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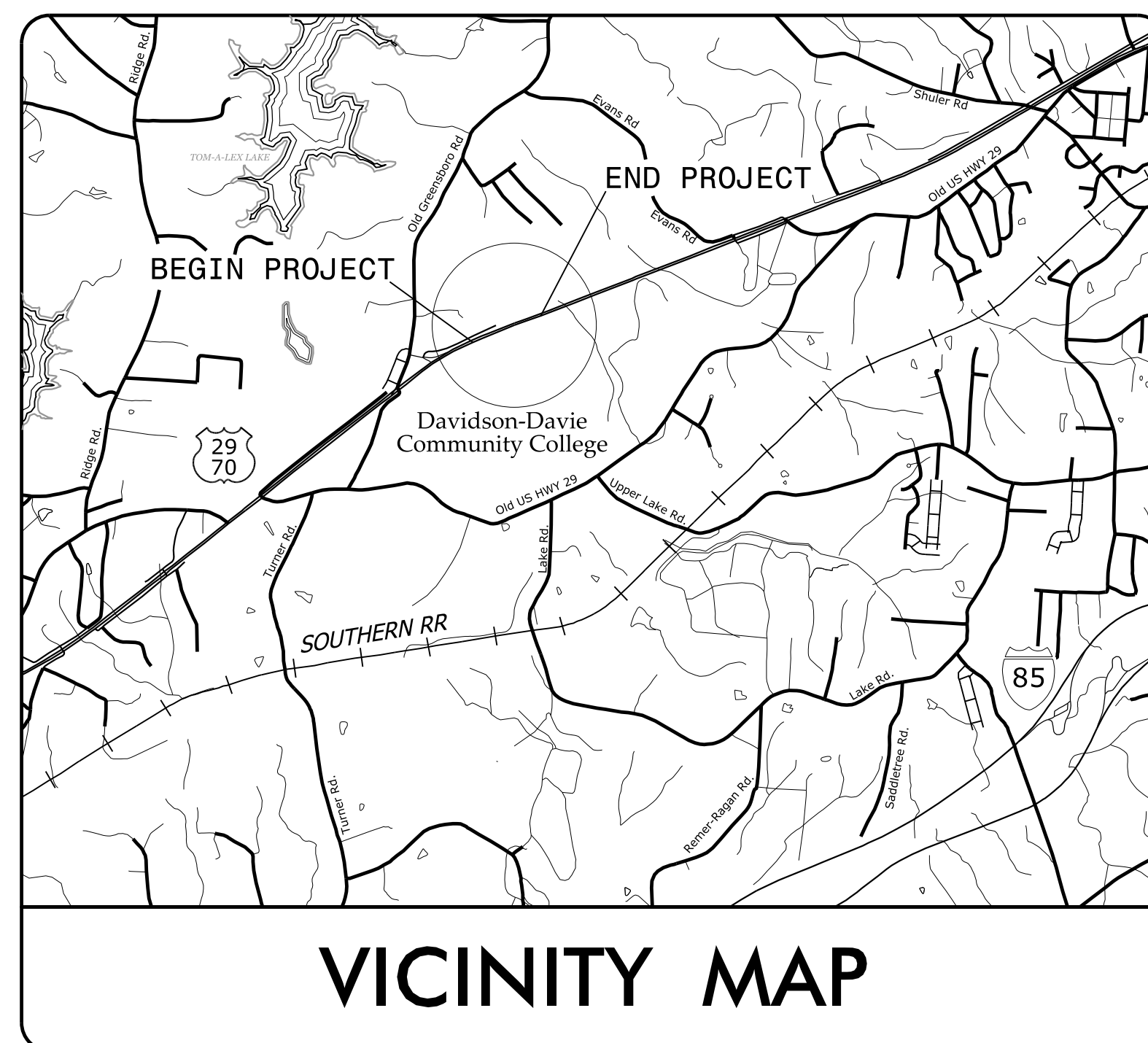
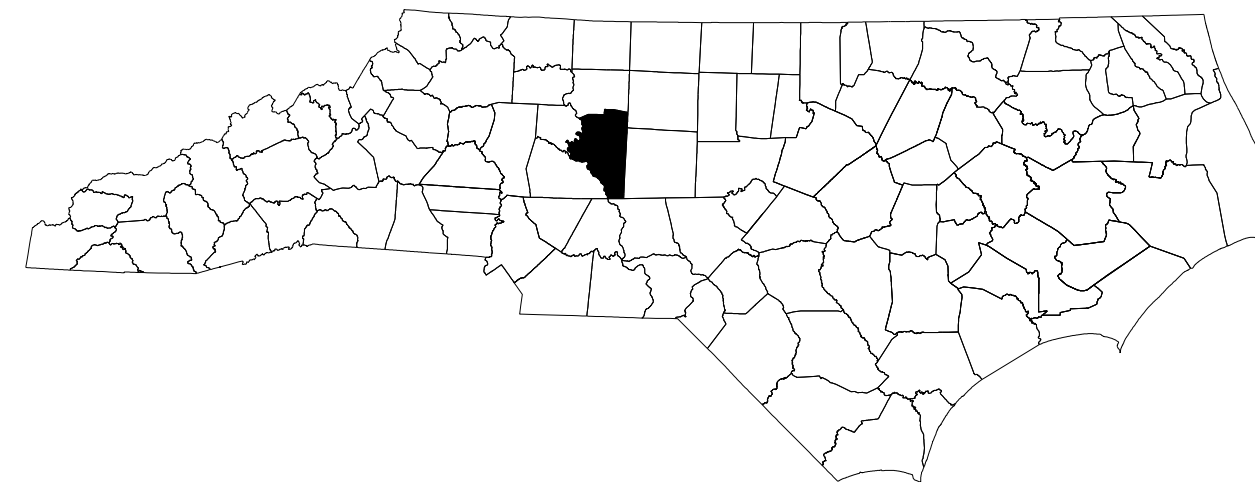
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STATE OF NORTH CAROLINA  
DIVISION OF HIGHWAYS

**TRANSPORTATION MANAGEMENT PLAN**

**DAVIDSON COUNTY**

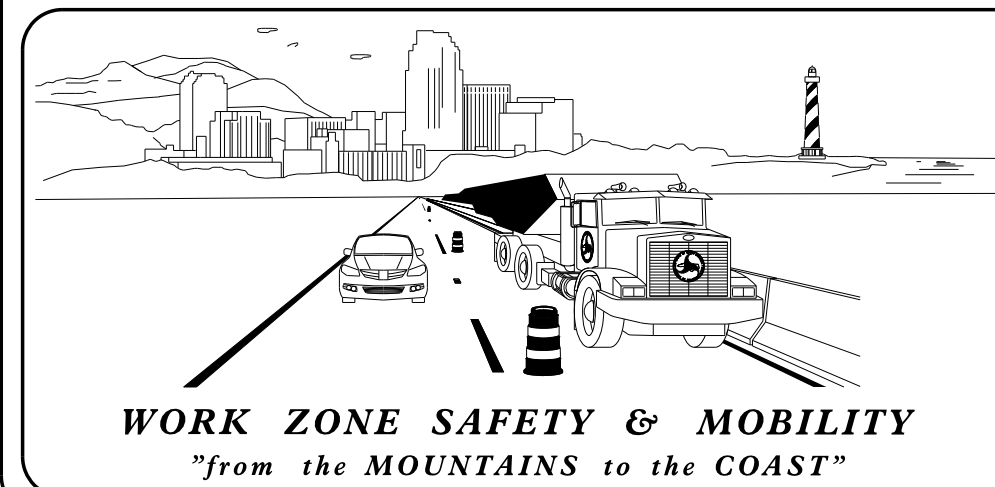


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SHEET NO.  
TMP-1

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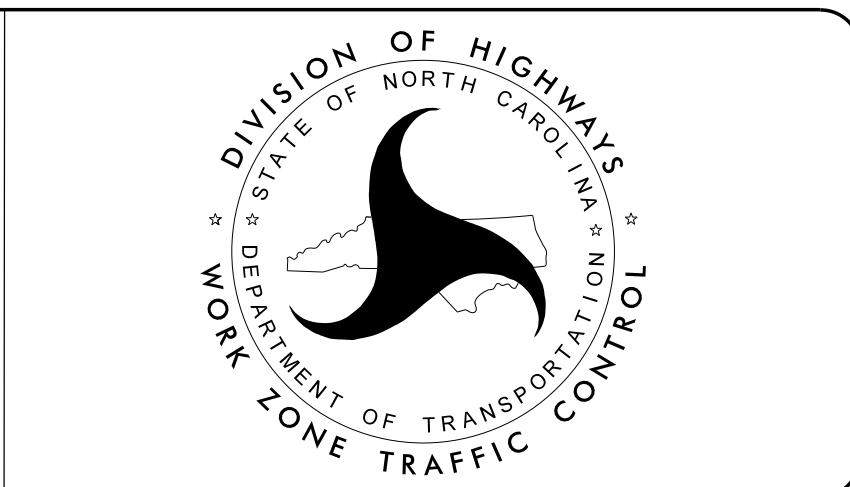
J. TODD BROOKS, PE  
PROJECT ENGINEER

J. ABRAHAM WILES  
PROJECT DESIGN ENGINEER

**NCDOT CONTACTS:**

KENNETH C. THORNEWELL, PE  
PROJECT ENGINEER

ALLA LYUDMIRSKAYA  
PROJECT DESIGN ENGINEER



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PLAN PREPARED FOR N.C.D.O.T. BY:

**Dewberry**

2610 WYCLIFF ROAD  
SUITE 410  
RALEIGH, NC 27607  
PHONE: 919.881.9939  
NC COA No. F-0929

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**PROJECT: R-5737**

# 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 2018 ARE APPLICABLE TO THIS PROJECT AND BY REFERENCE HEREBY ARE CONSIDERED A PART OF THESE PLANS:

STD. NO.	TITLE
903.20	WOOD SIGN POST
1101.01	WORK ZONE ADVANCE WARNING SIGNS
1101.02	TEMPORARY LANE CLOSURES
1101.03	TEMPORARY ROAD CLOSURES
1101.04	TEMPORARY SHOULDER CLOSURES
1101.05	WORK ZONE VEHICLE ACCESSES
1101.11	TRAFFIC CONTROL DESIGN TABLES
1110.01	STATIONARY WORK ZONE SIGNS
1110.02	PORTABLE WORK ZONE SIGNS
1115.01	FLASHING ARROW BOARDS
1130.01	DRUM
1135.01	CONES
1145.01	BARRICADES - TYPE III
1150.01	FLAGGING DEVICES
1160.01	TEMPORARY CRASH CUSHION - REFLECTIVE END TREATMENT
1165.01	TRUCK MOUNTED ATTENUATOR - DELINEATION
1170.01	POSITIVE PROTECTION - PORTABLE CONCRETE BARRIER
1180.01	SKINNY DRUM
1205.01	PAVEMENT MARKINGS - LINE TYPES AND OFFSETS
1205.02	PAVEMENT MARKINGS - DIVIDED AND UNDIVIDED ROADWAYS
1205.03	PAVEMENT MARKINGS - INTERCHANGES
1205.04	PAVEMENT MARKINGS - INTERSECTIONS
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1205.07	PAVEMENT MARKINGS - PEDESTRIAN CROSSWALKS
1205.08	PAVEMENT MARKINGS - SYMBOLS AND WORD MESSAGES
1205.14	PAVEMENT MARKINGS - ROUNDABOUTS
1250.01	PAVEMENT MARKER 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

REMOVAL

### SIGNALS

- EXISTING
- PROPOSED
- TEMPORARY

FLASHER

### PAVEMENT MARKINGS

- EXISTING LINES
- TEMPORARY LINES

### TRAFFIC CONTROL DEVICES

- BARRICADE (TYPE III)
- CONE
- DRUM WITH SEQUENTIAL FLASHING WARNING LIGHTS
- DRUM
- SKINNY DRUM
- TUBULAR MARKER
- TEMPORARY CRASH CUSHION
- PORTABLE CONCRETE BARRIER (P.C.B.)
- FLASHING ARROW BOARD
- FLAGGER
- LAW ENFORCEMENT
- TRUCK MOUNTED ATTENUATOR (TMA)
- CHANGEABLE MESSAGE SIGN

### TEMPORARY SIGNING

- PORTABLE SIGN
- STATIONARY SIGN
- STATIONARY OR PORTABLE SIGN

### PAVEMENT MARKERS

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

### PAVEMENT MARKING SYMBOLS

- PAVEMENT MARKING SYMBOLS

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APPROVED: _____  DATE: _____	SEAL 		<b>ROADWAY STANDARD          DRAWINGS &amp; LEGEND</b>
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## PAVEMENT MARKING SCHEDULE

### PAVEMENT MARKING LINES:

(C1)	SOLID WHITE EDGELINE	TYPE 4 REMOVABLE TAPE (4")
(C4)	WHITE MINISKIP	TYPE 4 REMOVABLE TAPE (4")
(C10)	SOLID YELLOW EDGELINE	TYPE 4 REMOVABLE TAPE (4")
(C13)	YELLOW DOUBLE CENTER	TYPE 4 REMOVABLE TAPE (4")
(C40)	WHITE GORELINE	TYPE 4 REMOVABLE TAPE (8")
(P1)	WHITE EDGELINE	PAINT (4")
(P2)	WHITE SOLID LANE LINE	PAINT (4")
(P3)	10 FT. WHITE SKIP	PAINT (4")
(P4)	WHITE 3 FT / 9 FT MINISKIP	PAINT (4")
(P5)	WHITE 2 FT / 6 FT MINISKIP	PAINT (4")
(P10)	YELLOW EDGELINE	PAINT (4")
(P13)	YELLOW DOUBLE CENTER	PAINT (4")
(P40)	WHITE GORELINE	PAINT (8")
(P42)	YELLOW DIAGONAL	PAINT (8")
(P46)	WHITE CROSSWALK	PAINT (8")
(P55)	3FT-3FT WHITE MINISKIP	PAINT (12")
(P61)	WHITE STOP BAR	PAINT (24")
(Z2)	WZ PERFORMANCE PM WHITE SOLID LINE	(4")
(Z3)	WZ PERFORMANCE PM 10 FT WHITE SKIP	(4")
(Z4)	WZ PERFORMANCE PM WHITE 3 FT / 9 FT MINISKIP	(4")
(Z11)	WZ PERFORMANCE PM YELLOW SOLID LINE	(4")
(Z50)	WZ PERFORMANCE PM WHITE GORELINE	(12")
(Z61)	WZ PERFORMANCE PM WHITE STOP BAR	(24")

### PAVEMENT MARKING SYMBOLS AND CHARACTERS:

(P70)	LEFT TURN ARROW	PAINT
(P71)	RIGHT TURN ARROW	PAINT
(P79)	MERGE ARROW	PAINT
(Z70)	WORK ZONE PERFORMANCE PM LEFT TURN ARROW	
(Z71)	WORK ZONE PERFORMANCE PM RIGHT TURN ARROW	
(Z72)	WZ PERFORMANCE PM STRAIGHT ARROW	
(Z79)	WZ PERFORMANCE PM MERGE ARROW	
(Z100)	WZ PERFORMANCE ALPHANUMERIC CHARACTERS	

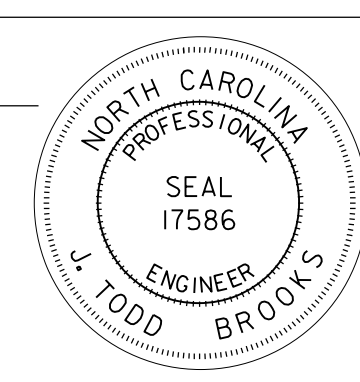
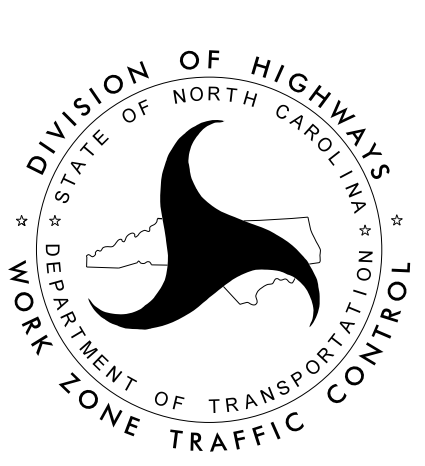
### PAVEMENT MARKERS:

(MI)	CRYSTAL / RED	TEMPORARY RAISED
(MH)	YELLOW / YELLOW	TEMPORARY RAISED

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## MANAGEMENT STRATEGIES

THE PURPOSE OF THIS PROJECT IS TO CONVERT THE AT-GRADE INTERSECTION OF OLD GREENSBORO ROAD (SR 1798) AND US 29-70 TO AN INTERCHANGE. THIS WILL BE ACCOMPLISHED BY LEAVING US 29-70 AT OR NEAR EXISTING GRADE WHILE REALIGNING AND LOWERING OLD GREENSBORO ROAD TO PASS UNDERNEATH.

PHASE I OF THIS TMP CONSISTS OF CONSTRUCTING ON-SITE DETOURS AND MEDIAN CROSSOVERS FOR THE PHASE II TRAFFIC PATTERN. THE CRUX OF THIS WORK INVOLVES NOT ONLY STAGE CONSTRUCTING ON-SITE DETOURS, IT ALSO INVOLVES PAVING PORTIONS OF THE MEDIAN IN PREPARATION FOR MEDIAN CROSSOVERS AND TRAFFIC SHIFTS. EXISTING CALDCLEUGH IS ALSO IMPROVED BY ASPHALT OVERLAY AS PART OF A FUTURE DETOUR ROUTE WHEN THE EXISTING INTERSECTION OF OLD GREENSBORO ROAD AND CALDCLEUGH ROAD IS CLOSED. IF CONSTRUCTION CAN BE DONE AWAY FROM EXISTING TRAFFIC, CONSTRUCTION OF THOSE AREAS ALSO BEGINS. THOSE AREAS INCLUDE -Y1- EAST OF EXISTING US 29-70 AND -Y4- AWAY FROM OLD GREENSBORO ROAD.

PHASE II OF THIS TRANSPORTATION MANAGEMENT PLAN (TMP) CONSISTS OF SHIFTING TRAFFIC TO A COMBINATION OF BOTH OFF-SITE AND ON-SITE DETOURS CONSTRUCTED DURING PHASE I. ONCE TRAFFIC IS SHIFTED AWAY FROM THE PHASE II WORK AREA, THE FOLLOWING PORTIONS OF THE PROPOSED PROJECT ARE CONSTRUCTED:

- PROPOSED NORTHBOUND -L- WITH RAMPS C & D AND THE TRAFFIC OVAL UNDERNEATH THE PROPOSED STRUCTURES.
- THE PROPOSED SOUTHBOUND -L- STRUCTURE ALONG WITH 150' OF CONTIGUOUS ROADWAY ON THE SOUTH END AND 500' ON THE NORTH END.
- PORTIONS OF -Y1- AND -Y4- BEGUN IN PHASE I ARE COMPLETED.
- THE PORTIONS OF -Y1- NOT BEGUN IN PHASE I THAT ARE CONTIGUOUS TO THE NORTHBOUND -L- AND RAMPS C & D CONSTRUCTION.
- THE -Y4- TIE TO EXISTING OLD GREENSBORO ROAD.

PHASE III OF THIS TMP CONSISTS OF SHIFTING US 29-70 TRAFFIC ONTO THE NEWLY CONSTRUCTED NORTHBOUND -L- PAVEMENT IN A TWO-WAY, TWO-LANE PATTERN. ONCE TRAFFIC IS SHIFTED TO THE PHASE III PATTERN, CONSTRUCT THE FOLLOWING:

- PROPOSED SOUTHBOUND -L- WITH RAMPS A & B.
- THE REMAINDER OF THE TRAFFIC OVAL UNDERNEATH THE PROPOSED BRIDGES.
- THE PORTION OF -Y1- WEST OF US 29-70.
- -Y2-.
- -Y3-.
- THE TRAFFIC ROUNDABOUT AT THE INTERSECTION OF -Y1-, -Y2- AND -Y3-.

PHASE IV OF THIS TMP CONSISTS OF COMPLETING ANY REMAINING CONSTRUCTION AT THE NORTHERN AND SOUTHERN PROJECT LIMITS. TRAFFIC IS SHIFTED BACK TO US 29-70 FROM ANY TEMPORARY PATTERNS AND FINAL LAYER OF SURFACE COURSE AND FINAL PAVEMENT MARKINGS ARE PLACED.

## 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) EXCEPT AS ALLOWED ON US 29-70 DURING PHASE II THROUGH PHASE IV, STEP 2, DO NOT CLOSE OR NARROW TRAVEL LANES AS FOLLOWS:

<u>ROAD NAME</u>	<u>DAY AND TIME RESTRICTIONS</u>
US 29-70	MONDAY THRU FRIDAY, 7:00 AM TO 9:00 AM

- B) EXCEPT AS ALLOWED ON US 29-70 DURING PHASE II THROUGH PHASE IV, STEP 2, DO NOT CLOSE OR NARROW TRAVEL LANES DURING HOLIDAYS AND SPECIAL EVENTS AS FOLLOWS:

#### ROAD NAME

US 29-70

#### HOLIDAY

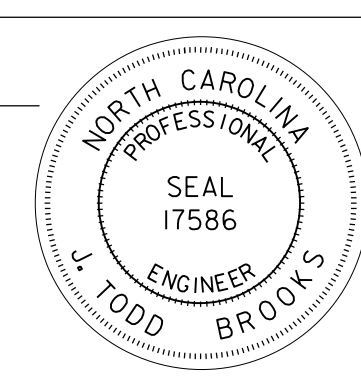
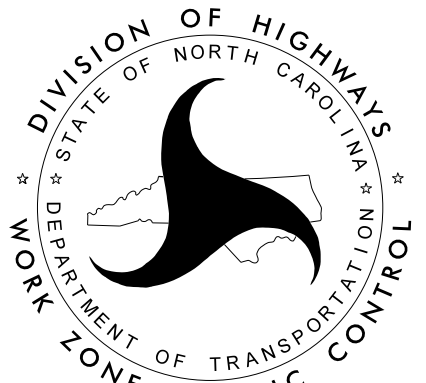
1. FOR ANY UNEXPECTED OCCURRENCE THAT CREATES UNUSUALLY HIGH TRAFFIC VOLUMES, AS DIRECTED BY THE ENGINEER.
2. FOR NEW YEAR'S, BETWEEN THE HOURS OF 7:00 AM DECEMBER 31ST TO 9:00 AM JANUARY 2ND. IF NEW YEAR'S DAY IS ON A FRIDAY, SATURDAY, SUNDAY, OR MONDAY THEN UNTIL 9:00 AM THE FOLLOWING TUESDAY.
3. FOR EASTER, BETWEEN THE HOURS OF 7:00 AM THURSDAY AND 9:00 AM MONDAY.
4. FOR MEMORIAL DAY, BETWEEN THE HOURS OF 7:00 AM FRIDAY TO 9:00 AM TUESDAY.
5. FOR INDEPENDENCE DAY, BETWEEN THE HOURS OF 7:00 AM THE DAY BEFORE INDEPENDENCE DAY AND 9:00 AM 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 9:00 AM THE TUESDAY AFTER INDEPENDENCE DAY.
6. FOR LABOR DAY, BETWEEN THE HOURS OF 7:00 AM FRIDAY AND 9:00 AM TUESDAY.
7. FOR THANKSGIVING DAY, BETWEEN THE HOURS OF 7:00 AM TUESDAY AND 9:00 AM MONDAY.
8. FOR CHRISTMAS, BETWEEN THE HOURS OF 7:00 AM THE FRIDAY BEFORE THE WEEK OF CHRISTMAS DAY AND 9:00 AM THE FOLLOWING TUESDAY AFTER THE WEEK OF CHRISTMAS.

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**TIME RESTRICTIONS - CONT.**

**SPECIAL EVENT**

- 9. FOR THE BARBECUE FESTIVAL OCCURRING IN LEXINGTON, NORTH CAROLINA, BETWEEN 4 HOURS BEFORE THE START AND 4 HOURS AFTER THE END OF THE BARBECUE FESTIVAL. (REFER TO WWW.BARBECUEFESTIVAL.COM FOR DATE AND TIMES OF THE ANNUAL BARBECUE FESTIVAL.)
- 10. FOR THE TOUR DE PIG BIKE RACE OCCURRING AT DAVIDSON-DAVIE COMMUNITY COLLEGE BETWEEN 4 HOURS BEFORE THE START AND 4 HOURS AFTER THE END OF THE TOUR DE PIG BIKE RACE. (REFER TO WWW.BARBECUEFESTIVAL.COM FOR DATE AND TIMES OF THE ANNUAL BIKE RACE.)
- 11. FOR COMMENCEMENT OCCURING AT DAVIDSON-DAVIE COMMUNITY COLLEGE BETWEEN 4 HOURS BEFORE THE START AND 4 HOURS AFTER THE END OF THE COMMENCEMENT. (REFER TO WWW.DAVIDSONDAVIE.EDU/EVENTS FOR DATE AND TIMES OF THE COMMENCEMENT.)

C) EXCEPT AS ALLOWED ON OLD GREENSBORO ROAD (SR 1798) DURING PHASE II THROUGH PHASE III, DO NOT CLOSE OR NARROW TRAVEL LANES AS FOLLOWS:

ROAD NAME	DAY AND TIME RESTRICTIONS
OLD GREENSBORO ROAD (SR 1798)	MONDAY THRU FRIDAY, 7:00 AM TO 9:00 AM

D) EXCEPT AS ALLOWED ON OLD GREENSBORO ROAD (SR 1798) DURING PHASE II THROUGH PHASE III, DO NOT CLOSE OR NARROW TRAVEL LANES DURING SPECIAL EVENTS AS FOLLOWS:

ROAD NAME
OLD GREENSBORO ROAD (SR 1798)

**SPECIAL EVENT**

- 1. FOR THE TOUR DE PIG BIKE RACE OCCURRING AT DAVIDSON-DAVIE COMMUNITY COLLEGE BETWEEN 4 HOURS BEFORE THE START AND 4 HOURS AFTER THE END OF THE TOUR DE PIG BIKE RACE. (REFER TO WWW.BARBECUEFESTIVAL.COM FOR DATE AND TIMES OF THE ANNUAL BIKE RACE.)
- 2. FOR COMMENCEMENT OCCURING AT DAVIDSON-DAVIE COMMUNITY COLLEGE BETWEEN 4 HOURS BEFORE THE START AND 4 HOURS AFTER THE END OF THE COMMENCEMENT. (REFER TO WWW.DAVIDSONDAVIE.EDU/EVENTS FOR DATE AND TIMES OF THE COMMENCEMENT.)

E) DO NOT STOP TRAFFIC AS FOLLOWS:

ROAD NAME	DAY AND TIME RESTRICTIONS	DURATION AND OPERATION
US 29-70 OLD GREENSBORO ROAD (SR 1798)	MONDAY THRU FRIDAY, 6:00 AM TO 12:00 AM	20 MINUTES SHIFTING TRAFFIC

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

**LANE AND SHOULDER CLOSURE REQUIREMENTS**

G) REMOVE LANE CLOSURE DEVICES FROM THE LANE WHEN WORK IS NOT BEING PERFORMED BEHIND THE LANE CLOSURE OR WHEN A LANE CLOSURE IS NO LONGER NEEDED OR AS DIRECTED BY THE ENGINEER.

H) WHEN PERSONNEL AND/OR EQUIPMENT ARE WORKING WITHIN 15 FT OF AN OPEN TRAVEL LANE, CLOSE THE NEAREST OPEN SHOULDER USING ROADWAY STANDARD DRAWING NO. 1101.04 UNLESS THE WORK AREA IS PROTECTED BY BARRIER OR GUARDRAIL OR A LANE IS CLOSURE IS INSTALLED.

I) WHEN PERSONNEL AND/OR EQUIPMENT ARE WORKING ON THE SHOULDER ADJACENT TO AN UNDIVIDED FACILITY AND WITHIN 5 FT OF AN OPEN TRAVEL LANE, CLOSE THE NEAREST OPEN TRAVEL LANE USING ROADWAY STANDARD DRAWING NO. 1101.02 UNLESS THE WORK AREA IS PROTECTED BY BARRIER OR GUARDRAIL.

WHEN PERSONNEL AND/OR EQUIPMENT ARE WORKING ON THE SHOULDER ADJACENT TO A DIVIDED FACILITY AND WITHIN 10 FT OF AN OPEN TRAVEL LANE, CLOSE THE NEAREST OPEN TRAVEL LANE USING ROADWAY STANDARD DRAWING NO. 1102.02 UNLESS THE WORK AREA IS PROTECTED BY BARRIER OR GUARDRAIL.

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

K) DO NOT WORK SIMULTANEOUSLY WITHIN 15 FT ON BOTH SIDES OF AN OPEN TRAVELWAY RAMP OR LOOP WITHIN THE SAME LOCATION UNLESS PROTECTED WITH GUARDRAIL OR BARRIER.

**PAVEMENT EDGE DROP OFF REQUIREMENTS**

L) BACKFILL AT 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 LANE" SIGNS (W8-11) 500' IN ADVANCE AND A MINIMUM OF EVERY HALF MILE THROUGHOUT THE UNEVEN AREA.

**TRAFFIC PATTERN ALTERATIONS**

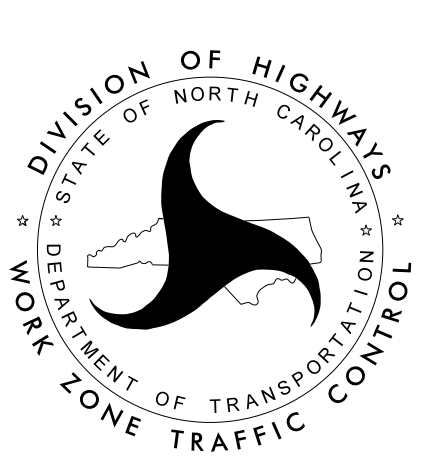
N) NOTIFY THE ENGINEER THIRTY (30) CALENDAR DAYS PRIOR TO ANY TRAFFIC PATTERN ALTERATION.

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### GENERAL NOTES

#### 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) THE CONTRACTOR SHALL INSTALL SIGNING AND DEVICES REQUIRED TO CLOSE THE ROAD ACCORDING TO ROADWAY STANDARD DRAWINGS AND TMP. THE CONTRACTOR SHALL INSTALL SIGNING REQUIRED FOR THE OFF-SITE DETOUR ROUTE AS SHOWN IN THE TRAFFIC CONTROL PLANS.
- Q) THE CONTRACTOR SHALL COVER OR REMOVE ALL SIGNS AND DEVICES REQUIRED TO CLOSE THE ROAD WHEN ROAD CLOSURE IS NOT IN OPERATION. THE CONTRACTOR SHALL COVER OR REMOVE ALL SIGNS REQUIRED FOR THE OFF-SITE DETOUR WHEN THE DETOUR IS NOT IN OPERATION.
- R) ENSURE ALL NECESSARY SIGNING IS IN PLACE PRIOR TO ALTERING ANY TRAFFIC PATTERN.
- S) INSTALL BLACK ON ORANGE "DIP" SIGNS (W8-2) AND/OR "BUMP" SIGNS (W8-1) 500' IN ADVANCE OF THE UNEVEN AREA, OR AS DIRECTED BY THE ENGINEER.

#### TRAFFIC BARRIER

- T) INSTALL TEMPORARY BARRIER ACCORDING TO THE TRANSPORTATION MANAGEMENT PLANS A MAXIMUM OF TWO (2) WEEKS PRIOR TO BEGINNING WORK IN ANY LOCATION. ONCE TEMPORARY BARRIER IS INSTALLED AT ANY LOCATION, PROCEED IN AN CONTINUOUS MANNER TO COMPLETE THE PROPOSED WORK IN THAT LOCATION UNLESS OTHERWISE STATED IN THE TRANSPORTATION MANAGEMENT PLANS OR AS DIRECTED BY THE ENGINEER.
- DO NOT PLACE BARRIER DIRECTLY ON ANY SURFACE OTHER THAN ASPHALT OR CONCRETE.
- ONCE TEMPORARY BARRIER IS INSTALLED AT ANY LOCATION AND NO WORK IS PERFORMED BEHIND THE TEMPORARY BARRIER FOR A PERIOD LONGER THAN TWO (2) MONTHS, REMOVE/RESET TEMPORARY BARRIER AT NO COST TO THE DEPARTMENT UNLESS OTHERWISE STATED IN THE TRANSPORTATION MANAGEMENT PLANS, TEMPORARY BARRIER IS PROTECTING A HAZARD, OR AS DIRECTED BY THE ENGINEER.
- INSTALL TEMPORARY BARRIER WITH THE TRAFFIC FLOW, BEGINNING WITH THE UPSTREAM SIDE OF TRAFFIC. REMOVE TEMPORARY BARRIER AGAINST THE TRAFFIC FLOW, BEGINNING WITH THE DOWNSTREAM SIDE OF TRAFFIC.
- INSTALL AND SPACE DRUMS NO GREATER THAN TWICE THE POSTED SPEED LIMIT (MPH) TO CLOSE OR KEEP THE SECTION OF ROADWAY CLOSED UNTIL THE TEMPORARY BARRIER CAN BE PLACED OR AFTER THE TEMPORARY BARRIER IS REMOVED.
- U) PROTECT THE APPROACH END OF MOVABLE/PORTABLE CONCRETE BARRIER AT ALL TIMES DURING INSTALLATION AND REMOVAL OF THE BARRIER BY EITHER A TRUCK MOUNTED IMPACT ATTENUATOR (MAXIMUM 72 HOURS) OR A TEMPORARY CRASH CUSHION.

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

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

#### TRAFFIC CONTROL DEVICES

- V) WHEN LANE CLOSURES ARE NOT IN EFFECT, SPACE CHANNELIZING DEVICES IN WORK AREAS NO GREATER IN FEET THAN TWICE THE POSTED SPEED LIMIT (MPH), EXCEPT 10 FT ON-CENTER IN RADII, AND 3 FT OFF THE EDGE OF AN OPENED TRAVELWAY. REFER TO STANDARD SPECIFICATIONS FOR ROADS AND STRUCTURES SECTIONS 1130 (DRUMS), 1135 (CONES) AND 1180 (SKINNY DRUMS) FOR ADDITIONAL REQUIREMENTS.
- W) USE SEQUENTIAL FLASHING WARNING LIGHTS ON DRUMS USED FOR MERGING TAPERS DURING NIGHTTIME PERIODS ON US 29-70.
- X) PLACE TYPE III BARRICADES, WITH "ROAD CLOSED" SIGN R11-2 ATTACHED, OF SUFFICIENT LENGTH TO CLOSE THE ENTIRE ROADWAY.
- Y) PLACE ADDITIONAL SETS OF THREE DRUMS PERPENDICULAR TO THE EDGE OF TRAVELWAY ON 500 FT CENTERS WHEN UNOPENED LANES ARE CLOSED TO TRAFFIC. PAVEMENT MARKINGS AND MARKERS
- Z) INSTALL TEMPORARY PAVEMENT MARKINGS AND TEMPORARY PAVEMENT MARKERS ON INTERIM LAYERS OF PAVEMENT AS FOLLOWS:

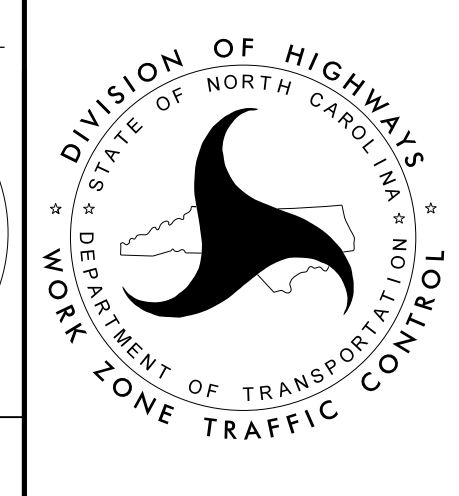
ROAD NAME	MARKING	MARKER
US 29-70 (-L-)	WZ PERFORMANCE	TEMPORARY RAISED
OLD GREENSBORO RD (SR 1798) (-Y- / -Y1-)	PAINT	NONE
DCCC RD (SR 1929) (-Y2-)	PAINT	NONE
CALDCLEUGH RD (-Y3- / -Y6-)	PAINT	NONE
-Y4-	PAINT	NONE
-DET2-, -DETA-, -DETB-, -DETC-, -DETD-, -DETE-	WZ PERFORMANCE	NONE
-DET-, -DET3-, -DET4- STRUCTURES	PAINT COLD APPLIED PLASTIC, TYPE 4	NONE TEMPORARY RAISED

- AA) 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.
  - BB) TIE PROPOSED PAVEMENT MARKING LINES TO EXISTING PAVEMENT MARKING LINES.
  - CC) REMOVE/REPLACE ANY CONFLICTING/DAMAGED PAVEMENT MARKINGS AND MARKERS BY THE END OF EACH DAY'S OPERATION.
  - DD) 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
- EE) RESIDENT ENGINEER SHALL NOTIFY THE OVERSIZE/OVERWEIGHT PERMIT UNIT AT 919-814-3700 WHEN TRAFFIC IS PLACED IN THE TWO-LANE, TWO-WAY PATTERN AND WHEN THE PROJECT IS OPEN TO THE FINAL TRAFFIC PATTERN.
  - FF) LAW ENFORCEMENT MAY BE USED TO MAINTAIN TRAFFIC THROUGH THE WORK AREA AND/OR INTERSECTIONS AS DIRECTED BY THE ENGINEER.

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

SEAL

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**TRANSPORTATION  
OPERATIONS  
PLAN**



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SUITE 410  
RALEIGH, NC 27607  
PHONE: 919.881.9939  
NC COA No. F-0929

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# PHASING

PROJ. REFERENCE NO.	SHEET NO.
R-5737	TMP-3

NOTES:  
COMPLETE ANY PROPOSED OR TEMPORARY WIDENING IN SUCH A MANNER THAT PONDING OF WATER WILL NOT OCCUR IN THE TRAVEL LANE.  
UNLESS OTHERWISE STATED ONLY CONSTRUCT UP TO BUT NOT INCLUDING THE FINAL LAYER OF SURFACE COURSE.

## PHASE I

OBJECTIVE: CONSTRUCT ON-SITE DETOURS AND MEDIAN CROSSOVERS FOR PHASE II AND PHASE III TRAFFIC PATTERN. SEE SHEETS TMP-4 THROUGH TMP-11A

STEP 1: USING RSD 1101.01, SHEETS 2 AND 3 OF 3, INSTALL ADVANCE WARNING SIGNS ON -L- AND ALL -Y- LINES. SEE ALSO THE WORK ZONE SPEED LIMITS SIGNS ON SHEETS TMP-4 AND TMP-8.

STEP 2: AWAY FROM TRAFFIC AND USING RSD 1101.04 SHEETS 1 OF 1 WHEN NEEDED, BEGIN CONSTRUCTION OF THE FOLLOWING:

- CLEARING AND GRADING ALONG EAST SIDE OF -L- (US 29-70).
- BEGIN CONSTRUCTION OF -Y1- & -Y4-, C1 AND C2 (ROUNDBABOUTS) ALONG EAST SIDE OF -L- UP TO BUT NOT INCLUDING THE FINAL LAYER OF SURFACE COURSE. (SEE TMP-6&7)
- BEGIN CUT EXCAVATION FOR PROPOSED -Y1- ALONG WEST SIDE OF -L-. (SEE TMP-7)

WHILE MAINTAINING TRAFFIC ON EXISTING ROADWAYS AND USING RSD 1101.02 SHEETS 1, 2 AND 3 OF 14, PERFORM THE FOLLOWING:

- ASPHALT OVERLAY OF -Y6- /-Y3- (CALDCLEUGH RD) AND PLACE TEMPORARY PAVEMENT MARKINGS. SEE TMP-4 THRU 7
- CONSTRUCT TEMPORARY DRAINAGE AND TEMPORARY PAVEMENT TO COMPLETE -DETA-, -DETB-, -DETC-, -DETD AND -DETE- FOR LATER USE BY MEDIAN CROSSOVERS. SEE TMP-5, 6 & 8
- CONSTRUCT -DET3- UP TO THE CONTIGUOUS EXISTING PAVEMENT OF -L- (US 29-70) AND -Y6- (CALDCLEUGH RD), INCLUDING MODIFICATIONS TO THE EXISTING GUARDRAIL ON THE RIGHT SIDE OF SB -L- (US-29-70). (SEE TMP-5)
- REINFORCE EXISTING SHOULDER AS NEEDED FOR USE IN PHASE II AND III. SEE TMP-5 & 6
- CONSTRUCT -DET- FROM -DET- STA. 10+00 +/- TO -DET- STA. 18+19 +/- UP TO THE EDGE AND ELEVATION OF THE CONTIGUOUS EXISTING PAVEMENT OF -Y1- (OLD GREENSBORO RD) AND INCLUDING TIE-IN TO -Y3- (CALDCLEUGH RD). (SEE TMP-7)
- CONSTRUCT -DET2- UP TO THE EDGE AND ELEVATION OF THE CONTIGUOUS EXISTING PAVEMENT ON -L- (US 29-70) AND ACROSS -Y1- (OLD GREENSBORO RD) AND TO -DET2- STA 43+39 +/- . (SEE TMP-6 & 7)

THE CONTRACTOR SHALL NOTIFY THE ENGINEER THIRTY (30) CALENDAR DAYS PRIOR TO ANY CLOSURES.

THE CONTRACTOR SHALL COMPLETE PHASE I, STEPS 3 THRU 5 WITHIN TWENTY-ONE (21) CALENDAR DAYS. [SEE INTERMEDIATED CONTRACT TIME - LIQUIDATED DAMAGES]

STEP 3: CLOSE CALDCLEUGH RD TO ALL TRAFFIC BETWEEN -Y2- (DCCC RD) AND -L- (US 29-70) AS SHOWN ON TMP-9 AND TMP-10. DETOUR OLD GREENSBORO RD, CALDCLEUGH RD, AND DCCC RD TRAFFIC APPROACHING FROM THE NORTH ON SOUTHBOUND -L- VIA EVANS ROAD AS SHOWN ON SHEET TMP-21. DETOUR TRAFFIC DESTINED FOR NORTHBOUND -L- FROM CALDCLEUGH RD, OLD GREENSBORO RD, AND DCCC RD TO NORTHBOUND -L- VIA EVANS ROAD AS SHOWN ON TMP-22. MAINTAIN ACCESS TO -Y2- (DCCC RD) FROM OLD GREENSBORO RD VIA CALDCLEUGH RD AS SHOWN ON SHEET TMP-9.

STEP 4: USING RSD 1101.02 SHEET 1 AND 3 OF 14, PERFORM THE FOLLOWING:

- CONSTRUCT -DET2- AND -DET4- UP TO THE EDGE AND ELEVATION OF THE CONTIGUOUS EXISTING PAVEMENT OF -L- AND INCLUDING TIE-IN TO -Y2-. (SEE TMP-9 & 10)
- PLACE TEMPORARY MARKINGS ON -DET4-. (SEE TMP-11)

STEP 5: UNCOVER GUIDE SIGN ON SOUTHBOUND -L- AND REOPEN EXIT FROM SOUTHBOUND -L- TO DAVIDSON-DAVIE COMMUNITY COLLEGE (DDCC) VIA -DET4-. (SEE SHEETS TMP-11 AND TMP-11A)

THE CONTRACTOR MAY PERFORM WORK IN PHASE I, STEP 6 CONCURRENT WITH PHASE I, STEPS 3 THRU 5 AS APPROVED BY THE ENGINEER.

STEP 6: PERFORM THE FOLLOWING WORK TO PREPARE FOR SHIFT TO PHASE II TEMPORARY TRAFFIC PATTERN SHOWN ON SHEETS TMP-12 THRU TMP-18:

- USING RSD 1101.02, SHEETS 3 AND 4 OF 14 AND RSD 1101.04, INSTALL AND TEMPORARILY COVER OFF-SITE OVERSIZE VEHICLE ADVANCE WARNING SIGNS AS SHOWN ON SHEET TMP-48.
- INSTALL PHASE II SIGNS AS MUCH AS POSSIBLE AND TEMPORARILY COVER.
- PLACE PHASE II TEMPORARY PAVEMENT MARKINGS ON -DET2- AS MUCH AS POSSIBLE AWAY FROM TRAFFIC.
- INSTALL P.C.B. AS MUCH AS POSSIBLE ON -DET2- BETWEEN OLD GREENSBORO RD AND -DET4-.

## PHASE II

OBJECTIVE: SHIFT US 29-70 INTO TEMPORARY TWO-LANE, TWO-WAY PATTERN ON ON-SITE DETOUR ON WEST SIDE OF EXISTING US 29-70 TO CONSTRUCT NEW BRIDGES, NEW OVAL ROUNDBABOUT AS MUCH AS POSSIBLE AND NEW ROADWAYS ON EAST SIDE OF US 29-70. SEE SHEETS TMP-12 THROUGH TMP-20

THE ENGINEER WILL CONTACT THE OVERSIZE / OVERWEIGHT UNIT (SEE SHEET TMP-2B, GENERAL NOTE EE)

STEP 1: UNCOVER OVERSIZED VEHICLE ADVANCE WARNING SIGNING SHOWN ON SHEET TMP-48. USING RSD 1101.02, SHEET 3 OF 14, CLOSE THE LEFT NORTHBOUND LANE OF -L- (US 29-70) BETWEEN THE -Y5- (OLD US 29) / -Y6- (CALDCLEUGH RD) INTERSECTION TO -L- 78+80 +/- . ONCE THIS LANE IS CLOSED, PERFORM THE FOLLOWING WORK:

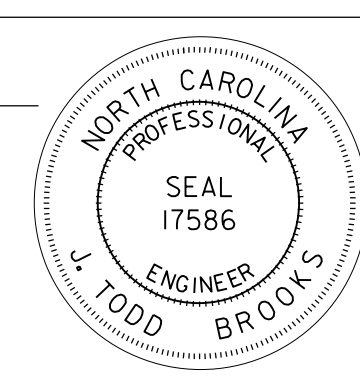
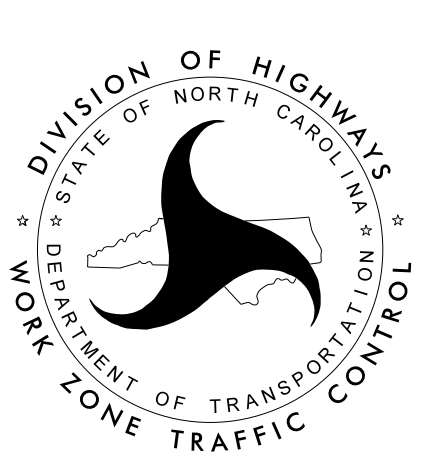
- REVISE THE NORTHBOUND PAVEMENT MARKINGS AS SHOWN ON TMP-12 AND TMP-13.
- PLACE DRUMS, P.C.B., AND MARKINGS FOR -DETA- ON TMP-13 & 14 AND FOR -DETB- ON TMP-16 AS MUCH AS POSSIBLE BEHIND LANE CLOSURE.

NOTE: MAINTAIN THIS CLOSURE OF THE LEFT NORTBOUND LANE OF -L- (US 29-70) FOR THE DURATION OF PHASE II.

STEP 2: USING RSD 1101.02, SHEET 3 OF 14, CLOSE THE RIGHT SOUTHBOUND LANE OF -L- (US 29-70) FROM -L- STA 78+00 +/- TO THE -Y5- (OLD US 29) / -Y6- (CALDCLEUGH RD) INTERSECTION AND PERFORM THE FOLLOWING WORK:

- INSTALL P.C.B. AND TEMPORARY MARKINGS ALONG PHASE II SOUTHBOUND LANE AS MUCH AS POSSIBLE BEHIND RIGHT LANE CLOSURE FROM -L- STA 41+93 +/- TO -L- STA 71+80 +/- . (SEE TMP-14 THRU TMP-17)
- PROVIDE A GAP IN THE PHASE II P.C.B. TO TEMPORARILY MAINTAIN EXISTING LIMITED MOVEMENT ACCESS AT THE EXISTING OLD GREENSBORO ROAD INTERSECTION.
- FLARE TEMPORARY APPROACH ENDS OF INCOMPLETE P.C.B. TO 30 FT OFFSET FROM EDGE OF TRAVEL LANE OR PROTECT APPROACH END WITH TMA OR CRASH CUSHION IMMEDIATELY FOLLOWING P.C.B. INSTALLATION.

PHASE II CONTINUED ON SHEET TMP-3A

APPROVED: _____ DATE: _____ SEAL			<b>PHASING</b>
<b>DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED</b>			



2610 WYCLIFF ROAD  
SUITE 410  
RALEIGH, NC 27607  
PHONE: 919.881.9939  
NC COA No. F-0929



## PHASING

### PHASE II (CONT.)

- STEP 3: USING RSD 1101.02, SHEET 3 OF 14, SHIFT SINGLE LANE OF SOUTHBOUND TRAFFIC TO RIGHT LANE OF -L- (US 29-70) FROM THE NORTHERN PROJECT LIMITS TO THE -Y5- (OLD US 29) / -Y6- (CALDCLEUGH RD) INTERSECTION AND PERFORM THE FOLLOWING WORK:
- INSTALL P.C.B. AND TEMPORARY MARKINGS ALONG PHASE II NORTHBOUND LANE OF -L- AS MUCH AS POSSIBLE BEHIND NORTHBOUND AND SOUTHBOUND LEFT LANE CLOSURE FROM THE -Y5- (CALDCLEUGH RD) / -Y6- (OLD US 29) INTERSECTION TO THE NORTHERN PROJECT LIMITS, INCLUDING -DETA- AND -DET2- (SEE TMP-13 THRU TMP-17).
  - CONTINUE TO PROVIDE A GAP IN THE PHASE II P.C.B. TO TEMPORARILY MAINTAIN FULL MOVEMENT ACCESS AT THE EXISTING OLD GREENSBORO ROAD INTERSECTION.
  - FLARE TEMPORARY APPROACH ENDS OF INCOMPLETE P.C.B. TO 30 FT OFFSET FROM EDGE OF TRAVEL LANE OR PROTECT APPROACH END WITH TMA OR CRASH CUSHION IMMEDIATELY FOLLOWING P.C.B. INSTALLATION.

THE CONTRACTOR SHALL COMPLETE PHASE II, STEP 4 THRU STEP 6 FROM 7:00 PM ON FRIDAY TO 6:00 AM ON MONDAY. [SEE INTERMEDIATE CONTRACT TIME-LIQUIDATED DAMAGES]

- STEP 4: USING RSD 1101.03, SHEETS 1 AND 2, TEMPORARILY CLOSE OLD GREENSBORO RD BETWEEN -L- (US 29-70) AND CALDCLEUGH RD AND DETOUR TRAFFIC VIA EVANS ROAD [SEE TMP-21 AND 22] AND -DET- / -Y3- CALDCLEUGH ROAD.
- SHIFT -L- (US 29-70) SOUTHBOUND TRAFFIC ONTO -DET2-, THEN COMPLETE INSTALLATION OF P.C.B. BETWEEN THE PHASE II NORTHBOUND AND SOUTHBOUND LANES. USE RSD 1101.03, SHEET 9 OF 9 TO TEMPORARILY STOP TRAFFIC ON -L- (US 29-70) TO COMPLETE INSTALLATION OF P.C.B., CRASH CUSHIONS AND PAVEMENT MARKINGS. (SEE TMP-13 THRU 17)
- STEP 5: SHIFT -L- (US 29-70) NORTHBOUND TRAFFIC ONTO -DETA-, -DET2- AND -DET2- AS SHOWN ON TMP-12 THRU 16. USE RSD 1101.03, SHEET 9 OF 9 TO TEMPORARILY STOP TRAFFIC ON -L- (US 29-70) TO COMPLETE INSTALLATION OF P.C.B., CRASH CUSHIONS AND PAVEMENT MARKINGS. INSTALL PAVEMENT MARKINGS AND DRUMS ALONG -DET3- AND OPEN -DET3- TO TRAFFIC AS SHOWN ON TMP-13. DEACTIVATE EXISTING FLASHER AT THE INTERSECTION OF -L- (US 29-70) AND OLD GREENSBORO RD.
- STEP 6: USING RSD 1101.02, SHEET 1 OF 14, REVISE AND COMPLETE INSTALLATION OF TEMPORARY MARKINGS AND DEVICES ON -DET4- AND REROUTE -Y2- DCCC ROAD TRAFFIC TO TEMPORARY INTERSECTION WITH -DET2- AS SHOWN ON TMP-15. CLOSE CALDCLEUGH RD TO TRAFFIC BETWEEN OLD GREENSBORO RD AND -DET4-. DISCONTINUE DCCC RD OLD GREENSBORO RD DETOUR VIA EVANS ROAD BY COVERING/REMOVING DCCC RD DETOUR SIGNS AND REVISING CMS MESSAGES SHOWN ON TMP-21.

NOTE: USE RSD 1101.02, SHEETS 1 AND 2, TO COMPLETE INSTALLATION OF PAVEMENT MARKINGS ON -DET-, TIE MARKINGS TO EXISTING MARKINGS ON -Y1- OLD GREENSBORO RD, AND SHIFT OLD GREENSBORO ROAD TRAFFIC ONTO -DET- AS SHOWN ON TMP-19 AND TMP-20.

- STEP 7: AWAY FROM TRAFFIC WHEN NEEDED, PERFORM THE FOLLOWING:
- CONTINUE AND COMPLETE CONSTRUCTION AWAY FROM TRAFFIC, STARTED IN PHASE I (-Y1-, -Y4-, C1 AND C2) UP TO BUT NOT INCLUDING FINAL LAYER OF SURFACE COURSE.
  - BEGIN CONSTRUCTION OF -Y1- AND ROUNDABOUT -C3- AT THE -Y1-/-Y2-/-Y3- INTERSECTION AS SHOWN ON TMP-19.
  - THE -RPA- AND -RPB- DRAINAGE NEEDED TO DRAIN THE CONSTRUCTION OF NORTHBOUND -L- AND WALLS. SEE ROADWAY PLANS FOR THE PERMANENT AND TEMPORARY -DET2- DRAINAGE IN THIS AREA.
  - CONSTRUCT PROPOSED NORTHBOUND -L-, PROPOSED BRIDGE AND APPROACHES, RPC, AND RPD (SEE TMP-14, 15 & 16) UP TO BUT NOT INCLUDING THE FINAL LAYER OF SURFACE COURSE.
  - CONSTRUCT PROPOSED -L- (SOUTHBOUND), PROPOSED BRIDGE, INCLUDING PROPOSED SOUTHBOUND PAVEMENT APPROACHING AND DEPARTING PROPOSED BRIDGE UP TO BUT NOT INCLUDING FINAL LAYER OF SURFACE COURSE. (SEE TMP-15)

### PHASE III

OBJECTIVE: SHIFT US 29-70 INTO TEMPORARY TWO-LANE, TWO-WAY PATTERN ON NEWLY CONSTRUCTED NORTHBOUND LANES TO COMPLETE US 29-70 SOUTHBOUND PAVEMENT CONSTRUCTION AND TO CONSTRUCT ROADWAYS ON WEST SIDE OF US 29-70 (WB RAMPS, REMAINDER OF C2, C3, -Y1-, -Y2- AND -Y3-. THE CONTRACTOR SHALL NOTIFY THE ENGINEER THIRTY (30) CALENDAR DAYS PRIOR TO THE TRAFFIC SHIFT.

SEE SHEETS TMP-23 THROUGH TMP-36

- STEP 1: WHILE MAINTAINING TRAFFIC IN THE PHASE II PATTERN, PERFORM THE FOLLOWING AWAY FROM TRAFFIC:
- PLACE PORTABLE CONCRETE BARRIER (P.C.B) AND PHASE III TEMPORARY PAVEMENT MARKINGS AS MUCH AS POSSIBLE ON THE NEWLY CONSTRUCTED NORTHBOUND LANES BETWEEN -L- STA 40+00 +/- AND -L- STA 76+50 +/- AS SHOWN ON SHEETS TMP-25 THROUGH TMP-27.
  - PLACE TEMPORARY PAVEMENT MARKINGS ON RAMPS C & D AS SHOWN ON SHEETS TMP-25 THRU TMP-27.
  - PLACE TEMPORARY PAVEMENT MARKINGS AND SIGNING ON -Y1- AS SHOWN ON SHEETS TMP-26 AND TMP-29.
  - PLACE TEMPORARY PAVEMENT MARKINGS AND SIGNING ON -Y4- AS SHOWN ON SHEET TMP-25 AND TMP-29.

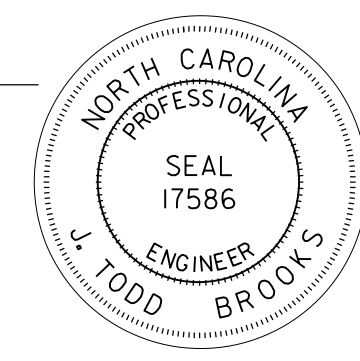
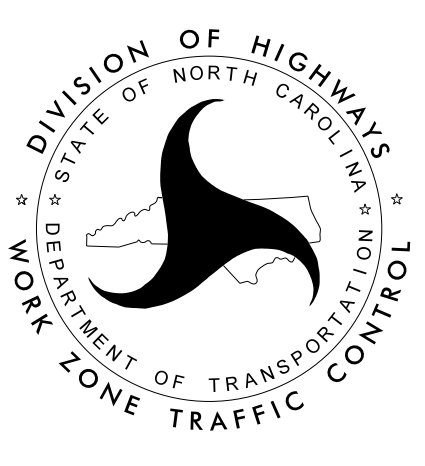
THE CONTRACTOR SHALL COMPLETE PHASE III, STEPS 2 THRU 4 FROM 7:00 PM ON FRIDAY TO 6:00 AM ON MONDAY. [SEE INTERMEDIATE CONTRACT TIME-LIQUIDATED DAMAGES]

- STEP 2: REFERRING TO RSD 1101.03, SHEET 9 OF 9, USE A ROLLING ROADBLOCK TO COMPLETE TIE-IN OF PHASE III TEMPORARY MARKINGS AND SHIFT NORTHBOUND -L- (US 29-70) TRAFFIC TO NEWLY COMPLETED NORTHBOUND -L- PAVEMENT BETWEEN -L- STA 37+02 +/- (-DET3- INTERSECTION) AND THE NORTH PROJECT LIMITS AS FOLLOWS:
- REMOVE CONFLICTING EXISTING PHASE II NORTHBOUND PAVEMENT MARKINGS AND COMPLETE TIE-IN OF PHASE III TEMPORARY MARKINGS ON NORTHBOUND -L- (US 29-70) FROM -L- STA 37+21 +/- TO -L- STA 40+00 +/- AND FROM -L- STA 76+50 +/- TO -L- STA 78+80 +/- AS SHOWN ON SHEETS TMP-24 AND TMP-27.
  - SHIFT DRUMS ALONG NORTHBOUND LANE FROM THEIR PHASE II POSITION TO THEIR PHASE III POSITION FROM -L- STA 37+20 +/- TO -L- STA 40+00 +/-.
  - COMPLETE INSTALLATION OF P.C.B. AND CRASH CUSHION FROM -L- STA. 76+50 +/- TO -DET2- STA. 13+17 +/- AS SHOWN ON SHEET TMP-27.
  - DISCONTINUE ROLLING ROADBLOCK AND REROUTE NORTHBOUND -L- TRAFFIC TO PHASE III TEMPORARY PATTERN ON NEW NORTHBOUND PAVEMENT. SEE SHEETS TMP-23 THROUGH TMP-27.

SIMULTANEOUS WITH THE NORTHBOUND -L- TRAFFIC SHIFT, OPEN TO TRAFFIC US 29-70 NORTHBOUND ENTRANCE RAMP (-RPD-), -Y1- EAST OF -L-, AND -Y4- AS SHOWN ON SHEETS TMP-25, TMP-26, TMP-27 AND TMP-29. -RPC- WILL REMAIN CLOSED AT THIS TIME.

- STEP 3: AWAY FROM TRAFFIC INSTALL PHASE III TEMPORARY MARKINGS AS MUCH AS POSSIBLE AS FOLLOWS:
- ON SOUTHBOUND -DET2- MEDIAN CROSSOVER FROM -L- STA 76+50 +/- TO -L- STA 78+00 +/- AS SHOWN ON SHEET TMP-27.
  - ON SOUTHBOUND -DET3- MEDIAN CROSSOVER FROM -L- STA 39+50 +/- TO -L- STA 40+00 +/- AS SHOWN ON SHEETS TMP-24 AND TMP-25.

PHASE III CONTINUED ON SHEET TMP-3B

APPROVED: _____ DATE: _____ <div style="text-align: center;">             SEAL         </div>	 DIVISION OF HIGHWAYS DEPARTMENT OF TRANSPORTATION WORK ZONE TRAFFIC CONTROL	<h1 style="margin: 0;">PHASING</h1>
<b>DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED</b>		



2610 WYCLIFF ROAD  
SUITE 410  
RALEIGH, NC 27607  
PHONE: 919.881.9939  
NC COA No. F-0929

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## PHASING

### PHASE III (CONT.)

**STEP 4:** REFERRING TO RSD 1101.03, SHEET 9 OF 9, USE A ROLLING ROADBLOCK TO COMPLETE TIE-IN OF PHASE III TEMPORARY MARKINGS AND SHIFT SOUTHBOUND -L- (US 29-70) TRAFFIC TO NEWLY COMPLETED NORTHBOUND -L- PAVEMENT BETWEEN PHASE II -DET2- AT -DET3- INTERSECTION AND THE NORTH PROJECT LIMITS VIA MEDIAN CROSSOVERS -DETC- AND -DETD- AS FOLLOWS:

- REMOVE CONFLICTING EXISTING PHASE II SOUTHBOUND PAVEMENT MARKINGS AND COMPLETE TIE-IN OF PHASE III TEMPORARY MARKINGS ON SOUTHBOUND US 29-70 FROM -L- STA 37+70 +/- TO -L- STA 39+50 +/- AND FROM -L- STA 78+00 +/- TO -L- STA 80+07 +/- . SEE SHEETS TMP-24, TMP-25 AND TMP-27.
- REMOVE P.C.B. FROM -DETB- STA 11+50 +/- TO -DETB- STA 12+00 +/- AND FROM -DET2- STA 18+35 +/- TO -DET2- STA 20+00 +/- .
- SHIFT DRUMS ALONG THE SOUTHBOUND LANE FROM THEIR PHASE II POSITION TO THEIR PHASE III POSITION AS SHOWN ON SHEETS TMP-24, TMP-25, TMP-27, AND TMP-28.
- DISCONTINUE ROLLING ROADBLOCK AND REROUTE SOUTHBOUND -L- TRAFFIC TO PHASE III TEMPORARY PATTERN ON NEW NORTHBOUND PAVEMENT. SEE SHEETS TMP-24 THROUGH TMP-28.
- USING RSD. NO. 1101.02, SHEET 3 OF 14, TO TEMPORARILY EXTEND RIGHT LANE CLOSURE ON SOUTHBOUND -L- TO STA 94+00 +/-, PLACE TEMPORARY PAVEMENT MARKINGS (EDGE LINE AND MERGE ARROWS) ON CLOSED SOUTHBOUND LANE AS SHOWN ON TMP-28.

CONCURRENT WITH SHIFT OF US (29-70) SOUTHBOUND TO PHASE III PATTERN, CLOSE -DET4- AS SHOWN ON SHEETS TMP-26 AND TMP-27 AND DETOUR -Y2- DCCC RD TRAFFIC VIA OLD GREENSBORO ROAD AND EVANS ROAD AS SHOWN ON SHEET TMP-21 AND TMP-22.

