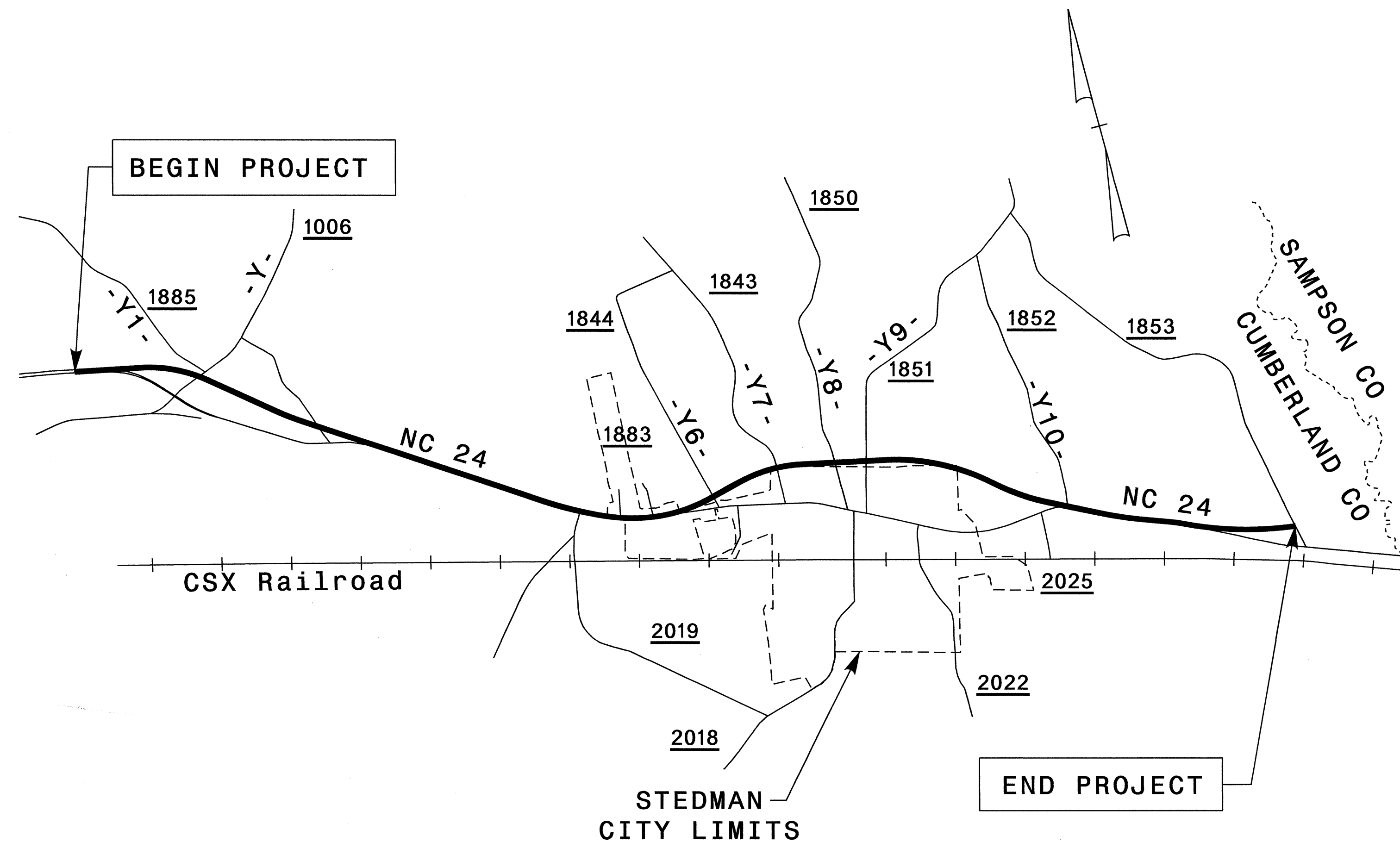
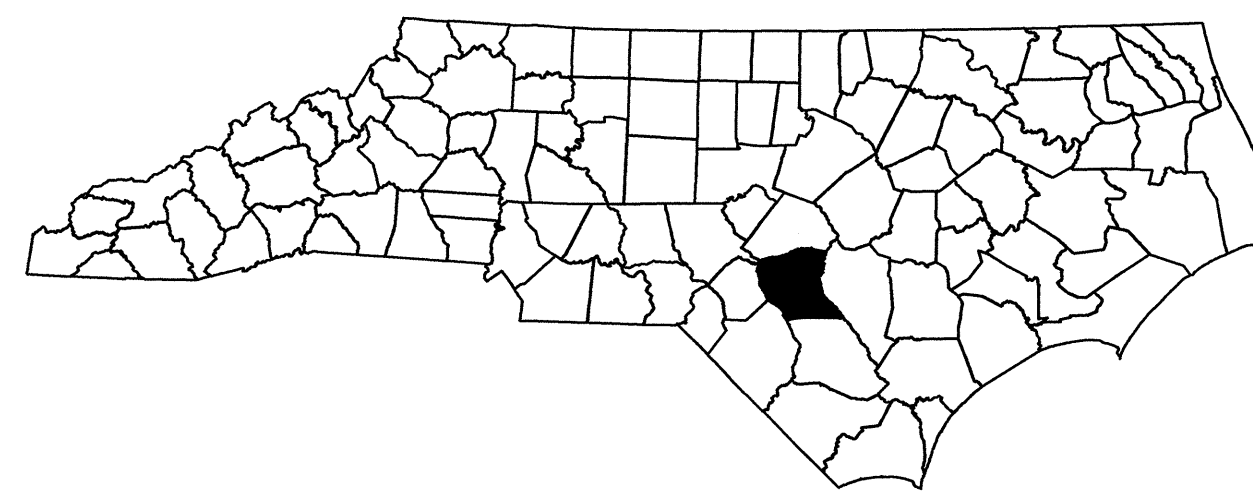


STATE OF NORTH CAROLINA
DIVISION OF HIGHWAYS

TRANSPORTATION MANAGEMENT PLAN

CUMBERLAND COUNTY



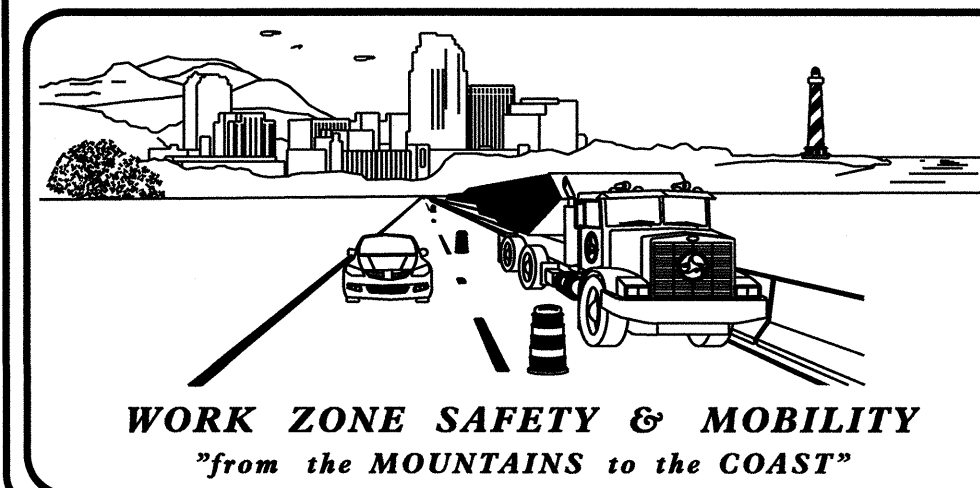
INDEX OF SHEETS	
SHEET NO.	TITLE
TMP-1	TITLE SHEET, AND INDEX OF SHEETS
TMP-1A	LIST OF APPLICABLE ROADWAY STANDARD DRAWINGS, LEGEND, AND TEMPORARY PAVEMENT MARKING
TMP-2	TRANSPORTATION OPERATIONS PLAN: (MANAGEMENT STRATEGIES, GENERAL NOTES AND LOCAL NOTES)
TMP-3	TEMPORARY TRAFFIC CONTROL PHASING
TMP-4 THRU TMP-13	TEMPORARY TRAFFIC CONTROL PHASE I DETAIL
TMP-14 THRU TMP-25	TEMPORARY TRAFFIC CONTROL PHASE II DETAIL
TMP-26 THRU TMP-32	TEMPORARY TRAFFIC CONTROL PHASE III DETAIL
TMP-33 THRU TMP-34	OFF SITE DETOUR ROUTES / SIGNS AND DEVICES
SD-1 AND SD-2	SPECIAL SIGN DESIGNS

SHEET NO.
TMP-1

R-2303A

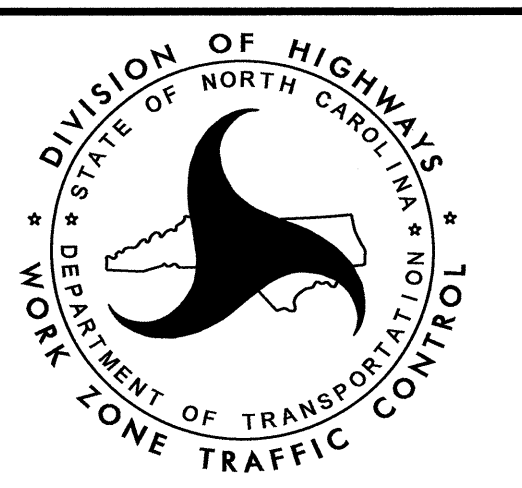
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at 12:48:316
derrichardson



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

S. BOURNE, PE STATE TRAFFIC MANAGEMENT ENGINEER
S. KITE, PE EASTERN WZTC PROJECT ENGINEER
D. PARKER EASTERN WZTC PROJECT DESIGN ENGINEER
D. RICHARDSON EASTERN WZTC DESIGN ENGINEER



APPROVED: *[Signature]*
DATE: July 3, 2012

SEAL

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
1101.03	TEMPORARY ROAD 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
1205.08	PAVEMENT MARKINGS - SYMBOLS AND WORD MESSAGES
1205.09	PAVEMENT MARKINGS - PAINTED ISLANDS
1205.10	PAVEMENT MARKINGS - SCHOOL AREAS
1205.12	PAVEMENT MARKINGS - BRIDGES
1205.13	PAVEMENT MARKINGS - LANE REDUCTIONS
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.
- 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
- 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

- PAINT 4"
- PA WHITE EDGELINE
- PB YELLOW EDGELINE
- PC 10 FT WHITE SKIP
- PD 2 FT WHITE MINI SKIP
- PE WHITE SOLID LANE LINE
- PI YELLOW DOUBLE CENTER LINE
- PAINT (8")
- PV YELLOW DIAGONAL
- PAINT (24")
- P4 WHITE STOPBAR
- PAINT CHARACTERS
- Q1 ALPHANUMERIC CHARACTERS
- PAINT SYMBOLS
- ↵ QA LEFT TURN ARROW
- ↘ QB RIGHT TURN ARROW
- QC STRAIGHT ARROW
- ↻ QT U-TURN ARROW
- TEMPORARY RAISED PAVEMENT MARKERS
- MH YELLOW AND YELLOW
- MI CRYSTAL AND RED

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APPROVED:	DATE: 7/3/12		ROADWAY STANDARD DRAWINGS & LEGEND

GENERAL NOTES

PROJ. REFERENCE NO.	SHEET NO.
R-2303A	TMP-2

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
NC 24	MONDAY THRU FRIDAY 7:00AM TO 9:00AM AND 4:00PM TO 6:00PM

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

ROAD NAME	HOLIDAY
NC 24	<ol style="list-style-type: none"> 1. FOR ANY UNEXPECTED OCCURRENCE THAT CREATES UNUSUALLY HIGH TRAFFIC VOLUMES, AS DIRECTED BY THE ENGINEER. 2. FOR NEW YEAR'S, BETWEEN THE HOURS OF 7:00 AM DECEMBER 31st TO 6:00 PM JANUARY 2ND. IF NEW YEAR'S DAY IS ON A FRIDAY, SATURDAY, SUNDAY, OR MONDAY THEN UNTIL 6:00 PM THE FOLLOWING TUESDAY. 3. FOR EASTER, BETWEEN THE HOURS OF 7:00 AM THURSDAY AND 6:00 PM MONDAY. 4. FOR MEMORIAL DAY, BETWEEN THE HOURS OF 7:00 AM FRIDAY TO 6:00 PM TUESDAY. 5. FOR INDEPENDENCE DAY, BETWEEN THE HOURS OF 7:00 AM THE DAY BEFORE INDEPENDENCE DAY AND 6:00 PM THE DAY AFTER INDEPENDENCE DAY. IF INDEPENDENCE DAY IS ON A FRIDAY, SATURDAY, SUNDAY OR MONDAY THEN BETWEEN THE HOURS OF 7:00 AM THE THURSDAY BEFORE INDEPENDENCE DAY AND 6:00 PM THE TUESDAY AFTER INDEPENDENCE DAY. 6. FOR LABOR DAY, BETWEEN THE HOURS OF 7:00 AM FRIDAY AND 6:00 PM TUESDAY. 7. FOR THANKSGIVING DAY, BETWEEN THE HOURS OF 7:00 AM TUESDAY TO 6:00 PM MONDAY. 8. FOR CHRISTMAS, BETWEEN THE HOURS OF 7:00 AM THE FRIDAY BEFORE THE WEEK OF CHRISTMAS DAY AND 6:00 PM THE FOLLOWING TUESDAY AFTER THE WEEK OF CHRISTMAS.

C) DO NOT STOP TRAFFIC AS FOLLOWS:

ROAD NAME	DAY AND TIME	DURATION AND OPERATION
NC 24	7:00 AM TO 9:00 AM AND 4:00 PM TO 6:00 PM	15 MINS 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.

LANE AND SHOULDER CLOSURE REQUIREMENTS (CONT'D)

- 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 REMAIN WITHIN THE CLOSED TRAVEL LANE.
- I) DO NOT WORK SIMULTANEOUSLY WITHIN 15 FT ON BOTH SIDES OF AN OPEN TRAVELWAY, RAMP, OR LOOP WITHIN THE SAME LOCATION UNLESS PROTECTED WITH GUARDRAIL OR BARRIER.
- J) DO NOT INSTALL MORE THAN ONE MILE OF LANE CLOSURE ON NC 24 MEASURED FROM THE BEGINNING OF THE MERGE TAPER TO THE END OF THE LANE CLOSURE.
- K) DO NOT INSTALL MORE THAN TWO SIMULTANEOUS LANE CLOSURES IN ANY ONE DIRECTION ON NC 24.
- L) PROVIDE A MINIMUM OF 500' BETWEEN LANE CLOSURES, MEASURED FROM THE END OF ONE CLOSURE TO THE FIRST SIGN OF THE NEXT LANE CLOSURE.

PAVEMENT EDGE DROP OFF REQUIREMENTS

- M) 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.
- N) 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) IN ADVANCE AND A MINIMUM OF EVERY HALF MILE THROUGHOUT THE UNEVEN AREA.

TRAFFIC PATTERN ALTERATIONS

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

SIGNING

- P) 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.
- Q) 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.
- R) 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.
- S) ENSURE ALL NECESSARY SIGNING IS IN PLACE PRIOR TO ALTERING ANY TRAFFIC PATTERN.
- T) INSTALL BLACK ON ORANGE "DIP" SIGNS (W8-2) AND/OR "BUMP" SIGNS (W8-1) 100' IN ADVANCE OF THE UNEVEN AREA, OR AS DIRECTED BY THE ENGINEER.

TRAFFIC CONTROL DEVICES

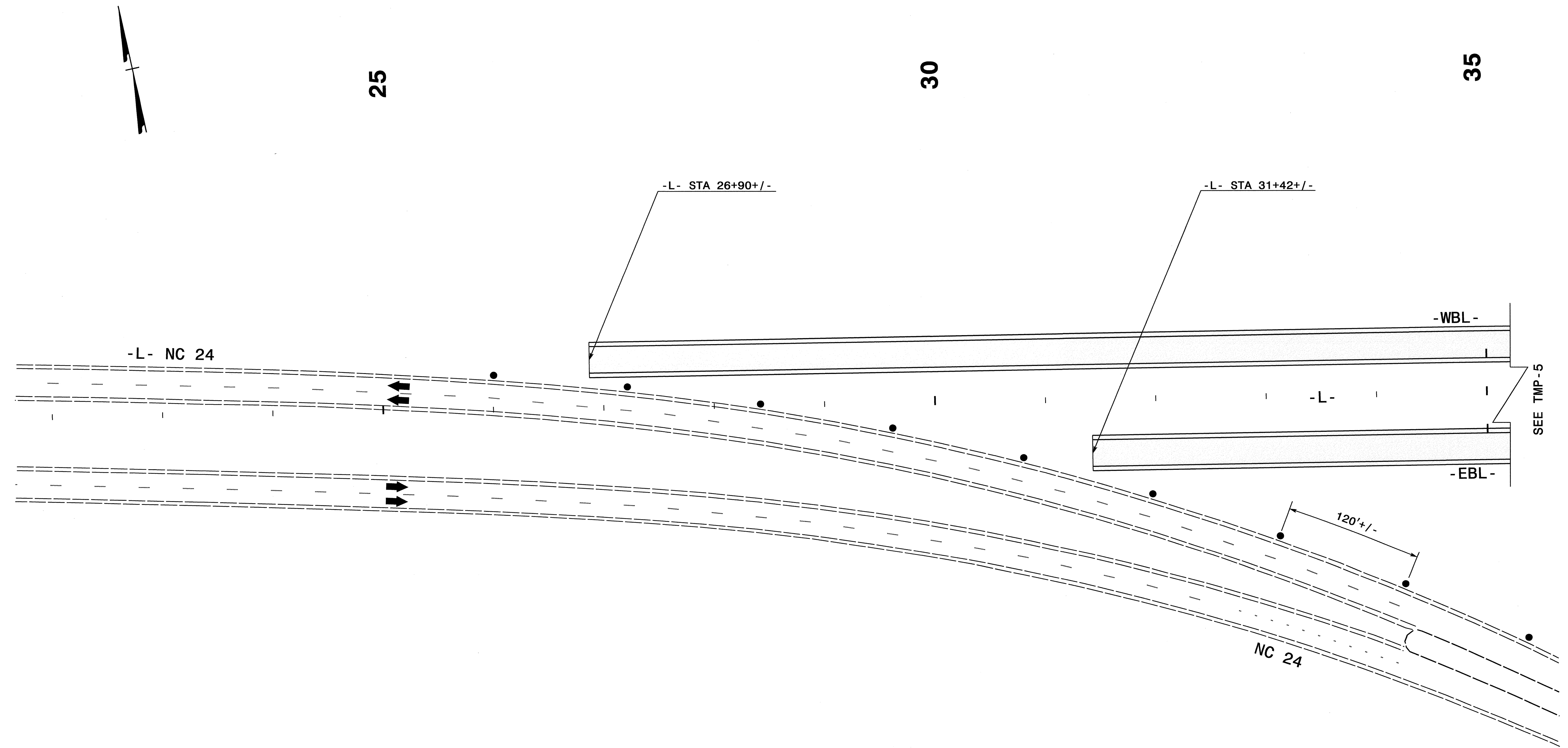
- U) WHEN LANE CLOSURES ARE NOT IN EFFECT SPACE CHANNELIZING DEVICES IN WORK AREAS NO GREATER IN FEET THAN TWICE THE POSTED SPEED LIMIT (MPH) EXCEPT, 10 FT ON-CENTER IN RADIUS, AND 3 FT OFF THE EDGE OF AN OPEN TRAVELWAY. REFER TO STANDARD SPECIFICATIONS FOR ROADS AND STRUCTURES SECTIONS 1130 (DRUMS), 1135 (CONES) AND 1180 (SKINNY DRUMS) FOR ADDITIONAL REQUIREMENTS.
- V) PLACE TYPE III BARRICADES, WITH "ROAD CLOSED" SIGN R11-2 ATTACHED, OF SUFFICIENT LENGTH TO CLOSE ENTIRE ROADWAY.
- W) 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.
- X) INSTALL TEMPORARY PAVEMENT MARKINGS AND TEMPORARY PAVEMENT MARKERS ON INTERIM LAYERS OF PAVEMENT AS FOLLOWS:
- | ROAD NAME | MARKING | MARKER |
|-----------|---------|-----------------|
| ALL ROADS | PAINT | TEMPRARY RAISED |
- Y) 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.
- Z) TIE PROPOSED PAVEMENT MARKING LINES TO EXISTING PAVEMENT MARKING LINES.
- AA) REMOVE/REPLACE ANY CONFLICTING/DAMAGED PAVEMENT MARKINGS AND MARKERS BY THE END OF EACH DAY'S OPERATION.
- BB) TRACE THE PROPOSED MONOLITHIC ISLAND LOCATIONS WITH PROPER COLOR PAVEMENT MARKINGS PRIOR TO INSTALLATION. PLACE DRUMS TO DELINEATE ANY PROPOSED MONOLITHIC ISLANDS BEFORE INSTALLATION

MISCELLANEOUS

- CC) LAW ENFORCEMENT MAY BE USED TO MAINTAIN TRAFFIC THROUGH THE WORK AREA AND/OR INTERSECTIONS AS DIRECTED BY THE ENGINEER.

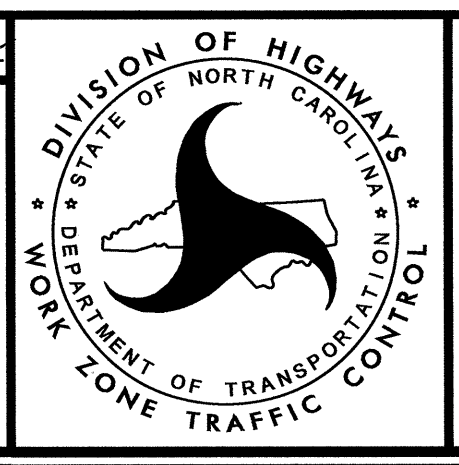
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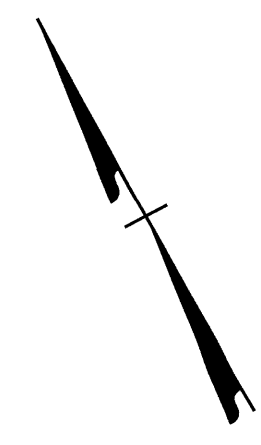
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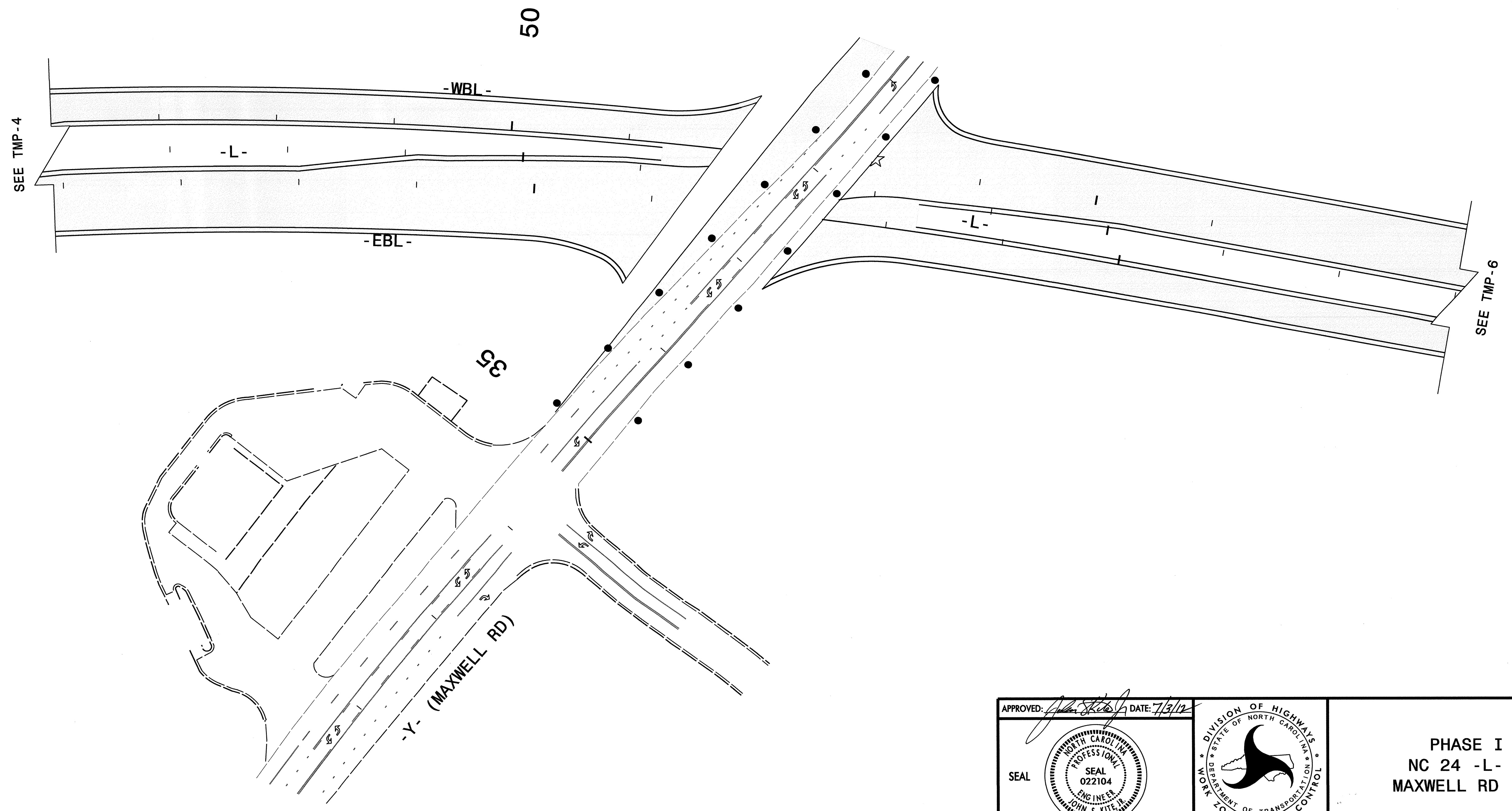


PHASE I
 NC 24 -L-

SEE TMP-5



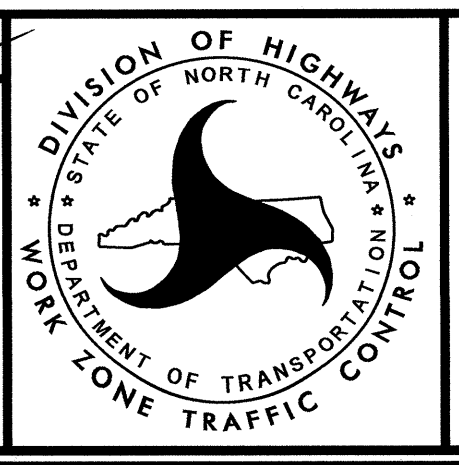
NOTE - SEE TMP-12 FOR MAXWELL RD DETAILS



