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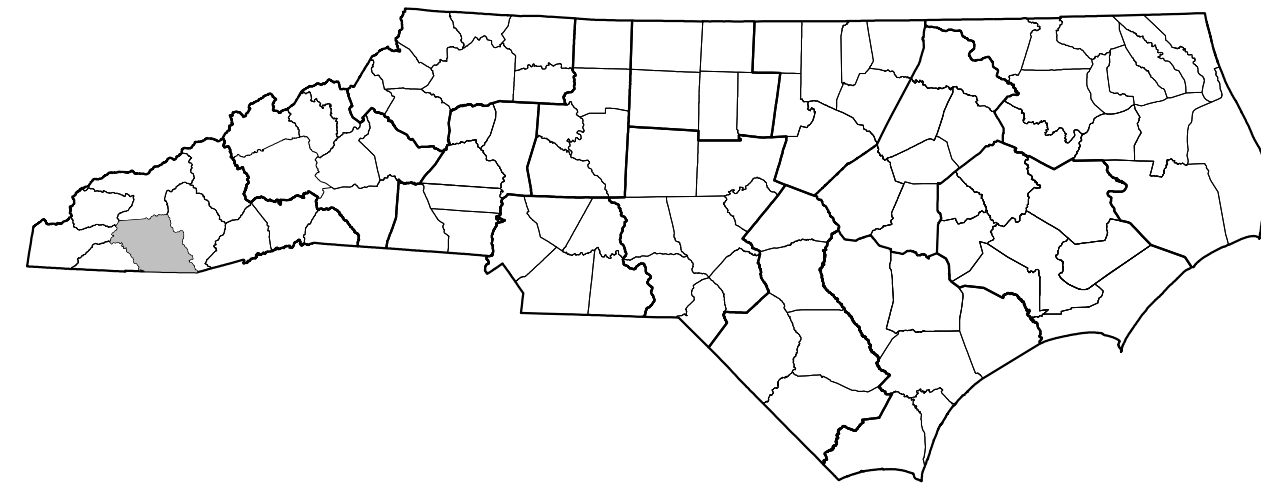
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STATE OF NORTH CAROLINA  
DIVISION OF HIGHWAYS

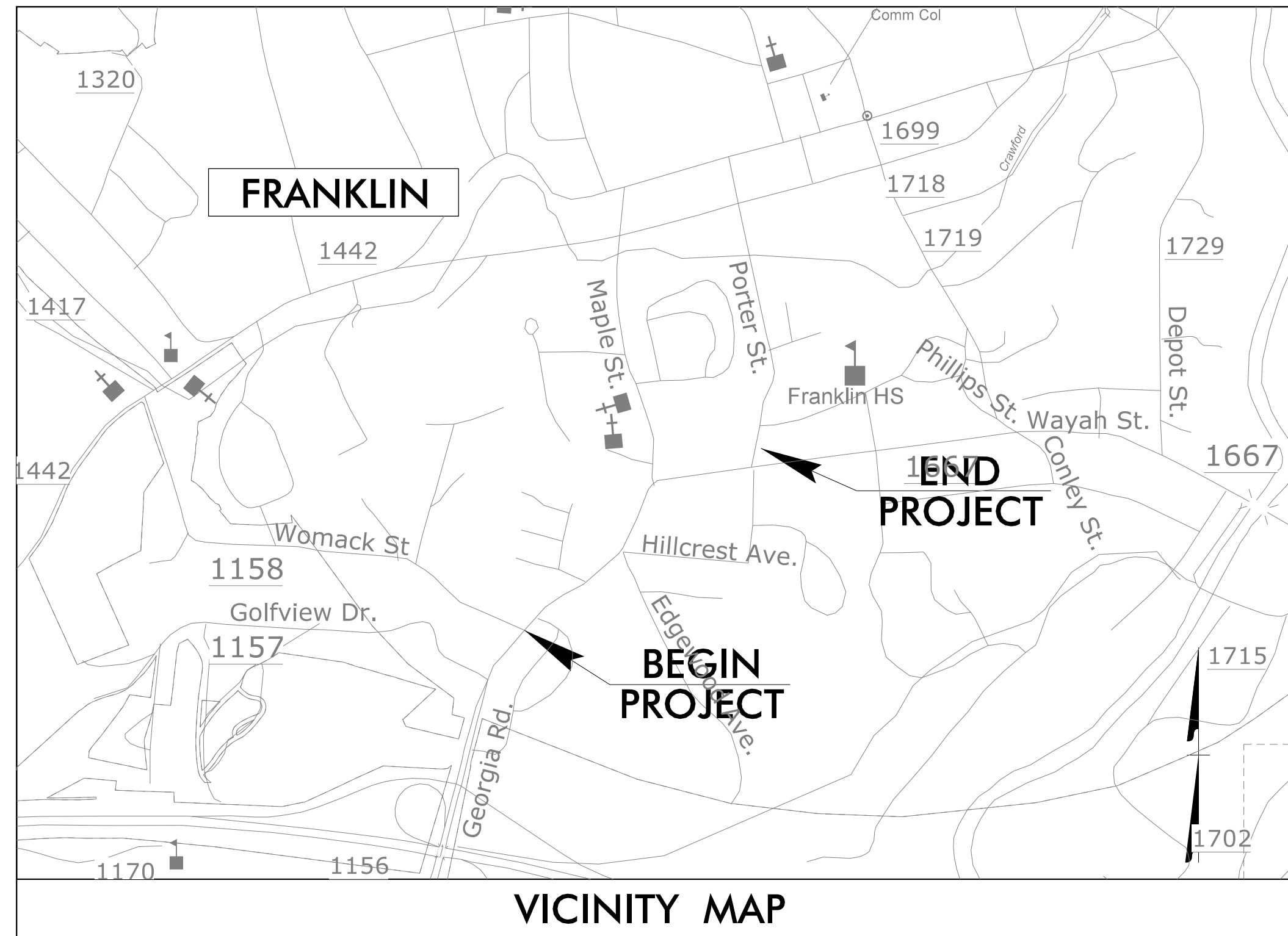
**TRANSPORTATION MANAGEMENT PLAN**

**MACON COUNTY**

**DIVISION 14**



**US 441 BUSINESS INTERSECTION IMPROVEMENTS AT WOMACK STREET, MAPLE STREET, PORTER STREET, AND DEPOT STREET**



VICINITY MAP

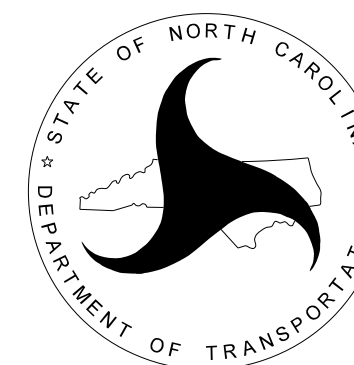
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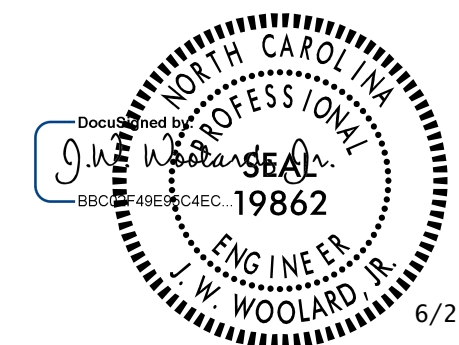
**N.C.D.O.T. DIVISION 14**

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**TIP PROJECT: U-5604**

# ROADWAY STANDARD DRAWINGS

THE FOLLOWING ROADWAY STANDARDS AS APPEAR IN "ROADWAY STANDARD DRAWINGS" - PROJECT SERVICES UNIT - N.C. DEPARTMENT OF TRANSPORTATION - RALEIGH, N.C., DATED JANUARY 2018 ARE APPLICABLE TO THIS PROJECT AND BY REFERENCE HEREBY ARE CONSIDERED A PART OF THESE PLANS:

STD. NO.	TITLE
1101.01	WORK ZONE ADVANCE WARNING SIGNS
1101.02	TEMPORARY LANE CLOSURES
1101.03	TEMPORARY ROAD CLOSURES
1101.05	WORK ZONE VEHICLE ACCESSES
1101.11	TRAFFIC CONTROL DESIGN TABLES
1110.01	STATIONARY WORK ZONE SIGNS
1110.02	PORTABLE WORK ZONE SIGNS
1115.01	FLASHING ARROW BOARDS
1130.01	DRUMS
1135.01	CONES
1145.01	BARRICADES
1150.01	FLAGGING DEVICES
1165.01	WORK VEHICLE LIGHTING SYSTEMS AND TMA DELINEATION
1180.01	SKINNY - DRUM
1190.01	LAW ENFORCEMENT
1205.01	PAVEMENT MARKINGS - LINE TYPES AND OFFSETS
1205.02	PAVEMENT MARKINGS - TWO LANE AND MULTILANE ROADWAYS
1205.07	PAVEMENT MARKINGS - PEDESTRIAN CROSSWALKS
1205.08	PAVEMENT MARKINGS - SYMBOLS AND WORD MESSAGES
1205.09	PAVEMENT MARKINGS - PAINTED ISLANDS
1205.10	PAVEMENT MARKINGS - SCHOOL AREAS
1205.14	PAVEMENT MARKINGS - ROUNDABOUTS
1264.01	OBJECT MARKERS - TYPES
1264.02	OBJECT MARKERS - INSTALLATION

## TEMPORARY PAVEMENT MARKING SCHEDULE

SYMBOL	DESCRIPTION
(P2)	24" WHITE STOP BAR, PAINT
(P3)	24" WHITE CROSSWALK, PAINT
(P17)	8" WHITE 3FT-3FT MINISKIP, PAINT
(PA)	4" WHITE EDGELINE, PAINT
(PB)	4" YELLOW EDGELINE, PAINT
(PC)	4" WHITE 10FT SKIP LINE, PAINT
(PD)	4" WHITE 3FT-9FT MINISKIP, PAINT
(PE)	4" WHITE SOLID LANE LINE, PAINT
(P1)	4" YELLOW DOUBLE CENTER, PAINT
(PN)	8" WHITE GORELINE, PAINT
(PP)	8" YELLOW DIAGONAL, PAINT
(QN)	24" YIELD LINE TRIANGLE, PAINT

# LEGEND

### GENERAL

- DIRECTION OF TRAFFIC FLOW
- EXIST. PVMT.
- PROPOSED PVMT.
- NORTH ARROW
- TEMP. SHORING (LOCATION PURPOSES ONLY)
- WORK AREA
- PREVIOUSLY STARTED / CONCURRENT CONSTRUCTION
- PAVEMENT REMOVAL
- TEMPORARY PAVEMENT

### PAVEMENT MARKINGS

- |  |                    |
|--|--------------------|
|  | EXISTING LINES     |
|  | TEMPORARY MARKINGS |
|  | PREVIOUSLY PLACED  |
- WHITE EDGE LINE
  - YELLOW EDGE LINE
  - BROKEN LANE LINES
  - MINISKIP LANE LINES
  - DOUBLE YELLOW LINES
  - GORELINE
  - STOP BAR

### PAVEMENT MARKING SYMBOLS

- EXISTING PAVEMENT MARKING SYMBOLS (HOLLOW)
- TEMPORARY SYMBOLS
- PREVIOUSLY PLACED
- ONLY PAVEMENT MARKING SYMBOLS
- ONLY PAVEMENT MARKING ALPHANUMERIC CHARACTERS

### TRAFFIC CONTROL DEVICES

- | TEMPORARY DEVICES | PREVIOUSLY PLACED |                                |
|-------------------|-------------------|--------------------------------|
|                   |                   | BARRICADE (TYPE III)           |
|                   |                   | CONE                           |
|                   |                   | DRUM                           |
|                   |                   | FLASHING ARROW BOARD           |
|                   |                   | FLAGGER                        |
|                   |                   | LAW ENFORCEMENT                |
|                   |                   | TRUCK MOUNTED ATTENUATOR (TMA) |
|                   |                   | CHANGEABLE MESSAGE SIGN        |
|                   |                   | TEMPORARY CRASH CUSHION        |
|                   |                   | PORTABLE CONCRETE BARRIER      |

