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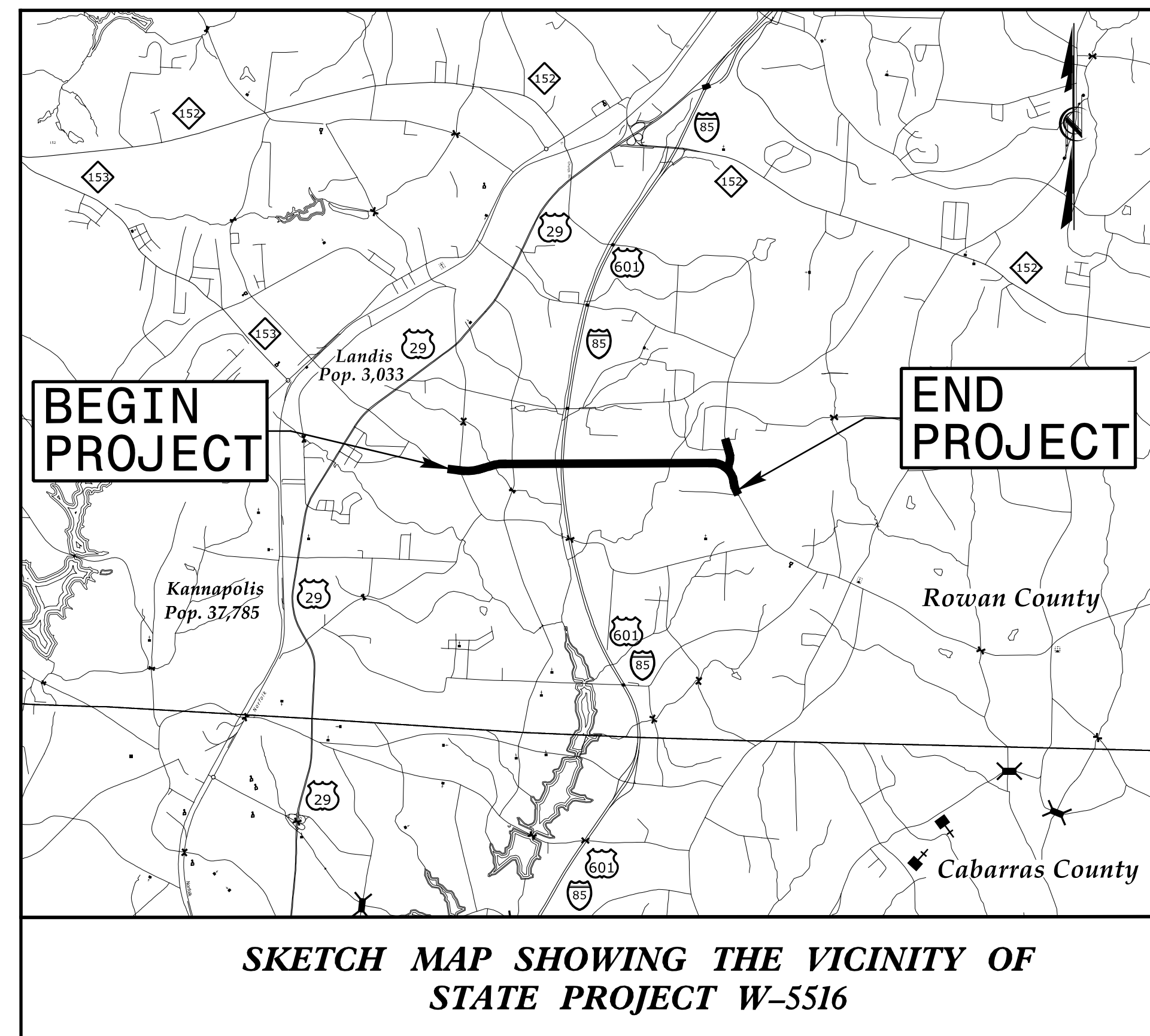
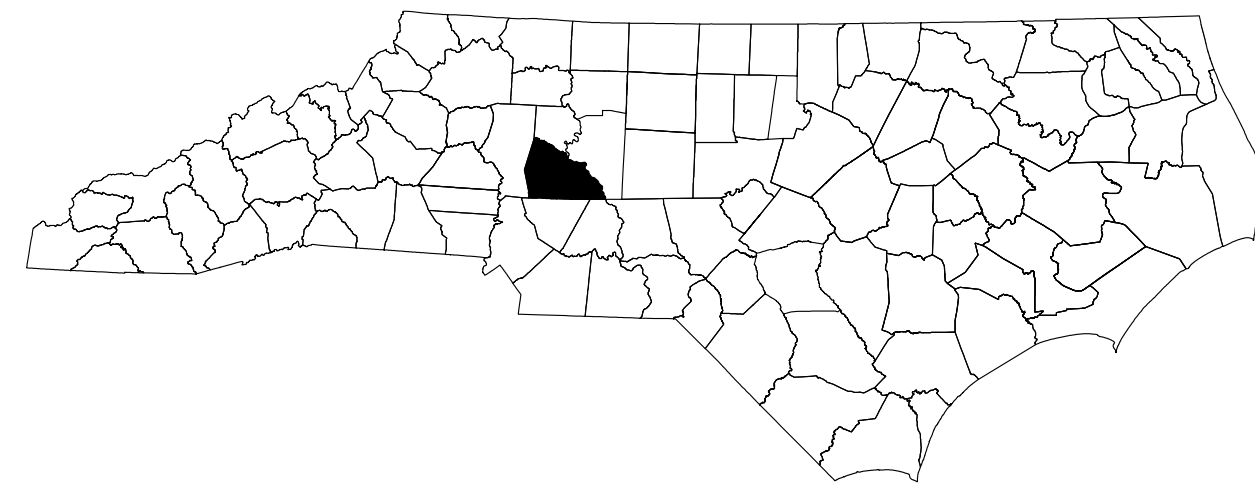
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STATE OF NORTH CAROLINA
DIVISION OF HIGHWAYS

TRANSPORTATION MANAGEMENT PLAN

ROWAN COUNTY



SKETCH MAP SHOWING THE VICINITY OF
STATE PROJECT W-5516

LOCATION: SR 1210 (OLD BEATTY FORD ROAD) FROM WEST OF SR 1221 (BOSTIAN ROAD) INTERSECTION TO SR 1337 (LENTZ ROAD)
TYPE OF WORK: GRADING, DRAINAGE, PAVING, STRUCTURES & CULVERTS

INDEX OF SHEETS

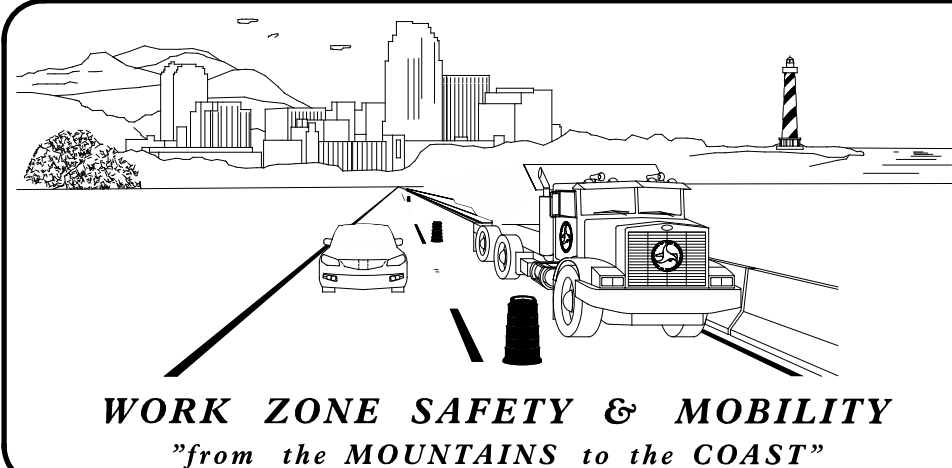
SHEET NO.	TITLE
TMP-1	INDEX OF SHEETS AND VICINITY MAP
TMP-1A	LIST OF APPLICABLE ROADWAY STANDARD DRAWINGS, LEGEND AND TEMPORARY PAVEMENT MARKINGS
TMP-1B & 1C	TRANSPORTATION OPERATIONS PLAN
TMP-2	DETOUR FOR CHINA GROVE ROAD
TMP-2A	\$250 SPEEDING FINE SIGNAGE
TMP-3	PHASING
TMP-4 THRU 7	PHASE I DETAILS
TMP-8	PHASE II DETAIL
TMP-9 & 10	PHASE III DETAILS

SHEET NO.
TMP-1

W-5516

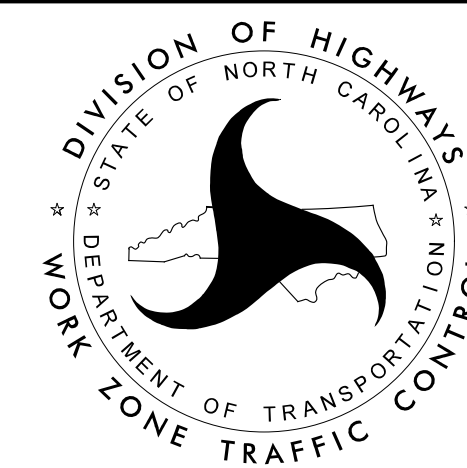
TIP PROJECT:

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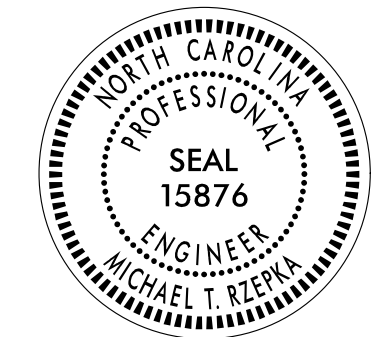
N.C.D.O.T. WORK ZONE TRAFFIC CONTROL
1561 MAIL SERVICE CENTER (MSC) RALEIGH, NC 27699-1561
750 N. GREENFIELD PARKWAY, GARNER, NC 27529 (DELIVERY)
PHONE: (919) 773-2800 FAX: (919) 771-2745

J. S. BOURNE, P.E. STATE TRAFFIC MANAGEMENT ENGINEER
D. BISSETTE, P.E. TRAFFIC CONTROL PROJECT ENGINEER
M. STEELMAN TRAFFIC CONTROL PROJECT DESIGN ENGINEER
TRAFFIC CONTROL DESIGN ENGINEER



APPROVED: Michael T. Rzepka
DATE: 01BC3480C200480 7/23/2015

SEAL





ROADWAY STANDARD DRAWINGS

THE FOLLOWING ROADWAY STANDARDS AS APPEAR 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
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
1205.04	PAVEMENT MARKINGS - INTERSECTIONS
1205.12	PAVEMENT MARKINGS - BRIDGES
1250.01	RAISED PAVEMENT MARKERS - INSTALLATION SPACING
1251.01	RAISED PAVEMENT MARKERS - PERMANENT AND TEMPORARY
1261.01	GUARDRAIL AND BARRIER DELINEATORS - INSTALLATION SPACING
1261.02	GUARDRAIL AND BARRIER DELINEATORS - TYPES AND MOUNTING
1262.01	GUARDRAIL END DELINEATION

LEGEND

GENERAL

- DIRECTION OF TRAFFIC FLOW
- DIRECTION OF PEDESTRIAN TRAFFIC FLOW
- EXIST. PVMT.
- NORTH ARROW
- PROPOSED PVMT.
- WORK AREA
- CONTINUING CONSTRUCTION
- REMOVAL

TRAFFIC CONTROL DEVICES

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

TEMPORARY SIGNING

- PORTABLE SIGN
- STATIONARY SIGN
- STATIONARY OR PORTABLE SIGN

SIGNALS

- EXISTING
- PROPOSED
- TEMPORARY

PAVEMENT MARKINGS

- EXISTING LINES
- TEMPORARY LINES

PAVEMENT MARKERS

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

PAVEMENT MARKING SYMBOLS

- PAVEMENT MARKING SYMBOLS

TEMPORARY PAVEMENT MARKING

SYMBOL	DESCRIPTION
<u>PAINT (4")</u>	
PA	WHITE EDGELINE
PI	DOUBLE YELLOW CENTERLINE
P8	2 FT. - 6 FT. /SP WHITE MINISKIP
<u>PAINT (24")</u>	
P2	WHITE STOP BAR
<u>TEMPORARY RAISED MARKERS</u>	
MH	YELLOW & YELLOW

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APPROVED: <i>Michael T. Rzepka</i> DATE: 7/23/2015 		ROADWAY STANDARD DRAWINGS, LEGEND & TEMPORARY PAVEMENT MARKING SCHEDULE
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GENERAL NOTES