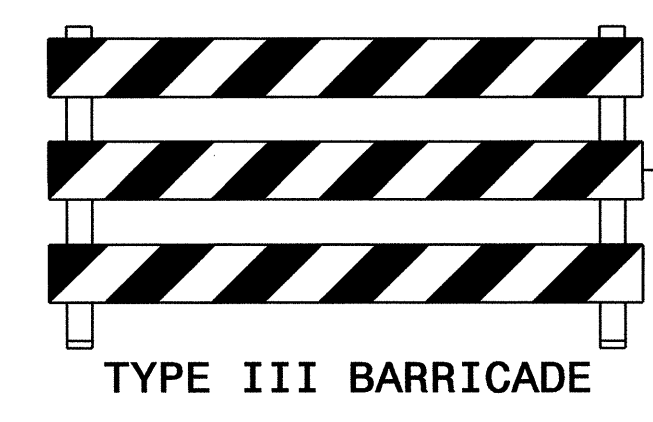
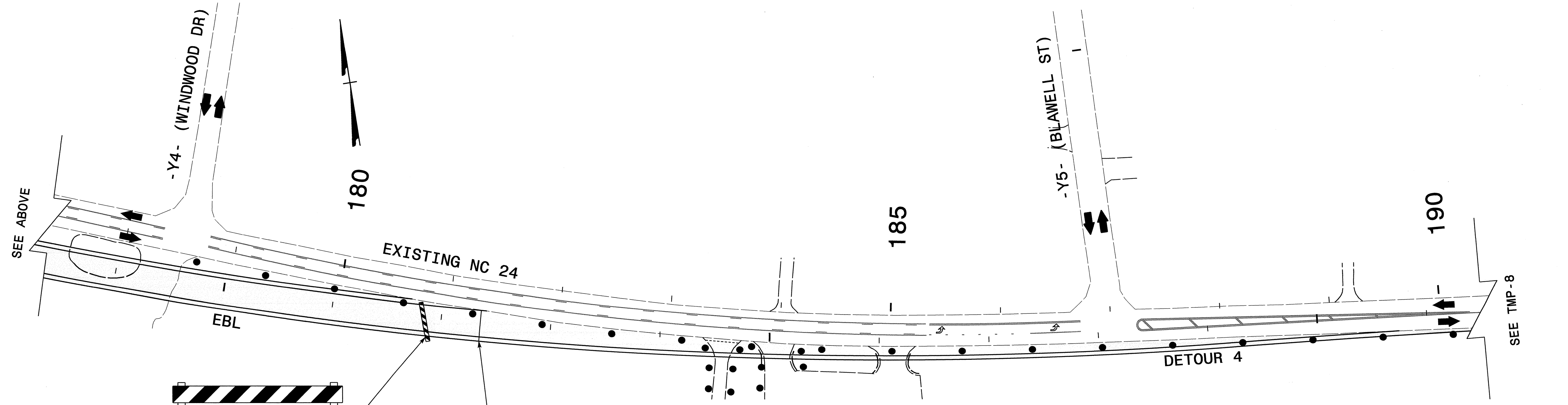
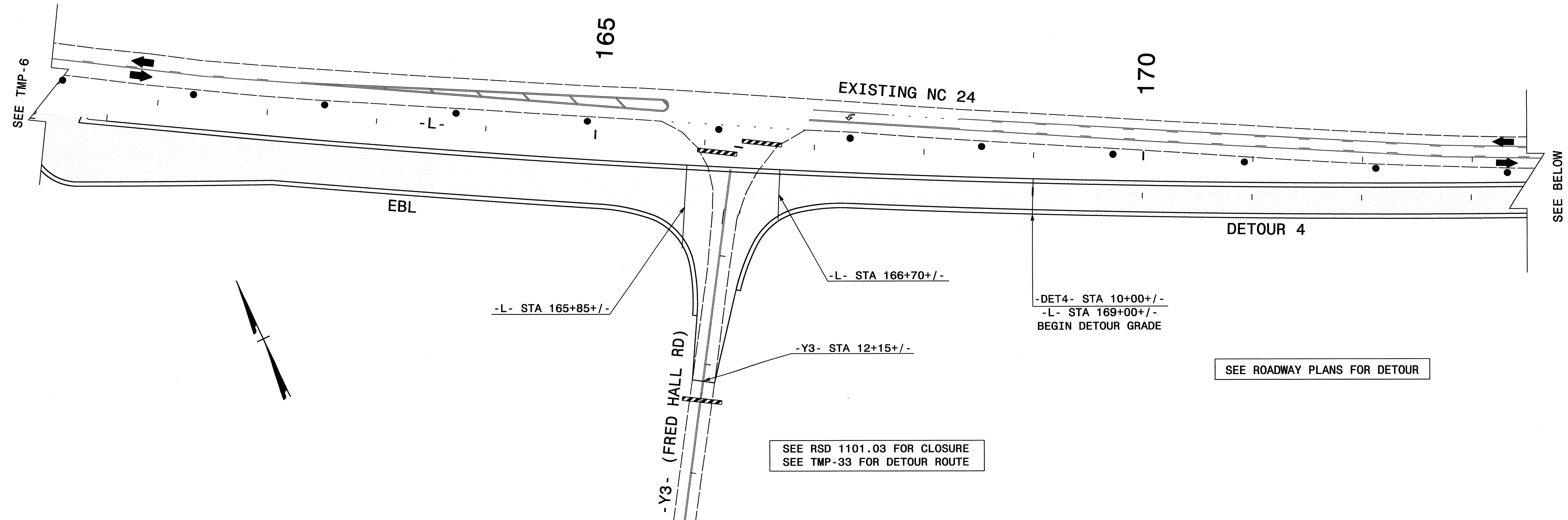
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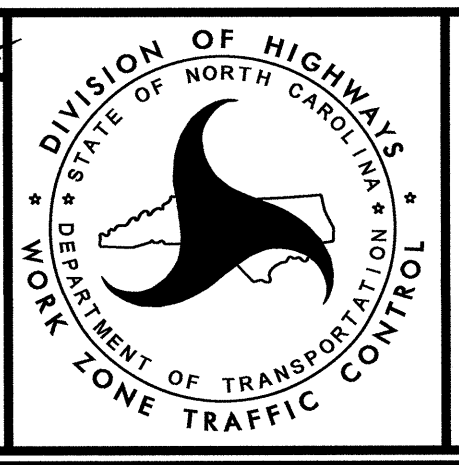


PHASE I
 NC 24 -L- &
 MAXWELL RD -Y-



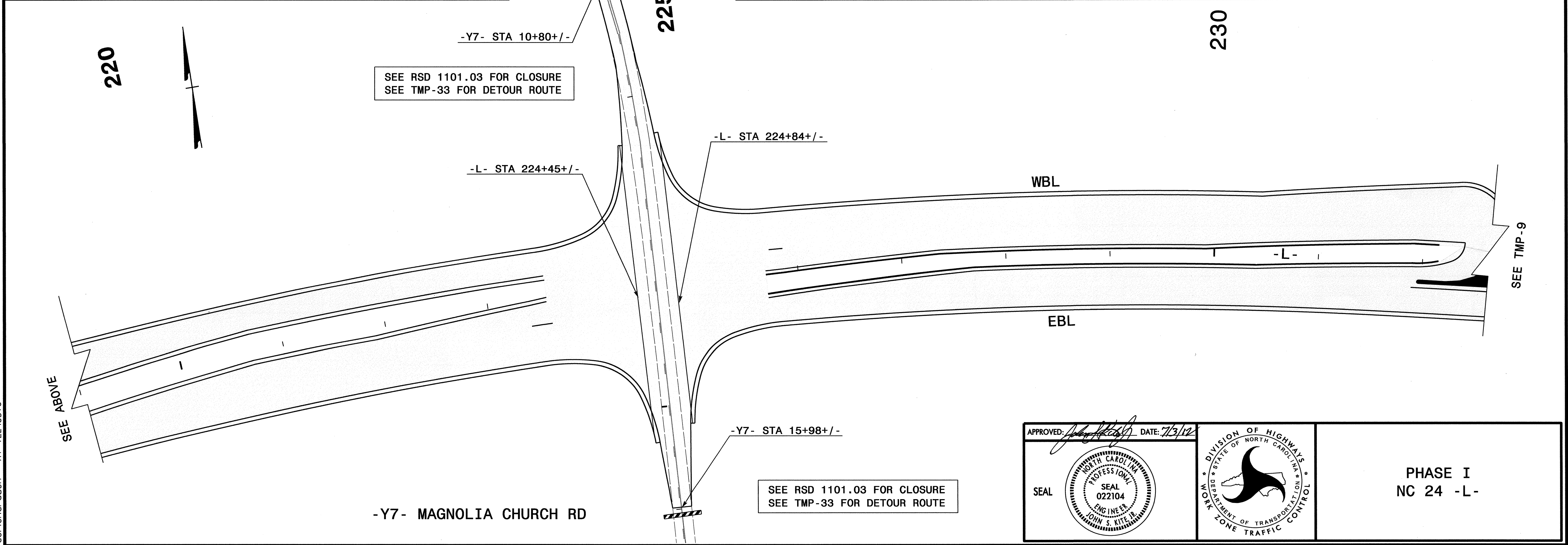
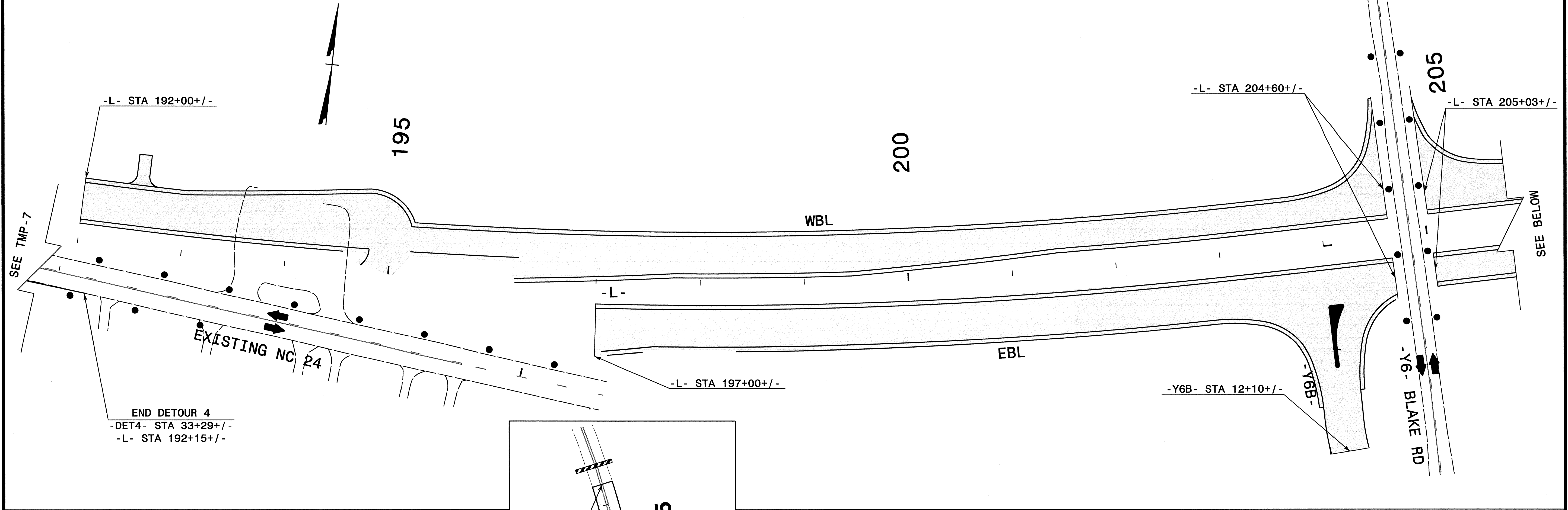
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SEAL



PHASE I
NC 24 -L- &
DETOUR 4

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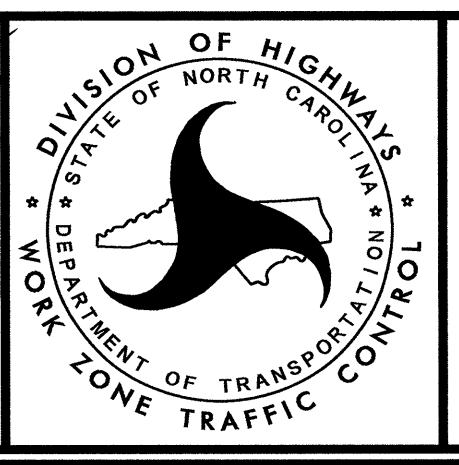


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SEAL

PROFESSIONAL ENGINEER
SEAL 022104
JOHN S. KITE, JR.



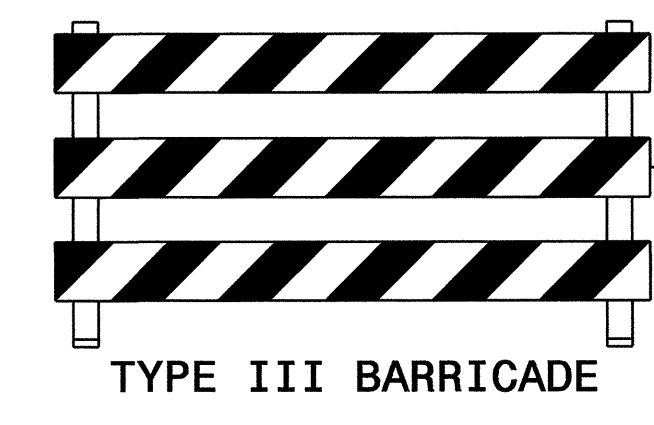
PHASE I
NC 24 -L-



SEE RSD 1101.03 FOR CLOSURE
SEE TMP-33 FOR DETOUR ROUTE

240

245



250

-SR1-

-L- STA 249+79+/-

-Y8- STA 10+68+/-

-L- STA 240+78+/-

-L- STA 241+47+/-

-L- STA 250+18+/-

WBL

-L-

SEE TMP-8

SEE TMP-10

EBL

-Y8- STA 15+01+/-

-Y9- BAINBRIDGE RD

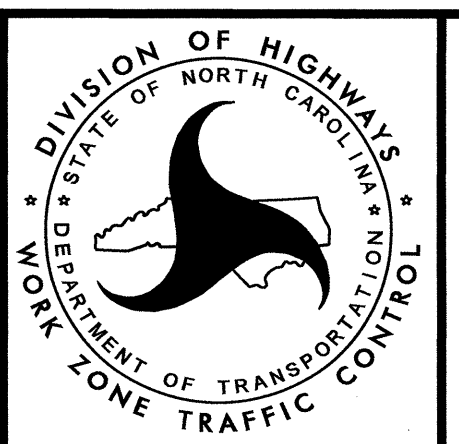
NORTH ST

-Y8- WADE-STEMAN RD

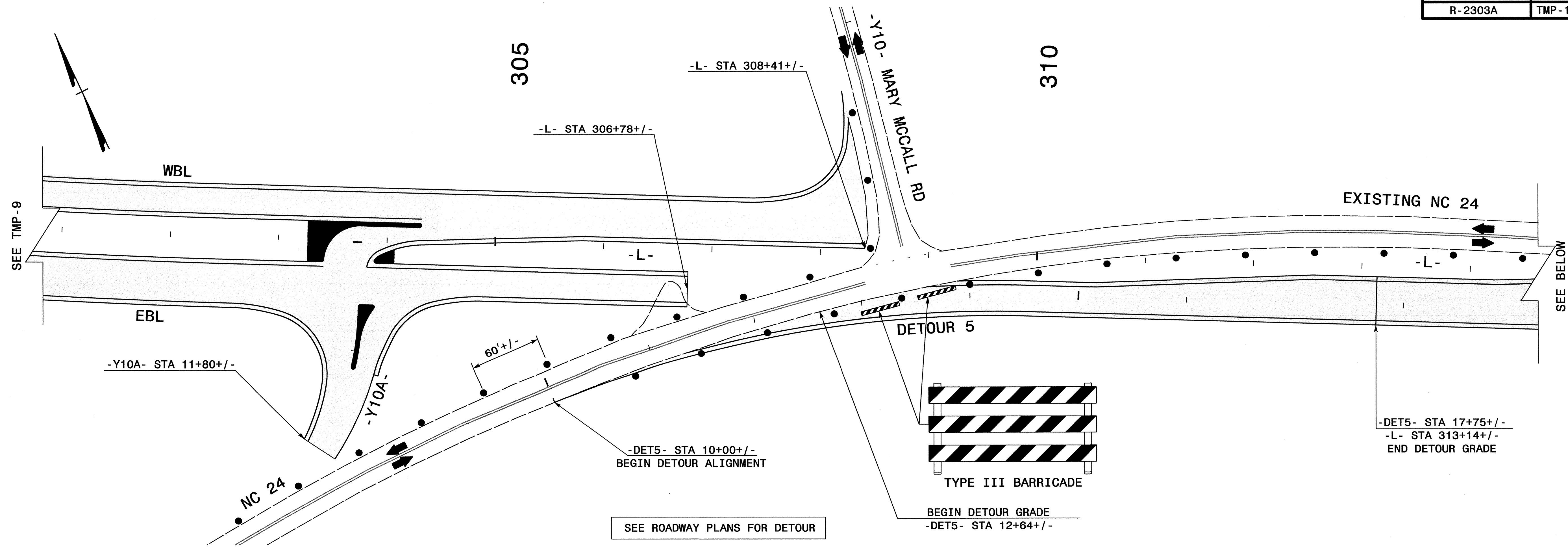
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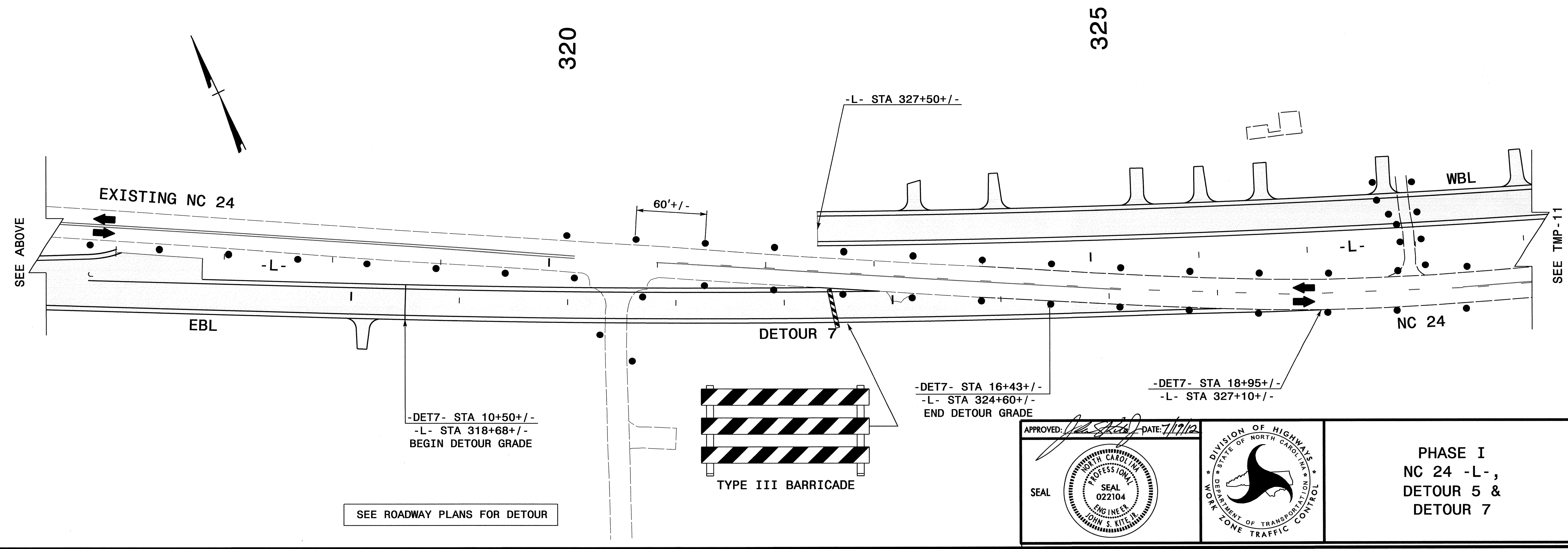
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PHASE I
NC 24 -L-



SEE ROADWAY PLANS FOR DETOUR



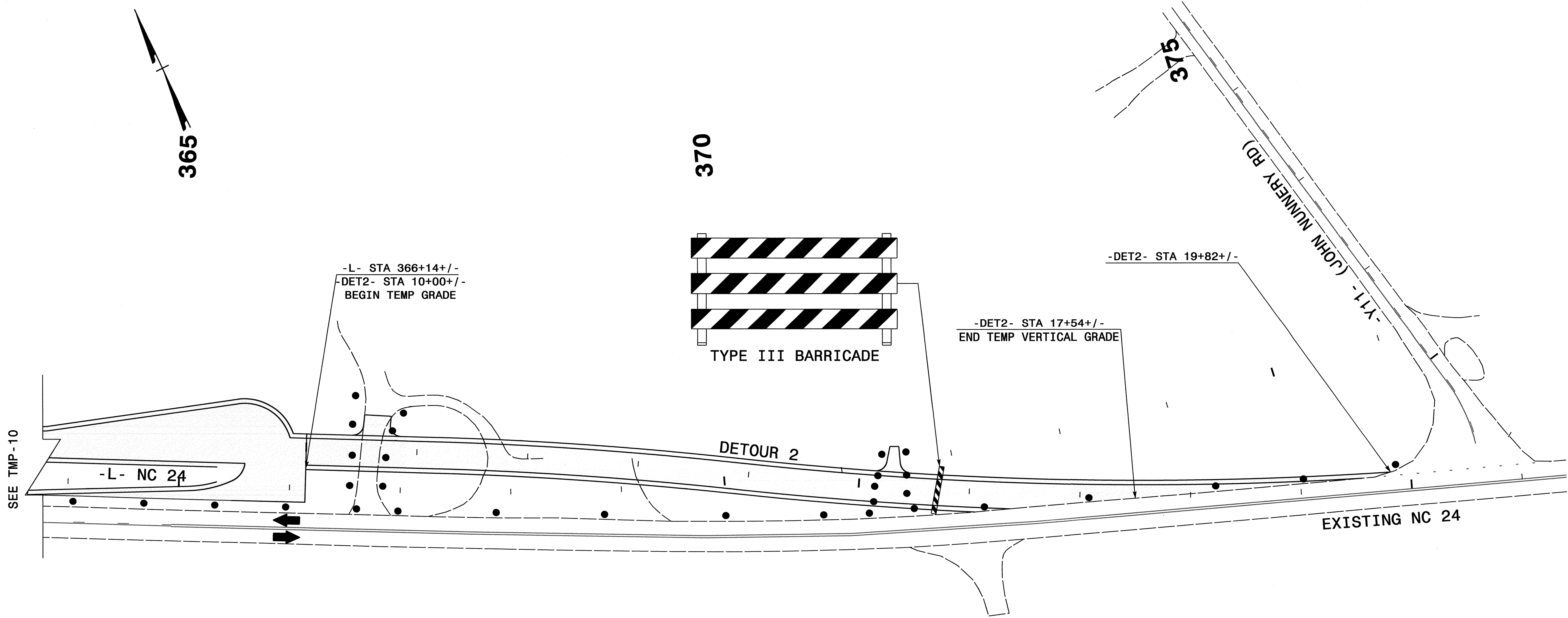
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SEAL

PHASE I
 NC 24 -L-,
 DETOUR 5 &
 DETOUR 7

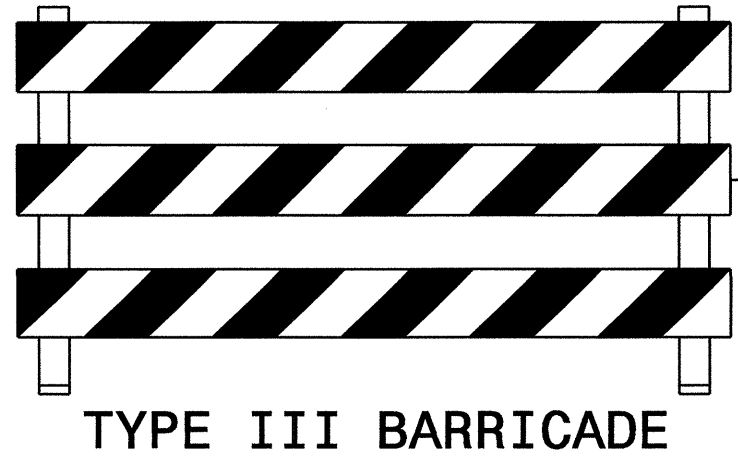
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 deharidson AT 1248376



SEE TMP-10

-L- NC 24

-L- STA 366+14+/-
-DET2- STA 10+00+/-
BEGIN TEMP GRADE



-DET2- STA 17+54+/-
END TEMP VERTICAL GRADE

-DET2- STA 19+82+/-

DETOUR 2

EXISTING NC 24

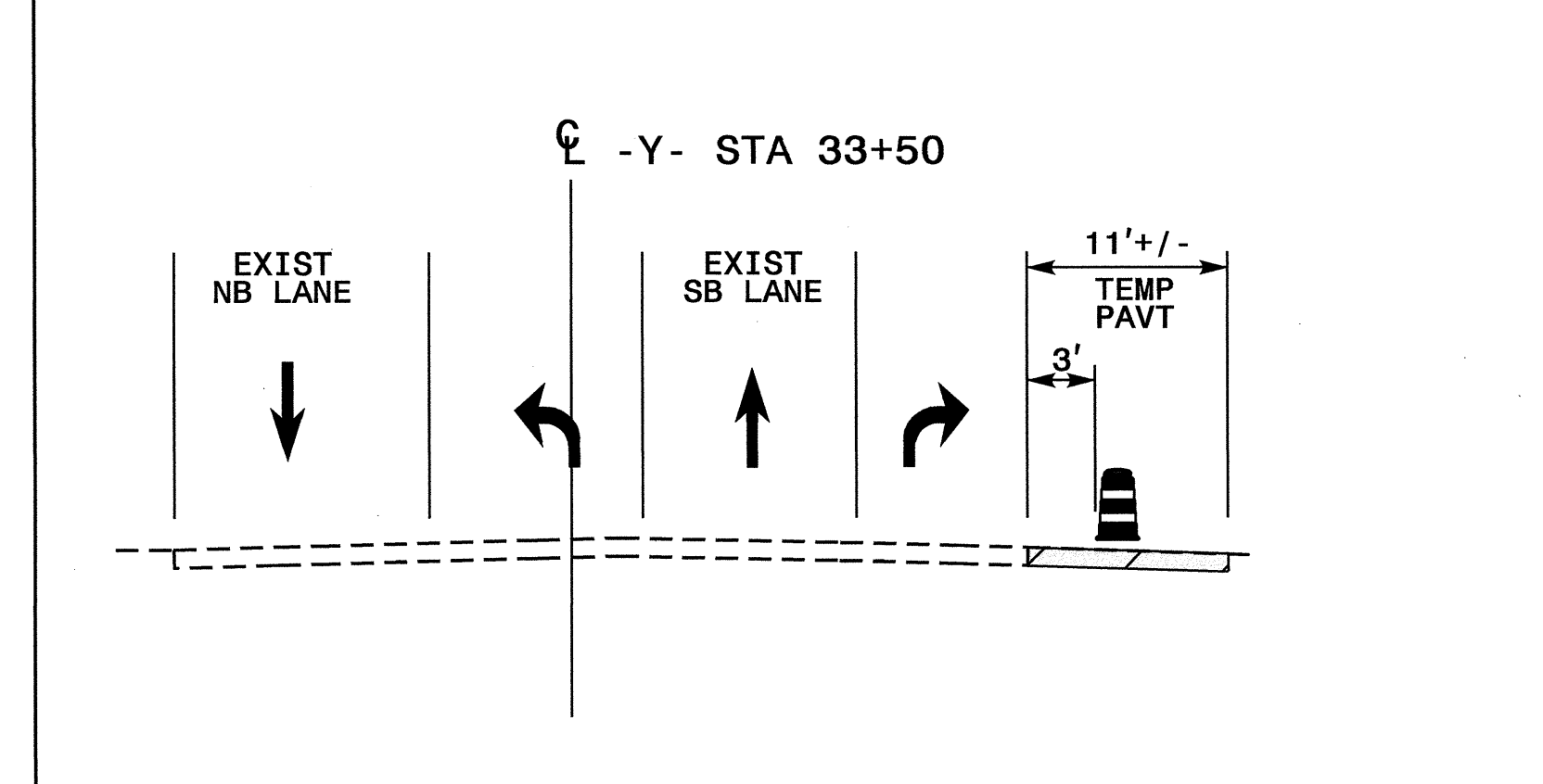
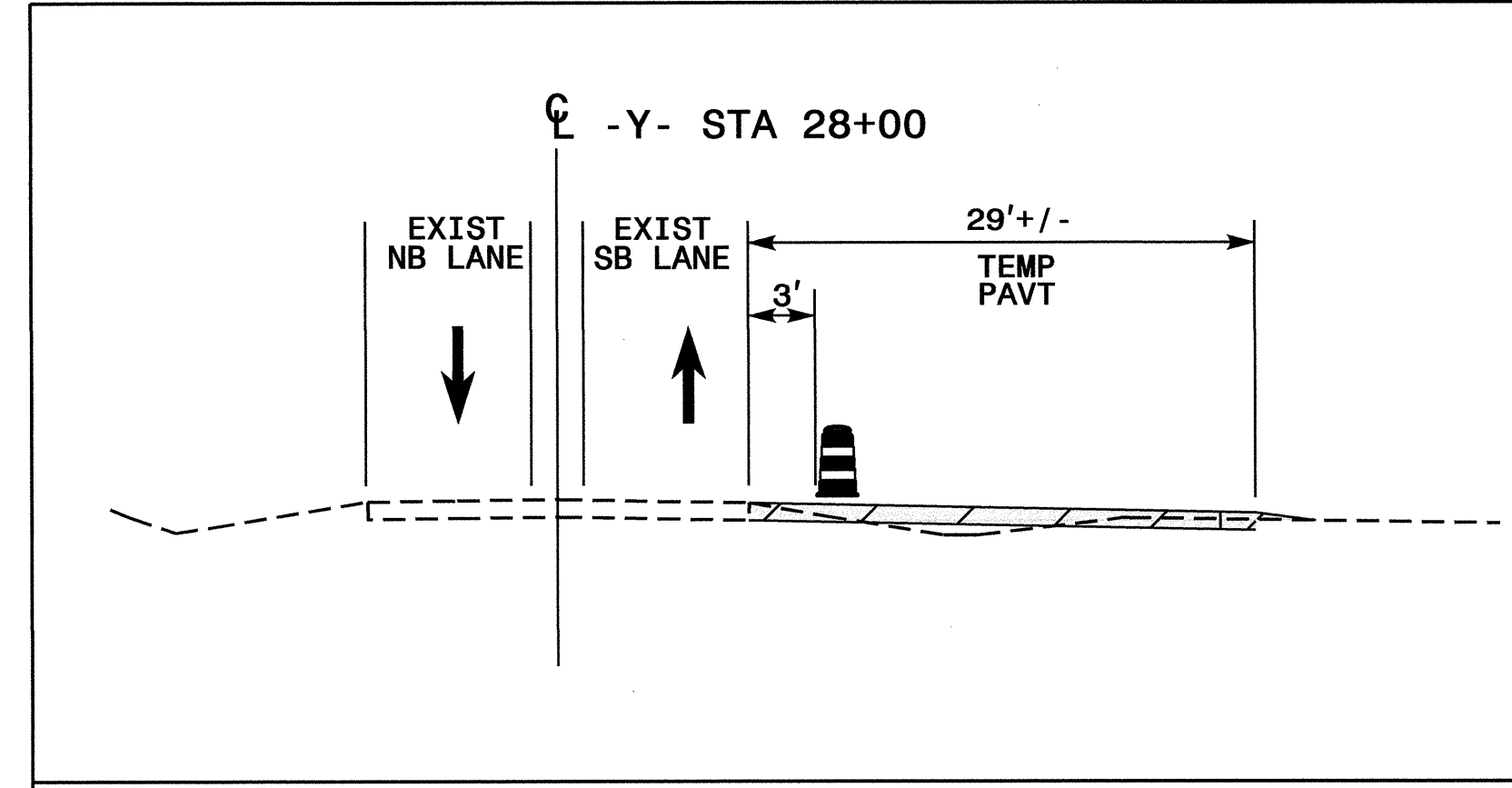
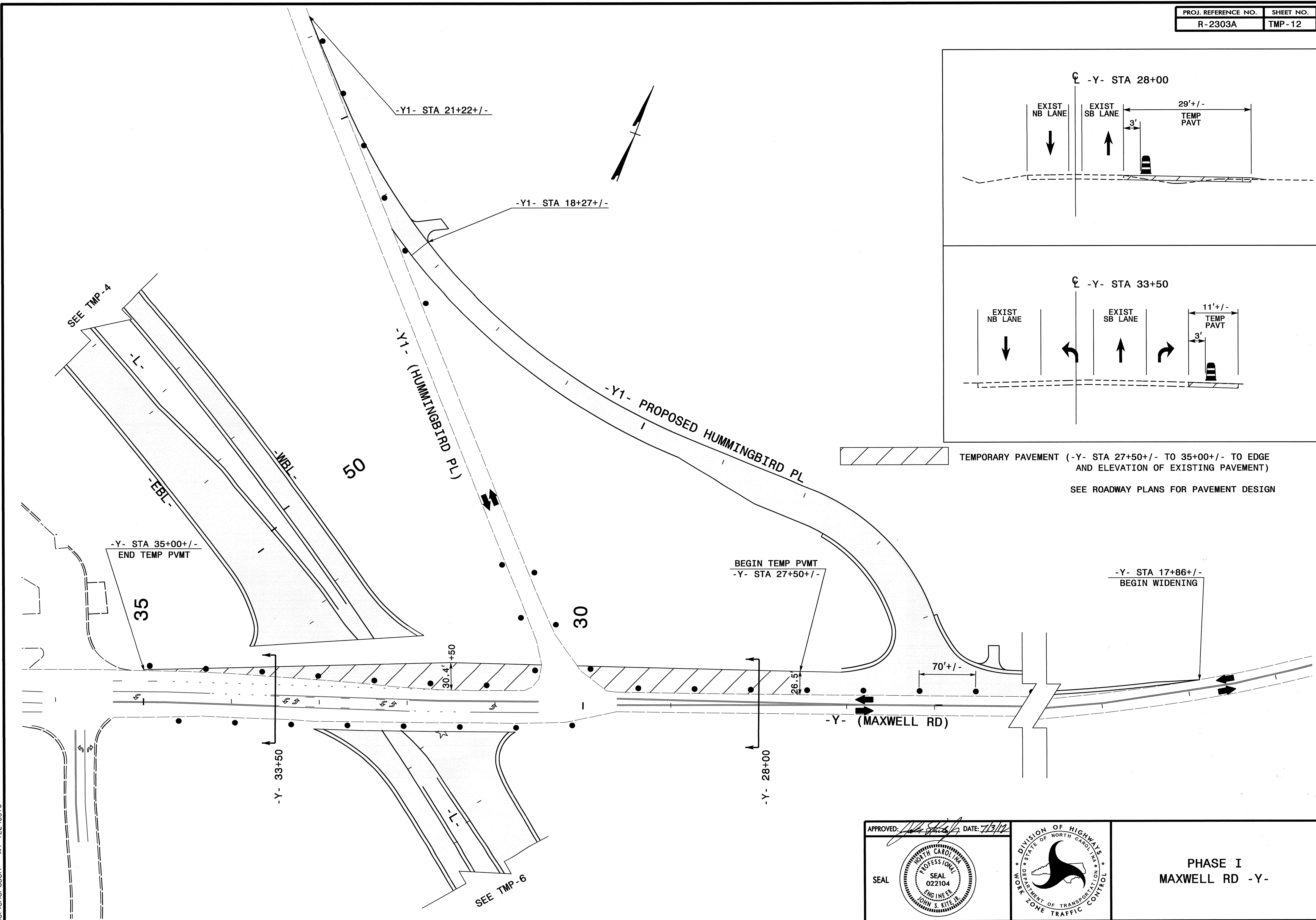
SEE ROADWAY PLANS FOR DETOUR