**STEP 5:** BEGIN CONSTRUCTION OF THE FOLLOWING AWAY FROM TRAFFIC UP TO BUT NOT INCLUDING FINAL LAYER OF SURFACE COURSE:

- OBLITERATE -DET2- TEMPORARY PAVEMENT FROM JUST WEST OF OLD GREENSBORO ROAD TO -DET4- .
- SOUTHBOUND LANES OF -L- (US 29-70) FROM -L- STA 42+39 +/- TO -L- STA 58+18 +/- AND FROM -L- STA 66+14 +/- TO STA 74+64 +/- AS SHOWN ON TMP-25 THROUGH THRU TMP-27.
- SOUTHBOUND RAMPS A & B (-RPA- & -RPB-) AS SHOWN ON SHEETS TMP-25 THRU TMP-27.

CONTINUE CONSTRUCTION OF -Y1-, -Y2- AND -Y3-, BEGUN IN PHASE II AND COMPLETE THE FOLLOWING AWAY FROM TRAFFIC UP TO BUT NOT INCLUDING FINAL LAYER OF SURFACE COURSE:

- -Y1- OLD GREENSBORO ROAD FROM -L- (US 29-70) TO -Y1- STA 24+06 +/- . (SEE TMP-26)
- -Y2- DCCC ROAD FROM -Y1- TO -Y2- STA 21+00 +/- . (SEE TMP-26 & 27)
- -Y3- FROM NORTH OF -DET- TO -Y1- .
- -C3- ROUNDABOUT AT -Y1-/-Y2-/-Y3- INTERSECTION. (SEE TMP-26)
- -C2- OVAL ROUNDABOUT AT -Y1-/-RPA-/-RPB- INTERSECTION. (SEE TMP-26)

**STEP 6:** BEHIND ROAD CLOSURES, PLACE TEMPORARY MARKINGS, SIGNS AND DEVICES ON -Y1- (OLD GREENSBORO RD) AND -Y2- (DCCC RD) AS SHOWN ON TMP-33. ONCE MARKINGS, SIGNS AND DEVICES ARE IN PLACE, REMOVE TYPE III BARRICADES FROM EAST SIDE OF THE C2 OVAL ROUNDABOUT AND FROM -Y2- STA 21+00 +/- ON DCCC ROAD TO OPEN -Y1- FROM THE OVAL ROUNDABOUT TO -Y2- AND OPEN -Y2- EAST OF -Y1- TO TRAFFIC AS SHOWN ON TMP-33.

AS DIRECTED BY THE ENGINEER, REMOVE THE TYPE III BARRICADES FROM EACH END OF RAMP C AND OPEN RAMP C TO TRAFFIC.

USING RSD 1101.02 SHEET 3 OF 14, EXTEND CLOSURE OF LEFT SOUTHBOUND LANE ON -L- (US 29-70) SOUTHWARD FROM -DETC- TO JUST SOUTH OF -DETE-, THEN INSTALL PHASE III TEMPORARY MARKINGS, AND PLACE DRUMS FOR SOUTHBOUND -L- (US 29-70) ON CLOSED LEFT LANE AND ON -DETE- AS MUCH AS POSSIBLE. (SEE SHEET TMP-31 FOR TEMPORARY MARKINGS).

THE CONTRACTOR SHALL COMPLETE PHASE III, STEP 7 DURING A SINGLE OVERNIGHT WORK PERIOD BETWEEN 7:00 PM AND 6:00 AM THE FOLLOWING MORNING. [SEE INTERMEDIATE CONTRACT TIME-LIQUIDATED DAMAGES]

**STEP 7:** DRUM-OFF NORTHBOUND LEFT TURN LANE ON -L- APPROACHING -DET3- AND INSTALL TYPE III BARRICADES AND CLOSE -DET3- BETWEEN -L- (US 29-70) AND -Y6- (CALDCLEUGH RD) AS SHOWN ON TMP-31. REMOVE TYPE III BARRICADES AND ROAD CLOSURE SIGNING ON -Y6- SOUTH OF THE FORMER -DET3- INTERSECTION AND REOPEN -Y6- (CALDCLEUGH RD) TO TRAFFIC SOUTH OF -DET3- .

REFERRING TO RSD 1101.03, SHEET 9 OF 9, USE A ROLLING ROADBLOCK TO:

- COMPLETE TIE-IN OF PHASE III TEMPORARY MARKINGS ON NORTHBOUND -L- (US 29-70) AS SHOWN ON SHEET TMP-31.
- EXTEND P.C.B SOUTHWARD FROM -L- STA 43+31 +/- TO -DETE- AS SHOWN ON SHEETS TMP-31 AND TMP-32.
- COMPLETE TIE-IN OF PHASE III TEMPORARY MARKINGS ON SOUTHBOUND -L- (US 29-70) AND SHIFT SOUTHBOUND -L- TRAFFIC TO NORTHBOUND -L- PAVEMENT BETWEEN MEDIAN CROSSOVER -DETE- AND -L- STA 43+35 +/- AND BACK TO SOUTHBOUND LANES VIA MEDIAN CROSSOVER -DETE- . SEE SHEETS TMP-30 THRU TMP-32.

**STEP 8:** AWAY FROM TRAFFIC, BEGIN CONSTRUCTION ON PROPOSED SOUTHBOUND OF -L- (US 29-70) FROM -L- STA 30+53 +/- TO -L- STA 42+39 +/- AS SHOWN ON SHEETS TMP-31 AND TMP-32.

USING RSD 1101.02, SHEET 1 OF 14 ON -Y6- (CALDCLEUGH RD) AND AWAY FROM TRAFFIC ON -L- (US 29-70), OBLITERATE -DET3- PAVEMENT BETWEEN -L- AND -Y6- . (SEE SHEET TMP-31)

THE CONTRACTOR SHALL COMPLETE PHASE III, STEP 9 WITHIN FOURTEEN (14) CALENDAR DAYS. [SEE INTERMEDIATE CONTRACT TIME-LIQUIDATED DAMAGES]

**STEP 9:** USING RSD 1101.03, SHEET 1, INSTALL SIGNS AND PLACE TYPE III BARRICADES TO CLOSE -DET- AND -Y1- (OLD GREENSBORO RD) TO TRAFFIC BETWEEN -Y3- AND -Y1- STA 29+55 +/- AS SHOWN ON TMP-33 AND TMP-34. DETOUR OLD GREENSBORO ROAD TRAFFIC TO -L- (US 29-70) VIA EVANS ROAD AS SHOWN ON SHEET TMP-21 AND TMP-22.

ONCE -DET- AND -Y1- ARE CLOSED, PERFORM THE FOLLOWING WORK:

- CONSTRUCT REMAINDER OF -Y1- (OLD GREENSBORO RD) UP TO -Y1- STA 26+98 AND USING RSD 1101.02, SHEET 1, MILL AND RESURFACE OF -Y1- FROM -Y1- STA 26+98 TO -Y1- STA 33+00 UP TO BUT NOT INCLUDING FINAL LAYER OF SURFACE COURSE (SEE TMP-34).
- PLACE TEMPORARY MARKINGS AND SIGNS ON -Y1 NORTH OF -Y2-/-Y3- AS SHOWN ON TMP-35 AND TMP-36.
- REMOVE TYPE III BARRICADES FROM -Y1- (OLD GREENSBORO RD) AND OPEN REMAINDER OF -Y1- TO TRAFFIC AS SHOWN ON TMP-35 AND TMP-36.

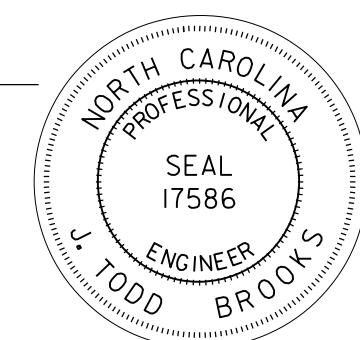
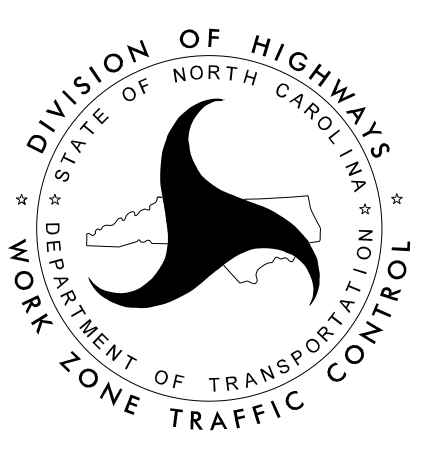
**STEP 10:** CONSTRUCT TEMPORARY DRIVEWAY BETWEEN -DET- AND -Y1- TO MAINTAIN ACCESS TO SPECTRUM AND SUBWAY, AND CLOSE CALDCLEUGH ROAD AS SHOWN ON TMP-35.

**STEP 11:** CONSTRUCT -Y3- (CALDCLEUGH RD) FROM -Y3- STA 28+00 TO -Y3- STA 32+48 +/- UP TO BUT NOT INCLUDING FINAL LAYER OF SURFACE COURSE (SEE TMP-35).

PHASE IV CONTINUED ON SHEET TMP-3C

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## PHASING

### PHASE III (CONT.)

STEP 12: PLACE TEMPORARY MARKINGS (PAINT) IN PROPOSED FINAL PATTERN ON -Y3- FROM -Y3- STA 28+00 TO -Y1-, THEN REMOVE TYPE III BARRICADES AND REOPEN -Y3- CALDCLEUGH ROAD TO TRAFFIC. USING RSD 1101.02 SHEET 1, REMOVE -DET- TEMPORARY PAVEMENT. COMPLETE CONSTRUCTION OF -L- SOUTHBOUND LANES AND SOUTHBOUND RAMPS A & B BEGUN EARLIER IN PHASE III UP TO BUT NOT INCLUDING FINAL LAYER OF SURFACE COURSE. PLACE TEMPORARY MARKINGS IN PROPOSED FINAL PATTERN ON SOUTHBOUND LANES OF -L- (US 29-70) AND ON RAMPS A & B.

### PHASE IV

OBJECTIVE: SHIFT US (29-70) TRAFFIC TO FINAL DIVIDED MULTI-LANE PATTERN AND COMPLETE REMAINING MEDIAN CONSTRUCTION, FINAL LAYER OF SURFACE COURSE AND FINAL PAVEMENT MARKINGS.

STEP 1: REFERRING TO RSD 1101.03, SHEET 9 OF 9, USE A ROLLING ROADBLOCK TO COMPLETE TIE-IN OF PHASE IV TEMPORARY MARKINGS AND SHIFT SOUTHBOUND -L- (US 29-70) TRAFFIC INTO A SINGLE LANE PATTERN ON THE NEWLY COMPLETED SOUTHBOUND -L- PAVEMENT BETWEEN PHASE III -DETD- AND -DETE- AS FOLLOWS:

- REMOVE CONFLICTING EXISTING PHASE III SOUTHBOUND PAVEMENT MARKINGS AND COMPLETE TIE-IN OF PHASE IV TEMPORARY MARKINGS ON SOUTHBOUND -L- (US 29-70) FROM -L- STA 21+76 +/- TO -L- STA 30+68 +/- AND FROM -L- STA 74+64 +/- TO -L- STA 84+83 +/- AND REROUTE SOUTHBOUND -L- TRAFFIC TO PHASE IV TEMPORARY PATTERN ON NEW SOUTHBOUND PAVEMENT AS SHOWN ON SHEETS TMP-37, TMP-38, TMP-41 AND TMP-42.
- SHIFT DRUMS ALONG NORTHBOUND LANE FROM THEIR PHASE III POSITION TO THEIR PHASE IV POSITION AS SHOWN ON SHEETS TMP-41 AND TMP-42.

STEP 2: WHILE MAINTAINING -L- (US 29-70) NORTHBOUND TRAFFIC IN THE PHASE III SINGLE LANE PATTERN IN THE OUTSIDE LANE AND SOUTHBOUND TRAFFIC IN SINGLE LANE PATTERN ON OUTSIDE LANE AS SHOWN ON SHEETS TMP-37 THROUGH TMP-42, PERFORM THE FOLLOWING AWAY FROM TRAFFIC:

- REMOVE THE PORTABLE CONCRETE BARRIER PLACED ON THE NORTHBOUND LANES OF -L- DURING PHASE III AND REPLACE P.C.B. WITH DRUMS SPACED 55 FT C-C. PROTECT ANY EXPOSED P.C.B. ENDS WITH A CRASH CUSHION OR TRUCK MOUNTED ATTENUATOR. ONCE P.C.B. HAS BEEN COMPLETELY REMOVED, COVER SUBSEQUENTLY REMOVE OFFSITE RESTRICTED WIDTH ROUTE SIGNING INSTALLED IN PHASE II.
- COMPLETE ALL REMAINING CONSTRUCTION IN THE -L- (US 29-70) MEDIAN, INCLUDING REMOVAL OF TEMPORARY PAVEMENT, COMPLETION OF MEDIAN BARRIER, CONSTRUCTION OF GUARDRAIL AND CURB & GUTTER. SEE SHEETS TMP-37, TMP-38, TMP-39, TMP-41 AND TMP-42.

STEP 3: USING RSD 1101.02, SHEET 3 OF 14, PERFORM THE FOLLOWING:

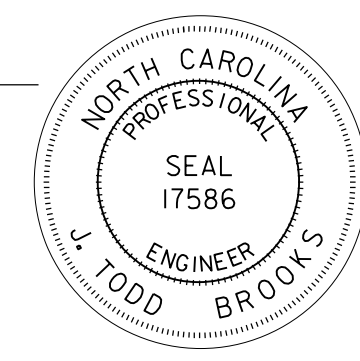

- CONSTRUCT REMAINING OUTSIDE WIDENING ON -L- UP TO BUT NOT INCLUDING THE FINAL LAYER OF SURFACE COURSE AS SHOWN ON SHEET TMP-46 AND TMP-47.
- MILL AND RESURFACE PORTIONS OF -L- UP TO BUT NOT INCLUDING THE FINAL LAYER OF SURFACE COURSE FROM -L- STA. 12+70 +/- TO STA. 41+93 +/- AND FROM -L- STA. 74+64 +/- TO STA. 54+60 +/- AS SHOWN ON SHEETS TMP-43 THRU TMP-47. IN CONJUNCTION WITH MILLING & RESURFACING, PLACE TEMPORARY PAVEMENT MARKINGS (PAINT) ON THE NORTHBOUND AND SOUTHBOUND LANES OF -L- AS PER THE FINAL PAVEMENT MARKING PLANS.
- COMPLETE ANY REMAINING GUARDRAIL WORK.

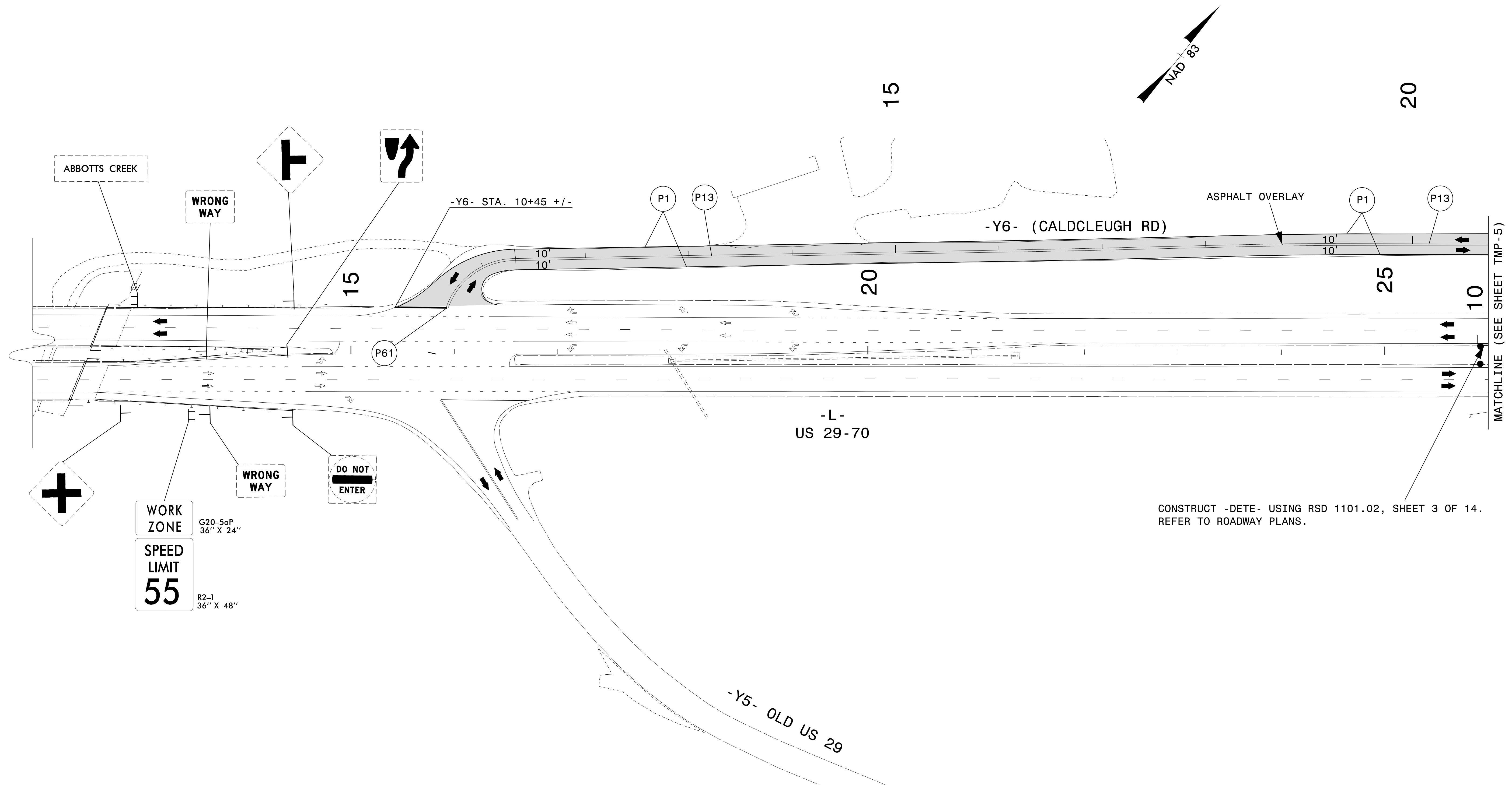
STEP 4: USING RSD 1101.02, SHEETS 1, 2 AND 3 OF 14, PLACE THE FINAL LAYER OF SURFACE COURSE AND FINAL PAVEMENT MARKINGS ON -L- AND ALL -Y- LINES. REMOVE ANY TEMPORARY CONSTRUCTION SIGNING AND DEVICES AND OPEN TO TRAFFIC.

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2610 WYCLIFF ROAD  
 SUITE 410  
 RALEIGH, NC 27607  
 PHONE: 919.881.9939  
 NC COA No. F-0929

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CONSTRUCT -DETE- USING RSD 1101.02, SHEET 3 OF 14.  
REFER TO ROADWAY PLANS.

TEMPORARY PAVEMENT MARKING		
PAVEMENT MARKING LINES:		
P1	WHITE EDGELINE	PAINT (4")
P13	YELLOW DOUBLE CENTER	PAINT (4")
P61	WHITE STOP BAR	PAINT (24")

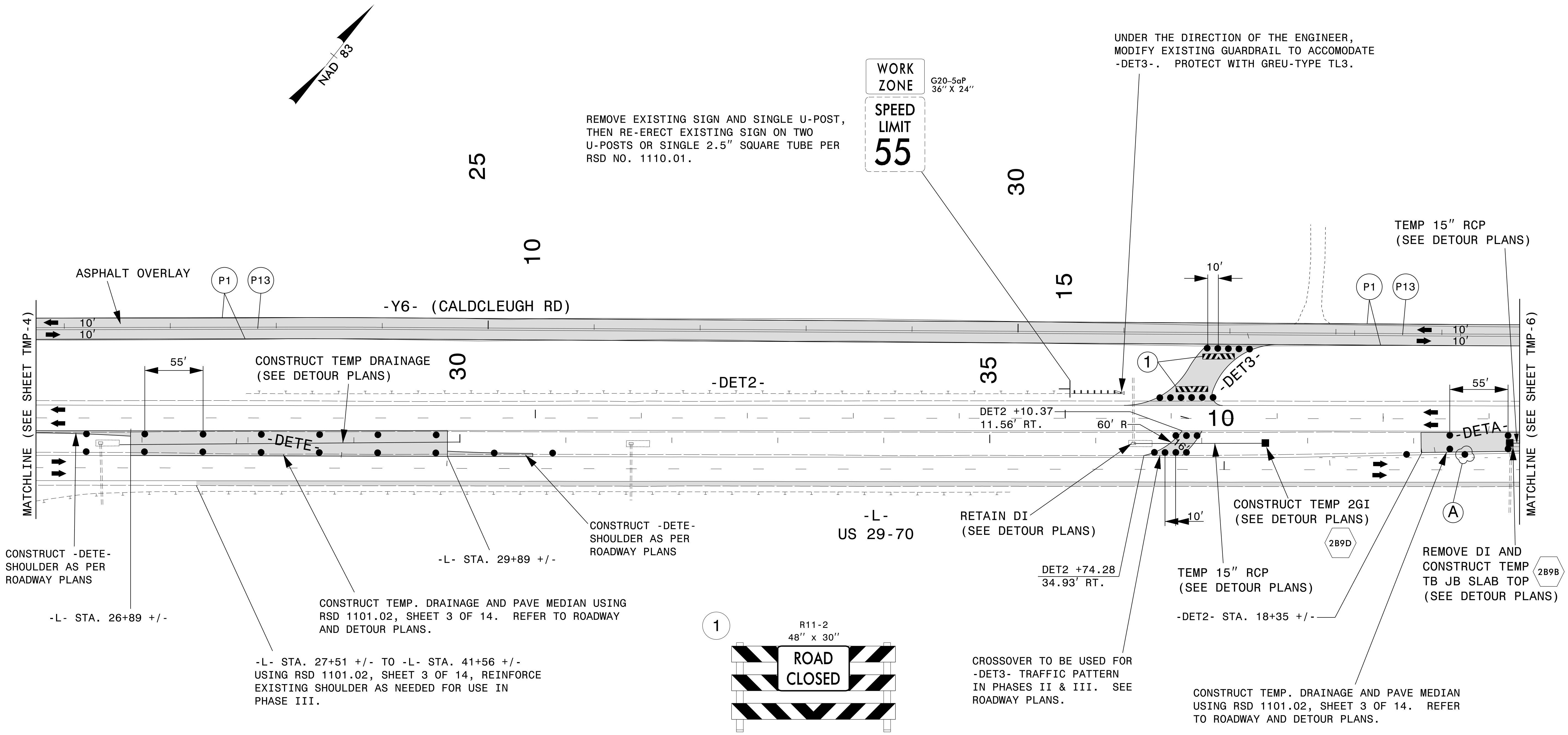
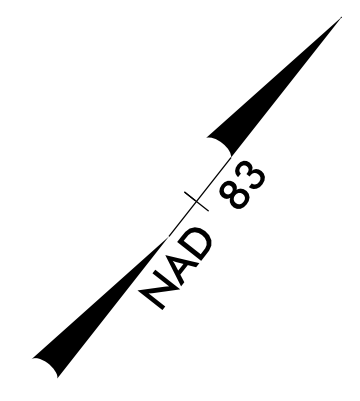
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 mishok

**Dewberry**  
 2610 WYCLIFF ROAD  
 SUITE 410  
 RALEIGH, NC 27607  
 PHONE: 919.881.9939  
 NC COA No. F-0929

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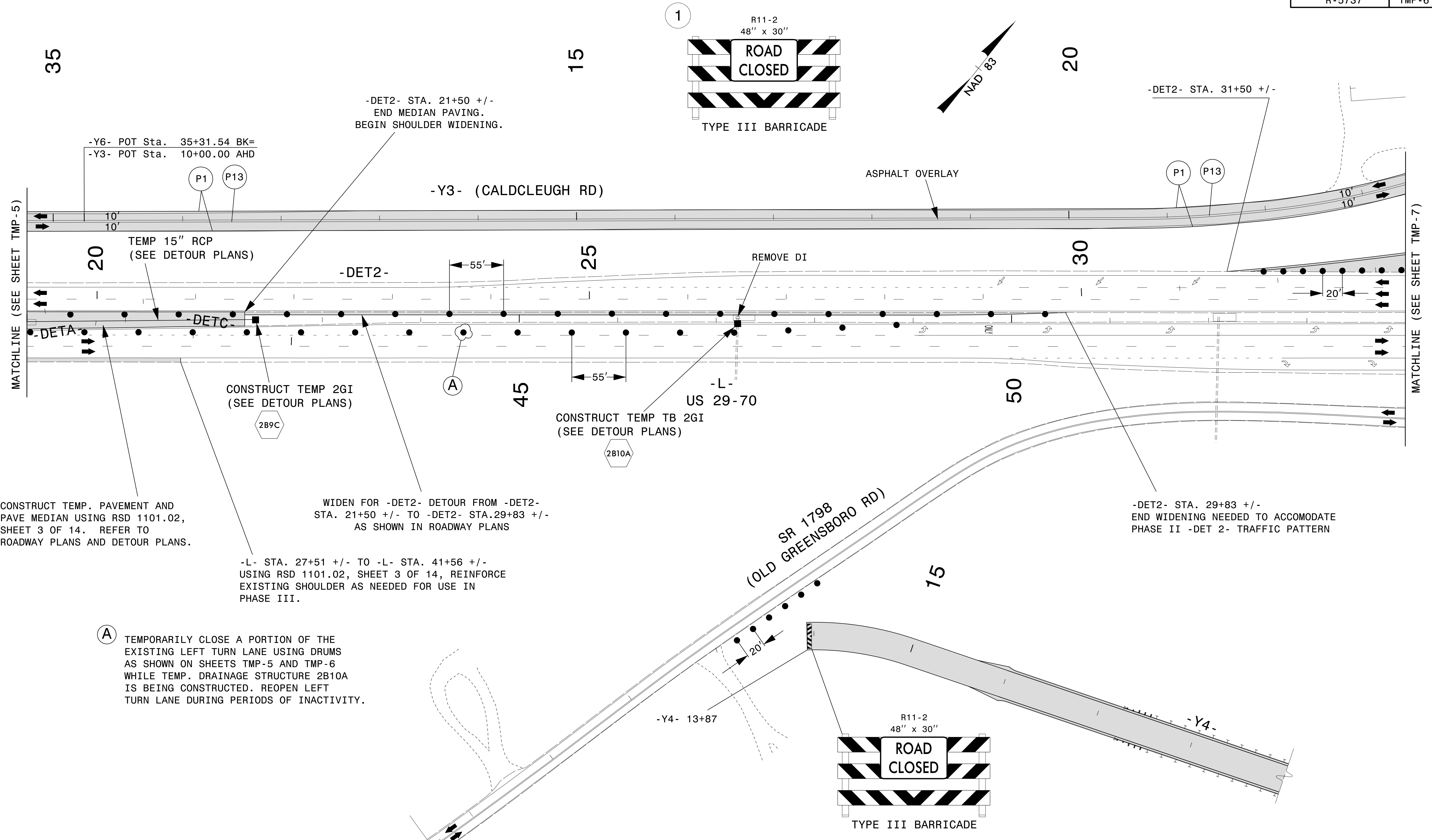
TEMPORARY PAVEMENT MARKING		
PAVEMENT MARKING LINES:		
(P1)	WHITE EDGELINE	PAINT (4")
(P13)	YELLOW DOUBLE CENTER	PAINT (4")

(A) TEMPORARILY CLOSE A PORTION OF THE EXISTING LEFT TURN LANE USING DRUMS AS SHOWN ON SHEETS TMP-5 AND TMP-6 WHILE TEMP. DRAINAGE STRUCTURE 2B9B IS BEING CONSTRUCTED. REOPEN LEFT TURN LANE DURING PERIODS OF INACTIVITY.

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 SUITE 410  
 RALEIGH, NC 27607  
 PHONE: 919.881.9939  
 NC COA No. F-0929

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CONSTRUCT TEMP. PAVEMENT AND PAVE MEDIAN USING RSD 1101.02, SHEET 3 OF 14. REFER TO ROADWAY PLANS AND DETOUR PLANS.

CONSTRUCT TEMP 2GI (SEE DETOUR PLANS)

WIDEN FOR -DET2- DETOUR FROM -DET2- STA. 21+50 +/- TO -DET2- STA. 29+83 +/- AS SHOWN IN ROADWAY PLANS

-L- STA. 27+51 +/- TO -L- STA. 41+56 +/- USING RSD 1101.02, SHEET 3 OF 14, REINFORCE EXISTING SHOULDER AS NEEDED FOR USE IN PHASE III.

**A** TEMPORARILY CLOSE A PORTION OF THE EXISTING LEFT TURN LANE USING DRUMS AS SHOWN ON SHEETS TMP-5 AND TMP-6 WHILE TEMP. DRAINAGE STRUCTURE 2B10A IS BEING CONSTRUCTED. REOPEN LEFT TURN LANE DURING PERIODS OF INACTIVITY.

TEMPORARY PAVEMENT MARKING	
PAVEMENT MARKING LINES:	
<b>P1</b>	WHITE EDGELINE PAINT (4")
<b>P13</b>	YELLOW DOUBLE CENTER PAINT (4")

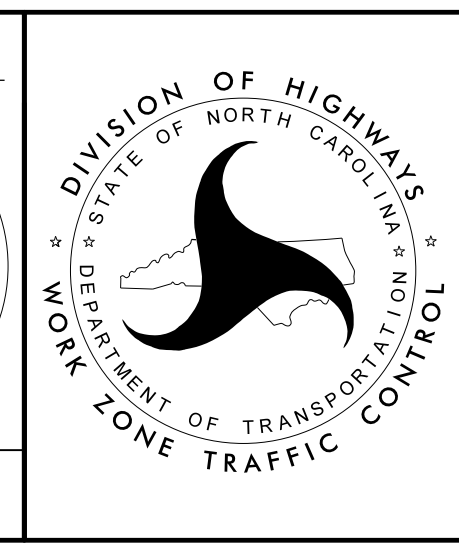


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SUITE 410  
RALEIGH, NC 27607  
PHONE: 919.881.9939  
NC COA No. F-0929

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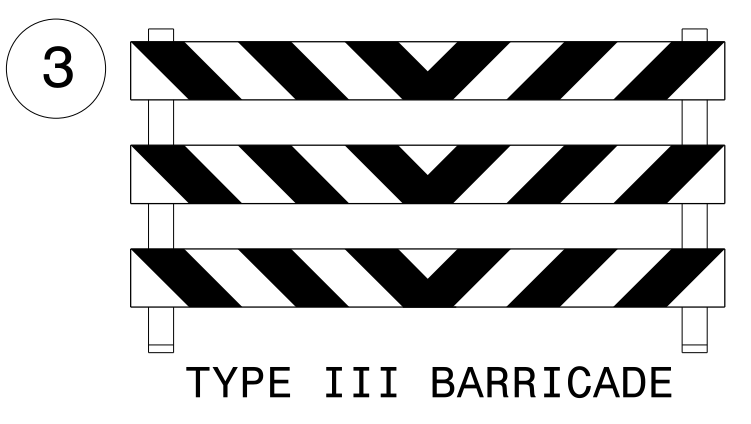
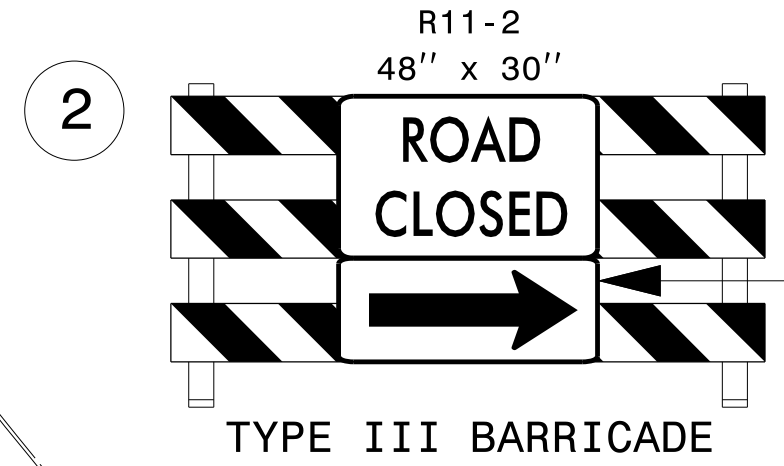
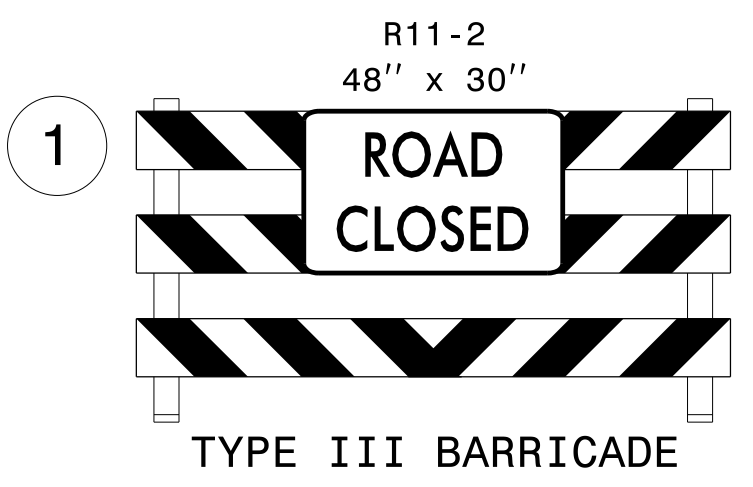
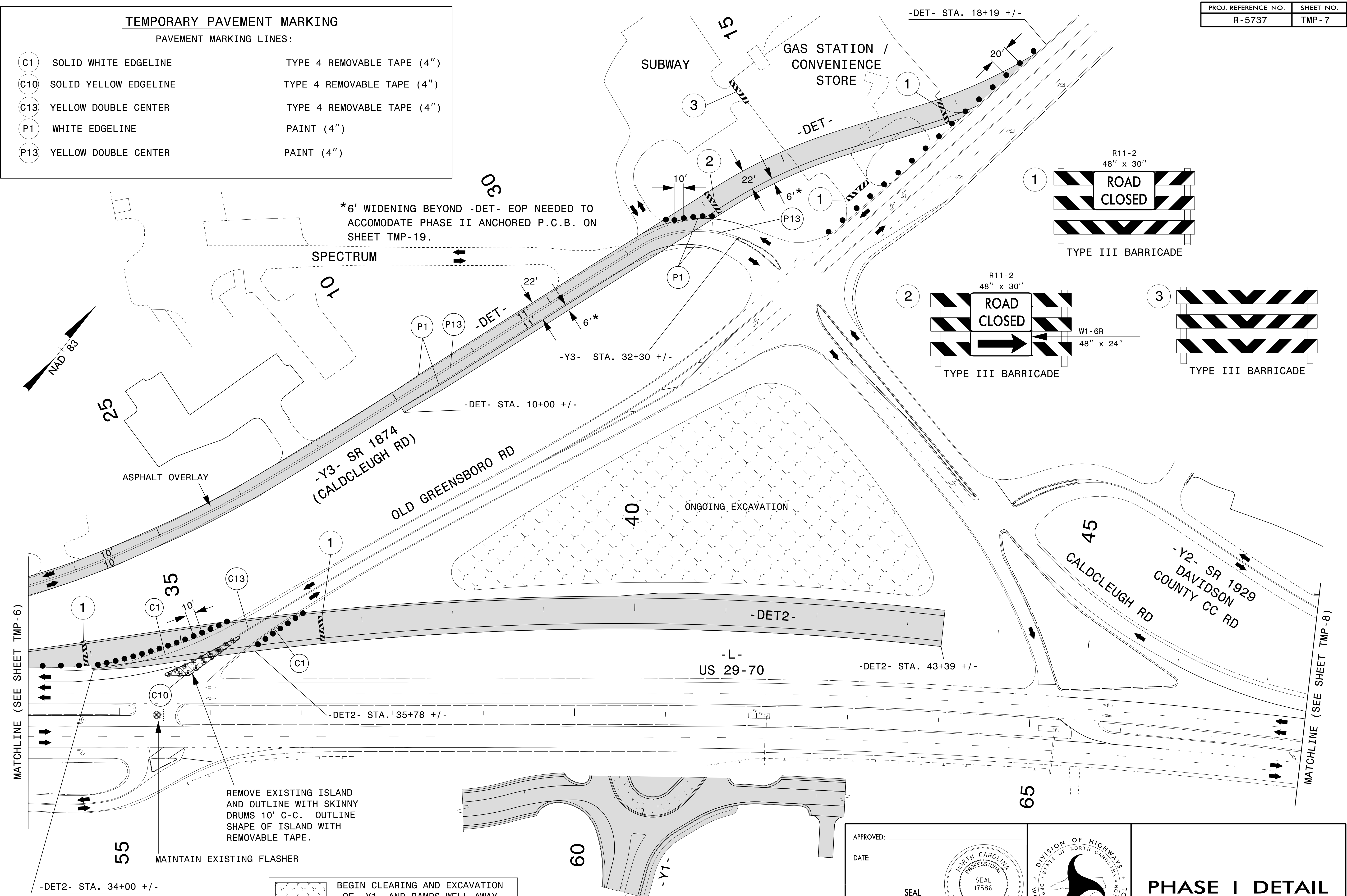
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**TEMPORARY PAVEMENT MARKING**

PAVEMENT MARKING LINES:

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(C10) SOLID YELLOW EDGELINE	TYPE 4 REMOVABLE TAPE (4")
(C13) YELLOW DOUBLE CENTER	TYPE 4 REMOVABLE TAPE (4")
(P1) WHITE EDGELINE	PAINT (4")
(P13) YELLOW DOUBLE CENTER	PAINT (4")



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REMOVE EXISTING ISLAND AND OUTLINE WITH SKINNY DRUMS 10' C-C. OUTLINE SHAPE OF ISLAND WITH REMOVABLE TAPE.

MAINTAIN EXISTING FLASHER

BEGIN CLEARING AND EXCAVATION OF -Y1- AND RAMPS WELL AWAY FROM TRAFFIC

**Dewberry**

2610 WYCLIFF ROAD  
 SUITE 410  
 RALEIGH, NC 27607  
 PHONE: 919.881.9939  
 NC COA No. F-0929

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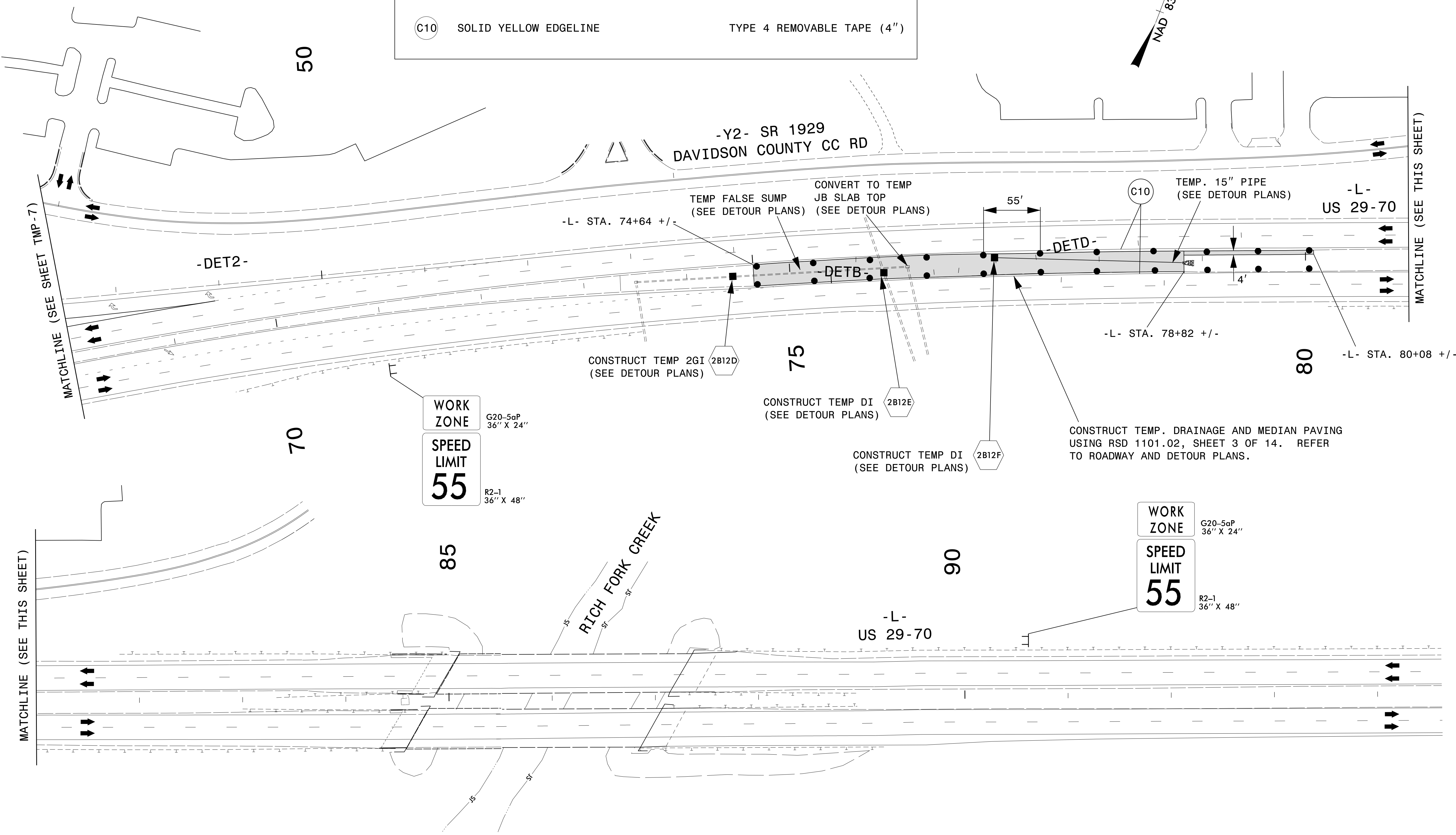
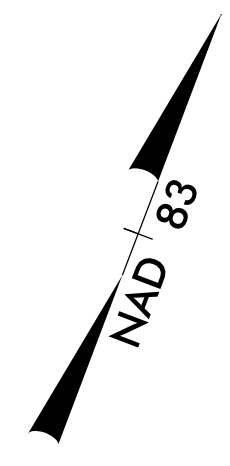
DIVISION OF HIGHWAYS  
 NORTH CAROLINA  
 DEPARTMENT OF TRANSPORTATION  
 WORK ZONE TRAFFIC CONTROL

**PHASE I DETAIL**

**TEMPORARY PAVEMENT MARKING**

PAVEMENT MARKING LINES:

 SOLID YELLOW EDGELINE	TYPE 4 REMOVABLE TAPE (4")
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**WORK ZONE**  
G20-5aP  
36" X 24"

**SPEED LIMIT 55**  
R2-1  
36" X 48"

**WORK ZONE**  
G20-5aP  
36" X 24"

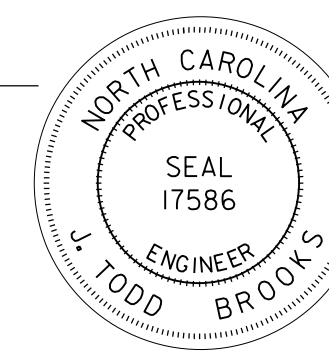
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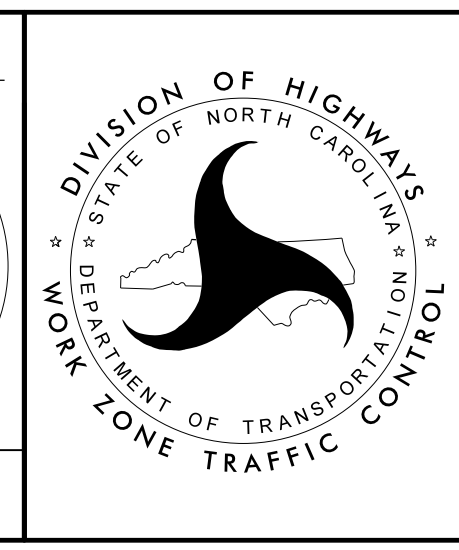
 **Dewberry**  
2610 WYCLIFF ROAD  
SUITE 410  
RALEIGH, NC 27607  
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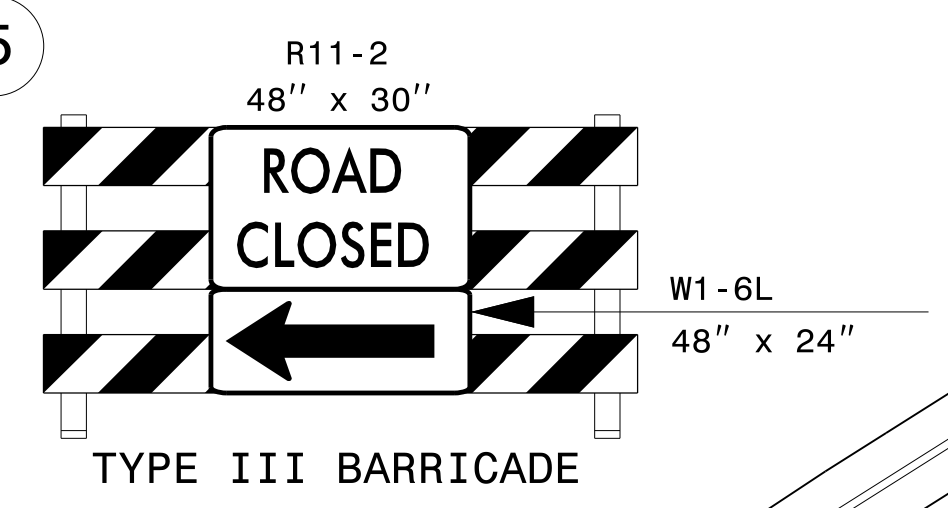
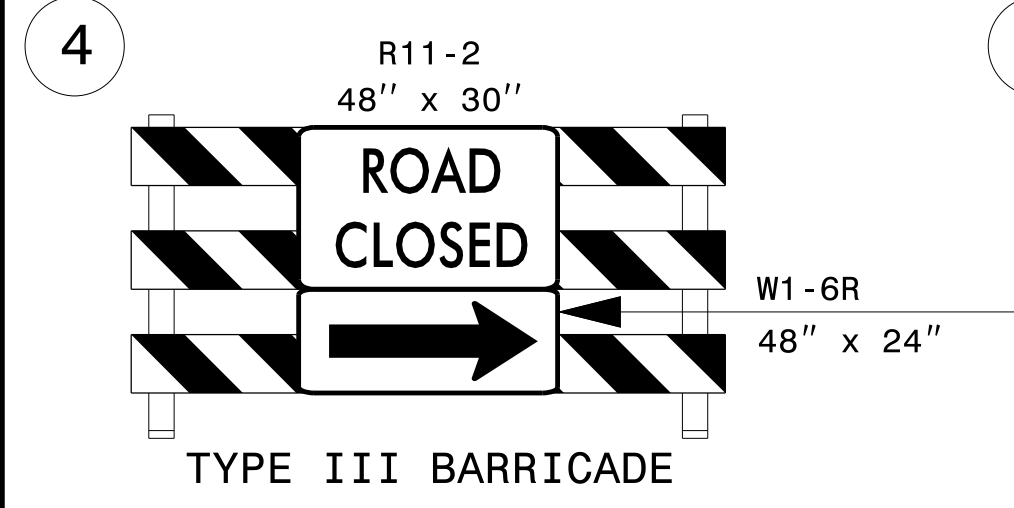
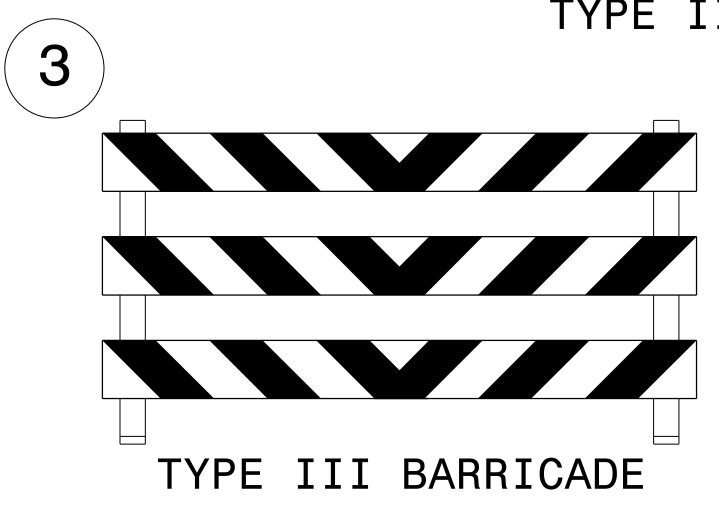
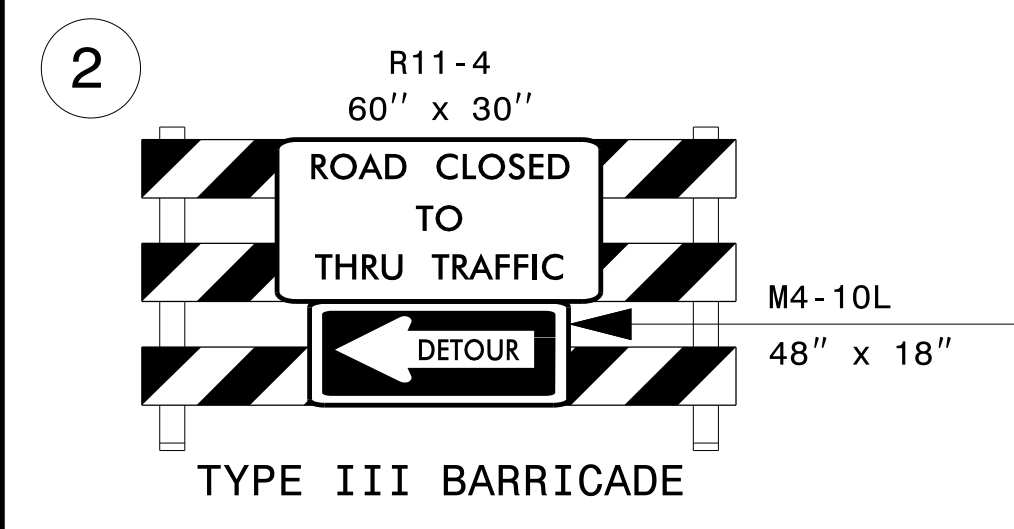
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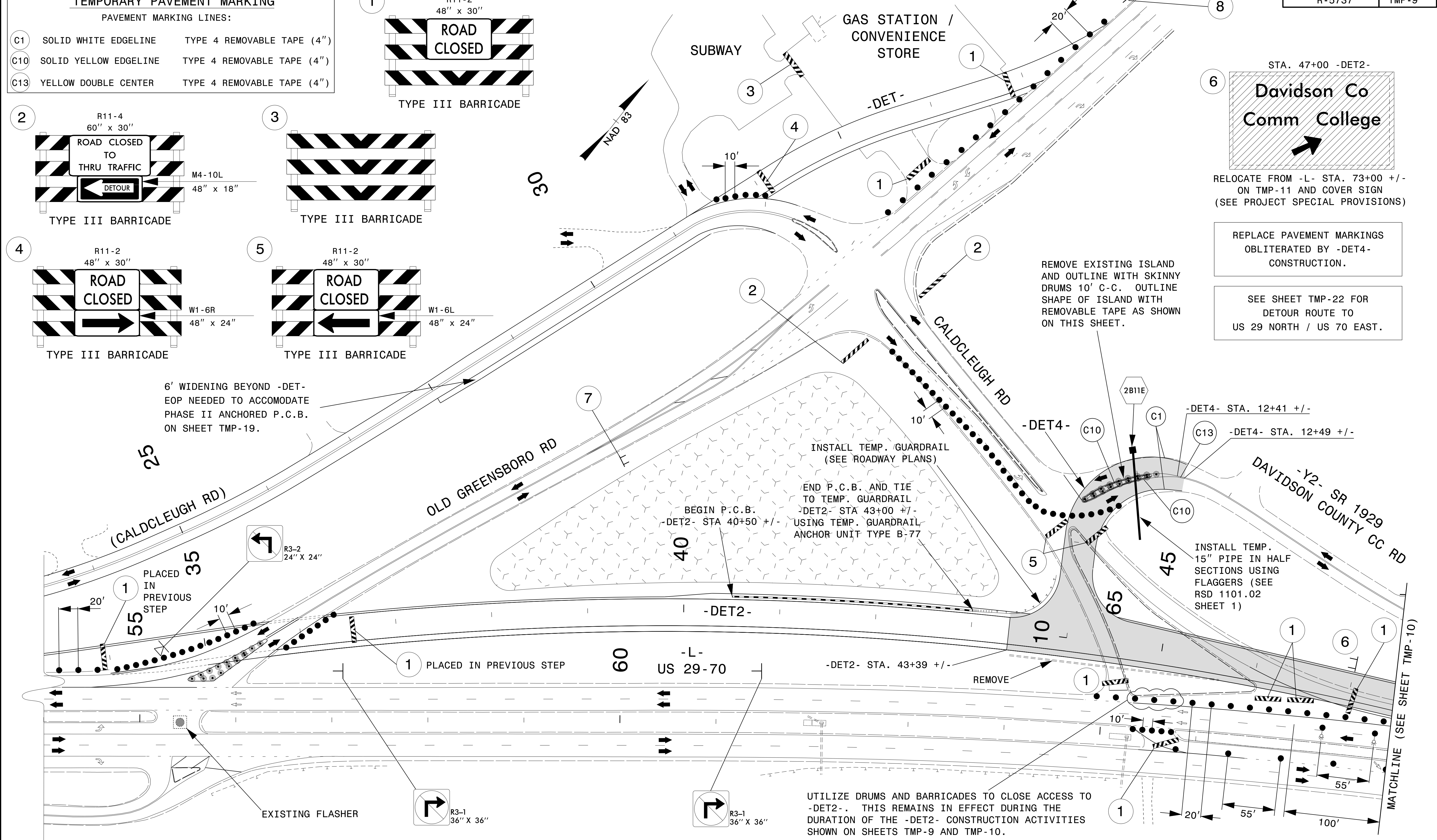
**TEMPORARY PAVEMENT MARKING**

PAVEMENT MARKING LINES:

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C10	SOLID YELLOW EDGLINE	TYPE 4 REMOVABLE TAPE (4")
C13	YELLOW DOUBLE CENTER	TYPE 4 REMOVABLE TAPE (4")



6' WIDENING BEYOND -DET-EOP NEEDED TO ACCOMMODATE PHASE II ANCHORED P.C.B. ON SHEET TMP-19.

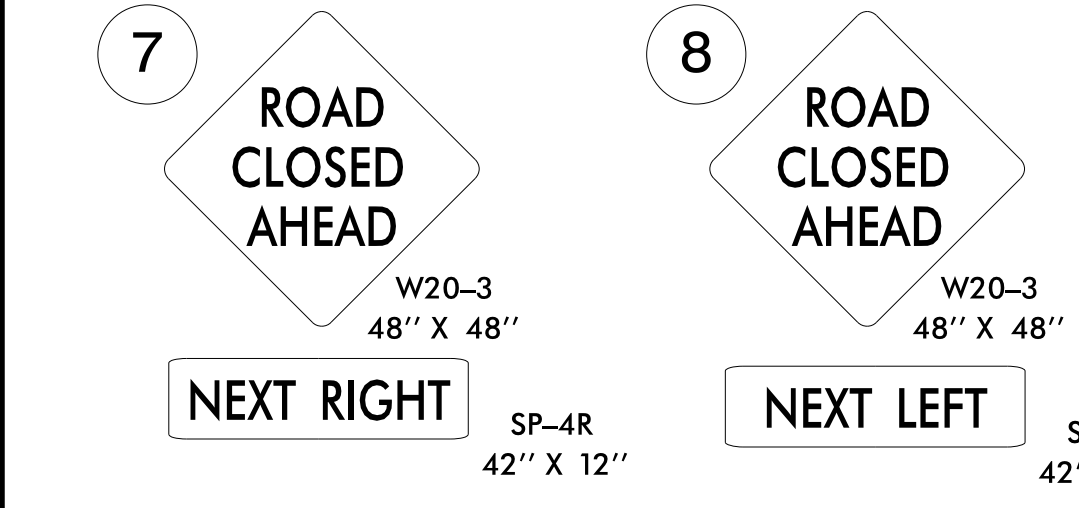


STA. 47+00 -DET2-  
**Davidson Co Comm College**  
 RELOCATE FROM -L- STA. 73+00 +/- ON TMP-11 AND COVER SIGN (SEE PROJECT SPECIAL PROVISIONS)

REPLACE PAVEMENT MARKINGS OBLITERATED BY -DET4- CONSTRUCTION.

SEE SHEET TMP-22 FOR DETOUR ROUTE TO US 29 NORTH / US 70 EAST.

UTILIZE DRUMS AND BARRICADES TO CLOSE ACCESS TO -DET2-. THIS REMAINS IN EFFECT DURING THE DURATION OF THE -DET2- CONSTRUCTION ACTIVITIES SHOWN ON SHEETS TMP-9 AND TMP-10.



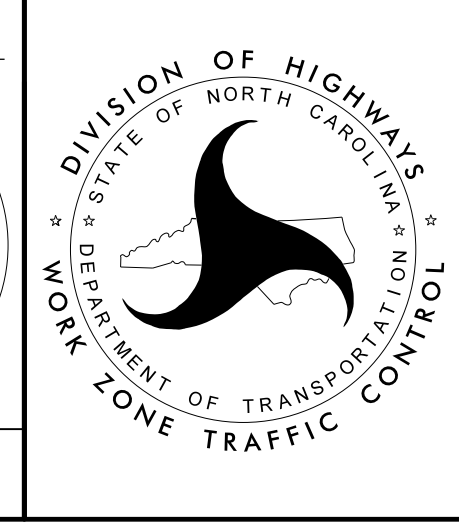
ONGOING CLEARING AND EXCAVATION OF -Y1- AND RAMPS WELL AWAY FROM TRAFFIC

FOR US 29-70 SOUTHBOUND DETOUR TO DCCC AND OLD GREENSBORO ROAD, SEE DETOUR DETAIL ON TMP-21



2610 WYCLIFF ROAD  
 SUITE 410  
 RALEIGH, NC 27607  
 PHONE: 919.881.9939  
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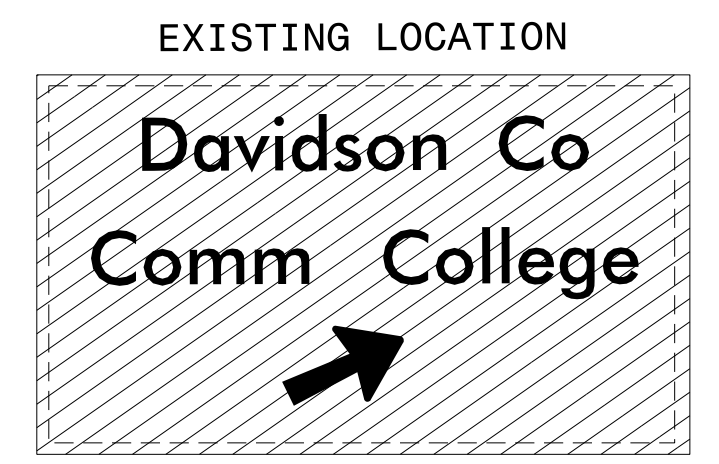
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 DATE: \_\_\_\_\_  
 SEAL  
 NORTH CAROLINA PROFESSIONAL ENGINEER  
 SEAL 17586  
 J. TODD BROOKS



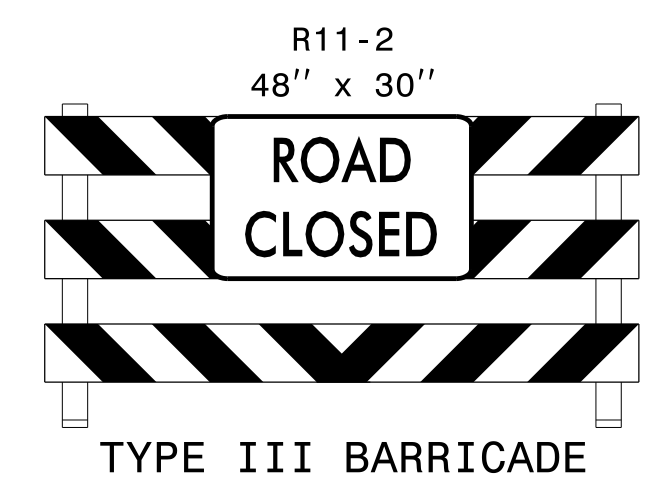
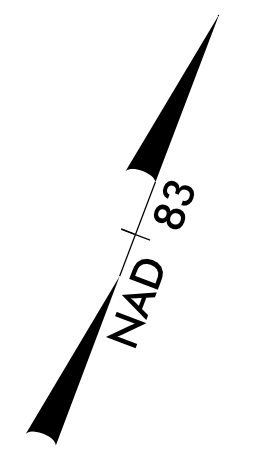
**PHASE I DETAIL**

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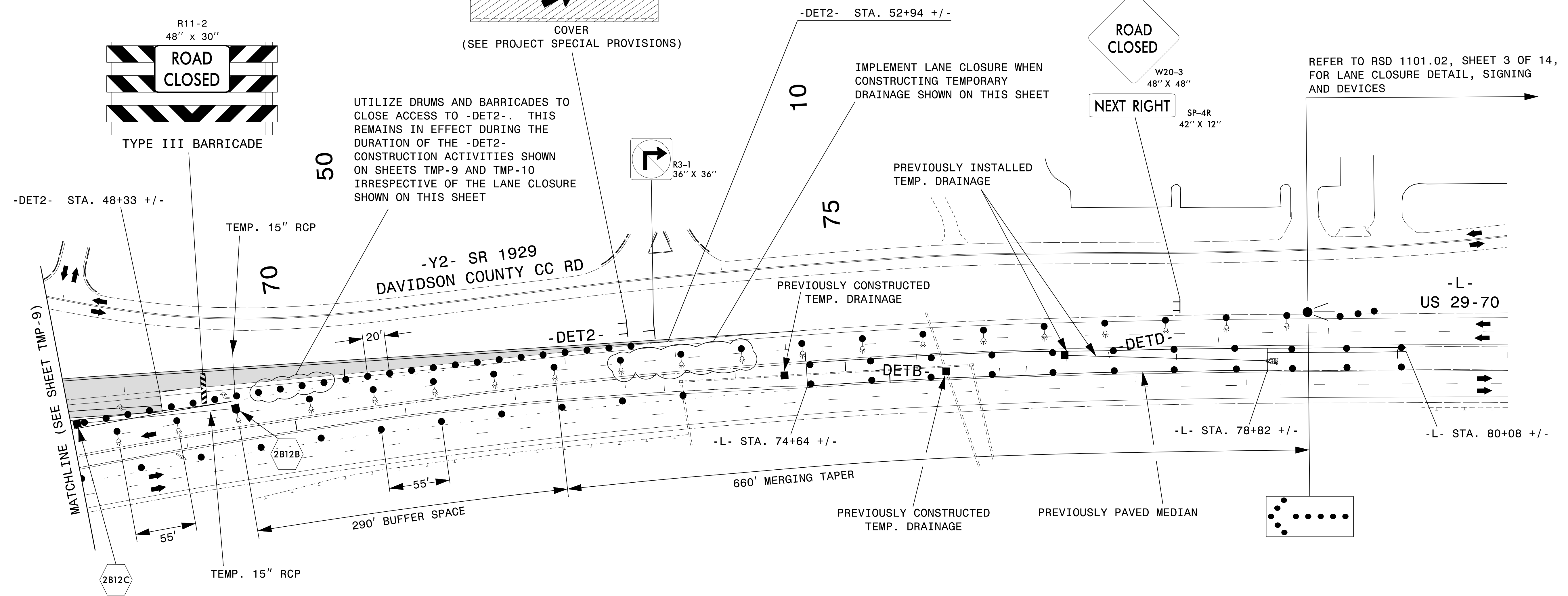


SEE SHEET TMP-21 FOR SIGNING AND DETOUR ROUTE NEEDED TO ACCESS THE COLLEGE DURING RAMP CLOSURE



COVER  
(SEE PROJECT SPECIAL PROVISIONS)

UTILIZE DRUMS AND BARRICADES TO CLOSE ACCESS TO -DET2-. THIS REMAINS IN EFFECT DURING THE DURATION OF THE -DET2- CONSTRUCTION ACTIVITIES SHOWN ON SHEETS TMP-9 AND TMP-10 IRRESPECTIVE OF THE LANE CLOSURE SHOWN ON THIS SHEET



REFER TO RSD 1101.02, SHEET 3 OF 14, FOR LANE CLOSURE DETAIL, SIGNING AND DEVICES

PLACE WESTBOUND -L- TRAFFIC IN SINGLE LANE AS SHOWN ON SHEETS TMP-9 AND TMP-10 DURING CONSTRUCTION OF TEMPORARY DRAINAGE STRUCTURES 2B12B, 2B12C AND THE TEMP. 15" RCP BETWEEN THEM. (SEE DETOUR PLANS)

**2B12B** USING THE LANE CLOSURE SHOWN ON THIS SHEET, CONSTRUCT TEMP. JB TO A POINT WHERE IT CAN BE QUICKLY COMPLETED WHEN TRAFFIC IS SHIFTED TO -DET2- ALIGNMENT IN PHASE II. UNDER THE DIRECTION OF THE ENGINEER, COVER INCOMPLETED TEMP. JB SO THAT EXISTING TRAVEL LANE CAN BE REOPENED TO TRAFFIC UNTIL TRAFFIC IS SHIFTED TO -DET2- IN PHASE II.

