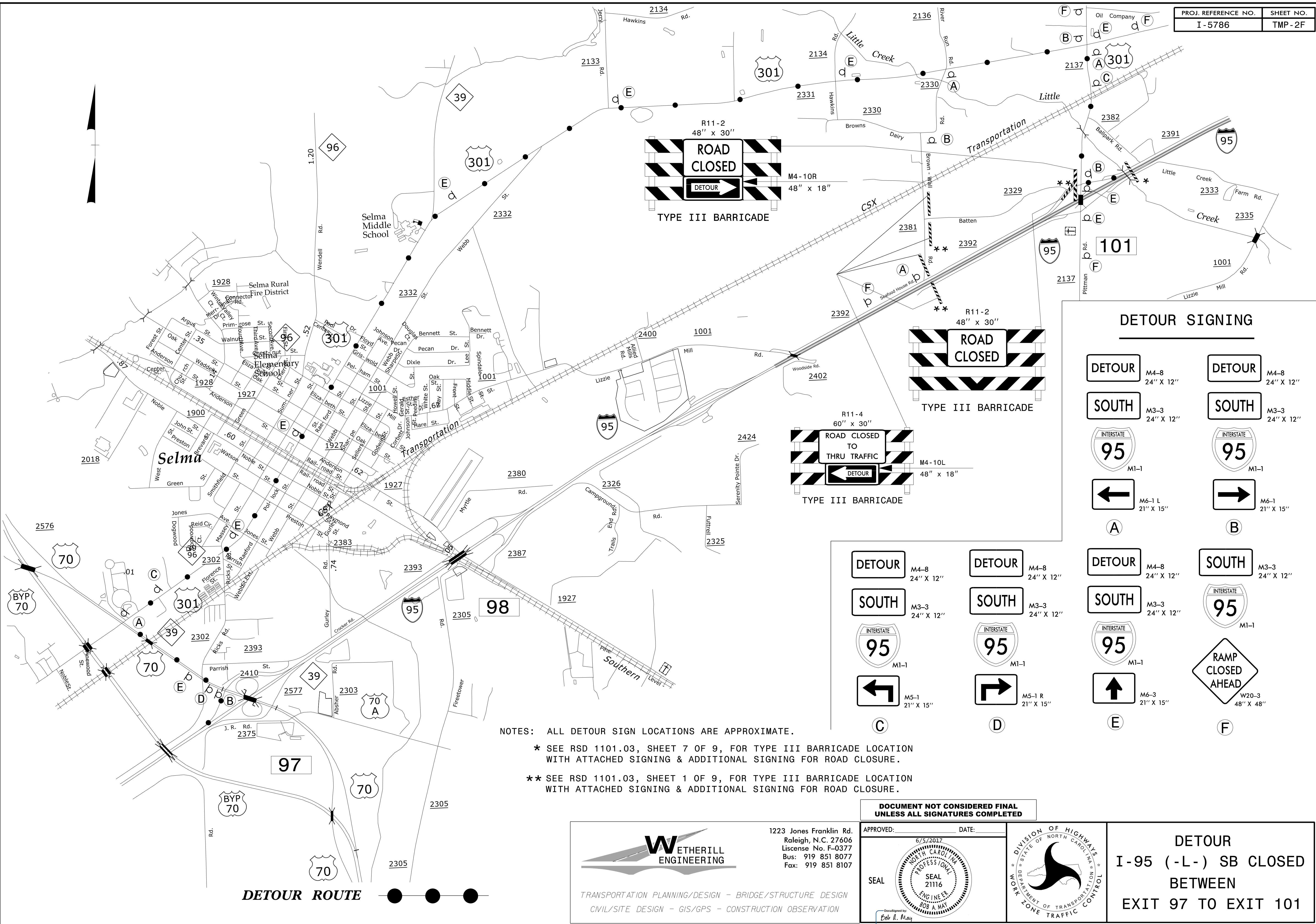
6/5/2017

SEAL

PROFESSIONAL ENGINEER
 SEAL 21116
 BOB A. MAY

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

DETOUR
I-95 (-L-) NB CLOSED
BETWEEN
EXIT 97 TO EXIT 101



NOTES: ALL DETOUR SIGN LOCATIONS ARE APPROXIMATE.
 * SEE RSD 1101.03, SHEET 7 OF 9, FOR TYPE III BARRICADE LOCATION WITH ATTACHED SIGNING & ADDITIONAL SIGNING FOR ROAD CLOSURE.
 ** SEE RSD 1101.03, SHEET 1 OF 9, FOR TYPE III BARRICADE LOCATION WITH ATTACHED SIGNING & ADDITIONAL SIGNING FOR ROAD CLOSURE.

**DOCUMENT NOT CONSIDERED FINAL
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WETHERILL ENGINEERING
 TRANSPORTATION PLANNING/DESIGN - BRIDGE/STRUCTURE DESIGN
 CIVIL/SITE DESIGN - GIS/GPS - CONSTRUCTION OBSERVATION

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APPROVED: _____ DATE: _____

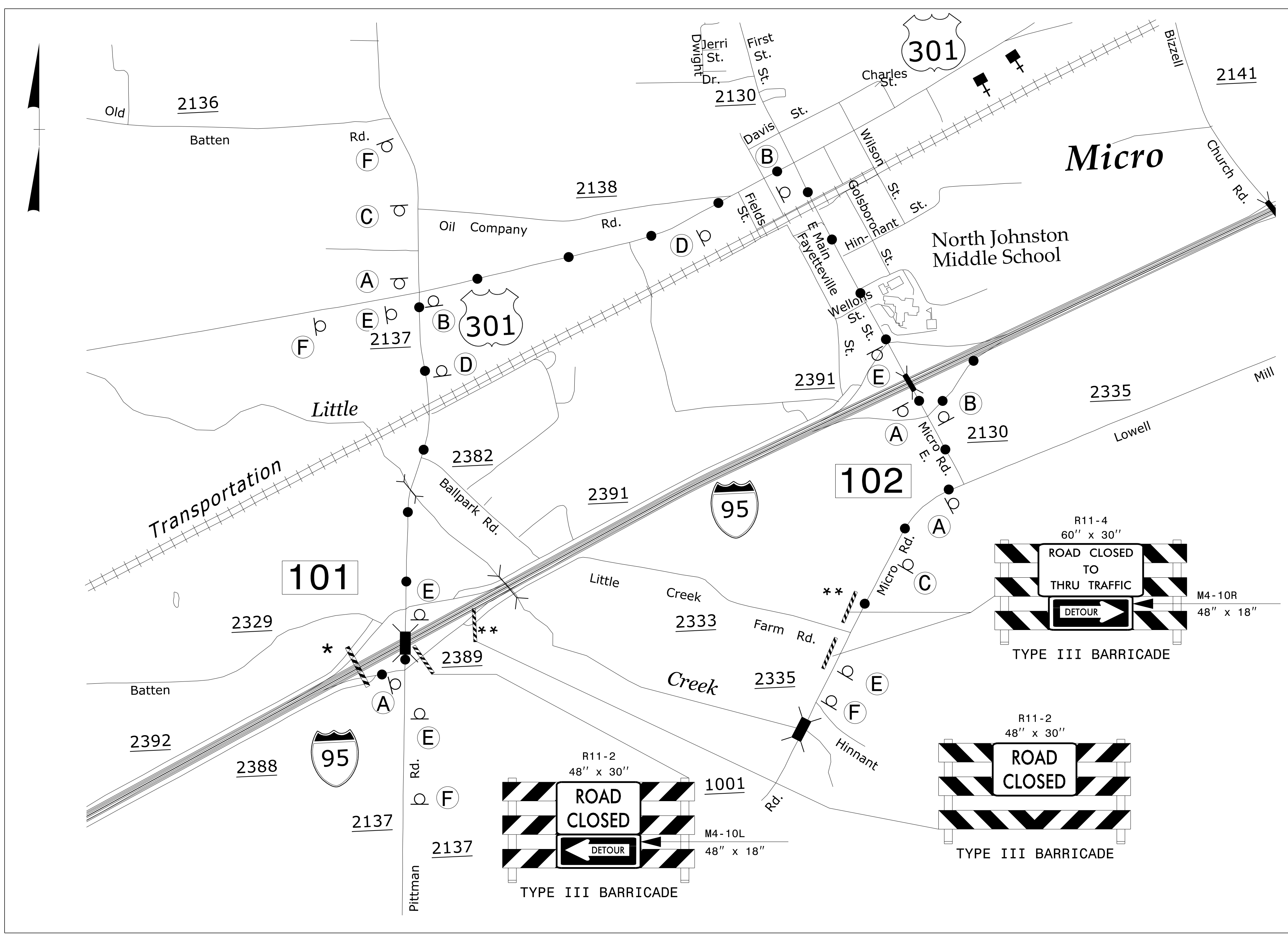
6/5/2017

SEAL

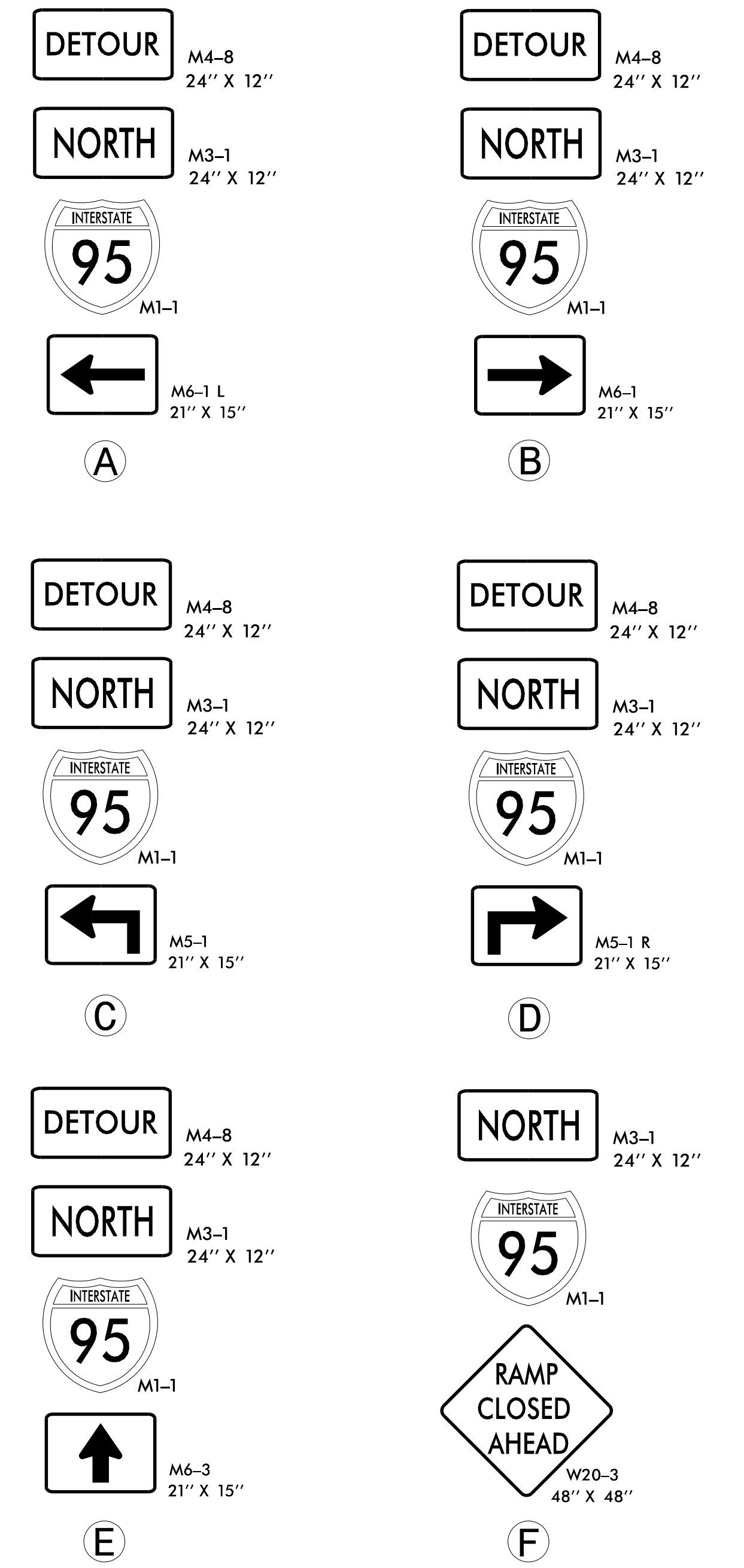
PROFESSIONAL ENGINEER
 SEAL 21116
 BOB A. MAY

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

DETOUR
I-95 (-L-) SB CLOSED
BETWEEN
EXIT 97 TO EXIT 101



DETOUR SIGNING



NOTES: ALL DETOUR SIGN LOCATIONS ARE APPROXIMATE.
 * SEE RSD 1101.03, SHEET 7 OF 9, FOR TYPE III BARRICADE LOCATION WITH ATTACHED SIGNING & ADDITIONAL SIGNING FOR ROAD CLOSURE.
 ** SEE RSD 1101.03, SHEET 1 OF 9, FOR TYPE III BARRICADE LOCATION WITH ATTACHED SIGNING & ADDITIONAL SIGNING FOR ROAD CLOSURE.



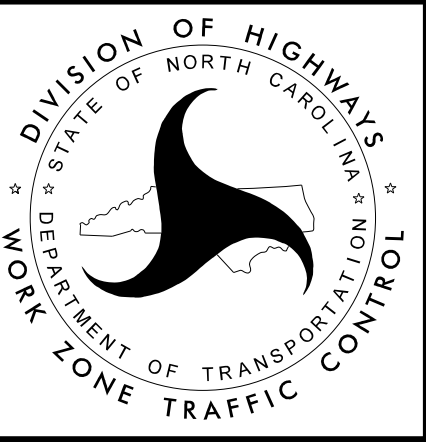
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 Raleigh, N.C. 27606
 License No. F-0377
 Bus: 919 851 8077
 Fax: 919 851 8107

TRANSPORTATION PLANNING/DESIGN - BRIDGE/STRUCTURE DESIGN
 CIVIL/SITE DESIGN - GIS/GPS - CONSTRUCTION OBSERVATION

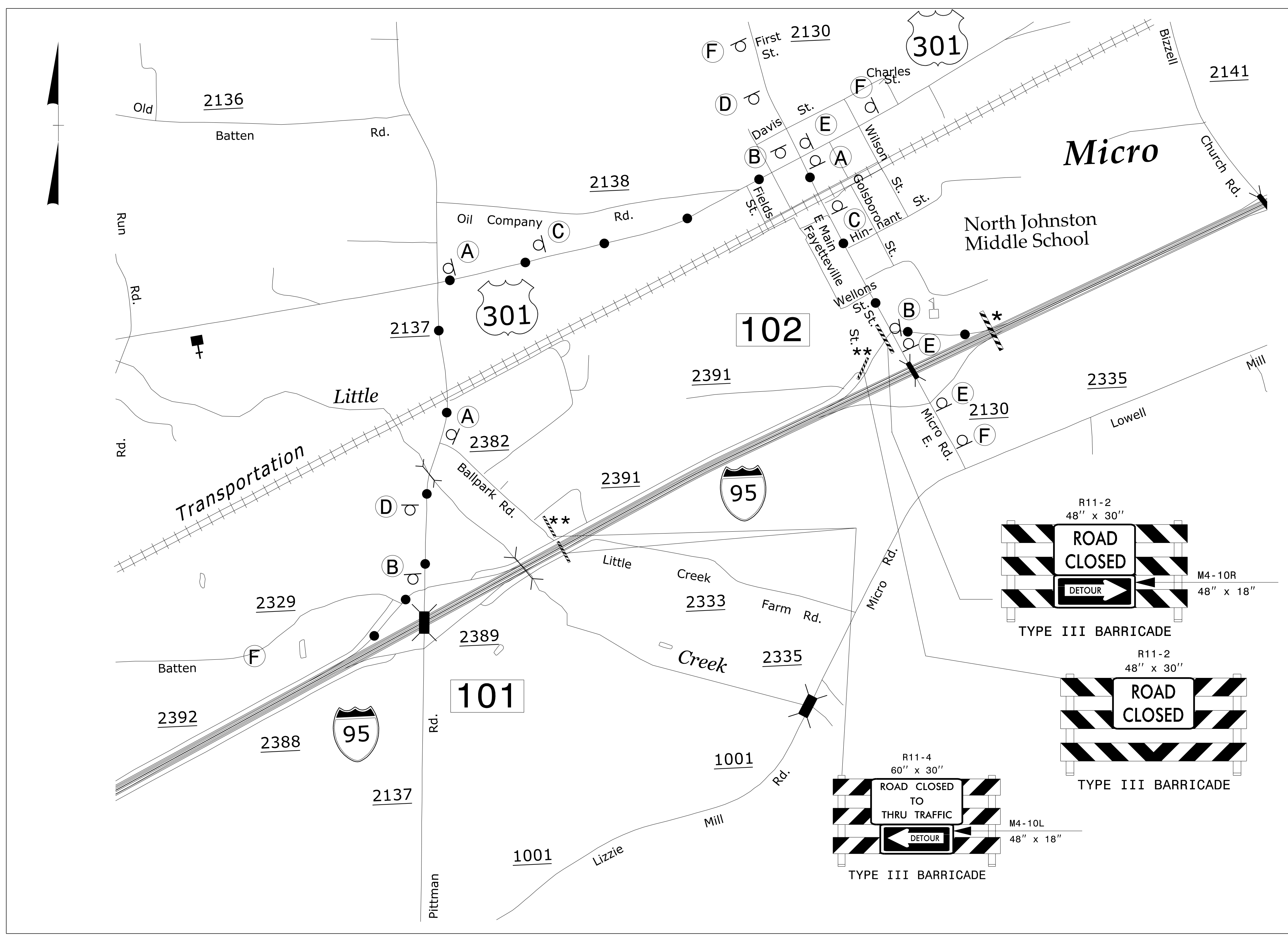
**DOCUMENT NOT CONSIDERED FINAL
 UNLESS ALL SIGNATURES COMPLETED**

APPROVED: _____ DATE: _____
 6/5/2017
 SEAL

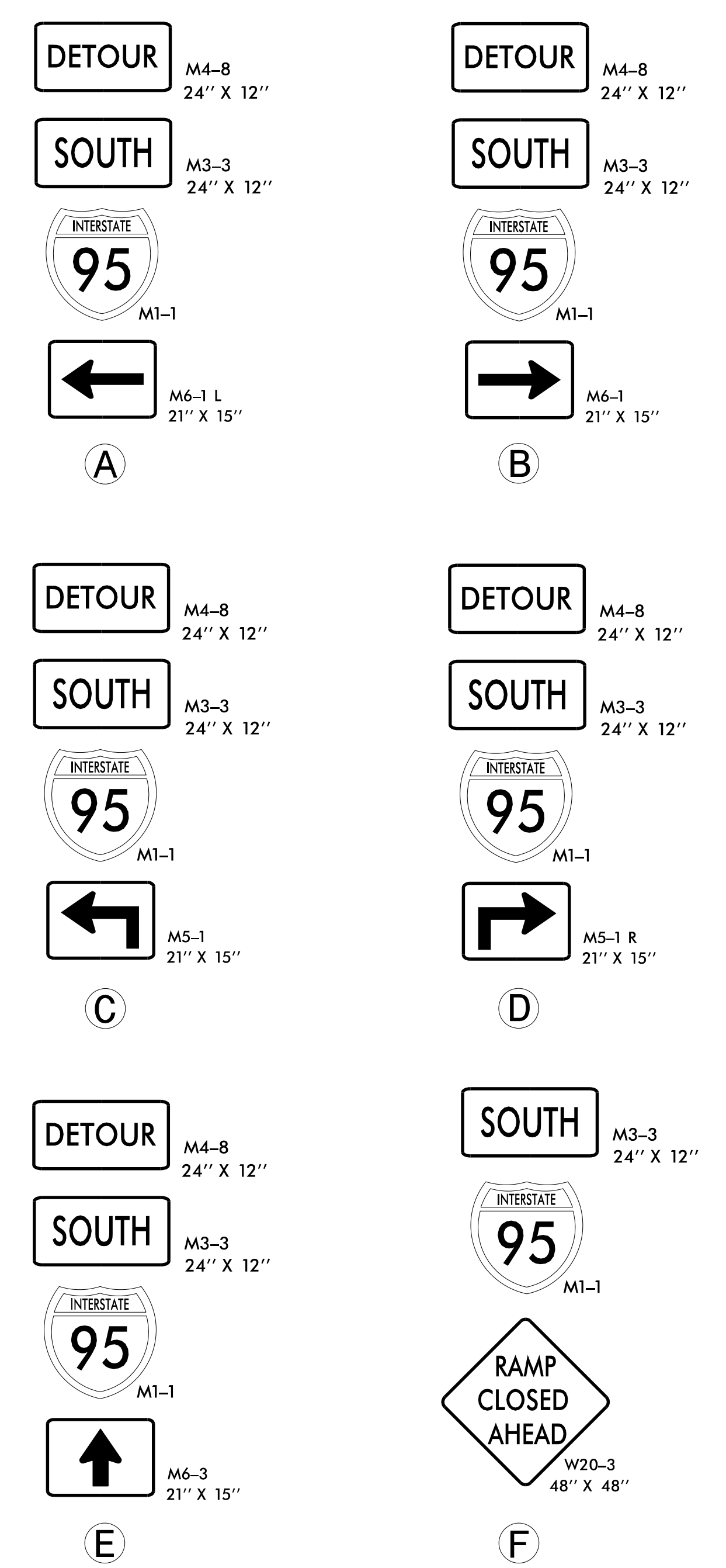
 Bob A. May



DETOUR
I-95 (-L-) NB CLOSED
BETWEEN
EXIT 101 TO EXIT 102



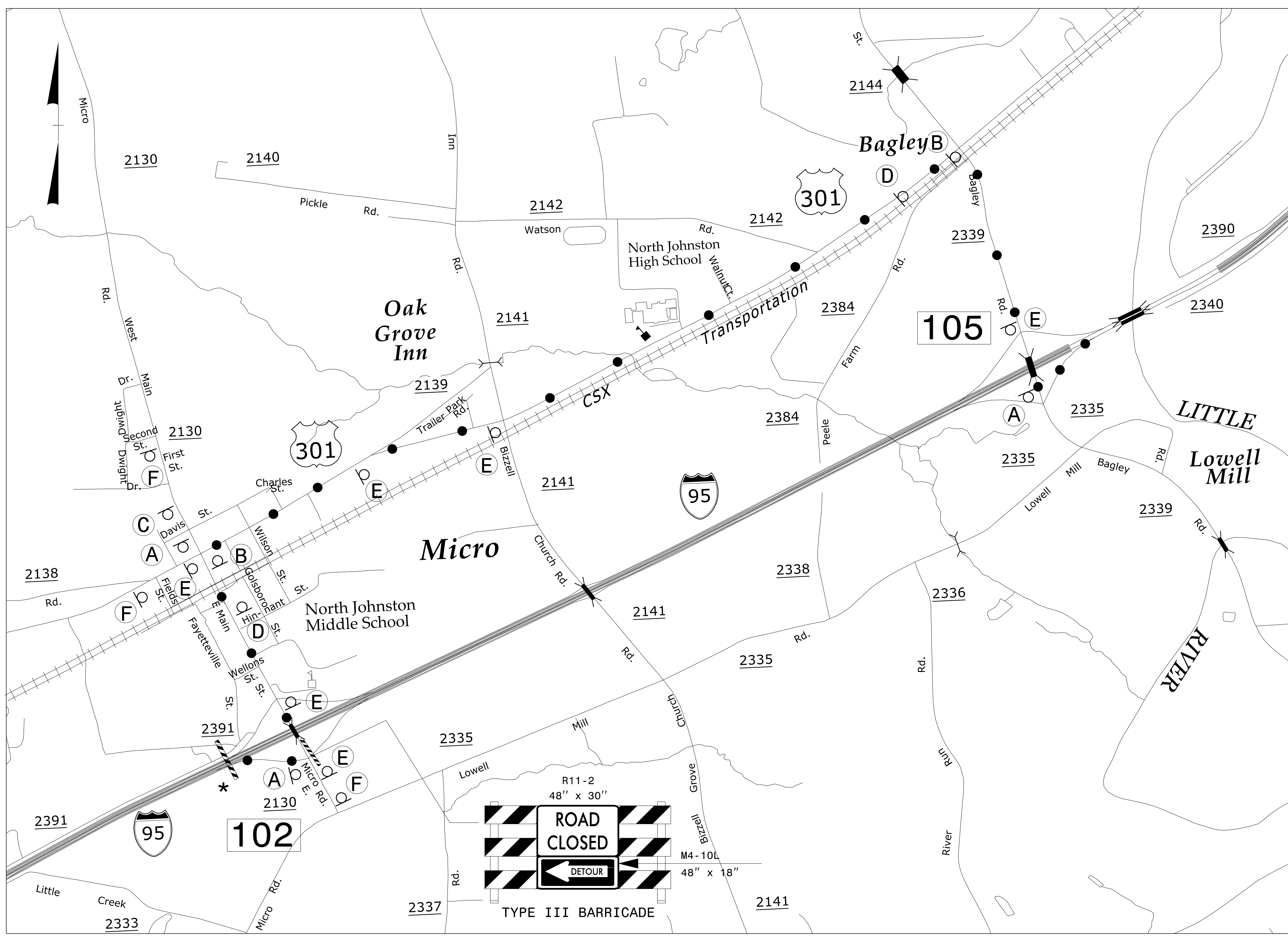
DETOUR SIGNING



NOTES: ALL DETOUR SIGN LOCATIONS ARE APPROXIMATE.
 * SEE RSD 1101.03, SHEET 7 OF 9, FOR TYPE III BARRICADE LOCATION WITH ATTACHED SIGNING & ADDITIONAL SIGNING FOR ROAD CLOSURE.
 ** SEE RSD 1101.03, SHEET 1 OF 9, FOR TYPE III BARRICADE LOCATION WITH ATTACHED SIGNING & ADDITIONAL SIGNING FOR ROAD CLOSURE.



 WETHERILL ENGINEERING TRANSPORTATION PLANNING/DESIGN - BRIDGE/STRUCTURE DESIGN CIVIL/SITE DESIGN - GIS/GPS - CONSTRUCTION OBSERVATION	1223 Jones Franklin Rd. Raleigh, N.C. 27606 License No. F-0377 Bus: 919 851 8077 Fax: 919 851 8107	DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED APPROVED: _____ DATE: _____ 6/5/2017 SEAL 	 DIVISION OF HIGHWAYS STATE OF NORTH CAROLINA DEPARTMENT OF TRANSPORTATION WORK ZONE TRAFFIC CONTROL	DETOUR I-95 (-L-) SB CLOSED BETWEEN EXIT 101 TO EXIT 102
	Bob A. May			



DETOUR SIGNING

A	B
C	D
	F
E	

NOTES: ALL DETOUR SIGN LOCATIONS ARE APPROXIMATE.
 * SEE RSD 1101.03, SHEET 7 OF 9, FOR TYPE III BARRICADE LOCATION WITH ATTACHED SIGNING & ADDITIONAL SIGNING FOR ROAD CLOSURE.

DETOUR ROUTE ● — ● — ●

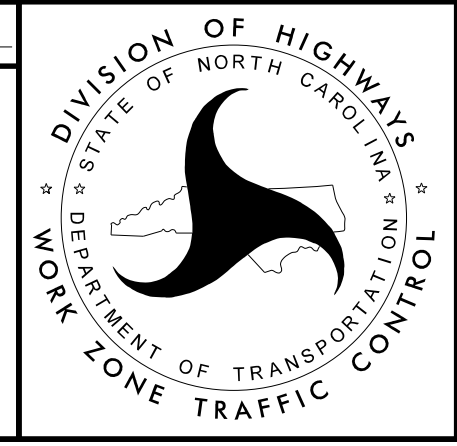


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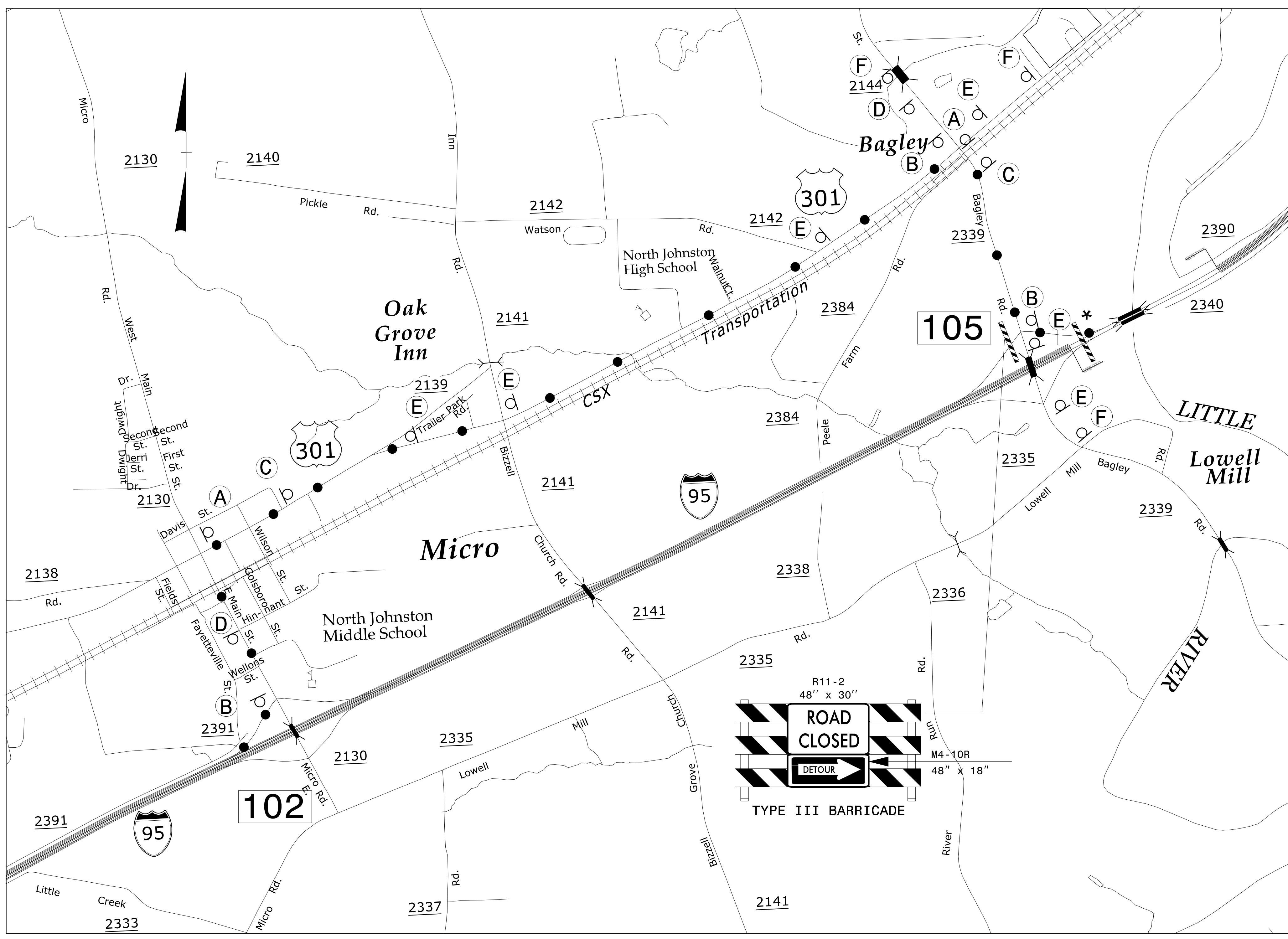
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 UNLESS ALL SIGNATURES COMPLETED**

APPROVED: _____ DATE: 6/5/2017

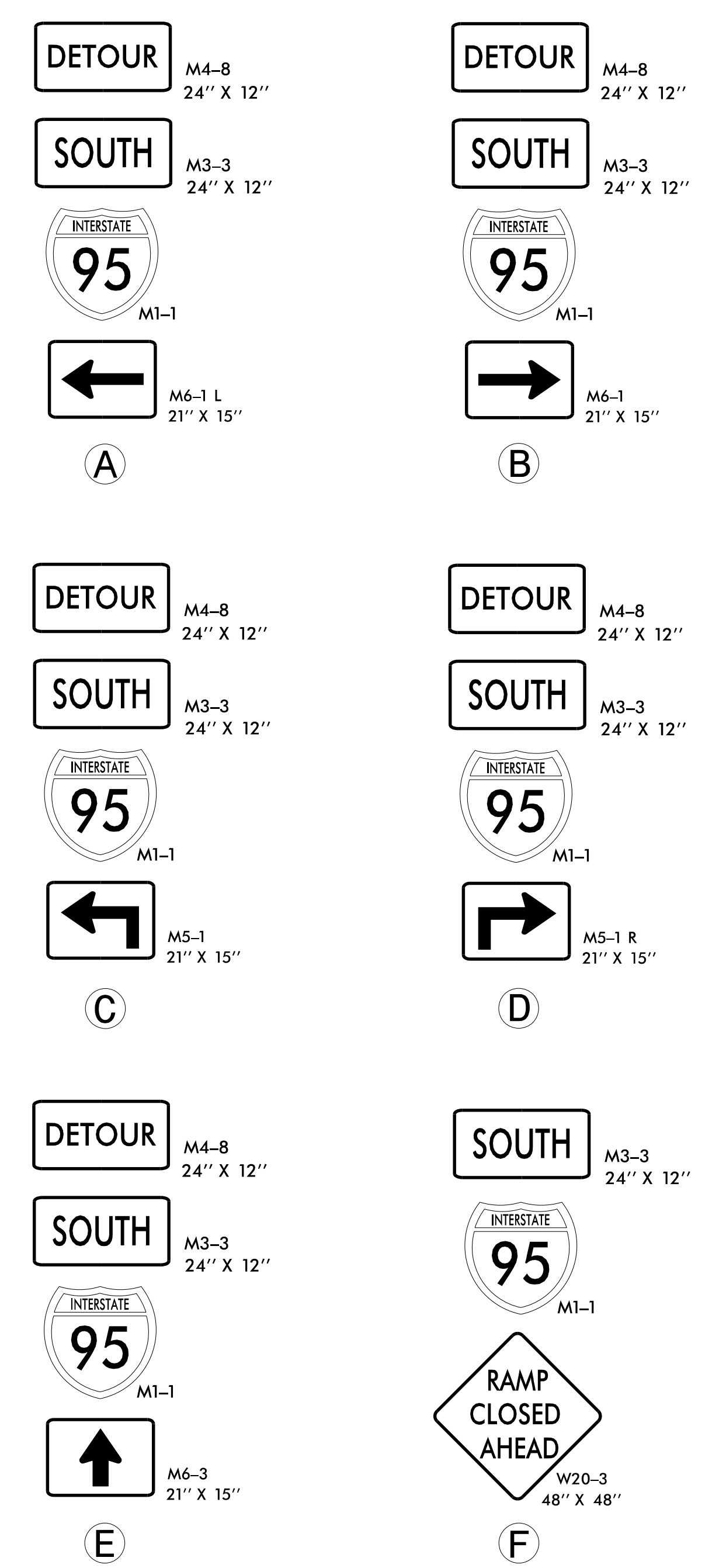
SEAL



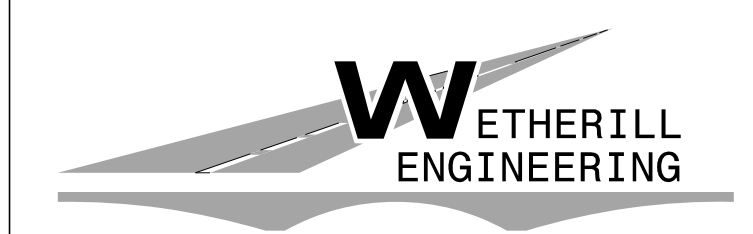
DETOUR
I-95 (-L-) NB CLOSED
BETWEEN
EXIT 102 TO EXIT 105



DETOUR SIGNING



NOTES: ALL DETOUR SIGN LOCATIONS ARE APPROXIMATE.
 * SEE RSD 1101.03, SHEET 7 OF 9, FOR TYPE III BARRICADE LOCATION WITH ATTACHED SIGNING & ADDITIONAL SIGNING FOR ROAD CLOSURE.



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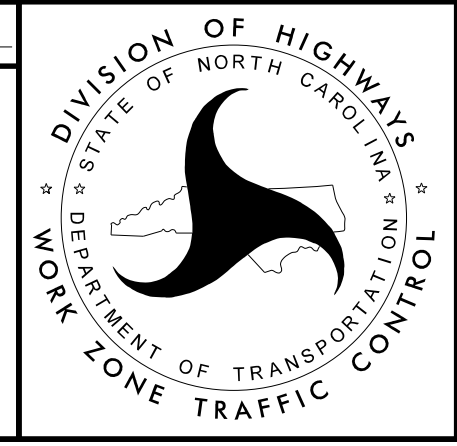
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 UNLESS ALL SIGNATURES COMPLETED**

APPROVED: _____ DATE: _____

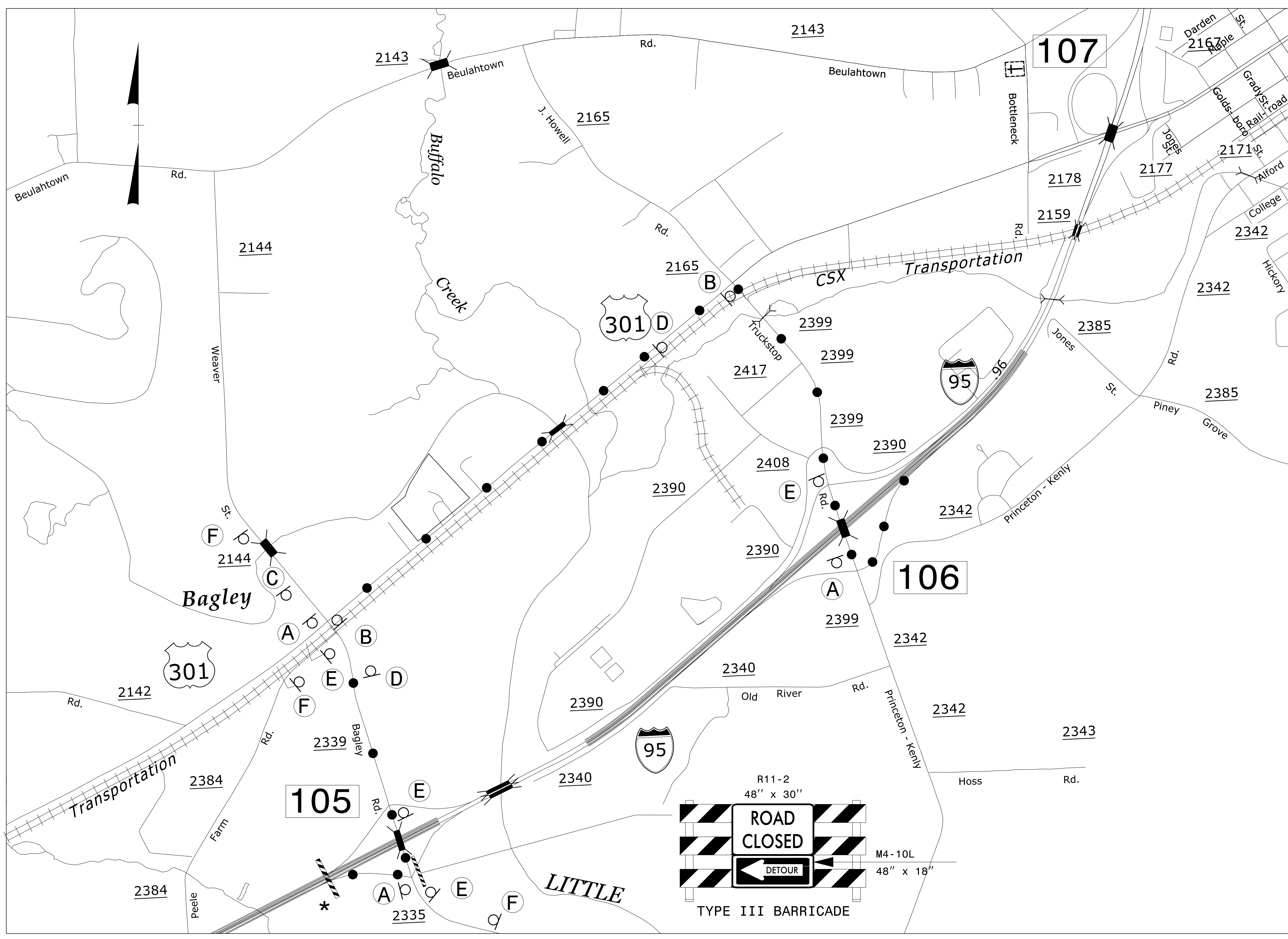
6/5/2017

SEAL

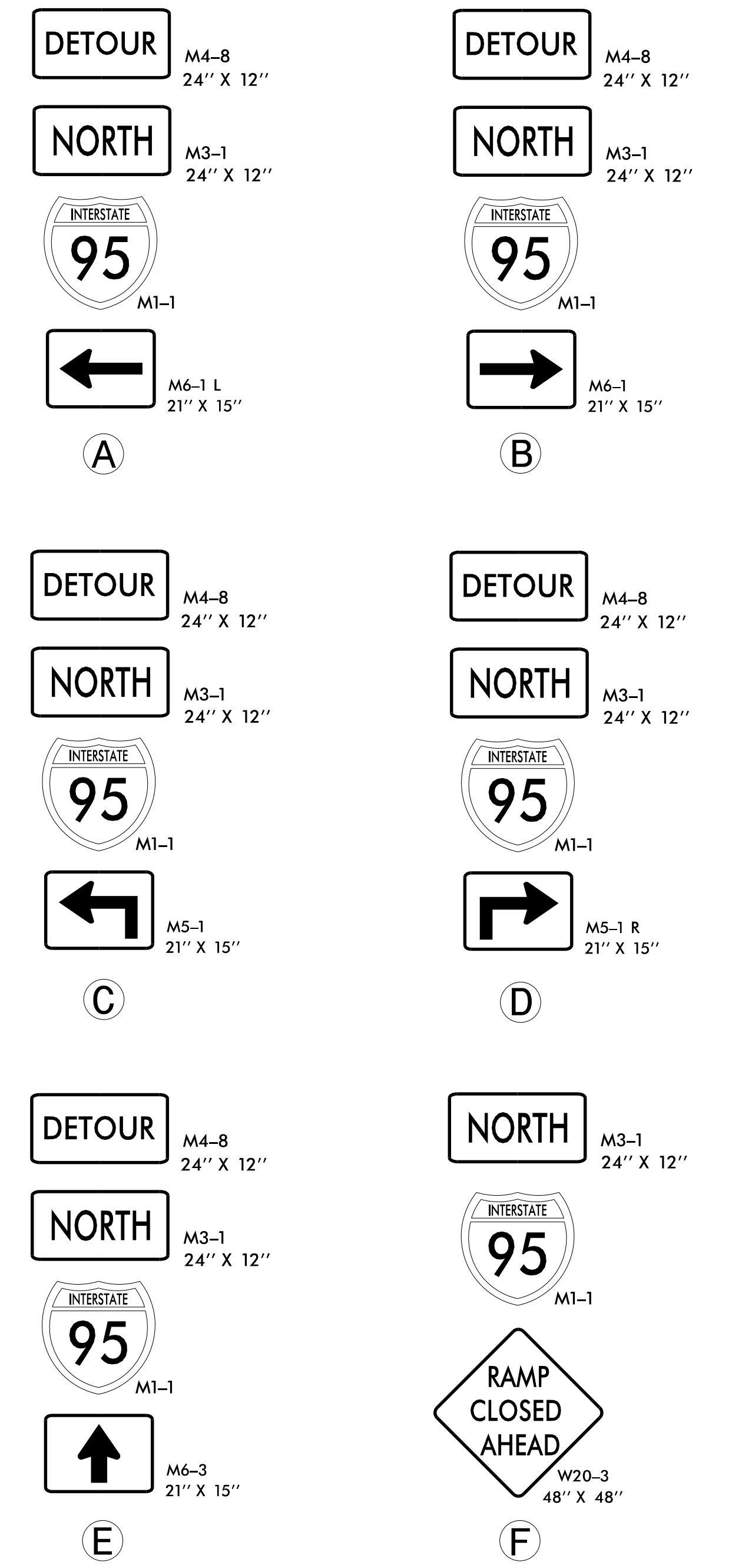
PROFESSIONAL ENGINEER
 SEAL 21116
 BOB A. MARY



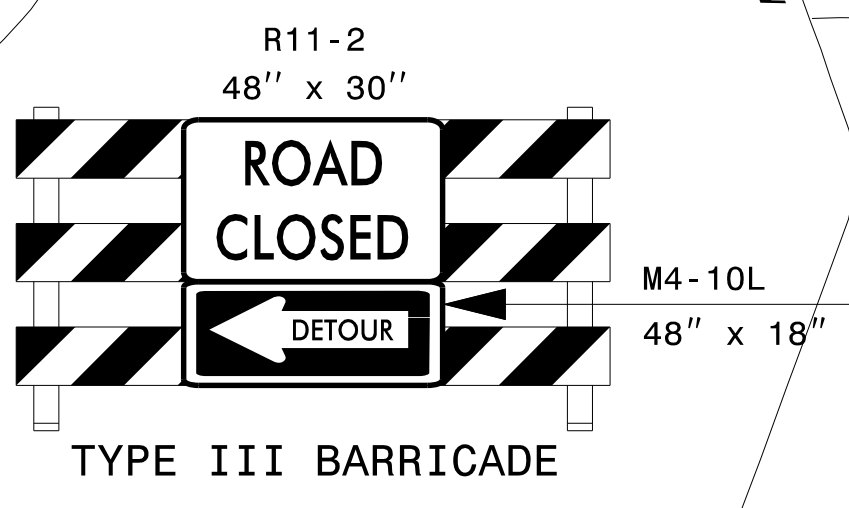
DETOUR
I-95 (-L-) SB CLOSED
BETWEEN
EXIT 102 TO EXIT 105



DETOUR SIGNING



NOTES: ALL DETOUR SIGN LOCATIONS ARE APPROXIMATE.
 * SEE RSD 1101.03, SHEET 7 OF 9, FOR TYPE III BARRICADE LOCATION WITH ATTACHED SIGNING & ADDITIONAL SIGNING FOR ROAD CLOSURE.



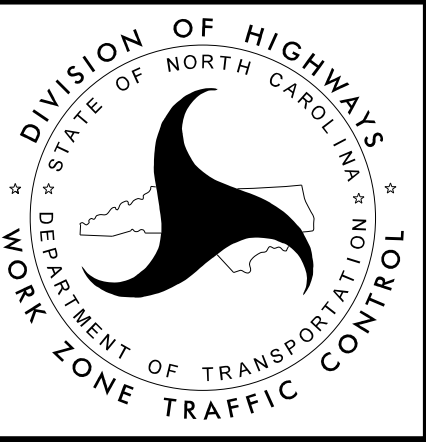
**DOCUMENT NOT CONSIDERED FINAL
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 TRANSPORTATION PLANNING/DESIGN - BRIDGE/STRUCTURE DESIGN
 CIVIL/SITE DESIGN - GIS/GPS - CONSTRUCTION OBSERVATION

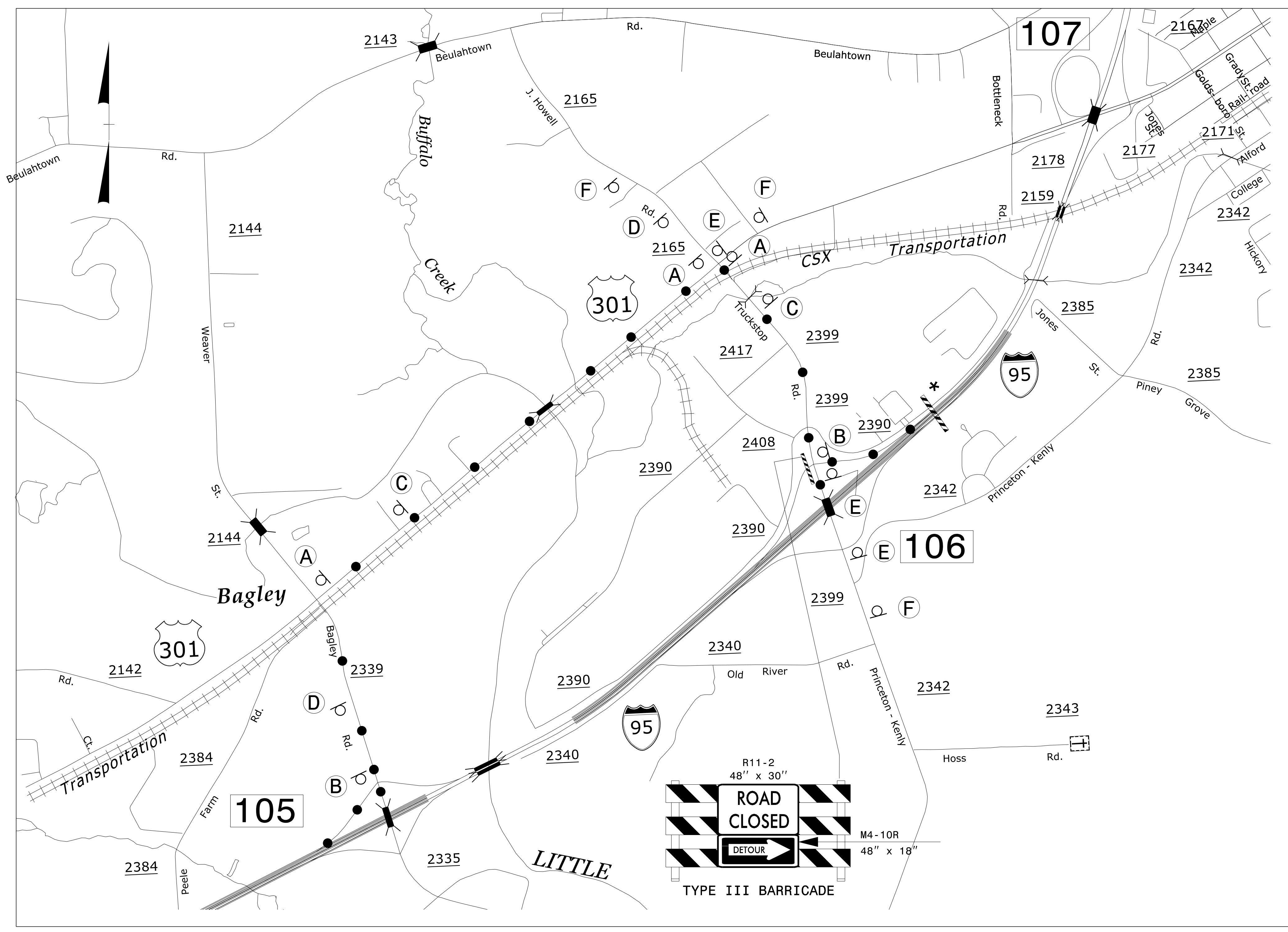
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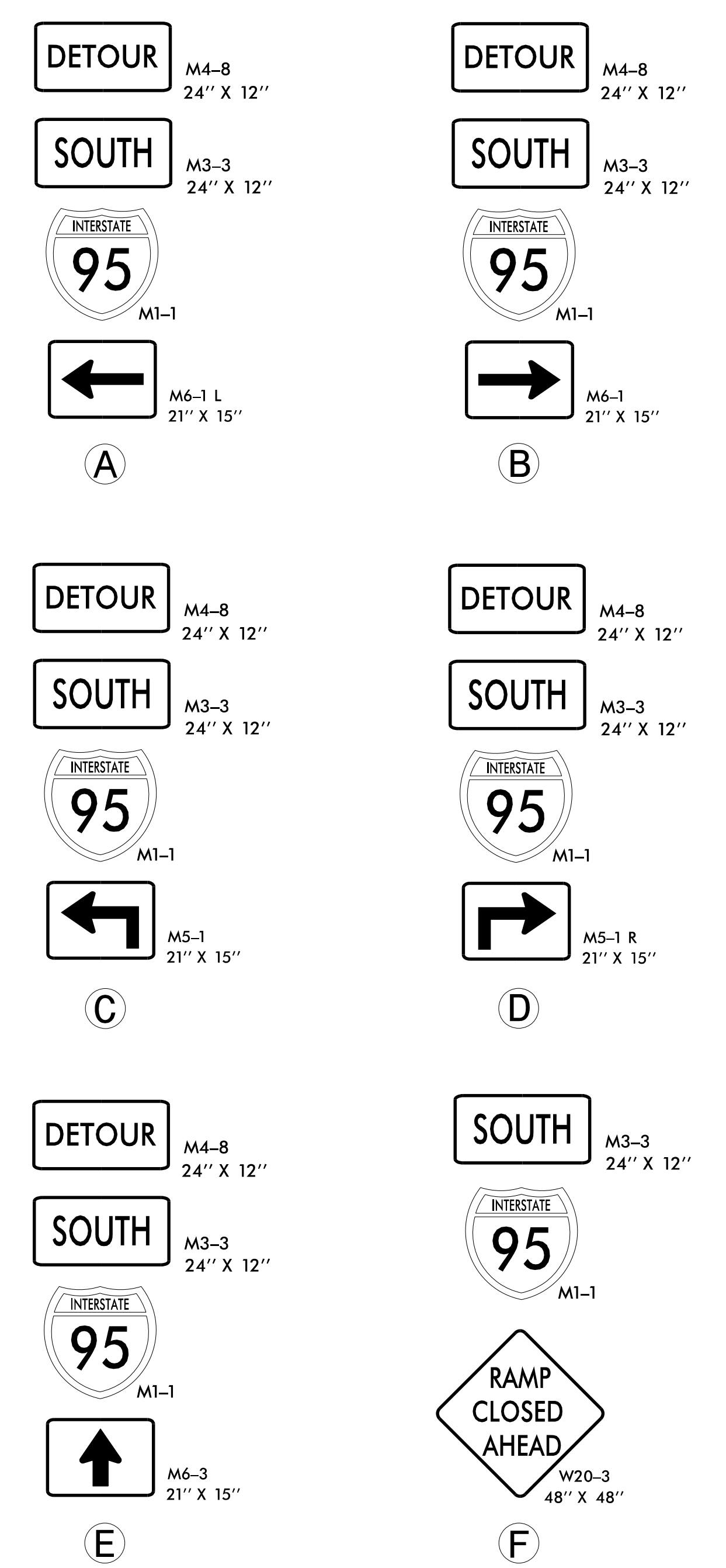
SEAL
 NORTH CAROLINA PROFESSIONAL ENGINEER
 SEAL 21116
 BOB A. MAY



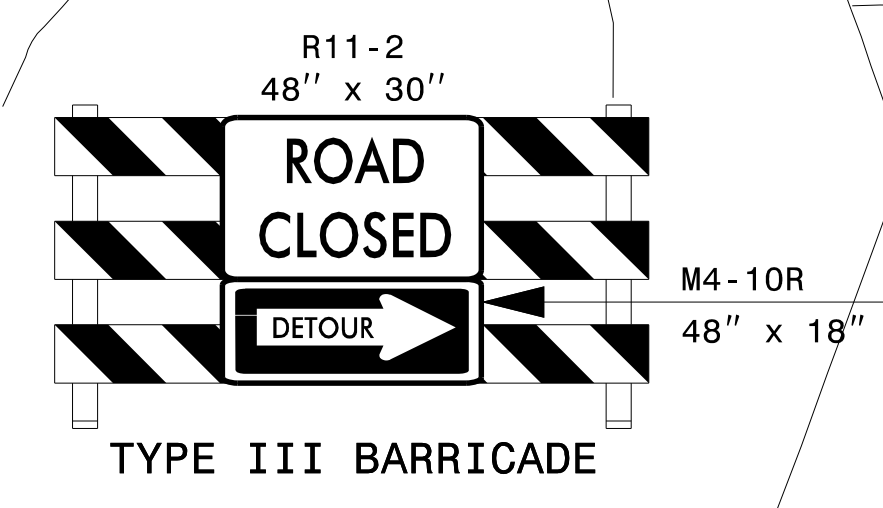
DETOUR
I-95 (-L-) NB CLOSED
BETWEEN
EXIT 105 TO EXIT 106



DETOUR SIGNING



NOTES: ALL DETOUR SIGN LOCATIONS ARE APPROXIMATE.
 * SEE RSD 1101.03, SHEET 7 OF 9, FOR TYPE III BARRICADE LOCATION WITH ATTACHED SIGNING & ADDITIONAL SIGNING FOR ROAD CLOSURE.



DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED

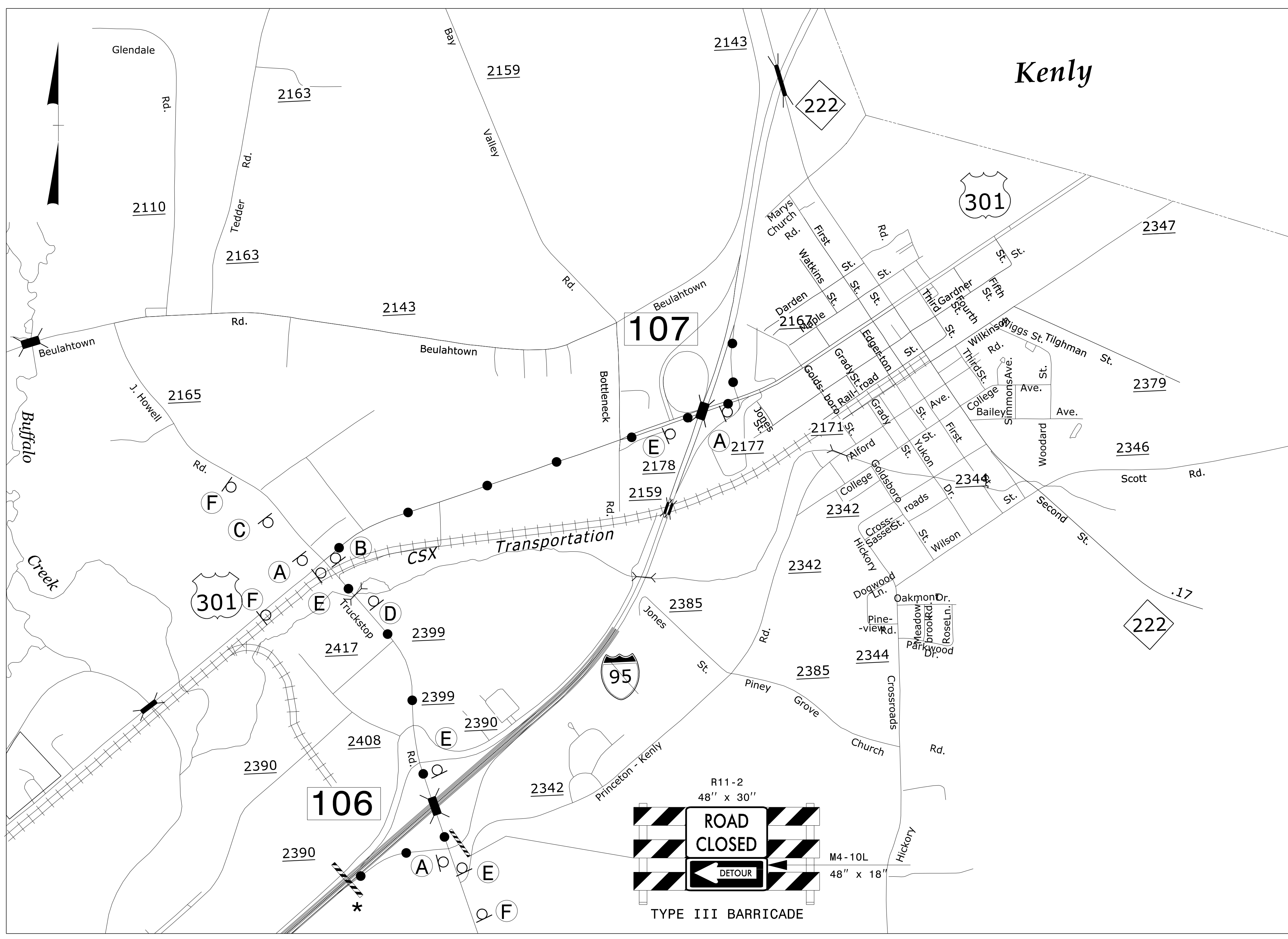
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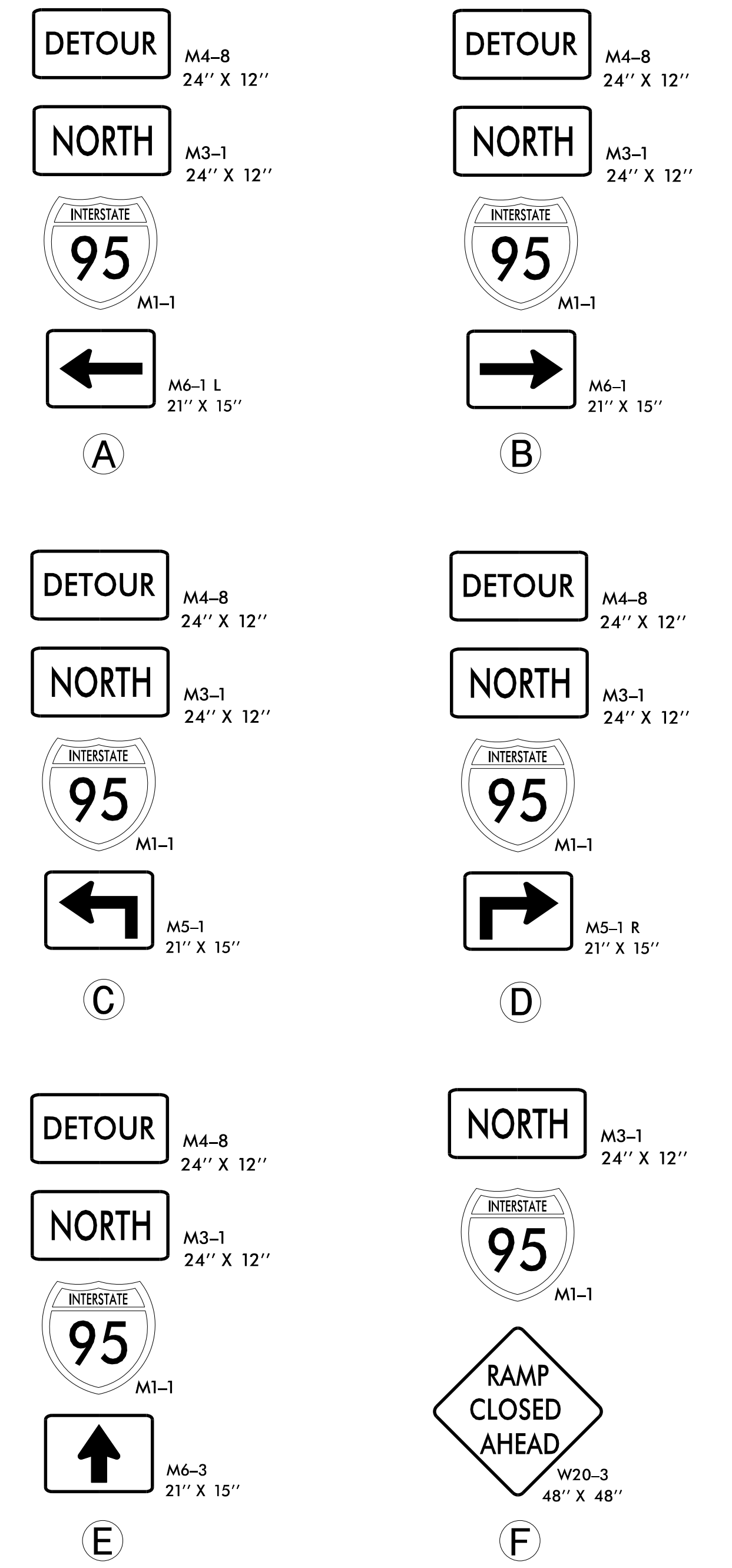
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 NORTH CAROLINA PROFESSIONAL ENGINEER
 SEAL 21116
 BOB A. MAY

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

DETOUR
I-95 (-L-) SB CLOSED
BETWEEN
EXIT 105 TO EXIT 106



DETOUR SIGNING



NOTES: ALL DETOUR SIGN LOCATIONS ARE APPROXIMATE.
 * SEE RSD 1101.03, SHEET 7 OF 9, FOR TYPE III BARRICADE LOCATION WITH ATTACHED SIGNING & ADDITIONAL SIGNING FOR ROAD CLOSURE.



