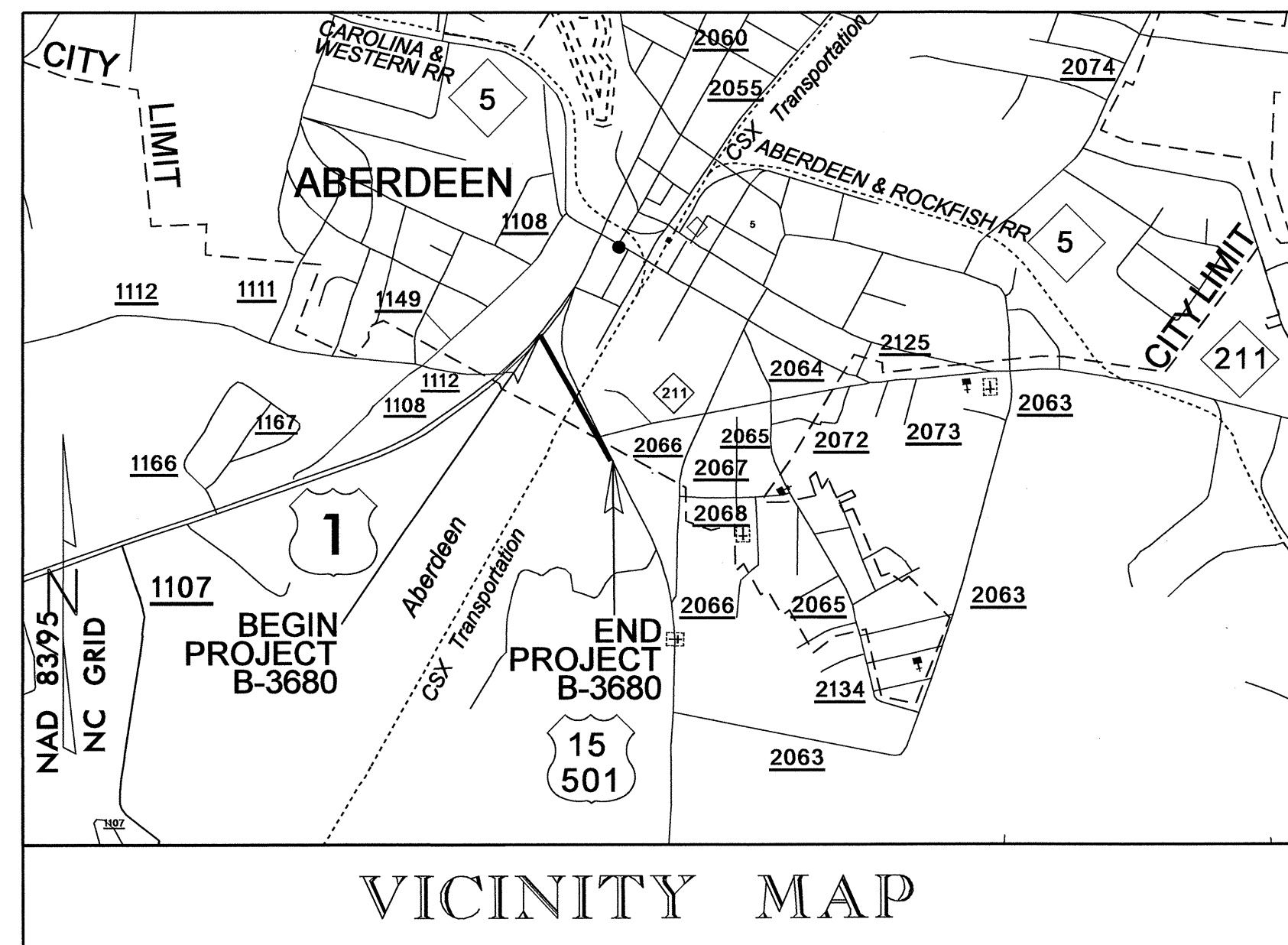
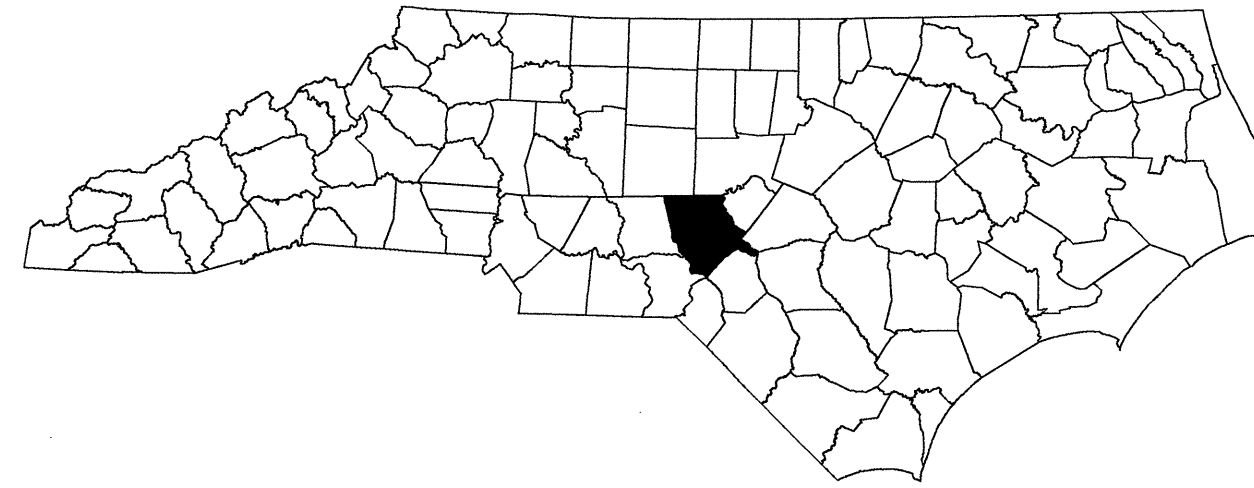


STATE OF NORTH CAROLINA
DIVISION OF HIGHWAYS

TRANSPORTATION MANAGEMENT PLAN

MOORE COUNTY



VICINITY MAP

INDEX OF SHEETS

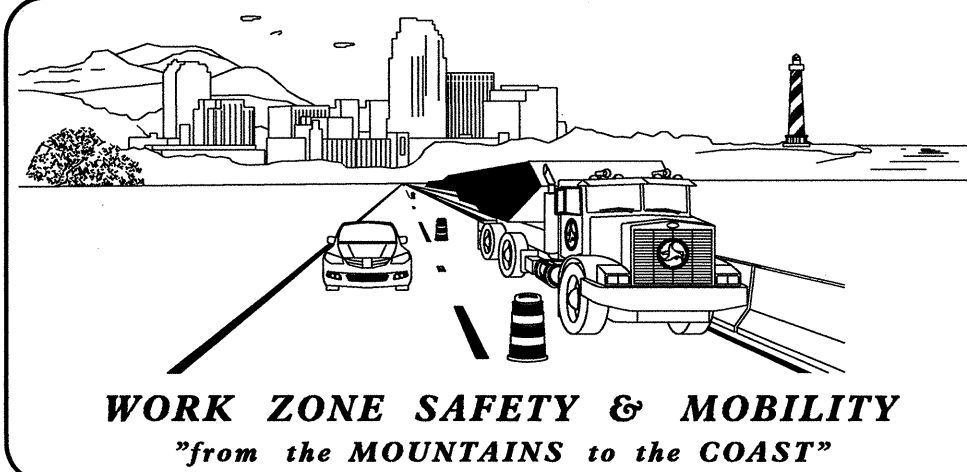
SHEET NO.	TITLE
TMP-1	TITLE SHEET, AND INDEX OF SHEETS
TMP-1A	LIST OF APPLICABLE ROADWAY STANDARD DRAWINGS, LEGEND, AND TEMPORARY PAVEMENT MARKING.
TMP-1B	GENERAL AND LOCAL NOTES
TMP-2	MANAGEMENT STRATEGIES AND PHASING
TMP-3,4	PHASE I STEP 2 DETAIL
TMP-5,6	PHASE I STEP 3 DETAIL
TMP-7,8	PHASE II STEP 1 DETAIL
TMP-9	PHASE II STEP 2 DETAIL

SHEET NO.
TMP-1

B-3680

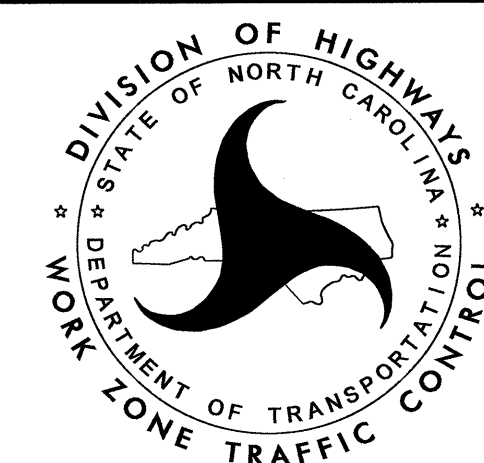
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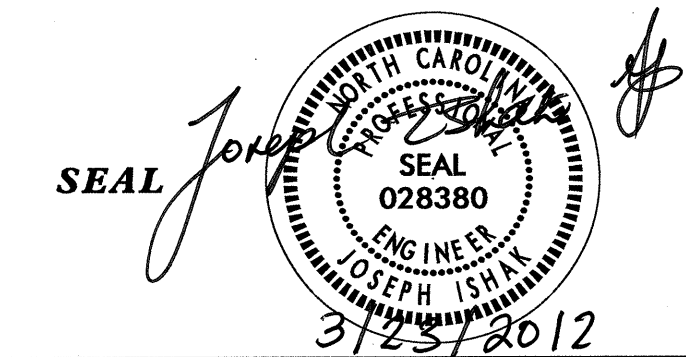


N.C.D.O.T. WORK ZONE TRAFFIC CONTROL
1561 MAIL SERVICE CENTER (MSC) RALEIGH, NC 27699-1561
750 N. GREENFIELD PARKWAY, GARNER, NC 27529 (DELIVERY)
PHONE: (919) 773-2800 FAX: (919) 771-2745

J. S. BOURNE, P.E. STATE TRAFFIC MANAGEMENT ENGINEER
J. ISHAK, P.E. TRAFFIC CONTROL PROJECT ENGINEER
TRAFFIC CONTROL PROJECT DESIGN ENGINEER
S. HASSAN TRAFFIC CONTROL DESIGN ENGINEER