**2B12C** USING THE LANE CLOSURE SHOWN ON THIS SHEET, CONSTRUCT TEMP. 2GI TO A POINT WHERE IT CAN BE QUICKLY COMPLETED WHEN TRAFFIC IS SHIFTED TO -DET2- ALIGNMENT IN PHASE II. UNDER THE DIRECTION OF THE ENGINEER, COVER INCOMPLETED TEMP. 2GI SO THAT EXISTING TRAVEL LANE CAN BE REOPENED TO TRAFFIC UNTIL TRAFFIC IS SHIFTED TO -DET2- IN PHASE II.

(SEE DETOUR PLANS FOR TEMPORARY DRAINAGE DETAILS)

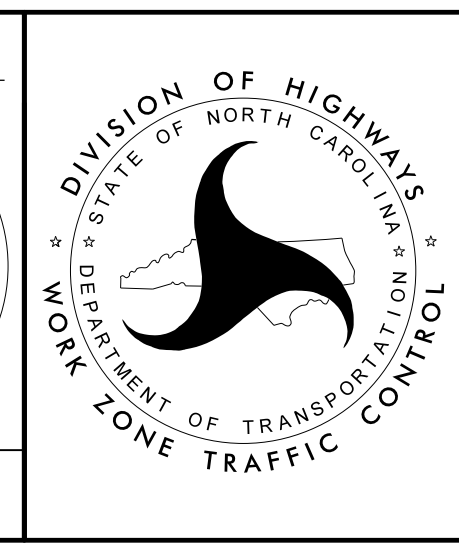


2610 WYCLIFF ROAD  
SUITE 410  
RALEIGH, NC 27607  
PHONE: 919.881.9939  
NC COA No. F-0929

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

SEAL

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



**PHASE I DETAIL**

I3-JUL-2021 10:37  
 P:\5006407\CAD\CIVIL\5737\Traffic\TrafficControl\Plans\Alternative\5737\_TCP\_ICP\_10.dgn  
 AT: PC00A13J  
 abeshears

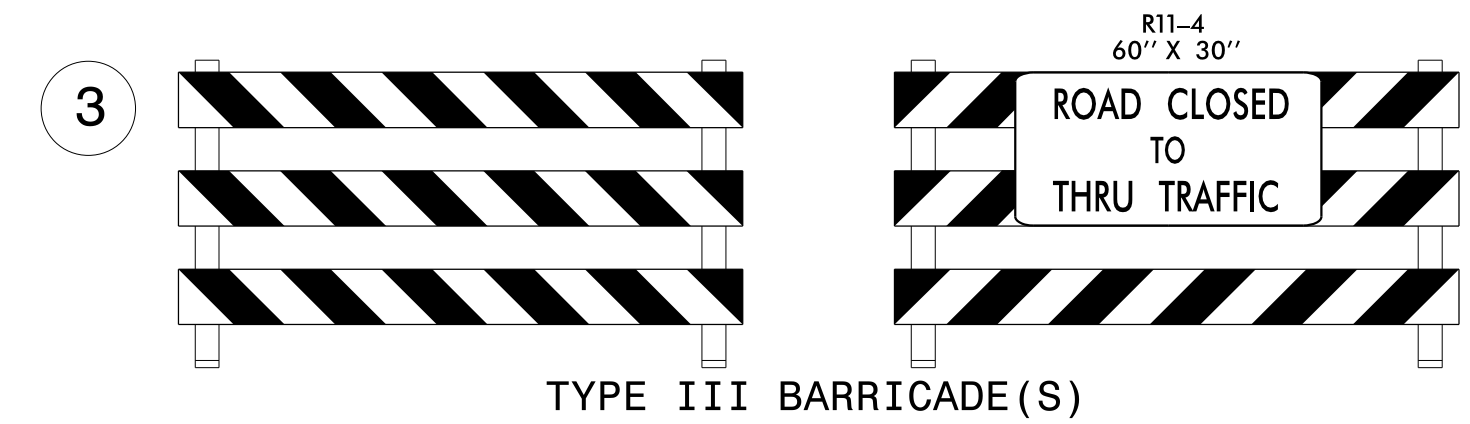
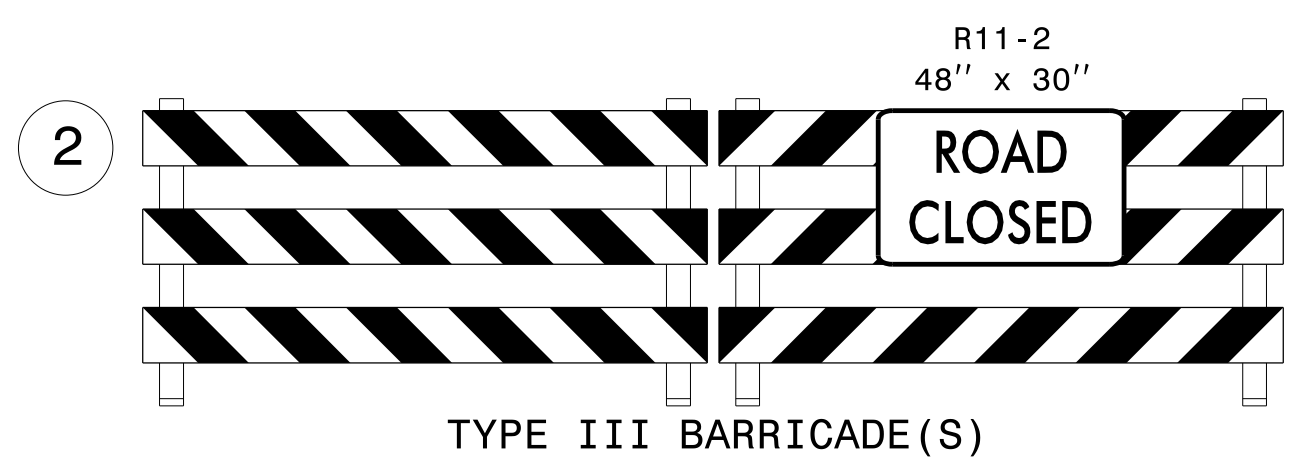
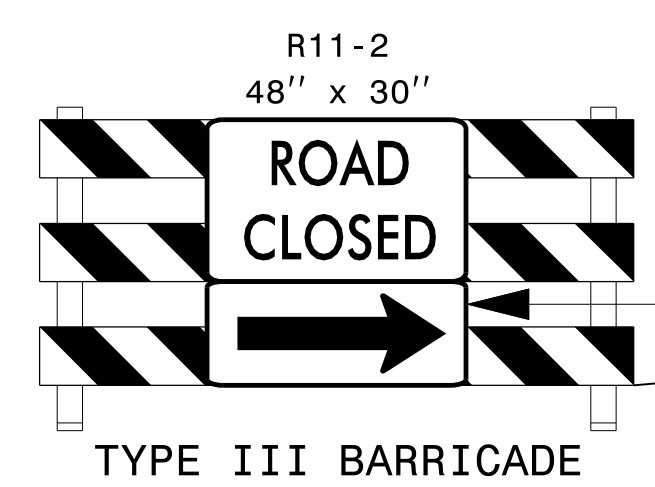
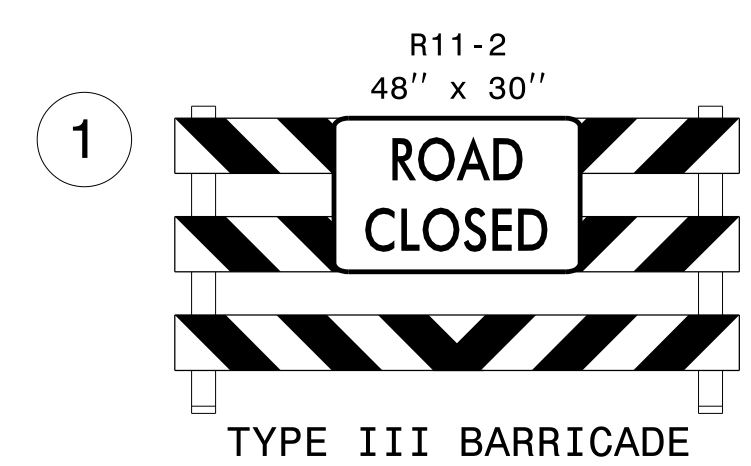
2B13B 2B13C

UNDER THE DIRECTION OF THE ENGINEER, COVER INCOMPLETED TEMPORARY DRAINAGE STRUCTURES SO THAT EXISTING TRAVEL LANE CAN BE REOPENED TO TRAFFIC UNTIL THE PHASE II -DET2- SHIFT.

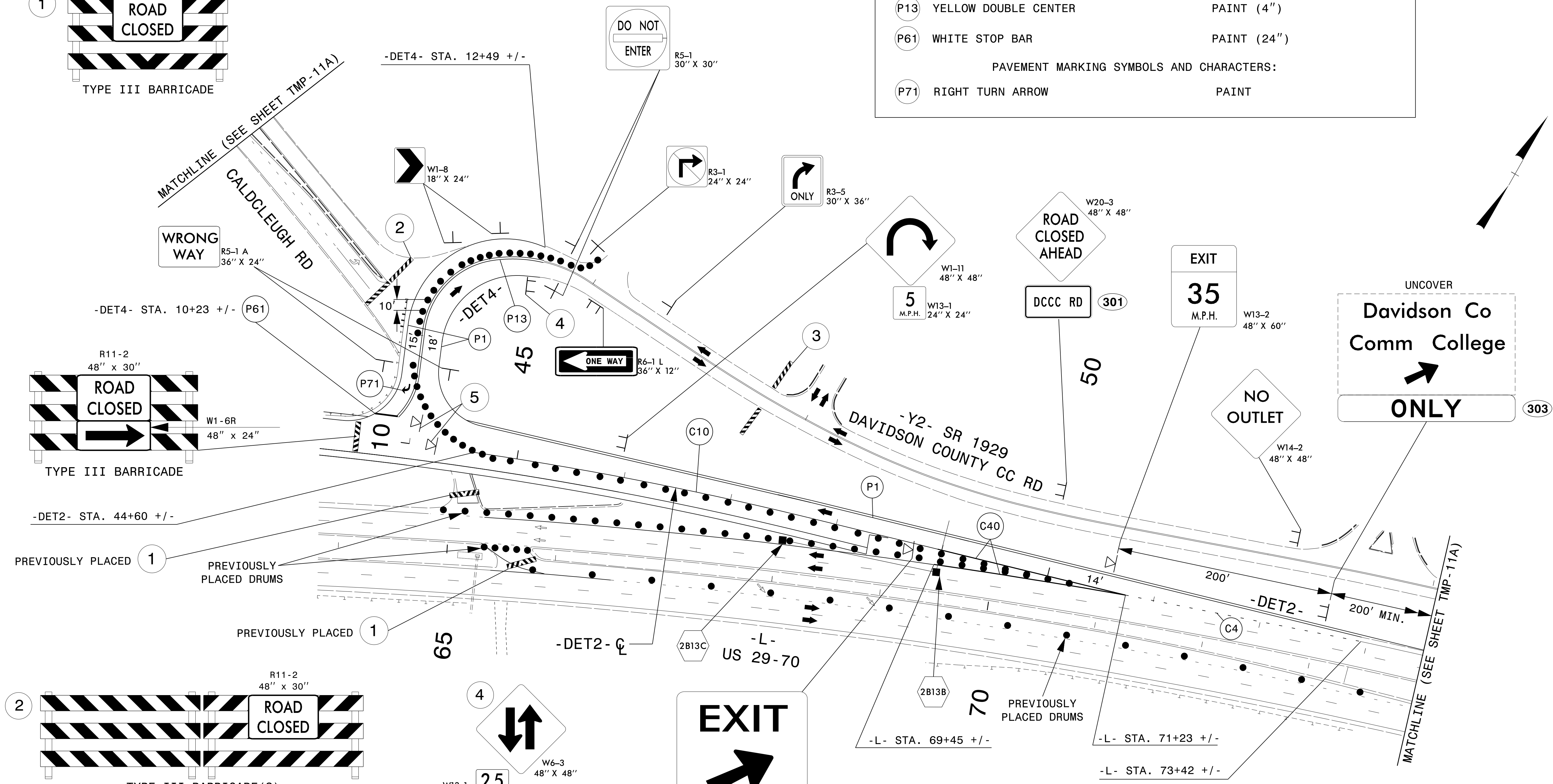
### TEMPORARY PAVEMENT MARKING

#### PAVEMENT MARKING LINES:

- |  |                            |                            |
|--|----------------------------|----------------------------|
| C4                                       | WHITE 3 FT / 9 FT MINISKIP | TYPE 4 REMOVABLE TAPE (4") |
| C10                                      | SOLID YELLOW EDGELINE      | TYPE 4 REMOVABLE TAPE (4") |
| C40                                      | WHITE GORELINE             | TYPE 4 REMOVABLE TAPE (8") |
| P1                                       | SOLID WHITE EDGELINE       | PAINT (4")                 |
| P13                                      | YELLOW DOUBLE CENTER       | PAINT (4")                 |
| P61                                      | WHITE STOP BAR             | PAINT (24")                |
| PAVEMENT MARKING SYMBOLS AND CHARACTERS: |                            |                            |
| P71                                      | RIGHT TURN ARROW           | PAINT                      |



13-JUL-2021 10:37 P:\5006407\7\CAD\CIVIL\5737\TrafficControl\Plans\Alternative\5737\_TCP\_IL.dgn abeshears AT PC0413J

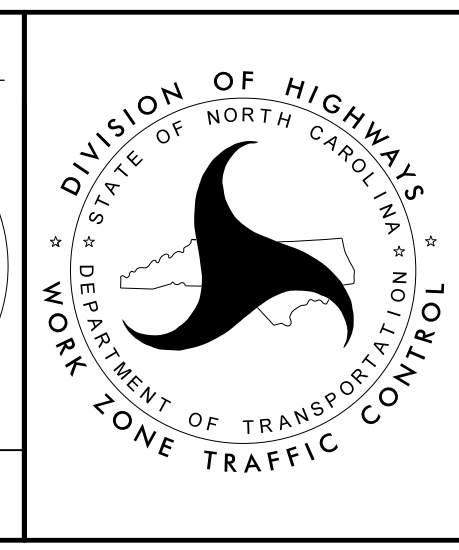


2610 WYCLIFF ROAD  
SUITE 410  
RALEIGH, NC 27607  
PHONE: 919.881.9939  
NC COA No. F-0929

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

SEAL

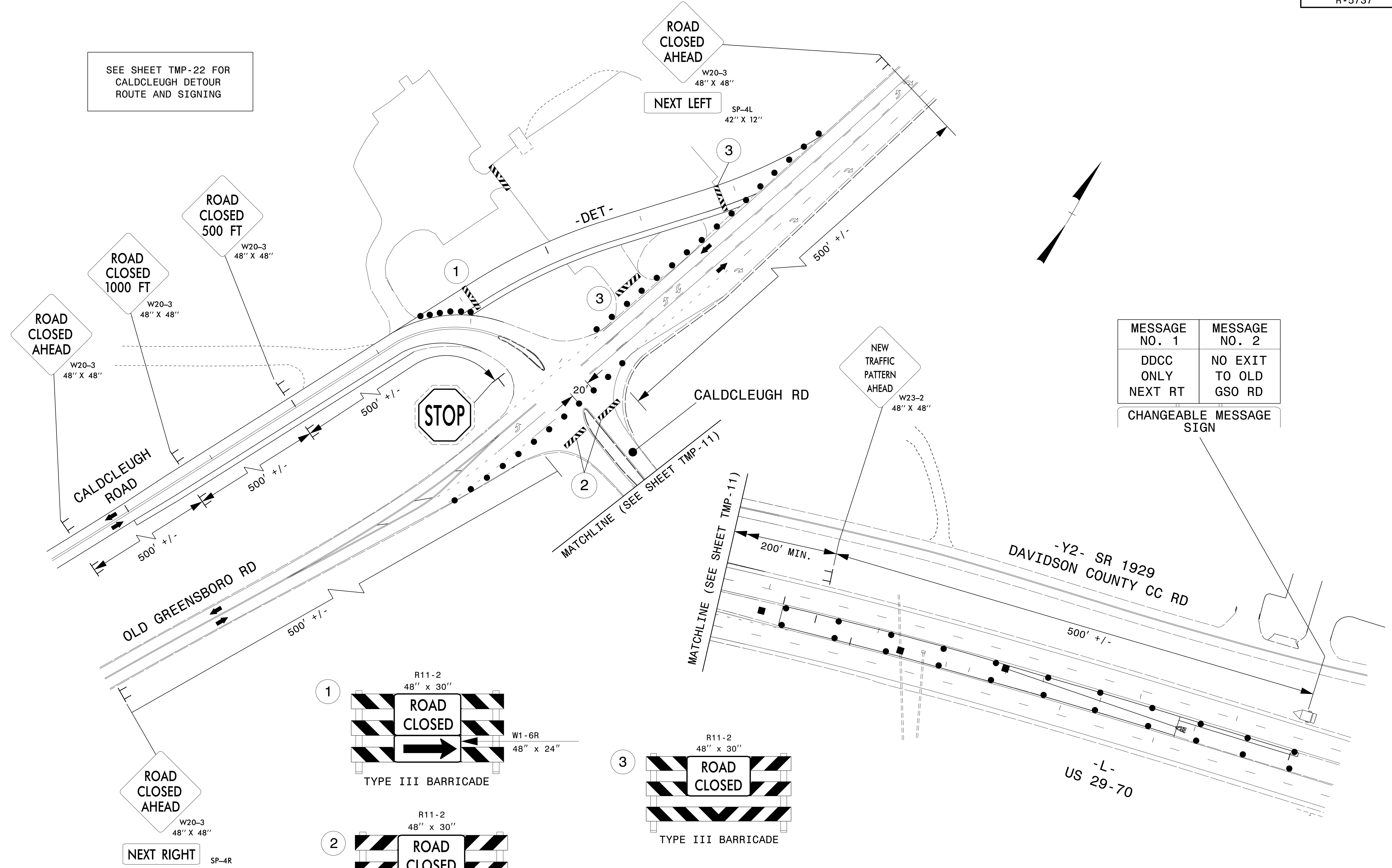
**DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED**



**PHASE I DETAIL**

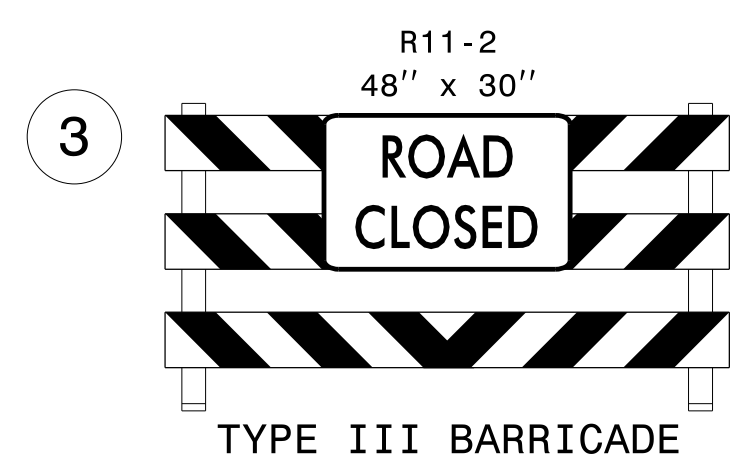
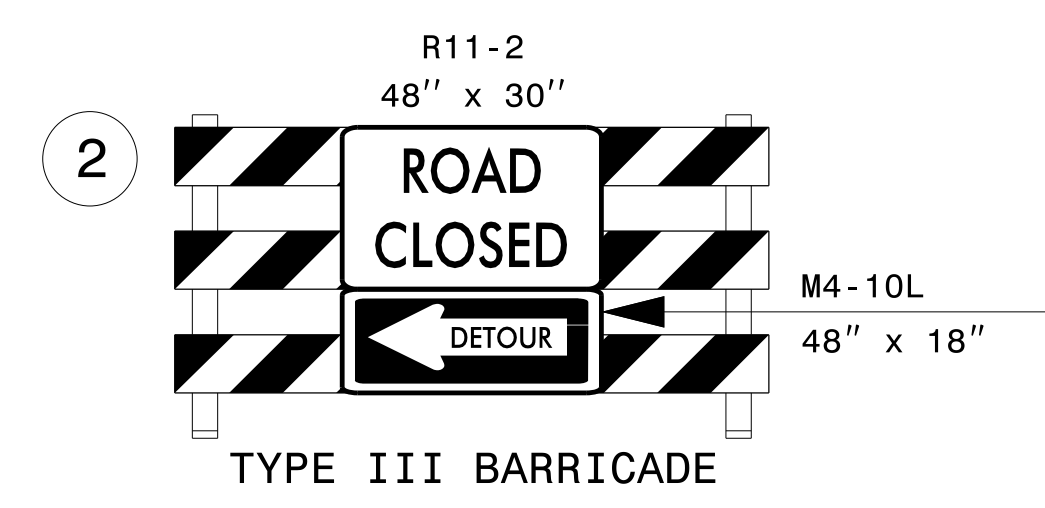
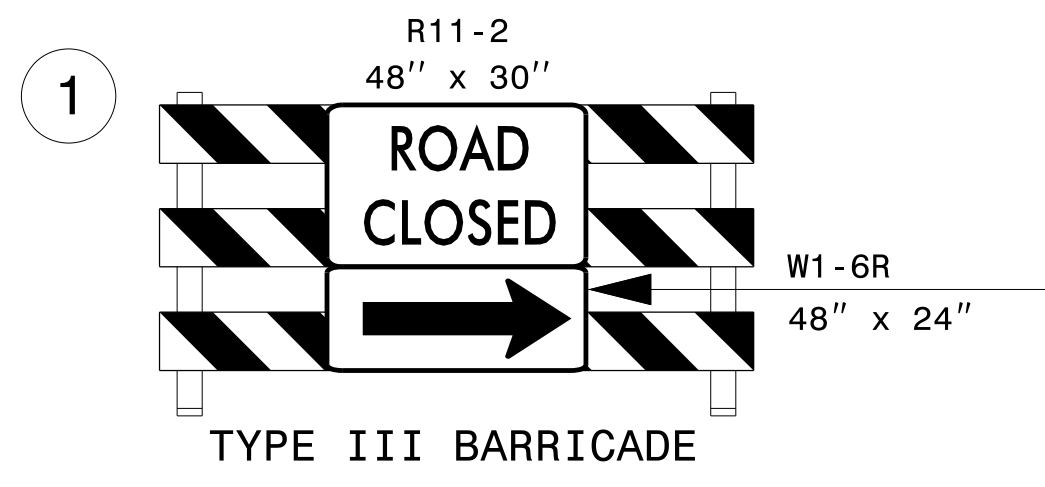
UNCOVER Davidson Co Comm College ONLY

SEE SHEET TMP-22 FOR CALDCLEUGH DETOUR ROUTE AND SIGNING



MESSAGE NO. 1	MESSAGE NO. 2
DDCC ONLY NEXT RT	NO EXIT TO OLD GSO RD

CHANGEABLE MESSAGE SIGN



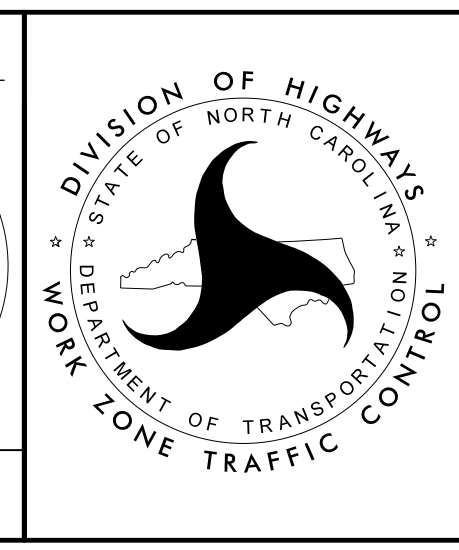
13-JUL-2021 10:37  
 P:\5006407\CAD\CIVIL\5737\TrafficControl\Plans\Alternative\5737\_TCP\_11A.dgn  
 AT\_PCOUAT3J  
 abeshears

**Dewberry**  
 2610 WYCLIFF ROAD  
 SUITE 410  
 RALEIGH, NC 27607  
 PHONE: 919.881.9939  
 NC COA No. F-0929

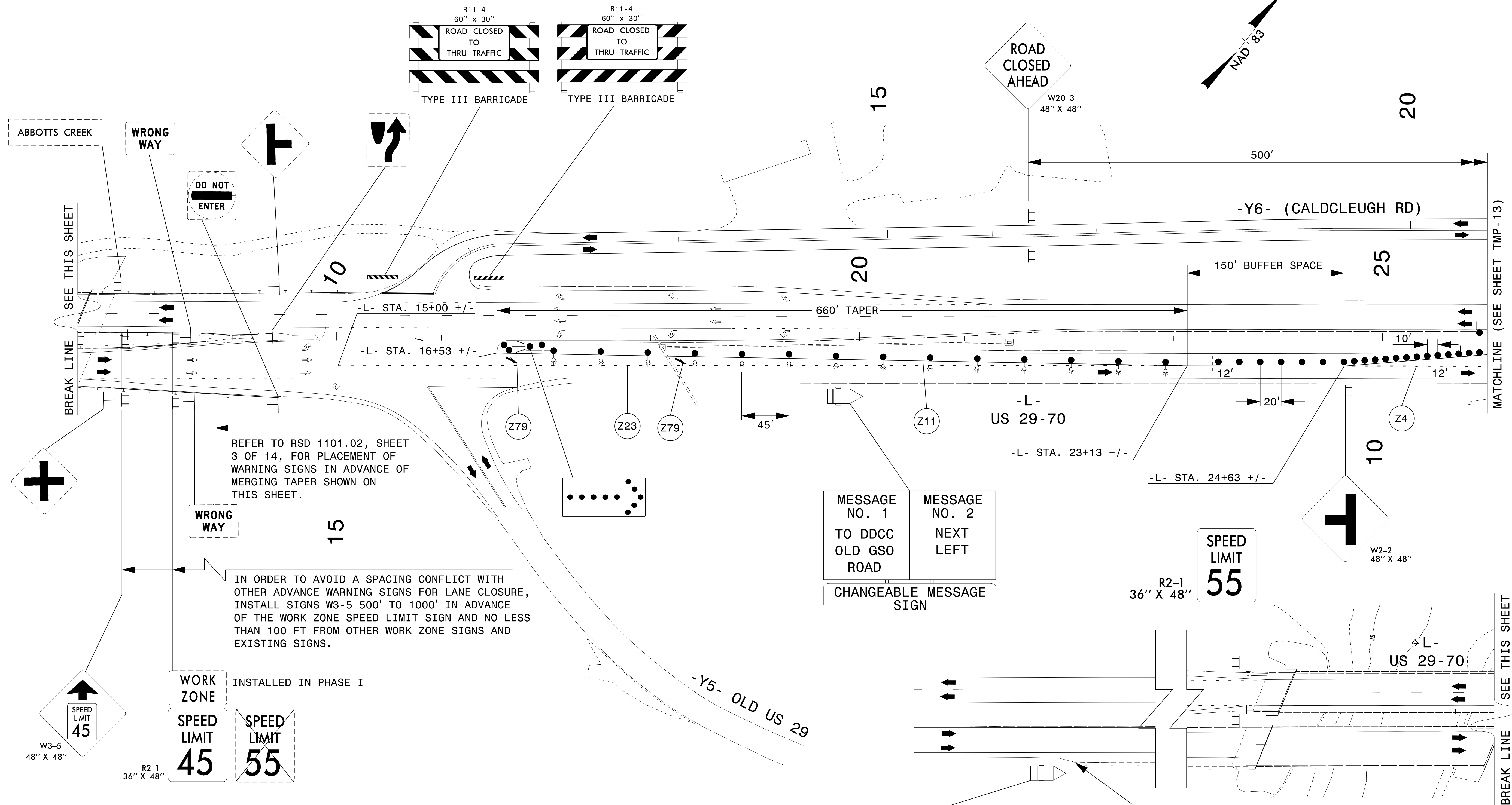
APPROVED: \_\_\_\_\_  
 DATE: \_\_\_\_\_

SEAL

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UNLESS ALL SIGNATURES COMPLETED**



**PHASE I DETAIL**



REFER TO RSD 1101.02, SHEET 3 OF 14, FOR PLACEMENT OF WARNING SIGNS IN ADVANCE OF MERGING TAPER SHOWN ON THIS SHEET.

IN ORDER TO AVOID A SPACING CONFLICT WITH OTHER ADVANCE WARNING SIGNS FOR LANE CLOSURE, INSTALL SIGNS W3-5 500' TO 1000' IN ADVANCE OF THE WORK ZONE SPEED LIMIT SIGN AND NO LESS THAN 100 FT FROM OTHER WORK ZONE SIGNS AND EXISTING SIGNS.

MESSAGE NO. 1	MESSAGE NO. 2
TO DDCC OLD GSO ROAD	NEXT LEFT
CHANGEABLE MESSAGE SIGN	

R2-1 36" X 48" **SPEED LIMIT 55**

WORK ZONE INSTALLED IN PHASE I

W3-5 48" X 48" **SPEED LIMIT 45**

R2-1 36" X 48" **SPEED LIMIT 45**

**SPEED LIMIT 55**

TEMPORARY PAVEMENT MARKING	
PAVEMENT MARKING LINES:	
Z4	WZ PERFORMANCE PM WHITE 3 FT / 9 FT MINISKIP (4")
Z11	WZ PERFORMANCE PM YELLOW SOLID LINE (4")
PAVEMENT MARKING SYMBOLS AND CHARACTERS:	
Z79	WORK ZONE PERFORMANCE PM MERGE ARROW

MESSAGE NO. 1	MESSAGE NO. 2
NEW CLOSER ACCESS	FOR DDCC OLD GSO ROAD
CHANGEABLE MESSAGE SIGN	

END OF EXISTING GUARDRAIL APPROXIMATELY 900 FT NORTHEAST OF SR 2004 (COMMERCIAL BLVD) / SR 2004 (MOOSE LODGE RD) INTERSECTION

I3-JUL-2021 10:37  
 P:\5006407\CAAD\CIVIL\N5737\TrafficControl\Plans\Alternative\N5737\_TCP\_12.dgn  
 AT PCQUAT3U  
 abeshears

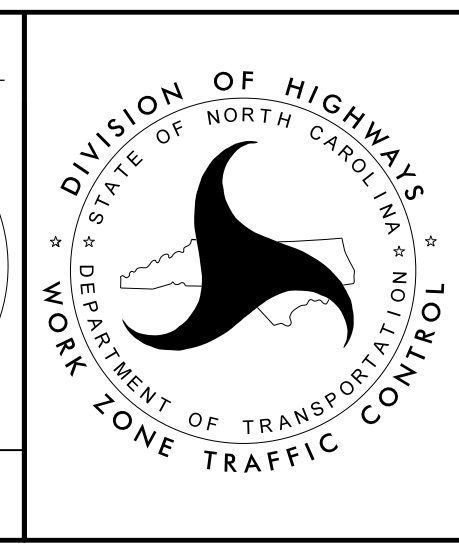
**Dewberry**  
 2610 WYCLIFF ROAD  
 SUITE 410  
 RALEIGH, NC 27607  
 PHONE: 919.881.9939  
 NC COA No. F-0929

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

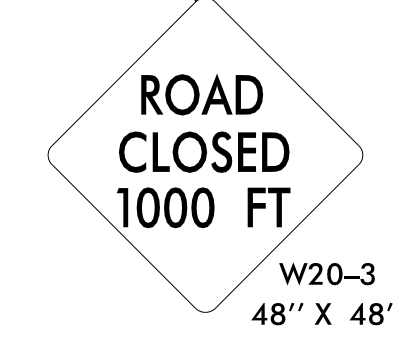
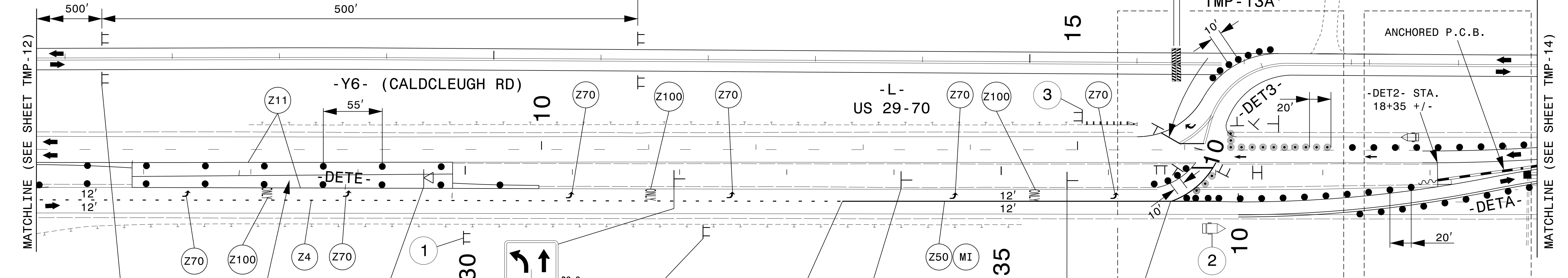
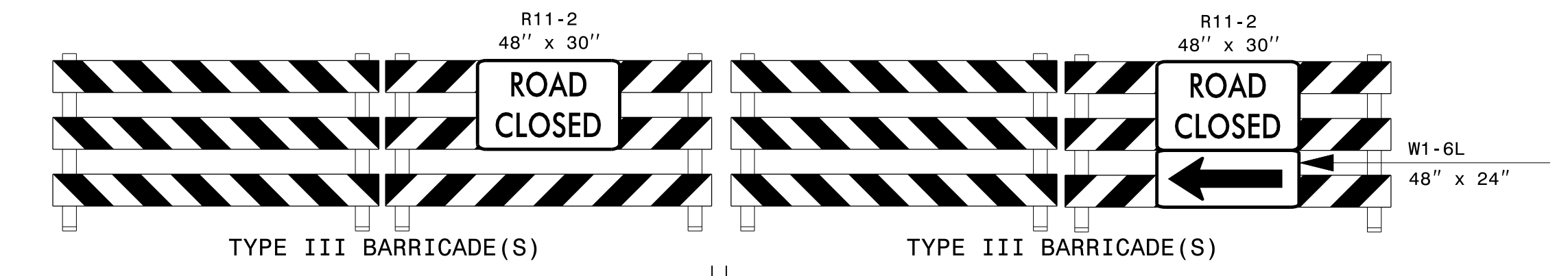
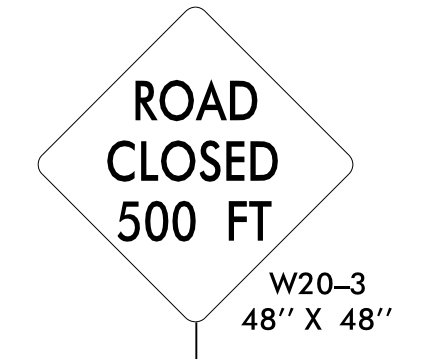
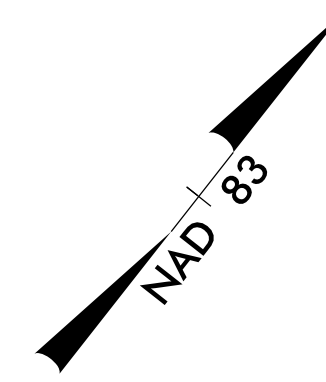
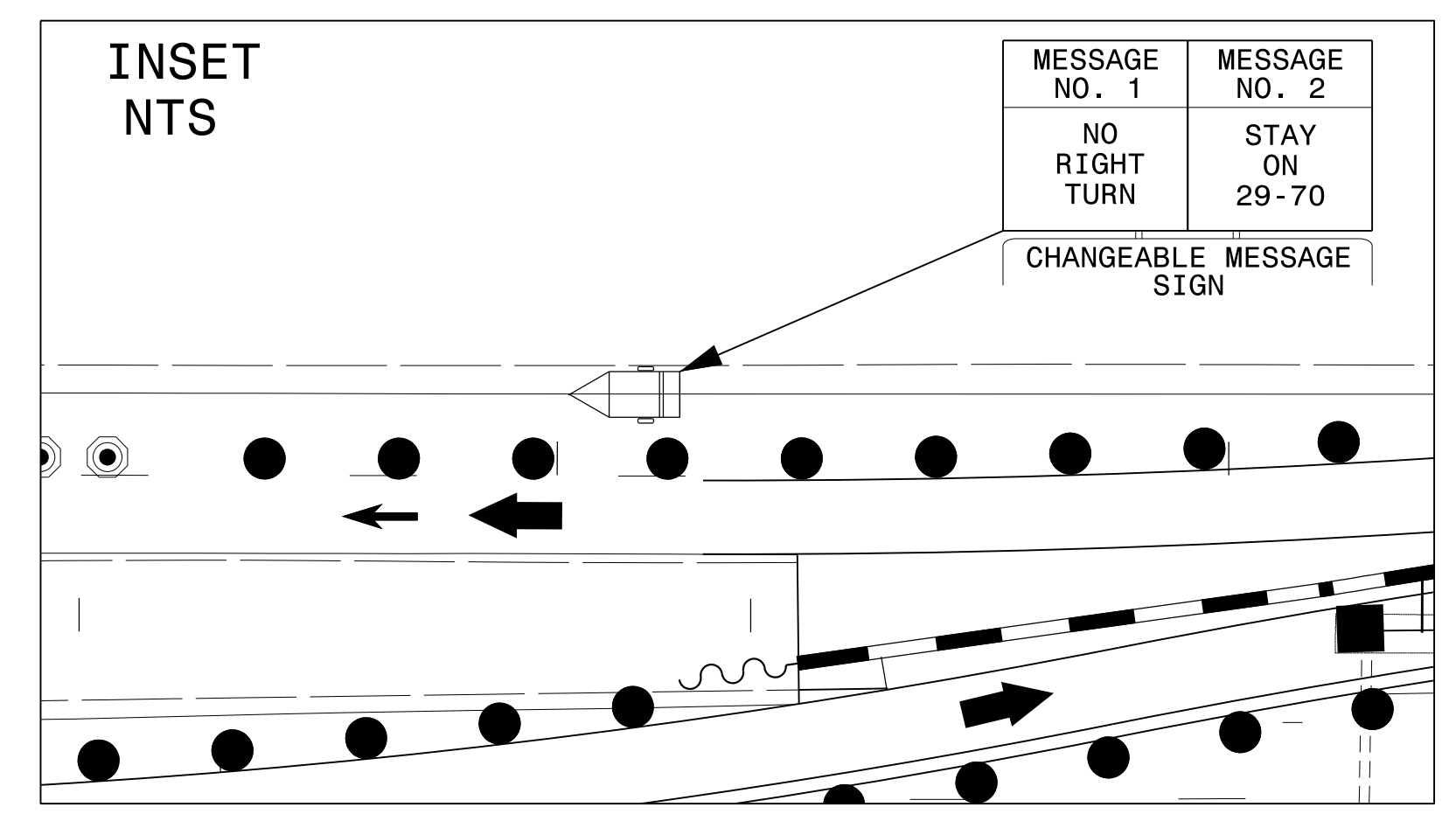
SEAL

**NORTH CAROLINA PROFESSIONAL ENGINEER**  
 SEAL 17586  
 J. TODD BROOKS

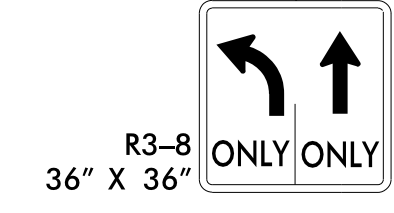
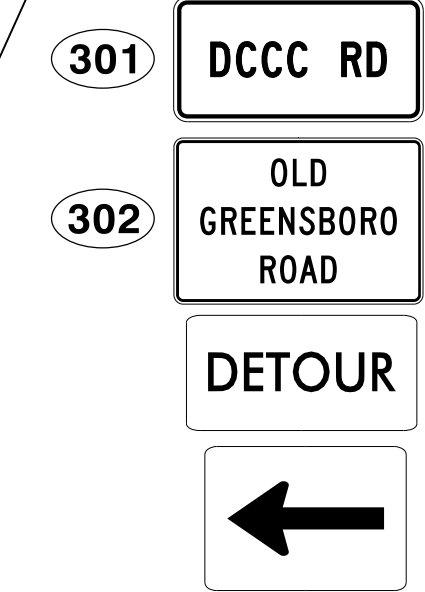
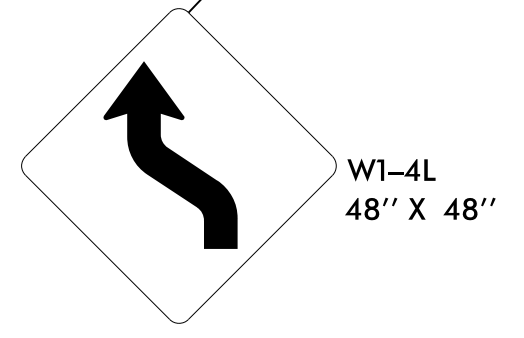
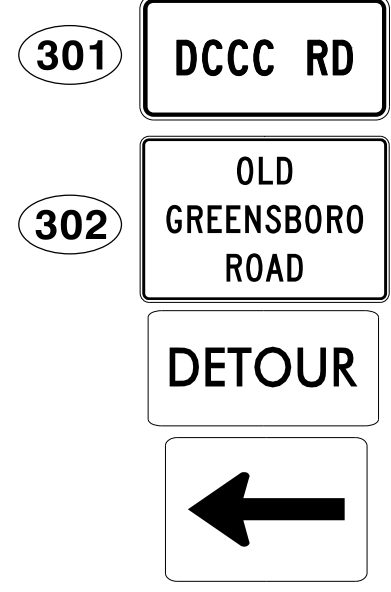
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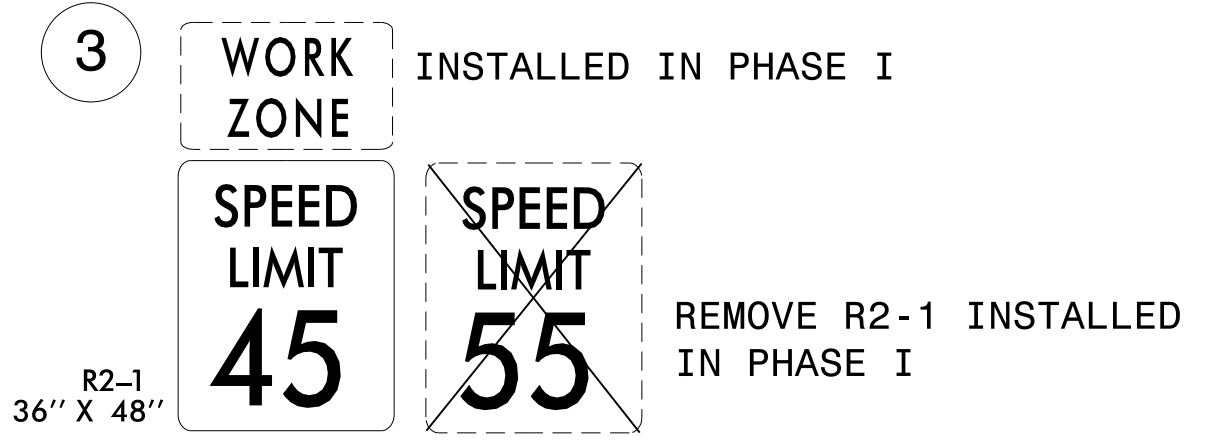
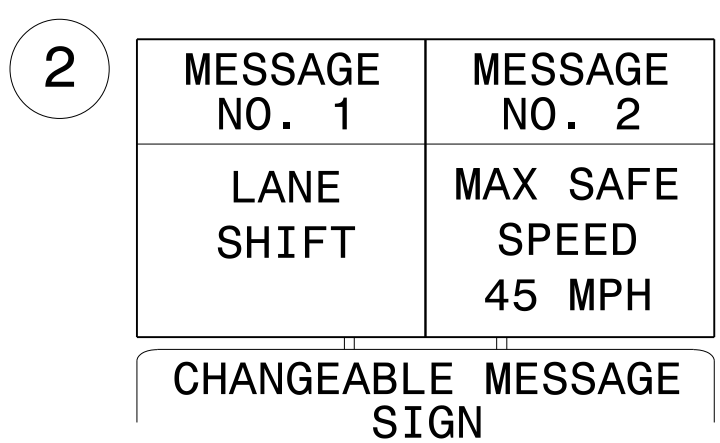
**PHASE II DETAIL**



PREVIOUS MEDIAN CONSTRUCTION



TEMPORARY PAVEMENT MARKING	
PAVEMENT MARKING LINES:	
Z2	WZ PERFORMANCE PM WHITE SOLID LINE (4")
Z4	WZ PERFORMANCE PM WHITE 3 FT / 9 FT MINISKIP (4")
Z11	WZ PERFORMANCE PM YELLOW SOLID LINE (4")
Z50	WZ PERFORMANCE PM WHITE GORELINE (12")
PAVEMENT MARKING SYMBOLS AND CHARACTERS:	
Z70	WZ PERFORMANCE PM LEFT TURN ARROW
Z100	WZ PERFORMANCE PM ALPHANUMERIC CHARACTERS "ONLY"
PAVEMENT MARKERS:	
MI	CRYSTAL / RED TEMPORARY RAISED



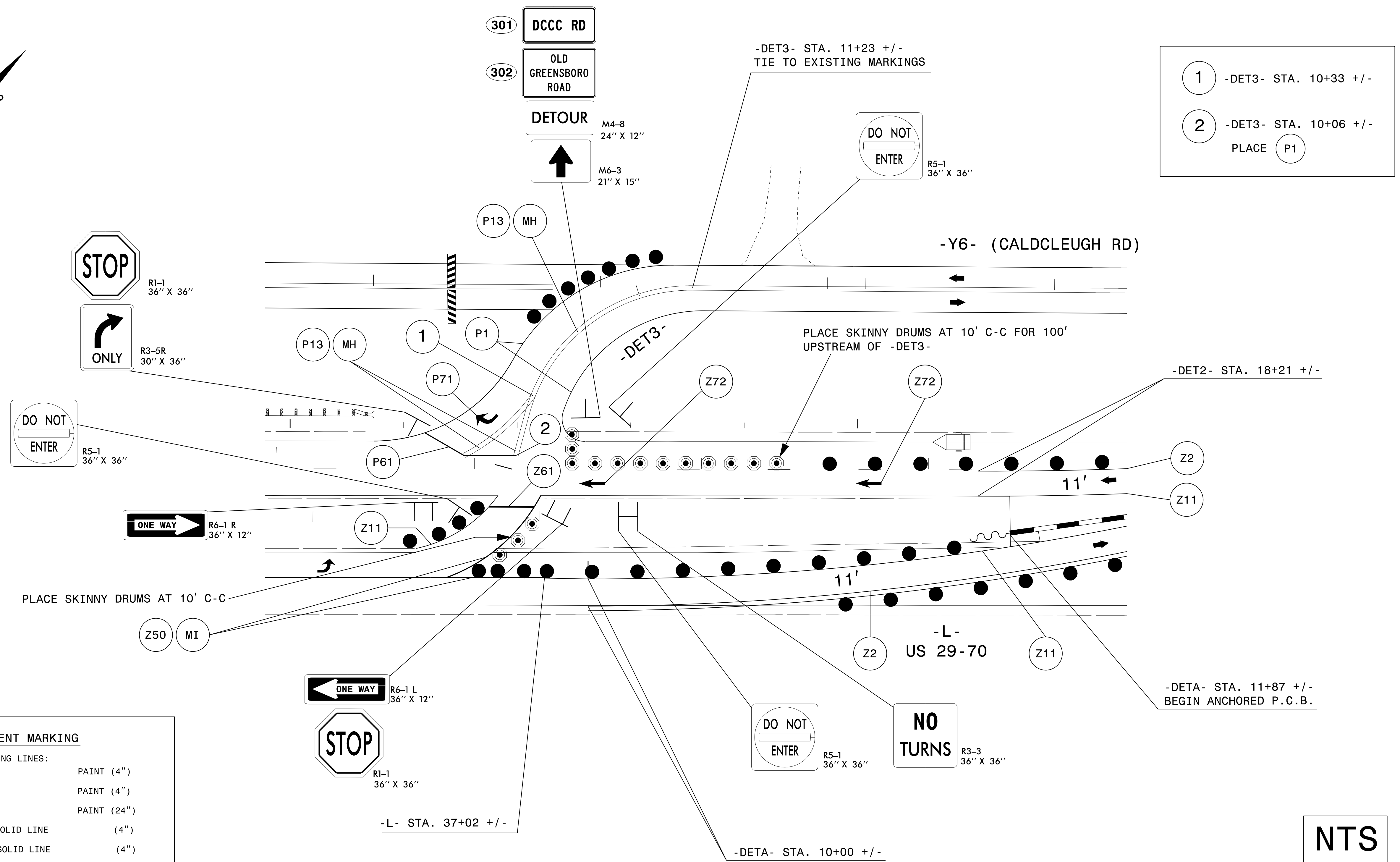
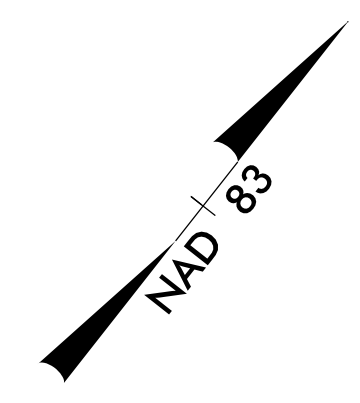
04-AUG-2021 08:41 P:\50054077\CAD\CIVIL\N5737\TrafficControl\CP\Plans\Alternative\N5737\_TCP\_13.dgn AT\_PF2JAC4N mlshok



APPROVED: \_\_\_\_\_ DATE: \_\_\_\_\_ SEAL

**PHASE II DETAIL**

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- 1 -DET3- STA. 10+33 +/-
- 2 -DET3- STA. 10+06 +/-  
PLACE P1

TEMPORARY PAVEMENT MARKING		
PAVEMENT MARKING LINES:		
P1	WHITE EDGELINE	PAINT (4")
P13	YELLOW DOUBLE CENTER	PAINT (4")
P61	WHITE STOP BAR	PAINT (24")
Z2	WZ PERFORMANCE PM WHITE SOLID LINE	(4")
Z11	WZ PERFORMANCE PM YELLOW SOLID LINE	(4")
Z50	WZ PERFORMANCE PM WHITE GORELINE	(12")
Z61	WZ PERFORMANCE PM WHITE GORELINE	(24")
PAVEMENT MARKING SYMBOLS AND CHARACTERS:		
P71	RIGHT TURN ARROW	PAINT
Z72	WZ PERFORMANCE PM STRAIGHT ARROW	
PAVEMENT MARKERS:		
MI	CRYSTAL / RED	TEMPORARY RAISED
MH	YELLOW / YELLOW	TEMPORARY RAISED

NTS

invalid expression  
 \\N5737-TCP-13A.dgn  
 USER: mlshak

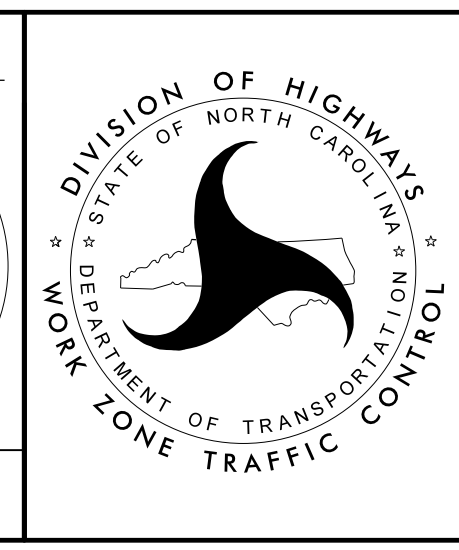


2610 WYCLIFF ROAD  
 SUITE 410  
 RALEIGH, NC 27607  
 PHONE: 919.881.9939  
 NC COA No. F-0929

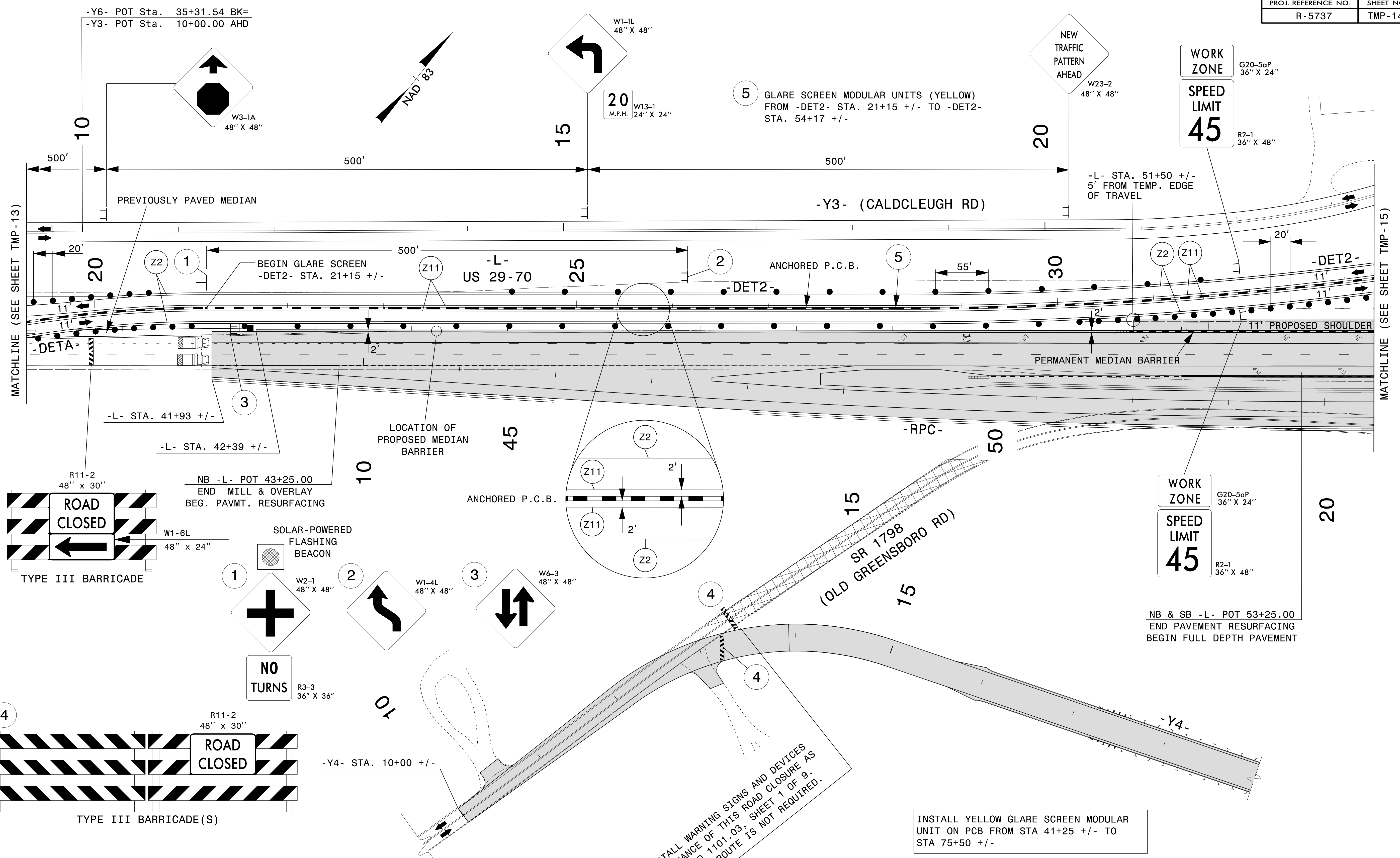
APPROVED: \_\_\_\_\_  
 DATE: \_\_\_\_\_

SEAL

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



**PHASE II DETAIL**



TEMPORARY PAVEMENT MARKING		
PAVEMENT MARKING LINES:		
Z2	WZ PERFORMANCE PM WHITE SOLID LINE	(4")
Z11	WZ PERFORMANCE PM YELLOW SOLID LINE	(4")

INSTALL WARNING SIGNS AND DEVICES IN ADVANCE OF THIS ROAD CLOSURE AS PER RSD 1101.03, SHEET 1 OF 9. A DETOUR ROUTE IS NOT REQUIRED.