### SIGNALS

- |  |          |  |          |  |           |
|--|----------|--|----------|--|-----------|
|  | EXISTING |  | PROPOSED |  | TEMPORARY |
|--|----------|--|----------|--|-----------|

### TEMPORARY SIGNING

- | TEMPORARY SIGNS | PREVIOUSLY PLACED |                             |
|-----------------|-------------------|-----------------------------|
|                 |                   | PORTABLE SIGN               |
|                 |                   | STATIONARY SIGN             |
|                 |                   | STATIONARY OR PORTABLE SIGN |

### PAVEMENT MARKERS

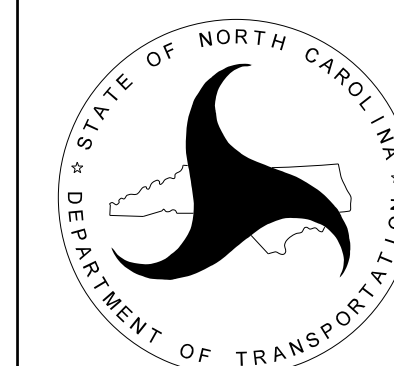
- CRYSTAL/CRYSTAL
- CRYSTAL/RED
- YELLOW/YELLOW

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ROADWAY STANDARD DRAWINGS, LEGEND, TEMPORARY PAVEMENT MARKING SCHEDULE

# GENERAL NOTES

PROJ. REFERENCE NO.	SHEET NO.
U-5604	TMP-1B

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

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

**TIME RESTRICTIONS**

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

ROAD NAME	DAY AND TIME RESTRICTIONS
ALL ROADS	6:30 A.M.-8:30 A.M. MONDAY THRU FRIDAY 2:30 P.M.-5:30 P.M. MONDAY THRU FRIDAY

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

**ROAD NAME**  
ALL ROADS

**HOLIDAY**

- 1) FOR ANY UNEXPECTED OCCURENCE THAT CREATES UNUSUALLY HIGH TRAFFIC VOLUMES, AS DIRECTED BY THE ENGINEER.
- 2) FOR NEW YEAR'S, BETWEEN THE HOURS OF 6:30 A.M. DECEMBER 31ST TO 5:30 P.M. JANUARY 2ND. IF NEW YEAR'S DAY IS ON A FRIDAY, SATURDAY, SUNDAY, OR MONDAY THEN UNTIL 5:30 P.M. THE FOLLOWING TUESDAY.
- 3) FOR EASTER, BETWEEN THE HOURS OF 6:30 A.M. THURSDAY AND 5:30 P.M. MONDAY.
- 4) FOR MEMORIAL DAY, BETWEEN THE HOURS OF 6:30 A.M. FRIDAY TO 5:30 P.M. TUESDAY.
- 5) FOR INDEPENDENCE DAY, BETWEEN THE HOURS OF 6:30 A.M. THE DAY BEFORE INDEPENDENCE DAY AND 5:30 P.M. THE DAY AFTER INDEPENDENCE DAY. IF INDEPENDENCE DAY IS ON A FRIDAY, SATURDAY, SUNDAY OR MONDAY; THEN BETWEEN THE HOURS OF 6:30 A.M. THE THURSDAY BEFORE INDEPENDENCE DAY AND 5:30 P.M. THE TUESDAY AFTER INDEPENDENCE DAY.
- 6) FOR LABOR DAY, BETWEEN THE HOURS OF 6:30 A.M. FRIDAY AND 5:30 P.M. TUESDAY.
- 7) FOR THANKSGIVING DAY, BETWEEN THE HOURS OF 6:30 A.M. TUESDAY TO 5:30 P.M. MONDAY.
- 8) FOR CHRISTMAS, BETWEEN THE HOURS OF 6:30 A.M. THE FRIDAY BEFORE THE WEEK OF CHRISTMAS DAY AND 5:30 P.M. THE FOLLOWING TUESDAY AFTER THE WEEK OF CHRISTMAS.
- 9) FOR THE GEM SHOW THAT OCCURS MOTHER'S DAY WEEKEND AND THE LAST WEEKEND OF JULY, BETWEEN THE HOURS OF 6:30 A.M. FRIDAY AND 5:30 P.M. MONDAY.
- 10) FOR PUMPKINFEST THE THIRD SATURDAY OF OCTOBER, BETWEEN THE HOURS OF 6:30A.M. FRIDAY AND 5:30 P.M. MONDAY.
- 11) FOR ANY FRANKLIN HIGH SCHOOL EVENTS THAT CREATE UNUSUALLY HIGH TRAFFIC VOLUMES, AS DIRECTED BY THE ENGINEER.

**LANE AND SHOULDER CLOSURE REQUIREMENTS**

- C) 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.
- D) 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.

- E) WHEN PERSONNEL AND/OR EQUIPMENT ARE WORKING WITHIN A LANE OF TRAVEL OF AN UNDIVIDED OR DIVIDED FACILITY, CLOSE THE LANE ACCORDING TO THE TRANSPORTATION MANAGEMENT PLANS, ROADWAY STANDARD DRAWINGS, OR AS DIRECTED BY THE ENGINEER. CONDUCT THE WORK SO THAT ALL PERSONNEL AND/OR EQUIPMENT REMAIN WITHIN THE CLOSED TRAVEL LANE.
- F) 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**

- G) BACKFILL AT A 6:1 SLOPE UP TO THE EDGE AND ELEVATION OF EXISTING PAVEMENT IN AREAS ADJACENT TO AN OPEN TRAVEL LANE THAT HAS A DROP-OFF AS FOLLOWS:  
  
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.
- H) DO NOT EXCEED A DIFFERENCE OF 2 INCHES IN ELEVATION BETWEEN OPEN LANES OF TRAFFIC FOR NOMINAL LIFTS OF 1.5 INCHES. INSTALL ADVANCE WARNING "UNEVEN LANES" SIGNS (W8-11) 500 FT IN ADVANCE AND A MINIMUM OF ONCE EVERY HALF MILE THROUGHOUT THE UNEVEN AREA.

**TRAFFIC PATTERN ALTERATIONS**

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

**SIGNING**

- J) 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.
- K) PROVIDE SIGNING AND DEVICES REQUIRED TO CLOSE THE ROAD ACCORDING TO THE ROADWAY STANDARD DRAWINGS AND TRANSPORTATION MANAGEMENT PLANS.  
  
PROVIDE SIGNING REQUIRED FOR THE OFF-SITE DETOUR ROUTE AS SHOWN IN THE TRANSPORTATION MANAGEMENT PLANS.
- L) COVER OR REMOVE ALL SIGNS AND DEVICES REQUIRED TO CLOSE THE ROAD WHEN ROAD CLOSURE IS NOT IN OPERATION.  
  
COVER OR REMOVE ALL SIGNS REQUIRED FOR THE OFF-SITE DETOUR WHEN THE DETOUR IS NOT IN OPERATION.
- M) ENSURE ALL NECESSARY SIGNING IS IN PLACE PRIOR TO ALTERING ANY TRAFFIC PATTERN.
- N) INSTALL BLACK ON ORANGE "DIP" SIGNS (W8-2) AND/OR "BUMP" SIGNS (W8-1) 500 FT IN ADVANCE OF THE UNEVEN AREA, OR AS DIRECTED BY THE ENGINEER.

**TRAFFIC CONTROL DEVICES**

- O) WHEN LANE CLOSURES ARE NOT IN EFFECT SPACE CHANNELIZING DEVICES IN WORK AREAS NO GREATER IN FEET THAN TWICE THE POSTED SPEED LIMIT (25 - 35 MPH), EXCEPT 10 FT ON-CENTER IN RADII, AND 3 FT OFF THE EDGE OF AN OPEN TRAVELWAY. REFER TO STANDARD SPECIFICATIONS FOR ROADS AND STRUCTURES SECTIONS 1130 (DRUMS) AND 1135 (CONES) FOR ADDITIONAL REQUIREMENTS.
- P) PLACE TYPE III BARRICADES WITH "ROAD CLOSED" SIGN R11-2 ATTACHED, OF SUFFICIENT LENGTH TO CLOSE ENTIRE ROADWAY.

**PAVEMENT MARKINGS AND MARKERS**

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


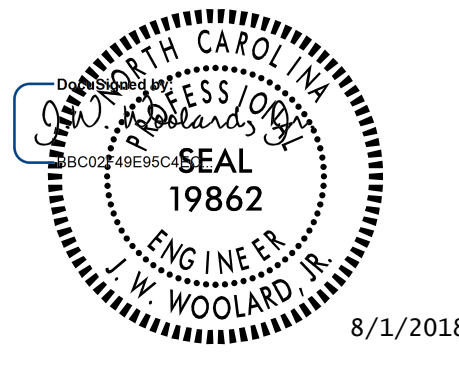
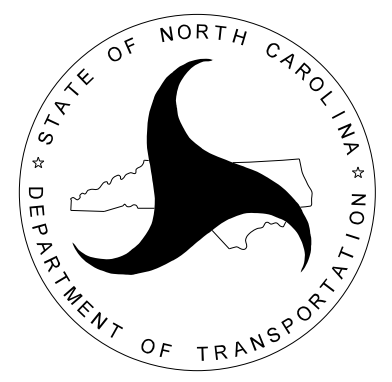
ROAD NAME	MARKING	MARKER
ALL ROADS	PAINT	NONE

- R) 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.
- S) TIE PROPOSED PAVEMENT MARKING LINES TO EXISTING PAVEMENT MARKING LINES.
- T) REMOVE/REPLACE ANY CONFLICTING/DAMAGED PAVEMENT MARKINGS AND MARKERS BY THE END OF EACH DAY'S OPERATION.
- U) TRACE THE PROPOSED MONOLITHIC ISLAND LOCATIONS WITH THE PROPER COLOR PAVEMENT MARKING PRIOR TO INSTALLATION. PLACE DRUMS OR CONES TO DELINEATE ANY PROPOSED MONOLITHIC ISLANDS BEFORE INSTALLATION.

**MISCELLANEOUS**

- V) USE LAW ENFORCEMENT TO MAINTAIN TRAFFIC THROUGH THE WORK AREA AND OR INTERSECTIONS AS SHOWN IN PLANS OR DIRECTED BY THE ENGINEER.
- W) IN THE EVENT A TIE-IN CANNOT BE MADE IN ONE DAY'S TIME, BRING THE TIE-IN AREA TO AN APPROPRIATE ROADWAY ELEVATION AS DETERMINED BY THE ENGINEER. PLACE BLACK ON ORANGE "LOOSE GRAVEL" SIGNS (W8-7) AND BLACK ON ORANGE "PAVEMENT ENDS" SIGNS (W8-3) (500 FT) AND (1000 FT) RESPECTIVELY IN ADVANCE OF THE UNEVEN AREAS. USE DRUMS TO DELINEATE THE EDGE OF ROADWAY ALONG UNPAVED AREAS.
- X) ALL CURB RAMP LOCATIONS SHALL BE DERIVED FROM STATIONING SHOWN ON PAVEMENT MARKING PLANS OR AS DIRECTED BY THE ENGINEER IN COORDINATION WITH THE SIGNING AND DELINEATION UNIT.
- Y) MAINTAIN VEHICULAR ACCESS TO ALL DRIVEWAYS DURING THE LIFE OF THE CONTRACT, UNLESS OTHERWISE NOTED IN THE PHASING OR DIRECTED BY THE ENGINEER. USE INCIDENTAL STONE WHEN NECESSARY.
- Z) ALL DIMENSIONS AND STATIONS IN THE TRANSPORTATION MANAGEMENT PLAN AND PHASING ARE APPROXIMATE (+/-); FIELD ADJUST AS NECESSARY OR AS DIRECTED BY THE ENGINEER.
- AA) USE LAW ENFORCEMENT TO DIRECT TRAFFIC AND ENFORCE ROAD CLOSURES. LOCATIONS SHOWN IN THE PLANS ARE APPROXIMATE AND MAY BE REVISED AS THE OFFICER OR THE ENGINEER DEEM NECESSARY.
- BB) CHANGEABLE MESSAGE SIGN MESSAGES SHOWN ARE EXAMPLES. OTHER MESSAGES MAY BE USED AS CONDITIONS WARRANT. ALL MESSAGES AND LOCATIONS MUST BE APPROVED BY THE ENGINEER PRIOR TO INCORPORATING.
- CC) COMPLETE ANY PROPOSED OR TEMPORARY WIDENING IN SUCH A MANNER THAT PONDING OF WATER WILL NOT OCCUR IN THE TRAVEL LANE.
- DD) MAINTAIN ALL EXISTING SIGNING ON PROJECT (WARNING, REGULATORY AND GUIDE SIGNS). WHERE CONSTRUCTION AFFECTS THE LOCATION OF A SIGN, RELOCATE AS NECESSARY, OR INSTALL REPLACEMENT SUCH THAT THE FUNCTION OF THE SIGN IS MAINTAINED AT ALL TIMES. DURING RELOCATION OF STOP SIGNS PROVIDE FLAGGERS WITH "FLAGGER AHEAD" (W20-7a) AND "BE PREPARED TO STOP" (W3-4) SIGNS AS NECESSARY TO MAINTAIN INTERSECTION TRAFFIC.

