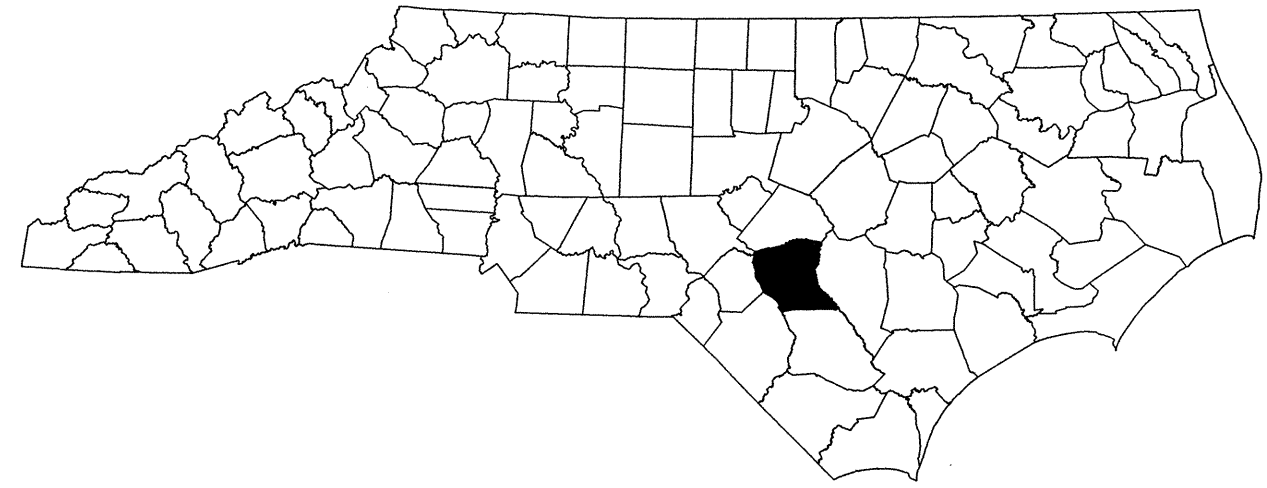


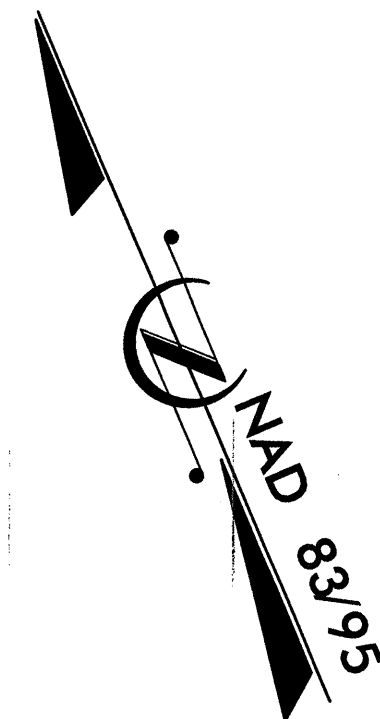
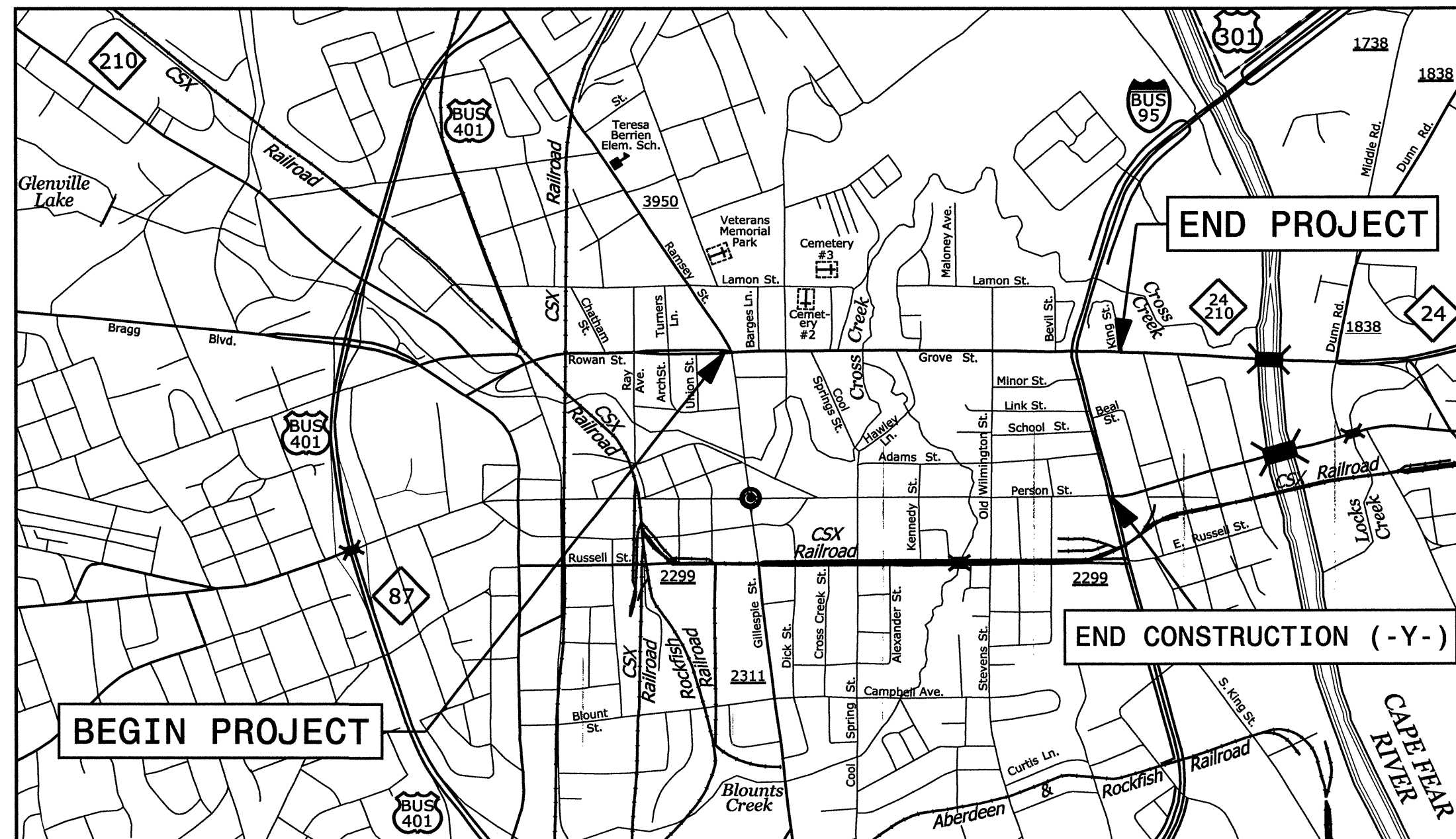
STATE OF NORTH CAROLINA  
DIVISION OF HIGHWAYS

**TRANSPORTATION MANAGEMENT PLAN**

**CUMBERLAND COUNTY**



**LOCATION: NC 24/210 (GROVE ST.) AND US 301/BUS 95 (EASTERN BLVD.)**



**INDEX OF SHEETS**

SHEET NO.	TITLE
TMP-1	TITLE SHEET AND INDEX OF SHEETS
TMP-1A	LIST OF APPLICABLE ROADWAY STANDARD DRAWINGS, LEGEND, AND TEMPORARY PAVEMENT MARKINGS
TMP-1B AND TMP-1C	PROJECT NOTES
TMP-2	DETAIL 1 - LEFT/RIGHT TURN LANE DETAIL
TMP-2A	DETAIL 2 - NC 24 / NC 210 ALTERNATE ROUTE
TMP-3 AND TMP-3A	PHASING
TMP-4	PROJECT AREA OVERVIEW
TMP-5 THRU TMP-7	AREA 1 - PHASE 1 (STEPS 2-4)
TMP-8 AND TMP-9	AREA 1 - PHASE 2 (STEPS 1-2)
TMP-10 AND TMP-11	AREA 2 - PHASE 1 (STEPS 2-3)
TMP-12	AREA 2 - PHASE 2
TMP-13 AND TMP-14	AREA 1 - PHASE 3 (DOUBLE LANE CLOSURES)
TMP-15 AND TMP-16	AREA 2 - PHASE 3 (DOUBLE LANE CLOSURES)
SD-01	SPECIAL SIGN DESIGNS

SHEET NO.

TMP-1

**W-5335**

PLAN PREPARED BY:

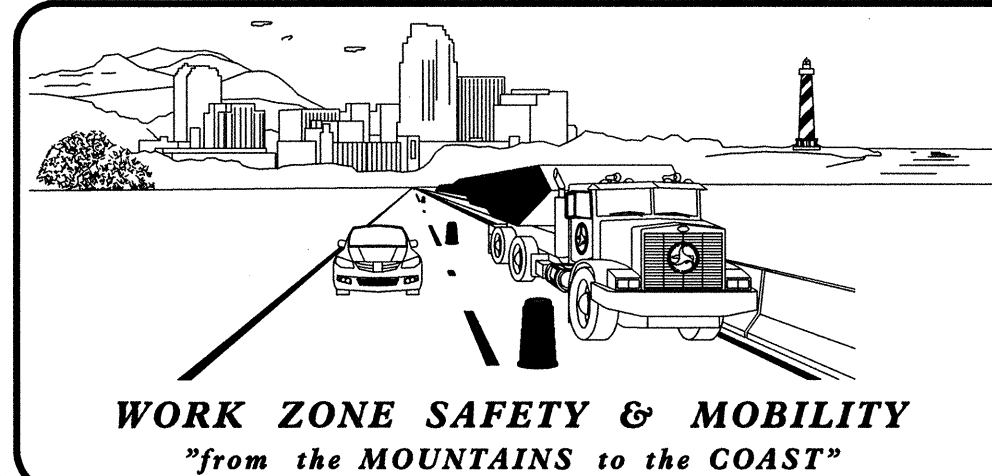
**HDR** HDR Engineering, Inc. of the Carolinas  
3733 National Drive, Suite 207 Raleigh, N.C. 27612  
N.C.B.E.L.S. License Number: F-0116

MICHELLE WARD, P.E. *TRAFFIC CONTROL PROJECT ENGINEER*

R. ERSKINE BROOKS, P.E. *TRAFFIC CONTROL PROJECT DESIGN ENGINEER*

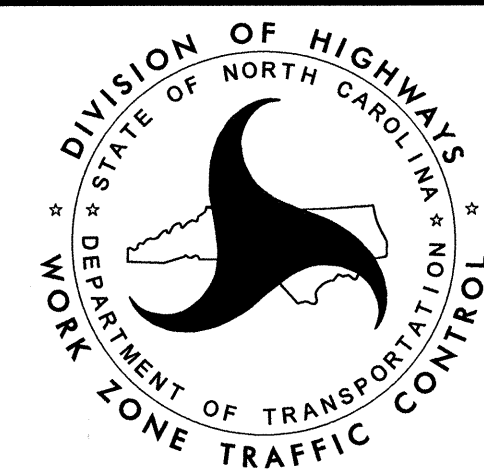
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DATE: \_\_\_\_\_

SEAL



**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*  
J. S. KITE, P.E. *TRAFFIC CONTROL PROJECT ENGINEER*  
DON PARKER *TRAFFIC CONTROL PROJECT DESIGN ENGINEER*  
\_\_\_\_\_ *TRAFFIC CONTROL DESIGN ENGINEER*



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**TIP PROJECT:**








# 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:










<u>STD. NO.</u>	<u>TITLE</u>
1101.01	WORK ZONE WARNING SIGNS
1101.02	TEMPORARY LANE CLOSURES
1101.04	TEMPORARY SHOULDER CLOSURES
1101.11	TRAFFIC CONTROL DESIGN TABLES
1110.01	STATIONARY WORK ZONE SIGNS
1110.02	PORTABLE WORK ZONE SIGNS
1115.01	FLASHING ARROW BOARDS
1130.01	DRUMS
1135.01	CONES
1145.01	BARRICADES
1150.01	FLAGGING DEVICES
1165.01	WORK VEHICLE LIGHTING SYSTEMS AND TMA DELINEATION
1180.01	SKINNY-DRUM
1205.01	PAVEMENT MARKINGS - LINE TYPES AND OFFSETS
1205.02	PAVEMENT MARKINGS - TWO LANE AND MULTILANE ROADWAYS
1205.04	PAVEMENT MARKINGS - INTERSECTIONS
1205.05	PAVEMENT MARKINGS - TURN LANES
1205.06	PAVEMENT MARKINGS - LANE DROPS
1205.07	PAVEMENT MARKINGS - PEDESTRIAN CROSSWALKS
1205.08	PAVEMENT MARKINGS - SYMBOLS AND WORD MESSAGES
1205.09	PAVEMENT MARKINGS - PAINTED ISLANDS
1250.01	RAISED PAVEMENT MARKERS - INSTALLATION SPACING
1251.01	RAISED PAVEMENT MARKERS - (PERMANENT AND TEMPORARY)

# LEGEND









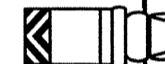


### GENERAL

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




### TEMPORARY PAVEMENT MARKING

-  4" WHITE 2'-6"/SP MINI-SKIP (PAINT)
-  4" WHITE EDGE LINE (PAINT)
-  4" YELLOW EDGE LINE (PAINT)
-  4" WHITE 10' SKIP (PAINT)
-  4" WHITE 2'-13"/SP MINI-SKIP (PAINT)
-  4" WHITE LANE LINE (PAINT)
-  LEFT TURN ARROW (PAINT)
-  STRAIGHT ARROW (PAINT)
-  STRAIGHT-RIGHT COMBO. (PAINT)

### 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


### SIGNALS

-  EXISTING
-  PROPOSED
-  TEMPORARY

### PAVEMENT MARKINGS

-  EXISTING LINES
-  TEMPORARY LINES

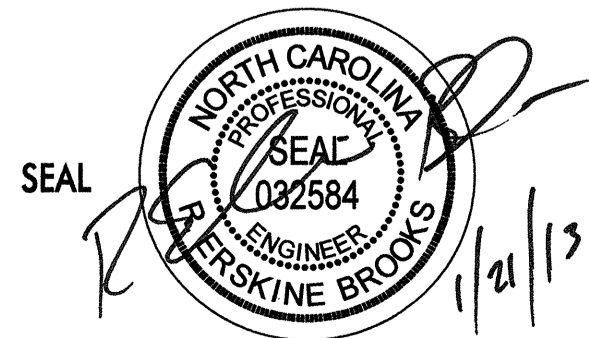
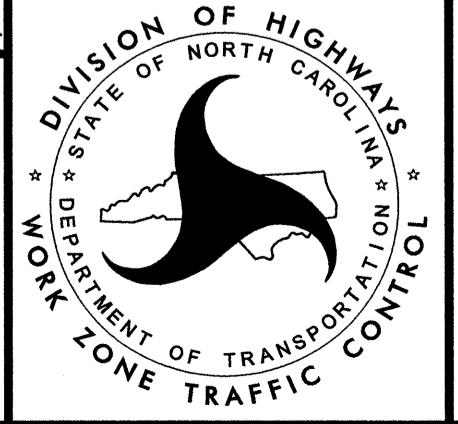
### PAVEMENT MARKERS

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

### PAVEMENT MARKING SYMBOLS

-  PAVEMENT MARKING SYMBOLS

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# PROJECT NOTES

## 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
1. NC 24/210 (GROVE ST/-L-) (SINGLE INSIDE OR OUTSIDE LANE CLOSURE IN EITHER DIRECTION FOR ANY WORK ADJACENT TO OUTSIDE TRAVEL LANES AND FOR CONSTRUCTION OF MONOLITHIC ISLANDS AT SINGLE LEFT TURN LANES ONLY)	MONDAY-FRIDAY: 6:00A.M.-9:00P.M.
2. NC 24/210 (GROVE ST/-L-) (SINGLE INSIDE THRU LANE CLOSURE IN EITHER DIRECTION, FOR 1'-6" C&G CONSTRUCTION ONLY)	NO RESTRICTIONS
3. NC 24/210 (GROVE ST/-L-) (CLOSE TWO LANES IN EITHER DIRECTION)	MONDAY-FRIDAY: 6:00A.M.-9:00P.M. SATURDAY-SUNDAY: 9:00A.M.-9:00P.M.
4. BUS 95/US 301 (EASTERN BLVD/-Y-) (CLOSE TWO LANES IN SB DIRECTION)	MONDAY-FRIDAY: 6:00A.M.-9:00P.M. SATURDAY-SUNDAY: 9:00A.M.-9:00P.M.
5. ALL ROADS (ANY LANE CLOSURE FOR FINAL PAVING OPERATIONS)	MONDAY-FRIDAY: 6:00A.M.-9:00P.M. SATURDAY-SUNDAY: 9:00A.M.-9:00P.M.

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

ROAD NAME	HOLIDAY
NC 24/210 (GROVE ST/-L-) BUS 95/US 301 (EASTERN BLVD/-Y-) RAMSEY STREET GREEN STREET	1. FOR ANY UNEXPECTED OCCURRENCE THAT CREATES UNUSUALLY HIGH TRAFFIC VOLUMES, AS DIRECTED BY THE ENGINEER. 2. FOR NEW YEAR'S, BETWEEN THE HOURS OF 6:00 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. 3. FOR EASTER, BETWEEN THE HOURS OF 6:00 A.M. THURSDAY AND 9:00 P.M. MONDAY. 4. FOR MEMORIAL DAY, BETWEEN THE HOURS OF 6:00 A.M. FRIDAY TO 9:00 P.M. TUESDAY. 5. 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.
- 6. FOR LABOR DAY, BETWEEN THE HOURS OF 6:00 A.M. FRIDAY TO 9:00 P.M. TUESDAY.
- 7. FOR THANKSGIVING DAY, BETWEEN THE HOURS OF 6:00 A.M. TUESDAY TO 9:00 P.M. MONDAY.
- 8. 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.
- 9. FOR THE DOGWOOD FESTIVAL BETWEEN THE HOURS OF 6:00 A.M. THE FRIDAY OF THE DOGWOOD FESTIVAL WEEKEND AND 9:00 P.M. THE FOLLOWING SUNDAY OF THE DOGWOOD FESTIVAL WEEKEND.
- 10. FOR THE INTERNATIONAL FOLK FESTIVAL, BETWEEN THE HOURS OF 6:00 A.M. THE FRIDAY OF THE INTERNATIONAL FOLK FESTIVAL WEEKEND AND 9:00 P.M. THE FOLLOWING SUNDAY OF THE INTERNATIONAL FOLK FESTIVAL WEEKEND.

C) DO NOT STOP TRAFFIC AS FOLLOWS:

ROAD NAME	DAY AND TIME RESTRICTIONS	DURATION AND OPERATION
NC 24/210 (GROVE ST/-L-) BUS 95/US 301 (EASTERN BLVD/-Y-) RAMSEY STREET GREEN STREET	MONDAY-SUNDAY: 5:30AM-10:00PM	15 MINUTES MAX. FOR TRAFFIC OPERATIONS

D) DO NOT CONDUCT ANY HAULING OPERATIONS AGAINST THE FLOW OF TRAFFIC OF AN OPEN TRAVELWAY UNLESS THE HAULING OPERATION IS PROTECTED BY BARRIER OR GUARDRAIL OR AS DIRECTED BY THE ENGINEER.

### LANE CLOSURE REQUIREMENTS

- E) REMOVE LANE CLOSURE DEVICES FROM THE LANE WHEN WORK IS NOT BEING PERFORMED BEHIND THE LANE CLOSURE OR WHEN A LANE CLOSURE IS NO LONGER NEEDED OR AS DIRECTED BY THE ENGINEER.
- F) WHEN PERSONNEL AND/OR EQUIPMENT ARE WORKING WITHIN 15 FT OF AN OPEN TRAVEL LANE, CLOSE THE NEAREST OPEN SHOULDER USING ROADWAY STANDARD DRAWING NO. 1101.04 UNLESS THE WORK AREA IS PROTECTED BY BARRIER OR GUARDRAIL OR A LANE CLOSURE IS INSTALLED.
- G) WHEN PERSONNEL AND/OR EQUIPMENT ARE WORKING ON THE SHOULDER ADJACENT TO AN UNDIVIDED FACILITY AND WITHIN 5 FT OF AN OPEN TRAVEL LANE, CLOSE THE NEAREST OPEN TRAVEL LANE USING ROADWAY STANDARD DRAWING NO. 1101.02 UNLESS THE WORK AREA IS PROTECTED BY BARRIER OR GUARDRAIL.  
  
WHEN PERSONNEL AND/OR EQUIPMENT ARE WORKING ON THE SHOULDER ADJACENT TO A DIVIDED FACILITY AND WITHIN 10 FT OF AN OPEN TRAVEL LANE, CLOSE THE NEAREST OPEN TRAVEL LANE USING ROADWAY STANDARD DRAWING NO. 1101.02 UNLESS THE WORK AREA IS PROTECTED BY BARRIER OR GUARDRAIL.
- H) WHEN PERSONNEL AND/OR EQUIPMENT ARE WORKING WITHIN A LANE OF TRAVEL OF AN UNDIVIDED OR DIVIDED FACILITY, CLOSE THE LANE ACCORDING TO THE TRAFFIC CONTROL PLANS, ROADWAY STANDARD DRAWINGS OR AS DIRECTED BY THE ENGINEER. CONDUCT THE WORK SO THAT ALL PERSONNEL AND/OR EQUIPMENT REMAINS WITHIN THE CLOSED TRAVEL LANE.
- I) DO NOT WORK SIMULTANEOUSLY WITHIN 15 FT ON BOTH SIDES OF AN OPEN TRAVELWAY RAMP OR LOOP WITHIN THE SAME LOCATION UNLESS PROTECTED WITH GUARDRAIL OR BARRIER.

- J) DO NOT INSTALL MORE THAN 1 MILE OF LANE CLOSURE ON NC 24/210 (GROVE ST/-L-), MEASURED FROM THE BEGINNING OF THE MERGE TAPER TO THE END OF THE LANE CLOSURE.
- K) DO NOT INSTALL MORE THAN ONE LANE CLOSURE IN ANY ONE DIRECTION ON NC 24/210 (GROVE ST/-L-).

### 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' 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.

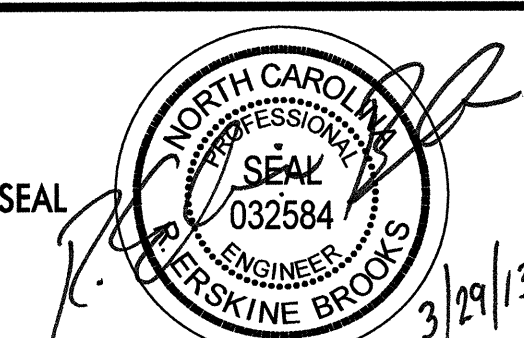
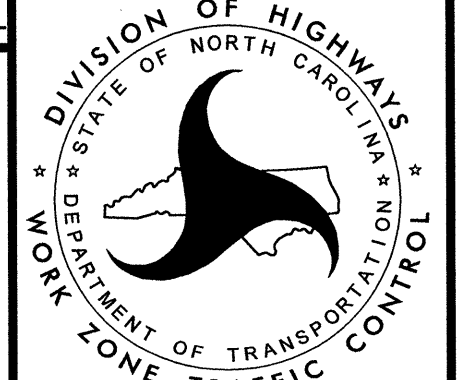
### SIGNING

- 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 FOR THE ALTERNATE DETOUR ROUTE AS SHOWN IN THE TRAFFIC CONTROL PLANS.
- Q) REMOVE ALL SIGNS REQUIRED FOR THE ALTERNATE DETOUR ROUTE ONCE CONSTRUCTION IS COMPLETE.
- 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) 200' IN ADVANCE OF THE UNEVEN AREA, OR AS DIRECTED BY THE ENGINEER.

### TRAFFIC CONTROL DEVICES

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

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# PROJECT NOTES

## GENERAL NOTES

### PAVEMENT MARKINGS AND MARKERS

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

ROAD NAME	MARKING	MARKER
ALL ROADS	PAINT	TEMPORARY RAISED

- X) 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.
- Y) TIE PROPOSED PAVEMENT MARKING LINES TO EXISTING PAVEMENT MARKING LINES.
- Z) REMOVE/REPLACE ANY CONFLICTING/DAMAGED PAVEMENT MARKINGS AND MARKERS BY THE END OF EACH DAY'S OPERATION.
- AA) TRACE THE EXISTING AND/OR PROPOSED MONOLITHIC ISLAND LOCATIONS WITH PROPER COLOR PAVEMENT MARKINGS PRIOR TO REMOVAL AND/OR INSTALLATION. PLACE DRUMS, CONES, OR TUBULAR MARKERS TO DELINEATE ANY EXISTING AND/OR PROPOSED MONOLITHIC ISLANDS AFTER REMOVAL AND/OR BEFORE INSTALLATION.



### MISCELLANEOUS

- BB) LAW ENFORCEMENT MAY BE USED TO MAINTAIN TRAFFIC THROUGH THE WORK AREA AND/OR INTERSECTIONS, AS DIRECTED BY THE ENGINEER.
- CC) ALL CURB RAMP LOCATIONS SHALL BE DERIVED FROM STATIONING SHOWN ON PAVEMENT MARKING PLANS OR AS DIRECTED BY THE ENGINEER IN COORDINATION WITH THE SIGNING AND DELINEATION UNIT.
- DD) CONTRACTOR SHALL MAINTAIN SIDEWALK ACCESS AT ALL TIMES AS STATED IN THE PHASING. CONTRACTOR SHALL BE RESPONSIBLE TO PROVIDE TEMPORARY SIDEWALKS (CONCRETE, ASPHALT, OR OTHER SUITABLE MATERIAL AS APPROVED BY THE ENGINEER) AT ALL LOCATIONS WHERE THE OPEN PEDESTRIAN TRAVELWAY HAS BEEN REMOVED FOR CONSTRUCTION OPERATIONS (UTILITIES, DRAINAGE, ETC.).