APPROVED: _____
DATE: _____



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 WARNING SIGNS
1101.02	TEMPORARY LANE CLOSURES
1101.04	TEMPORARY SHOULDER CLOSURES
1101.05	WORK ZONE VEHICLE ACCESSES
1101.11	TRAFFIC CONTROL DESIGN TABLES
1110.01	STATIONARY WORK ZONE SIGNS
1110.02	PORTABLE WORK ZONE SIGNS
1115.01	FLASHING ARROW BOARDS
1130.01	DRUMS
1135.01	CONES
1145.01	BARRICADES
1150.01	FLAGGING DEVICES
1165.01	WORK VEHICLE LIGHTING SYSTEMS AND TMA DELINEATION
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
1205.08	PAVEMENT MARKINGS - SYMBOLS AND WORD MESSAGES
1205.13	PAVEMENT MARKINGS - LANE REDUCTIONS
1261.02	GUARDRAIL AND BARRIER DELINEATORS - TYPES AND MOUNTING
1262.01	GUARDRAIL END DELINEATION

LEGEND

GENERAL

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

- WORK AREA
- REMOVAL
- USER DEFINED (IF NEEDED)
- USER DEFINED (IF NEEDED)

TRAFFIC CONTROL DEVICES

- BARRICADE (TYPE III)
- CONE
- DRUM SKINNY DRUM TUBULAR MARKER
- TEMPORARY CRASH CUSHION
- FLASHING ARROW BOARD (TYPE C)
- 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

TEMPORARY PAVEMENT MARKING

SYMBOL	DESCRIPTION
PAINT (4")	
PA	WHITE EDGELINE
PC	10 FT. WHITE SKIP
PD	2 FT. WHITE MINISKIP
PE	WHITE SOLID LANE LINE
PI	YELLOW DOUBLE CENTER

PAINT (8")	
PV	YELLOW DIAGONAL

PAINT (24")	
P4	WHITE STOPBAR

PAINT PAVEMENT MARKING SYMBOLS	
QA	LEFT TURN ARROW
QB	RIGHT TURN ARROW
QC	STRAIGHT ARROW
QD	COMBO STRAIGHT / LEFT
QE	COMBO STRAIGHT / RIGHT
QI	CHARACTER

COLD APPLIED PLASTIC TYPE IV (4")	
CA	WHITE EDGELINE
CD	2 FT. WHITE MINISKIP
CI	YELLOW DOUBLE CENTER

COLD APPLIED PLASTIC TYPE IV (8")	
CV	YELLOW DIAGONAL

MARKERS	
MH	YELLOW/YELLOW
MI	CRYSTAL/RED

APPROVED:	DATE: 3/23/2012		ROADWAY STANDARD DRAWINGS & LEGEND

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 UNDESIRE 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
US 15/501 US 1	MONDAY THROUGH FRIDAY FROM 8:00 A.M. TO 10:00 A.M. AND FROM 4:00 P.M. TO 7:00 P.M.

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

ROAD NAME	HOLIDAY
ANY ROAD	<ol style="list-style-type: none"> FOR ANY UNEXPECTED OCCURRENCE THAT CREATES UNUSUALLY HIGH TRAFFIC VOLUMES, AS DIRECTED BY THE ENGINEER. FOR NEW YEAR'S, BETWEEN THE HOURS OF 8:00 A.M. DECEMBER 31st TO 7:00 P.M. JANUARY 2ND. IF NEW YEAR'S DAY IS ON A FRIDAY, SATURDAY, SUNDAY, OR MONDAY THEN UNTIL 7:00 P.M. THE FOLLOWING TUESDAY. FOR EASTER, BETWEEN THE HOURS OF 8:00 A.M. THURSDAY AND 7:00 P.M. MONDAY. FOR MEMORIAL DAY, BETWEEN THE HOURS OF 8:00 A.M. FRIDAY TO 7:00 P.M. TUESDAY. FOR INDEPENDENCE DAY, BETWEEN THE HOURS OF 8:00 A.M. THE DAY BEFORE INDEPENDENCE DAY AND 7:00 P.M. THE DAY AFTER INDEPENDENCE DAY. IF INDEPENDENCE DAY IS ON A FRIDAY, SATURDAY, SUNDAY OR MONDAY THEN BETWEEN THE HOURS OF 8:00 A.M. THE THURSDAY BEFORE INDEPENDENCE DAY AND 7:00 P.M. THE TUESDAY AFTER INDEPENDENCE DAY. FOR LABOR DAY, BETWEEN THE HOURS OF 8:00 A.M. FRIDAY AND 7:00 P.M. TUESDAY. FOR THANKSGIVING DAY, BETWEEN THE HOURS OF 8:00 A.M. TUESDAY TO 7:00 P.M. MONDAY. FOR CHRISTMAS, BETWEEN THE HOURS OF 8:00 A.M. THE FRIDAY BEFORE THE WEEK OF CHRISTMAS DAY AND 7:00 P.M. THE FOLLOWING TUESDAY AFTER THE WEEK OF CHRISTMAS.

C) DO NOT STOP TRAFFIC AS FOLLOWS:

ROAD NAME	DAY AND TIME RESTRICTIONS	DURATION AND OPERATION
ANY ROAD	MONDAY THROUGH FRIDAY FROM 6:00 A.M. TO 10:00 P.M.	15 MINUTES FOR TRAFFIC SIGNAL WORK AND TRAFFIC SHIFTS

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

LANE AND SHOULDER 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.
- H) 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.
- I) DO NOT WORK SIMULTANEOUSLY WITHIN 15 FT ON BOTH SIDES OF AN OPEN TRAVELWAY, RAMP, OR LOOP WITHIN THE SAME LOCATION UNLESS PROTECTED WITH GUARDRAIL OR BARRIER.
- J) DO NOT INSTALL MORE THAN ONE LANE CLOSURE IN ANY ONE DIRECTION ON ANY ROAD.
- K) PROVIDE TRAFFIC CONTROL FOR APPROPRIATE LANE CLOSURES FOR SURVEYING DONE BY THE DEPARTMENT.

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) 500 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) ENSURE ALL NECESSARY SIGNING IS IN PLACE PRIOR TO ALTERING ANY TRAFFIC PATTERN.
- Q) INSTALL BLACK ON ORANGE "DIP" SIGNS (W8-2) AND/OR "BUMP" SIGNS (W8-1) 500 FT IN ADVANCE OF THE UNEVEN AREA, OR AS DIRECTED BY THE ENGINEER.

TRAFFIC CONTROL DEVICES

- R) WHEN LANE CLOSURES ARE NOT IN EFFECT SPACE CHANNELIZING DEVICES IN WORKAREAS 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.
- S) PLACE TYPE III BARRICADES, WITH "ROAD CLOSED" SIGN R11-2 ATTACHED, OF SUFFICIENT LENGTH TO CLOSE ENTIRE ROADWAY.
- T) 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

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

ROAD NAME	MARKING	MARKER
ALL ROADS BRIDGE DECK	PAINT COLD APPLIED PLASTIC	TEMPORARY RAISED TEMPORARY RAISED

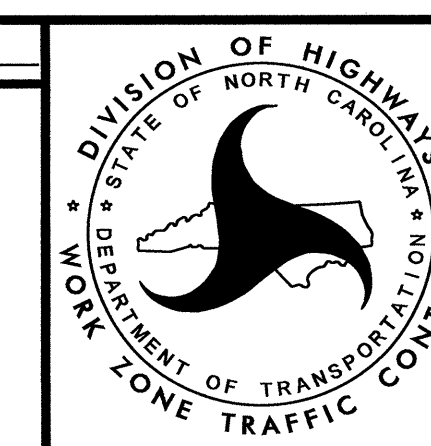
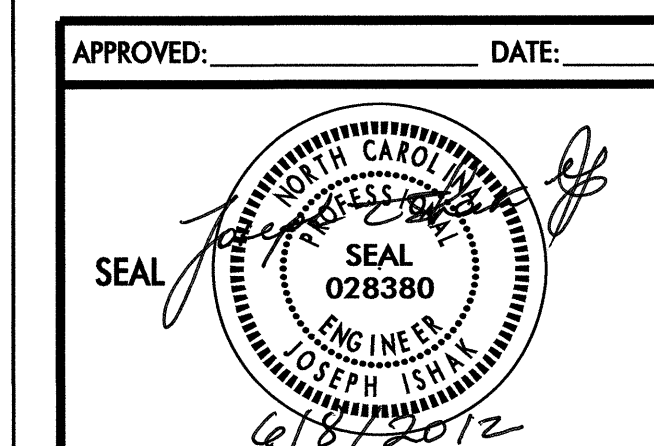
- V) PLACE ONE APPLICATION OF PAINT FOR TEMPORARY TRAFFIC PATTERNS. PLACE A SECOND APPLICATION OF PAINT SIX (6) MONTHS AFTER THE INITIAL APPLICATION AND EVERY SIX MONTHS AS DIRECTED BY THE ENGINEER.
- W) TIE PROPOSED PAVEMENT MARKING LINES TO EXISTING PAVEMENT MARKING LINES.
- X) REMOVE/REPLACE ANY CONFLICTING/DAMAGED PAVEMENT MARKINGS AND MARKERS BY THE END OF EACH DAY'S OPERATION.
- Y) TRACE THE EXISTING AND PROPOSED MONOLITHIC ISLAND LOCATIONS WITH PROPER COLOR PAVEMENT MARKINGS PRIOR TO REMOVAL AND INSTALLATION. PLACE DRUMS TO DELINEATE ANY EXISTING AND PROPOSED MONOLITHIC ISLANDS AFTER REMOVAL AND BEFORE INSTALLATION.

MISCELLANEOUS

- Z) LAW ENFORCEMENT SHALL BE USED TO MAINTAIN TRAFFIC THROUGH THE WORK AREA AND/OR INTERSECTIONS AS DIRECTED BY THE ENGINEER.
- AA) IN THE EVENT A DRIVEWAY 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), 500 FT AND 1000 FT, RESPECTIVELY, IN ADVANCE OF THE UNEVEN AREAS. USE DRUMS TO DELINEATE THE EDGE OF ROADWAY ALONG UNPAVED AREAS.