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 Stantec Consulting Services Inc. 801 Jones Franklin Road Suite 300 Raleigh, NC 27606 Tel. 919.851.6866 Fax. 919.851.7024 www.stantec.com License No. F-0672	 8/1/2018		<h2 style="margin: 0;">GENERAL NOTES</h2>
<p><b>DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED</b></p>			

SIGN NUMBER: SD-3  
 TYPE: STATIONARY  
 QUANTITY: SEE PLANS

SIGN WIDTH: 42"  
 HEIGHT: 12"  
 TOTAL AREA: 3.5 Sq.Ft.

BORDER TYPE: RECESSED  
 RADII: 1.5"  
 WIDTH: 0.44"  
 RECESS: 0.38"

NO. Z BARS:  
 LENGTH:

BACKG COLOR: Fluorescent Orange  
 COPY COLOR: Black

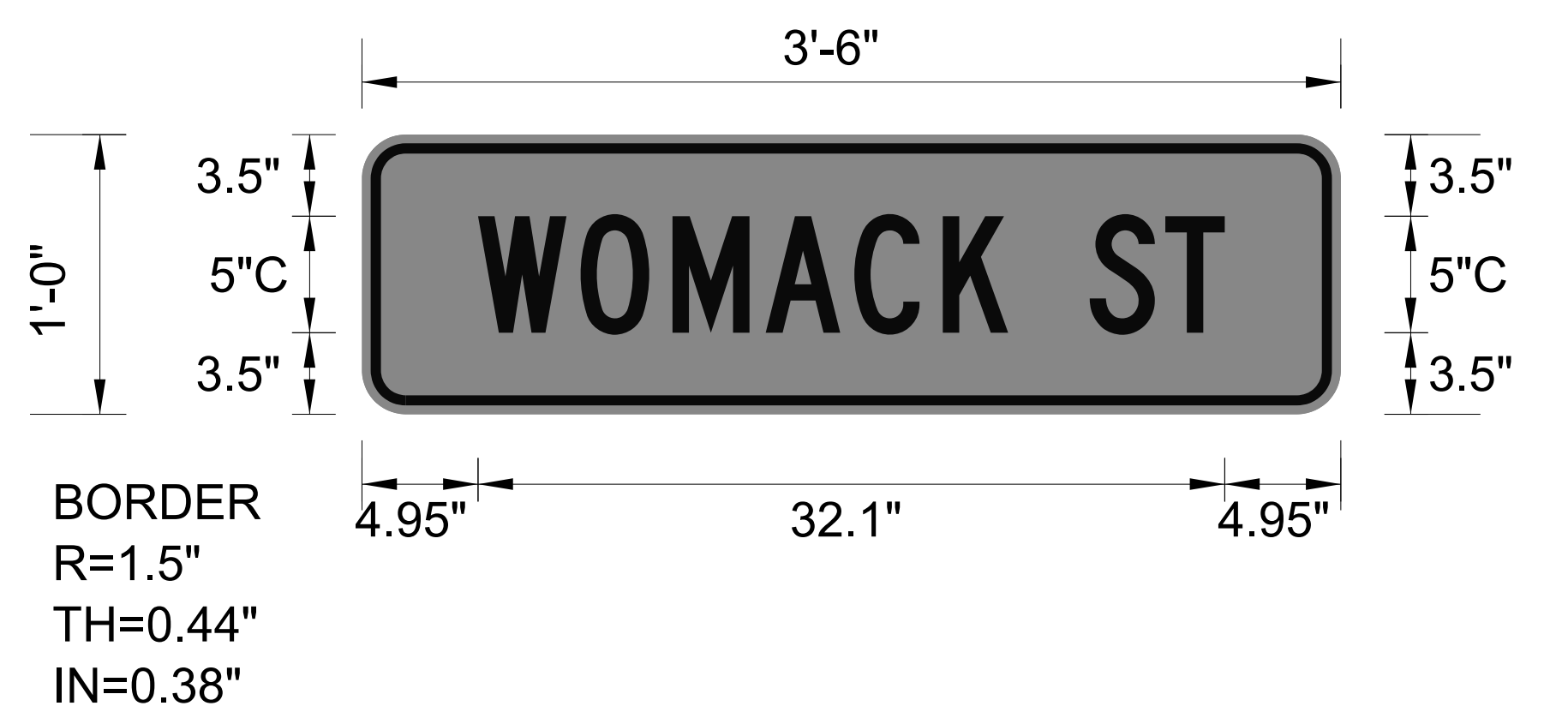
SYMBOL	X	Y	WID	HT

MAT'L: 0.080" (2.0MM) ALUMINUM

DESIGN BY: RRH  
 PROJECT ID: U-5604

CHECKED BY: BLW  
 DIV: 14

DATE: Apr 24, 2017



- USE NOTES
1. Legend and border shall be direct applied black non-reflective sheeting.
  2. Background shall be NC GRADE B Fluorescent Orange retroreflective sheeting.

Spacing Factor is 1 unless specified otherwise

LETTER POSITIONS

Letter spacings are to start of next letter

	W	O	M	A	C	K	S	T													Series/Size Text Length	
5	4.4	4	4	3.8	3.8	2.8	3.5	3.3	2.6	5											C 2000 32.1	

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SIGN NUMBER: SD-2  
 TYPE: STATIONARY  
 QUANTITY: SEE PLANS

BACKG COLOR: Fluorescent Orange  
 COPY COLOR: Black

DESIGN BY: RRH  
 PROJECT ID: U-5604

CHECKED BY: BLW  
 DIV: 14

DATE: Apr 24, 2017

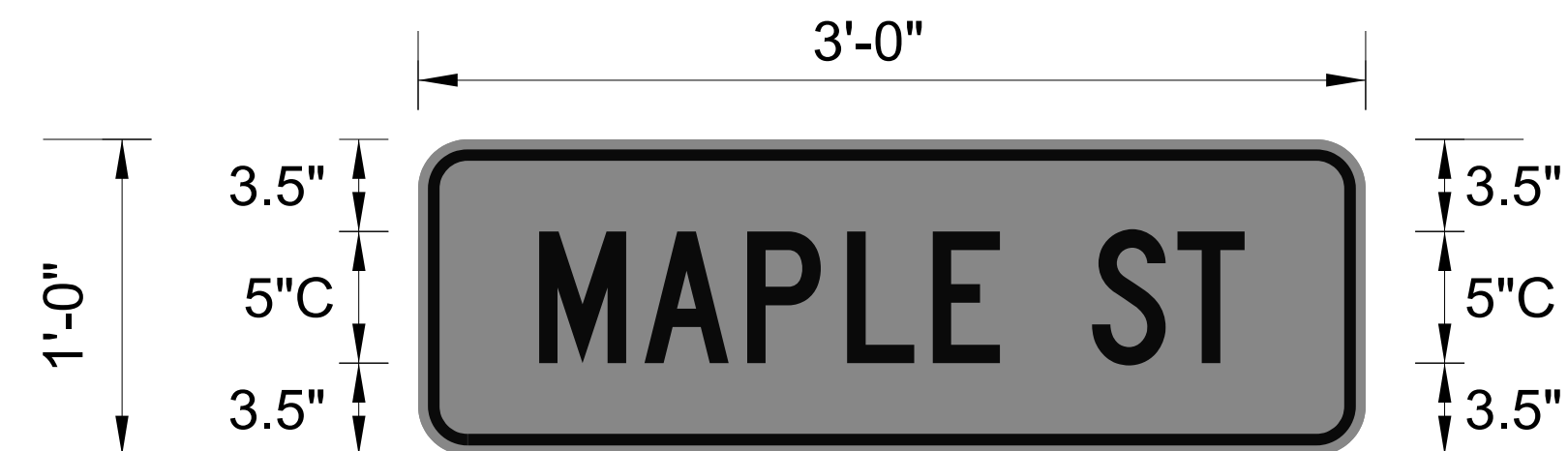
SIGN WIDTH: 36"  
 HEIGHT: 12"  
 TOTAL AREA: 3.0 Sq.Ft.

SYMBOL	X	Y	WID	HT

BORDER TYPE: RECESSED  
 RADII: 1.5"  
 WIDTH: 0.44"  
 RECESS: 0.38"

NO. Z BARS:  
 LENGTH:

MAT'L: 0.080" (2.0MM) ALUMINUM



BORDER  
 R=1.5"  
 TH=0.44"  
 IN=0.38"

Spacing Factor is 1 unless specified otherwise


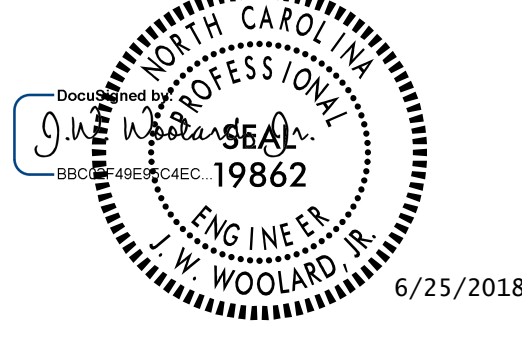
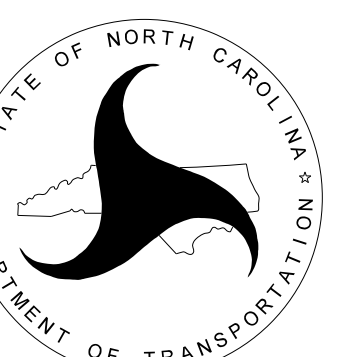
USE NOTES

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- Background shall be NC GRADE B Fluorescent Orange retroreflective sheeting.

LETTER POSITIONS

Letter spacings are to start of next letter										Series/Size Text Length
	M	A	P	L	E	S	T			C 2000
4.6	4	3.9	3.8	3.3	2.5	3.5	3.3	2.5	4.6	26.8

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SIGN NUMBER: SD-1  
 TYPE: STATIONARY  
 QUANTITY: SEE PLANS

SIGN WIDTH: 36"  
 HEIGHT: 12"  
 TOTAL AREA: 3.0 Sq.Ft.

BORDER TYPE: RECESSED  
 RADII: 1.5"  
 WIDTH: 0.44"  
 RECESS: 0.38"

NO. Z BARS:  
 LENGTH:

BACKG COLOR: Fluorescent Orange  
 COPY COLOR: Black

SYMBOL	X	Y	WID	HT

MAT'L: 0.080" (2.0MM) ALUMINUM

DESIGN BY: RRH  
 PROJECT ID: U-5604

CHECKED BY: BLW  
 DIV: 14

DATE: Jan 02, 2017



BORDER  
 R=1.5"  
 TH=0.44"  
 IN=0.38"

- USE NOTES
1. Legend and border shall be direct applied black non-reflective sheeting.
  2. Background shall be NC GRADE B Fluorescent Orange retroreflective sheeting.