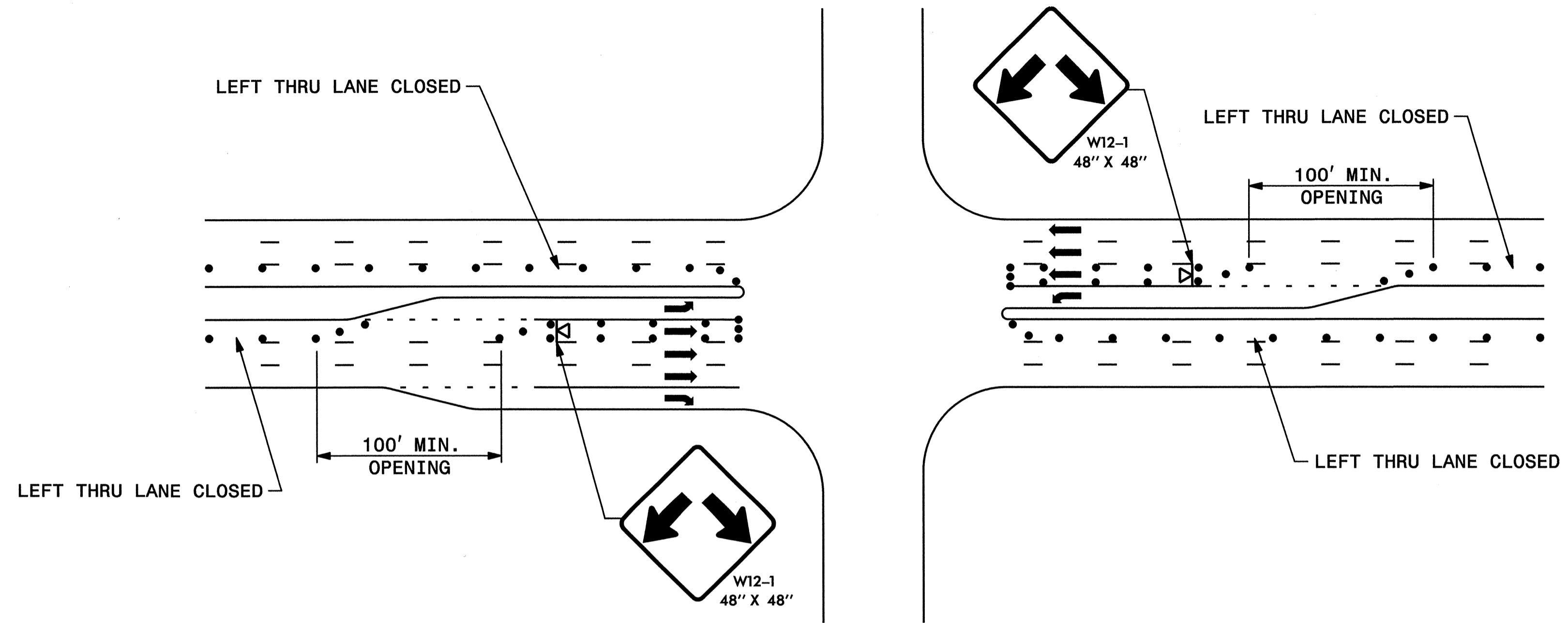
## LOCAL NOTES

1. FOR WORK ON -L- (NC 24) - ANY WORK REQUIRING THE REMOVAL OF EXISTING C&G AND/OR EXISTING ASPHALT, AND PROPOSED DRAINAGE CONSTRUCTION SHALL NOT BE COMPLETED DURING THE NIGHT LANE CLOSURE OPERATION. PROPOSED DRAINAGE CONSTRUCTION AND CONSTRUCTION REQUIRING REMOVAL OF EXISTING C&G AND/OR EXISTING ASPHALT SHALL BE COMPLETED DURING THE WEEKEND ICT.
2. FOR WORK ON -L- (NC 24) - DURING THE WEEKEND ICT, COMPLETE (AT A MINIMUM) PROPOSED C&G, EXISTING ASPHALT REPLACEMENT, AND PROPOSED DRAINAGE (IF REQUIRED). ALL OTHER WORK ADJACENT TO THE OUTSIDE TRAVEL LANE MAY BE COMPLETED DURING THE WEEKEND ICT OR DURING NIGHT LANE CLOSURE OPERATIONS.

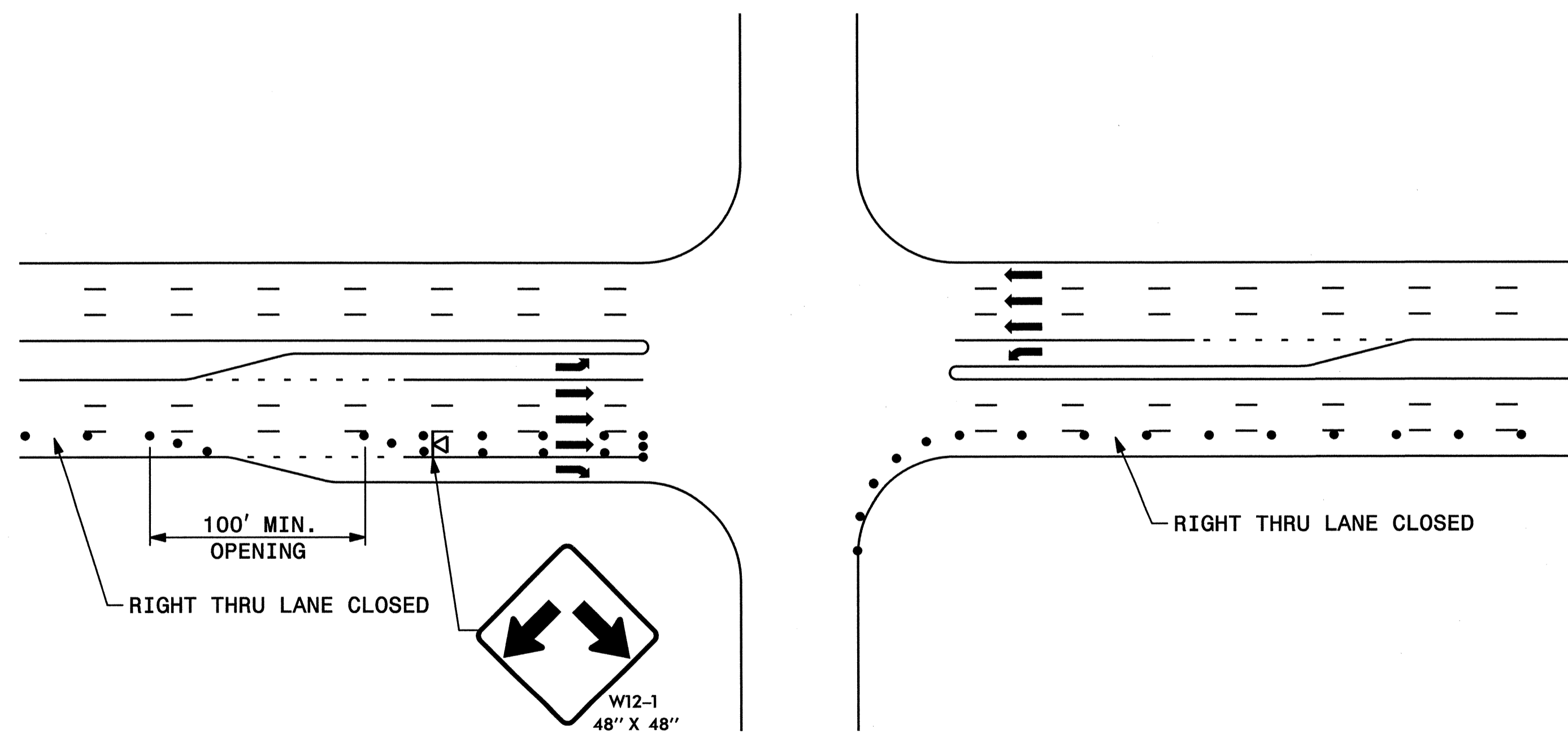
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TYPICAL FOR LEFT TURN LANE OPENING  
 DURING THRU LANE CLOSURES  
 (APPLIES TO DOUBLE OR SINGLE LANE CLOSURES)

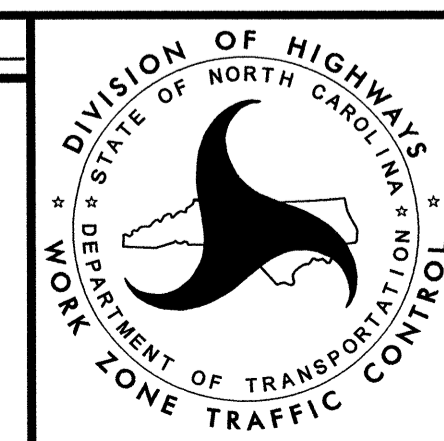
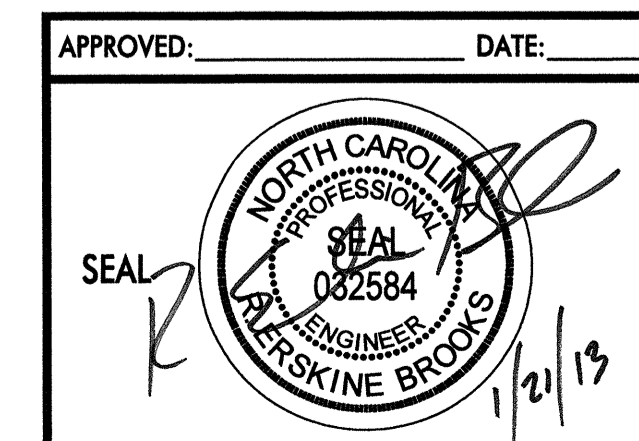


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 (APPLIES TO DOUBLE OR SINGLE LANE CLOSURES)

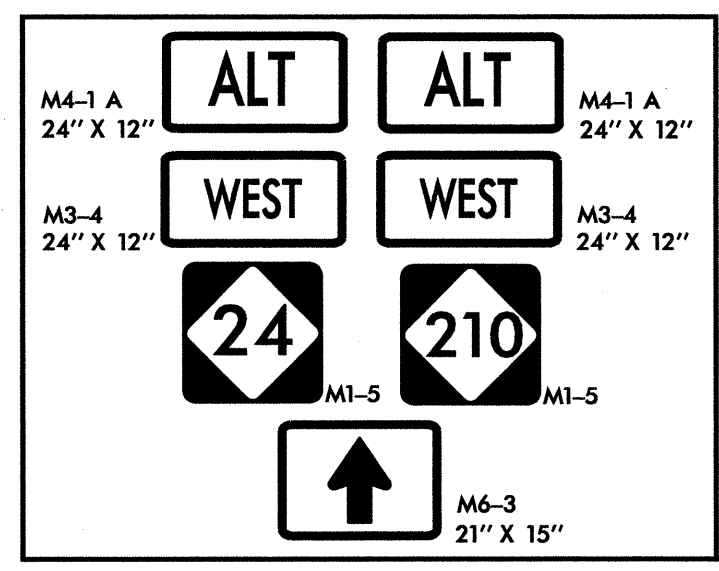
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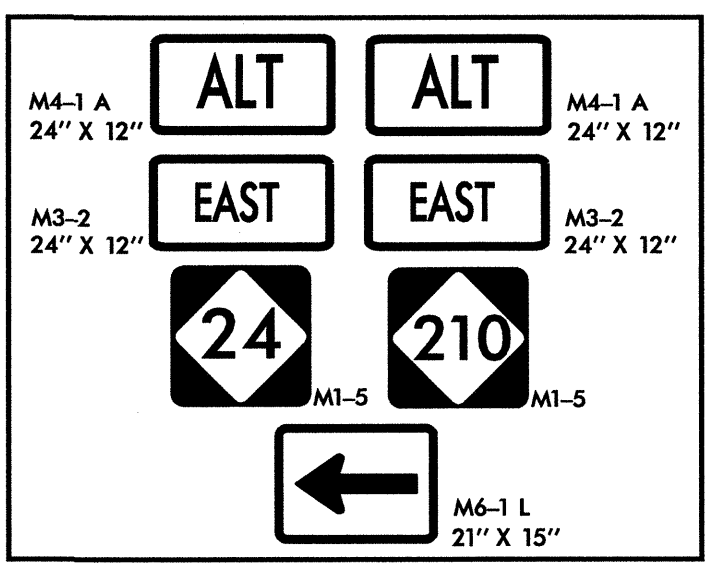
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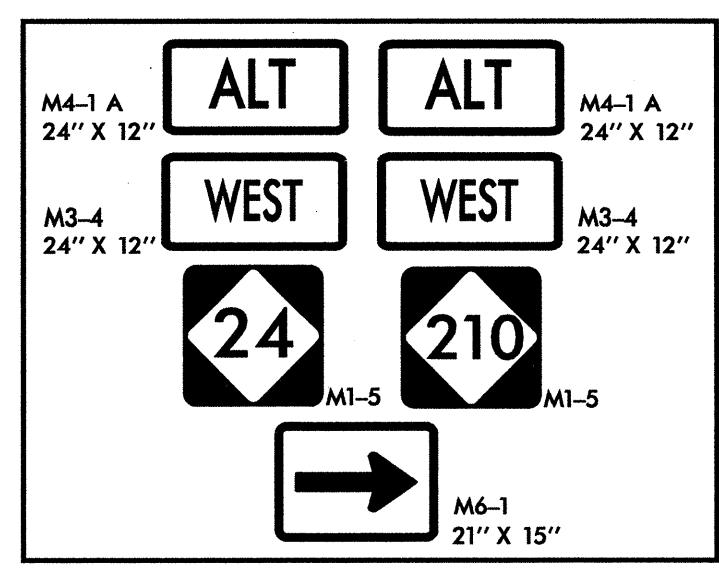
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 TURN LANE DETAIL



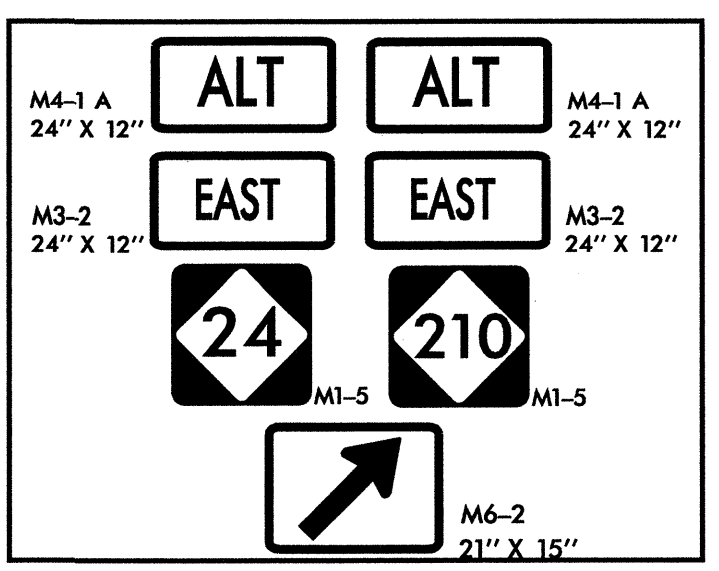
SIGN ①



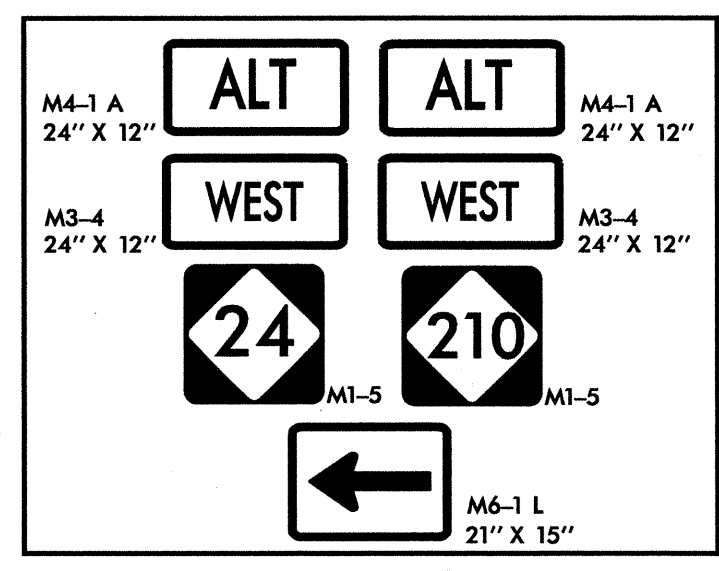
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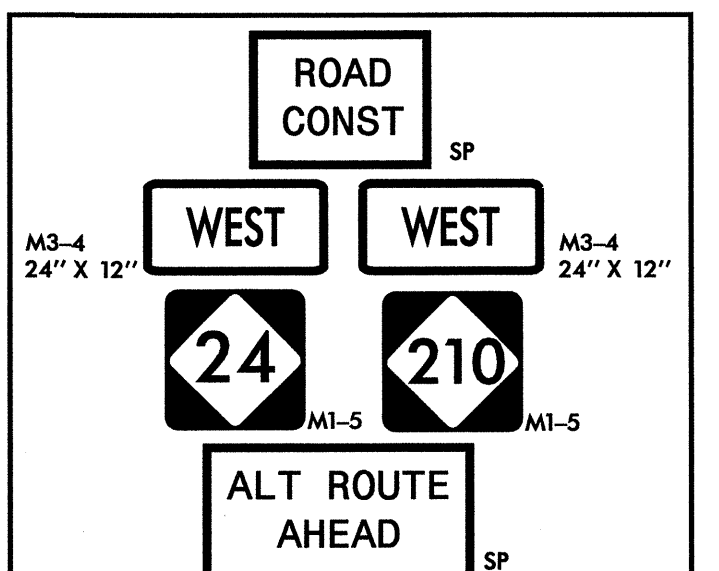
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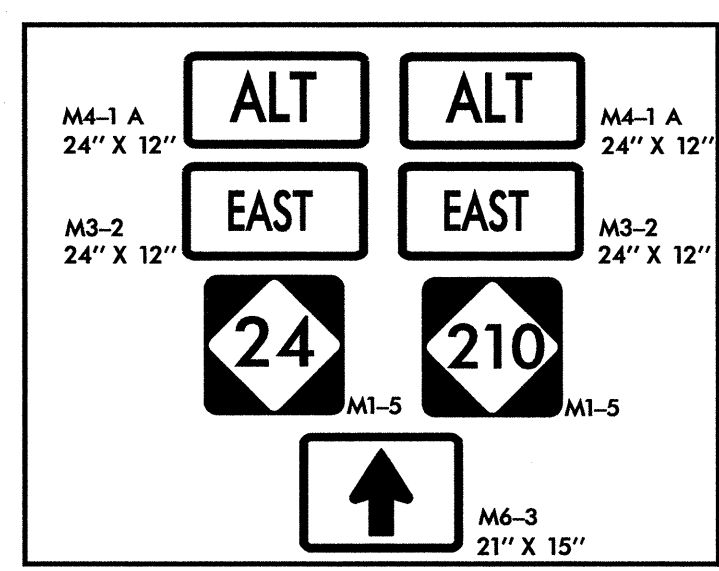
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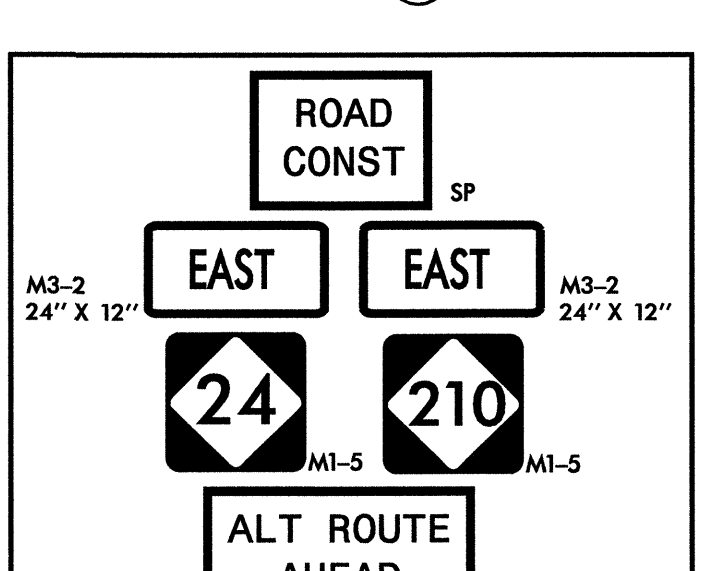
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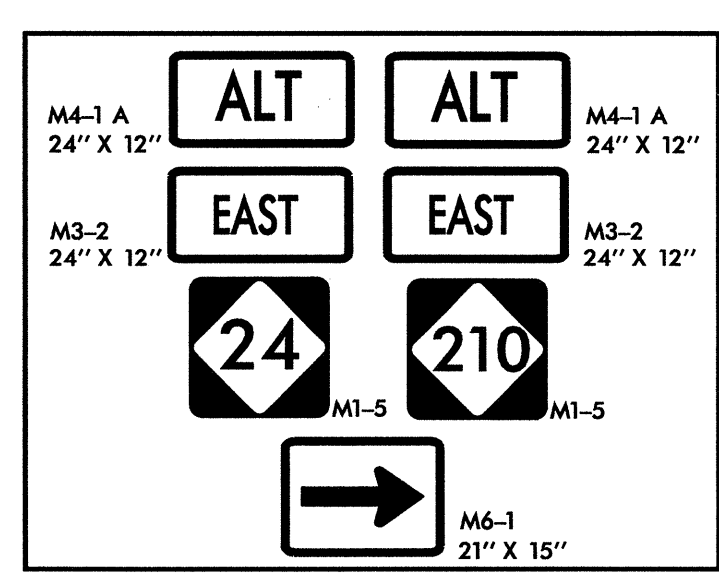
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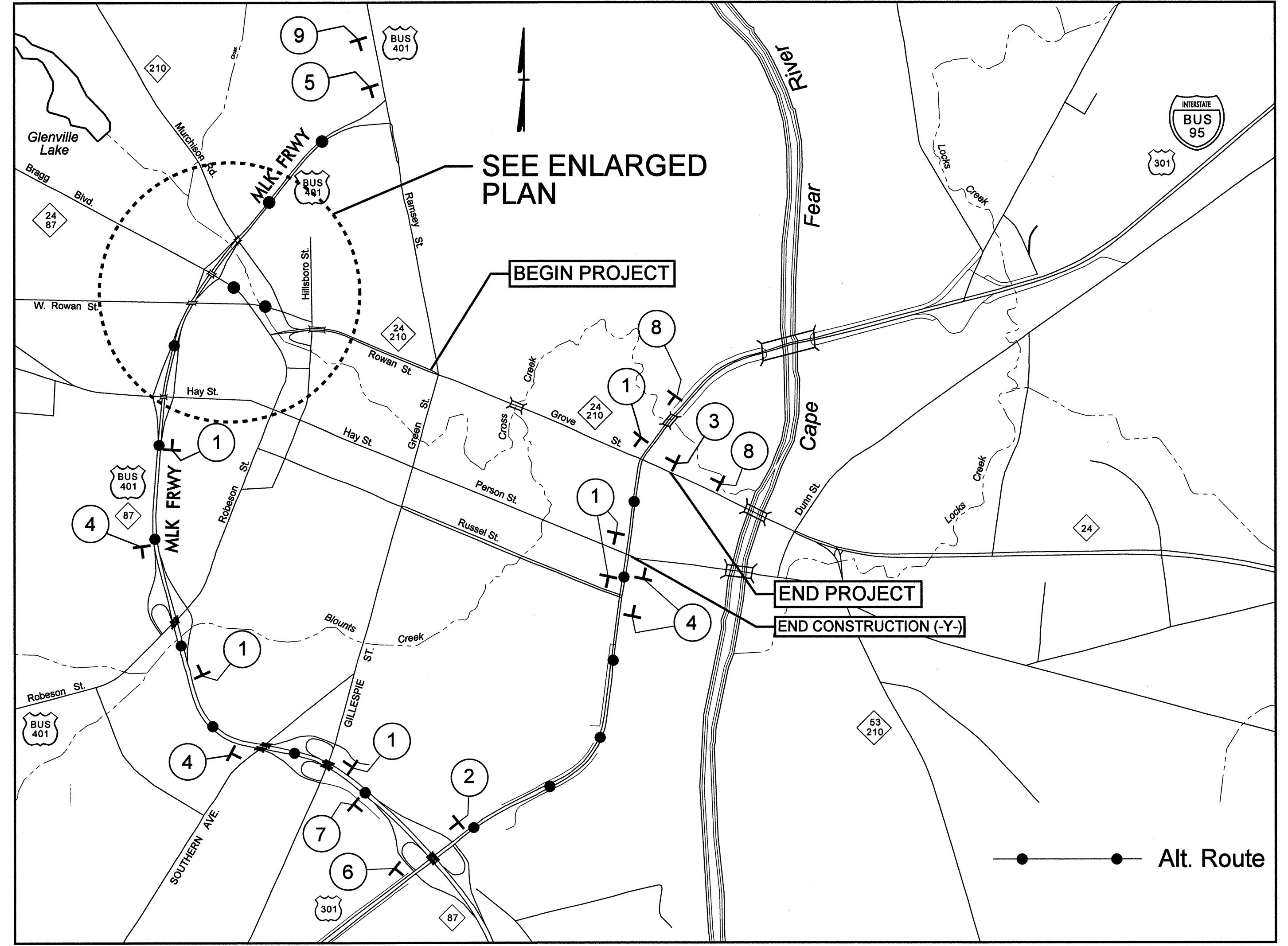
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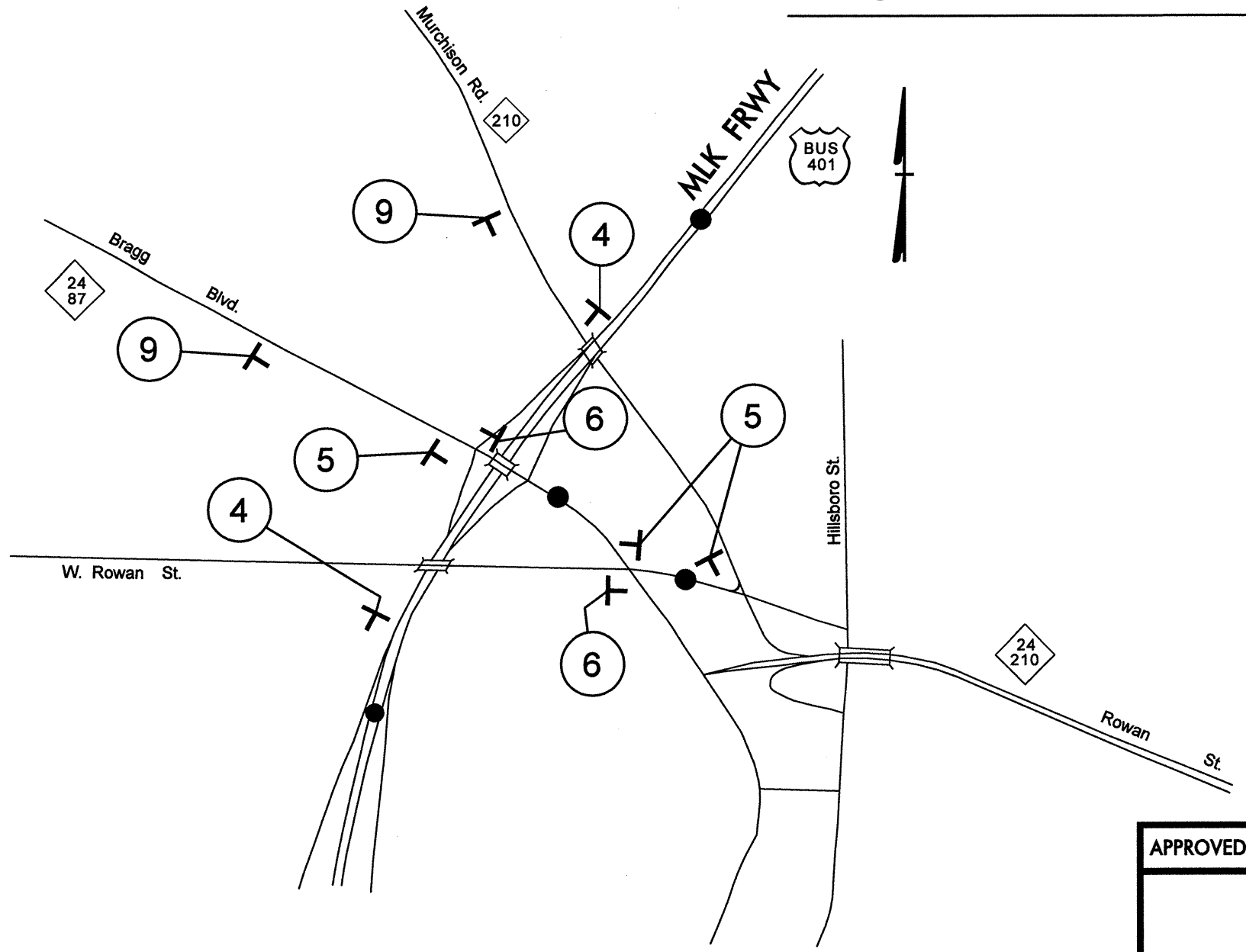
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SIGN ⑤