WETHERILL ENGINEERING
 TRANSPORTATION PLANNING/DESIGN - BRIDGE/STRUCTURE DESIGN
 CIVIL/SITE DESIGN - GIS/GPS - CONSTRUCTION OBSERVATION

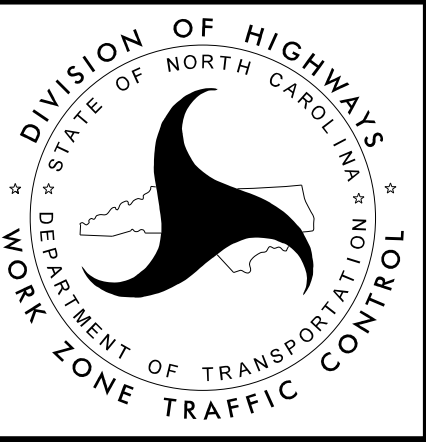
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 UNLESS ALL SIGNATURES COMPLETED**

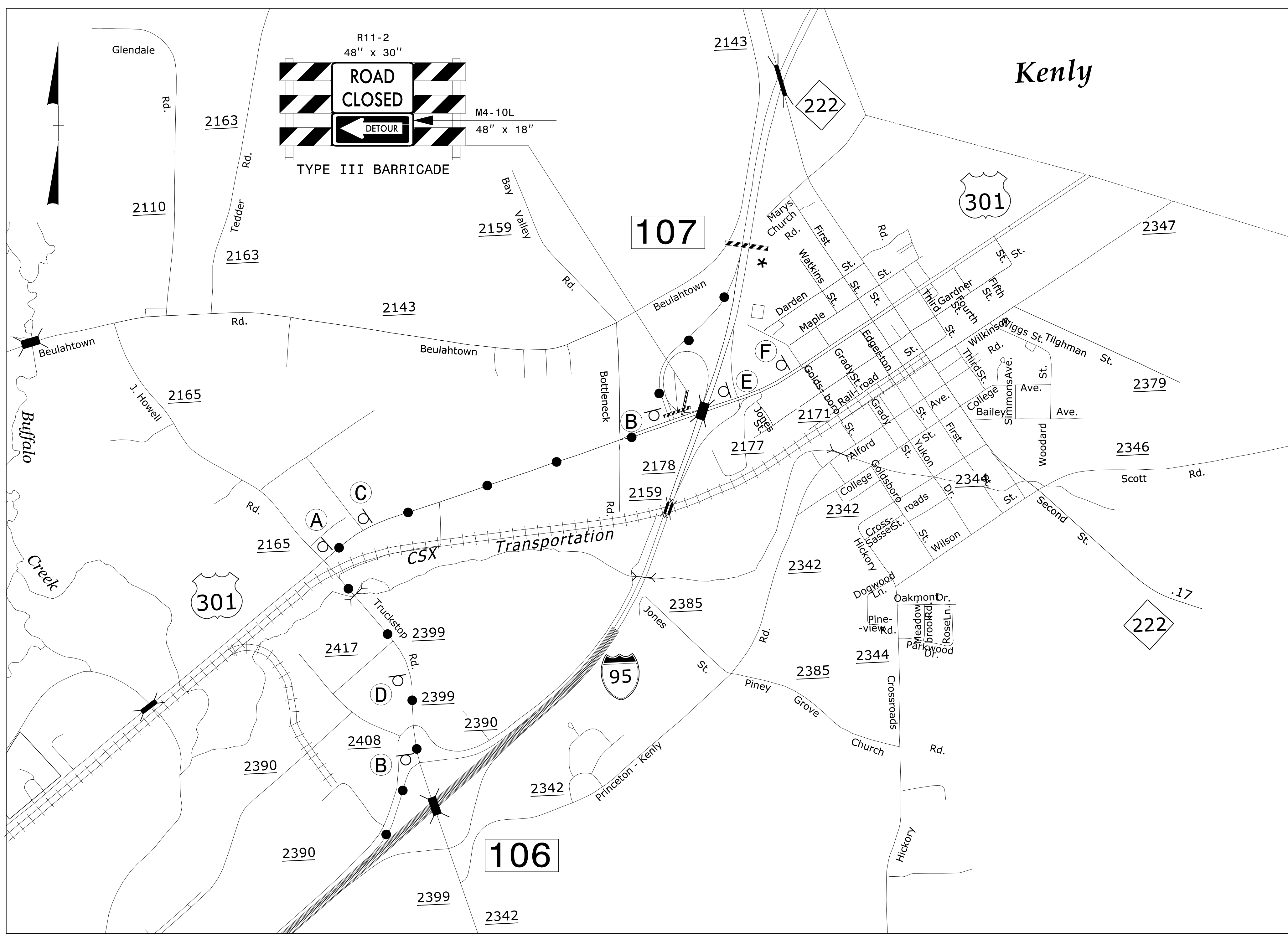
APPROVED: _____ DATE: _____

6/5/2017

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 NORTH CAROLINA PROFESSIONAL ENGINEER
 SEAL 21116
 BOB A. MAY



DETOUR
I-95 (-L-) NB CLOSED
BETWEEN
EXIT 106 TO EXIT 107

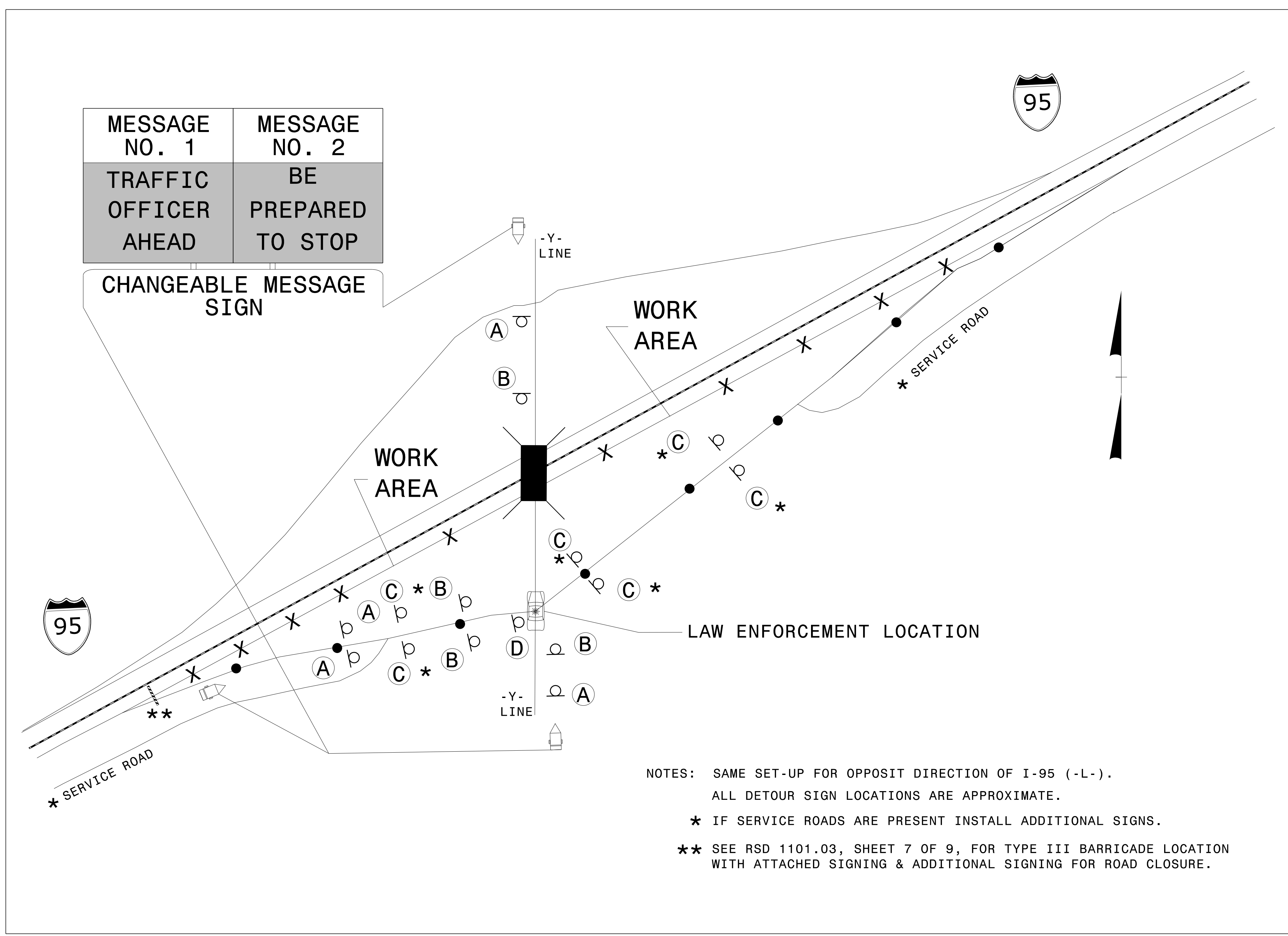


DETOUR SIGNING

NOTES: ALL DETOUR SIGN LOCATIONS ARE APPROXIMATE.
 DRUM OFF DECELERATION LANE AND LEFT TURN LANE TO CLOSED RAMP & LOOP.
 * SEE RSD 1101.03, SHEET 7 OF 9, FOR TYPE III BARRICADE LOCATION WITH ATTACHED SIGNING & ADDITIONAL SIGNING FOR ROAD CLOSURE.

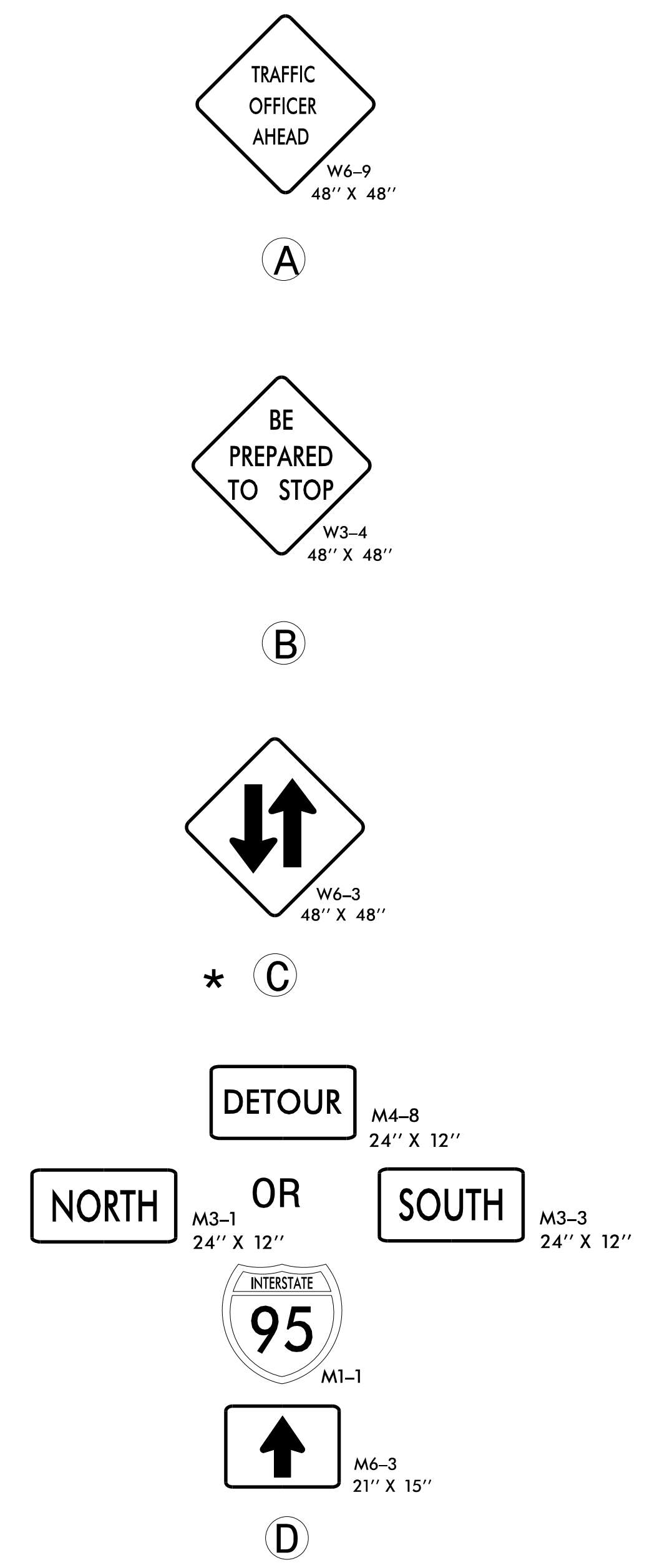


DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED				<p>DETOUR I-95 (-L-) SB CLOSED BETWEEN EXIT 106 TO EXIT 107</p>
<p>APPROVED: _____ DATE: _____</p> <p>6/5/2017</p>	<p>1223 Jones Franklin Rd. Raleigh, N.C. 27606 License No. F-0377 Bus: 919 851 8077 Fax: 919 851 8107</p> <p style="text-align: center;">WETHERILL ENGINEERING</p> <p style="text-align: center;"><small>TRANSPORTATION PLANNING/DESIGN - BRIDGE/STRUCTURE DESIGN CIVIL/SITE DESIGN - GIS/GPS - CONSTRUCTION OBSERVATION</small></p>			



NOTES: SAME SET-UP FOR OPPOSIT DIRECTION OF I-95 (-L-).
 ALL DETOUR SIGN LOCATIONS ARE APPROXIMATE.
 * IF SERVICE ROADS ARE PRESENT INSTALL ADDITIONAL SIGNS.
 ** SEE RSD 1101.03, SHEET 7 OF 9, FOR TYPE III BARRICADE LOCATION WITH ATTACHED SIGNING & ADDITIONAL SIGNING FOR ROAD CLOSURE.

DETOUR SIGNING



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 CIVIL/SITE DESIGN - GIS/GPS - CONSTRUCTION OBSERVATION

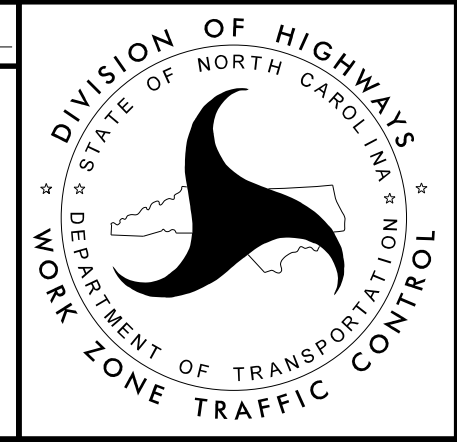
**DOCUMENT NOT CONSIDERED FINAL
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PROFESSIONAL ENGINEER
 SEAL 21116
 BOB A. MAY



**DETOUR
 TYPICAL CLOSURE
 I-95 (-L-) BETWEEN
 OFF & ON-RAMPS**

5/8/2017 P:\2017\I-5786\TrafficControl\TCPV-5786_TC_TMP_PSH_02C.dgn User:skennedy

DETOUR SIGNING

MESSAGE NO. 1	MESSAGE NO. 2
EXIT 101 CLOSED	USE EXIT 102

CHANGEABLE MESSAGE SIGN
PLACE CMS 1 MILE IN ADVANCE OF CLOSED EXIT, OR AS DIRECTED BY THE ENGINEER.

MESSAGE NO. 1	MESSAGE NO. 2
EXIT 101 CLOSED	USE NEXT EXIT

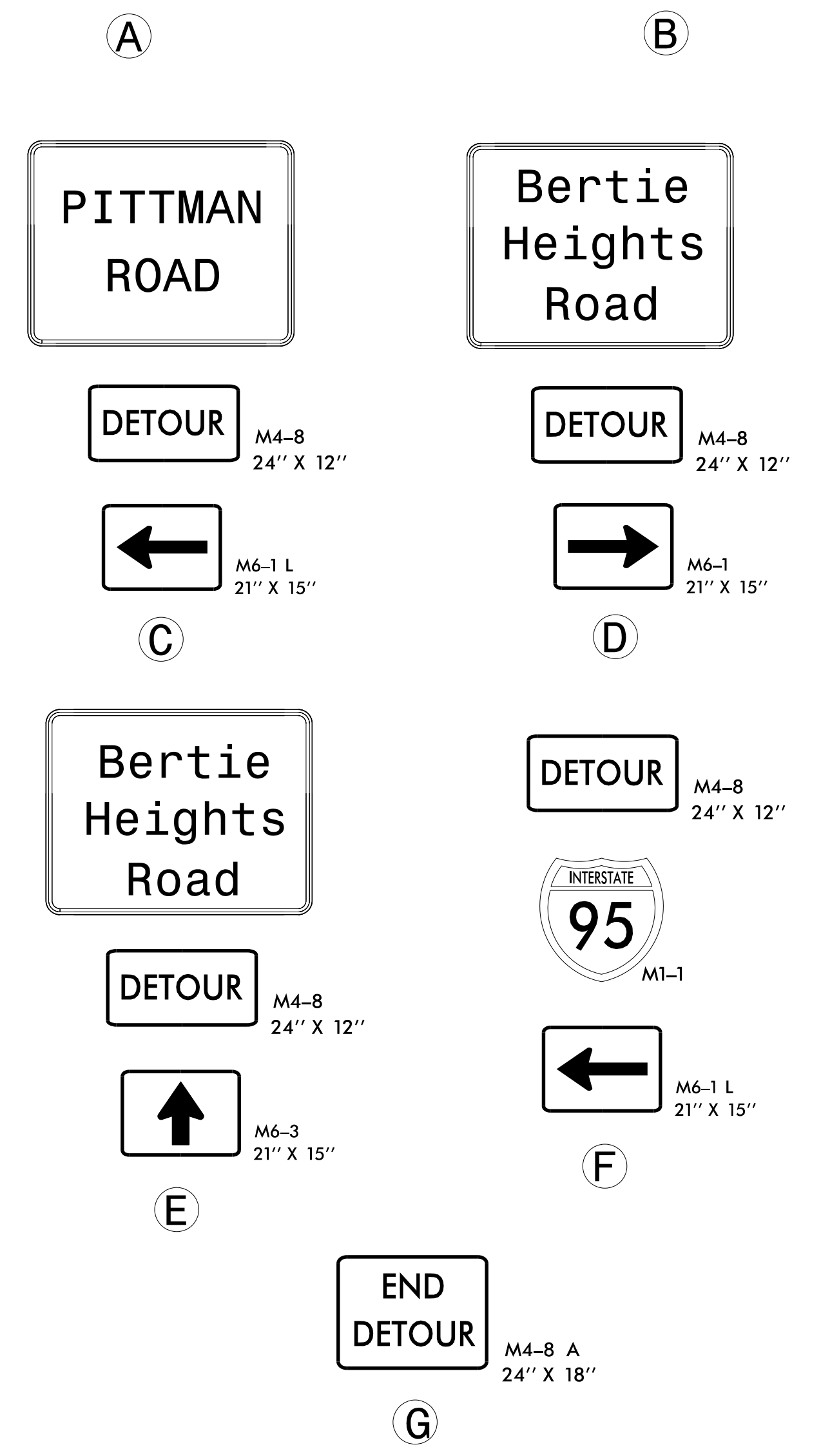
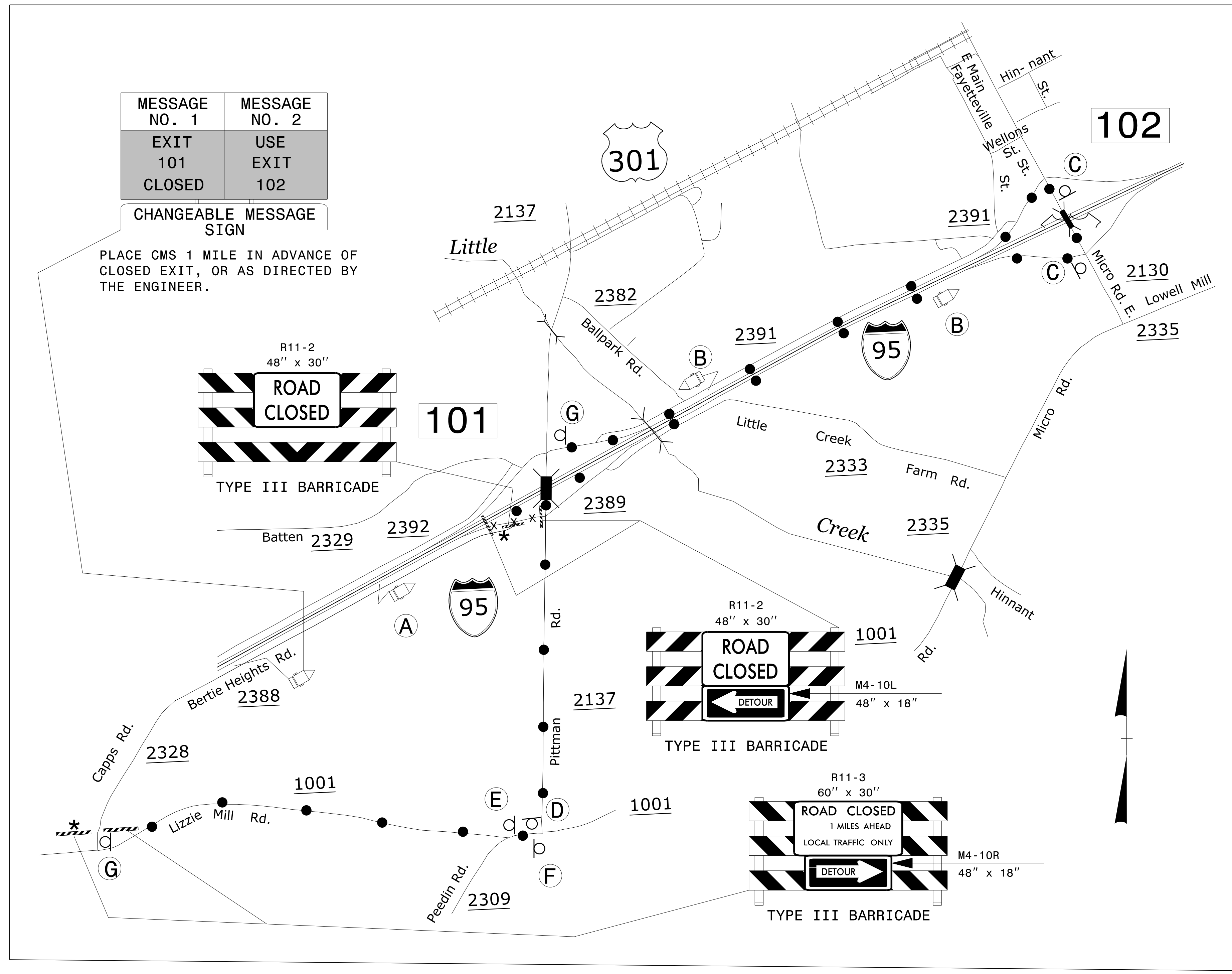
CHANGEABLE MESSAGE SIGN

PLACE CMS 1,000' IN ADVANCE OF OFF-RAMP TAPER, OR AS DIRECTED BY THE ENGINEER.

MESSAGE NO. 1	MESSAGE NO. 2
PITTMAN ROAD DETOUR	USE THIS EXIT

CHANGEABLE MESSAGE SIGN

PLACE CMS 1,000' IN ADVANCE OF OFF-RAMP TAPER, OR AS DIRECTED BY THE ENGINEER.



NOTES: SEE TMP-2 FOR "PITTMAN ROAD" AND "BERTIE HEIGHTS ROAD" SPECIAL SIGN DESIGNS.
 DRUM OFF DECELERATION LANE TO CLOSED RAMP.
 ALL DETOUR SIGN LOCATIONS ARE APPROXIMATE.
 * SEE RSD 1101.03, SHEET 1 OF 9, FOR TYPE III BARRICADE LOCATION WITH ATTACHED SIGNING & ADDITIONAL SIGNING FOR ROAD CLOSURE.

DETOUR ROUTE ● ● ●

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 CIVIL/SITE DESIGN - GIS/GPS - CONSTRUCTION OBSERVATION

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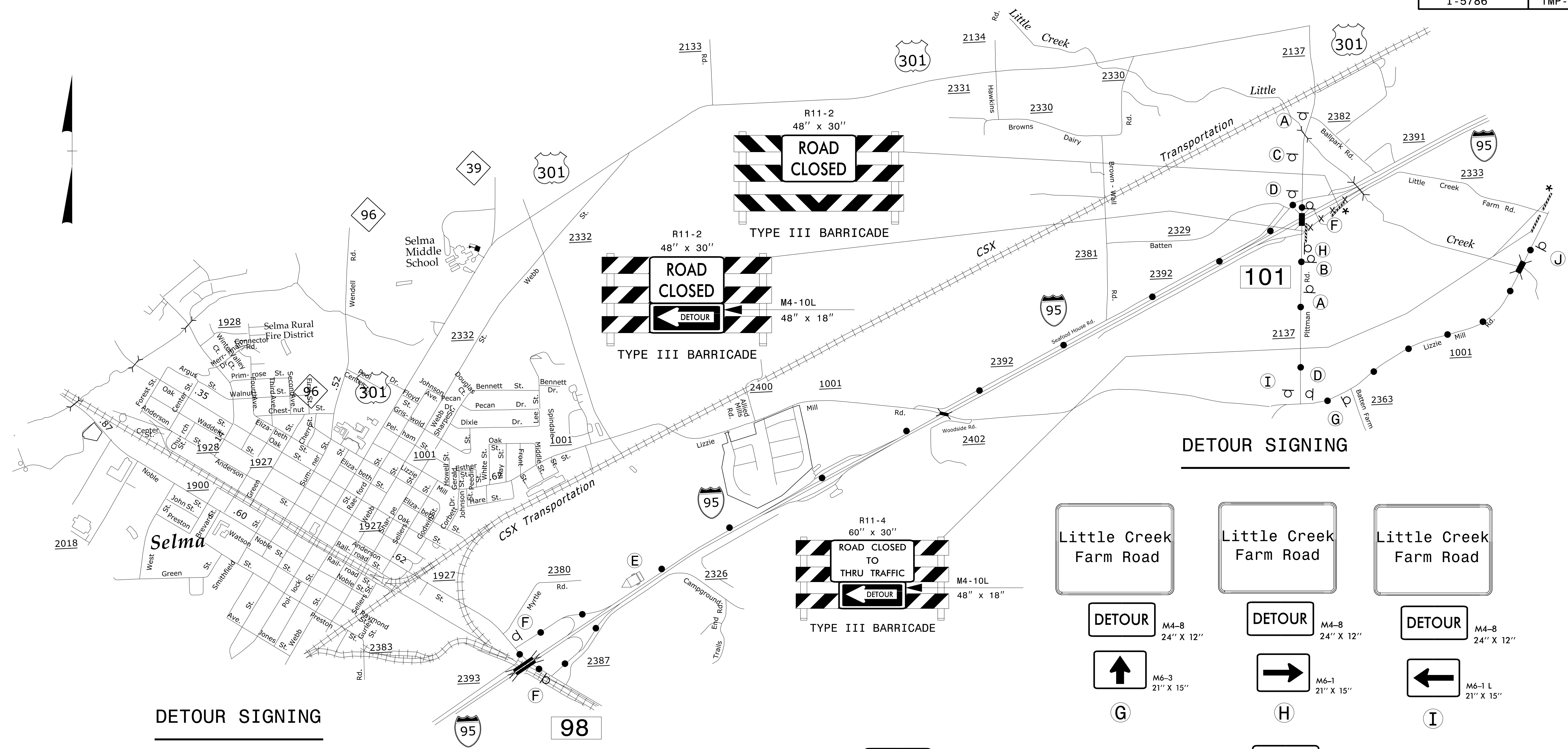
APPROVED: _____ DATE: _____

6/5/2017

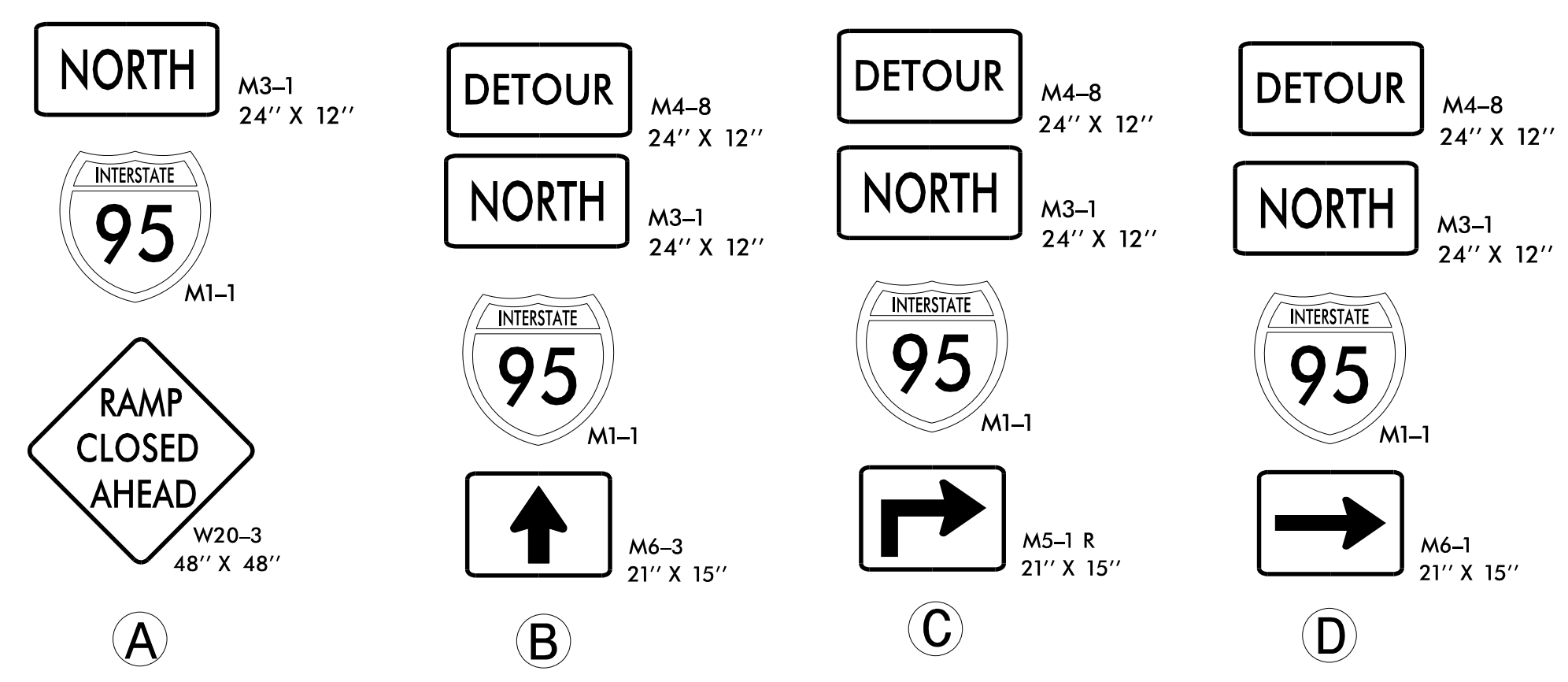
SEAL
 NORTH CAROLINA PROFESSIONAL ENGINEER
 SEAL 21116
 BOB A. MAY

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

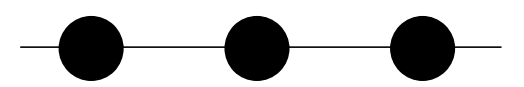
DETOUR
 I-95 (-L-) NB
 EXIT 101 CLOSED TO
 PITTMAN ROAD



DETOUR SIGNING



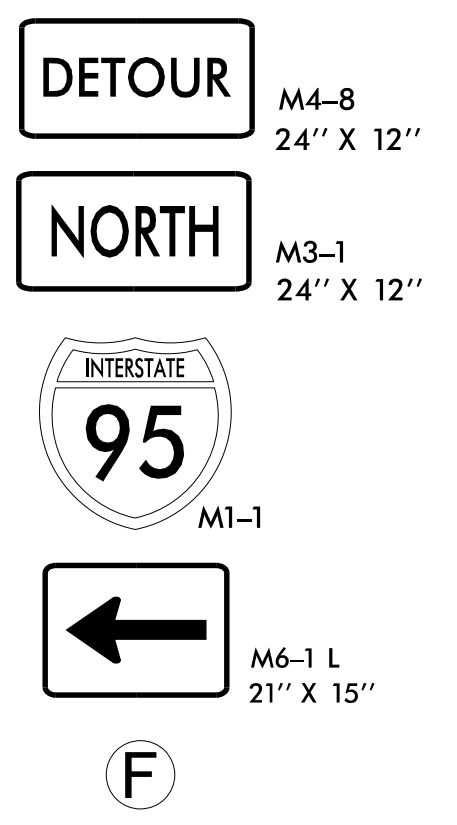
DETOUR ROUTE



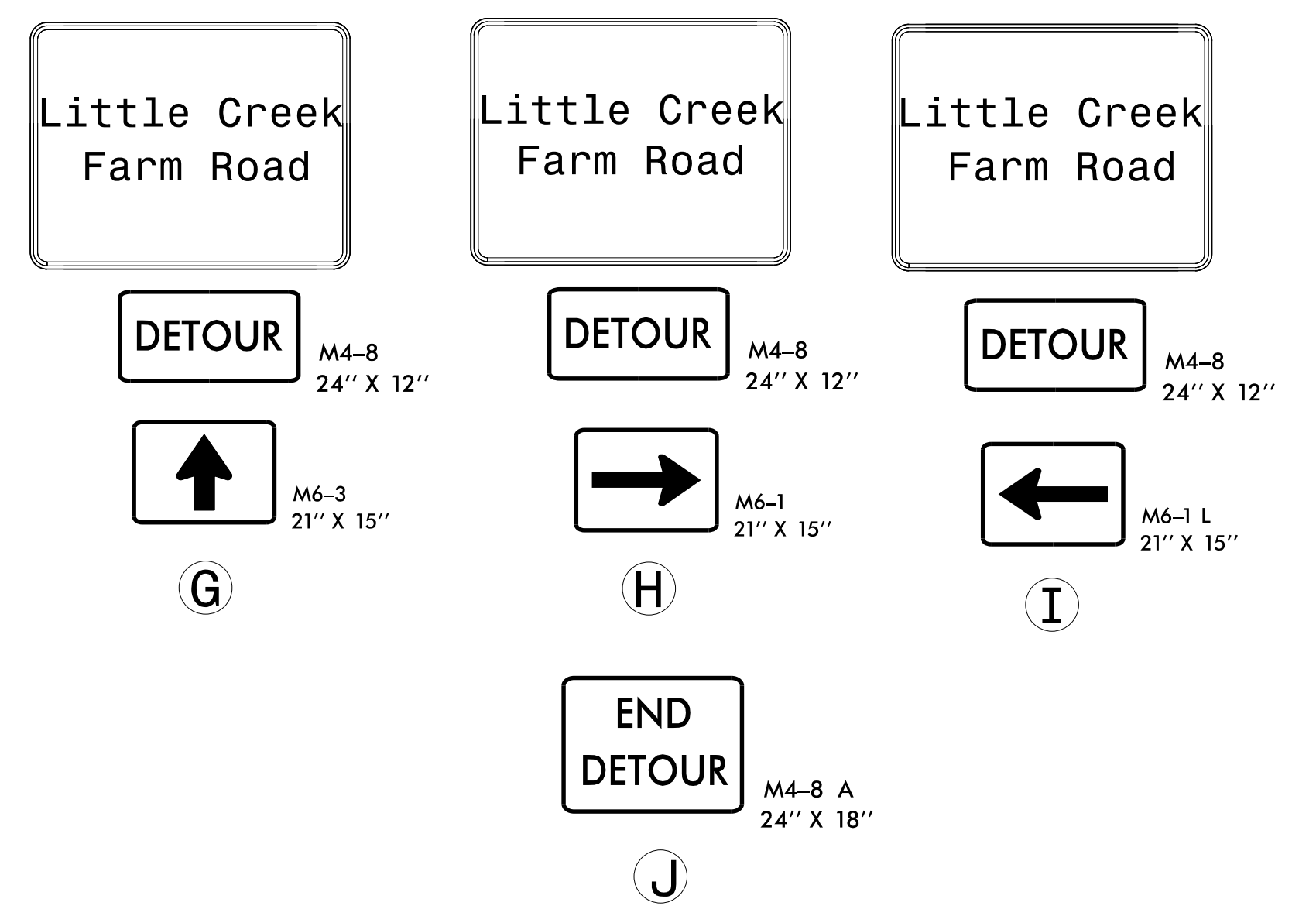
MESSAGE NO. 1	MESSAGE NO. 2
DETOUR NORTH I-95	USE THIS EXIT

CHANGEABLE MESSAGE SIGN

PLACE CMS 1,000' IN ADVANCE OF OFF-RAMP TAPER, OR AS DIRECTED BY THE ENGINEER.



DETOUR SIGNING



NOTES: SEE TMP-2A FOR "LITTLE CREEK FARM ROAD" SPECIAL SIGN DESIGN.
 ALL DETOUR SIGN LOCATIONS ARE APPROXIMATE.
 * SEE RSD 1101.03, SHEET 1 OF 9, FOR TYPE III BARRICADE LOCATION WITH ATTACHED SIGNING & ADDITIONAL SIGNING FOR ROAD CLOSURE.

WETHERILL ENGINEERING

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 CIVIL/SITE DESIGN - GIS/GPS - CONSTRUCTION OBSERVATION

DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED

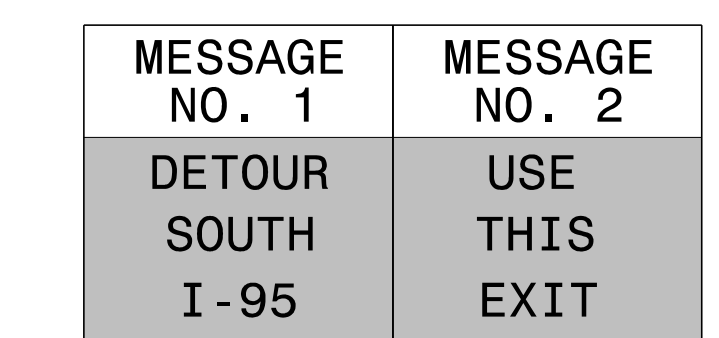
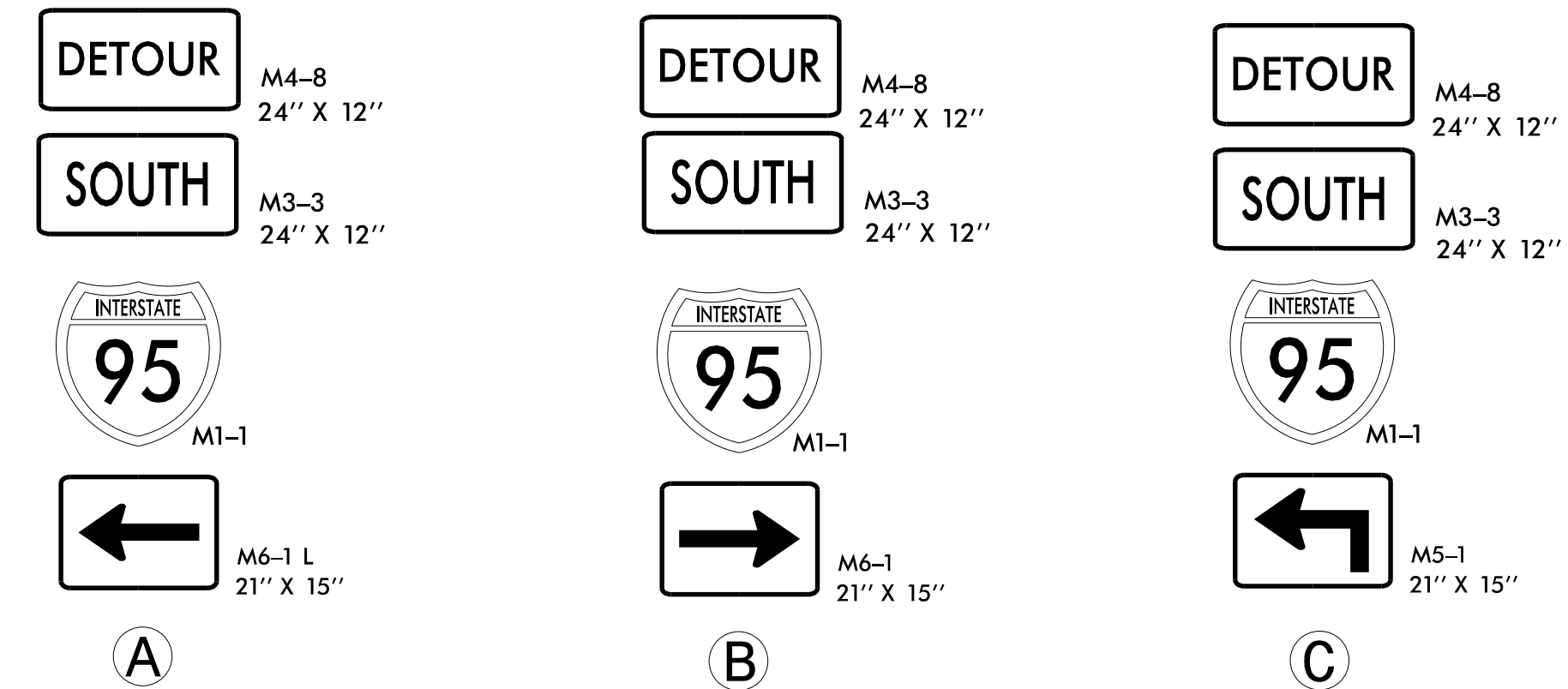
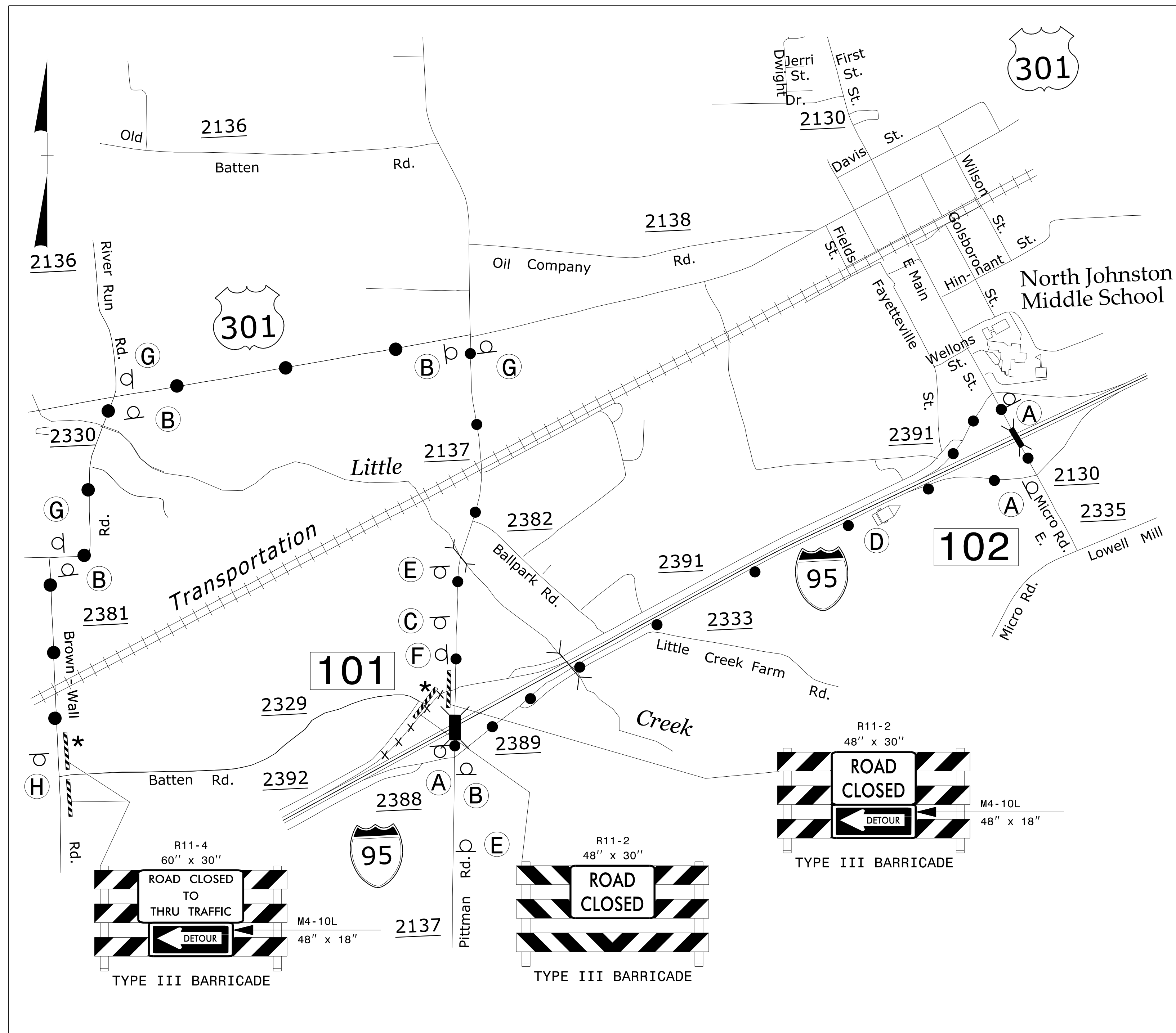
APPROVED: _____ DATE: 6/5/2017

SEAL: _____

Bob A. May

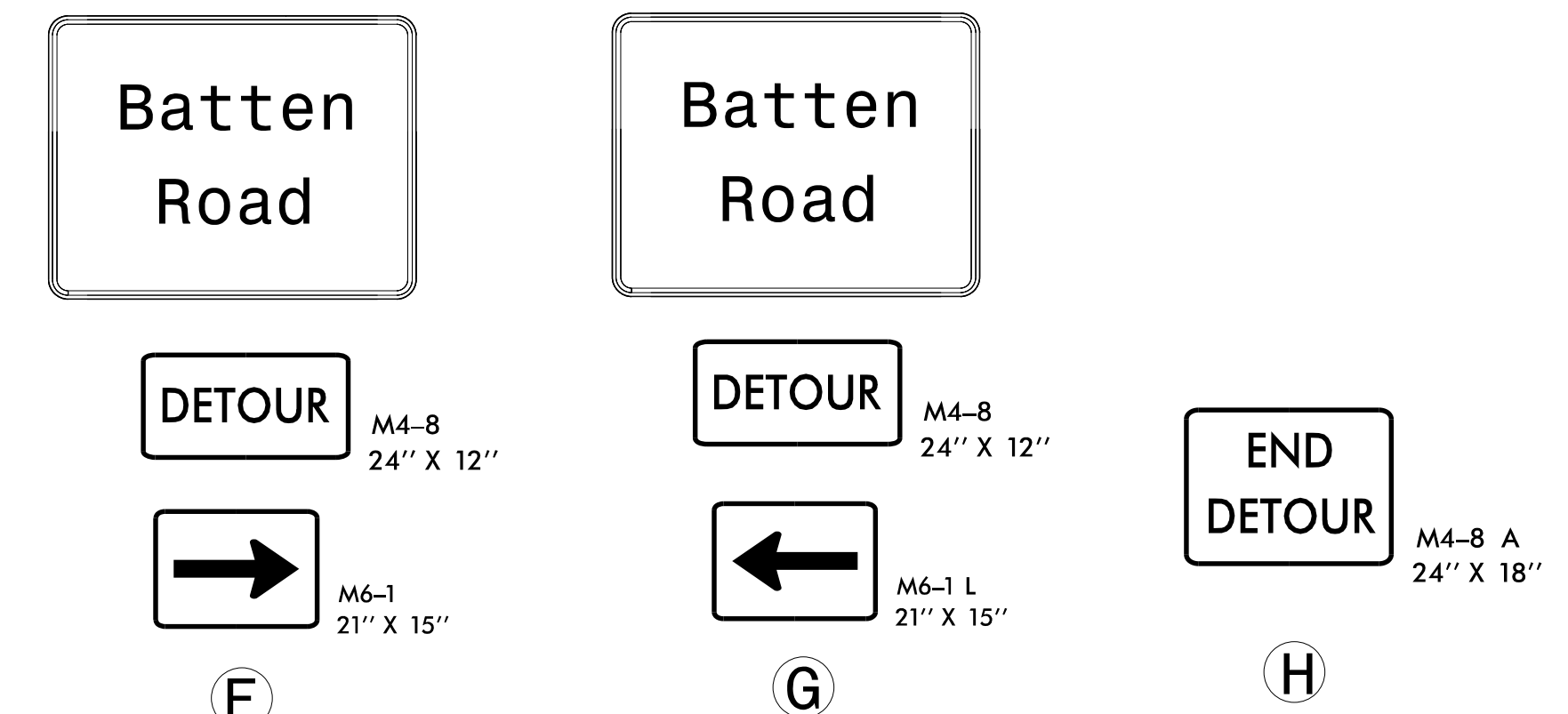
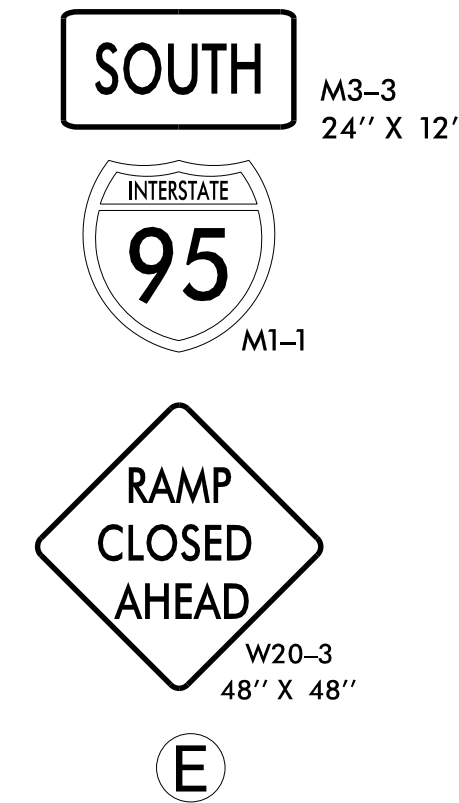
DETOUR ON-RAMP CLOSED FROM PITTMAN ROAD TO I-95 (-L-) NB

DETOUR SIGNING



CHANGEABLE MESSAGE SIGN

PLACE CMS 1,000' IN ADVANCE OF OFF-RAMP TAPER, OR AS DIRECTED BY THE ENGINEER.



NOTES: SEE TMP-2A FOR "BATTEN ROAD" SPECIAL SIGN DESIGN.
ALL DETOUR SIGN LOCATIONS ARE APPROXIMATE.
* SEE RSD 1101.03, SHEET 1 OF 9, FOR TYPE III BARRICADE LOCATION WITH ATTACHED SIGNING & ADDITIONAL SIGNING FOR ROAD CLOSURE.



DOCUMENT NOT CONSIDERED FINAL
UNLESS ALL SIGNATURES COMPLETED

WETHERILL ENGINEERING
TRANSPORTATION PLANNING/DESIGN - BRIDGE/STRUCTURE DESIGN
CIVIL/SITE DESIGN - GIS/GPS - CONSTRUCTION OBSERVATION

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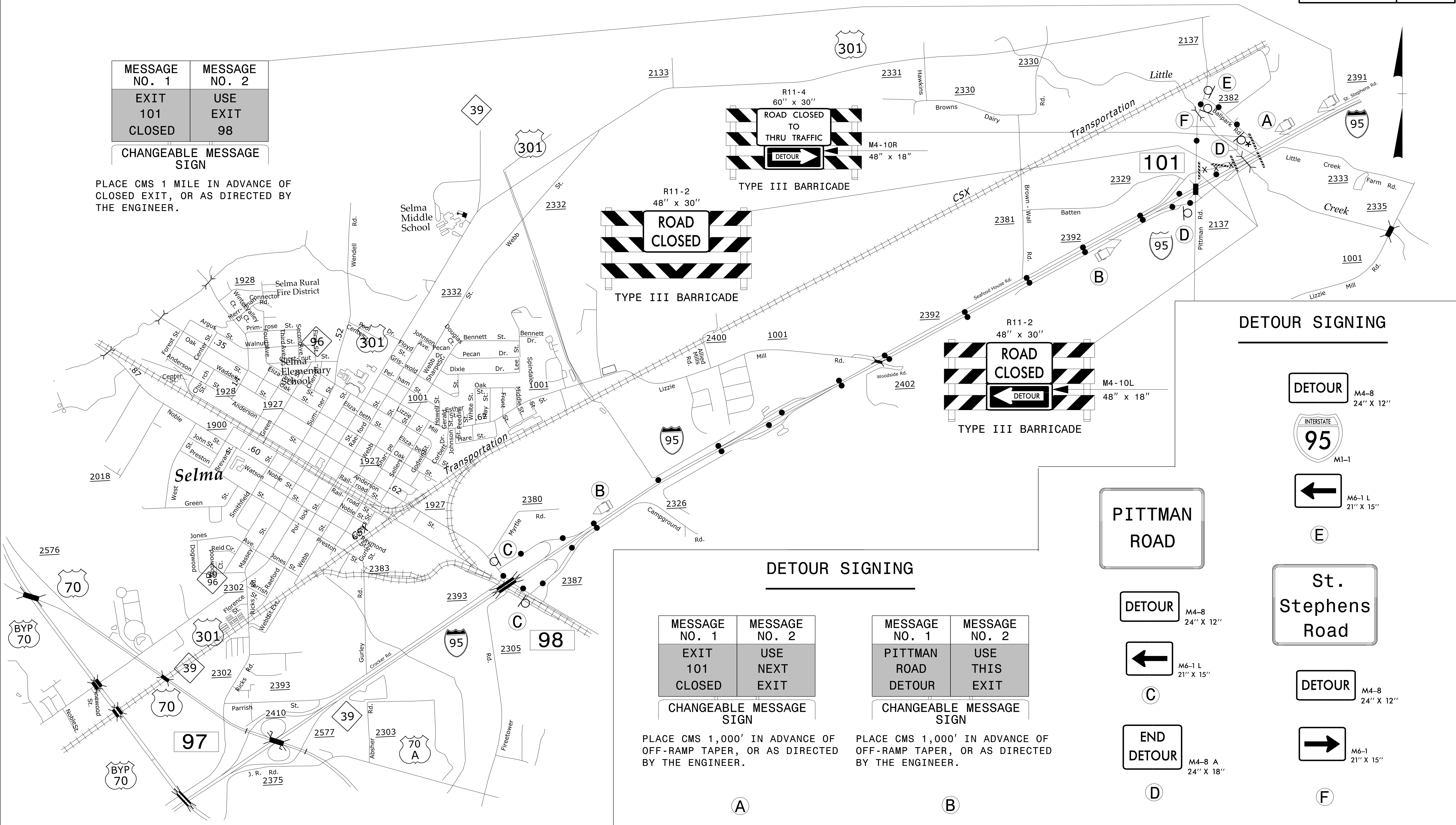
APPROVED: DATE: 6/5/2017

DETOUR ON-RAMP CLOSED FROM PITTMAN ROAD TO I-95 (-L-) SB

MESSAGE NO. 1	MESSAGE NO. 2
EXIT 101 CLOSED	USE EXIT 98

CHANGEABLE MESSAGE SIGN

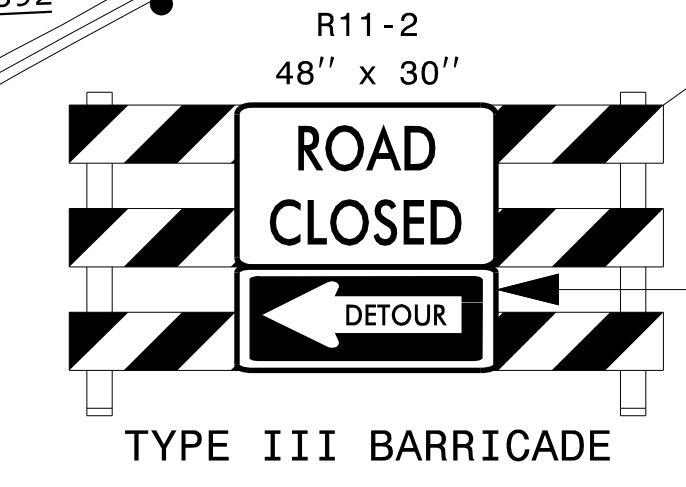
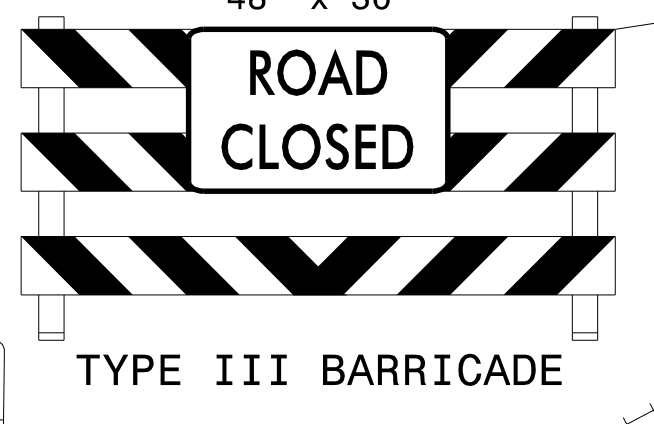
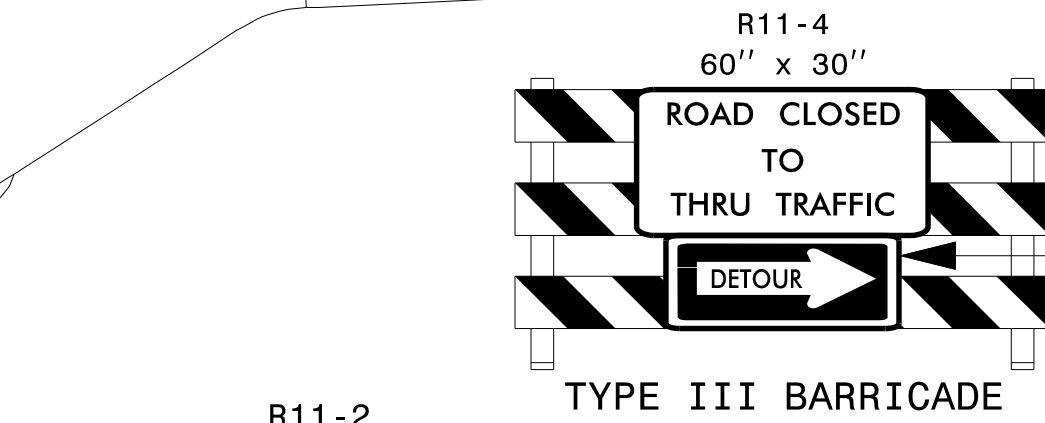
PLACE CMS 1 MILE IN ADVANCE OF CLOSED EXIT, OR AS DIRECTED BY THE ENGINEER.