Spacing Factor is 1 unless specified otherwise

LETTER POSITIONS

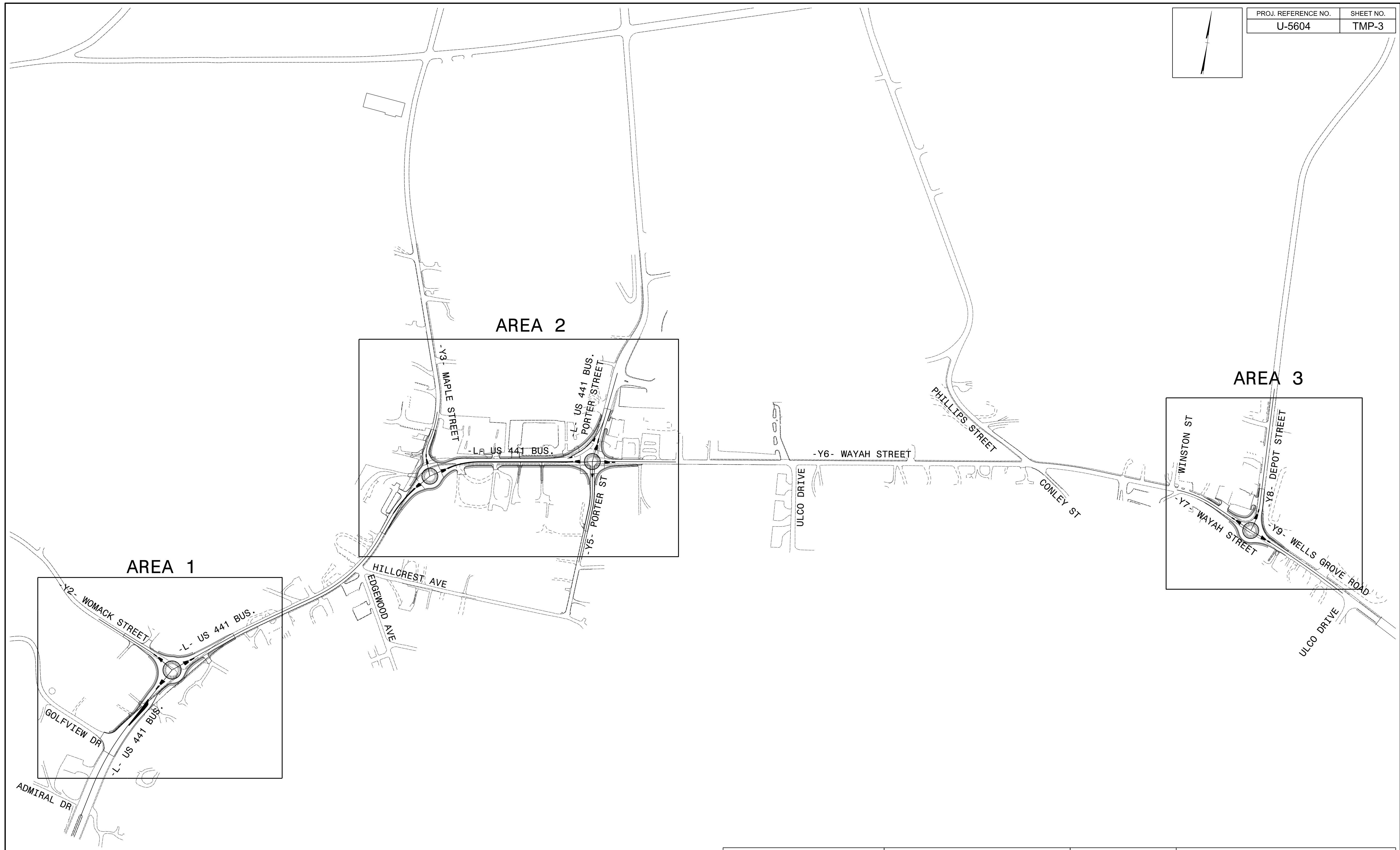
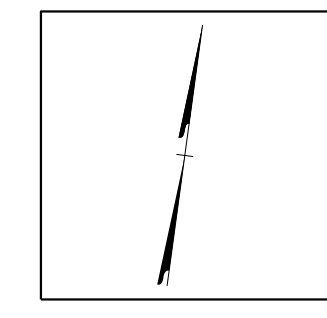
Letter spacings are to start of next letter

	W	A	Y	A	H	S	T													Series/Size Text Length
	4.5	4.1	3.5	3.5	3.9	2.8	3.5	3.3	2.6	4.5										C 2000
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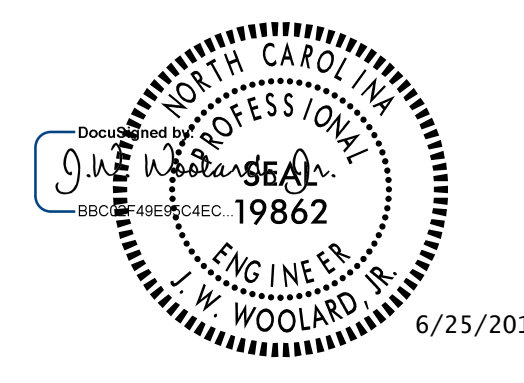
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U-5604	TMP-3



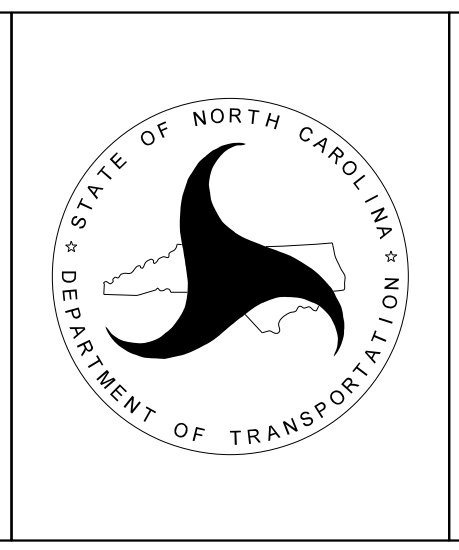
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AREA DESIGNATIONS



# PHASING

## AREA 1 ROUNDAABOUT -RBT1-

PRIOR TO ANY WORK OPERATIONS, INSTALL WORK ZONE ADVANCE WARNING SIGNS ON US 441 BUS. (-L-) AND -Y- LINES PER ROADWAY STANDARD DRAWING 1101.01, SHEET 3 OF 3.

USING TEMPORARY LANE CLOSURES (RSD 1101.02, SHEET 3 OF 14 AND SHEET 1 OF 14 AT -Y- LINES) AS REQUIRED, PERFORM THE FOLLOWING:

**PHASE I (TMP 4):**

**STEP 1:**

CONSTRUCT -DET1- FROM -DET1- STA. 11+78± TO STA. 17+25± AND MCCOY ST CONNECTION AWAY FROM TRAFFIC.

NOTE: DURING MONTHS WHEN FRANKLIN HIGH SCHOOL IS IN SESSION, THE CONTRACTOR MAY WORK ON WATER, SEWER, AND DRAINAGE PIPE INSTALLATION.

**INTERMEDIATE CONTRACT TIME SPECIAL PROVISION**

COMPLETE AREA 1 PHASE I STEP 2 THROUGH PHASE III STEP 3 DURING THE SUMMER MONTHS WHILE FRANKLIN HIGH SCHOOL IS NOT IN SESSION.

**INTERMEDIATE CONTRACT TIME SPECIAL PROVISION**

COMPLETE AREA 1 PHASE I STEP 2 AND PHASE II STEP 1 WITHIN A PERIOD OF ONE WEEKEND AND PRIOR TO IMPLEMENTING -Y3- MAPLE ST. OFFSITE DETOUR.

**STEP 2:**

IMPLEMENT WOMACK ST. OFFSITE DETOUR (TMP-4A), CLOSE -Y2- WOMACK ST., AND CONSTRUCT -DET1A- FROM STA. 10+00± TO STA. 11+85±.

**PHASE II (TMP 4B):**

**STEP 1:**

COMPLETE -DET1- TIE-INS, PLACE TEMPORARY MARKINGS ALONG -DET1- AND -DET1A- AND SWITCH US 441 BUS. AND WOMACK ST. TRAFFIC TO -DET1- AND -DET1A-.

\*COORDINATE TIME AND DATE OF TRAFFIC SHIFTS WITH THE ENGINEER.\*

**STEP 2:**

CONSTRUCT -RBT1- FROM -L- STA. 17+00± TO STA. 20+20± TO -Y2- STA. 13+50±.

**PHASE III (TMP 4C):**

**STEP 1:**

COMPLETE -L- AND -Y2- TIE-INS, KEYED-IN ISLAND CONSTRUCTION, PLACE TEMPORARY PAINT MARKINGS IN FINAL MARKING PATTERN, THEN OPEN -RBT1- TO US 441 BUS. AND WOMACK ST. TRAFFIC.

**STEP 2:**

REMOVE -DET1-.

**STEP 3:**

PAVE FINAL LAYER OF SURFACE COURSE, PLACE FINAL MARKINGS, REMOVE ALL TRAFFIC CONTROL DEVICES AND OPEN AREA 1 TO THE FINAL PATTERN.

## AREA 2 ROUNDAABOUTS -RBT2- AND -RBT3-

USING TEMPORARY LANE CLOSURES (RSD 1101.02, SHEET 1 OF 14) AS REQUIRED, PERFORM THE FOLLOWING IN A CONTINUOUS OPERATION:

**PHASE I (TMP 5):**

CONSTRUCT -DET2- FROM -DET2- STA. 10+93± TO STA. 14+67± AND -DET3- FROM -L- STA. 39+40± TO STA. 43+40± AWAY FROM TRAFFIC.

NOTE: DURING MONTHS WHEN FRANKLIN HIGH SCHOOL IS IN SESSION, THE CONTRACTOR MAY WORK ON WATER, SEWER, AND DRAINAGE PIPE INSTALLATION.

**INTERMEDIATE CONTRACT TIME SPECIAL PROVISION**

COMPLETE AREA 2 PHASE II STEP 1 THROUGH PHASE III STEP 3 DURING THE SUMMER MONTHS WHILE FRANKLIN HIGH SCHOOL IS NOT IN SESSION.

**PHASE II (TMP 5A):**

**STEP 1:**

COMPLETE -DET2- TIE-INS, PLACE TEMPORARY MARKINGS ALONG -DET2-, AND SWITCH US 441 BUS. TRAFFIC TO -DET2-.

INSTALL TEMPORARY DETOUR SIGNING AND PORTABLE MESSAGE BOARDS, IMPLEMENT -Y3- MAPLE ST. DETOUR, AND CLOSE -Y3- MAPLE ST.

REFER TO TMP-5B FOR -Y3- MAPLE ST. OFFSITE DETOUR.

NOTE: CONSTRUCTION OF -DET1A- AND WOMACK ST. OFFSITE DETOUR MUST BE COMPLETED BEFORE CLOSING -Y3- MAPLE ST.

INSTALL TEMPORARY DETOUR SIGNING AND PORTABLE MESSAGE BOARDS, IMPLEMENT -Y6- WAYAH ST. DETOUR, AND CLOSE -Y6- WAYAH ST AND -Y5- PORTER ST.

REFER TO TMP-5C SHEET FOR -Y6- WAYAH ST. OFFSITE DETOUR.

NOTE: -Y6- AND -Y7- WAYAH ST. MAY NOT BE CLOSED AT THE SAME TIME.

COMPLETE -DET3- AND TIE-INS, PLACE TEMPORARY MARKINGS ALONG -DET3-, AND SWITCH US 441 BUS. TRAFFIC TO -DET3-.

\*COORDINATE TIME AND DATE OF TRAFFIC SHIFTS WITH THE ENGINEER.\*

**STEP 2:**

CONSTRUCT -RBT2- FROM -L- STA. 32+50± TO STA. 35+50± TO -Y3- STA. 10+84± AND -RBT3- FROM -L- STA. 41+00± TO STA. 42+20± TO -Y6- STA. 12+30± AND TO -Y5- STA. 13+20±.

**PHASE III (TMP 5D):**

**STEP 1:**

COMPLETE -L- AND -Y3- TIE-INS, KEYED-IN ISLAND CONSTRUCTION, PLACE TEMPORARY PAINT MARKINGS IN FINAL MARKING PATTERN, THEN OPEN -RBT2- TO US 441 BUS. AND MAPLE ST. TRAFFIC.