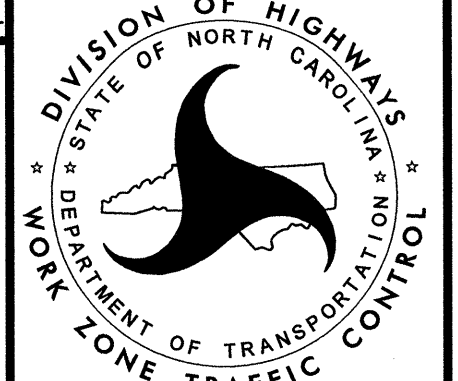



NC 24 / NC 210 ALTERNATE ROUTE PLAN



ENLARGED PLAN

- NOTES
1. ALTERNATE ROUTE IS SAME AS SHOWN FOR B-4090 PROJECT (SHEET TMP-12); REPLACE SIGNING ONCE THE B-4090 PROJECT IS COMPLETE AND SIGNING HAS BEEN REMOVED, AS DIRECTED BY THE ENGINEER.
  2. CHANGEABLE MESSAGE SIGNS MAY BE ADDED AS DIRECTED BY ENGINEER.
  3. THE "ALT" SIGN (M4-1 A) SHALL BE BLACK ON FLUORESCENT ORANGE.
  4. SEE SHEET SD-01 FOR SPECIAL SIGN DESIGNS.

APPROVED:	DATE:	 DIVISION OF HIGHWAYS STATE OF NORTH CAROLINA DEPARTMENT OF TRANSPORTATION WORK ZONE TRAFFIC CONTROL	DETAIL 2 NC 24 / NC 210 ALTERNATE ROUTE
	1/21/13		



# PHASING

**NOTES:**  
 INSTALL WORK ZONE ADVANCE WARNING SIGNS USING RSD 1101.01, SHEETS 3 OF 3 PRIOR TO BEGINNING ANY WORK. (SEE GENERAL NOTE "O" ON SHEET TMP-1B)

INSTALL NC 24 / NC 210 ALTERNATE ROUTE SIGNING AS SHOWN ON SHEET TMP-2A ONCE THE ALTERNATE ROUTE SIGNING UNDER PROJECT B-4090 HAS BEEN REMOVED.

REPLACE MARKINGS AND RETURN TRAFFIC TO THE CURRENT TRAFFIC PATTERN AT THE END OF EACH WORK PERIOD UNLESS OTHERWISE NOTED IN THE PHASING OR DIRECTED BY THE ENGINEER.

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

COMPLETE ANY PROPOSED WIDENING IN SUCH A MANNER THAT PONDING OF WATER WILL NOT OCCUR IN THE TRAVEL LANE.

PAVE PROPOSED CONSTRUCTION, UP TO BUT NOT INCLUDING THE FINAL LAYER OF SURFACE COURSE, IN ALL PHASES, UNTIL STATED TO COMPLETE FINAL PAVING OPERATIONS IN PHASE 3.

WORK WITHIN AREA 1 MUST BE COMPLETED PRIOR TO BEGINNING WORK WITHIN AREA 2 EXCLUDING MONOLITHIC ISLAND CONSTRUCTION, FINAL PAVING OPERATIONS, AND AS OTHERWISE DIRECTED IN THE PROJECT PHASING. (SEE SHEET TMP-4 FOR AREAS)

AREA 1: -L- STA. 42+20 +/- TO STA. 58+77 +/- AND -Y-

## PHASE 1

**STEP 1:**  
 USING RSD 1101.02, SHEETS 1-3 AND 8 OF 15, AND LAW ENFORCEMENT AS NECESSARY, BEGIN INSTALLATION OF SIGNAL #06-0029 AT THE -Y-/PERSON STREET INTERSECTION AND SIGNAL #06-0314 AT -L-/B STREET INTERSECTION AND ADJUST SIGNAL HEADS AS DIRECTED BY THE ENGINEER.

USING LANE CLOSURES AS SHOWN ON SHEETS TMP-5 THRU TMP-7, AS NECESSARY, MAY BEGIN CONSTRUCTION ALONG -L- (SEE LOCAL NOTE 1) AND -Y- ADJACENT TO THE OUTSIDE TRAVEL LANES.

**STEP 2:**  
 USING LANE CLOSURES AS SHOWN ON SHEETS TMP-5 AND TMP-7, COMPLETE CONSTRUCTION ADJACENT TO THE OUTSIDE TRAVEL LANES AT THE -Y- / PERSON STREET INTERSECTION.

COMPLETE THE WORK REQUIRED ON -L- (NC 24) IN AREA 1, PHASE 1, STEP 3 USING WEEKEND LANE CLOSURES FROM 9:00 PM FRIDAY TO 6:00 AM MONDAY.

REPEAT STEP 3 FOR ALL CONSTRUCTION ADJACENT TO THE OUTSIDE TRAVEL LANES UNTIL ALL WORK IS COMPLETE.

**STEP 3:**  
 USING LANE CLOSURES AS SHOWN ON SHEETS TMP-5 THRU TMP-7, AS NECESSARY, CONSTRUCT THE FOLLOWING, ADJACENT TO THE OUTSIDE TRAVEL LANES (SEE LOCAL NOTE 2):

-L- STA. 42+20 +/- TO STA. 58+77 +/-

RETURN TRAFFIC TO THE EXISTING PATTERN AT THE END OF THE WORK PERIOD.

**STEP 4:**  
 USING LANE CLOSURES AS SHOWN ON SHEET TMP-6, AS NECESSARY, CONSTRUCT DRAINAGE SYSTEM (STRUCTURES NO. 17-20 AND ASSOCIATED PIPES) ON -Y-.

**NOTE:** DRAINAGE INSTALLATION IN STEP 4 MAY BE COMPLETED BEFORE, AFTER, OR DURING CONSTRUCTION ADJACENT TO TRAVEL LANES, AS SHOWN ON SHEETS TMP-5 AND TMP-6 IN AREA 1, PHASE 1, STEPS 2 OR 3.

## PHASE 2

COMPLETE THE WORK REQUIRED IN AREA 1, PHASE 2, STEP 1 WITHIN 21 CALENDAR DAYS. (SEE INTERMEDIATE CONTRACT TIME AND LIQUIDATED DAMAGES.)

**STEP 1:**  
 USING LANE CLOSURES AS SHOWN ON SHEET TMP-8, AS NECESSARY, COMPLETE 1'-6" MEDIAN ISLAND CONSTRUCTION ON -Y- (US 301) FROM STA. 27+93 +/- TO STA. 36+14 +/-, INCLUDING ANY ASSOCIATED EXCAVATION, ASPHALT PAVING, BACKFILLING, AND INSTALLATION OF FINAL SIGNING ALONG -Y- (US 301) AS DIRECTED BY THE ENGINEER. ONCE CONSTRUCTION IS COMPLETE, REMOVE EXISTING LANE CLOSURE DEVICES AND REOPEN TO EXISTING PATTERN AT THE END OF THE 21 DAY PERIOD.

**NOTE:** PROTECT THE EXPOSED ENDS OF THE ISLAND BY MEANS OF TEMPORARY CURB TRANSITIONS, TCP DEVICES, AND/OR AS DIRECTED BY THE ENGINEER, UNTIL INSTALLATION AND COMPLETION OF THE MONOLITHIC ISLANDS IN AREA 1, PHASE 2, STEP 4.


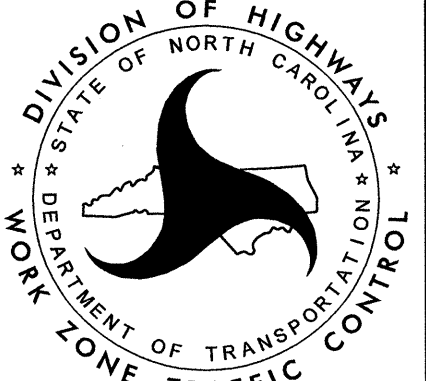
**STEP 2:**  
 USING DOUBLE LANE CLOSURE AS SHOWN ON SHEET TMP-9, CONDUCT MEDIAN ISLAND WORK ON -L- (NC 24) FROM STA. 53+30 +/- TO STA. 57+60 +/-.  
 (SEE TIME RESTRICTIONS FOR CLOSING TWO LANES IN EITHER DIRECTION).

COMPLETE THE MONOLITHIC ISLAND CONSTRUCTION LISTED BELOW IN AREA 1, PHASE 2, STEP 3 SIMULTANEOUSLY WITH THE MONOLITHIC ISLAND CONSTRUCTION IN AREA 2, PHASE 2, STEP 3.  
 UPON COMPLETION OF AREA 1, PHASE 2, STEP 3, MOVE DIRECTLY TO AREAS 1 AND 2, PHASE 3, STEP 1.

**STEP 3:**  
 COMPLETE ALL MONOLITHIC CONCRETE ISLANDS ON -Y- FROM STA. 22+40 +/- TO STA. 38+55 +/- (AS SHOWN ON SHEET TMP-8). CLOSE THE THROUGH LANE AND LEFT TURN LANE AT EACH LOCATION AND CONSTRUCT MONOLITHIC ISLAND AT THE LEFT TURN LANE.

UPON COMPLETION OF THE MONOLITHIC ISLAND FROM -Y- STA. 36+14 +/- TO STA. 38+55 +/-, AND SUFFICIENT CURING OF THE CONCRETE, PLACE SKINNY DRUMS ON TOP OF THE MONOLITHIC ISLAND AND REOPEN THE LEFT TURN LANE BY THE FOLLOWING MORNING, OR AS DIRECTED BY THE ENGINEER. THE -Y- NB INSIDE THRU LANE CLOSURE SHALL BE MAINTAINED UNTIL DIRECTED BY THE ENGINEER.

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APPROVED: _____ DATE: _____ 		PHASING
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# PHASING

**AREA 2: -L- STA. 10+00 +/- TO STA. 42+20 +/-**

## PHASE 1

**STEP 1:**  
 USING RSD 1101.02, SHEETS 1-3 AND 8 OF 15, AND LAW ENFORCEMENT AS NECESSARY, BEGIN INSTALLATION OF SIGNAL #06-0040 AT THE -L-/RAMSEY STREET INTERSECTION AND SIGNAL #06-0218 AT -L-/ANN STREET INTERSECTION AND ADJUST SIGNAL HEADS, AS DIRECTED BY THE ENGINEER.

USING LANE CLOSURES AS SHOWN ON SHEETS TMP-5 THRU TMP-7, AS NECESSARY, MAY BEGIN CONSTRUCTION ALONG -L- ADJACENT TO THE OUTSIDE TRAVEL LANES (SEE LOCAL NOTE 1) .

COMPLETE THE WORK REQUIRED ON -L- (NC 24) IN AREA 2, PHASE 1, STEP 2 USING WEEKEND LANE CLOSURES FROM 9:00 PM FRIDAY TO 6:00 AM MONDAY.

REPEAT STEP 2 FOR ALL CONSTRUCTION ADJACENT TO THE OUTSIDE TRAVEL LANES UNTIL ALL WORK IS COMPLETE.

**STEP 2:**  
 USING LANE CLOSURES AS SHOWN ON SHEETS TMP-10 AND TMP-11, AS NECESSARY, CONSTRUCT THE FOLLOWING, ADJACENT TO THE OUTSIDE TRAVEL LANE (SEE LOCAL NOTE 2):

-L- STA 10+00 +/- TO STA. 42+20 +/-

RETURN TRAFFIC TO THE EXISTING PATTERN AT THE END OF THE WORK PERIOD.

## PHASE 2

**STEP 1:**  
 USING RSD 1101.02, SHEET 3 OF 15, AS NECESSARY, PLACE TEMPORARY MARKINGS ALONG -L- FROM STA. 8+40 +/- TO STA. 10+40 +/- AND FROM STA. 54+85 +/- TO STA. 56+85 +/- AND CLOSE LANES AS SHOWN ON SHEET TMP-12.

**STEP 2:**  
 USING LANE CLOSURES AS SHOWN ON SHEET TMP-12, AS NECESSARY, COMPLETE 1'-6" MEDIAN ISLAND CONSTRUCTION, INCLUDING ANY ASSOCIATED EXCAVATION, ASPHALT PAVING, AND BACKFILLING IN THE FOLLOWING LOCATIONS:  
 -L- STA. 21+09 +/- TO STA. 25+52 +/-  
 -L- STA. 29+51 +/- TO STA. 40+29 +/-  
 -L- STA. 45+96 +/- TO STA. 48+24 +/-

NOTE: PROTECT THE EXPOSED ENDS OF THE ISLANDS BY MEANS OF TEMPORARY CURB TRANSITIONS, TCP DEVICES, AND/OR AS DIRECTED BY THE ENGINEER, UNTIL INSTALLATION AND COMPLETION OF THE MONOLITHIC ISLANDS IN AREA 2, PHASE 2, STEP 4.

INSTALL FINAL SIGNING AS DIRECTED BY THE ENGINEER.

COMPLETE THE MONOLITHIC ISLAND CONSTRUCTION LISTED BELOW IN AREA 2, PHASE 2, STEP 3 SIMULTANEOUSLY WITH THE MONOLITHIC ISLAND CONSTRUCTION IN AREA 1, PHASE 2, STEP 3.  
 UPON COMPLETION OF AREA 2, PHASE 2, STEP 3, MOVE DIRECTLY TO AREAS 1 AND 2, PHASE 3, STEP 1.

**STEP 3:**  
 COMPLETE ALL MONOLITHIC CONCRETE ISLANDS ON -L- FROM STA. 12+81 +/- TO STA. 51+46 +/- (AS SHOWN ON SHEET TMP-12). CLOSE THE LEFT TURN LANE AT EACH LOCATION AND CONSTRUCT MONOLITHIC ISLAND AT THE LEFT TURN LANE.

UPON COMPLETION OF EACH MONOLITHIC ISLAND LOCATION AND SUFFICIENT CURING OF THE CONCRETE, PLACE SKINNY DRUMS ON TOP OF THE MONOLITHIC ISLAND AND REOPEN THE LEFT TURN LANE BY THE FOLLOWING MORNING, OR AS DIRECTED BY THE ENGINEER. THE INSIDE THRU LANE CLOSURE SHALL BE MAINTAINED UNTIL DIRECTED BY THE ENGINEER.

**AREAS 1 & 2: -L- AND -Y-**

(FOR PHASE 1 AND 2, SEE ABOVE FOR SEPARATE PHASING OF EACH AREA.)

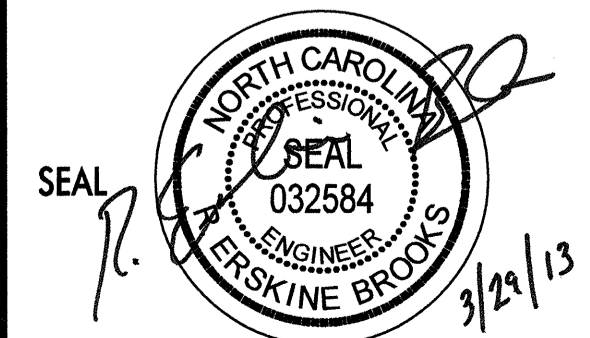

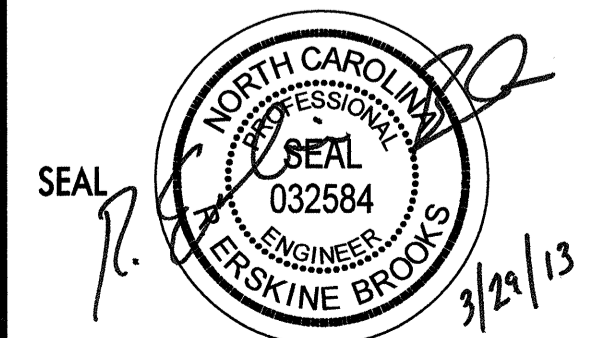
## PHASE 3

**STEP 1:**  
 USING SINGLE AND/OR DOUBLE LANE CLOSURES AS SHOWN ON SHEETS TMP-13 THRU TMP-16, AND RSD 1101.02, SHEETS 1 & 3 OF 15, AS NECESSARY, COMPLETE FINAL PAVING OPERATIONS AND PLACE TEMPORARY MARKINGS IN THE FINAL PATTERN, AS SHOWN IN THE FINAL PAVEMENT MARKING PLAN AND ACTIVATE ALL FINAL SIGNALS.

**STEP 2:**  
 FOLLOWING COMPLETION OF ALL FINAL PAVING, INSTALL FINAL PAVEMENT MARKINGS AND MARKERS USING SINGLE AND/OR DOUBLE INSIDE AND OUTSIDE LANE CLOSURES AS WERE USED DURING PAVING OPERATIONS AND OPEN ALL LANES TO TRAFFIC.

**STEP 3:**  
 REMOVE ALL REMAINING TRAFFIC CONTROL DEVICES, INCLUDING SIGNING FOR ALTERNATE DETOUR ROUTE.

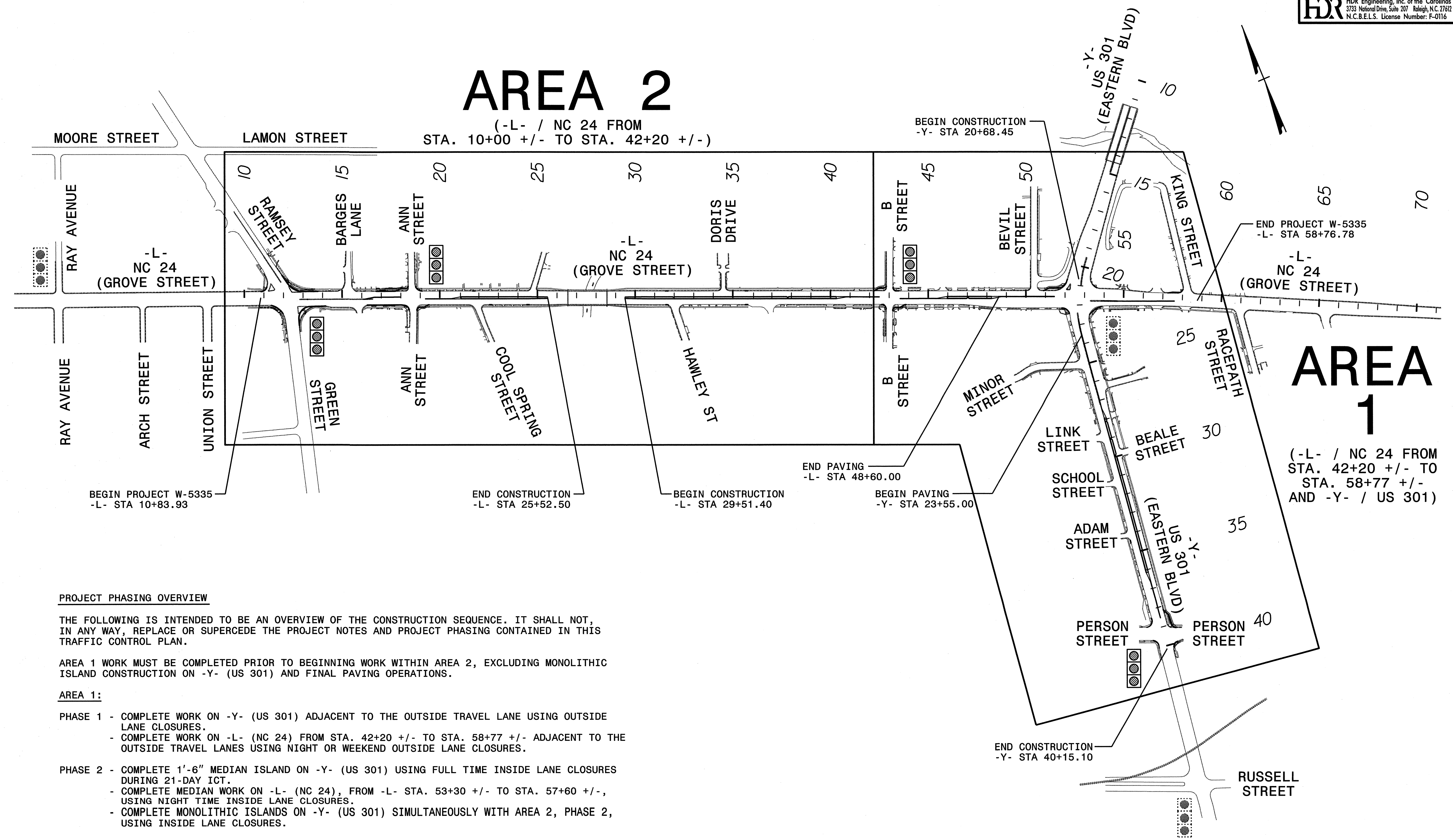
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APPROVED:	DATE:			<p style="text-align: center; font-size: 24pt; font-weight: bold;">PHASING</p>
				



# AREA 2

(-L- / NC 24 FROM STA. 10+00 +/- TO STA. 42+20 +/-)



# AREA 1

(-L- / NC 24 FROM STA. 42+20 +/- TO STA. 58+77 +/- AND -Y- / US 301)

### PROJECT PHASING OVERVIEW

THE FOLLOWING IS INTENDED TO BE AN OVERVIEW OF THE CONSTRUCTION SEQUENCE. IT SHALL NOT, IN ANY WAY, REPLACE OR SUPERCEDE THE PROJECT NOTES AND PROJECT PHASING CONTAINED IN THIS TRAFFIC CONTROL PLAN.

AREA 1 WORK MUST BE COMPLETED PRIOR TO BEGINNING WORK WITHIN AREA 2, EXCLUDING MONOLITHIC ISLAND CONSTRUCTION ON -Y- (US 301) AND FINAL PAVING OPERATIONS.