NOTES: SEE TMP-2 FOR "PITTMAN ROAD" AND TMP-2A FOR "ST. STEPHENS ROAD" SPECIAL SIGN DESIGNS.
 DRUM OFF DECELERATION LANE TO CLOSED RAMP.
 ALL DETOUR SIGN LOCATIONS ARE APPROXIMATE.

* SEE RSD 1101.03, SHEET 1 OF 9, FOR TYPE III BARRICADE LOCATION WITH ATTACHED SIGNING & ADDITIONAL SIGNING FOR ROAD CLOSURE.

DETOUR ROUTE ● ● ●



DETOUR SIGNING

MESSAGE NO. 1	MESSAGE NO. 2
EXIT 101 CLOSED	USE NEXT EXIT 98

CHANGEABLE MESSAGE SIGN

PLACE CMS 1,000' IN ADVANCE OF OFF-RAMP TAPER, OR AS DIRECTED BY THE ENGINEER.

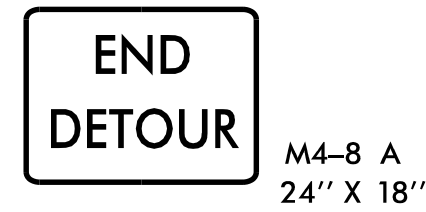
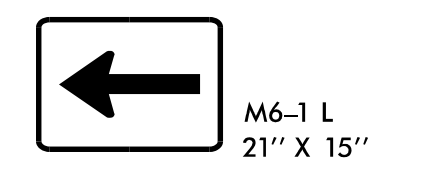
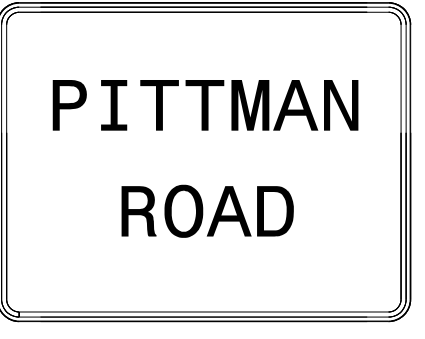
A

MESSAGE NO. 1	MESSAGE NO. 2
PITTMAN ROAD DETOUR	USE THIS EXIT

CHANGEABLE MESSAGE SIGN

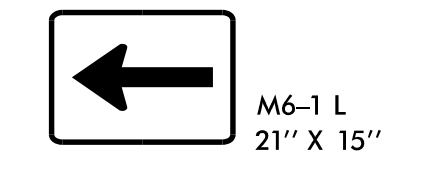
PLACE CMS 1,000' IN ADVANCE OF OFF-RAMP TAPER, OR AS DIRECTED BY THE ENGINEER.

B

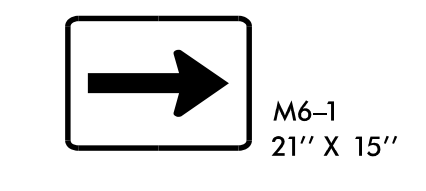


D

DETOUR SIGNING

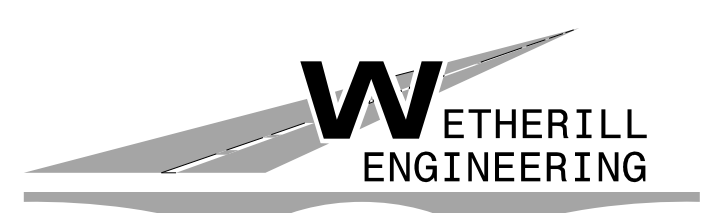


E



F

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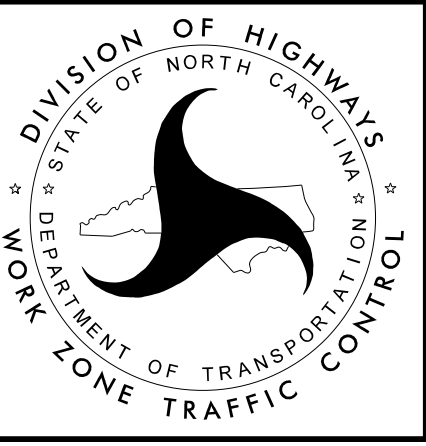
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 License No. F-0377
 Bus: 919 851 8077
 Fax: 919 851 8107

TRANSPORTATION PLANNING/DESIGN - BRIDGE/STRUCTURE DESIGN
 CIVIL/SITE DESIGN - GIS/GPS - CONSTRUCTION OBSERVATION

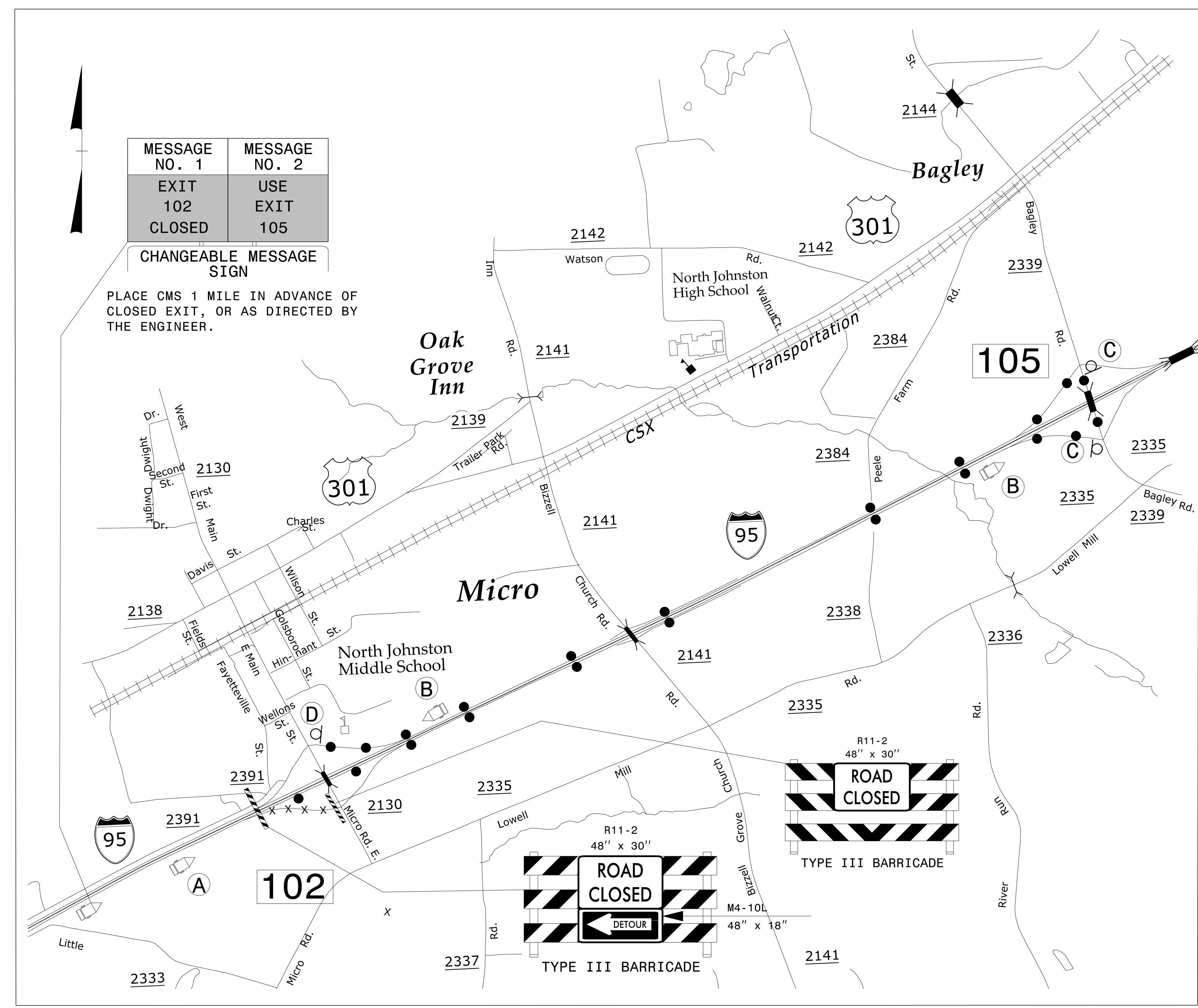
APPROVED: _____ DATE: _____

6/5/2017

SEAL



DETOUR
 I-95 (-L-) SB
 EXIT 101 CLOSED TO
 PITTMAN ROAD



MESSAGE NO. 1	MESSAGE NO. 2
EXIT 102 CLOSED	USE EXIT 105

CHANGEABLE MESSAGE SIGN

PLACE CMS 1 MILE IN ADVANCE OF CLOSED EXIT, OR AS DIRECTED BY THE ENGINEER.

MESSAGE NO. 1	MESSAGE NO. 2
EXIT 102 CLOSED	USE NEXT EXIT

CHANGEABLE MESSAGE SIGN

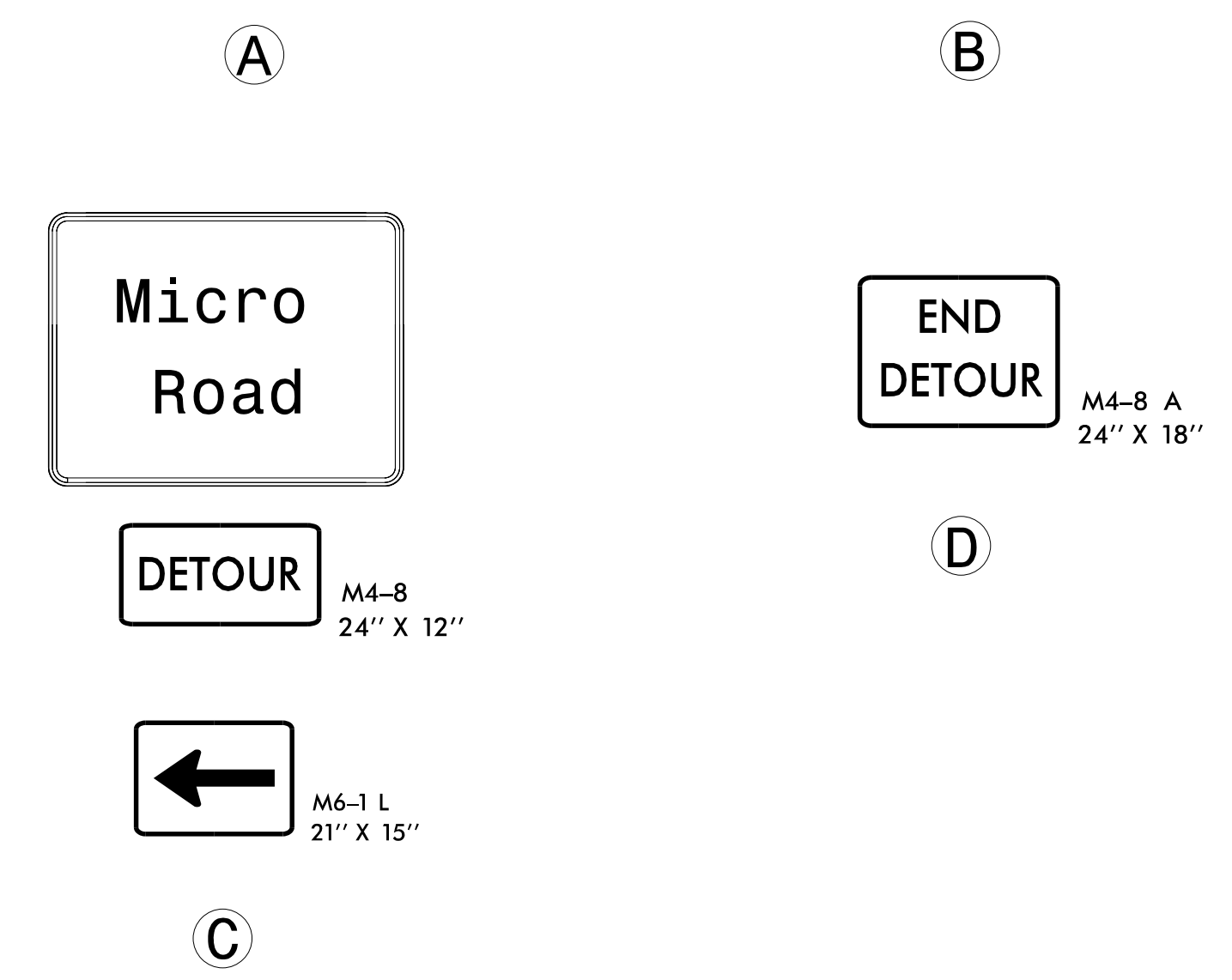
PLACE CMS 1,000' IN ADVANCE OF OFF-RAMP TAPER, OR AS DIRECTED BY THE ENGINEER.

MESSAGE NO. 1	MESSAGE NO. 2
MICRO ROAD DETOUR	USE THIS EXIT

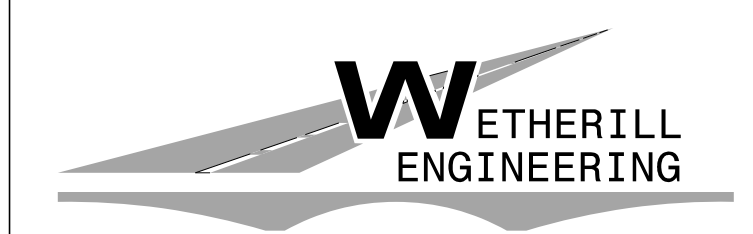
CHANGEABLE MESSAGE SIGN

PLACE CMS 1,000' IN ADVANCE OF OFF-RAMP TAPER, OR AS DIRECTED BY THE ENGINEER.

DETOUR SIGNING



NOTES: SEE TMP-2A FOR "MICRO ROAD" SPECIAL SIGN DESIGN.
 DRUM OFF DECELERATION LANE TO CLOSED RAMP.
 ALL DETOUR SIGN LOCATIONS ARE APPROXIMATE.



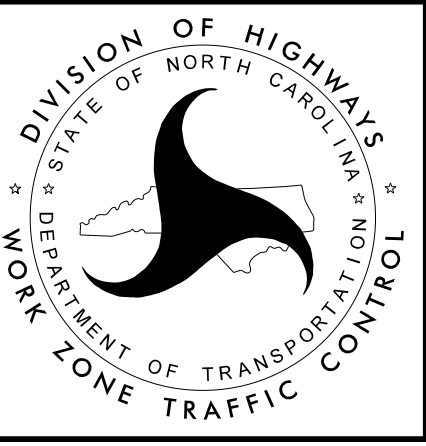
1223 Jones Franklin Rd.
 Raleigh, N.C. 27606
 License No. F-0377
 Bus: 919 851 8077
 Fax: 919 851 8107

TRANSPORTATION PLANNING/DESIGN - BRIDGE/STRUCTURE DESIGN
 CIVIL/SITE DESIGN - GIS/GPS - CONSTRUCTION OBSERVATION

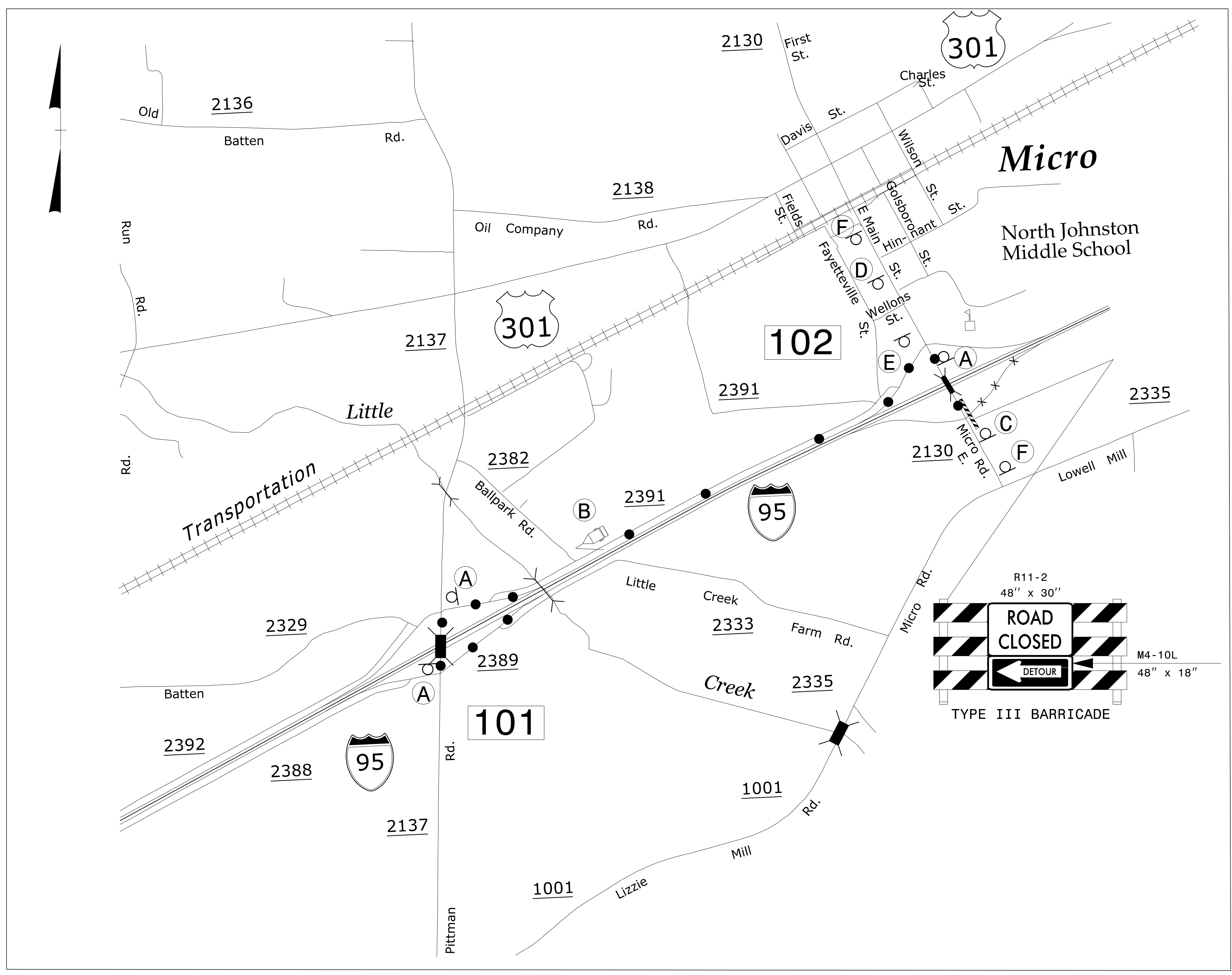
**DOCUMENT NOT CONSIDERED FINAL
 UNLESS ALL SIGNATURES COMPLETED**

APPROVED: _____ DATE: 6/5/2017

SEAL



DETOUR
I-95 (-L-) NB
EXIT 102 CLOSED TO
MICRO ROAD



DETOUR SIGNING

	<p>PLACE CMS 1,000' IN ADVANCE OF OFF-RAMP TAPER, OR AS DIRECTED BY THE ENGINEER.</p>
A	B
C	D
	F
E	

NOTES: ALL DETOUR SIGN LOCATIONS ARE APPROXIMATE.



WETHERILL ENGINEERING

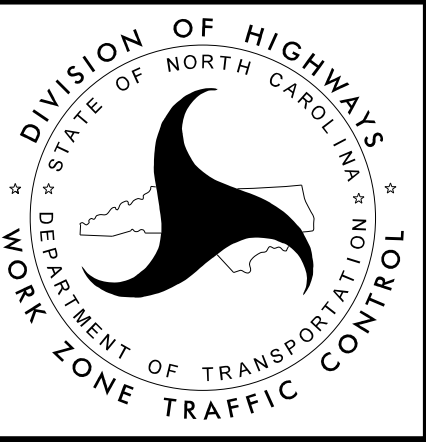
1223 Jones Franklin Rd.
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 Bus: 919 851 8077
 Fax: 919 851 8107

TRANSPORTATION PLANNING/DESIGN - BRIDGE/STRUCTURE DESIGN
 CIVIL/SITE DESIGN - GIS/GPS - CONSTRUCTION OBSERVATION

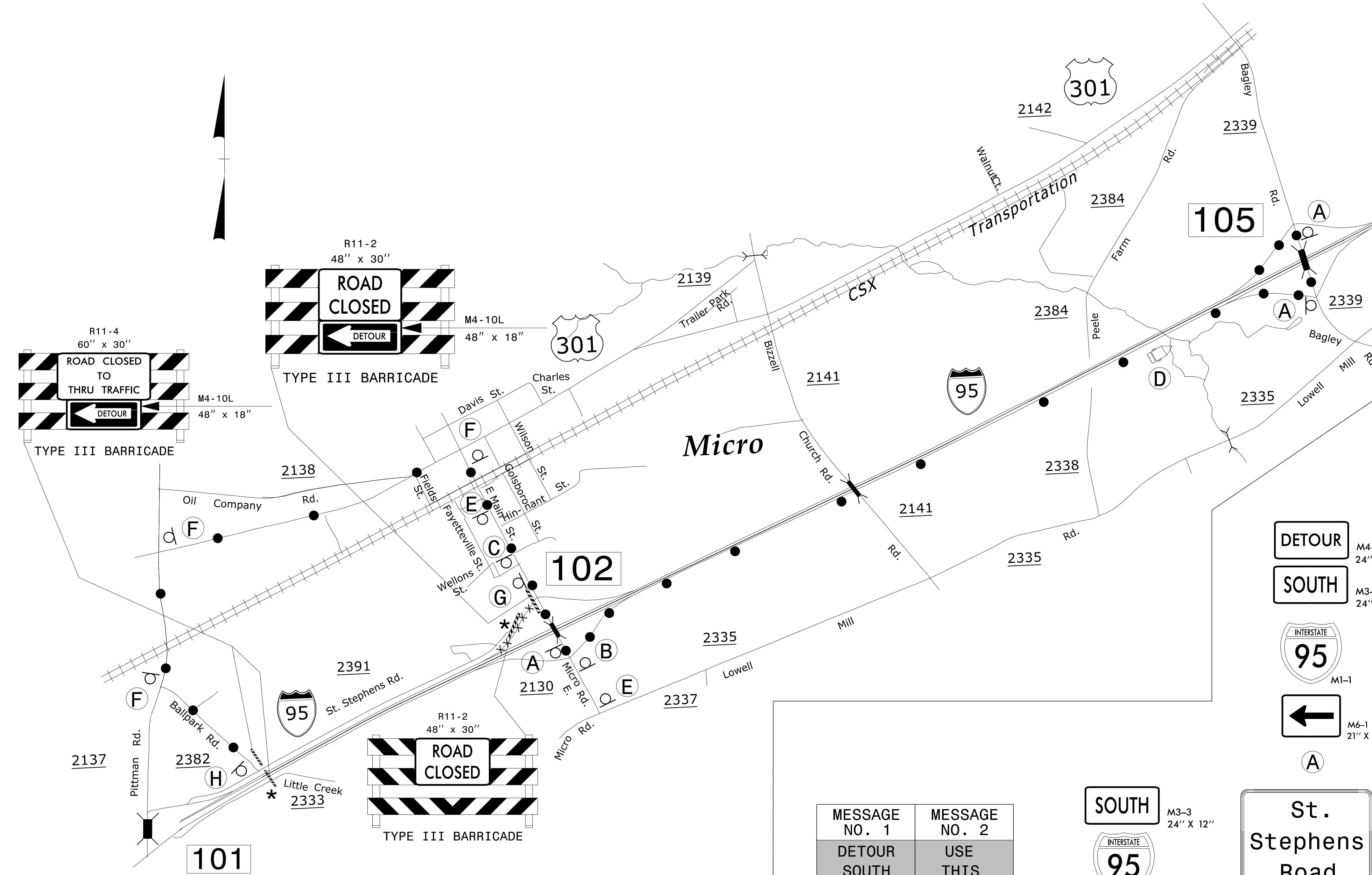
DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED

APPROVED: _____ DATE: 6/5/2012

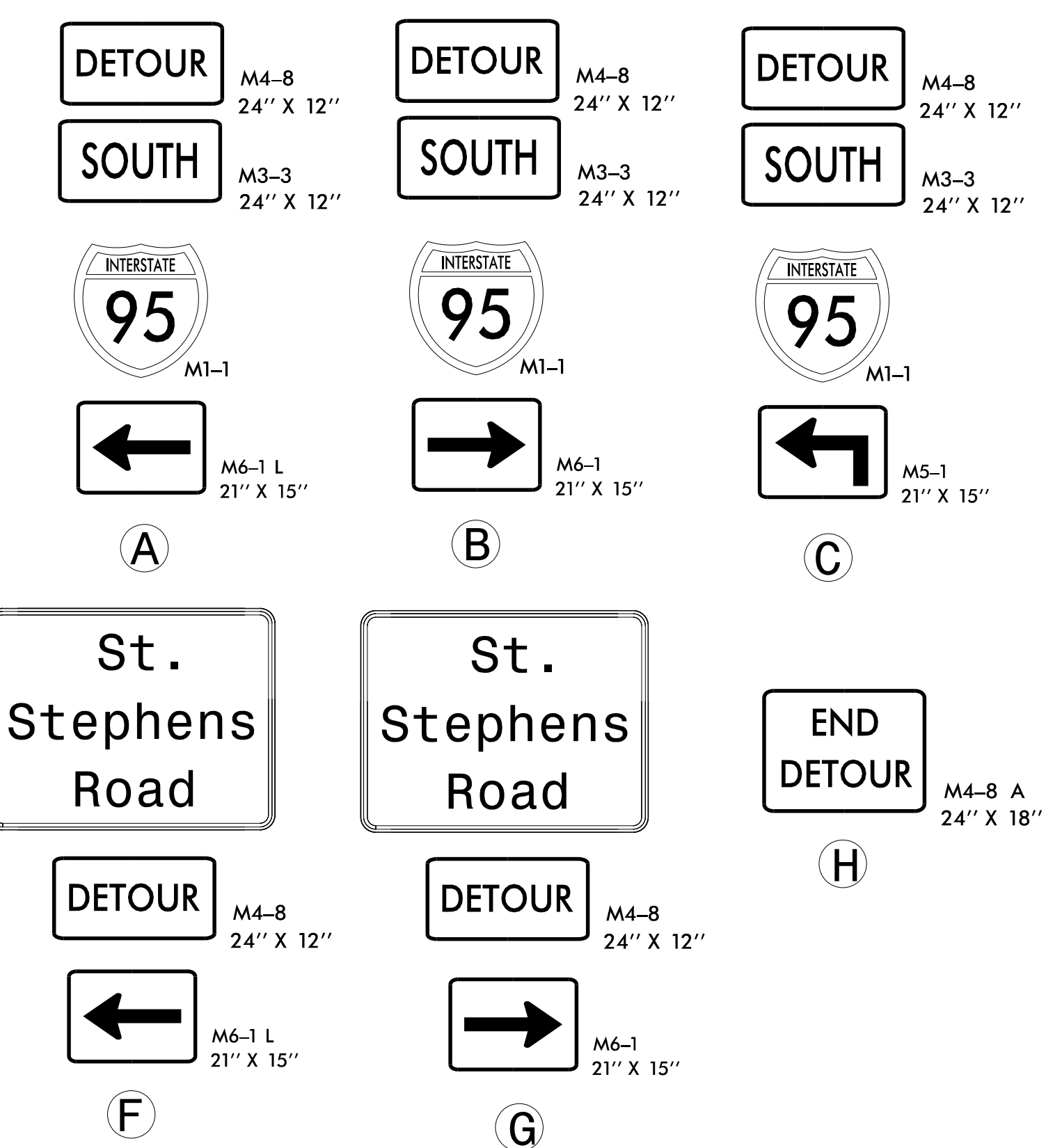
SEAL



DETOUR ON-RAMP CLOSED FROM MICRO ROAD TO I-95 (-L-) NB



DETOUR SIGNING



MESSAGE NO. 1	MESSAGE NO. 2
DETOUR SOUTH I-95	USE THIS EXIT

CHANGEABLE MESSAGE SIGN

PLACE CMS 1,000' IN ADVANCE OF OFF-RAMP TAPER, OR AS DIRECTED BY THE ENGINEER.

NOTES: SEE TMP-2A FOR "ST. STEPHENS ROAD" SPECIAL SIGN DESIGN.
 ALL DETOUR SIGN LOCATIONS ARE APPROXIMATE.
 * SEE RSD 1101.03, SHEET 1 OF 9, FOR TYPE III BARRICADE LOCATION WITH ATTACHED SIGNING & ADDITIONAL SIGNING FOR ROAD CLOSURE.

DETOUR ROUTE ● — ● — ●

DOCUMENT NOT CONSIDERED FINAL
 UNLESS ALL SIGNATURES COMPLETED

ETHERILL ENGINEERING

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TRANSPORTATION PLANNING/DESIGN - BRIDGE/STRUCTURE DESIGN
 CIVIL/SITE DESIGN - GIS/GPS - CONSTRUCTION OBSERVATION

APPROVED: 6/5/2017 DATE:

SEAL

PROFESSOR OF ENGINEERING

SEAL 21116

Bob A. May

DIVISION OF HIGHWAYS

STATE OF NORTH CAROLINA

DEPARTMENT OF TRANSPORTATION

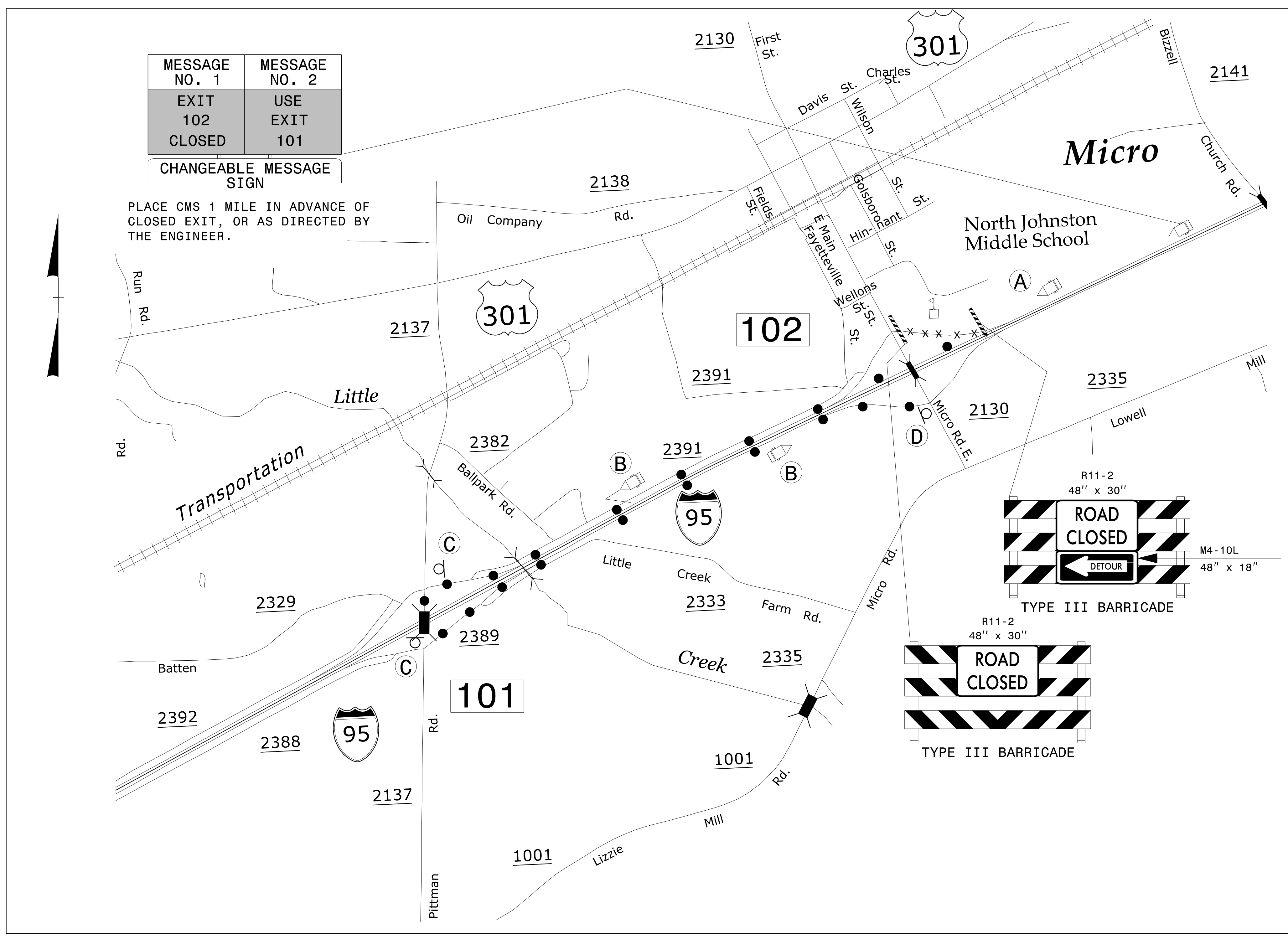
WORK ZONE TRAFFIC CONTROL

DETOUR

ON-RAMP CLOSED

FROM MICRO ROAD

TO I-95 (-L-) SB



MESSAGE NO. 1	MESSAGE NO. 2
EXIT 102 CLOSED	USE EXIT 101

CHANGEABLE MESSAGE SIGN

PLACE CMS 1 MILE IN ADVANCE OF CLOSED EXIT, OR AS DIRECTED BY THE ENGINEER.

DETOUR SIGNING

MESSAGE NO. 1	MESSAGE NO. 2
EXIT 102 CLOSED	USE NEXT EXIT

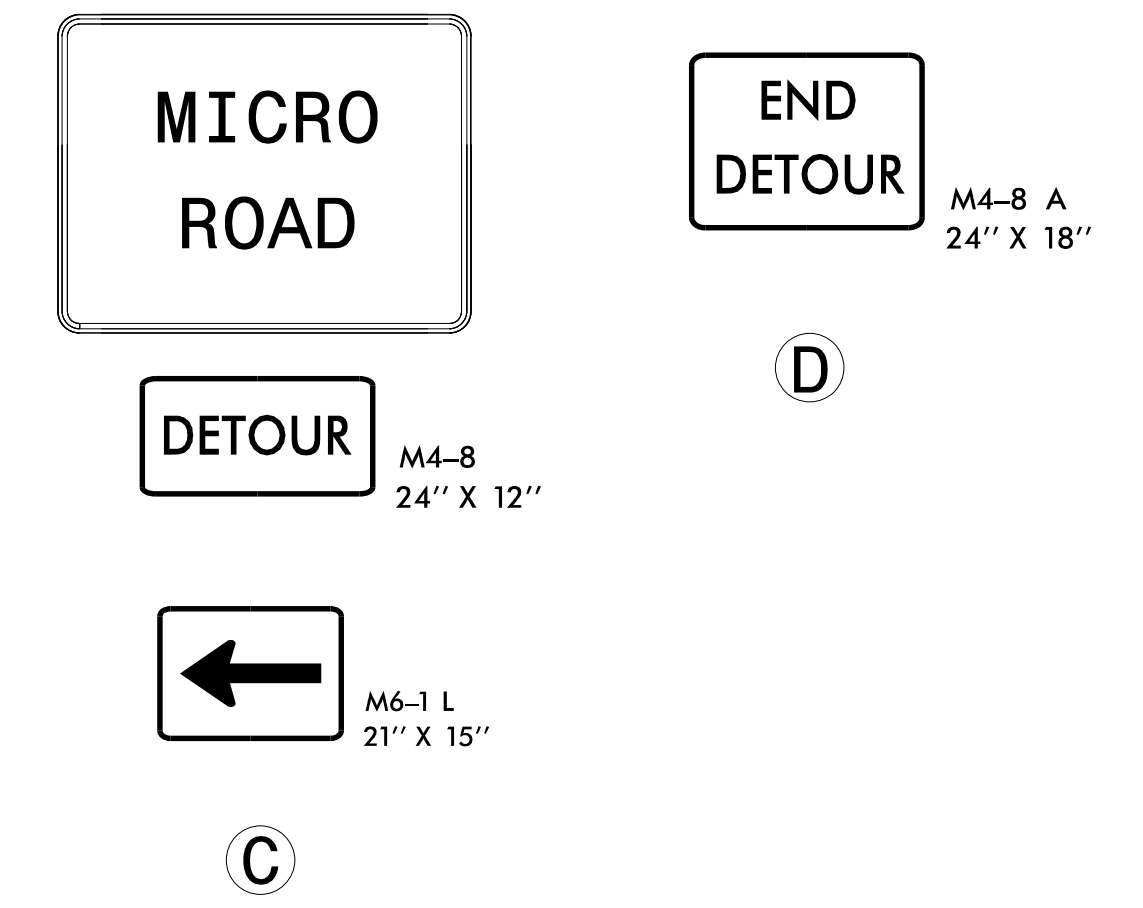
CHANGEABLE MESSAGE SIGN

PLACE CMS 1,000' IN ADVANCE OF OFF-RAMP TAPER, OR AS DIRECTED BY THE ENGINEER.

MESSAGE NO. 1	MESSAGE NO. 2
MICRO ROAD DETOUR	USE THIS EXIT

CHANGEABLE MESSAGE SIGN

PLACE CMS 1,000' IN ADVANCE OF OFF-RAMP TAPER, OR AS DIRECTED BY THE ENGINEER.

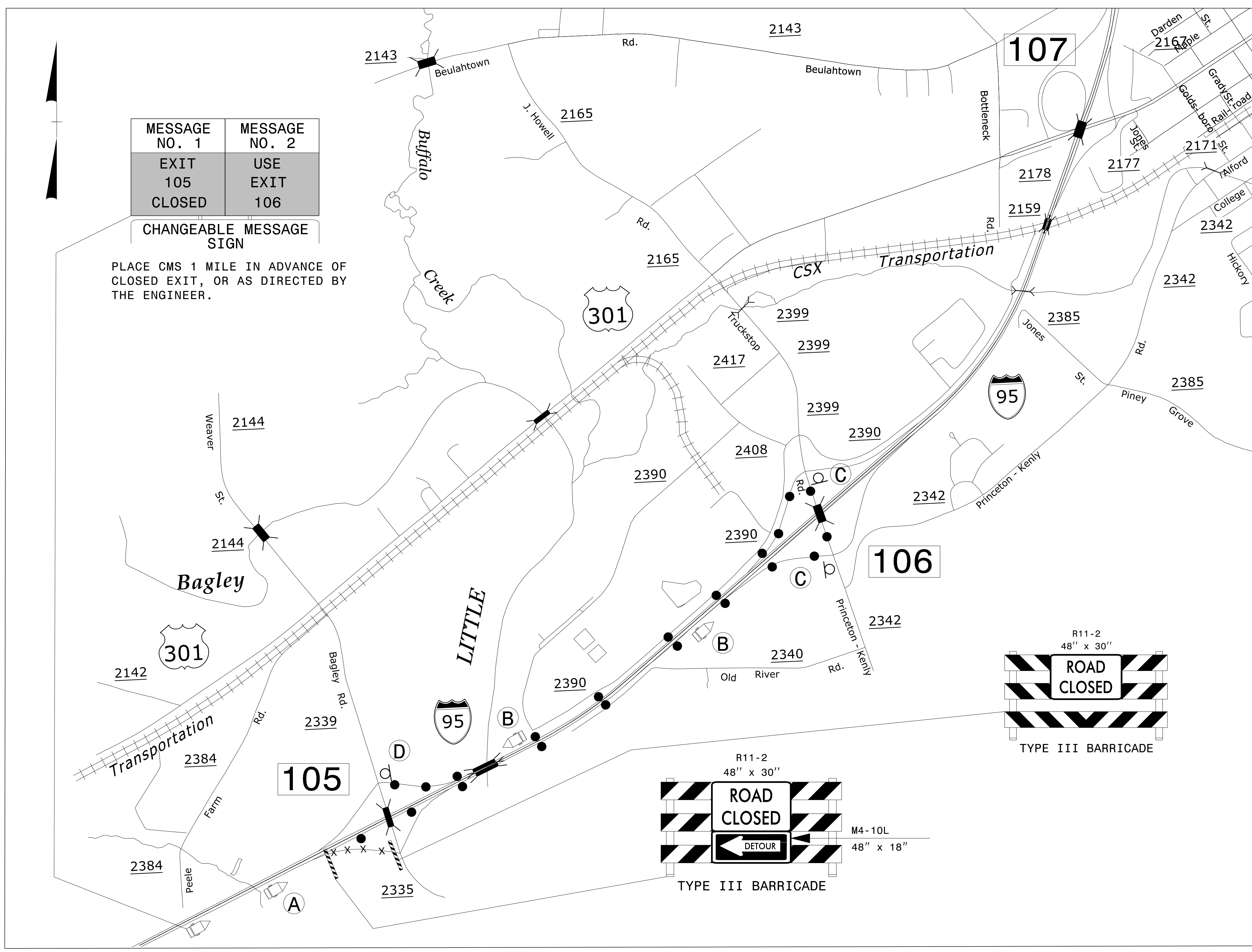


NOTES: SEE TMP-2A FOR "MICRO ROAD" SPECIAL SIGN DESIGN.
 DRUM OFF DECELERATION LANE TO CLOSED RAMP.
 ALL DETOUR SIGN LOCATIONS ARE APPROXIMATE.



DOCUMENT NOT CONSIDERED FINAL
 UNLESS ALL SIGNATURES COMPLETED

<p>TRANSPORTATION PLANNING/DESIGN - BRIDGE/STRUCTURE DESIGN CIVIL/SITE DESIGN - GIS/GPS - CONSTRUCTION OBSERVATION</p>	1223 Jones Franklin Rd. Raleigh, N.C. 27606 License No. F-0377 Bus: 919 851 8077 Fax: 919 851 8107	APPROVED: _____ DATE: _____ 6/5/2017		DETOUR I-95 (-L-) SB EXIT 102 CLOSED TO MICRO ROAD



MESSAGE NO. 1	MESSAGE NO. 2
EXIT 105 CLOSED	USE EXIT 106

CHANGEABLE MESSAGE SIGN
PLACE CMS 1 MILE IN ADVANCE OF CLOSED EXIT, OR AS DIRECTED BY THE ENGINEER.

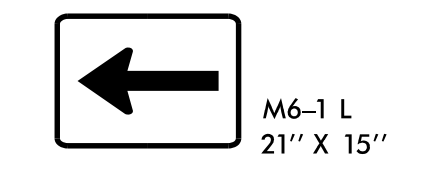
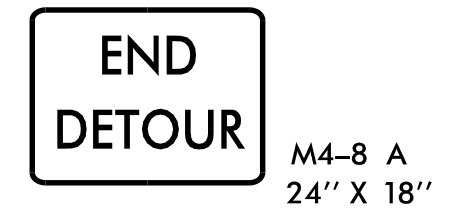
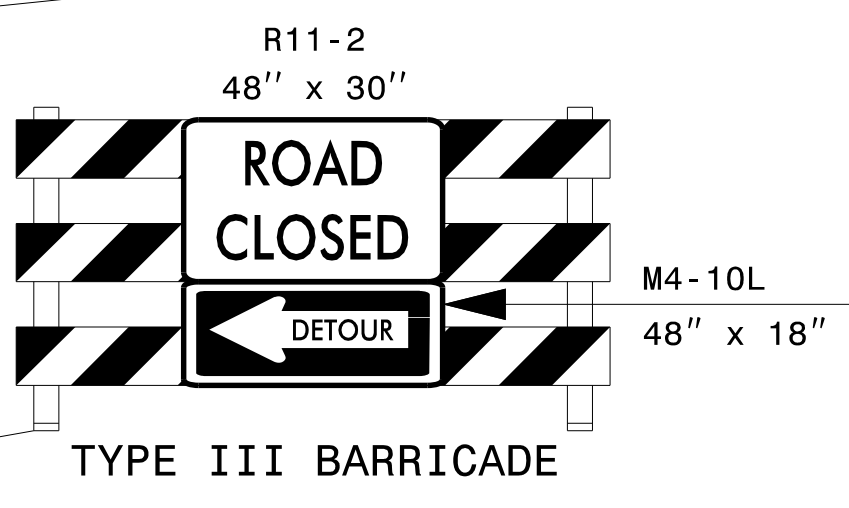
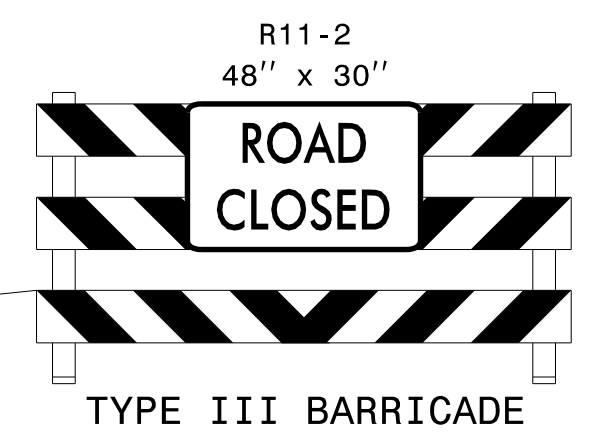
DETOUR SIGNING

MESSAGE NO. 1	MESSAGE NO. 2
EXIT 105 CLOSED	USE NEXT EXIT

CHANGEABLE MESSAGE SIGN
PLACE CMS 1,000' IN ADVANCE OF OFF-RAMP TAPER, OR AS DIRECTED BY THE ENGINEER.

MESSAGE NO. 1	MESSAGE NO. 2
BAGLEY ROAD DETOUR	USE THIS EXIT

CHANGEABLE MESSAGE SIGN
PLACE CMS 1,000' IN ADVANCE OF OFF-RAMP TAPER, OR AS DIRECTED BY THE ENGINEER.



NOTES: SEE TMP-2B FOR "BAGLEY ROAD" SPECIAL SIGN DESIGN.
DRUM OFF DECELERATION LANE TO CLOSED RAMP.
ALL DETOUR SIGN LOCATIONS ARE APPROXIMATE.



DOCUMENT NOT CONSIDERED FINAL
UNLESS ALL SIGNATURES COMPLETED

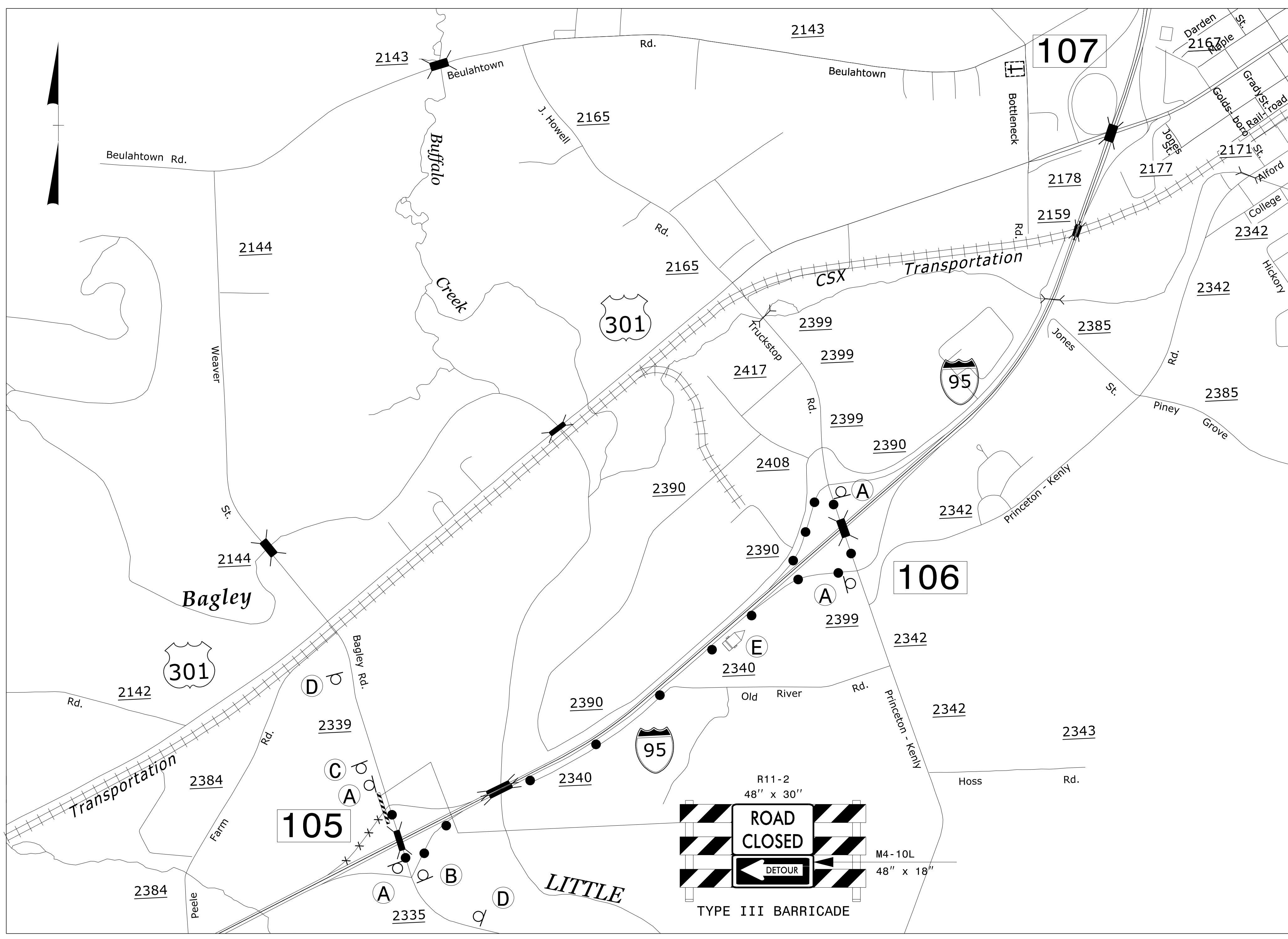
WETHERILL ENGINEERING
TRANSPORTATION PLANNING/DESIGN - BRIDGE/STRUCTURE DESIGN
CIVIL/SITE DESIGN - GIS/GPS - CONSTRUCTION OBSERVATION

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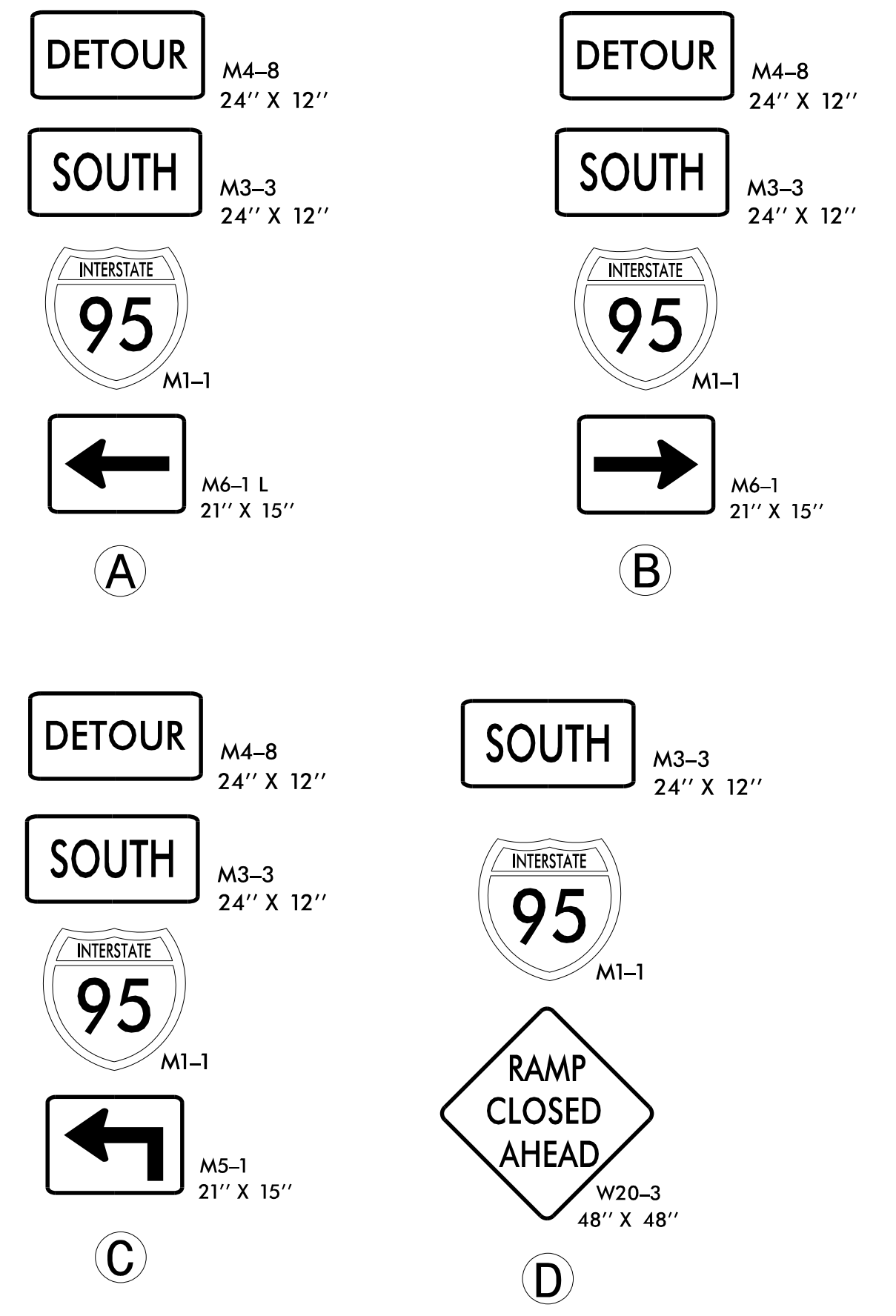
APPROVED: _____ DATE: _____
6/5/2017
SEAL
NORTH CAROLINA PROFESSIONAL ENGINEER
SEAL 21116
BOB A. MAY
Developed by: Bob A. May

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

DETOUR
I-95 (-L-) NB
EXIT 105 CLOSED TO
BAGLEY ROAD



DETOUR SIGNING



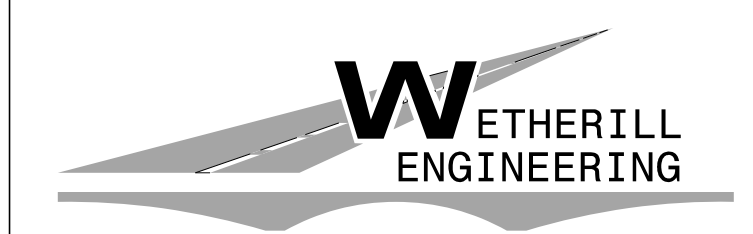
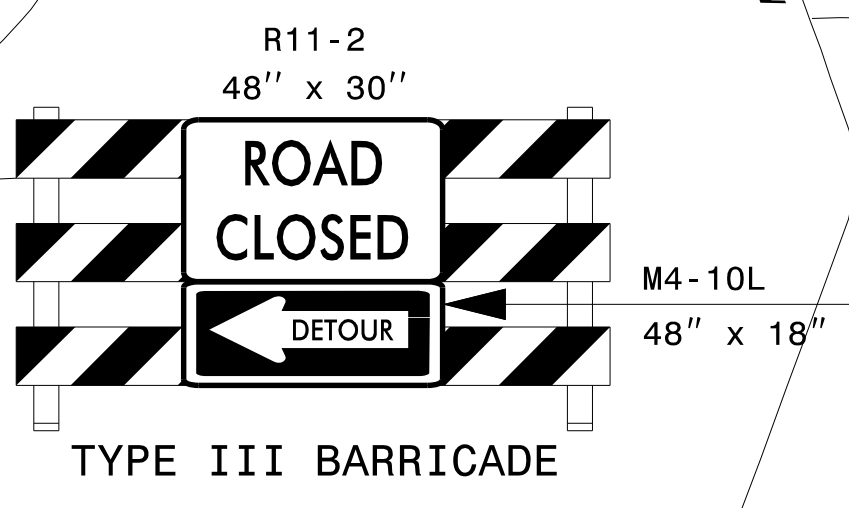
MESSAGE NO. 1	MESSAGE NO. 2
DETOUR	USE
SOUTH	THIS
I-95	EXIT

CHANGEABLE MESSAGE SIGN

PLACE CMS 1,000' IN ADVANCE OF OFF-RAMP TAPER, OR AS DIRECTED BY THE ENGINEER.

NOTES: ALL DETOUR SIGN LOCATIONS ARE APPROXIMATE.

DETOUR ROUTE ●—●—●



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 Fax: 919 851 8107

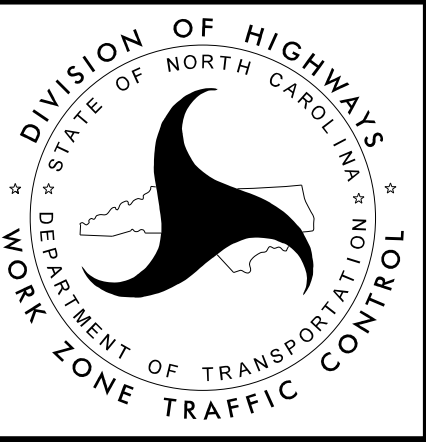
TRANSPORTATION PLANNING/DESIGN - BRIDGE/STRUCTURE DESIGN
 CIVIL/SITE DESIGN - GIS/GPS - CONSTRUCTION OBSERVATION

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

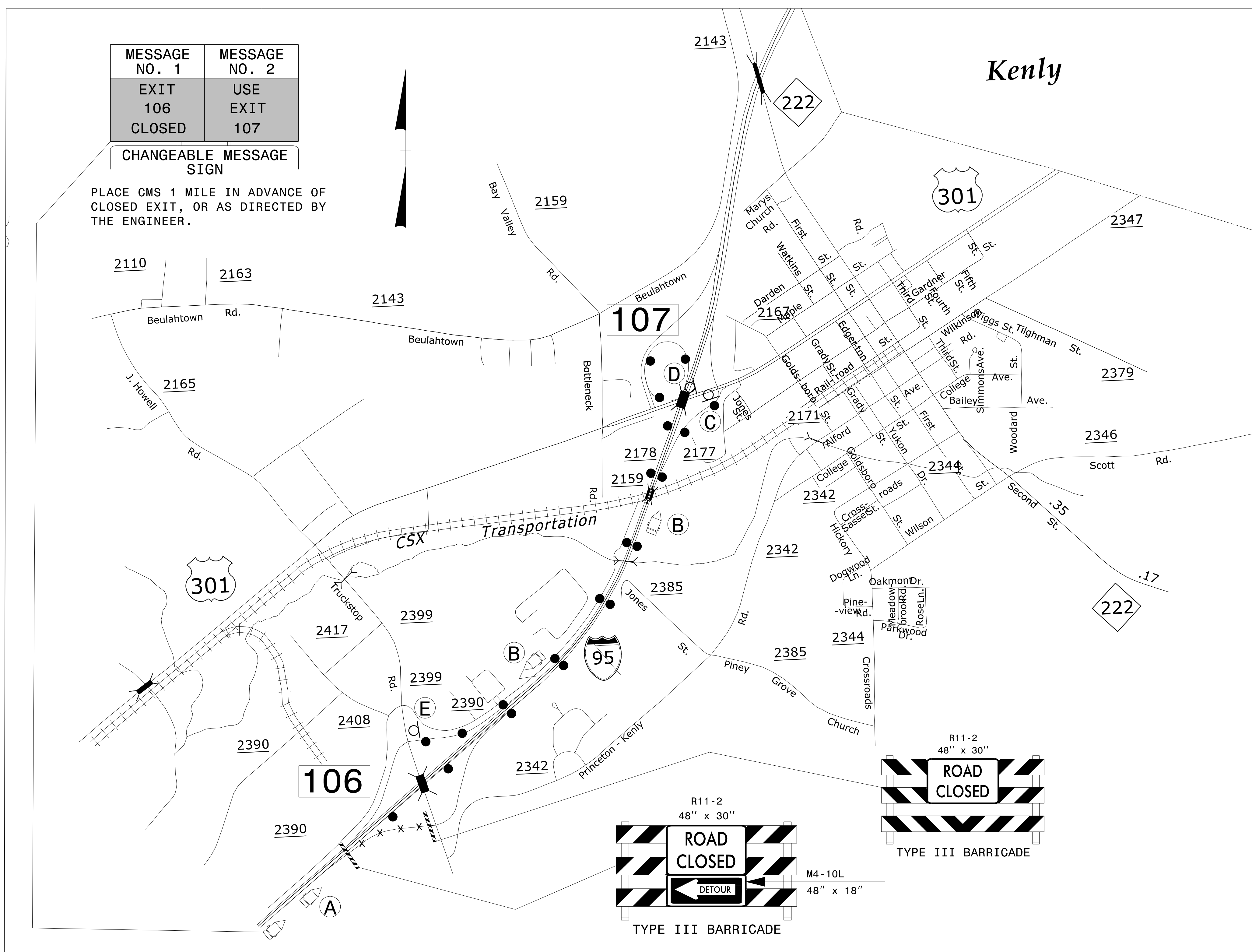
APPROVED: _____ DATE: _____

6/5/2017

SEAL



**DETOUR
 ON-RAMP CLOSED
 FROM BAGLEY ROAD
 TO I-95 (-L-) SB**



MESSAGE NO. 1	MESSAGE NO. 2
EXIT 106	USE EXIT 107
CLOSED	

CHANGEABLE MESSAGE SIGN
 PLACE CMS 1 MILE IN ADVANCE OF CLOSED EXIT, OR AS DIRECTED BY THE ENGINEER.