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

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

TIME RESTRICTIONS

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

ROAD NAME	DAY AND TIME RESTRICTIONS
-L- OLD BEATTY FORD RD.	
-Y2- CHINA GROVE RD.	6:00 AM TO 8:15 AM, MONDAY THRU FRIDAY
-Y3- LENTZ RD.	(WHEN SCHOOL IS IN SESSION)
-Y1- BOSTIAN RD.	
I-85	6:00 AM TO 9:00 PM, MONDAY THRU SUNDAY

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

ROAD NAME

I-85

HOLIDAY

- FOR ANY UNEXPECTED OCCURRENCE THAT CREATES UNUSUALLY HIGH TRAFFIC VOLUMES, AS DIRECTED BY THE ENGINEER.
- FOR NEW YEAR'S, BETWEEN THE HOURS OF 6:00 A.M. DECEMBER 31st TO 9:00 P.M. JANUARY 2ND. IF NEW YEAR'S DAY IS ON A FRIDAY, SATURDAY, SUNDAY, OR MONDAY THEN UNTIL 9:00 P.M. THE FOLLOWING TUESDAY.
- FOR EASTER, BETWEEN THE HOURS OF 6:00 A.M. THURSDAY AND 9:00 P.M. MONDAY.
- FOR MEMORIAL DAY, BETWEEN THE HOURS OF 6:00 A.M. FRIDAY TO 9:00 P.M. TUESDAY.
- FOR INDEPENDENCE DAY, BETWEEN THE HOURS OF 6:00 A.M. THE DAY BEFORE INDEPENDENCE DAY AND 9:00 P.M. THE DAY AFTER INDEPENDENCE DAY.
IF INDEPENDENCE DAY IS ON A FRIDAY, SATURDAY, SUNDAY OR MONDAY THEN BETWEEN THE HOURS OF 6:00 A.M. THE THURSDAY BEFORE INDEPENDENCE DAY AND 9:00 P.M. THE TUESDAY AFTER INDEPENDENCE DAY.
- FOR LABOR DAY, BETWEEN THE HOURS OF 6:00 A.M. FRIDAY AND 9:00 P.M. TUESDAY.
- FOR THANKSGIVING DAY, BETWEEN THE HOURS OF 6:00 A.M. TUESDAY TO 9:00 P.M. MONDAY.
- FOR CHRISTMAS, BETWEEN THE HOURS OF 6:00 A.M. THE FRIDAY BEFORE THE WEEK OF CHRISTMAS DAY AND 9:00 P.M. THE FOLLOWING TUESDAY AFTER THE WEEK OF CHRISTMAS.
- FOR ANY NASCAR EVENT AT THE CHARLOTTE MOTOR SPEEDWAY, BETWEEN THE HOURS OF 6:00 A.M. THE WEDNESDAY BEFORE THE 1ST TRACK EVENT UNTIL 9:00 P.M. THE DAY AFTER THE LAST TRACK EVENT.
- FOR ANY CAROLINA PANTHERS GAME PLAYED IN CHARLOTTE, FROM FIVE (5) HOURS BEFORE THE GAME TO FIVE (5) HOURS AFTER THE GAME.
- FOR ANY UNIVERSITY OF NORTH CAROLINA AT CHARLOTTE FOOTBALL GAME PLAYED IN CHARLOTTE, FROM THREE (3) HOURS BEFORE THE GAME TO THREE HOURS AFTER THE GAME.
- FOR THE GOODGUYS CAR SHOW AT THE CHARLOTTE MOTOR SPEEDWAY, BETWEEN THE HOURS OF 6:00 A.M. THE FRIDAY OF THE EVENT UNTIL 9:00 P.M. THE SUNDAY OF THE EVENT.

C) DO NOT STOP TRAFFIC AS FOLLOWS:

ROAD NAME	DAY AND TIME RESTRICTIONS	DURATION AND OPERATION
I-85	6:00 AM TO 12:00 MIDNIGHT, MONDAY THRU SUNDAY	30 MINUTES, GIRDER INSTALLATION (USING RSD 1101.03, SHEET 9 OF 9)

D) DO NOT CONDUCT SINGLE VEHICLE HAULING AS FOLLOWS; INGRESS AND EGRESS FROM RAMPS WILL BE ALLOWED:

ROAD NAME	DAY AND TIME RESTRICTIONS
I-85	6:00 AM TO 9:00 PM, MONDAY THRU SUNDAY

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

ROAD NAME	DAY AND TIME RESTRICTIONS
I-85	6:00 AM TO 9:00 PM, MONDAY THRU SUNDAY

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.

PAVEMENT EDGE DROP OFF REQUIREMENTS

- L) BACKFILL AT A 6:1 SLOPE UP TO THE EDGE AND ELEVATION OF EXISTING PAVEMENT IN AREAS ADJACENT TO AN OPENED TRAVEL LANE THAT HAS AN EDGE OF PAVEMENT DROP-OFF AS FOLLOWS:
- BACKFILL DROP-OFFS THAT EXCEED 2 INCHES ON ROADWAYS WITH POSTED SPEED LIMITS OF 45 MPH OR GREATER.
- BACKFILL DROP-OFFS THAT EXCEED 3 INCHES ON ROADWAYS WITH POSTED SPEED LIMITS LESS THAN 45 MPH.
- BACKFILL WITH SUITABLE COMPACTED MATERIAL, AS APPROVED BY THE ENGINEER, AT NO EXPENSE TO THE DEPARTMENT.
- M) DO NOT EXCEED A DIFFERENCE OF 2 INCHES IN ELEVATION BETWEEN OPEN LANES OF TRAFFIC FOR NOMINAL LIFTS OF 1.5 INCHES. INSTALL ADVANCE WARNING "UNEVEN LANES" SIGNS (W8-11) 200 FT IN ADVANCE AND A MINIMUM OF EVERY HALF MILE THROUGHOUT THE UNEVEN AREA.

TRAFFIC PATTERN ALTERATIONS

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

SIGNING

- O) INSTALL ADVANCE WORK ZONE WARNING SIGNS WHEN WORK IS WITHIN 40 FT FROM THE EDGE OF TRAVEL LANE AND NO MORE THAN THREE (3) DAYS PRIOR TO THE BEGINNING OF CONSTRUCTION.
- P) 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.
- Q) 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.
- R) ENSURE ALL NECESSARY SIGNING IS IN PLACE PRIOR TO ALTERING ANY TRAFFIC PATTERN.
- S) INSTALL BLACK ON ORANGE "DIP" SIGNS (W8-2) AND/OR "BUMP" SIGNS (W8-1) 350 FT IN ADVANCE OF THE UNEVEN AREA, OR AS DIRECTED BY THE ENGINEER.

TRAFFIC BARRIER

T) 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 TRANSPORTATION MANAGEMENT PLANS, TEMPORARY BARRIER IS PROTECTING A HAZARD, OR AS DIRECTED BY THE ENGINEER.

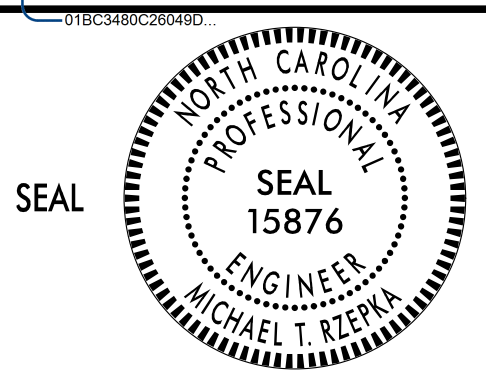
INSTALL TEMPORARY BARRIER WITH THE TRAFFIC FLOW BEGINNING WITH THE UPSTREAM SIDE OF TRAFFIC. REMOVE TEMPORARY BARRIER AGAINST THE TRAFFIC FLOW BEGINNING WITH THE DOWNSTREAM SIDE OF TRAFFIC.

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.

U) 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: (SEE ALSO 1101.05)

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

APPROVED: <i>Michael T. Rzepka</i> DATE: 7/23/2015 	TRANSPORTATION OPERATIONS PLAN					
SCALE: NONE DATE: JUL '15 DWG. BY: ACP DESIGN BY: ACP REVIEWED BY: MTR	<table border="1"> <thead> <tr> <th>REVISIONS</th> </tr> </thead> <tbody> <tr><td> </td></tr> <tr><td> </td></tr> <tr><td> </td></tr> <tr><td> </td></tr> </tbody> </table>	REVISIONS				
REVISIONS						

GENERAL NOTES

TRAFFIC CONTROL DEVICES

- V) 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.
- W) PLACE TYPE III BARRICADES, WITH "ROAD CLOSED" SIGN R11-2 ATTACHED, OF SUFFICIENT LENGTH TO CLOSE ENTIRE ROADWAY.
- X) PLACE ADDITIONAL SETS OF THREE CHANNELIZING DEVICES DRUMS PERPENDICULAR TO THE EDGE OF TRAVELWAY ON 500 FT CENTERS WHEN UNOPENED LANES ARE CLOSED TO TRAFFIC.

PAVEMENT MARKINGS AND MARKERS

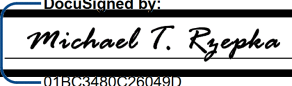

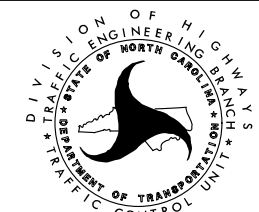
- Y) INSTALL TEMPORARY PAVEMENT MARKINGS AND TEMPORARY PAVEMENT MARKERS ON INTERIM LAYERS OF PAVEMENT AS FOLLOWS:

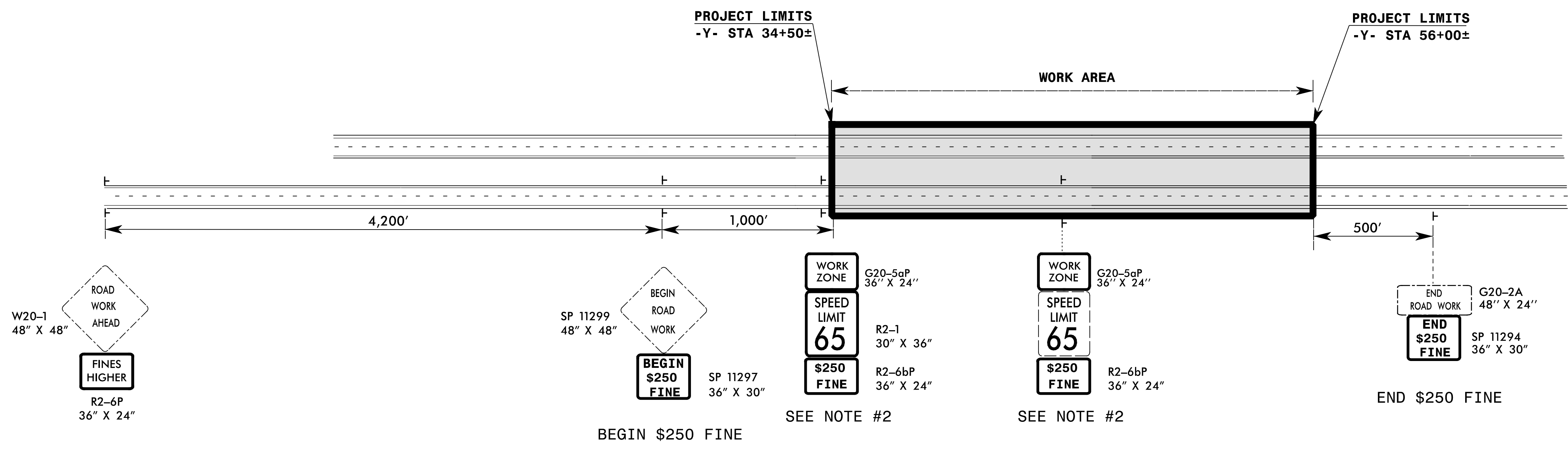
ROAD NAME	MARKING	MARKER
ANY ROAD	PAINT	TEMPORARY RAISED

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

MISCELLANEOUS

- CC) LAW ENFORCEMENT MAY BE USED TO MAINTAIN TRAFFIC THROUGH THE WORK AREA AND/OR INTERSECTIONS AS DIRECTED BY THE ENGINEER.
- DD) IN THE EVENT A TIE-IN CANNOT BE MADE IN ONE DAY'S TIME, BRING THE TIE-IN AREA TO AN APPROPRIATE ROADWAY ELEVATION AS DETERMINED BY THE ENGINEER. PLACE BLACK ON ORANGE "LOOSE GRAVEL" SIGNS (W8-7) AND BLACK ON ORANGE "PAVEMENT ENDS" SIGNS (W8-3) 350 FT AND 350 FT RESPECTIVELY IN ADVANCE OF THE UNEVEN AREAS. USE DRUMS TO DELINEATE THE EDGE OF ROADWAY ALONG UNPAVED AREAS.