LOCAL NOTES

- A) CONTRACTOR SHALL COORDINATE WITH RAILROAD PERSONNEL PRIOR TO CONSTRUCTION/REMOVAL OVER RAILROAD RIGHT-OF-WAY.



GENERAL AND
LOCAL NOTES

PHASING

PROJ. REFERENCE NO.	SHEET NO.
B-3680	TMP-2

MAINTAIN ACCESS TO ALL RESIDENCES AND BUSINESSES WITHIN THE PROJECT LIMITS. COORDINATE WITH RAILROAD PERSONNEL PRIOR TO CONSTRUCTION/REMOVAL OVER RAILROADS.

MANAGEMENT STRATEGIES

THE FOLLOWING LISTED STRATEGIES DERIVE FROM DETAILED DESIGN LEVEL ASSESSMENTS OF THE WORK ZONE IMPACTS CONDUCTED DURING THE DEVELOPMENTAL STAGES OF THIS TRANSPORTATION MANAGEMENT PLAN (TMP).

RECOMMEND MANAGEMENT STRATEGIES RELATIVE TO THIS TMP ARE AS FOLLOWS:

- FOUR-LANE DIVIDED TWO-WAY TRAFFIC PATTERN.
TRAFFIC TO BE MAINTAINED ON BOTH DIRECTIONS OF US 1 WHEN POSSIBLE.
- TWO-LANE TWO-WAY TRAFFIC PATTERN.
TRAFFIC TO BE MAINTAINED ON BOTH DIRECTIONS OF US 15/501 AND NC 211 WHEN POSSIBLE.
- ONE-LANE TWO-WAY TRAFFIC PATTERN.
TRAFFIC TO BE MAINTAINED ON US 15/501 AND NC 211 UTILIZING FLAGGERS AS NECESSARY.
- TWO/THREE-LANE TWO-WAY TRAFFIC PATTERN.
TRAFFIC TO BE MAINTAINED ON BOTH DIRECTIONS OF US 1 UTILIZING LANE CLOSURES AS NECESSARY.

PHASE I

STEP 1: INSTALL WORK ZONE TRAFFIC CONTROL DEVICES USING ROADWAY STANDARD DRAWING 1101.01, SHEETS 2 AND 3 OF 3.

STEP 2: -AWAY FROM TRAFFIC, COMPLETE THE FOLLOWING (SEE ROADWAY, STRUCTURES, AND HYDRO PLANS; AND SHEETS TMP-3 AND TMP-4):

-CONSTRUCT DRAINAGE AND PROPOSED -L- UP TO BUT NOT INCLUDING FINAL LAYER OF SURFACE COURSE FROM STA. 10+35 +/- TO -L- STA. 20+00 +/- . CONSTRUCT A MINIMUM 41' WIDTH OF PROPOSED TRAVEL LANES FROM -L- STA. 20+00 +/- TO -L- STA. 22+77 +/- TO ALLOW TRAFFIC SHIFT FOR BOTH DIRECTIONS IN PHASE II.

-CONSTRUCT PROPOSED STRUCTURE NO. 2 AND APPROACHES FROM -L- STA. 17+21 +/- TO -L- STA. 19+82 +/- .

-USING ROADWAY STANDARD DRAWING 1101.02, SHEETS 1 OF 15, COMPLETE THE FOLLOWING (SEE ROADWAY AND HYDRO PLANS; AND SHEETS TMP-3 AND TMP-4):

-CONSTRUCT PROPOSED DRAINAGE AND WIDENING ALONG -Y1- FROM STA. 10+62 +/-, RT., TO STA. 14+32 +/-, RT., AND PROPOSED -L- FROM STA. 24+25 +/-, LT., TO STA. 25+14 +/-, LT.

-BEGIN CONSTRUCTION OF PROPOSED -L- FROM STA. 25+14 +/-, RT., TO STA. 33+57 +/-, RT., AND TIE IN TO EXISTING US 15/501.

-USING ROADWAY STANDARD DRAWING 1101.02, SHEETS 3 OF 15, REMOVE EXISTING GUARDRAIL, CONSTRUCT CURB AND GUTTER, AND INSTALL PROPOSED GUARDRAIL FROM -Y2- STA. 15+49 +/-, LT., TO -Y2- STA. 19+95 +/-, LT. (SEE ROADWAY PLANS AND TMP-3)

-BEGIN SIGNAL INSTALLATION AT THE INTERSECTIONS OF -L- AT BOTH -Y1- AND -Y2- .

STEP 3: -USING ROADWAY STANDARD DRAWING 1101.02, SHEETS 3 AND/OR 7 OF 15, PERFORM THE FOLLOWING (SEE ROADWAY AND HYDRO PLANS, AND TMP-5):

1) REMOVE EXISTING TRAFFIC ISLAND ON -Y2- FROM STA. 15+34 +/- TO STA. 18+10 +/-, AND CONSTRUCT PROPOSED ROADWAY WITH KEYED IN TRAFFIC ISLAND UP TO BUT NOT INCLUDING FINAL LAYER OF SURFACE COURSE. PLACE TEMPORARY PAVEMENT MARKINGS ON -Y2- AS SHOWN ON FINAL PAVEMENT MARKING PLANS, AND COMPLETE SIGNAL INSTALLATION AT INTERSECTION OF -L- AND -Y2- .

2) COMPLETE PROPOSED -L- AND TIE IN TO -Y2- .

-USING ROADWAY STANDARD DRAWING 1101.02, SHEETS 1 OF 15, PERFORM THE FOLLOWING (SEE ROADWAY AND HYDRO PLANS, AND TMP-6):

1) REMOVE EXISTING GUARDRAIL ALONG THE RIGHT SIDE OF EXISTING US 15/501 FROM -L- STA. 19+14 +/- TO -L- STA. 25+22 +/- . IMMEDIATELY REPLACE SLOPE WITH FILL AS SHOWN ON TMP-6.

2) REMOVE EXISTING TRAFFIC ISLAND ON -Y1- . CONSTRUCT LEFT SHOULDER OF -Y1- FROM STA. 11+95 +/- TO STA. 14+32 +/- . IN A CONTINUOUS MANNER, WEDGE -Y1- FROM STA. 10+15 +/- TO STA. 14+32 +/- UP TO BUT NOT INCLUDING FINAL LAYER OF SURFACE COURSE; WEDGE -L- FROM STA. 25+05 +/- TO STA. 33+57 +/- TO EXISTING US 15/501, NOT INCLUDING FINAL LAYER OF SURFACE COURSE. PLACE TEMPORARY PAVEMENT MARKINGS AND MARKERS ON -L- AND -Y1- AS SHOWN ON TMP-7 AND TMP-8.

PHASE II

STEP 1: A) WORKING IN A CONTINUOUS MANNER; AND USING LAW ENFORCEMENT, AS NEEDED; CLOSE EXISTING US 15/501 AND SHIFT TRAFFIC ON TO PROPOSED -L- AS SHOWN ON TMP-7 AND TMP-8. DEACTIVATE AND COVER EXISTING SIGNAL ON -Y2- , THEN UNCOVER AND ACTIVATE PROPOSED SIGNALS COMPLETED AT THE INTERSECTION OF -L- AND -Y2- .

B) -USING ROADWAY STANDARD DRAWING 1101.02, SHEET 3 OF 15, CONSTRUCT AND TIE IN RIGHT-TURN LANE UP TO BUT NOT INCLUDING FINAL LAYER OF SURFACE COURSE ON -Y2- FROM STA. 10+80 +/- TO STA. 15+49 +/- (SEE ROADWAY PLANS AND TMP-7). PLACE TEMPORARY PAVEMENT MARKINGS AS SHOWN ON FINAL PAVEMENT MARKING PLANS.

-AWAY FROM TRAFFIC; AND USING ROADWAY STANDARD DRAWING 1101.02, SHEETS 1 AND/OR 2 OF 15, AS NEEDED; CONSTRUCT PROPOSED -L- UP TO BUT NOT INCLUDING FINAL LAYER OF SURFACE COURSE FROM STA. 19+75 +/- TO STA. 33+57 +/- AS SHOWN ON TMP-8. PLACE TEMPORARY PAVEMENT MARKINGS AS SHOWN ON FINAL PAVEMENT MARKING PLANS. COMPLETE SIGNAL INSTALLATION AT INTERSECTION OF -L- AND -Y1- .

STEP 2: A) USING ROADWAY STANDARD DRAWING 1101.02, SHEETS 1, 3, 7, 11, AND/OR 12 OF 15, WHILE WORKING IN A CONTINUOUS MANNER, PLACE TEMPORARY PAVEMENT MARKINGS ALONG ALL SECTIONS -L-, -Y1-, AND -Y2- AS SHOWN ON FINAL PAVEMENT MARKING PLANS. PLACE FINAL PAVEMENT MARKINGS ON STRUCTURE NO. 2 FROM -L- STA. 17+21 +/- TO -L- STA. 19+82 +/- AS DESIGNATED IN THE FINAL PAVEMENT MARKING PLANS. ACTIVATE AND UNCOVER PROPOSED SIGNAL AT THE INTERSECTION OF -L- AND -Y1-, AND PLACE TRAFFIC ON PROPOSED TRAFFIC PATTERN.

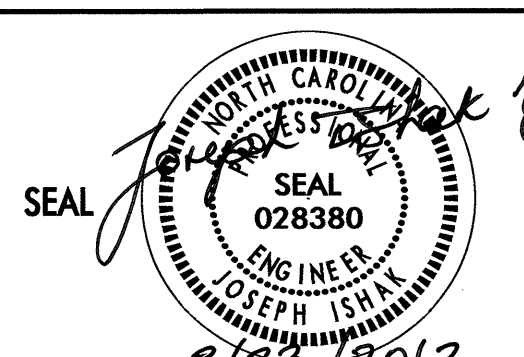

B) USING ROADWAY STANDARD DRAWING 1101.02, SHEETS 3 AND 7 OF 15, CONSTRUCT REMAINDER OF KEYED-IN TRAFFIC ISLAND FROM -Y2- STA. 14+15 +/- TO STA. 15+47 +/-, AND TIE INTO EXISTING TRAFFIC ISLAND (SEE ROADWAY PLANS AND TMP-9).

STEP 3: A) -AWAY FROM TRAFFIC REMOVE EXISTING US 15/501 AND EXISTING STRUCTURE (SEE ROADWAY PLANS).