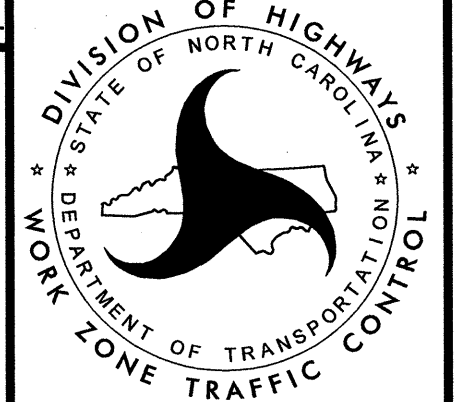
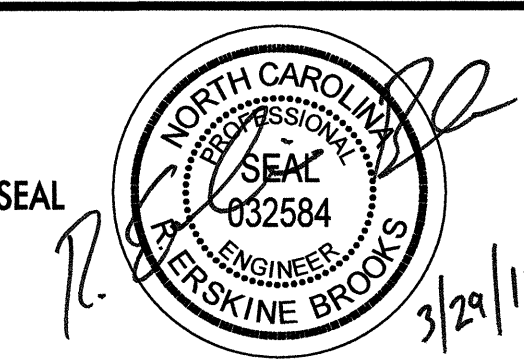
#### AREA 1:

- PHASE 1 - COMPLETE WORK ON -Y- (US 301) ADJACENT TO THE OUTSIDE TRAVEL LANE USING OUTSIDE LANE CLOSURES.
- COMPLETE WORK ON -L- (NC 24) FROM STA. 42+20 +/- TO STA. 58+77 +/- ADJACENT TO THE OUTSIDE TRAVEL LANES USING NIGHT OR WEEKEND OUTSIDE LANE CLOSURES.
- PHASE 2 - COMPLETE 1'-6" MEDIAN ISLAND ON -Y- (US 301) USING FULL TIME INSIDE LANE CLOSURES DURING 21-DAY ICT.
- COMPLETE MEDIAN WORK ON -L- (NC 24), FROM -L- STA. 53+30 +/- TO STA. 57+60 +/-, USING NIGHT TIME INSIDE LANE CLOSURES.
- COMPLETE MONOLITHIC ISLANDS ON -Y- (US 301) SIMULTANEOUSLY WITH AREA 2, PHASE 2, USING INSIDE LANE CLOSURES.

#### AREA 2:

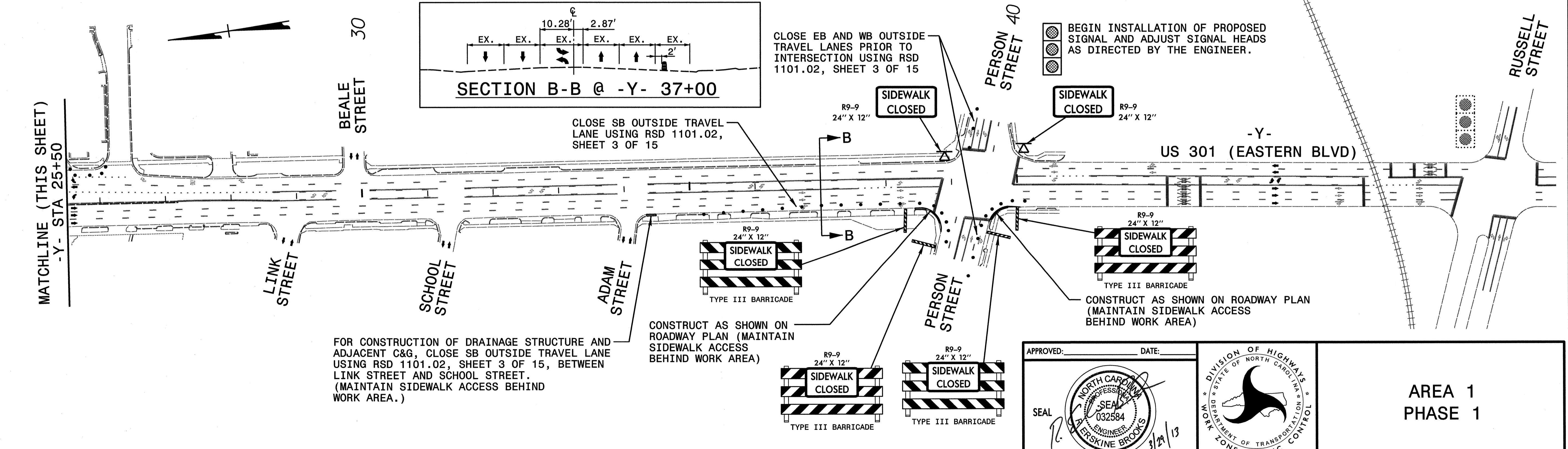
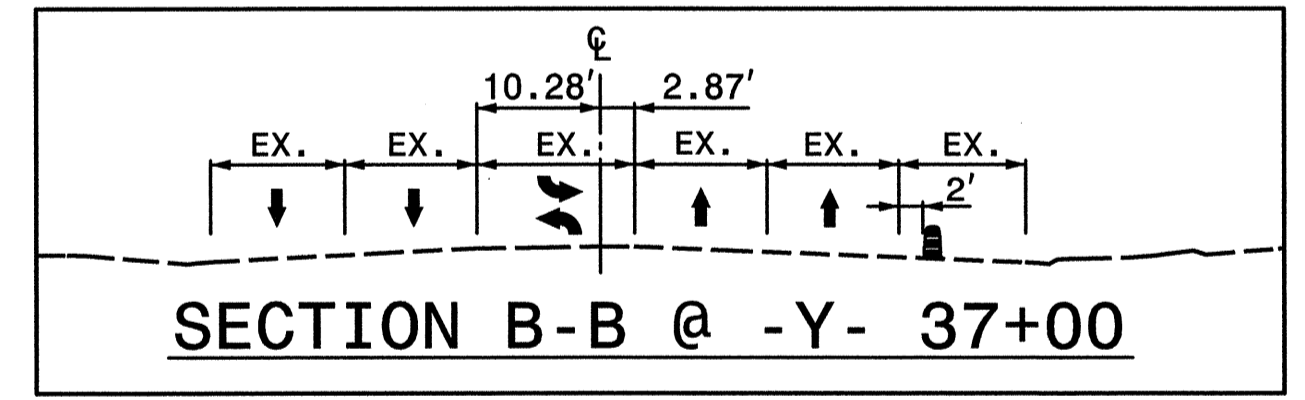
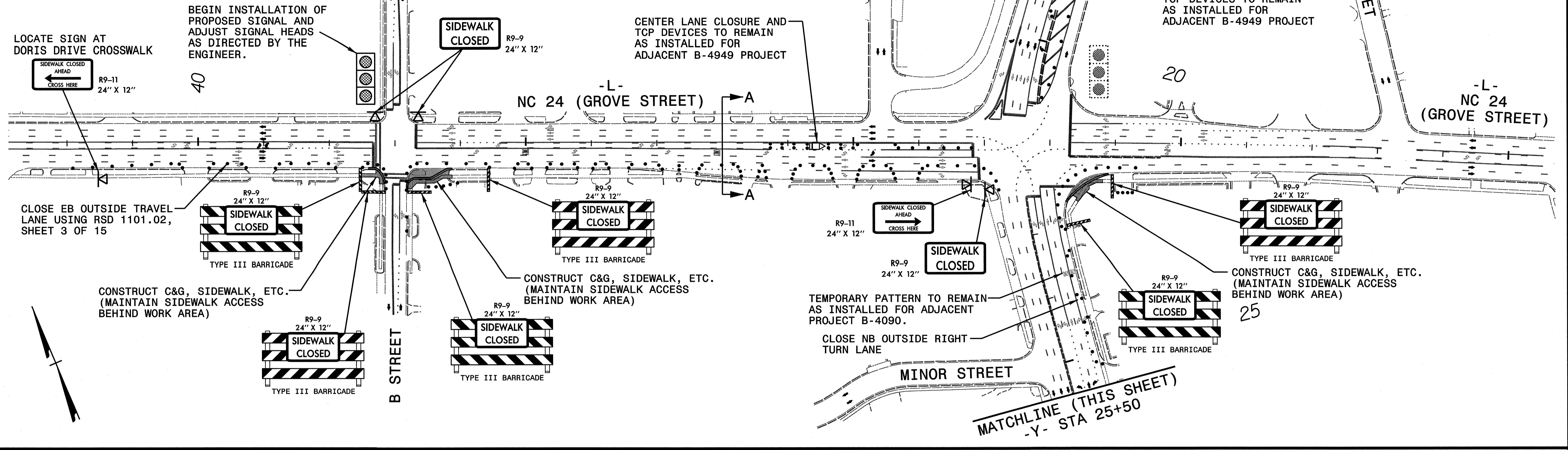
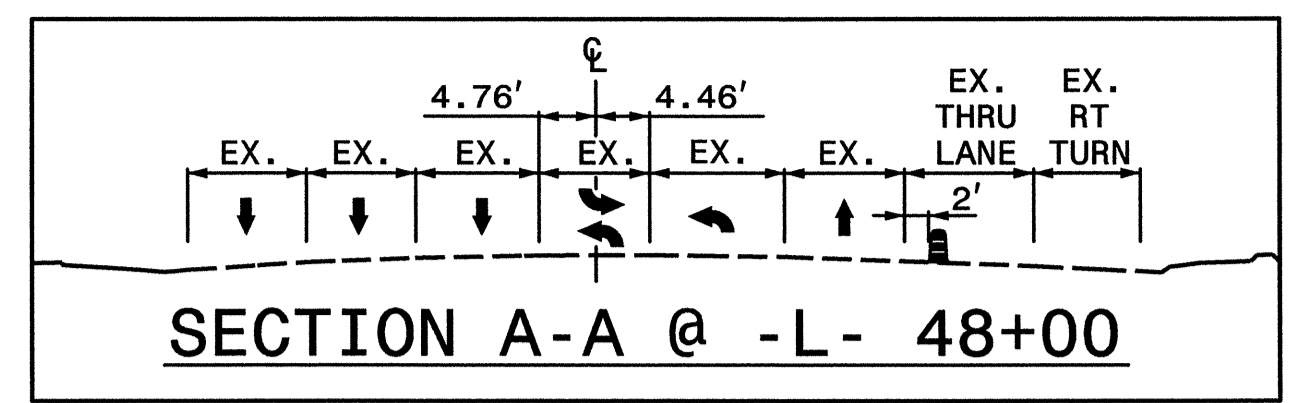
- PHASE 1 - COMPLETE WORK ON -L- (NC 24) FROM STA. 10+00 +/- TO STA. 42+20 +/- ADJACENT TO THE OUTSIDE TRAVEL LANES USING NIGHT OR WEEKEND OUTSIDE LANE CLOSURES.
- PHASE 2 - COMPLETE MEDIAN WORK (1'-6" ISLAND AND MONOLITHIC ISLANDS) ON -L- (NC 24) USING FULL TIME INSIDE LANE CLOSURES, INCLUDING SECTION ON -L- (NC 24) FROM B STREET TO -Y- (US 301).

UPON COMPLETION OF ALL WORK ADJACENT TO OUTSIDE TRAVEL LANES AND ALL MEDIAN CONSTRUCTION, COMPLETE FINAL PAVING OPERATIONS AND FINAL PAVEMENT MARKING AND MARKER INSTALLATION (ALL LOCATIONS) USING SINGLE AND/OR DOUBLE INSIDE AND OUTSIDE LANE CLOSURES.

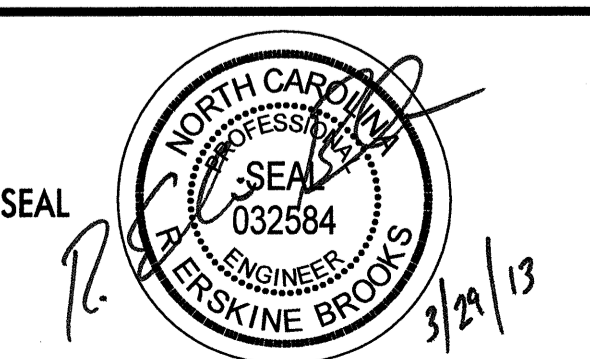
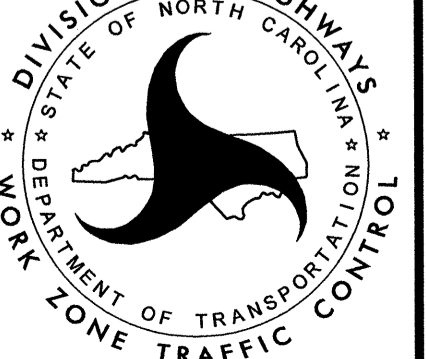
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	3/29/13		

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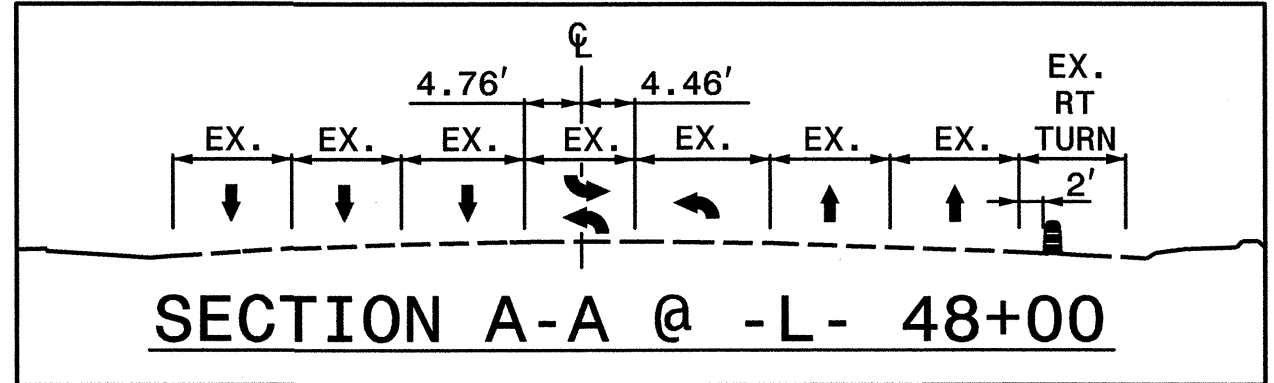
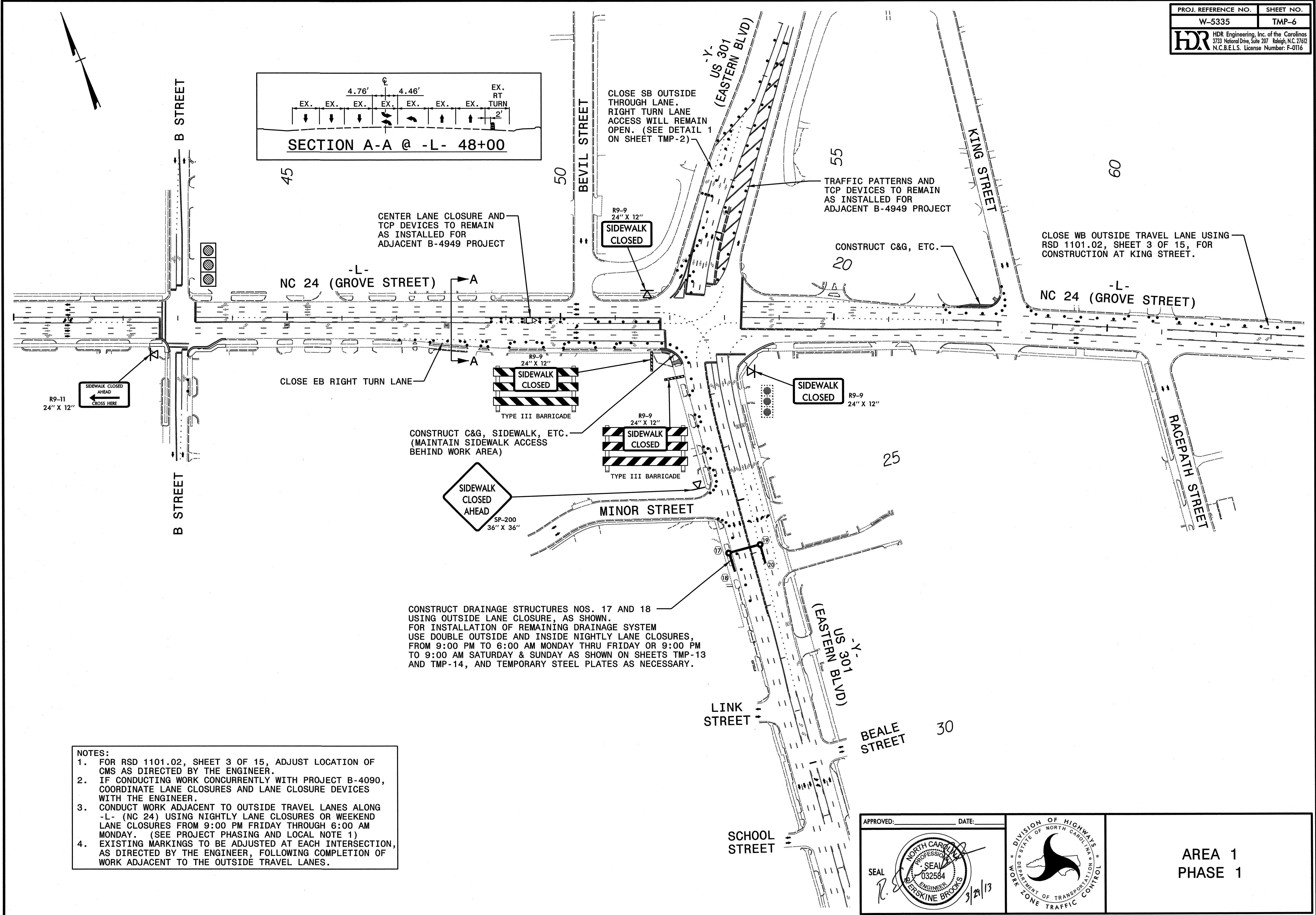
- NOTES:
- FOR RSD 1101.02, SHEET 3 OF 15, ADJUST LOCATION OF CMS AS DIRECTED BY THE ENGINEER.
  - IF CONDUCTING WORK CONCURRENTLY WITH PROJECT B-4090, COORDINATE LANE CLOSURES AND LANE CLOSURE DEVICES WITH THE ENGINEER.
  - CONDUCT WORK ADJACENT TO OUTSIDE TRAVEL LANES ALONG -L- (NC 24) USING NIGHTLY LANE CLOSURES OR WEEKEND LANE CLOSURES FROM 9:00 PM FRIDAY THROUGH 6:00 AM MONDAY. (SEE PROJECT PHASING AND LOCAL NOTE 1)
  - EXISTING MARKINGS TO BE ADJUSTED AT EACH INTERSECTION AS DIRECTED BY THE ENGINEER FOLLOWING COMPLETION OF WORK ADJACENT TO THE OUTSIDE TRAVEL LANES.



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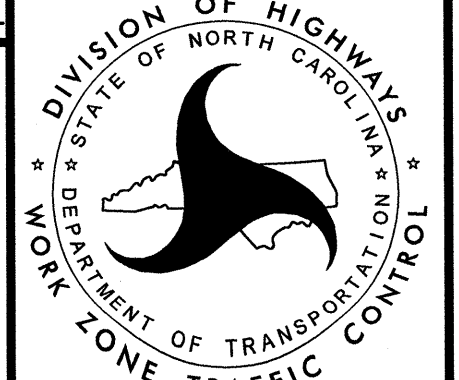
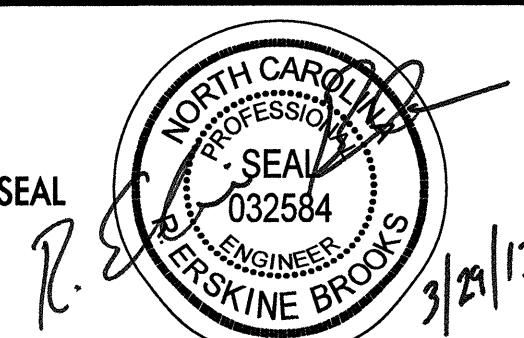
APPROVED: _____ DATE: _____			AREA 1 PHASE 1
SEAL ERSKINE BROOKS 3/29/13			

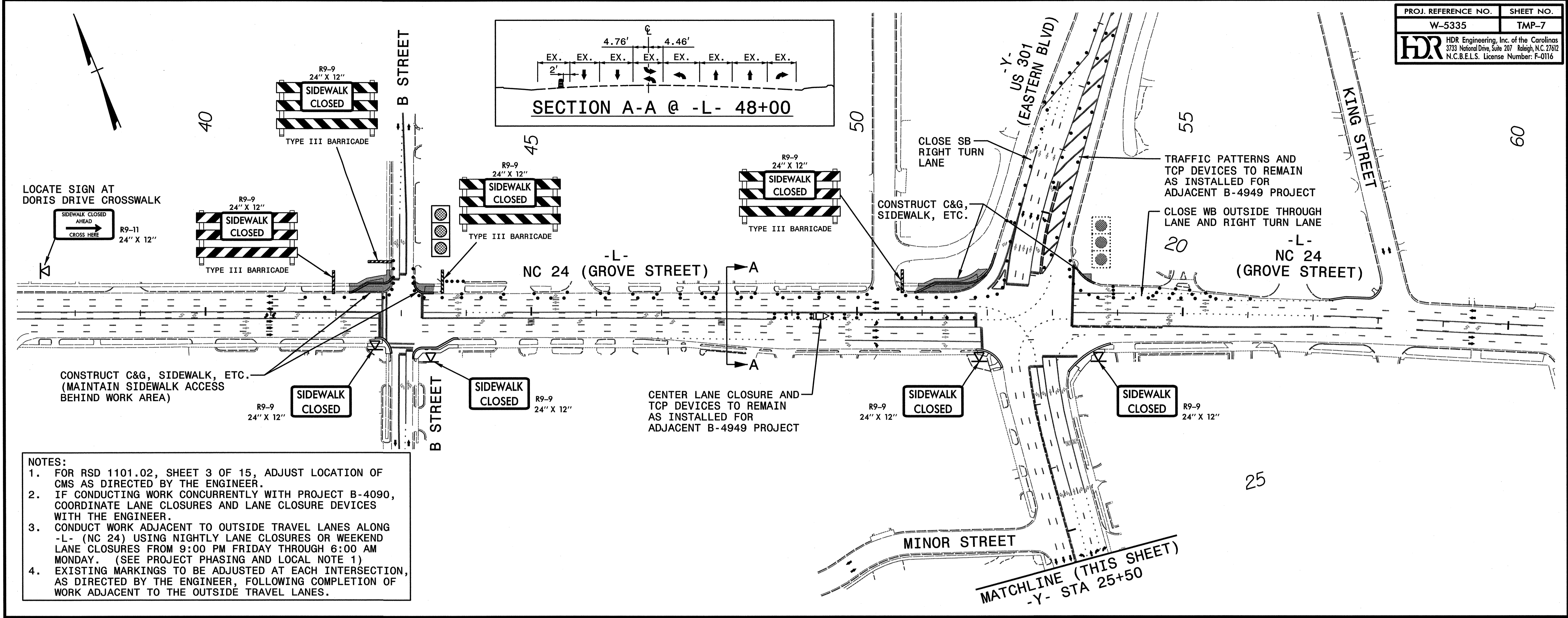




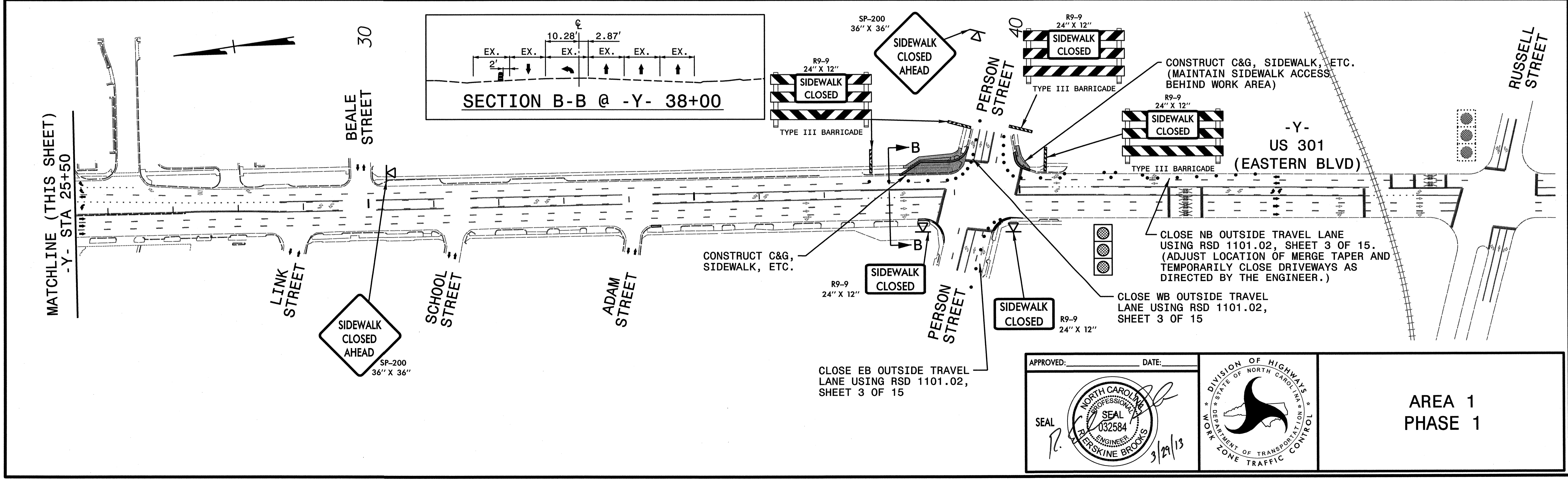
- NOTES:**
1. FOR RSD 1101.02, SHEET 3 OF 15, ADJUST LOCATION OF CMS AS DIRECTED BY THE ENGINEER.
  2. IF CONDUCTING WORK CONCURRENTLY WITH PROJECT B-4090, COORDINATE LANE CLOSURES AND LANE CLOSURE DEVICES WITH THE ENGINEER.
  3. CONDUCT WORK ADJACENT TO OUTSIDE TRAVEL LANES ALONG -L- (NC 24) USING NIGHTLY LANE CLOSURES OR WEEKEND LANE CLOSURES FROM 9:00 PM FRIDAY THROUGH 6:00 AM MONDAY. (SEE PROJECT PHASING AND LOCAL NOTE 1)
  4. EXISTING MARKINGS TO BE ADJUSTED AT EACH INTERSECTION, AS DIRECTED BY THE ENGINEER, FOLLOWING COMPLETION OF WORK ADJACENT TO THE OUTSIDE TRAVEL LANES.