APPROVED:  DATE: 7/23/2015 SEAL 	TRANSPORTATION OPERATIONS PLAN	REVISIONS <table border="1" style="width: 100%; height: 40px;"> <tr><td> </td><td> </td></tr> <tr><td> </td><td> </td></tr> </table>				
SCALE: NONE DATE: JUL '15 DWG. BY: ACP DESIGN BY: ACP REVIEWED BY: MTR		CAD FILE				

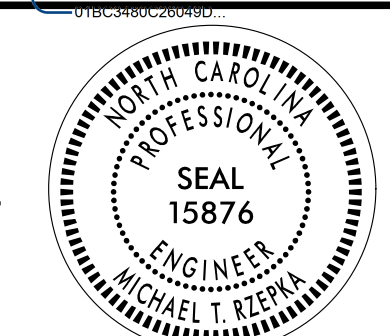



NOTES

- 1) THE \$250 SPEEDING FINE WILL BE DETERMINED BY THE ESTABLISHED CRITERIA AND COLLABORATION BETWEEN THE REGIONAL TRAFFIC ENGINEER, THE DIVISION AND THE WORK ZONE TRAFFIC CONTROL SECTION.
- 2) ONCE THE PROJECT HAS BEEN ORDINANCED FOR THE \$250 SPEEDING FINE, EACH EXISTING SPEED LIMIT SIGN WITHIN THE WORK AREA SHALL HAVE THE R2-6bP SIGN MOUNTED BELOW.
- 3) ONCE THE PROJECT HAS BEEN ORDINANCED FOR THE \$250 SPEEDING FINE, EACH "ROAD WORK AHEAD" SIGN INSTALLED ALONG ENTRANCE RAMP SHALL HAVE THE R2-6P SIGN MOUNTED BELOW.


GUIDELINES

- A) THIS DRAWING IS FOR USE ONLY AFTER AN ENGINEERING INVESTIGATION HAS BEEN PERFORMED BY THE REGIONAL TRAFFIC ENGINEER AND THE WORK ZONE TRAFFIC CONTROL SECTION. THE \$250 SPEEDING FINE IS INTENDED FOR USE ON FREEWAYS WITH SPEED LIMITS 60 MPH OR GREATER. SEE \$250 SPEEDING FINE GUIDELINES FOR THE CRITERIA.
- B) THE STATE TRAFFIC ENGINEER HAS TO ORDINANCE THE \$250 SPEEDING FINE IN ORDER FOR IT BE VALID AND ENFORCEABLE. NO "\$250 SPEEDING FINE" SIGNS SHALL BE INSTALLED PRIOR TO RECEIVING A SIGNED ORDINANCE.
- C) EACH DIRECTION OF THE PROJECT IS TO BE EVALUATED FOR THE "\$250 SPEEDING FINE". THIS DRAWING INTENTIONALLY HAS 1 DIRECTION SIGNED AS A REMINDER TO CAREFULLY CONSIDER WHETHER BOTH DIRECTIONS OF THE PROJECT NEED THE \$250 SPEEDING FINE.
- D) ALL "\$250 SPEEDING FINE" SIGNAGE SHALL BE REMOVED WHEN THE CONDITION/S THAT WARRANTED THE FINE IS REMOVED. THE REGIONAL TRAFFIC ENGINEER WILL BE NOTIFIED BY THE RESIDENT ENGINEER AT THIS TIME TO RESCIND THE ORDINANCE. THIS SHOULD TAKE PLACE BEFORE THE PROJECT IS 100% COMPLETE AND ACCEPTED FOR MAINTENANCE.

APPROVED: <i>Michael T. Rzepka</i> DATE: 7/23/2015 		<h2 style="margin: 0;">\$250 SPEEDING FINE SIGNAGE</h2>
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NOTES:

- IN PHASING BELOW "RSD" REFERS TO NCDOT ROADWAY STANDARD DRAWING.
- MAINTAIN EXISTING TRAFFIC PATTERNS IN PHASE I.
- IN PHASE I AND PHASE II, PROPOSED CONSTRUCTION IS UP TO BUT NOT INCLUDING THE FINAL LAYER OF SURFACE COURSE, UNLESS OTHERWISE NOTED.
- COORDINATE WITH PROJECTS I-3802B AND W-5313 FOR CONSTRUCTION ACTIVITIES.

	PROJ. REFERENCE NO.	SHEET NO.
	W-5516	TMP-3

PHASE I

STEP 1

INSTALL ADVANCE WARNING SIGNS AS SHOWN IN RSD 1101.01 FOR I-85, -L- LINE AND ALL -Y- LINES.

STEP 2

AWAY FROM TRAFFIC, BEGIN CONSTRUCTION OF THE FOLLOWING PROPOSED (SEE SHEETS TMP-4 THRU TMP-7):

- STRUCTURE, INCLUDING END BENT 1, BENT 1 & BENT 2
- L- STA 18+00± TO -L- STA 40+00±
- L- STA 41+00± TO -L- STA 57+45±
- L- STA 62+75± TO -L- STA 137+75±
- Y3- STA 15+50± TO PROPOSED -L-

USING RSD 1101.02 (SHEET 1 OF 15), BEGIN CONSTRUCTION AND PROPOSED WIDENING AND WEDGING OF EXISTING ROADWAY AT THE FOLLOWING LOCATIONS (SEE SHEETS TMP-4 & 7):

- L- STA 17+80± TO -L- STA 18+00±
- L- STA 137+75± TO -L- STA 141+75±
- Y1- STA 11+40± TO -Y1- STA 17+15±
- Y3- STA 12+50± TO -Y3- STA 15+50±
- Y3A- FROM EXISTING LENTZ ROAD TO PROPOSED -Y3-

USING RSD 1101.02 (SHEET 4 OF 15), CONSTRUCT PAVEMENT WIDENING FOR ACCEL./DECEL. IN THE MEDIAN OF I-85. INSTALL PORTABLE CONCRETE BARRIER (PCB) ALONG MEDIAN AND OUTSIDE SHOULDERS OF NB & SB I-85. IN CONJUNCTION WITH PCB INSTALLATION, INSTALL THE \$250 SPEEDING PENALTY SIGNS (SEE SHEET TMP-2A). BEHIND BARRIER AND USING RSD 1101.03 (SHEET 9 OF 9), BEGIN CONSTRUCTION OF PROPOSED STRUCTURE OVER I-85, INCLUDING BENT 3, BENT 4 AND END BENT 2 (SEE SHEET TMP-6).

PHASE II

STEP 1

INSTALL COVERED ROAD CLOSURE SIGNS AND DETOUR SIGNS FOR CHINA GROVE ROAD (-Y2-) CLOSURE (SEE SHEET TMP-2).

NOTE: WORK IN PHASE II, STEP 2 & STEP 3 CAN BE PERFORMED SIMULTANEOUSLY.

COMPLETE THE WORK REQUIRED IN PHASE II, STEP 2 IN THIRTY (30) CONSECUTIVE CALENDAR DAYS (SEE INTERMEDIATE CONTRACT TIME AND LIQUIDATED DAMAGES).

STEP 2

UNCOVER ROAD CLOSURE AND OFFSITE DETOUR SIGNS INSTALLED IN STEP 1. CLOSE -Y2- AT -L- CROSSING (SEE SHEET TMP-2).

AWAY FROM TRAFFIC, CONSTRUCT THE FOLLOWING PROPOSED (SEE SHEET TMP-8):

- Y2- STA 12+90± TO -Y2- STA 18+10±
- L- STA 40+00± TO -L- STA 41+00±

PLACE TEMPORARY PAVEMENT MARKINGS AND MARKERS ON -Y2- AND REOPEN TO TRAFFIC. REMOVE OFFSITE DETOUR SIGNING AND DEVICES. KEEP -L- CLOSED.

STEP 3

- A) COMPLETE PROPOSED CONSTRUCTION BEGUN IN PHASE I, INCLUDING STRUCTURE OVER I-85. AWAY FROM TRAFFIC PLACE TEMPORARY PAVEMENT MARKINGS AND MARKERS ON -L- & -Y3-.
- B) USING RSD 1101.02 (SHEET 4 OF 15), REMOVE PCB ALONG MEDIAN AND OUTSIDE SHOULDERS OF I-85 AND REMOVE TEMPORARY MEDIAN PAVEMENT. REMOVE THE \$250 SPEEDING PENALTY SIGNS.

PHASE III

NOTE : COORDINATE WORK IN PHASE III, STEP 1 AT -Y1-, -Y2-, -Y3- & -Y3A- TO OPEN THE ENTIRE LENGTH OF -L- FROM OLD BEATTY FORD ROAD TO LENTZ ROAD AND -Y3- AT THE SAME TIME. INSTALL PROPOSED SIGNING ON PROJECT (SEE SIGNING PLANS). COVER AS DIRECTED BY THE ENGINEER.

STEP 1

USING RSD 1101.02 (SHEET 1 OF 15), COMPLETE THE FOLLOWING (SEE SHEETS TMP-9 AND TMP-10):

A) PAVE TIE-INS FROM EXISTING OLD BEATTY FORD ROAD TO RELOCATED -L- & -Y1-. PAVE TIE-INS FROM EXISTING LENTZ ROAD TO RELOCATED -L-, -Y3- & -Y3A-. INSTALL TEMPORARY PAVEMENT MARKINGS AND MARKERS AND TIE TO EXISTING. INSTALL TEMPORARY STOP BARS ON -Y1-, -Y2- AND -Y3- AT -L- AND ON -Y3A-. INSTALL PORTABLE CHANGEABLE MESSAGE SIGNS ON -Y1-, -Y2- AND -Y3-.

B) OPEN RELOCATED -L-, -Y1-, -Y2-, -Y3- & -Y3A- TO FINAL PATTERN AND UNCOVER PROPOSED SIGNING.

STEP 2

USING RSD 1101.02 (SHEET 1 OF 15), REMOVE EXISTING PAVEMENT ALONG -L- AT -Y1- & -Y3- (SEE ROADWAY PLANS)(SEE SHEETS TMP-9 & 10). COMPLETE SHOULDER CONSTRUCTION.

ON EXISTING OLD BEATTY FORD ROAD, COMPLETE THE FOLLOWING:

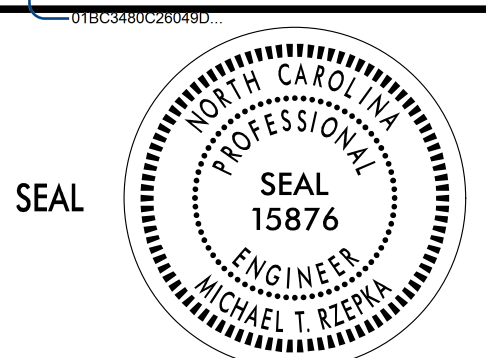
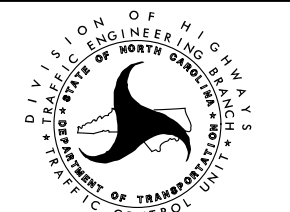
- CLOSE EXISTING ROAD TO TRAFFIC WITH PERMANENT BARRICADE AT PROPOSED GUARDRAIL LOCATIONS AND INSTALL TEMPORARY CONCRETE BARRIER ACROSS EXISTING ROAD AT BOTH ENDS OF EXISTING BRIDGE OVER I-85 (SEE ROADWAY PLANS FOR LOCATIONS).
- CONSTRUCT CUL-DE-SAC AND TURNAROUND ON EXISTING ROAD AND INSTALL GUARDRAIL (SEE ROADWAY PLANS FOR LOCATIONS). REMOVE PERMANENT BARRICADE.