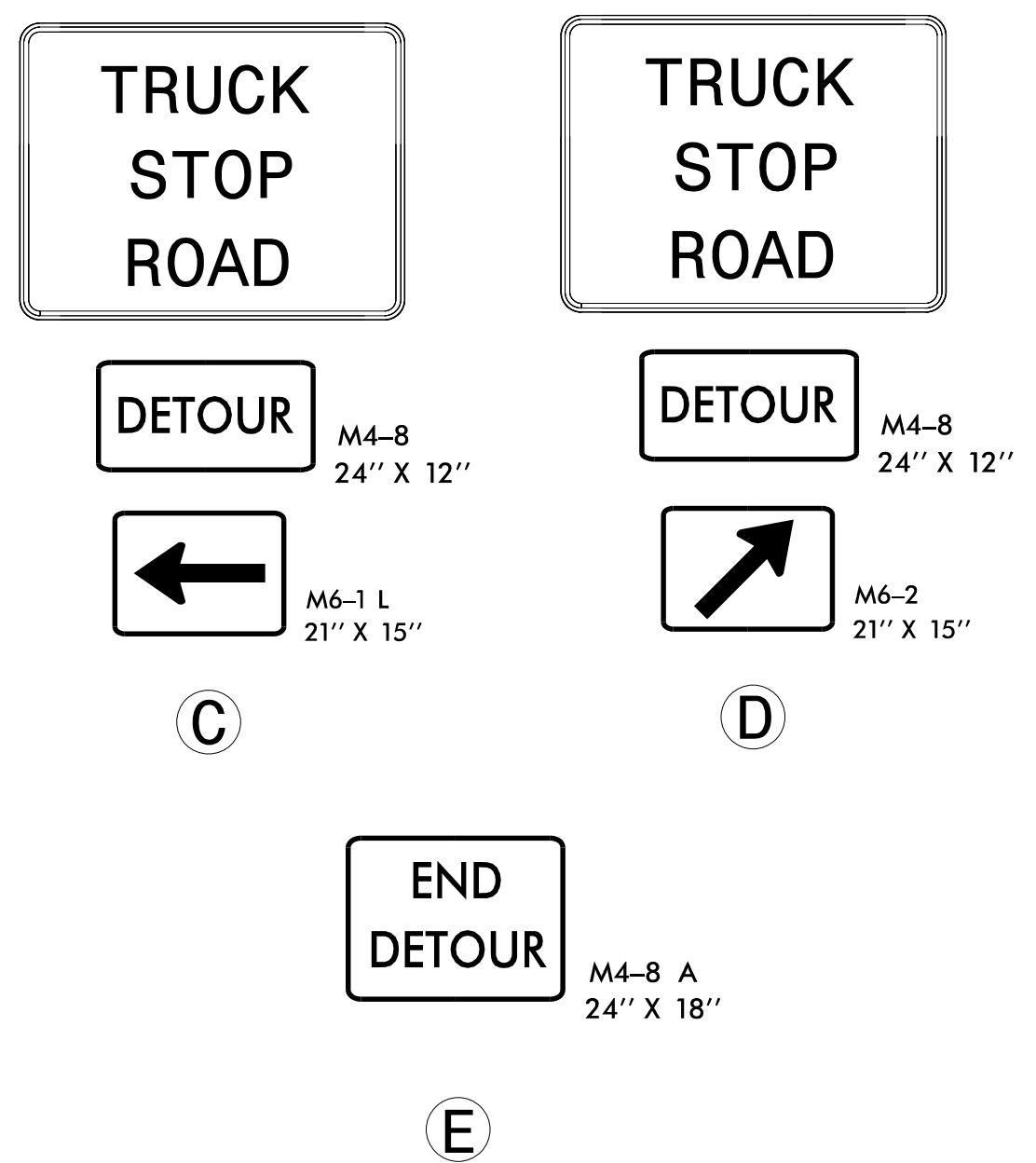
DETOUR SIGNING

MESSAGE NO. 1	MESSAGE NO. 2
EXIT 106	USE NEXT EXIT
CLOSED	

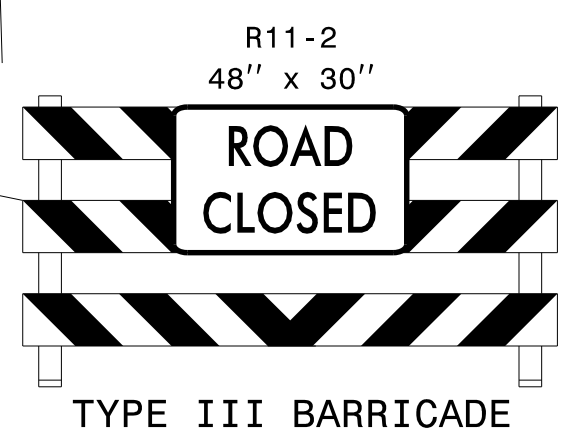
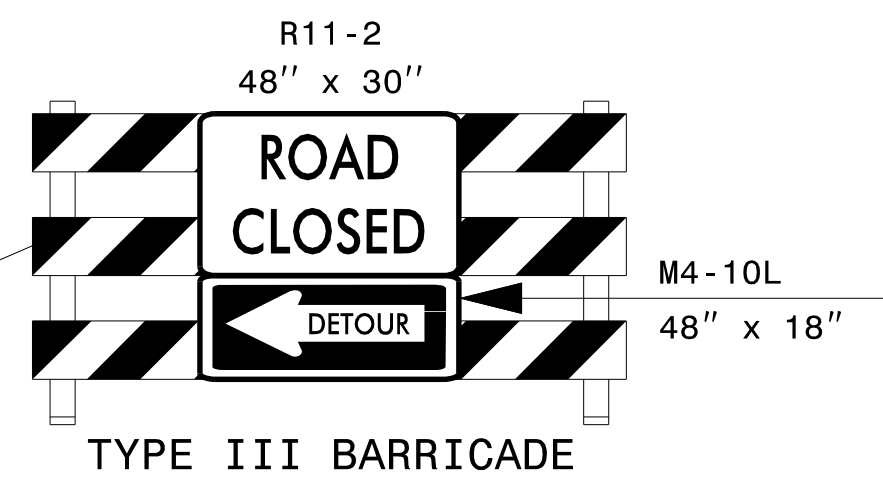
CHANGEABLE MESSAGE SIGN
 PLACE CMS 1,000' IN ADVANCE OF OFF-RAMP TAPER, OR AS DIRECTED BY THE ENGINEER.

MESSAGE NO. 1	MESSAGE NO. 2
TRUCK STOP RD	USE THIS EXIT
DETOUR	

CHANGEABLE MESSAGE SIGN
 PLACE CMS 1,000' IN ADVANCE OF OFF-RAMP TAPER, OR AS DIRECTED BY THE ENGINEER.



NOTES: SEE TMP-2B FOR "TRUCK STOP ROAD" SPECIAL SIGN DESIGN.
 DRUM OFF DECELERATION LANE TO CLOSED RAMP.
 ALL DETOUR SIGN LOCATIONS ARE APPROXIMATE.



DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED

WETHERILL ENGINEERING
 TRANSPORTATION PLANNING/DESIGN - BRIDGE/STRUCTURE DESIGN
 CIVIL/SITE DESIGN - GIS/GPS - CONSTRUCTION OBSERVATION

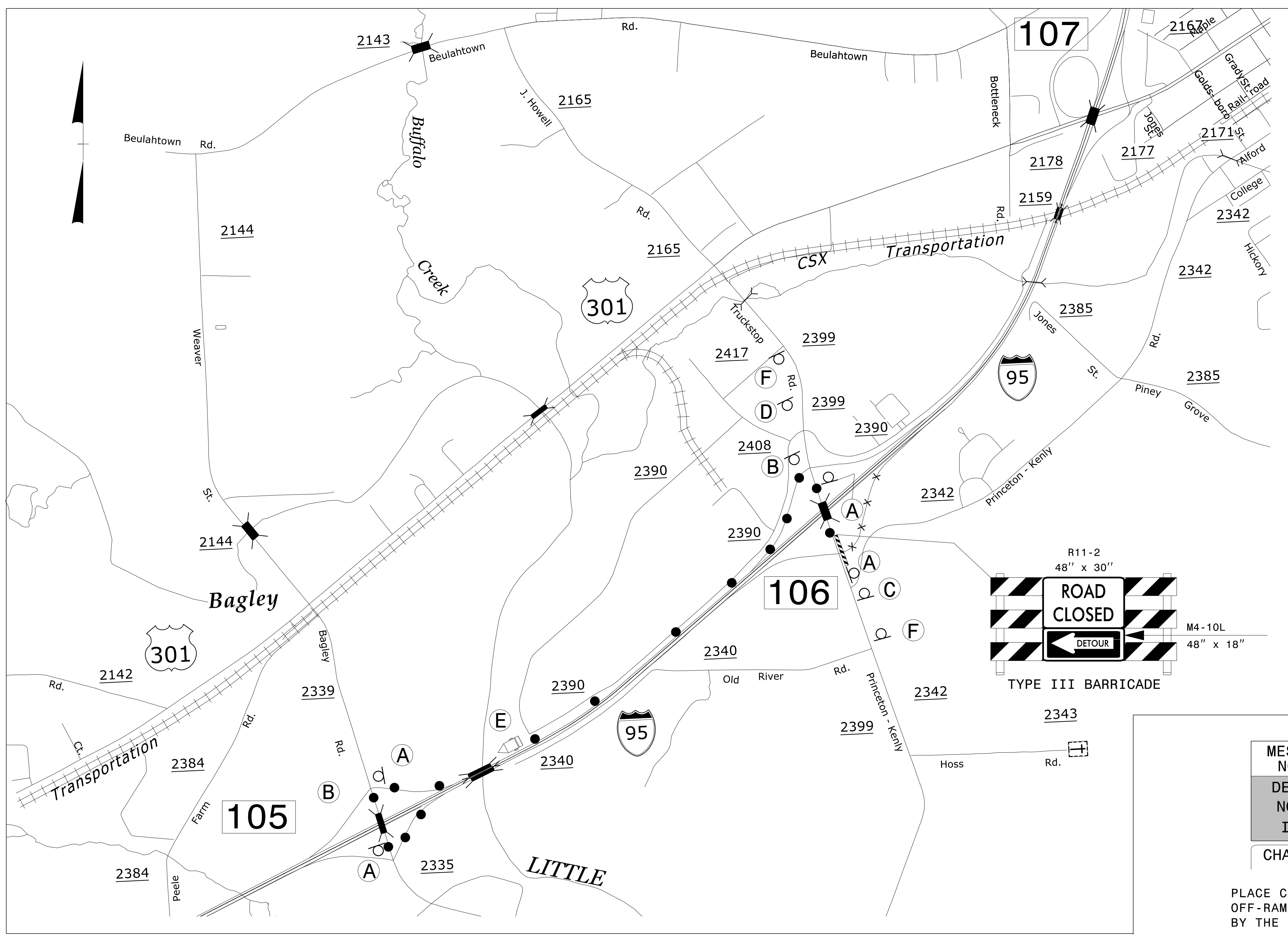
1223 Jones Franklin Rd.
 Raleigh, N.C. 27606
 License No. F-0377
 Bus: 919 851 8077
 Fax: 919 851 8107

APPROVED: _____ DATE: 6/5/2017

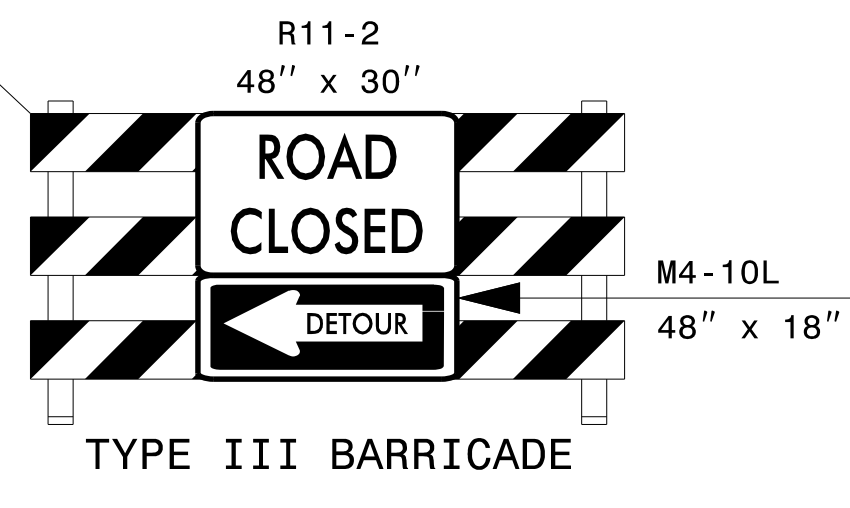
SEAL
 NORTH CAROLINA PROFESSIONAL ENGINEER
 SEAL 21116
 BOB A. MAY

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

DETOUR
I-95 (-L-) NB
EXIT 106 CLOSED TO
TRUCK STOP ROAD



DETOUR SIGNING



MESSAGE NO. 1	MESSAGE NO. 2
DETOUR NORTH I-95	USE THIS EXIT

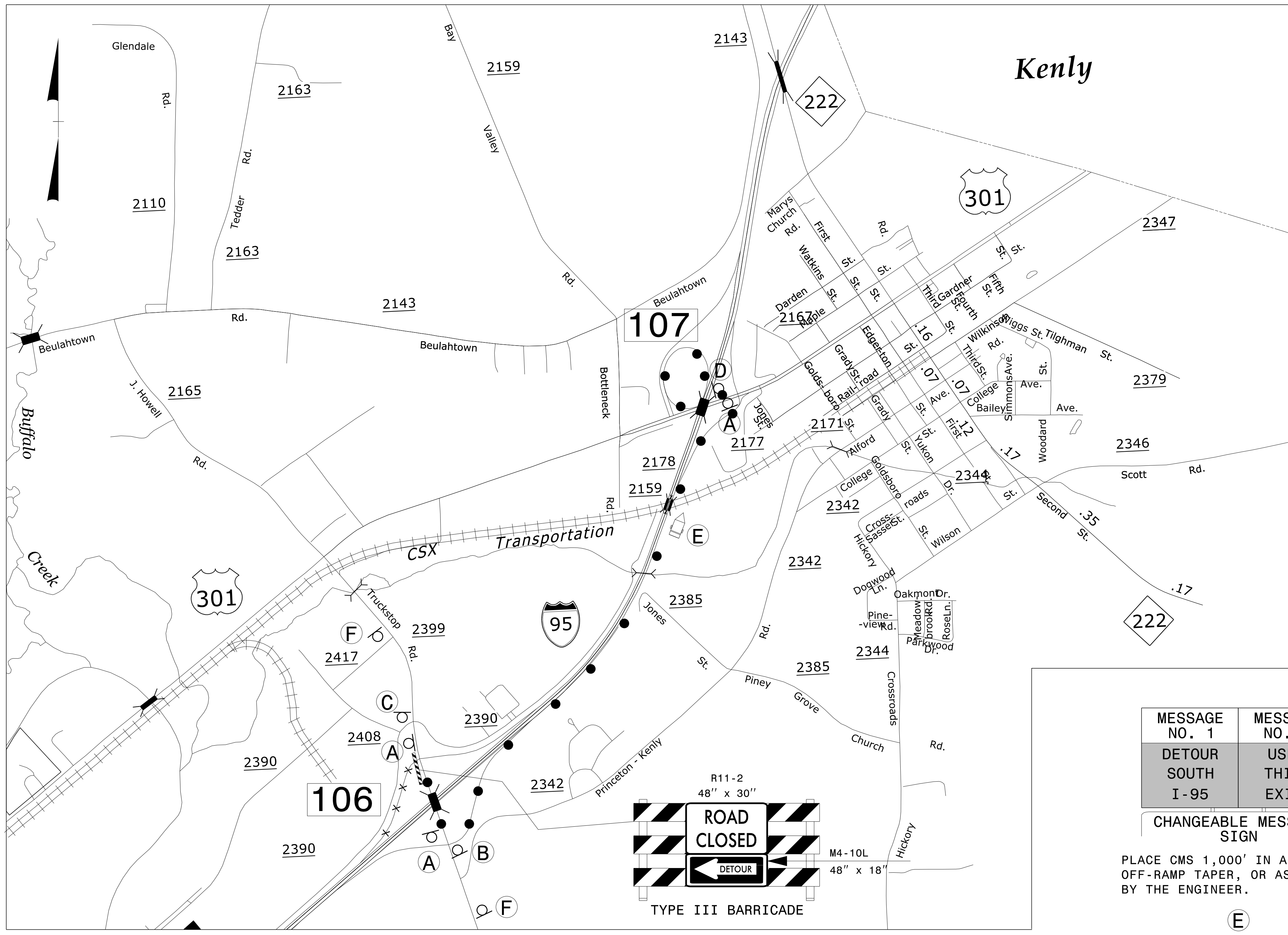
CHANGEABLE MESSAGE SIGN

PLACE CMS 1,000' IN ADVANCE OF OFF-RAMP TAPER, OR AS DIRECTED BY THE ENGINEER.

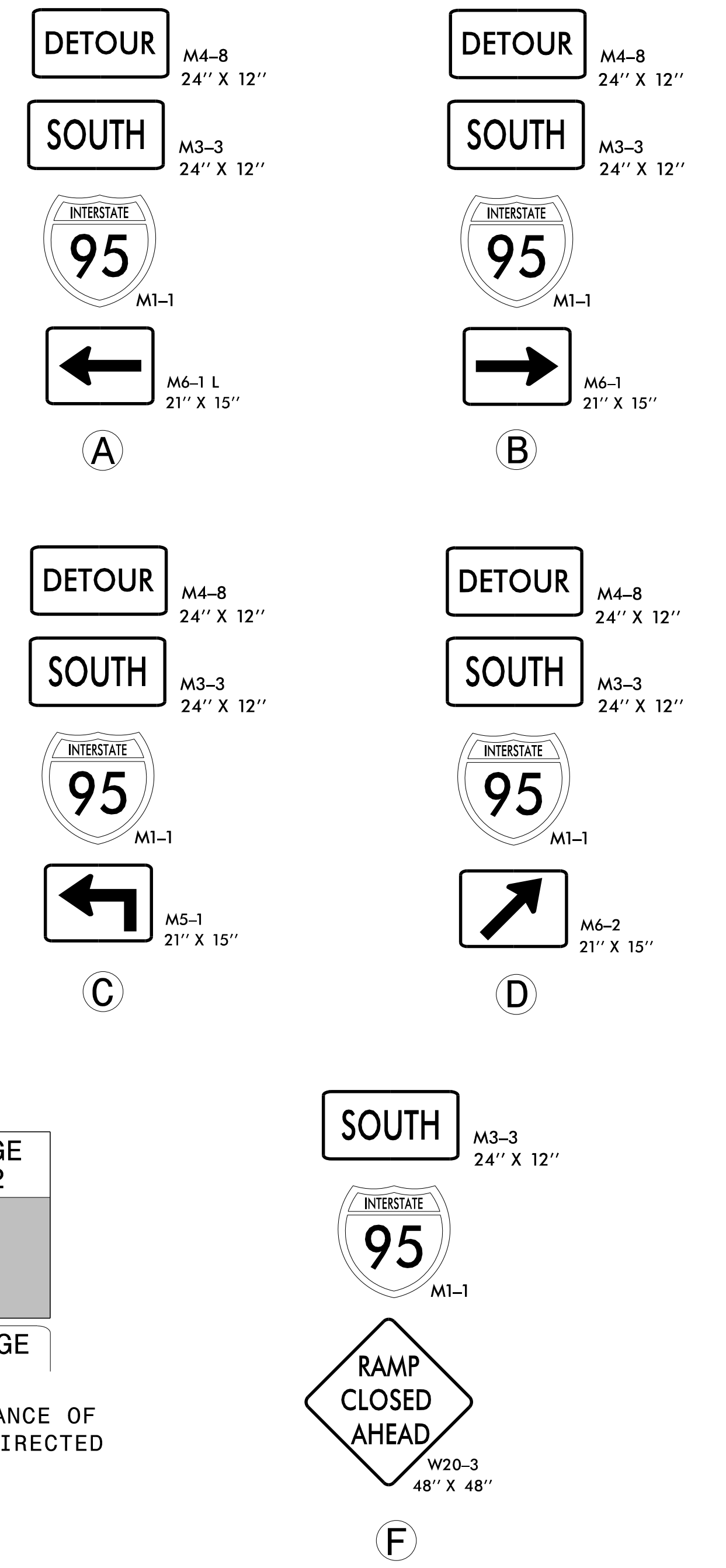
NOTES: ALL DETOUR SIGN LOCATIONS ARE APPROXIMATE.



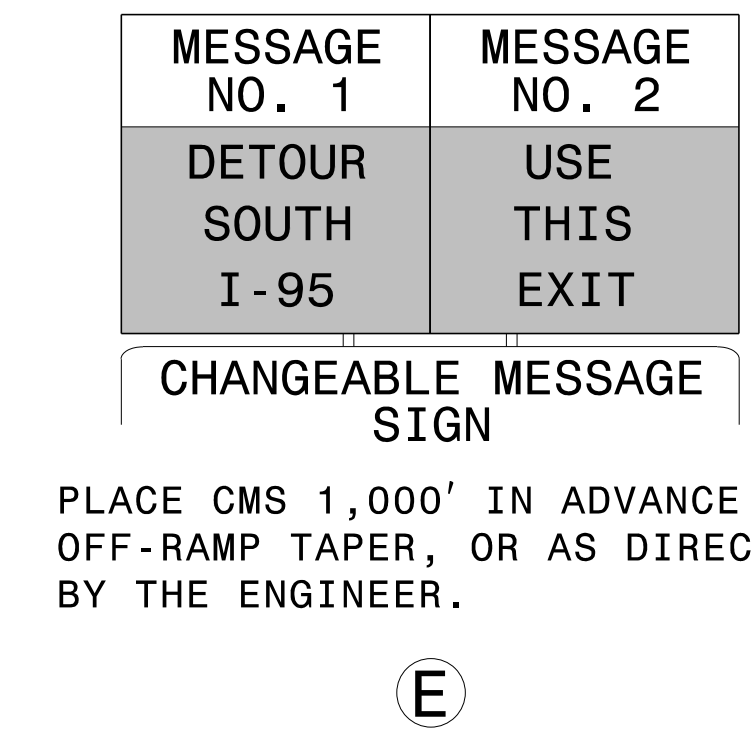
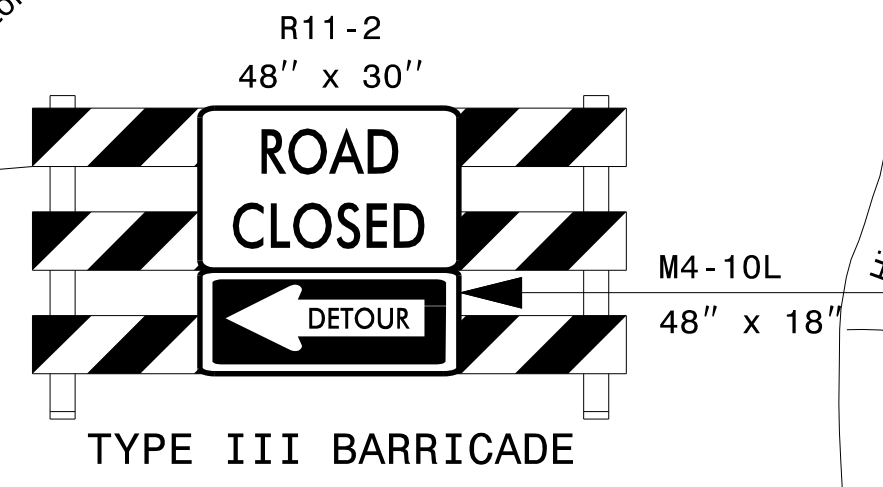
<p>WEATHERILL ENGINEERING</p> <p>TRANSPORTATION PLANNING/DESIGN - BRIDGE/STRUCTURE DESIGN CIVIL/SITE DESIGN - GIS/GPS - CONSTRUCTION OBSERVATION</p>	<p>1223 Jones Franklin Rd. Raleigh, N.C. 27606 License No. F-0377 Bus: 919 851 8077 Fax: 919 851 8107</p>	<p>APPROVED: </p>	<p>DATE: _____</p>		<p>DETOUR ON-RAMP CLOSED FROM TRUCK STOP ROAD TO I-95 (-L-) NB</p>
	<p>DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED</p>		<p>PLACE CMS 1,000' IN ADVANCE OF OFF-RAMP TAPER, OR AS DIRECTED BY THE ENGINEER.</p>		



DETOUR SIGNING



NOTES: ALL DETOUR SIGN LOCATIONS ARE APPROXIMATE.



WETHERILL ENGINEERING

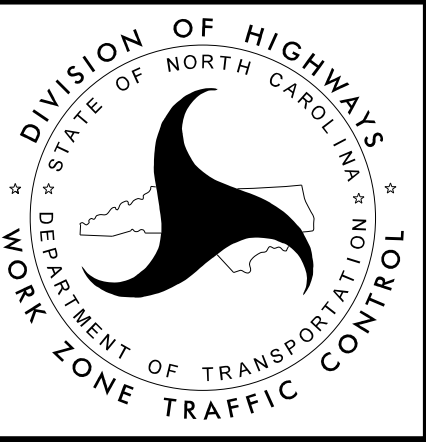
1223 Jones Franklin Rd.
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 Fax: 919 851 8107

TRANSPORTATION PLANNING/DESIGN - BRIDGE/STRUCTURE DESIGN
 CIVIL/SITE DESIGN - GIS/GPS - CONSTRUCTION OBSERVATION

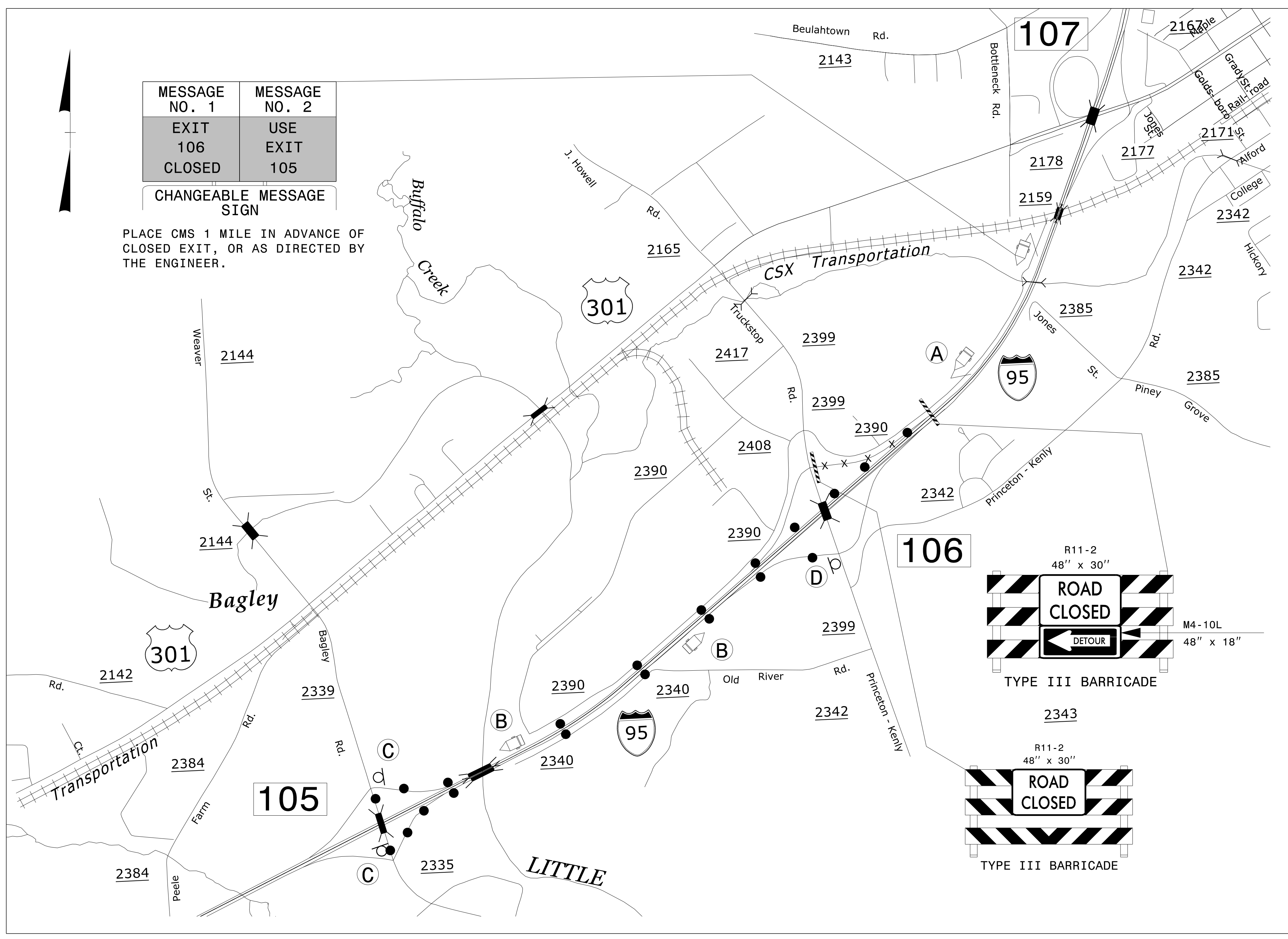
**DOCUMENT NOT CONSIDERED FINAL
 UNLESS ALL SIGNATURES COMPLETED**

APPROVED: [Signature] DATE: 6/5/2017

SEAL: [Professional Engineer Seal for Bob A. May, License No. 21116]



**DETOUR
 ON-RAMP CLOSED
 FROM TRUCK STOP ROAD
 TO I-95 (-L-) SB**



MESSAGE NO. 1	MESSAGE NO. 2
EXIT 106 CLOSED	USE EXIT 105

CHANGEABLE MESSAGE SIGN

PLACE CMS 1 MILE IN ADVANCE OF CLOSED EXIT, OR AS DIRECTED BY THE ENGINEER.

DETOUR SIGNING

MESSAGE NO. 1	MESSAGE NO. 2
EXIT 106 CLOSED	USE NEXT EXIT

CHANGEABLE MESSAGE SIGN

PLACE CMS 1,000' IN ADVANCE OF OFF-RAMP TAPER, OR AS DIRECTED BY THE ENGINEER.

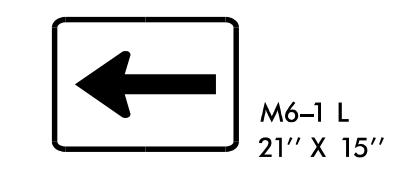
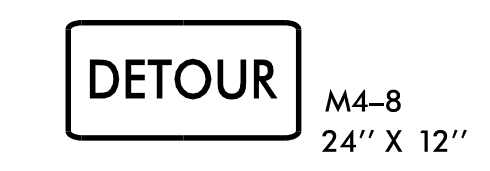
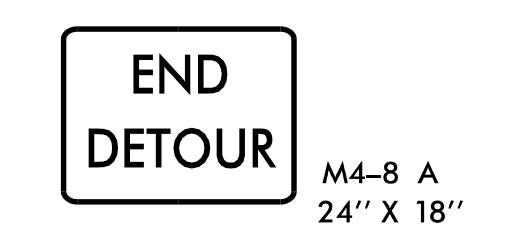
(A)

MESSAGE NO. 1	MESSAGE NO. 2
TRUCK STOP RD DETOUR	USE THIS EXIT

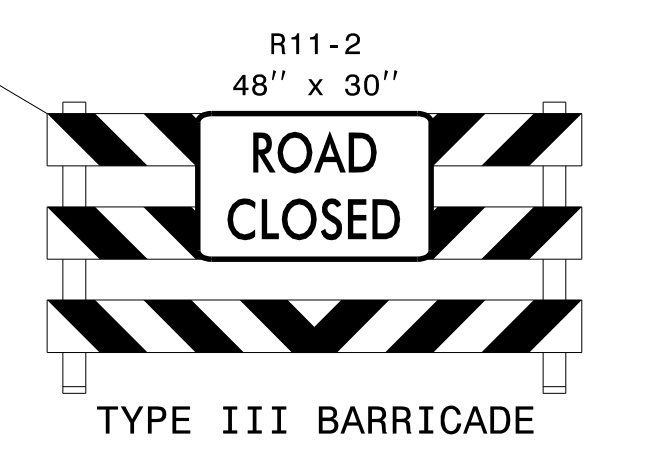
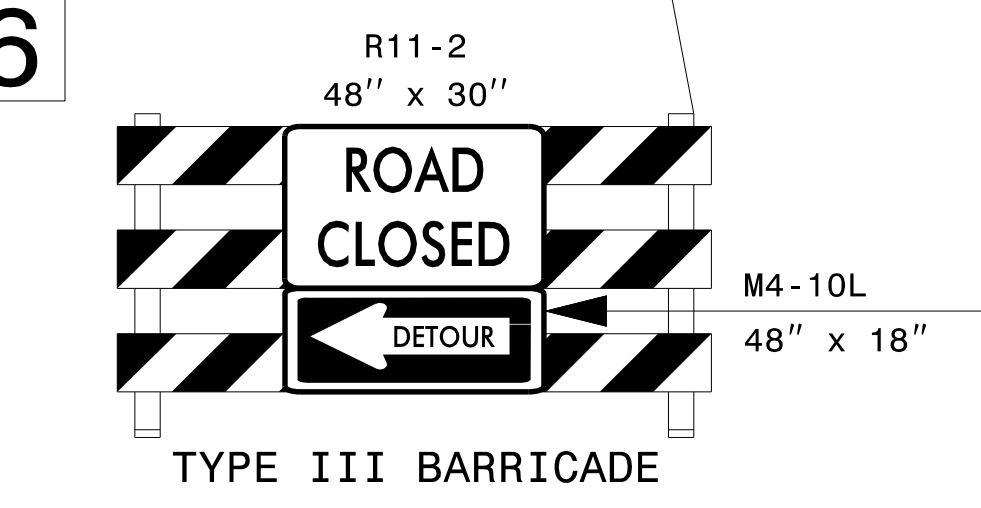
CHANGEABLE MESSAGE SIGN

PLACE CMS 1,000' IN ADVANCE OF OFF-RAMP TAPER, OR AS DIRECTED BY THE ENGINEER.

(B)



(C)

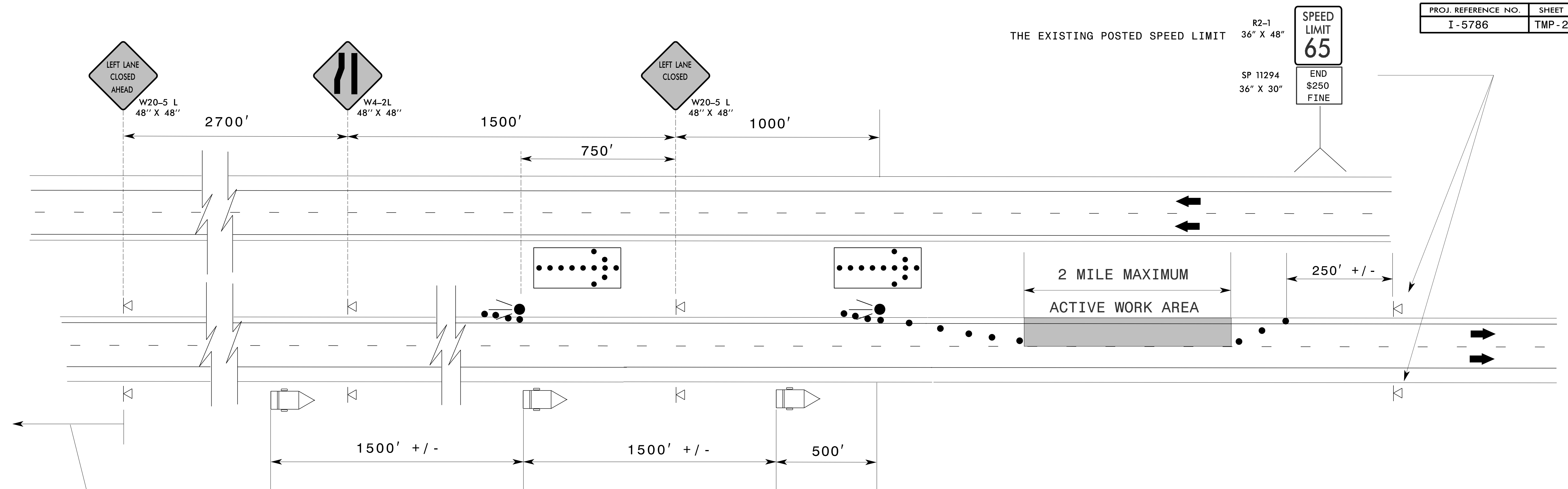


NOTES: SEE TMP-2B FOR "TRUCK STOP ROAD" SPECIAL SIGN DESIGN.
 DRUM OFF DECELERATION LANE TO CLOSED RAMP.
 ALL DETOUR SIGN LOCATIONS ARE APPROXIMATE.



DOCUMENT NOT CONSIDERED FINAL
 UNLESS ALL SIGNATURES COMPLETED

<p>TRANSPORTATION PLANNING/DESIGN - BRIDGE/STRUCTURE DESIGN CIVIL/SITE DESIGN - GIS/GPS - CONSTRUCTION OBSERVATION</p>	1223 Jones Franklin Rd. Raleigh, N.C. 27606 License No. F-0377 Bus: 919 851 8077 Fax: 919 851 8107	APPROVED: _____ DATE: _____ 6/5/2017	<p>DIVISION OF HIGHWAYS DEPARTMENT OF TRANSPORTATION WORK ZONE TRAFFIC CONTROL</p>	DETOUR I-95 (-L-) SB EXIT 106 CLOSED TO TRUCK STOP ROAD



SEE R.S.D 1101.02, SHEET 4 OF 15 FOR ADDITIONAL DEVICES FOR LANE CLOSURES

MESSAGE NO. 1	MESSAGE NO. 2
55 MPH ZONE AHEAD	\$250 FINE AHEAD

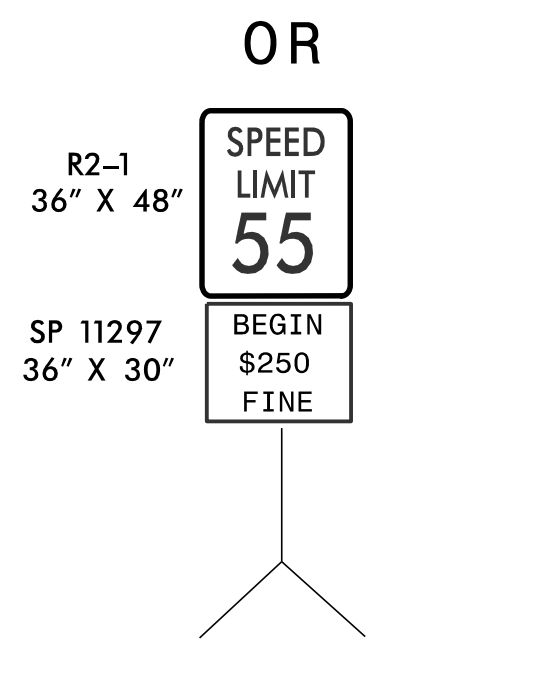
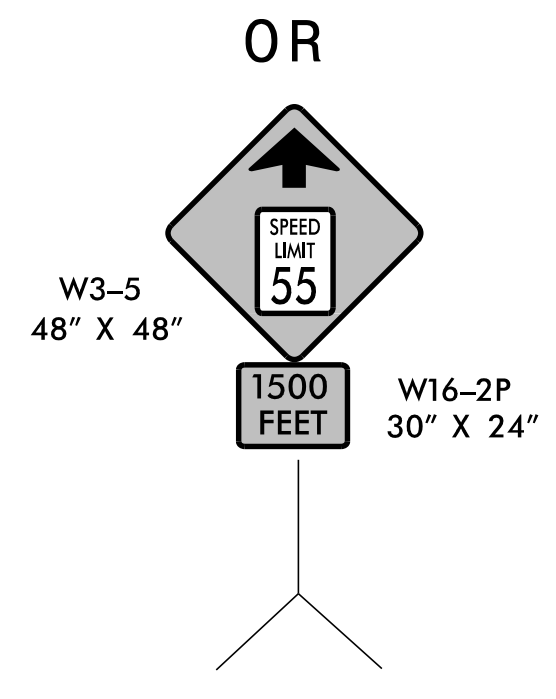
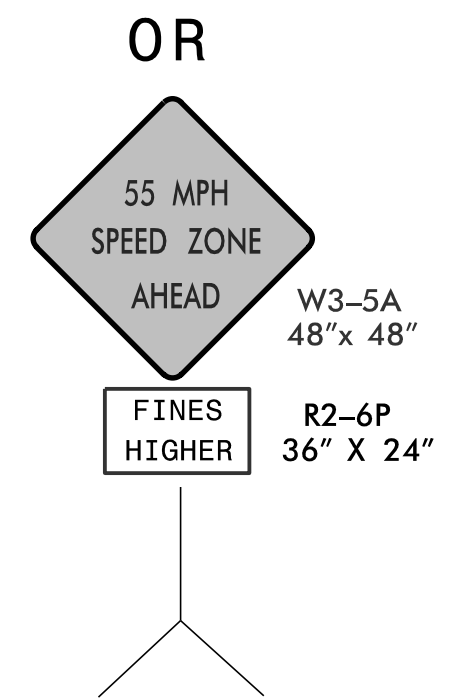
CHANGEABLE MESSAGE SIGN

MESSAGE NO. 1	MESSAGE NO. 2
BEGIN 55 MPH 1500 FT	WORKERS IN ROADWAY

CHANGEABLE MESSAGE SIGN

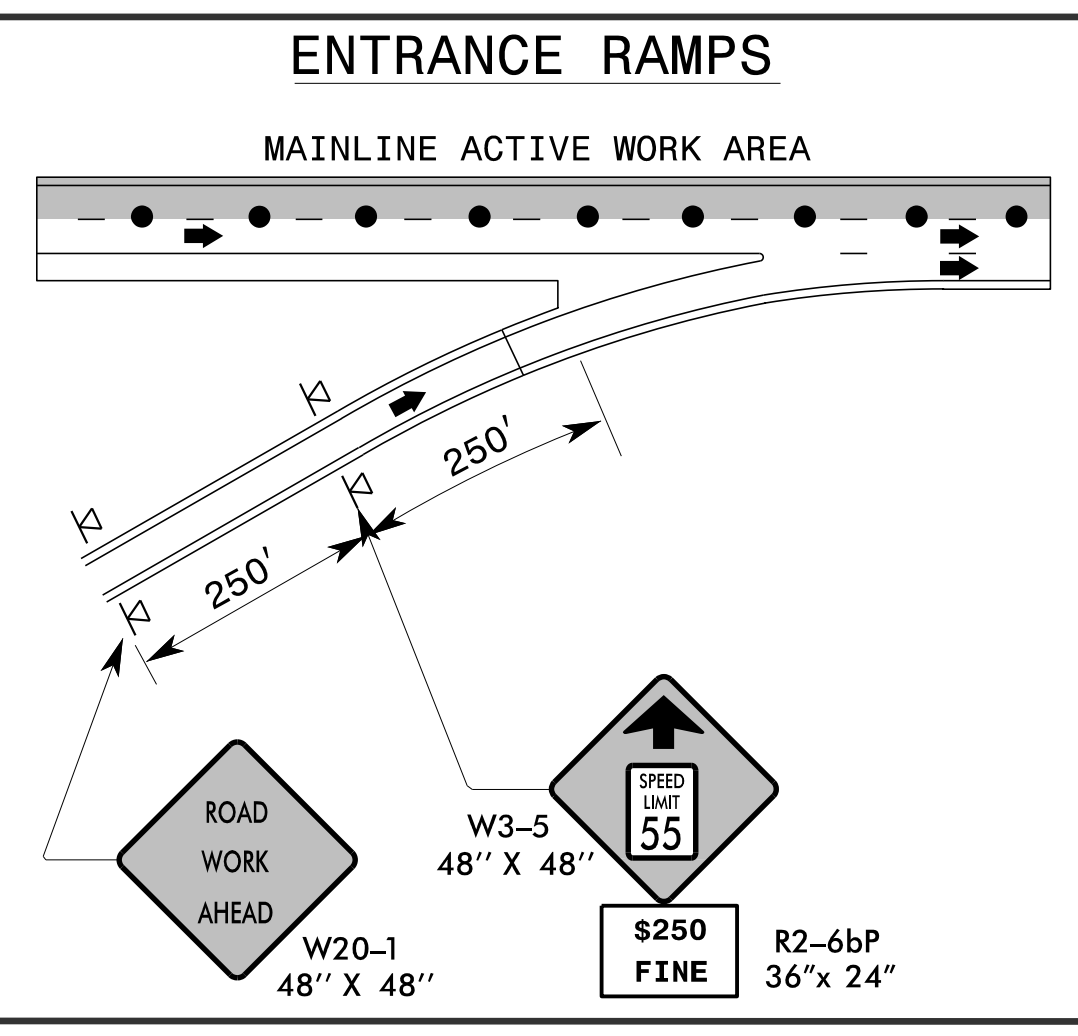
MESSAGE NO. 1	MESSAGE NO. 2
SPEED LIMIT 55	BEGIN \$250 FINE

CHANGEABLE MESSAGE SIGN



GUIDELINES

1. THIS DRAWING IS FOR USE ONLY AFTER AN ENGINEERING INVESTIGATION HAS BEEN PERFORMED BY THE REGIONAL TRAFFIC ENGINEER AND WORK ZONE TRAFFIC CONTROL SECTION. THE WORK ZONE "VARIABLE" SPEED LIMIT IS INTENDED FOR USE ON FREEWAYS WITH SPEED LIMITS 65 MPH OR GREATER. SEE WORK ZONE "VARIABLE" SPEED LIMIT GUIDELINES FOR CRITERIA.
2. THE STATE TRAFFIC ENGINEER HAS TO ORDINANCE THE SPEED LIMIT REDUCTION IN ORDER FOR THE REDUCTION AND/OR \$250 SPEEDING FINE TO BE VALID AND ENFORCEABLE. NO SPEED LIMIT MESSAGE/SIGNS SHALL BE INSTALLED PRIOR TO RECEIVING A SIGNED ORDINANCE. IN ADDITION, THE \$250 SPEEDING FINE ALSO REQUIRES A SEPARATE SIGNED ORDINANCE BY THE STATE TRAFFIC ENGINEER.
3. EACH DIRECTION OF THE PROJECT IS TO BE EVALUATED FOR THE WORK ZONE "VARIABLE" SPEED LIMIT REDUCTION. THIS DRAWING INTENTIONALLY HAS 1 DIRECTION SIGNED AS A REMINDER TO CAREFULLY CONSIDER WHETHER BOTH DIRECTIONS OF THE PROJECT NEED TO HAVE THE SPEED LIMIT REDUCED.
4. THE MAXIMUM LANE CLOSURE LENGTH IS 2 MILES UNLESS OTHERWISE SHOWN IN THE PLANS. IN ADDITION, FOR ACTIVE WORK AREAS THAT EXCEED 1 MILE IN LENGTH, AN EVALUATION IS TO BE MADE TO DETERMINE IF ADDITIONAL CMS'S/SIGNS ARE NEEDED TO SUPPLEMENT THE INITIAL ONES. PORTABLE MOUNTED W3-5 SIGNS WITH SPEEDING PENALTY SIGNS ARE TO BE PLACED ALONG ENTRANCE RAMPS LOCATED WITHIN THE ACTIVE WORK AREA.
5. THE \$250 SPEEDING FINE PENALTY APPLIES FOR ALL PROJECTS THAT QUALIFY FOR A WORK ZONE "VARIABLE" SPEED LIMIT REDUCTION.
6. THIS APPLICATION IS FOR SHORT-TERM ACTIVITIES SUCH AS LANE CLOSURES AND ROAD CLOSURES. THE WORK ZONE "VARIABLE" SPEED LIMIT SHALL NOT BE IN OPERATION CONTINUOUSLY (24/7) FOR A PERIOD EXCEEDING 30 CALENDAR DAYS. THE WORK ZONE "VARIABLE" SPEED LIMIT MESSAGING/SIGNAGE SHALL BE REMOVED AT THE COMPLETION OF THE ACTIVITY. THE REGIONAL TRAFFIC ENGINEER WILL BE NOTIFIED BY THE RESIDENT ENGINEER TO RESCIND THE ORDINANCE.
7. WHEN WORK ZONE "VARIABLE" SPEED LIMIT REDUCTIONS ARE IN EFFECT, THE CONTRACTOR IS TO COVER ANY EXISTING SPEED LIMIT SIGNS LOCATED WITHIN THE ACTIVE WORK AREA THAT CONFLICT WITH THE WORK ZONE "VARIABLE" SPEED LIMIT REDUCTION.



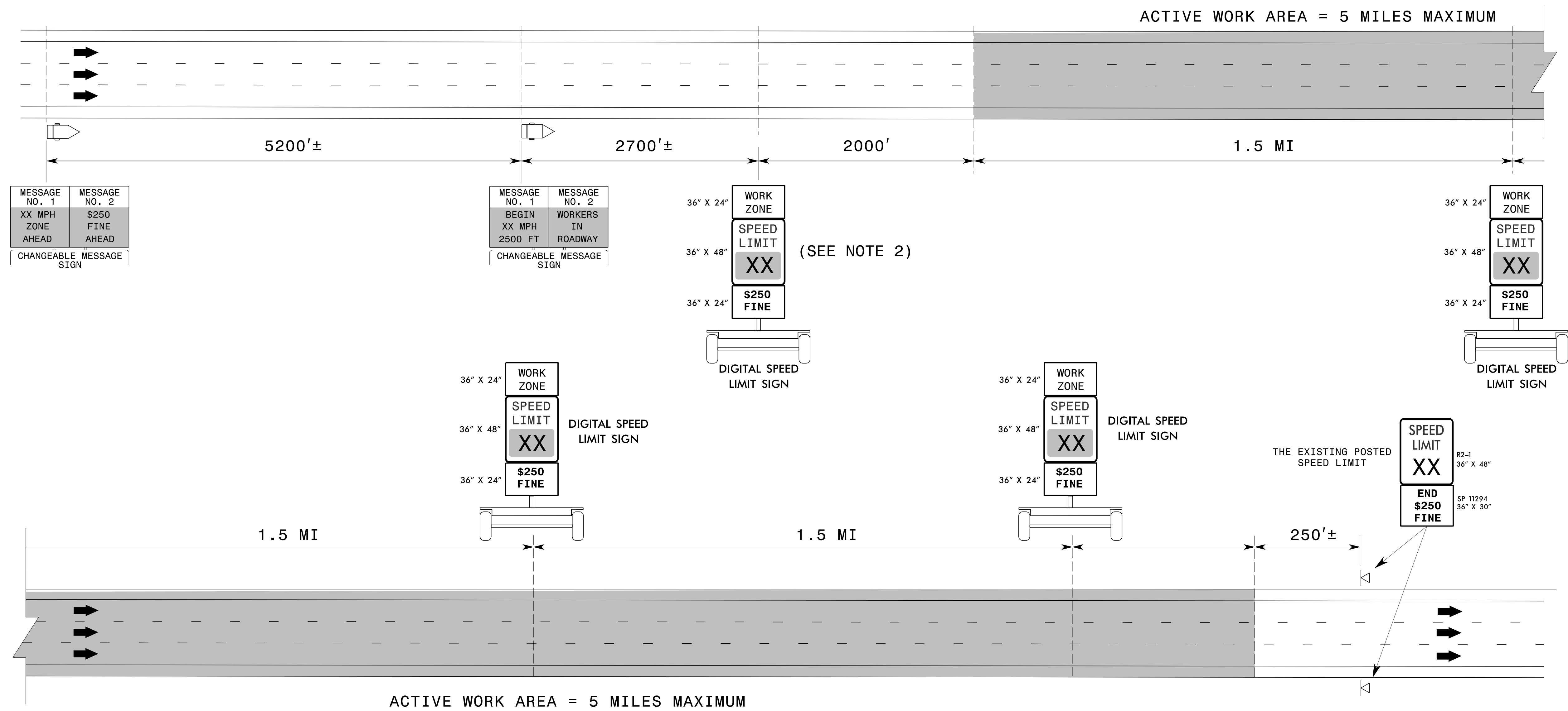
NOTES

1. THE WORK ZONE "VARIABLE" SPEED LIMIT WILL BE ESTABLISHED IN COLLABORATION BETWEEN THE REGIONAL TRAFFIC ENGINEER, THE DIVISION, AND THE WORK ZONE TRAFFIC CONTROL SECTION. THIS DRAWING SHOWS THE TYPICAL APPLICATION OF REDUCING THE SPEED LIMIT TO 55 MPH.
2. TYPICALLY THE WORK ZONE "VARIABLE" SPEED LIMIT APPLIES TO A SPECIFIC PORTION AND NOT THE ENTIRE PROJECT. THE WORK AREA AFFECTED BY THE SPEED REDUCTION SHOULD NOT EXCEED 2 MILES UNLESS THE MAXIMUM LENGTH OF LANE CLOSURE ALLOWED BY THE PLANS EXCEEDS THE 2 MILE MAXIMUM.
3. THE WORK ZONE "VARIABLE" SPEED LIMIT AND THE \$250 SPEEDING FINE IS TO BEGIN 500' IN ADVANCE OF THE FLASHING ARROW PANEL AT THE MERGE TAPER. THE EXISTING SPEED LIMIT SIGNS AND THE "END \$250 FINE" SIGNS ARE TO BE INSTALLED AT THE LOCATION WHERE THE EXISTING SPEED LIMIT IS TO RESUME.
4. THE NEED AND LOCATION OF ADDITIONAL POSTED WORK ZONE "VARIABLE" SPEED LIMIT SIGNS WITHIN THE LANE CLOSURE IS TO BE DETERMINED BY THE REGIONAL TRAFFIC ENGINEER.

APPROVED: _____ DATE: 6/5/2017

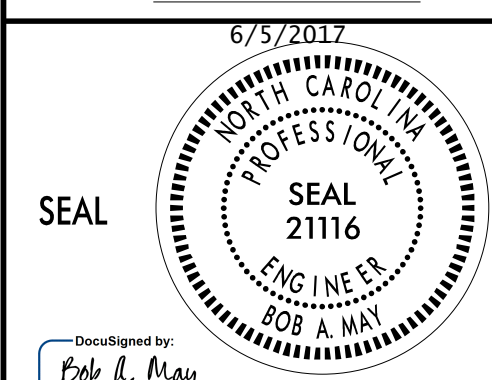
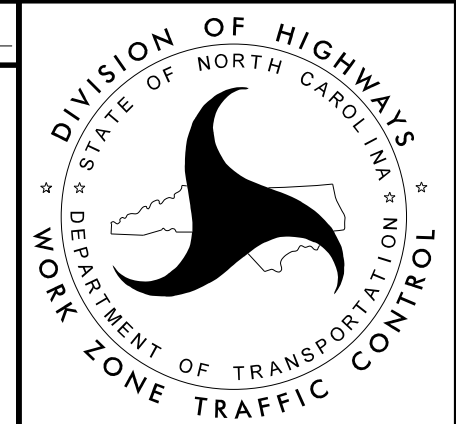


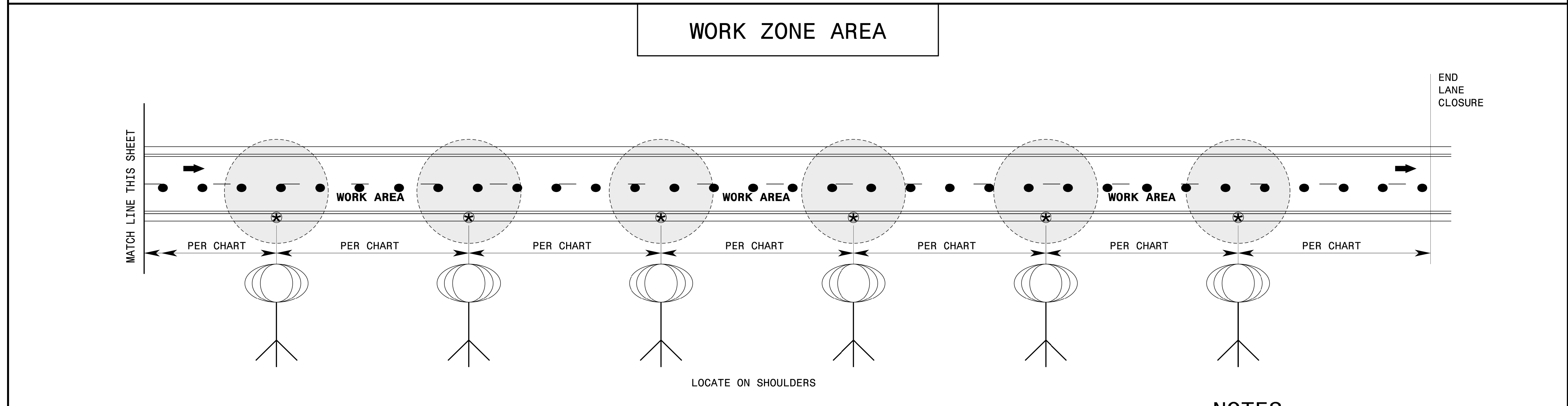
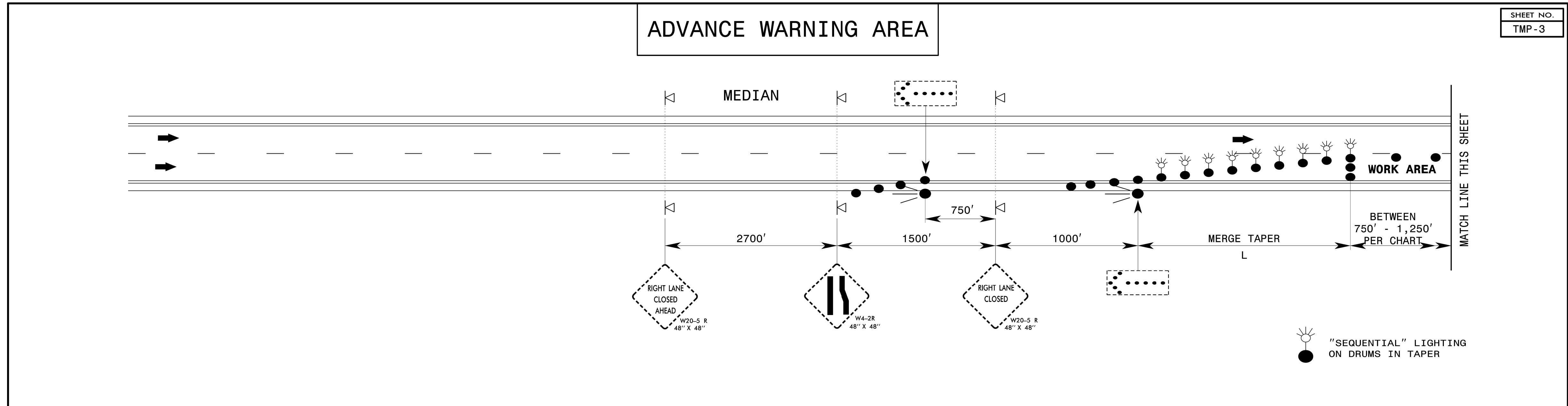
WORK ZONE "VARIABLE" SPEED LIMIT REDUCTION



NOTES

1. THE SPEED LIMITS DISPLAYED WITHIN THE ACTIVE WORK AREA MAY VARY BETWEEN 55 MPH AND 70 MPH, DEPENDENT UPON ROAD WORK CONDITIONS AND THE EXISTING SPEED LIMIT. 55 MPH IS ONLY DISPLAYED DURING ACTIVE LANE CLOSURE OPERATIONS.
2. AT THE FIRST DIGITAL SPEED LIMIT LOCATION, PLACE A DIGITAL SPEED LIMIT SIGN ON BOTH THE INSIDE AND OUTSIDE SHOULDERS, UNLESS DIRECTED OTHERWISE BY THE ENGINEER WHEN THERE IS NOT ENOUGH ROOM ON THE INSIDE SHOULDER DUE TO NARROW MEDIAN AND PERMANENT MEDIAN BARRIER. AT SUBSEQUENT LOCATIONS DOWNSTREAM, PLACE A SINGLE DIGITAL SPEED LIMIT SIGN ON THE OUTSIDE SHOULDER.
3. THE ENGINEER MAY DETERMINE TO INSTALL THE DIGITAL SPEED LIMIT SIGNS ON THE OUTSIDE SHOULDER OR ON THE MEDIAN SIDE IF THE SIGNS ARE NOT HIGHLY VISIBLE TO ALL MOTORISTS. AT THE FIRST DIGITAL SPEED LIMIT
4. THIS APPLICATION IS FOR SHORT-TERM ACTIVITIES. THE MAXIMUM ACTIVE WORK AREA IS 5 MILES.
5. THE DIGITAL SPEED LIMIT SIGNS TAKE PRECEDENCE OVER EXISTING SPEED LIMIT SIGNS. ALL EXISTING SPEED LIMIT SIGNS SHALL BE COVERED OR REMOVED.
6. THE DIGITAL SPEED LIMITS SIGNS WILL BE INSTALLED (TRAILER MOUNTED OR STATIONARY MOUNTED) IN ADVANCE AND SPACED APPROXIMATELY 1.5 MILES THROUGHOUT THE ACTIVE WORK AREA, UNLESS DIRECTED OTHERWISE.
7. NCDOT HAS SOLE AUTHORITY OF THE SPEED LIMITS DISPLAYED ON THE DIGITAL SPEED LIMIT SIGNS.
8. THE WORK ZONE VARIABLE SPEED LIMIT AND THE \$250 SPEEDING PENALTY ARE SEPARATE ORDINANCES THAT MUST BE SIGNED BY THE STATE TRAFFIC ENGINEER TO BE VALID AND ENFORCEABLE. WITHOUT A SIGNED ORDINANCE, THE SPEED LIMIT ON A FACILITY SHALL REMAIN UNCHANGED.