-USING ROADWAY STANDARD DRAWING 1101.02, SHEETS 1 AND 11 OF 15, PLACE FINAL LAYER OF SURFACE COURSE AND FINAL PAVEMENT MARKINGS ON -L- AND -Y1- (SEE ROADWAY PLANS AND FINAL PAVEMENT MARKING PLANS).

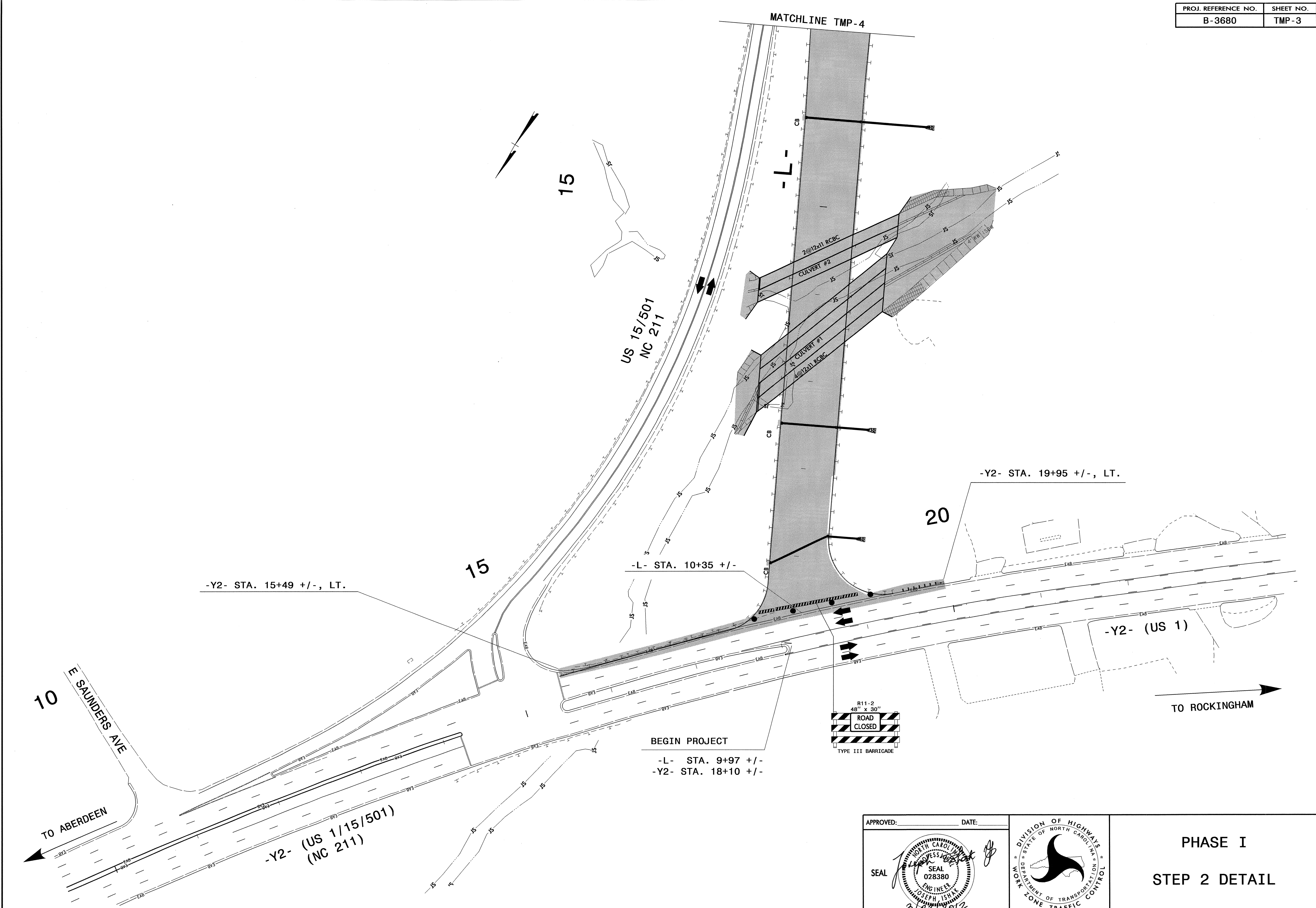
-USING ROADWAY STANDARD DRAWING 1101.02, SHEETS 3, 7, AND 12 OF 15, MILL -Y2- AS NECESSARY AND PLACE FINAL LAYER OF SURFACE COURSE AND FINAL PAVEMENT MARKINGS (SEE ROADWAY PLANS AND FINAL PAVEMENT MARKING PLANS).

STEP 3: REMOVE ALL WORK ZONE TRAFFIC CONTROL DEVICES.