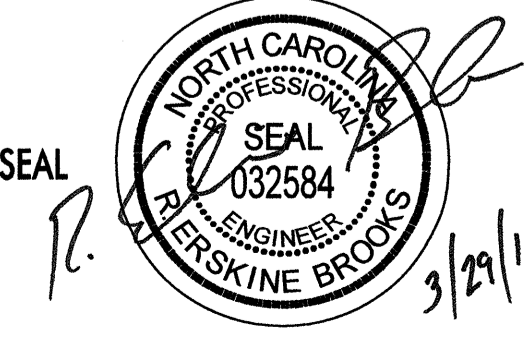
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APPROVED:	DATE:	 DIVISION OF HIGHWAYS STATE OF NORTH CAROLINA DEPARTMENT OF TRANSPORTATION WORK ZONE TRAFFIC CONTROL	AREA 1 PHASE 1
 SEAL R. SKINSKE BROOKS 3/29/13			



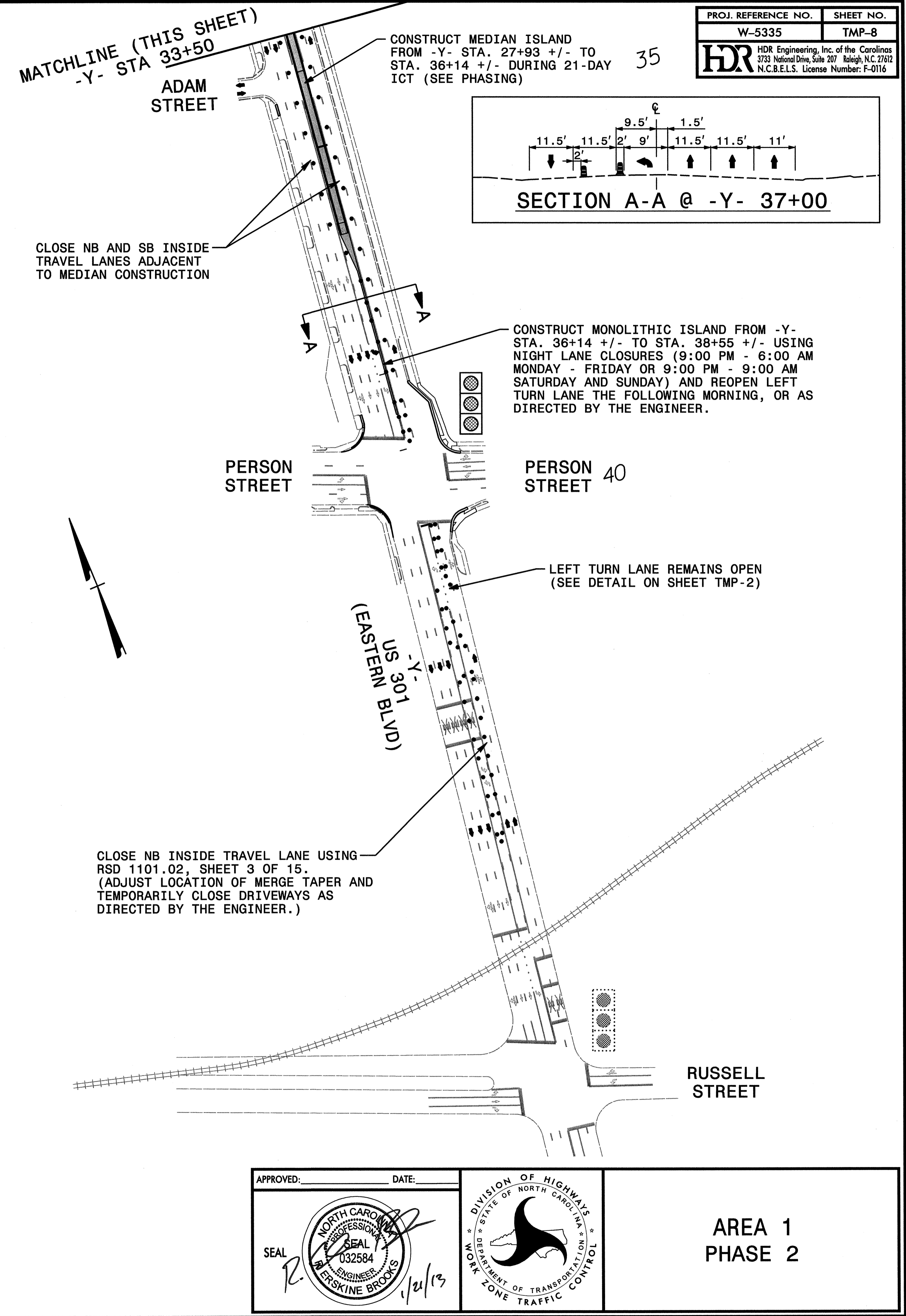
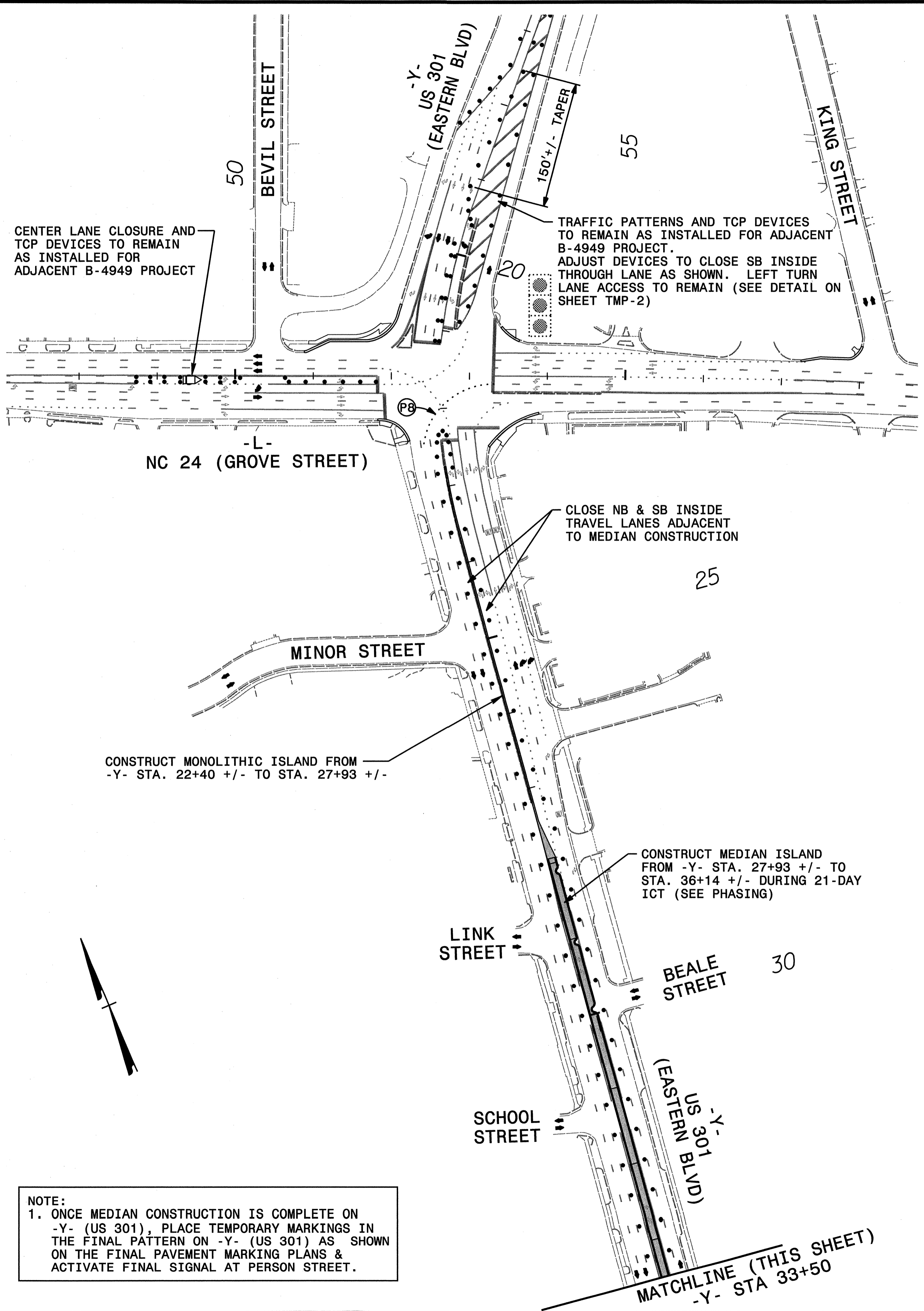
- NOTES:**
- FOR RSD 1101.02, SHEET 3 OF 15, ADJUST LOCATION OF CMS AS DIRECTED BY THE ENGINEER.
  - IF CONDUCTING WORK CONCURRENTLY WITH PROJECT B-4090, COORDINATE LANE CLOSURES AND LANE CLOSURE DEVICES WITH THE ENGINEER.
  - CONDUCT WORK ADJACENT TO OUTSIDE TRAVEL LANES ALONG -L- (NC 24) USING NIGHTLY LANE CLOSURES OR WEEKEND LANE CLOSURES FROM 9:00 PM FRIDAY THROUGH 6:00 AM MONDAY. (SEE PROJECT PHASING AND LOCAL NOTE 1)
  - EXISTING MARKINGS TO BE ADJUSTED AT EACH INTERSECTION, AS DIRECTED BY THE ENGINEER, FOLLOWING COMPLETION OF WORK ADJACENT TO THE OUTSIDE TRAVEL LANES.



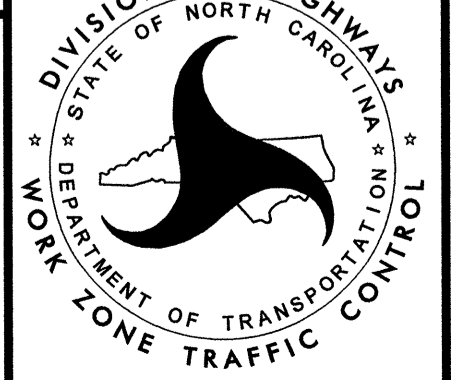
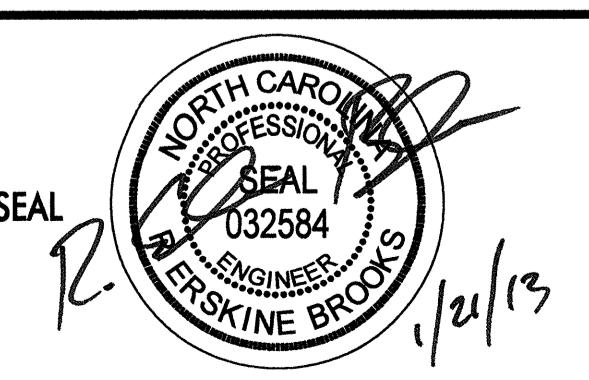
APPROVED:	DATE:	 DIVISION OF HIGHWAYS DEPARTMENT OF TRANSPORTATION WORK ZONE TRAFFIC CONTROL	<b>AREA 1 PHASE 1</b>
	3/29/13		

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 DATE: 3/29/2013  
 TIME: 11:41:17 AM



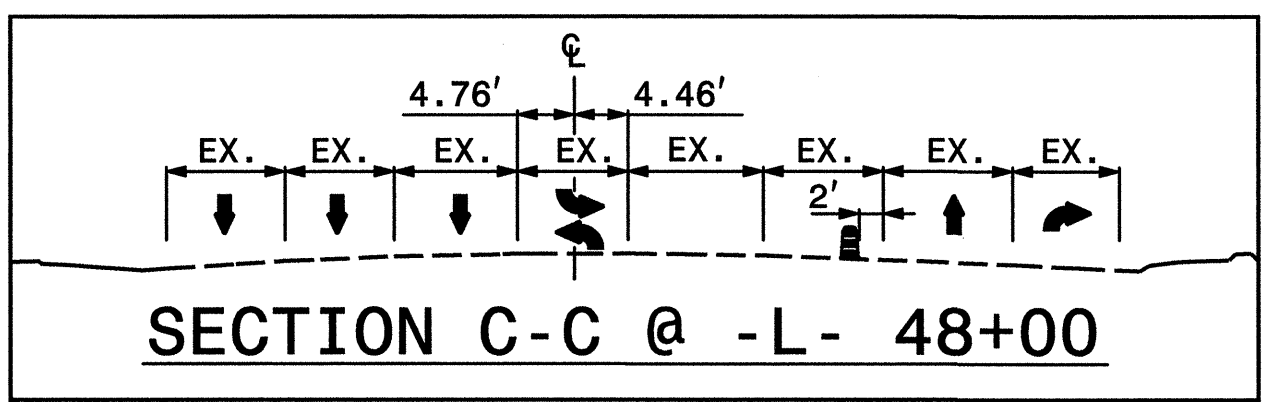
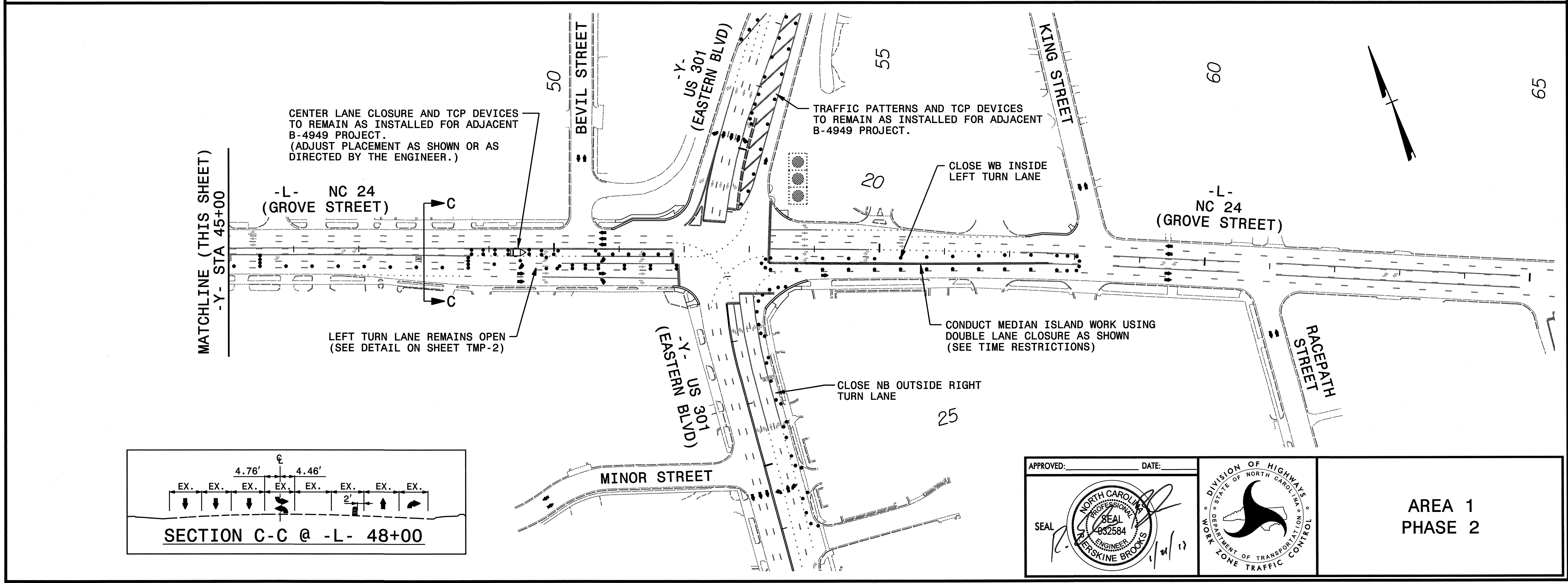
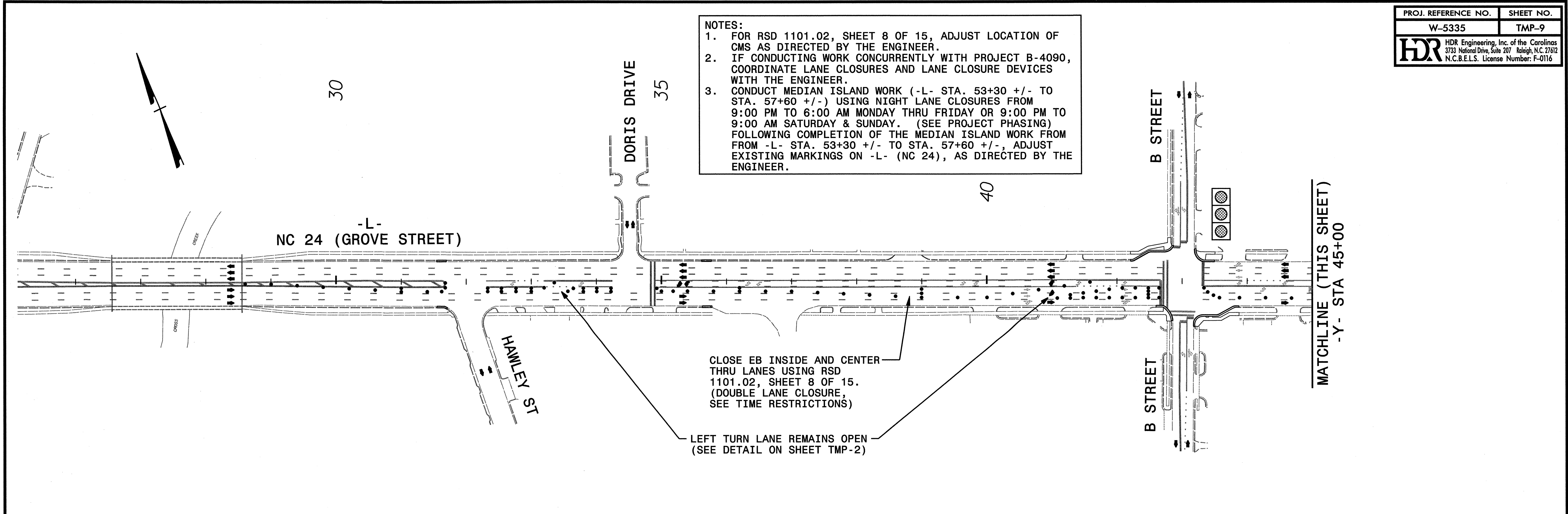



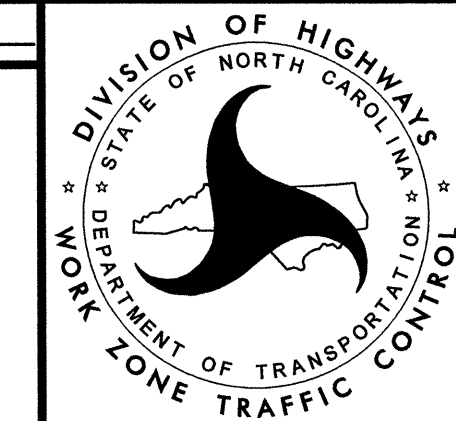

NOTE:  
 1. ONCE MEDIAN CONSTRUCTION IS COMPLETE ON -Y- (US 301), PLACE TEMPORARY MARKINGS IN THE FINAL PATTERN ON -Y- (US 301) AS SHOWN ON THE FINAL PAVEMENT MARKING PLANS & ACTIVATE FINAL SIGNAL AT PERSON STREET.

APPROVED:	DATE:	 DIVISION OF HIGHWAYS STATE OF NORTH CAROLINA DEPARTMENT OF TRANSPORTATION WORK ZONE TRAFFIC CONTROL	AREA 1 PHASE 2
 SEAL R. B. SKINS ENGINEER 032584 1/21/13			

PLOT DRIVER: NCDOT\_pdf\_color\_eng\_50.plt  
 USER: erbrooks  
 FILE: ...\\top\W5335\_TMP\_TMP-08.dgn  
 PENTABLE: NCDOT\_top\_Conven.tbl  
 DATE: 1/21/2013  
 TIME: 4:41:12 PM

NOTES:  
 1. FOR RSD 1101.02, SHEET 8 OF 15, ADJUST LOCATION OF CMS AS DIRECTED BY THE ENGINEER.  
 2. IF CONDUCTING WORK CONCURRENTLY WITH PROJECT B-4090, COORDINATE LANE CLOSURES AND LANE CLOSURE DEVICES WITH THE ENGINEER.  
 3. CONDUCT MEDIAN ISLAND WORK (-L- STA. 53+30 +/- TO STA. 57+60 +/-) USING NIGHT LANE CLOSURES FROM 9:00 PM TO 6:00 AM MONDAY THRU FRIDAY OR 9:00 PM TO 9:00 AM SATURDAY & SUNDAY. (SEE PROJECT PHASING) FOLLOWING COMPLETION OF THE MEDIAN ISLAND WORK FROM FROM -L- STA. 53+30 +/- TO STA. 57+60 +/-, ADJUST EXISTING MARKINGS ON -L- (NC 24), AS DIRECTED BY THE ENGINEER.

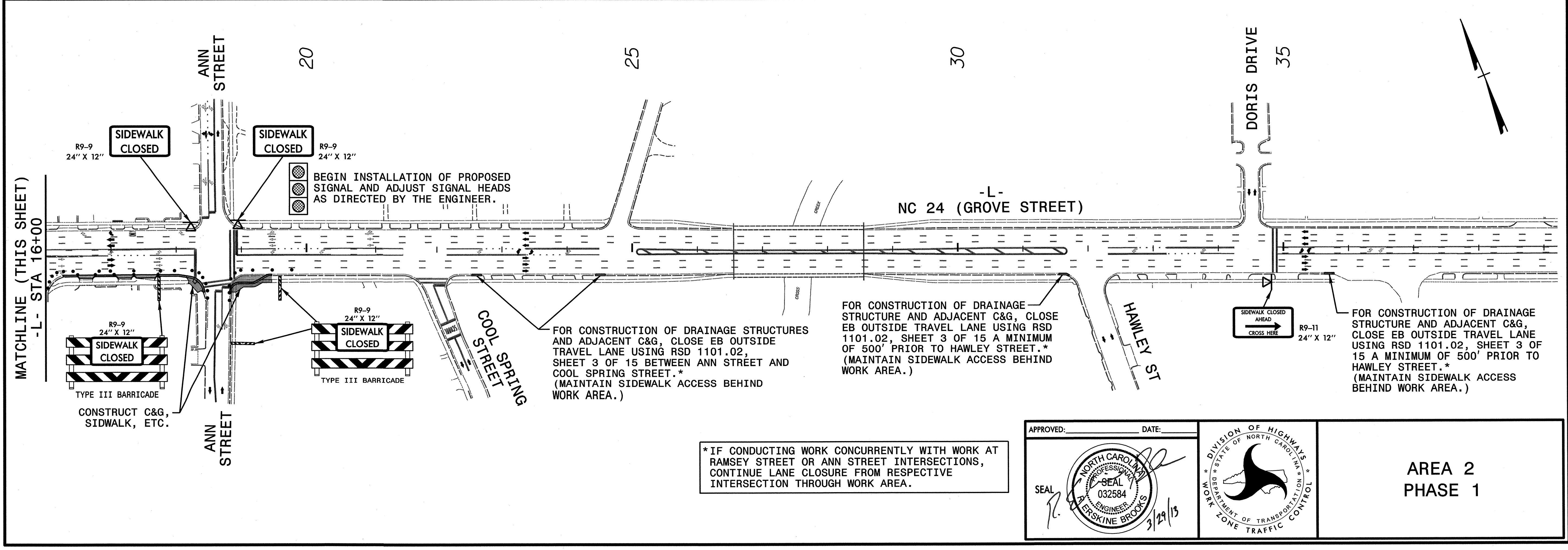
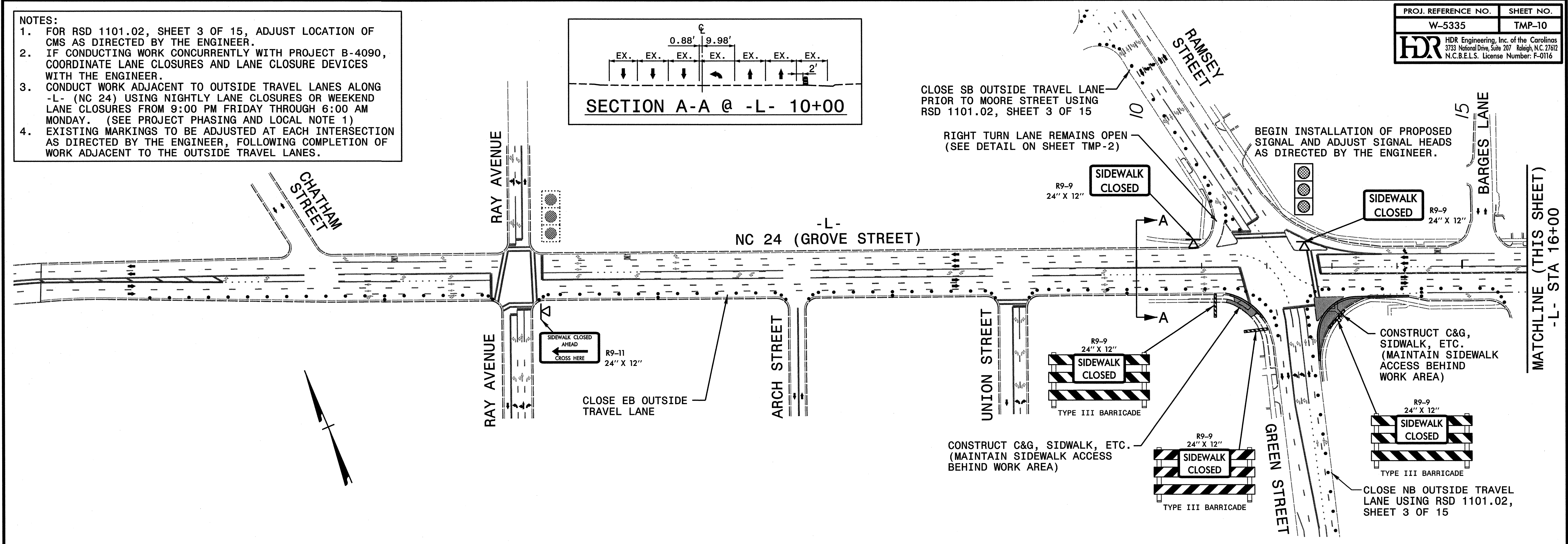
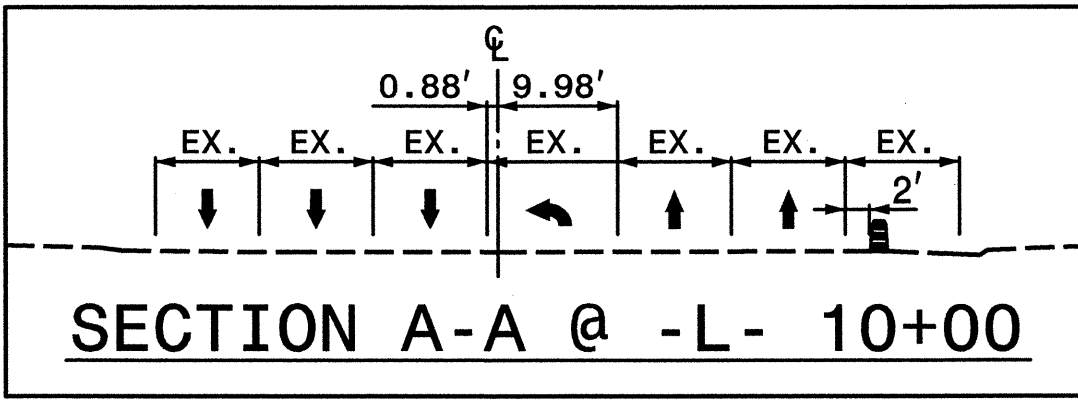