APPROVED: _____ DATE: _____ 		WORK ZONE "VARIABLE" SPEED LIMIT USING DIGITAL SPEED LIMIT SIGNS
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SPACING CHART

LIGHT OUTPUT (LUMENS)	MINIMUM LIGHTED FIXTURE AREA (SQUARE FEET)	MAXIMUM SPACING (FEET)	LIGHT UNITS (PER MILE)
50,000 TO 65,000	5.5	750'	6
66,000 TO 80,000	5.5	1,000'	5
81,000 TO 100,000	36	1,250'	4

NOTES

- 1) SPACE LIGHT UNITS ACCORDING TO THE CHART.
- 2) EACH LIGHT UNIT SHALL BE CAPABLE OF ELEVATING TO A MINIMUM HEIGHT OF 14' ABOVE THE PAVEMENT.
- 3) PLACE ON PAVED SHOULDER IF POSSIBLE.

APPROVED: <i>Steve Eitz</i> DATE: 3/17/2017 PROFESSIONAL SEAL ENGINEER JOHN S. NITS JR. NORTH CAROLINA		SEQUENTIAL FLASHING WARNING LIGHTS AND WORK ZONE PRESENCE LIGHTING
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3/17/2017
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PHASING

NOTE: BEFORE BEGINNING CONSTRUCTION THE CONTRACTOR SHALL:

- PLACE ADVANCE WORK ZONE WARNING SIGNS ALONG I-95 (-L-) AND ALL INTERCHANGE AREAS (SEE ROADWAY STANDARD DRAWINGS NO. 1101.01, SHEET 1 OF 3).
- INSTALL CHANGEABLE MESSAGE SIGNS (CMS) ON I-95 (-L-), AS DIRECTED BY THE ENGINEER. THESE CHANGEABLE MESSAGES SIGNS ARE TO BE UTILIZED TO INFORM & ALERT THE TRAVELING PUBLIC TO TRAFFIC CONDITIONS AND MAY BE UTILIZED FOR TRAFFIC CONTROL OPERATIONS DURING CONSTRUCTION AS DIRECTED BY THE ENGINEER.
- INSTALL "NO PARKING ANY TIME TOW-AWAY ZONE" SIGNS (R7-300/48"x60") ALONG BOTH DIRECTIONS OF I-95 (-L-), AS DIRECTED BY THE ENGINEER.

PHASE I

NOTE: CONTRACTOR MAY UTILIZE LANE CLOSURES (SEE SHEET TMP-20), ROAD CLOSURES [SHORT SEGMENTS OF I-95 (-L-)] AND/OR RAMP CLOSURES TO REMOVE & REPLACE CONCRETE SLABS ON I-95 (-L-) AND CONSTRUCTION OF PROPOSED BRIDGES OVER I-95 (-L-).

FOR LANE CLOSURES: SEE ROADWAY STANDARD DRAWINGS NO. 1101.02, SHEETS 4, 5, 6, 9 & 10 OF 15 AND SHEET TMP-20.

FOR ROAD & RAMP CLOSURES: SEE ROADWAY STANDARD DRAWINGS NO. 1101.03, SHEETS 1, 2, 7 & 9 OF 9 AND OFF-SITE DETOUR SHEETS TMP-2E TO TMP-2CC.

NOTE: CONTRACTOR SHALL TEMPORARY REDUCE THE SPEED LIMIT TO 55 MPH WHENEVER A LANE CLOSURE AND/OR ROAD CLOSURE IS UTILIZED ON I-95 (-L-) IN PHASE I (SEE "WORK ZONE 'VARIABLE' SPEED LIMIT REDUCTION" DETAIL ON SHEET TMP-2DD).

CONTRACTOR MAY WORK PHASE I, STEPS 1, 2, AND 3 SIMULTANEOUSLY.

STEP 1: CONSTRUCTION OF PROPOSED BRIDGE NO. 108 (LIZZIE MILL ROAD/-Y1-/SR 1001) AND BRIDGE NO. 111 (BIZZELL GROVE CHURCH ROAD/-Y4-/SR 2141) OVER I-95 (-L-).

- A. USING ROADWAY STANDARD DRAWINGS NO. 1101.03, SHEET 1 OF 9 AND OFF-SITE DETOUR SHEETS TMP-2C & TMP-2D, CLOSE LIZZIE MILL ROAD (-Y1-/SR 1001) AND BIZZELL GROVE CHURCH ROAD (-Y4-/SR 2141) TO TRAFFIC.

- B. AS REQUIRED, USING ROADWAY STANDARD DRAWINGS NO. 1101.02, SHEETS 4, 5 & 6 OF 15; ROADWAY STANDARD DRAWINGS NO. 1101.03, SHEETS 7 & 9 OF 9, OFF-SITE DETOUR SHEETS TMP-2E, TMP-2F, TMP- 2I & TMP-2J AND/OR DETAILS ON SHEET TMP-20:

- REMOVE ALL OF THE EXISTING DECKS & GIRDERS ON BRIDGE NO. 108 (LIZZIE MILL ROAD/-Y1-/SR 1001) & BRIDGE NO. 111 (BIZZELL GROVE CHURCH ROAD/-Y4-/SR 2141) (SEE ROADWAY PLANS AND STRUCTURE PLANS).

NOTE: FOR EXISTING BRIDGE REMOVAL UTILIZE OFF-SITE DETOURS ON SHEETS TMP-2E, TMP-2F, TMP- 2I & TMP-J TO CLOSE I-95 (-L-) AND GENERAL NOTE "C" ON SHEET TMP-1C FOR TIME RESTRICTIONS.

- REMOVE THE EXISTING OUTSIDE SHOULDER INTERIOR BENTS ALONG I-95 (-L-) FOR BOTH BRIDGE NO. 108 (LIZZIE MILL ROAD/-Y1-/SR 1001) & BRIDGE NO. 111 (BIZZELL GROVE CHURCH ROAD/-Y4-/SR 2141), INSTALL 300' OF TEMPORARY GUARDRAIL DOWNSTREAM FROM EXISTING SINGLE FACE CONCRETE BARRIER AND BEGIN CONSTRUCTION OF PROPOSED END BENTS (SEE ROADWAY PLANS, STRUCTURE PLANS AND SHEETS TMP-4, TMP-5, TMP-12 & TMP-13).

NOTE: IF EXISTING SINGLE FACE CONCRETE BARRIER IS REMOVED, INSTALL TEMPORARY GUARDRAIL, AS DIRECTED BY THE ENGINEER.

- REMOVE & REPLACE DAMAGED SLABS, UP TO THE EDGE & ELEVATION OF EXITING PAVEMENT ON BOTH DIRECTIONS OF I-95 (-L-) AS FOLLOWS (SEE ROADWAY PLANS):

STA. 9+90 +/- -L- TO STA. 26+00 +/- -L-
STA. 188+00 +/- -L- TO STA. 210+00 +/- -L-

- SAW CUT OUTSIDE SHOULDER AND STRENGTHEN 8' OF OUTSIDE SHOULDER, UP TO THE EDGE & ELEVATION OF EXITING PAVEMENT OF I-95 (-L-) AS FOLLOWS (SEE ROADWAY PLANS AND SHEETS TMP-4, TMP-5, TMP-12 & TMP-13):

STA. 9+90 +/- -L- TO STA. 22+00 +/- -L- NB I-95 (-L-)
STA. 189+20 +/- -L- TO STA. 205+15 +/- -L- NB I-95 (-L-)

STA. 9+90 +/- -L- TO STA. 24+85 +/- -L- SB I-95 (-L-)
STA. 192+45 +/- -L- TO STA. 208+40 +/- -L- SB I-95 (-L-)

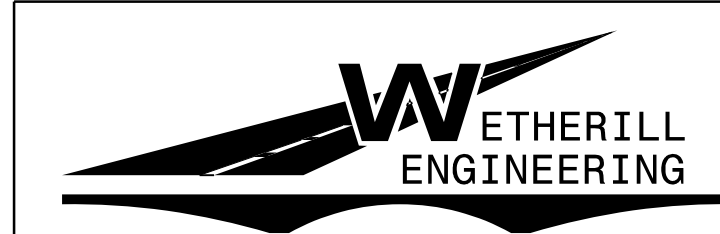
- C. USING ROADWAY STANDARD DRAWINGS NO. 1101.02, SHEETS 4, 5 & 6 OF 15:

- PLACE TEMPORARY PAVEMENT MARKINGS/MARKERS FOR THE TEMPORARY TWO-LANE, ONE-WAY TRAFFIC PATTERN ON THE OUTSIDE SHOULDERS IN BOTH DIRECTIONS OF I-95 (-L-) AND SHIFT TRAFFIC 6' TO THE OUTSIDE SHOULDER AS FOLLOWS (SEE SHEETS TMP-4, TMP-5, TMP-12 & TMP-13):

STA. 5+90 +/- -L- TO STA. 21+00 +/- -L- NB I-95 (-L-)
STA. 189+20 +/- -L- TO STA. 204+15 +/- -L- NB I-95 (-L-)

STA. 6+90 +/- -L- TO STA. 24+85 +/- -L- SB I-95 (-L-)
STA. 193+45 +/- -L- TO STA. 208+40 +/- -L- SB I-95 (-L-)

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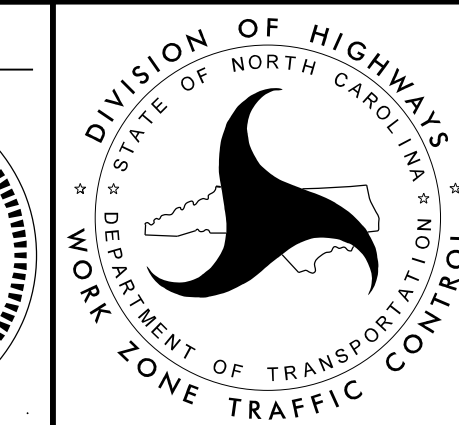
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D. USING ROADWAY STANDARD DRAWINGS NO. 1101.02, SHEETS 4, 5 & 6 OF 15:

- INSTALL PORTABLE CONCRETE BARRIER ALONG THE TEMPORARY INSIDE LANE OF BOTH DIRECTIONS OF I-95 (-L-) AS SHOWN ON SHEETS TMP-4, TMP-5, TMP-12 & TMP-13 AND BEGIN CONSTRUCTION OF PROPOSED CENTER BENTS, PROPOSED MEDIAN (INCLUDING DRAINAGE & MEDIAN CONCRETE BARRIER), UP TO THE EDGE & ELEVATION OF THE EXISTING, THE REMAINDER OF BRIDGE NO. 108 (LIZZIE MILL ROAD/-Y1-/SR 1001) & BRIDGE NO. 111 (BIZZELL GROVE CHURCH ROAD/-Y4-/SR 2141) (SEE ROADWAY PLANS, STRUCTURE PLANS AND SHEETS TMP-4, TMP-5, TMP-12 & TMP-13).

NOTE: COMPLETE CONSTRUCTION OF PROPOSED CENTER BENTS OF BRIDGE NO. 108 (LIZZIE MILL ROAD/-Y1-/SR 1001) & BRIDGE NO. 111 (BIZZELL GROVE CHURCH ROAD/-Y4-/SR 2141) AND PROPOSED MEDIAN PRIOR TO BEGINNING PHASE II.

NOTE: FOR PROPOSED GIRDER INSTALLATION UTILIZE OFF-SITE DETOURS ON SHEETS TMP-2E, TMP-2F, TMP-2J & TMP-2K TO CLOSE I-95 (-L-) AND GENERAL NOTE "C" ON SHEET TMP-1C FOR TIME RESTRICTIONS.

STEP 2: REMOVAL & REPLACEMENT OF DAMAGE SLABS ON I-95 (-L-).

A. AS REQUIRED, USING ROADWAY STANDARD DRAWINGS NO. 1101.02, SHEETS 4, 5 & 6 OF 15, ROADWAY STANDARD DRAWINGS NO. 1101.03, SHEETS 7 & 9 OF 9, OFF-SITE DETOUR SHEETS TMP-2E TO TMP-2CC AND/OR DETAILS ON SHEET TMP-20:

- REMOVE & REPLACE DAMAGED SLABS, UP TO THE EDGE & ELEVATION OF EXITING PAVEMENT ON BOTH DIRECTIONS OF I-95 (-L-) AS FOLLOWS (SEE ROADWAY PLANS):

STA. 26+00 +/- -L- TO STA. 188+00 +/- -L-
 STA. 210+00 +/- -L- TO STA. 265+44 +/- -L-
 STA. 292+94 +/- -L- TO STA. 366+00 +/- -L-

STEP 3: CONSTRUCTION OF TEMPORARY OUTSIDE SHOULDER STRENGTHENING ALONG I-95 (-L-).

A. AS REQUIRED, USING ROADWAY STANDARD DRAWINGS NO. 1101.02, SHEETS 4, 5, 6, 9 & 10 OF 15; ROADWAY STANDARD DRAWINGS NO. 1101.03, SHEETS 7 & 9 OF 9 AND OFF-SITE DETOUR SHEETS TMP-2E TO TMP-2CC, IF APPROVED BY THE ENGINEER:

- CONSTRUCT 8' OF TEMPORARY PAVEMENT ALONG THE OUTSIDE SHOULDER OF THE FOLLOWING ON-RAMPS (SEE ROADWAY PLANS AND SHEETS TMP-6, TMP-7, TMP-8, TMP-9, TMP-10, TMP-11, TMP-14, TMP-17, TMP-18 & TMP-19):

STA. 79+20 +/- -L- TO STA. 83+02 +/- -L- (EXIT 101)
 STA. 10+00 +/- -Y2RPB- TO STA. 14+16 +/- -Y2RPB- (EXIT 101)

STA. 107+52 +/- -L- TO STA. 110+60 +/- -L- (EXIT 101)
 STA. 10+00 +/- -Y2RPD- TO STA. 14+16 +/- -Y2RPD- (EXIT 101)

STA. 139+00 +/- -L- TO STA. 144+70 +/- -L- (EXIT 102)
 STA. 10+00 +/- -Y3RPB- TO STA. 13+60 +/- -Y3RPD- (EXIT 102)

STA. 166+00 +/- -L- TO STA. 171+30 +/- -L- (EXIT 102)
 STA. 10+00 +/- -Y3RPD- TO STA. 13+76 +/- -Y3RPD- (EXIT 102)

STA. 248+60 +/- -L- TO STA. 252+39 +/- -L- (EXIT 105)
 STA. 10+00 +/- -Y5RPB- TO STA. 14+16 +/- -Y5RPB- (EXIT 105)

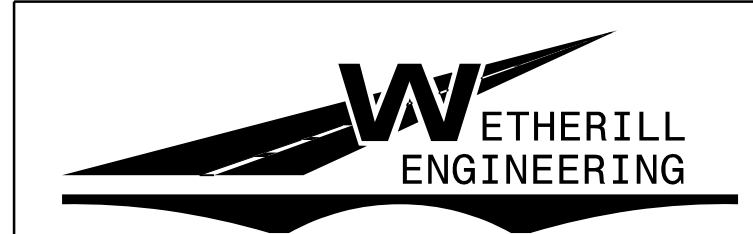
STA. 310+00 +/- -L- TO STA. 321+50 +/- -L- (EXIT 106)
 STA. 352+00 +/- -L- TO STA. 364+00 +/- -L- (EXIT 106)

- SAW CUT OUTSIDE SHOULDER AND STRENGTHEN 8' OF OUTSIDE SHOULDER, UP TO THE EDGE & ELEVATION OF EXITING PAVEMENT ALONG BOTH DIRECTIONS OF I-95 (-L-) AS FOLLOWS (SEE ROADWAY PLANS AND SHEETS TMP-6 TO TMP-11 & TMP-14 TO TMP-19):

STA. 22+00 +/- -L- TO STA. 189+20 +/- -L- NB I-95 (-L-)
 STA. 205+15 +/- -L- TO STA. 265+44 +/- -L- NB I-95 (-L-)
 STA. 292+94 +/- -L- TO STA. 366+00 +/- -L- NB I-95 (-L-)

STA. 24+85 +/- -L- TO STA. 192+45 +/- -L- SB I-95 (-L-)
 STA. 208+40 +/- -L- TO STA. 265+44 +/- -L- SB I-95 (-L-)
 STA. 292+94 +/- -L- TO STA. 366+00 +/- -L- SB I-95 (-L-)

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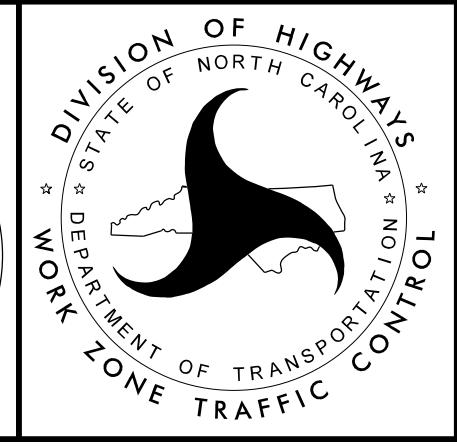
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STEP 4: CONSTRUCTION OF PROPOSED MEDIAN OF I-95 (-L-).

A. USING ROADWAY STANDARD DRAWINGS NO. 1101.02, SHEETS 4, 5 & 6 OF 15:

- PLACE TEMPORARY PAVEMENT MARKINGS/MARKERS FOR THE TEMPORARY TWO-LANE, ONE-WAY TRAFFIC PATTERN ON THE OUTSIDE SHOULDERS IN BOTH DIRECTIONS OF I-95 (-L-) AND SHIFT TRAFFIC 6' TO THE OUTSIDE SHOULDER (SEE SHEETS TMP-5 TO TMP-19) AS FOLLOWS:

STA. 18+90 +/- -L- TO STA. 191+30 +/- -L- NB I-95 (-L-)
 STA. 202+05 +/- -L- TO STA. 265+44 +/- -L- NB I-95 (-L-)
 STA. 292+94 +/- -L- TO STA. 366+00 +/- -L- NB I-95 (-L-)

STA. 22+75 +/- -L- TO STA. 195+60 +/- -L- SB I-95 (-L-)
 STA. 206+30 +/- -L- TO STA. 265+44 +/- -L- SB I-95 (-L-)
 STA. 292+94 +/- -L- TO STA. 366+00 +/- -L- SB I-95 (-L-)

NOTE: TIE-IN TEMPORARY PAVEMENT MARKINGS/MARKERS TO TEMPORARY PAVEMENT MARKING/MARKERS PREVIOUSLY PLACED IN THE PROPOSED BRIDGE LOCATIONS ON I-95 (-L-) IN PHASE I, STEP 1C.

B. USING ROADWAY STANDARD DRAWINGS NO. 1101.02, SHEETS 4, 5 & 6 OF 15:

- USING "WORK ZONE DIGITAL SPEED LIMIT SIGNS" REDUCE THE SPEED LIMIT IN BOTH DIRECTIONS OF I-95 (-L-) TO 60 MPH (SEE SHEET TMP-2EE).
- INSTALL PORTABLE CONCRETE BARRIER ALONG THE TEMPORARY INSIDE LANE OF BOTH DIRECTIONS OF I-95 (-L-)

STA. 18+65 +/- -L- TO STA. 195+70 +/- -L- NB I-95 (-L-)
 STA. 202+05 +/- -L- TO STA. 265+44 +/- -L- NB I-95 (-L-)
 STA. 292+94 +/- -L- TO STA. 366+00 +/- -L- NB I-95 (-L-)

STA. 18+35 +/- -L- TO STA. 195+60 +/- -L- SB I-95 (-L-)
 STA. 201+90 +/- -L- TO STA. 265+44 +/- -L- SB I-95 (-L-)
 STA. 292+94 +/- -L- TO STA. 366+00 +/- -L- SB I-95 (-L-)

NOTE: AS DIRECTED & APPROVED BY THE ENGINEER, CONNECT OR OVERLAP NEWLY INSTALLED PORTABLE CONCRETE BARRIER TO PORTABLE CONCRETE BARRIER PREVIOUSLY PLACED IN THE PROPOSED BRIDGE LOCATIONS ON I-95 (-L-) IN PHASE I, STEP 1D. THE OVERLAP SECTIONS OF PCB SHALL BE INSTALLED SO AS NOT TO CREATE A SAFETY HAZARD TO ON COMING TRAFFIC.

NOTE: AS DIRECTED & APPROVED BY THE ENGINEER, INSTALL ACCESS THROUGH THE PCB USING ROADWAY STANDARD DRAWING NO. 1101.05, SHEET 1 OF 1. A LEFT LANE CLOSURE SHALL BE UTILIZED WITH THIS DETAIL WHEN ACCESS IS OPERATIONAL.

C. USING ROADWAY STANDARD DRAWINGS NO. 1101.02, SHEETS 4, 5 & 6 OF 15, AS REQUIRED:

- CONSTRUCT PROPOSED MEDIAN (INCLUDING DRAINAGE & MEDIAN CONCRETE BARRIER), UP TO THE EDGE & ELEVATION OF THE EXISTING (SEE ROADWAY PLANS AND SHEETS TMP-5 TO TMP-19).
- COMPLETE CONSTRUCTION OF PROPOSED CENTER BENTS OF BRIDGE NO. 108 (LIZZIE MILL ROAD/-Y1-/SR 1001) & BRIDGE NO. 111 (BIZZELL GROVE CHURCH ROAD/-Y4-/SR 2141) AND PROPOSED MEDIAN (INCLUDING DRAINAGE & CONCRETE MEDIAN BARRIER) BEGUN IN PHASE I, STEP 1D.

PHASE II

NOTE: FOR PHASE II, KEEP THE SPEED LIMIT REDUCED TO 60 MPH IN BOTH DIRECTIONS OF I-95 (-L-) USING "WORK ZONE DIGITAL SPEED LIMIT SIGNS" (SEE SHEET TMP-2EE).

STEP 1: CONSTRUCTION OF PROPOSED OUTSIDE SHOULDERS OF I-95 (-L-), ON/OFF-RAMPS AND ACCELERATION LANE EXTENSIONS.

A. USING ROADWAY STANDARD DRAWINGS NO. 1101.02, SHEETS 4, 5 & 6 OF 15 (SEE SHEETS TMP-21 TO TMP-33):

- REMOVE PORTABLE CONCRETE BARRIER FROM THE MEDIAN, PLACE TEMPORARY PAVEMENT MARKINGS/MARKERS FOR THE TEMPORARY TWO-LANE, ONE-WAY TRAFFIC PATTERN ON THE INSIDE SHOULDERS OF BOTH DIRECTIONS OF I-95 (-L-) AND SHIFT TRAFFIC:

STA. 5+90 +/- -L- TO STA. 267+54 +/- -L- NB I-95 (-L-)
 STA. 288+94 +/- -L- TO STA. 368+10 +/- -L- NB I-95 (-L-)

STA. 6+90 +/- -L- TO STA. 269+44 +/- -L- SB I-95 (-L-)
 STA. 290+84 +/- -L- TO STA. 370+00 +/- -L- SB I-95 (-L-)

B. USING ROADWAY STANDARD DRAWINGS NO. 1101.02, SHEETS 4, 5 & 6 OF 15 (SEE SHEETS TMP-21 TO TMP-33):

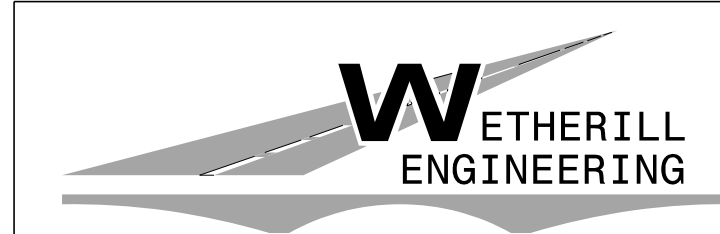
- INSTALL PORTABLE CONCRETE BARRIER ALONG THE TEMPORARY OUTSIDE LANE OF BOTH DIRECTIONS OF I-95 (-L-) AS FOLLOWS:

STA. 9+00 +/- -L- TO STA. 265+44 +/- -L- NB I-95 (-L-)
 STA. 292+04 +/- -L- TO STA. 366+00 +/- -L- NB I-95 (-L-)

STA. 9+90 +/- -L- TO STA. 266+34 +/- -L- SB I-95 (-L-)
 STA. 292+94 +/- -L- TO STA. 366+90 +/- -L- SB I-95 (-L-)

NOTE: AS DIRECTED & APPROVED BY THE ENGINEER, INSTALL ACCESS THROUGH THE PCB USING ROADWAY STANDARD DRAWING NO. 1101.05, SHEET 1 OF 1. A RIGHT LANE CLOSURE SHALL BE UTILIZED WITH THIS DETAIL WHEN ACCESS IS OPERATIONAL.

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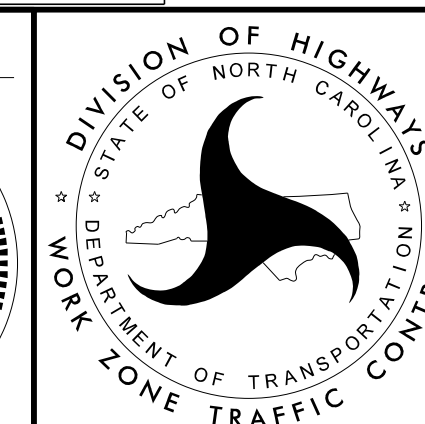
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Disciplined by Bob A. May



PHASING

PHASE III

CONTRACTOR MAY WORK PHASE II, STEPS C AND D SIMULTANEOUSLY.

C. USING ROADWAY STANDARD DRAWINGS NO. 1101.02, SHEETS 4, 5 & 6 OF 15, AS REQUIRED:

- CONSTRUCT PROPOSED OUTSIDE SHOULDER (INCLUDING DRAINAGE) AND RAMP EXTENSIONS, UP TO THE EDGE & ELEVATION OF THE EXISTING (SEE ROADWAY PLANS AND SHEETS TMP-21 TO TMP-33).
- COMPLETE CONSTRUCTION OF PROPOSED BRIDGE NO. 108 (LIZZIE MILL ROAD/-Y1-/SR 1001) AND PROPOSED BRIDGE NO. 111 (BIZZELL GROVE CHURCH ROAD/-Y4-/SR 2141) BEGIN IN PHASE I, STEP 1D.

NOTE: KEEP PROPOSED BRIDGE NO. 108 (LIZZIE MILL ROAD/-Y1-/SR 1001) & PROPOSED BRIDGE NO. 111 (BIZZELL GROVE CHURCH ROAD/-Y4-/SR 2141) CLOSED AND LEAVE OFF-SITE DETOUR SIGNAGE & TYPE III BARRICADES IN-PLACE.

CONTRACTOR SHALL WORK IN A CONTINUOUS MANNER TO COMPLETE THE WORK IN PHASE II, STEP 1D FROM MIDNIGHT SUNDAY TO NOON FRIDAY. REPEAT WEEKDAY RAMP CLOSURES AS DIRECTED & APPROVED BY THE ENGINEER TO COMPLETED CONSTRUCTION OF ALL ON/OFF-RAMPS (SEE INTERMEDIATE CONTRACT TIME AND SPECIAL PROVISIONS).

D. USING ROADWAY STANDARD DRAWINGS NO. 1101.02, SHEETS 4, 5 & 6 OF 15 AND SHEETS TMP-2P TO TMP-2CC CLOSE EXISTING ON-RAMP OR OFF-RAMP TO TRAFFIC. CONSTRUCT BOTH PROPOSED INSIDE & OUTSIDE SHOULDERS UP TO THE EDGE & ELEVATION OF THE EXISTING, PLACE TEMPORARY PAVEMENT MARKINGS/MARKERS, AS REQUIRED, IN THE EXISTING PATTERN AND OPEN TO TRAFFIC (SEE ROADWAY PLANS).

E. USING ROADWAY STANDARD DRAWINGS NO. 1101.02, SHEETS 4, 5 & 6 OF 15:

- REMOVE THE PORTABLE CONCRETE AND PLACE TEMPORARY PAVEMENT MARKINGS/MARKERS FOR THE EXISTING PATTERN AND SHIFT TRAFFIC AS FOLLOWS:

STA. 5+90 +/- -L- TO STA. 267+54 +/- -L- NB I-95 (-L-)
 STA. 288+94 +/- -L- TO STA. 368+10 +/- -L- NB I-95 (-L-)

STA. 6+90 +/- -L- TO STA. 269+44 +/- -L- SB I-95 (-L-)
 STA. 290+84 +/- -L- TO STA. 370+00 +/- -L- SB I-95 (-L-)

NOTE: FOR PHASE III THE CONTRACTOR SHALL REMOVE THE "WORK ZONE DIGITAL SPEED LIMIT SIGNS" FROM THE PROJECT AND SHALL TEMPORARY REDUCE THE SPEED LIMIT TO 55 MPH WHENEVER A LANE CLOSURE AND/OR ROAD CLOSURE IS UTILIZED ON I-95 (-L-) (SEE "WORK ZONE 'VARIABLE' SPEED LIMIT REDUCTION" DETAIL ON SHEET TMP-2DD).

NOTE: FOR PHASE III THE PROJECT IS DIVIDED INTO FIVE SECTIONS AS DEFINED BELOW. THE CONTRACTOR SHALL COMPLETE THE OVERLAY ON I-95 (-L-) UP TO, BUT NOT INCLUDING THE FINAL LAYER OF SURFACE IN A SECTION BEFORE PROCEEDING TO THE NEXT SECTION. AS DIRECTED & APPROVED BY THE ENGINEER, THE CONTRACTOR MAY BEGIN CONSTRUCTION IN A SECTION OF I-95 (-L-) OF HIS CHOOSING, HOWEVER, MUST COMPLETE THAT SECTION BEFORE PROCEEDING TO THE NEXT SECTION.

- SECTION 1: BEGINNING OF PROJECT TO PITTMAN ROAD INTERCHANGE, EXIT 101.
- SECTION 2: PITTMAN ROAD INTERCHANGE, EXIT 101 TO MICRO ROAD INTERCHANGE, EXIT 102.
- SECTION 3: MICRO ROAD INTERCHANGE, EXIT 102 TO BAGLEY ROAD INTERCHANGE, EXIT 105 (STA. 265+44 +/- -L-).
- SECTION 4: STA. 292+94 +/- -L- TO TRUCK STOP ROAD INTERCHANGE, EXIT 106.
- SECTION 5: TRUCK STOP ROAD INTERCHANGE, EXIT 106 TO STA. 366+00 +/- -L-.

STEP 1: CONSTRUCTION OF PROPOSED OVERLAY ON I-95 (-L-) BY SECTIONS.

CONTRACTOR MAY WORK PHASE III, STEPS 1A, 1B & 1C SIMULTANEOUSLY.

A. USING ROADWAY STANDARD DRAWINGS NO. 1101.02, SHEETS 4, 5 & 6, 9 & 10 OF 15, ROADWAY STANDARD DRAWINGS NO. 1101.03, SHEETS 7 & 9 OF 9 AND/OR OFF-SITE DETOUR SHEETS TMP-2E TO TMP-2CC, IF APPROVED BY THE ENGINEER (SEE ROADWAY PLANS):

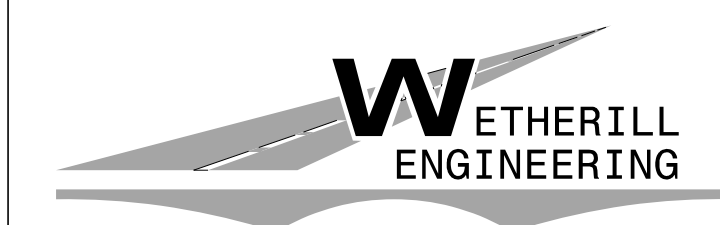
- IN SELECTED SECTION, CONDUCT MILLING AND PAVING OPERATIONS TO PAVE THE ENTIRE WIDTH ACROSS I-95 (-L-) WITH THE BINDER LAYER, PLACE TEMPORARY PAVEMENT MARKING/MARKERS IN THE EXISTING TRAFFIC PATTERN AND OPEN TO TRAFFIC BY THE END OF EACH WORK PERIOD. REPEAT UNTIL THE ENTIRE SECTION HAS BEEN COMPLETED.

NOTE: AS DIRECTED & APPROVED BY THE ENGINEER, THE CONTRACTOR MAY CLOSE SECTIONS OF I-95 (-L-) AND/OR ON/OFF-RAMPS DURING CONSTRUCTION.

NOTE: TAPER THE BINDER LAYER TO THE EXISTING AS DIRECT BY THE ENGINEER.

NOTE: BEGIN INSTALLATION OF PROPOSED OUTSIDE GUARDRAIL, AS APPROVED BY THE ENGINEER.

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TRANSPORTATION PLANNING/DESIGN - BRIDGE/STRUCTURE DESIGN
 CIVIL/SITE DESIGN - GIS/GPS - CONSTRUCTION OBSERVATION

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 DATE: _____
 SEAL



PHASING

PROJ. REFERENCE NO.	SHEET NO.
I-5786	TMP-3D

B. AS REQUIRED, USING ROADWAY STANDARD DRAWINGS NO. 1101.02, SHEETS 4, 5, 6, 9 & 10 OF 15; ROADWAY STANDARD DRAWINGS NO. 1101.03, SHEETS 7 & 9 OF 9 AND/OR OFF-SITE DETOUR SHEETS TMP-2E TO TMP-2CC, IF APPROVED BY THE ENGINEER (SEE ROADWAY PLANS):

- IN SELECTED SECTION, CONDUCT PAVING OPERATIONS TO PAVE I-95 (-L-) WITH THE FIRST LAYER OF SURFACE COURSE, PLACE TEMPORARY PAVEMENT MARKING/MARKERS IN THE EXISTING TRAFFIC PATTERN AND OPEN TO TRAFFIC BY THE END OF EACH WORK PERIOD. REPEAT UNTIL THE ENTIRE SECTION HAS BEEN COMPLETED.

NOTE: AS DIRECTED & APPROVED BY THE ENGINEER, THE CONTRACTOR MAY CLOSE SECTIONS OF I-95 (-L-) AND/OR ON/OFF-RAMPS DURING CONSTRUCTION.

NOTE: TAPER THE FIRST LAYER OF SURFACE LAYER TO THE EXISTING AS DIRECT BY THE ENGINEER.

NOTE: BEGIN INSTALLATION OF PROPOSED OUTSIDE GUARDRAIL, AS APPROVED BY THE ENGINEER.

C. AS REQUIRED, USING ROADWAY STANDARD DRAWINGS NO. 1101.02, SHEETS 4, 5, 6, 9 & 10 OF 15 (SEE ROADWAY PLANS):

- CONDUCT MILLING & PAVING OPERATIONS TO PAVE BOTH DIRECTIONS OF I-95 (-L-) FROM US 301 INTERCHANGE (EXIT 107) NORTH TO THE JOHNSTON/WILSON COUNTY LINE UP TO, BUT NOT INCLUDING THE FINAL LAYER OF SURFACE COURSE, PLACE TEMPORARY PAVEMENT MARKING/MARKERS IN THE EXISTING TRAFFIC PATTERN AND OPEN TO TRAFFIC BY THE END OF EACH WORK PERIOD.

NOTE: TAPER THE FIRST LAYER OF SURFACE LAYER TO THE EXISTING AS DIRECT BY THE ENGINEER.

STEP 2: CONSTRUCTION OF FINAL LAYER ON I-95 (-L-).

A. AS REQUIRED, USING ROADWAY STANDARD DRAWINGS NO. 1101.02, SHEETS 4, 5, 6, 9 & 10 OF 15; ROADWAY STANDARD DRAWINGS NO. 1101.03, SHEETS 7 & 9 OF 9 AND/OR OFF-SITE DETOUR SHEETS TMP-2E TO TMP-2CC, IF APPROVED BY THE ENGINEER (SEE ROADWAY PLANS AND FINAL PAVEMENT MARKING PLANS):

- CONDUCT PAVING OPERATIONS TO PAVE I-95 (-L-) WITH THE FINAL LAYER OF SURFACE COURSE, PLACE FINAL PAVEMENT MARKING/MARKERS IN THE EXISTING TRAFFIC PATTERN AND OPEN TO TRAFFIC BY THE END OF EACH WORK PERIOD. REPEAT UNTIL THE ENTIRE PROJECT HAS BEEN COMPLETED.

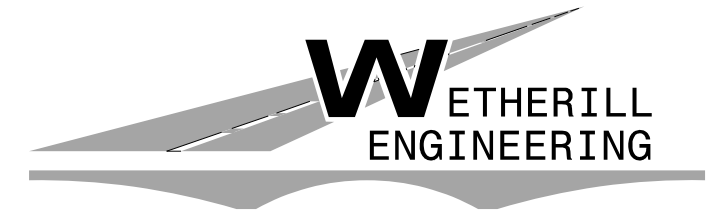
NOTE: AS DIRECTED & APPROVED BY THE ENGINEER, THE CONTRACTOR MAY CLOSE SECTIONS OF I-95 (-L-) AND/OR ON/OFF-RAMPS DURING CONSTRUCTION.

NOTE: TAPER THE FINAL LAYER OF SURFACE LAYER TO THE EXISTING AS DIRECT BY THE ENGINEER.

NOTE: COMPLETE INSTALLATION OF PROPOSED OUTSIDE GUARDRAIL.

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

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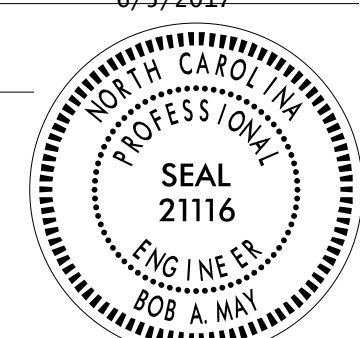
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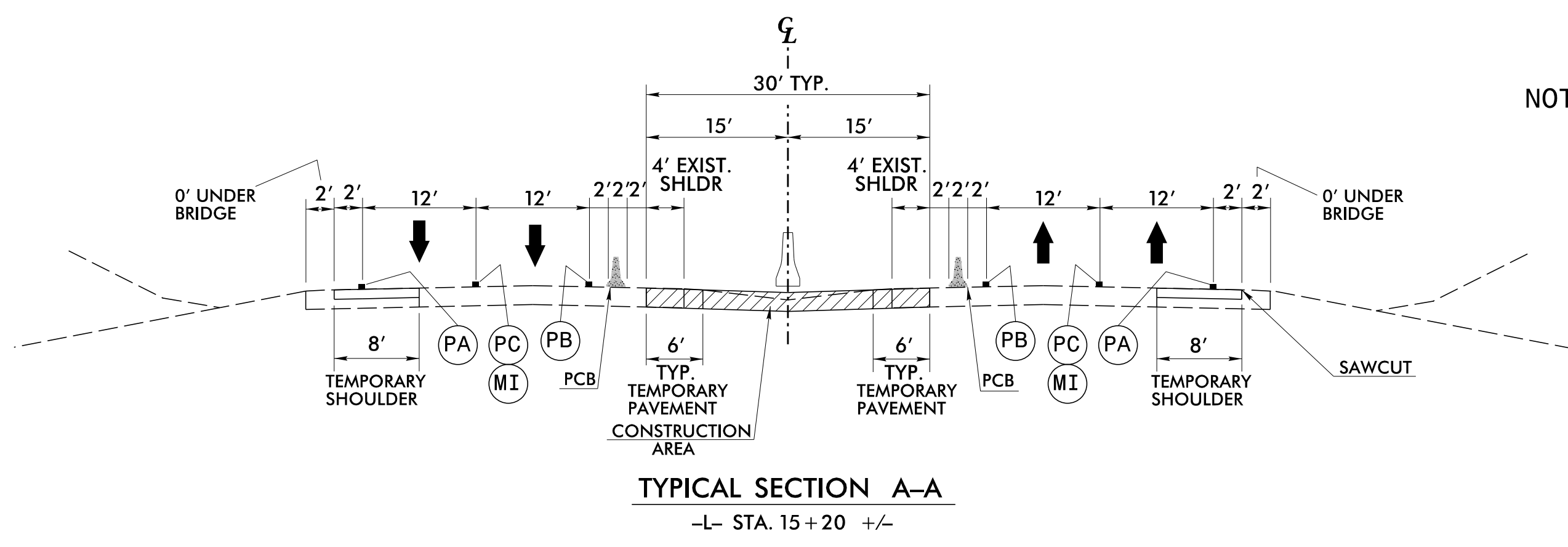
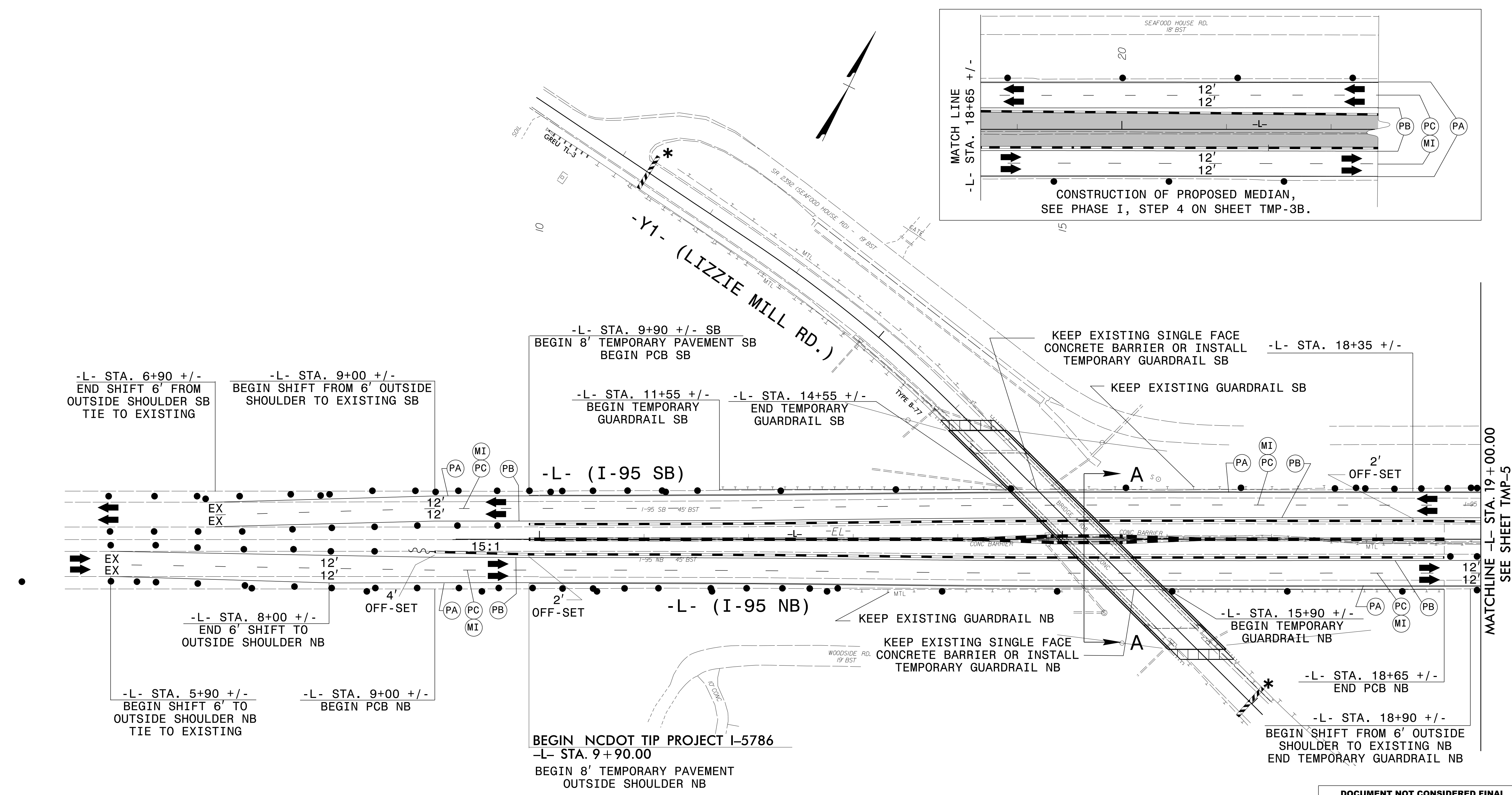
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DATE: _____

SEAL




PHASING



NOTES: SEE SHEET TMP-1A FOR PAVEMENT MARKING SCHEDULE.
* SEE SHEET TMP-2C FOR OFF-SITE DETOURS.

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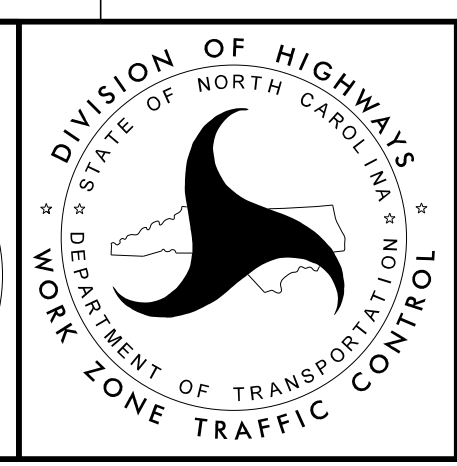
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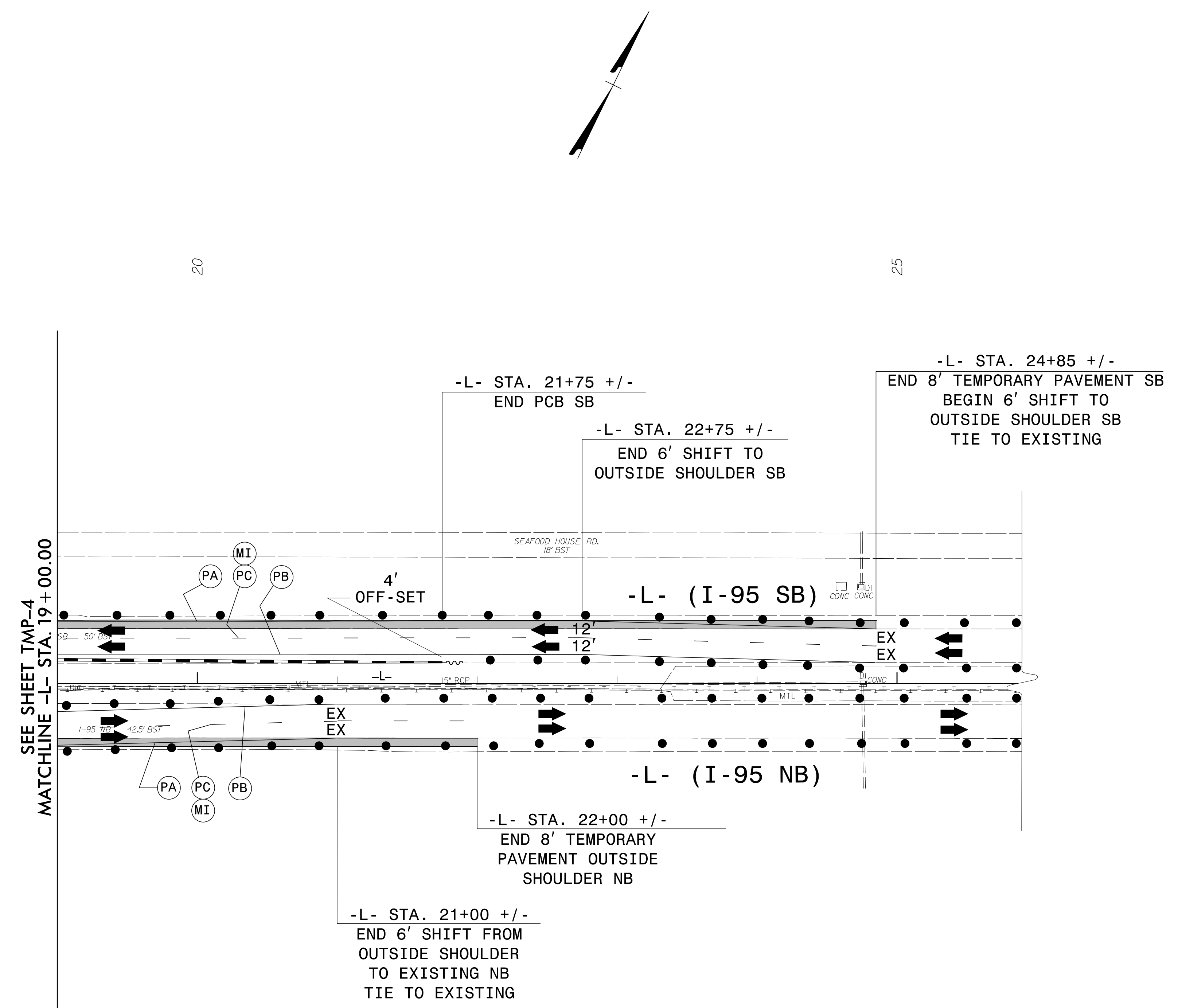
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Bob A. May



**PHASE I
DETAIL
BRIDGE # 108
LIZZIE MILL ROAD
-Y1-**

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NOTES: SEE SHEET TMP-1A FOR PAVEMENT MARKING SCHEDULE.

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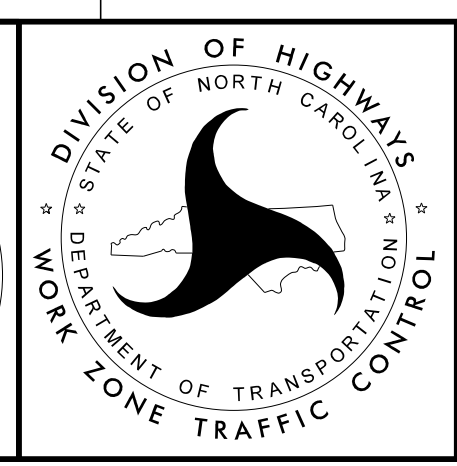
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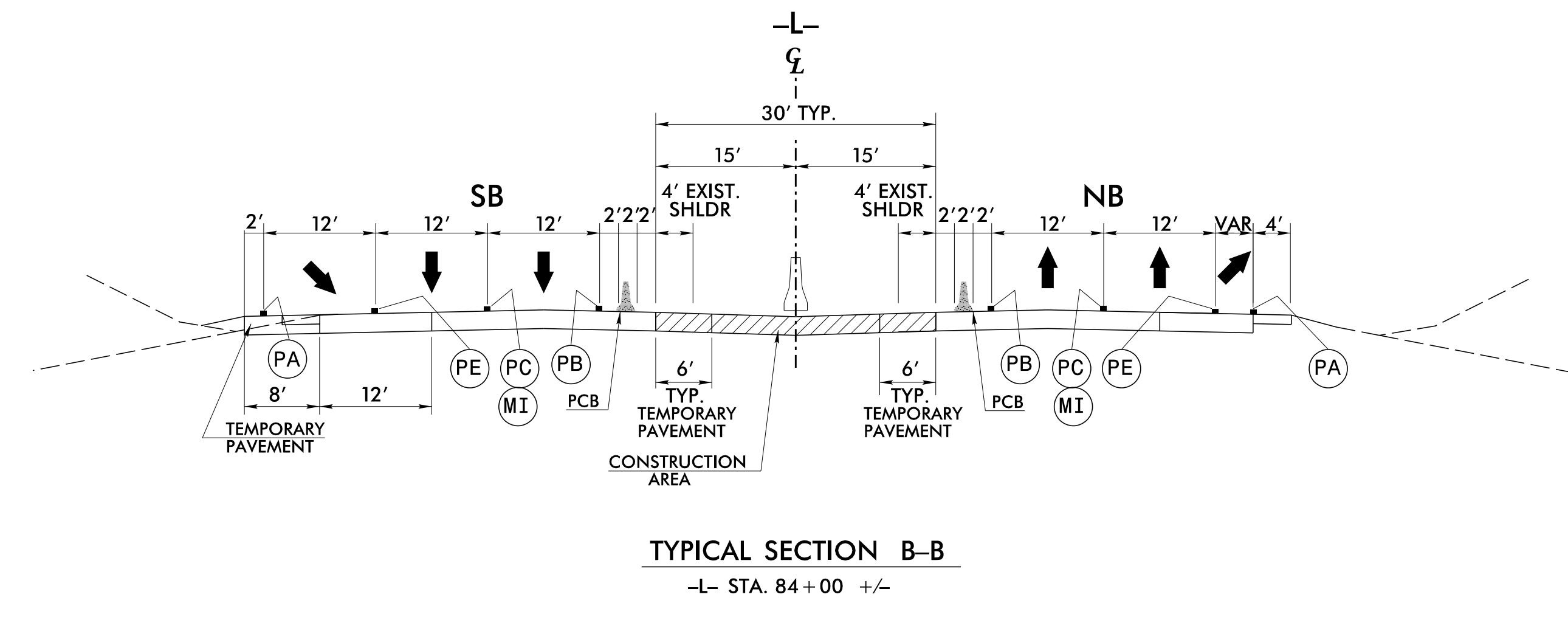
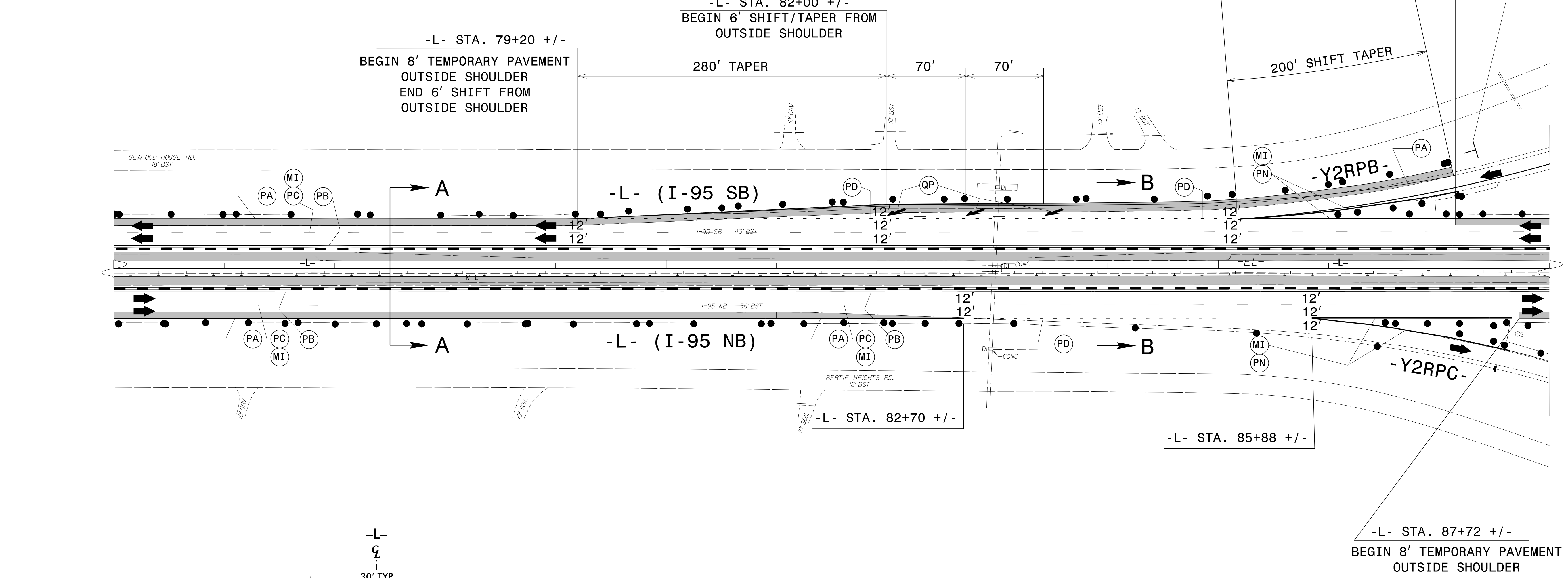
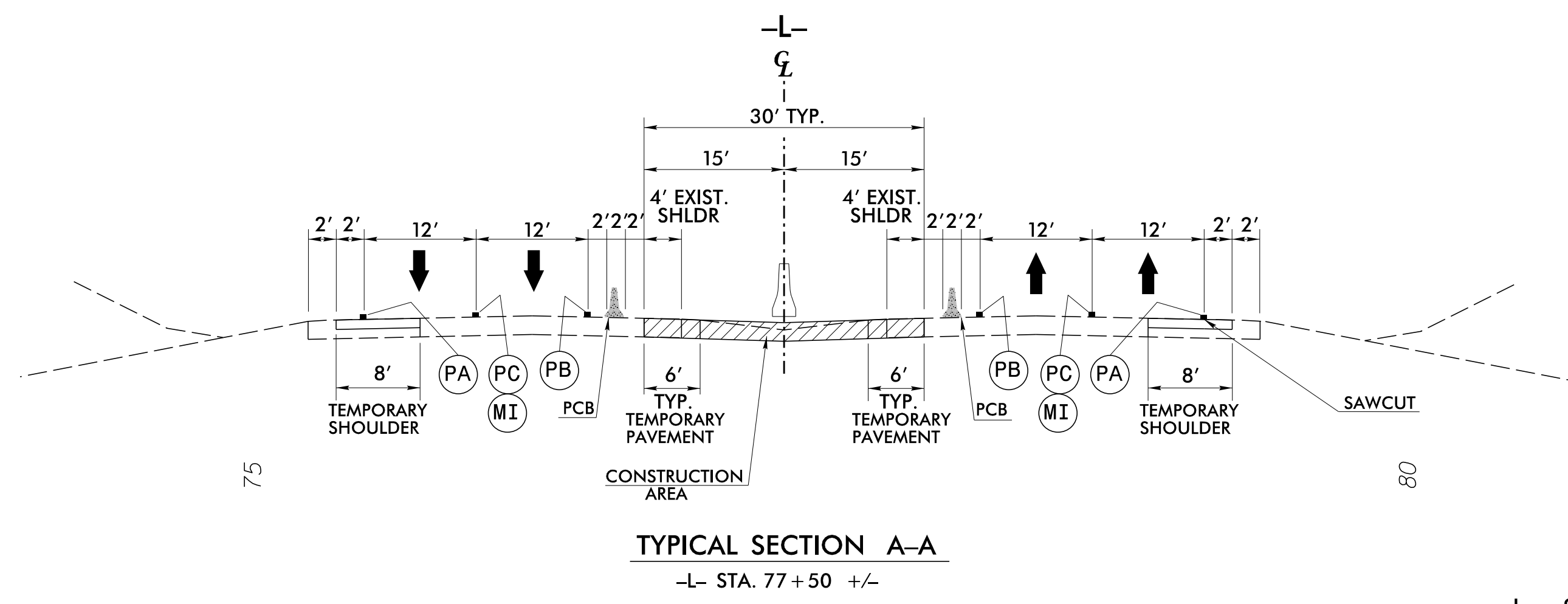
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Disciplined by: _____



**PHASE I
DETAIL
BRIDGE # 108
LIZZIE MILL ROAD
-Y1-**

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NOTES: SEE SHEET TMP-1A FOR PAVEMENT MARKING SCHEDULE.