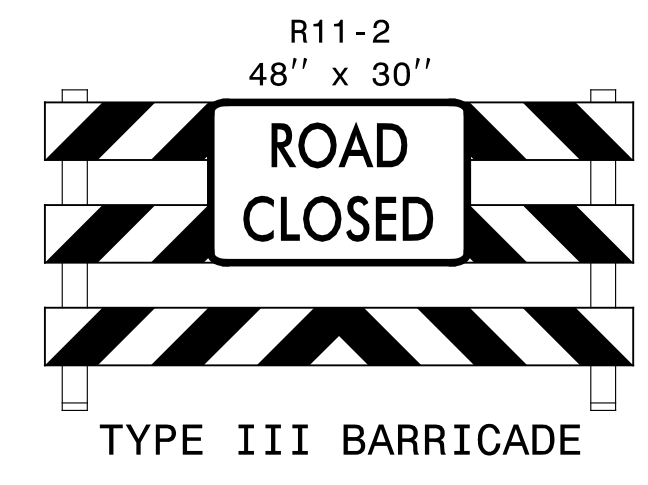
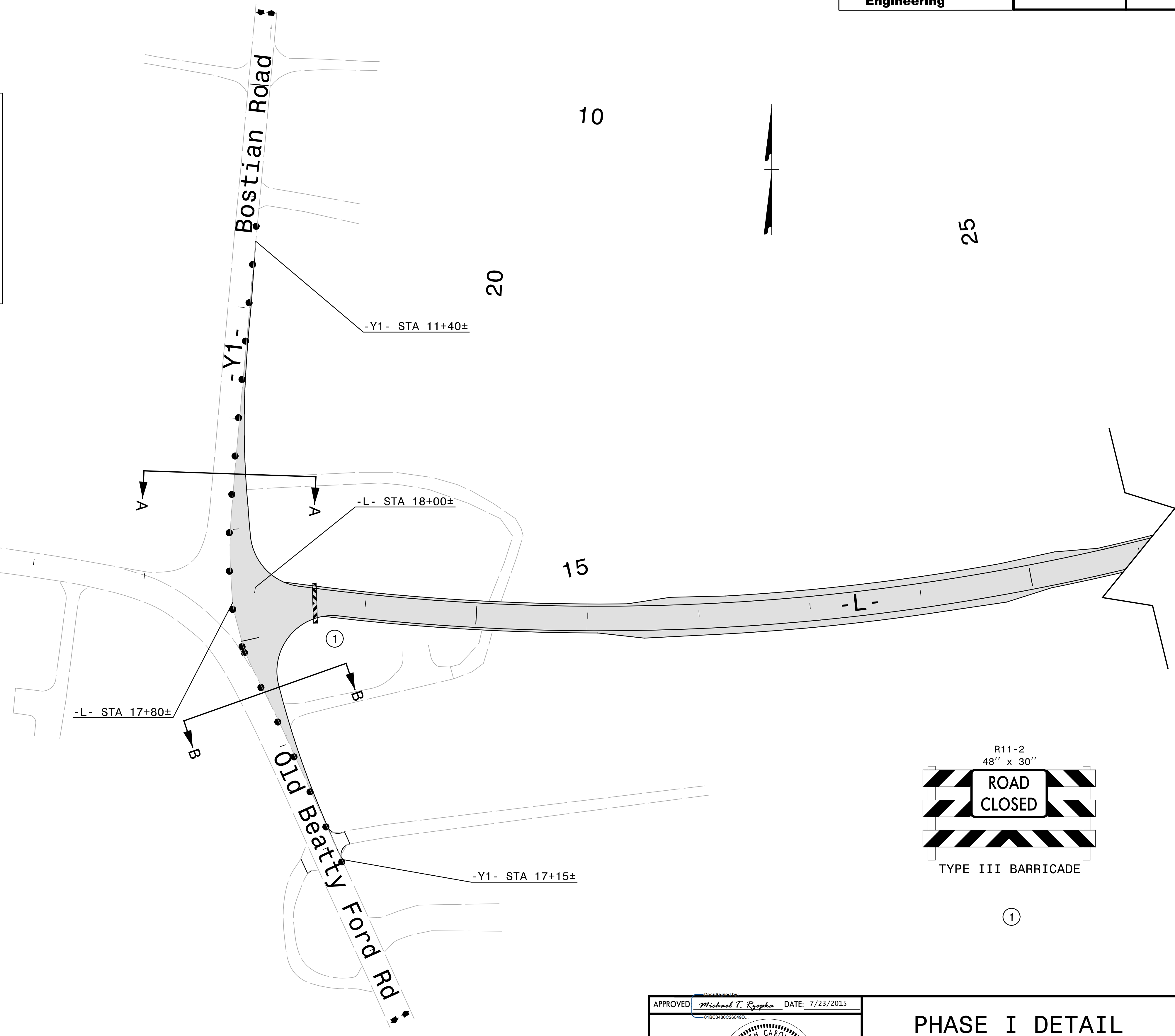
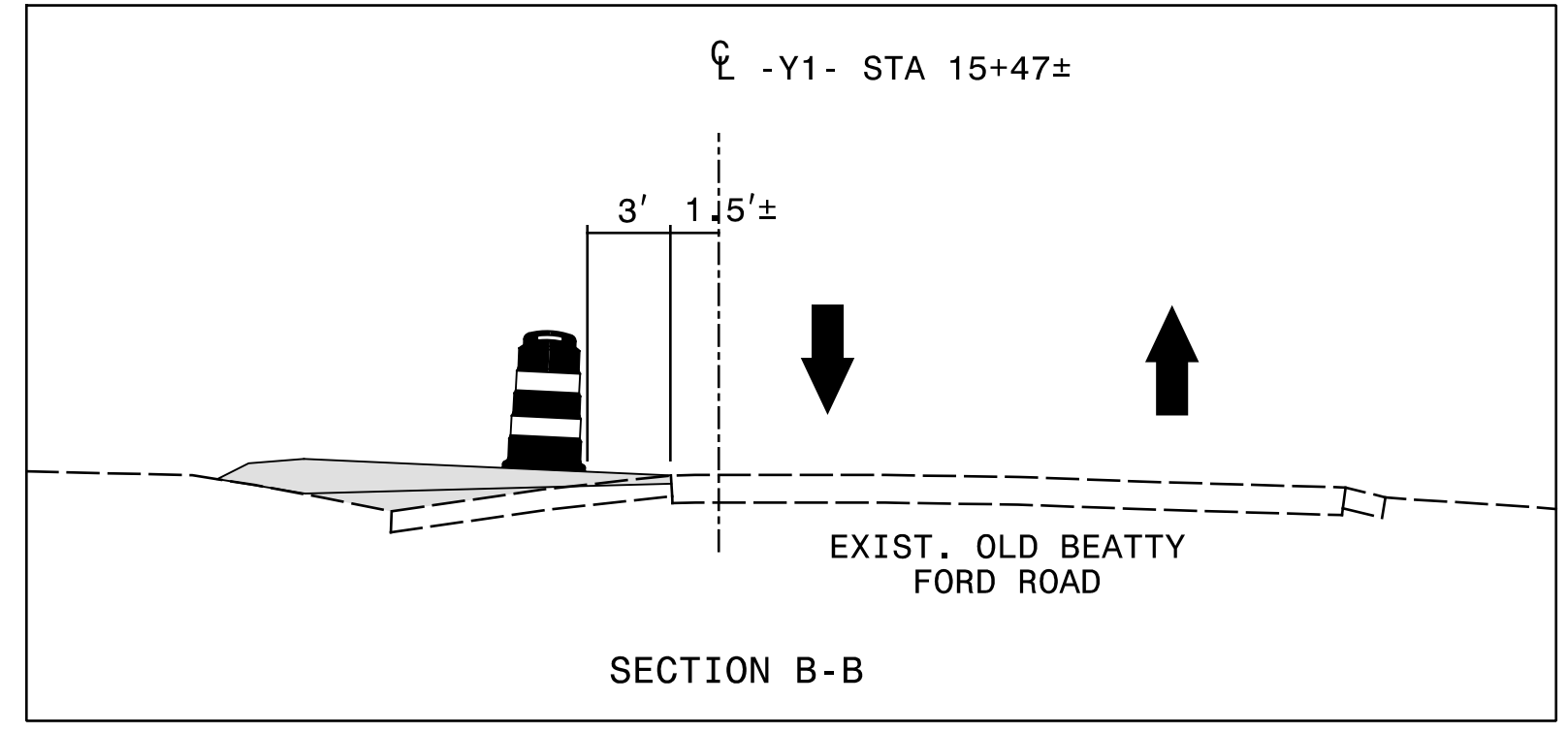
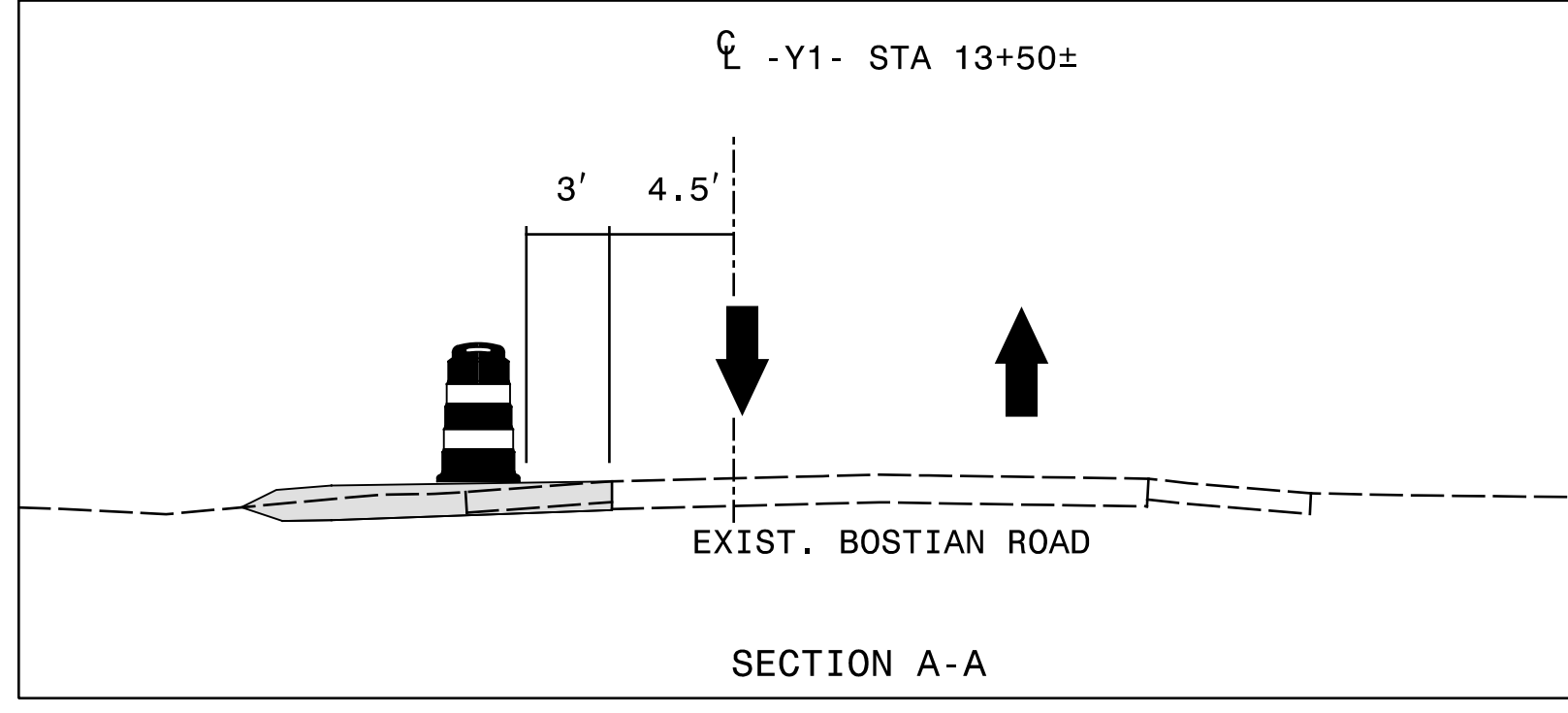
STEP 3

USING RSD 1101.02 (SHEET 1 OF 15), COMPLETE THE FOLLOWING:


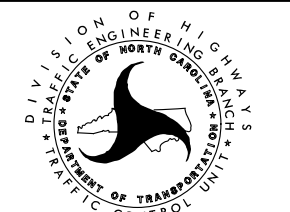
- A) PLACE FINAL LAYER OF SURFACE COURSE ON -L-, -Y1-, -Y2-, -Y3- & -Y3A-
- B) PLACE FINAL PAVEMENT MARKINGS AND MARKERS
- C) REMOVE ALL WORK ZONE TRAFFIC CONTROL DEVICES AND SIGNING