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APPROVED: *[Signature]* DATE: 7/3/12

SEAL

PHASE I
NC 24 -L- &
DETOUR 2



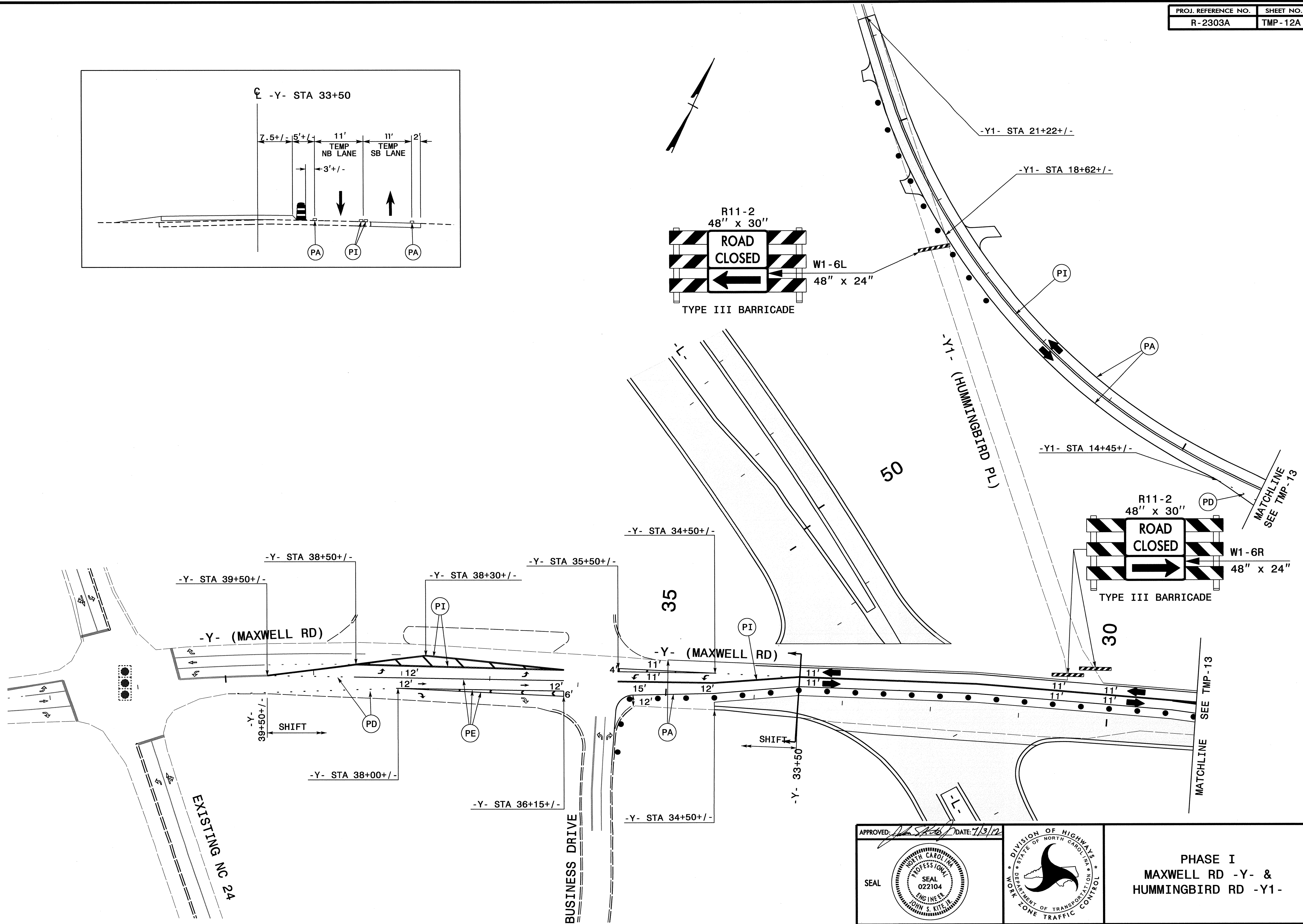
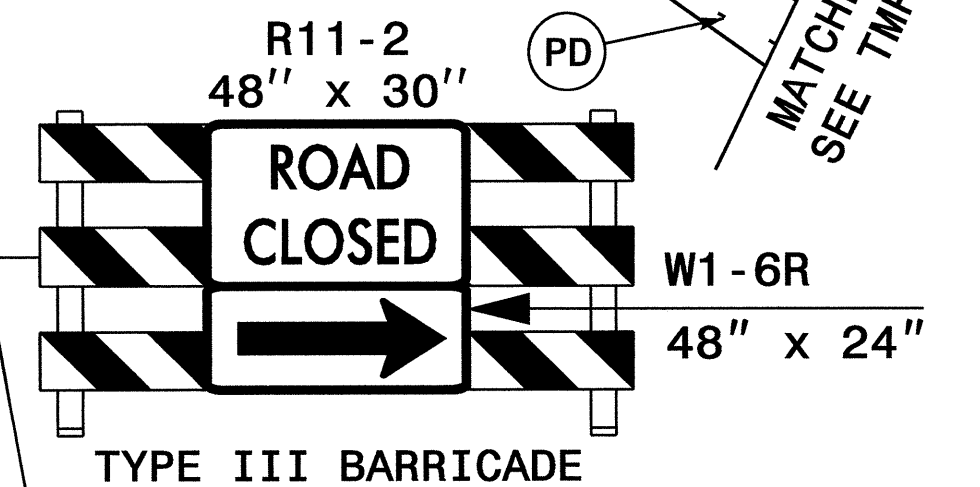
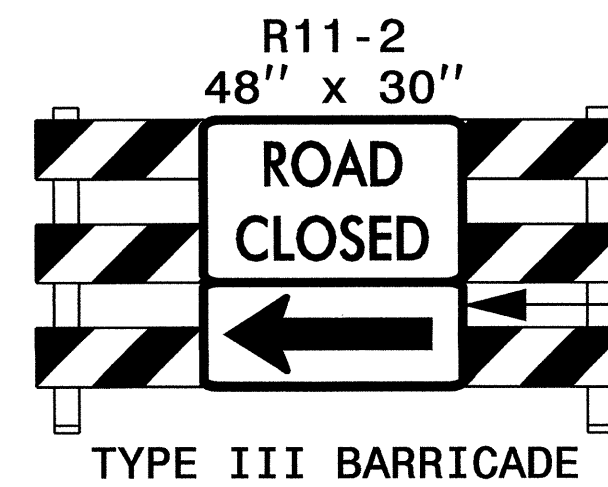
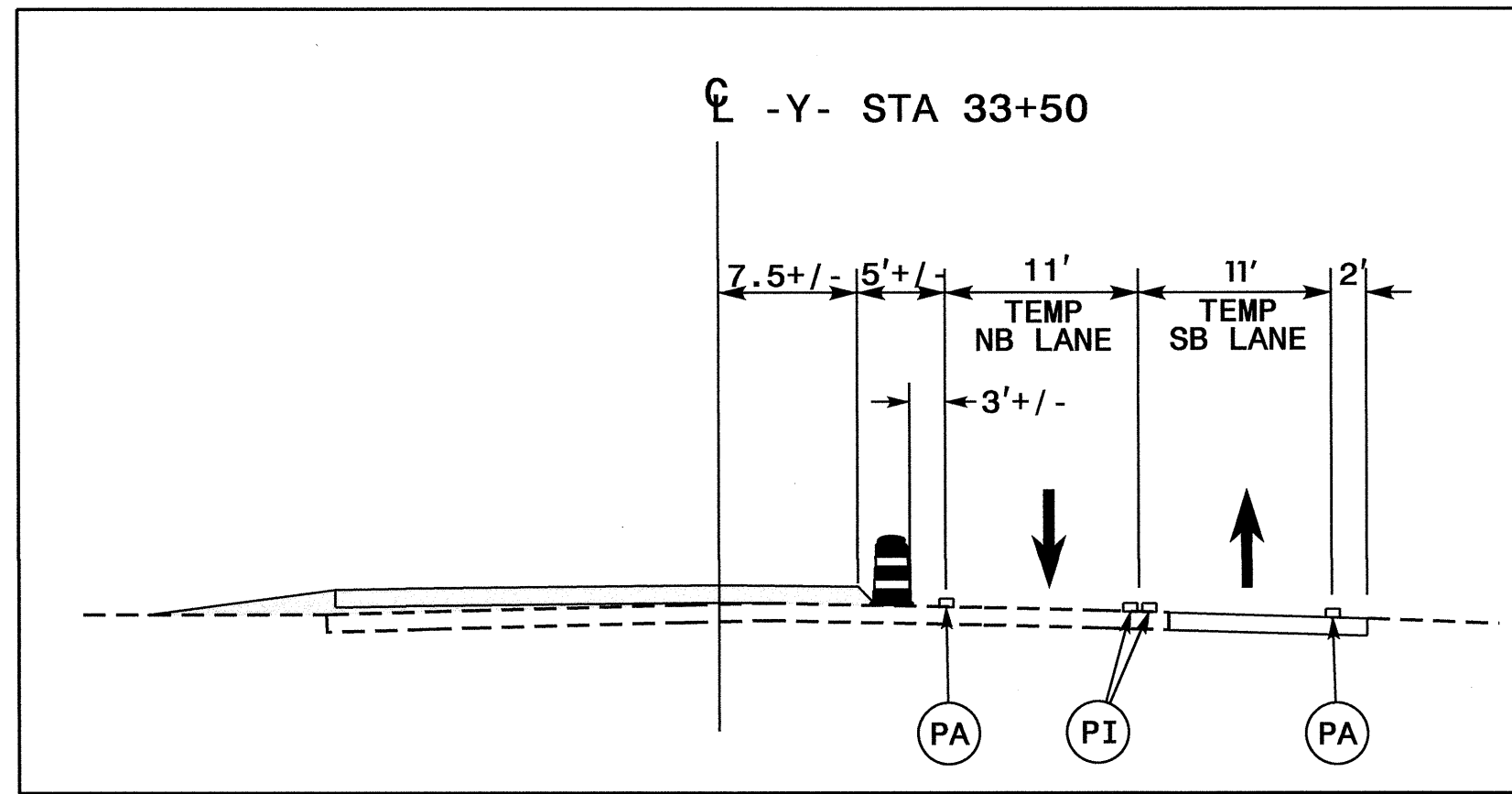
TEMPORARY PAVEMENT (-Y- STA 27+50+/- TO 35+00+/- TO EDGE AND ELEVATION OF EXISTING PAVEMENT)
 SEE ROADWAY PLANS FOR PAVEMENT DESIGN

03-JUL-2012 12:29
 \\dot\dfsroot01\proj\TIPProjects-R\R2303A\TrafficControl\TCP\R2303A_TC.pl.tmp2.dgn
 danielharison AT 1E248316

APPROVED: *[Signature]* DATE: 7/13/12

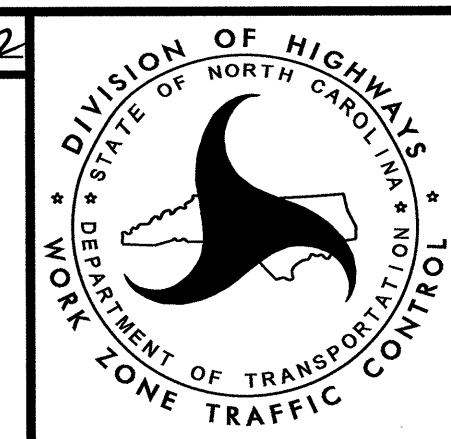
SEAL

PHASE I
 MAXWELL RD -Y-

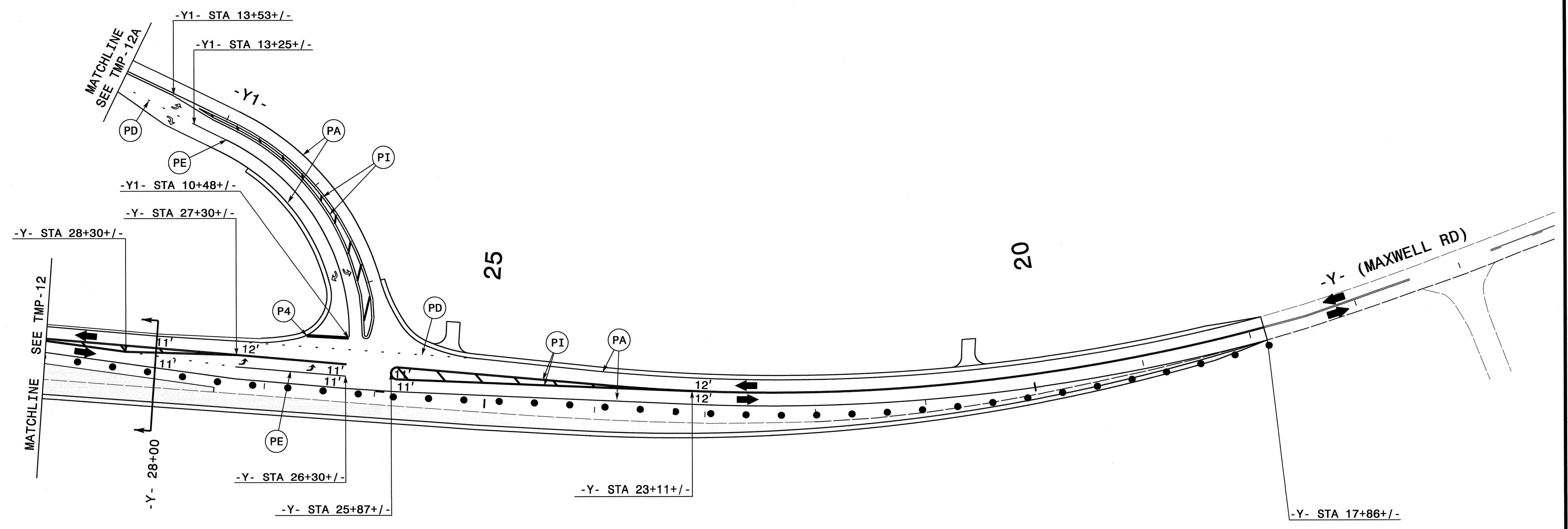
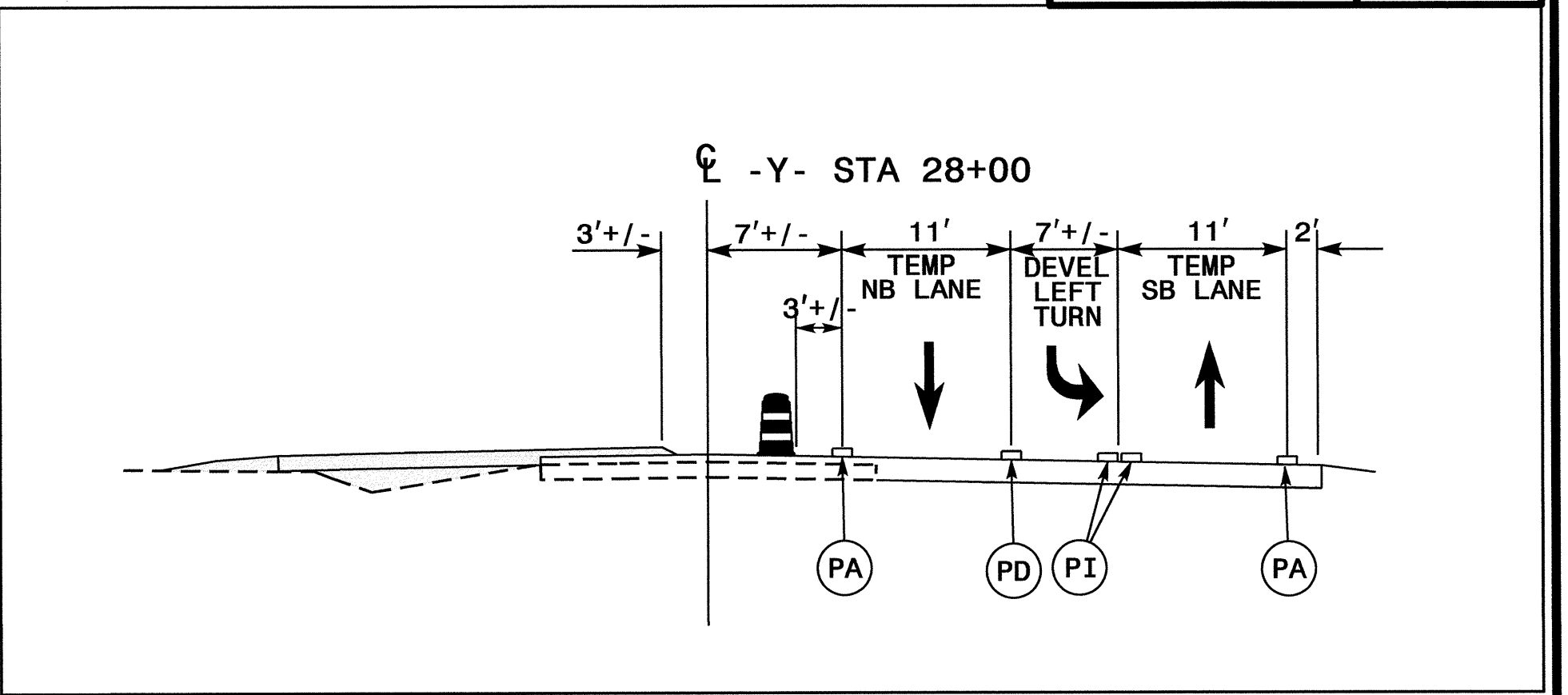


03-JUL-2012 12:30
 \\do\dfs\0070\p\o\l\Tip\Projects-R\R2303A\Traffic\TrafficControl\TCP\R2303A_TC_pla_.tmp\2a.dgn
 derichorson AT 1248316

APPROVED: *[Signature]* DATE: 7/3/12

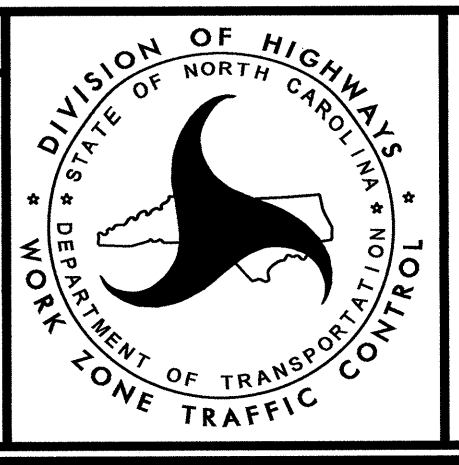


PHASE I
 MAXWELL RD -Y- &
 HUMMINGBIRD RD -Y1-

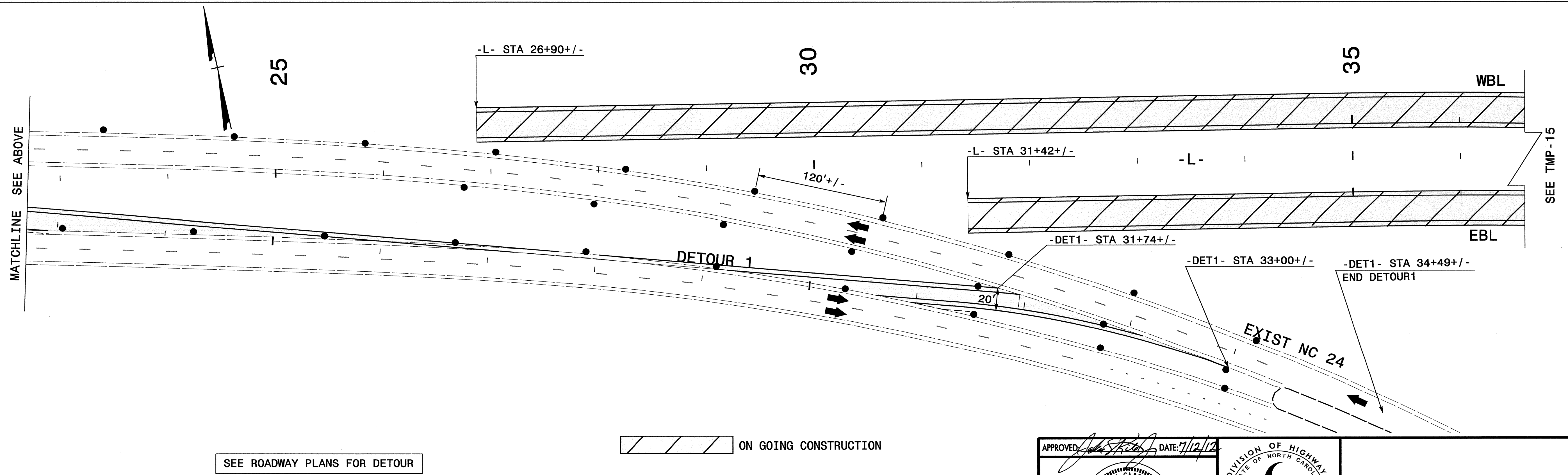
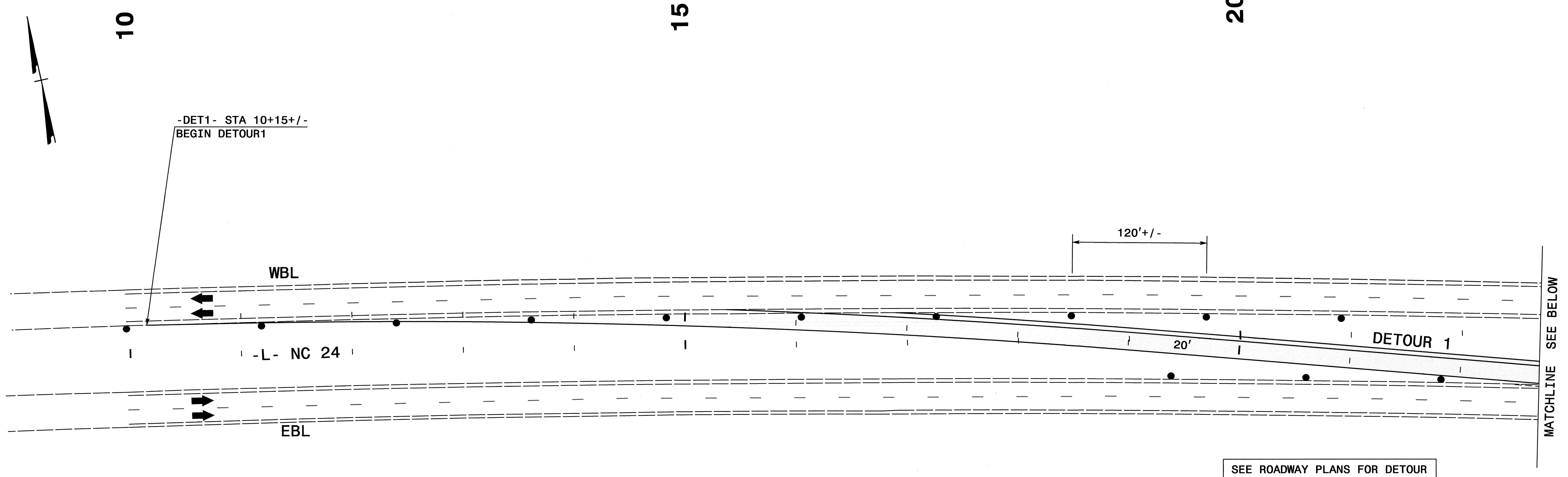


03-JUL-2012 12:30
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 dbrichardson AT 1248316