INSTALL YELLOW GLARE SCREEN MODULAR UNIT ON PCB FROM STA 41+25 +/- TO STA 75+50 +/-

03-AUG-2021 16:08 P:\50054071\CAD\CIVIL\5737\TrafficControl\Plans\Alternative\5737\_TCP\_14.dgn AT: PF2JAC4N

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 2610 WYCLIFF ROAD  
 SUITE 410  
 RALEIGH, NC 27607  
 PHONE: 919.881.9939  
 NC COA No. F-0929

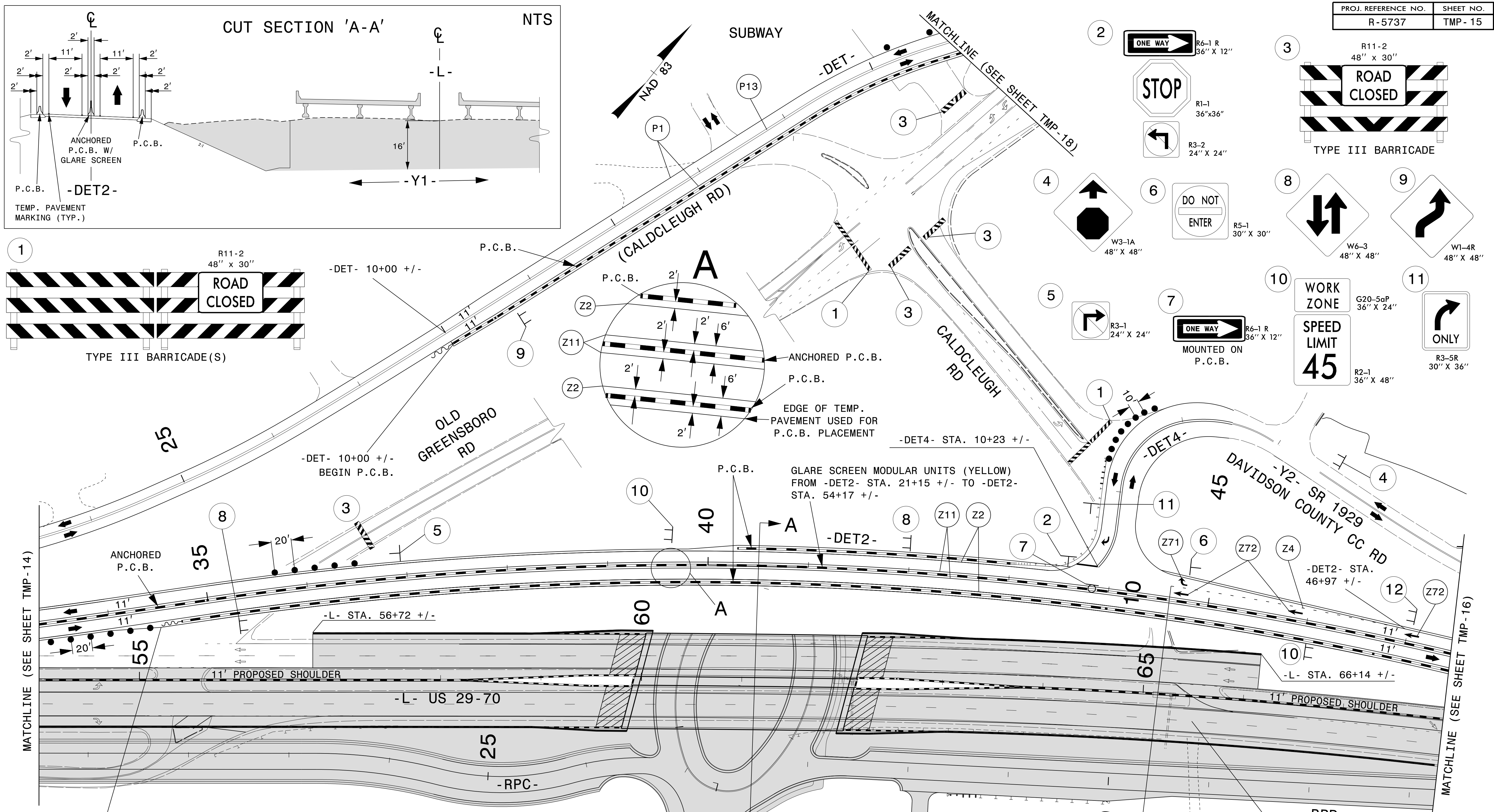
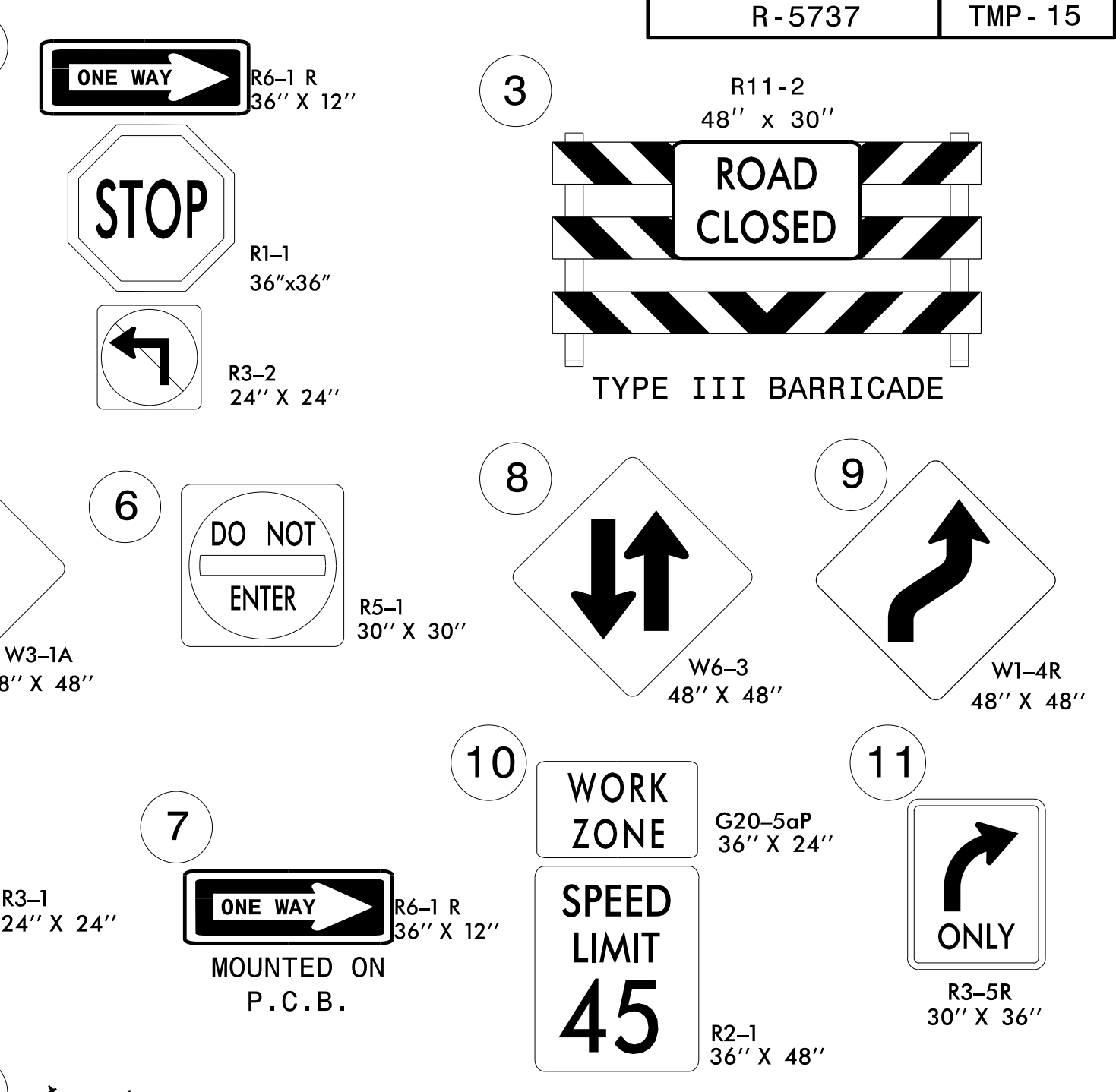
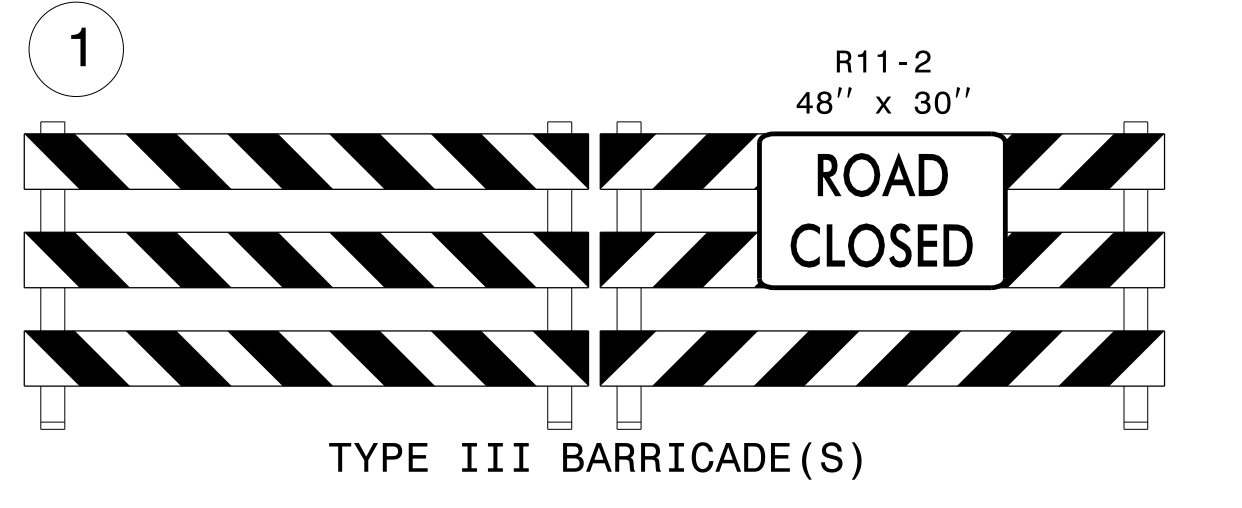
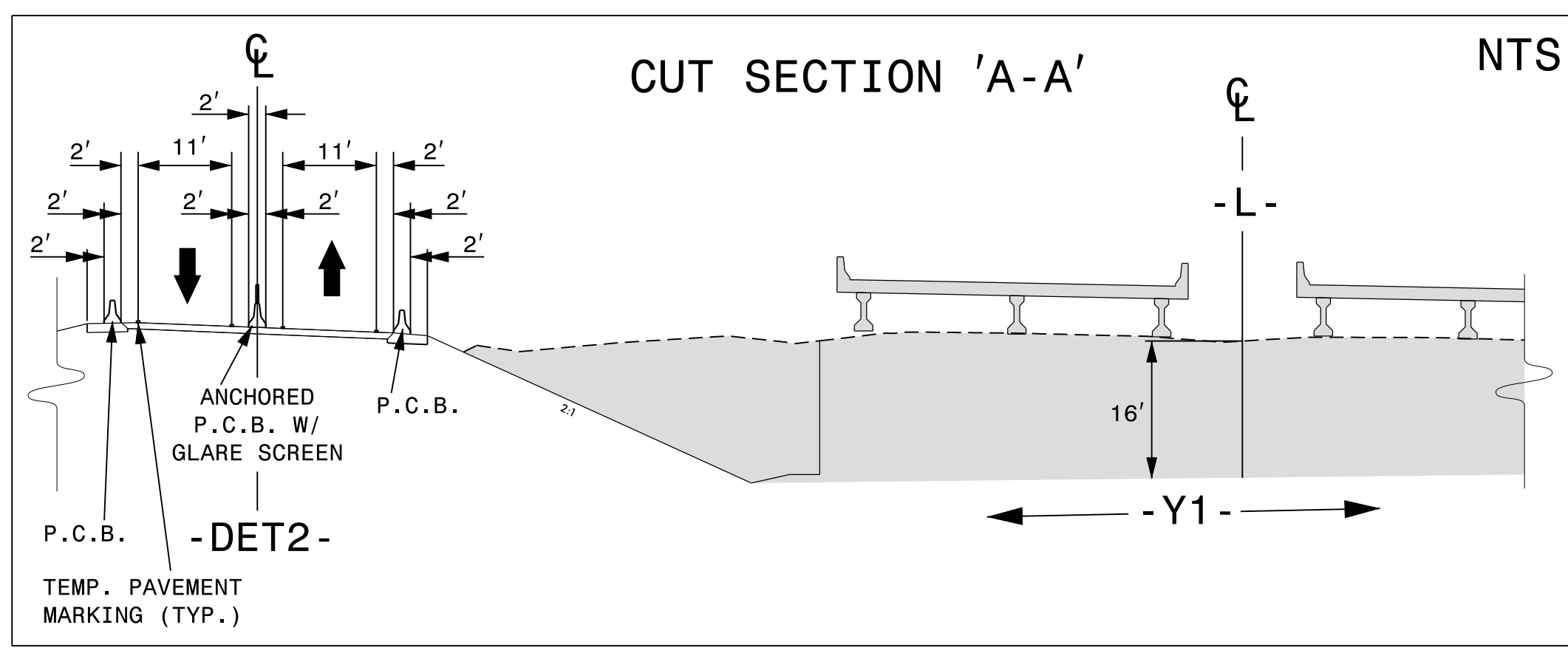
APPROVED: \_\_\_\_\_  
 DATE: \_\_\_\_\_

SEAL

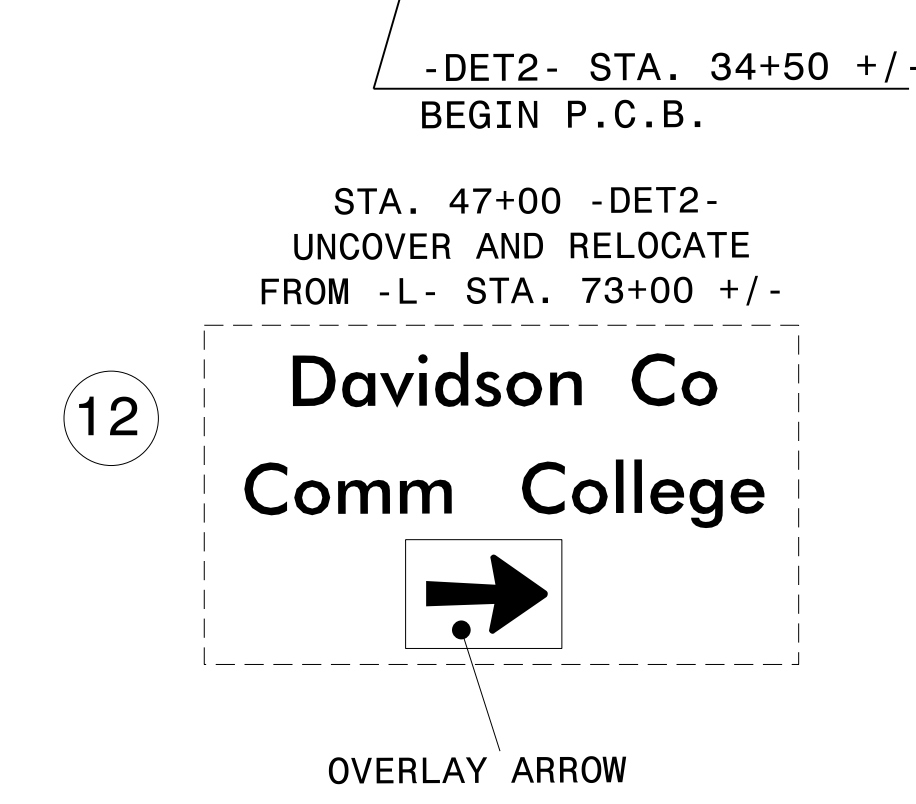
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**PHASE II DETAIL**





03-AUG-2021 16:09 P:\5006407\CAD\CIVIL\5737\TrafficControl\Plans\Alternative\5737\_TCP\_15.dgn AT: PF2JAC4N mlshok



TEMPORARY PAVEMENT MARKING		
PAVEMENT MARKING LINES:		
(P1)	SOLID WHITE EDGELINE	PAINT (4")
(P13)	YELLOW DOUBLE CENTER	PAINT (4")
(Z2)	WZ PERFORMANCE PM WHITE SOLID LINE	(4")
(Z4)	WZ PERFORMANCE PM WHITE 3 FT / 9 FT MINISKIP	(4")
(Z11)	WZ PERFORMANCE PM YELLOW SOLID LINE	(4")
PAVEMENT MARKING SYMBOLS AND CHARACTERS:		
(Z71)	WZ PERFORMANCE RIGHT TURN ARROW	
(Z72)	WZ PERFORMANCE PM STRAIGHT ARROW	

UNLESS OTHERWISE NOTED, -DET4- MARKINGS WERE PLACED IN PHASE I

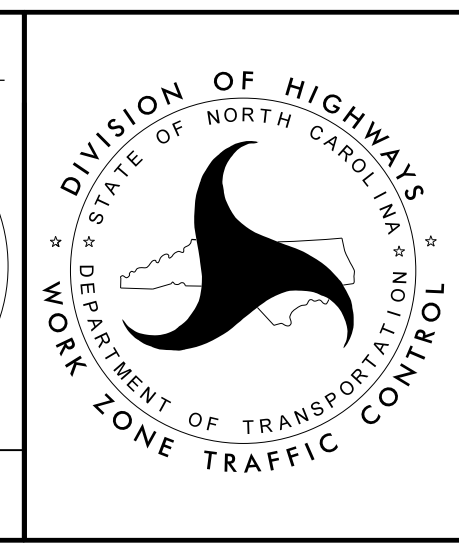


2610 WYCLIFF ROAD  
SUITE 410  
RALEIGH, NC 27607  
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NC COA No. F-0929

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

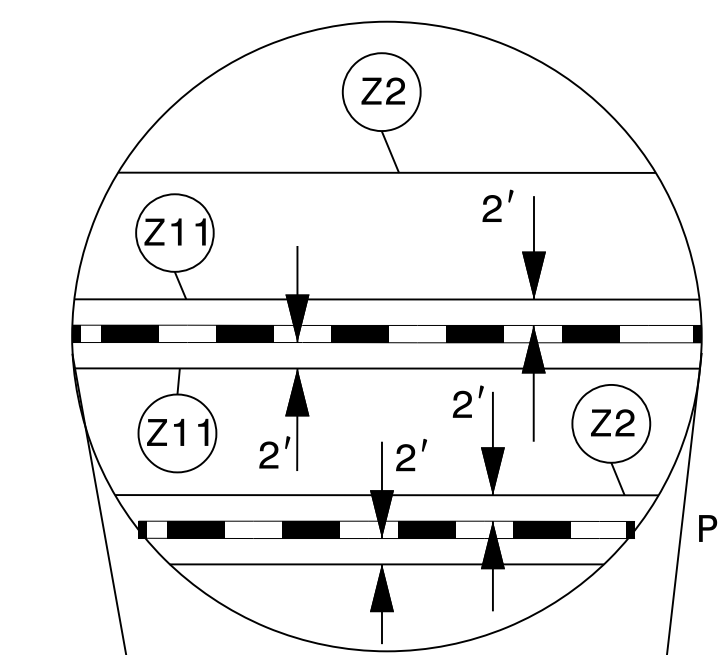
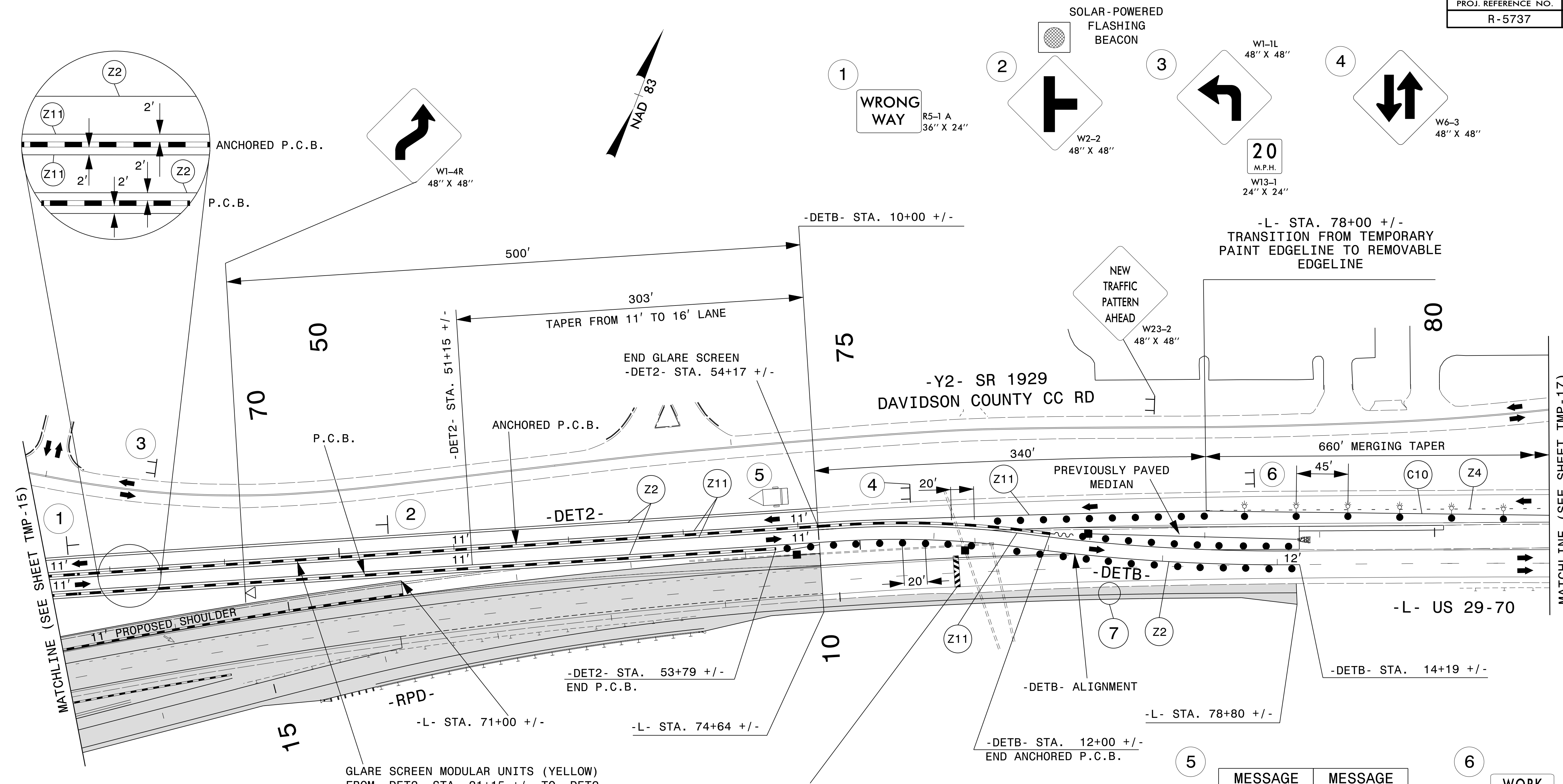
SEAL

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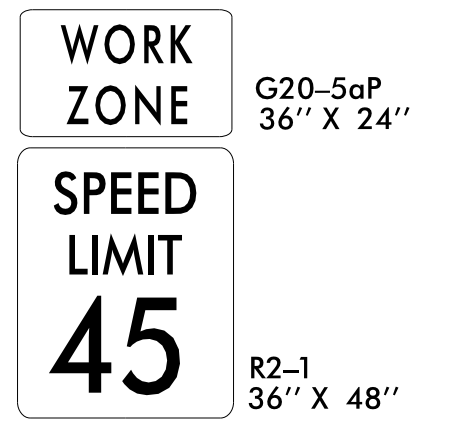
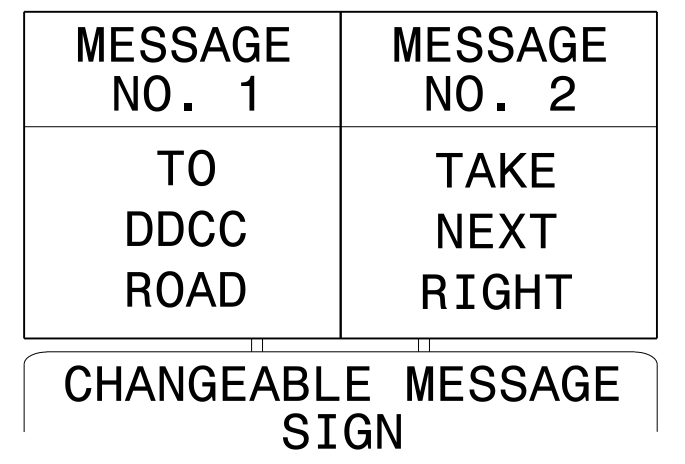
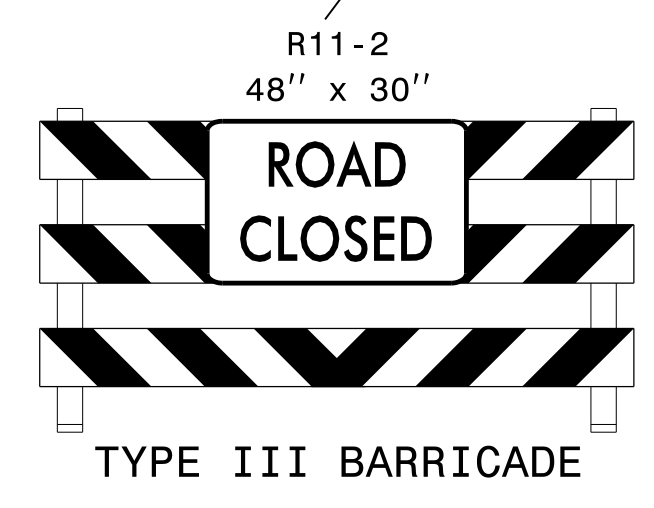


**PHASE II DETAIL**

NB & SB -L- POC 65+50.00  
END FULL DEPTH PAVEMENT  
BEGIN PAVEMENT RESURFACING



TEMPORARY PAVEMENT MARKING	
PAVEMENT MARKING LINES:	
(C10) SOLID YELLOW EDGELINE	TYPE 4 REMOVABLE TAPE (4")
(Z2) WZ PERFORMANCE PM WHITE SOLID LINE	(4")
(Z4) WZ PERFORMANCE PM WHITE 3 FT / 9 FT MINISKIP	(4")
(Z11) WZ PERFORMANCE PM YELLOW SOLID LINE	(4")

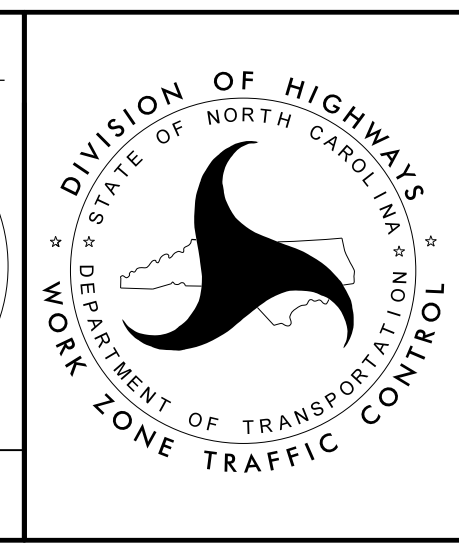


7 FROM -L- STA. 74+64 +/- TO -L- STA. 78+80 +/-, CONSTRUCT FROM THE EXISTING EOP TO THE EDGE OF THE PROPOSED SHOULDER.

03-AUG-2021 16:09 P:\5005407\CAD\CIVIL\5737\TrafficControl\CP\Plans\Alternative\5737\_TCP\_ICP\_16.dgn AT PF2JAC4N mlshok

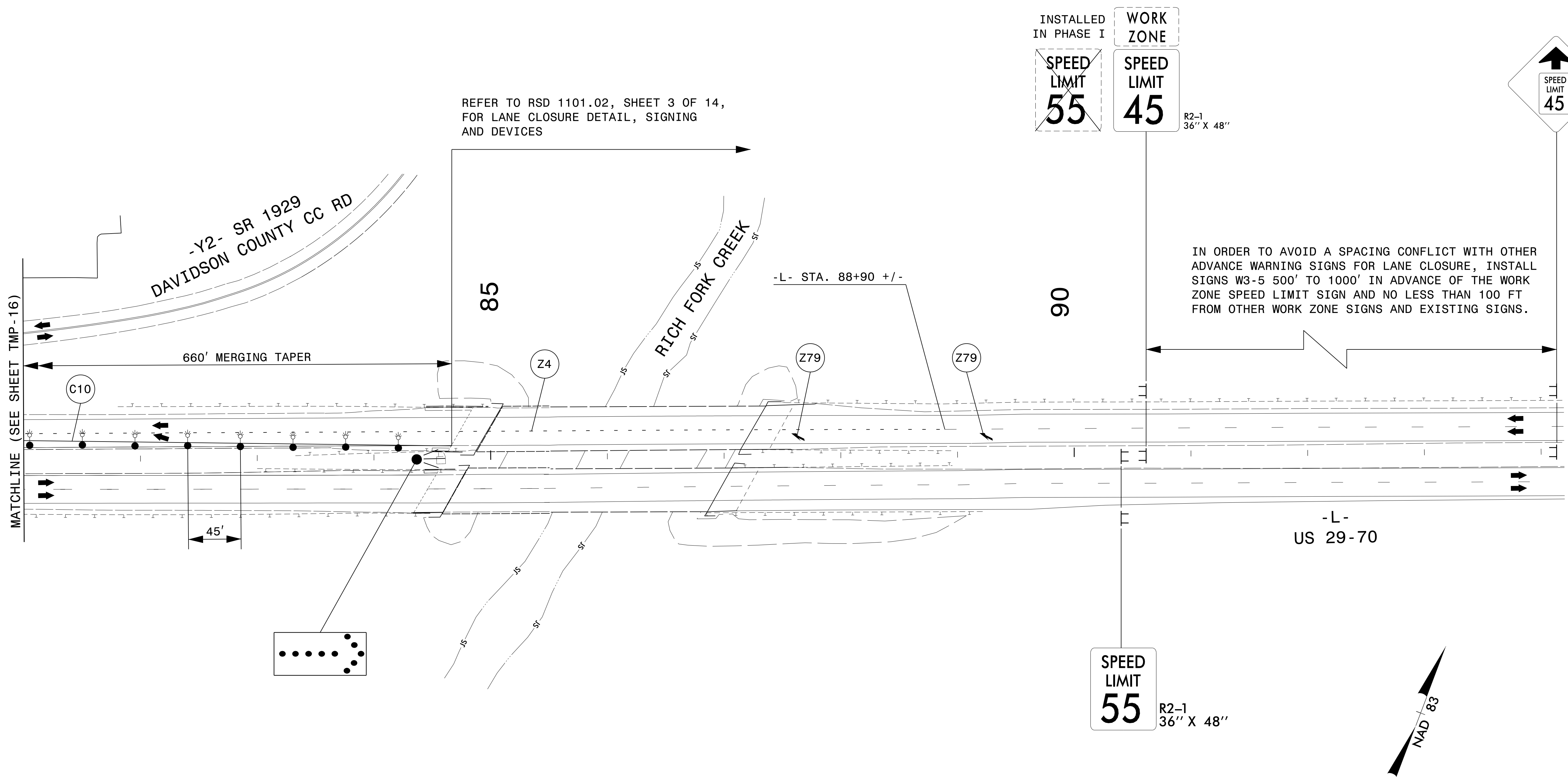
**Dewberry**  
2610 WYCLIFF ROAD  
SUITE 410  
RALEIGH, NC 27607  
PHONE: 919.881.9939  
NC COA No. F-0929

APPROVED: \_\_\_\_\_  
DATE: \_\_\_\_\_  
SEAL  
NORTH CAROLINA PROFESSIONAL ENGINEER  
J. TODD BROOKS  
SEAL 17586



**PHASE II DETAIL**

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REFER TO RSD 1101.02, SHEET 3 OF 14,  
FOR LANE CLOSURE DETAIL, SIGNING  
AND DEVICES

INSTALLED  
IN PHASE I

~~SPEED  
LIMIT  
55~~

WORK  
ZONE

SPEED  
LIMIT  
45

R2-1  
36" X 48"

IN ORDER TO AVOID A SPACING CONFLICT WITH OTHER  
ADVANCE WARNING SIGNS FOR LANE CLOSURE, INSTALL  
SIGNS W3-5 500' TO 1000' IN ADVANCE OF THE WORK  
ZONE SPEED LIMIT SIGN AND NO LESS THAN 100 FT  
FROM OTHER WORK ZONE SIGNS AND EXISTING SIGNS.

SPEED  
LIMIT  
55

R2-1  
36" X 48"

SPEED  
LIMIT  
45

W3-5  
48" X 48"

MATCHLINE (SEE SHEET TMP-16)

660' MERGING TAPER

45'

85

-L- STA. 88+90 +/-

90

-L-  
US 29-70

NAD 83

**TEMPORARY PAVEMENT MARKING**

PAVEMENT MARKING LINES:

- C10 SOLID YELLOW EDGELINE TYPE 4 REMOVABLE TAPE (4")
- Z4 WZ PERFORMANCE PM WHITE 3 FT / 9 FT MINISKIP (4")

PAVEMENT MARKING SYMBOLS AND CHARACTERS:

- Z79 WZ PERFORMANCE PM MERGE ARROW

03-AUG-2021 16:10  
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 AT PF2JAC4N  
 mlshok



2610 WYCLIFF ROAD  
SUITE 410  
RALEIGH, NC 27607  
PHONE: 919.881.9939  
NC COA No. F-0929

APPROVED: \_\_\_\_\_

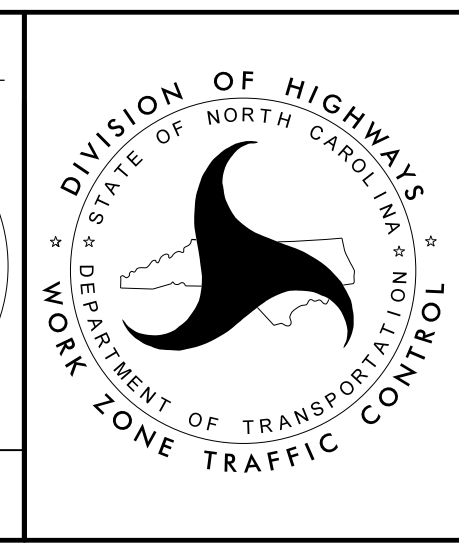
DATE: \_\_\_\_\_

SEAL

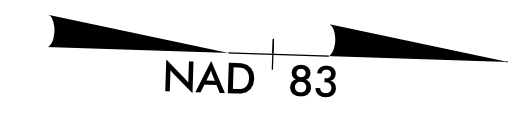
**SEAL**

NORTH CAROLINA  
PROFESSIONAL  
ENGINEER  
J. TODD BROOKS  
17586

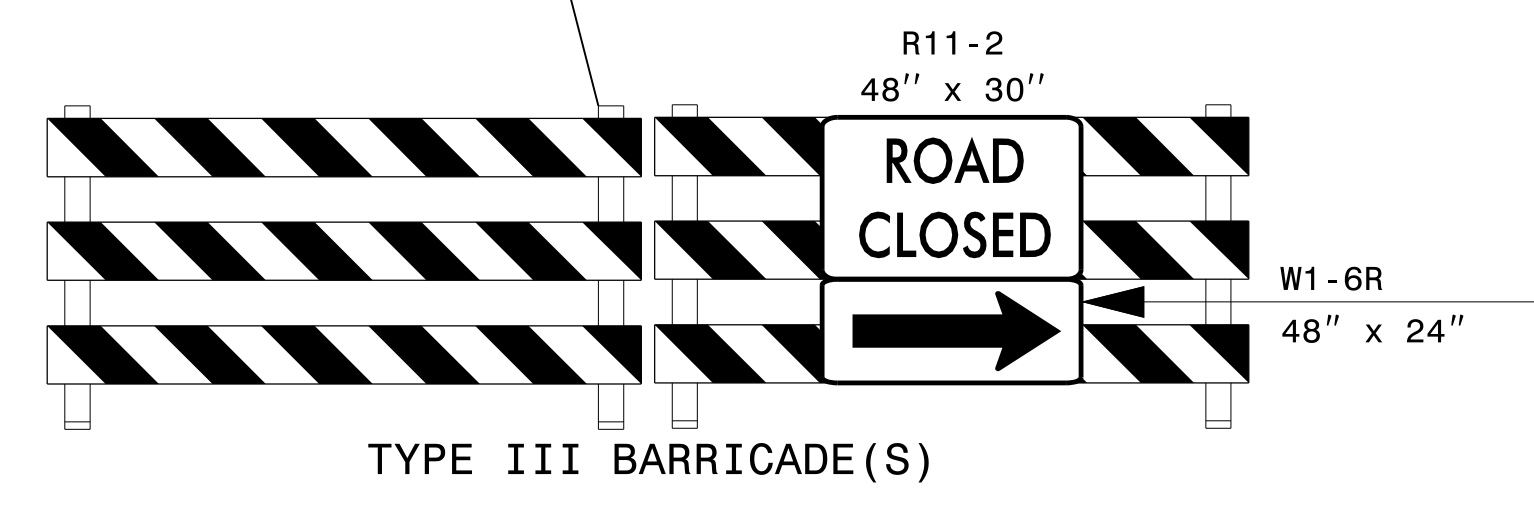
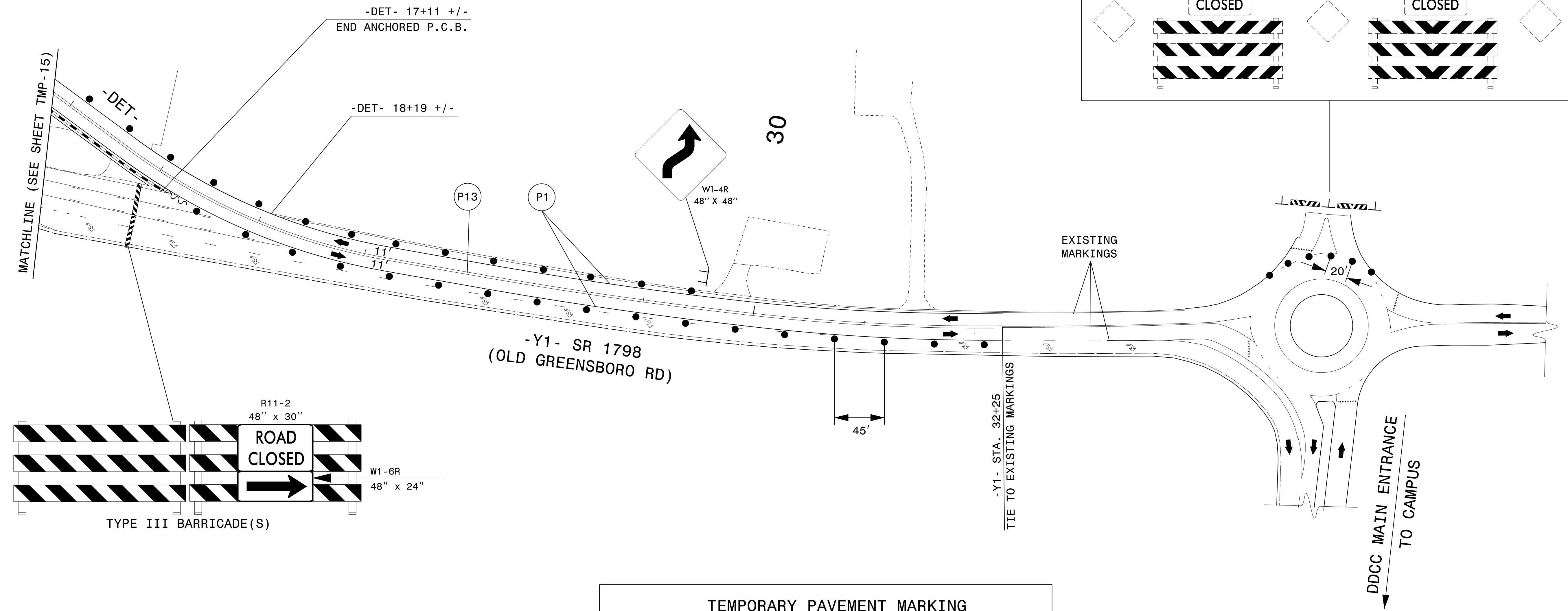
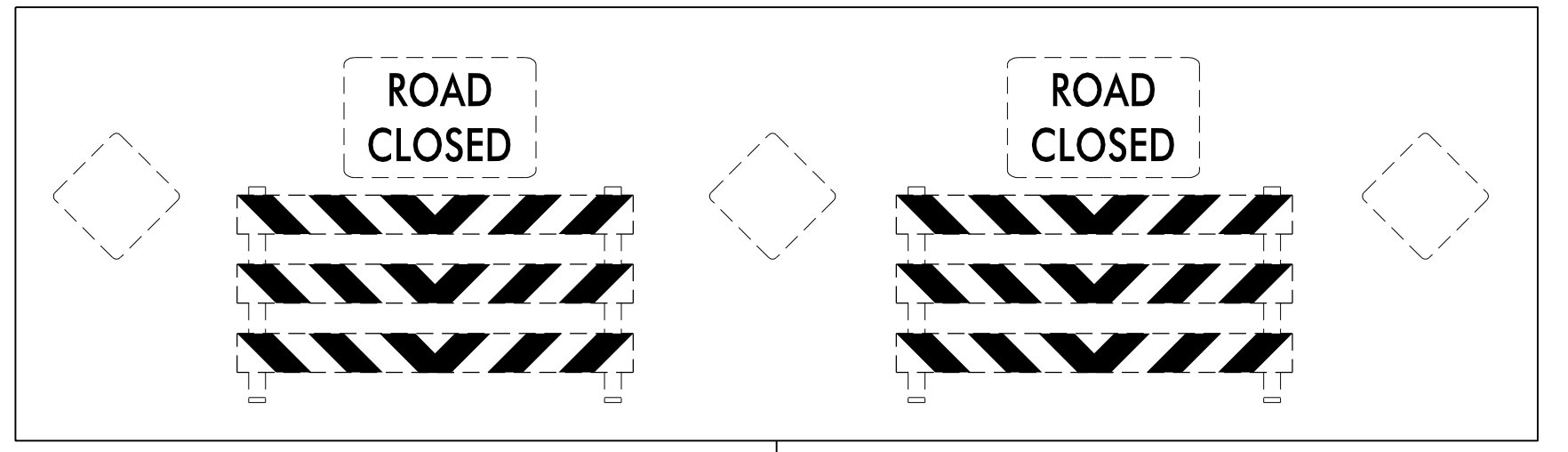
DOCUMENT NOT CONSIDERED FINAL  
UNLESS ALL SIGNATURES COMPLETED



**PHASE II DETAIL**



RETAIN EXISTING BARRICADES AND END-OF-ROAD SIGNS



TEMPORARY PAVEMENT MARKING		
PAVEMENT MARKING LINES:		
P1	SOLID WHITE EDGELINE	PAINT (4")
P13	YELLOW DOUBLE CENTER	PAINT (4")

I3-JUL-2021 10:37  
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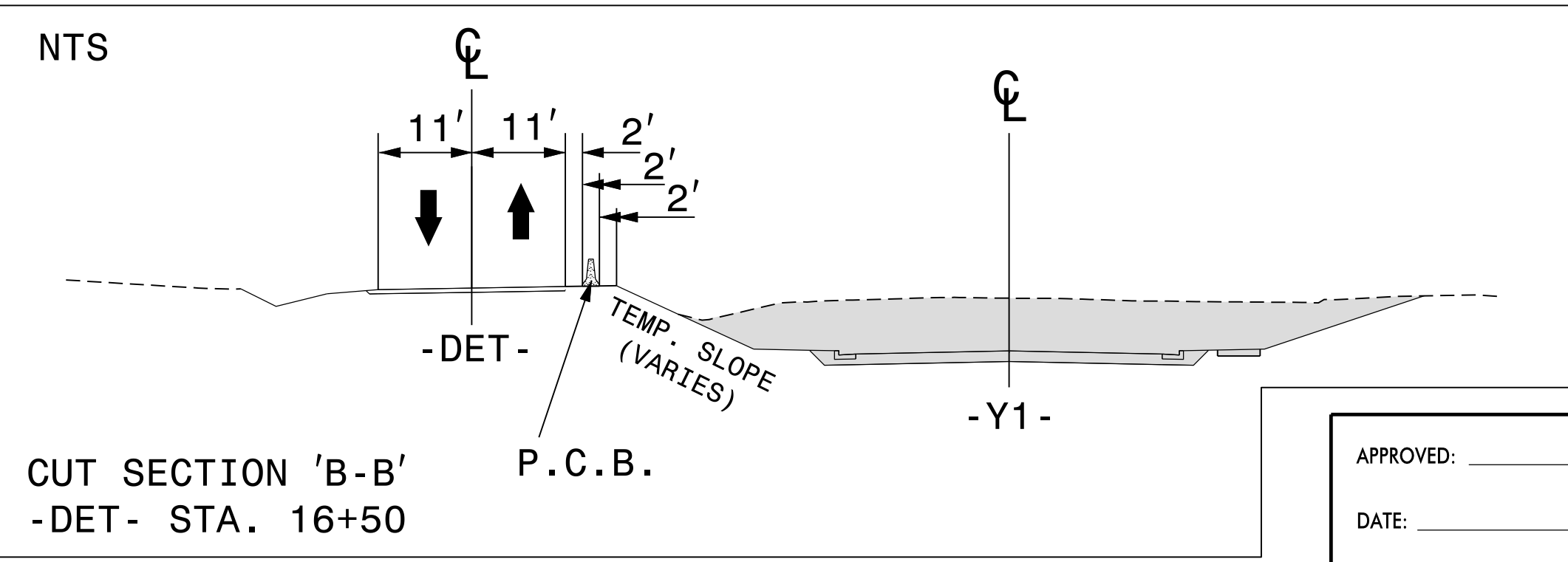
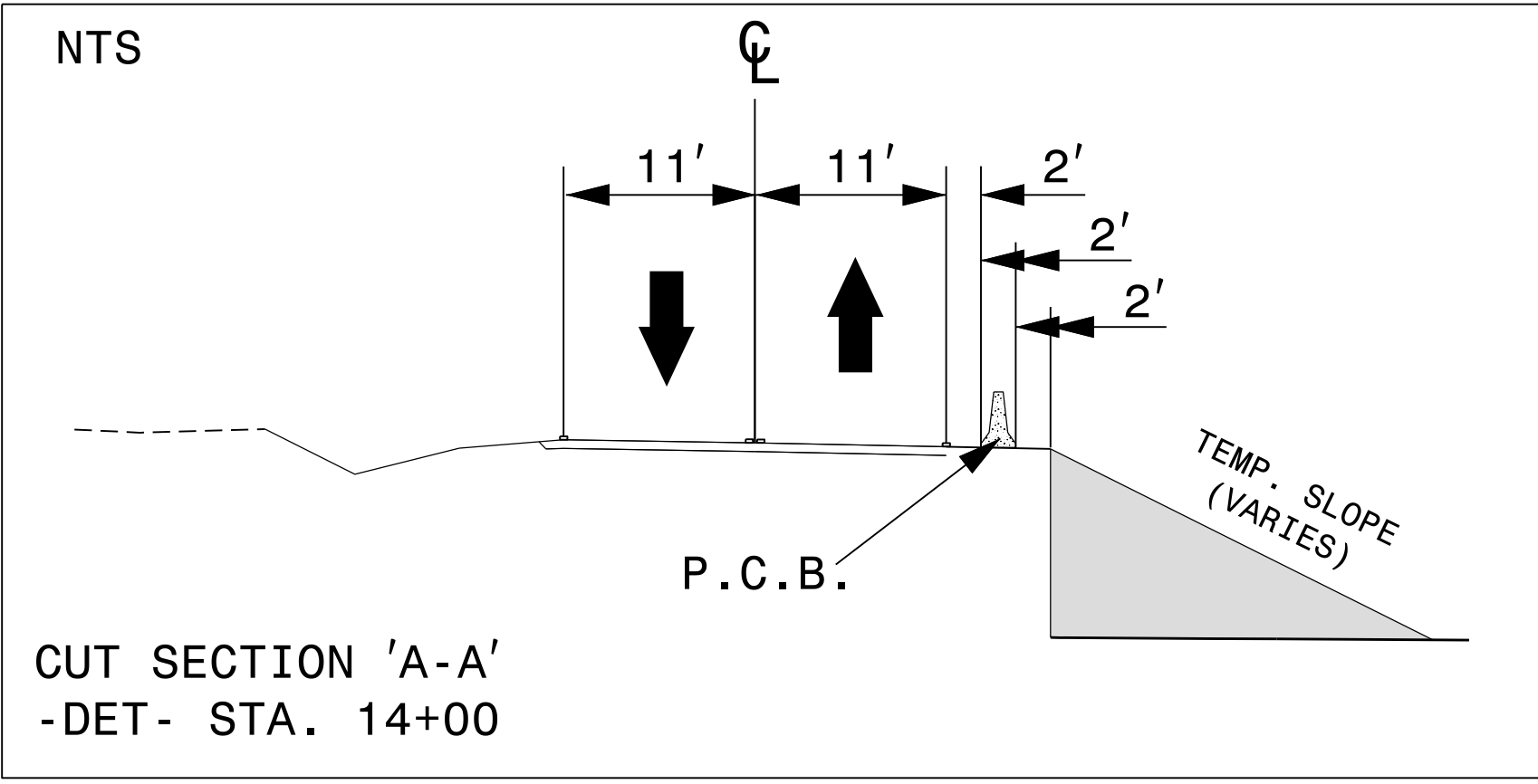
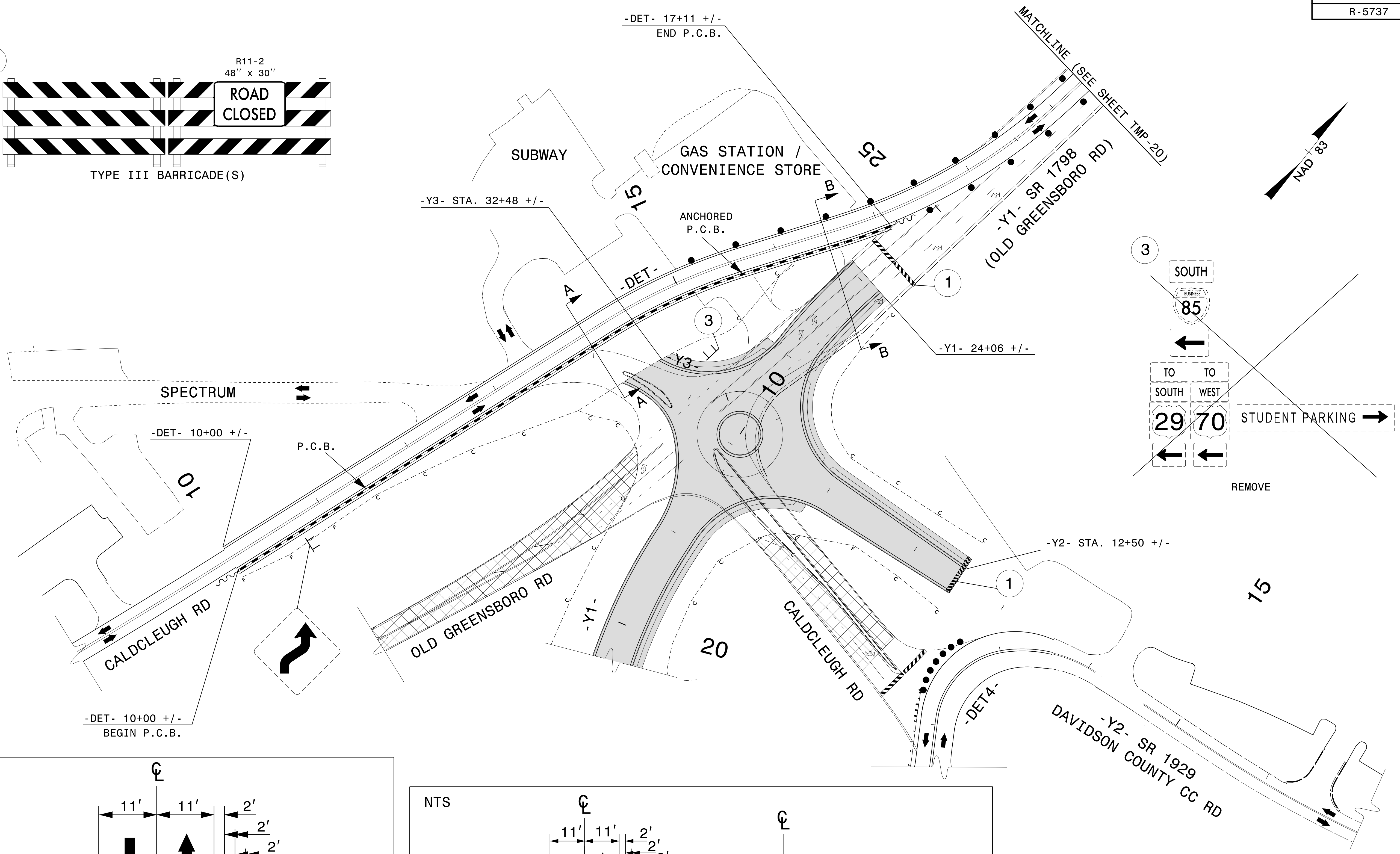
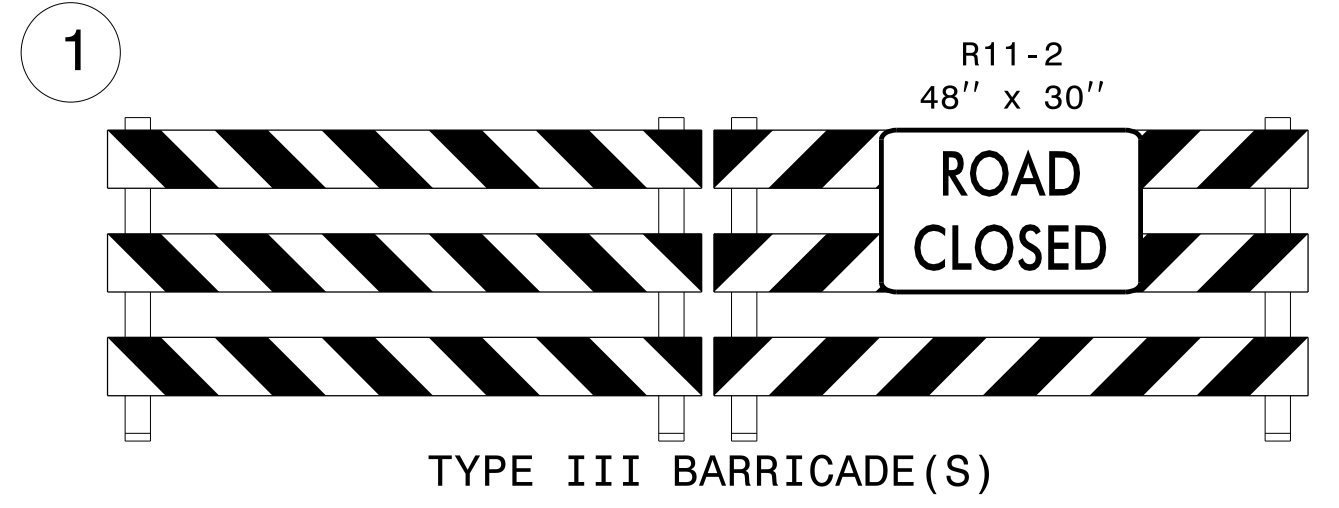
2610 WYCLIFF ROAD  
 SUITE 410  
 RALEIGH, NC 27607  
 PHONE: 919.881.9939  
 NC COA No. F-0929

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

SEAL

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

**PHASE II DETAIL**



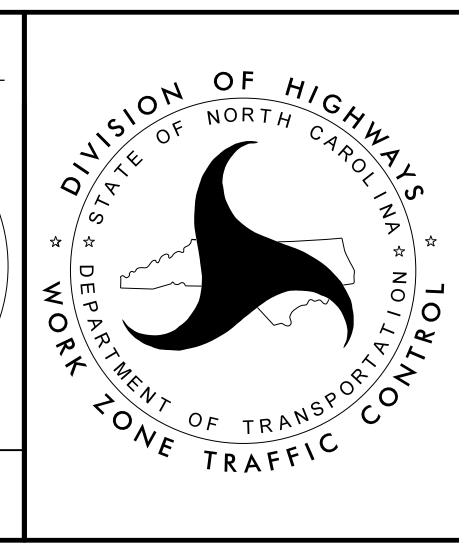
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DATE: \_\_\_\_\_

SEAL

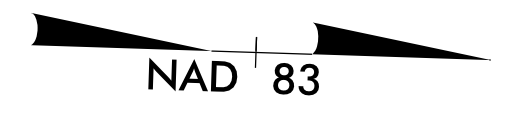
2610 WYCLIFF ROAD  
SUITE 410  
RALEIGH, NC 27607  
PHONE: 919.881.9939  
NC COA No. F-0929

DOCUMENT NOT CONSIDERED FINAL  
UNLESS ALL SIGNATURES COMPLETED

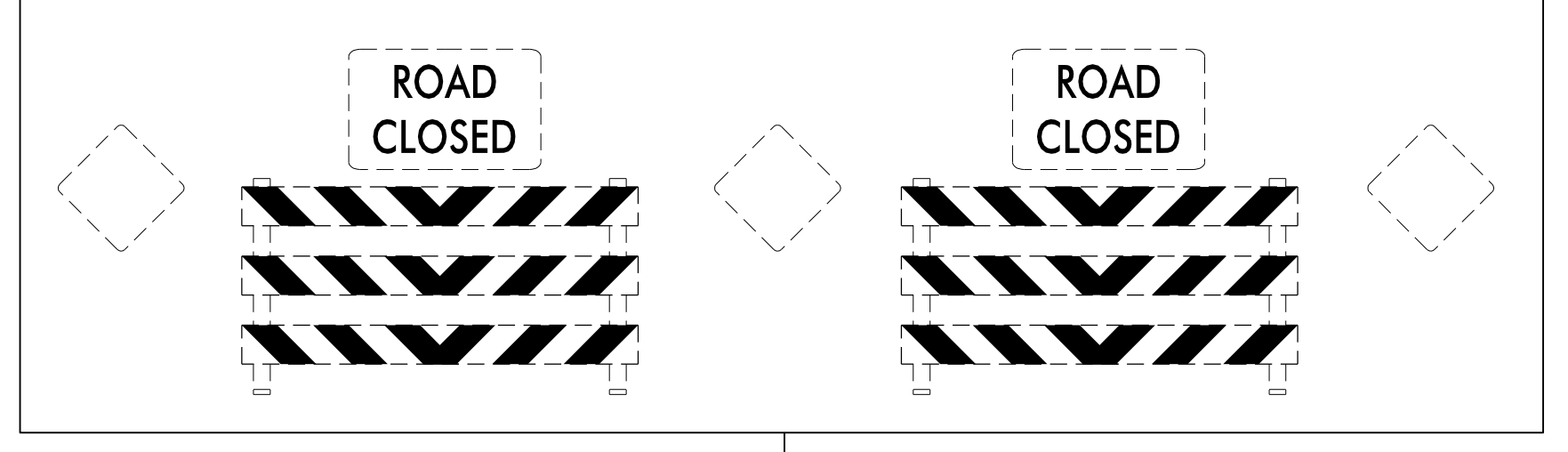


PHASE II DETAIL

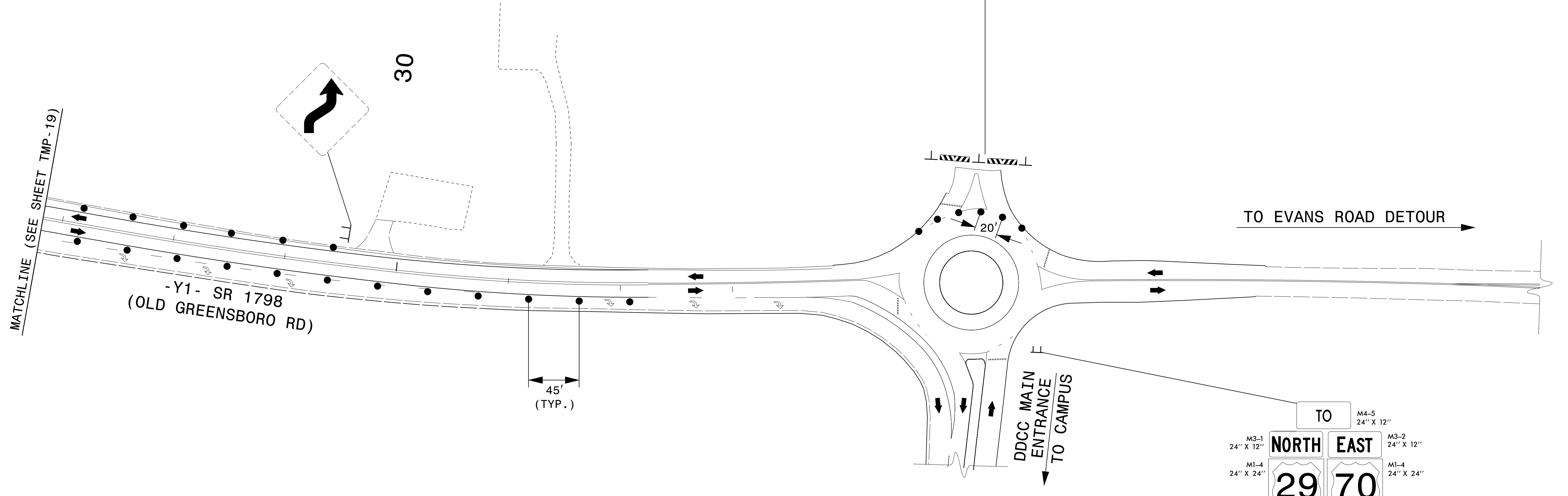
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 AT\_PCOUAT3J  
 abeshears



RETAIN EXISTING BARRICADES AND END-OF-ROAD SIGNS



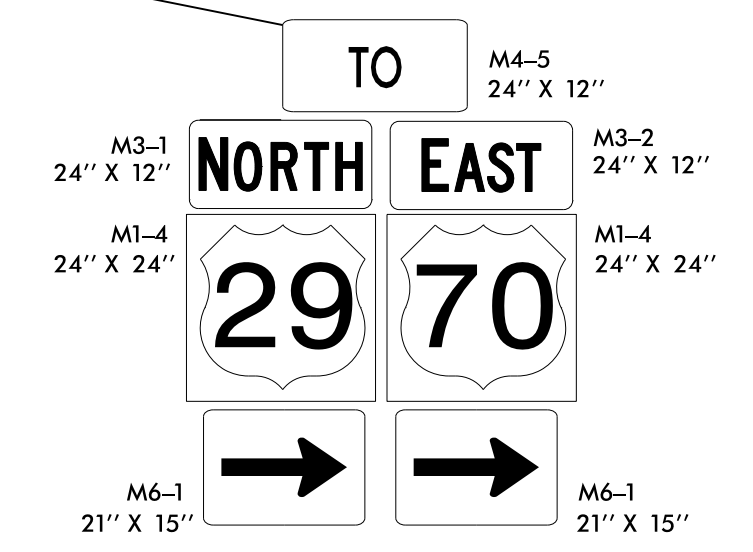
MATCHLINE (SEE SHEET TMP-19)



-Y1- SR 1798  
(OLD GREENSBORO RD)

TO EVANS ROAD DETOUR

DDCC MAIN  
ENTRANCE  
TO CAMPUS



SEE SHEET TMP-22 FOR  
DETOUR ROUTE  
AND SIGNING

I3-JUL-2021 10:37  
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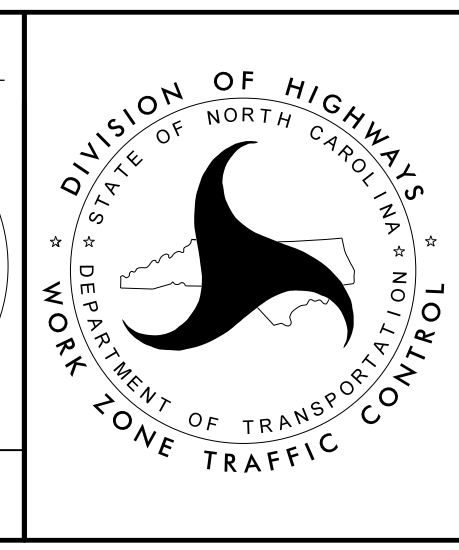


2610 WYCLIFF ROAD  
SUITE 410  
RALEIGH, NC 27607  
PHONE: 919.881.9939  
NC COA No. F-0929

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

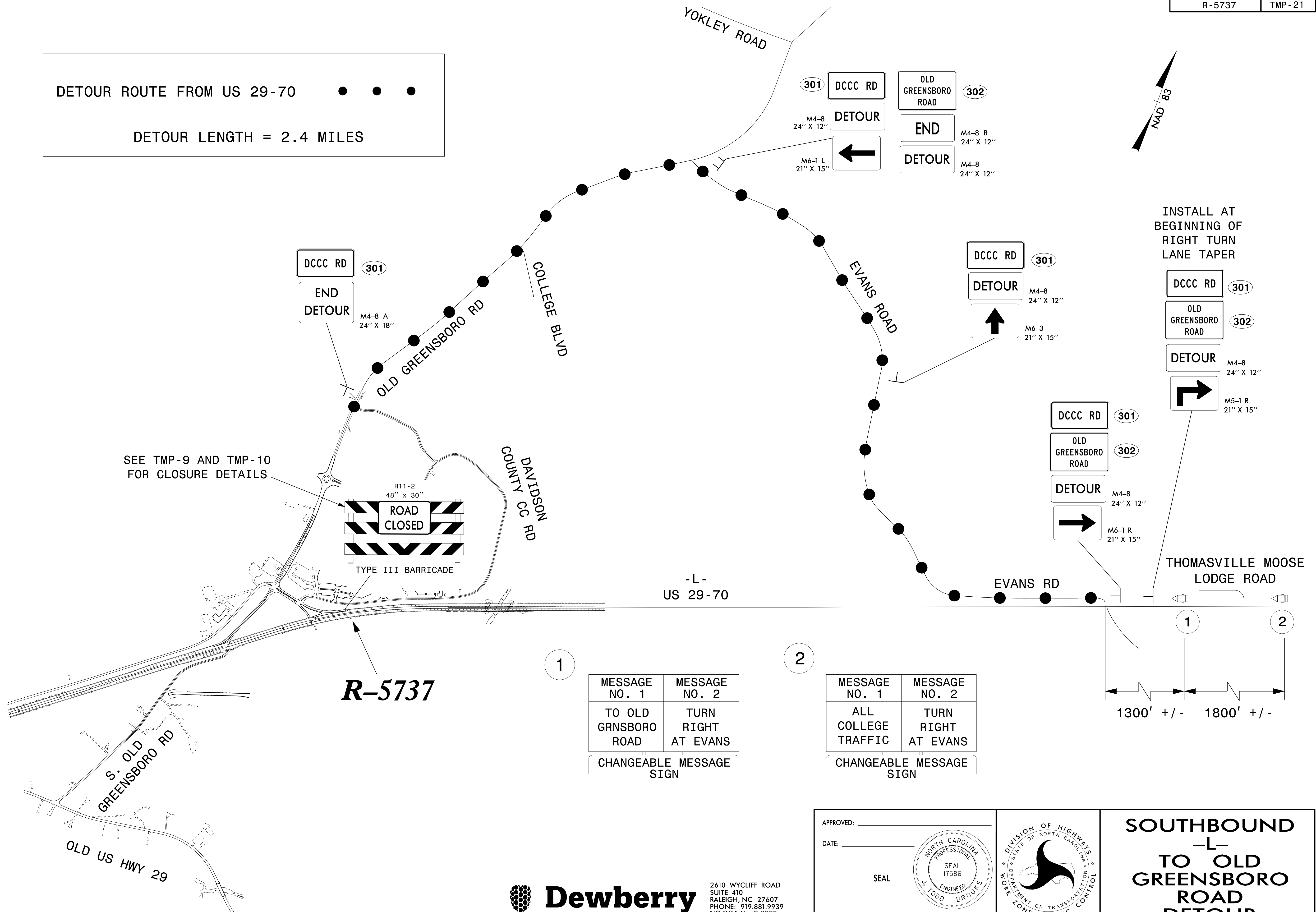
SEAL

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



**PHASE II DETAIL**

DETOUR ROUTE FROM US 29-70  
 DETOUR LENGTH = 2.4 MILES



SEE TMP-9 AND TMP-10 FOR CLOSURE DETAILS

**R-5737**

MESSAGE NO. 1	MESSAGE NO. 2
TO OLD GRNSBORO ROAD	TURN RIGHT AT EVANS
CHANGEABLE MESSAGE SIGN	

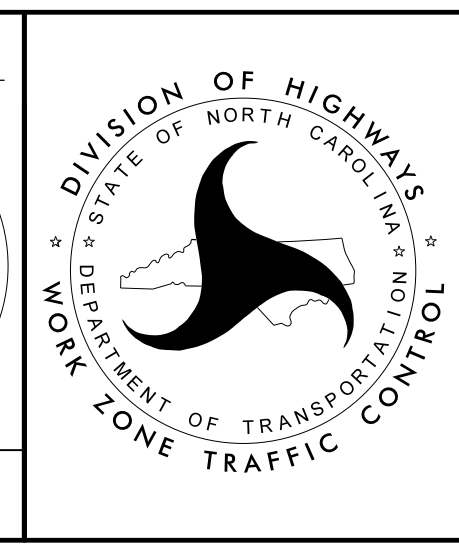
MESSAGE NO. 1	MESSAGE NO. 2
ALL COLLEGE TRAFFIC	TURN RIGHT AT EVANS
CHANGEABLE MESSAGE SIGN	