COMPLETE -L- TIE-INS, KEYED-IN ISLAND CONSTRUCTION, PLACE TEMPORARY PAINT MARKINGS IN FINAL MARKING PATTERN, THEN OPEN -RBT3- TO US 441 BUS. AND WAYAH ST. TRAFFIC.

**STEP 2:**

REMOVE -DET2-.

REMOVE -DET3- AND COMPLETE -R1-.

**STEP 3:**

PAVE FINAL LAYER OF SURFACE COURSE, PLACE FINAL MARKINGS, REMOVE ALL TRAFFIC CONTROL DEVICES AND OPEN AREA 2 TO THE FINAL PATTERN.

## AREA 3 ROUNDAABOUT -RBT4-

USING TEMPORARY LANE CLOSURES (RSD 1101.02, SHEET 1 OF 14 AT -Y- LINES) AS REQUIRED, PERFORM THE FOLLOWING:

**PHASE I (TMP 6):**

CONSTRUCT -DET4- FROM -DET4- STA. 11+20± TO STA. 12+85± AWAY FROM TRAFFIC.

NOTE: DURING MONTHS WHEN FRANKLIN HIGH SCHOOL IS IN SESSION, THE CONTRACTOR MAY WORK ON WATER, SEWER, AND DRAINAGE PIPE INSTALLATION.

**INTERMEDIATE CONTRACT TIME SPECIAL PROVISION**

COMPLETE AREA 3 PHASE II STEP 1 THROUGH PHASE III STEP 3 DURING THE SUMMER MONTHS WHILE FRANKLIN HIGH SCHOOL IS NOT IN SESSION.

**PHASE II (TMP 6A):**

**STEP 1:**

INSTALL TEMPORARY DETOUR SIGNING AND PORTABLE MESSAGE BOARDS, IMPLEMENT -Y7- WAYAH ST. DETOUR, AND CLOSE -Y7- WAYAH ST.

REFER TO TMP-5C FOR -Y7- WAYAH ST. OFFSITE DETOUR.

COMPLETE -DET4- TIE-INS, PLACE TEMPORARY MARKINGS ALONG -DET4-, AND SWITCH WELLS GROVE RD./DEPOT ST. TRAFFIC TO -DET4-.

NOTE: -Y6- AND -Y7- WAYAH ST. MAY NOT BE CLOSED AT THE SAME TIME.

\*COORDINATE TIME AND DATE OF TRAFFIC SHIFTS WITH THE ENGINEER.\*

**STEP 2:**

CONSTRUCT -RBT4- FROM -Y7- STA. 11+40± TO -Y8- STA. 15+50± TO -Y9- STA. 11+00±.

**PHASE III (TMP 6B):**

**STEP 1:**

COMPLETE -Y8- AND -Y9- TIE-INS, KEYED-IN ISLAND CONSTRUCTION, PLACE TEMPORARY PAINT MARKINGS IN FINAL MARKING PATTERN, THEN OPEN -RBT4- TO TRAFFIC.

**STEP 2:**

REMOVE -DET4-.

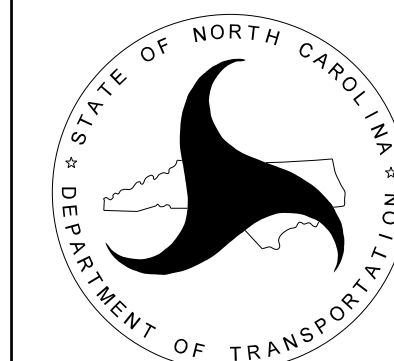
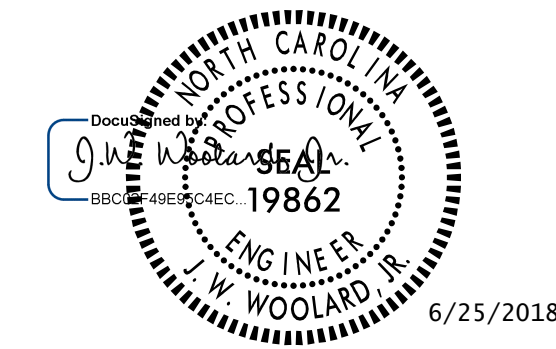
**STEP 3:**

PAVE FINAL LAYER OF SURFACE COURSE, PLACE FINAL MARKINGS, REMOVE ALL TRAFFIC CONTROL DEVICES AND OPEN AREA 3 TO THE FINAL PATTERN.

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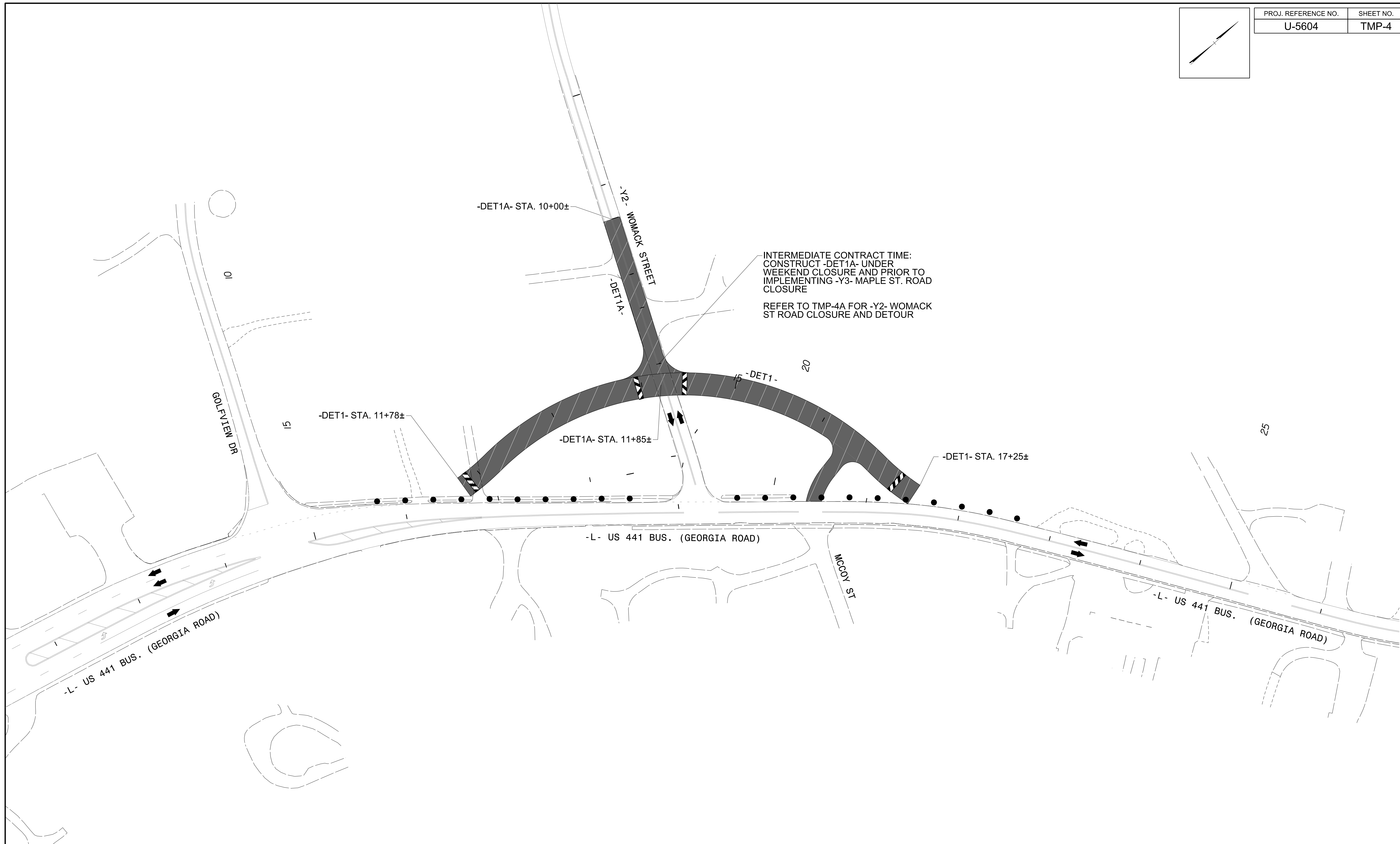
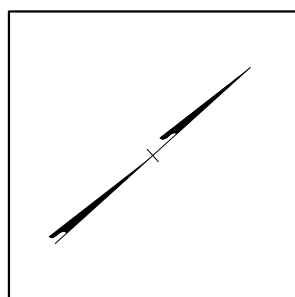
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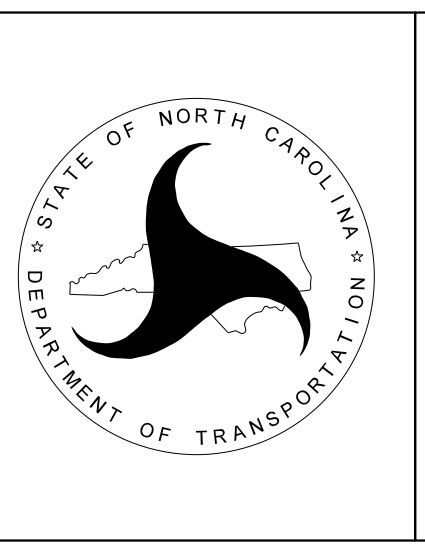
PROJ. REFERENCE NO.	SHEET NO.
U-5604	TMP-4