APPROVED: *John S. Kite* DATE: 7/3/12
 SEAL



PHASE I
 MAXWELL RD -Y- &
 HUMMINGBIRD RD -Y1-

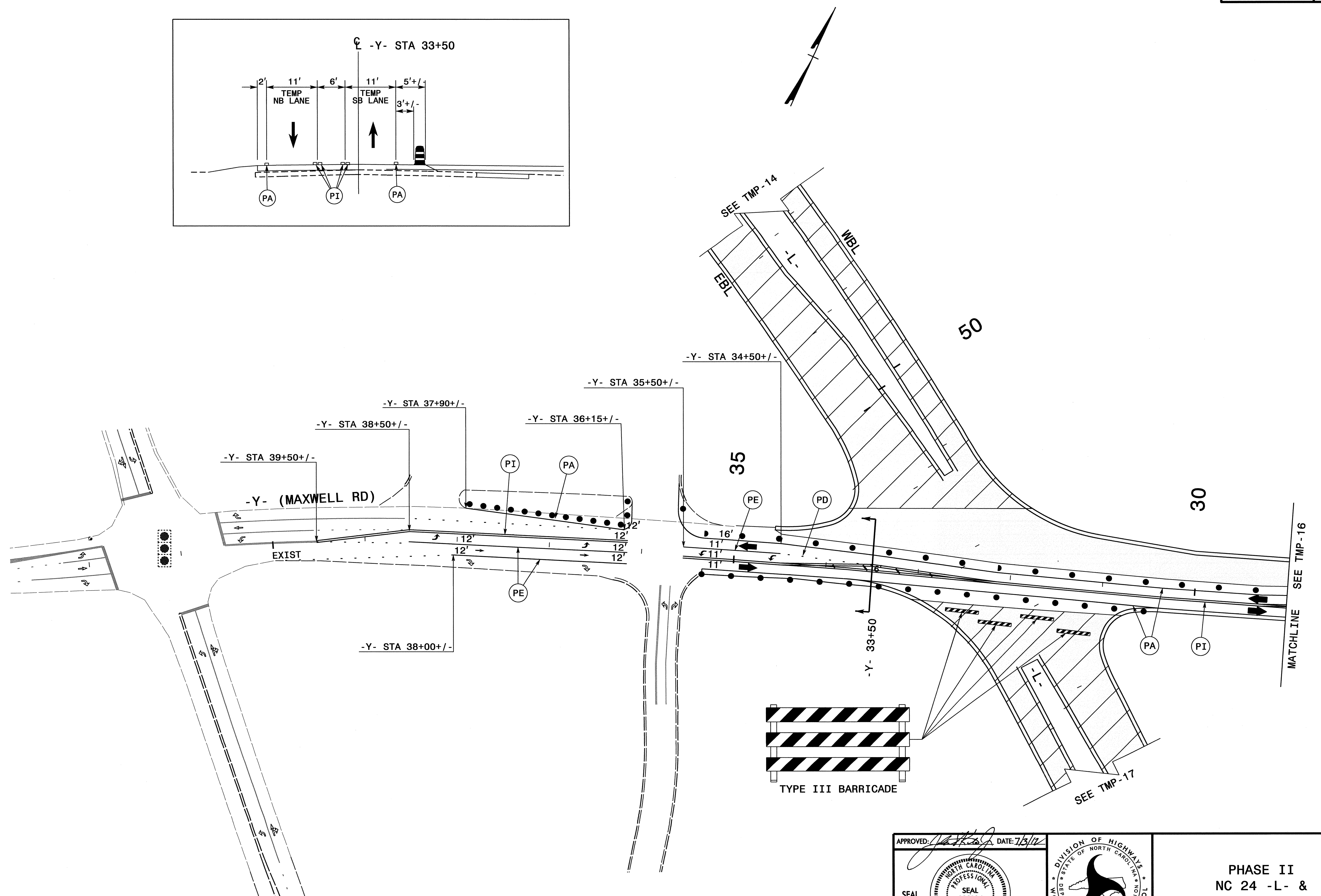
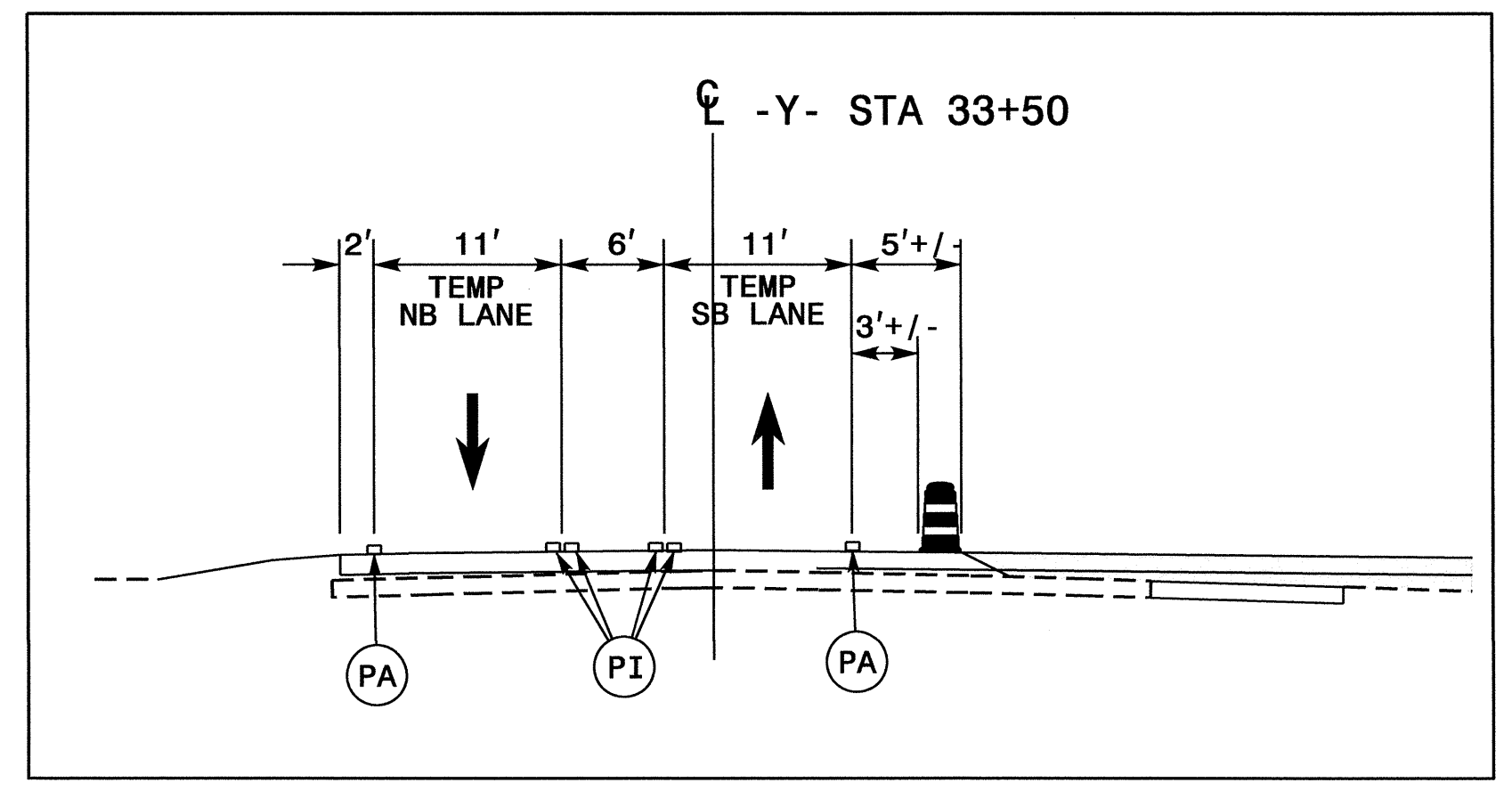


12-JUL-2012 15:00
 C:\Users\jg101\Documents\Projects-R\2303A\TrafficControl\TCP\R2303A-TC-p2.tmp14.dgn
 denlorson AT 12248376

APPROVED: *[Signature]* DATE: 7/12/12

SEAL

PHASE II
 NC 24 -L-

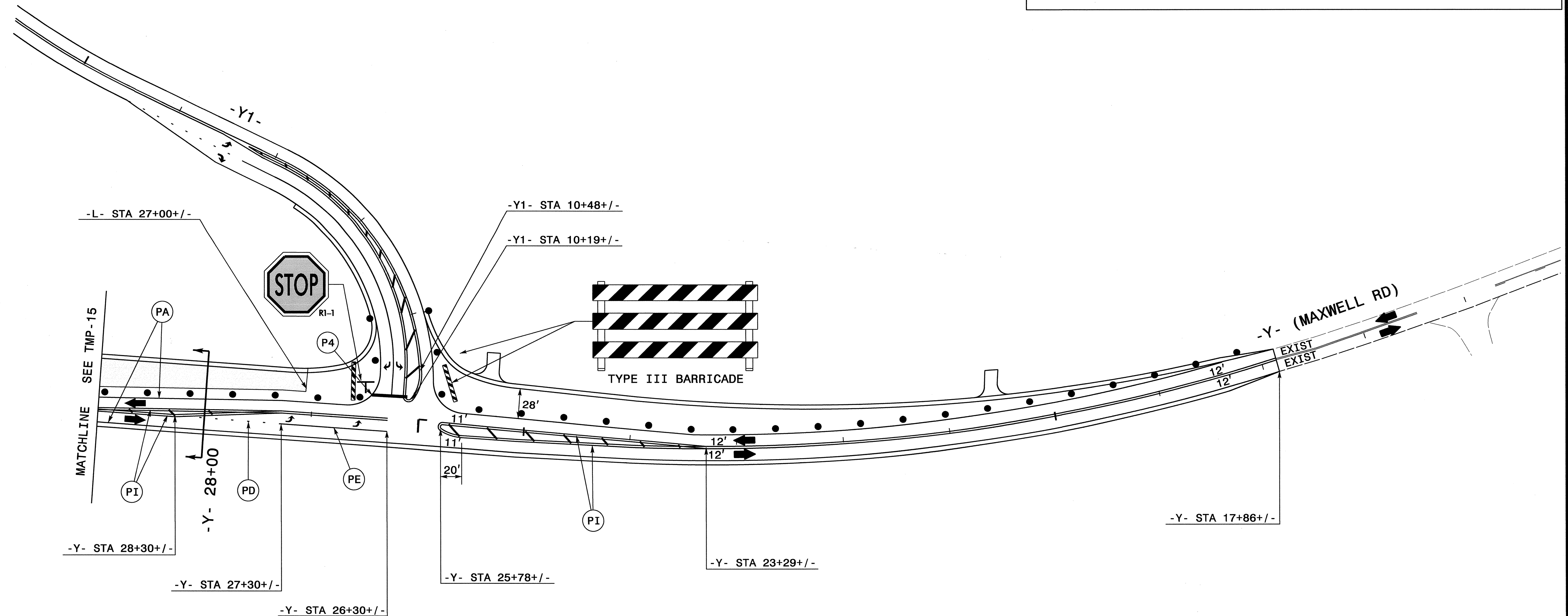
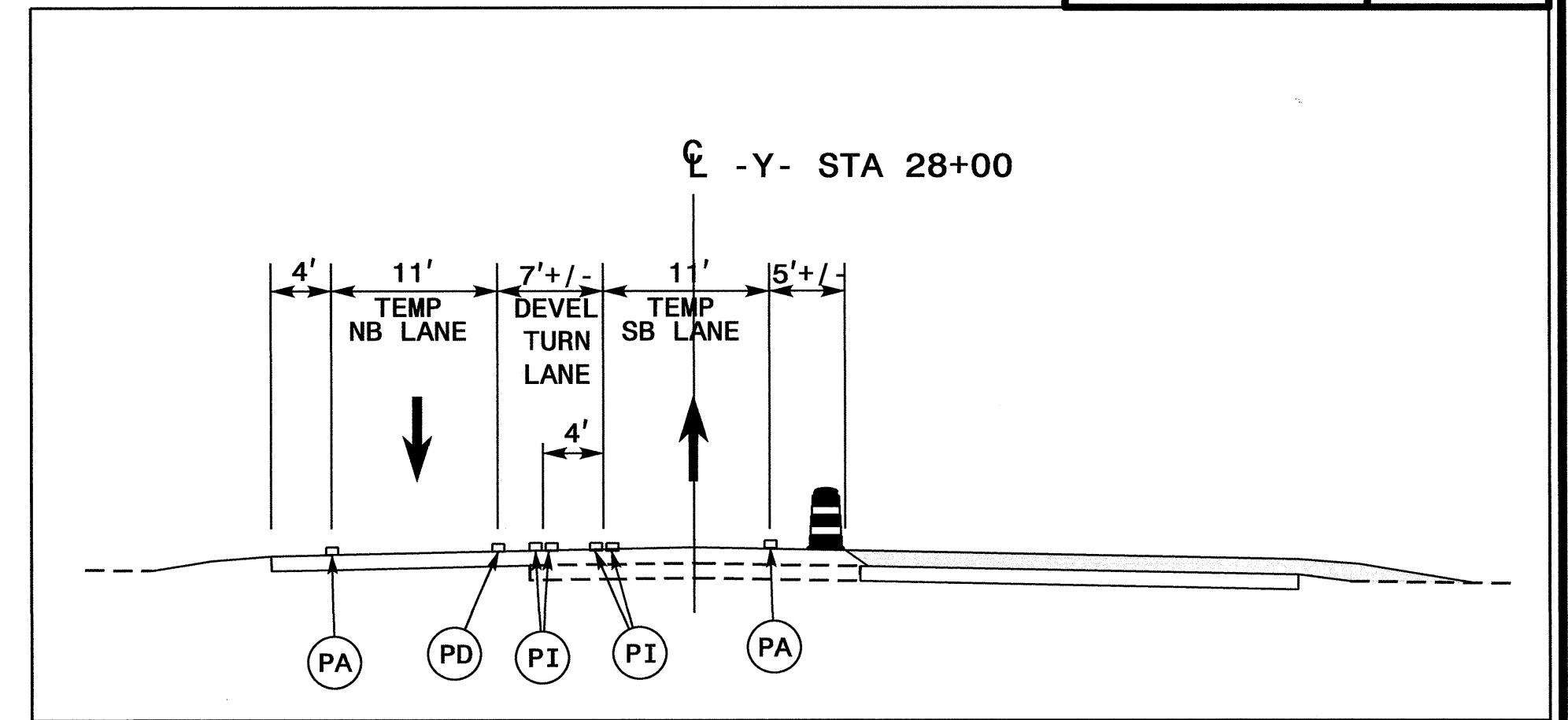


03-JUL-2012 12:32
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 derichardson AT 1E248316

APPROVED: *[Signature]* DATE: 7/3/12

SEAL

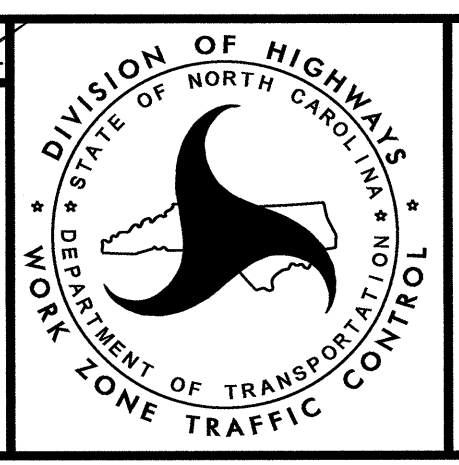
PHASE II
 NC 24 -L- &
 MAXWELL RD -Y-



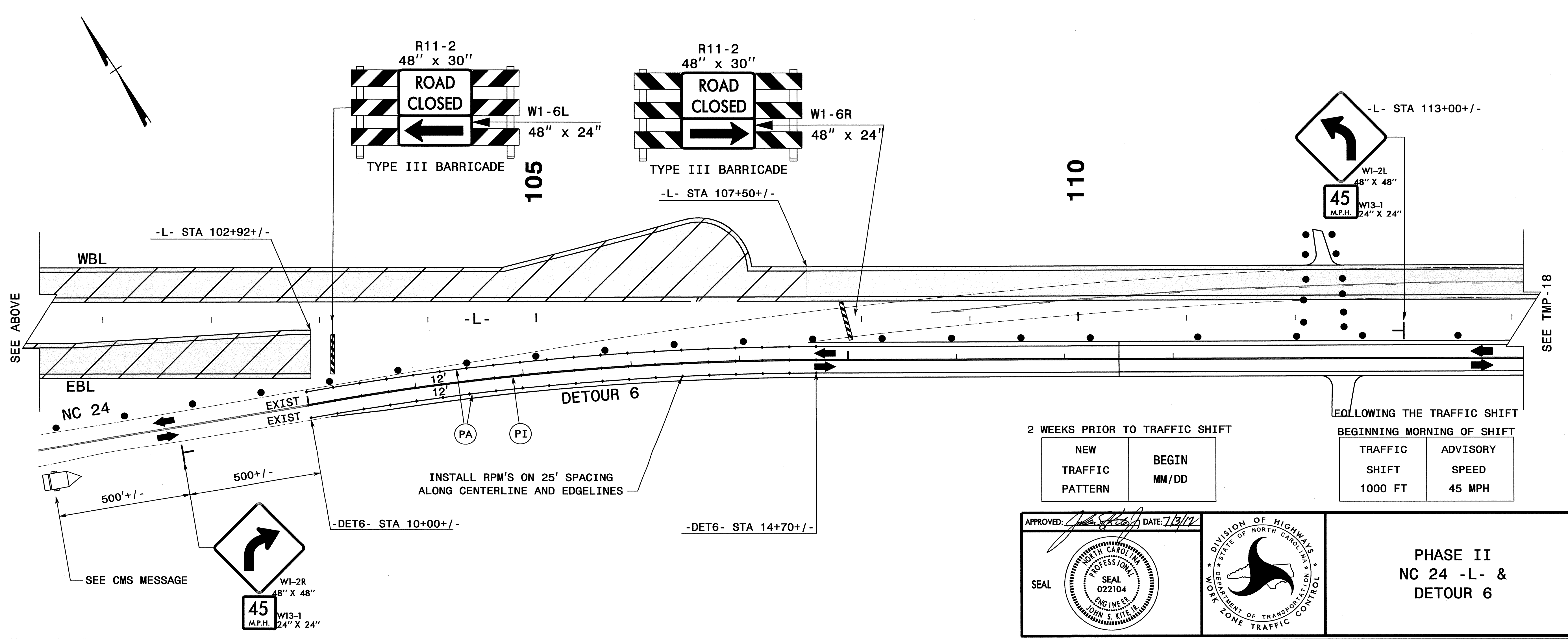
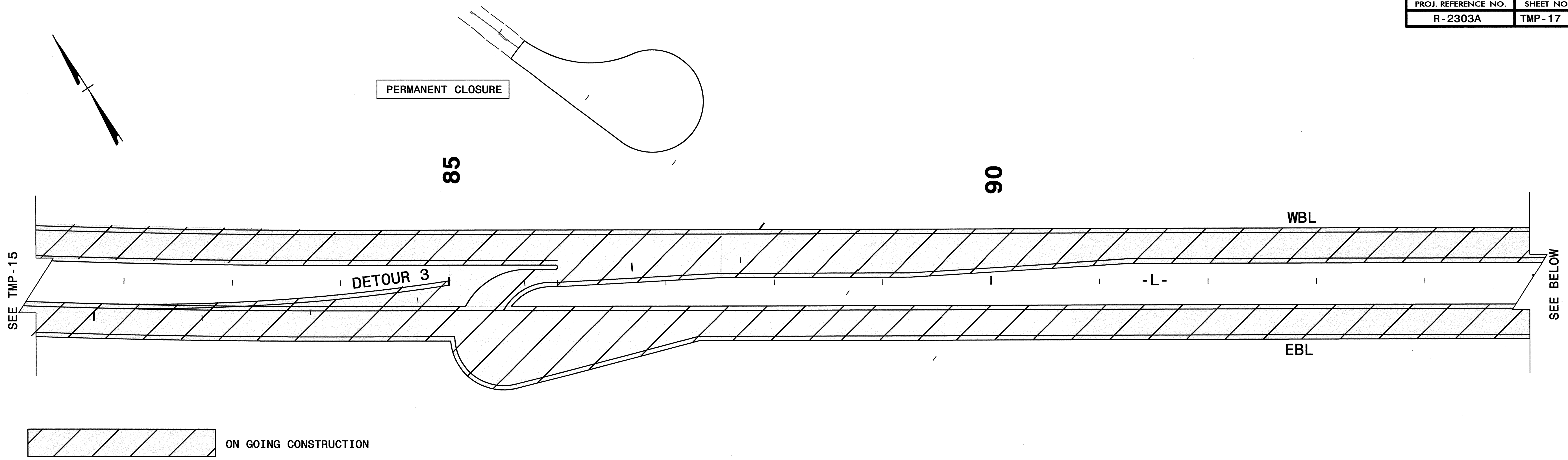
03-JUL-2012 12:39
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 derichardson AT 12288376

APPROVED: *[Signature]* DATE: 7/3/12

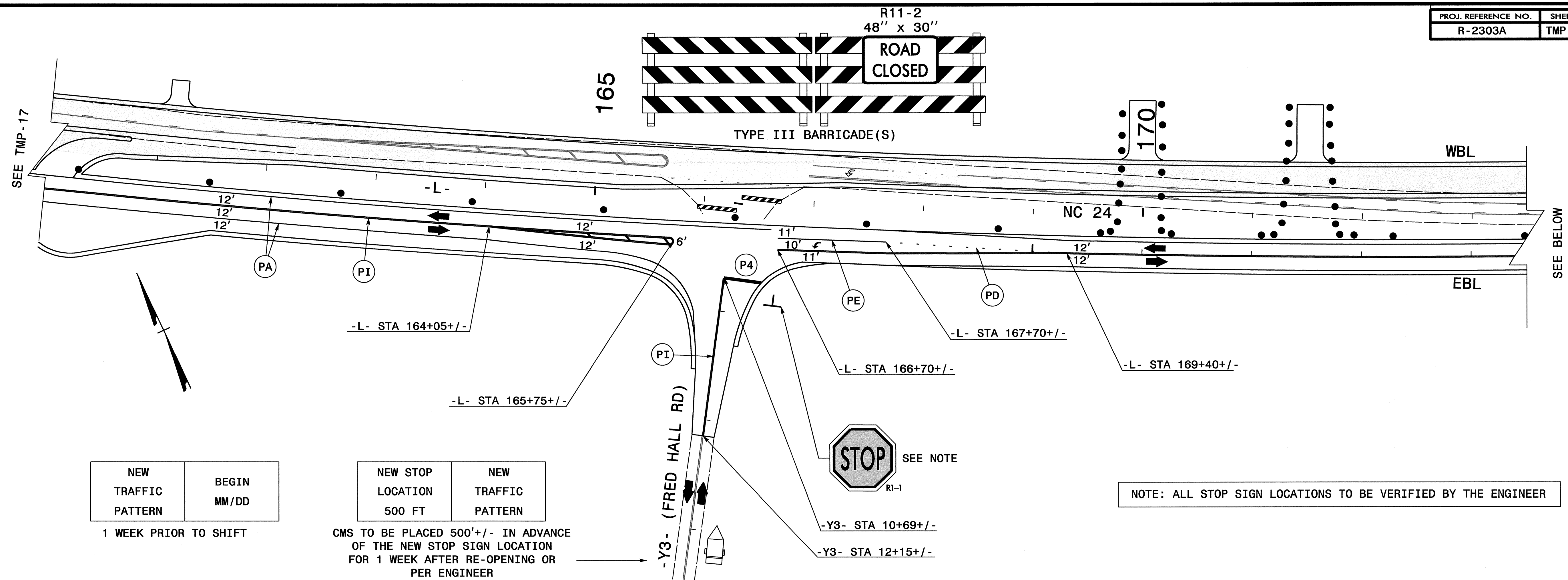
SEAL



PHASE II
 MAXWELL RD -Y- &
 HUMMINGBIRD RD -Y1-



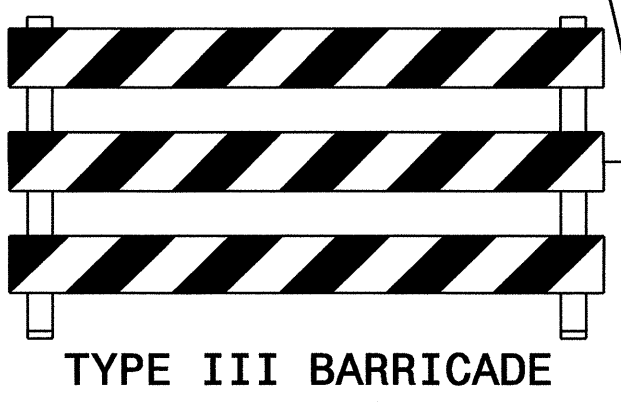
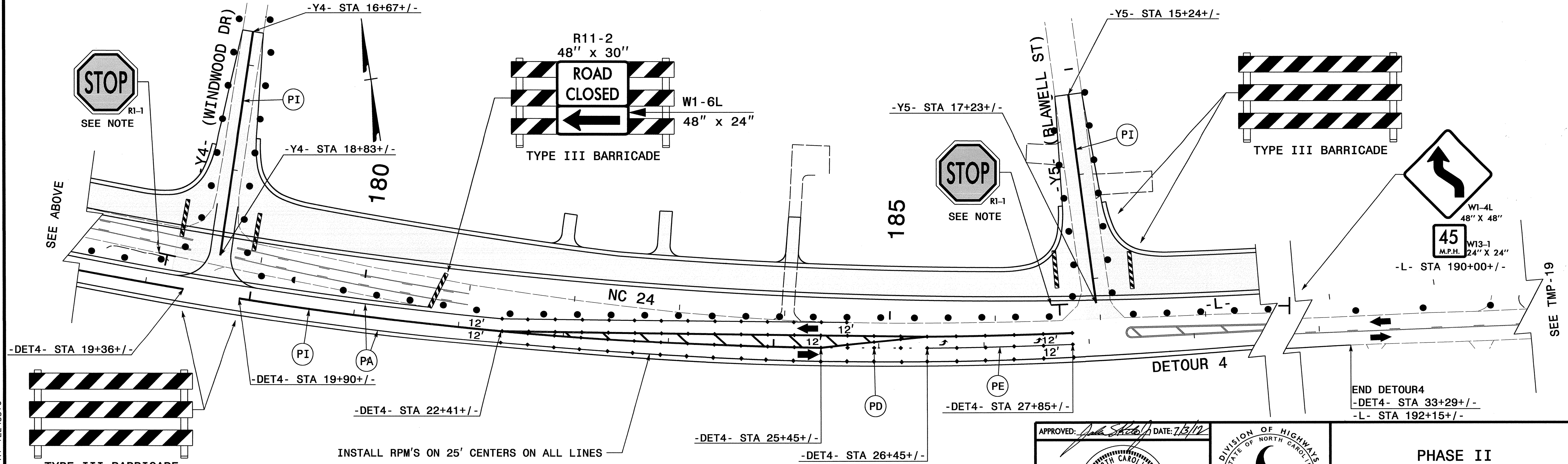
03-JUL-2012 12:41
 \\dot\dfsroot\01\proj\IPProjects-R2303A\TrafficControl\TCP-R2303A-TC-p2.tmp17.dgn
 derichardson AT TE248376



NEW TRAFFIC PATTERN	BEGIN MM/DD
1 WEEK PRIOR TO SHIFT	

NEW STOP LOCATION 500 FT	NEW TRAFFIC PATTERN
CMS TO BE PLACED 500'+/- IN ADVANCE OF THE NEW STOP SIGN LOCATION FOR 1 WEEK AFTER RE-OPENING OR PER ENGINEER	

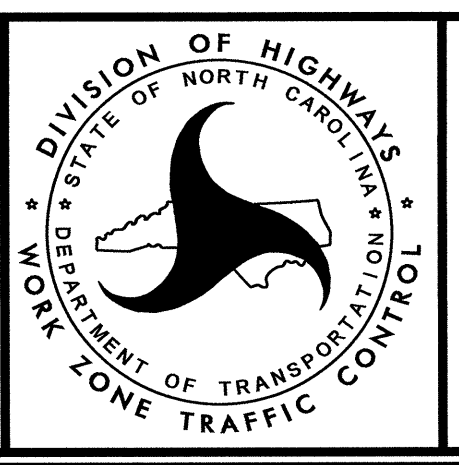
NOTE: ALL STOP SIGN LOCATIONS TO BE VERIFIED BY THE ENGINEER



INSTALL RPM'S ON 25' CENTERS ON ALL LINES

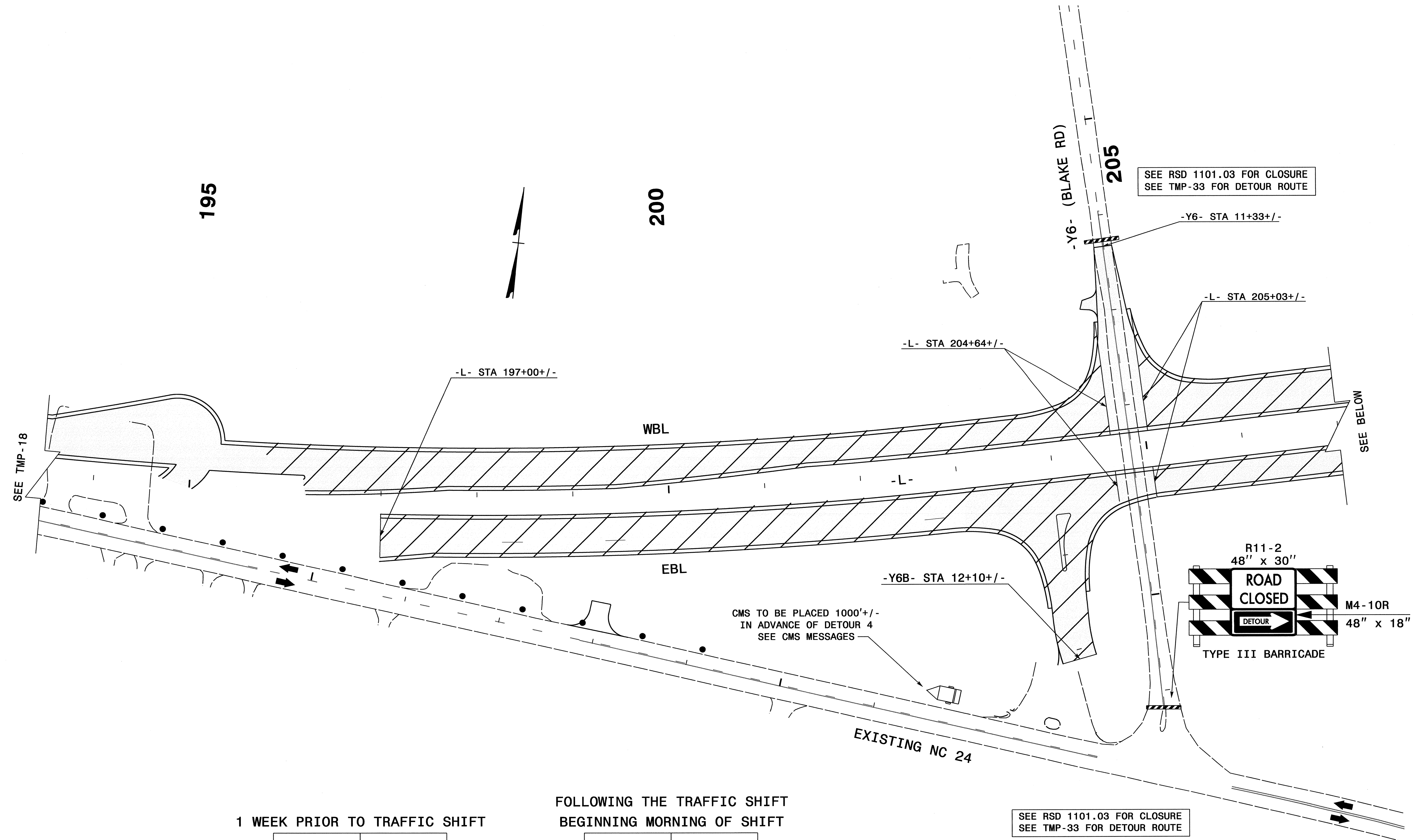
APPROVED: *[Signature]* DATE: 7/3/12

SEAL
 PROFESSIONAL ENGINEER
 SEAL 022104
 JOHN S. KITE, JR.