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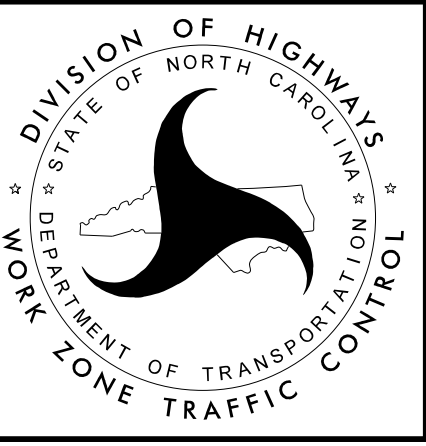
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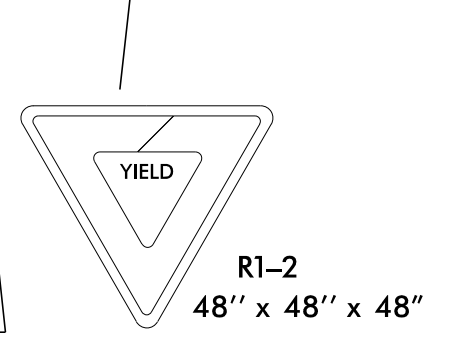
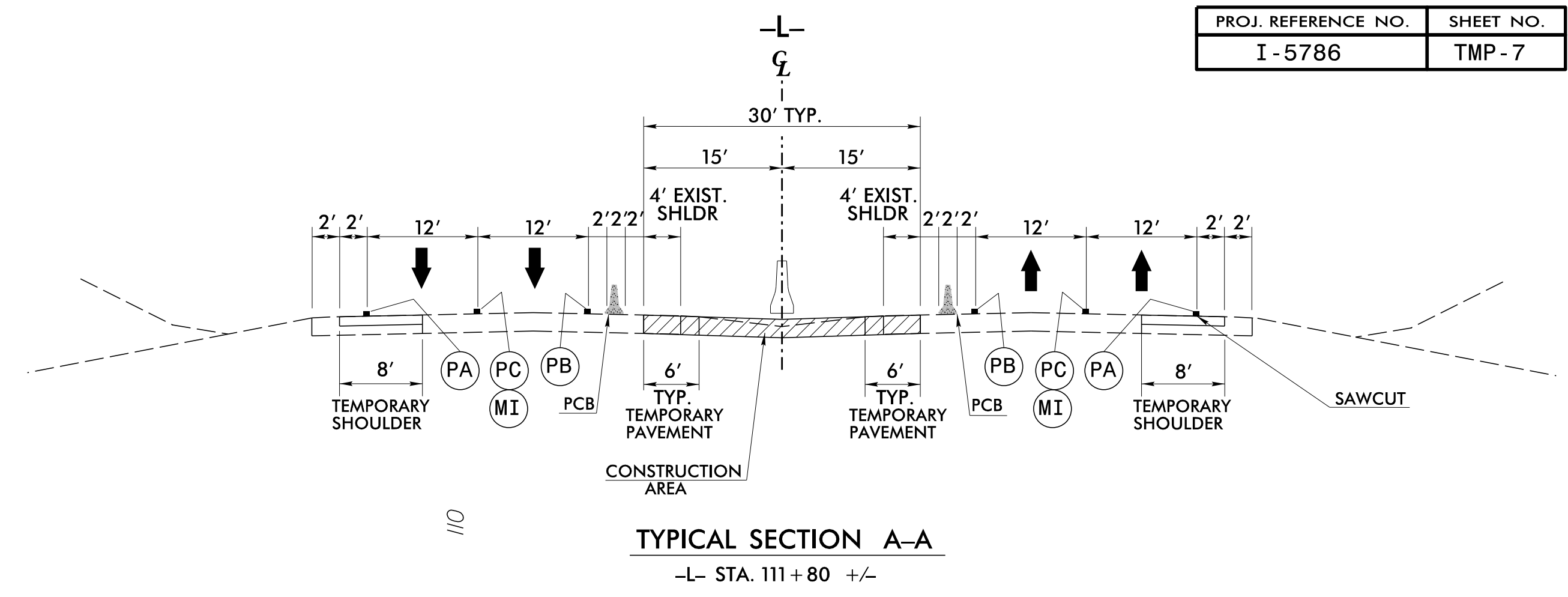
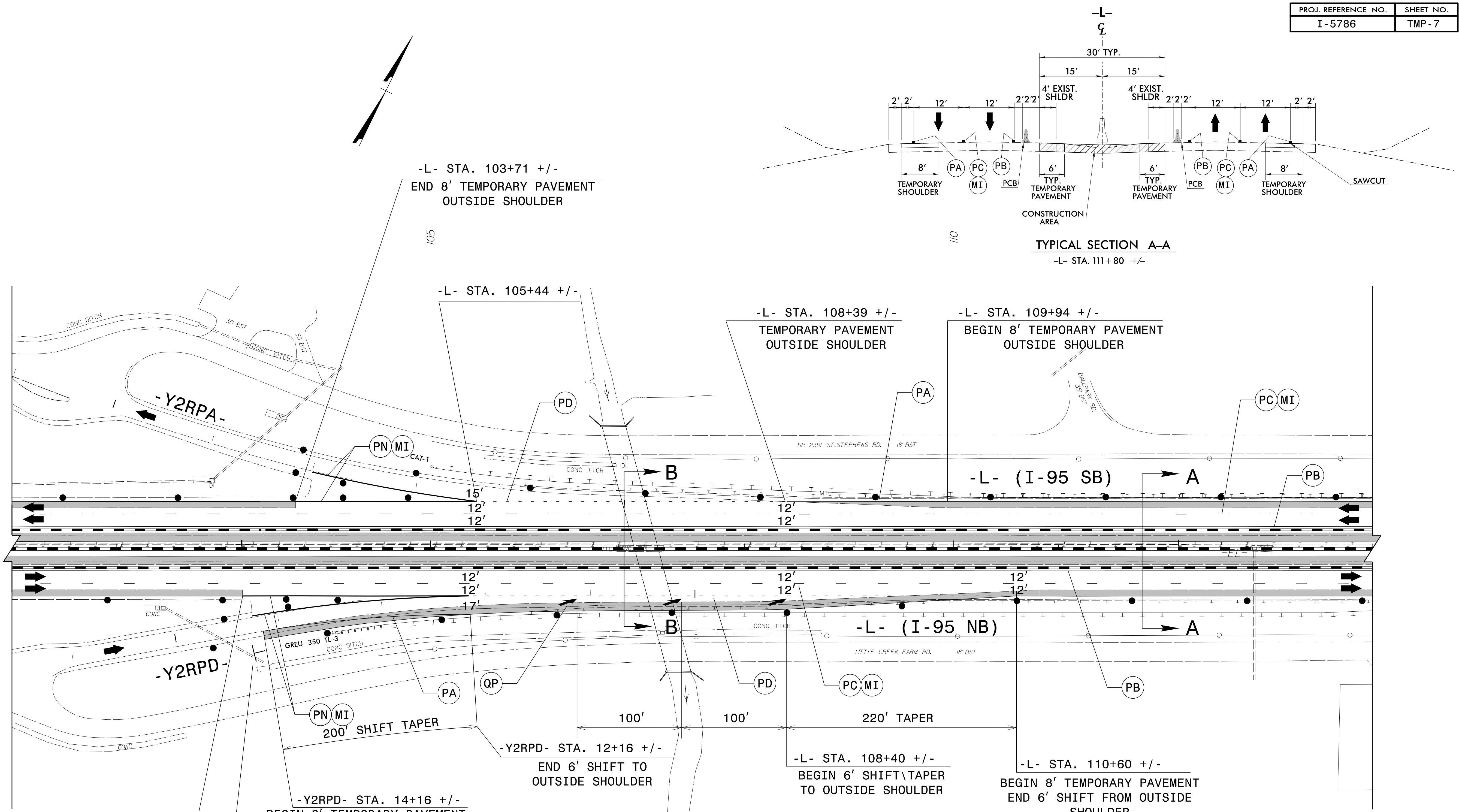
Bob A. May



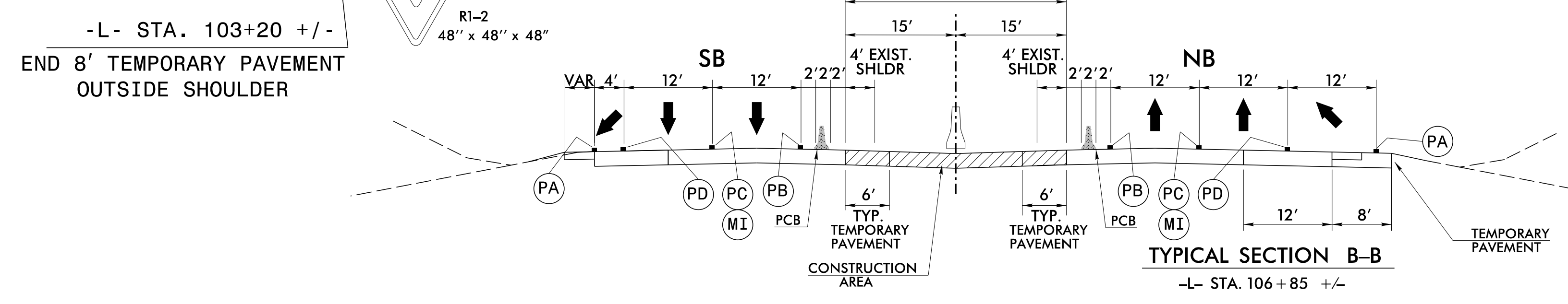
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STATE OF NORTH CAROLINA
DEPARTMENT OF TRANSPORTATION
WORK ZONE TRAFFIC CONTROL

**PHASE I
DETAIL**

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NOTES: SEE SHEET TMP-1A FOR PAVEMENT MARKING SCHEDULE.



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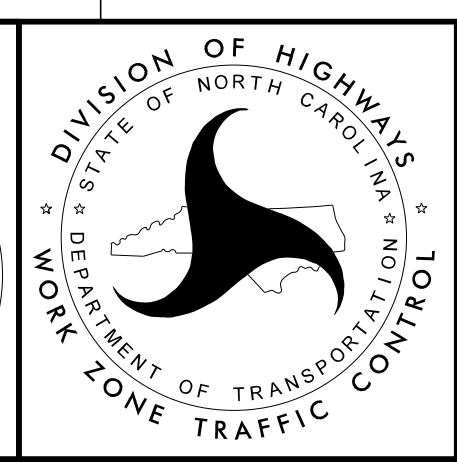
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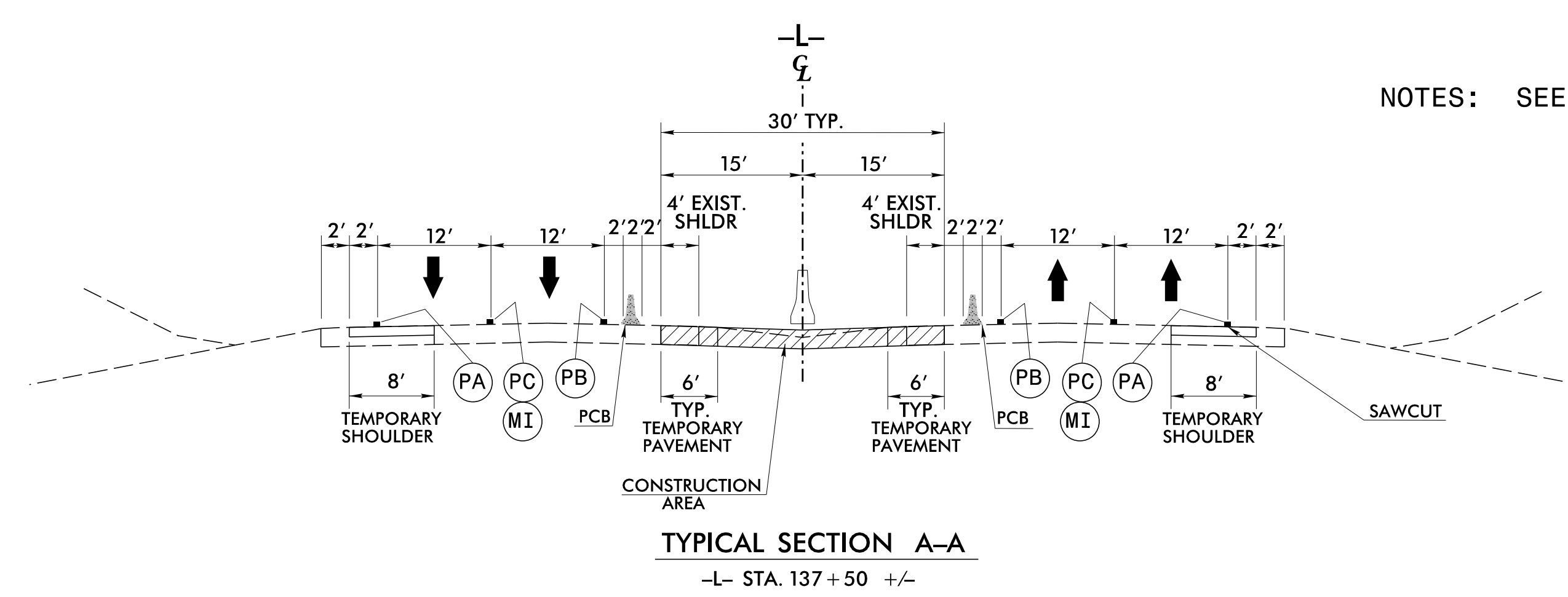
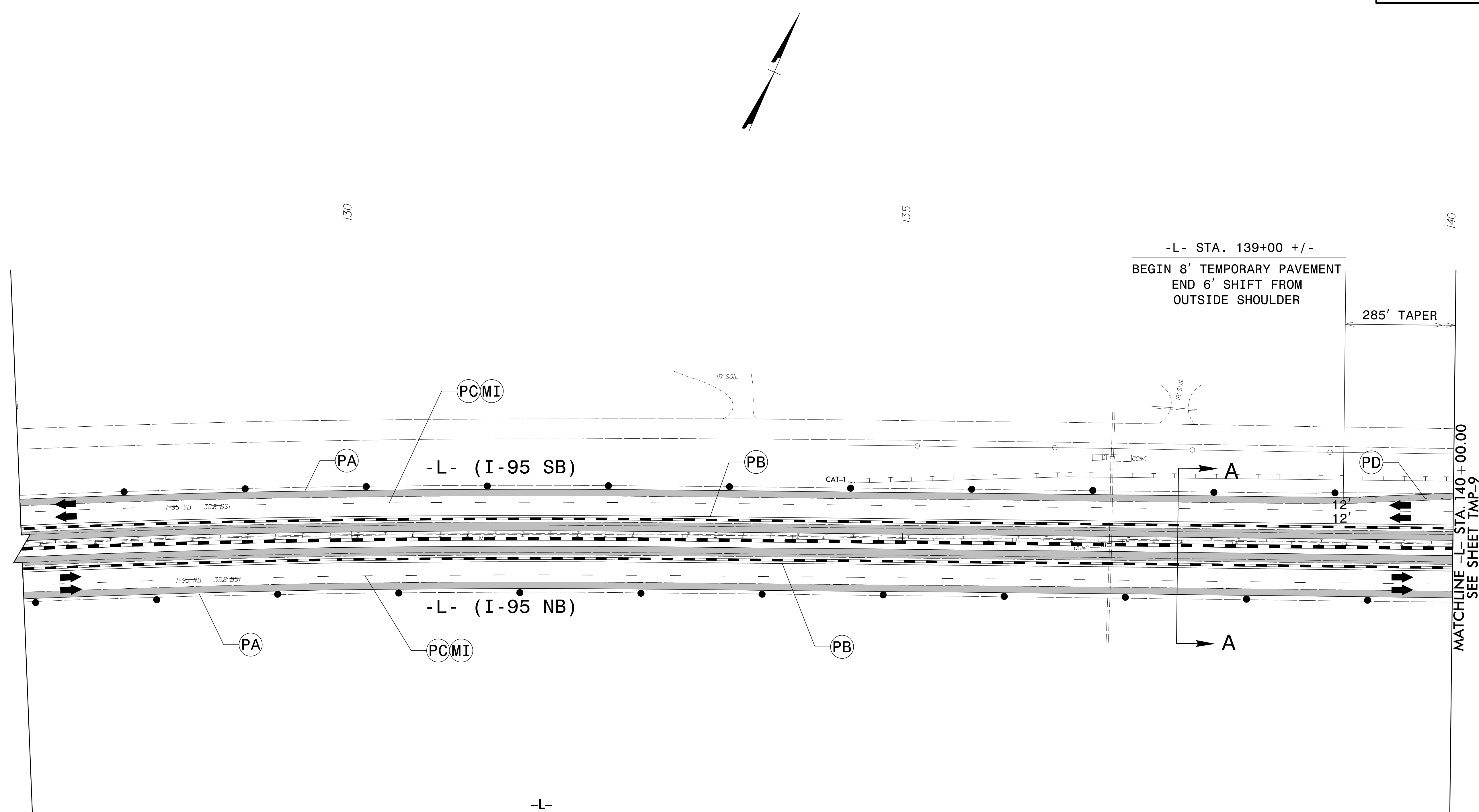
SEAL

Bob A. May
Professional Engineer
No. 21116



**PHASE I
DETAIL**

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NOTES: SEE SHEET TMP-1A FOR PAVEMENT MARKING SCHEDULE.

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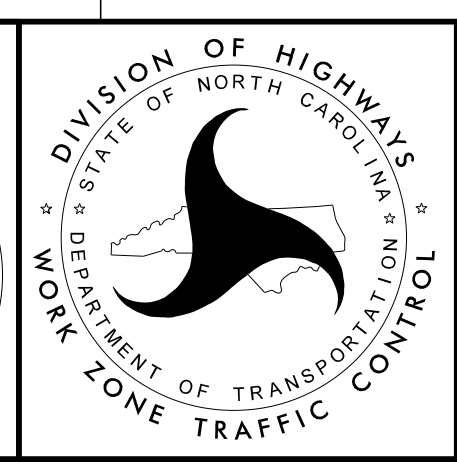
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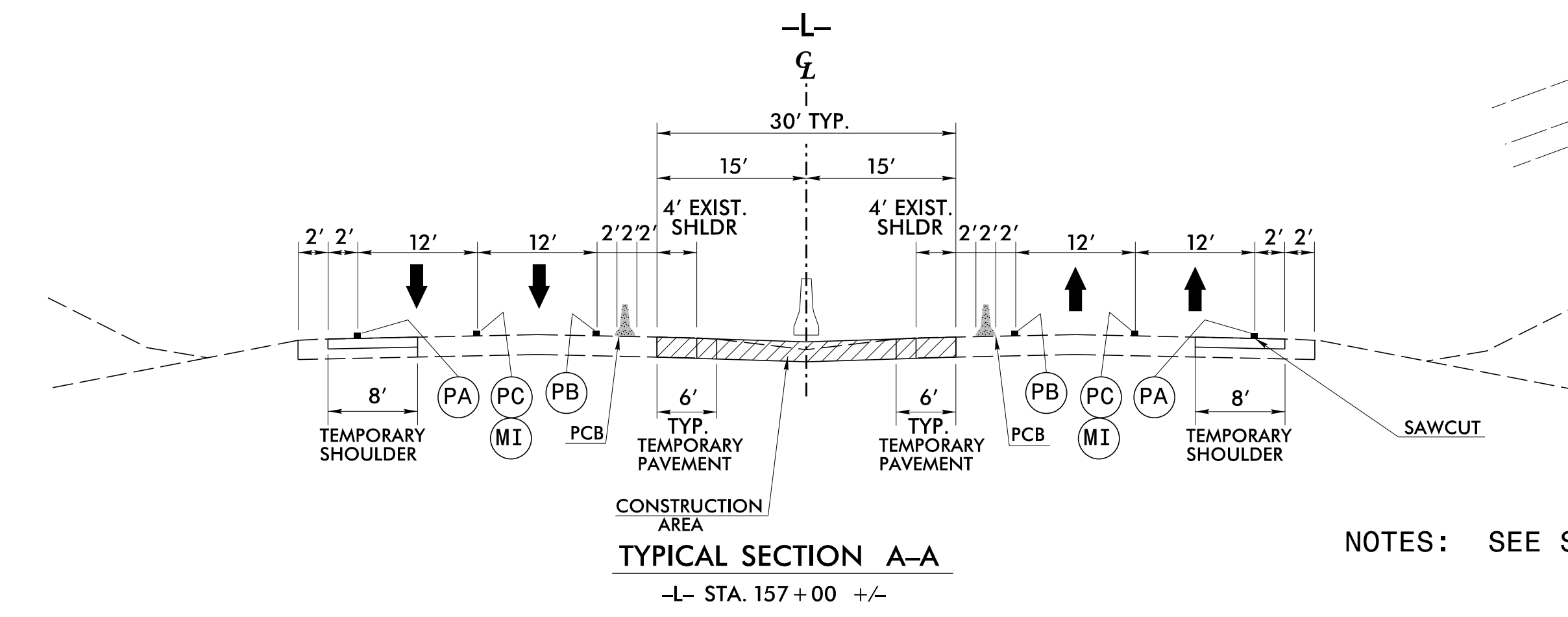
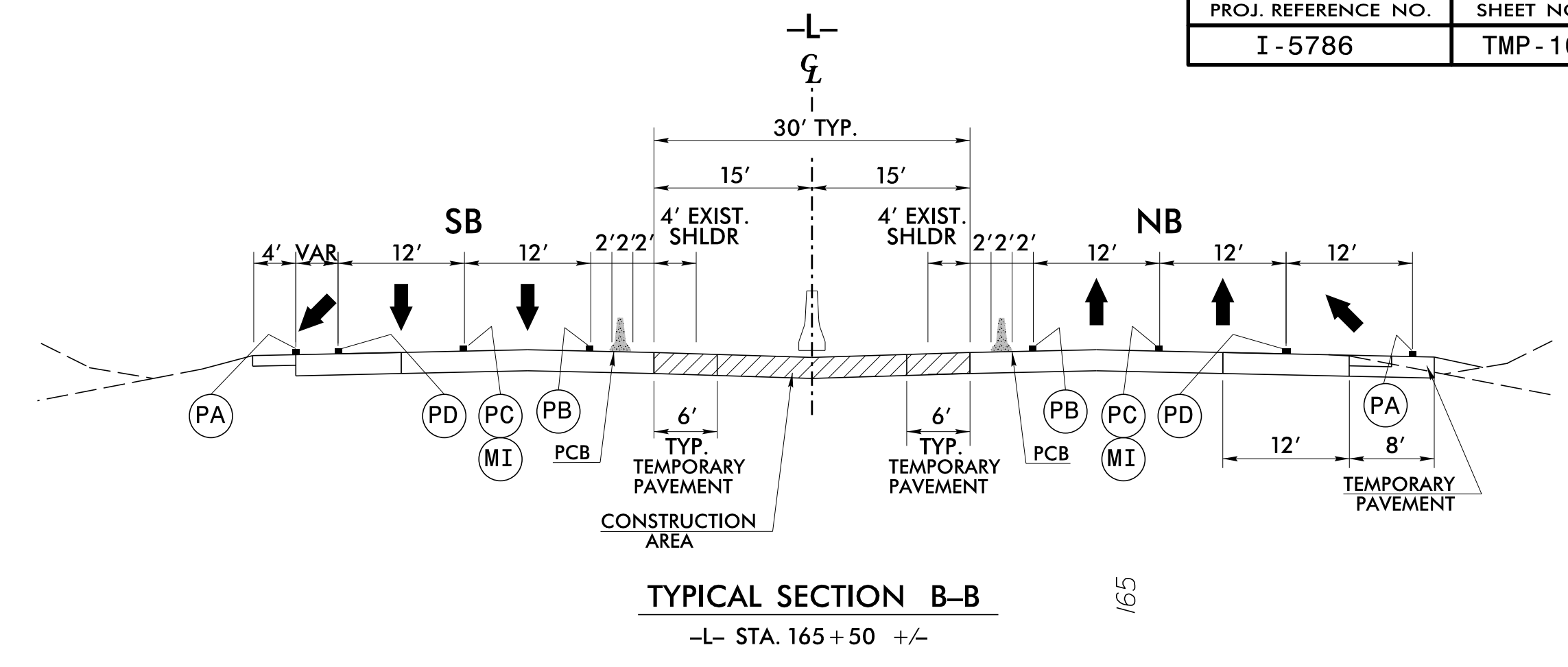
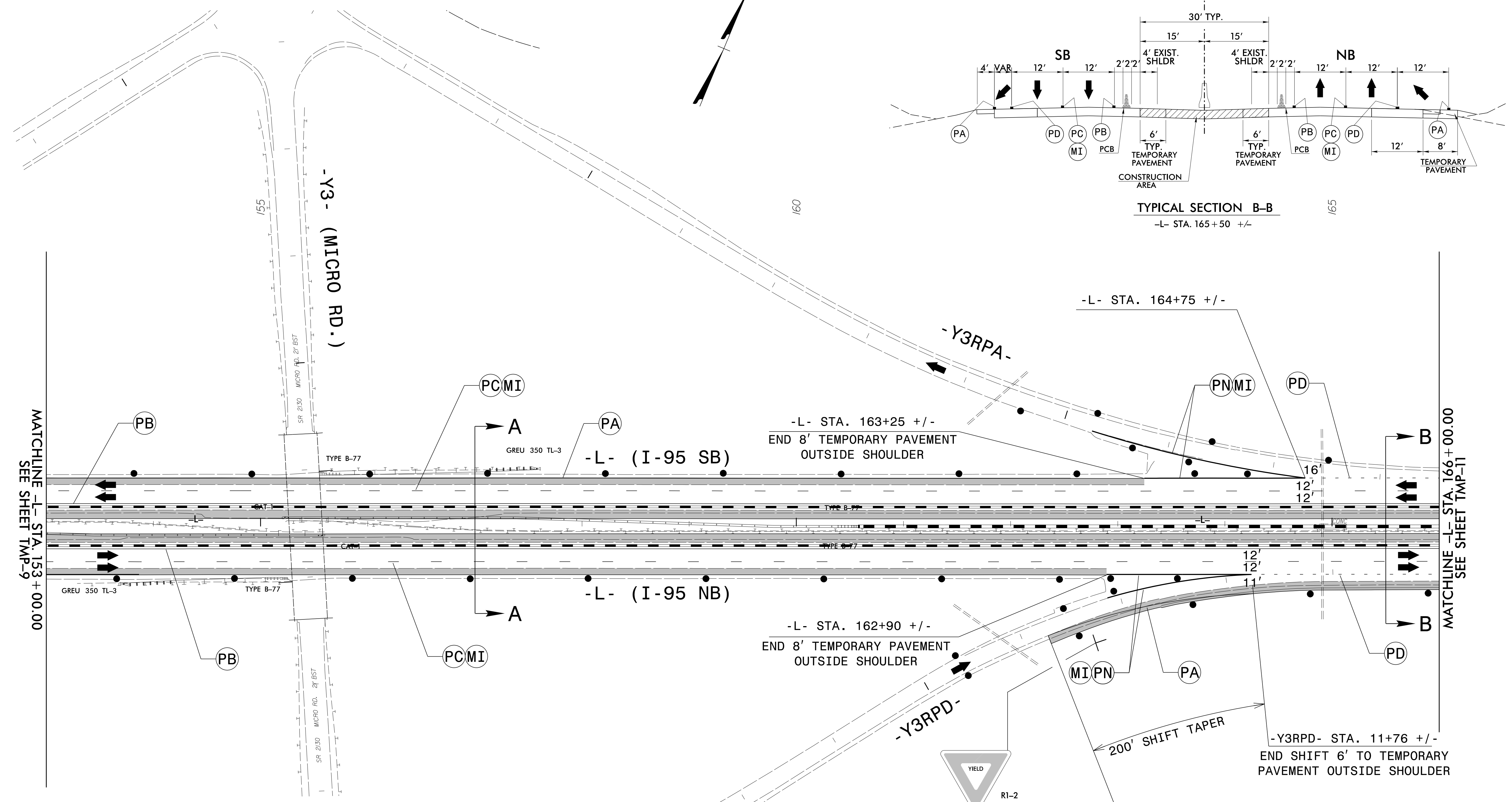
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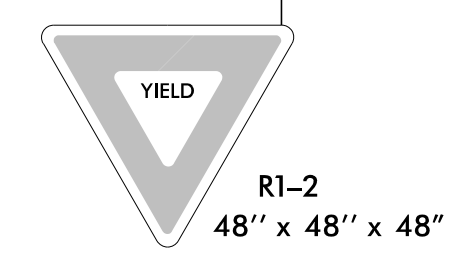
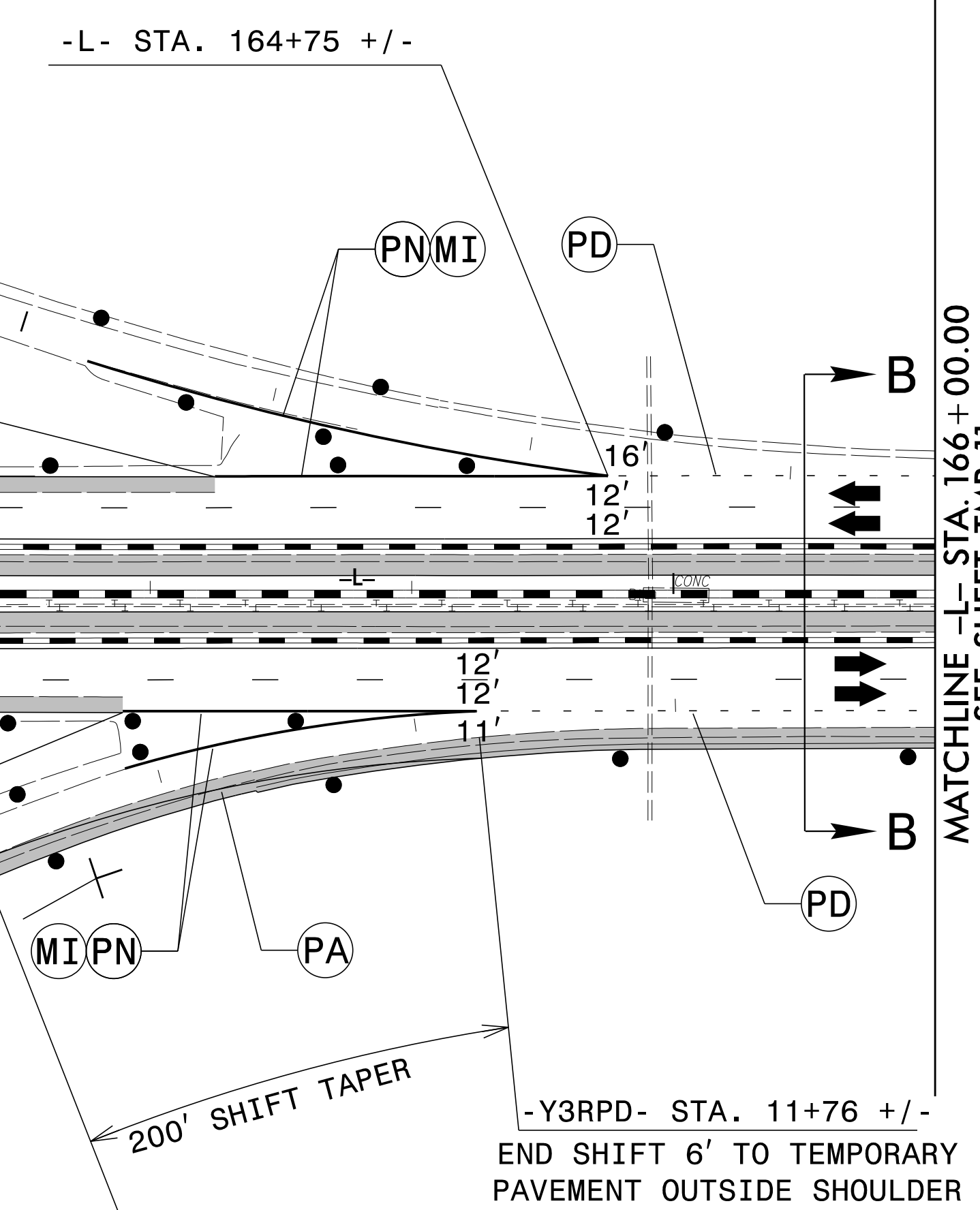


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DETAIL

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NOTES: SEE SHEET TMP-1A FOR PAVEMENT MARKING SCHEDULE.



-Y3RPD- STA. 13+76 +/-
 BEGIN SHIFT 6' TO
 OUTSIDE SHOULDER
 END 8' TEMPORARY PAVEMENT

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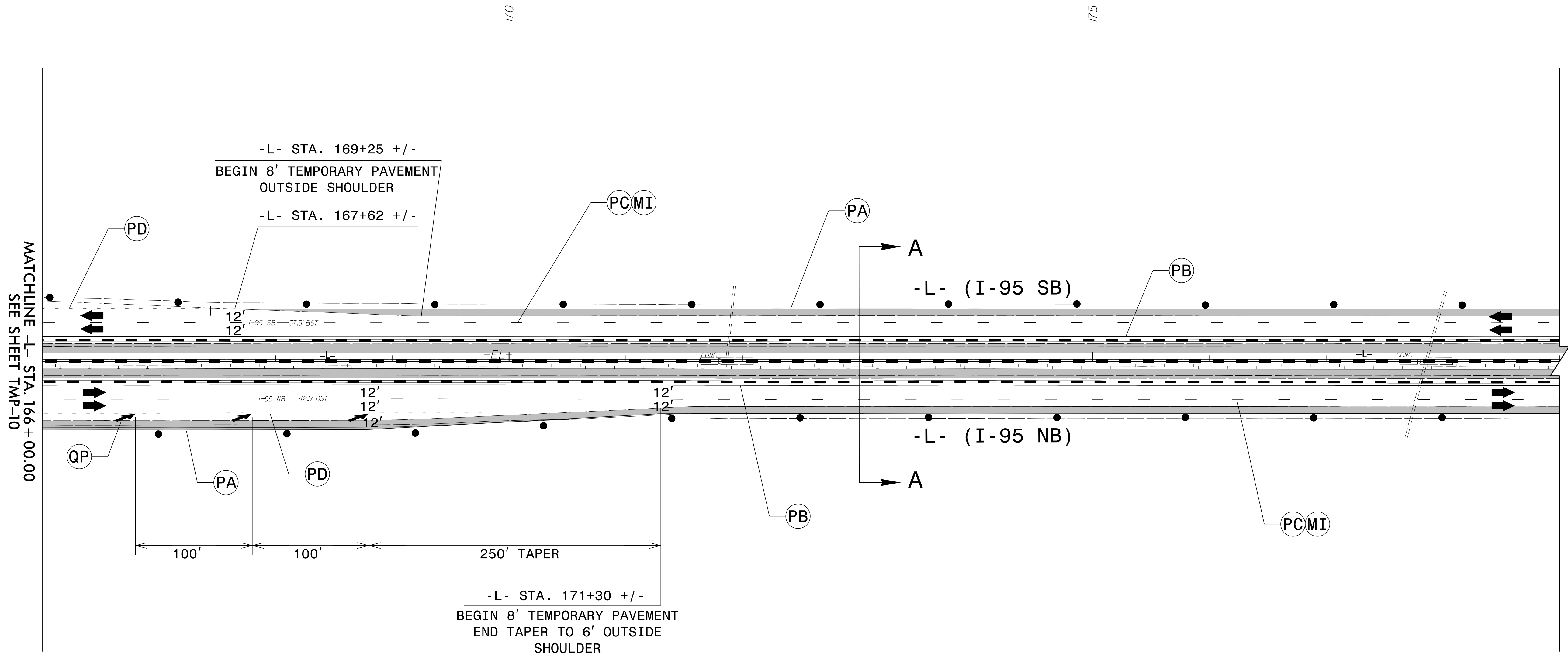
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Designed by: Bob A. May

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 STATE OF NORTH CAROLINA
 DEPARTMENT OF TRANSPORTATION
 WORK ZONE TRAFFIC CONTROL

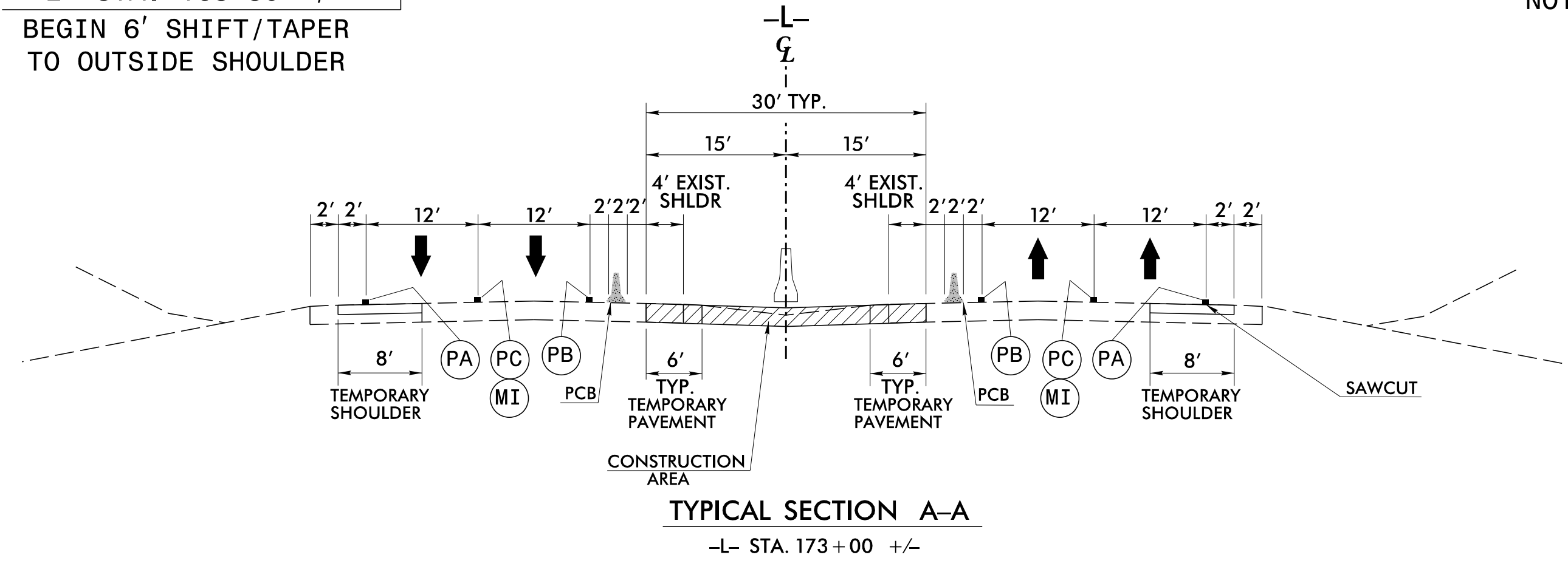
PHASE I
DETAIL

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NOTES: SEE SHEET TMP-1A FOR PAVEMENT MARKING SCHEDULE.

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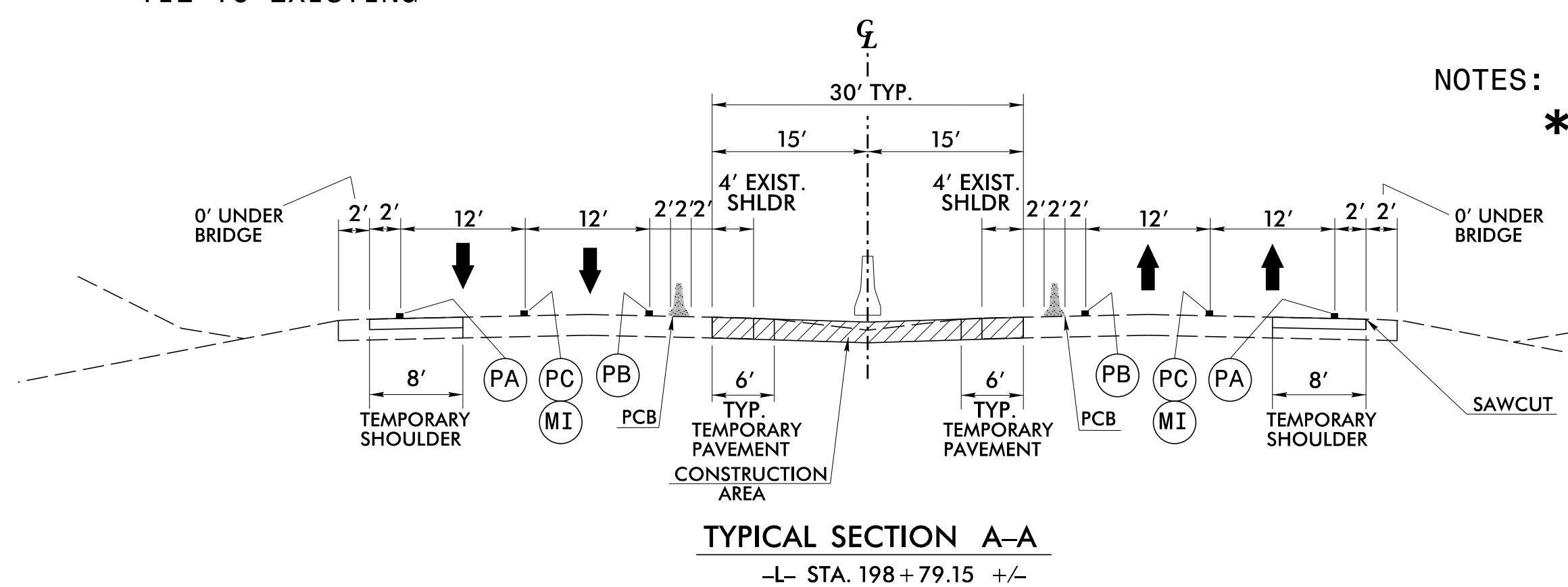
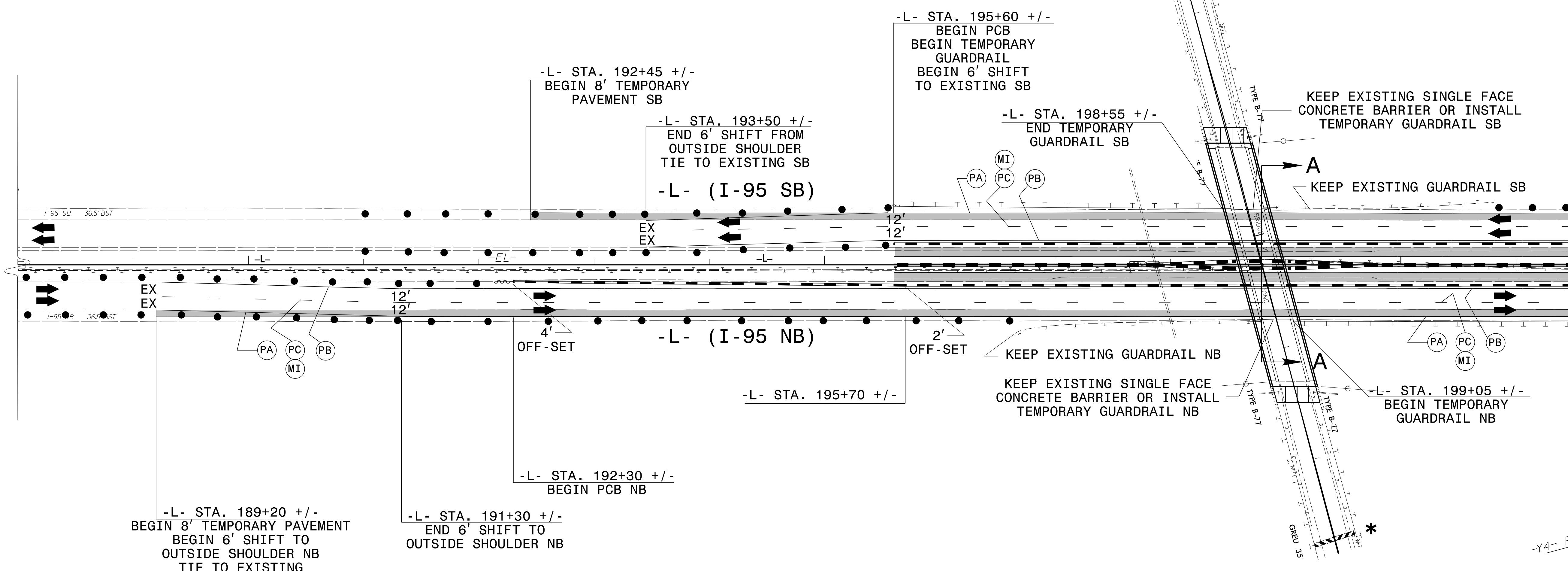
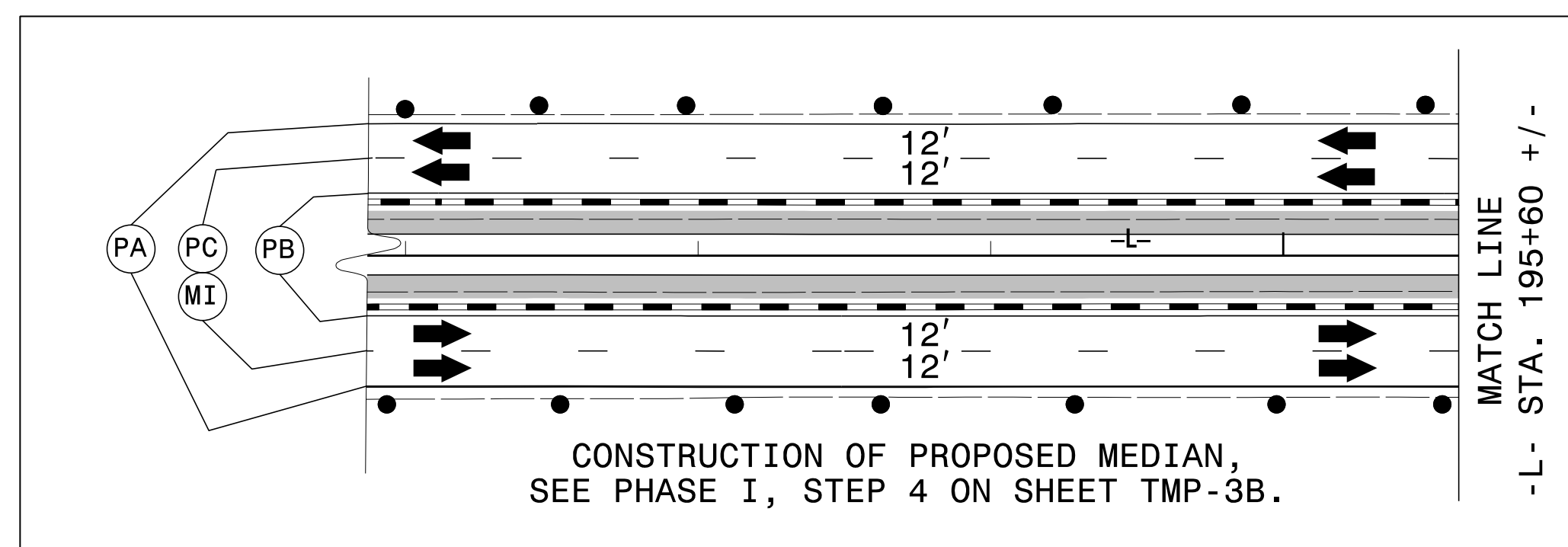
Designed by: Bob A. May

NORTH CAROLINA PROFESSIONAL ENGINEER SEAL 21116 BOB A. MAY

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

PHASE I
DETAIL

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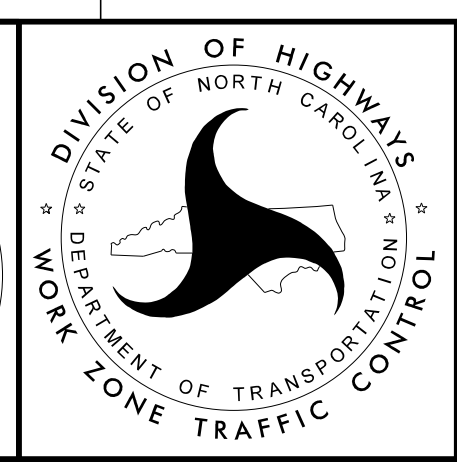
NOTES: SEE SHEET TMP-1A FOR PAVEMENT MARKING SCHEDULE.
 * SEE SHEET TMP-2D FOR OFF-SITE DETOURS.

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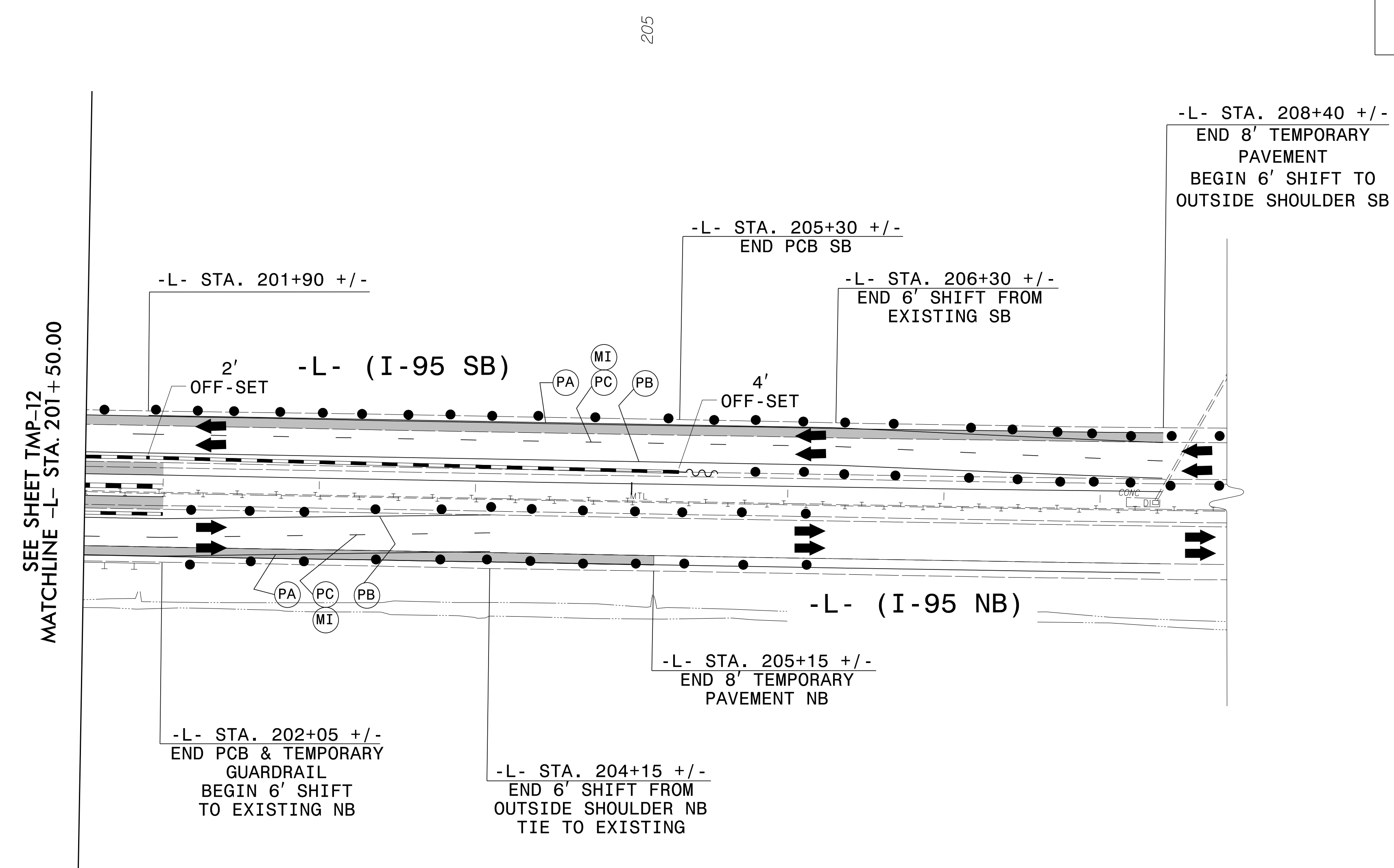
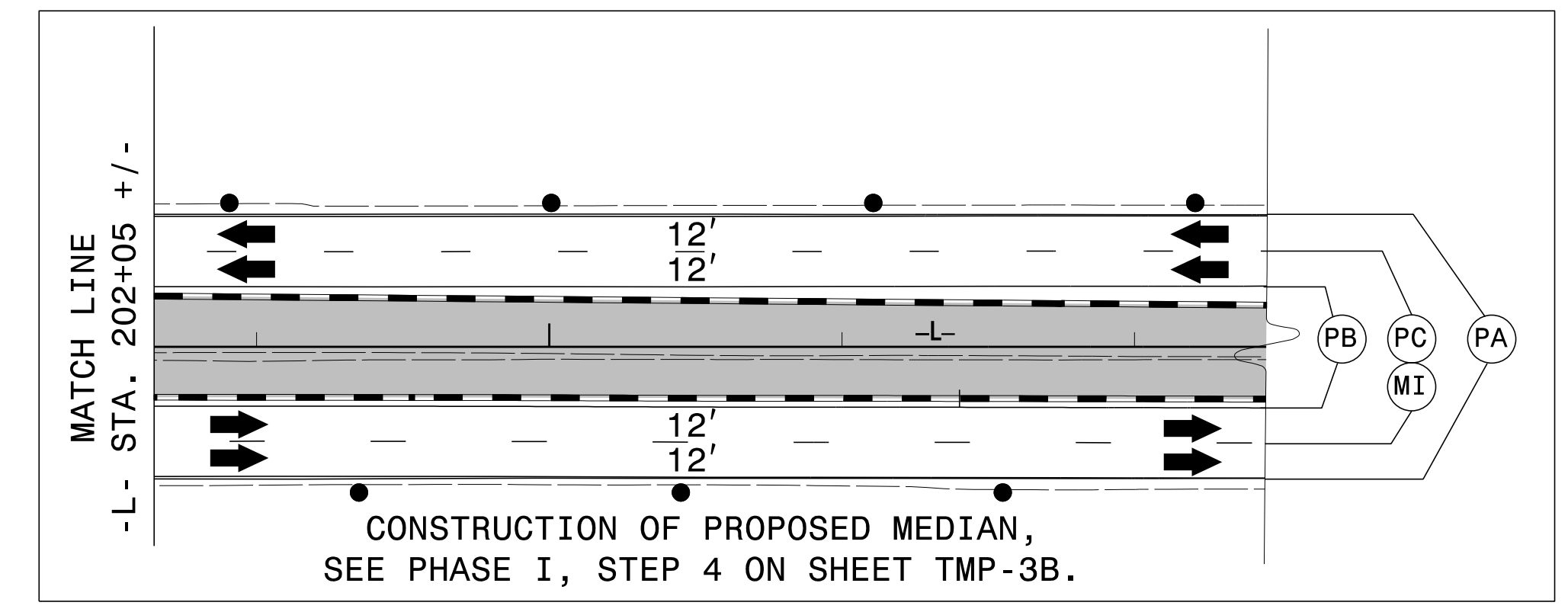
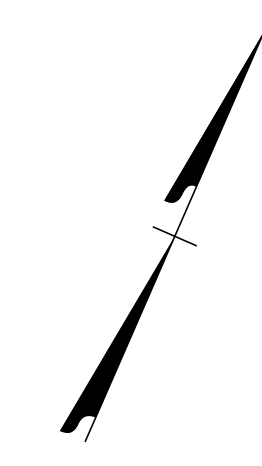
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**PHASE I
 DETAIL
 BRIDGE # 111
 BIZZLE GROVE
 CHURCH ROAD -Y4-**

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MATCHLINE -L- STA. 201+50.00
 SEE SHEET TMP-13



SEE SHEET TMP-12
MATCHLINE -L- STA. 201+50.00

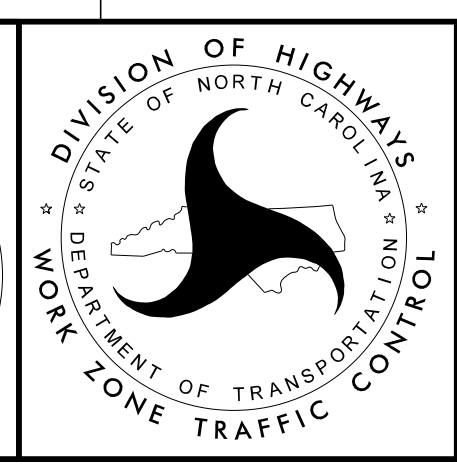
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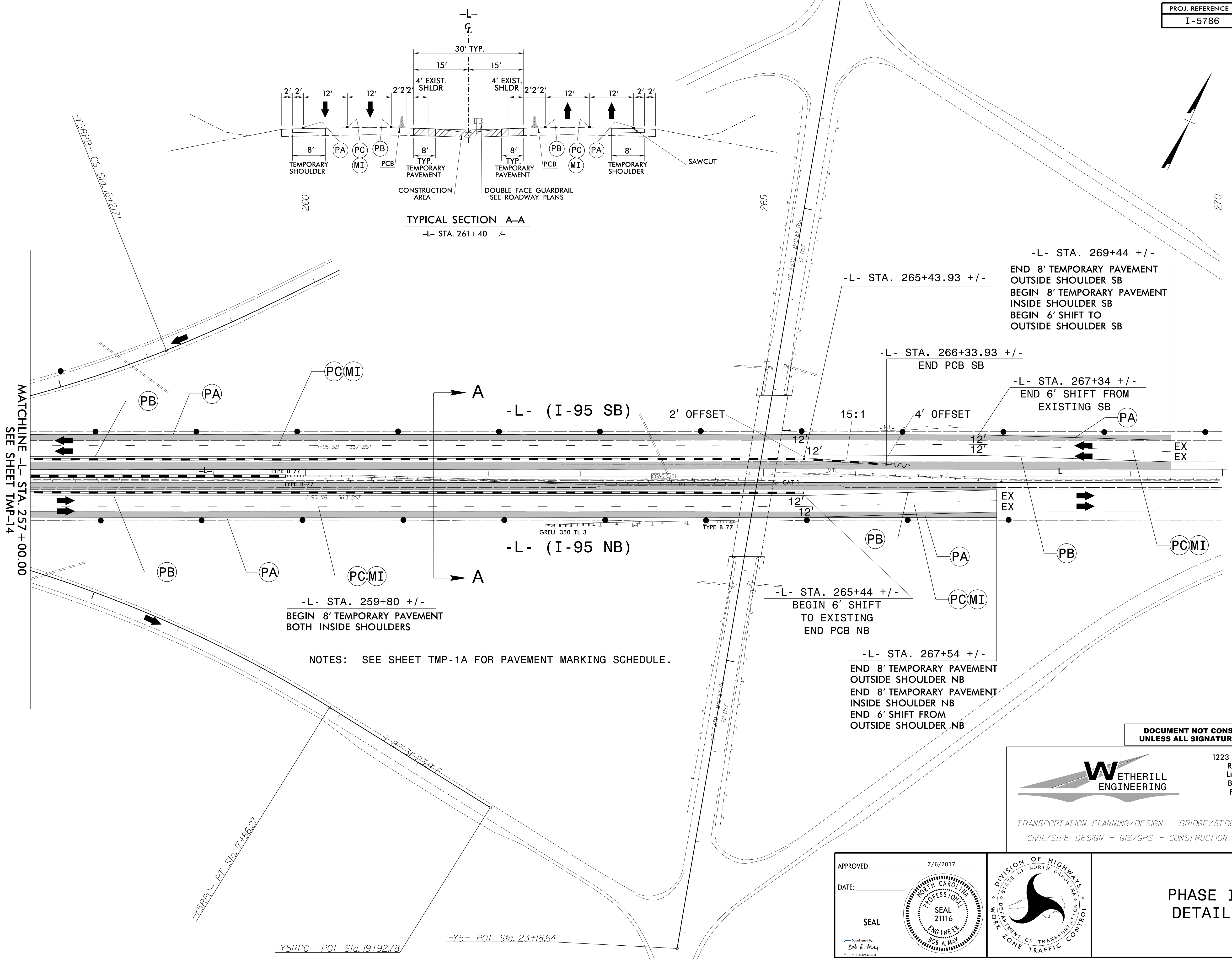
NOTES: SEE SHEET TMP-1A FOR PAVEMENT MARKING SCHEDULE.

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**PHASE I
DETAIL
BRIDGE # 111
BIZZLE GROVE
CHURCH ROAD -Y4-**

7/6/2017
P:\2017\I-5786\TrafficControl\TCPV\I-5786_TC_TMP_PSH_13.dgn
User: rskennedy



TYPICAL SECTION A-A
 -L- STA. 261+40 +/-

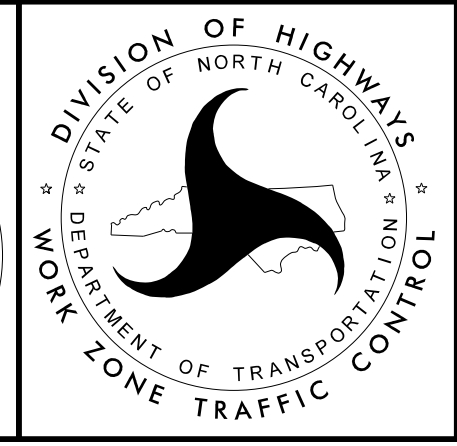
NOTES: SEE SHEET TMP-1A FOR PAVEMENT MARKING SCHEDULE.