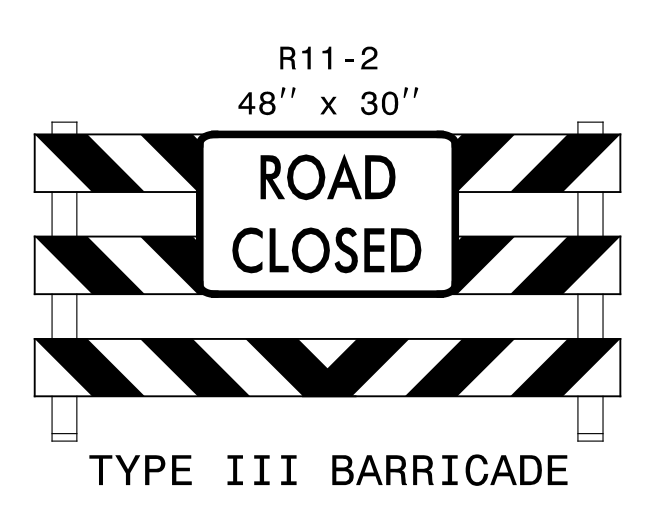
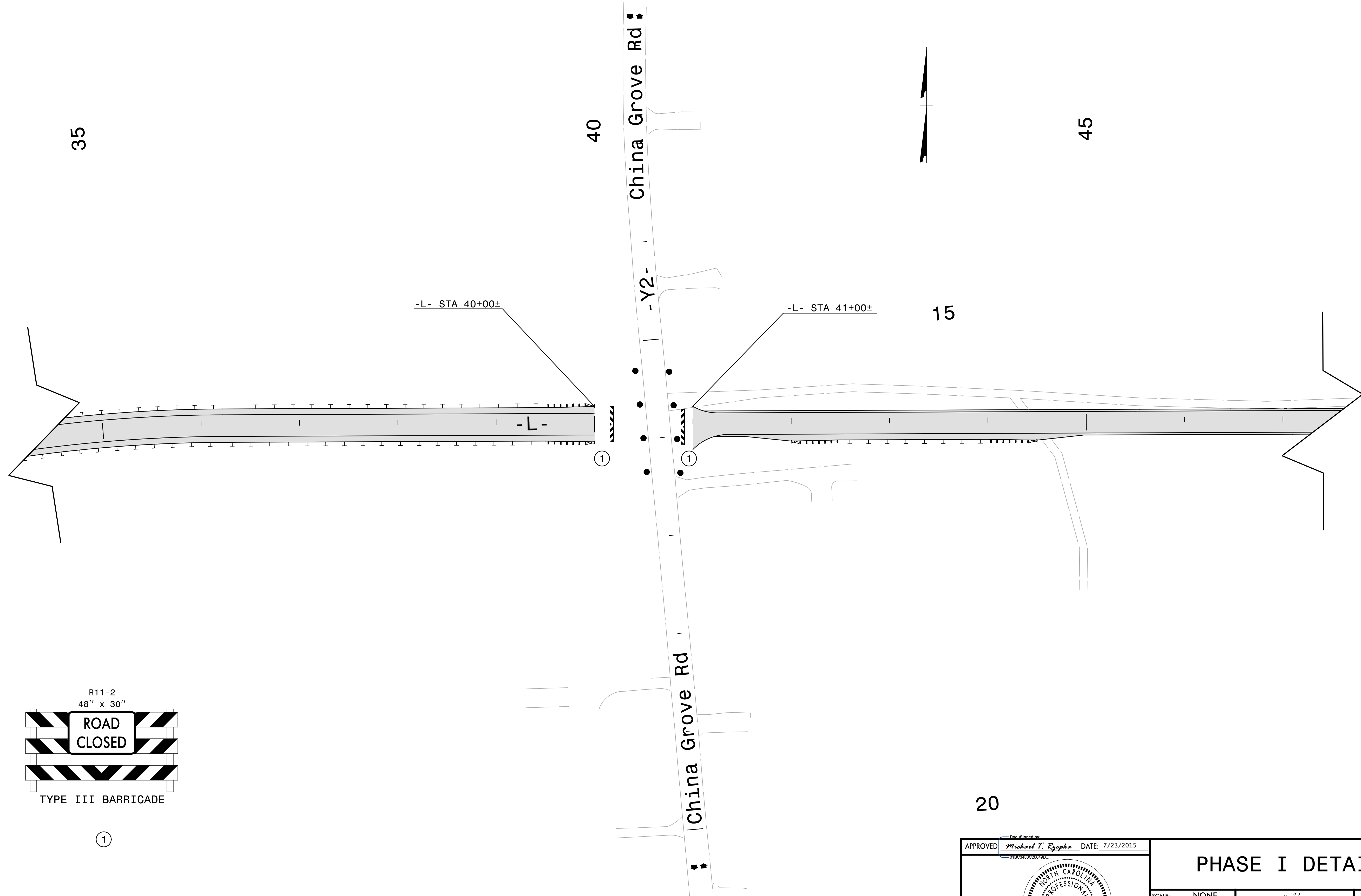
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APPROVED: <i>Michael T. Ryepka</i> DATE: 7/23/2015	PHASING	
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	DATE: JUL '15	
	DWG. BY: ACP	
	DESIGN BY: ACP	
REVIEWED BY: MTR	REVISIONS	