1300' +/- 1800' +/-

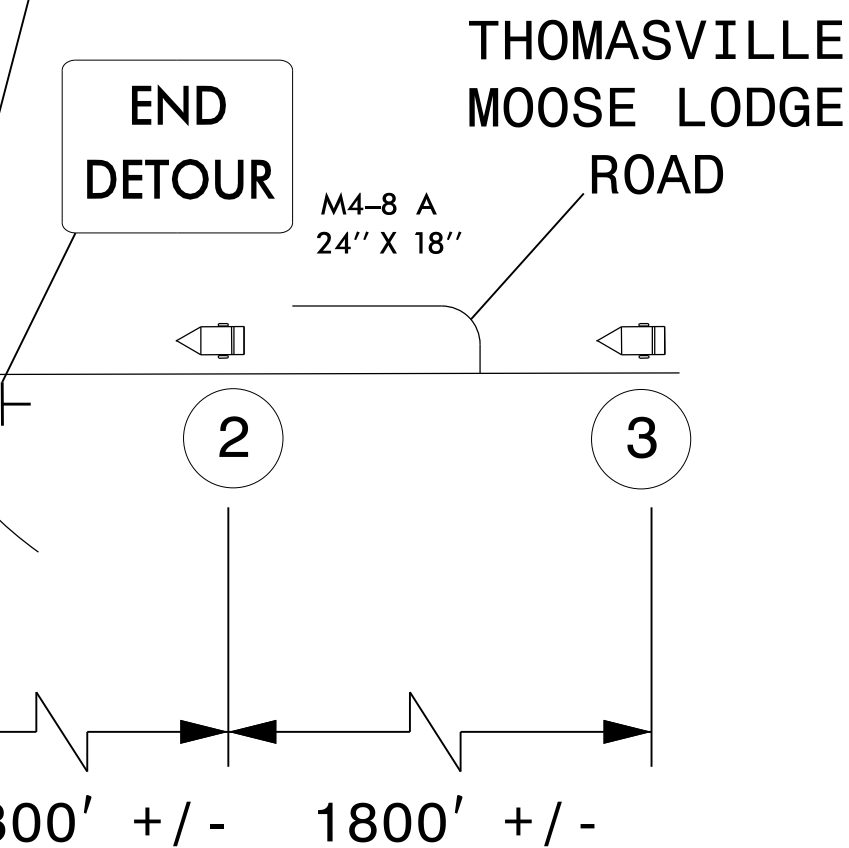
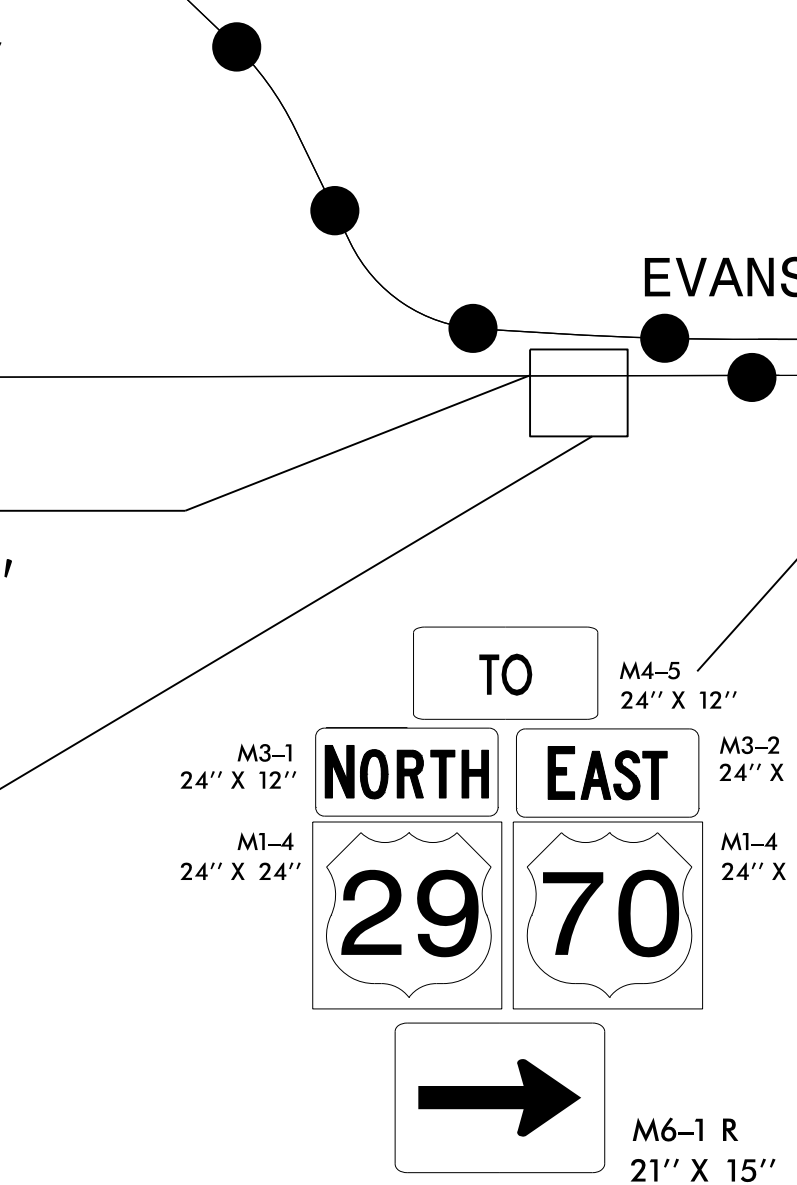
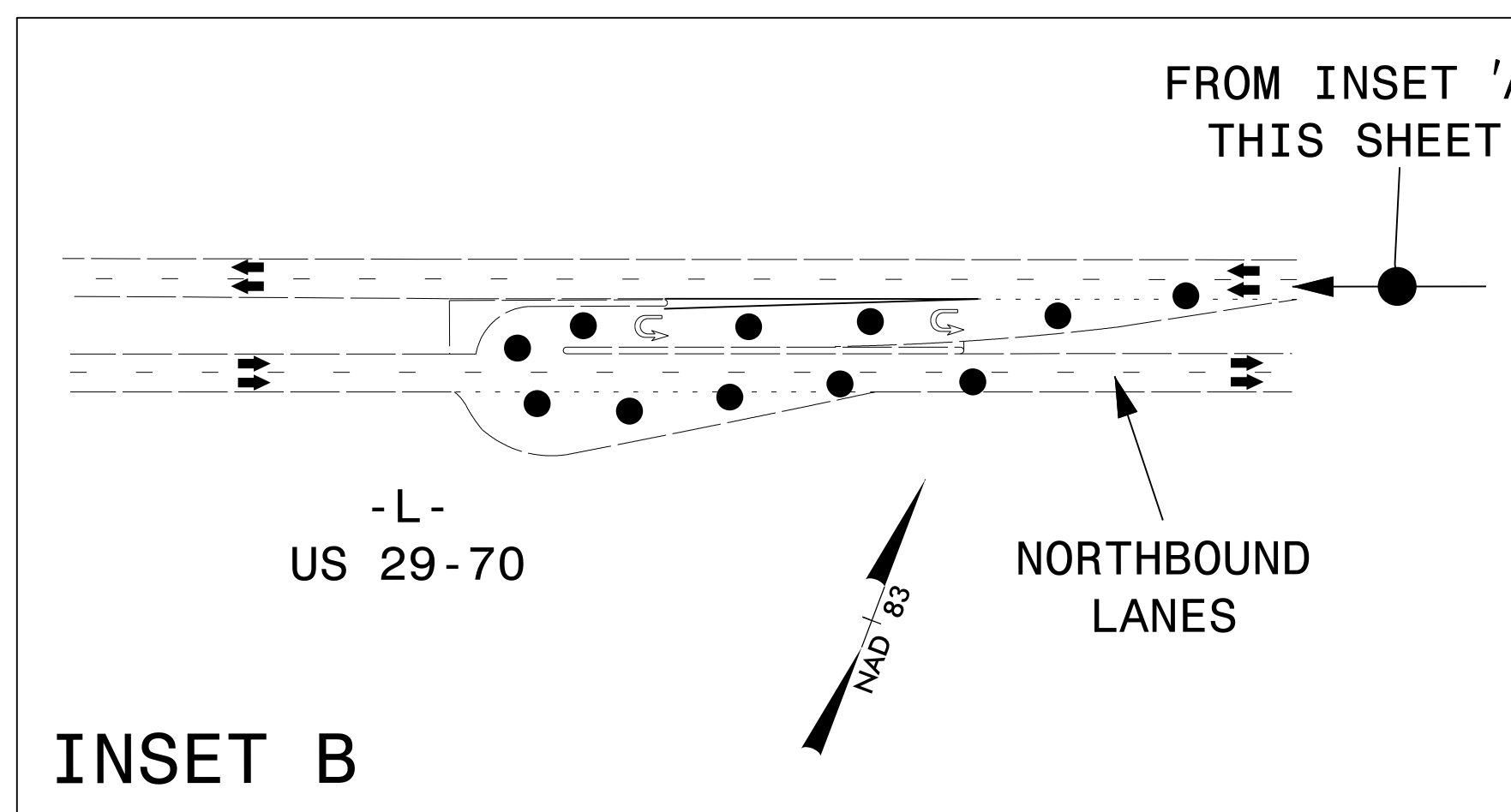
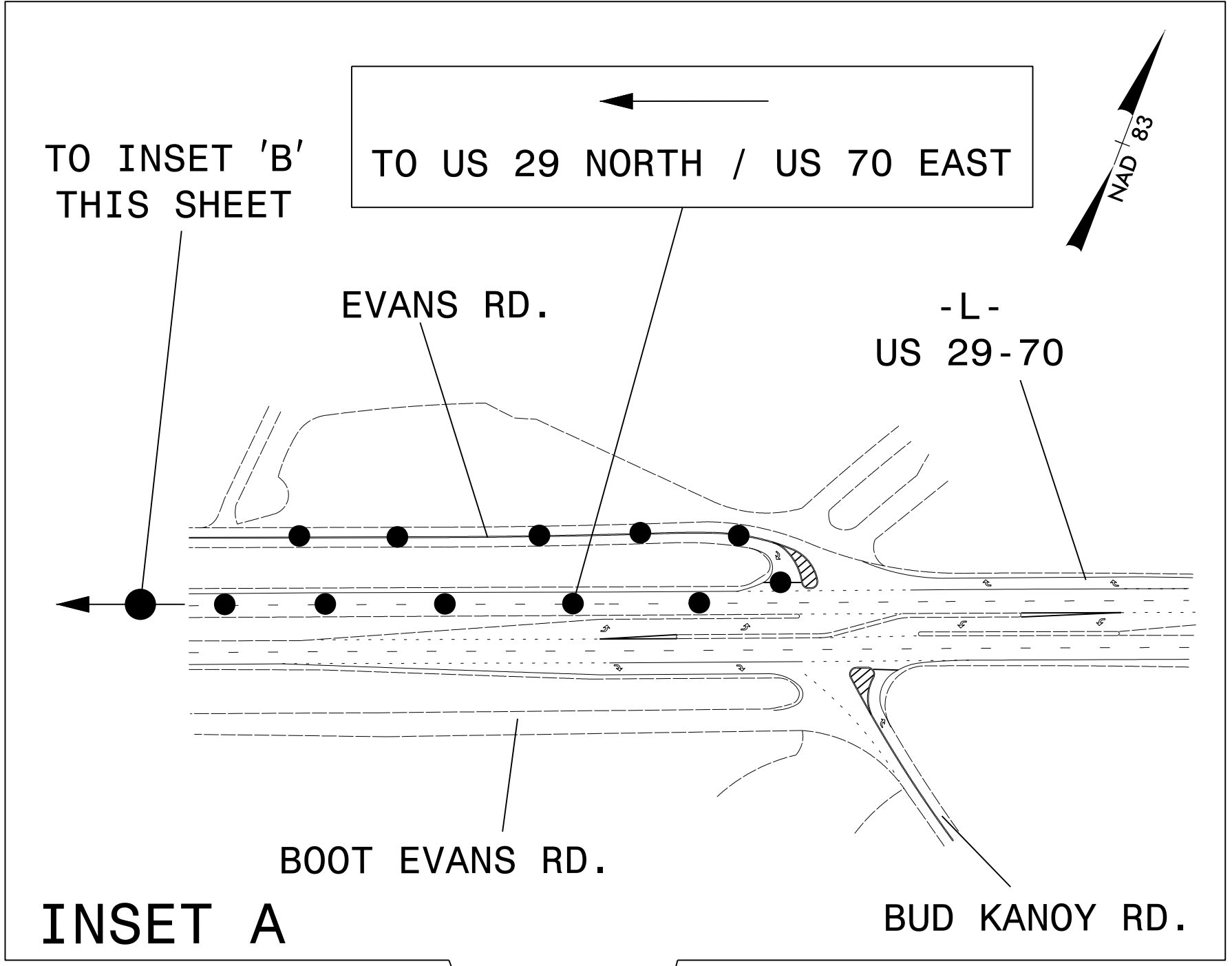
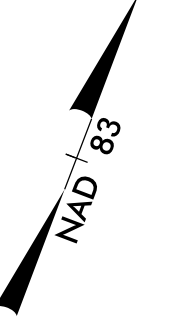
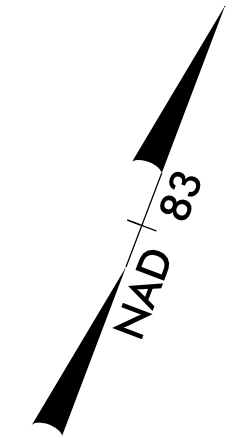
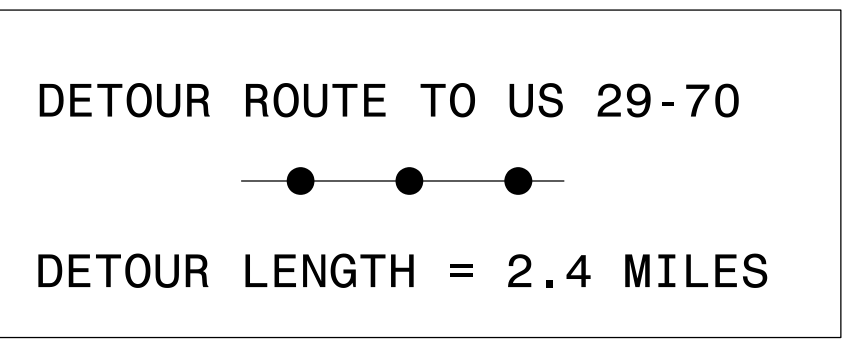
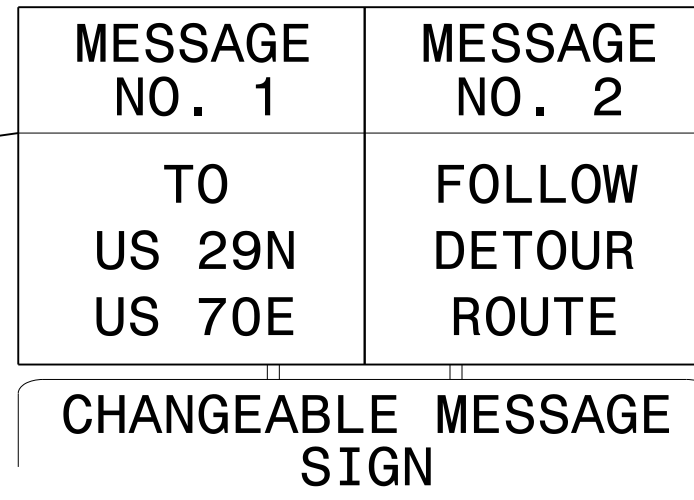
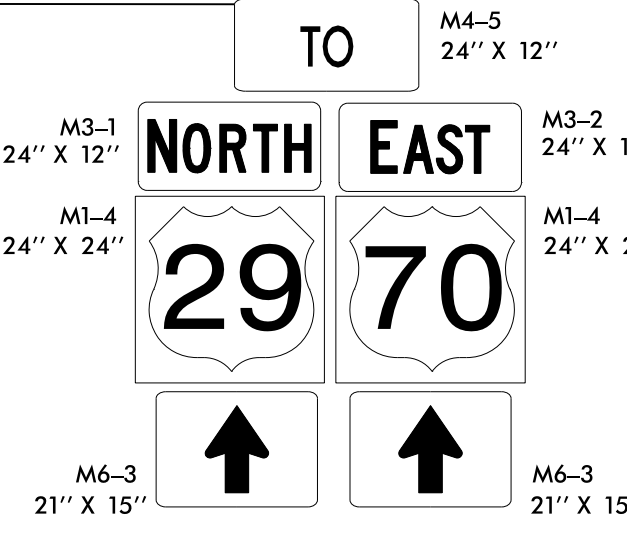
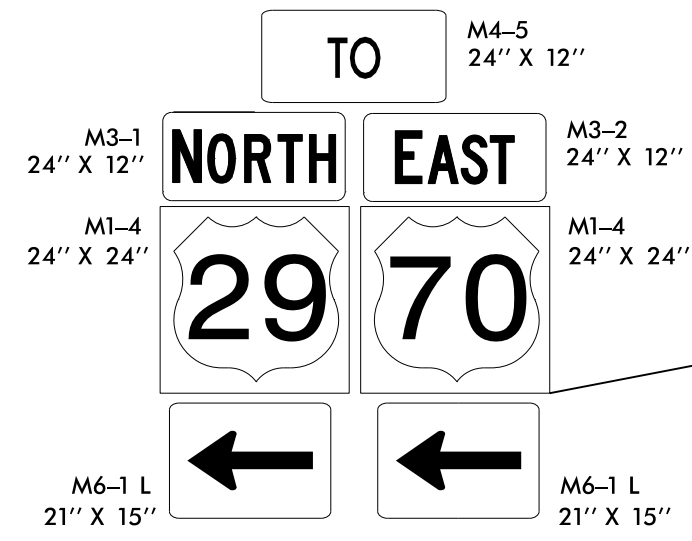
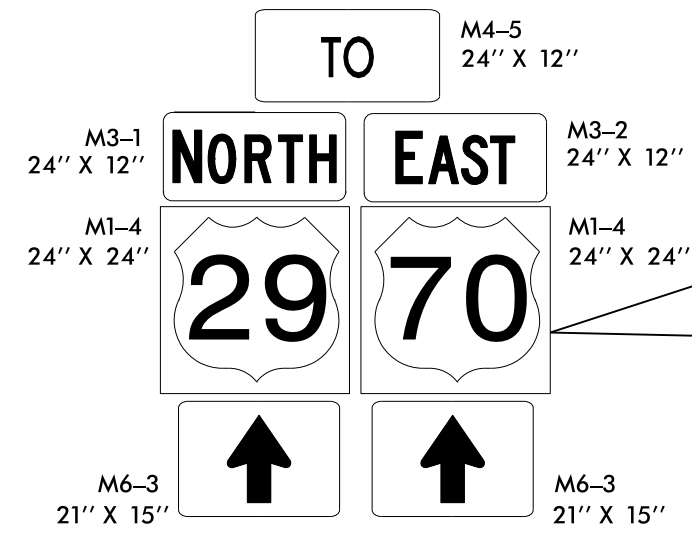
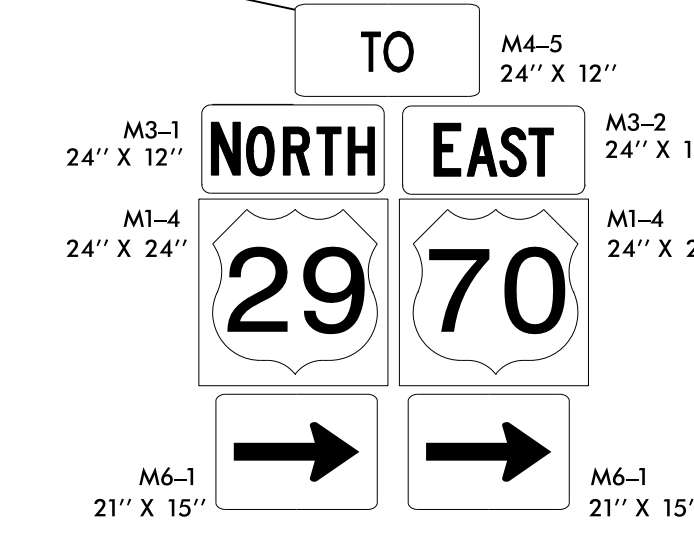
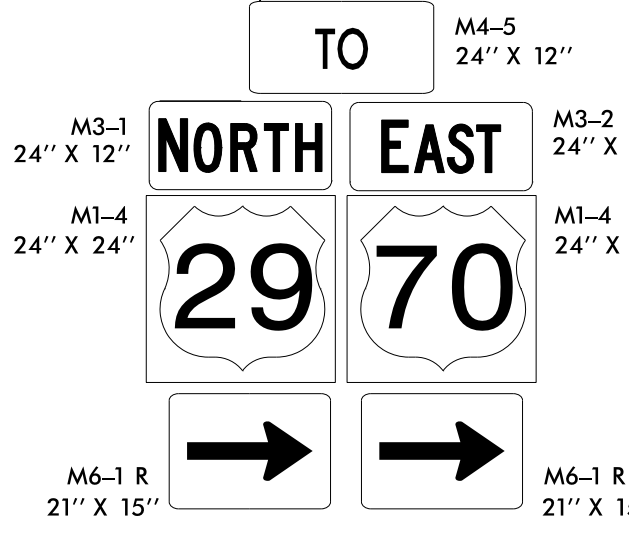
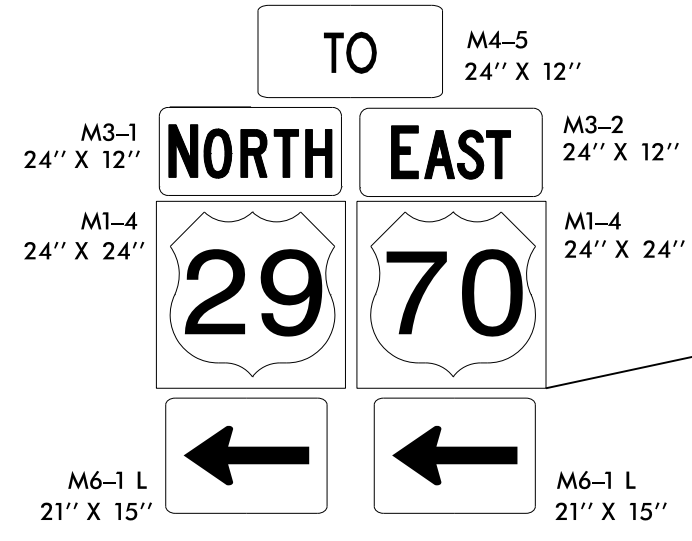
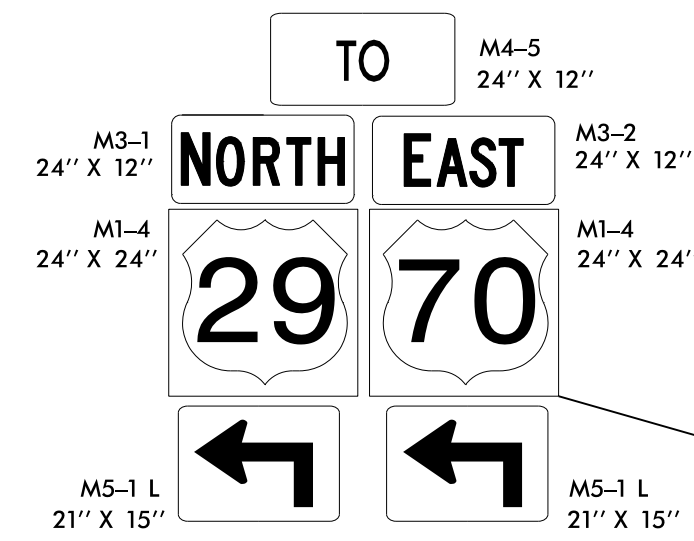
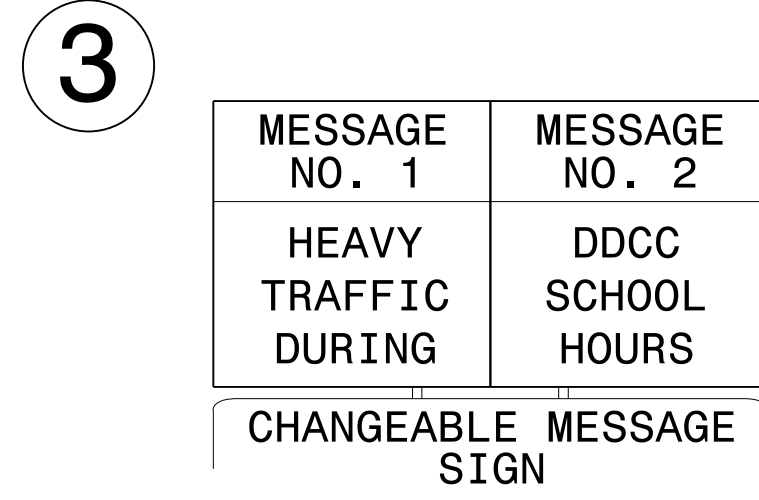
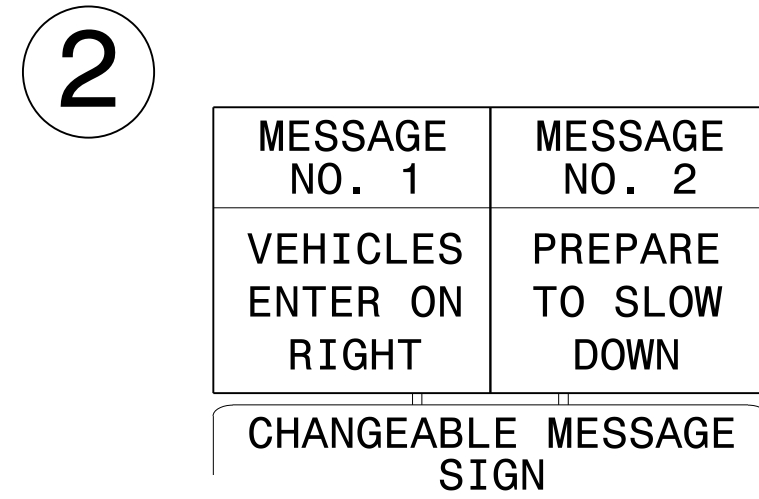
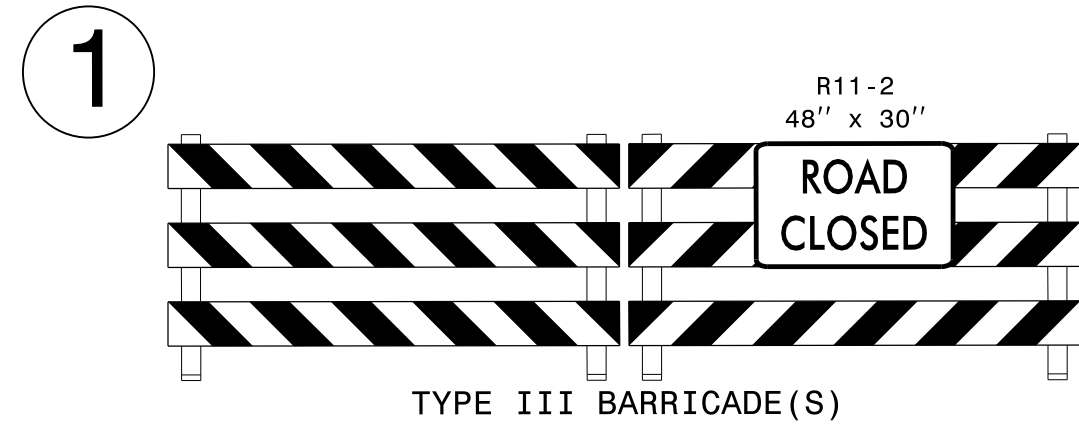
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 AT PCQUAT3J  
 abeshears

**Dewberry**  
 2610 WYCLIFF ROAD  
 SUITE 410  
 RALEIGH, NC 27607  
 PHONE: 919.881.9939  
 NC COA No. F-0929

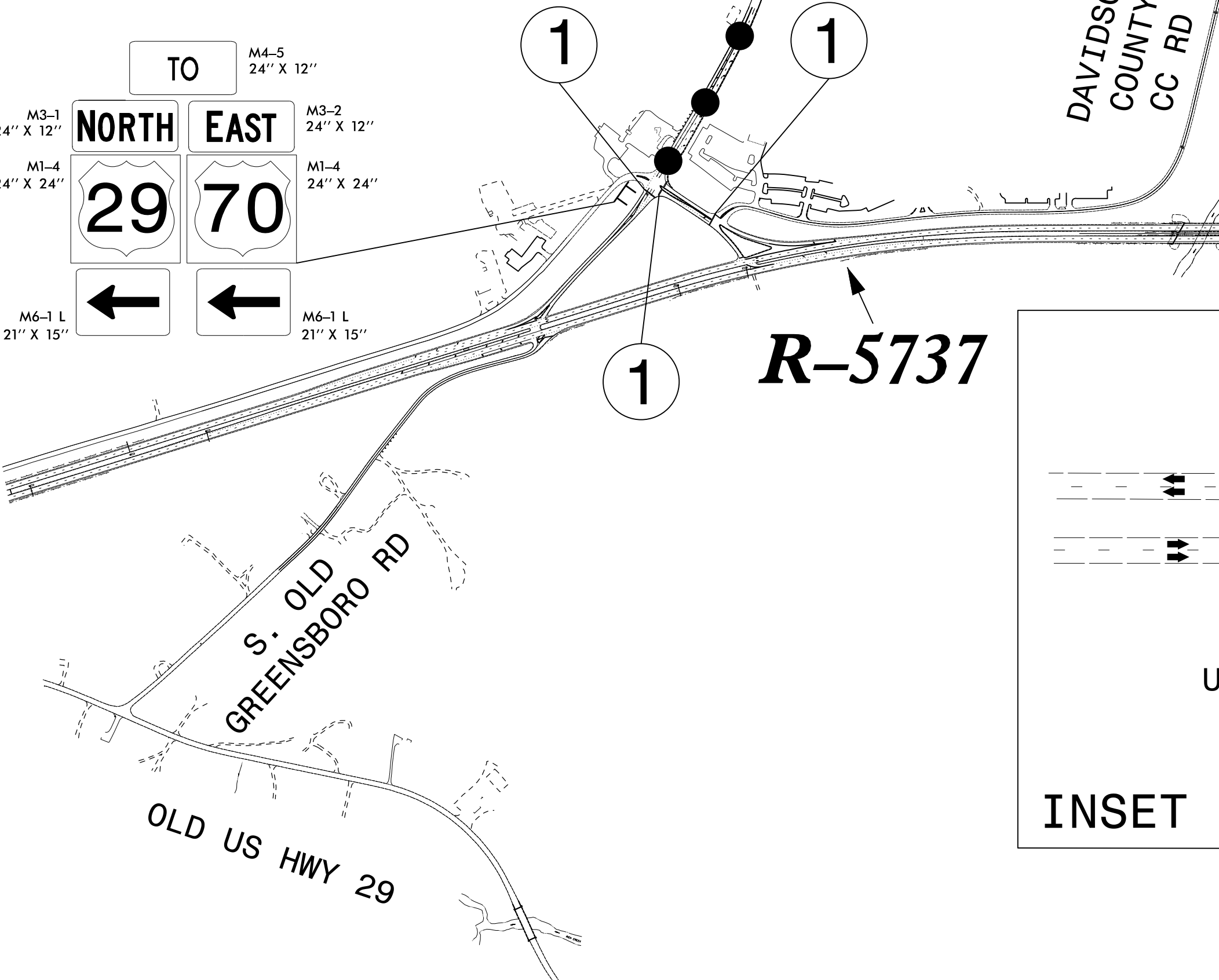
APPROVED: \_\_\_\_\_  
 DATE: \_\_\_\_\_  
 SEAL  
 NORTH CAROLINA PROFESSIONAL ENGINEER  
 SEAL 17586  
 J. TODD BROOKS



**SOUTHBOUND  
 -L-  
 TO OLD GREENSBORO ROAD  
 DETOUR**

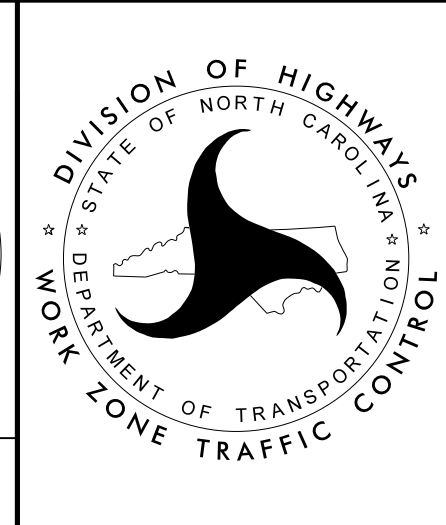


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**Dewberry**  
2610 WYCLIFF ROAD  
SUITE 410  
RALEIGH, NC 27607  
PHONE: 919.881.9939  
NC COA No. F-0929

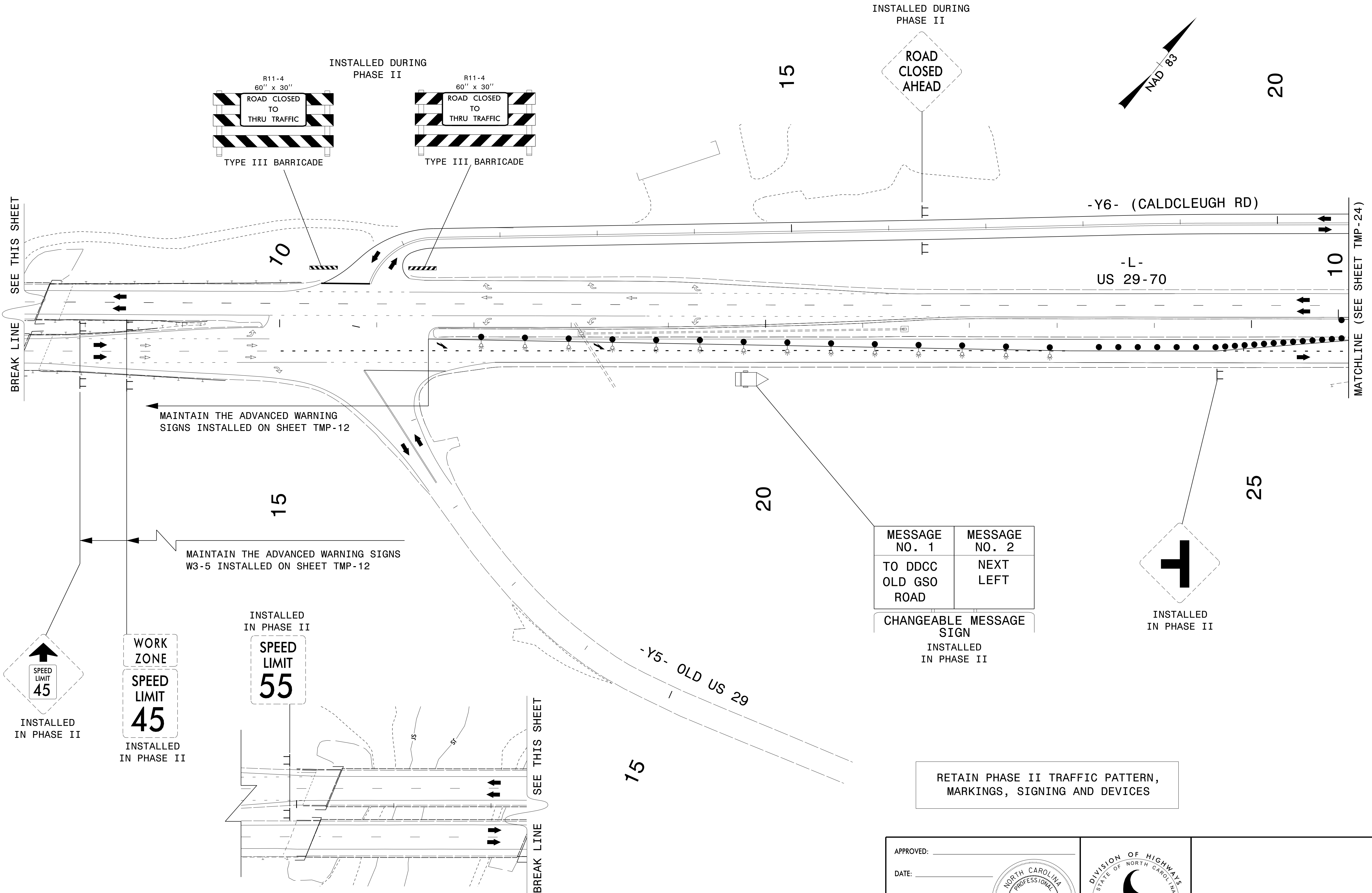
APPROVED: \_\_\_\_\_  
DATE: \_\_\_\_\_  
SEAL  
NORTH CAROLINA PROFESSIONAL ENGINEER  
J. TODD BROOKS  
17586



**CALDCLEUGH RD / DCC TO NORTHBOUND -L- DETOUR**

DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED





BREAK LINE  
SEE THIS SHEET

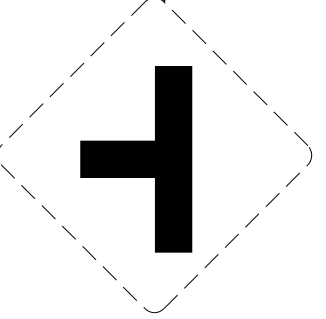
MATCHLINE (SEE SHEET TMP-24)

MAINTAIN THE ADVANCED WARNING SIGNS INSTALLED ON SHEET TMP-12

MAINTAIN THE ADVANCED WARNING SIGNS W3-5 INSTALLED ON SHEET TMP-12

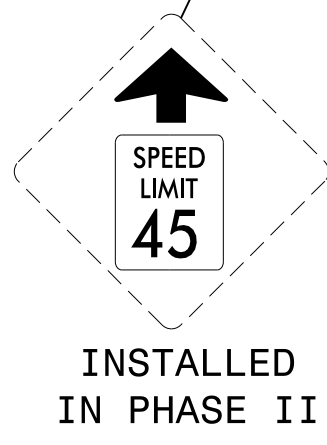
MESSAGE NO. 1	MESSAGE NO. 2
TO DDCC OLD GSO ROAD	NEXT LEFT

CHANGEABLE MESSAGE SIGN  
INSTALLED IN PHASE II

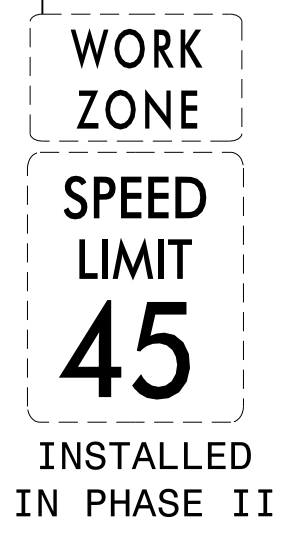


INSTALLED IN PHASE II

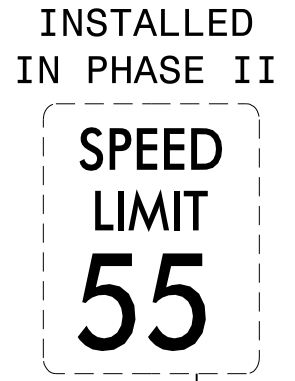
RETAIN PHASE II TRAFFIC PATTERN, MARKINGS, SIGNING AND DEVICES



INSTALLED IN PHASE II



INSTALLED IN PHASE II



INSTALLED IN PHASE II

BREAK LINE  
SEE THIS SHEET

13-JUL-2021 10:37  
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 AT PCQUAT3J  
 abeshears

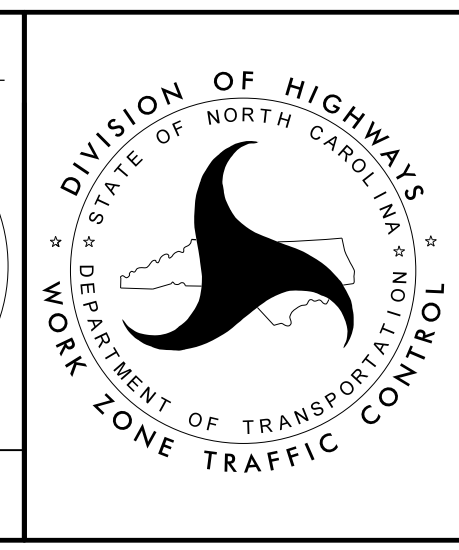


2610 WYCLIFF ROAD  
 SUITE 410  
 RALEIGH, NC 27607  
 PHONE: 919.881.9939  
 NC COA No. F-0929

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

SEAL

DOCUMENT NOT CONSIDERED FINAL  
 UNLESS ALL SIGNATURES COMPLETED



**PHASE III DETAIL**

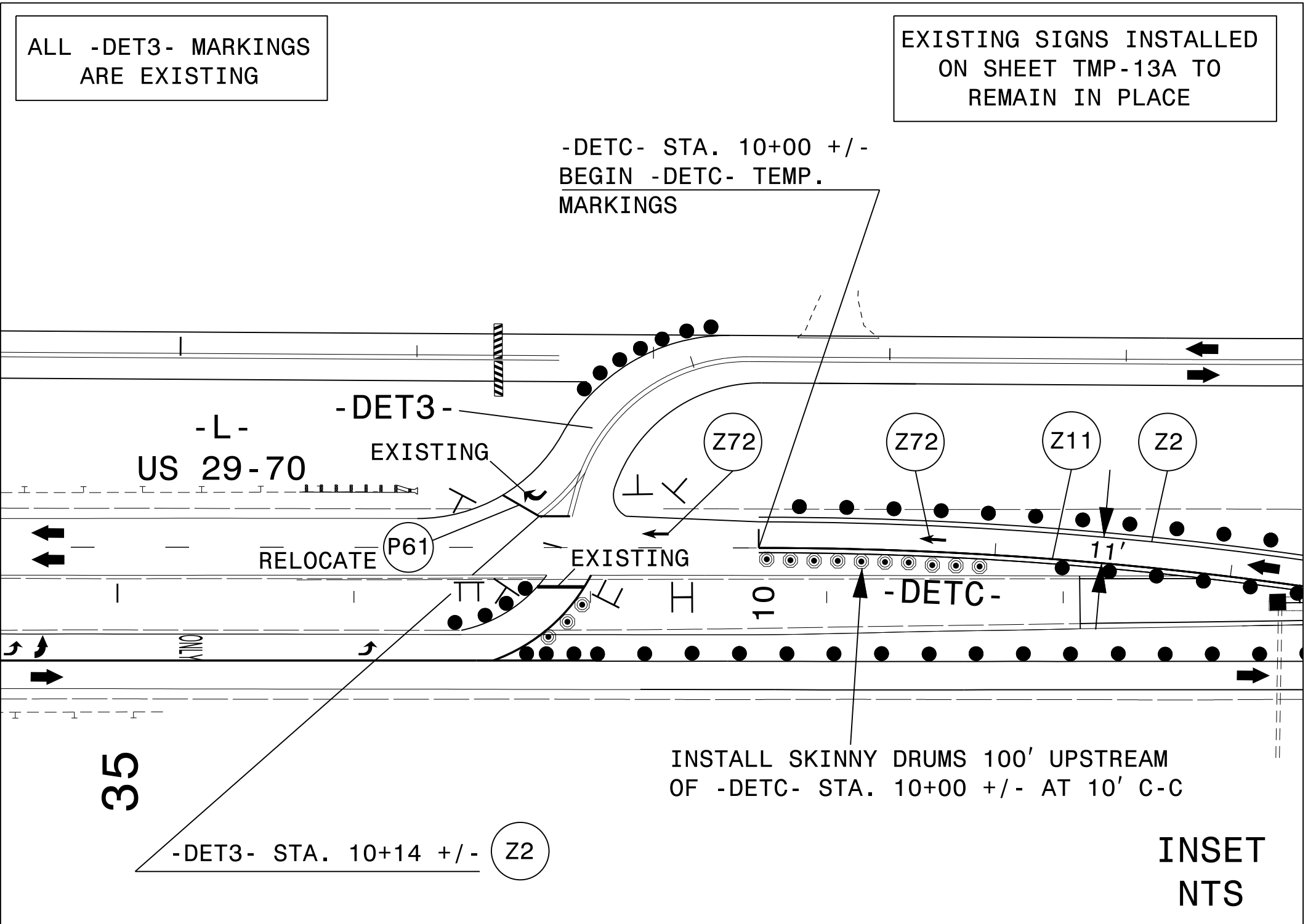
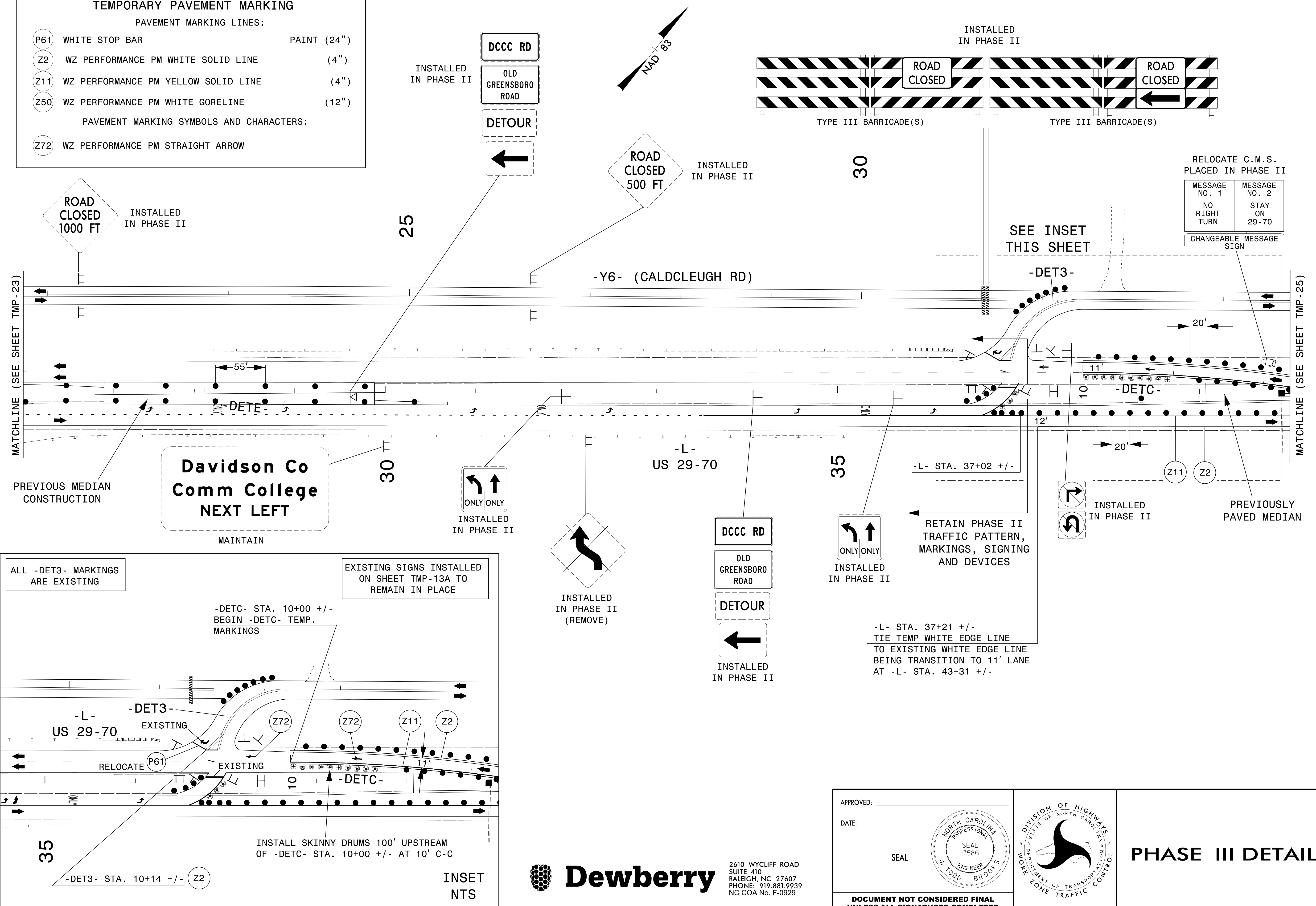
**TEMPORARY PAVEMENT MARKING**

PAVEMENT MARKING LINES:

P61	WHITE STOP BAR	PAINT (24")
Z2	WZ PERFORMANCE PM WHITE SOLID LINE	(4")
Z11	WZ PERFORMANCE PM YELLOW SOLID LINE	(4")
Z50	WZ PERFORMANCE PM WHITE GORELINE	(12")

PAVEMENT MARKING SYMBOLS AND CHARACTERS:

Z72	WZ PERFORMANCE PM STRAIGHT ARROW
-----	----------------------------------



RELOCATE C.M.S. PLACED IN PHASE II

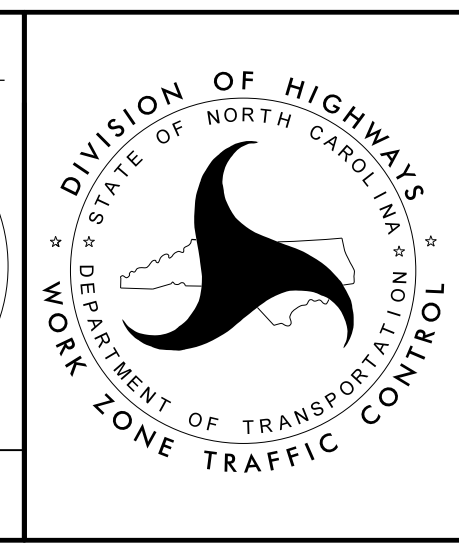
MESSAGE NO. 1	MESSAGE NO. 2
NO RIGHT TURN	STAY ON 29-70

CHANGEABLE MESSAGE SIGN

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

SEAL

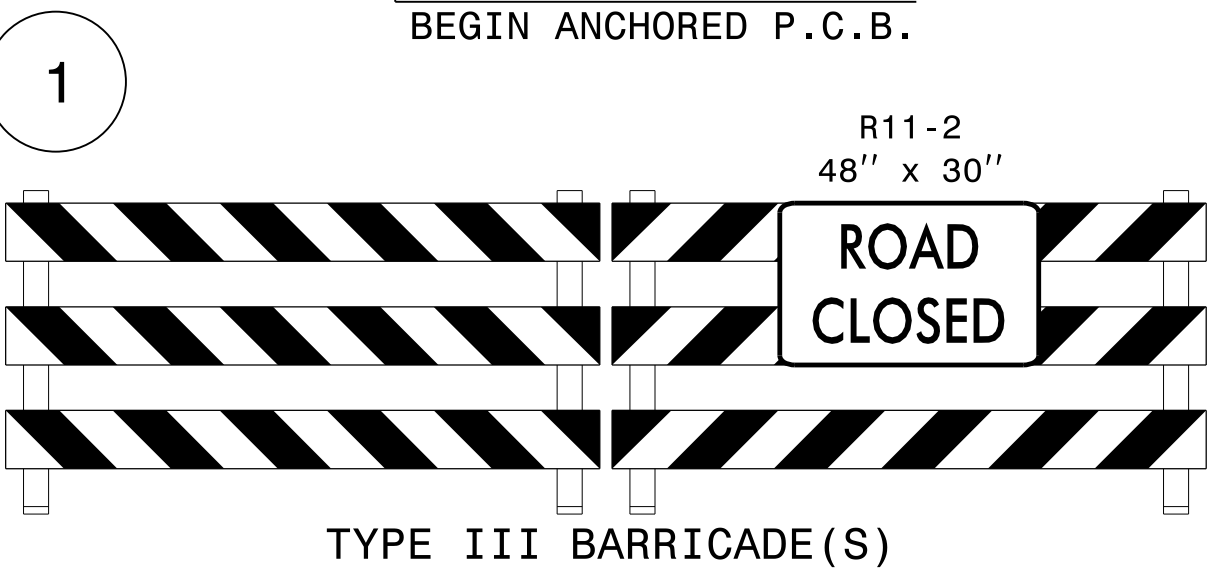
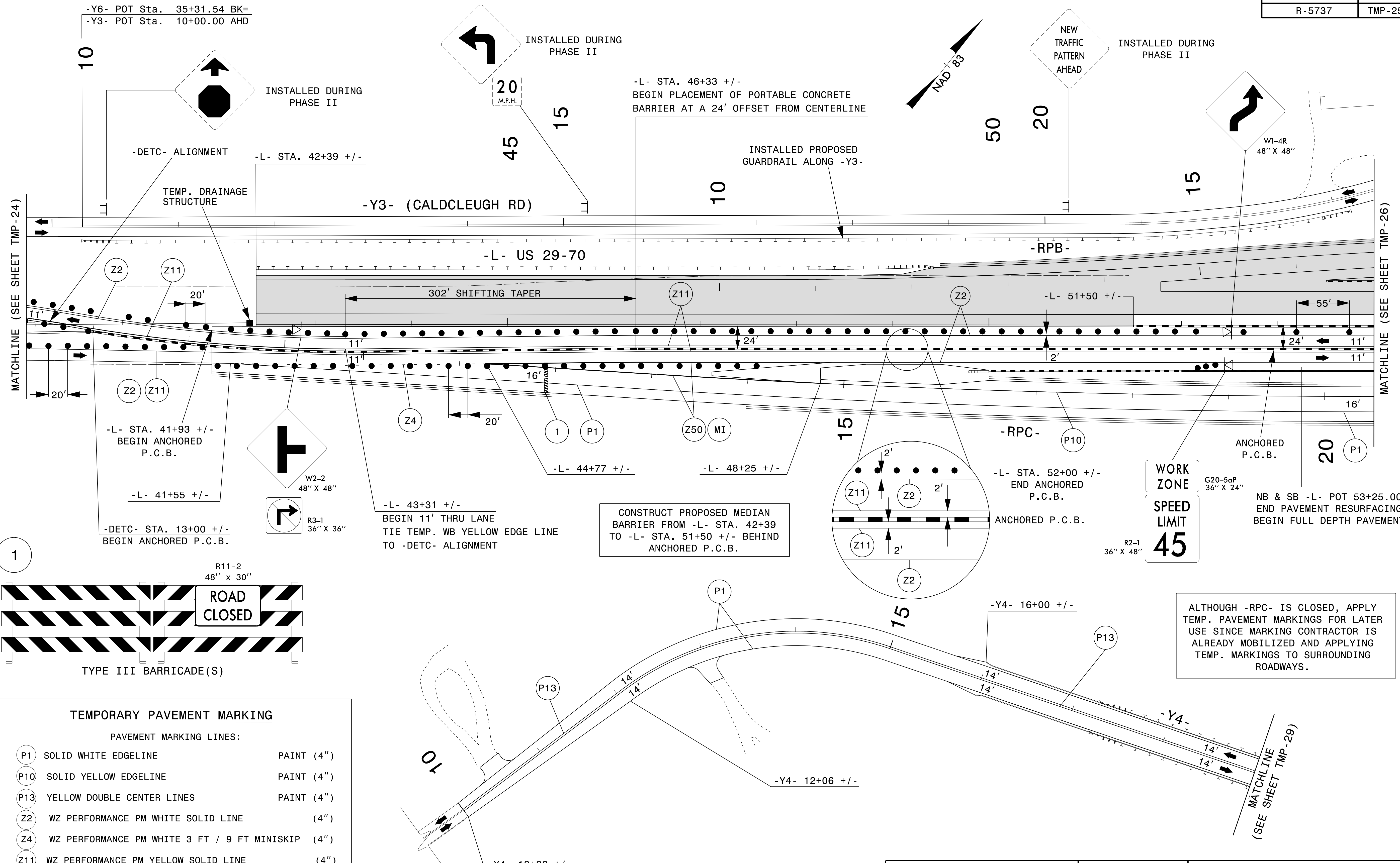
**DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED**



**Dewberry**

2610 WYCLIFF ROAD  
 SUITE 410  
 RALEIGH, NC 27607  
 PHONE: 919.881.9939  
 NC COA No. F-0929

13-JUL-2021 10:37  
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 abeshears



TEMPORARY PAVEMENT MARKING		
PAVEMENT MARKING LINES:		
P1	SOLID WHITE EDGELINE	PAINT (4")
P10	SOLID YELLOW EDGELINE	PAINT (4")
P13	YELLOW DOUBLE CENTER LINES	PAINT (4")
Z2	WZ PERFORMANCE PM WHITE SOLID LINE	(4")
Z4	WZ PERFORMANCE PM WHITE 3 FT / 9 FT MINISKIP	(4")
Z11	WZ PERFORMANCE PM YELLOW SOLID LINE	(4")
Z50	WZ PERFORMANCE PM WHITE GORELINE	(12")
PAVEMENT MARKERS:		
MI	CRYSTAL / RED	TEMPORARY RAISED

WORK ZONE  
SPEED LIMIT  
**45**

CONSTRUCT PROPOSED MEDIAN BARRIER FROM -L- STA. 42+39 TO -L- STA. 51+50 +/- BEHIND ANCHORED P.C.B.

ALTHOUGH -RPC- IS CLOSED, APPLY TEMP. PAVEMENT MARKINGS FOR LATER USE SINCE MARKING CONTRACTOR IS ALREADY MOBILIZED AND APPLYING TEMP. MARKINGS TO SURROUNDING ROADWAYS.

03-AUG-2021 16:11 P:\50094071\CAD\CIVIL\N5737\TrafficControl\CPAPlans\Alternative\N5737\_TCP\_25.dgn AT PF2JAC4N mlshok

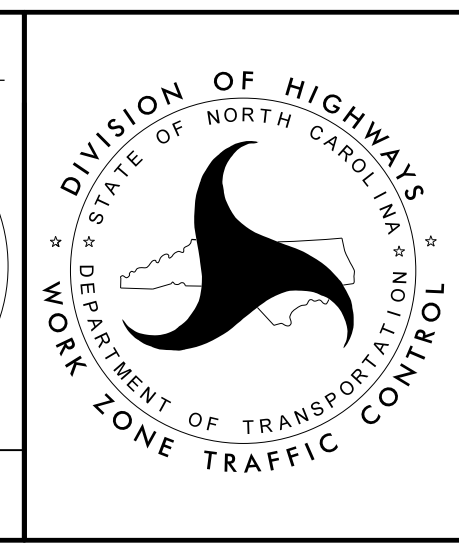
**Dewberry**  
2610 WYCLIFF ROAD  
SUITE 410  
RALEIGH, NC 27607  
PHONE: 919.881.9939  
NC COA No. F-0929

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

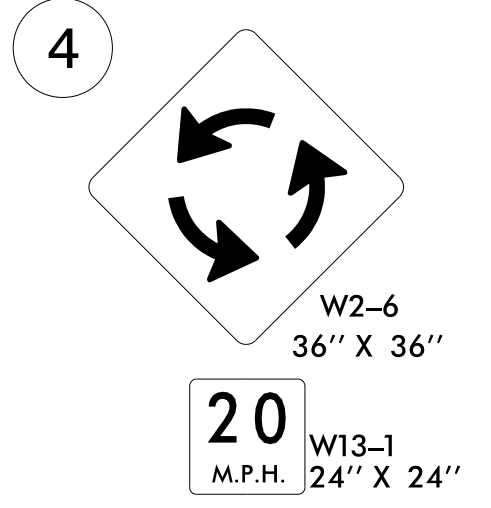
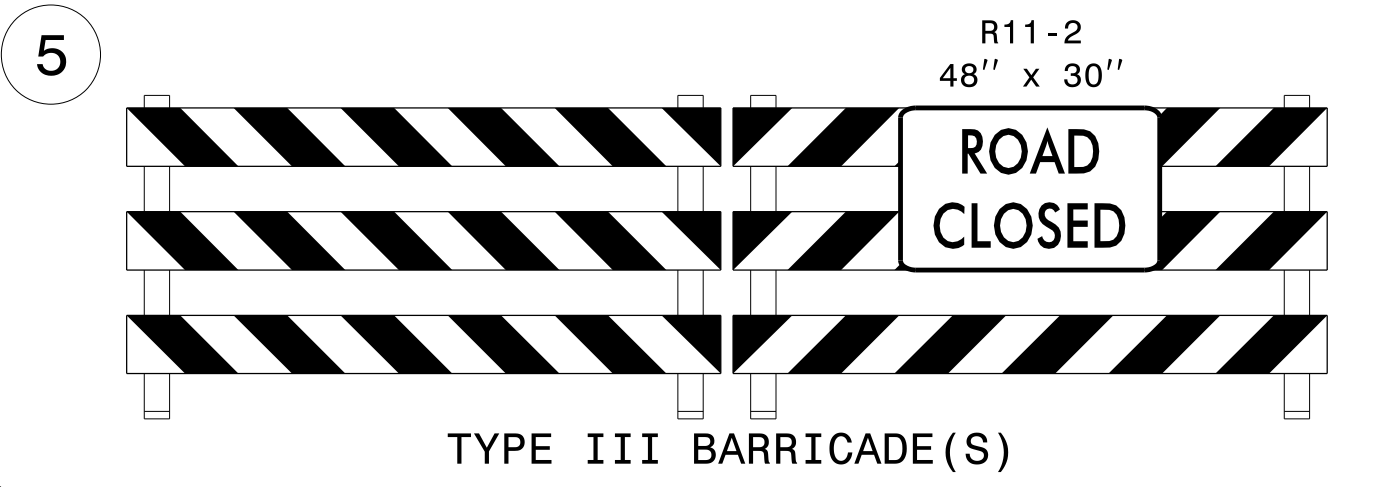
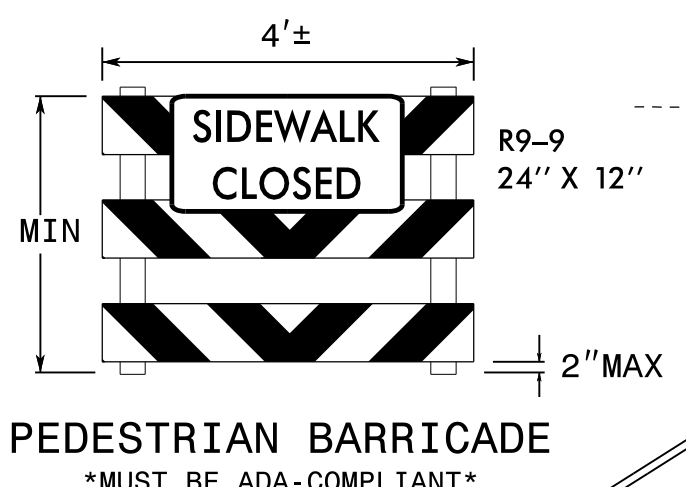
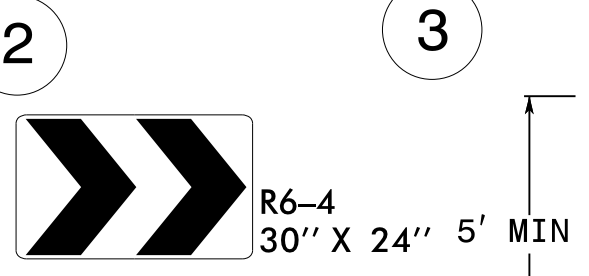
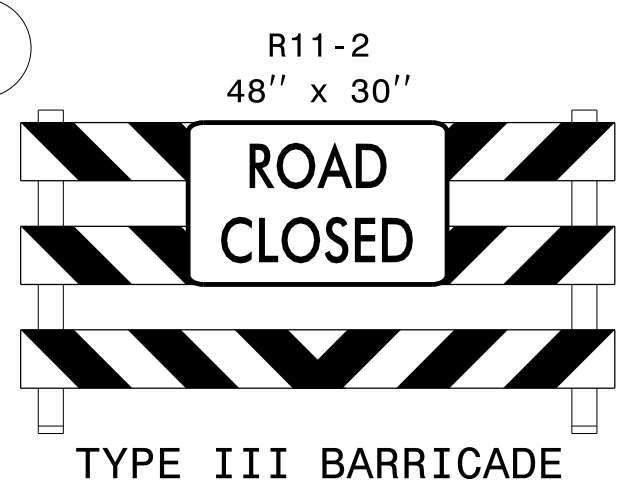
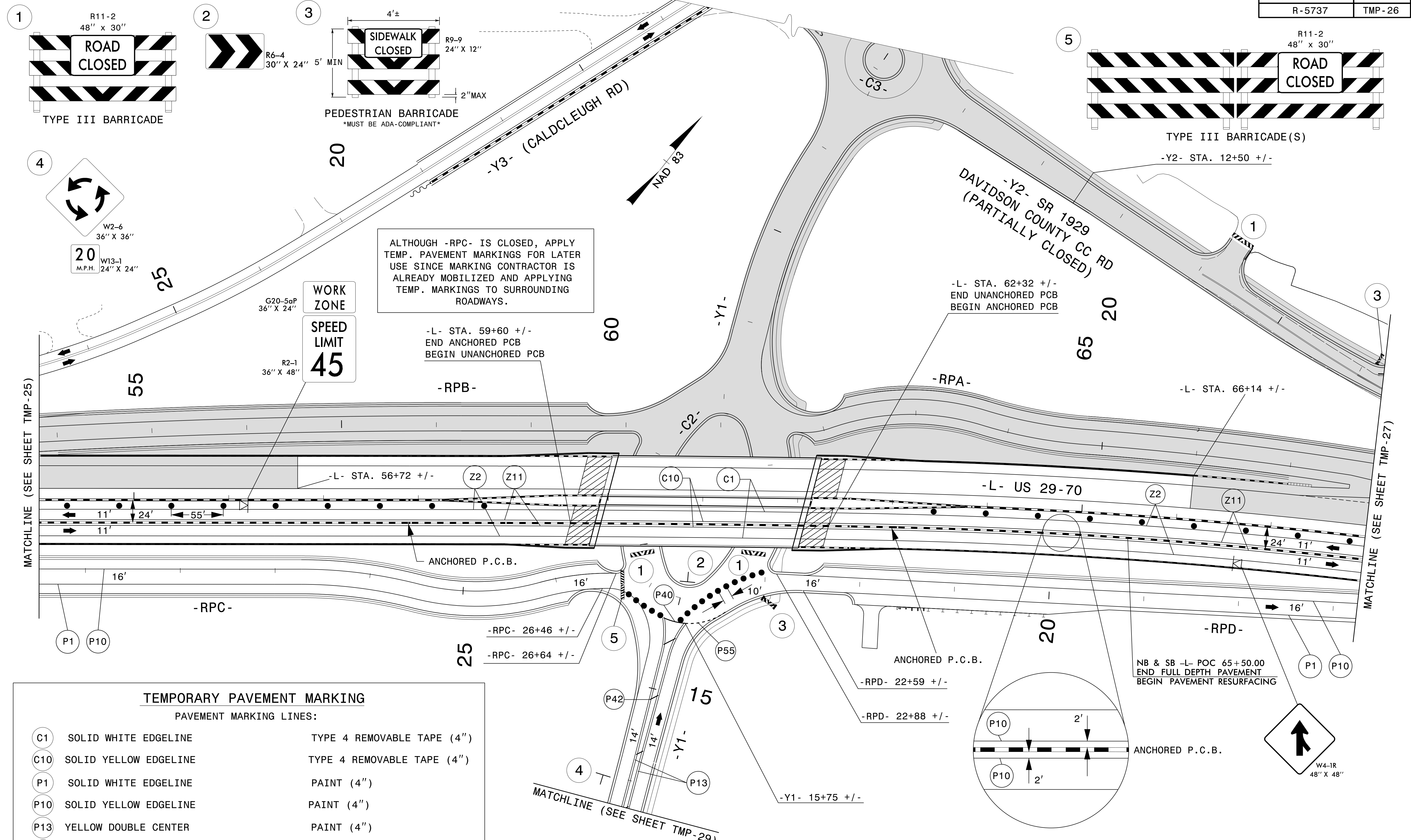
SEAL

**NORTH CAROLINA PROFESSIONAL ENGINEER**  
SEAL 17586  
J. TODD BROOKS

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



**PHASE III DETAIL**



ALTHOUGH -RPC- IS CLOSED, APPLY TEMP. PAVEMENT MARKINGS FOR LATER USE SINCE MARKING CONTRACTOR IS ALREADY MOBILIZED AND APPLYING TEMP. MARKINGS TO SURROUNDING ROADWAYS.