APPROVED:	DATE:	 SEAL ENGINEER WILKINS BROOKS	 DIVISION OF HIGHWAYS NORTH CAROLINA DEPARTMENT OF TRANSPORTATION WORK ZONE TRAFFIC CONTROL	AREA 1 PHASE 2
				

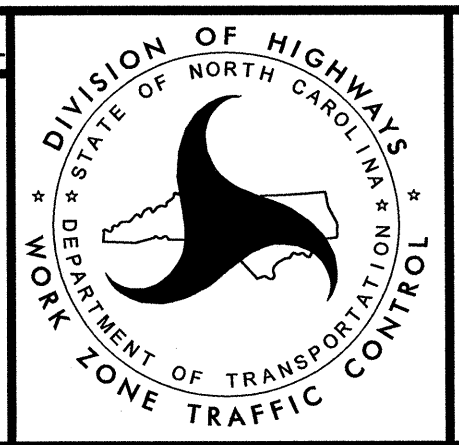
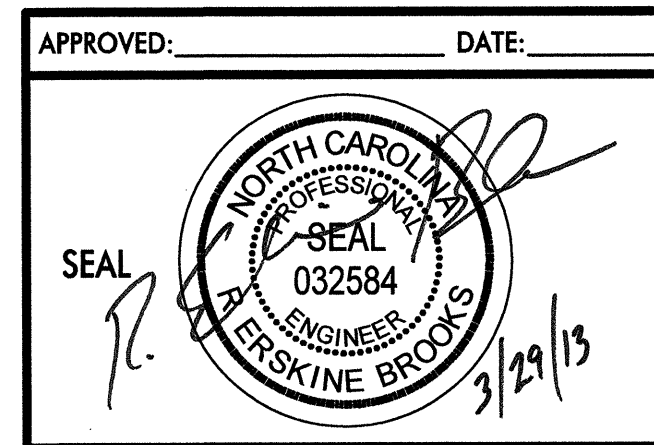
PLOT DRIVER: NCDOT\_pcf\_color\_eng\_50.plt  
 USER: erbrooks  
 FILE: ...\\tcp\W5335\_TMP\_TMP-09.dgn  
 PENTABLE: NCDOT\_tcp\_Convert.tbl  
 DATE: 1/21/2013  
 TIME: 4:41:17 PM



- NOTES:
- FOR RSD 1101.02, SHEET 3 OF 15, ADJUST LOCATION OF CMS AS DIRECTED BY THE ENGINEER.
  - IF CONDUCTING WORK CONCURRENTLY WITH PROJECT B-4090, COORDINATE LANE CLOSURES AND LANE CLOSURE DEVICES WITH THE ENGINEER.
  - CONDUCT WORK ADJACENT TO OUTSIDE TRAVEL LANES ALONG -L- (NC 24) USING NIGHTLY LANE CLOSURES OR WEEKEND LANE CLOSURES FROM 9:00 PM FRIDAY THROUGH 6:00 AM MONDAY. (SEE PROJECT PHASING AND LOCAL NOTE 1)
  - EXISTING MARKINGS TO BE ADJUSTED AT EACH INTERSECTION AS DIRECTED BY THE ENGINEER, FOLLOWING COMPLETION OF WORK ADJACENT TO THE OUTSIDE TRAVEL LANES.



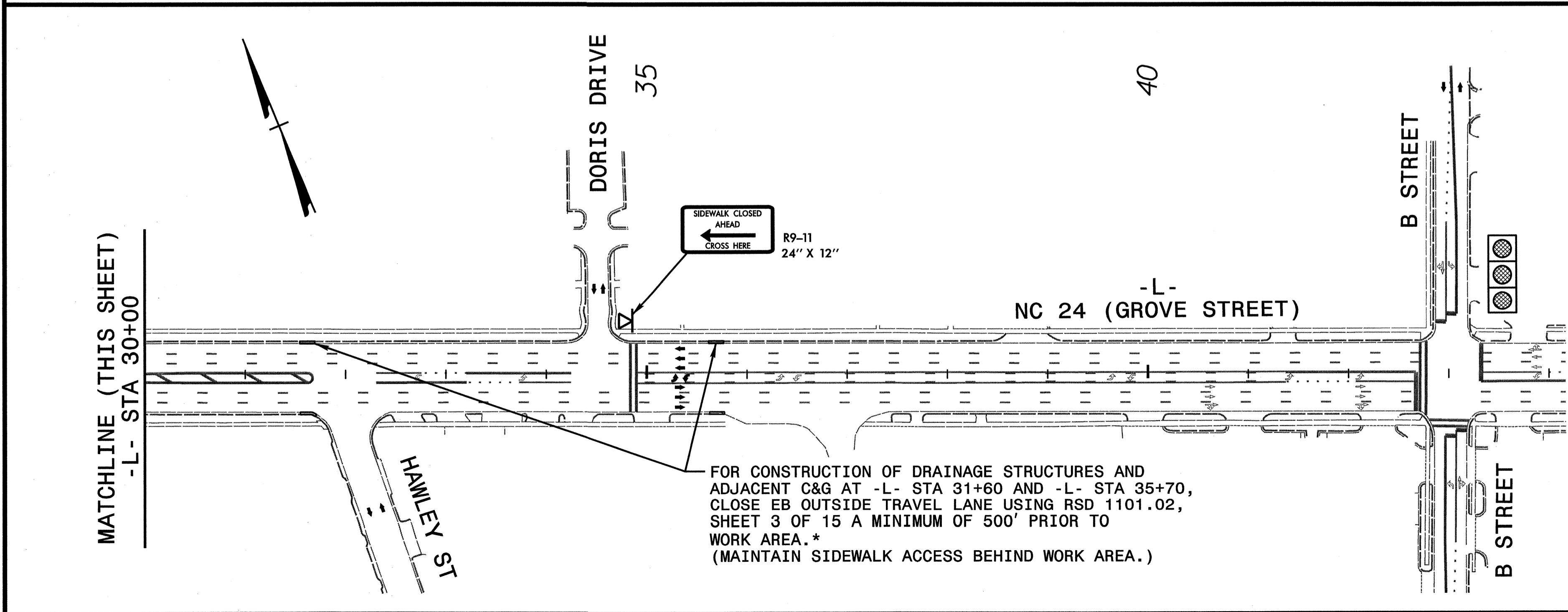
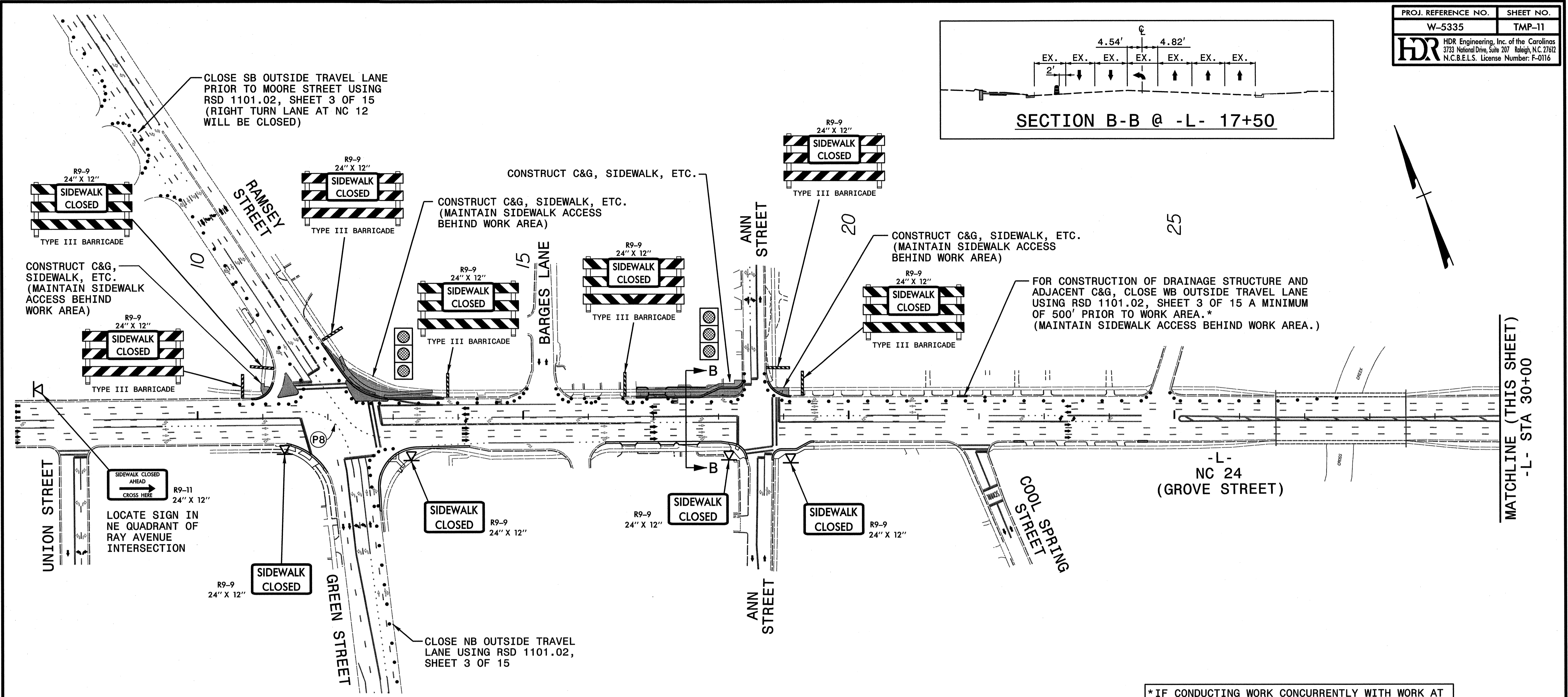
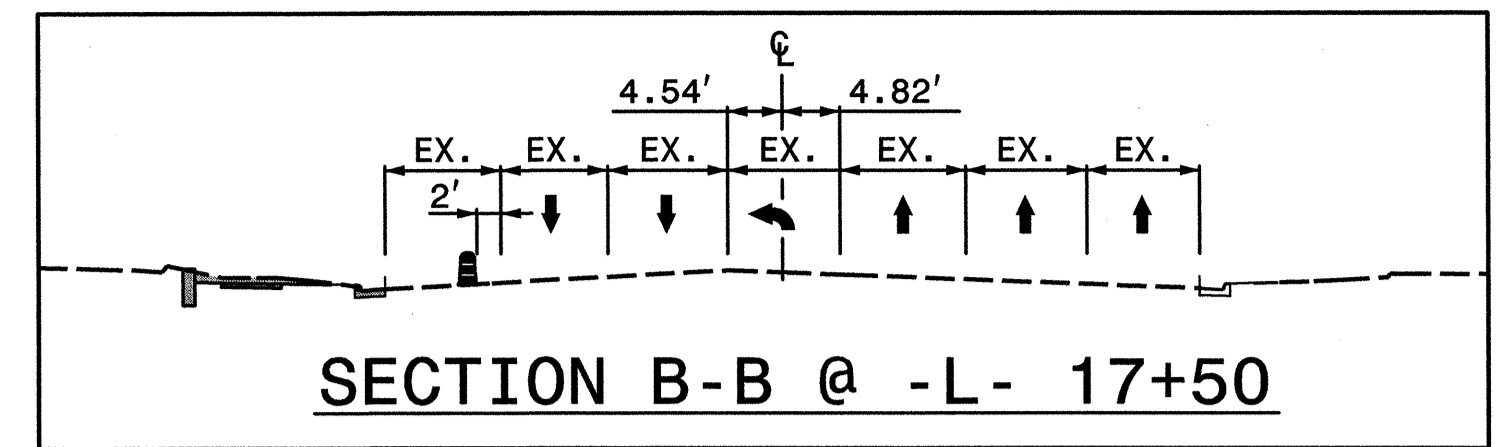
\* IF CONDUCTING WORK CONCURRENTLY WITH WORK AT RAMSEY STREET OR ANN STREET INTERSECTIONS, CONTINUE LANE CLOSURE FROM RESPECTIVE INTERSECTION THROUGH WORK AREA.



AREA 2  
PHASE 1

PLOT DRIVER: NCDOT\_pdf\_color\_eng\_50.ppt  
 USER: chornden  
 FILE: ...TCP\W5335\_TMP-TMP-10.dgn  
 PENTABLE: NCDOT\_tcp\_Conven.tbl  
 DATE: 3/29/2013  
 TIME: 11:16:15 AM





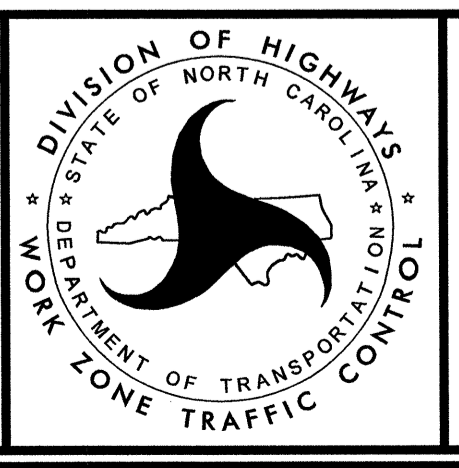
\* IF CONDUCTING WORK CONCURRENTLY WITH WORK AT RAMSEY STREET OR ANN STREET INTERSECTIONS, CONTINUE LANE CLOSURE FROM RESPECTIVE INTERSECTION THROUGH WORK AREA.

- NOTES:
- FOR RSD 1101.02, SHEET 3 OF 15, ADJUST LOCATION OF CMS AS DIRECTED BY THE ENGINEER.
  - IF CONDUCTING WORK CONCURRENTLY WITH PROJECT B-4090, COORDINATE LANE CLOSURES AND LANE CLOSURE DEVICES WITH THE ENGINEER.
  - CONDUCT WORK ADJACENT TO OUTSIDE TRAVEL LANES ALONG -L- (NC 24) USING NIGHTLY LANE CLOSURES OR WEEKEND LANE CLOSURES FROM 9:00 PM FRIDAY THROUGH 6:00 AM MONDAY. (SEE PROJECT PHASING AND LOCAL NOTE 1)
  - EXISTING MARKINGS TO BE ADJUSTED AT EACH INTERSECTION AS DIRECTED BY THE ENGINEER, FOLLOWING COMPLETION OF WORK ADJACENT TO THE OUTSIDE TRAVEL LANES.

PLOT DRIVER: NCDOT\_pdf\_color\_eng\_50.plt  
 USER: charnden  
 FILE: ...NCP\W5335\_TMP-TMP-11.dgn  
 PENTABLE: NCDOT\_fcp\_Conven.tbl  
 DATE: 3/29/2013  
 TIME: 11:17:47 AM

APPROVED: \_\_\_\_\_ DATE: 3/29/13

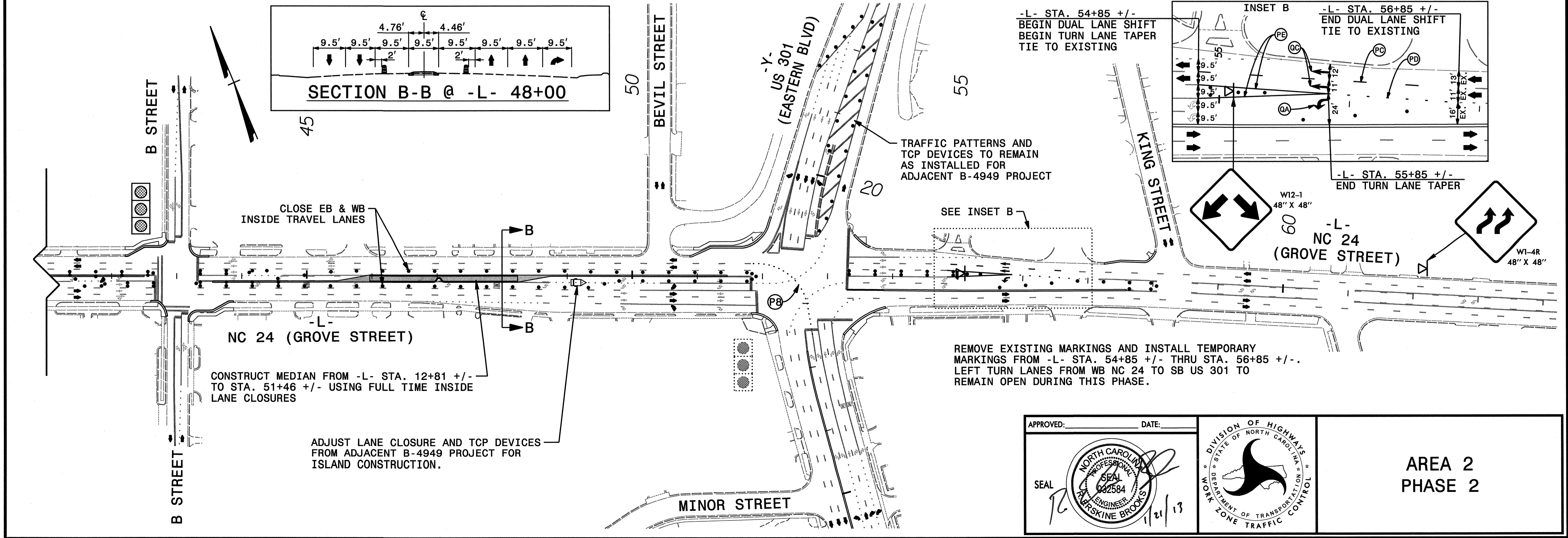
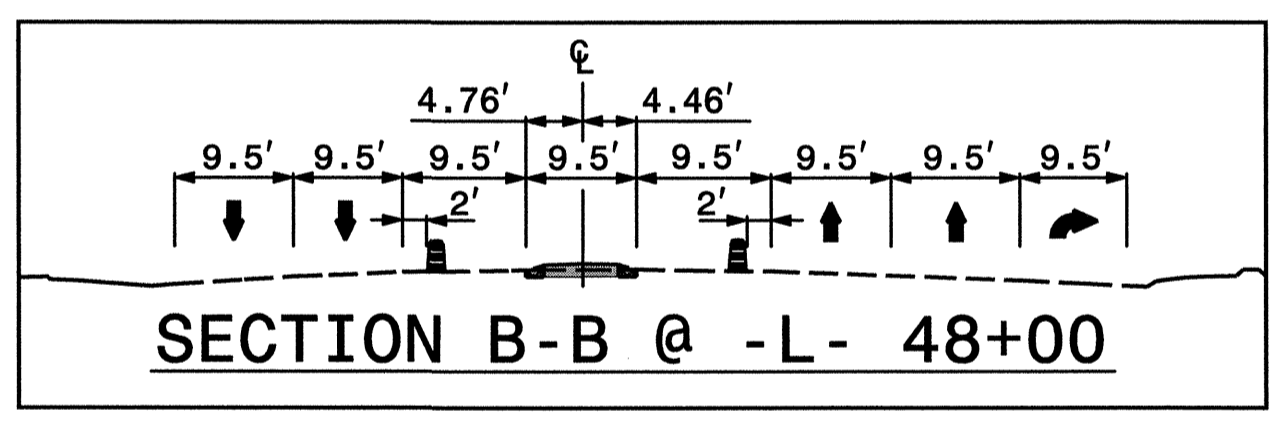
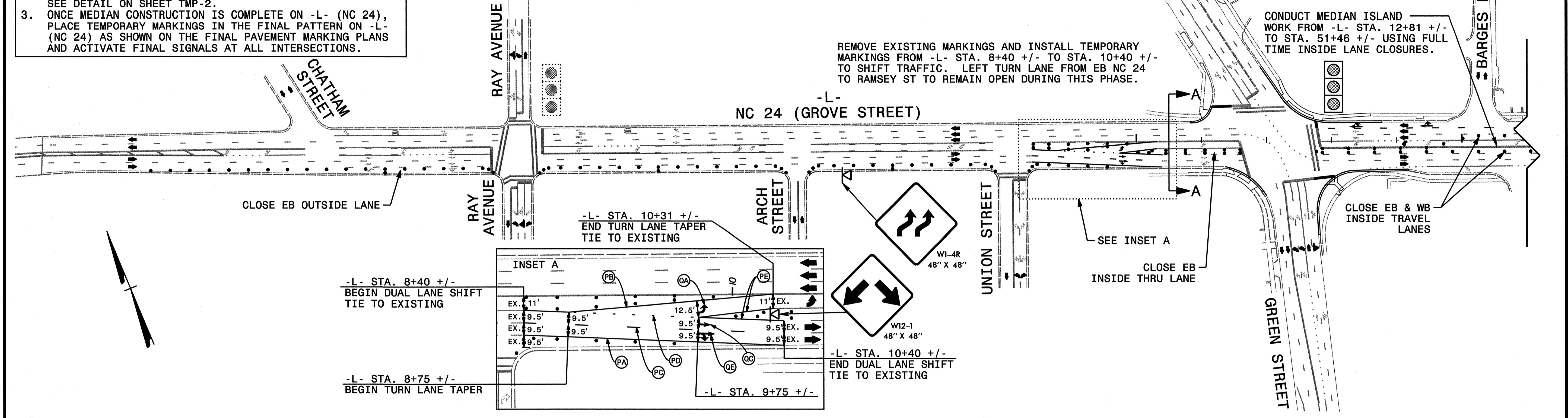
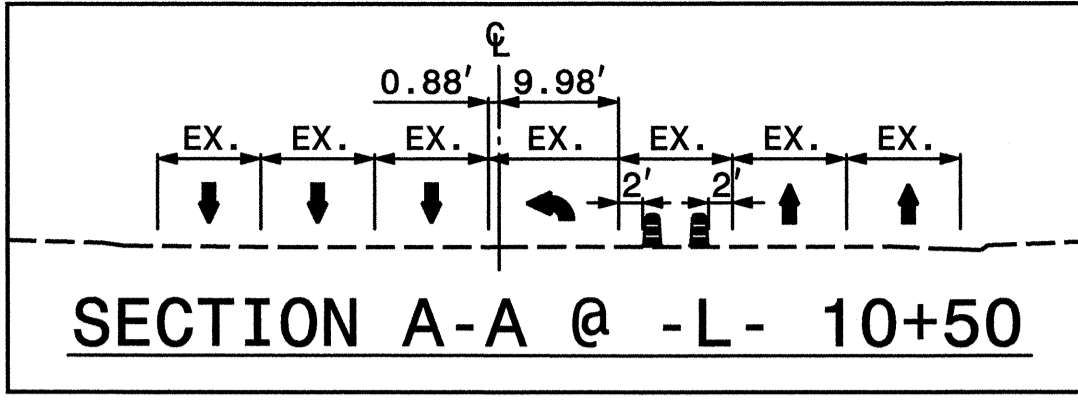
SEAL  
 NORTH CAROLINA PROFESSIONAL ENGINEER  
 SEAL 032584  
 BRUCE SKRISKE BROOKS