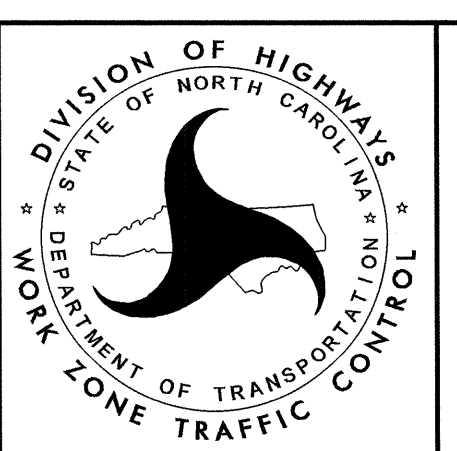
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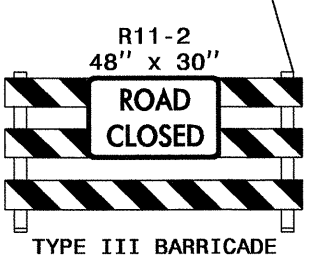
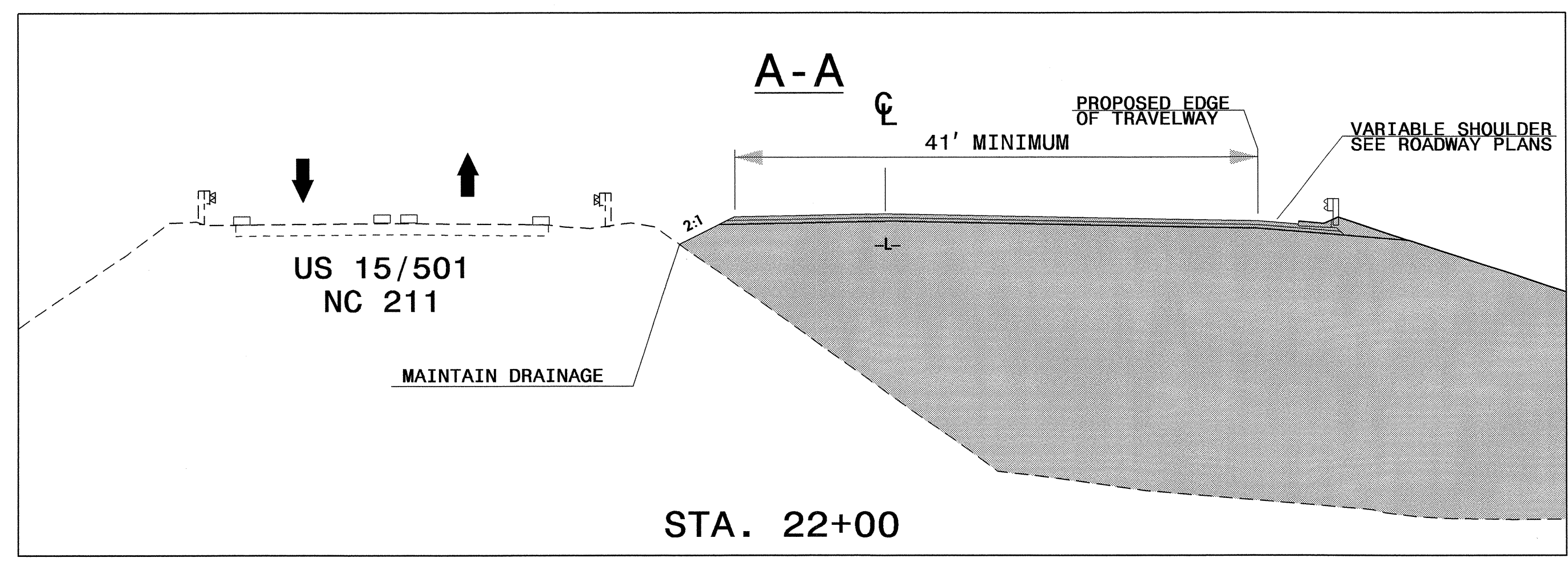
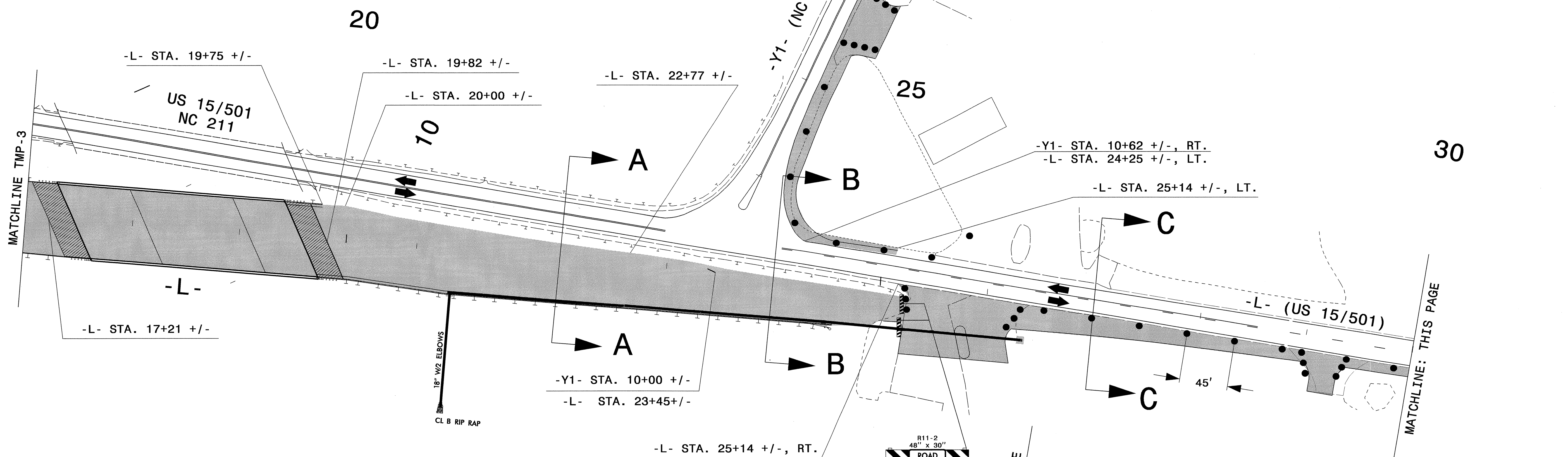
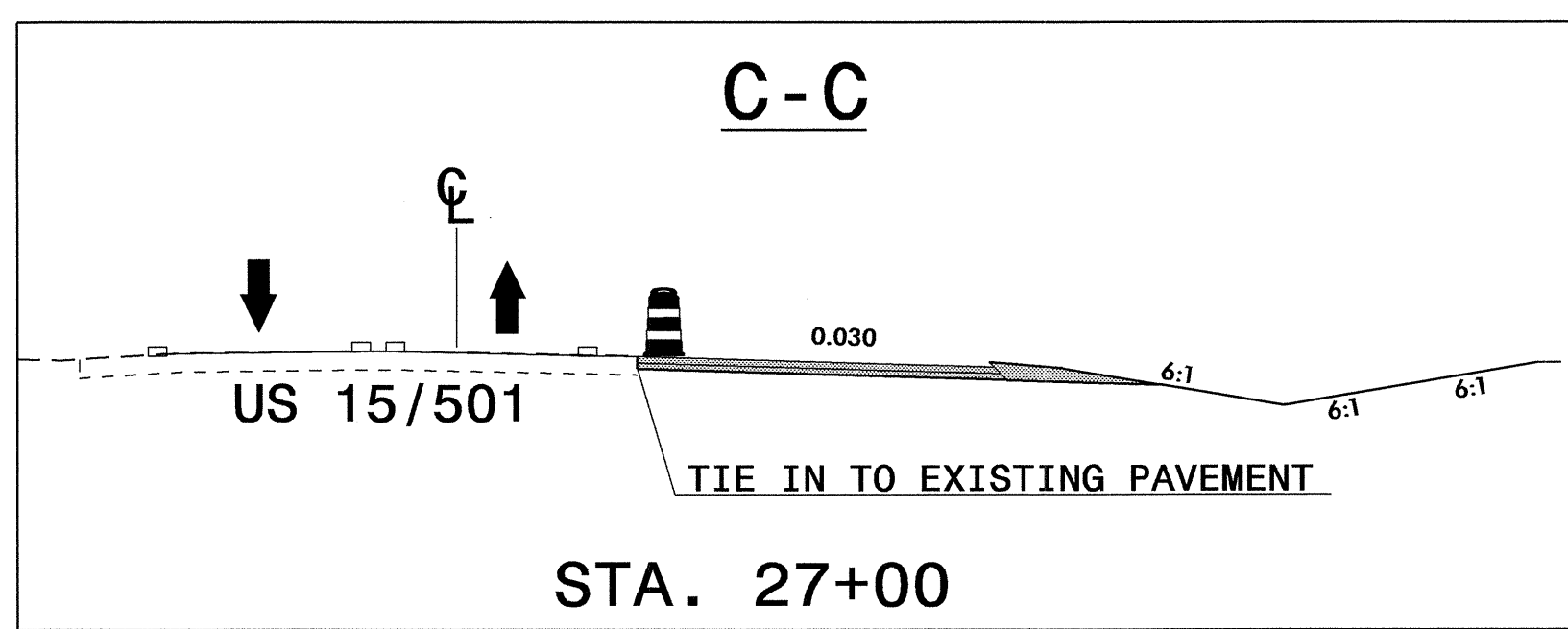
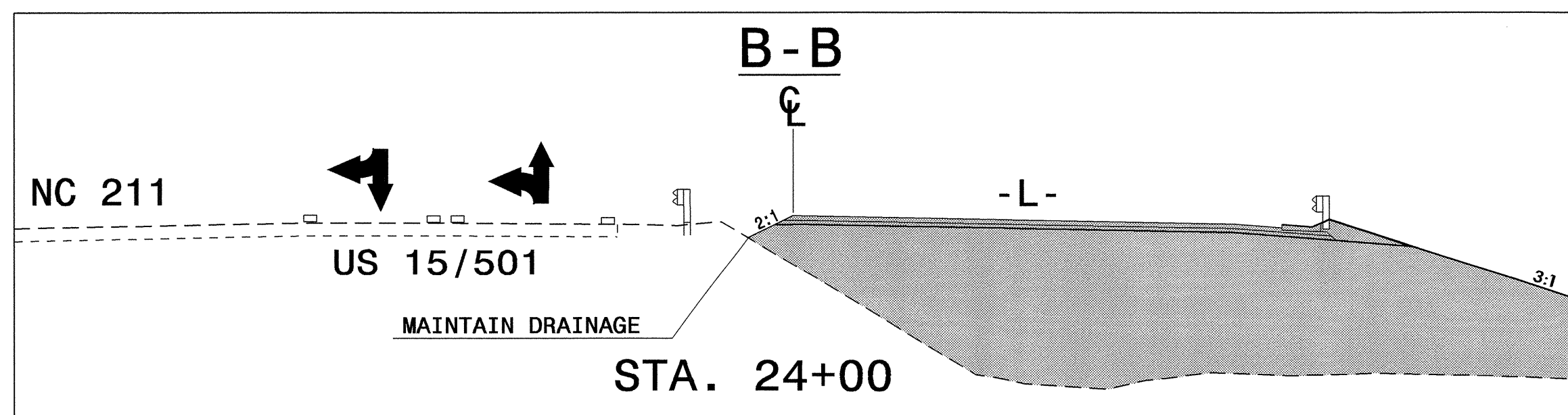
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 shasson AT TE248373



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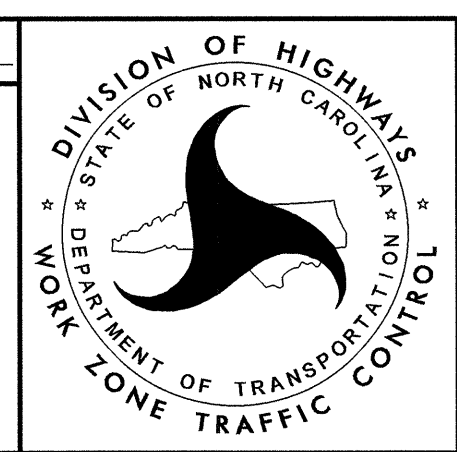
PHASE I
 STEP 2 DETAIL