WORK ZONE  
SPEED LIMIT  
45

MATCHLINE (SEE SHEET TMP-25)

MATCHLINE (SEE SHEET TMP-27)

**TEMPORARY PAVEMENT MARKING**

PAVEMENT MARKING LINES:

C1	SOLID WHITE EDGELINE	TYPE 4 REMOVABLE TAPE (4")
C10	SOLID YELLOW EDGELINE	TYPE 4 REMOVABLE TAPE (4")
P1	SOLID WHITE EDGELINE	PAINT (4")
P10	SOLID YELLOW EDGELINE	PAINT (4")
P13	YELLOW DOUBLE CENTER	PAINT (4")
P40	WHITE GORELINE	PAINT (8")
P42	YELLOW DIAGONAL	PAINT (8")
P55	3FT-3FT WHITE MINISKIP	PAINT (12")
Z2	WZ PERFORMANCE PM WHITE SOLID LINE	(4")
Z11	WZ PERFORMANCE PM YELLOW SOLID LINE	(4")

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

SEAL

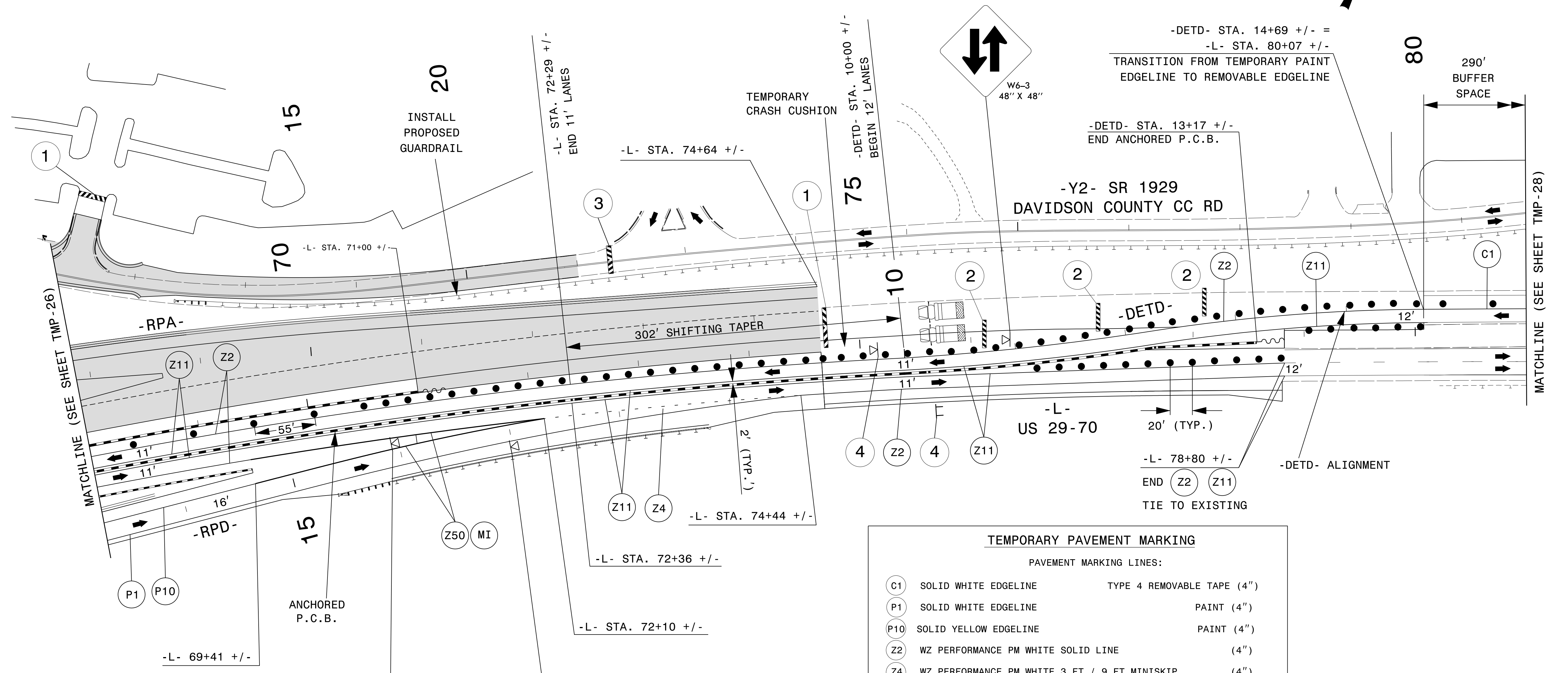
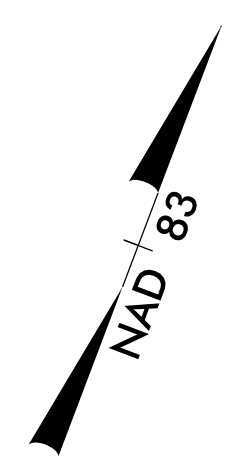
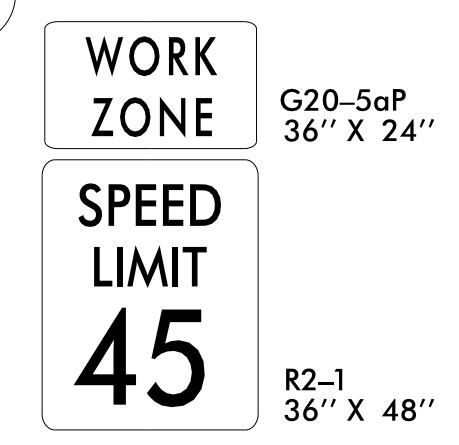
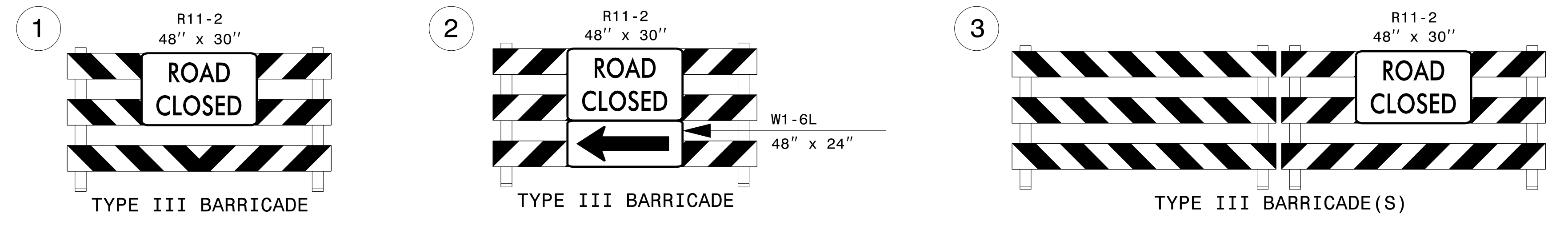
**PHASE III DETAIL**

DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED

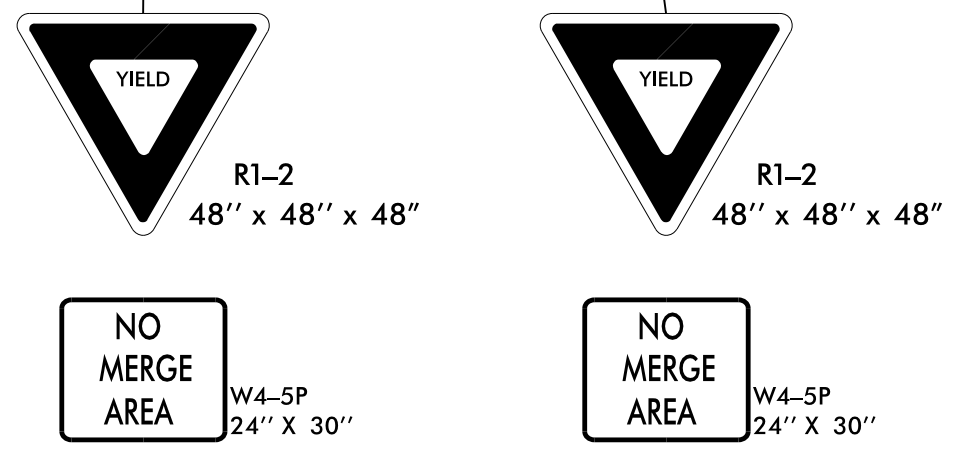
**Dewberry**

2610 WYCLIFF ROAD  
SUITE 410  
RALEIGH, NC 27607  
PHONE: 919.881.9939  
NC COA No. F-0929

03-AUG-2021 16:13 P:\5009407\CAD\CIVIL\5737\TrafficControl\CP\Plans\Alternative\5737\_TCP\_ICP\_26.dgn AT PF2JAC4N mlshok



TEMPORARY PAVEMENT MARKING		
PAVEMENT MARKING LINES:		
(C1)	SOLID WHITE EDGELINE	TYPE 4 REMOVABLE TAPE (4")
(P1)	SOLID WHITE EDGELINE	PAINT (4")
(P10)	SOLID YELLOW EDGELINE	PAINT (4")
(Z2)	WZ PERFORMANCE PM WHITE SOLID LINE	(4")
(Z4)	WZ PERFORMANCE PM WHITE 3 FT / 9 FT MINISKIP	(4")
(Z11)	WZ PERFORMANCE PM YELLOW SOLID LINE	(4")
(Z50)	WZ PERFORMANCE PM WHITE GORELINE	(12")
PAVEMENT MARKERS:		
(MI)	CRYSTAL / RED	TEMPORARY RAISED



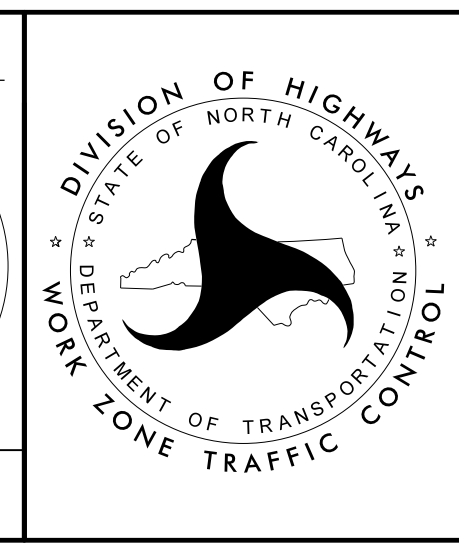
03-AUG-2021 16:14  
 P:\5005407\CAD\CIVIL\N5737\TrafficControl\CPAPlans\Alternative\N5737\_TCP\_27.dgn  
 AT PF2JAC4N  
 mishok



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

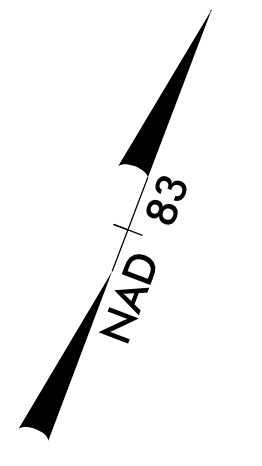
SEAL

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



**PHASE III DETAIL**

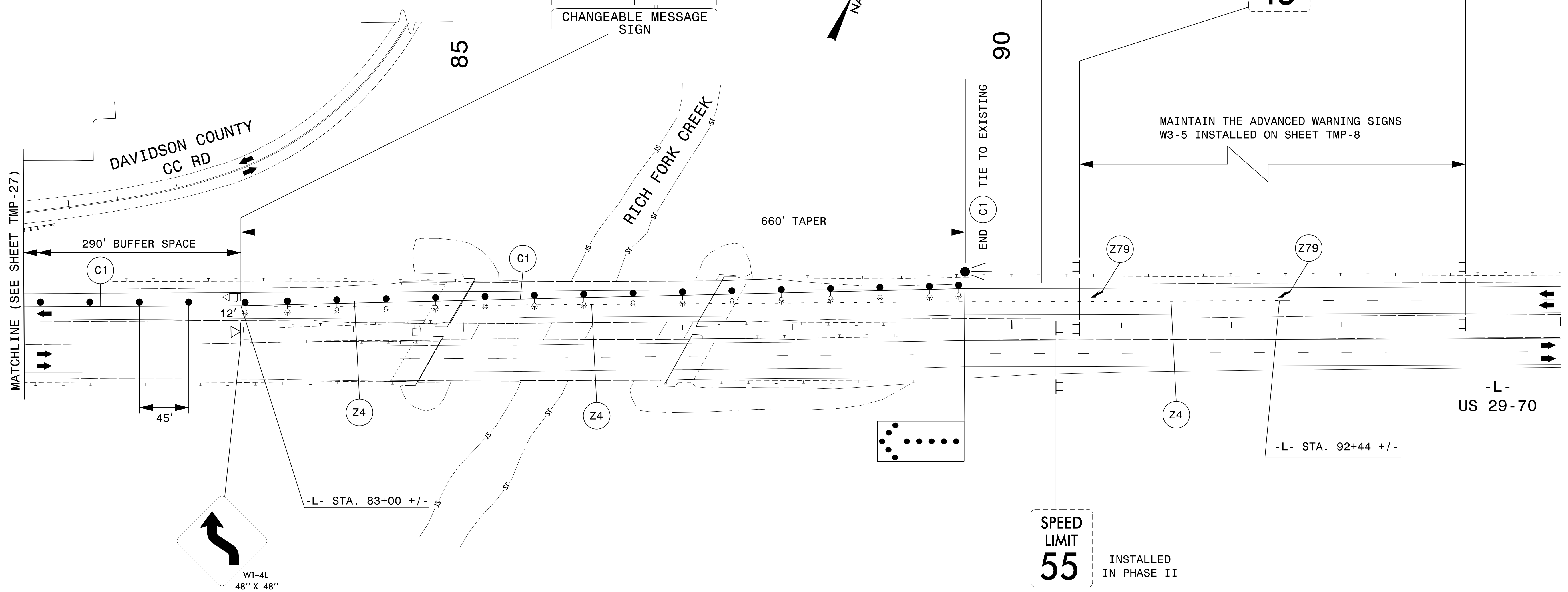
MESSAGE NO. 1	MESSAGE NO. 2
LANE SHIFT AHEAD	MAX SAFE SPEED 45 MPH
CHANGEABLE MESSAGE SIGN	



REFER TO RSD 1101.02, SHEET 3 OF 14, FOR LANE CLOSURE DETAIL, SIGNING AND DEVICES

WORK ZONE  
SPEED LIMIT 45  
INSTALLED IN PHASE II

SPEED LIMIT 45  
INSTALLED IN PHASE II



MATCHLINE (SEE SHEET TMP-27)

290' BUFFER SPACE

660' TAPER

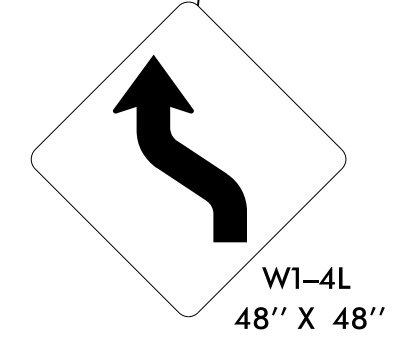
MAINTAIN THE ADVANCED WARNING SIGNS W3-5 INSTALLED ON SHEET TMP-8

END C1 TIE TO EXISTING

-L- US 29-70

-L- STA. 92+44 +/-

-L- STA. 83+00 +/-



TEMPORARY PAVEMENT MARKING	
PAVEMENT MARKING LINES:	
C1 SOLID WHITE EDGELINE	TYPE 4 REMOVABLE TAPE (4")
Z4 WZ PERFORMANCE PM WHITE 3 FT / 9 FT MINISKIP	(4")
PAVEMENT MARKING SYMBOLS AND CHARACTERS:	
Z79 WZ PERFORMANCE PM MERGE ARROW	

SPEED LIMIT 55  
INSTALLED IN PHASE II

04-AUG-2021 08:43 P:\50054071\CAD\CIVIL\5737\TrafficControl\CP\Plans\Alternative\5737\_TCP\_28.dgn AT PF2JAC4N mishok

2610 WYCLIFF ROAD  
SUITE 410  
RALEIGH, NC 27607  
PHONE: 919.881.9939  
NC COA No. F-0929

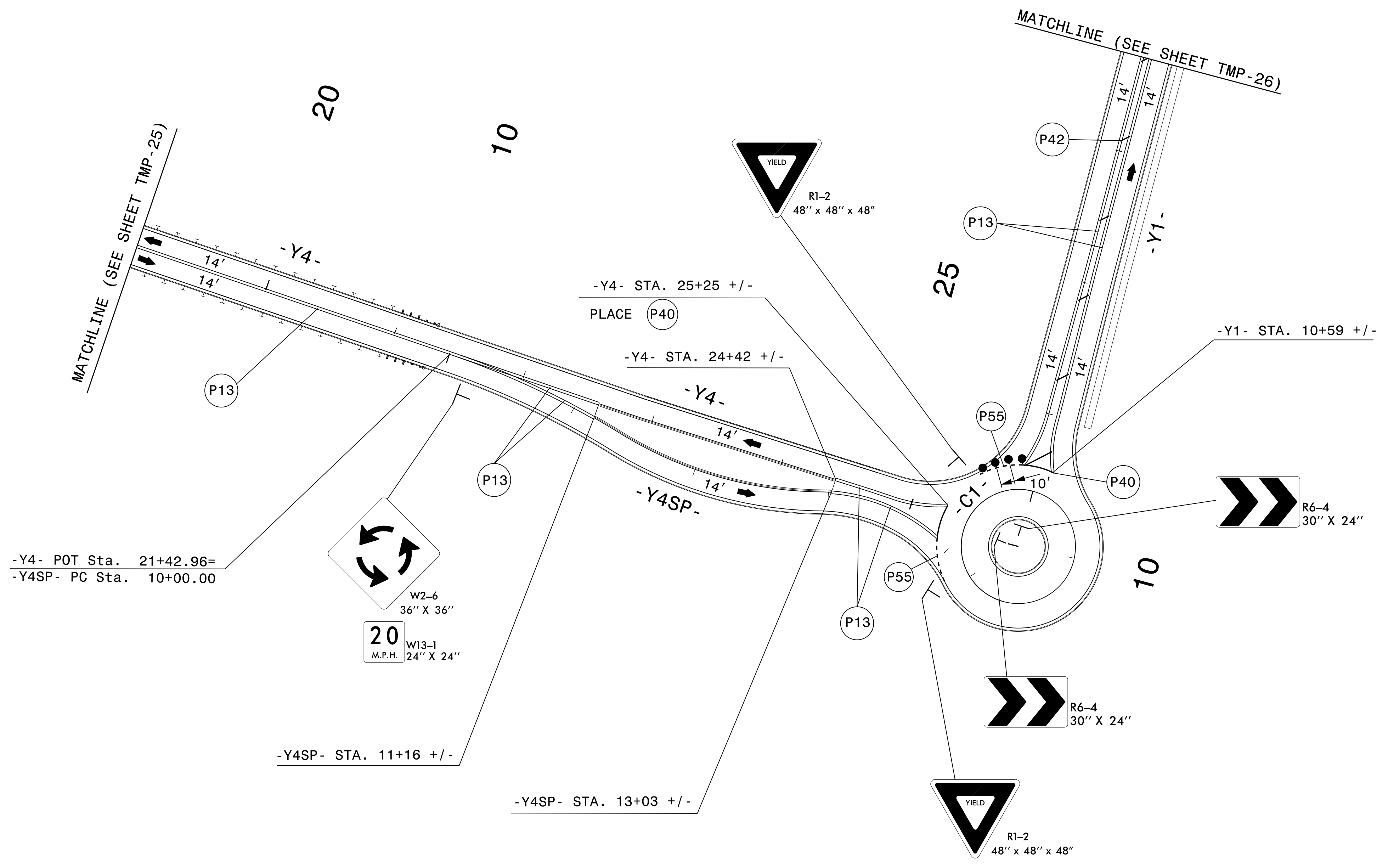
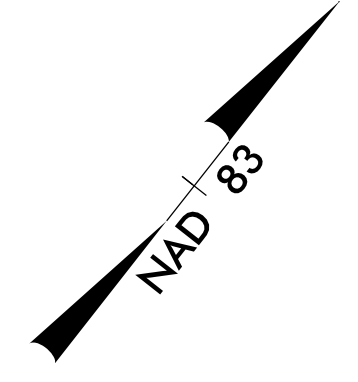
APPROVED: \_\_\_\_\_  
DATE: \_\_\_\_\_

SEAL

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

**PHASE III DETAIL**

TEMPORARY PAVEMENT MARKING		
PAVEMENT MARKING LINES:		
P13	YELLOW DOUBLE CENTER	PAINT (4")
P40	WHITE GORELINE	PAINT (8")
P42	YELLOW DIAGONAL	PAINT (8")
P55	3FT-3FT WHITE MINISKIP	PAINT (12")



I:\3- JUL-2021\10-38  
 P:\5006407\1\CAD\CIVIL\N5737\TrafficControl\TCP\Plans\Alternative\N5737\_TCP\_ICP\_29.dgn  
 AT\_PCOUAT3J  
 abeshears



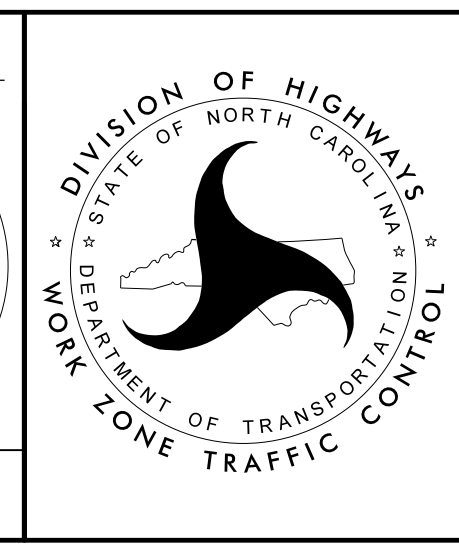
2610 WYCLIFF ROAD  
 SUITE 410  
 RALEIGH, NC 27607  
 PHONE: 919.881.9939  
 NC COA No. F-0929

APPROVED: \_\_\_\_\_

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

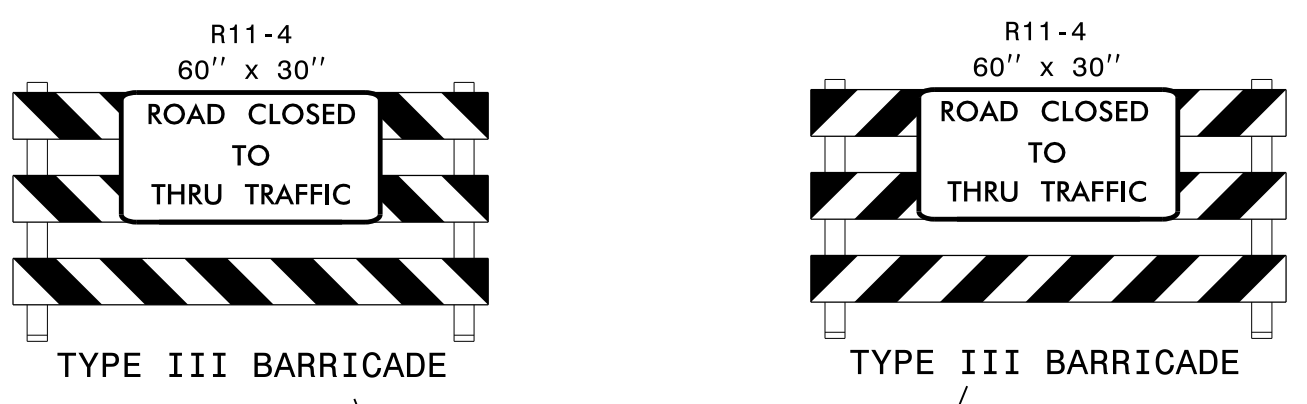
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**DOCUMENT NOT CONSIDERED FINAL  
UNLESS ALL SIGNATURES COMPLETED**

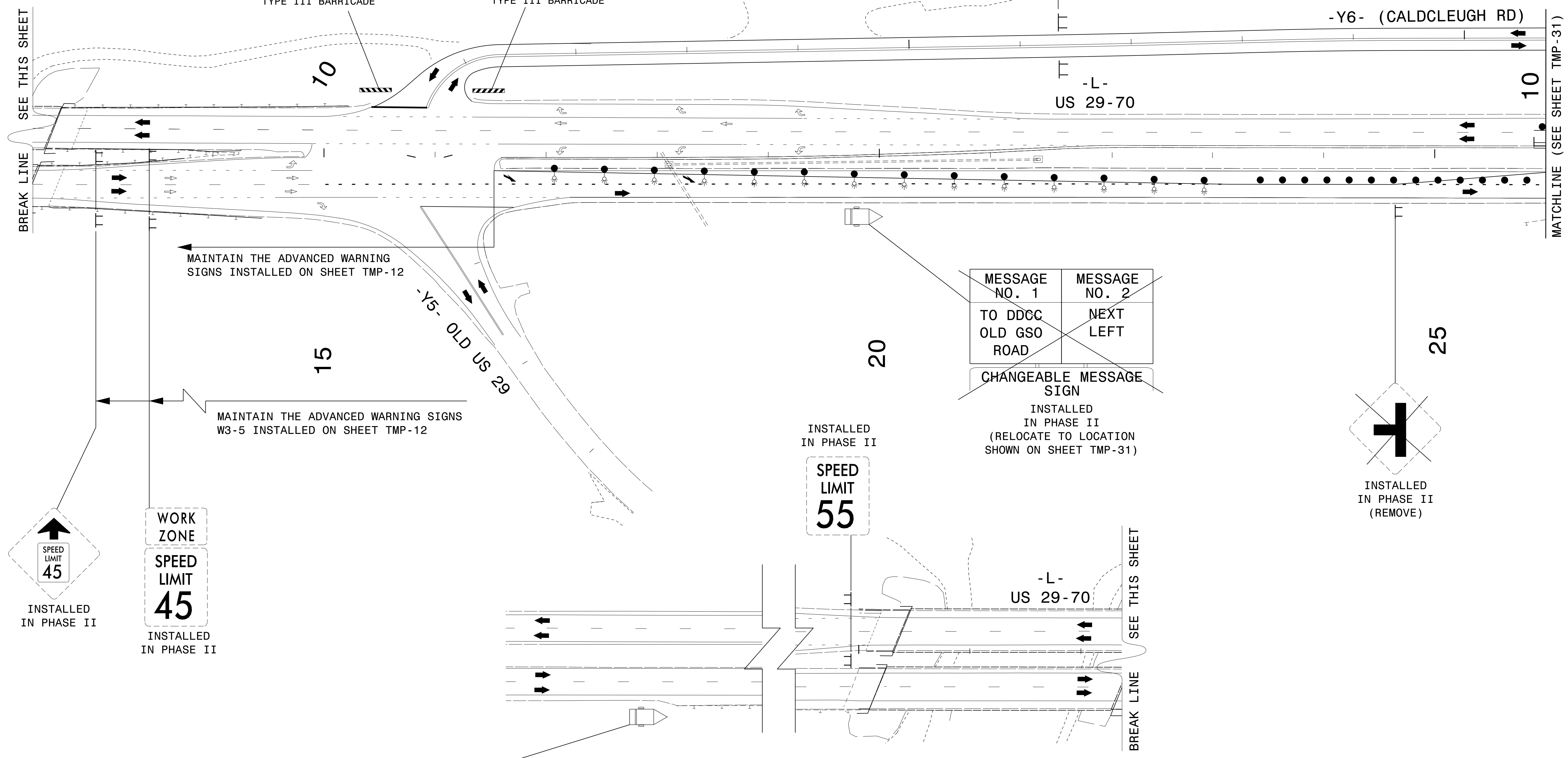
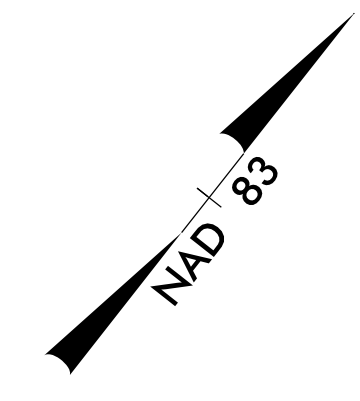


**PHASE III DETAIL**

INSTALLED DURING  
PHASE II  
(REMOVE DURING THIS PHASE AND STEP.  
REINSTALL AT THIS LOCATION FOR WORK  
BEING PERFORMED ON SHEETS TMP-33  
AND TMP-35.)



INSTALLED DURING  
PHASE II (REMOVE)



MAINTAIN THE ADVANCED WARNING  
SIGNS INSTALLED ON SHEET TMP-12

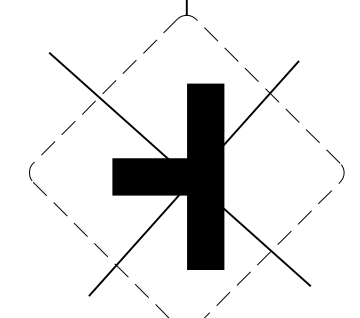
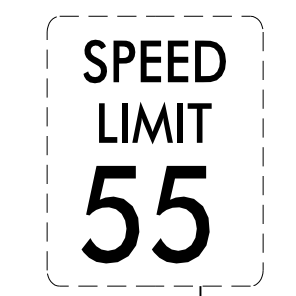
MAINTAIN THE ADVANCED WARNING SIGNS  
W3-5 INSTALLED ON SHEET TMP-12

MESSAGE NO. 1 TO DDCC OLD GSO ROAD	MESSAGE NO. 2 NEXT LEFT
---	-------------------------------

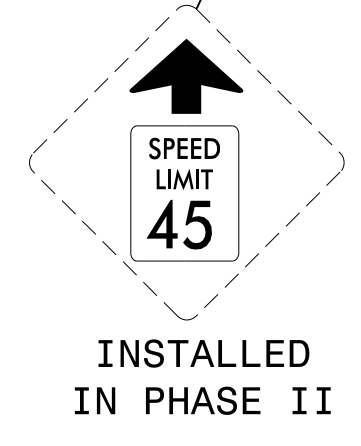
CHANGEABLE MESSAGE  
SIGN

INSTALLED  
IN PHASE II  
(RELOCATE TO LOCATION  
SHOWN ON SHEET TMP-31)

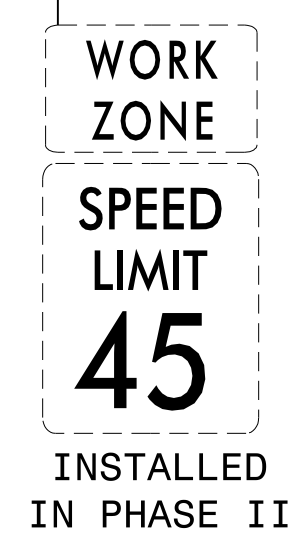
INSTALLED  
IN PHASE II



INSTALLED  
IN PHASE II  
(REMOVE)



INSTALLED  
IN PHASE II



INSTALLED  
IN PHASE II

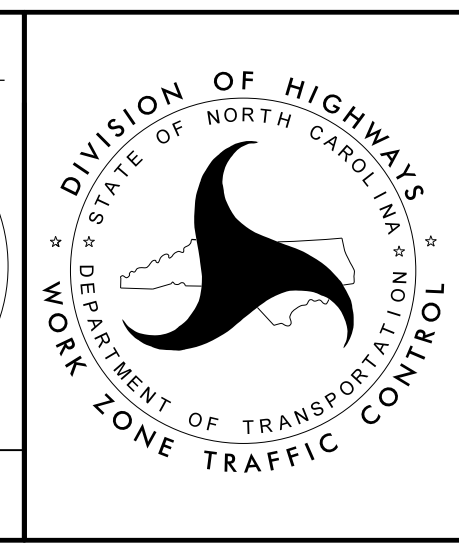
MESSAGE NO. 1 NEW CLOSER ACCESS	MESSAGE NO. 2 FOR DDCC OLD GSO ROAD
--	--

CHANGEABLE MESSAGE  
SIGN

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

SEAL

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



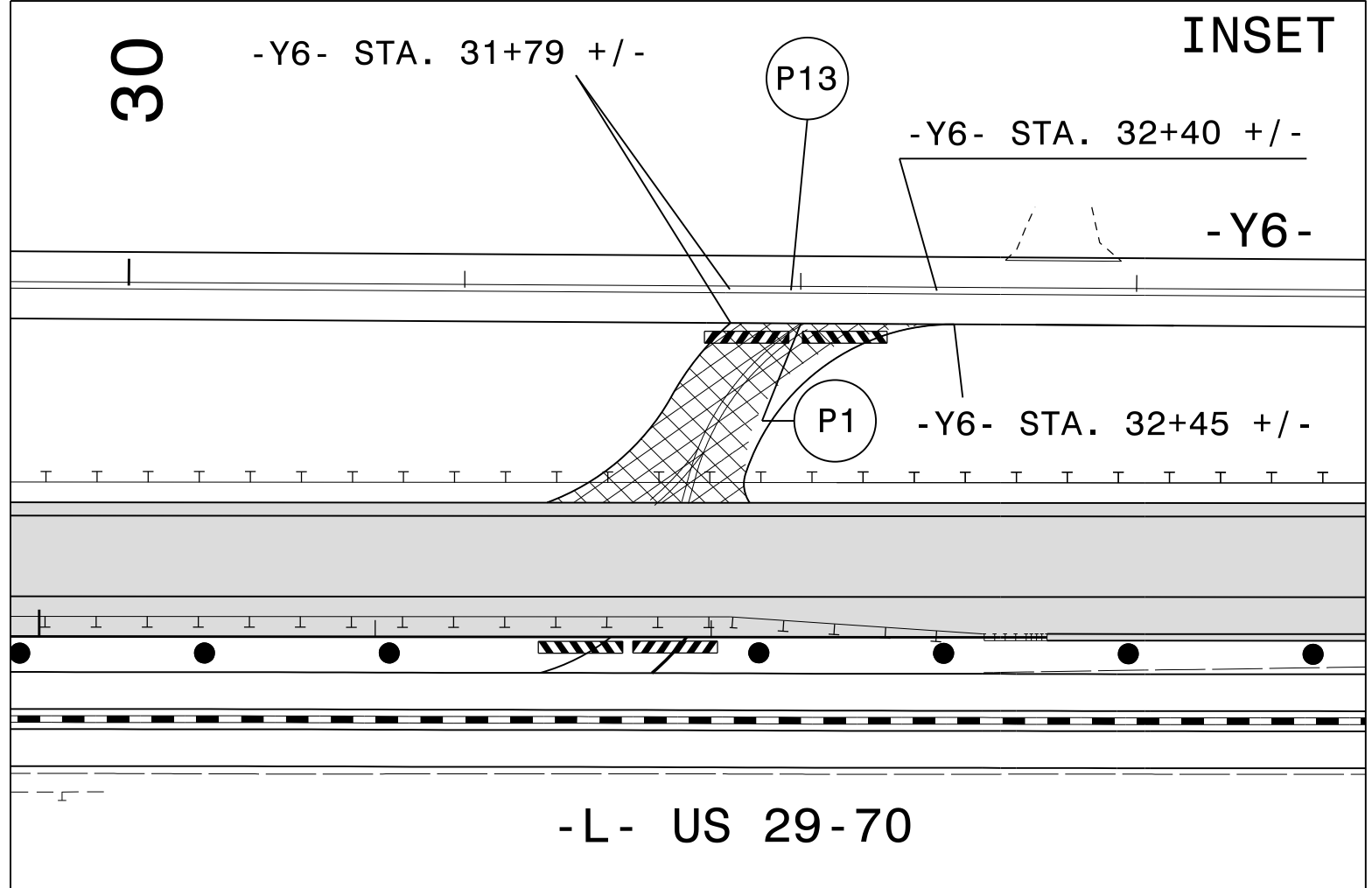
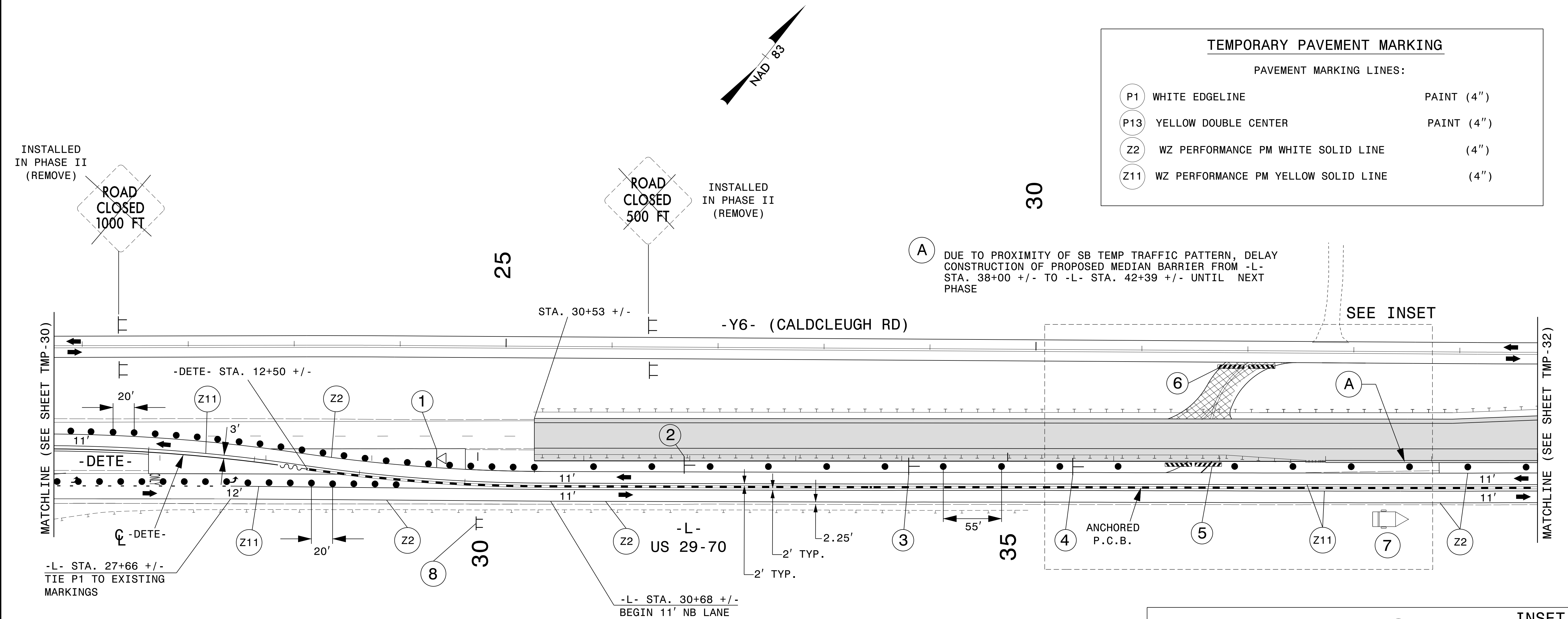
**PHASE III DETAIL**

2610 WYCLIFF ROAD  
SUITE 410  
RALEIGH, NC 27607  
PHONE: 919.881.9939  
NC COA No. F-0929

13-JUL-2021 10:38  
 P:\5006407\CAD\CIVIL\5737\TrafficControl\Plans\Alternative\5737\_TCP\_TCP\_30.dgn  
 AT PCQUAT3J  
 abeshears



TEMPORARY PAVEMENT MARKING	
PAVEMENT MARKING LINES:	
P1	WHITE EDGELINE PAINT (4")
P13	YELLOW DOUBLE CENTER PAINT (4")
Z2	WZ PERFORMANCE PM WHITE SOLID LINE (4")
Z11	WZ PERFORMANCE PM YELLOW SOLID LINE (4")



1

3

DCCC RD

OLD GREENSBORO ROAD

DETOUR

←

INSTALLLED IN PHASE II (REMOVE)

2

4

ONLY ONLY

INSTALLLED IN PHASE II (REMOVE)

5

6

R11-2  
48" x 30"

ROAD CLOSED

TYPE III BARRICADE(S)

7

MESSAGE NO. 1	MESSAGE NO. 2
TO DDCC OLD GSO ROAD	NEXT EXIT

CHANGEABLE MESSAGE SIGN

8

Davidson Co  
Comm College  
NEXT LEFT

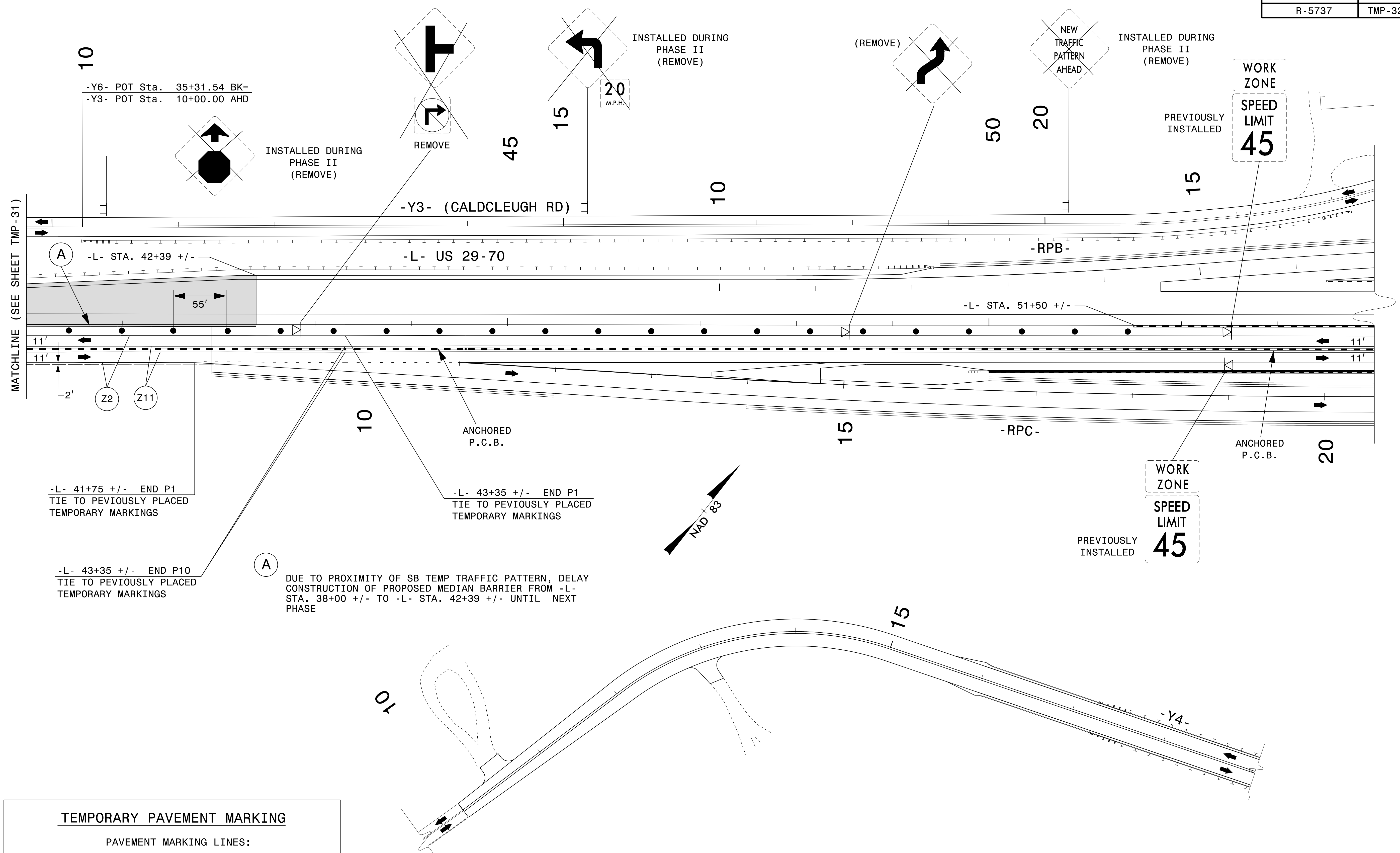
REMOVE

APPROVED: _____			<p><b>PHASE III DETAIL</b></p>
DATE: _____			
SEAL			
<p><b>DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED</b></p>			

**Dewberry**

2610 WYCLIFF ROAD  
SUITE 410  
RALEIGH, NC 27607  
PHONE: 919.881.9939  
NC COA No. F-0929

13-JUL-2021 10:38  
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 abeshears AT PC00113J

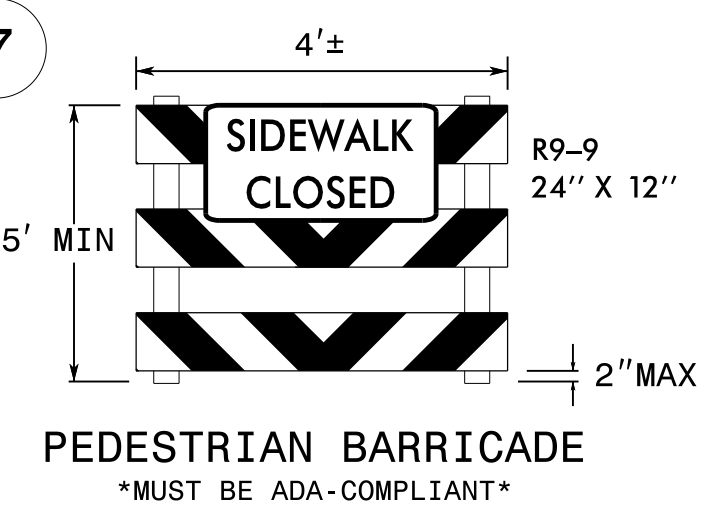
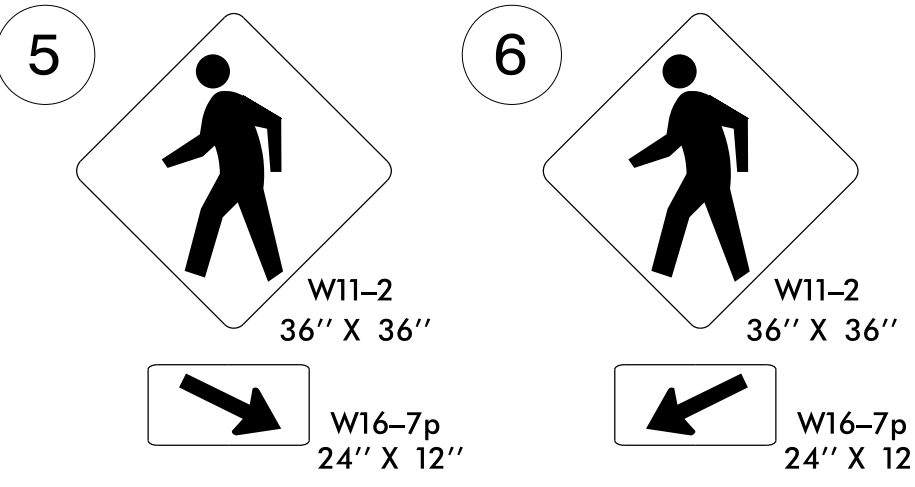
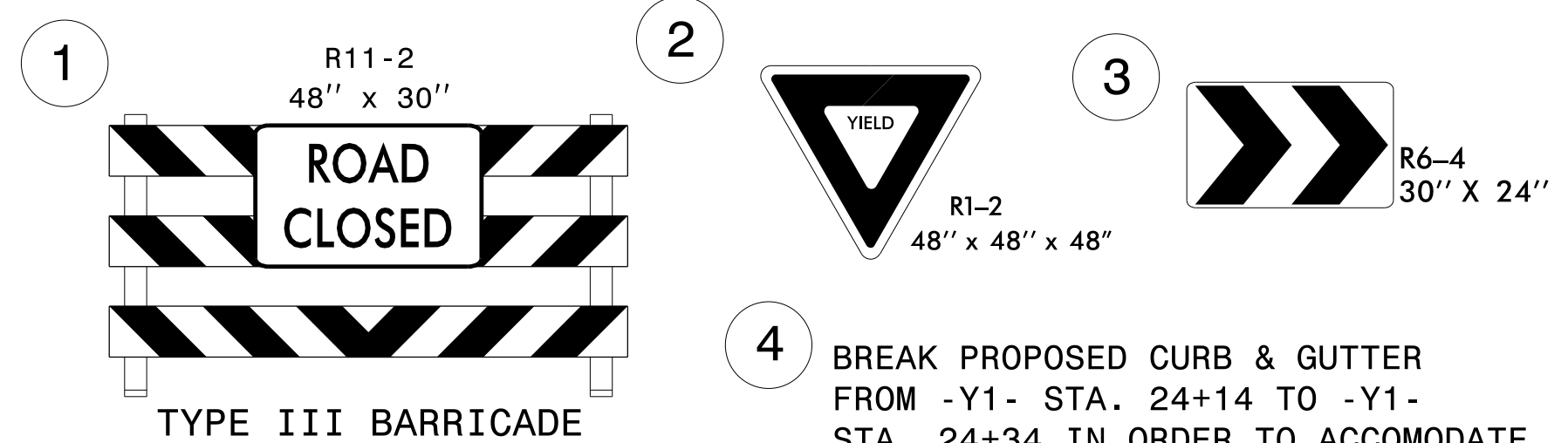


TEMPORARY PAVEMENT MARKING		
PAVEMENT MARKING LINES:		
Z2	WZ PERFORMANCE PM WHITE SOLID LINE	(4")
Z11	WZ PERFORMANCE PM YELLOW SOLID LINE	(4")

I3-JUL-2021 10:38  
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 AT\_PCOUAT3J  
 abeshears

2610 WYCLIFF ROAD  
 SUITE 410  
 RALEIGH, NC 27607  
 PHONE: 919.881.9939  
 NC COA No. F-0929

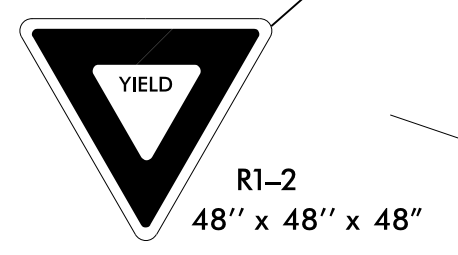
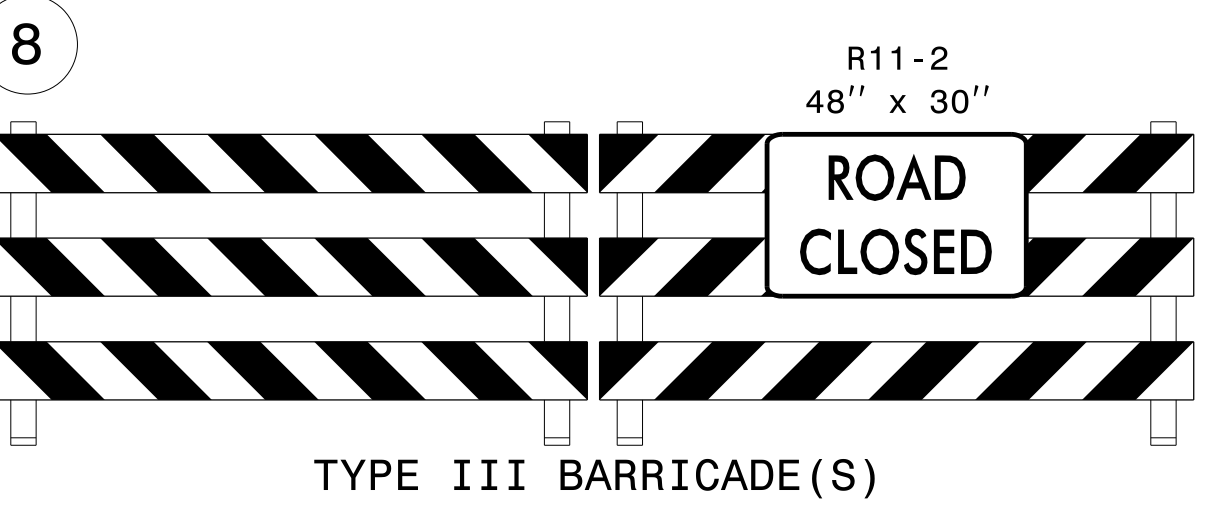
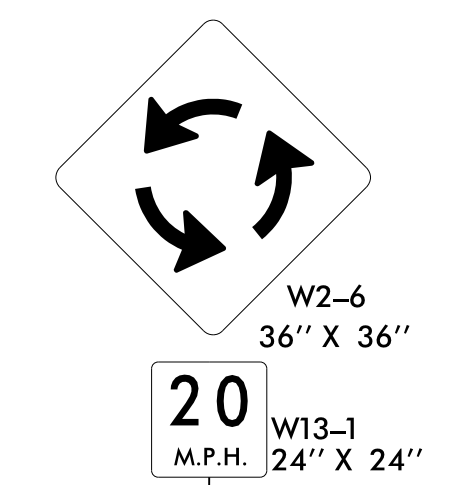
APPROVED: _____			<h2>PHASE III DETAIL</h2>
DATE: _____			
SEAL	<p><b>DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED</b></p>		



4 BREAK PROPOSED CURB & GUTTER FROM -Y1- STA. 24+14 TO -Y1- STA. 24+34 IN ORDER TO ACCOMODATE THE PHASE III, STEP 3 TEMPORARY DRIVEWAY CONNECTION

RETAIN PHASE II DETOUR AND USE TO MAINTAIN BUSINESS INGRESS AND EGRESS

REINSTALL TYPE III BARRICADES WITH SIGN R11-4 ATTACHED AT THE INTERSECTION OF -Y6- AND -L- AS SHOWN ON SHEET TMP-30.

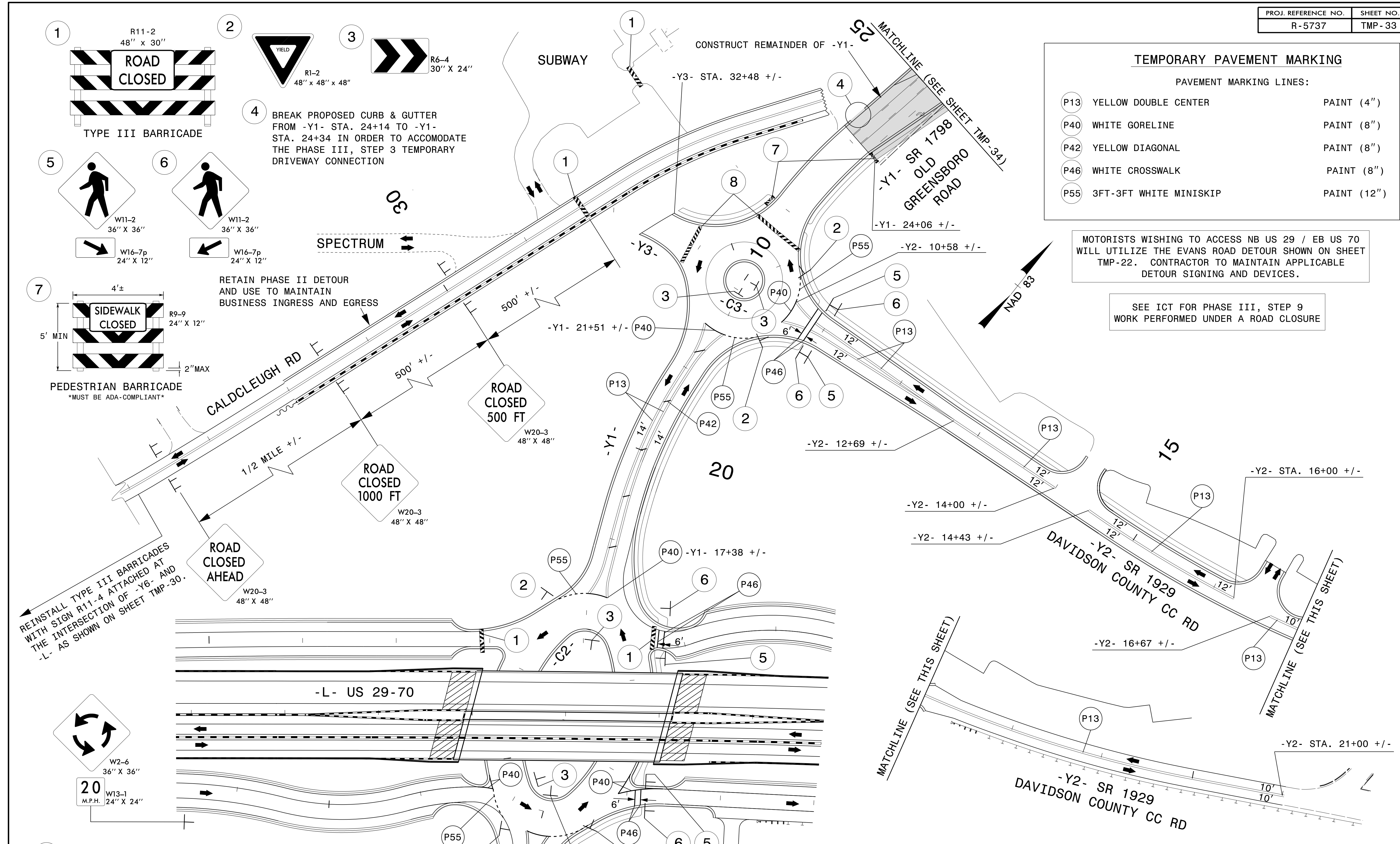


2610 WYCLIFF ROAD  
SUITE 410  
RALEIGH, NC 27607  
PHONE: 919.881.9939  
NC COA No. F-0929

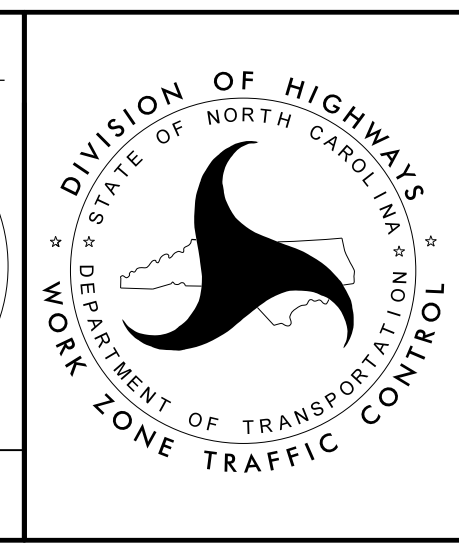
TEMPORARY PAVEMENT MARKING		
PAVEMENT MARKING LINES:		
P13	YELLOW DOUBLE CENTER	PAINT (4")
P40	WHITE GORELINE	PAINT (8")
P42	YELLOW DIAGONAL	PAINT (8")
P46	WHITE CROSSWALK	PAINT (8")
P55	3FT-3FT WHITE MINISKIP	PAINT (12")

MOTORISTS WISHING TO ACCESS NB US 29 / EB US 70 WILL UTILIZE THE EVANS ROAD DETOUR SHOWN ON SHEET TMP-22. CONTRACTOR TO MAINTAIN APPLICABLE DETOUR SIGNING AND DEVICES.