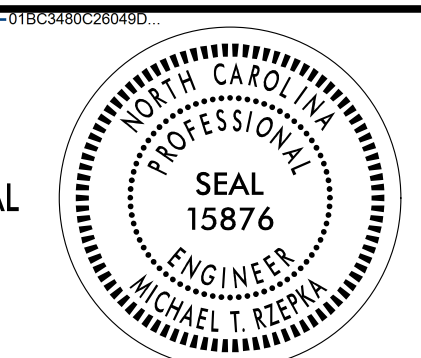
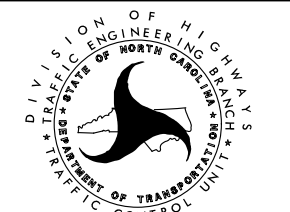
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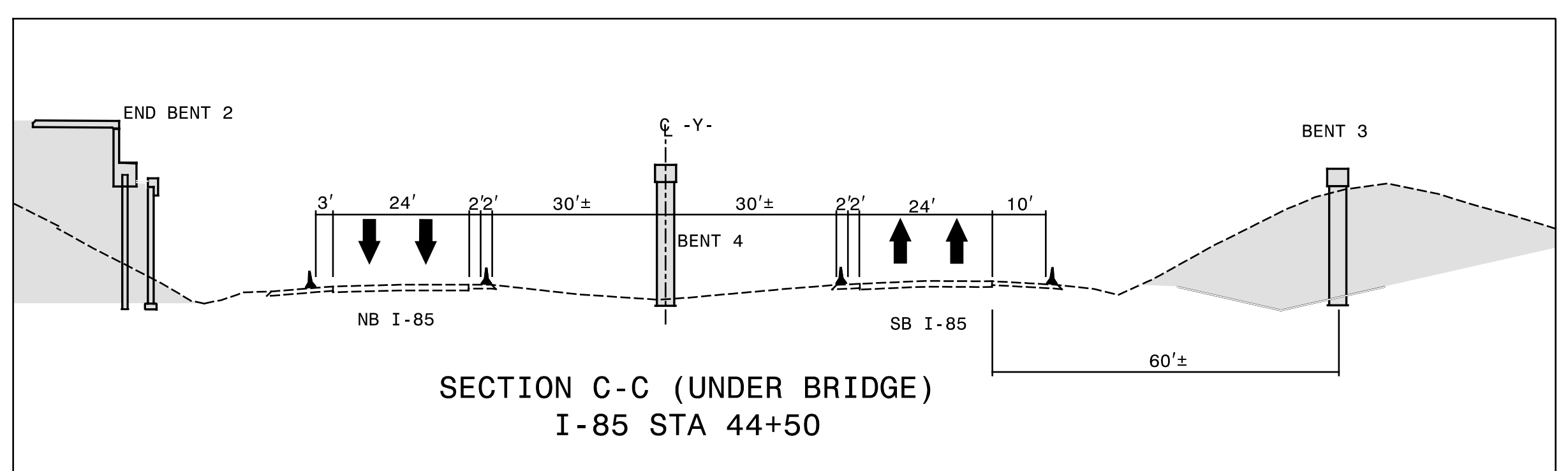
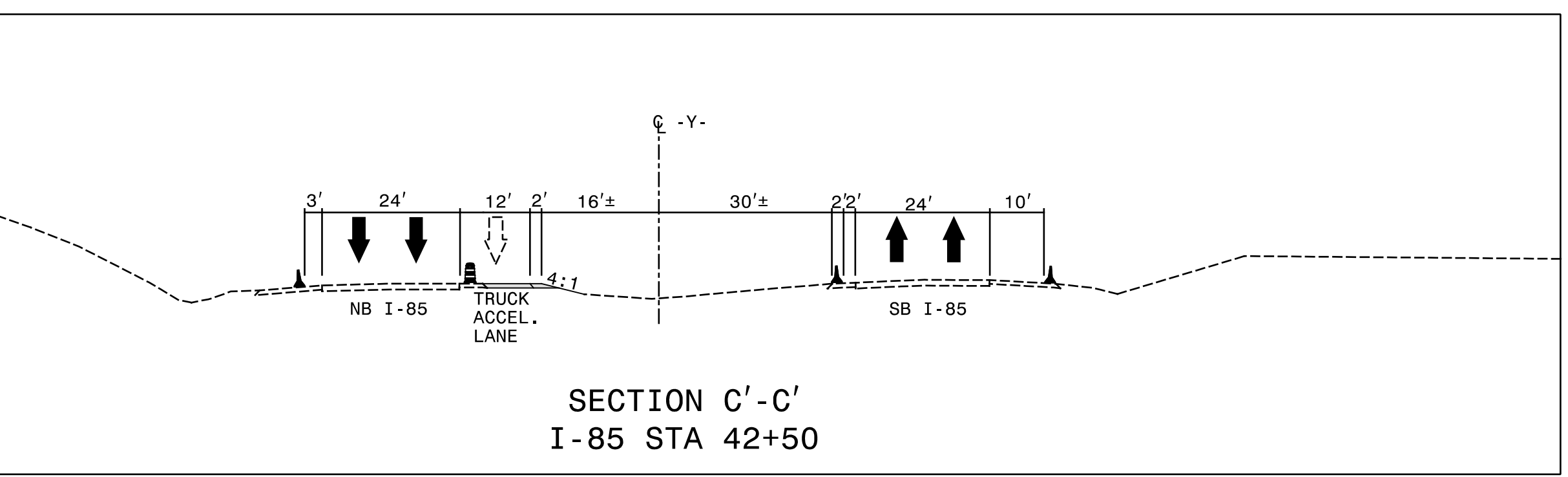
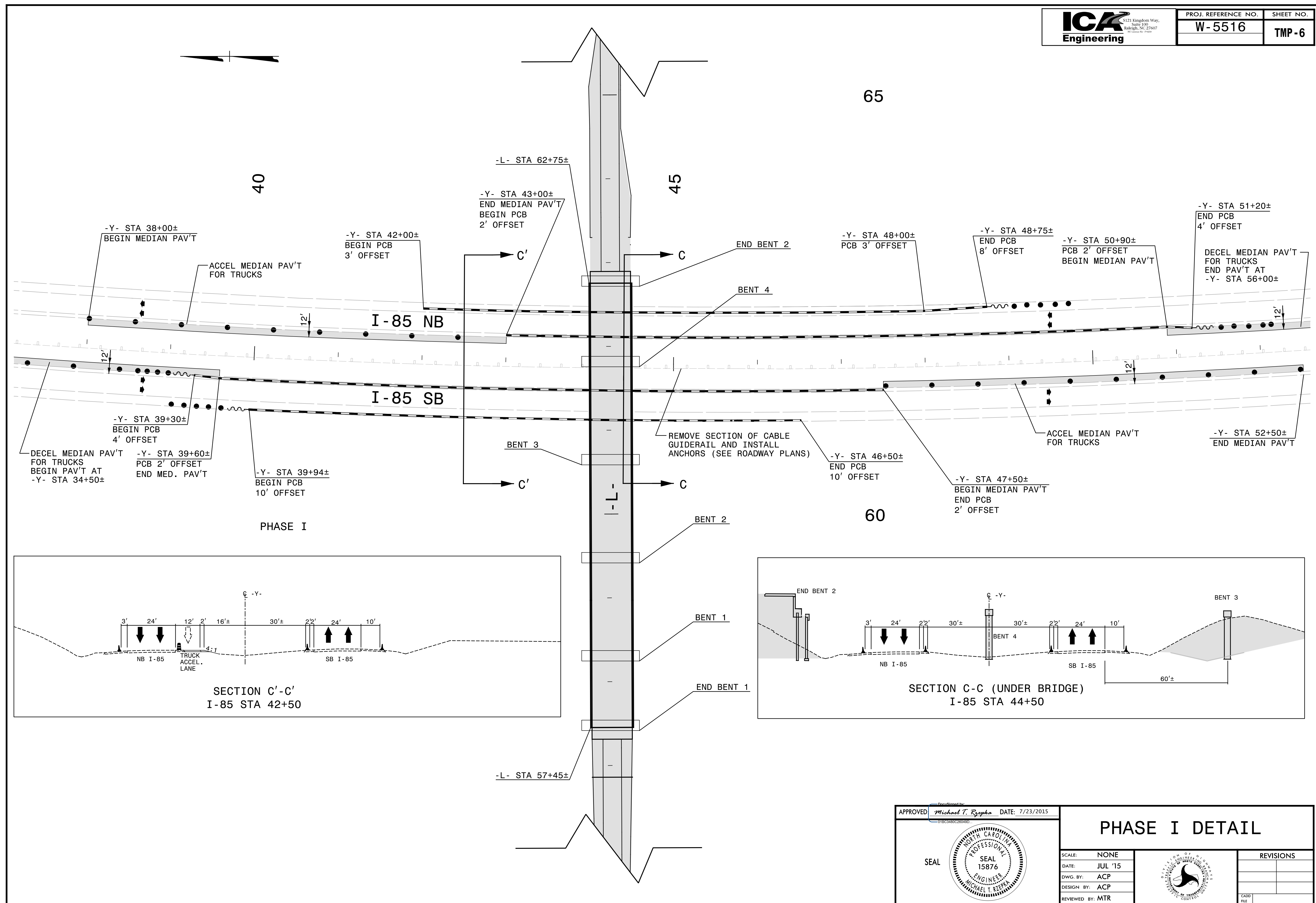
APPROVED: <i>Michael T. Rzepka</i> DATE: 7/23/2015 	<h3>PHASE I DETAIL</h3>							
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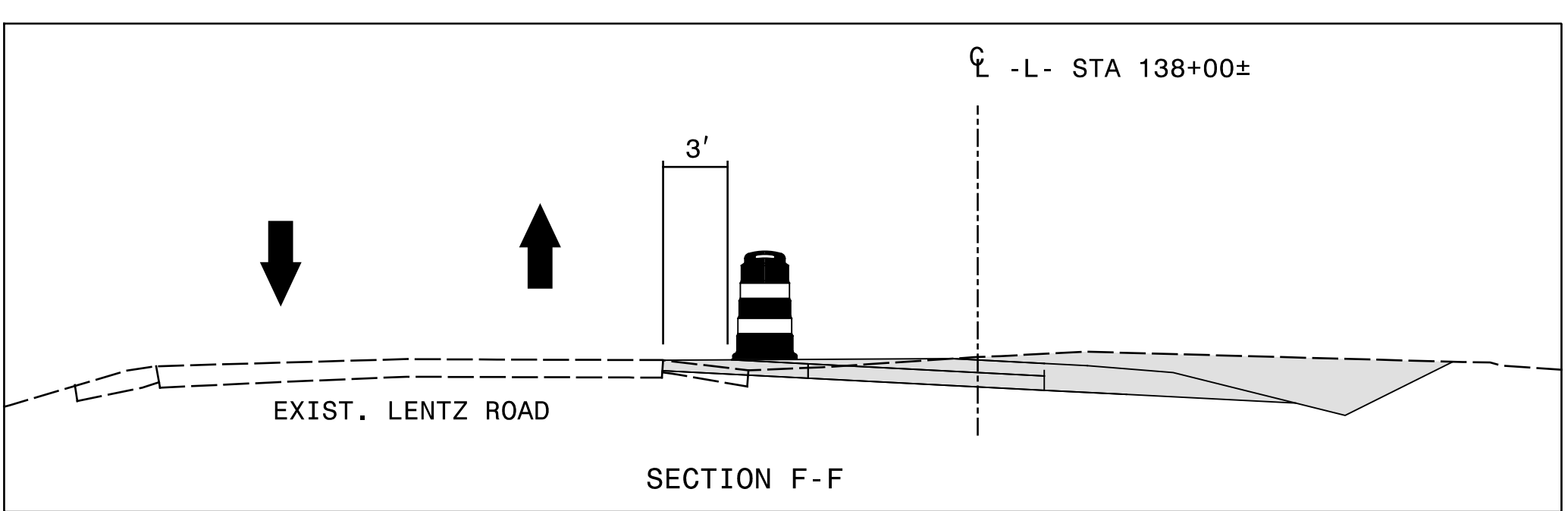
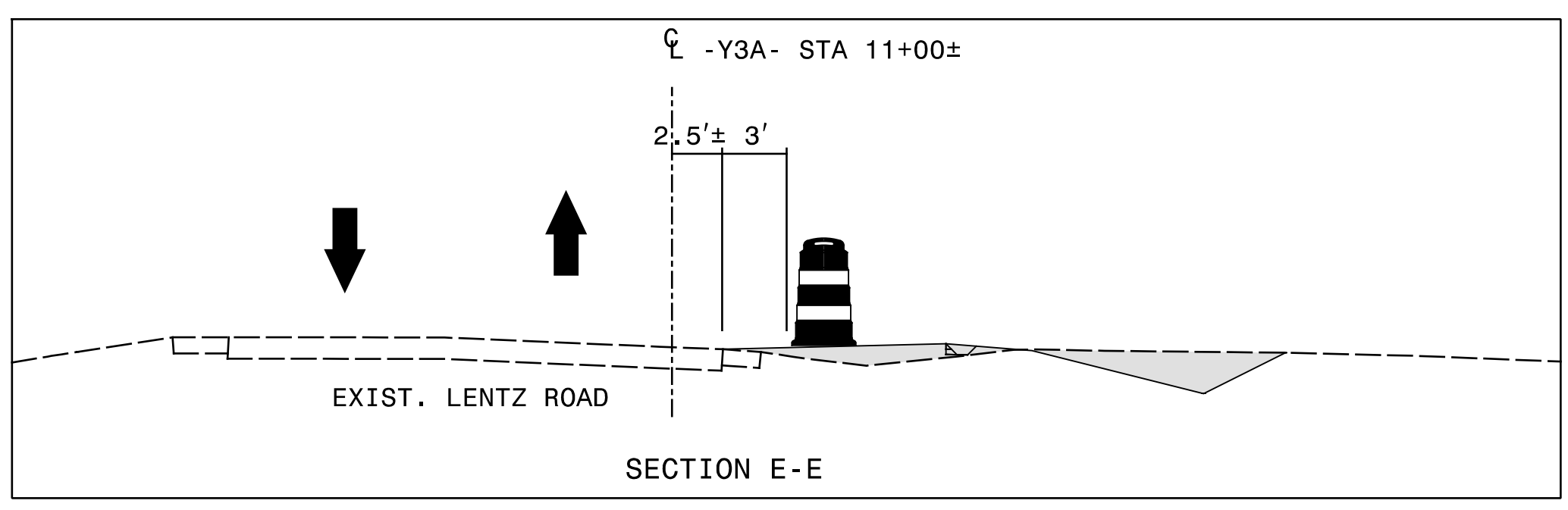
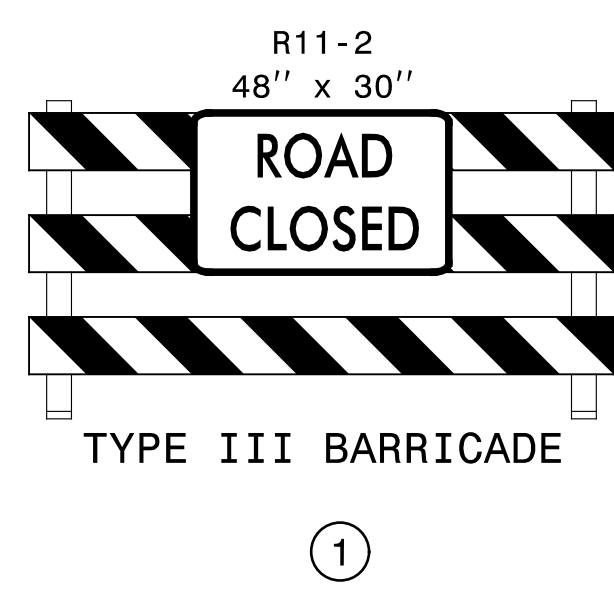
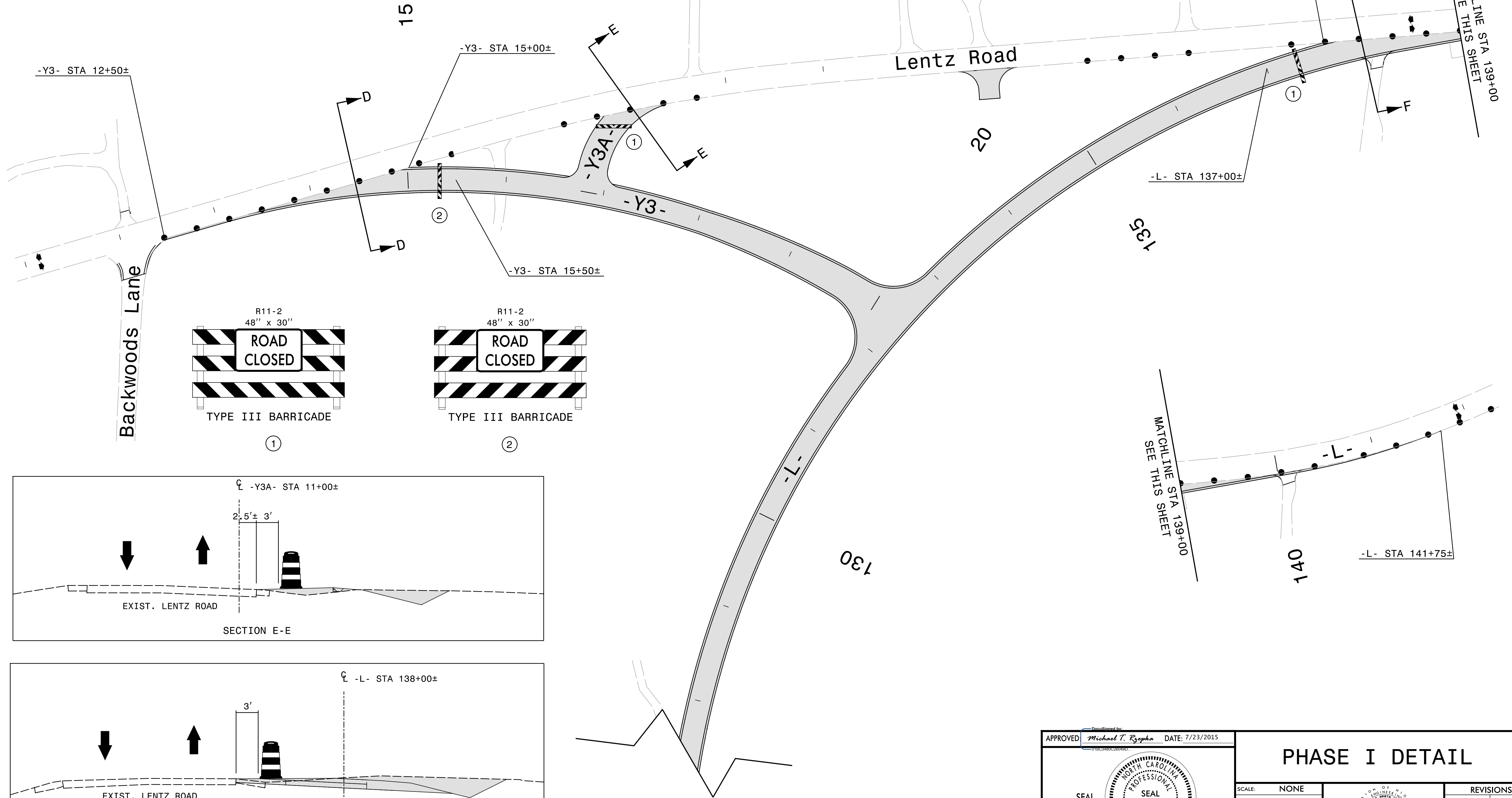
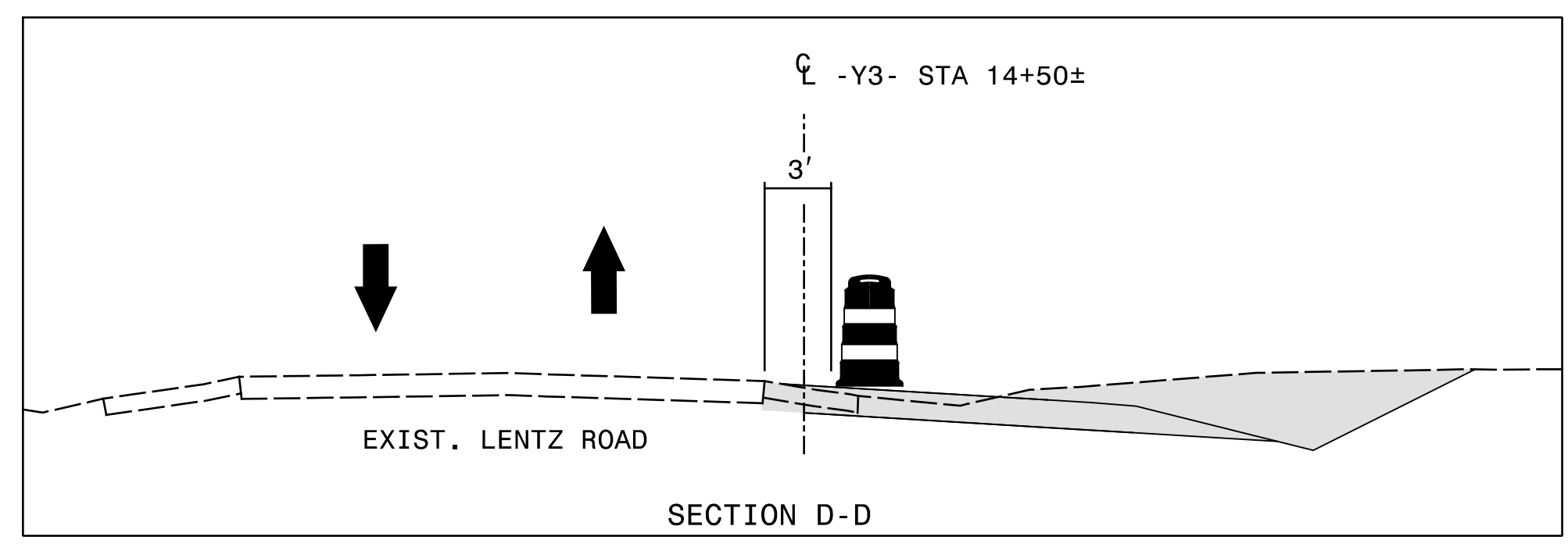
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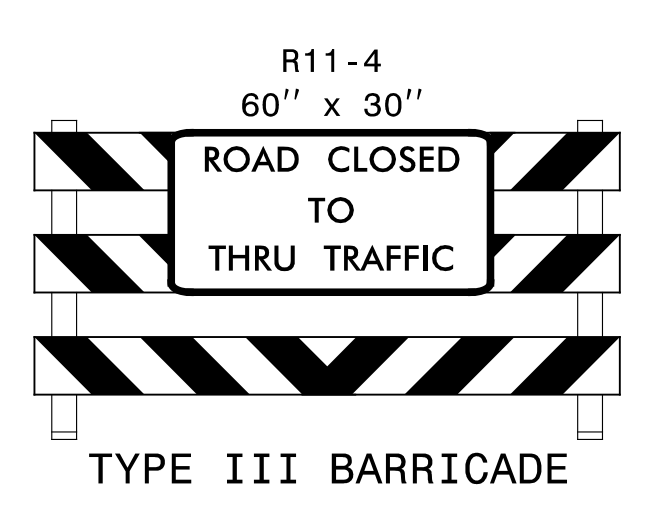
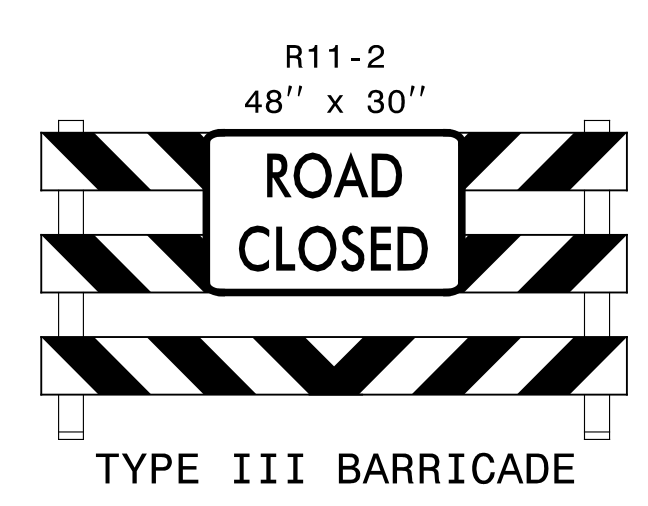
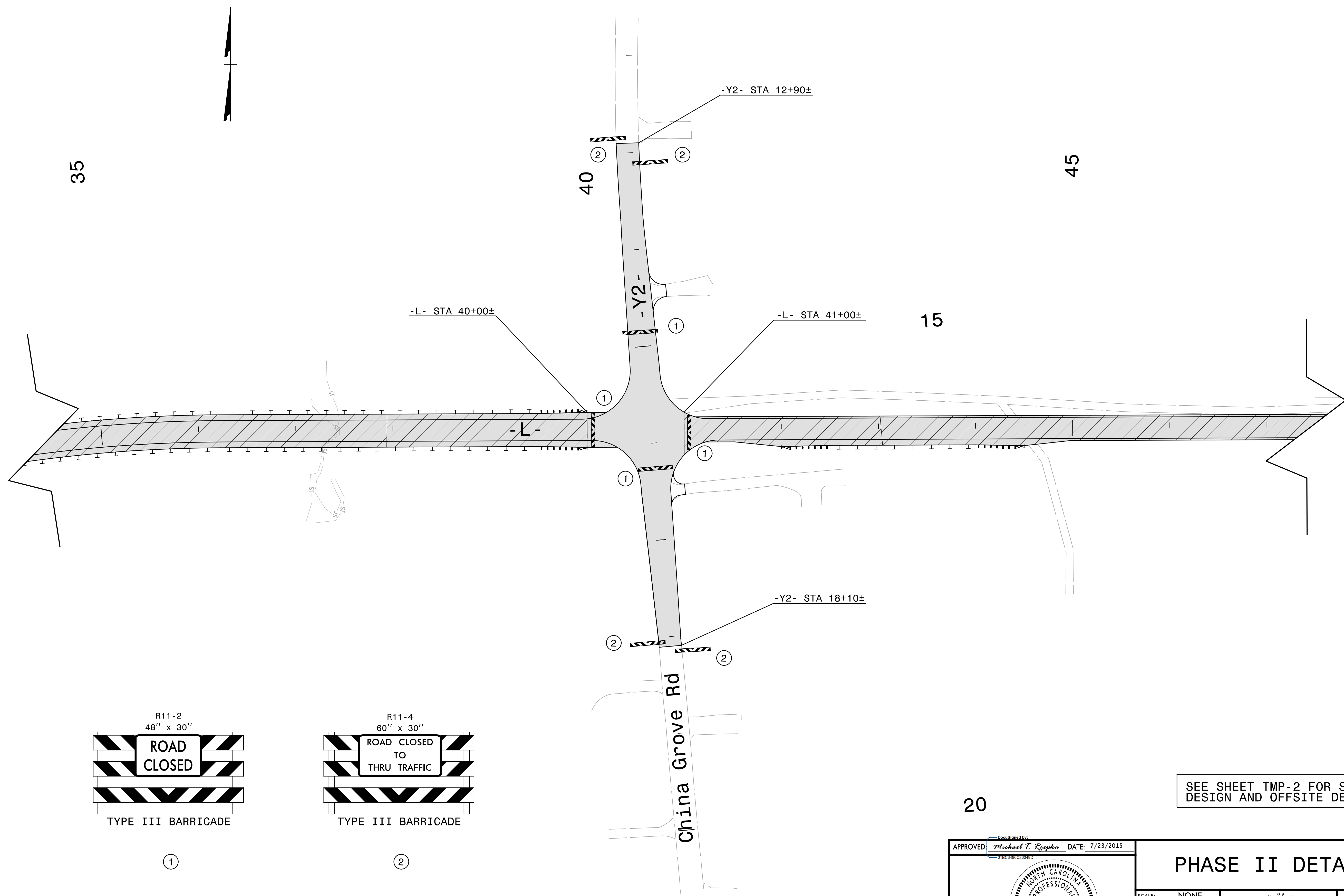