PHASE II
 NC 24 -L- &
 DETOUR 4

03-JUL-2012 12:43
 \\dot\dfsroot\01\p\o\1\TIPProjects\R2303A\TrafficControl\TCP\R2303A_TC_p2.tmp18.dgn
 gerichardson AT 1248376



1 WEEK PRIOR TO TRAFFIC SHIFT

SHIFT LEFT	ADVISORY SPEED
1000 FT	45 MPH

FOLLOWING THE TRAFFIC SHIFT
BEGINNING MORNING OF SHIFT

NEW TRAFFIC PATTERN	BEGIN MM/DD
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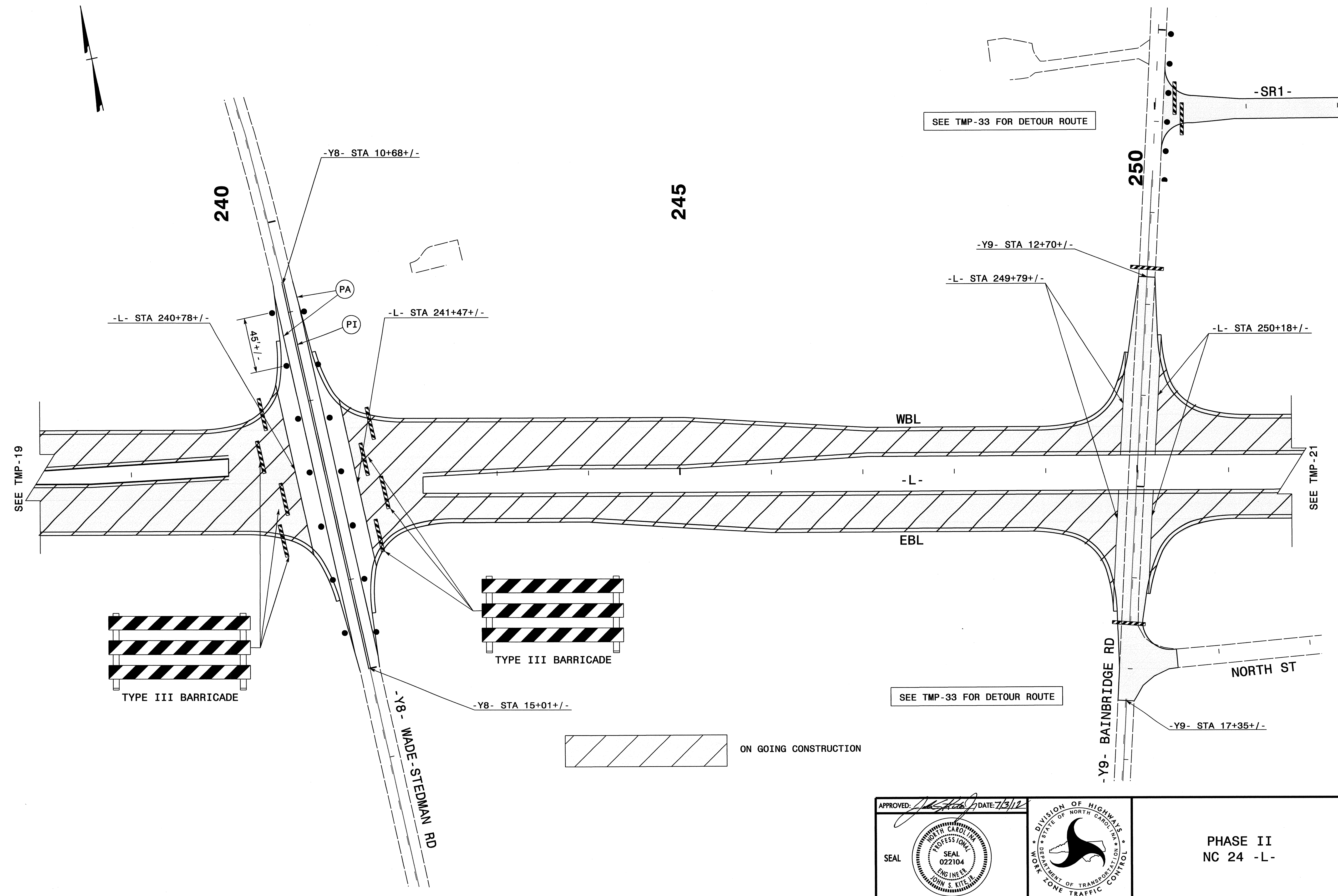
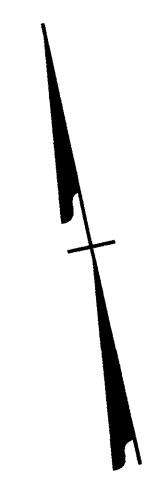
ON GOING CONSTRUCTION

SEE RSD 1101.03 FOR CLOSURE
SEE TMP-33 FOR DETOUR ROUTE

APPROVED: *[Signature]* DATE: 7/3/12
SEAL

PHASE II
NC 24 -L-

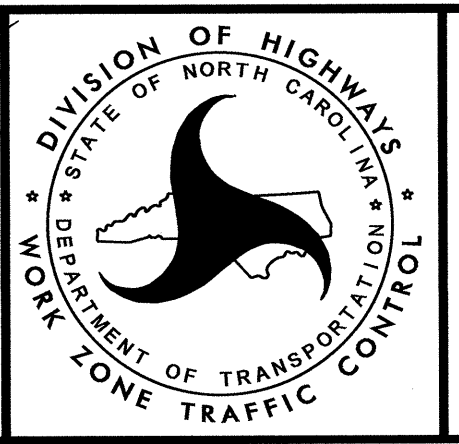
03-JUL-2012 12:44
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at 12:48:316
darichardson



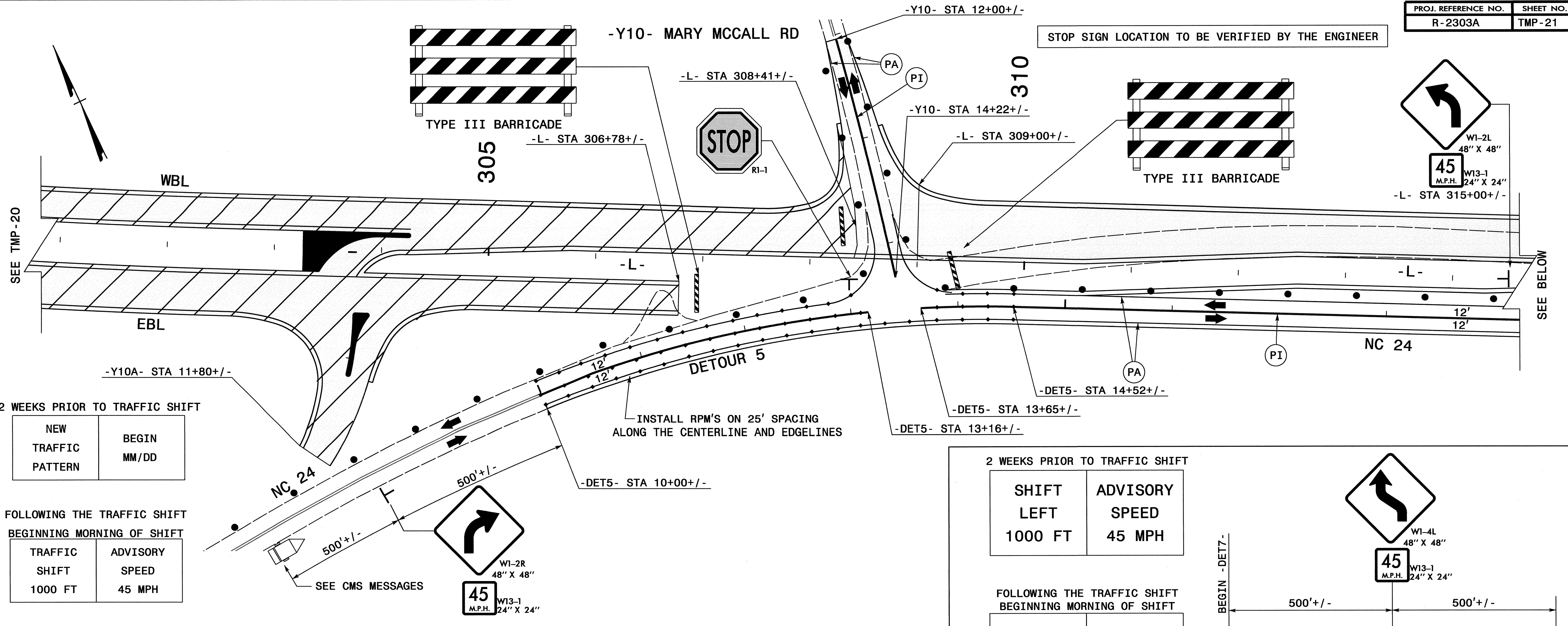
03-JUL-2012 12:44
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 denichudson AT 1E248316

APPROVED: *[Signature]* DATE: 7/3/12

SEAL



PHASE II
 NC 24 -L-



2 WEEKS PRIOR TO TRAFFIC SHIFT

NEW TRAFFIC PATTERN	BEGIN MM/DD

FOLLOWING THE TRAFFIC SHIFT BEGINNING MORNING OF SHIFT

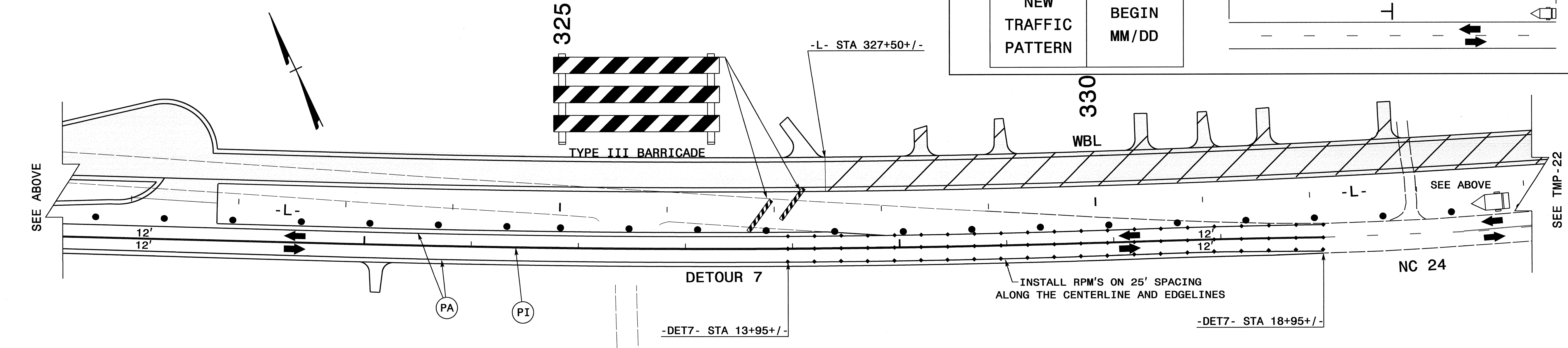
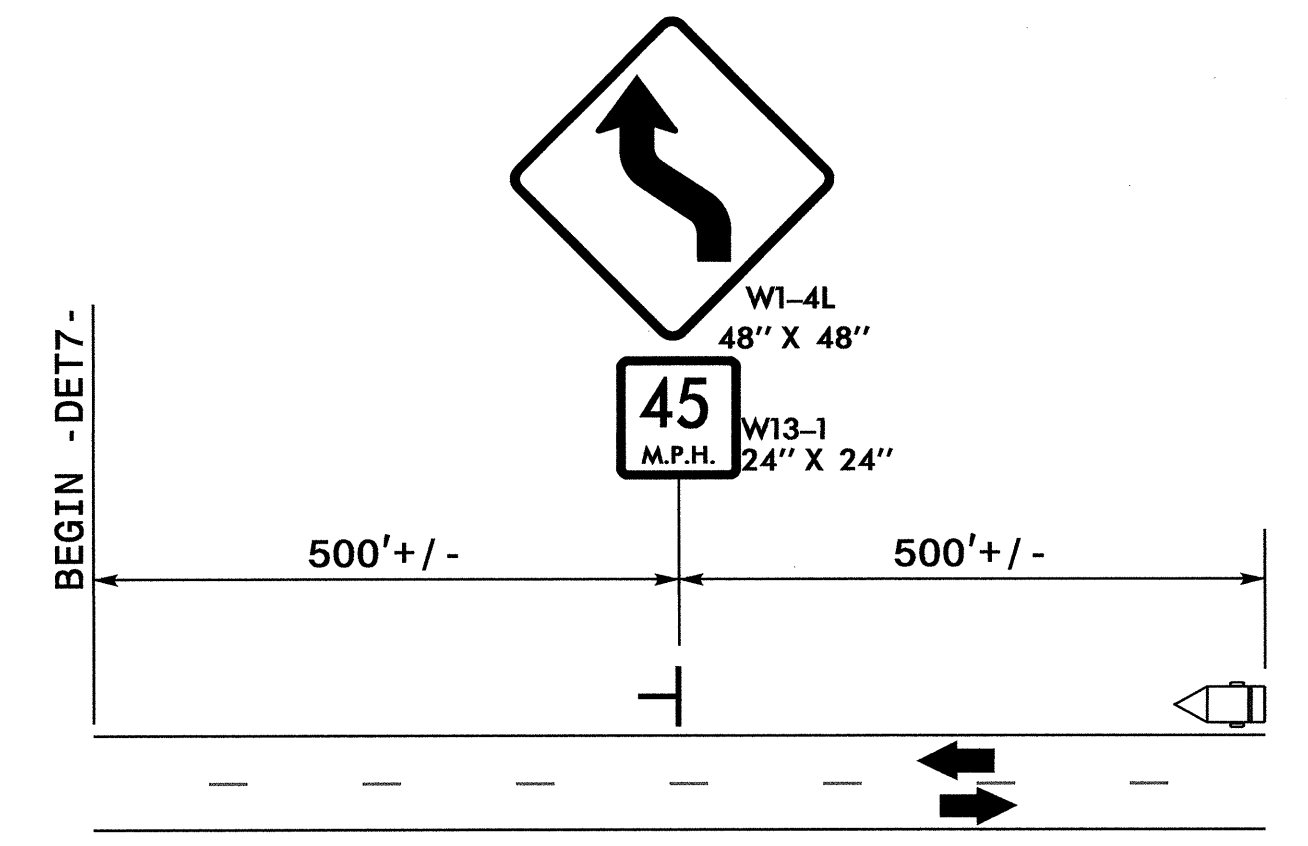
TRAFFIC SHIFT	ADVISORY SPEED
1000 FT	45 MPH

2 WEEKS PRIOR TO TRAFFIC SHIFT

SHIFT	ADVISORY SPEED
LEFT 1000 FT	45 MPH

FOLLOWING THE TRAFFIC SHIFT BEGINNING MORNING OF SHIFT

NEW TRAFFIC PATTERN	BEGIN MM/DD



ON GOING CONSTRUCTION

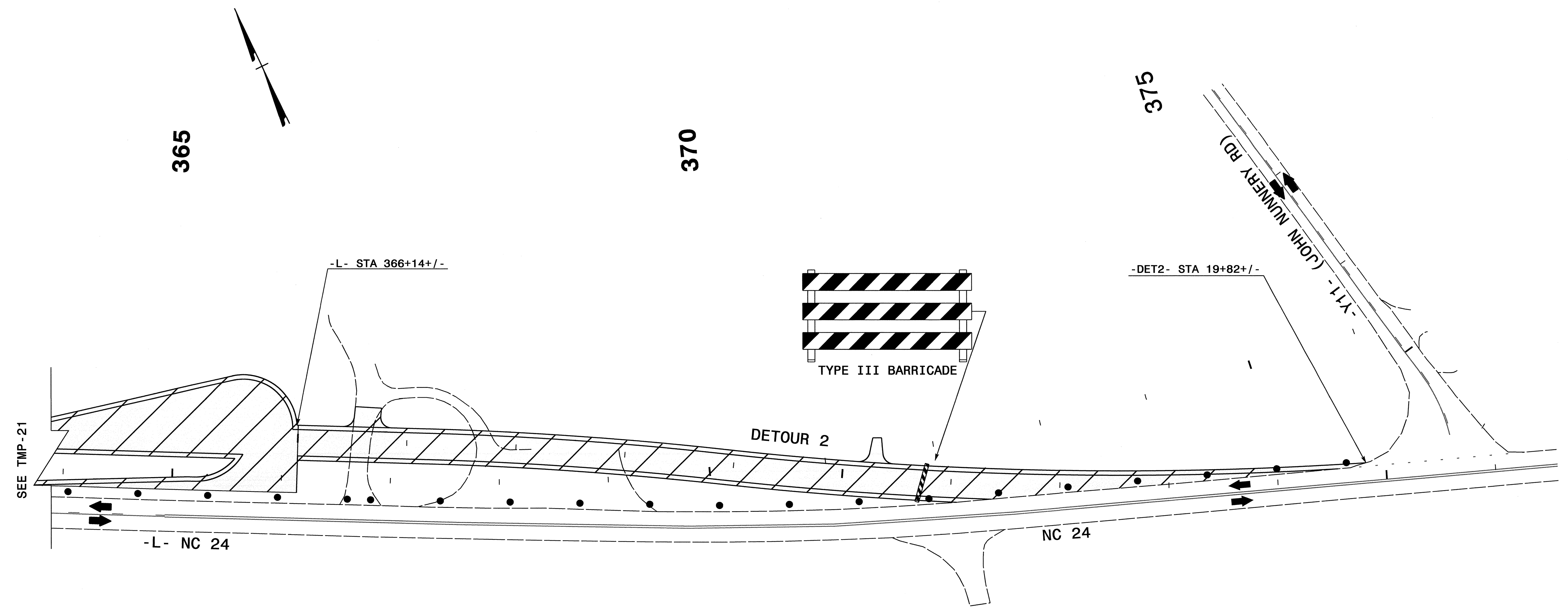
APPROVED: *[Signature]* DATE: 7/3/12

SEAL

DIVISION OF HIGHWAYS
DEPARTMENT OF TRANSPORTATION
NORTH CAROLINA

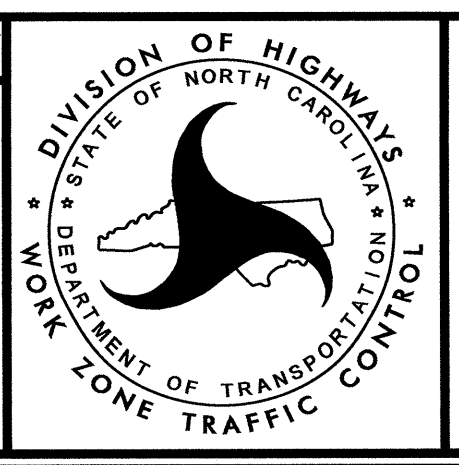
PHASE II
NC 24 -L-
DETOUR 5 &
DETOUR 7

03-JUL-2012 12:47 \\dot\dfsroot\01\proj\TIP\Projects-R\2303A\TrafficControl\TCP\R2303A_TC_p2.tmp21.dgn danielson AT 12248316

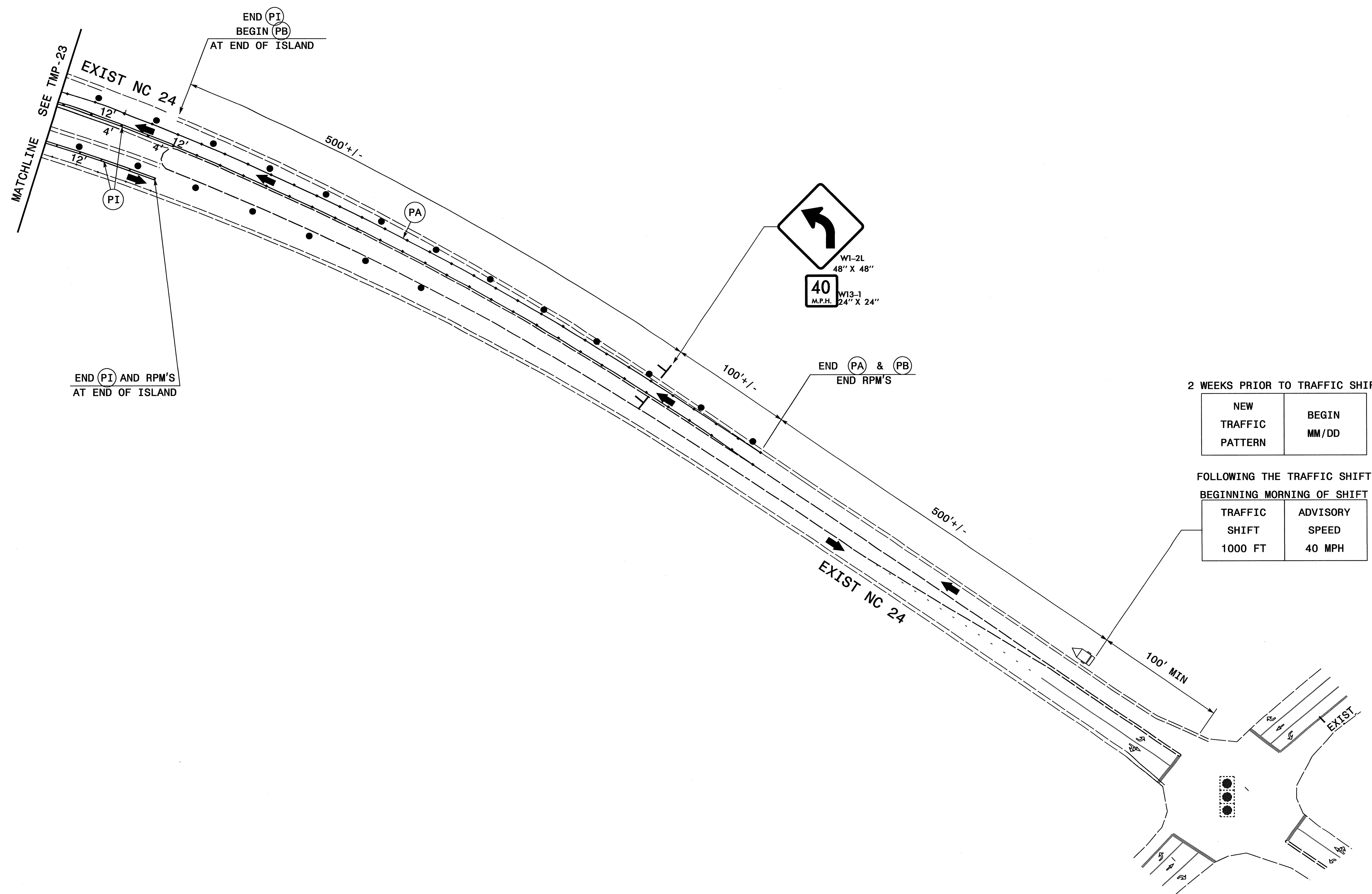


03-JUL-2012 12:48
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 garichardson AT 1E248316

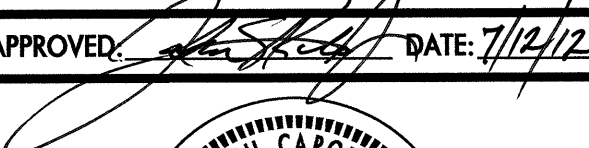
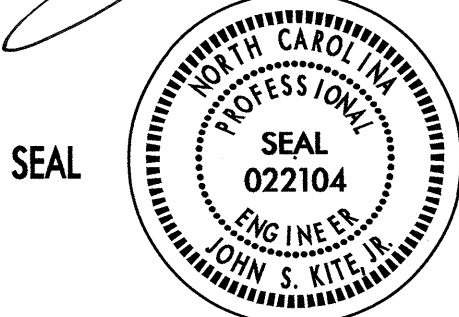
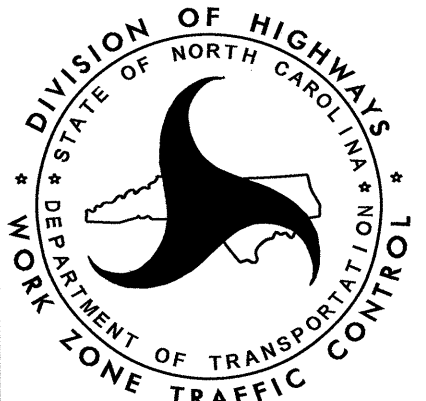
APPROVED: *[Signature]* DATE: 7/3/12
 SEAL

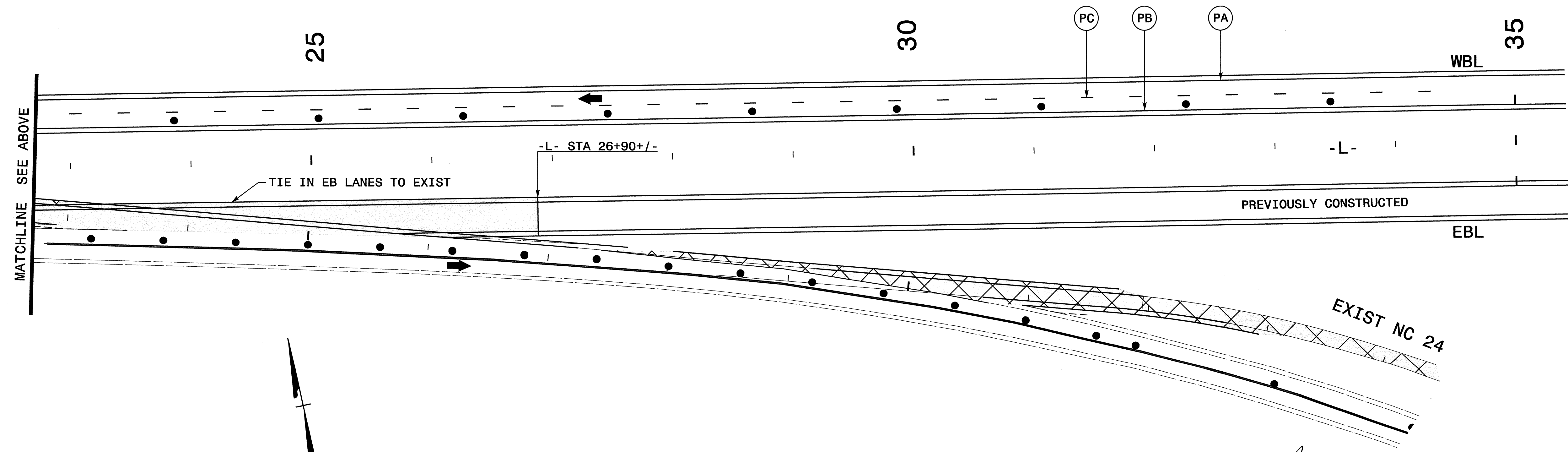
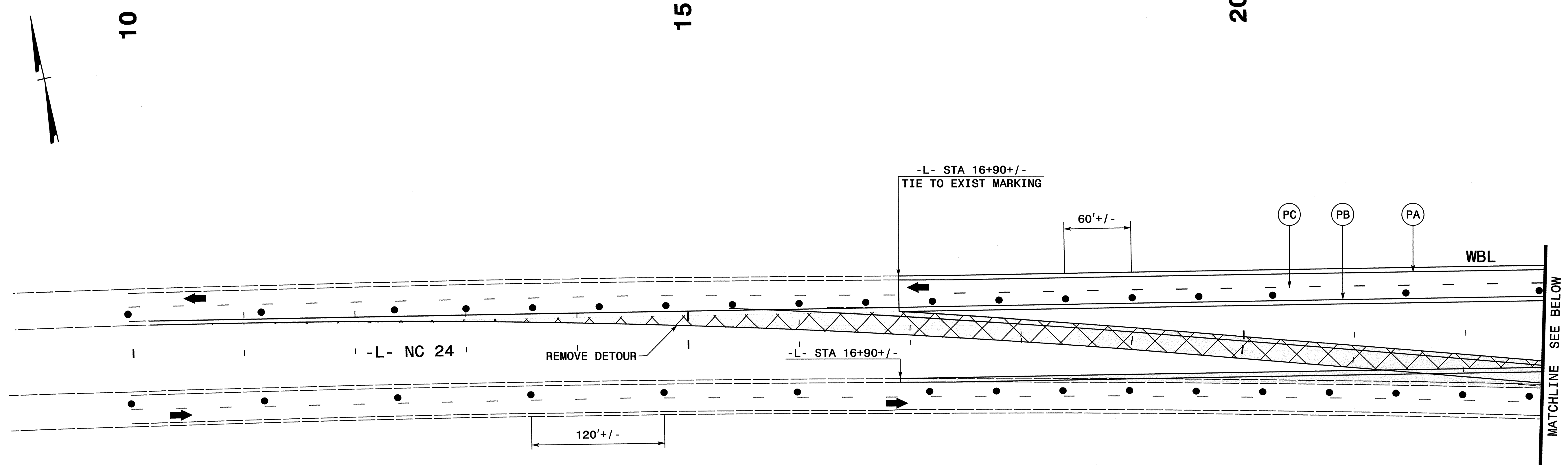