APPROVED: _____ DATE: _____

SEAL

3/27/2012

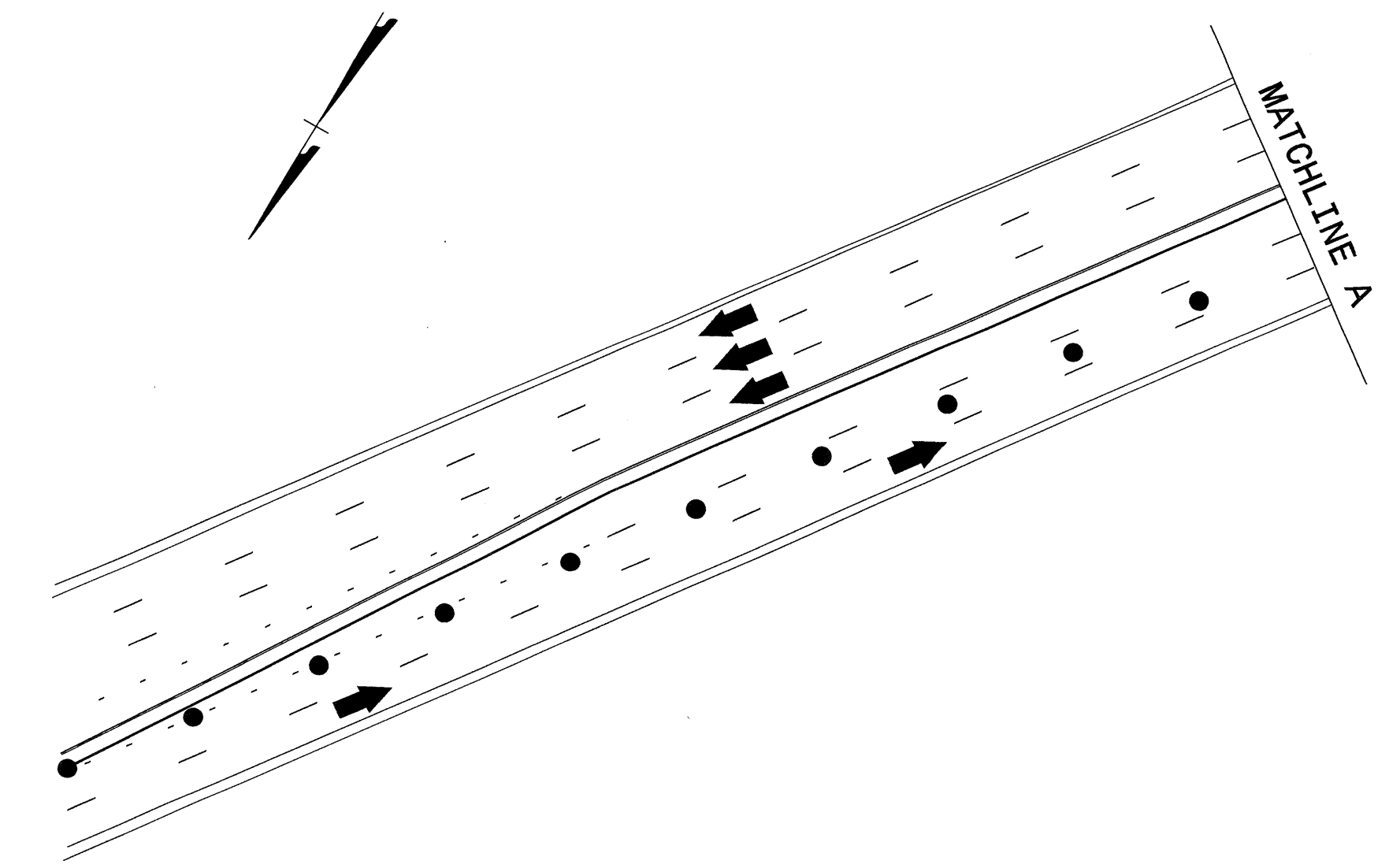


PHASE I
STEP 2 DETAIL

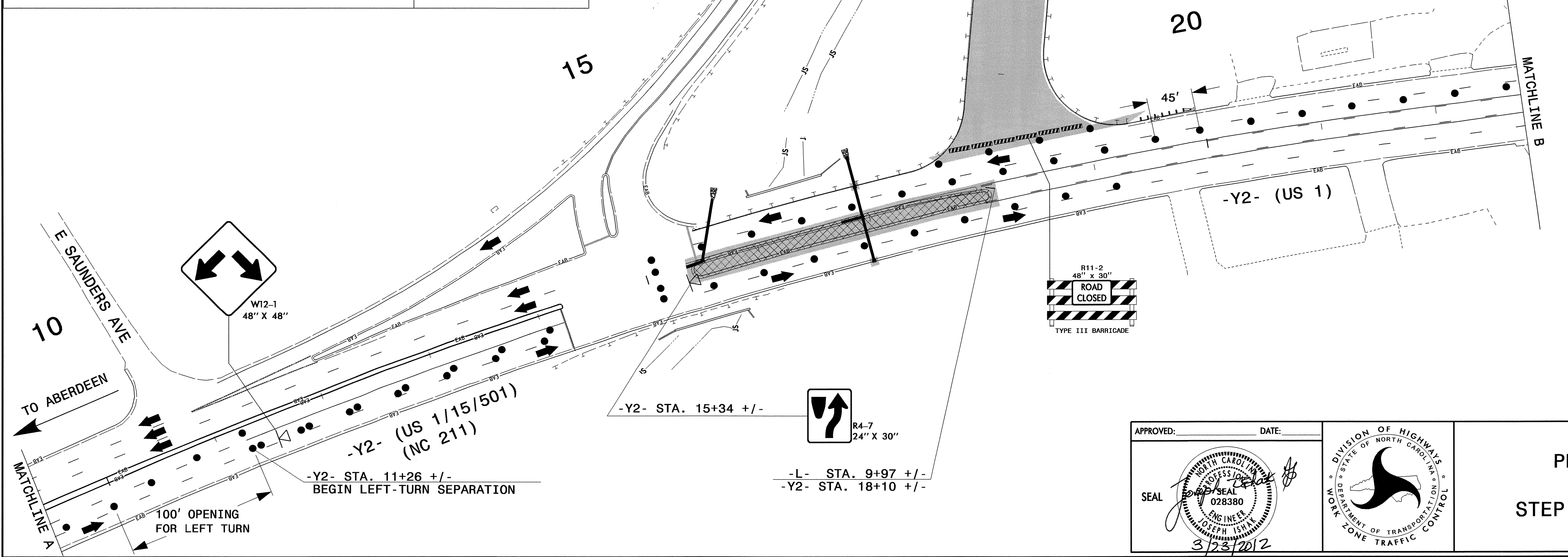
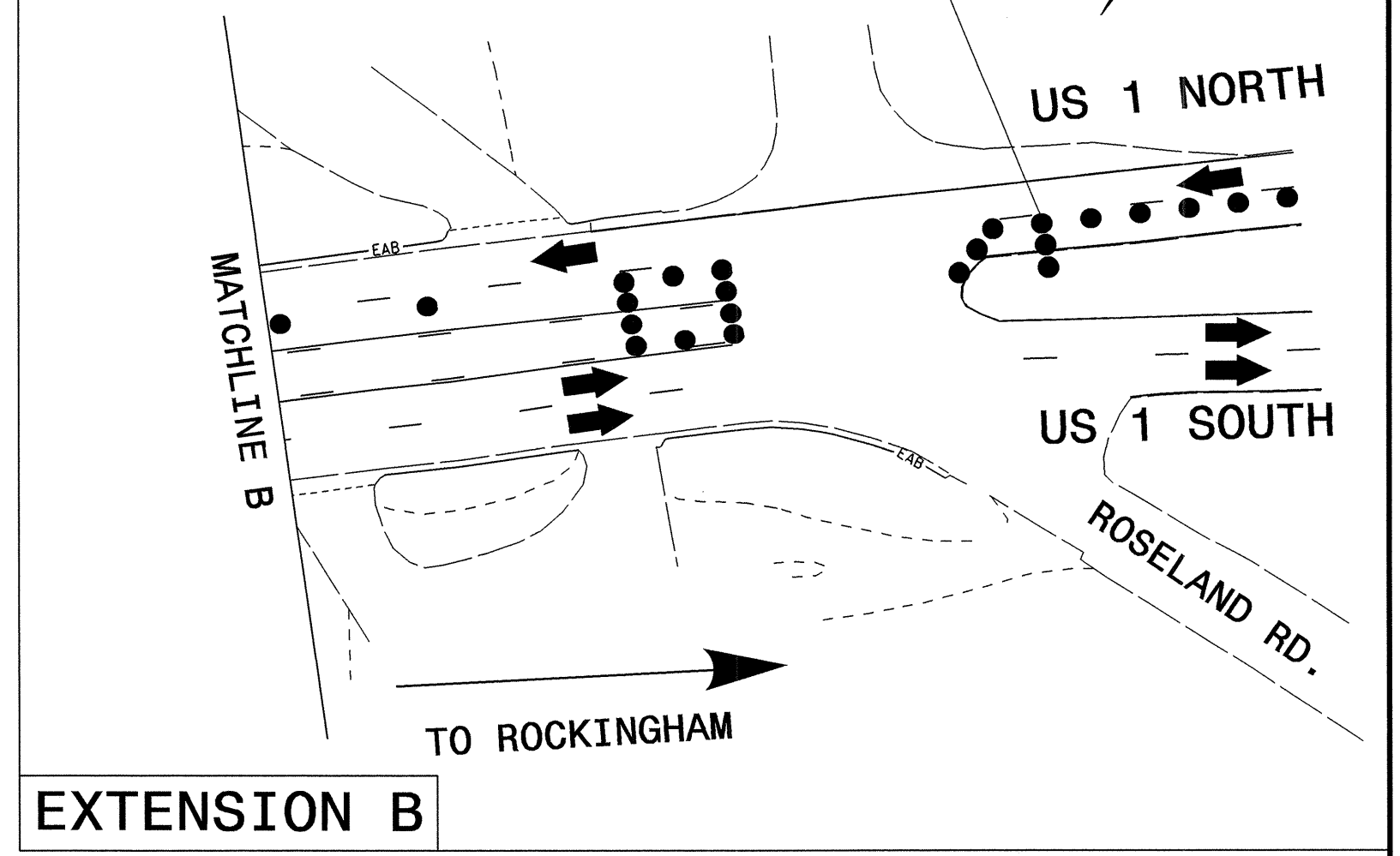
22-MAR-2012 11:28
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 shasson AT 1E248373

USING ROADWAY STANDARD DRAWING 1101.02, SHEET 3 OF 15, FOR DISTANCES AND ADVANCED WARNING SIGNS, CLOSE INNER LANES OF US 1/15/501 - NC 211 SOUTHBOUND.

USING ROADWAY STANDARD DRAWING 1101.02, SHEET 3 OF 15, PLACE 660' LEFT LANE CLOSURE TAPER ON US 1 NORTH. LEFT LANE SHALL HAVE FULL CLOSURE 200' PRIOR TO INTERSECTION AT ROSELAND RD.



EXTENSION A

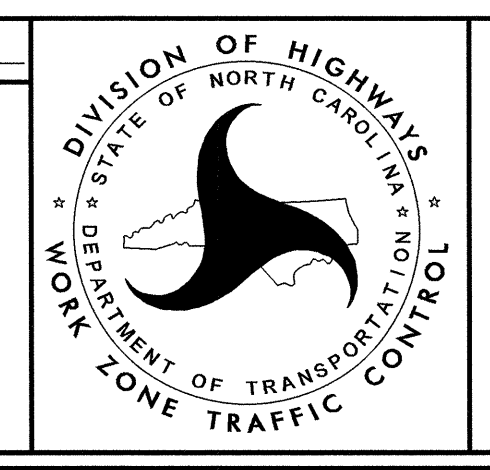


22-MAR-2012 11:28
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 shassan AT T248373