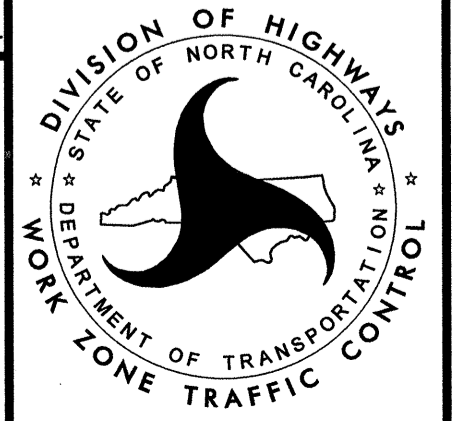
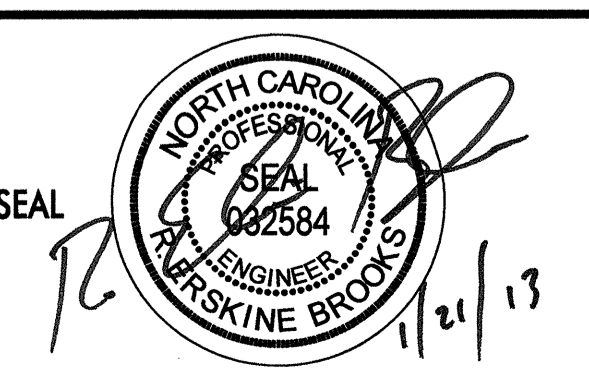
AREA 2  
 PHASE 1



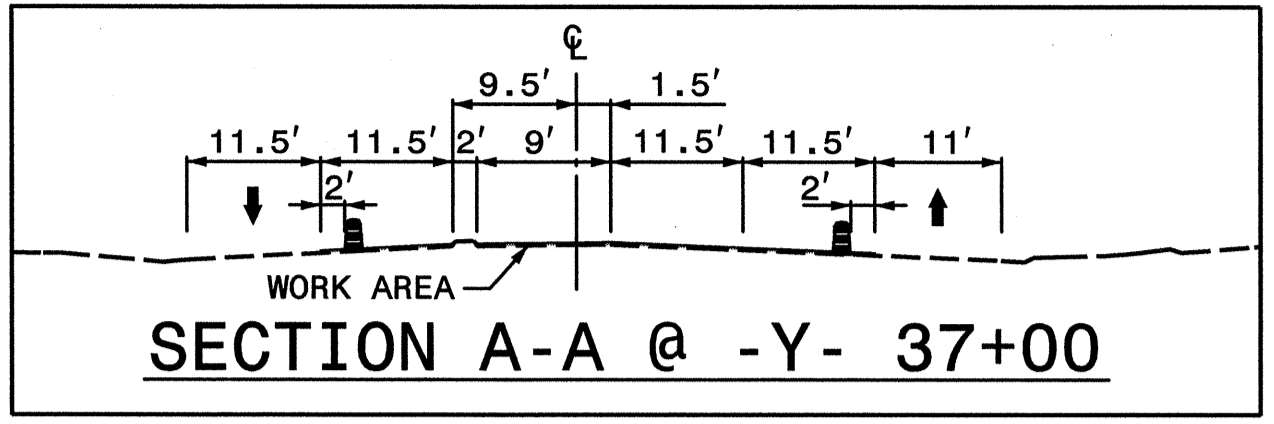
- NOTES:
- IF CONDUCTING WORK CONCURRENTLY WITH PROJECT B-4090, COORDINATE LANE CLOSURES AND LANE CLOSURE DEVICES WITH THE ENGINEER.
  - LEFT TURN LANES ARE TO REMAIN OPEN DURING THE DAY. AT EACH INTERSECTION, CONSTRUCT MONOLITHIC ISLAND ALONG LEFT TURN LANE USING NIGHT LANE CLOSURES FROM 9:00 PM TO 6:00 AM MONDAY THRU FRIDAY OR 9:00 PM TO 9:00 AM SATURDAY & SUNDAY AND REOPEN LEFT TURN LANE THE FOLLOWING MORNING, OR AS DIRECTED BY THE ENGINEER. SEE DETAIL ON SHEET TMP-2.
  - ONCE MEDIAN CONSTRUCTION IS COMPLETE ON -L- (NC 24), PLACE TEMPORARY MARKINGS IN THE FINAL PATTERN ON -L- (NC 24) AS SHOWN ON THE FINAL PAVEMENT MARKING PLANS AND ACTIVATE FINAL SIGNALS AT ALL INTERSECTIONS.



PLOT DRIVER: NCDOT\_top\_color\_eng\_50.plt  
 USER: eBrooks  
 FILE: ...top\W5335\_TMP\_TMP-12.dgn  
 DATE: 1/21/2013  
 TIME: 4:41:36 PM

APPROVED:	DATE:	 DIVISION OF HIGHWAYS DEPARTMENT OF TRANSPORTATION WORK ZONE TRAFFIC CONTROL	<b>AREA 2 PHASE 2</b>
 R. Skinske Brooks 1/21/13			





MATCHLINE (THIS SHEET)  
-Y- STA 33+50

ADAM STREET

CLOSE NB AND SB INSIDE AND CENTER THRU LANES

CONDUCT FINAL PAVING OPERATIONS (SEE NOTE 2)

PERSON STREET

SEE NOTE 3

PERSON STREET 40

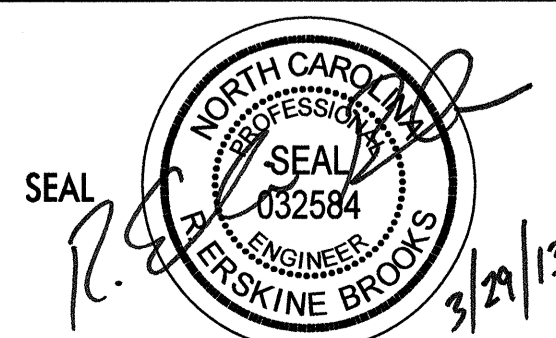
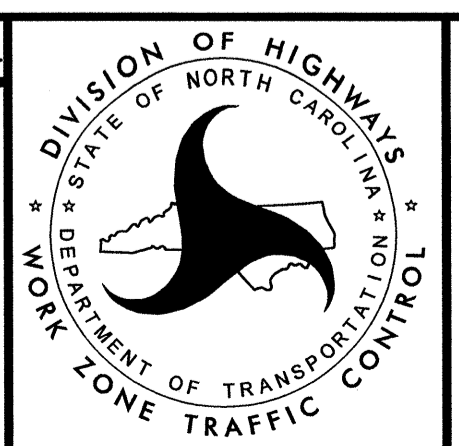
-Y- STA. 40+15 +/-  
END PAVING

LEFT TURN LANE TO REMAIN OPEN DURING THE DAY. (SEE DETAIL ON SHEET TMP-2)  
CLOSE NB LEFT TURN LANE WHEN REQUIRED FOR COMPLETION OF PAVING OPERATIONS

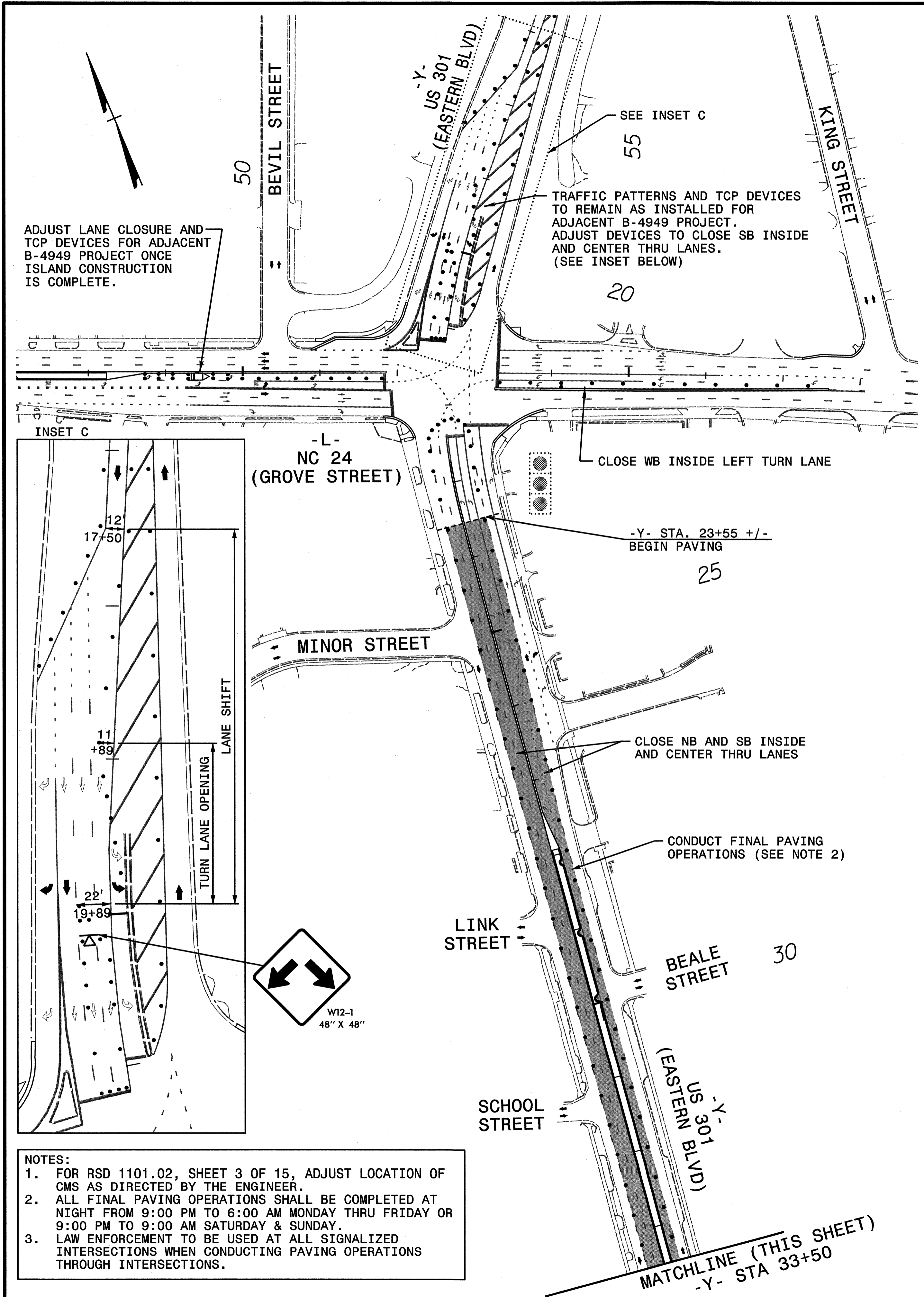
CLOSE NB INSIDE TRAVEL LANE USING RSD 1101.02, SHEET 3 OF 15. (ADJUST LOCATION OF MERGE TAPER AND TEMPORARILY CLOSE DRIVEWAYS AS DIRECTED BY THE ENGINEER.)

RUSSELL STREET

APPROVED: \_\_\_\_\_ DATE: 3/29/13

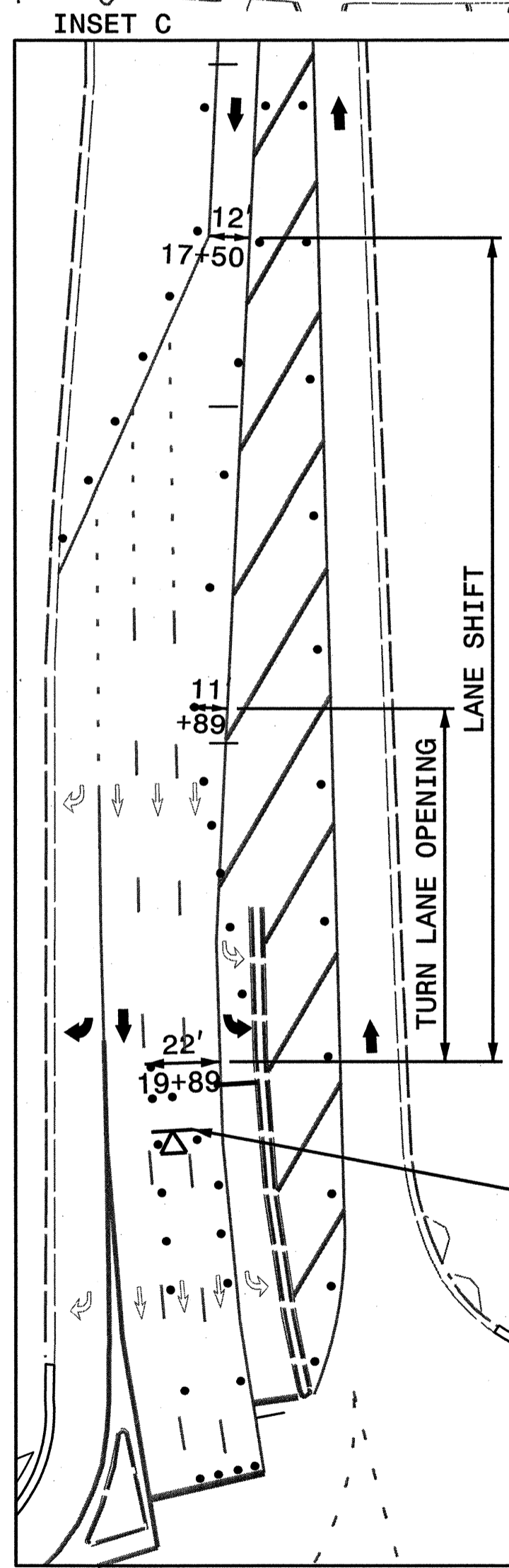
**AREA 1 (-Y- ONLY)  
PHASE 3  
SB INSIDE DOUBLE  
LANE CLOSURE**



ADJUST LANE CLOSURE AND TCP DEVICES FOR ADJACENT B-4949 PROJECT ONCE ISLAND CONSTRUCTION IS COMPLETE.

SEE INSET C  
55  
TRAFFIC PATTERNS AND TCP DEVICES TO REMAIN AS INSTALLED FOR ADJACENT B-4949 PROJECT. ADJUST DEVICES TO CLOSE SB INSIDE AND CENTER THRU LANES. (SEE INSET BELOW)

20



-L- NC 24 (GROVE STREET)

CLOSE WB INSIDE LEFT TURN LANE

-Y- STA. 23+55 +/-  
BEGIN PAVING

25

MINOR STREET

CLOSE NB AND SB INSIDE AND CENTER THRU LANES

CONDUCT FINAL PAVING OPERATIONS (SEE NOTE 2)

LINK STREET

BEALE STREET 30

SCHOOL STREET

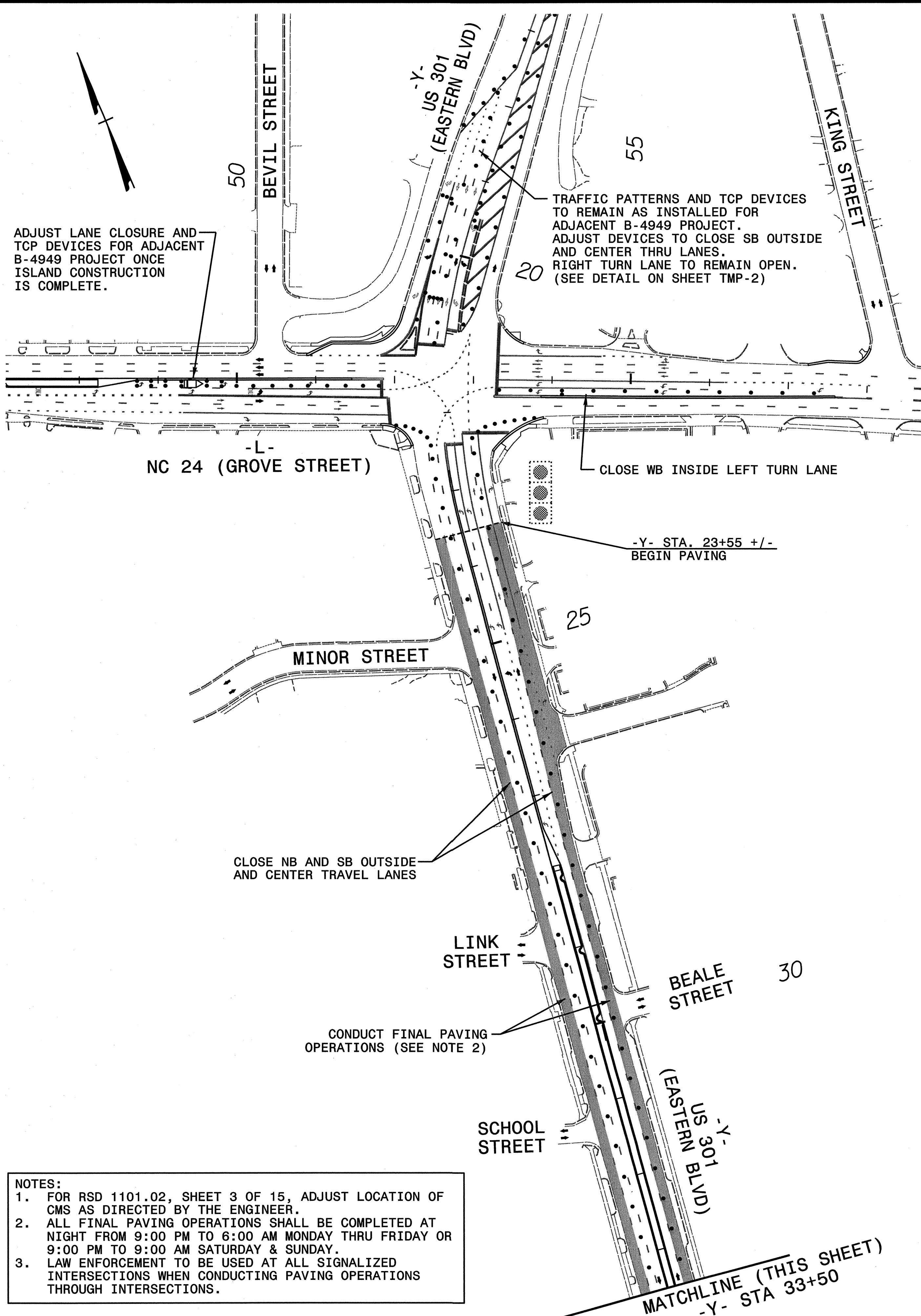
(EASTERN US 301 BLVD)

MATCHLINE (THIS SHEET)  
-Y- STA 33+50

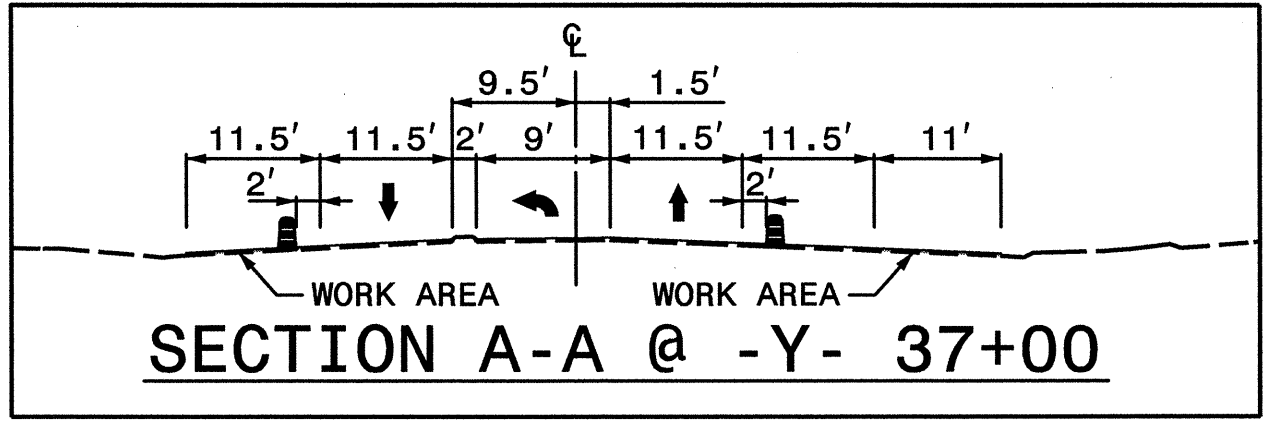
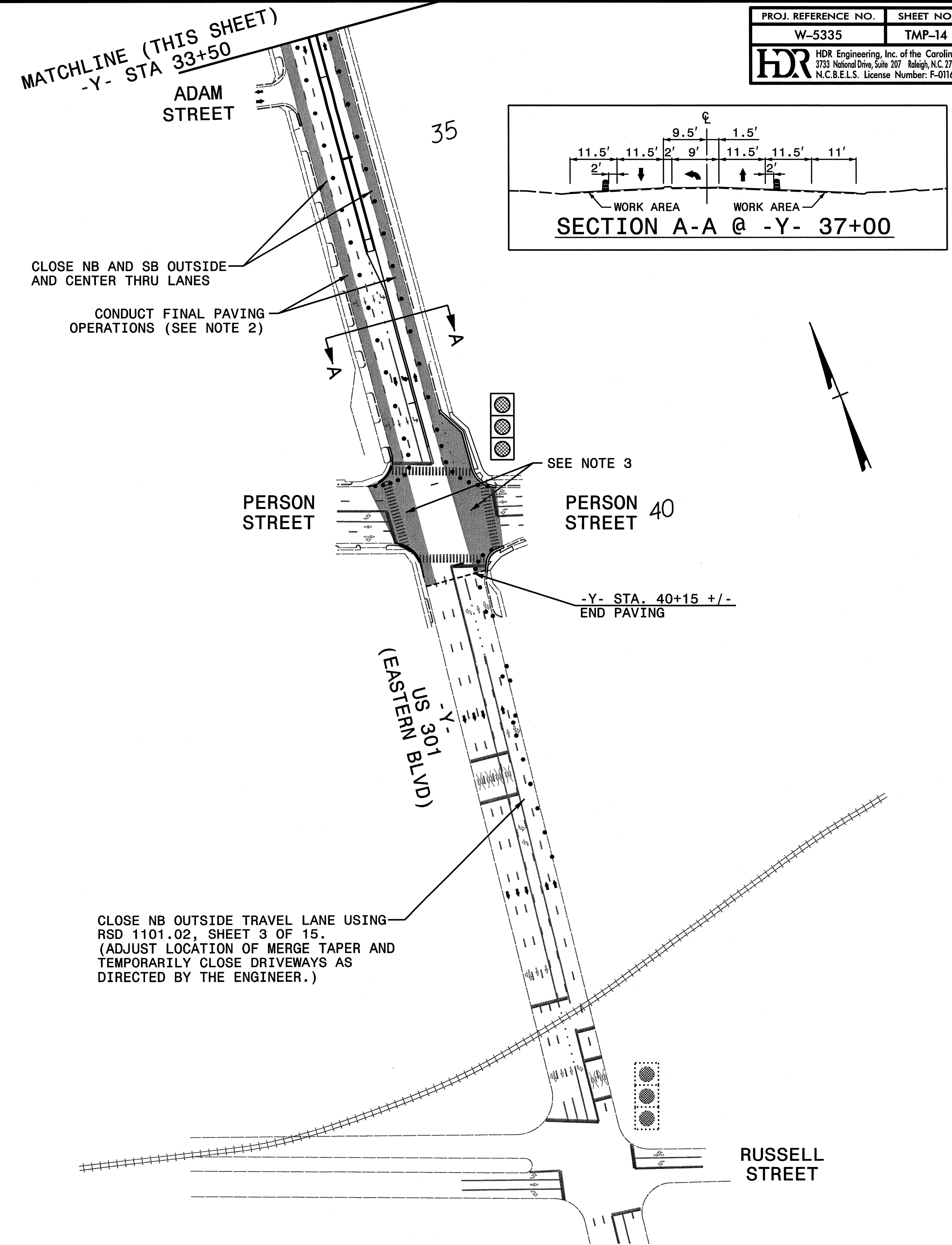
- NOTES:
- FOR RSD 1101.02, SHEET 3 OF 15, ADJUST LOCATION OF CMS AS DIRECTED BY THE ENGINEER.
  - ALL FINAL PAVING OPERATIONS SHALL BE COMPLETED AT NIGHT FROM 9:00 PM TO 6:00 AM MONDAY THRU FRIDAY OR 9:00 PM TO 9:00 AM SATURDAY & SUNDAY.
  - LAW ENFORCEMENT TO BE USED AT ALL SIGNALIZED INTERSECTIONS WHEN CONDUCTING PAVING OPERATIONS THROUGH INTERSECTIONS.

PLOT DRIVER: NCDOT\_pdf\_color\_eng\_50.plt  
 USER: charnden  
 FILE: \\TCP\W5335\_TMP-TMP-13.dgn  
 PENTABLE: NCDOT\_tcp\_Conven.tbl  
 DATE: 3/29/2013  
 TIME: 11:21:30 AM

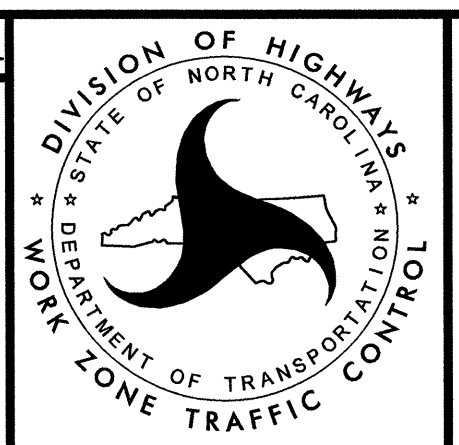




NOTES:  
1. FOR RSD 1101.02, SHEET 3 OF 15, ADJUST LOCATION OF CMS AS DIRECTED BY THE ENGINEER.  
2. ALL FINAL PAVING OPERATIONS SHALL BE COMPLETED AT NIGHT FROM 9:00 PM TO 6:00 AM MONDAY THRU FRIDAY OR 9:00 PM TO 9:00 AM SATURDAY & SUNDAY.  
3. LAW ENFORCEMENT TO BE USED AT ALL SIGNALIZED INTERSECTIONS WHEN CONDUCTING PAVING OPERATIONS THROUGH INTERSECTIONS.