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SEAL
MICHAEL T. RZEPKA
PROFESSIONAL ENGINEER
SEAL 15876
STATE OF NORTH CAROLINA


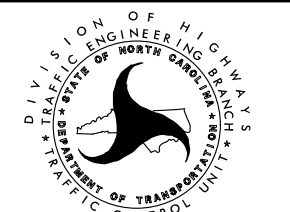
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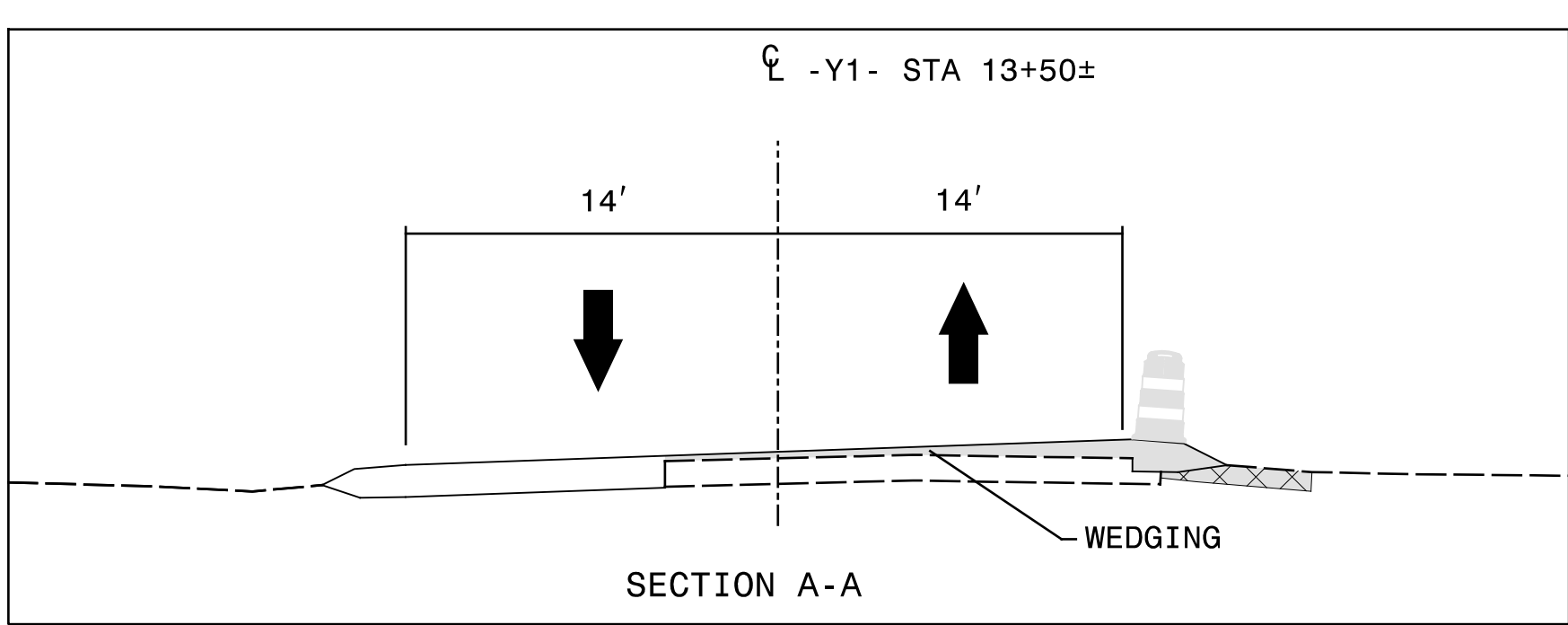
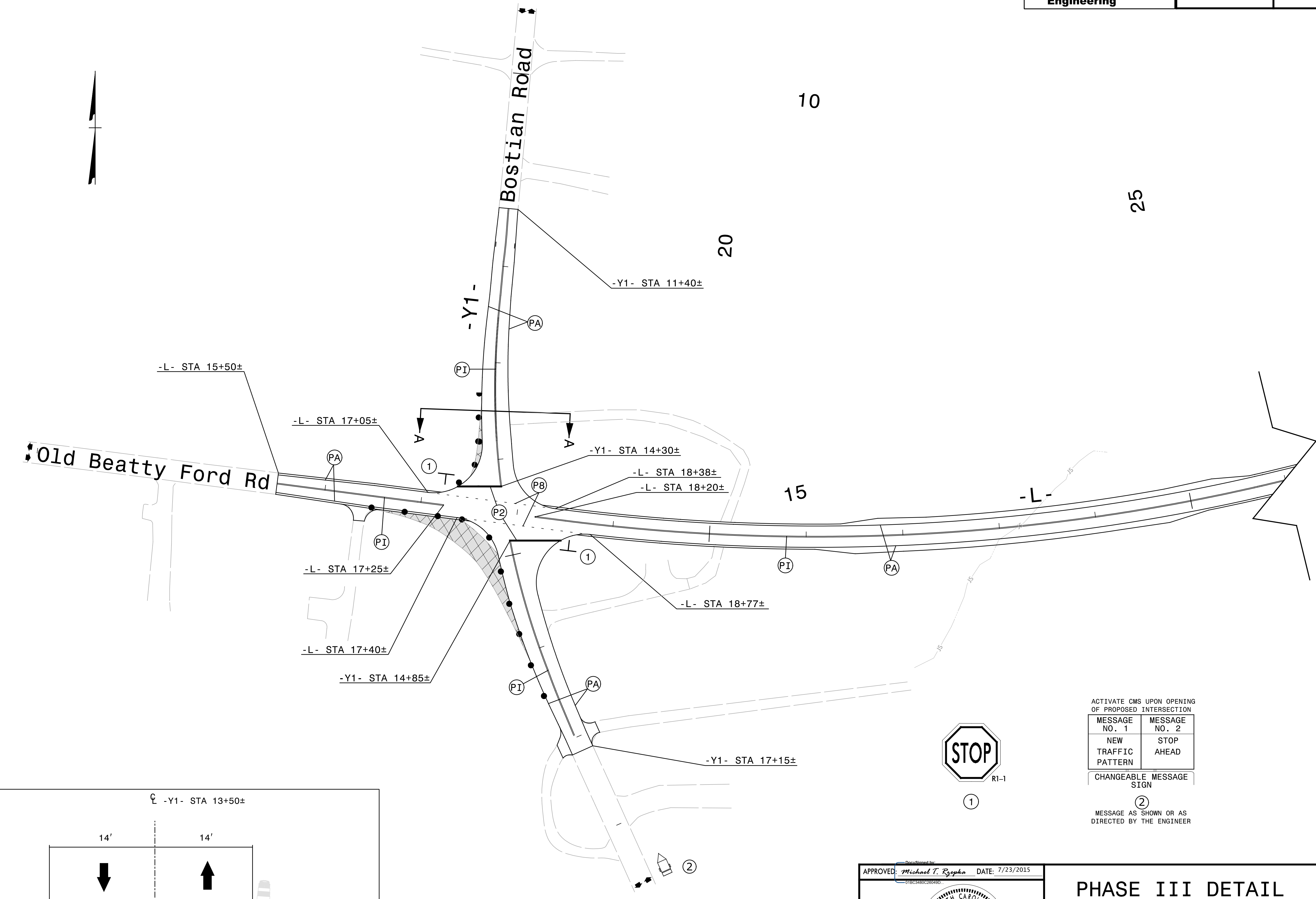
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CADD FILE