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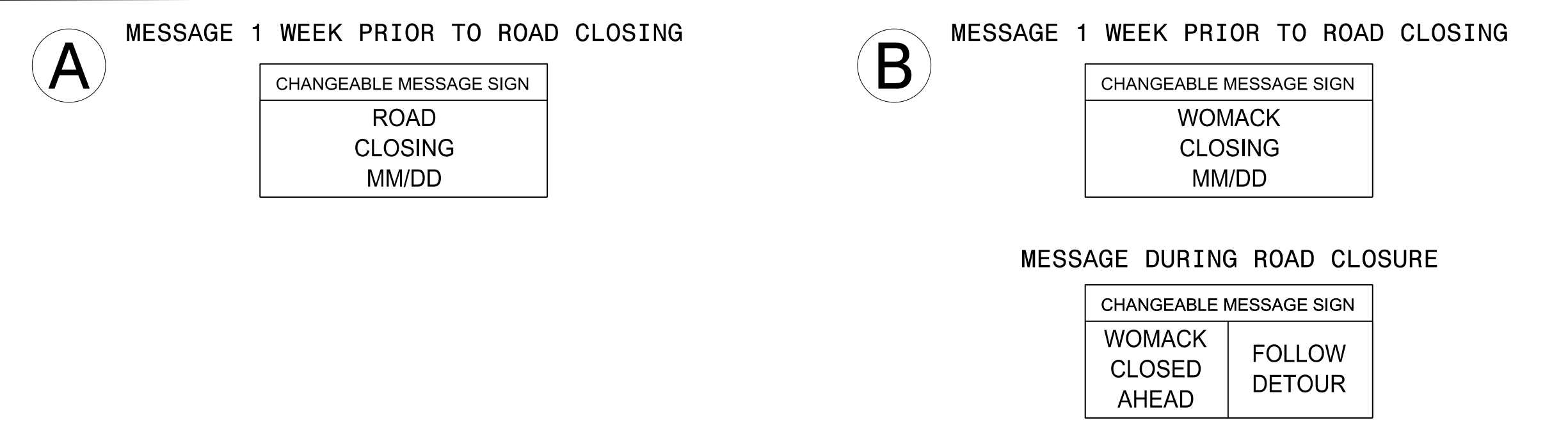
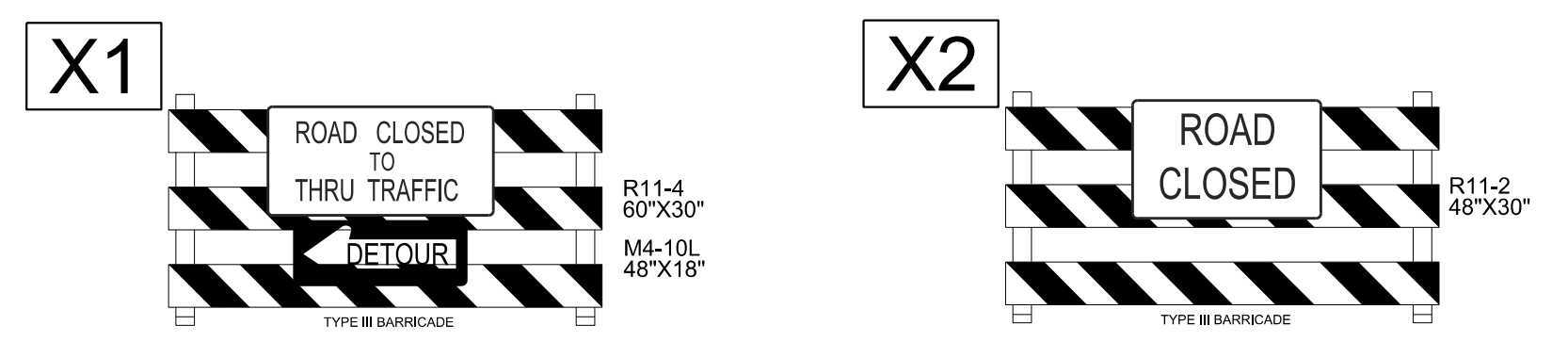
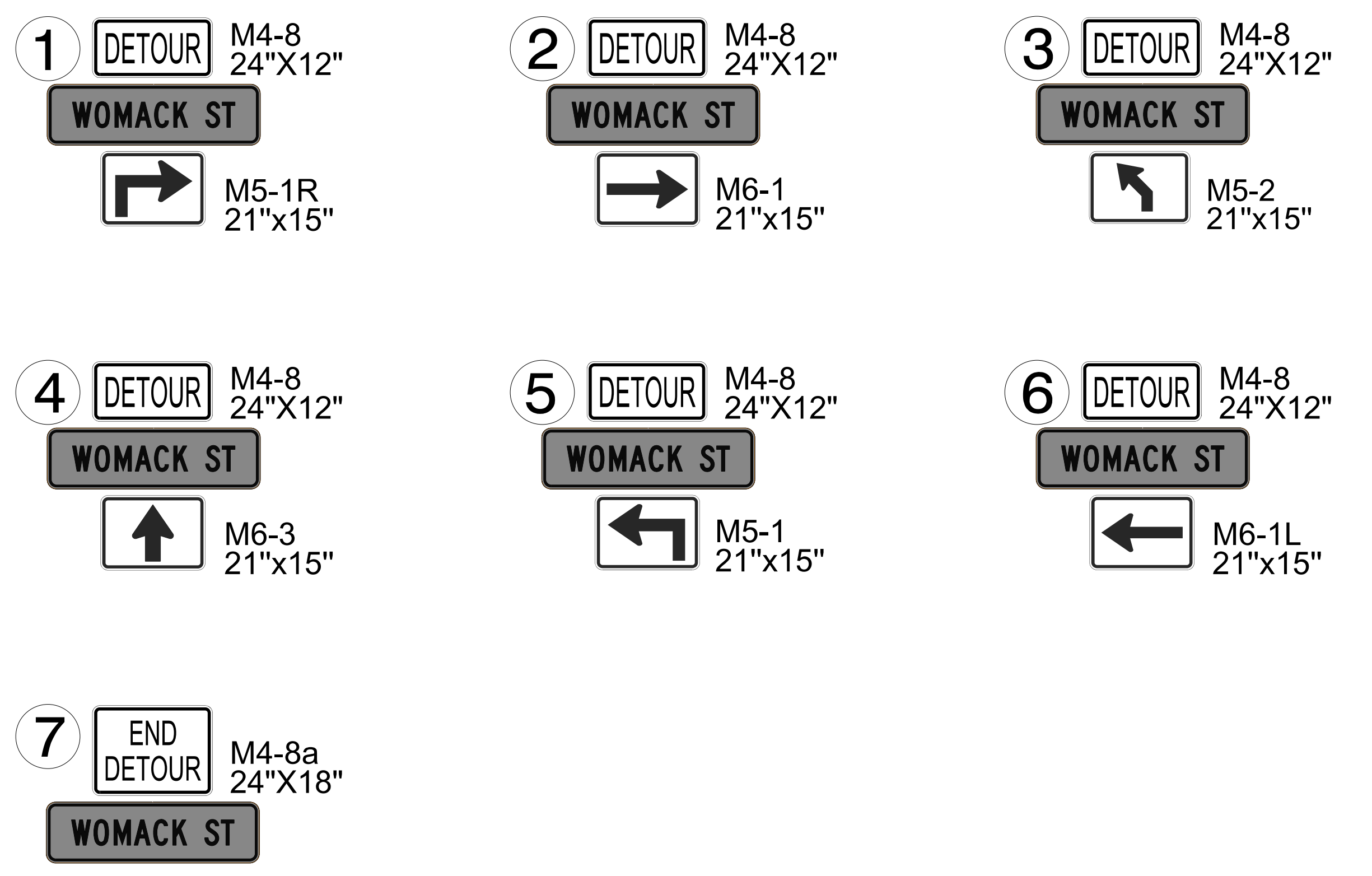
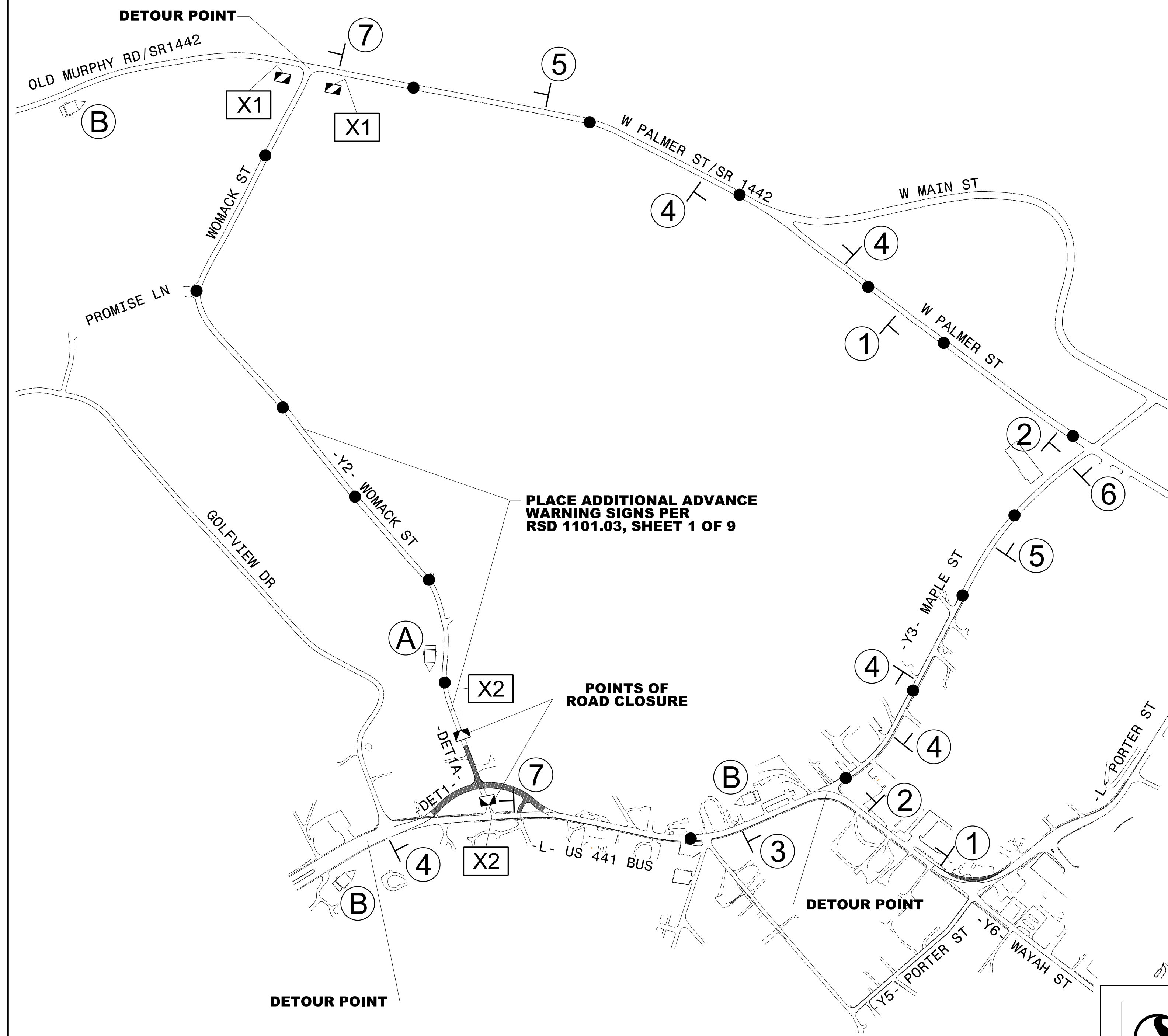
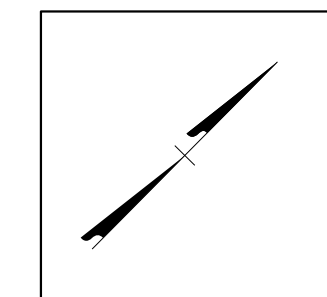
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**AREA 1  
 PHASE I**

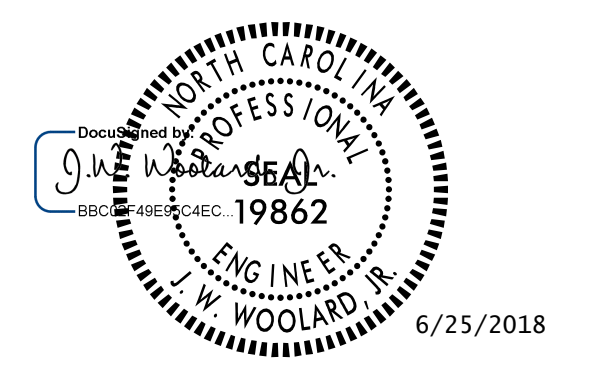
WEEKEND CLOSURE OF -Y2- WOMACK ST TO CONSTRUCT -DET1A-