PHASE II
 NC 24 -L- &
 DETOUR 2



R:\JUL-2012\15002\010101\010101\TrafficControl\TCP\R2303A_TC.p2a.tmp23A.dgn
 07/12/12 9:24:37 AM
 J. Richardson

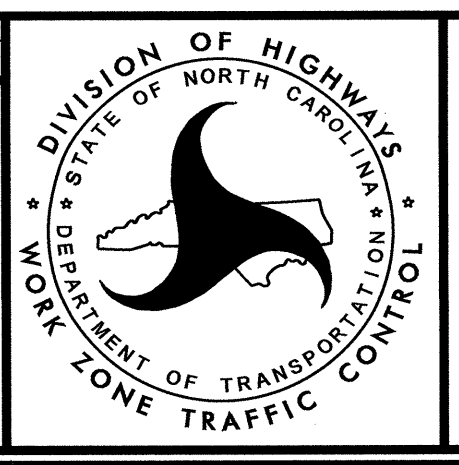
APPROVED:  DATE: 7/12/12 		PHASE II EAST END TIE IN
--	---	-------------------------------------



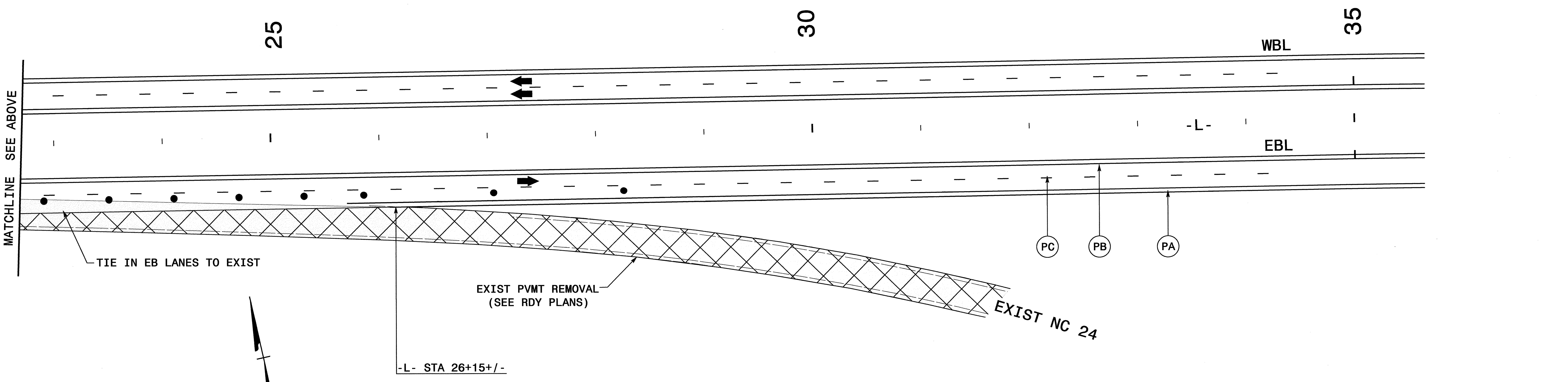
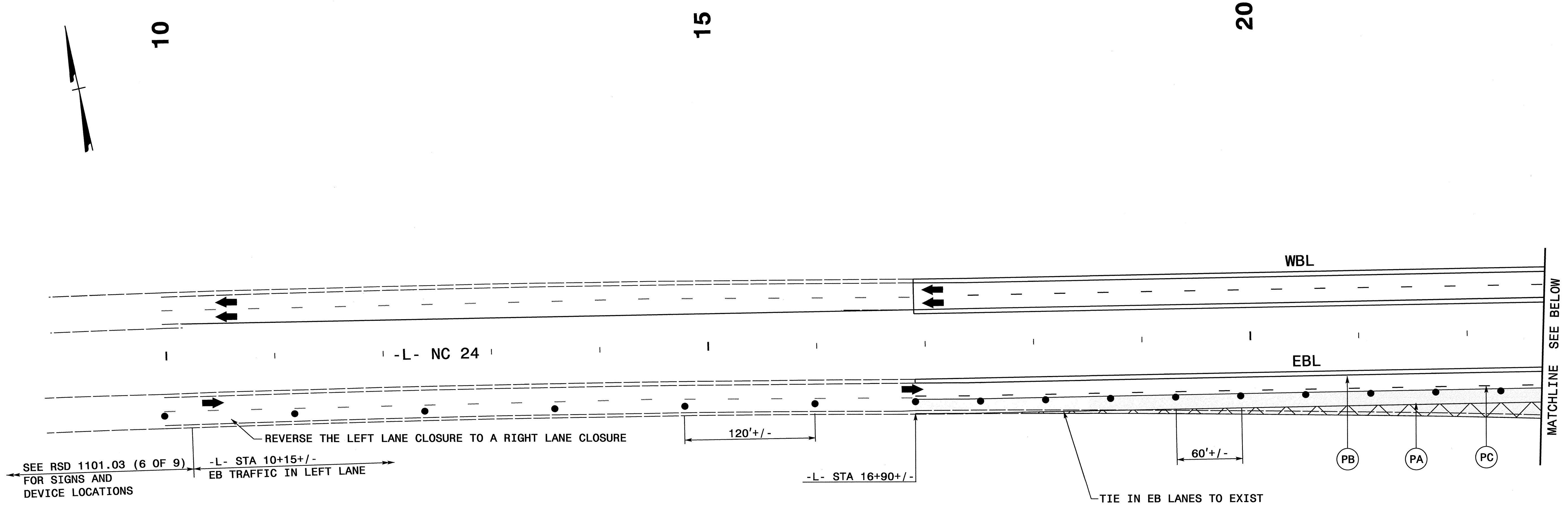
03-JUL-2012 12:50
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 darrichardson AT 1E248316

APPROVED: *[Signature]* DATE: 7/3/12

SEAL



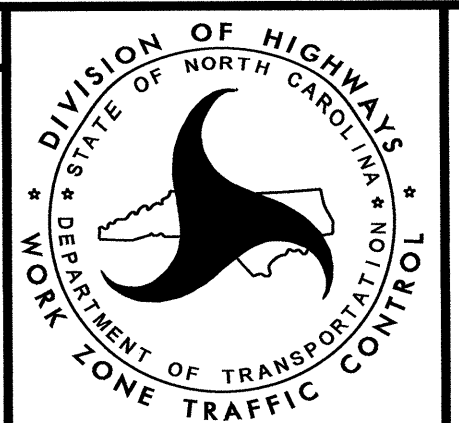
**PHASE III
EAST END TIE IN
(WB TRAFFIC SHIFTED)**



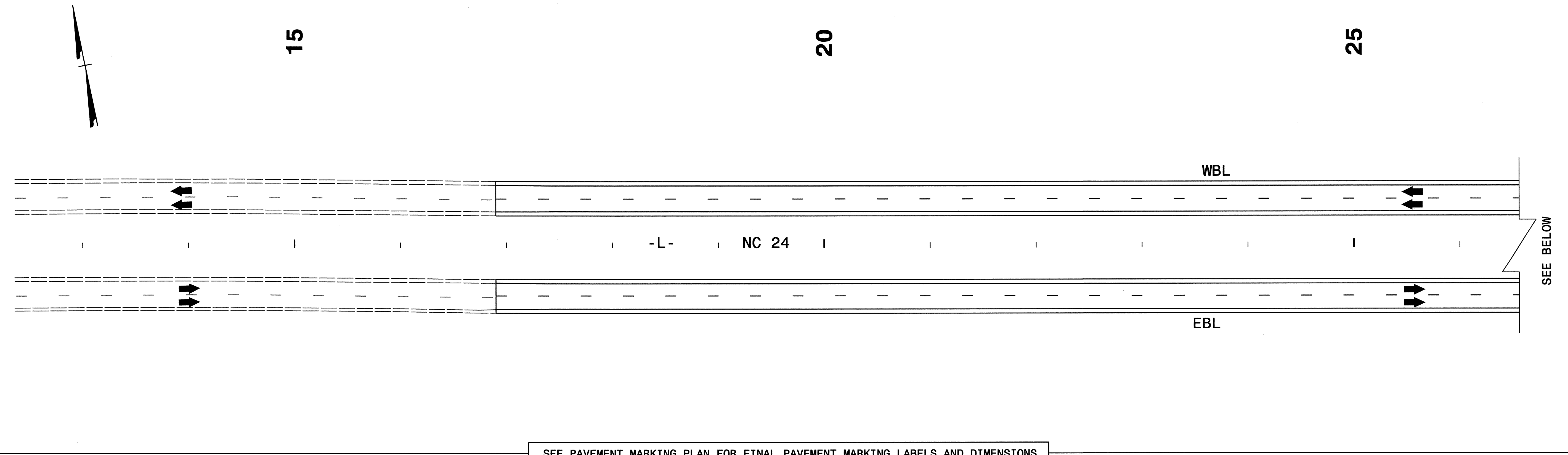
03-JUL-2012 12:50
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 darichardson AT 1248316

APPROVED: *[Signature]* DATE: 7/3/12

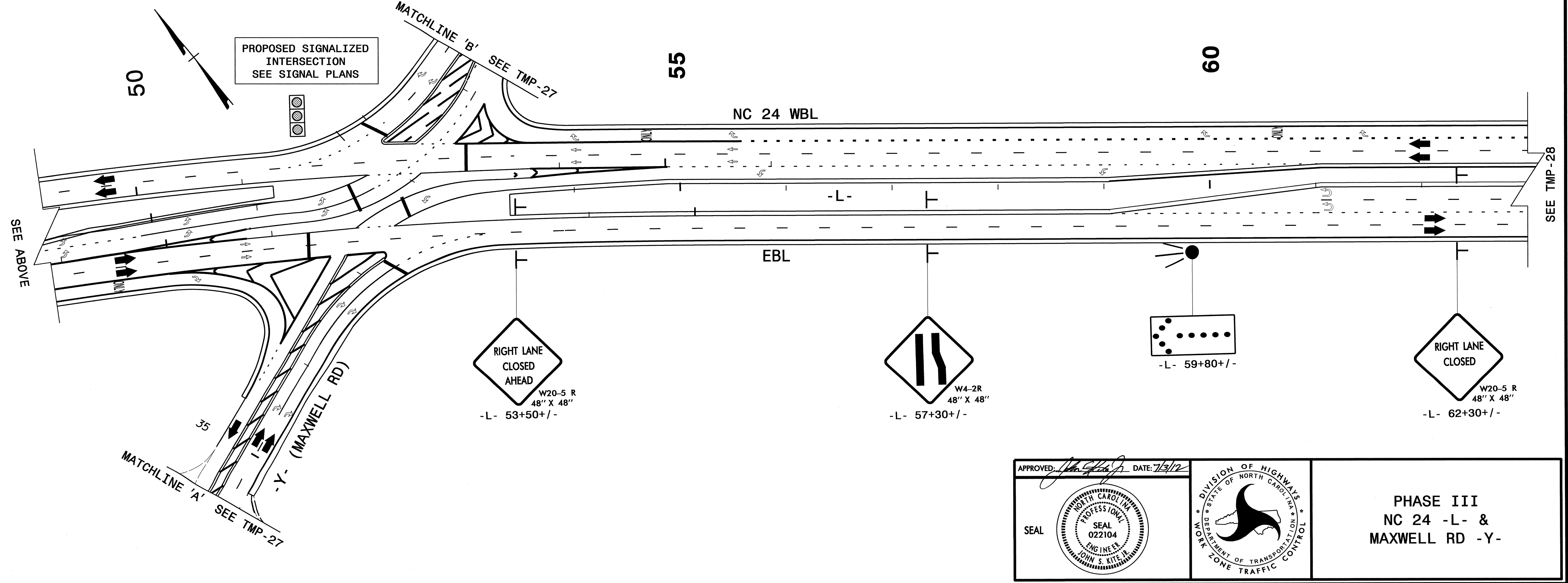
SEAL



**PHASE III
EAST END TIE IN
(EB & WB TRAFFIC SHIFTED)**



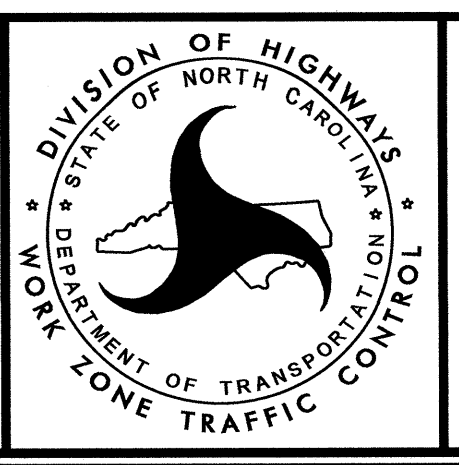
SEE PAVEMENT MARKING PLAN FOR FINAL PAVEMENT MARKING LABELS AND DIMENSIONS



APPROVED: *[Signature]* DATE: 7/3/12

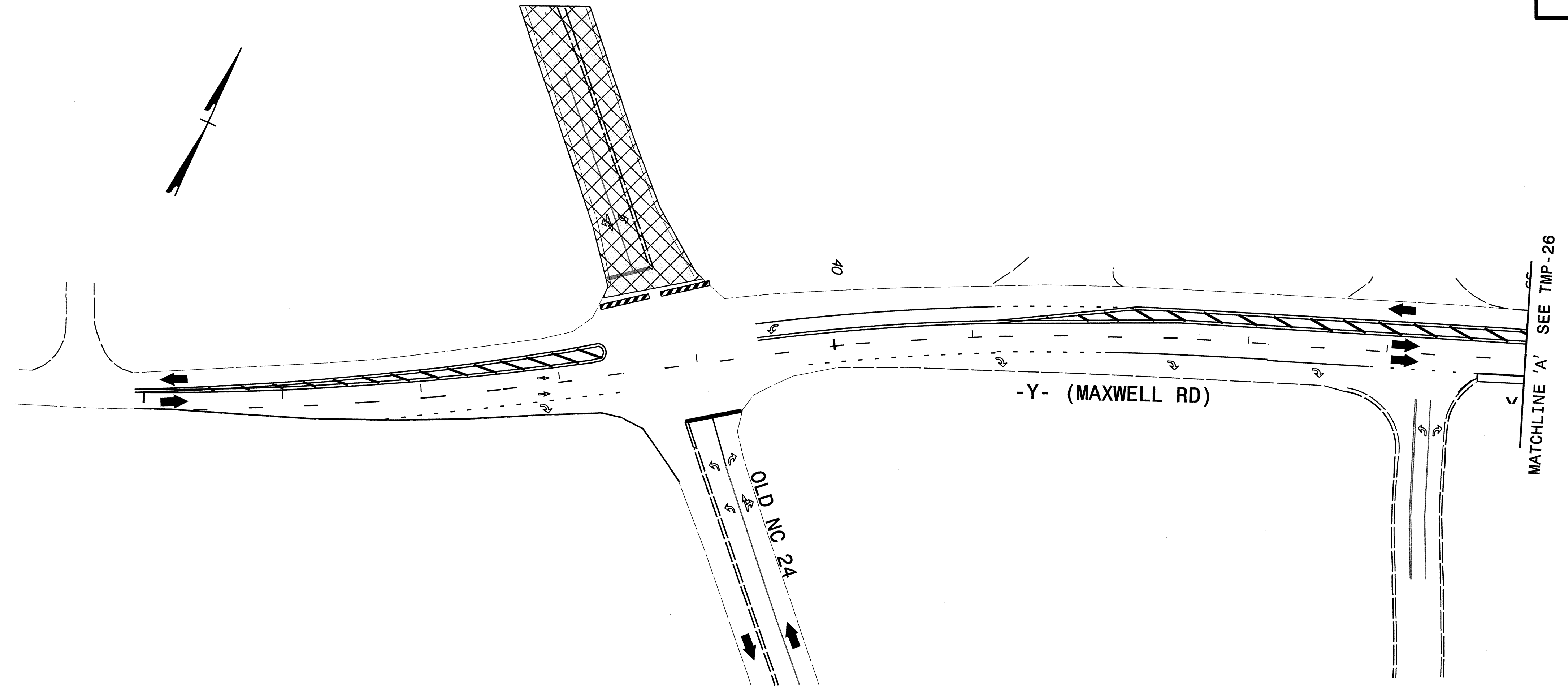
SEAL

PROFESSIONAL ENGINEER
SEAL 022104
ENGINEER
JOHN S. KITE, JR.

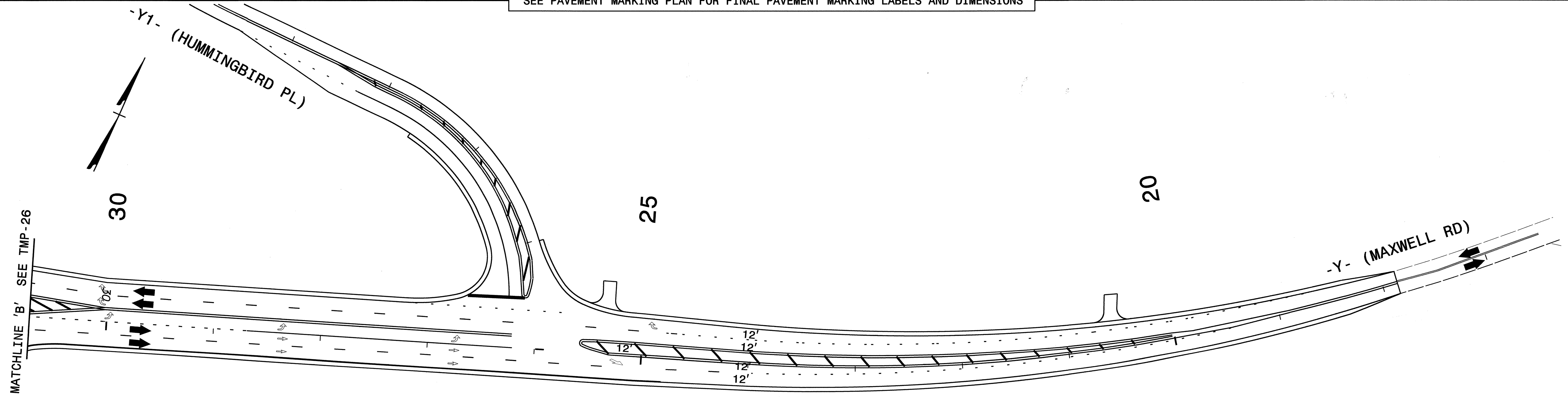


PHASE III
NC 24 -L- &
MAXWELL RD -Y-

03-JUL-2012 12:51
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 gerichardson AT 12248376

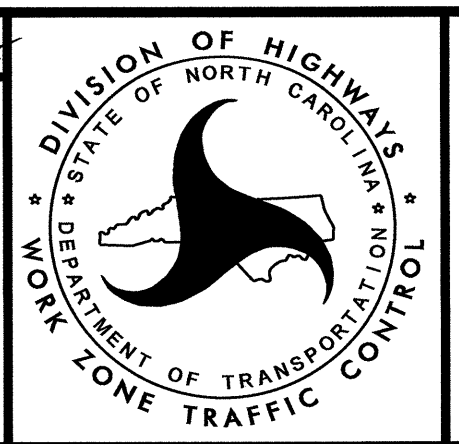


SEE PAVEMENT MARKING PLAN FOR FINAL PAVEMENT MARKING LABELS AND DIMENSIONS



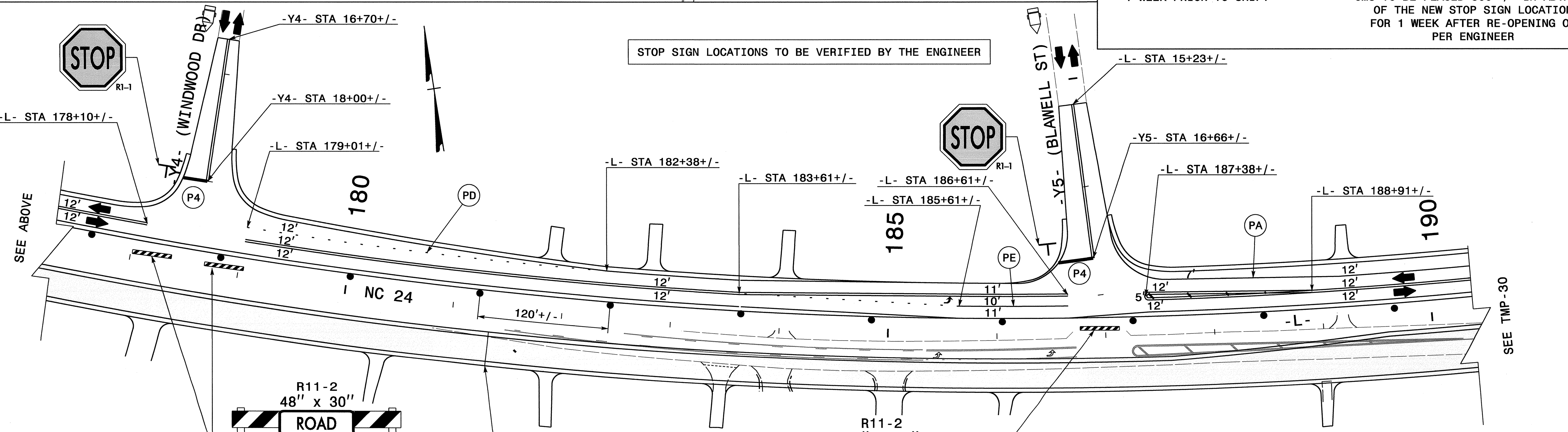
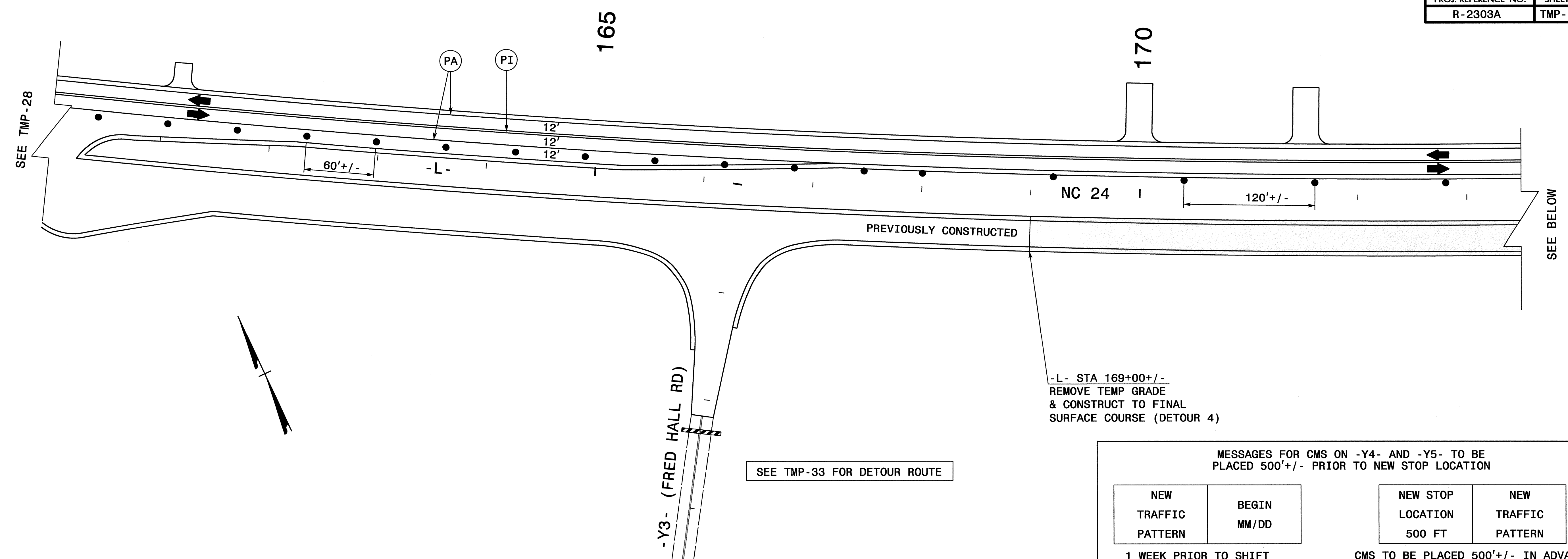
APPROVED: *[Signature]* DATE: 7/3/12

SEAL



PHASE III
MAXWELL RD -Y1- &
HUMMINGBIRD RD -Y1-

03-JUL-2012 12:51
 \\dot\dfsroot\p\ol\TIP\Projects-R\R2303A\TrafficControl\TCP\R2303A_TC_p3.tmp27.dgn
 derichardson AT 1E248316



SEE TMP-33 FOR DETOUR ROUTE

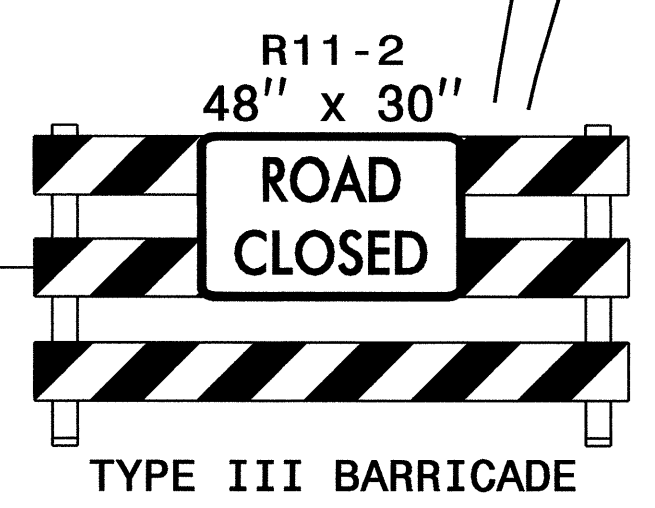
MESSAGES FOR CMS ON -Y4- AND -Y5- TO BE PLACED 500'+/- PRIOR TO NEW STOP LOCATION

NEW TRAFFIC PATTERN	BEGIN MM/DD	NEW STOP LOCATION 500 FT	NEW TRAFFIC PATTERN
---------------------	-------------	--------------------------	---------------------

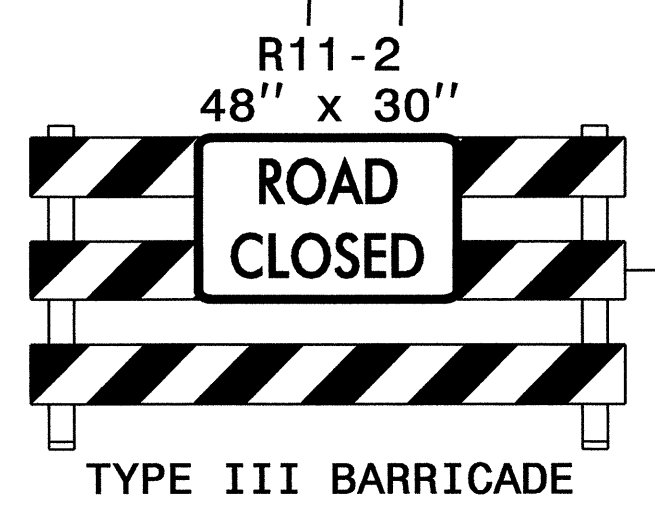
1 WEEK PRIOR TO SHIFT

CMS TO BE PLACED 500'+/- IN ADVANCE OF THE NEW STOP SIGN LOCATION FOR 1 WEEK AFTER RE-OPENING OR PER ENGINEER

STOP SIGN LOCATIONS TO BE VERIFIED BY THE ENGINEER



-L- STA 181+35+/-
REMOVE TEMP GRADE & CONSTRUCT TO FINAL SURFACE COURSE (DETOUR 4)



APPROVED: *[Signature]* DATE: 7/3/12

SEAL

PHASE III
NC 24 -L- &
DETOUR 4

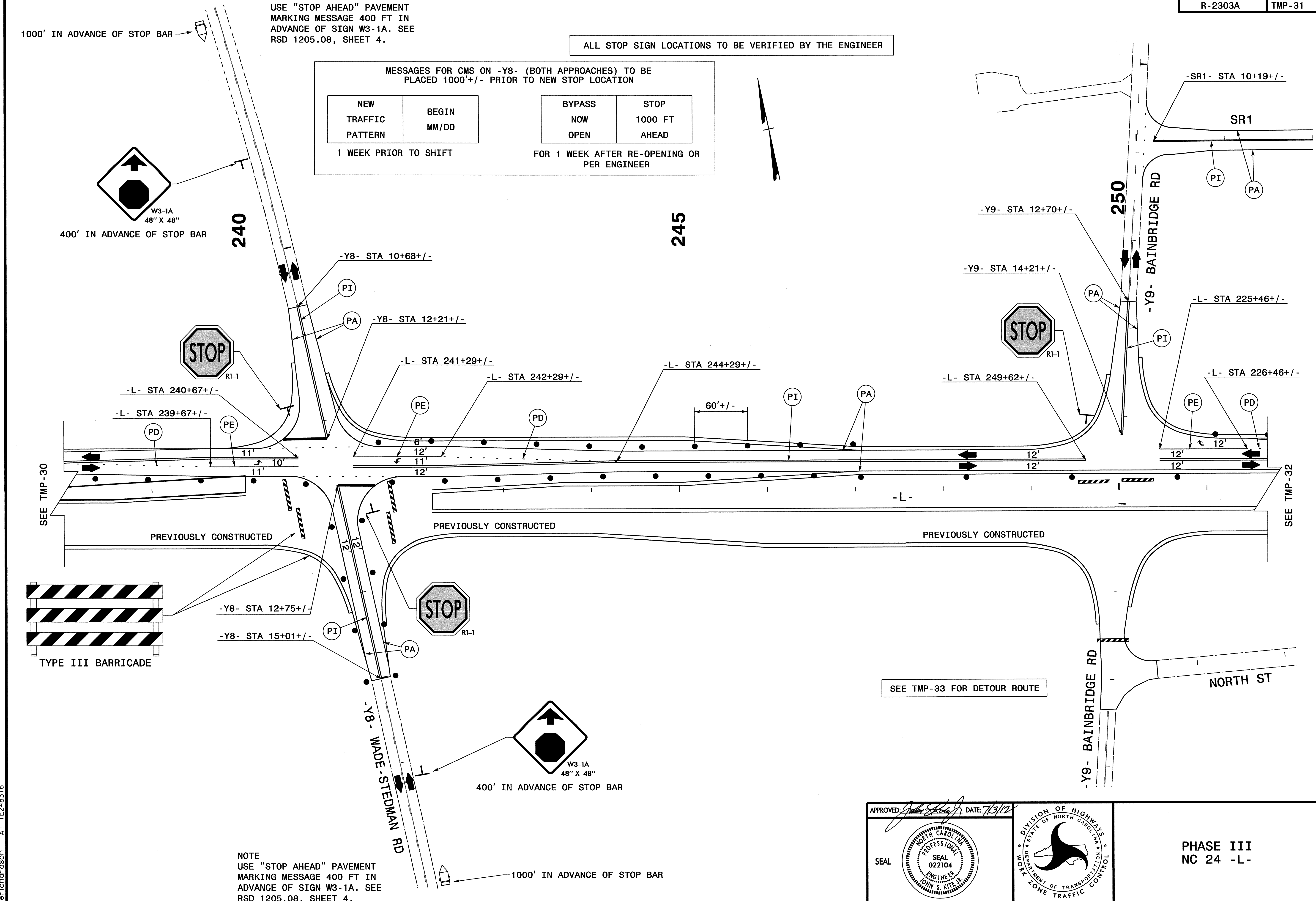
03-JUL-2012 12:53
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 AT TE248376
 derichardson

NOTE
USE "STOP AHEAD" PAVEMENT
MARKING MESSAGE 400 FT IN
ADVANCE OF SIGN W3-1A. SEE
RSD 1205.08, SHEET 4.