SEE ICT FOR PHASE III, STEP 9 WORK PERFORMED UNDER A ROAD CLOSURE



APPROVED: \_\_\_\_\_  
DATE: \_\_\_\_\_  
SEAL



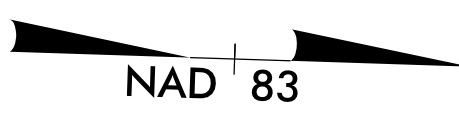
PHASE III DETAIL

DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED

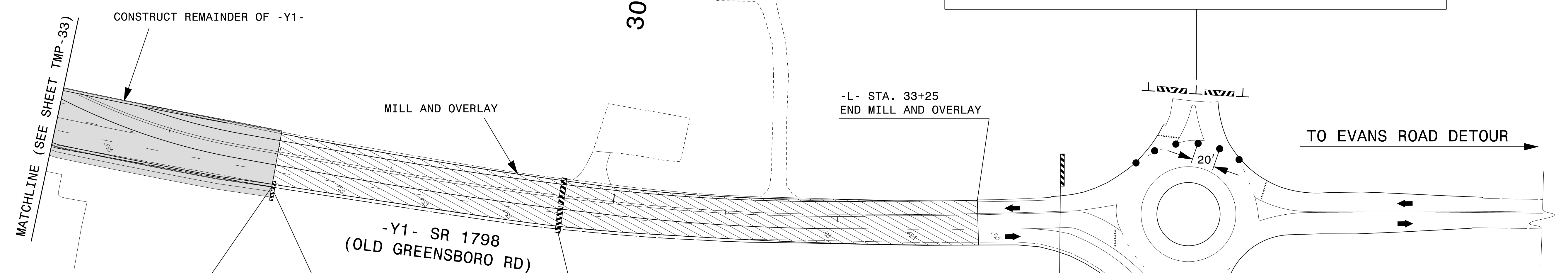
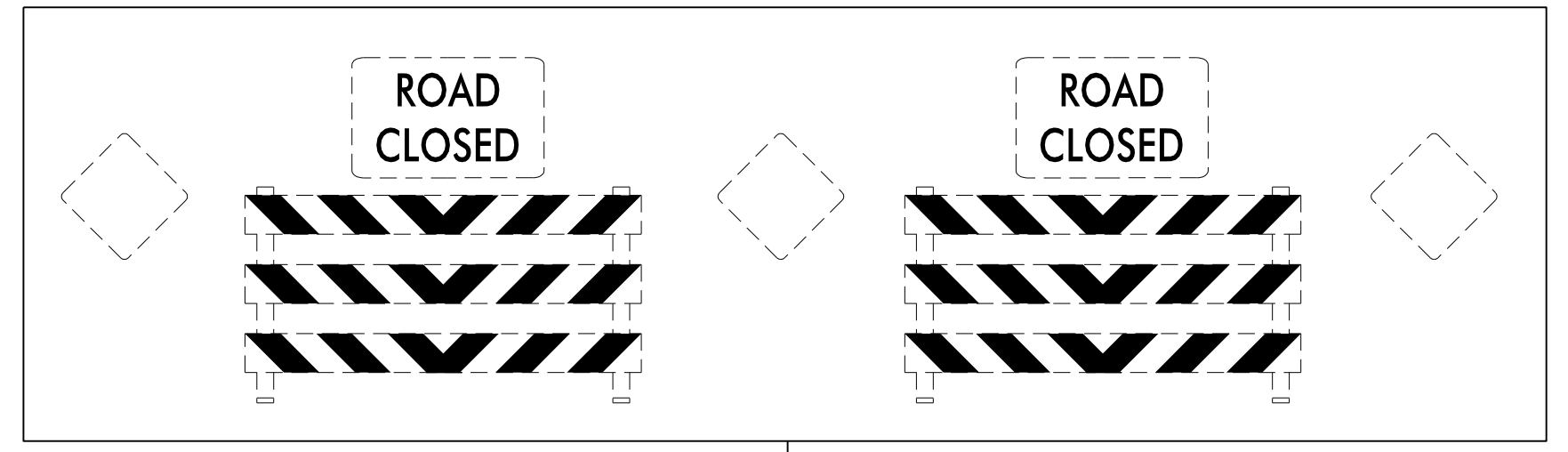
04-AUG-2021 08:46 P:\50064071\CAD\CIVIL\5737\TrafficControl\Plans\Alternative\5737\_TCP\_ICP\_33.dgn AT PF2JAC4N mlshok

SEE ICT FOR WORK THIS SHEET PERFORMED UNDER A ROAD CLOSURE

SEE SHEET TMP-36 FOR TEMPORARY MARKINGS



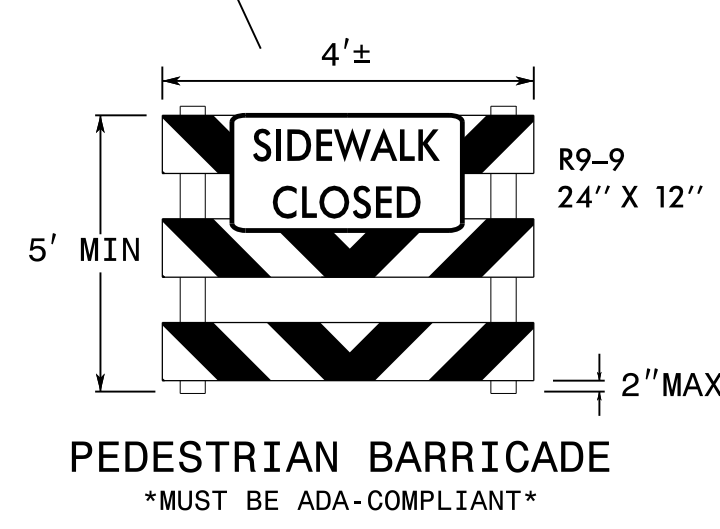
RETAIN EXISTING BARRICADES AND END-OF-ROAD SIGNS



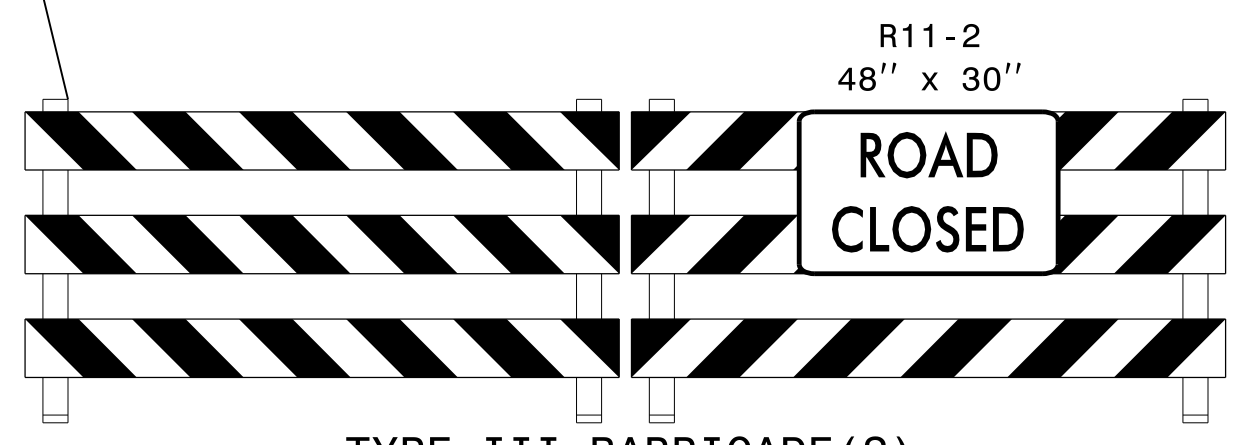
-Y1- POT 26+98  
END CURB & GUTTER  
BEGIN MILL & OVERLAY

-Y1- SR 1798  
(OLD GREENSBORO RD)

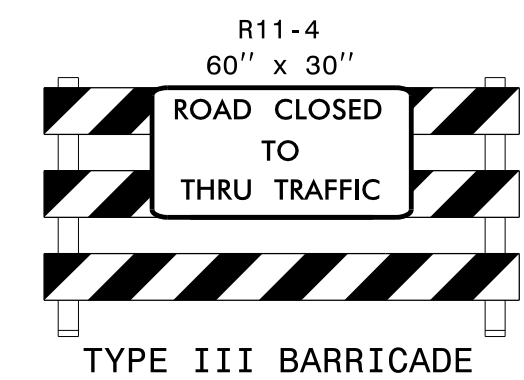
-L- STA. 33+25  
END MILL AND OVERLAY



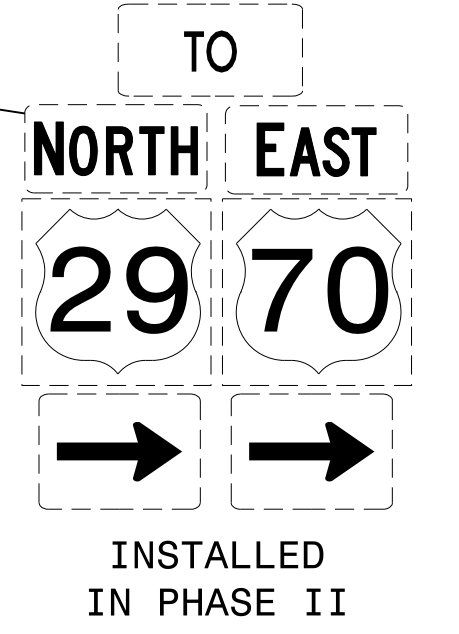
PEDESTRIAN BARRICADE  
\*MUST BE ADA-COMPLIANT\*



TYPE III BARRICADE(S)



TYPE III BARRICADE



MOTORISTS WISHING TO ACCESS NB US 29 / EB US 70 WILL UTILIZE THE EVANS ROAD DETOUR SHOWN ON SHEET TMP-22. CONTRACTOR TO MAINTAIN APPLICABLE DETOUR SIGNING AND DEVICES.

04-AUG-2021 08:47 P:\5005407\CAD\CIVIL\5737\Traffic\TrafficControl\Plans\Alternative\5737\_TCP\_TCP\_34.dgn AT PF2JAC4N mlshok

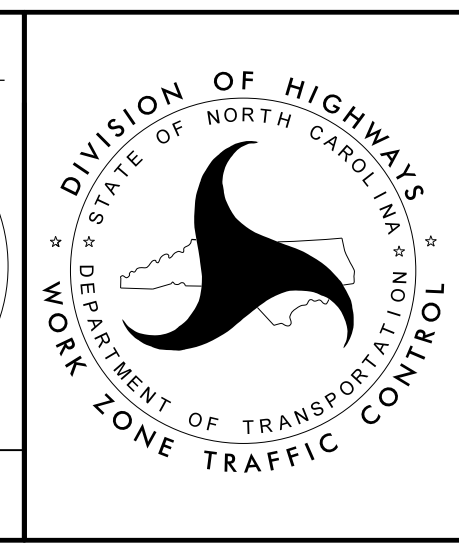


2610 WYCLIFF ROAD  
SUITE 410  
RALEIGH, NC 27607  
PHONE: 919.881.9939  
NC COA No. F-0929

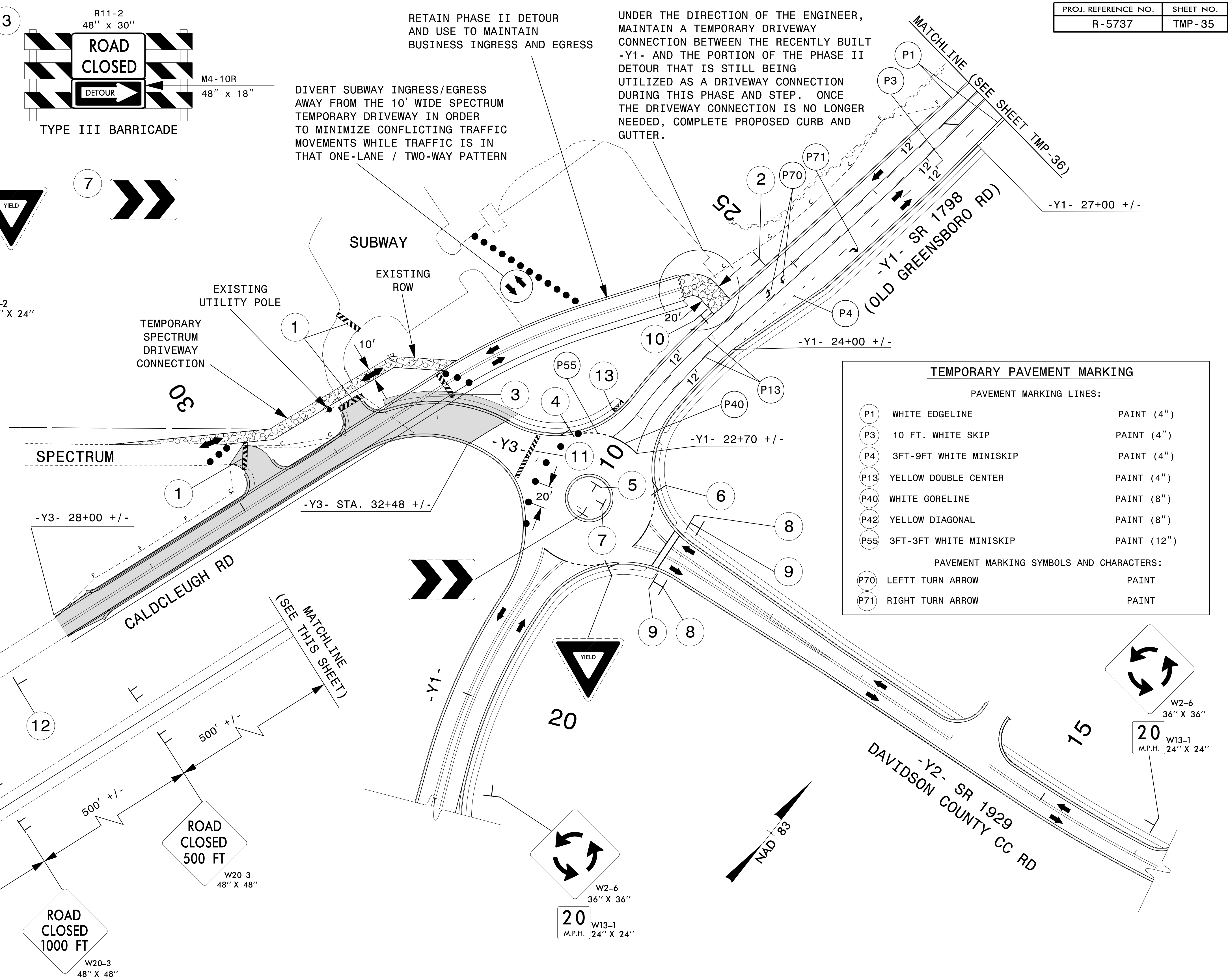
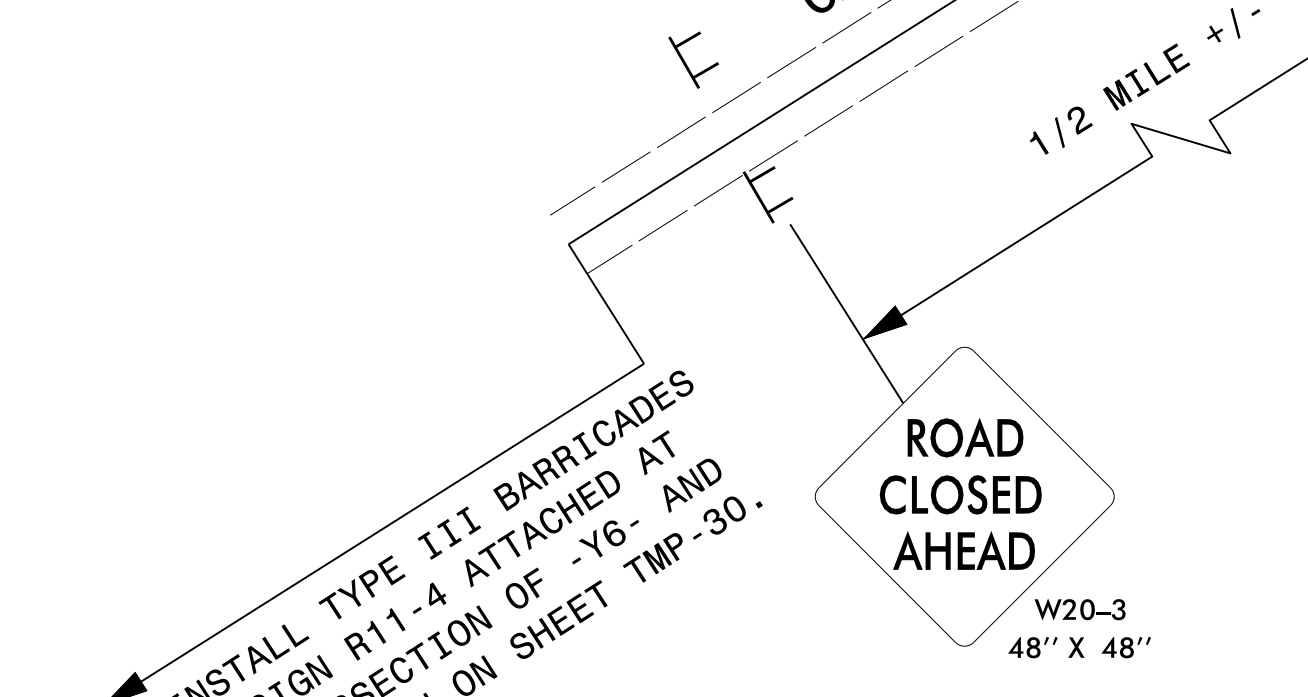
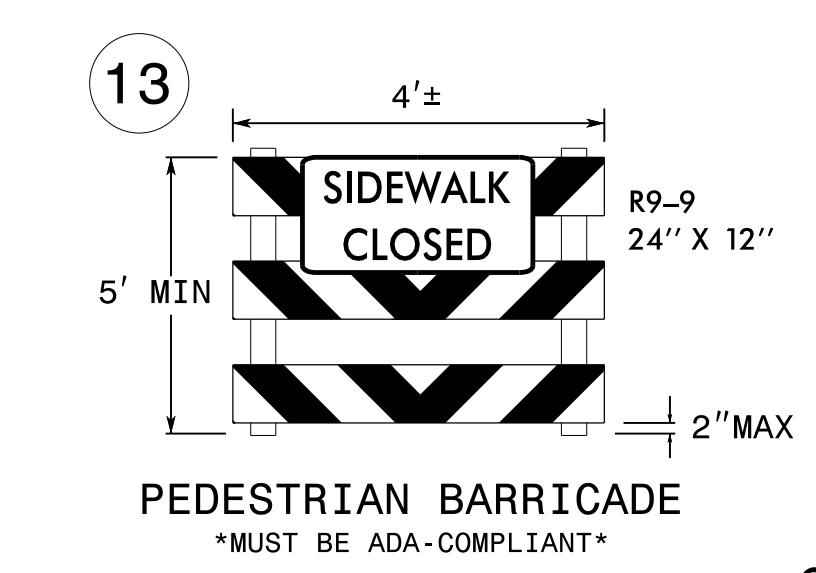
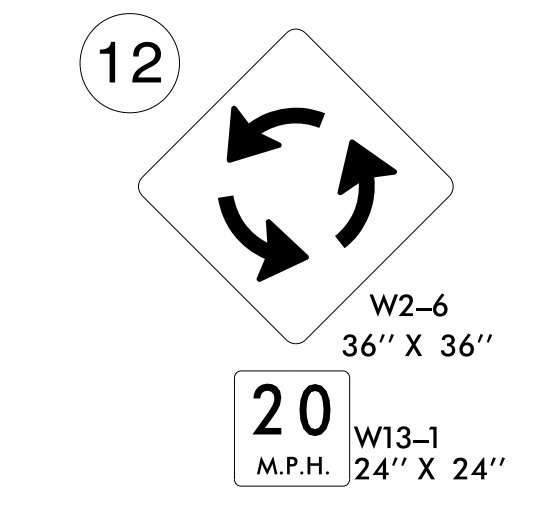
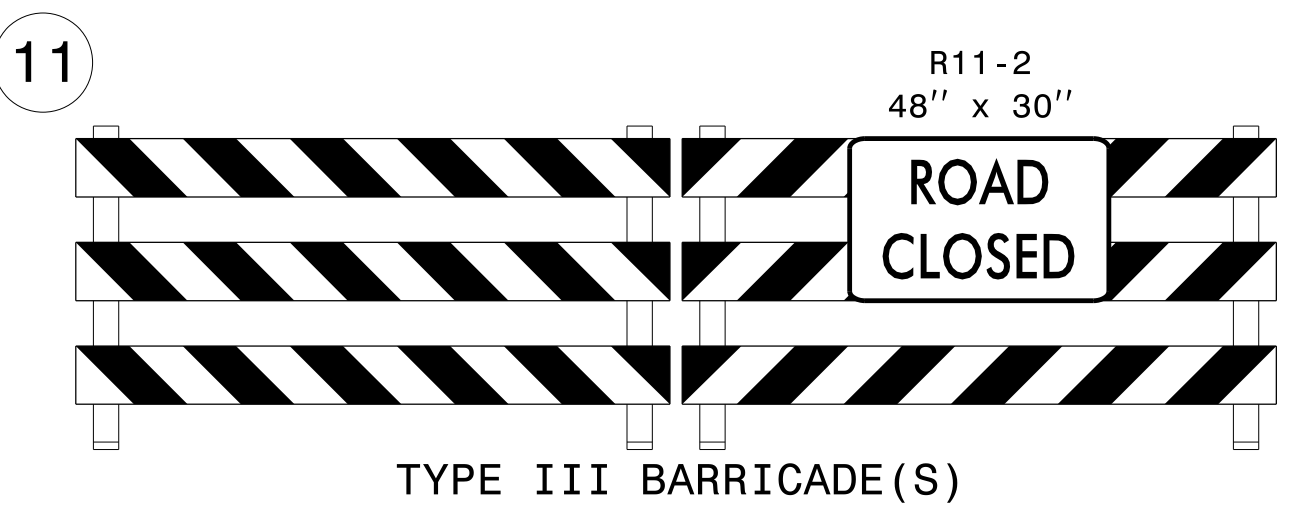
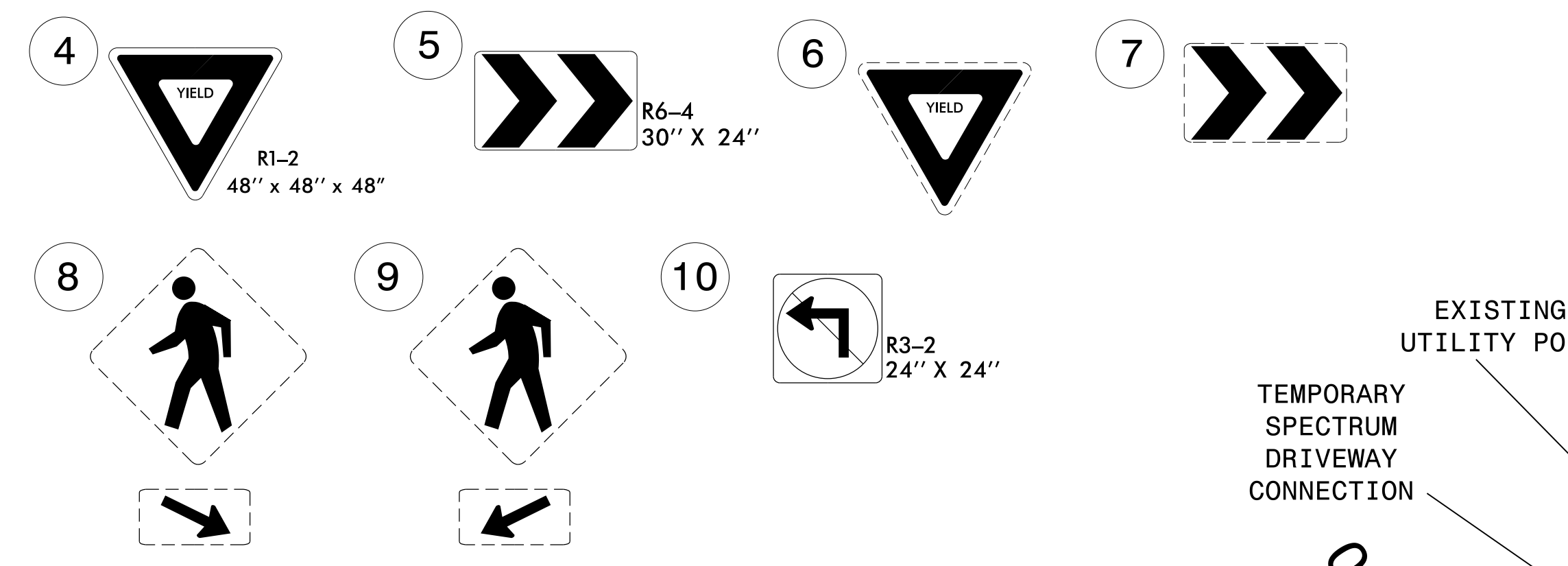
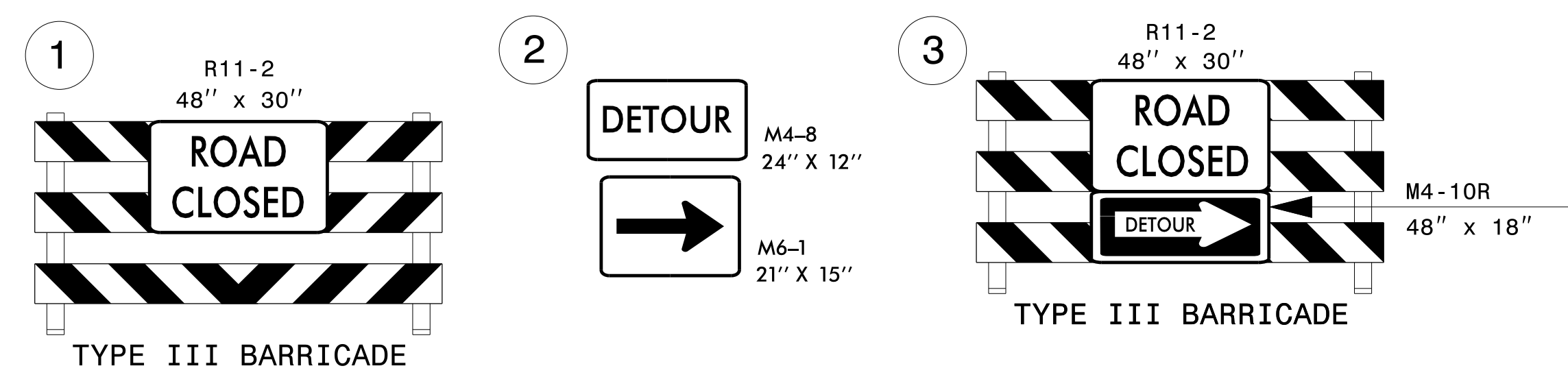
APPROVED: \_\_\_\_\_  
DATE: \_\_\_\_\_

SEAL

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



**PHASE III DETAIL**



RETAIN PHASE II DETOUR AND USE TO MAINTAIN BUSINESS INGRESS AND EGRESS

DIVERT SUBWAY INGRESS/EGRESS AWAY FROM THE 10' WIDE SPECTRUM TEMPORARY DRIVEWAY IN ORDER TO MINIMIZE CONFLICTING TRAFFIC MOVEMENTS WHILE TRAFFIC IS IN THAT ONE-LANE / TWO-WAY PATTERN

UNDER THE DIRECTION OF THE ENGINEER, MAINTAIN A TEMPORARY DRIVEWAY CONNECTION BETWEEN THE RECENTLY BUILT -Y1- AND THE PORTION OF THE PHASE II DETOUR THAT IS STILL BEING UTILIZED AS A DRIVEWAY CONNECTION DURING THIS PHASE AND STEP. ONCE THE DRIVEWAY CONNECTION IS NO LONGER NEEDED, COMPLETE PROPOSED CURB AND GUTTER.

TEMPORARY PAVEMENT MARKING		
PAVEMENT MARKING LINES:		
P1	WHITE EDGELINE	PAINT (4")
P3	10 FT. WHITE SKIP	PAINT (4")
P4	3FT-9FT WHITE MINISKIP	PAINT (4")
P13	YELLOW DOUBLE CENTER	PAINT (4")
P40	WHITE GORELINE	PAINT (8")
P42	YELLOW DIAGONAL	PAINT (8")
P55	3FT-3FT WHITE MINISKIP	PAINT (12")
PAVEMENT MARKING SYMBOLS AND CHARACTERS:		
P70	LEFT TURN ARROW	PAINT
P71	RIGHT TURN ARROW	PAINT

REINSTALL TYPE III BARRICADES WITH SIGN R11-4 ATTACHED AT THE INTERSECTION OF -Y6- AND -L- AS SHOWN ON SHEET TMP-30.

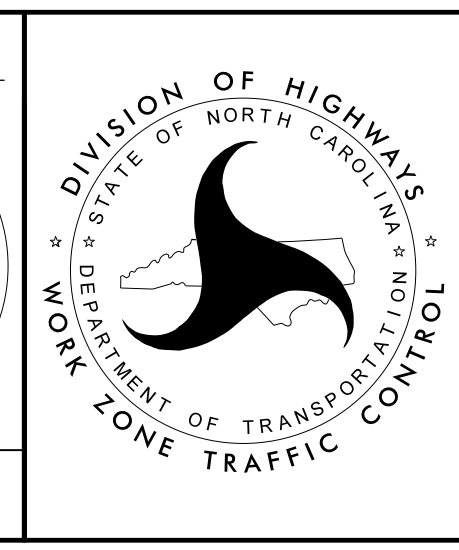


2610 WYCLIFF ROAD  
SUITE 410  
RALEIGH, NC 27607  
PHONE: 919.881.9939  
NC COA No. F-0929

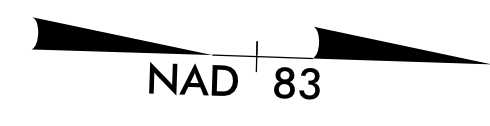
APPROVED: \_\_\_\_\_  
DATE: \_\_\_\_\_

SEAL

DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED

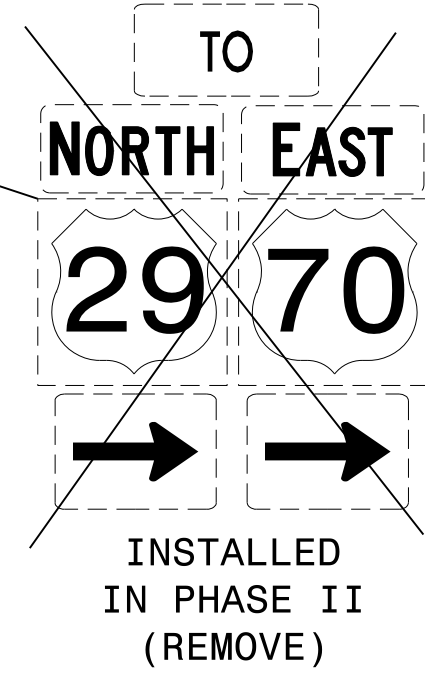
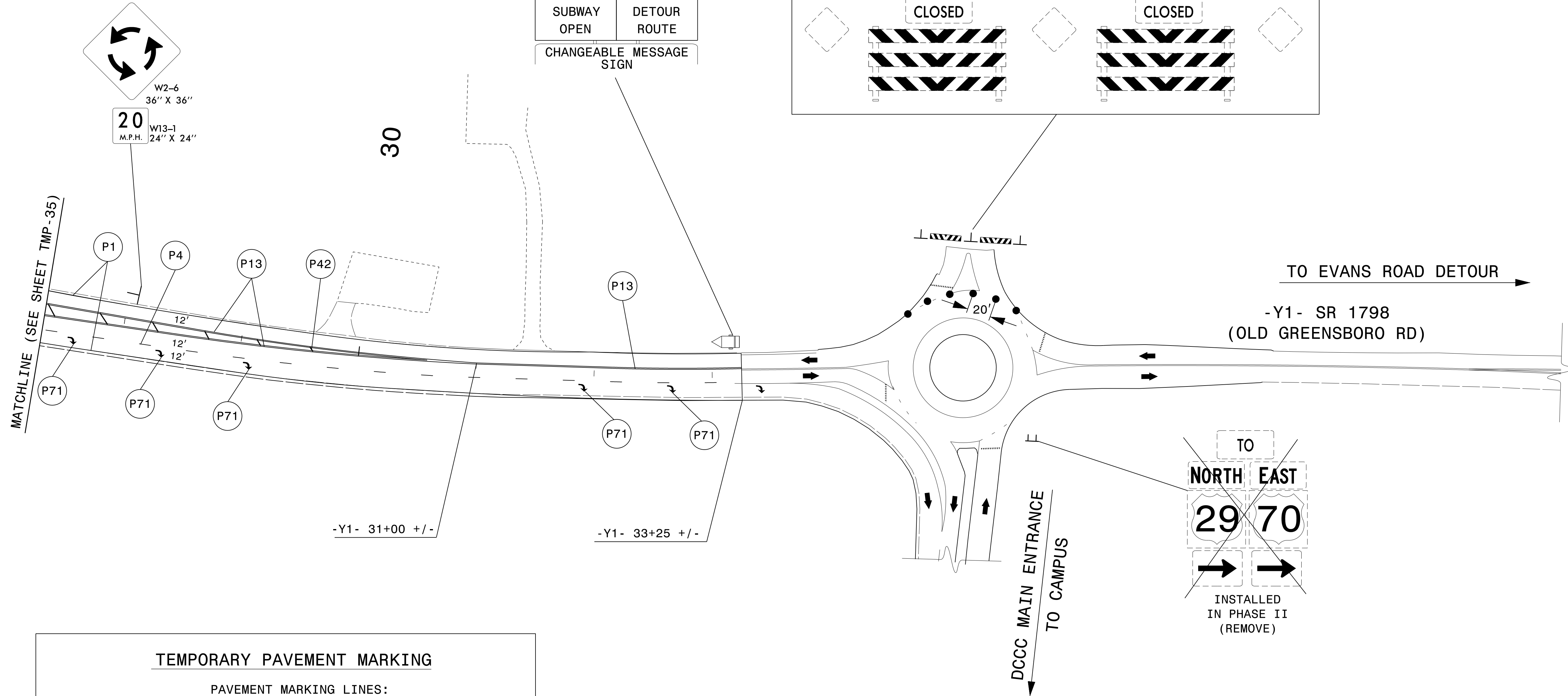
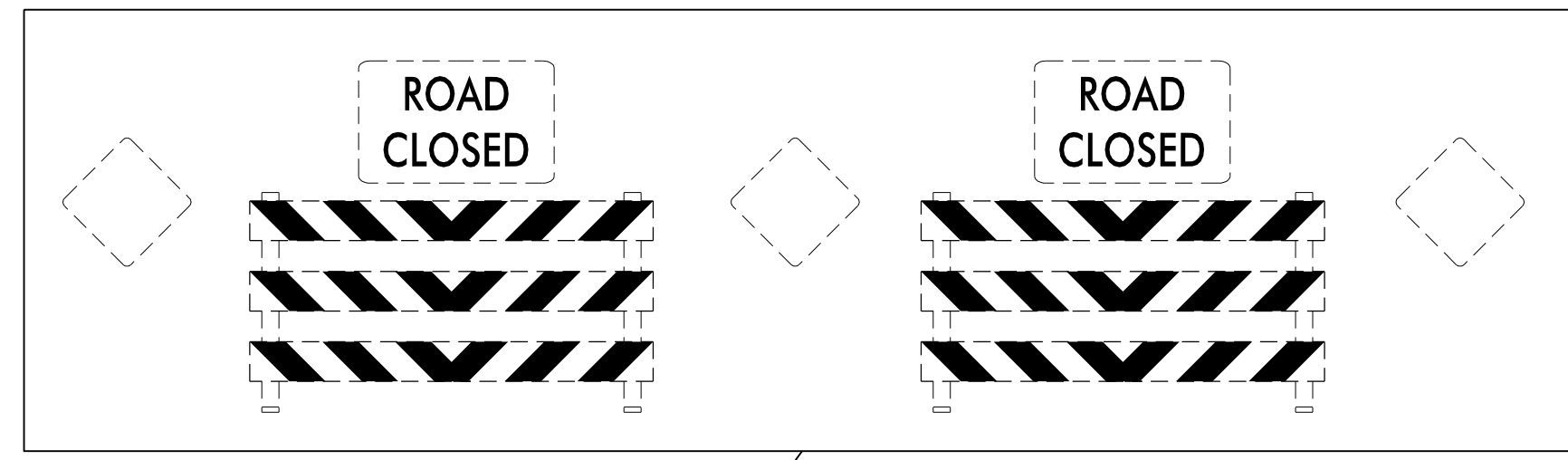


13-JUL-2021 10:38 P:\50064071\CAD\Civil\N5737\TrafficControl\Plans\Alternative\N5737\_TCP\_35.dgn AT PC00113U abeshears



MESSAGE NO. 1	MESSAGE NO. 2
SPECTRUM SUBWAY OPEN	FOLLOW DETOUR ROUTE
CHANGEABLE MESSAGE SIGN	

RETAIN EXISTING BARRICADES AND END-OF-ROAD SIGNS



TEMPORARY PAVEMENT MARKING		
PAVEMENT MARKING LINES:		
(P1)	WHITE EDGELINE	PAINT (4")
(P4)	3FT-9FT WHITE MINISKIP	PAINT (4")
(P13)	YELLOW DOUBLE CENTER	PAINT (4")
(P42)	YELLOW DIAGONAL	PAINT (8")
PAVEMENT MARKING SYMBOLS AND CHARACTERS:		
(P71)	RIGHT TURN ARROW	PAINT

04-AUG-2021 08:48  
 P:\50054071\CAD\CIVIL\5737\TrafficControl\CP\Plans\Alternative\5737\_TCP\_TCP\_36.dgn  
 AT PF2JAC4N  
 mishok

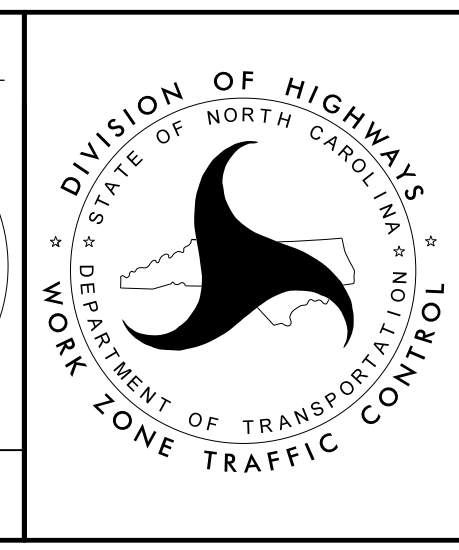


2610 WYCLIFF ROAD  
 SUITE 410  
 RALEIGH, NC 27607  
 PHONE: 919.881.9939  
 NC COA No. F-0929

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

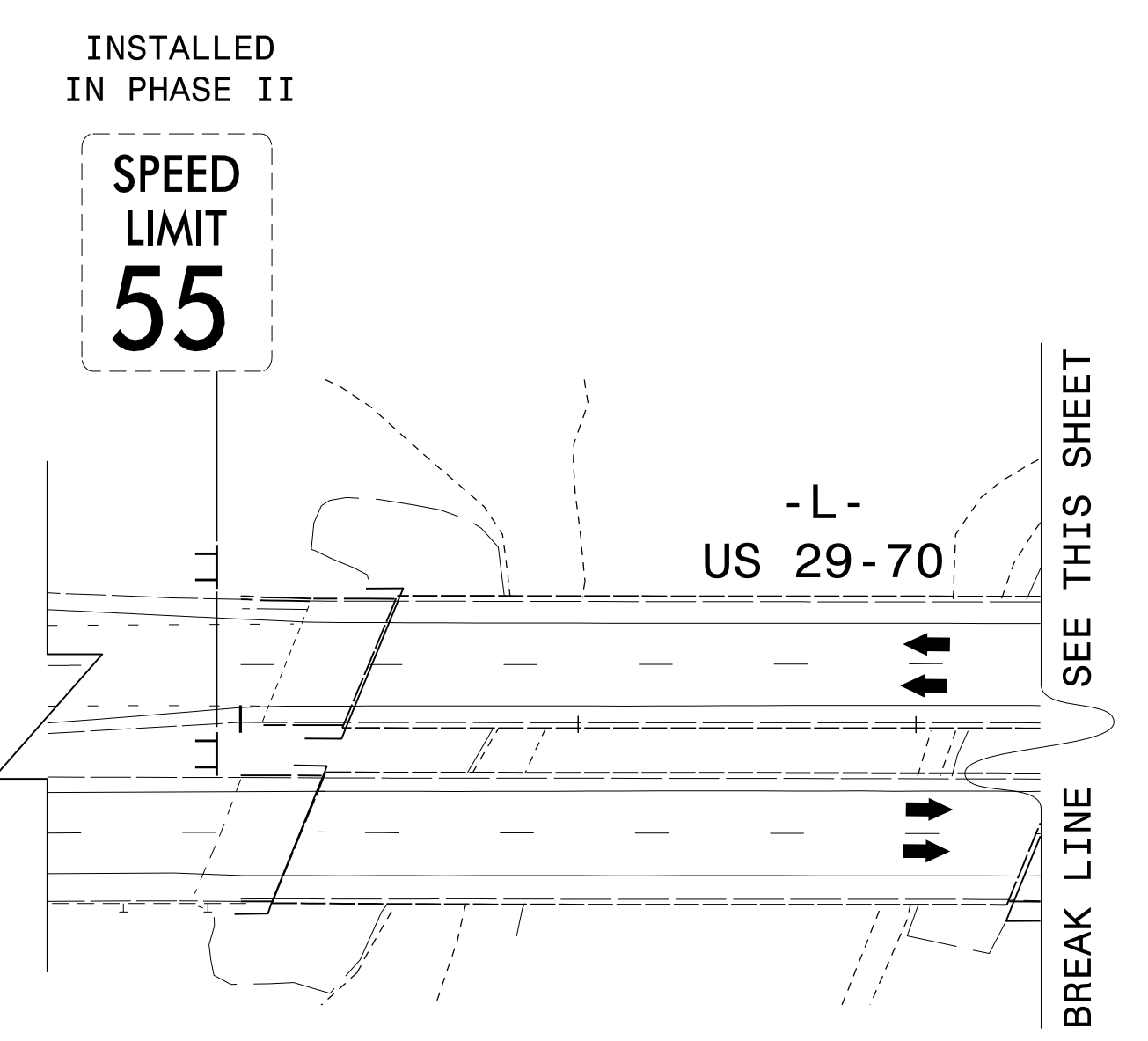
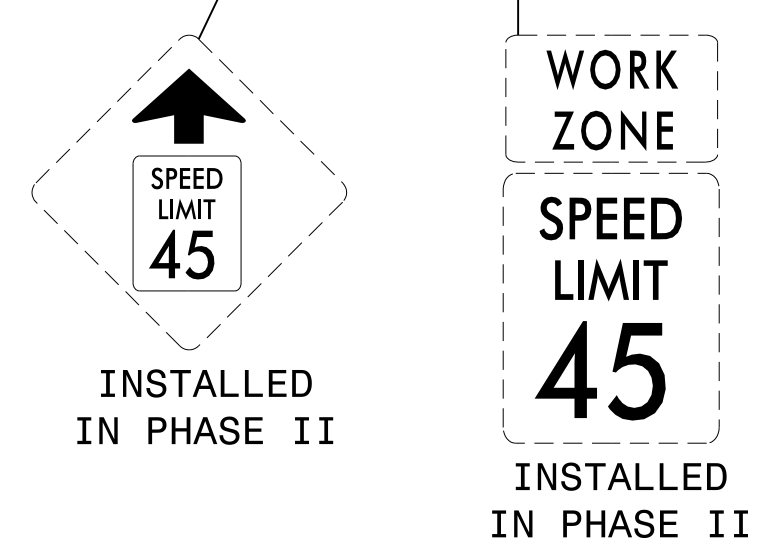
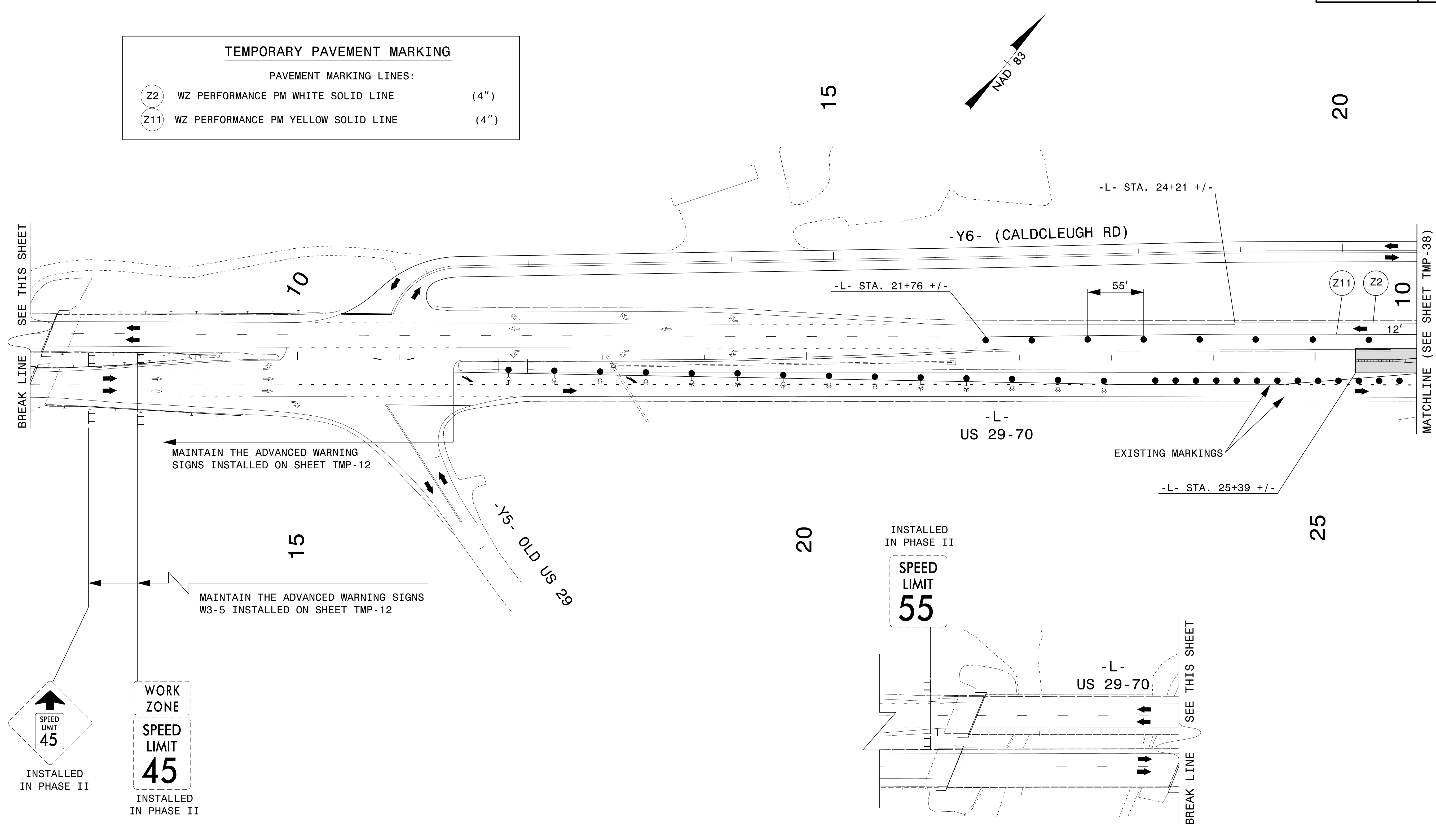
SEAL

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



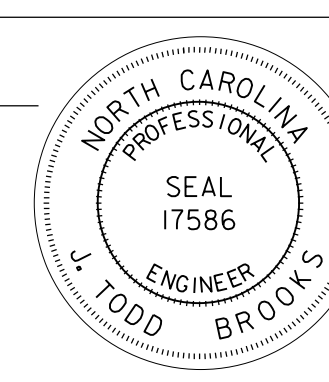
**PHASE III DETAIL**

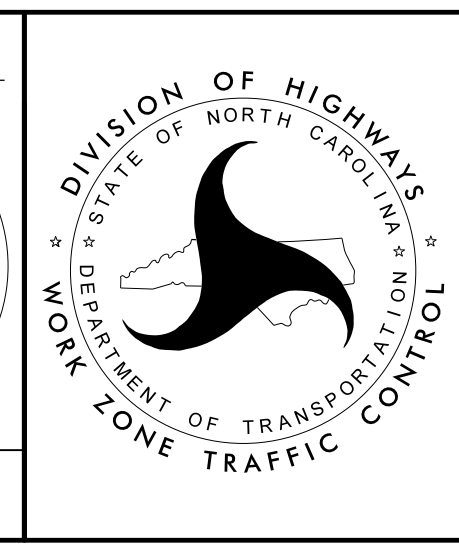
TEMPORARY PAVEMENT MARKING		
PAVEMENT MARKING LINES:		
(Z2)	WZ PERFORMANCE PM WHITE SOLID LINE	(4")
(Z11)	WZ PERFORMANCE PM YELLOW SOLID LINE	(4")



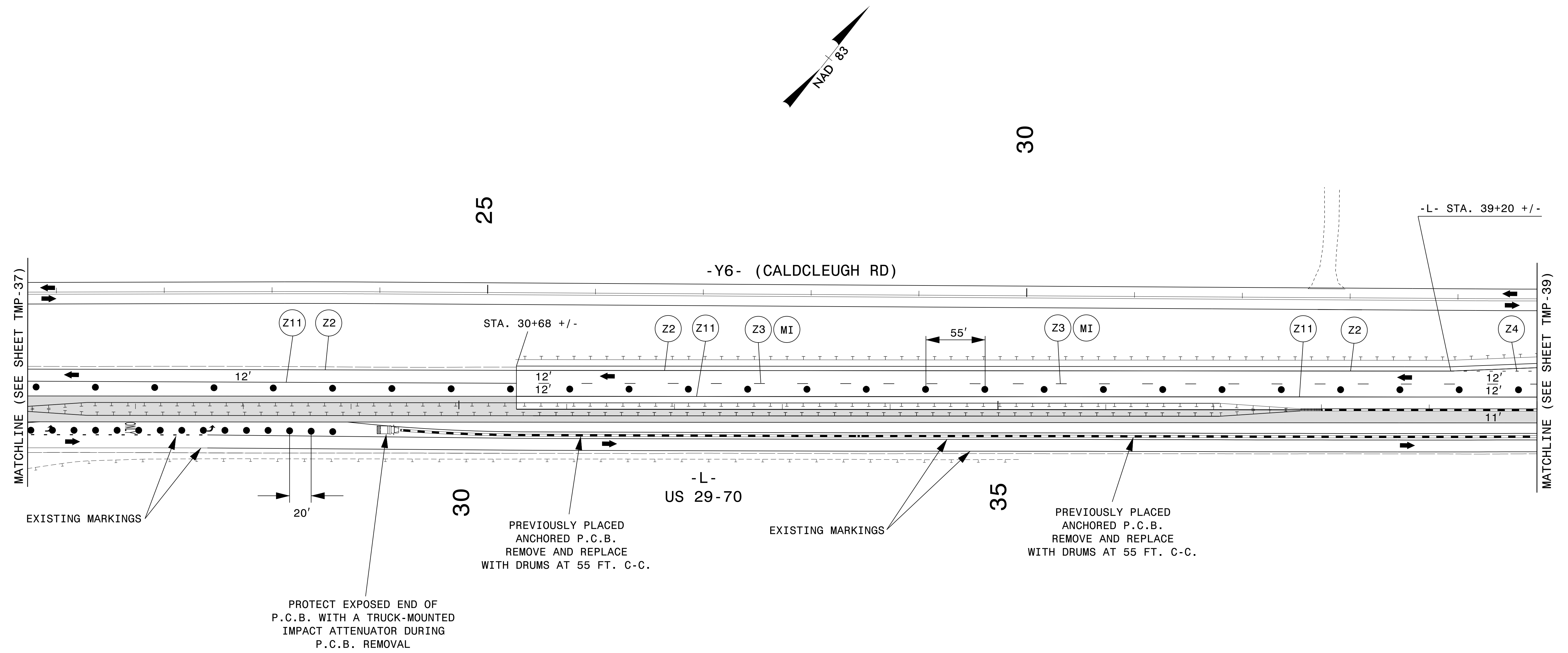
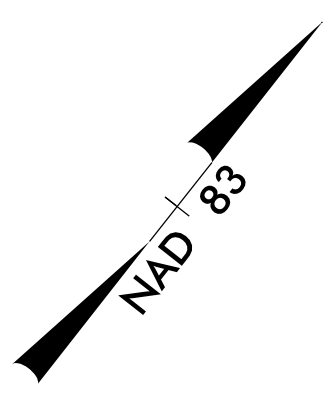
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 P:\5006407\CAD\CIVIL\5737\TrafficControl\TrafficControl\Plans\Alternative\5737\_TCP\_37.dgn  
 AT PC0413J  
 abeshears


**Dewberry**  
 2610 WYCLIFF ROAD  
 SUITE 410  
 RALEIGH, NC 27607  
 PHONE: 919.881.9939  
 NC COA No. F-0929

APPROVED: \_\_\_\_\_  
 DATE: \_\_\_\_\_  
 SEAL  
  
 DOCUMENT NOT CONSIDERED FINAL  
 UNLESS ALL SIGNATURES COMPLETED



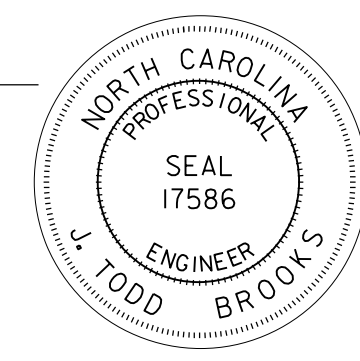
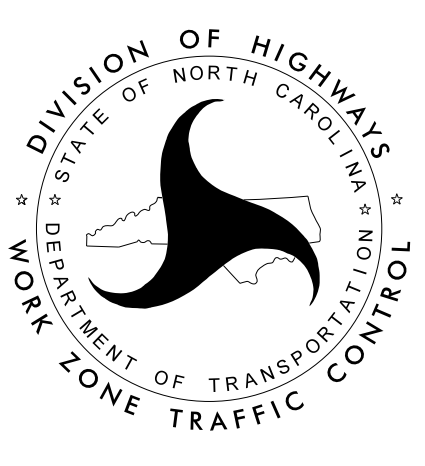
**PHASE IV DETAIL**



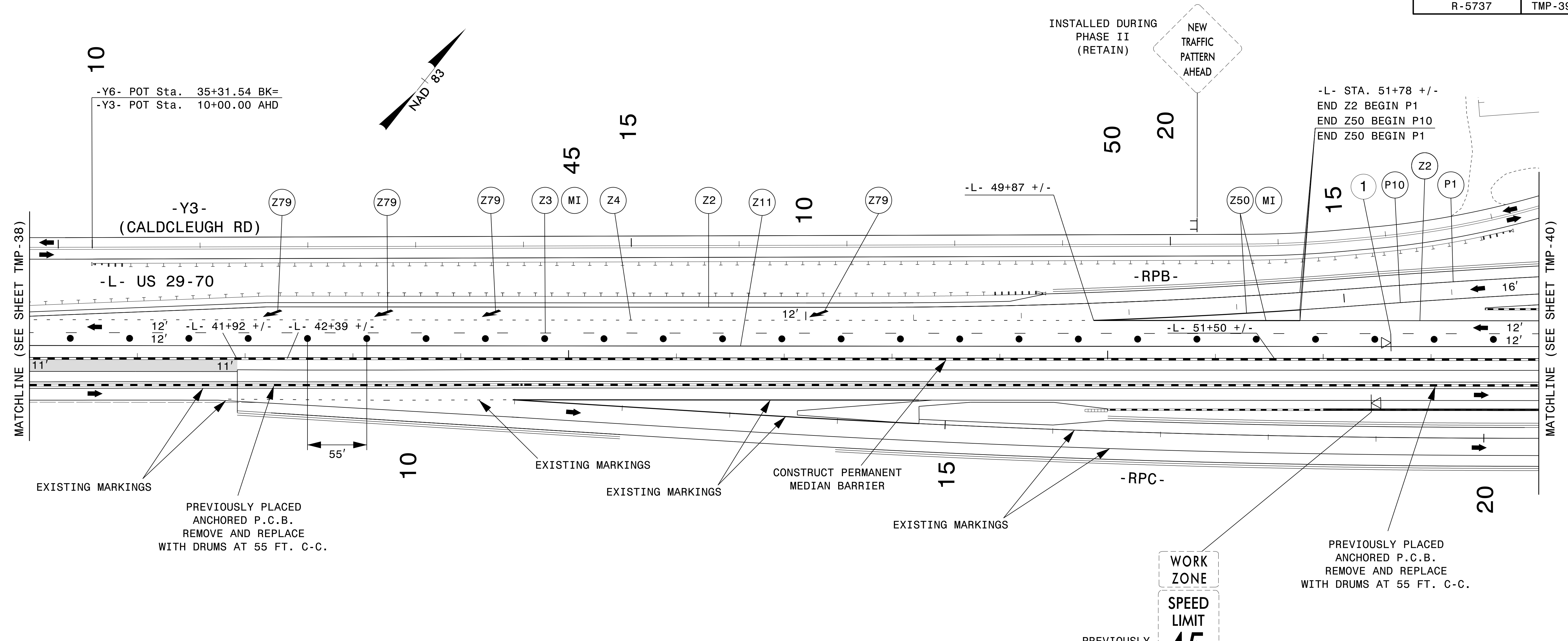
TEMPORARY PAVEMENT MARKING		
PAVEMENT MARKING LINES:		
Z2	WZ PERFORMANCE PM WHITE SOLID LINE	(4")
Z3	WZ PERFORMANCE PM 10 FT WHITE SKIP	(4")
Z4	WZ PERFORMANCE PM 3 FT / 9 FT./SP WHITE MINISKIP	(4")
Z11	WZ PERFORMANCE PM YELLOW SOLID LINE	(4")
PAVEMENT MARKERS:		
MI	CRYSTAL / RED	TEMPORARY RAISED

I:\3-JUL-2021\10-38  
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 AT PC00113J  
 abeshears

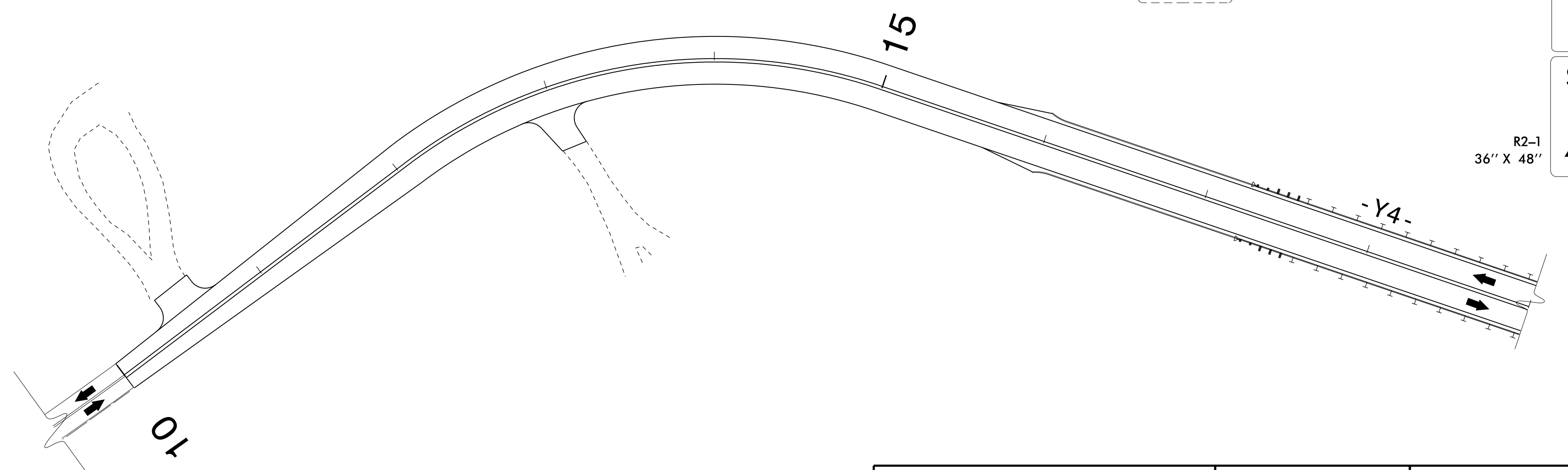

 2610 WYCLIFF ROAD  
 SUITE 410  
 RALEIGH, NC 27607  
 PHONE: 919.881.9939  
 NC COA No. F-0929

APPROVED: _____ DATE: _____ SEAL			<h2>PHASE IV DETAIL</h2>
<b>DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED</b>			





TEMPORARY PAVEMENT MARKING	
PAVEMENT MARKING LINES:	
P1 SOLID WHITE EDGELINE	PAINT (4")
P10 SOLID YELLOW EDGELINE	PAINT (4")
Z2 WZ PERFORMANCE PM WHITE SOLID LINE	(4")
Z3 WZ PERFORMANCE PM 10 FT WHITE SKIP	(4")
Z4 WZ PERFORMANCE PM 3 FT / 9 FT. / SP WHITE MINISKIP	(4")
Z11 WZ PERFORMANCE PM YELLOW SOLID LINE	(4")
Z50 WZ PERFORMANCE PM WHITE GORELINE	(12")
PAVEMENT MARKING SYMBOLS:	
Z79 WZ PERFORMANCE PM MERGE ARROW	
PAVEMENT MARKERS:	
MI CRYSTAL / RED	TEMPORARY RAISED



03-AUG-2021 16:16  
 P:\5005407\CA0\CIVIL\5737\TrafficControl\CP\Plans\Alternative\5737\_TCP\_ICP\_39.dgn  
 AT PF2JAC4N  
 mlshok



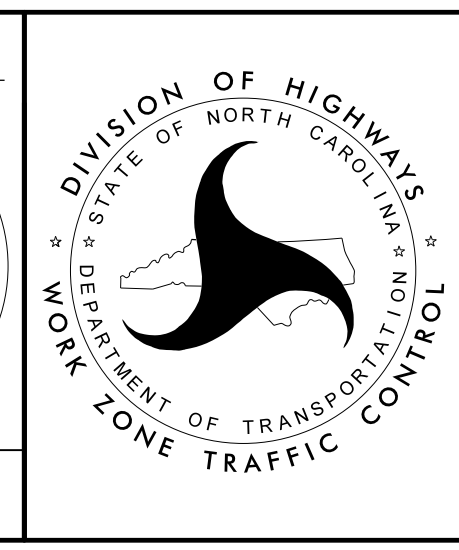
2610 WYCLIFF ROAD  
 SUITE 410  
 RALEIGH, NC 27607  
 PHONE: 919.881.9939  
 NC COA No. F-0929

APPROVED: \_\_\_\_\_

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

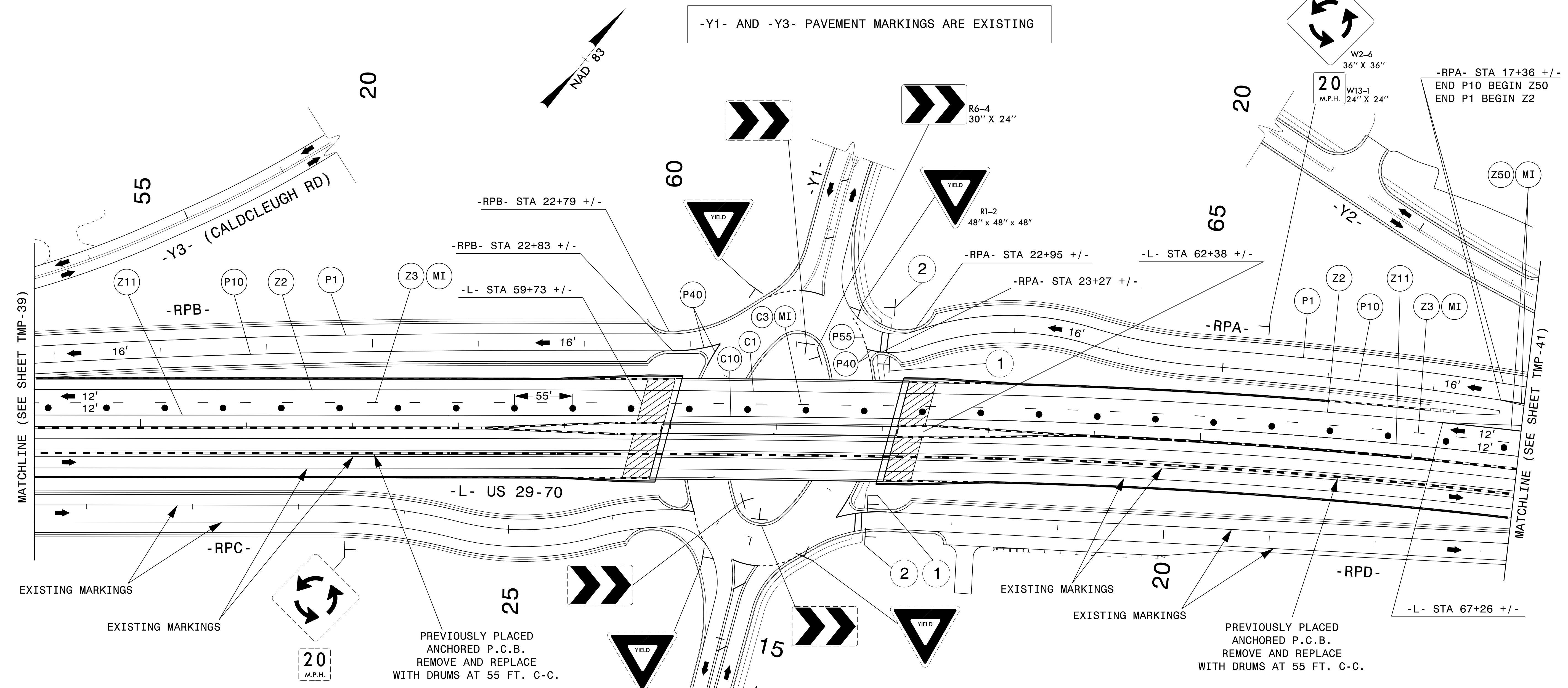
SEAL

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



**PHASE IV DETAIL**

-Y1- AND -Y3- PAVEMENT MARKINGS ARE EXISTING

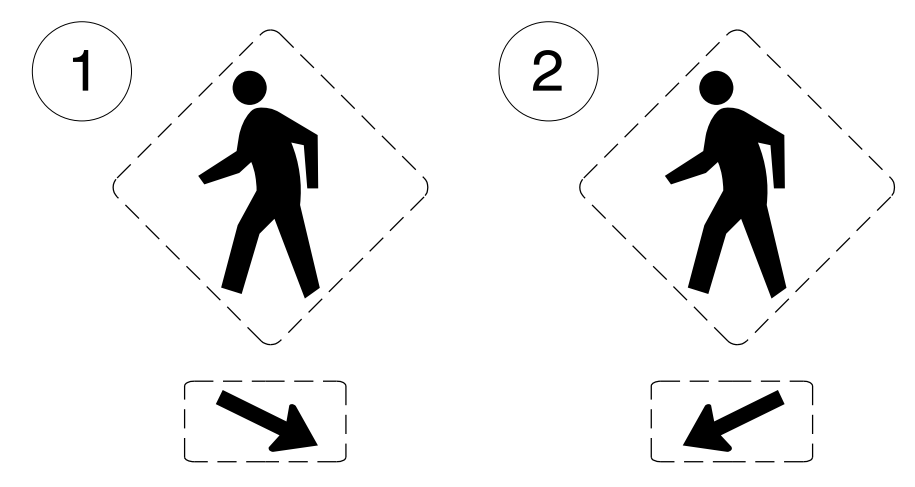


TEMPORARY PAVEMENT MARKING		
PAVEMENT MARKING LINES:		
C1	SOLID WHITE EDGELINE	TYPE 4 REMOVABLE TAPE (4")
C3	10 FT. WHITE SKIP	TYPE 4 REMOVABLE TAPE (4")
C10	SOLID YELLOW EDGELINE	TYPE 4 REMOVABLE TAPE (4")
P1	SOLID WHITE EDGELINE	PAINT (4")
P10	SOLID YELLOW EDGELINE	PAINT (4")
P40	WHITE GORELINE	PAINT (8")
P55	3FT-3FT WHITE MINISKIP	PAINT (12")
Z2	WZ PERFORMANCE PM WHITE SOLID LINE	(4")
Z3	WZ PERFORMANCE PM 10 FT WHITE SKIP	(4")
Z11	WZ PERFORMANCE PM YELLOW SOLID LINE	(4")
Z50	WZ PERFORMANCE PM WHITE GORELINE	(12")
PAVEMENT MARKERS:		
MI	CRYSTAL / RED	TEMPORARY RAISED

PREVIOUSLY PLACED ANCHORED P.C.B. REMOVE AND REPLACE WITH DRUMS AT 55 FT. C-C.