● -Y2- WOMACK STREET DETOUR

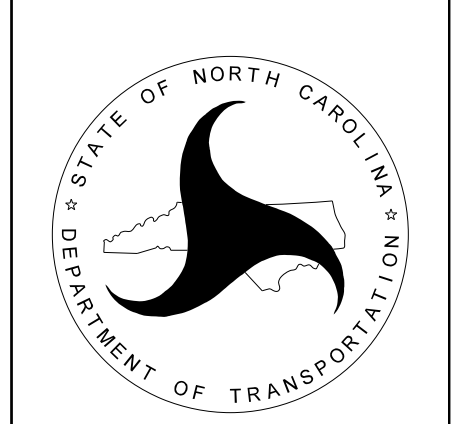


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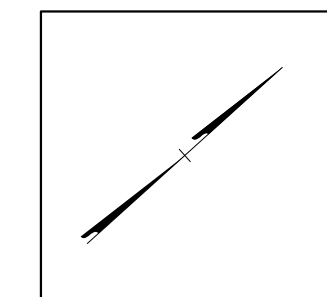
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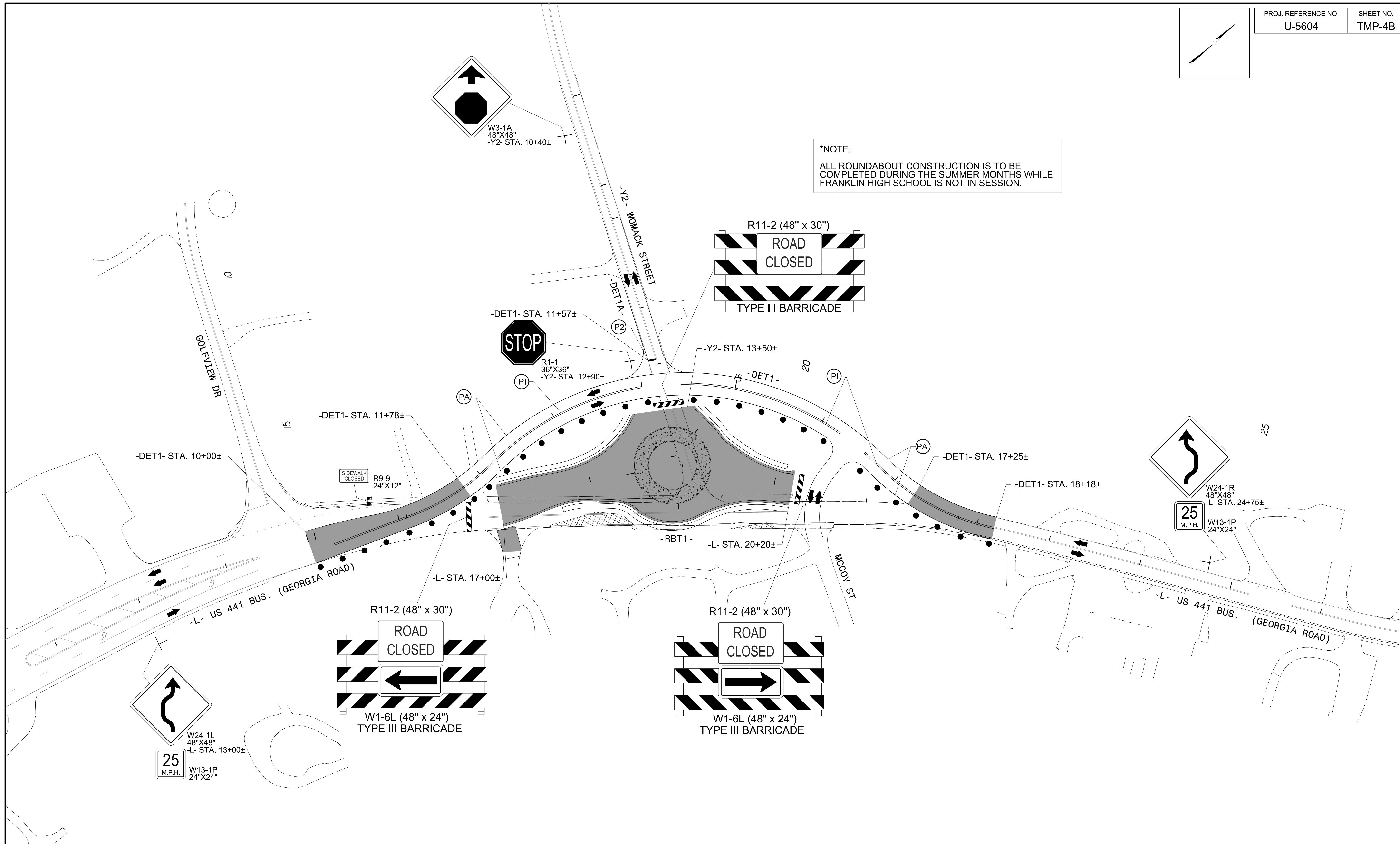
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WOMACK ST -Y2-  
 DETOUR ROUTE



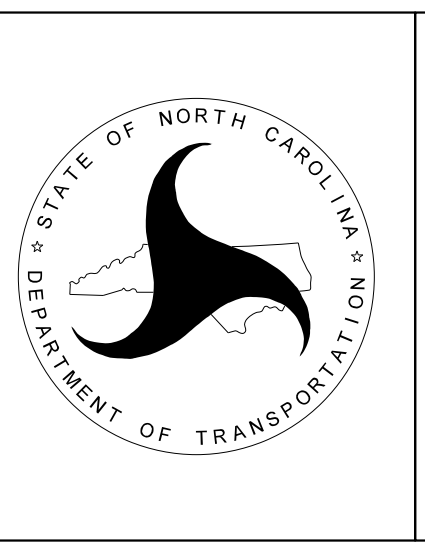
**\*NOTE:**  
 ALL ROUNDABOUT CONSTRUCTION IS TO BE COMPLETED DURING THE SUMMER MONTHS WHILE FRANKLIN HIGH SCHOOL IS NOT IN SESSION.



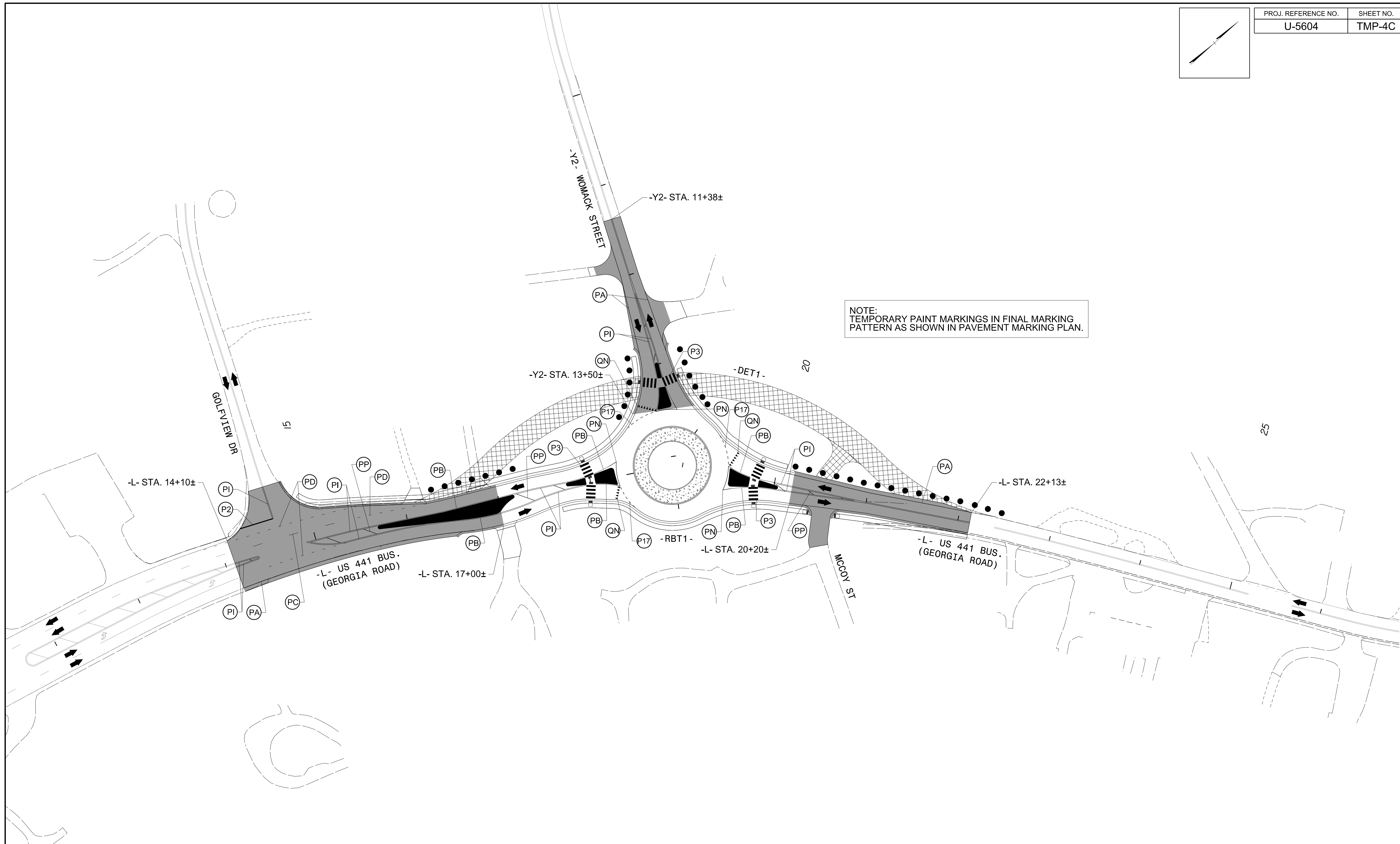
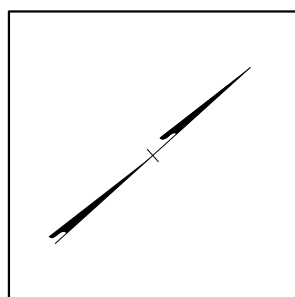
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**AREA 1  
 PHASE II**

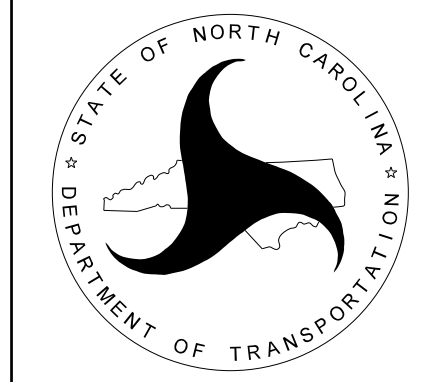


NOTE:  
TEMPORARY PAINT MARKINGS IN FINAL MARKING  
PATTERN AS SHOWN IN PAVEMENT MARKING PLAN.

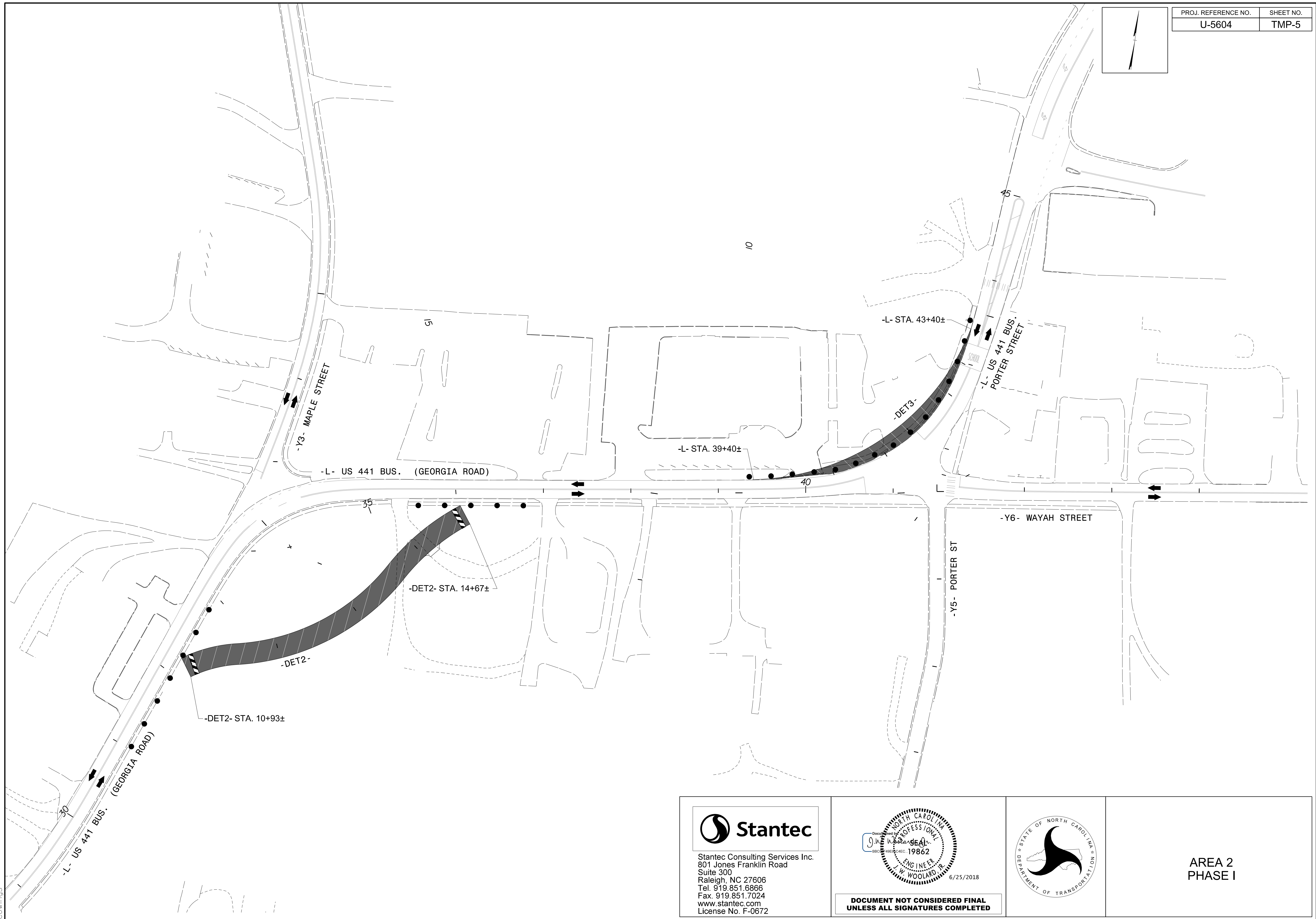
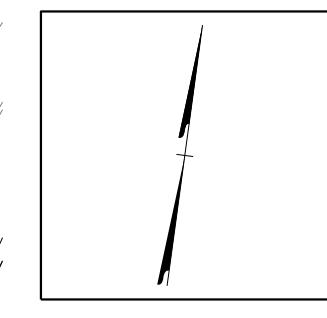
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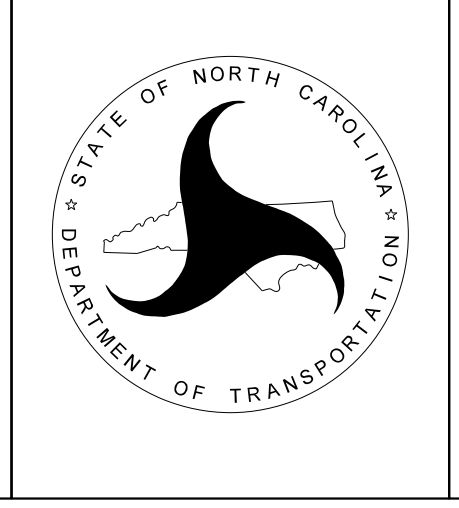
**AREA 1  
PHASE III**