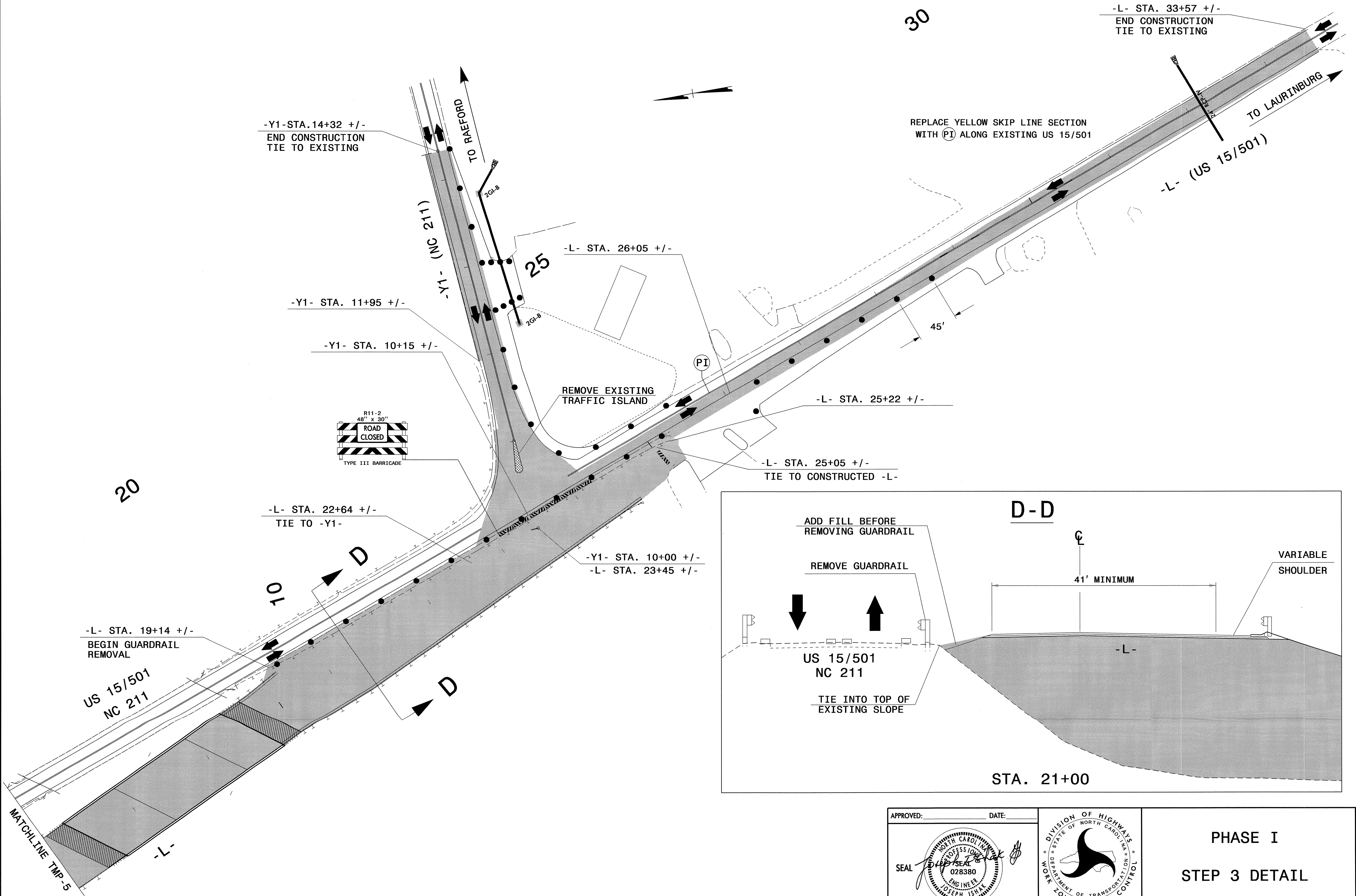
APPROVED: _____ DATE: _____

SEAL

3/23/2012



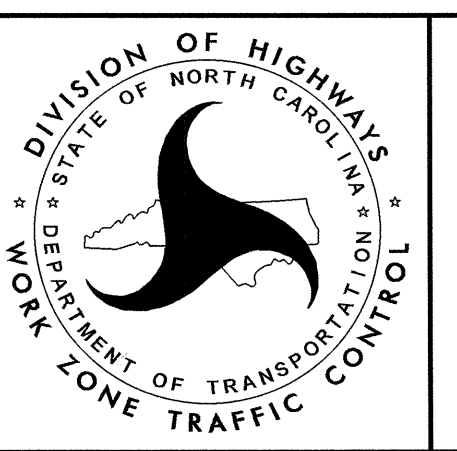
PHASE I
STEP 3 DETAIL



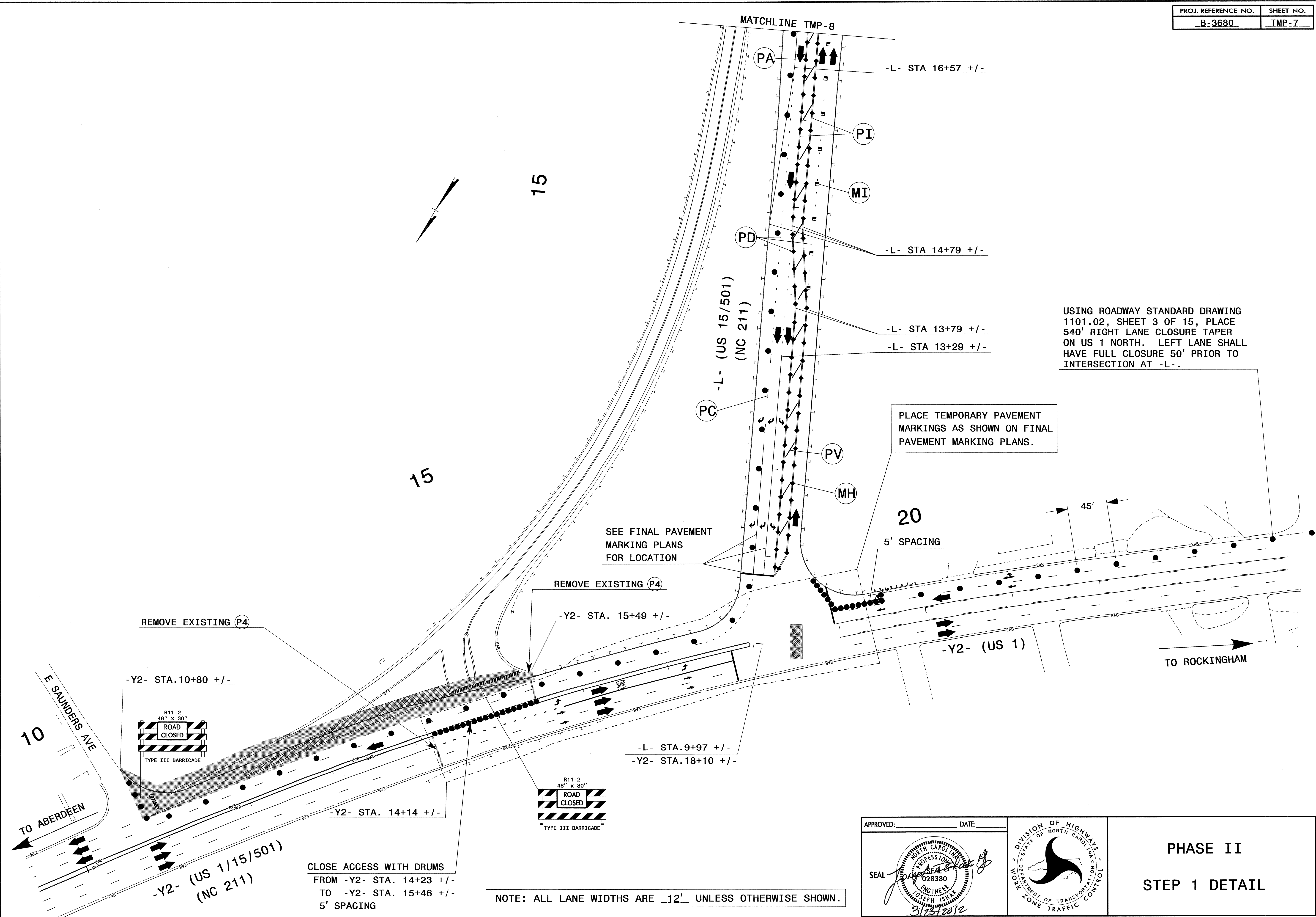
22-MAR-2012 11:28
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 shudson AI TE246373

APPROVED: _____ DATE: _____

SEAL *Joseph Isham*
 PROFESSIONAL ENGINEER
 028380
 JOSEPH ISHAM
 3/23/2012



PHASE I
 STEP 3 DETAIL

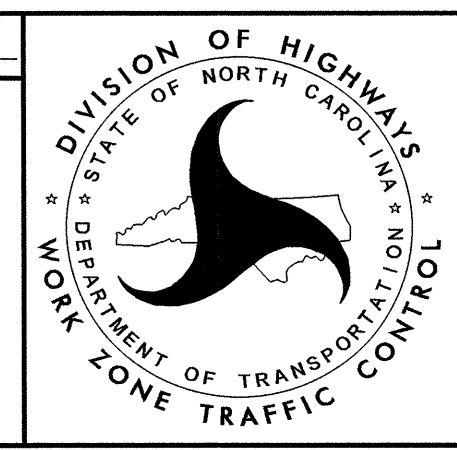


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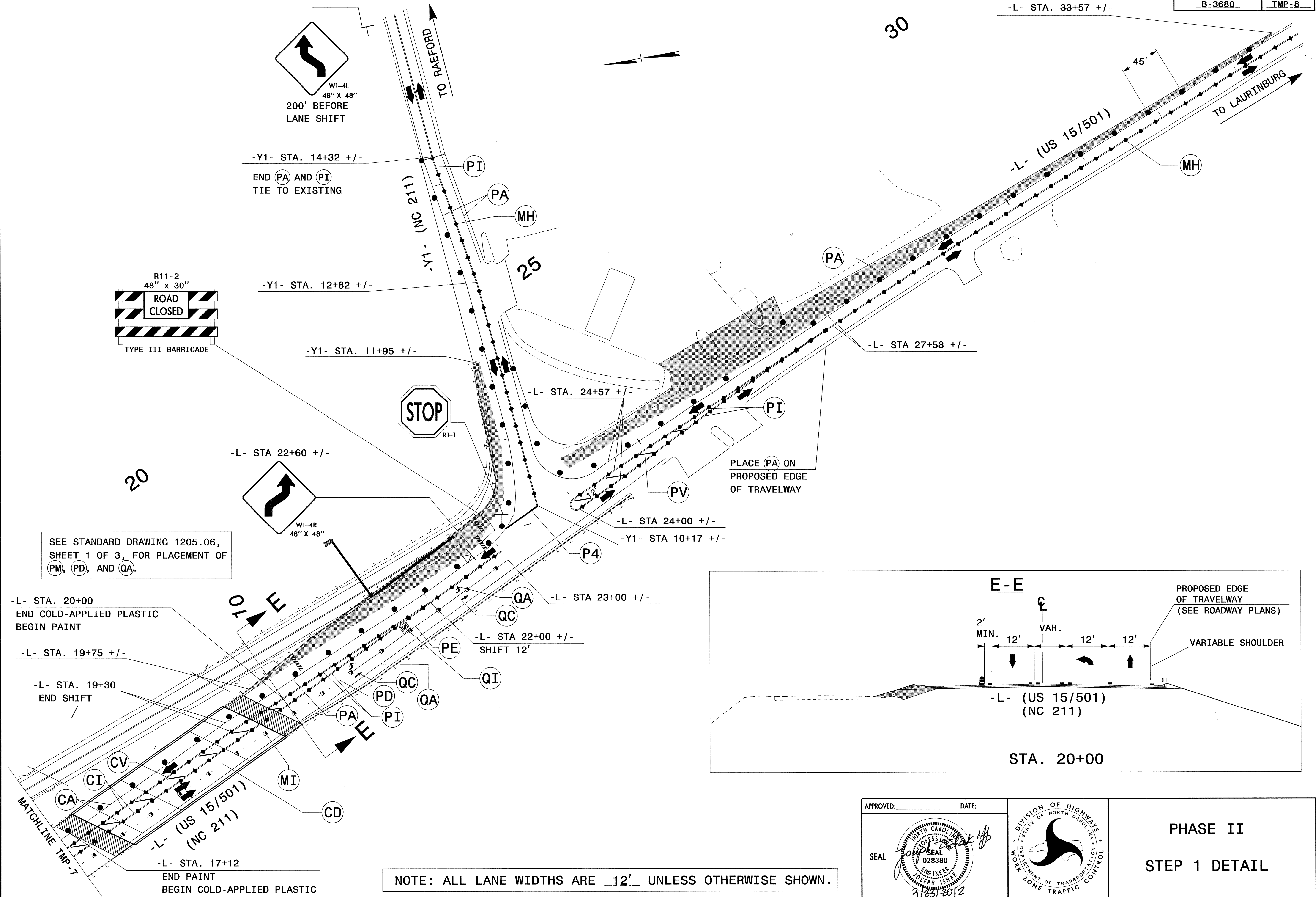
APPROVED: _____ DATE: _____

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3/23/2012



PHASE II
STEP 1 DETAIL



SEE STANDARD DRAWING 1205.06, SHEET 1 OF 3, FOR PLACEMENT OF (PM), (PD), AND (QA).