**DOCUMENT NOT CONSIDERED FINAL
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 1223 Jones Franklin Rd.
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 Bus: 919 851 8077
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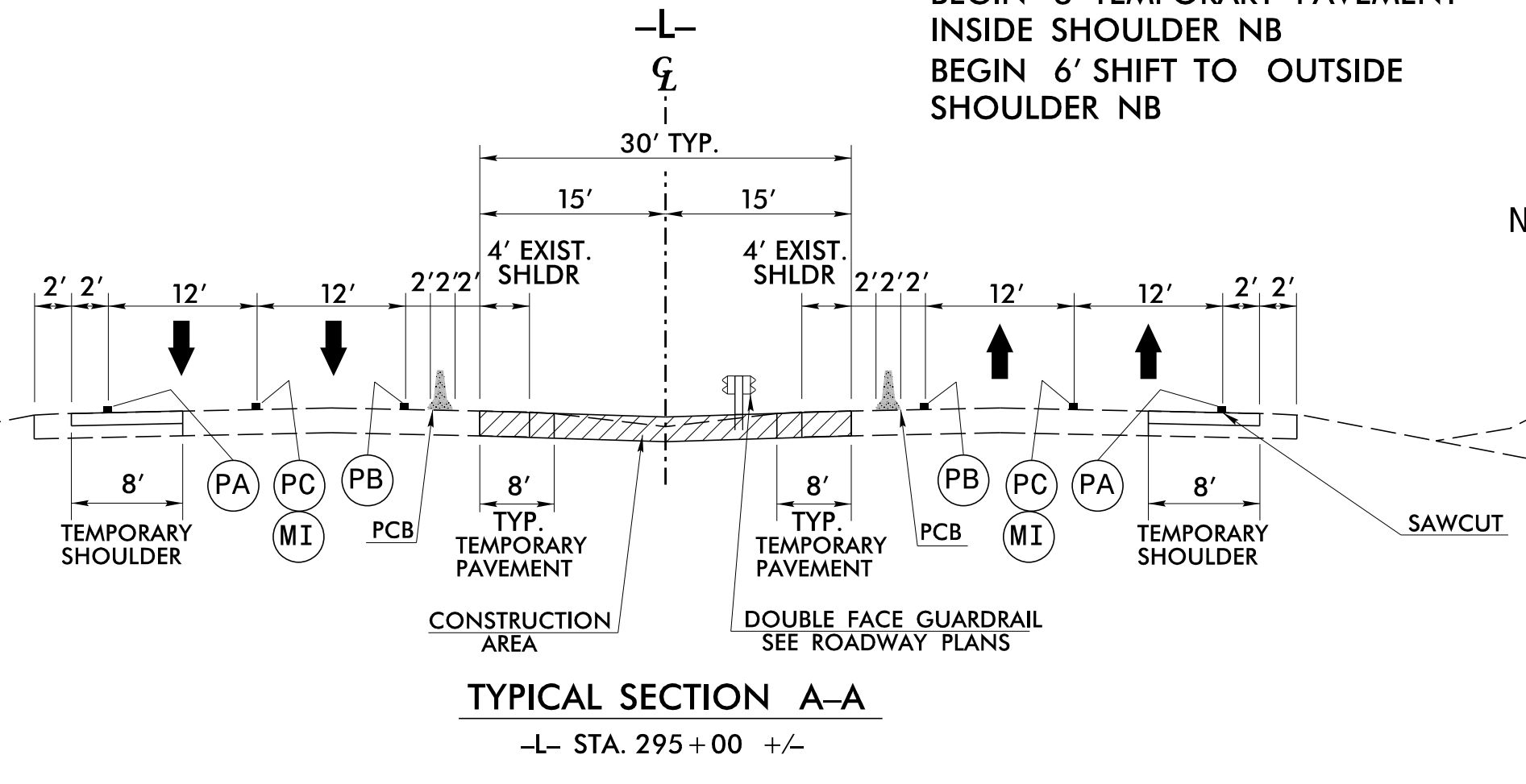
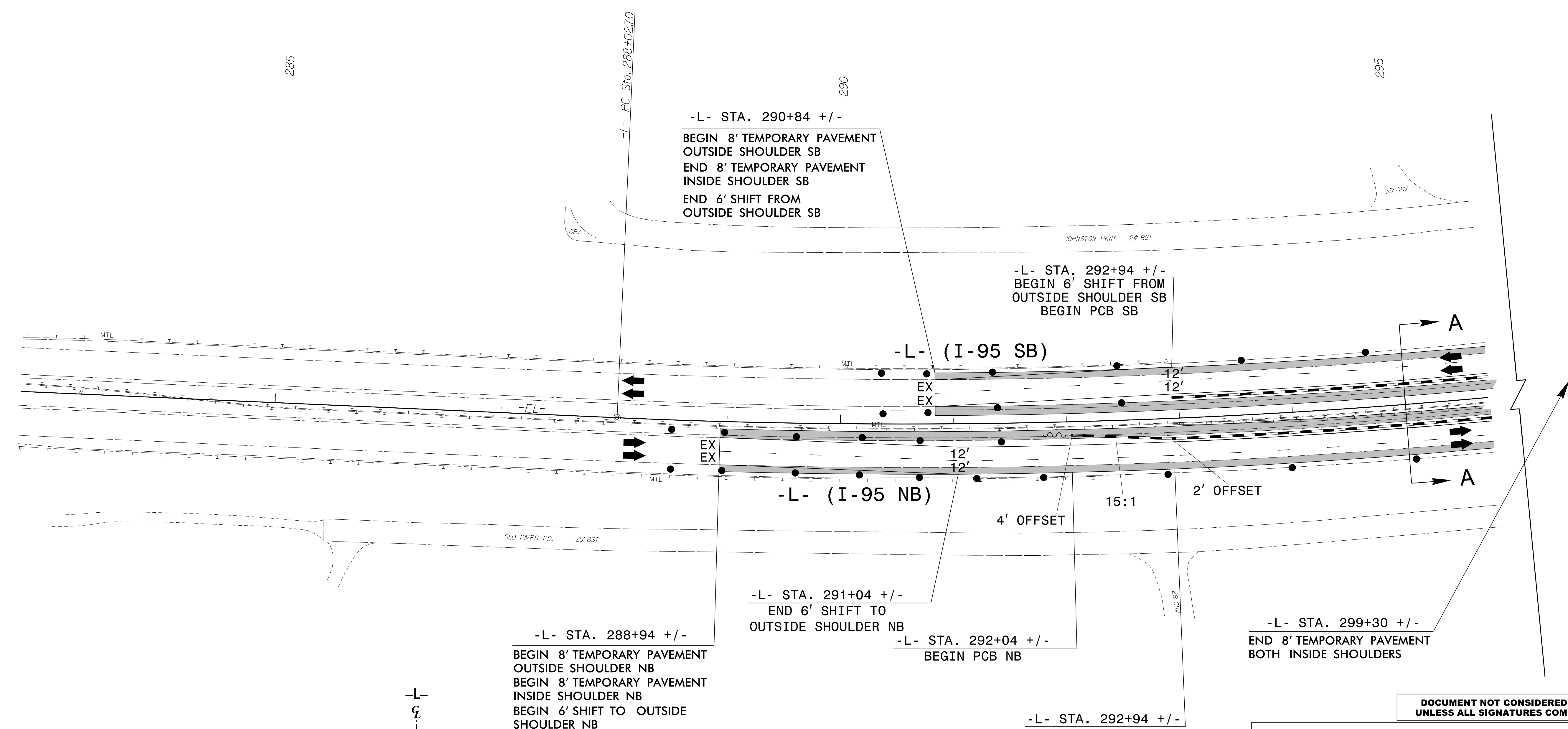
TRANSPORTATION PLANNING/DESIGN - BRIDGE/STRUCTURE DESIGN
 CIVIL/SITE DESIGN - GIS/GPS - CONSTRUCTION OBSERVATION

APPROVED: 7/6/2017
 DATE:
 SEAL
 Bob A. May
 5170040240240



**PHASE I
 DETAIL**

7/6/2017
 P:\2017\I-5786\TrafficControl\TCPV\I-5786_TC_TMP_PSH_I5.dgn
 User: skennedy



NOTES: SEE SHEET TMP-1A FOR PAVEMENT MARKING SCHEDULE.

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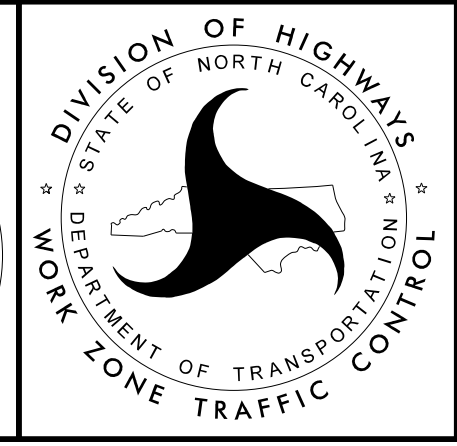
TRANSPORTATION PLANNING/DESIGN - BRIDGE/STRUCTURE DESIGN
 CIVIL/SITE DESIGN - GIS/GPS - CONSTRUCTION OBSERVATION

APPROVED: 7/6/2017

DATE:

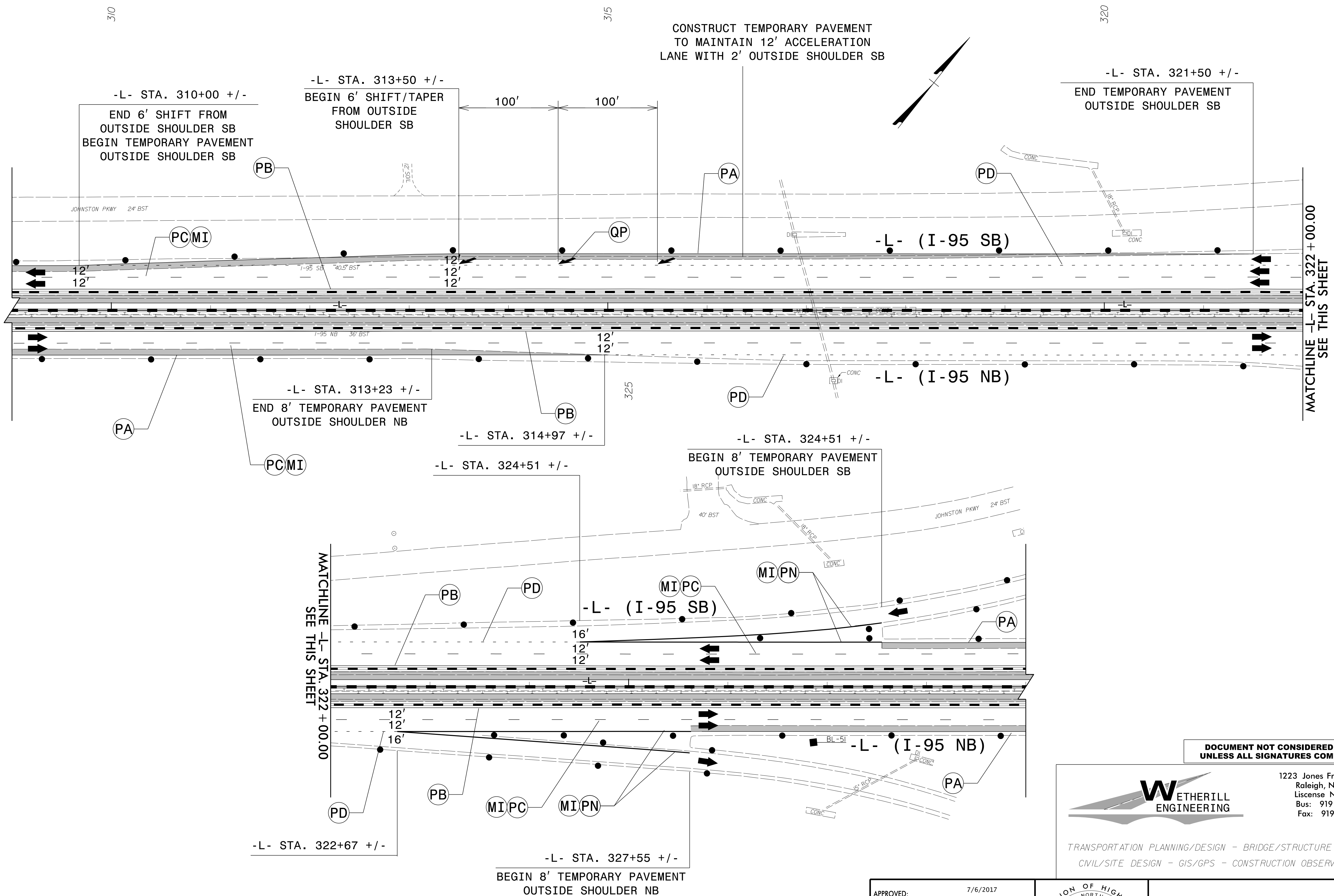
SEAL

Designed by: Bob A. May



PHASE I
DETAIL


7/6/2017
P:\2017\I-5786\TrafficControl\TCPV\I-5786_TC_TMP_PSH_16.dgn
User: skennedy



7/6/2017
 P:\2017\I-5786\TrafficControl\TCP\I-5786_TC_TMP_PSH.17.dgn
 User:rskenney

NOTES: SEE SHEET TMP-1A FOR PAVEMENT MARKING SCHEDULE.

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 CIVIL/SITE DESIGN - GIS/GPS - CONSTRUCTION OBSERVATION

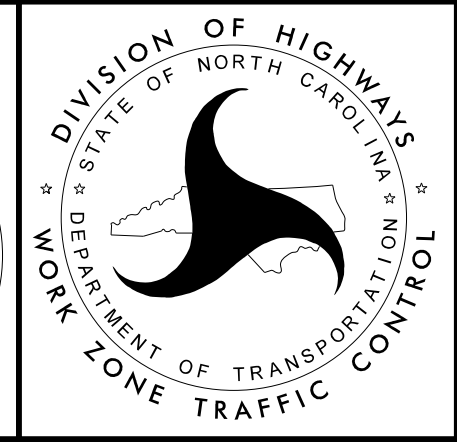
APPROVED: _____ 7/6/2017

DATE: _____

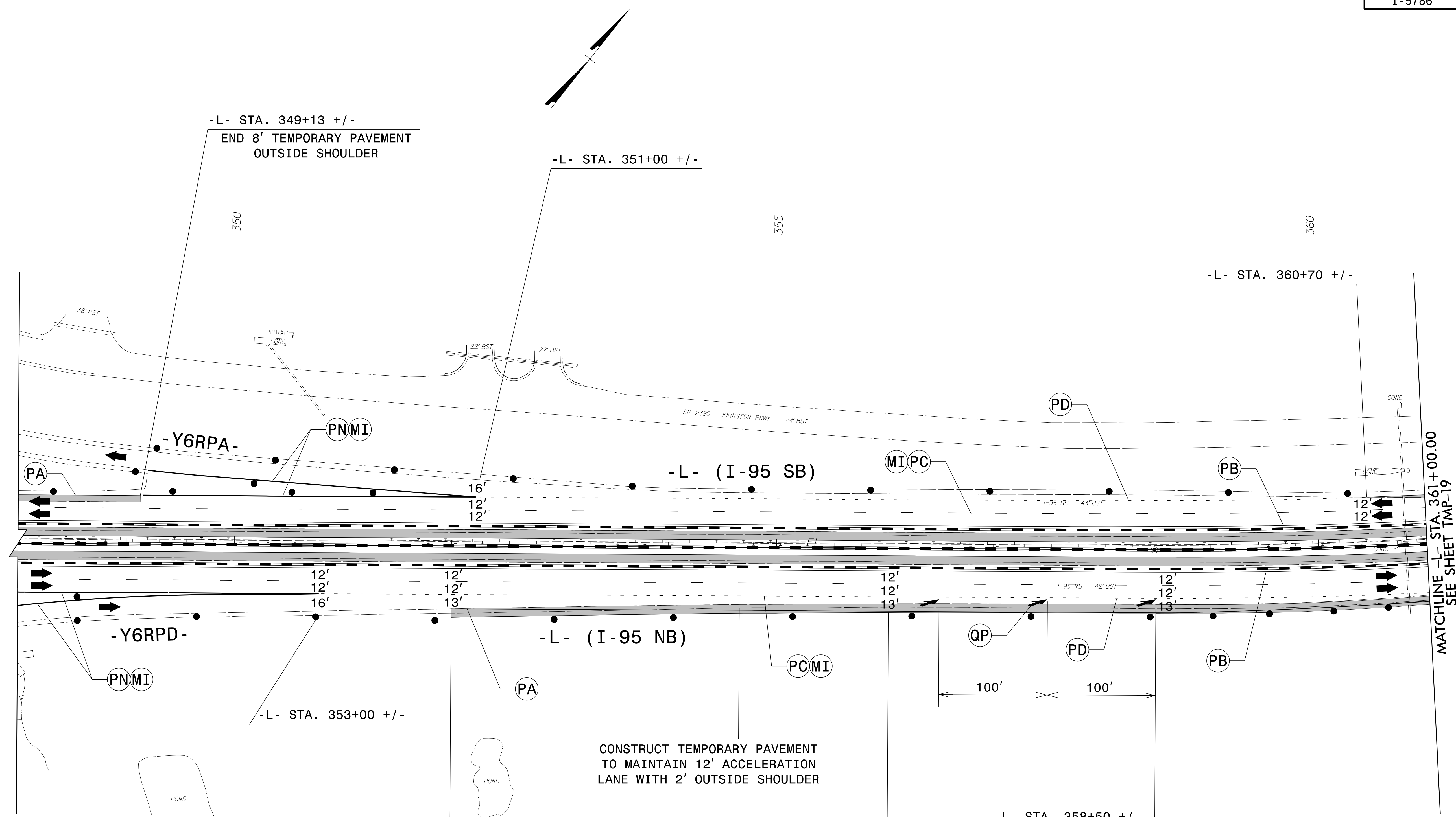
SEAL



Designed by: Bob A. May



**PHASE I
DETAIL**



CONSTRUCT TEMPORARY PAVEMENT TO MAINTAIN 12' ACCELERATION LANE WITH 2' OUTSIDE SHOULDER

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TRANSPORTATION PLANNING/DESIGN - BRIDGE/STRUCTURE DESIGN
CIVIL/SITE DESIGN - GIS/GPS - CONSTRUCTION OBSERVATION

NOTES: SEE SHEET TMP-1A FOR PAVEMENT MARKING SCHEDULE.

APPROVED: 7/6/2017

DATE:

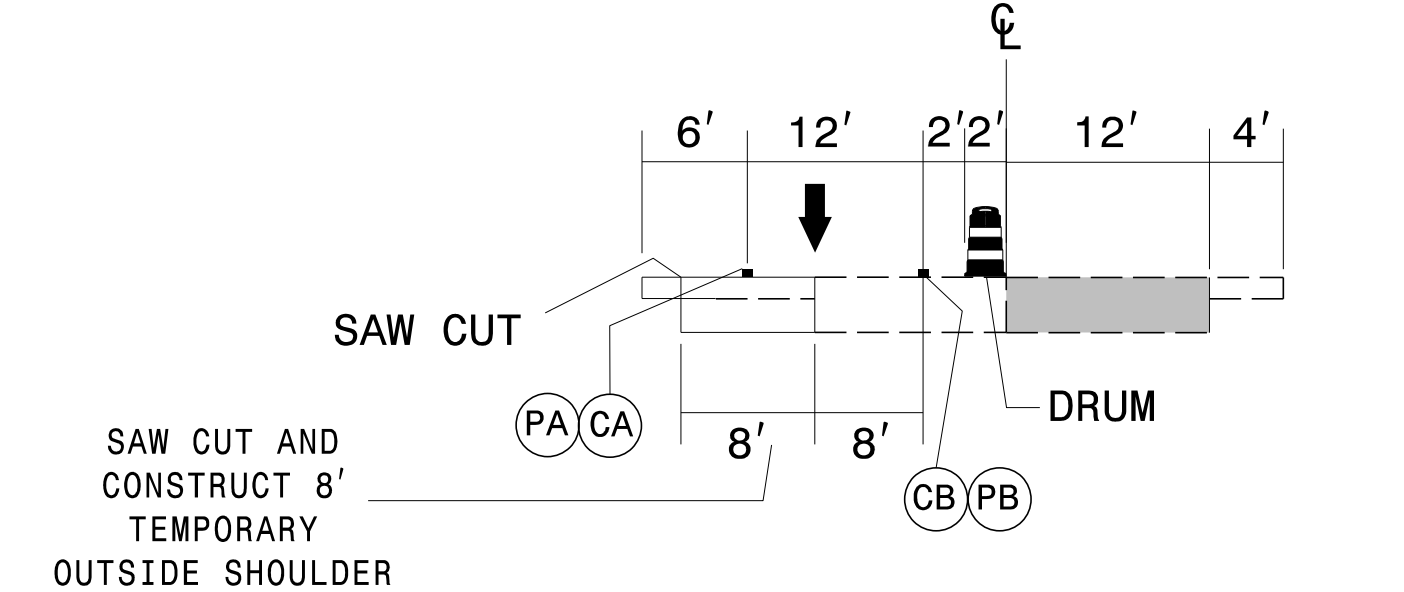
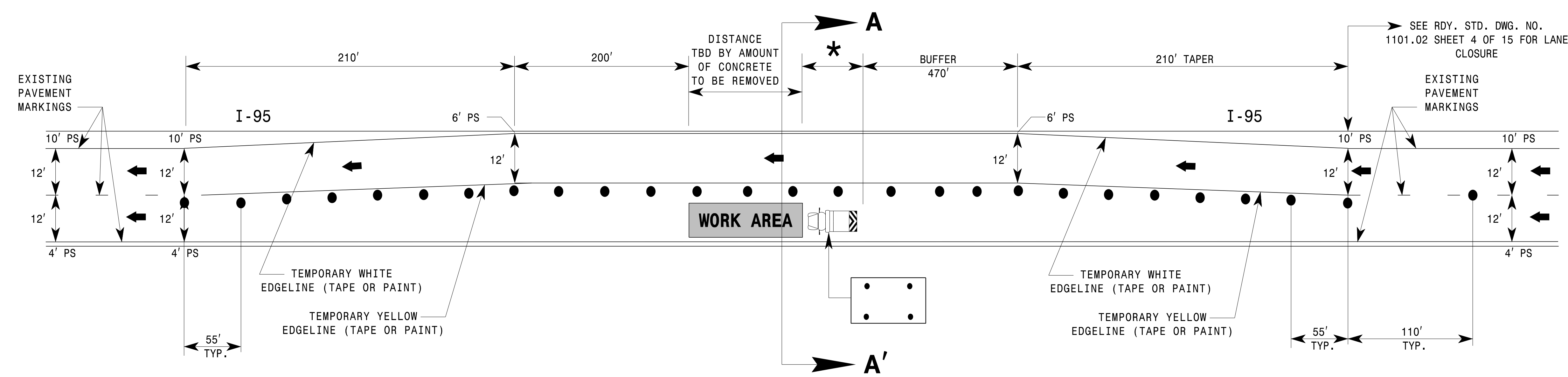
SEAL

Bob A. May



PHASE I DETAIL

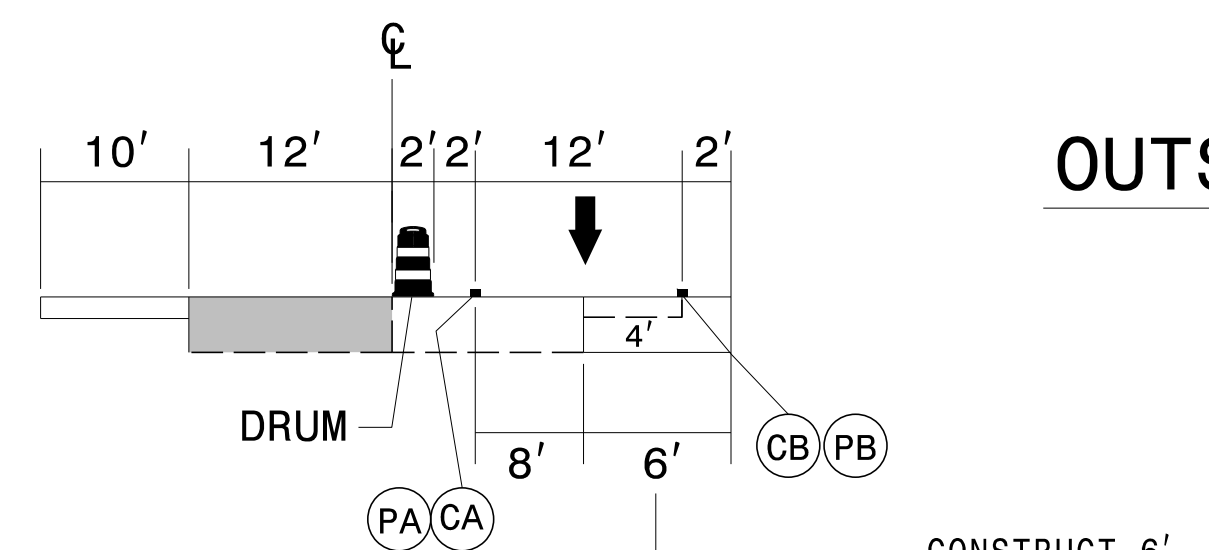
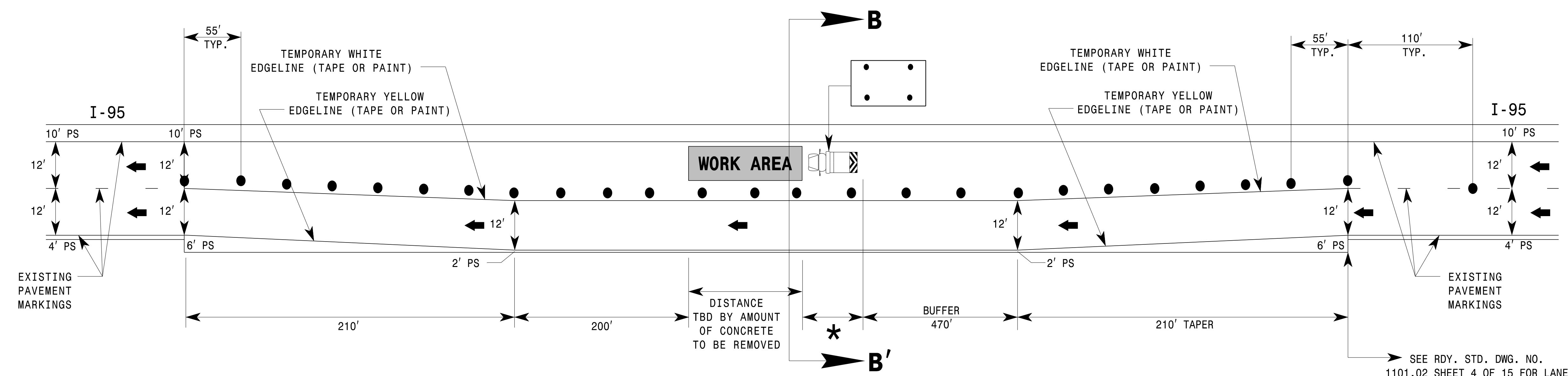
7/6/2017 P:\2017\I-5786\TrafficControl\TCPV\5786_TC_TMP_PSH_18.dgn User:skennedy



TYPICAL SECTION A-A'

INSIDE LANE CLOSURE DETAIL - PLAN AND SECTION VIEWS

* POSITION THE TMA TO MAINTAIN A ROLL-AHEAD DISTANCE AS RECOMMENDED BY THE MANUFACTURER.



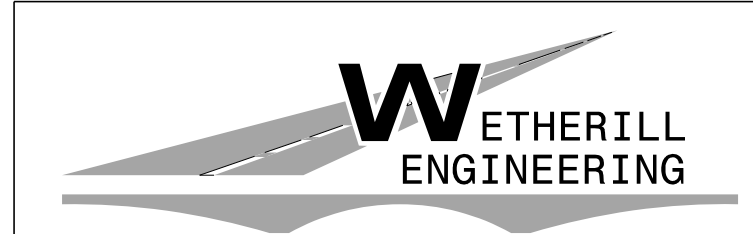
TYPICAL SECTION B-B'

OUTSIDE LANE CLOSURE DETAIL - PLAN AND SECTION VIEWS

* POSITION THE TMA TO MAINTAIN A ROLL-AHEAD DISTANCE AS RECOMMENDED BY THE MANUFACTURER.

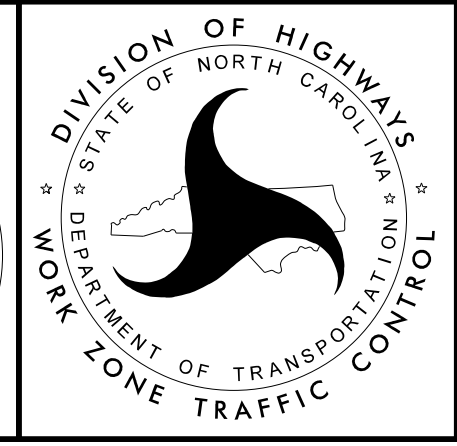
5/22/2017 P:\2017\I-5786\TrafficControl\TCPV\I-5786_TC_TMP_PSH_20.dgn User:skennedy

DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED



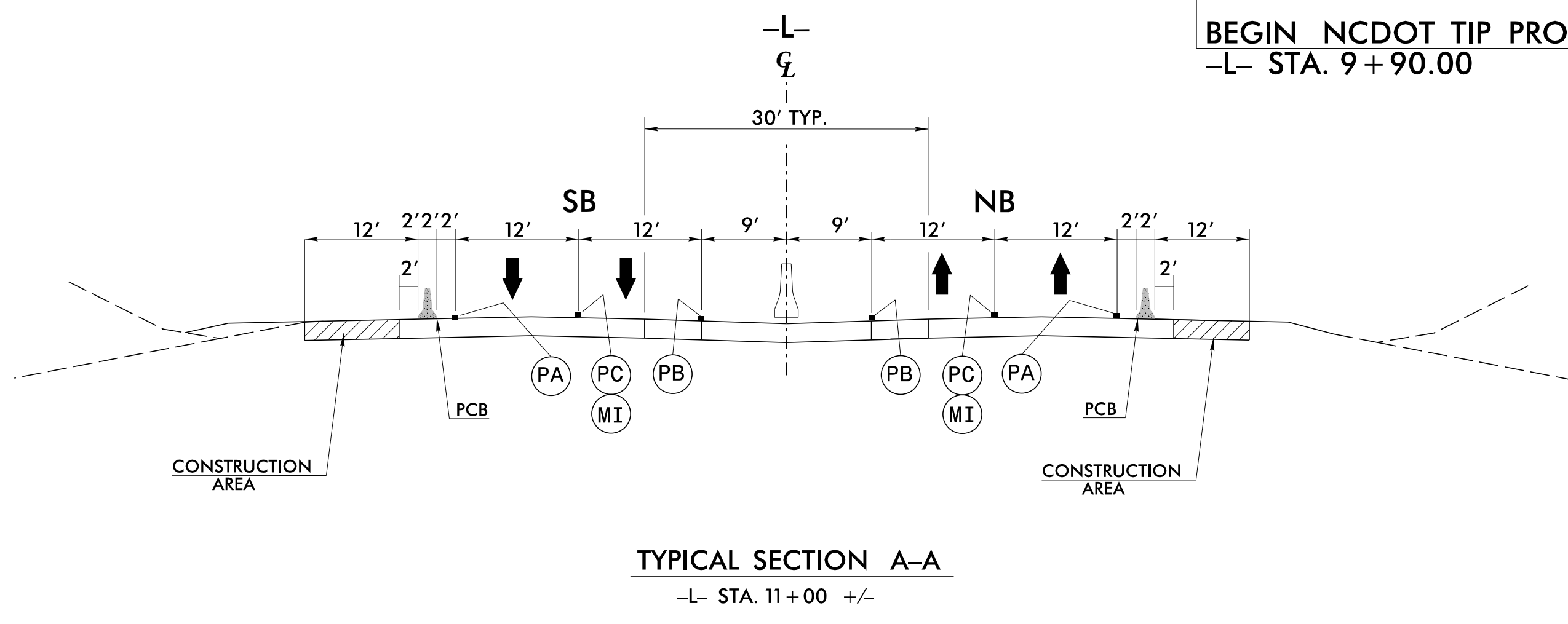
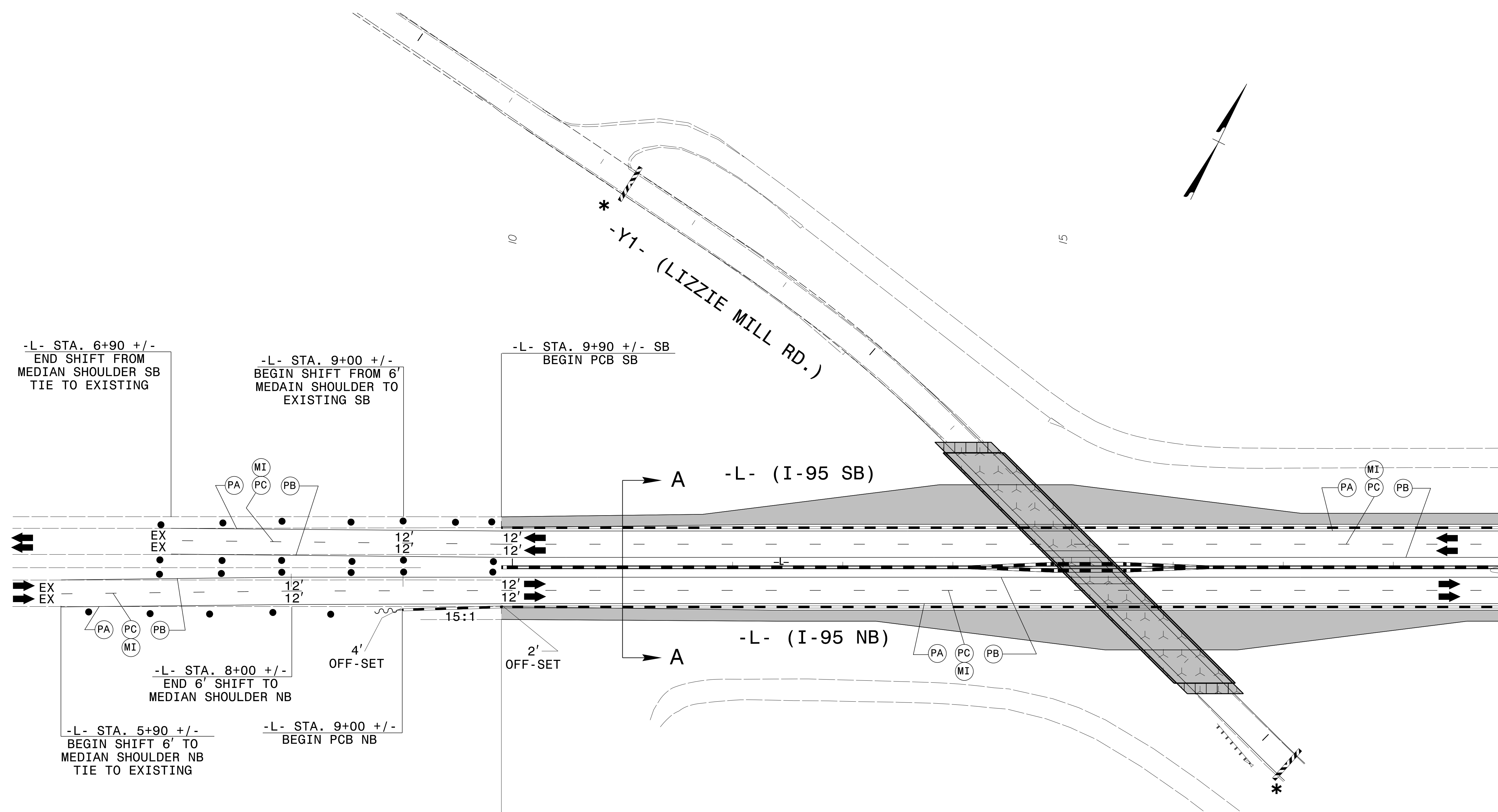
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SEAL: _____
Bob A. May



CONCRETE PAVEMENT REMOVAL DETAILS

TRANSPORTATION PLANNING/DESIGN - BRIDGE/STRUCTURE DESIGN
CIVIL/SITE DESIGN - GIS/GPS - CONSTRUCTION OBSERVATION



NOTES: SEE SHEET TMP-1A FOR PAVEMENT MARKING SCHEDULE.
* SEE SHEET TMP-2C FOR OFF-SITE DETOURS.

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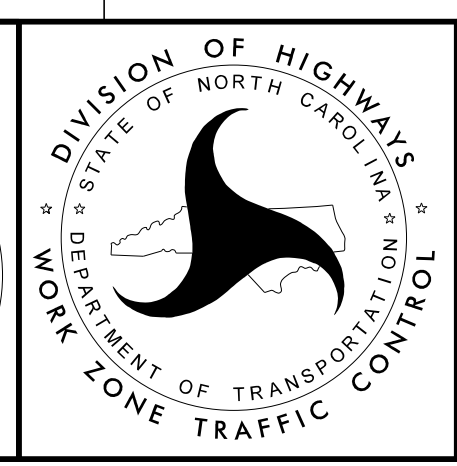
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CIVIL/SITE DESIGN - GIS/GPS - CONSTRUCTION OBSERVATION

APPROVED: 6/5/2017

DATE:

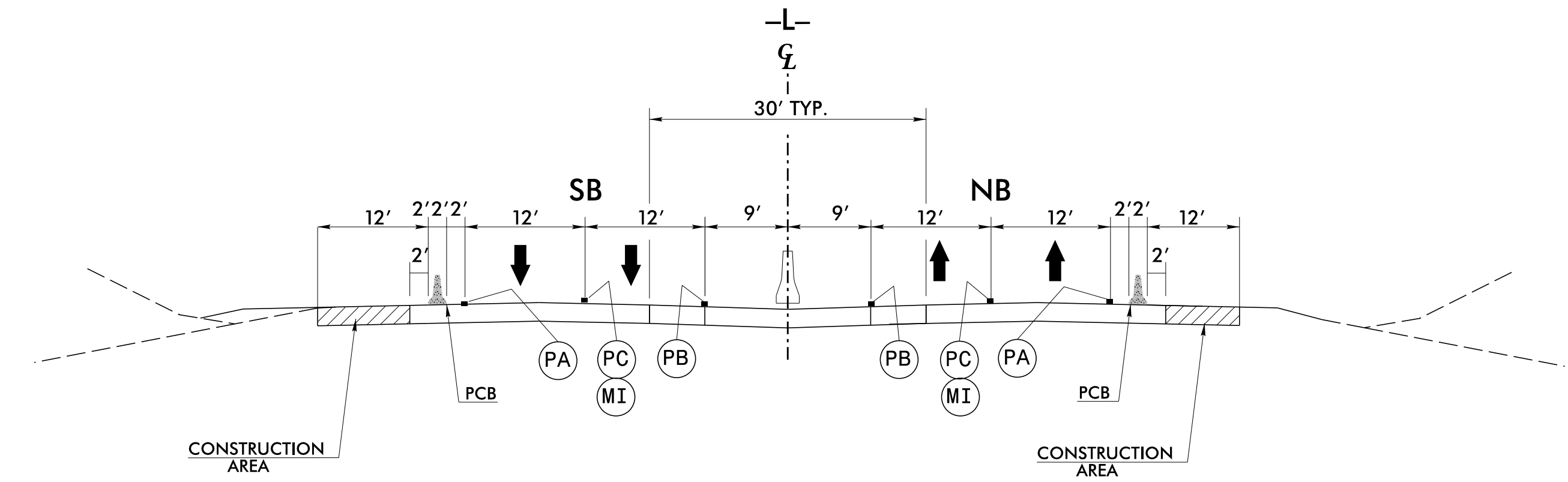
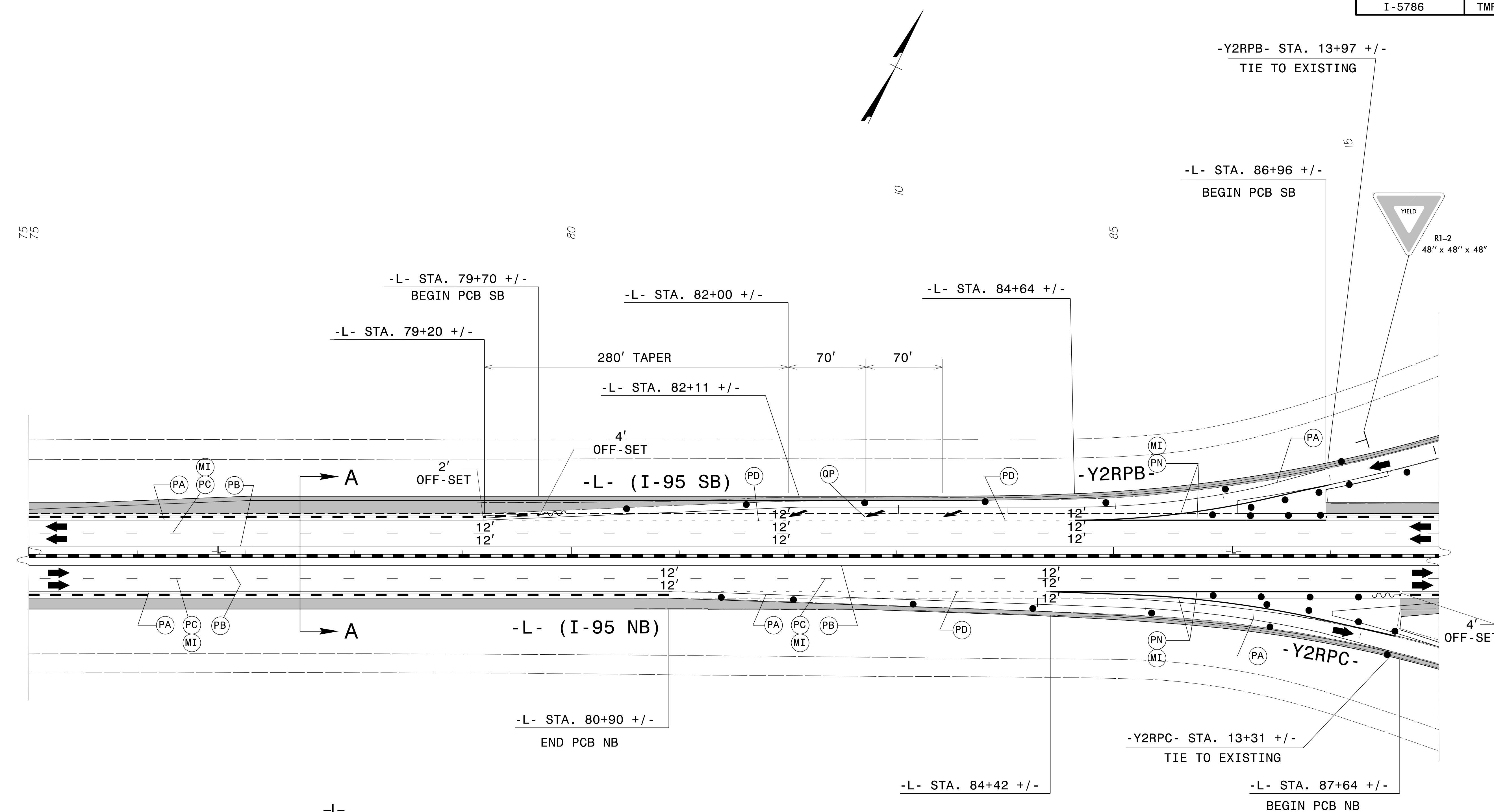
SEAL

DocuSigned by:
Bob A. May



**PHASE II
DETAIL
BRIDGE # 108
LIZZIE MILL ROAD
-Y1-**

5/4/2017 P:\2017\I-5786\TrafficControl\TCPV-5786_TC_TMP_PSH_2.dgn User:skennedy



TYPICAL SECTION A-A
-L- STA. 77+50 +/-

NOTES: SEE SHEET TMP-1A FOR PAVEMENT MARKING SCHEDULE.

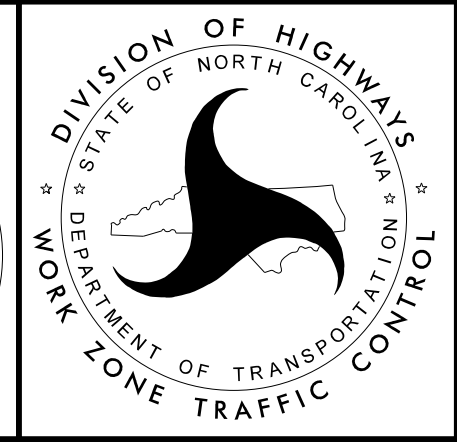
DOCUMENT NOT CONSIDERED FINAL
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Fax: 919 851 8107

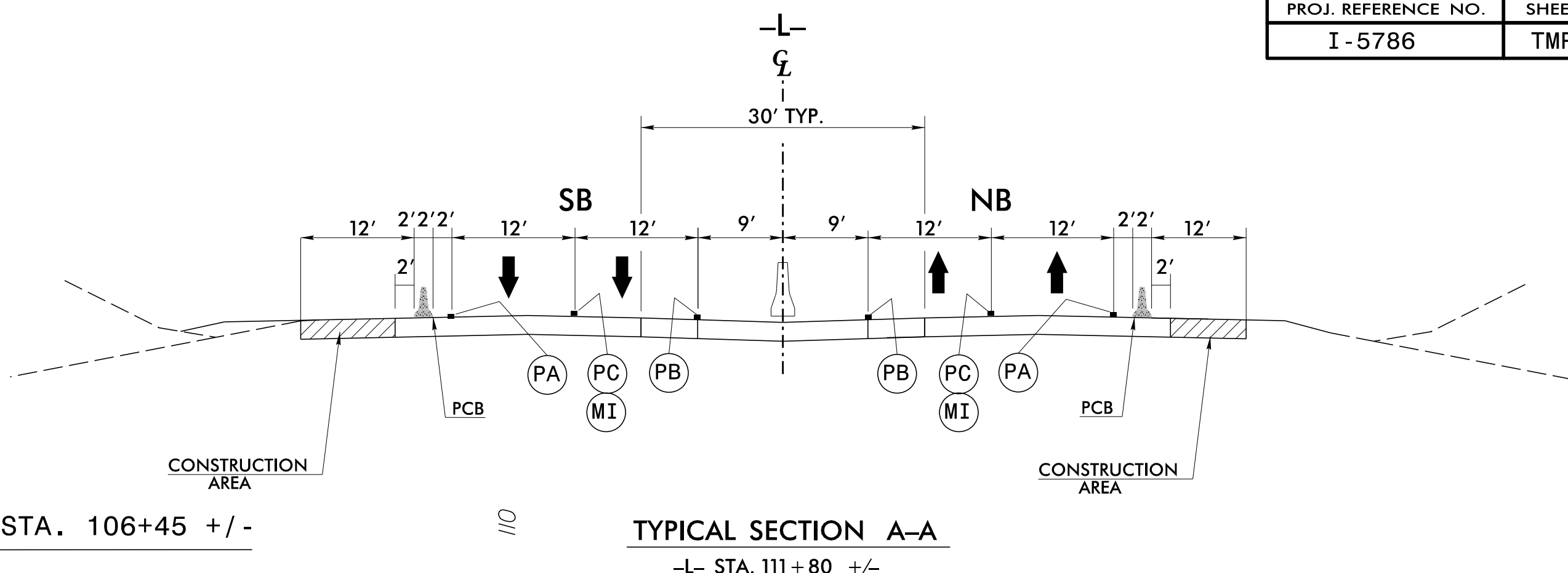
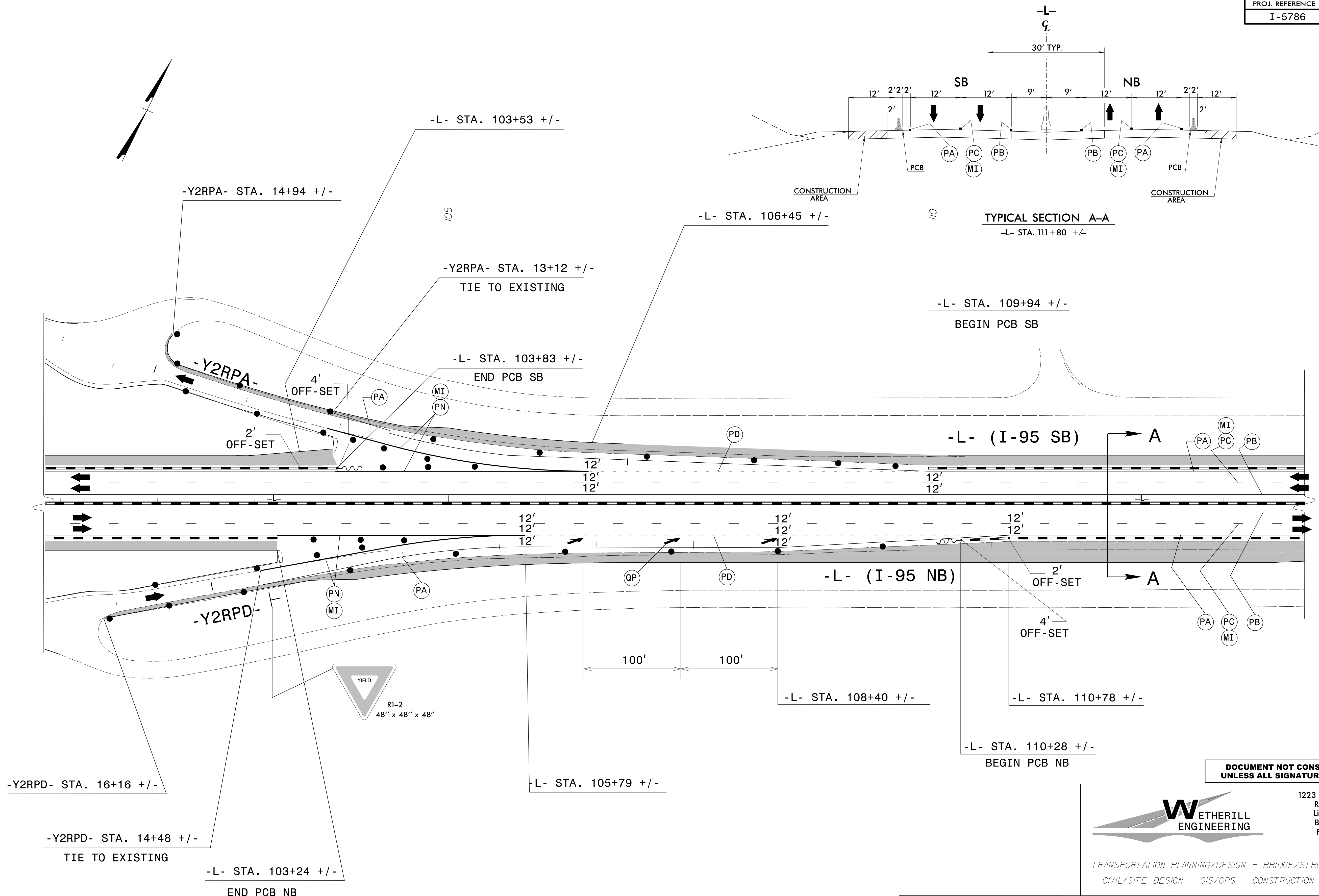
TRANSPORTATION PLANNING/DESIGN - BRIDGE/STRUCTURE DESIGN
CIVIL/SITE DESIGN - GIS/GPS - CONSTRUCTION OBSERVATION

APPROVED: _____ 6/5/2017
DATE: _____
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**PHASE II
DETAIL**

5/4/2017 P:\2017\I-5786\TrafficControl\TCP\I-5786_TC_TMP_PSH_22.dgn User:skennedy



NOTES: SEE SHEET TMP-1A FOR PAVEMENT MARKING SCHEDULE.

DOCUMENT NOT CONSIDERED FINAL
UNLESS ALL SIGNATURES COMPLETED

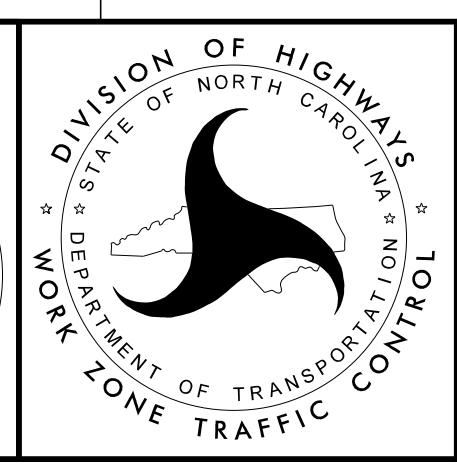
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Fax: 919 851 8107

TRANSPORTATION PLANNING/DESIGN - BRIDGE/STRUCTURE DESIGN
CIVIL/SITE DESIGN - GIS/GPS - CONSTRUCTION OBSERVATION

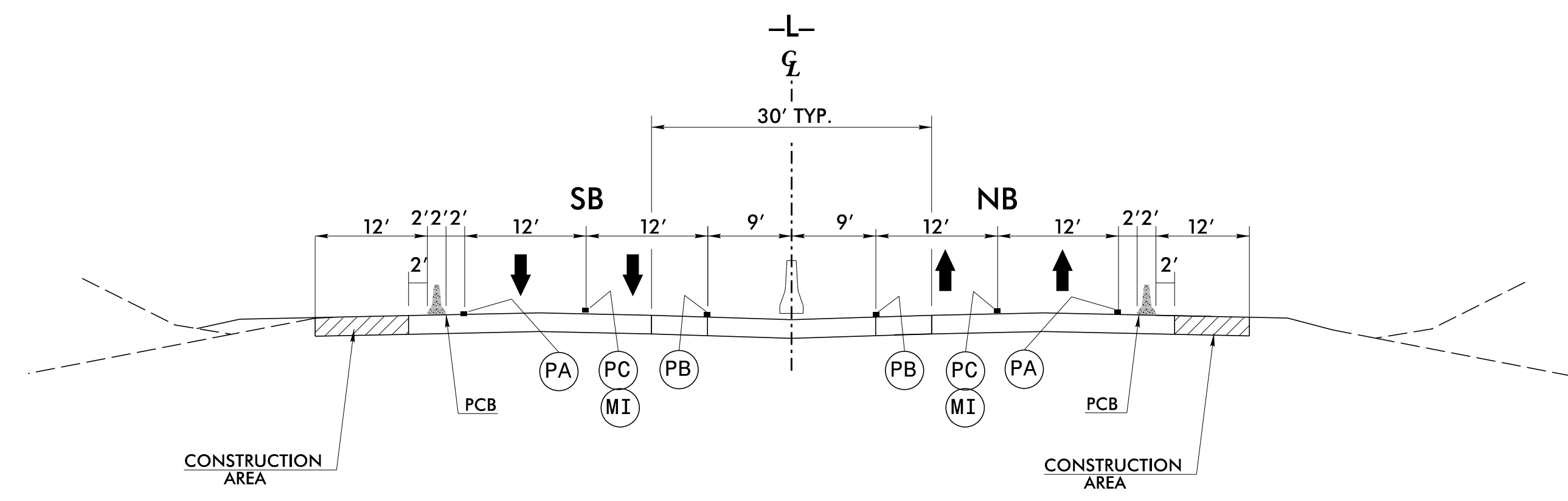
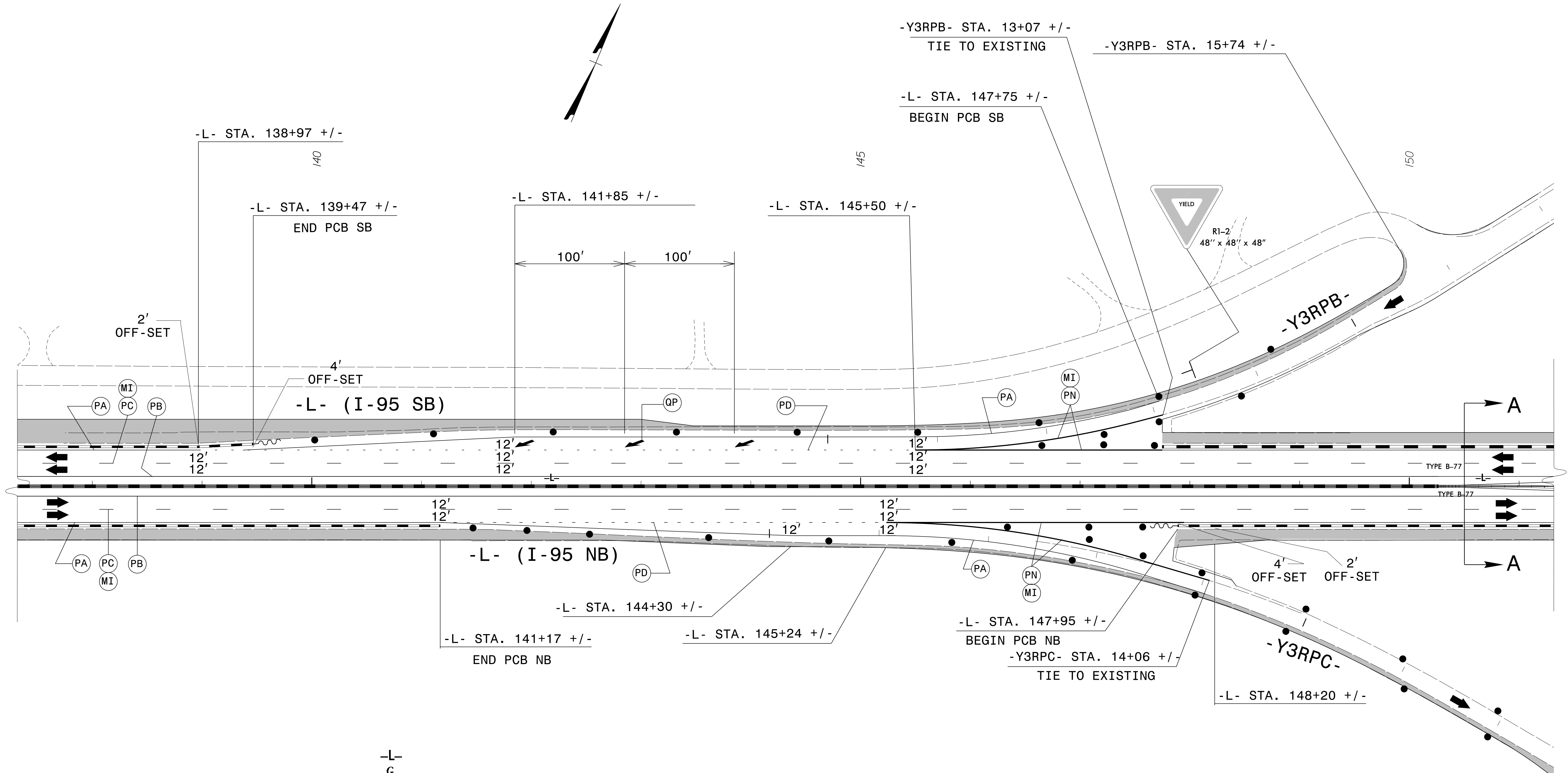
APPROVED: 6/5/2017
DATE: _____
SEAL

Seal of Bob A. May, Professional Engineer, License No. 21116, State of North Carolina.



PHASE II
DETAIL

5/4/2017
P:\2017\I-5786\TrafficControl\TCPV\5786_TC_TMP_PSH_23.dgn
User:rskenney



NOTES: SEE SHEET TMP-1A FOR PAVEMENT MARKING SCHEDULE.

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TRANSPORTATION PLANNING/DESIGN - BRIDGE/STRUCTURE DESIGN
 CIVIL/SITE DESIGN - GIS/GPS - CONSTRUCTION OBSERVATION

APPROVED: 6/5/2017

DATE:

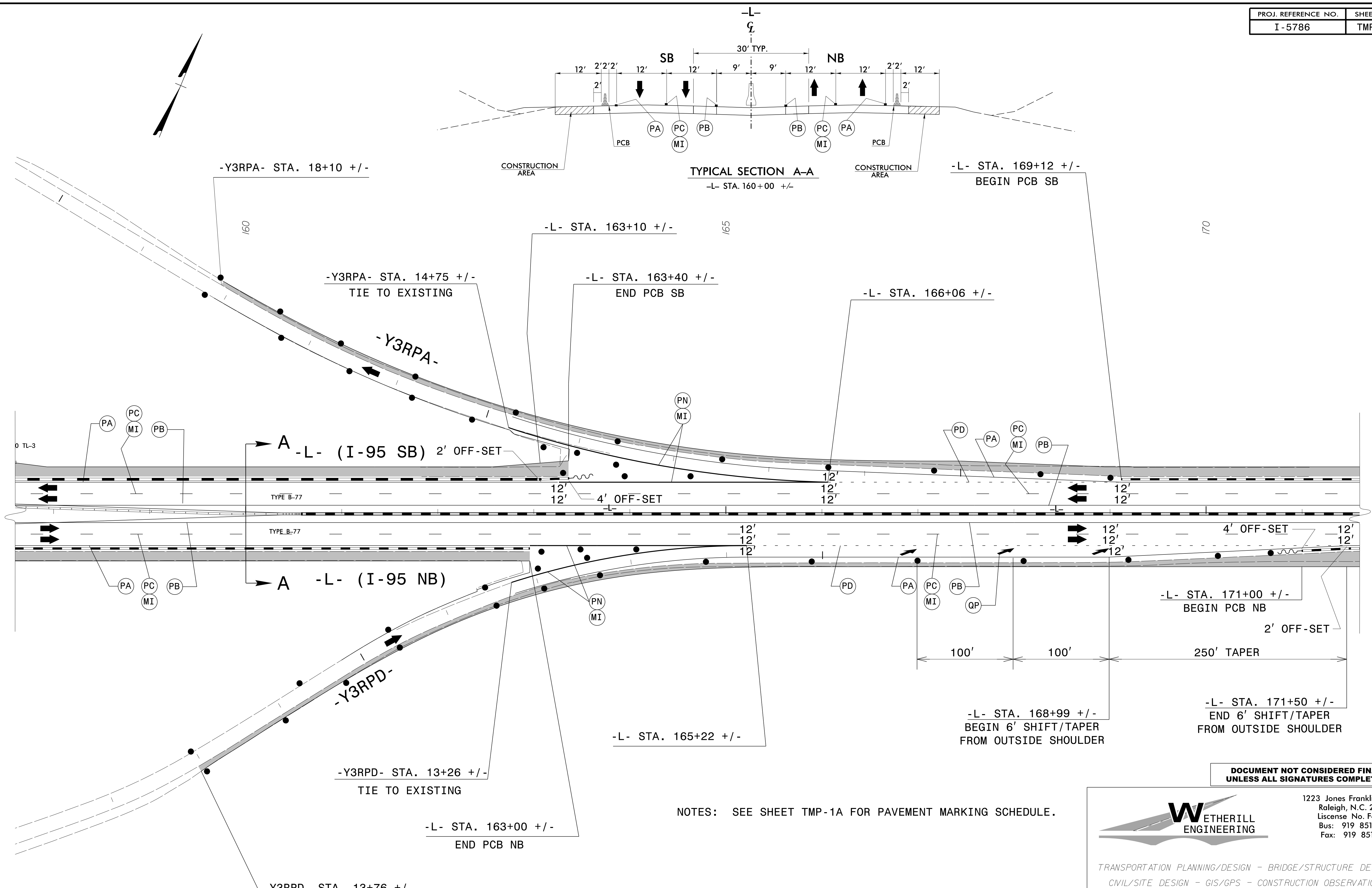
SEAL

Bob A. May

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

**PHASE II
 DETAIL**

5/4/2017 P:\2017\I-5786\TrafficControl\TCP\I-5786_TC_TMP_PSH_24.dgn User:skennedy



NOTES: SEE SHEET TMP-1A FOR PAVEMENT MARKING SCHEDULE.