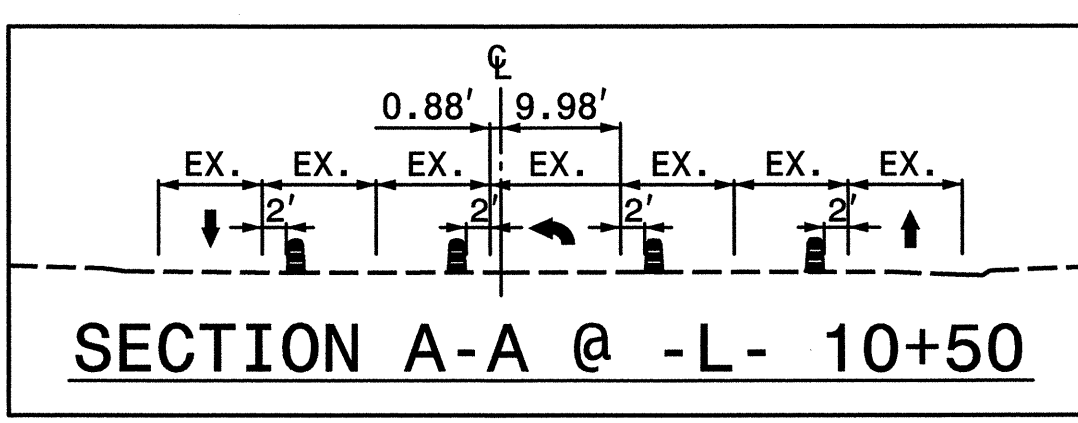
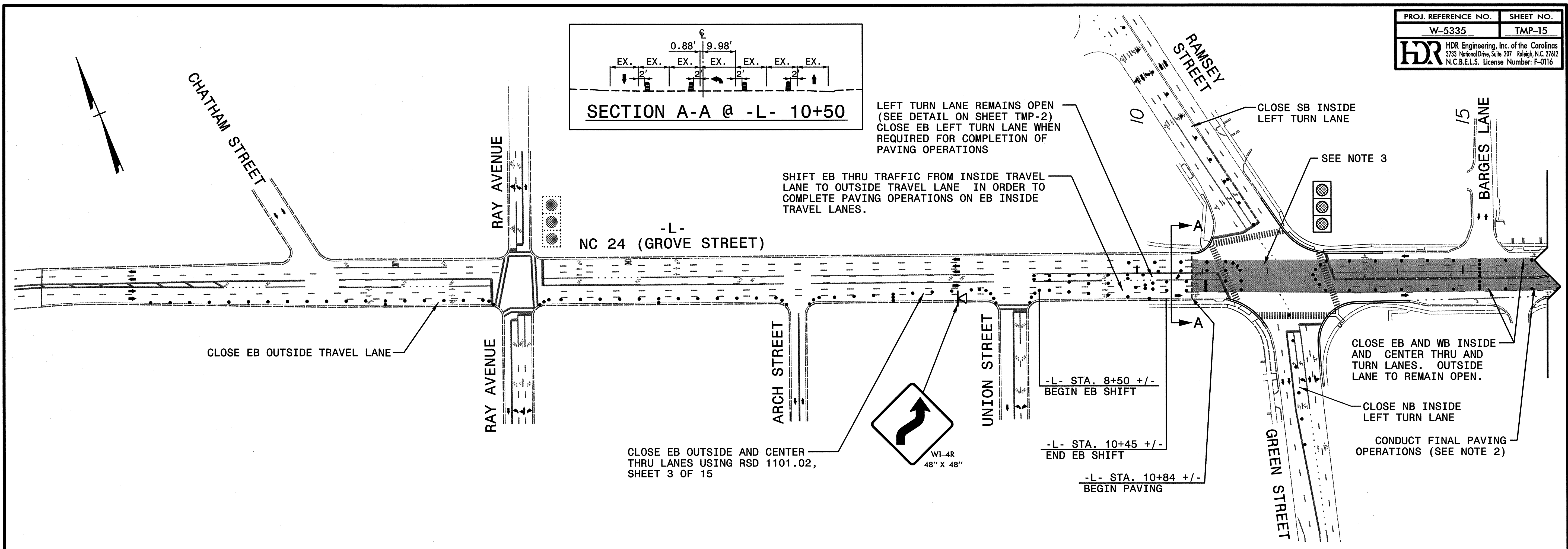
APPROVED: [Signature]  
DATE: 3/29/13  
SEAL: [Professional Seal]  
ENGINEER: ERSKINE BROOKS



AREA 1 (-Y- ONLY)  
PHASE 3  
SB OUTSIDE DOUBLE  
LANE CLOSURE

PLOT DRIVER: NCDOT\_pdf\_color\_eng\_50.pft  
USER: chornden  
FILE: \\TCP\W5335\_TMP\_TMP-14.dgn  
PENTABLE: NCDOT\_tcp\_Conven.tbl  
TIME: 11:24:17 AM  
DATE: 3/29/2013





LEFT TURN LANE REMAINS OPEN (SEE DETAIL ON SHEET TMP-2)  
 CLOSE EB LEFT TURN LANE WHEN REQUIRED FOR COMPLETION OF PAVING OPERATIONS

SHIFT EB THRU TRAFFIC FROM INSIDE TRAVEL LANE TO OUTSIDE TRAVEL LANE IN ORDER TO COMPLETE PAVING OPERATIONS ON EB INSIDE TRAVEL LANES.

CLOSE SB INSIDE LEFT TURN LANE

SEE NOTE 3

CLOSE EB OUTSIDE TRAVEL LANE

CLOSE EB OUTSIDE AND CENTER THRU LANES USING RSD 1101.02, SHEET 3 OF 15

-L- STA. 8+50 +/- BEGIN EB SHIFT

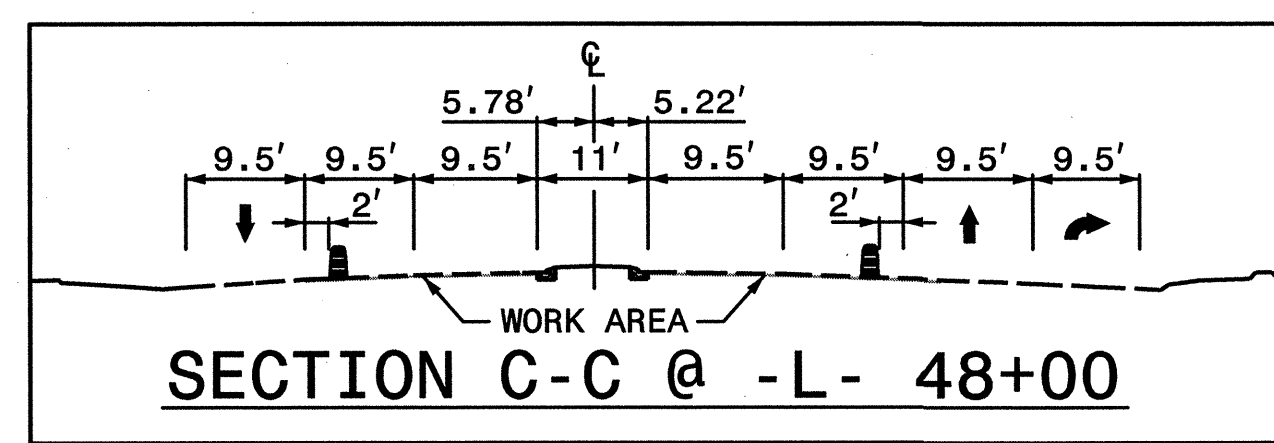
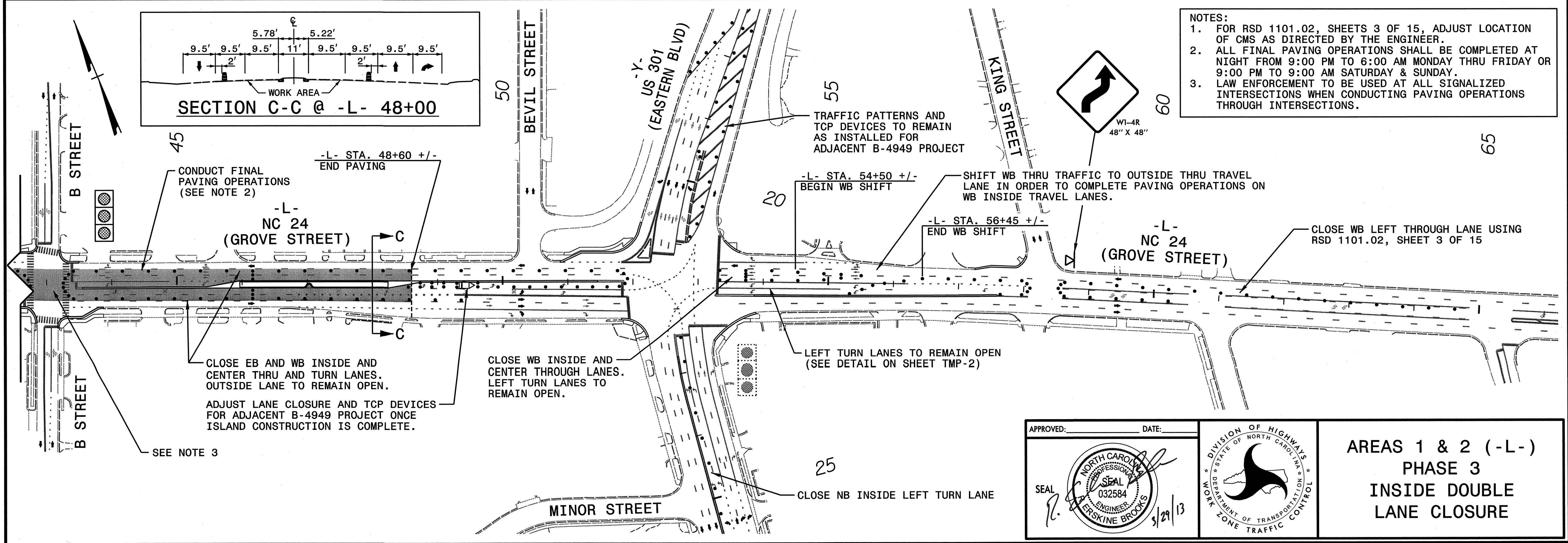
-L- STA. 10+45 +/- END EB SHIFT

-L- STA. 10+84 +/- BEGIN PAVING

CLOSE EB AND WB INSIDE AND CENTER THRU AND TURN LANES. OUTSIDE LANE TO REMAIN OPEN.

CLOSE NB INSIDE LEFT TURN LANE

CONDUCT FINAL PAVING OPERATIONS (SEE NOTE 2)



- NOTES:
- FOR RSD 1101.02, SHEETS 3 OF 15, ADJUST LOCATION OF CMS AS DIRECTED BY THE ENGINEER.
  - ALL FINAL PAVING OPERATIONS SHALL BE COMPLETED AT NIGHT FROM 9:00 PM TO 6:00 AM MONDAY THRU FRIDAY OR 9:00 PM TO 9:00 AM SATURDAY & SUNDAY.
  - LAW ENFORCEMENT TO BE USED AT ALL SIGNALIZED INTERSECTIONS WHEN CONDUCTING PAVING OPERATIONS THROUGH INTERSECTIONS.

TRAFFIC PATTERNS AND TCP DEVICES TO REMAIN AS INSTALLED FOR ADJACENT B-4949 PROJECT

-L- STA. 54+50 +/- BEGIN WB SHIFT

SHIFT WB THRU TRAFFIC TO OUTSIDE THRU TRAVEL LANE IN ORDER TO COMPLETE PAVING OPERATIONS ON WB INSIDE TRAVEL LANES.

-L- STA. 56+45 +/- END WB SHIFT

CLOSE WB LEFT THROUGH LANE USING RSD 1101.02, SHEET 3 OF 15

CONDUCT FINAL PAVING OPERATIONS (SEE NOTE 2)

-L- STA. 48+60 +/- END PAVING

-L- NC 24 (GROVE STREET)

CLOSE EB AND WB INSIDE AND CENTER THRU AND TURN LANES. OUTSIDE LANE TO REMAIN OPEN.

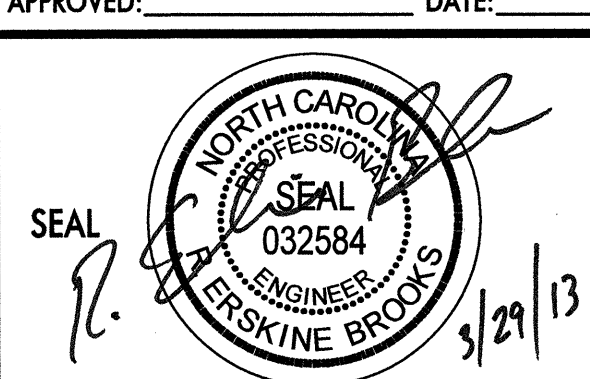
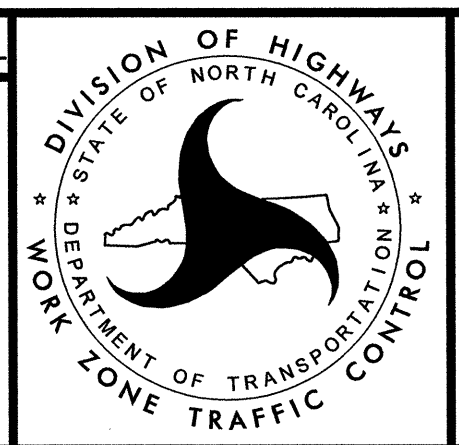
ADJUST LANE CLOSURE AND TCP DEVICES FOR ADJACENT B-4949 PROJECT ONCE ISLAND CONSTRUCTION IS COMPLETE.

CLOSE WB INSIDE AND CENTER THROUGH LANES. LEFT TURN LANES TO REMAIN OPEN.

LEFT TURN LANES TO REMAIN OPEN (SEE DETAIL ON SHEET TMP-2)

CLOSE NB INSIDE LEFT TURN LANE

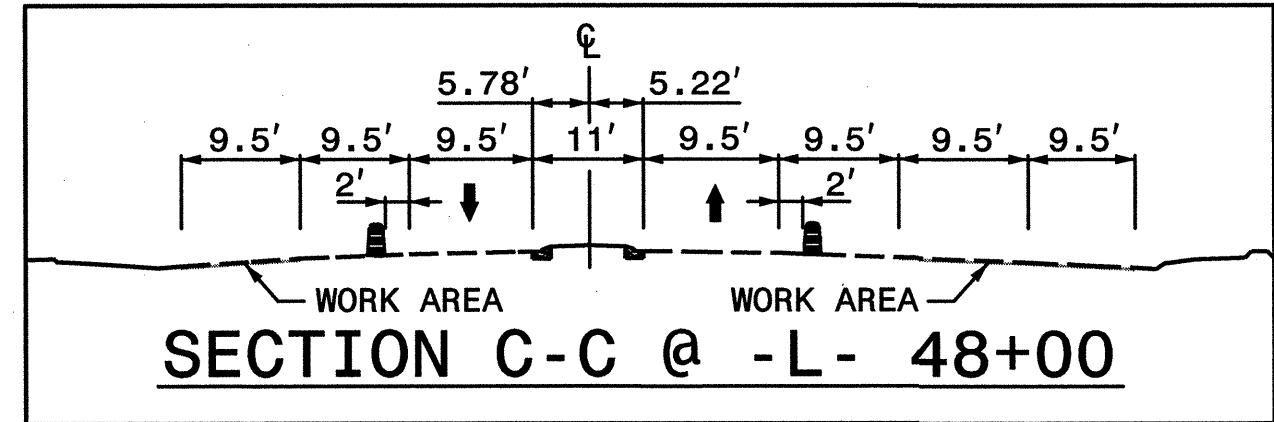
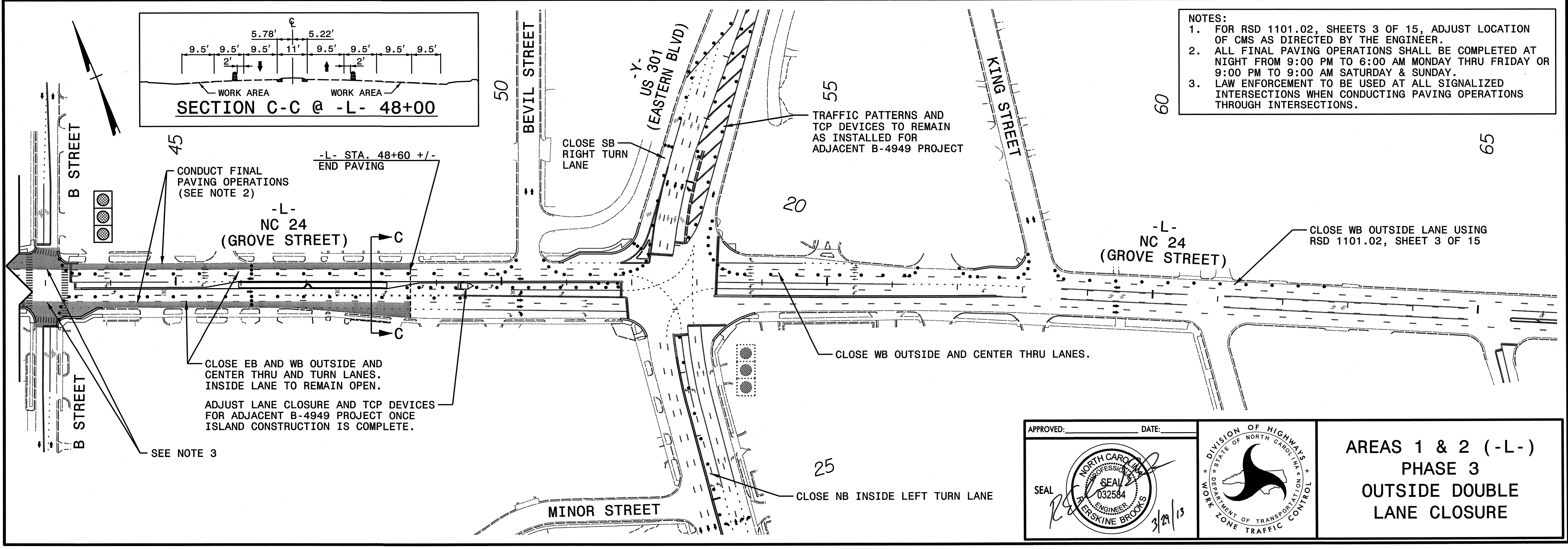
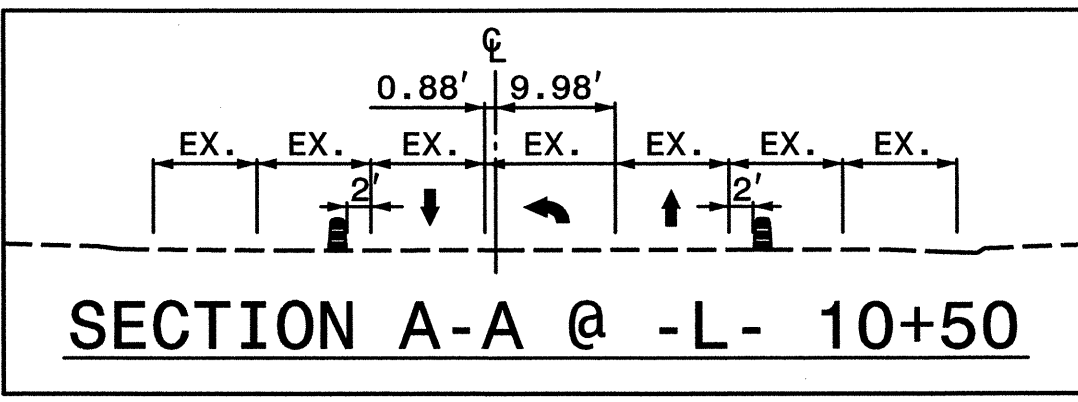
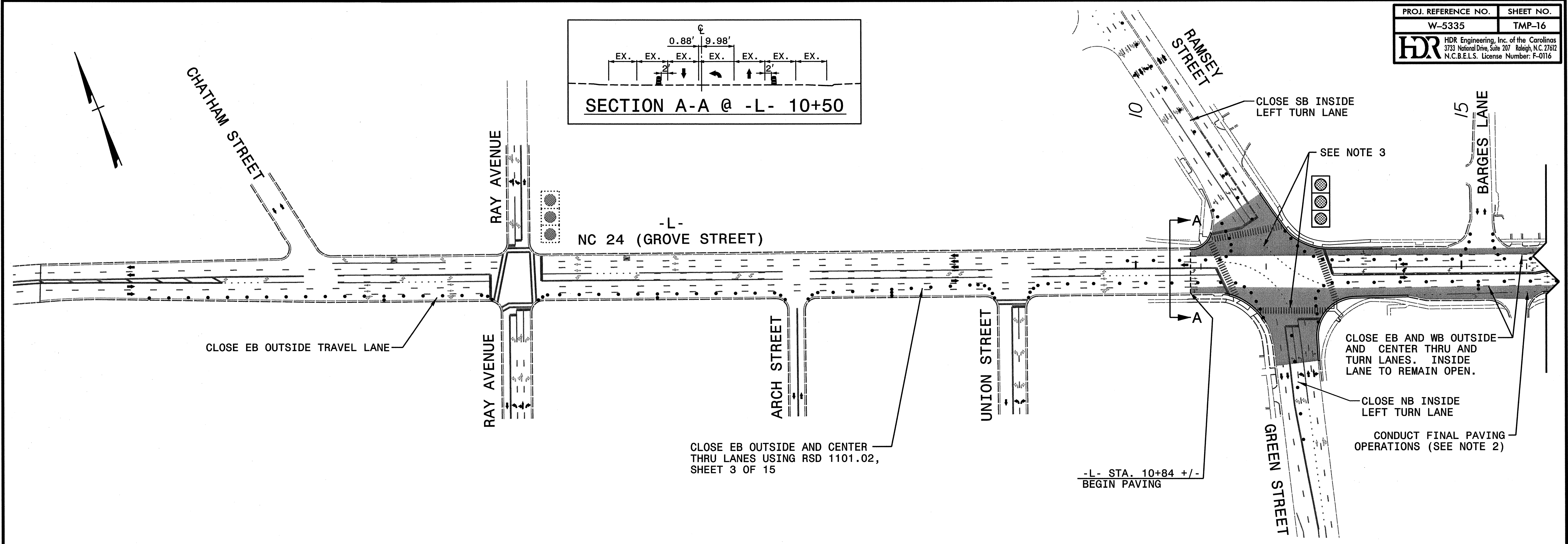
APPROVED: \_\_\_\_\_ DATE: 3/29/13

AREAS 1 & 2 (-L-)  
 PHASE 3  
 INSIDE DOUBLE  
 LANE CLOSURE

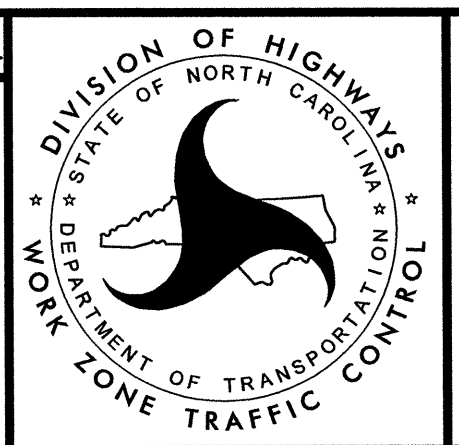
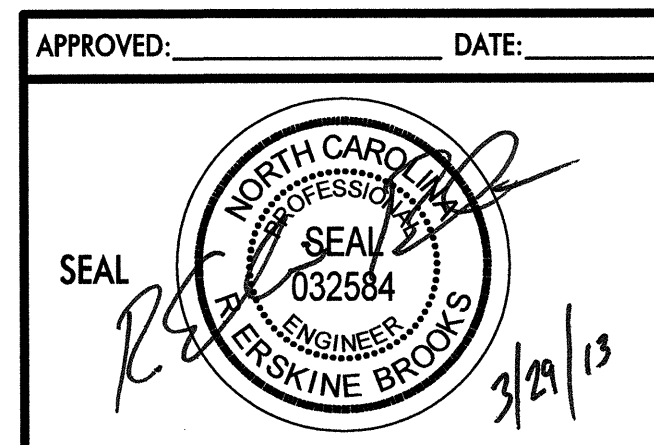
PLOT DRIVER: NCDOT\_pdf\_color\_eng\_50.plt  
 USER: charnden  
 FILE: ...\\TCP\\W5335\_TMP\_TMP-15.dgn  
 PENTABLE: NCDOT\_tcp\_Conven.tbl  
 DATE: 3/29/2013  
 TIME: 11:27:02 AM





- NOTES:
- FOR RSD 1101.02, SHEETS 3 OF 15, ADJUST LOCATION OF CMS AS DIRECTED BY THE ENGINEER.
  - ALL FINAL PAVING OPERATIONS SHALL BE COMPLETED AT NIGHT FROM 9:00 PM TO 6:00 AM MONDAY THRU FRIDAY OR 9:00 PM TO 9:00 AM SATURDAY & SUNDAY.
  - LAW ENFORCEMENT TO BE USED AT ALL SIGNALIZED INTERSECTIONS WHEN CONDUCTING PAVING OPERATIONS THROUGH INTERSECTIONS.

PLOT DRIVER: NCDOT\_pdf\_color\_eng\_50.plt  
 USER: charnden  
 FILE: ...\\TCP\\W5335\_TMP\_TMP-16.dgn  
 DATE: 3/29/2013  
 TIME: 11:29:42 AM



**AREAS 1 & 2 (-L-)**  
**PHASE 3**  
**OUTSIDE DOUBLE**  
**LANE CLOSURE**