PREVIOUSLY PLACED ANCHORED P.C.B. REMOVE AND REPLACE WITH DRUMS AT 55 FT. C-C.

UNLESS OTHERWISE NOTED, THE TRAFFIC OVAL'S SIGNING AND PAVEMENT MARKINGS ARE EXISTING



13-JUL-2021 10:38 P:\5006407\CAD\CIVIL\5737\TrafficControl\CP\Plans\Alternative\5737\_TCP\_40.dgn abeshears AT PC0013J

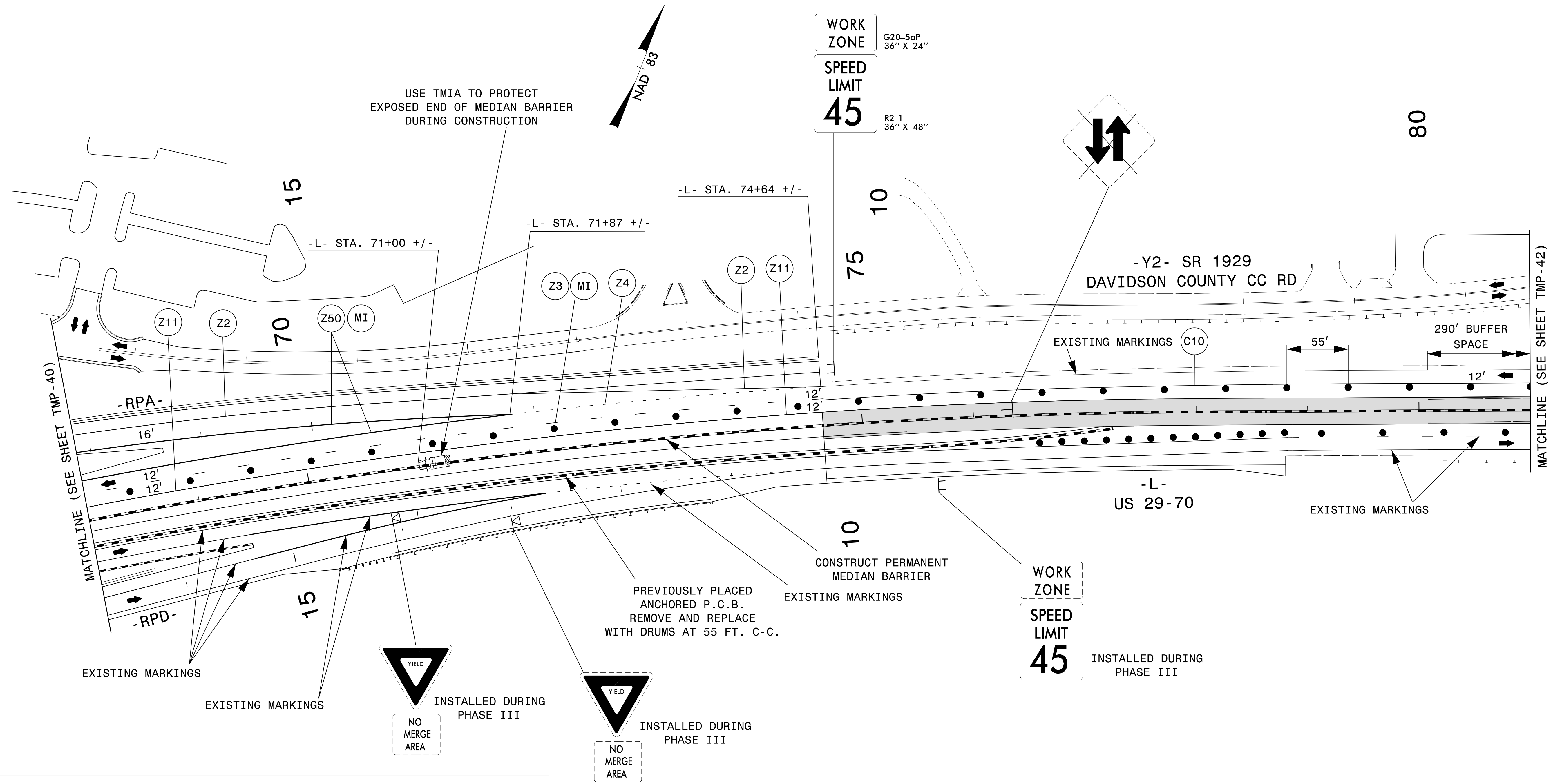
**Dewberry**  
 2610 WYCLIFF ROAD  
 SUITE 410  
 RALEIGH, NC 27607  
 PHONE: 919.881.9939  
 NC COA No. F-0929

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

SEAL

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

**PHASE IV DETAIL**

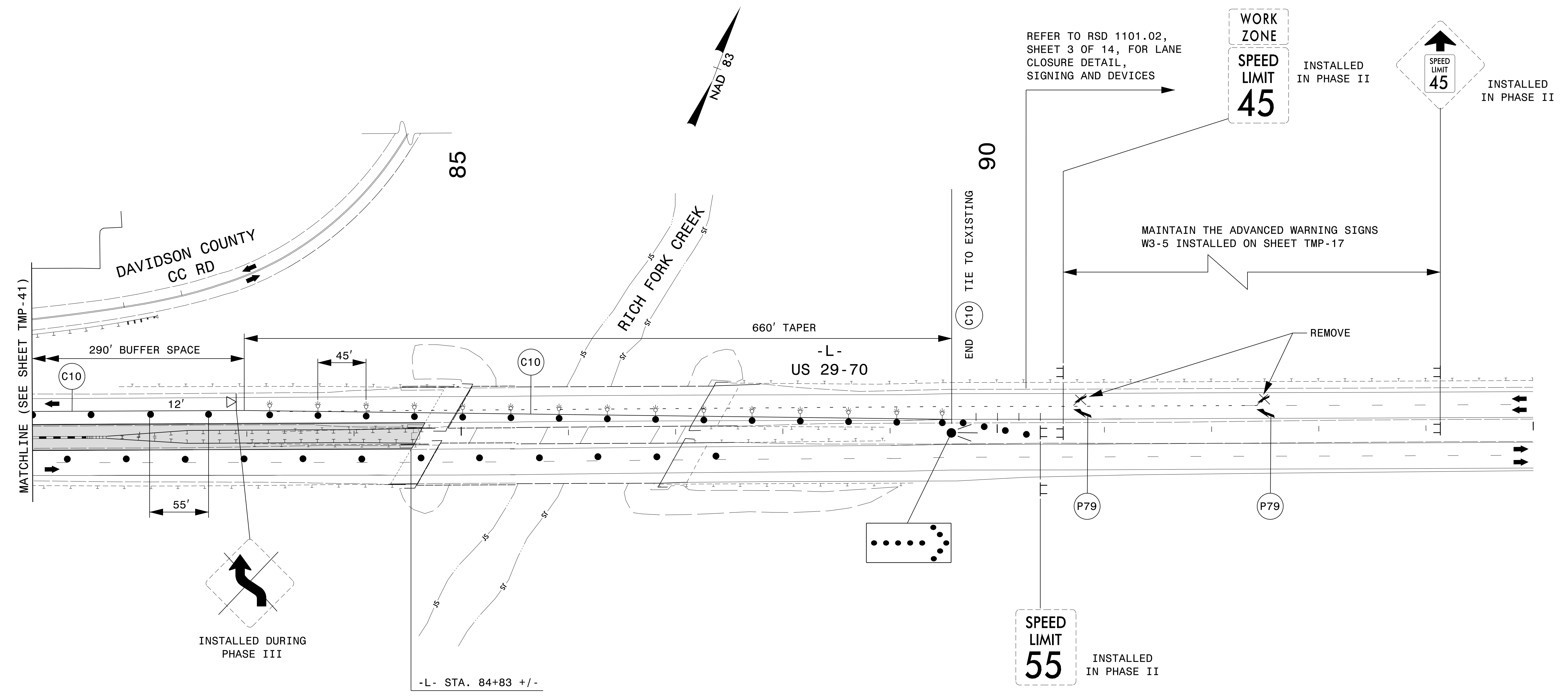


TEMPORARY PAVEMENT MARKING		
PAVEMENT MARKING LINES:		
C10	SOLID YELLOW EDGELINE	TYPE 4 REMOVABLE TAPE (4")
Z2	WZ PERFORMANCE PM WHITE SOLID LINE	(4")
Z3	WZ PERFORMANCE PM 10 FT WHITE SKIP	(4")
Z4	WZ PERFORMANCE PM WHITE 3 FT / 9 FT MINISKIP	(4")
Z11	WZ PERFORMANCE PM YELLOW SOLID LINE	(4")
Z50	WZ PERFORMANCE PM WHITE GORELINE	(12")
PAVEMENT MARKERS:		
MI	CRYSTAL / RED	TEMPORARY RAISED

APPROVED: _____			<h1>PHASE IV DETAIL</h1>
DATE: _____			
SEAL	<p><b>DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED</b></p>		

**Dewberry**  
 2610 WYCLIFF ROAD  
 SUITE 410  
 RALEIGH, NC 27607  
 PHONE: 919.881.9939  
 NC GOA No. F-0929

03-AUG-2021 16:17  
 P:\5005407\CAD\CIVIL\5737\TrafficControl\Plans\Alternative\5737\_TCP\_ICP\_41.dgn  
 AT PF2JAC4N  
 mishok



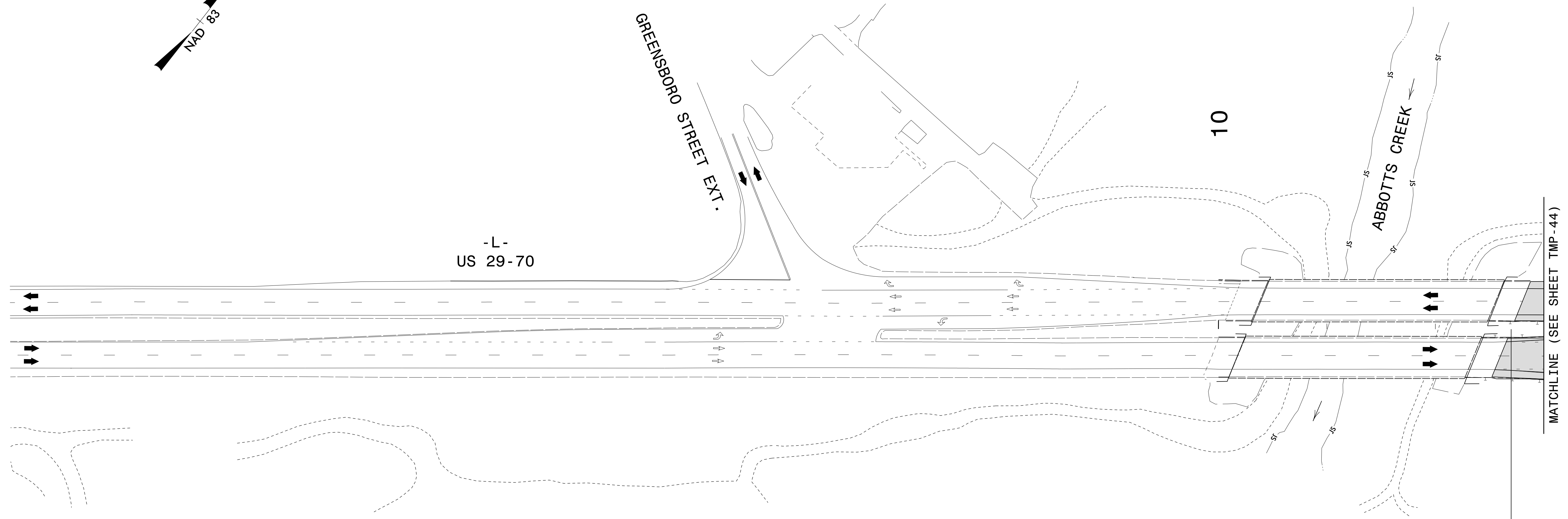
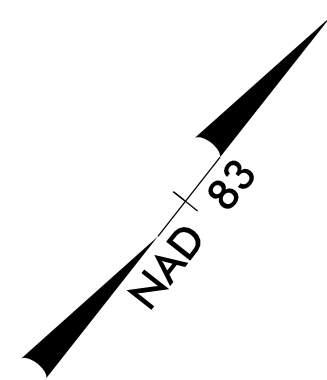
TEMPORARY PAVEMENT MARKING	
PAVEMENT MARKING LINES:	
C10	SOLID YELLOW EDGELINE
P79	MERGE ARROW
	TYPE 4 REMOVABLE TAPE (4")
	TYPE 4 REMOVABLE TAPE (4")

**Dewberry**

2610 WYCLIFF ROAD  
 SUITE 410  
 RALEIGH, NC 27607  
 PHONE: 919.881.9939  
 NC COA No. F-0929

APPROVED: _____			<h1>PHASE IV DETAIL</h1>
DATE: _____			
<p>DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED</p>			

13-JUL-2021 10:38  
 P:\5006407\CAAD\CIVIL\5737\TrafficControl\Plans\Alternative\5737\_TCP\_42.dgn  
 AT PCQUAT3J  
 abeshear.s



-L-  
US 29-70

GREENSBORO STREET EXT.

10

ABBOTTS CREEK

MATCHLINE (SEE SHEET TMP-44)

PERFORM PROPOSED MILLING AND OVERLAY  
USING RSD 1101.02, SHEET 3 OF 14.

PLACE TEMPORARY MARKINGS IN THE FINAL  
PATTERN AS PER THE PAVEMENT MARKING PLAN.

BEGIN CONSTRUCTION  
BEGIN MILL & OVERLAY  
-L- POT Sta. 12+70.00

04-AUG-2021 08:49  
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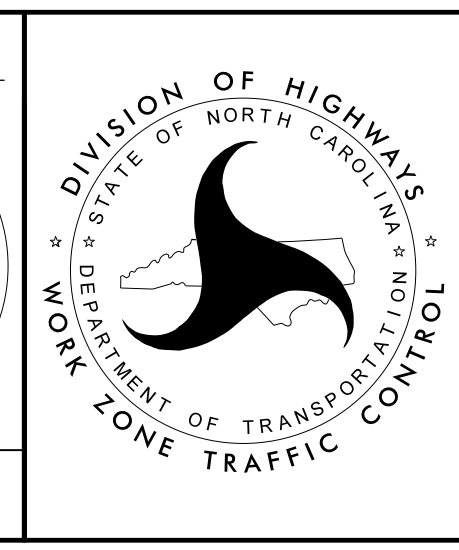
2610 WYCLIFF ROAD  
SUITE 410  
RALEIGH, NC 27607  
PHONE: 919.881.9939  
NC COA No. F-0929

APPROVED: \_\_\_\_\_

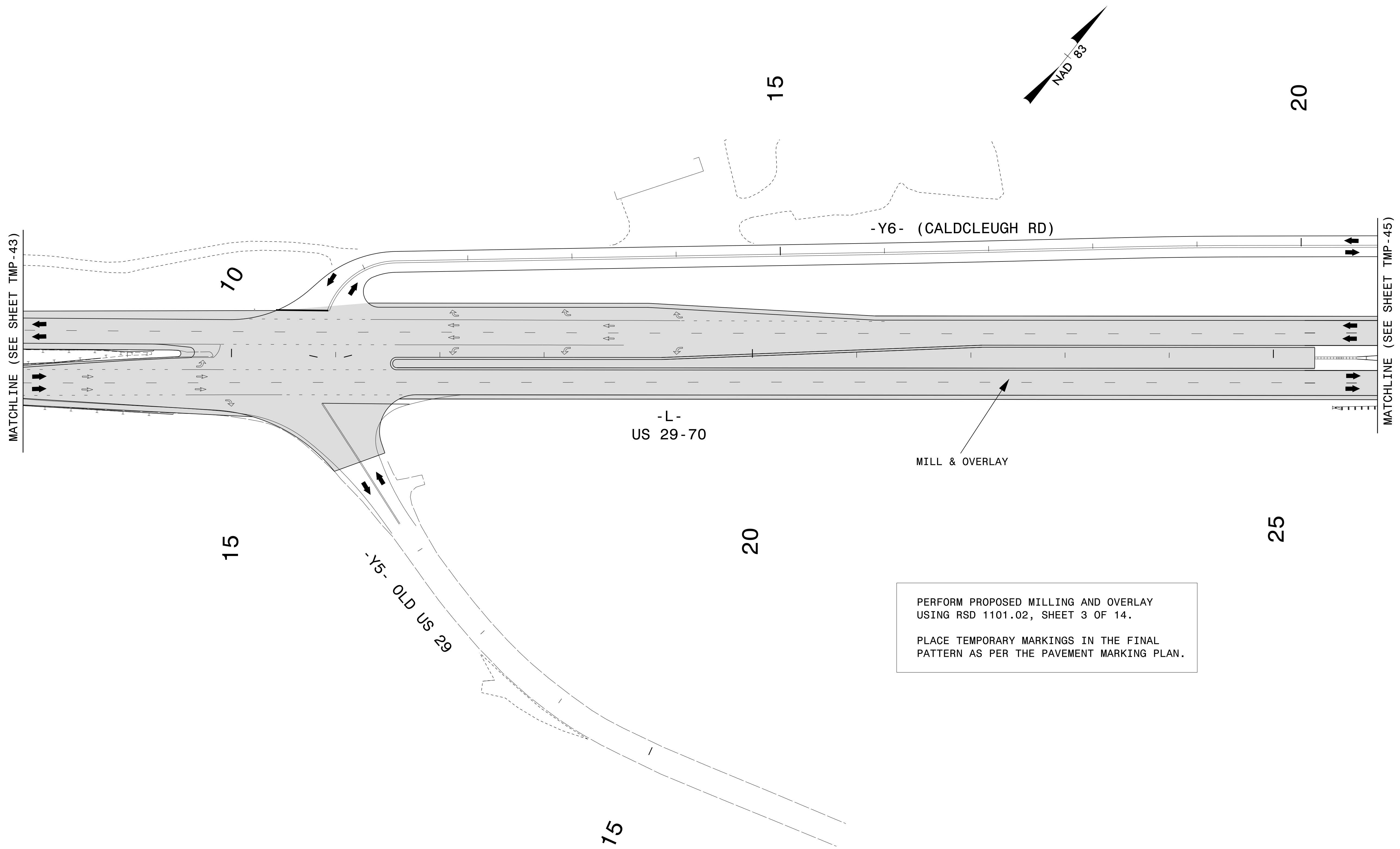
DATE: \_\_\_\_\_

SEAL

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



**PHASE IV DETAIL**



PERFORM PROPOSED MILLING AND OVERLAY USING RSD 1101.02, SHEET 3 OF 14.

PLACE TEMPORARY MARKINGS IN THE FINAL PATTERN AS PER THE PAVEMENT MARKING PLAN.

13-JUL-2021 10:38  
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 abeshears

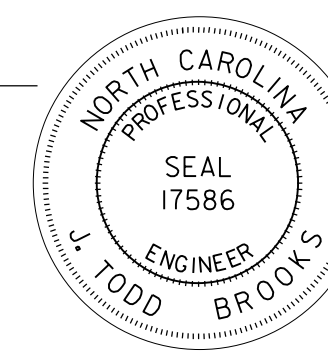


2610 WYCLIFF ROAD  
 SUITE 410  
 RALEIGH, NC 27607  
 PHONE: 919.881.9939  
 NC COA No. F-0929

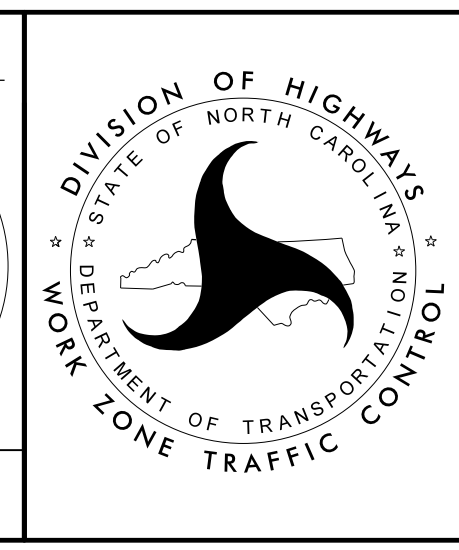
APPROVED: \_\_\_\_\_

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

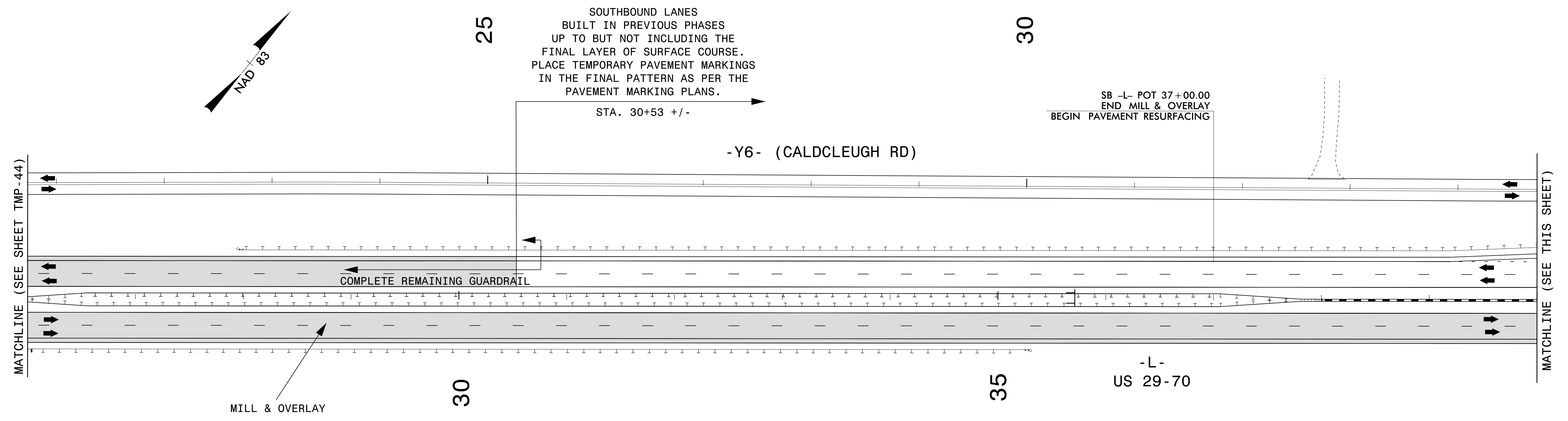
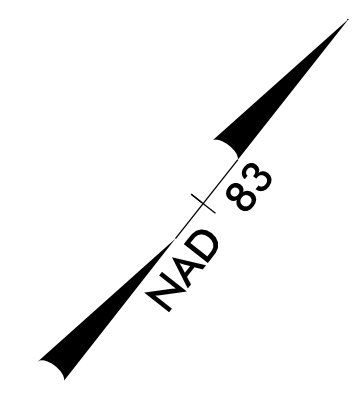
SEAL



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

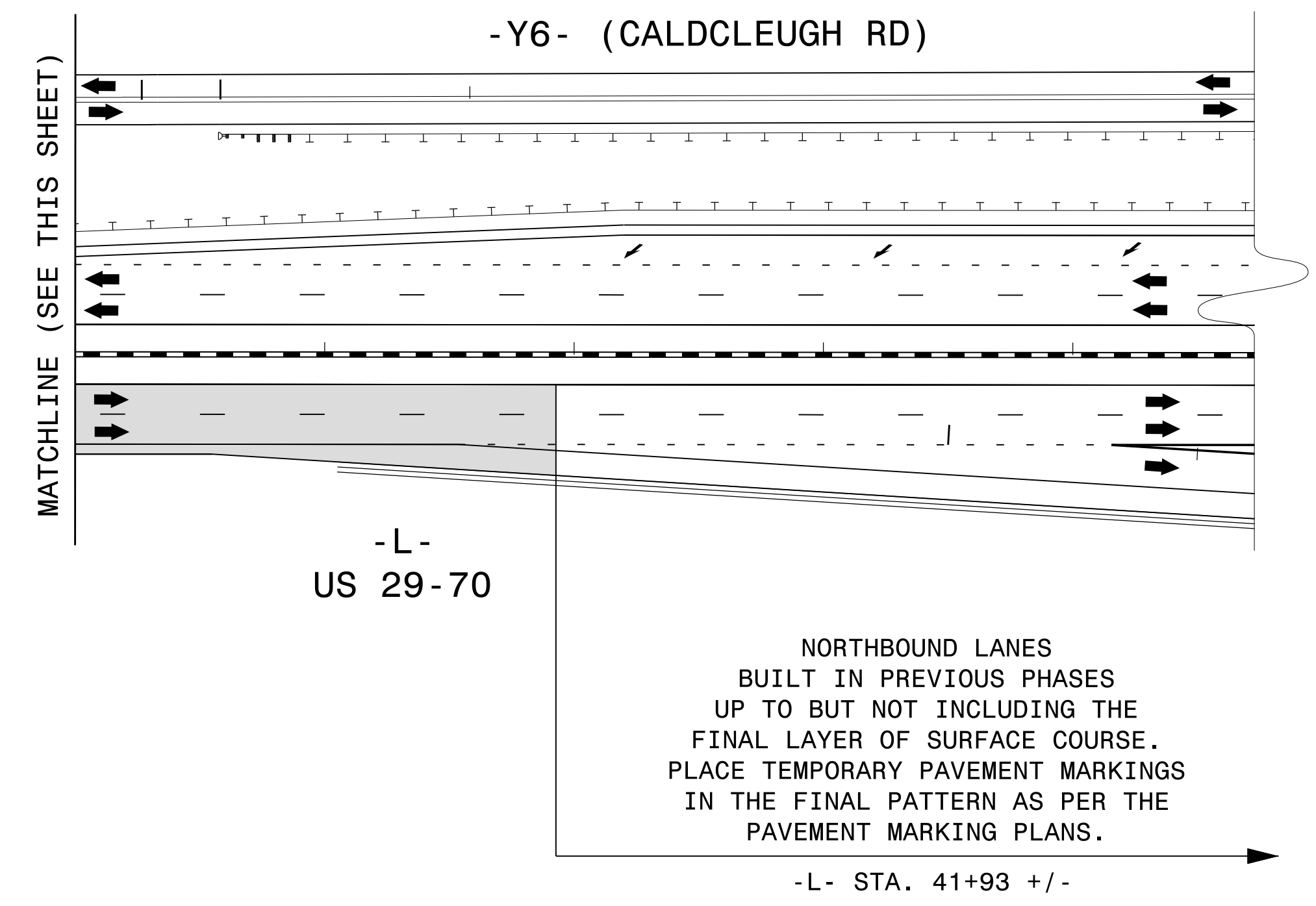


**PHASE IV DETAIL**



PERFORM PROPOSED MILLING & OVERLAY AND RESURFACING USING RSD 1101.02, SHEET 3 OF 14.

PLACE TEMPORARY MARKINGS IN THE FINAL PATTERN AS PER THE PAVEMENT MARKING PLAN.



I:\3- JUL-2021\10-38  
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 AT PC0413J  
 abeshears



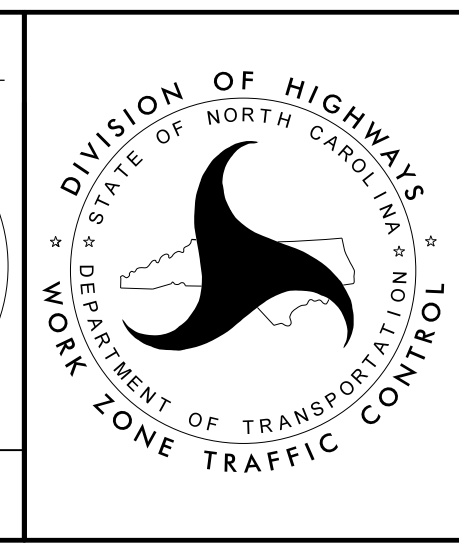
2610 WYCLIFF ROAD  
 SUITE 410  
 RALEIGH, NC 27607  
 PHONE: 919.881.9939  
 NC COA No. F-0929

APPROVED: \_\_\_\_\_

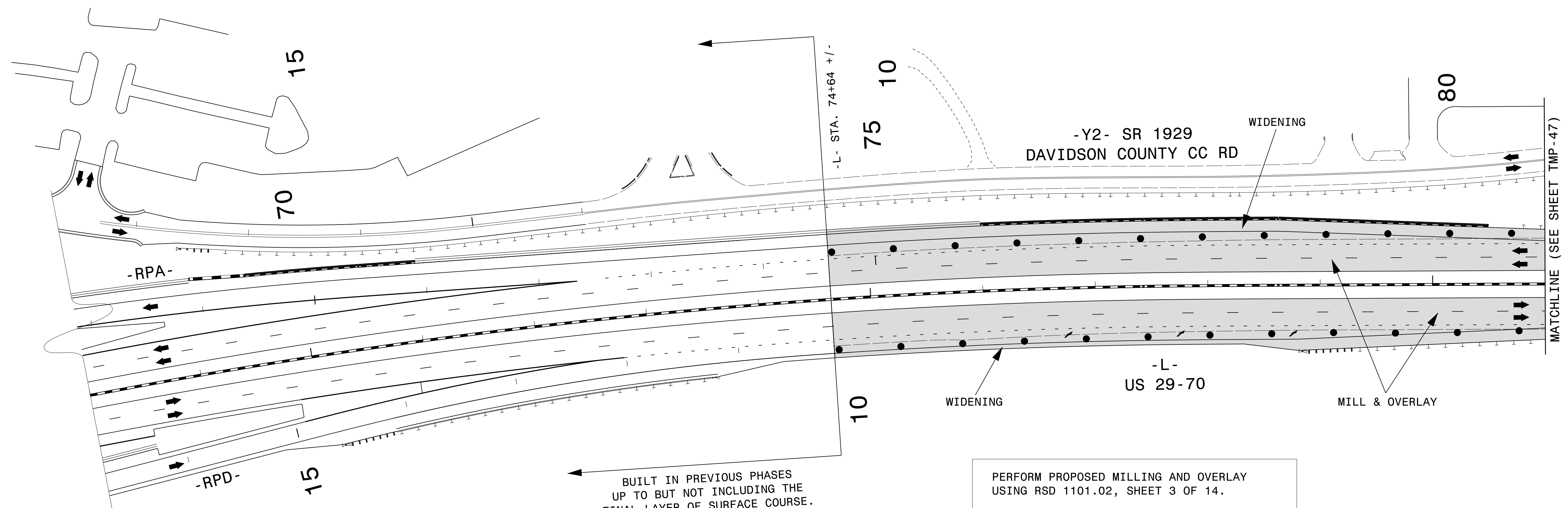
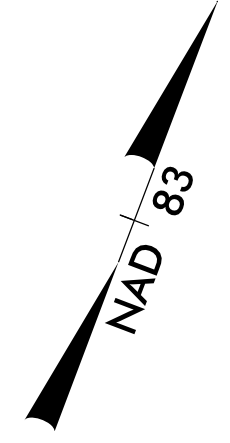
DATE: \_\_\_\_\_

SEAL

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



**PHASE IV DETAIL**



BUILT IN PREVIOUS PHASES  
UP TO BUT NOT INCLUDING THE  
FINAL LAYER OF SURFACE COURSE.  
PLACE TEMPORARY PAVEMENT MARKINGS  
IN THE FINAL PATTERN AS PER THE  
PAVEMENT MARKING PLANS.

PERFORM PROPOSED MILLING AND OVERLAY  
USING RSD 1101.02, SHEET 3 OF 14.

INSTALL MEDIAN BARRIER USING RSD 1101.02,  
SHEET 3 OF 14.

PLACE TEMPORARY MARKINGS IN THE FINAL  
PATTERN AS PER THE PAVEMENT MARKING PLAN.

I:\3- JUL-2021\10-38  
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 AT\_PCOUAT3J  
 abeshears



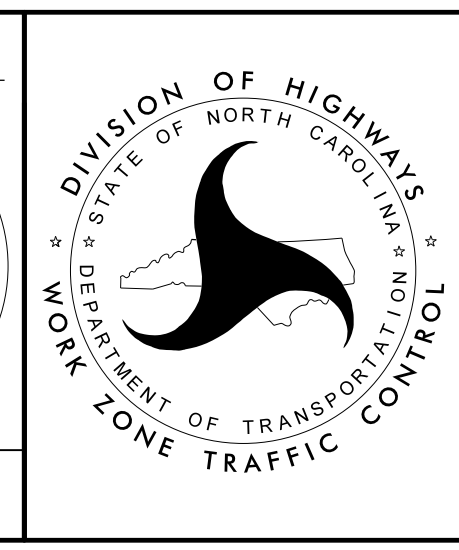
2610 WYCLIFF ROAD  
SUITE 410  
RALEIGH, NC 27607  
PHONE: 919.881.9939  
NC COA No. F-0929

APPROVED: \_\_\_\_\_

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

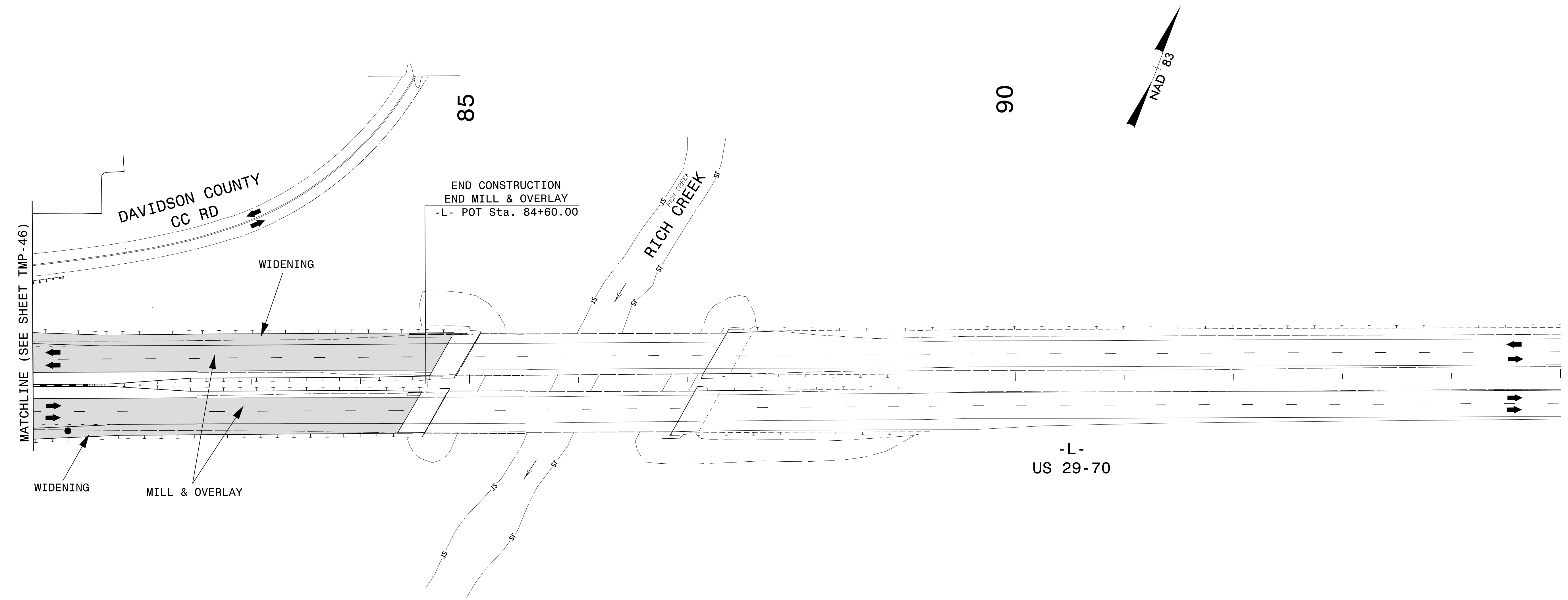
SEAL

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



**PHASE IV DETAIL**





PERFORM PROPOSED MILLING AND OVERLAY USING RSD 1101.02, SHEET 3 OF 14.

PLACE TEMPORARY MARKINGS IN THE FINAL PATTERN AS PER THE PAVEMENT MARKING PLAN.

I3-JUL-2021 10:38  
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 AT\_PCOUAT3J  
 abeshear.s



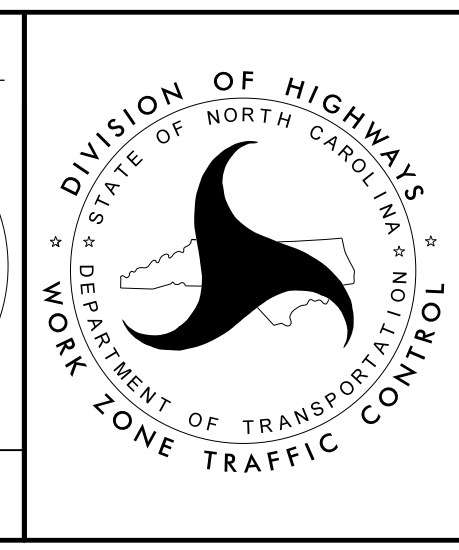
2610 WYCLIFF ROAD  
 SUITE 410  
 RALEIGH, NC 27607  
 PHONE: 919.881.9339  
 NC COA No. F-0929

APPROVED: \_\_\_\_\_

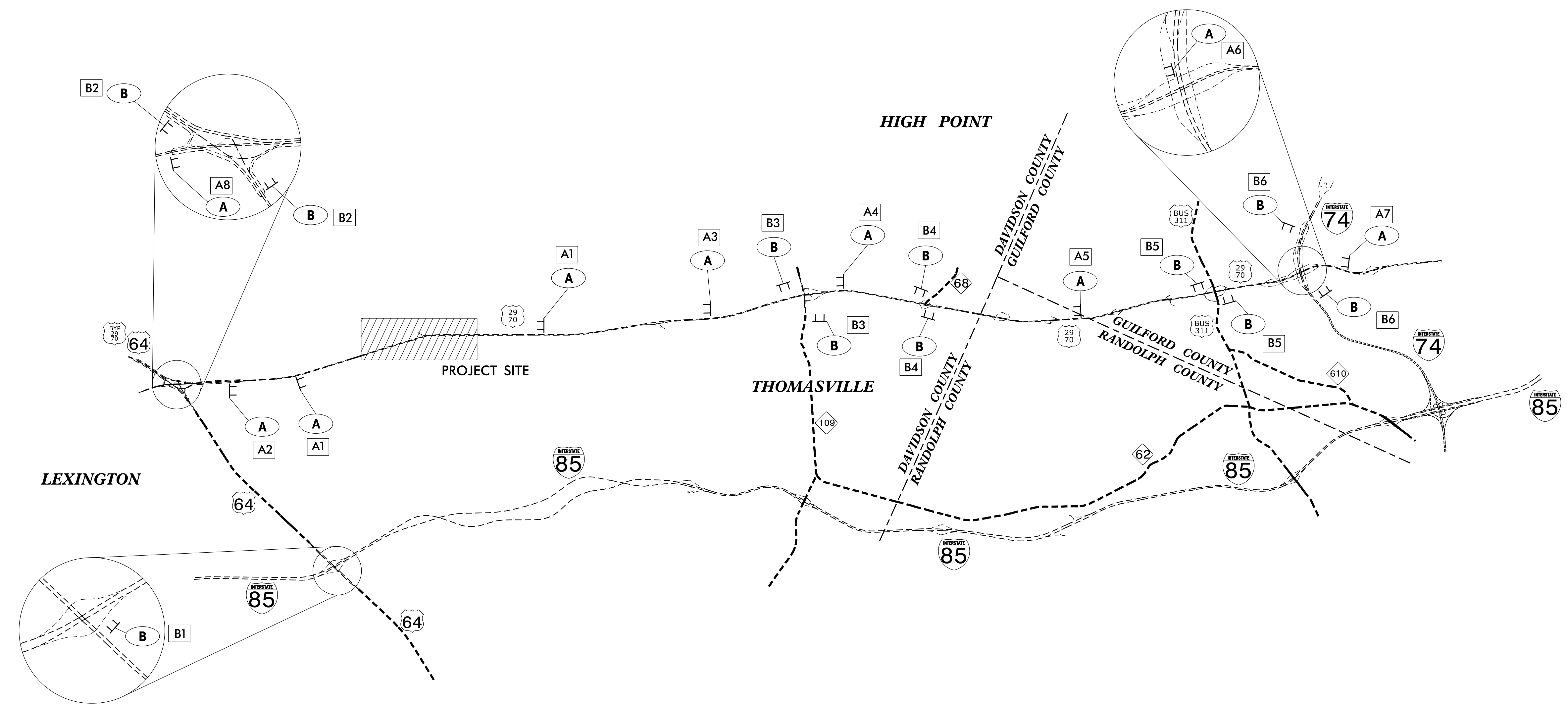
DATE: \_\_\_\_\_

SEAL

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



**PHASE IV DETAIL**



NOTES:

- EXCEPT FOR M1-4, M3-1 AND M3-2 SIGNS, ALL SIGNS ON THIS SHEET ARE BLACK-ON-ORANGE. SEE SHEETS TMP-49 THRU TMP-50 FOR SIGN DESIGNS.
- UNLESS OTHERWISE NOTED ON PLANS, THE CONTRACTOR SHALL FIELD MARK THE PROPOSED LOCATION FOR EACH SIGN AND HAVE THEM APPROVED BY THE ENGINEER PRIOR TO INSTALLING SIGN SUPPORTS.
- INSTALL SIGNS WITH BOTTOM OF SIGN ASSEMBLY AT LEAST 7 FT ABOVE THE EDGE OF THE ADJACENT TRAVEL LANE.
- UNLESS DIRECTED OTHERWISE BY THE ENGINEER, LOCATE SIGNS A1 THROUGH A8 AS FOLLOWS:
  - BEHIND EXISTING GUARDRAIL WHENEVER FEASIBLE.
  - A MINIMUM OF 500 FT FROM ANY EXISTING TYPE A, B OR D GUIDE SIGN AND A MINIMUM OF 200 FT FROM ANY EXISTING TYPE E OR F SIGN.
  - WITH LEFT EDGE OF SIGN A MINIMUM OF 6 FT FROM FACE OF GUARDRAIL WHEN INSTALLED BEHIND EXISTING GUARDRAIL.
  - WITH LEFT EDGE OF SIGN A MINIMUM OF 18 FT FROM THE NEAR EDGE OF TRAVEL LANE WHEN NOT BEHIND GUARDRAIL.
- INSTALL SIGNS B1 THRU B6 A MINIMUM OF 100 FT FROM EXISTING SIGNS UNLESS OTHERWISE DIRECTED BY THE ENGINEER.
- SIGNS A1 THRU A8 WILL BE MEASURED AND PAID AS "TEMPORARY A AND B SIGNS" . . .SF (SEE PROJECT SPECIAL PROVISIONS).
- INSTALL SIGN ASSEMBLIES A1 THROUGH A8 ON TWO 6" X 8" WOOD SIGN POSTS SPACED AT LEAST 7 FEET APART. INSTALL WOOD SIGN POSTS AND ATTACH SIGNS TO THE POST IN ACCORDANCE WITH RSD NO. 903.20. FIELD DRILL ALL WOOD SIGN POSTS THAT ARE NOT INSTALLED BEHIND GUARDRAIL AS SHOWN IN RSD NO. 903.20, SHEET 1 OF 3. WOOD SIGN POSTS WILL BE MEASURED AND PAID AS "SUPPORTS, WOOD" PER LINEAR FOOT IN ACCORDANCE WITH SECTION 903-4 OF THE STANDARD SPECIFICATIONS.
- SIGNS B1 THRU B6 WILL BE MEASURED AND PAID AS "WORK ZONE SIGNS (STATIONARY)" . . .SF AND SHALL BE MOUNTED ON TWO 2.5", 12 GA PERFORATED SQUARE STEEL TUBE SIGN POSTS IN ACCORDANCE WITH RSD NO. 1110.01 SHEET 3 OF 3.
- MOUNT SIGN 304 ABOVE SIGN 305 IN ACCORDANCE WITH RSD NO. 904.20, ATTACHMENT METHOD 1-L. U-CHANNEL POSTS MAY BE SUBSTITUTED FOR Z-BARS FOR VERTICAL SUPPORTS AND HORIZONTAL STRINGERS FOR SIGN 304.

<p><b>WORK ZONE</b> <b>304</b></p> <p><b>RESTRICTED WIDTH ROUTE</b> <b>305</b></p> <p>13FT 0IN</p> <p><b>XX MILES AHEAD</b> <b>306</b></p>	<p>DISTANCE TO USE FOR 'XX':</p> <p>A1 = 1.0 MILE                  A2 = 2.0 MILES                  A3 = 3.5 MILES                  A4 = 5.5 MILES                  A5 = 9.0 MILES                  A6 = 12.0 MILES                  A7 = 13.0 MILES                  A8 = 3.0 MILES</p>	<p><b>A</b></p> <p>M3-1 24" X 12" <b>NORTH EAST</b> M3-2 24" X 12"</p> <p>M1-4 24" X 24" <b>29 70</b> M1-4 24" X 24"</p> <p><b>RESTRICTED WIDTH ROUTE</b> <b>307</b></p> <p>13FT 0IN</p> <p><b>XX MILES AHEAD</b> <b>308</b></p>	<p><b>B</b></p> <p>DISTANCE TO USE FOR 'XX':</p> <p>B1 = 6.5 MILES                  B2 = 3.0 MILES                  B3 = 5.0 MILES                  B4 = 7.0 MILES                  B5 = 11.0 MILES                  B6 = 13.0 MILES</p>
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04-AUG-2021 08:49  
 P:\50064071\CAD\CIVIL\5737\Traffic\TrafficControl\CP\Plans\A\Traffic\TrafficControl\5737\_TCP\_48.dgn  
 AT PF2JAC4N  
 mlshok

2610 WYCLIFF ROAD  
 SUITE 410  
 RALEIGH, NC 27607  
 PHONE: 919.881.9939  
 NC COA No. F-0929

APPROVED: _____ DATE: _____ SEAL			<p><b>OVERSIZED VEHICLE                  ADVANCE WARNING                  SIGNING</b></p>
<p><b>DOCUMENT NOT CONSIDERED FINAL                  UNLESS ALL SIGNATURES COMPLETED</b></p>			

SIGN NUMBER: 301  
 TYPE: D  
 QUANTITY: 9  
 SIGN WIDTH: 3'-0"  
 HEIGHT: 1'-6"  
 TOTAL AREA: 4.5 Sq.Ft.  
 BORDER TYPE: RECESSED  
 RECESS: 0.47"  
 WIDTH: 0.63"  
 RADII: 1.5"  
 NO. Z BARS: 0  
 LENGTH: 112.0

BACKG COLOR: Fluorescent Orange  
 COPY COLOR: Black  
 MAT'L: 0.080" (2.0 mm) ALUMINUM

DESIGN BY: PP  
 PROJECT ID: R-5737  
 CHECKED BY: T. BROOKS  
 LOCATION: DAVIDSON CO.  
 Aug 10, 2020  
 DIV: 9

BORDER  
 R=1.5"  
 TH=0.63"  
 IN=0.47"

Panel Style: construction\_guide.ssi  
 M.U.T.C.D.: 2009 Edition  
 Spacing Factor is 1 unless specified otherwise

USE NOTES:  
 1. Background shall be Grade B reflective sheeting.  
 2. Legend and border shall be direct applied black non-reflective sheeting.

LETTER POSITIONS

Letter spacings are to start of next letter										Series/Size Text Length
	D	C	C	C	R	D				C 2000
	5.3	3.7	3.7	3.7	2.8	5	3.6	2.8	5.3	25.3

FILENAME: DCCC Signing  
 NORTH CAROLINA D.O.T. SIGN DETAIL

SIGN NUMBER: 302  
 TYPE: D  
 QUANTITY: 6  
 SIGN WIDTH: 3'-9"  
 HEIGHT: 2'-6"  
 TOTAL AREA: 9.4 Sq.Ft.  
 BORDER TYPE: RECESSED  
 RECESS: 0.47"  
 WIDTH: 0.63"  
 RADII: 1.5"  
 NO. Z BARS: 0  
 LENGTH: 112.0

BACKG COLOR: Fluorescent Orange  
 COPY COLOR: Black  
 MAT'L: 0.080" (2.0 mm) ALUMINUM

DESIGN BY: PP  
 PROJECT ID: R-5737  
 CHECKED BY: T. BROOKS  
 LOCATION: DAVIDSON CO.  
 Aug 10, 2020  
 DIV: 9

BORDER  
 R=1.5"  
 TH=0.63"  
 IN=0.47"

Panel Style: construction\_guide.ssi  
 M.U.T.C.D.: 2009 Edition  
 Spacing Factor is 1 unless specified otherwise

USE NOTES:  
 1. Background shall be Grade B reflective sheeting.  
 2. Legend and border shall be direct applied black non-reflective sheeting.

LETTER POSITIONS

Letter spacings are to start of next letter										Series/Size Text Length			
	O	L	D							C 2000			
	17.5	4	3.3	2.8	17.5					10			
	G	R	E	E	N	S	B	O	R	O	C 2000		
	4.7	3.8	3.7	3.4	3.4	3.7	3.7	3.6	4	3.6	3	4.7	35.6
	R	O	A	D									C 2000
	15.6	3.6	3.6	3.9	2.8	15.6							13.8

FILENAME: DCCC Signing  
 NORTH CAROLINA D.O.T. SIGN DETAIL

SIGN NUMBER: 303  
 TYPE: B  
 QUANTITY: 1  
 SIGN WIDTH: 10'-0"  
 HEIGHT: 1'-6"  
 TOTAL AREA: 15.0 Sq.Ft.  
 BORDER TYPE: RECESSED  
 RECESS: 0.47"  
 WIDTH: 0.63"  
 RADII: 1.5"  
 NO. Z BARS: 0  
 LENGTH: 112.0

BACKG COLOR: Yellow  
 COPY COLOR: Black  
 MAT'L: 0.125" (3.2 mm) ALUMINUM

DESIGN BY: P. PADILLA  
 PROJECT ID: R-5737  
 CHECKED BY: T. BROOKS  
 LOCATION: DAVIDSON CO.  
 Feb 24, 2021  
 DIV: 9

BORDER  
 R=1.5"  
 TH=0.63"  
 IN=0.47"

Panel Style: box1.bsi  
 M.U.T.C.D.: 1988 Edition  
 Spacing Factor is 1 unless specified otherwise

USE NOTES:  
 1. Background shall be Grade C reflective sheeting.  
 2. Legend and border shall be direct applied black non-reflective sheeting.

LETTER POSITIONS

Letter locations are panel edge to lower left corner										Series/Size Text Length
	O	N	L	Y						E
	36.3	49.3	62	71.6						47.3

FILENAME: Traffic Control Temp Signs  
 NORTH CAROLINA D.O.T. SIGN DETAIL

SIGN NUMBER: 304  
 TYPE: D  
 QUANTITY: 9  
 SIGN WIDTH: 4'-0"  
 HEIGHT: 3'-0"  
 TOTAL AREA: 12.0 Sq.Ft.  
 BORDER TYPE: RECESSED  
 RECESS: 0.47"  
 WIDTH: 0.63"  
 RADII: 1.5"  
 NO. Z BARS: 0  
 LENGTH: 112.0

BACKG COLOR: Fluorescent Orange  
 COPY COLOR: Black  
 MAT'L: 0.125" (3.2 mm) ALUMINUM

DESIGN BY: P. PADILLA  
 PROJECT ID: R-5737  
 CHECKED BY: T. BROOKS  
 LOCATION: DAVIDSON CO.  
 Feb 19, 2021  
 DIV: 9

BORDER  
 R=1.5"  
 TH=0.63"  
 IN=0.47"

Panel Style: construction\_guide.ssi  
 M.U.T.C.D.: 2009 Edition  
 Spacing Factor is 1 unless specified otherwise

USE NOTES:  
 1. Background shall be Grade B reflective sheeting.  
 2. Legend and border shall be direct applied black non-reflective sheeting.

LETTER POSITIONS

Letter locations are panel edge to lower left corner										Series/Size Text Length
	W	O	R	K						D 2000
	6.5	16.7	26	34.5						35
	Z	O	N	E						C 2000
	10.1	17.2	25.1	32.9						27.9

FILENAME: Traffic Control Temp Signs  
 NORTH CAROLINA D.O.T. SIGN DETAIL

04-AUG-2021 08:50  
 P:\5006407\CAD\CIVIL\N5737\TrafficControl\CP\Plans\Alternative\N5737\_TCP\_ICP\_49.dgn  
 AT PF2JAC4N  
 mishok



2610 WYCLIFF ROAD  
 SUITE 410  
 RALEIGH, NC 27607  
 PHONE: 919.881.9939  
 NC COA No. F-0929

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

SEAL

**SIGN DESIGNS**

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

SIGN NUMBER: 305      BACKG COLOR: Fluorescent Orange  
 TYPE: A      COPY COLOR: Black  
 QUANTITY: 9

SYMBOL	X	Y	WID	HT

SIGN WIDTH: 9'-0"  
 HEIGHT: 5'-0"  
 TOTAL AREA: 45.0 Sq.Ft.

BORDER TYPE: RECESSED  
 RECESS: 0.47"  
 WIDTH: 0.63"  
 RADII: 1.5"

NO. Z BARS: 2  
 LENGTH: 100.0

MAT'L: 0.125" (3.2 mm) ALUMINUM

DESIGN BY: P. PADILLA      CHECKED BY: T. BROOKS      Feb 19, 2021  
 PROJECT ID: R-5737      LOCATION: DAVIDSON CO.      DIV: 9

Panel Style: construction\_guide.ssi  
 M.U.T.C.D.: 2009 Edition

Spacing Factor is 1 unless specified otherwise

LETTER POSITIONS

Letter locations are panel edge to lower left corner

Letter	Series/Size	Text Length
R	D 2000	17.1
E	D 2000	25.6
S	D 2000	32.8
T	D 2000	40.4
R	D 2000	48.1
I	D 2000	56.6
C	D 2000	60.4
T	D 2000	68.5
E	D 2000	76.2
D	D 2000	84.1
W	D 2000	10.6
I	D 2000	21
D	D 2000	25
T	D 2000	33.1
H	D 2000	40.8
R	D 2000	47.6
O	D 2000	57.6
U	D 2000	65.9
T	D 2000	75.2
E	D 2000	83.5
E	D 2000	91.2
1	D 2000	3
3	D 2000	22
28.6		
F	D 2000	41.7
T	D 2000	47.2
0	D 2000	62.1
F	D 2000	75.6
T	D 2000	81.1

FILENAME: Traffic Control Temp Signs      NORTH CAROLINA D.O.T. SIGN DETAIL

SIGN NUMBER: 306      BACKG COLOR: Fluorescent Orange  
 TYPE: B      COPY COLOR: Black  
 QUANTITY: 9

SYMBOL	X	Y	WID	HT

SIGN WIDTH: 9'-0"  
 HEIGHT: 1'-6"  
 TOTAL AREA: 13.5 Sq.Ft.

BORDER TYPE: RECESSED  
 RECESS: 0.47"  
 WIDTH: 0.63"  
 RADII: 1.5"

NO. Z BARS: 0  
 LENGTH: 100.0

MAT'L: 0.125" (3.2 mm) ALUMINUM

DESIGN BY: P. PADILLA      CHECKED BY: T. BROOKS      Jun 21, 2021  
 PROJECT ID: R-5737      LOCATION: DAVIDSON CO.      DIV: 9

Panel Style: construction\_guide.ssi  
 M.U.T.C.D.: 2009 Edition

Spacing Factor is 1 unless specified otherwise

LETTER POSITIONS

Letter spacings are to start of next letter

Letter	Series/Size	Text Length
X	D 2000	12.5
X	D 2000	8.1
7	D 2000	7
80.5		
M	D 2000	33.3
I	D 2000	7.2
L	D 2000	2.6
E	D 2000	5.5
S	D 2000	5.3
A	D 2000	4.9
H	D 2000	6
E	D 2000	7.1
A	D 2000	6.4
D	D 2000	5.2
7.1		
4.9		
12.4		

FILENAME: Traffic Control Temp Signs      NORTH CAROLINA D.O.T. SIGN DETAIL

SIGN NUMBER: 307      BACKG COLOR: Fluorescent Orange  
 TYPE: D      COPY COLOR: Black  
 QUANTITY: 11

SYMBOL	X	Y	WID	HT

SIGN WIDTH: 5'-6"  
 HEIGHT: 3'-0"  
 TOTAL AREA: 16.5 Sq.Ft.

BORDER TYPE: RECESSED  
 RECESS: 0.47"  
 WIDTH: 0.63"  
 RADII: 1.5"

NO. Z BARS: 1  
 LENGTH: 100.0

MAT'L: 0.125" (3.2 mm) ALUMINUM

DESIGN BY: P. PADILLA      CHECKED BY: T. BROOKS      Feb 19, 2021  
 PROJECT ID: R-5737      LOCATION: DAVIDSON CO.      DIV: 9

Panel Style: construction\_guide.ssi  
 M.U.T.C.D.: 2009 Edition

Spacing Factor is 1 unless specified otherwise

LETTER POSITIONS

Letter locations are panel edge to lower left corner

Letter	Series/Size	Text Length
R	D 2000	10.8
E	D 2000	15.9
S	D 2000	20.2
T	D 2000	24.8
R	D 2000	29.4
I	D 2000	34.5
C	D 2000	36.8
T	D 2000	41.7
E	D 2000	46.3
D	D 2000	51
W	D 2000	6.9
I	D 2000	13.2
D	D 2000	15.6
T	D 2000	20.4
H	D 2000	25
R	D 2000	29.1
O	D 2000	35.1
U	D 2000	40.1
T	D 2000	45.7
E	D 2000	50.7
E	D 2000	55.3
1	D 2000	3
3	D 2000	12.5
16.9		
F	D 2000	25.9
T	D 2000	29.3
0	D 2000	37.8
F	D 2000	47
T	D 2000	50.4

FILENAME: Traffic Control Temp Signs      NORTH CAROLINA D.O.T. SIGN DETAIL

SIGN NUMBER: 308      BACKG COLOR: Fluorescent Orange  
 TYPE: D      COPY COLOR: Black  
 QUANTITY: 11

SYMBOL	X	Y	WID	HT

SIGN WIDTH: 5'-6"  
 HEIGHT: 1'-6"  
 TOTAL AREA: 8.3 Sq.Ft.

BORDER TYPE: RECESSED  
 RECESS: 0.47"  
 WIDTH: 0.63"  
 RADII: 1.5"

NO. Z BARS: 1  
 LENGTH: 100.0

MAT'L: 0.125" (3.2 mm) ALUMINUM

DESIGN BY: P. PADILLA      CHECKED BY: T. BROOKS      Jun 21, 2021  
 PROJECT ID: R-5737      LOCATION: DAVIDSON CO.      DIV: 9

Panel Style: construction\_guide.ssi  
 M.U.T.C.D.: 2009 Edition

Spacing Factor is 1 unless specified otherwise

LETTER POSITIONS

Letter spacings are to start of next letter

Letter	Series/Size	Text Length
X	D 2000	3.6
X	D 2000	4.7
4.1		
53.7		
M	D 2000	18
I	D 2000	5.1
L	D 2000	2
E	D 2000	3.9
S	D 2000	3.6
A	D 2000	3.4
H	D 2000	5
E	D 2000	5
A	D 2000	4.6
D	D 2000	3.5
3.6		

FILENAME: Traffic Control Temp Signs      NORTH CAROLINA D.O.T. SIGN DETAIL

04-AUG-2021 08:51 P:\5009407\N\CAD\CIVIL\N5737\TrafficControl\CP\Plans\Alternate\N5737\_TCP\_50.dgn AT PF2JAC4N mlshok



2610 WYCLIFF ROAD  
 SUITE 410  
 RALEIGH, NC 27607  
 PHONE: 919.881.9939  
 NC COA No. F-0929

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

SEAL

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 UNLESS ALL SIGNATURES COMPLETED



SIGN DESIGNS