ALL STOP SIGN LOCATIONS TO BE VERIFIED BY THE ENGINEER

MESSAGES FOR CMS ON -Y8- (BOTH APPROACHES) TO BE
PLACED 1000'+/- PRIOR TO NEW STOP LOCATION

NEW TRAFFIC PATTERN	BEGIN MM/DD	BYPASS NOW OPEN	STOP 1000 FT AHEAD
1 WEEK PRIOR TO SHIFT		FOR 1 WEEK AFTER RE-OPENING OR PER ENGINEER	



SEE TMP-30

SEE TMP-32

SEE TMP-33 FOR DETOUR ROUTE

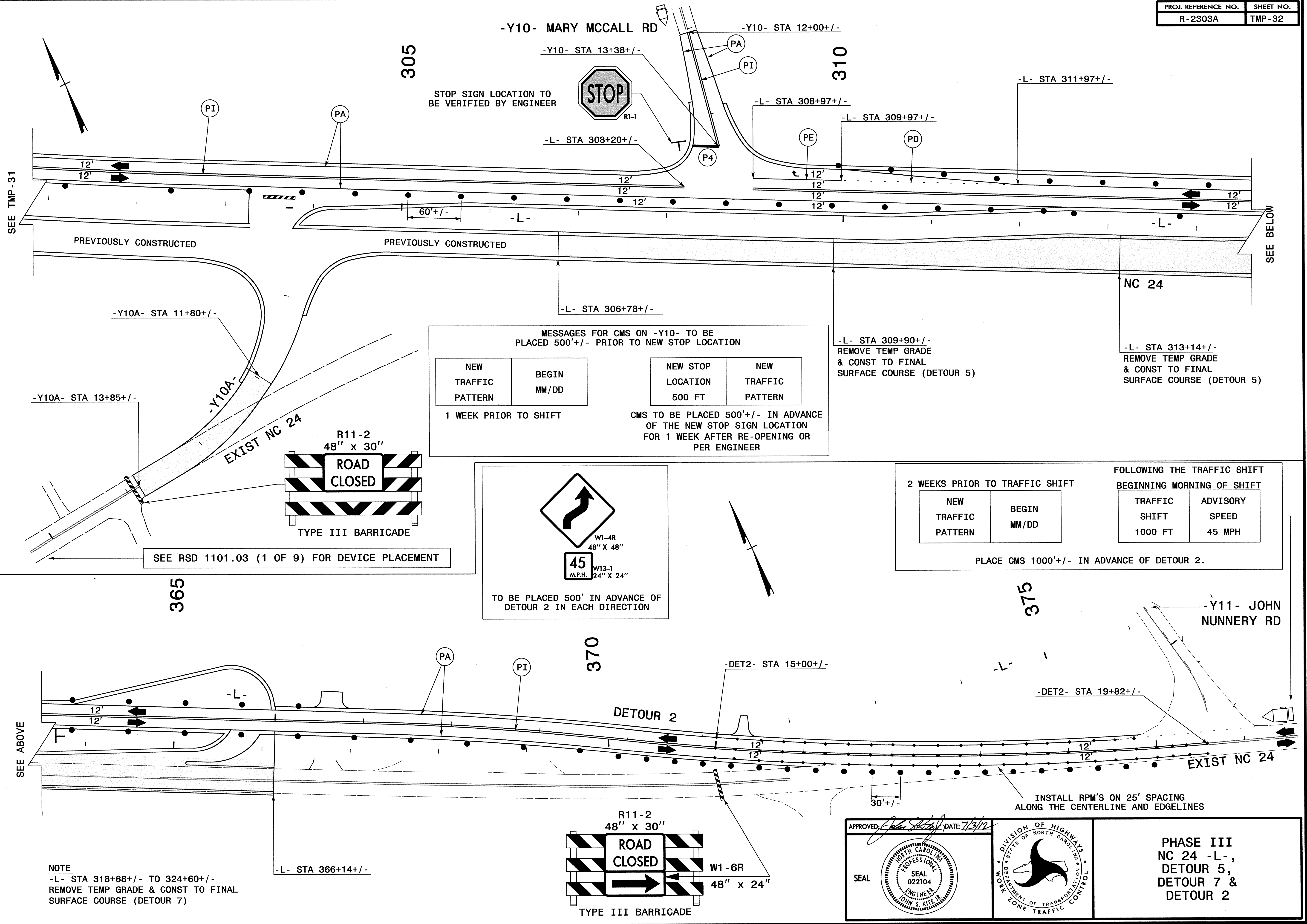
03-JUL-2012 12:56
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 AT TE248376
 der\char\son

NOTE
USE "STOP AHEAD" PAVEMENT
MARKING MESSAGE 400 FT IN
ADVANCE OF SIGN W3-1A. SEE
RSD 1205.08, SHEET 4.

APPROVED: *[Signature]* DATE: 7/3/12

SEAL

PHASE III
NC 24 -L-



MESSAGES FOR CMS ON -Y10- TO BE PLACED 500'+/- PRIOR TO NEW STOP LOCATION

NEW TRAFFIC PATTERN	BEGIN MM/DD	NEW STOP LOCATION 500 FT	NEW TRAFFIC PATTERN
1 WEEK PRIOR TO SHIFT			

CMS TO BE PLACED 500'+/- IN ADVANCE OF THE NEW STOP SIGN LOCATION FOR 1 WEEK AFTER RE-OPENING OR PER ENGINEER

2 WEEKS PRIOR TO TRAFFIC SHIFT

NEW TRAFFIC PATTERN	BEGIN MM/DD
PLACE CMS 1000'+/- IN ADVANCE OF DETOUR 2.	

FOLLOWING THE TRAFFIC SHIFT BEGINNING MORNING OF SHIFT

TRAFFIC SHIFT 1000 FT	ADVISORY SPEED 45 MPH
-----------------------	-----------------------

TO BE PLACED 500' IN ADVANCE OF DETOUR 2 IN EACH DIRECTION

SEE RSD 1101.03 (1 OF 9) FOR DEVICE PLACEMENT

INSTALL RPM'S ON 25' SPACING ALONG THE CENTERLINE AND EDGLINES

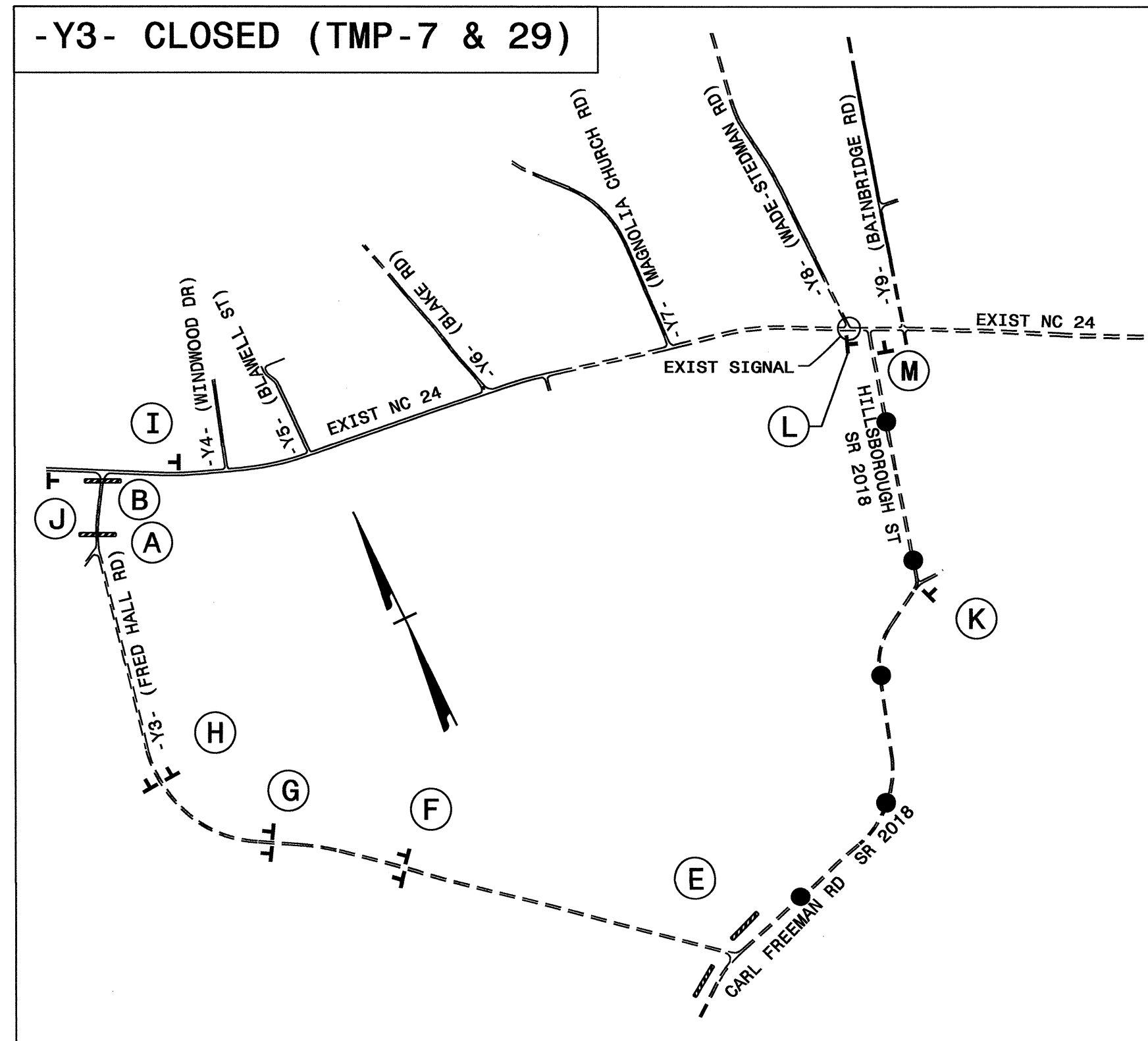
NOTE
-L- STA 318+68+/- TO 324+60+/-
REMOVE TEMP GRADE & CONST TO FINAL SURFACE COURSE (DETOUR 7)

APPROVED: *[Signature]* DATE: 7/3/12

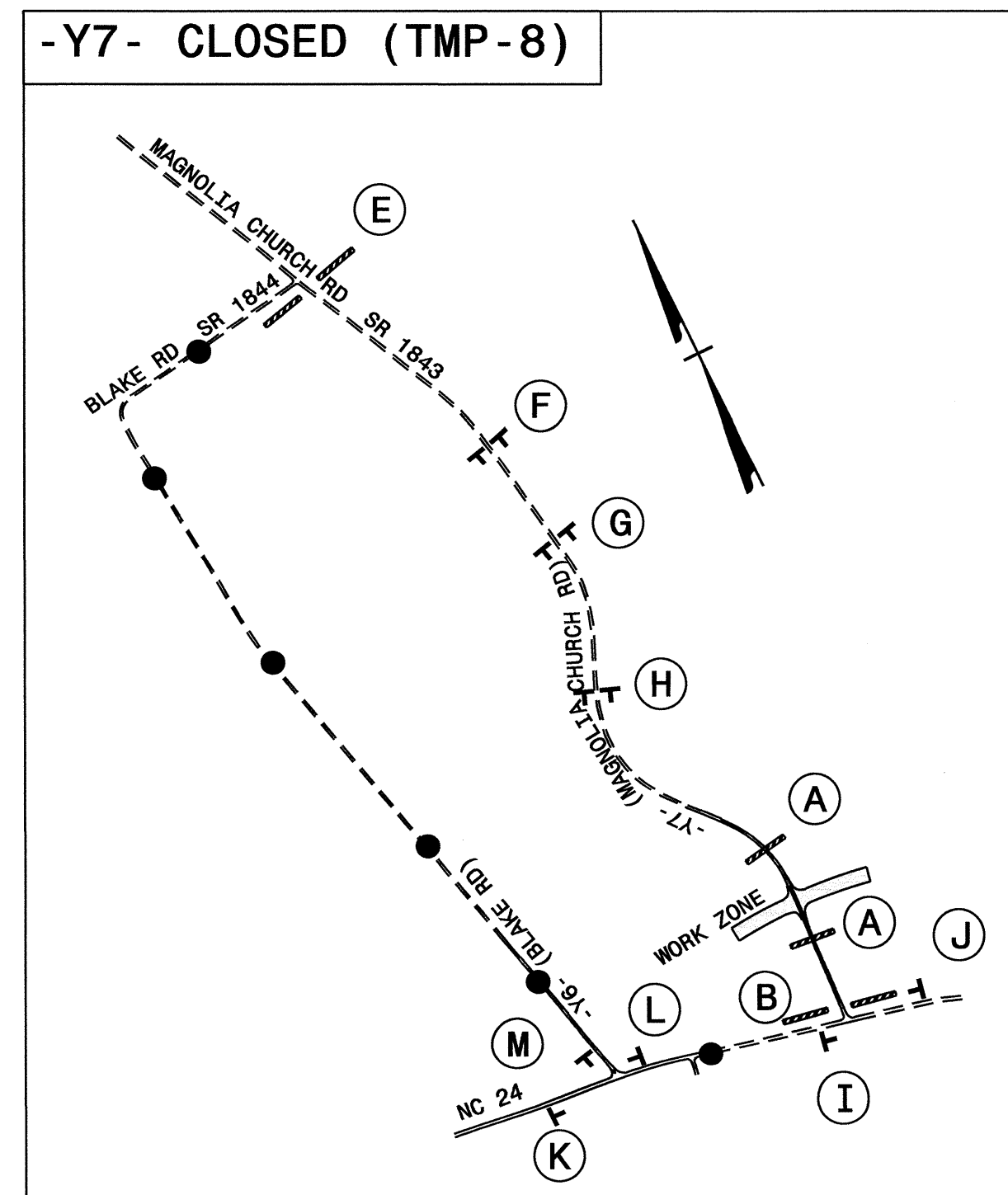
PHASE III
NC 24 -L-,
DETOUR 5,
DETOUR 7 &
DETOUR 2

03-JUL-2012 12:57
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 gerichardson AT 1E248316

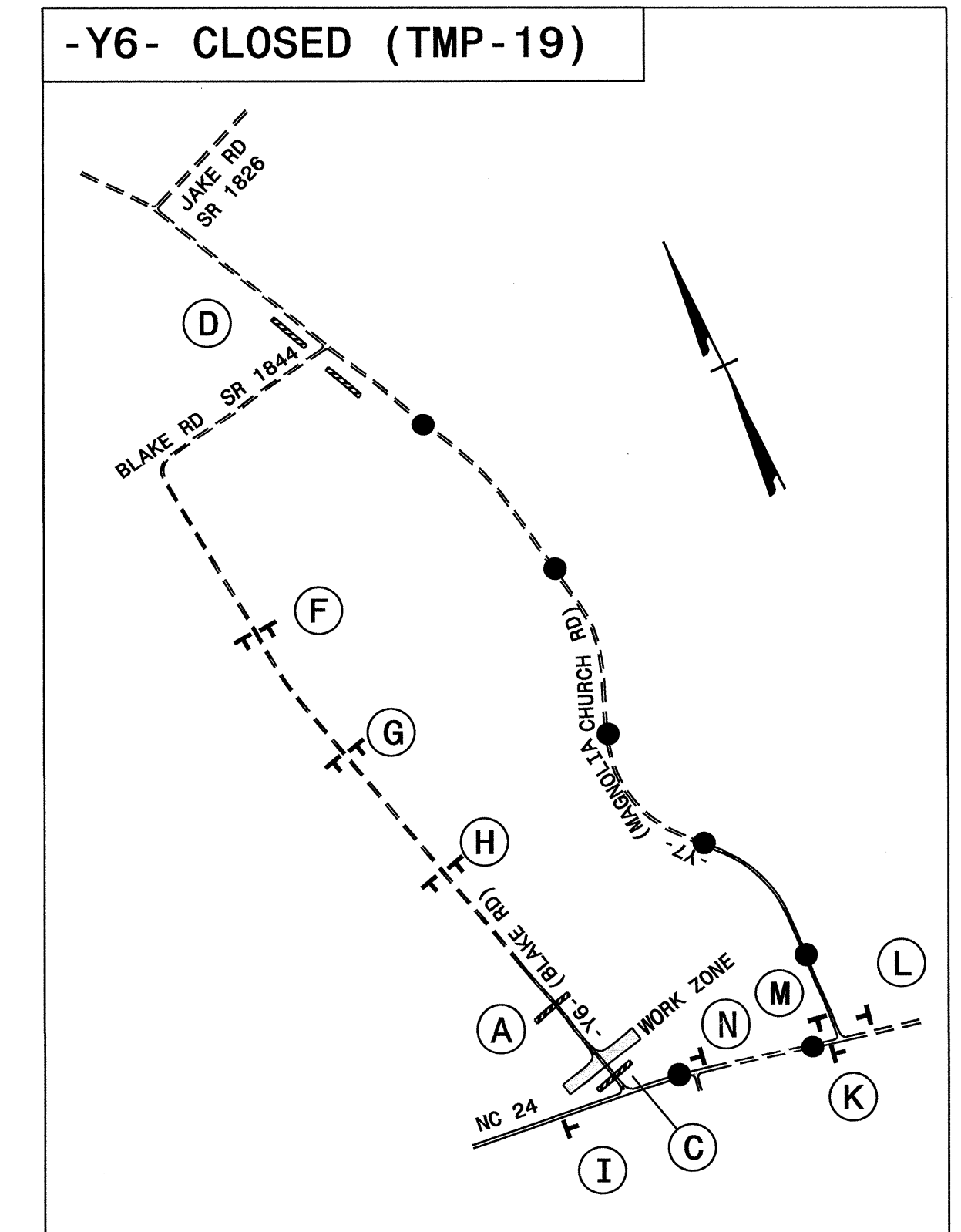
DETAIL 1



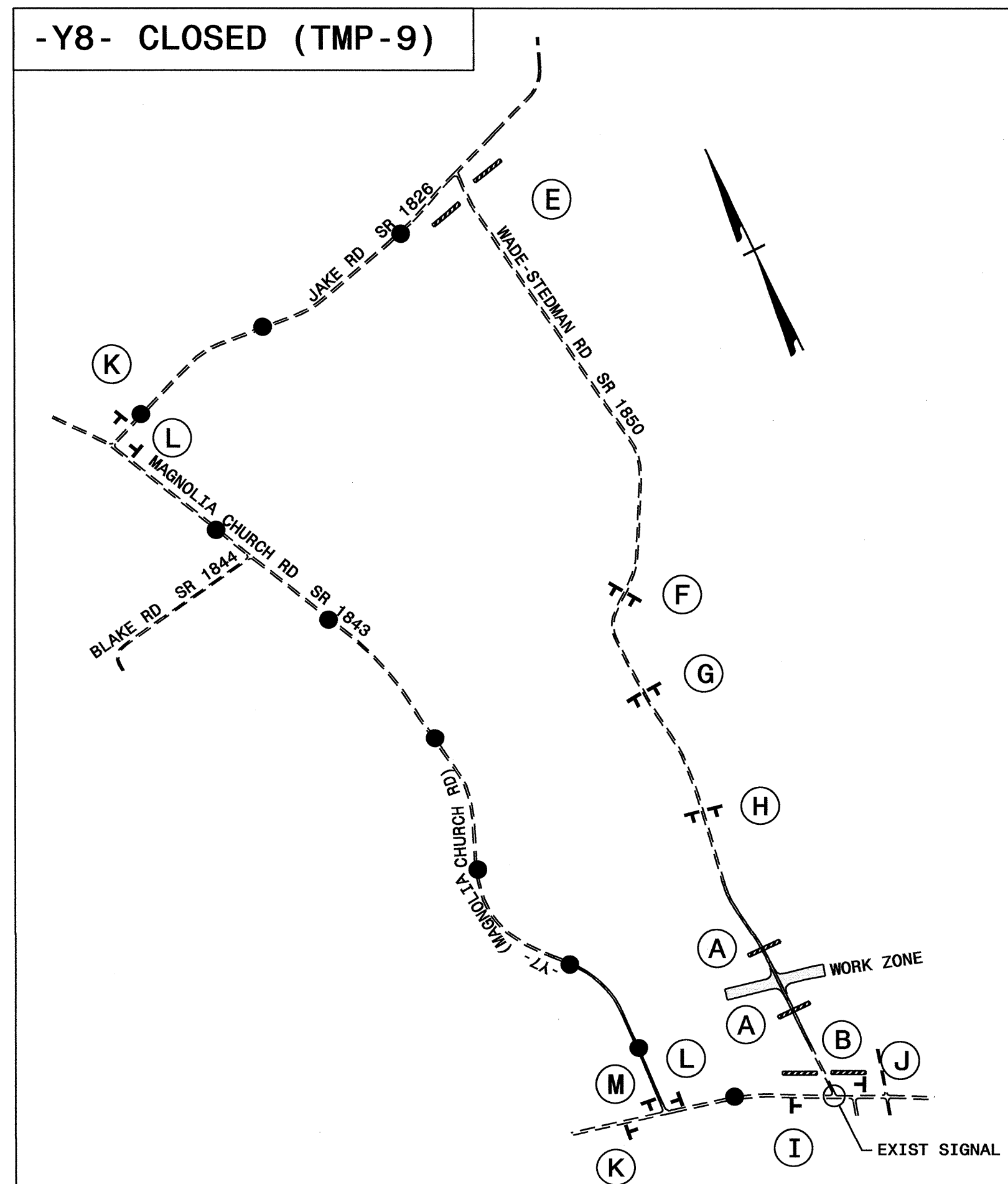
DETAIL 2



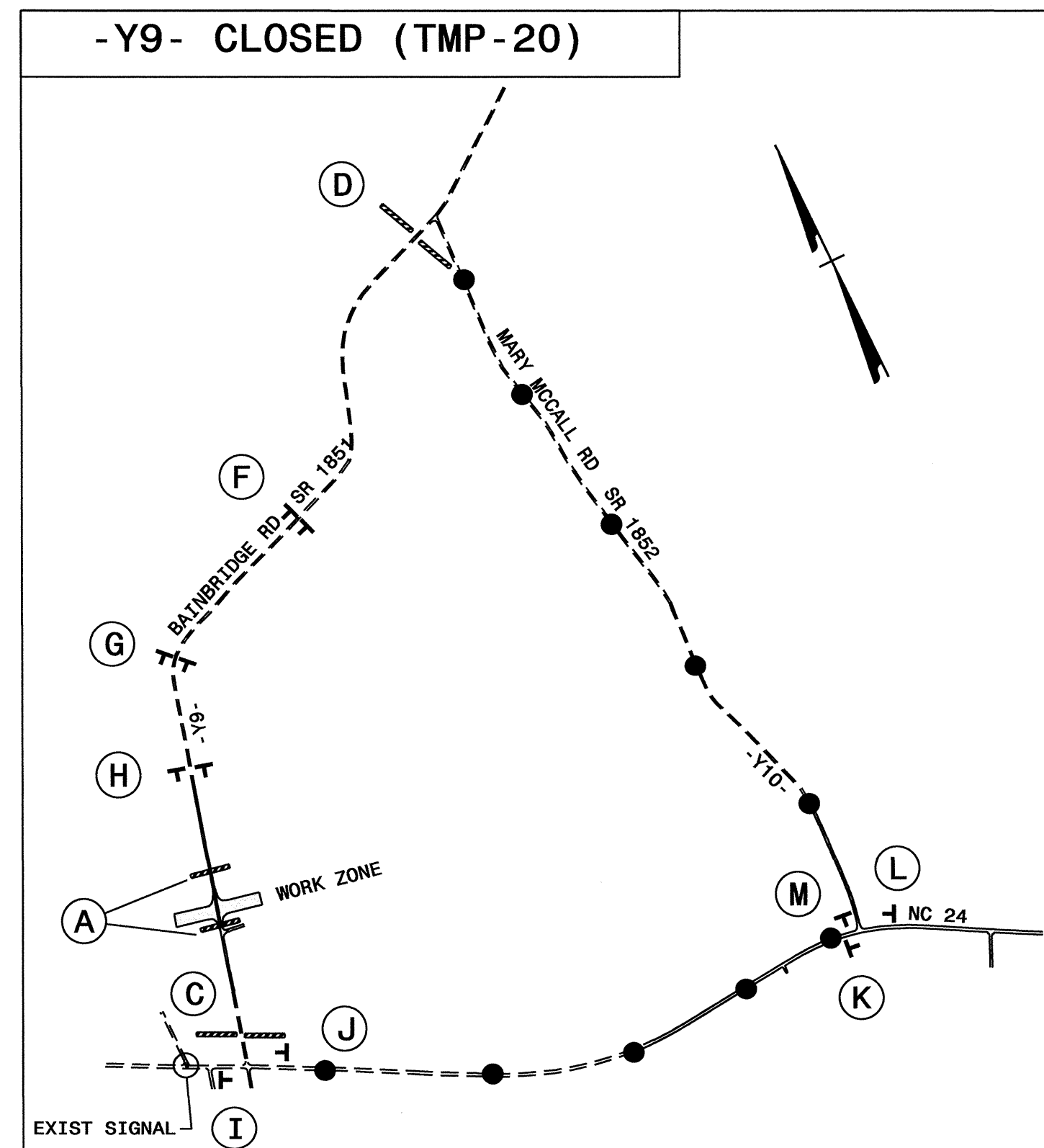
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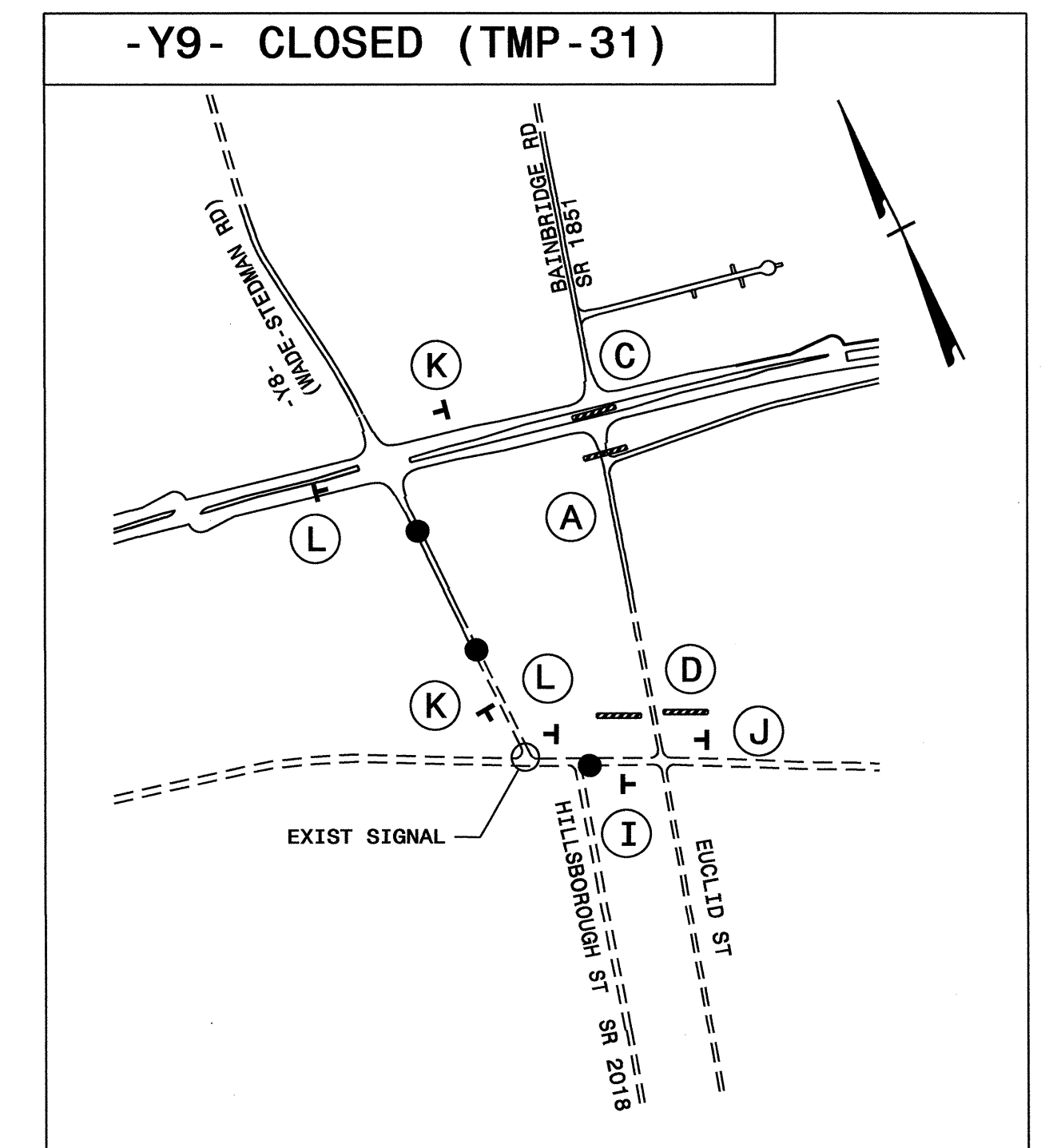
DETAIL 4