SEE SHEET TMP-2 FOR SIGN DESIGN AND OFFSITE DETOUR.

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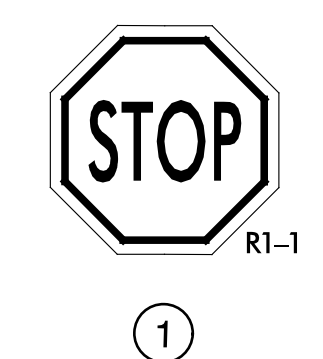



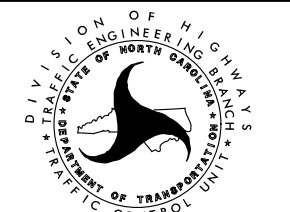
ACTIVATE CMS UPON OPENING OF PROPOSED INTERSECTION

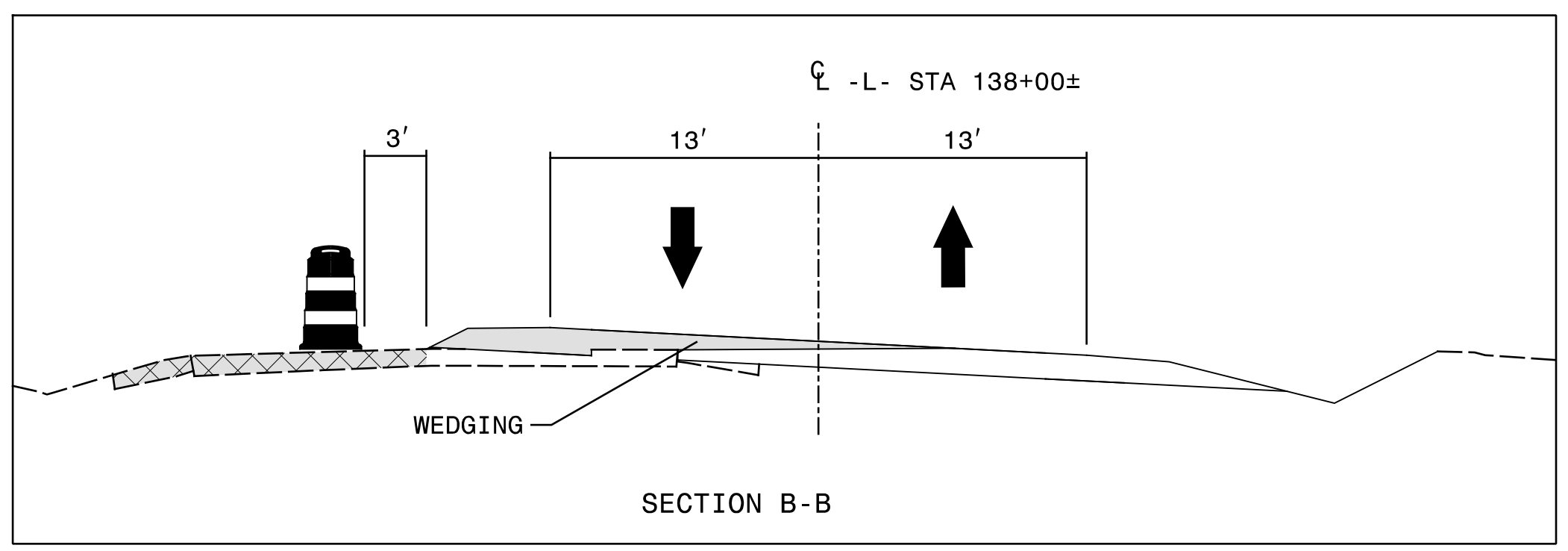
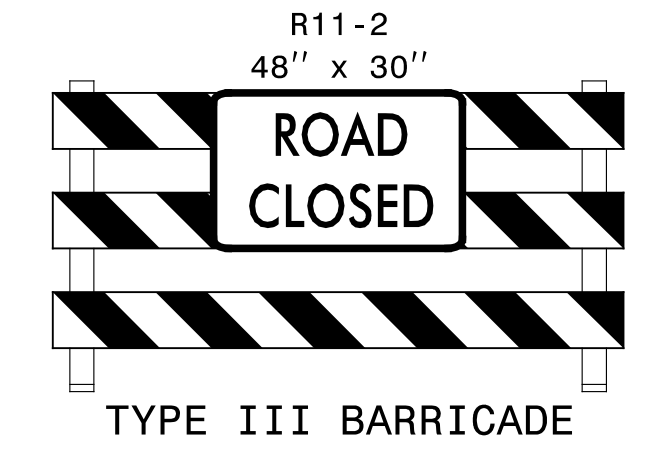
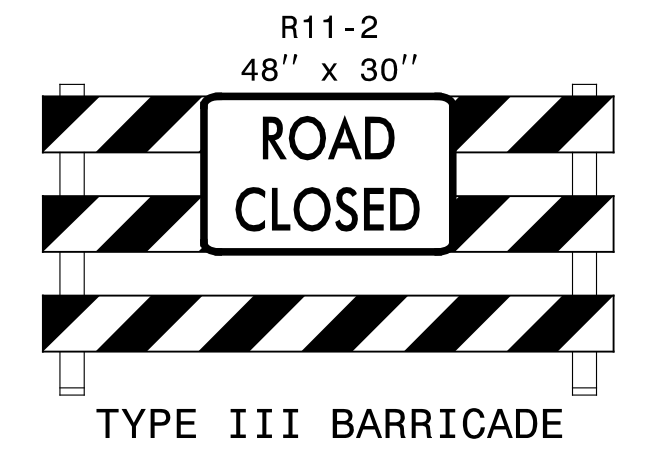
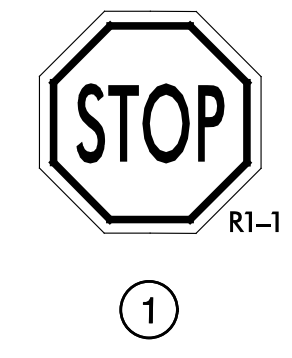
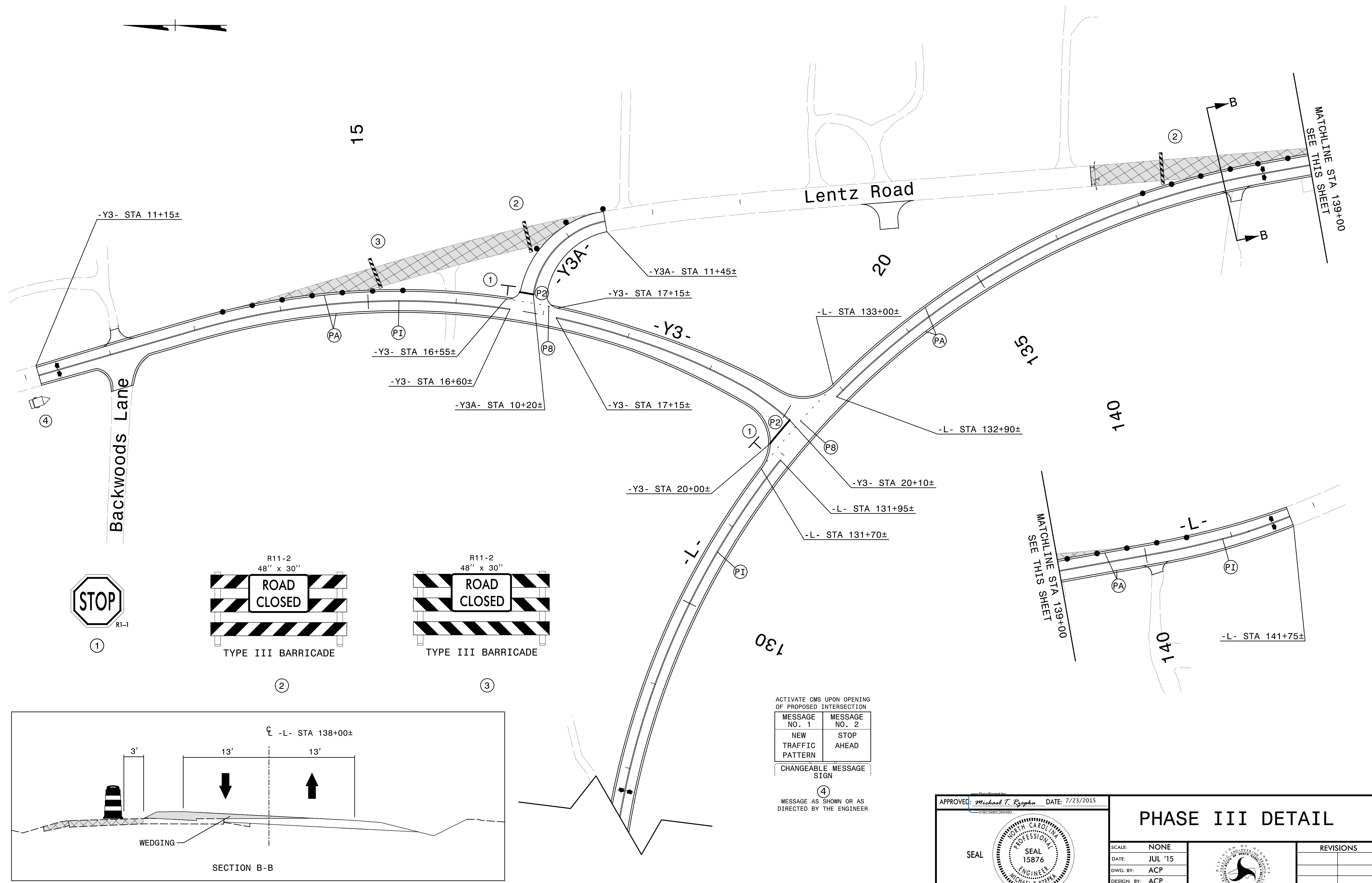
MESSAGE NO. 1	MESSAGE NO. 2
NEW TRAFFIC PATTERN	STOP AHEAD

CHANGEABLE MESSAGE SIGN

② MESSAGE AS SHOWN OR AS DIRECTED BY THE ENGINEER



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SCALE: NONE		REVISIONS
DATE: JUL '15		
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ACTIVATE CMS UPON OPENING OF PROPOSED INTERSECTION


MESSAGE NO. 1	MESSAGE NO. 2
NEW TRAFFIC PATTERN	STOP AHEAD

CHANGEABLE MESSAGE SIGN

④ MESSAGE AS SHOWN OR AS DIRECTED BY THE ENGINEER

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SEAL



PHASE III DETAIL

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