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License No. F-0377
Bus: 919 851 8077
Fax: 919 851 8107

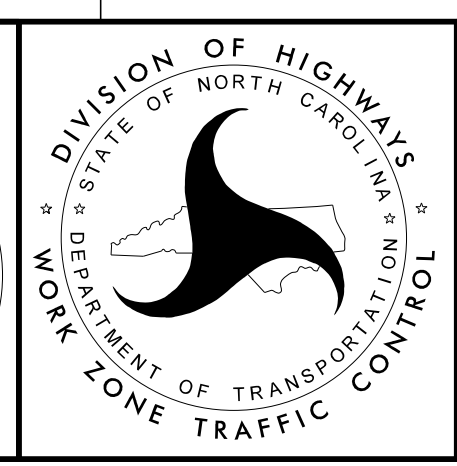
TRANSPORTATION PLANNING/DESIGN - BRIDGE/STRUCTURE DESIGN
CIVIL/SITE DESIGN - GIS/GPS - CONSTRUCTION OBSERVATION

APPROVED: 6/5/2017

DATE:

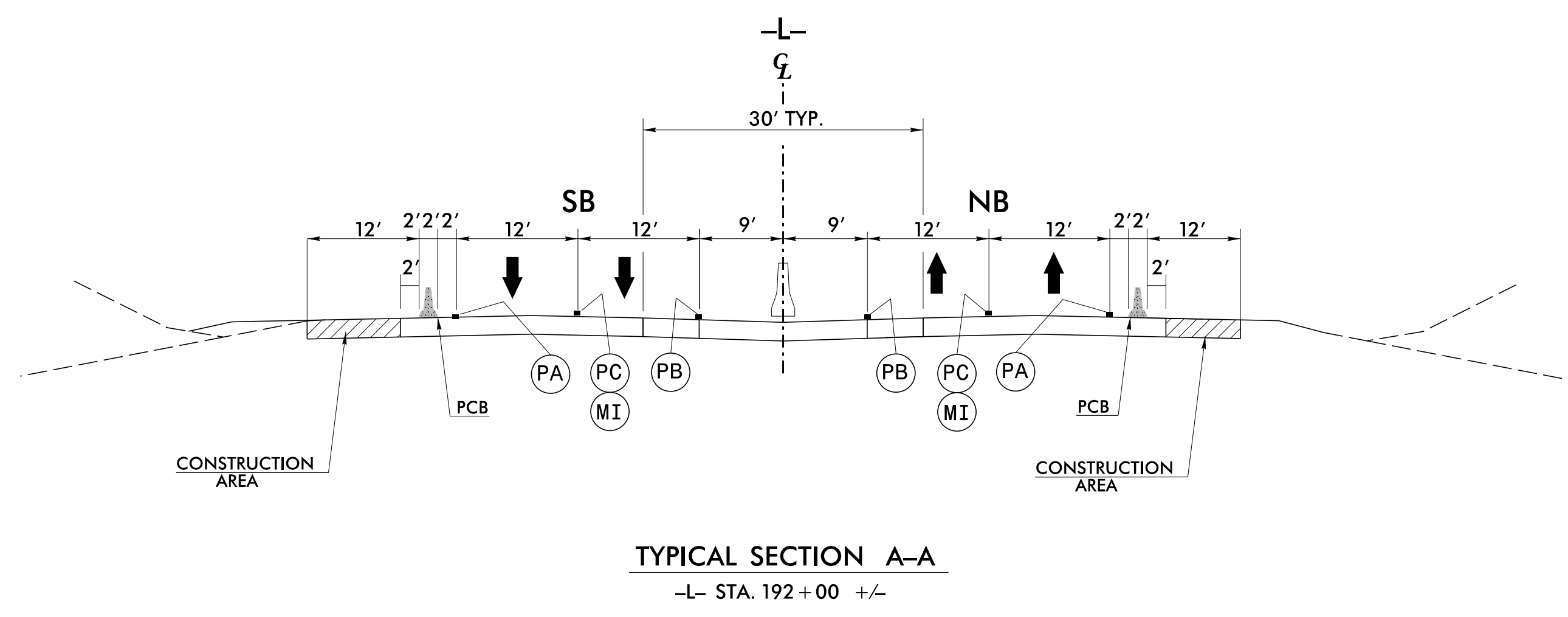
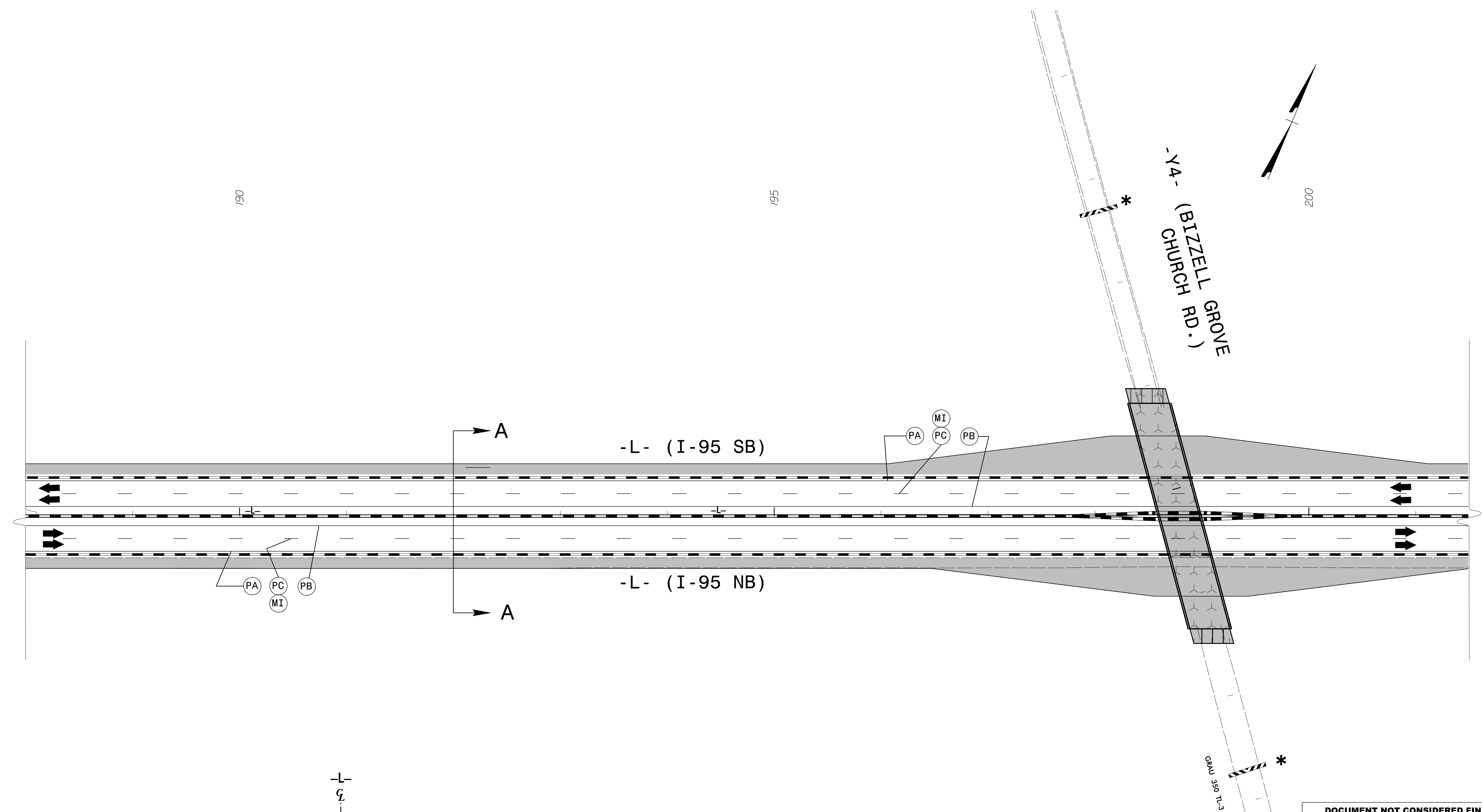
SEAL

Bob A. May



PHASE II
DETAIL

5/4/2017 P:\2017\I-5786\TrafficControl\TCP\I-5786_TC_TMP_PSH_25.dgn User:skennedy



NOTES: SEE SHEET TMP-1A FOR PAVEMENT MARKING SCHEDULE.
* SEE SHEET TMP-2D FOR OFF-SITE DETOURS.

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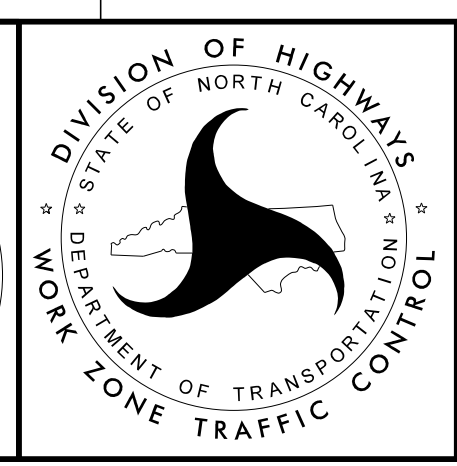
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License No. F-0377
Bus: 919 851 8077
Fax: 919 851 8107

TRANSPORTATION PLANNING/DESIGN - BRIDGE/STRUCTURE DESIGN
CIVIL/SITE DESIGN - GIS/GPS - CONSTRUCTION OBSERVATION

APPROVED: _____ 6/5/2017
DATE: _____

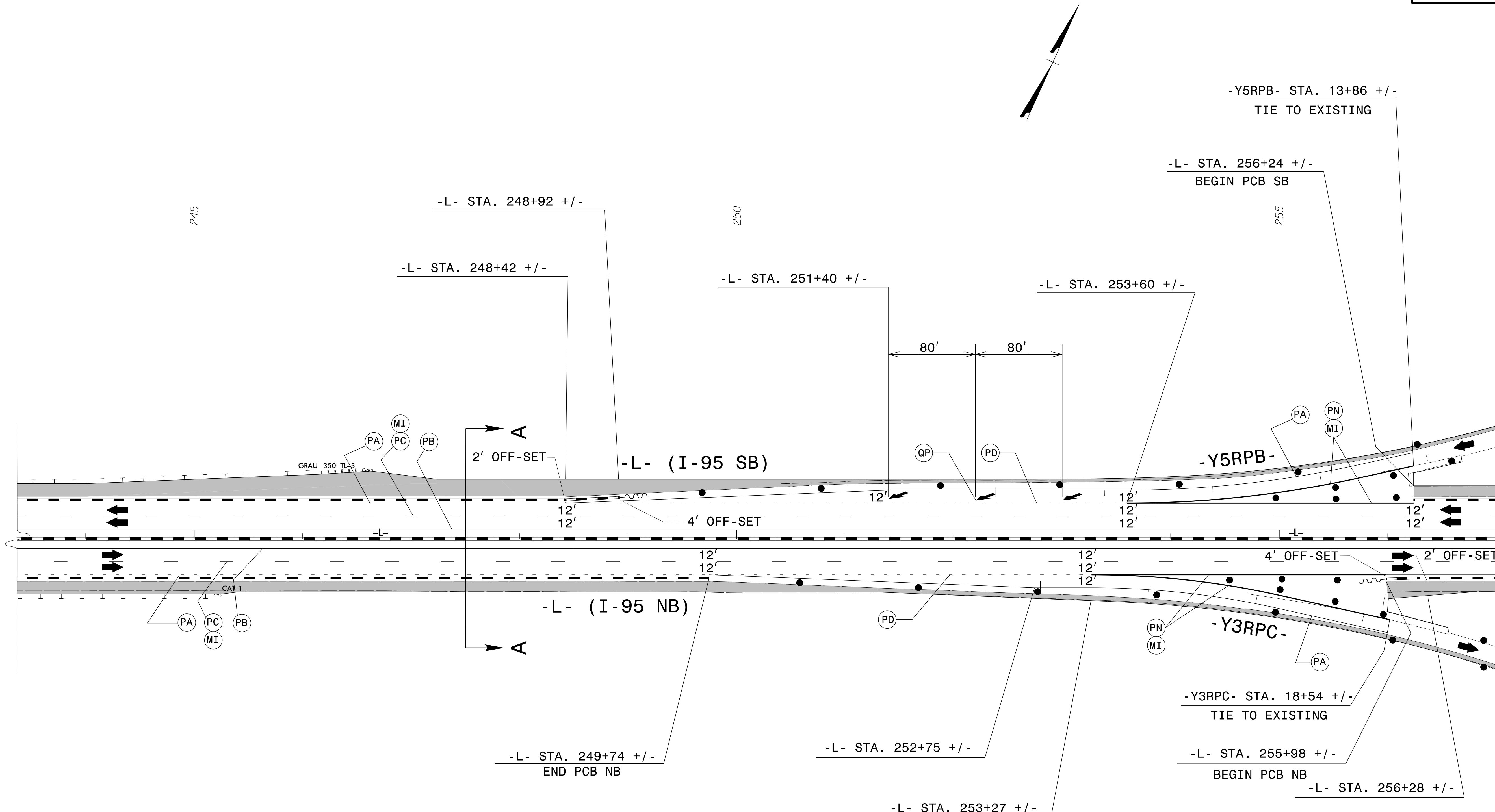
SEAL

Designed by: *Bob A. May*



**PHASE II
DETAIL
BRIDGE # 111
BIZZLE GROVE
CHURCH ROAD -Y4-**

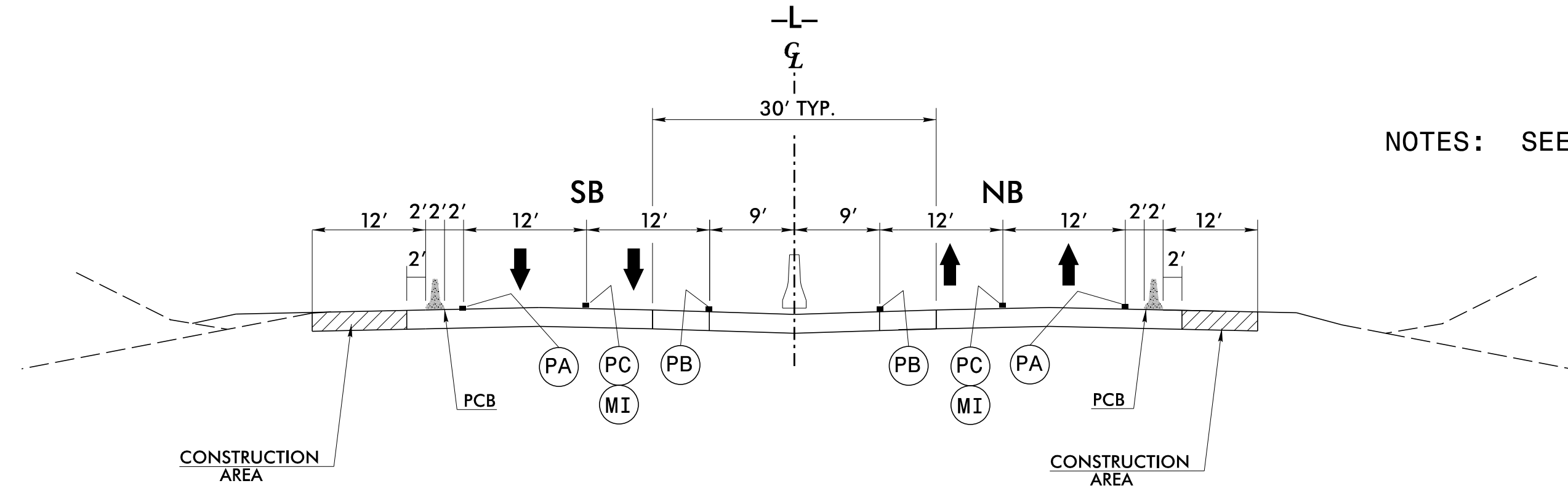
5/4/2017
P:\2017\I-5786\TrafficControl\TCPV\I-5786_TC_TMP_PSH_26.dgn
User:rskenedy



MATCHLINE -L- STA. 257 + 00.00
SEE SHEET TMP-28

**DOCUMENT NOT CONSIDERED FINAL
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NOTES: SEE SHEET TMP-1A FOR PAVEMENT MARKING SCHEDULE.

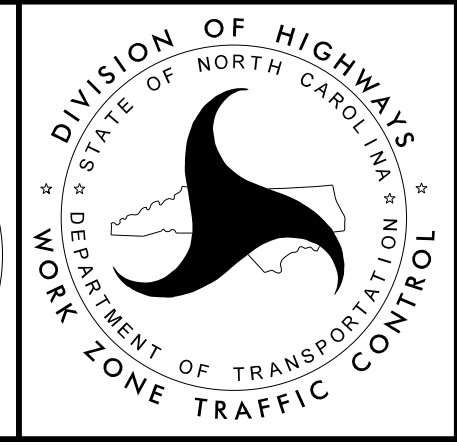


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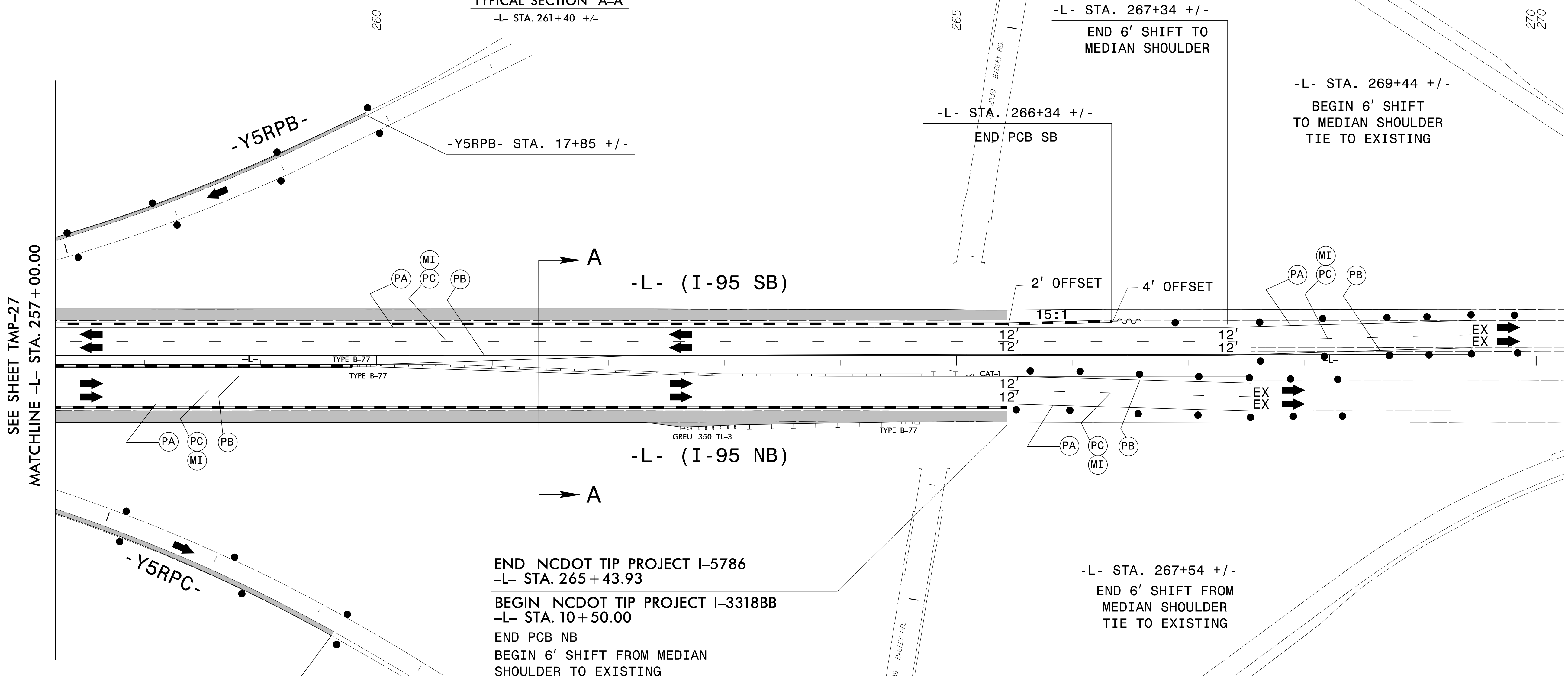
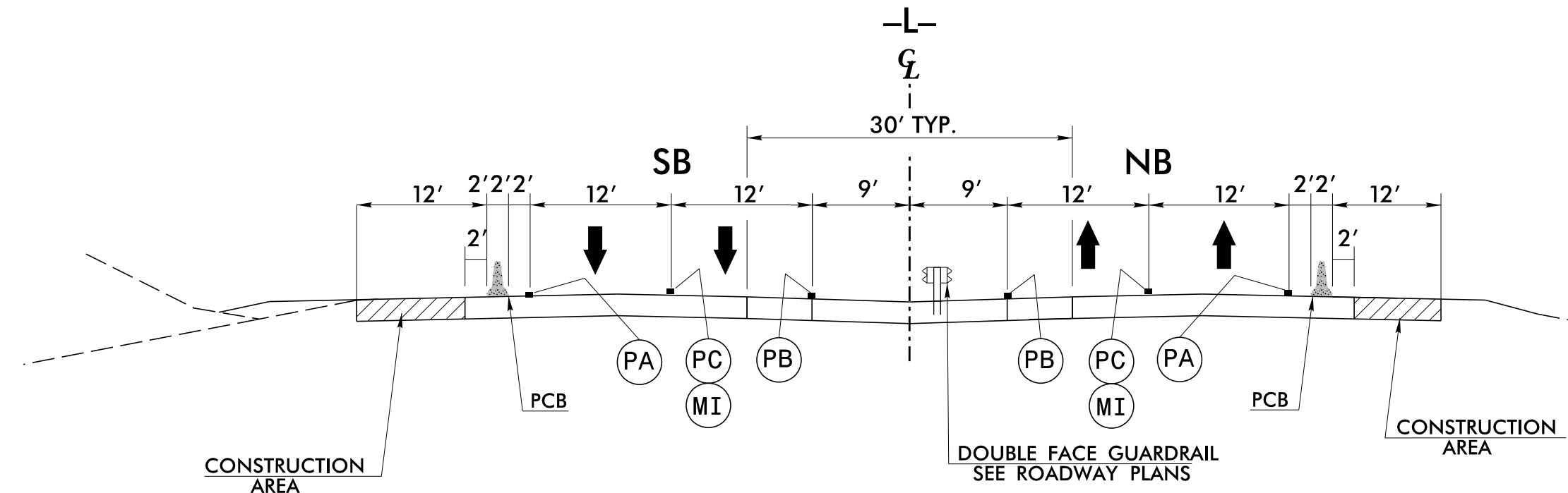
TRANSPORTATION PLANNING/DESIGN - BRIDGE/STRUCTURE DESIGN
CIVIL/SITE DESIGN - GIS/GPS - CONSTRUCTION OBSERVATION

APPROVED: 6/5/2017
DATE: _____
SEAL



**PHASE II
DETAIL**

5/4/2017
P:\2017\I-5786\TrafficControl\TCP\I-5786_TC_TMP_PSH_27.dgn
User:rskennedy



SEE SHEET TMP-27
MATCHLINE -L- STA. 257+00.00

NOTES: SEE SHEET TMP-1A FOR PAVEMENT MARKING SCHEDULE.

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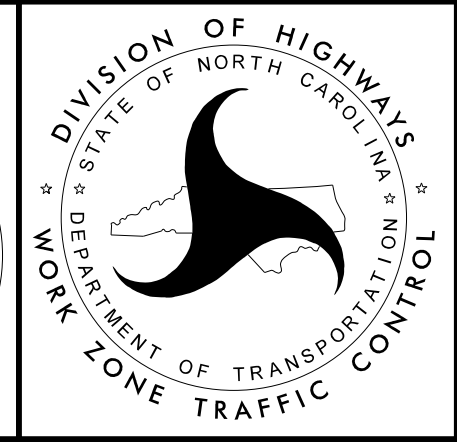
TRANSPORTATION PLANNING/DESIGN - BRIDGE/STRUCTURE DESIGN
CIVIL/SITE DESIGN - GIS/GPS - CONSTRUCTION OBSERVATION

APPROVED: 7/6/2017

DATE:

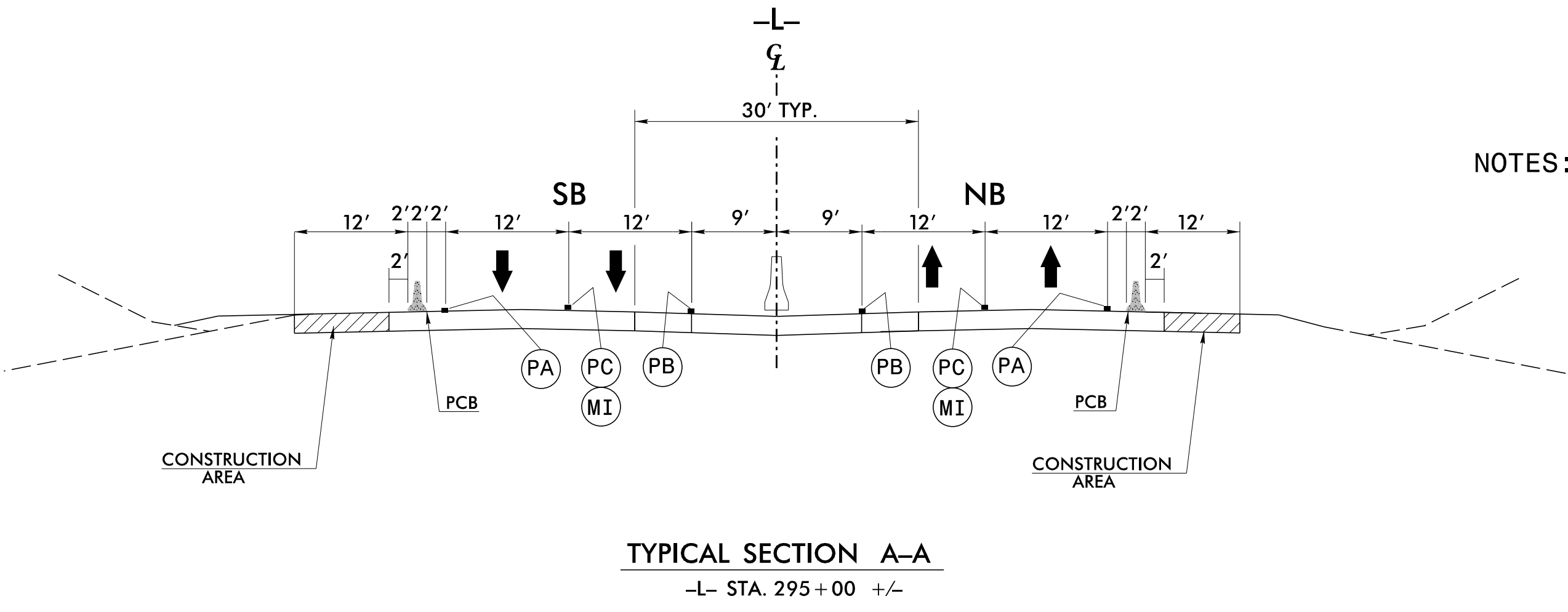
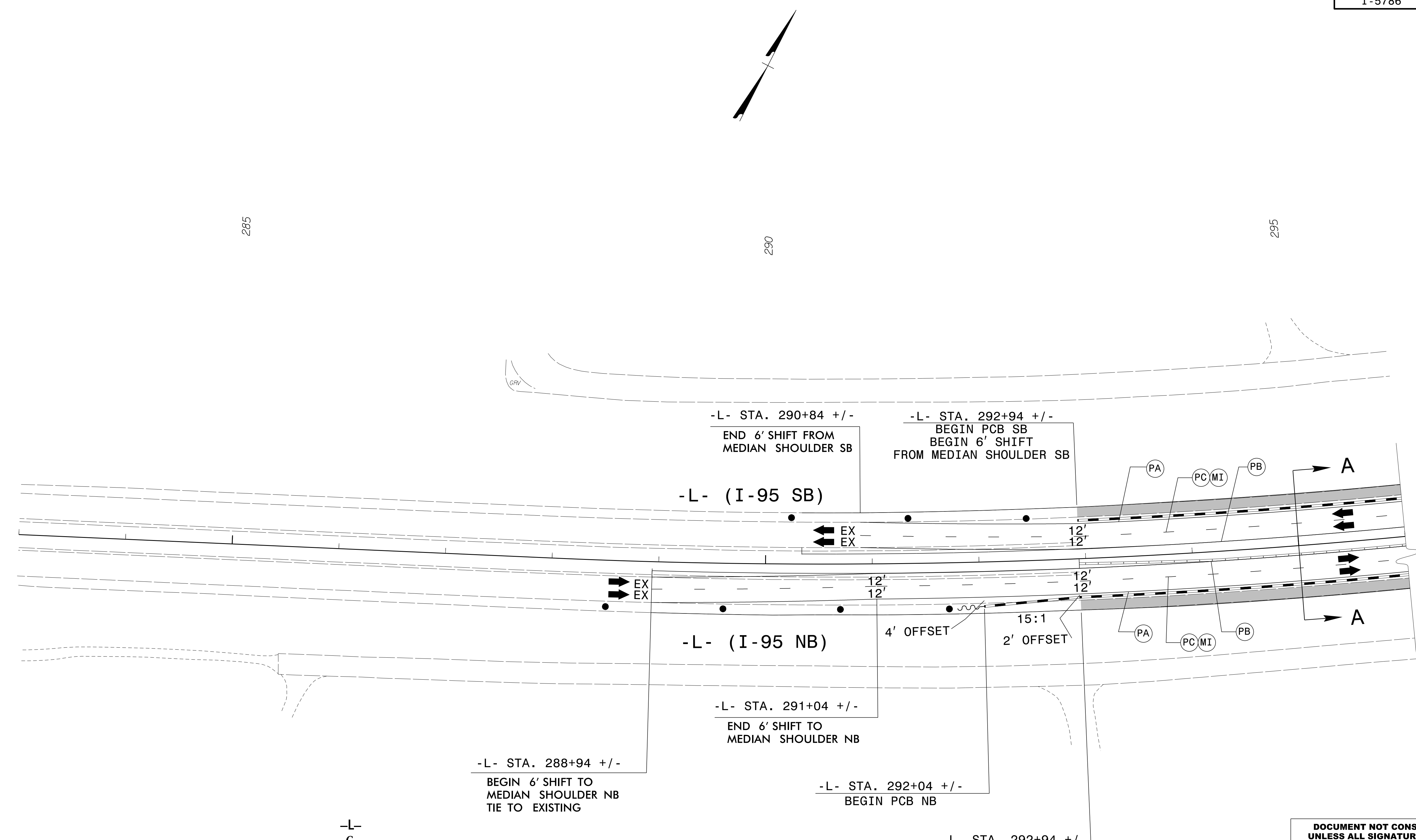
SEAL

Bob A. May



**PHASE II
DETAIL**

7/6/2017
P:\2017\I-5786\TrafficControl\TCP\I-5786_TC_TMP_PSH_28.dgn
User:rskenney



NOTES: SEE SHEET TMP-1A FOR PAVEMENT MARKING SCHEDULE.

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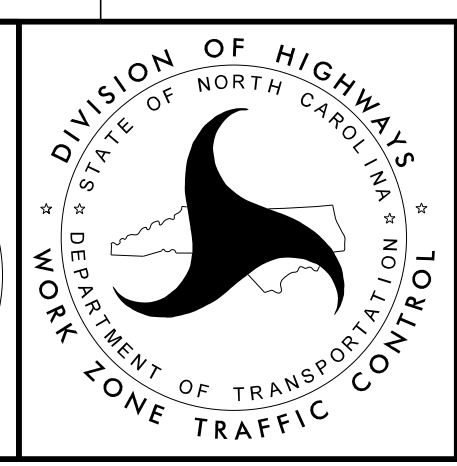
TRANSPORTATION PLANNING/DESIGN - BRIDGE/STRUCTURE DESIGN
CIVIL/SITE DESIGN - GIS/GPS - CONSTRUCTION OBSERVATION

APPROVED: 6/5/2017

DATE:

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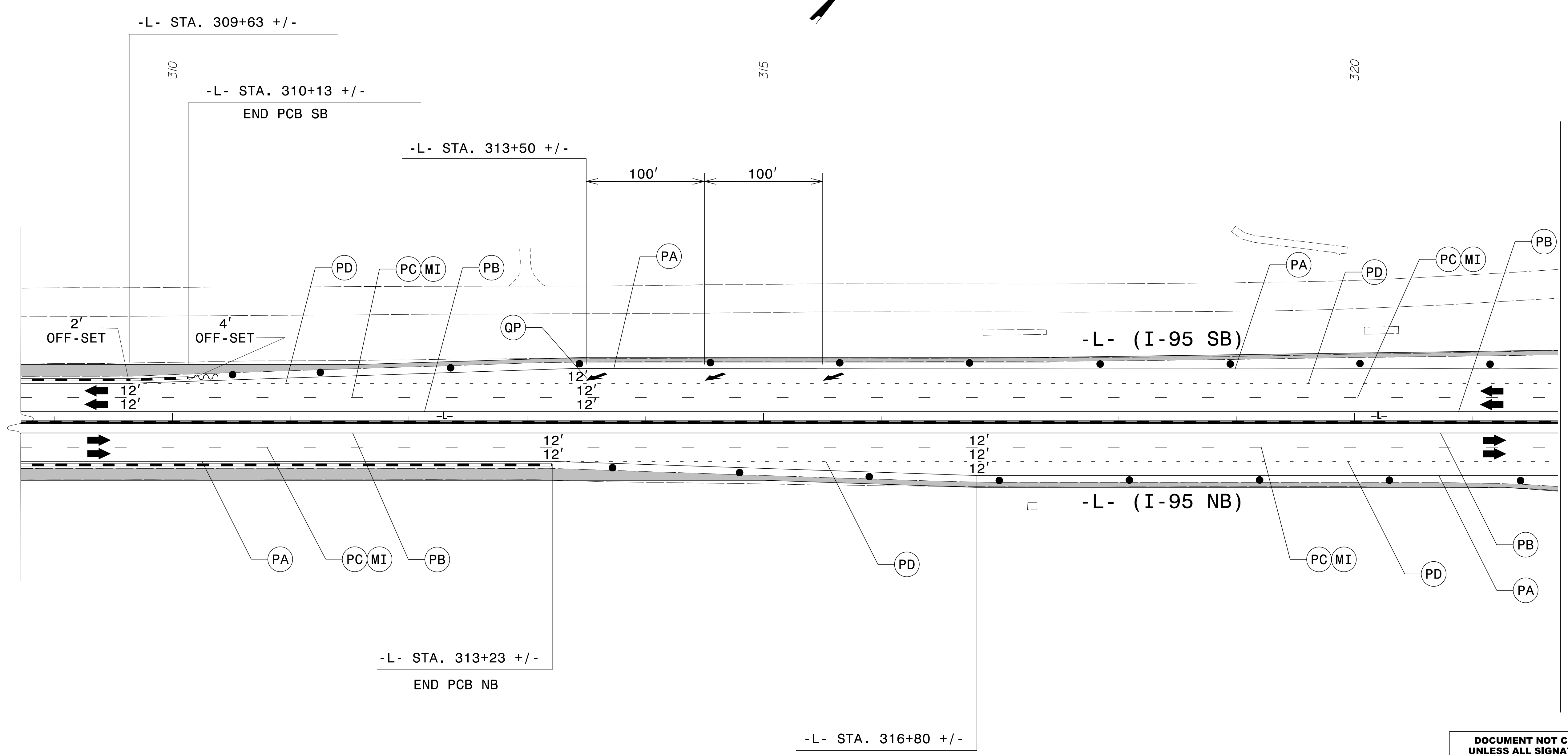
Bob A. May



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

**PHASE II
DETAIL**

5/4/2017 P:\2017\I-5786\TrafficControl\TCPV\I-5786_TC_TMP_PSH_29.dgn User:skennedy



NOTES: SEE SHEET TMP-1A FOR PAVEMENT MARKING SCHEDULE.

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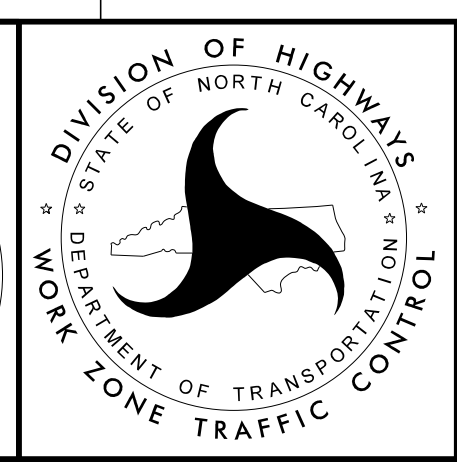
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Bus: 919 851 8077
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TRANSPORTATION PLANNING/DESIGN - BRIDGE/STRUCTURE DESIGN
CIVIL/SITE DESIGN - GIS/GPS - CONSTRUCTION OBSERVATION

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DATE: _____

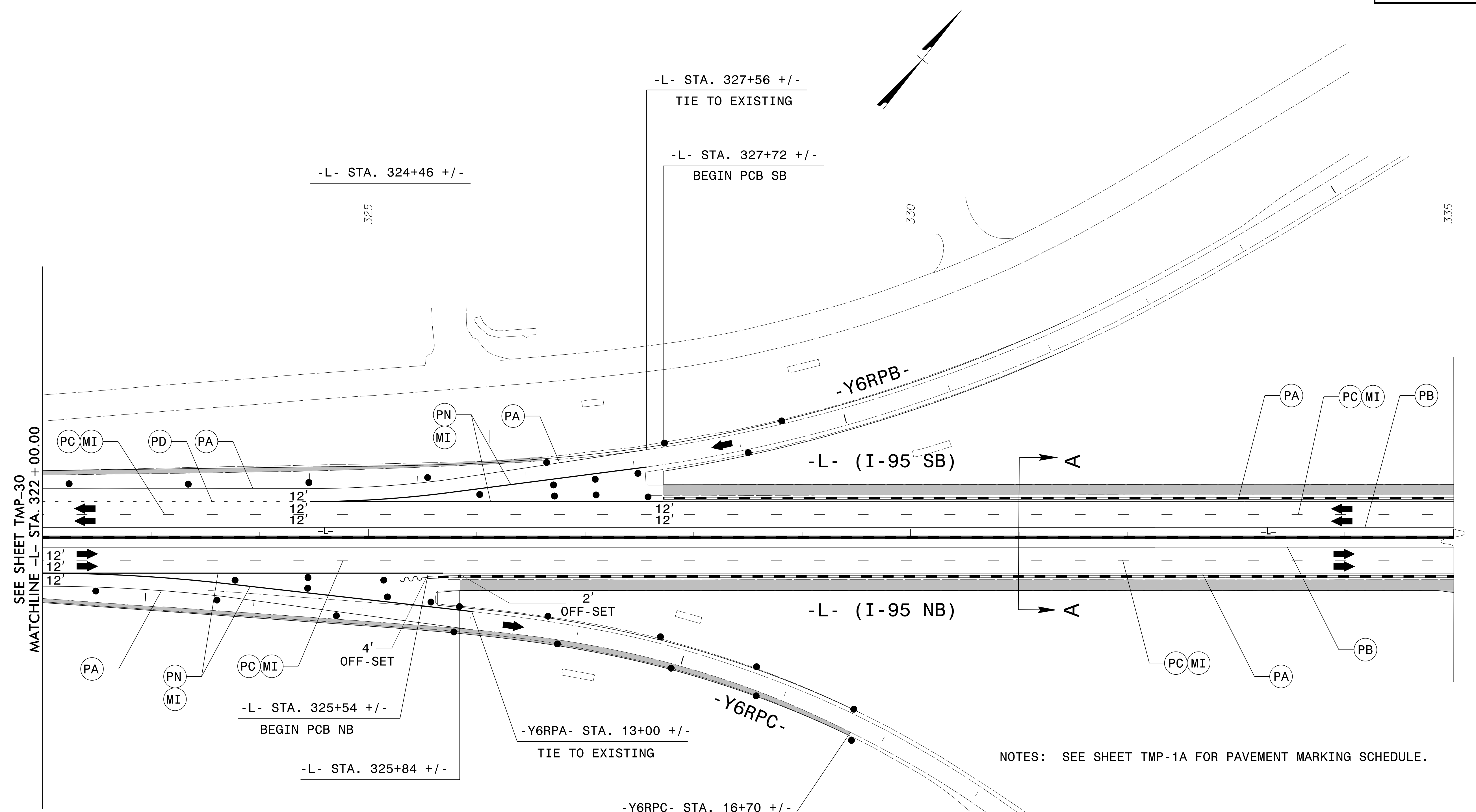
SEAL

Designed by: *Bob A. May*



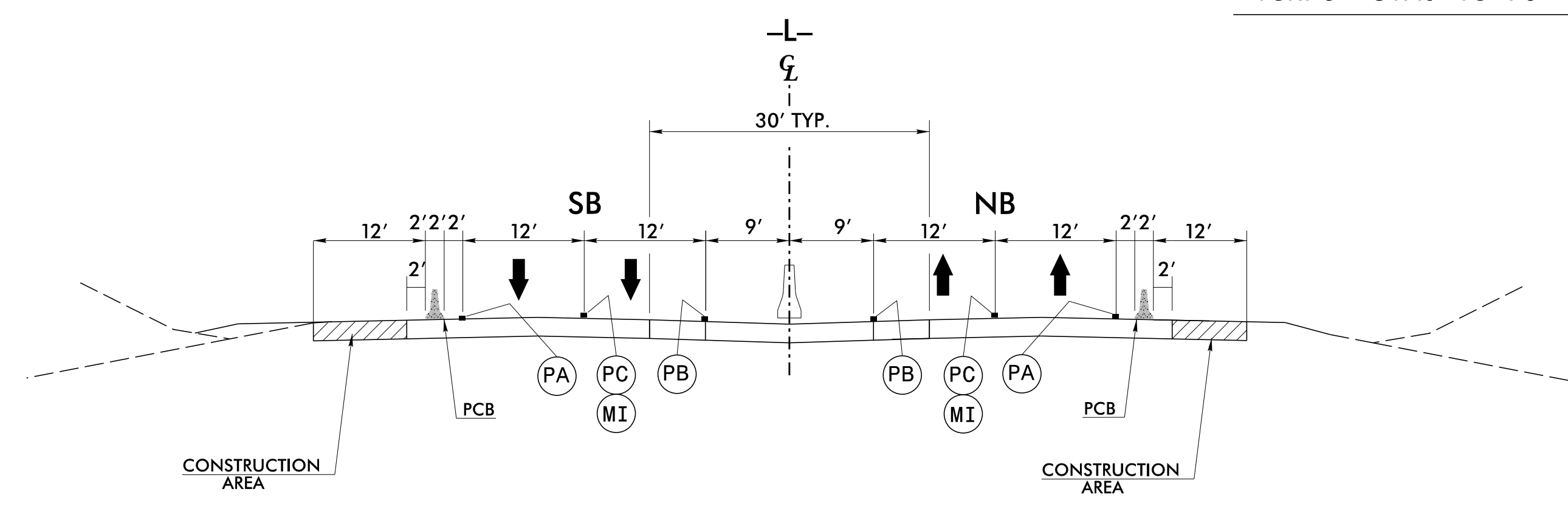
**PHASE II
DETAIL**

5/4/2017 P:\2017\I-5786\TrafficControl\TCPV\I-5786_TC_TMP_PSH_30.dgn User:skennedy



SEE SHEET TMP-30
MATCHLINE -L- STA. 322+00.00

NOTES: SEE SHEET TMP-1A FOR PAVEMENT MARKING SCHEDULE.



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Fax: 919 851 8107

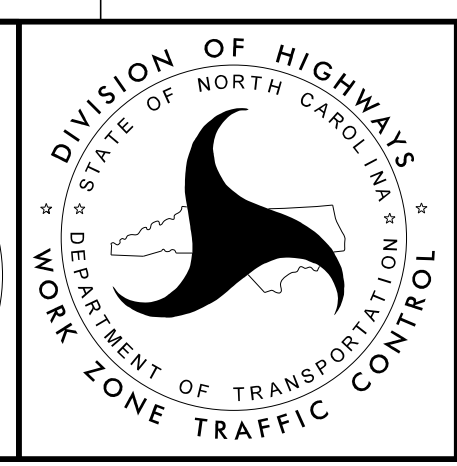
TRANSPORTATION PLANNING/DESIGN - BRIDGE/STRUCTURE DESIGN
CIVIL/SITE DESIGN - GIS/GPS - CONSTRUCTION OBSERVATION

APPROVED: _____ 6/5/2017

DATE: _____

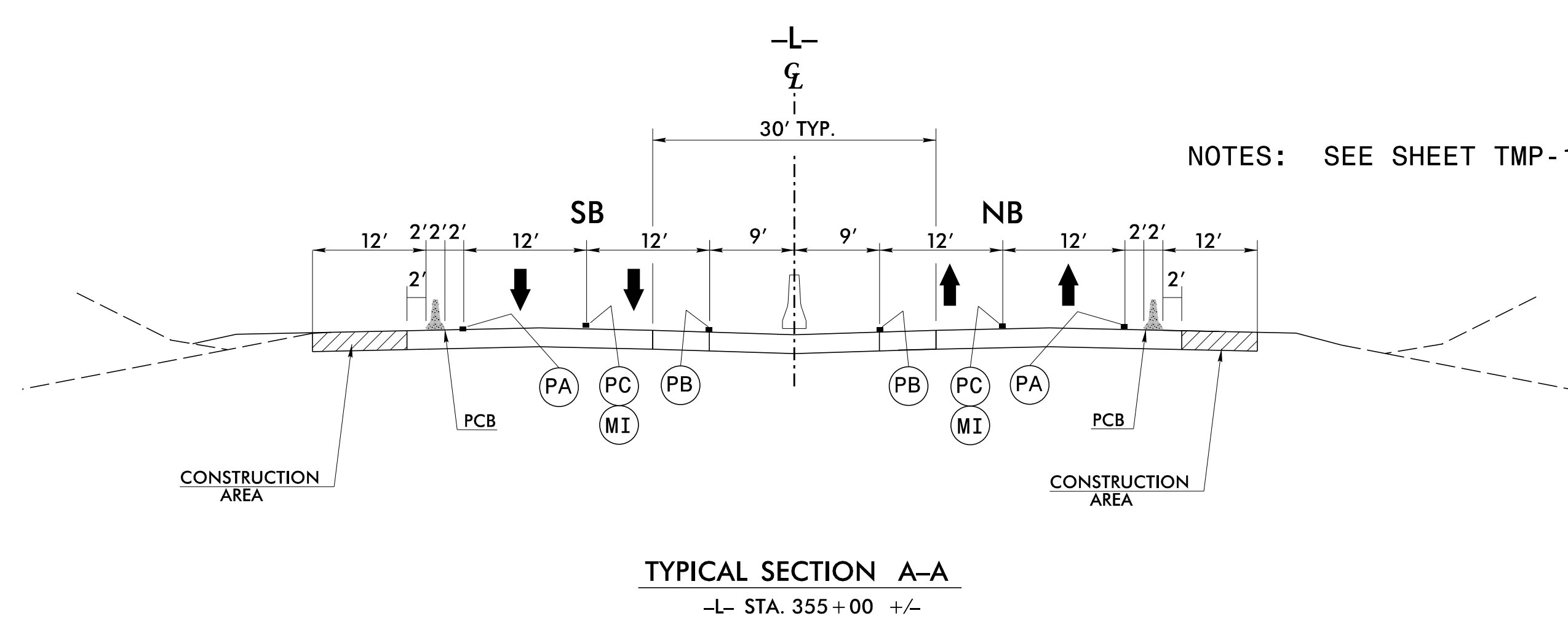
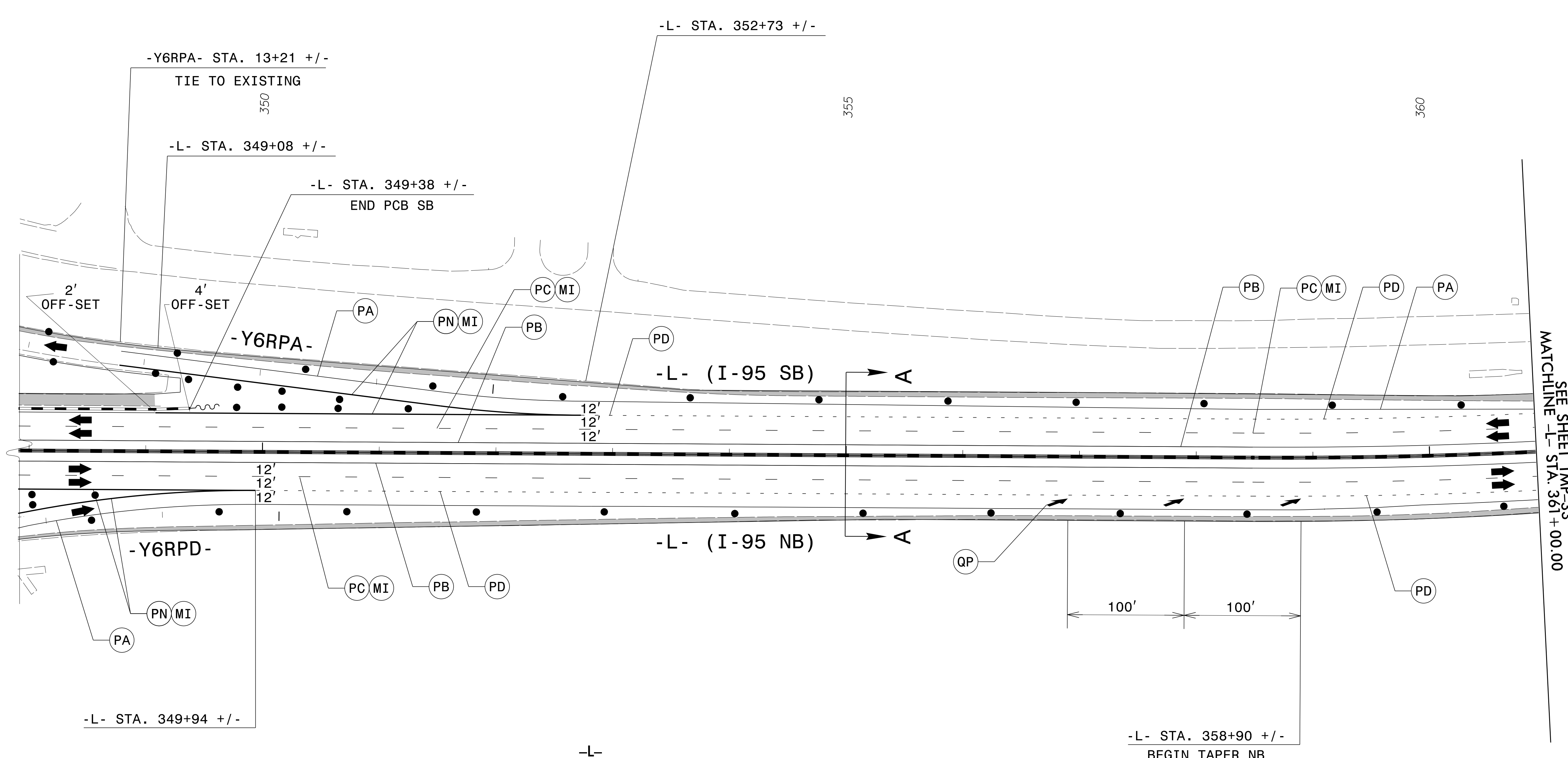
SEAL

Seal of Bob A. May, Professional Engineer, License No. 21116, State of North Carolina.



**PHASE II
DETAIL**

5/4/2017
P:\2017\I-5786\TrafficControl\TCPV\I-5786_TC_TMP_PSH_31.dgn
User:skennedy



NOTES: SEE SHEET TMP-1A FOR PAVEMENT MARKING SCHEDULE.

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Bus: 919 851 8077
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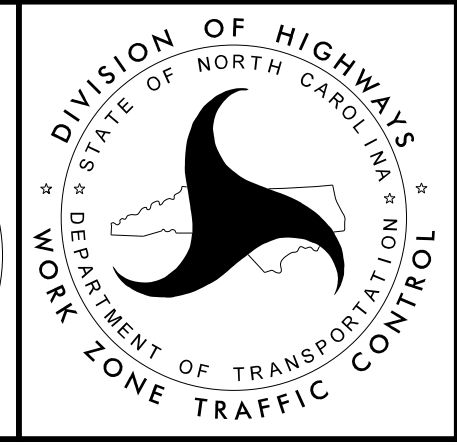
TRANSPORTATION PLANNING/DESIGN - BRIDGE/STRUCTURE DESIGN
CIVIL/SITE DESIGN - GIS/GPS - CONSTRUCTION OBSERVATION

APPROVED: 6/5/2017

DATE:

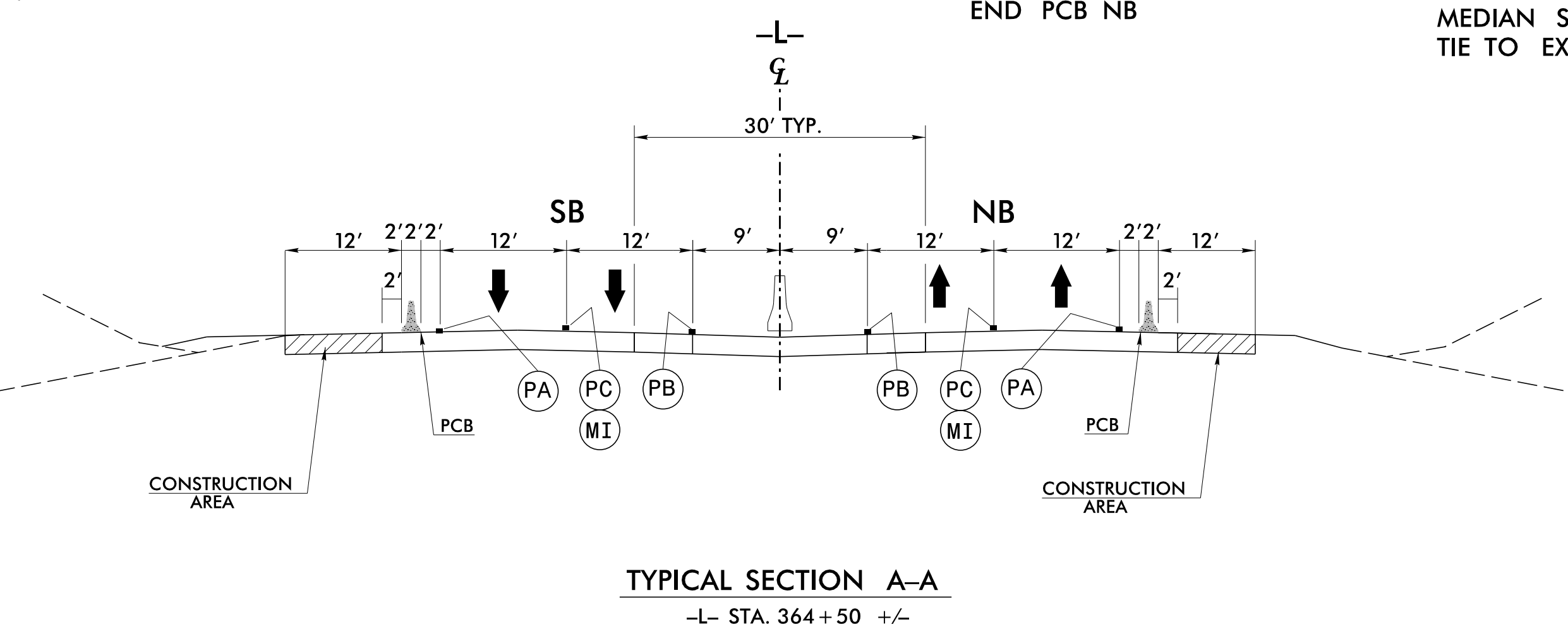
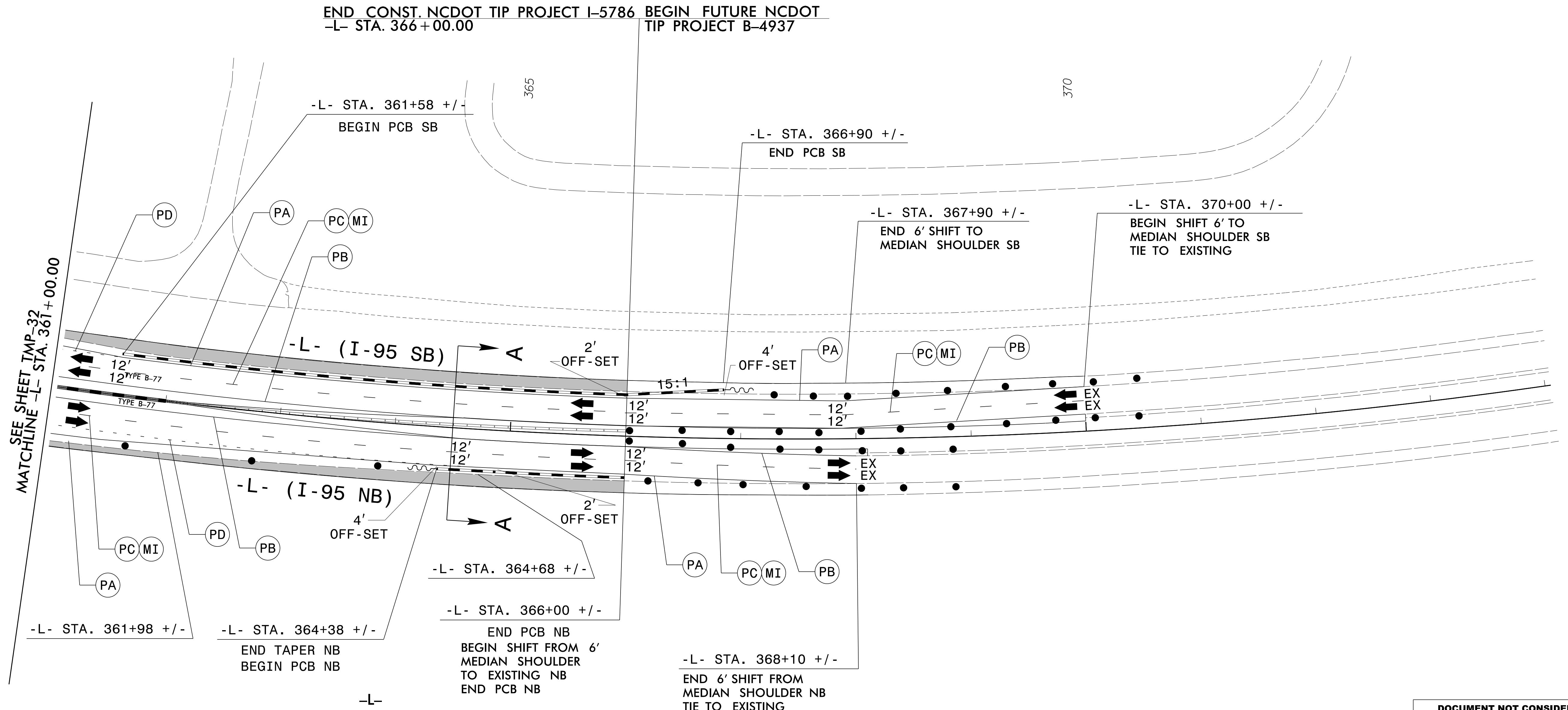
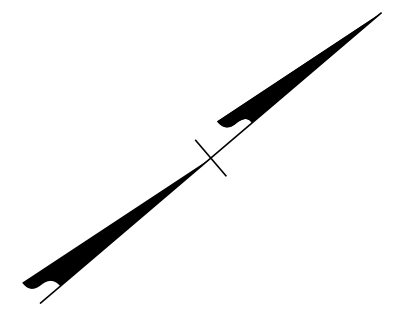
SEAL

Professional Engineer Seal: BOB A. MAY, License No. 21116, State of North Carolina.



PHASE II
DETAIL

5/4/2017 P:\2017\I-5786\TrafficControl\TCPV-5786_TC_TMP_PSH_32.dgn User:skennedy



NOTES: SEE SHEET TMP-1A FOR PAVEMENT MARKING SCHEDULE.

DOCUMENT NOT CONSIDERED FINAL
UNLESS ALL SIGNATURES COMPLETED

**WETHERILL
ENGINEERING**

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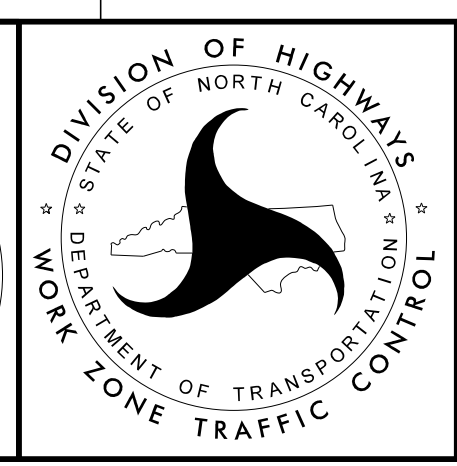
TRANSPORTATION PLANNING/DESIGN - BRIDGE/STRUCTURE DESIGN
CIVIL/SITE DESIGN - GIS/GPS - CONSTRUCTION OBSERVATION

APPROVED: _____ 6/5/2017

DATE: _____

SEAL

Designed by
Bob A. May



PHASE II
DETAIL

5/4/2017
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User: skennedy