DETAIL 5



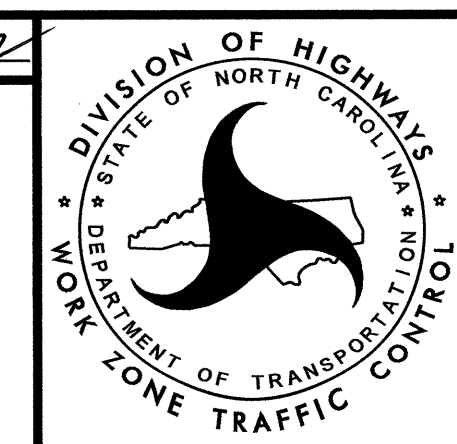
DETAIL 6



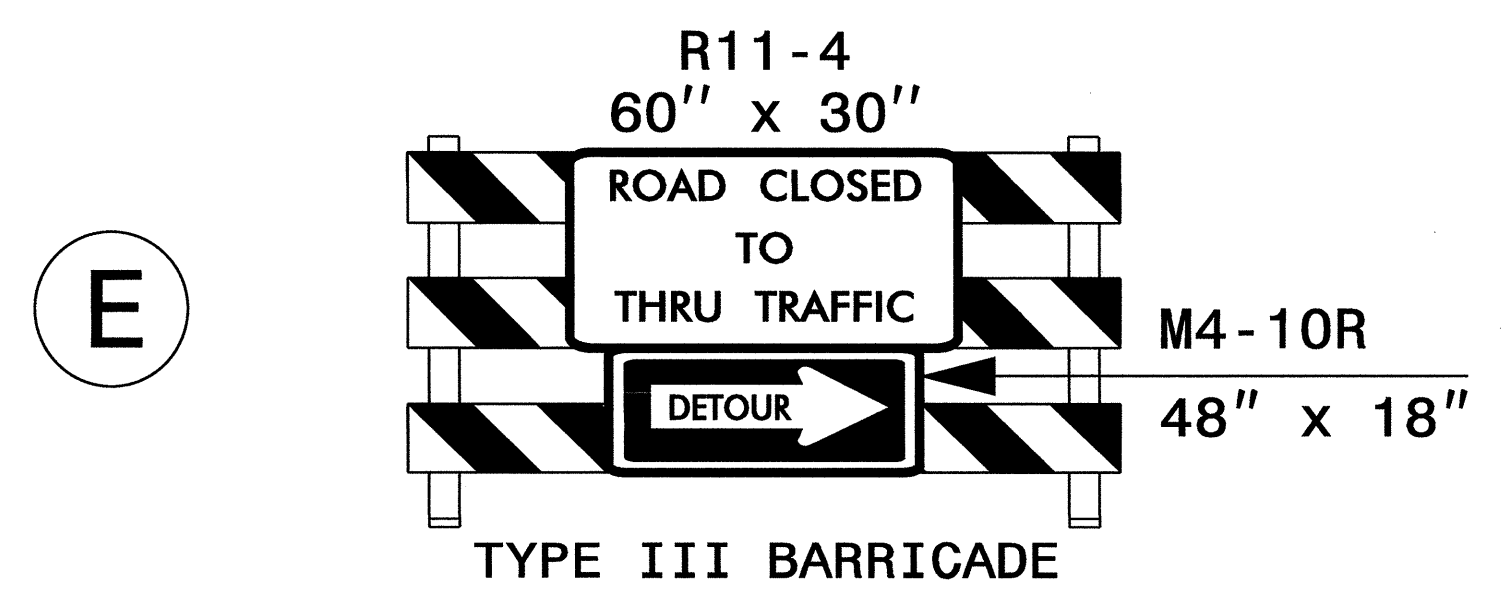
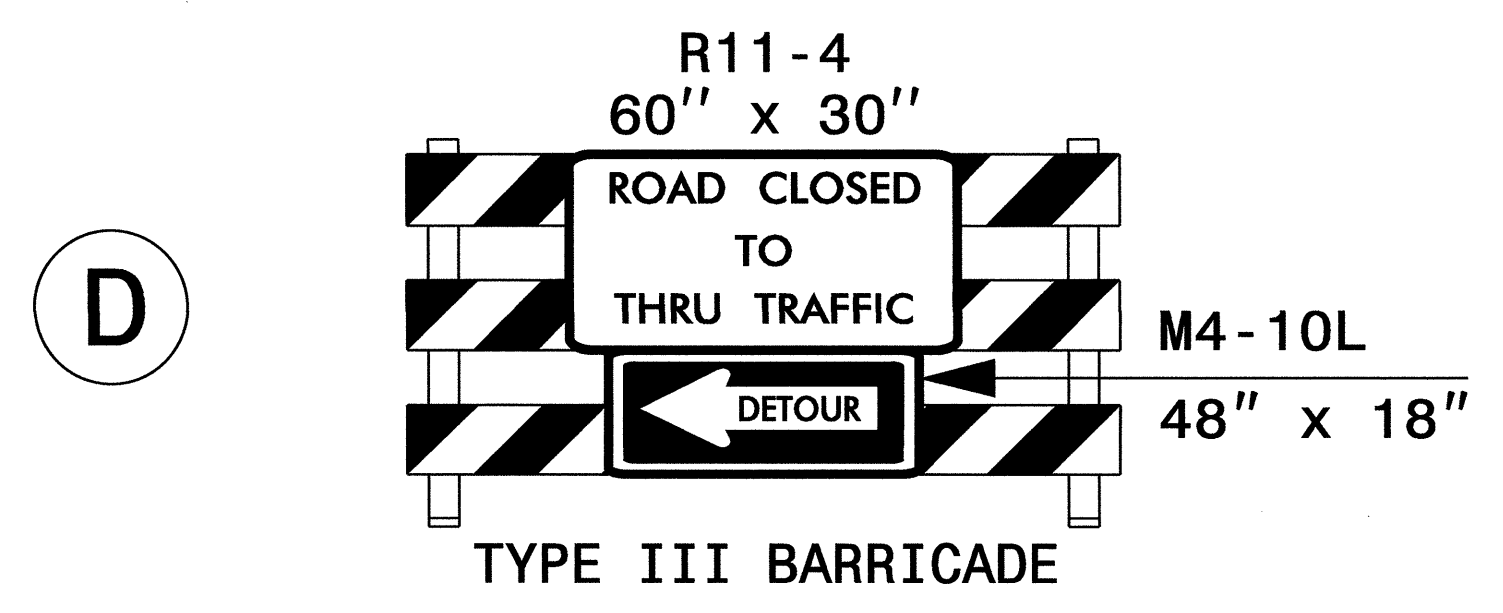
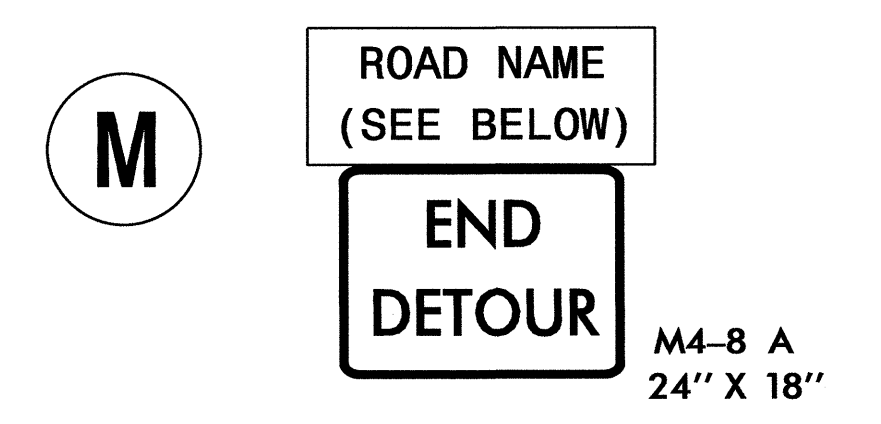
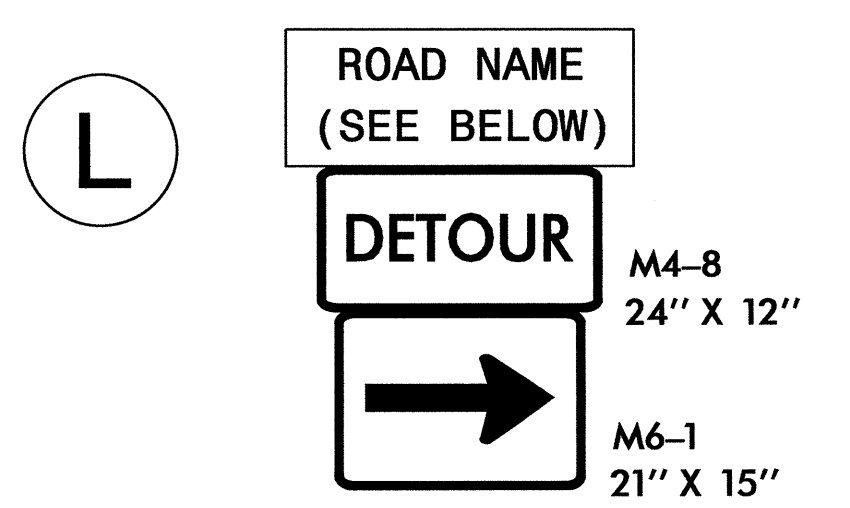
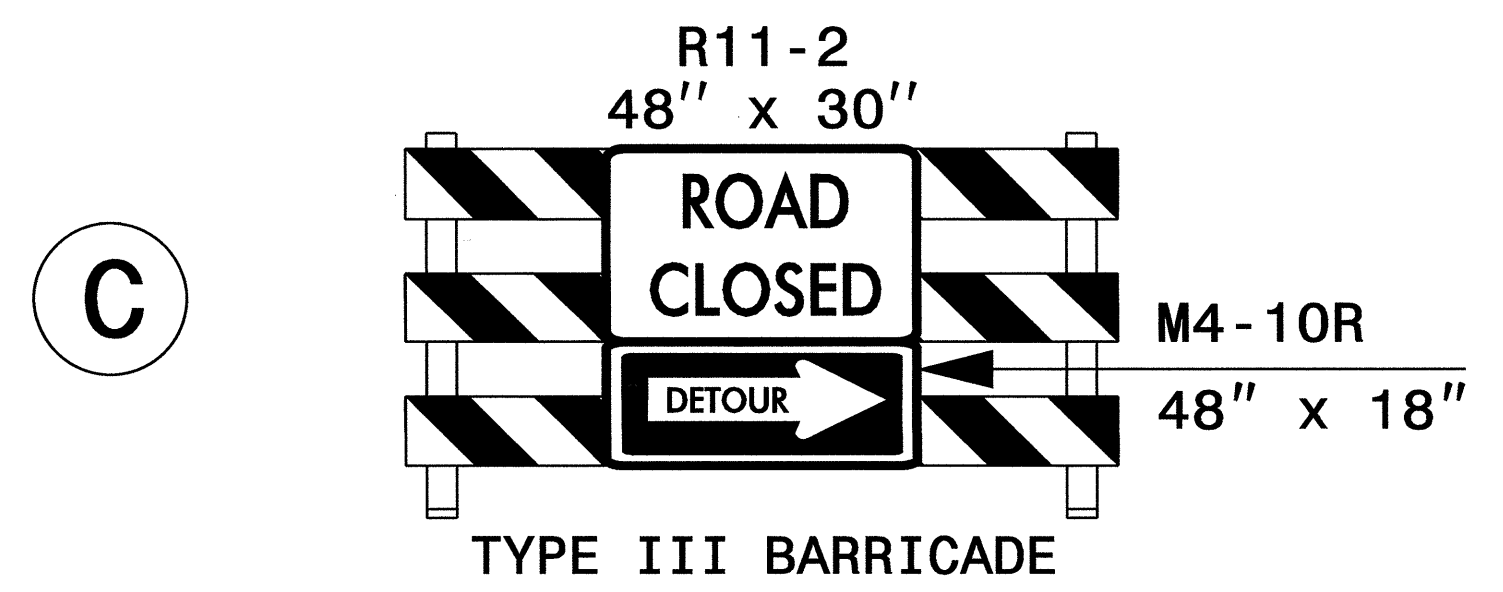
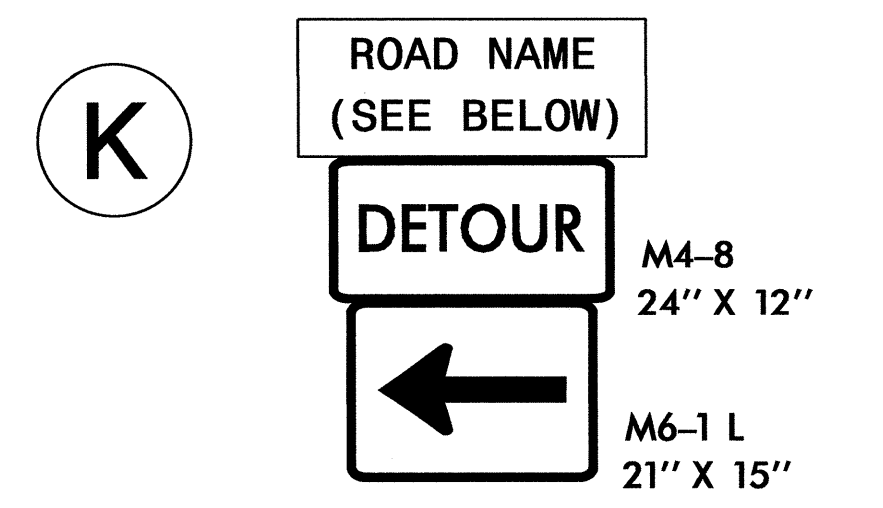
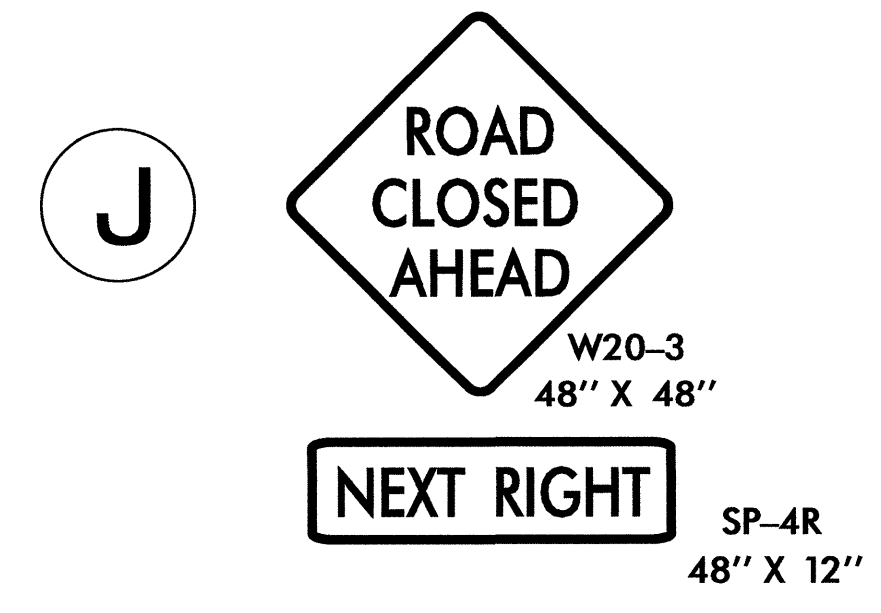
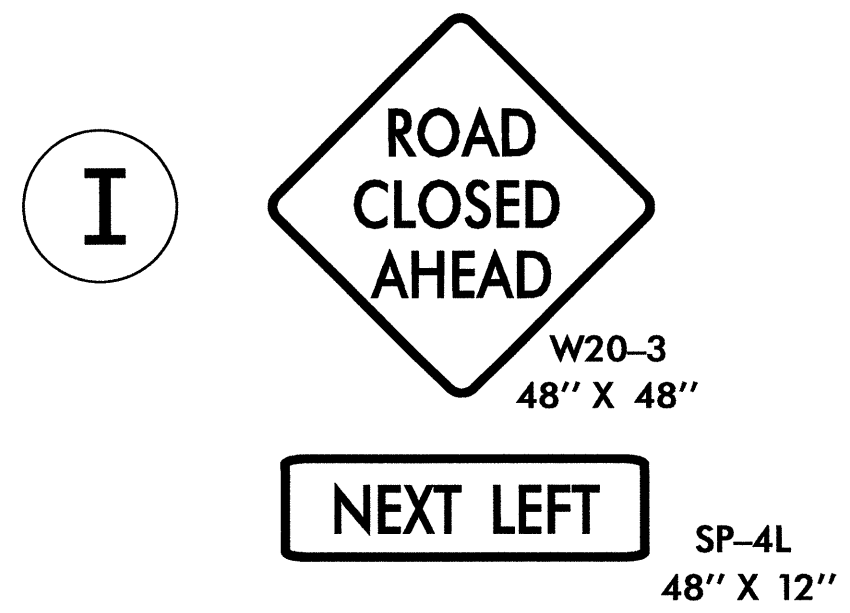
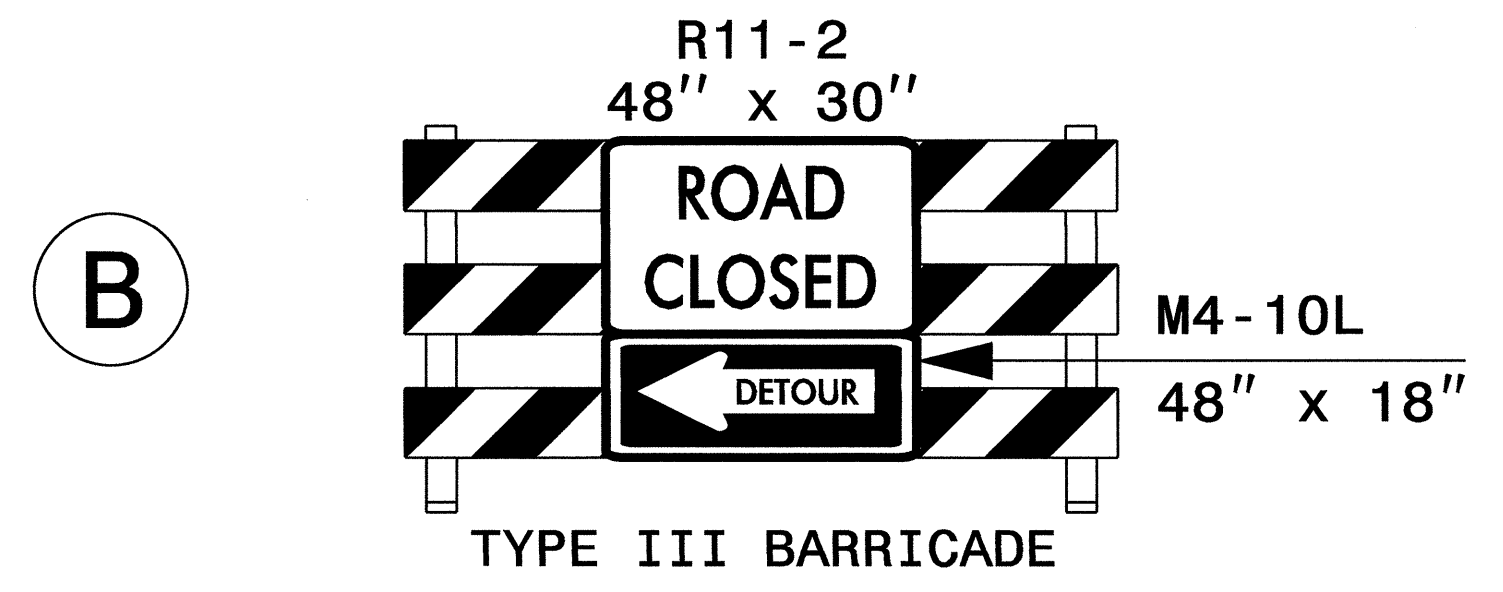
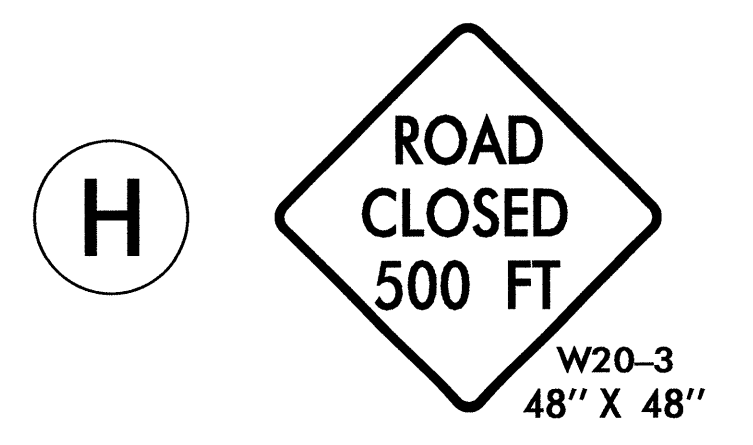
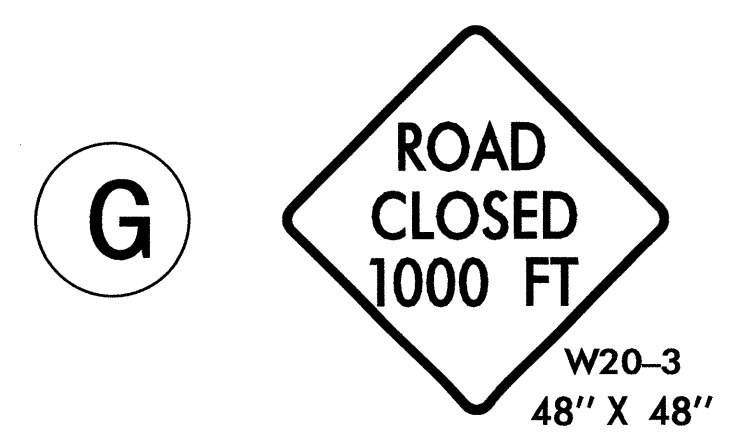
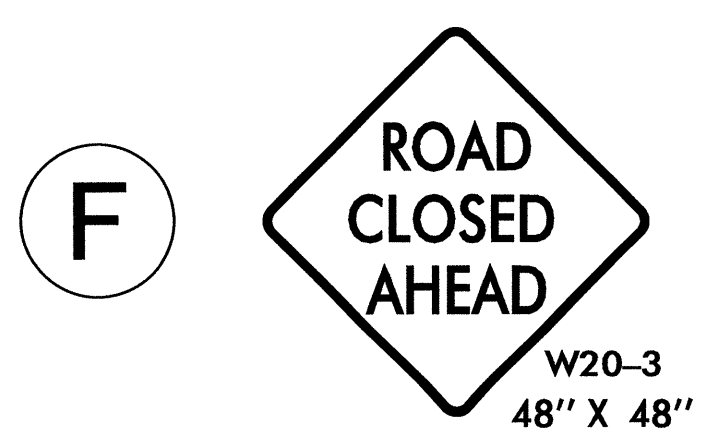
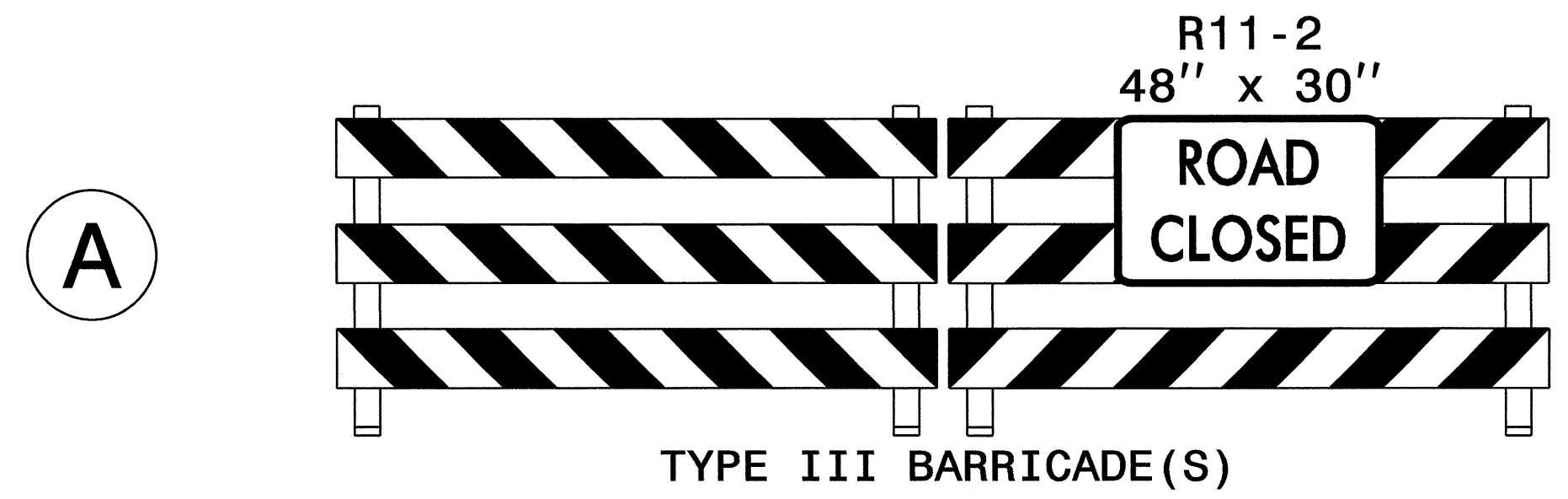
03-JUL-2012 12:58
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 AT 12:48:316
 derichardson

APPROVED: *John Kite* DATE: 7/3/12

SEAL



**OFF SITE
DETOUR ROUTES**



SPECIAL SIGNS FOR USE WITH ALL
DETOUR TRAILBLAZING SIGN ASSEMBLIES
(SEE SD-1 FOR SPECIAL DESIGNS)

DETAIL 1 -	FRED HALL RD
DETAIL 2 -	MAGNOLIA CHURCH RD
DETAIL 3 -	BLAKE RD
DETAIL 4 -	WADE STEDMAN RD
DETAIL 5 -	BAINBRIDGE RD
DETAIL 6 -	BAINBRIDGE RD

APPROVED: *[Signature]* DATE: 7/13/12

SEAL

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

OFF SITE
DETOUR ROUTE
SIGNS AND DEVICES

03-JUL-2012 12:58
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