NOTE: ALL LANE WIDTHS ARE 12' UNLESS OTHERWISE SHOWN.

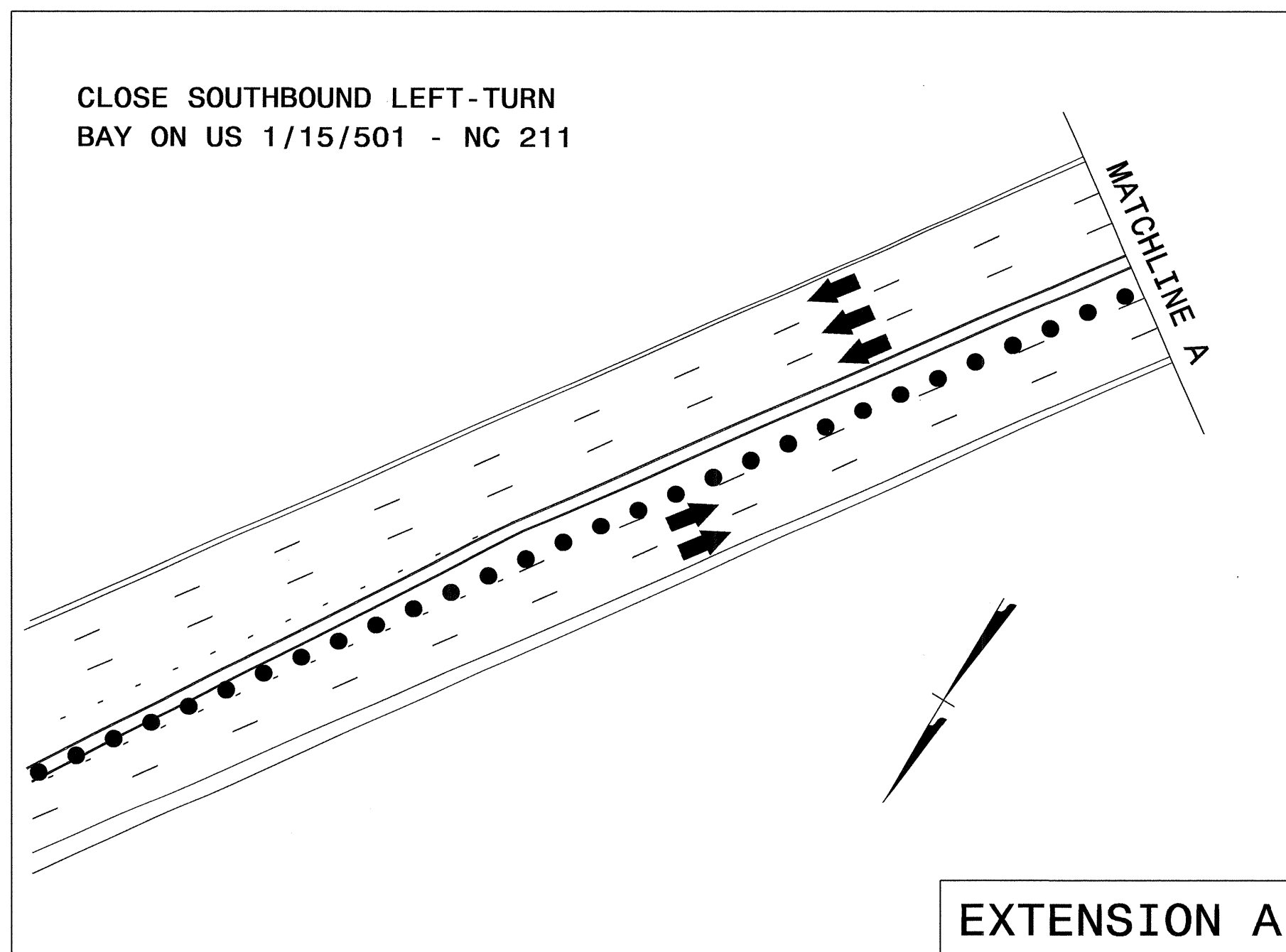
APPROVED: _____ DATE: _____

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PHASE II
STEP 1 DETAIL

22-MAR-2012 11:29
 \\dot\dfsroot\Proj\TrafficControl\TCP\2011\TCP\B3680_TCP_07b.dgn
 snassan AT TE246373

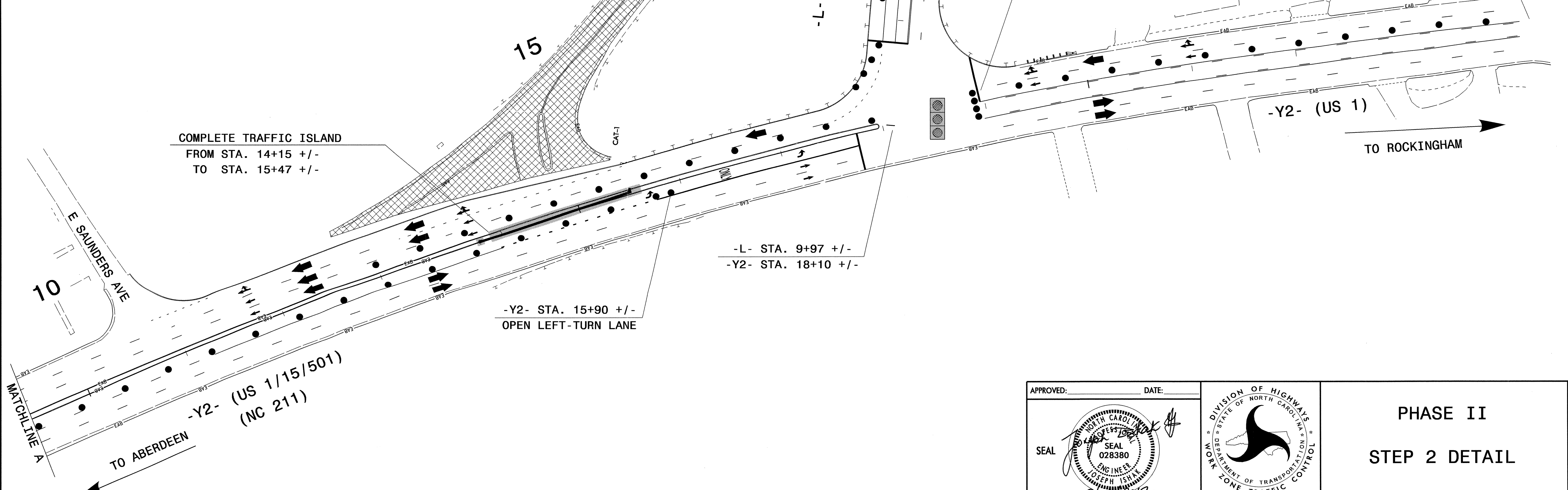
CLOSE SOUTHBOUND LEFT-TURN
BAY ON US 1/15/501 - NC 211



USING ROADWAY STANDARD DRAWING
1101.02, SHEET 3 OF 15, PLACE
540' RIGHT LANE CLOSURE TAPER
ON -L- (US 15/501 - NC 211).
BEGIN RIGHT LANE CLOSURE 200'
DOWNSTREAM FROM INTERSECTION
OF -L- AT -Y2- (NC 211).

PLACE TEMPORARY PAVEMENT
MARKINGS AS SHOWN ON FINAL
PAVEMENT MARKING PLANS.

USING ROADWAY STANDARD DRAWING
1101.02, SHEETS 3 AND 7 OF 15,
BEGIN 520' LANE CLOSURE TAPER
AT INTERSECTION OF ROSELAND RD.



COMPLETE TRAFFIC ISLAND
FROM STA. 14+15 +/-
TO STA. 15+47 +/-

-L- STA. 18+98 +/-
FULL LANE CLOSURE

20

-Y2- (US 1)

TO ROCKINGHAM

-L- STA. 9+97 +/-
-Y2- STA. 18+10 +/-

-Y2- STA. 15+90 +/-
OPEN LEFT-TURN LANE

-Y2- (US 1/15/501)
(NC 211)

TO ABERDEEN

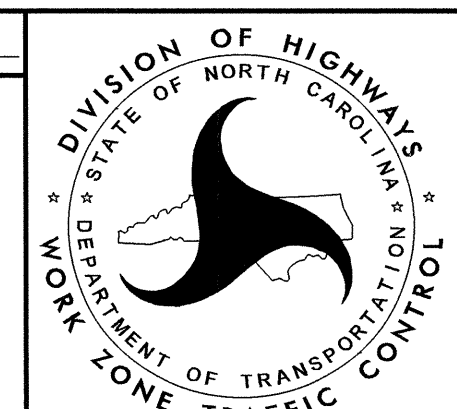
E SAUNDERS AVE

22-MAR-2012 11:29
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 shassan AT 1246373

APPROVED: _____ DATE: _____

SEAL

3/27/2012



PHASE II
STEP 2 DETAIL