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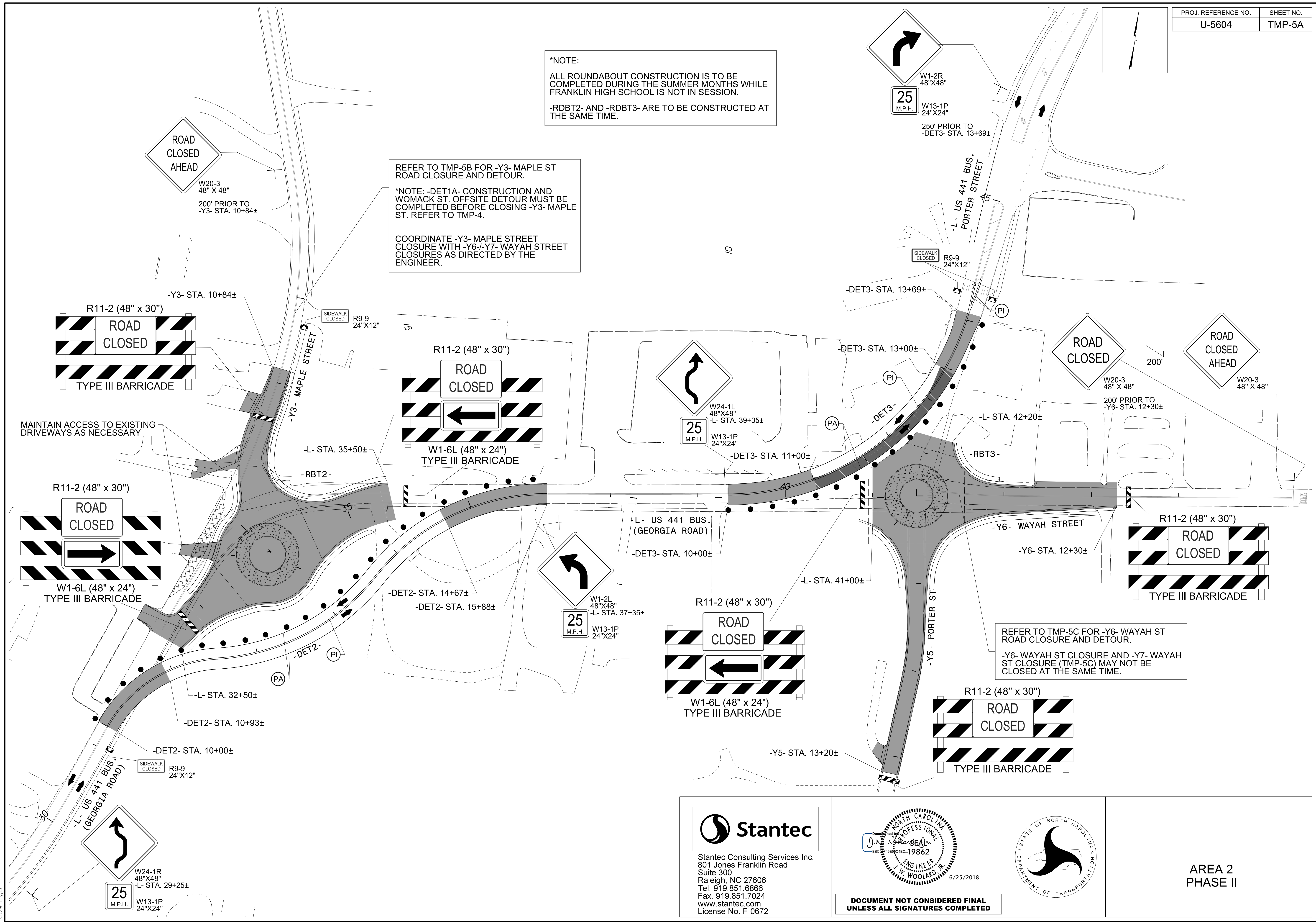


**AREA 2  
 PHASE I**

**\*NOTE:**  
 ALL ROUNDABOUT CONSTRUCTION IS TO BE COMPLETED DURING THE SUMMER MONTHS WHILE FRANKLIN HIGH SCHOOL IS NOT IN SESSION.  
 -RDBT2- AND -RDBT3- ARE TO BE CONSTRUCTED AT THE SAME TIME.

REFER TO TMP-5B FOR -Y3- MAPLE ST ROAD CLOSURE AND DETOUR.  
 \*NOTE: -DET1A- CONSTRUCTION AND WOMACK ST. OFFSITE DETOUR MUST BE COMPLETED BEFORE CLOSING -Y3- MAPLE ST. REFER TO TMP-4.  
 COORDINATE -Y3- MAPLE STREET CLOSURE WITH -Y6-/-Y7- WAYAH STREET CLOSURES AS DIRECTED BY THE ENGINEER.

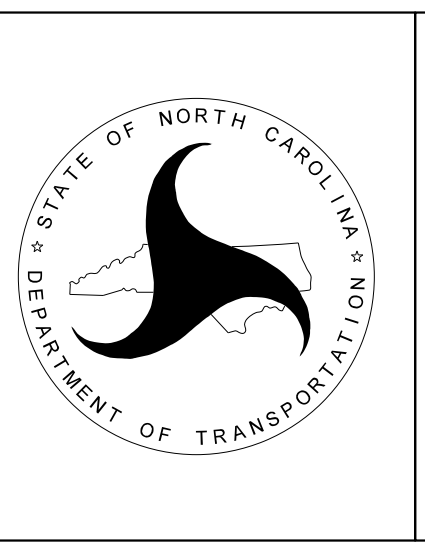
REFER TO TMP-5C FOR -Y6- WAYAH ST ROAD CLOSURE AND DETOUR.  
 -Y6- WAYAH ST CLOSURE AND -Y7- WAYAH ST CLOSURE (TMP-5C) MAY NOT BE CLOSED AT THE SAME TIME.



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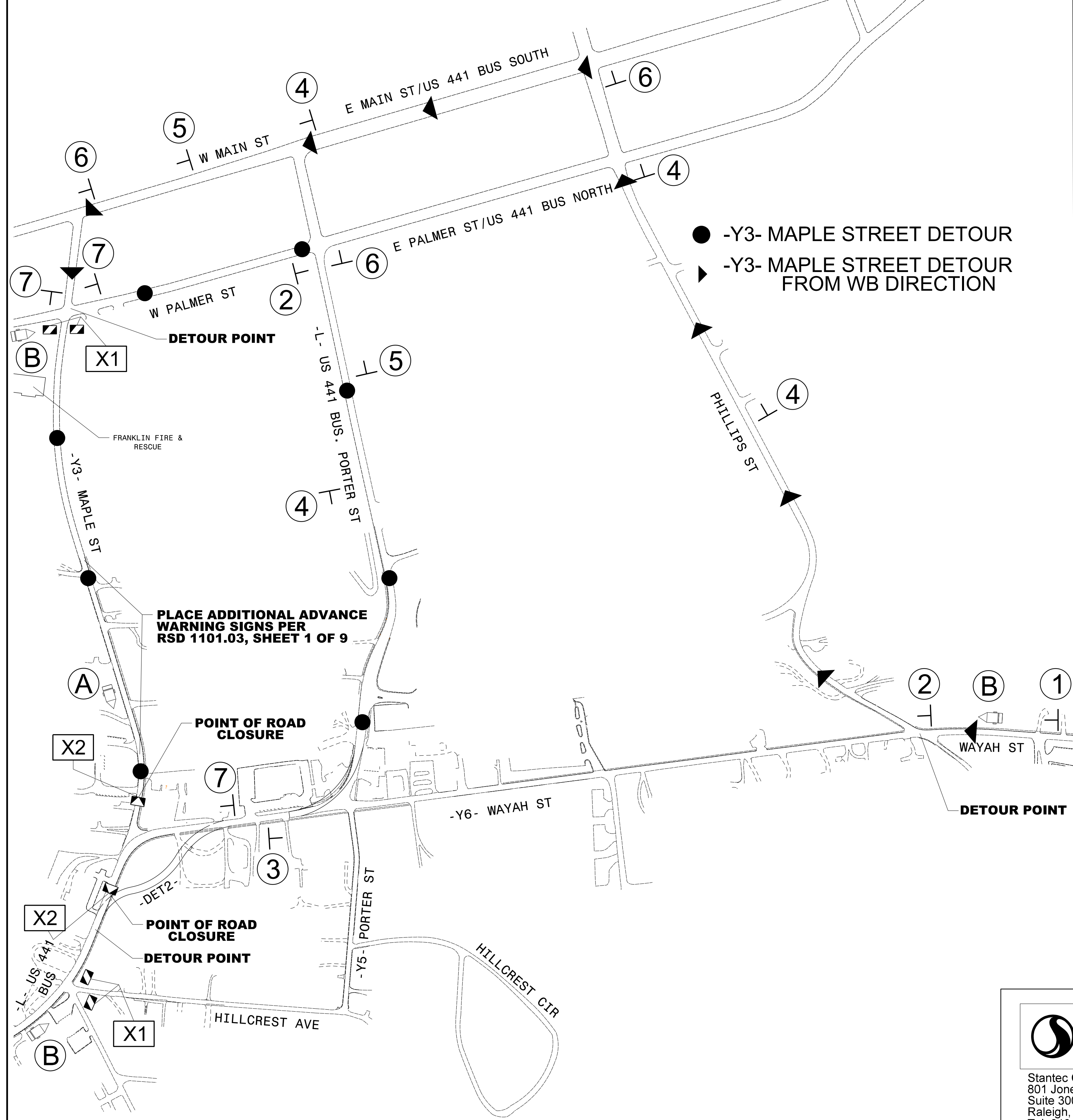
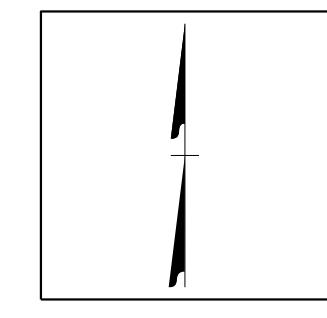
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 J. M. WOODWARD  
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 W. WOOLARD, R.  
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AREA 2  
 PHASE II

COORDINATE -Y3- MAPLE STREET CLOSURE WITH -Y6-/-Y7- WAYAH STREET CLOSURES AS DIRECTED BY THE ENGINEER.

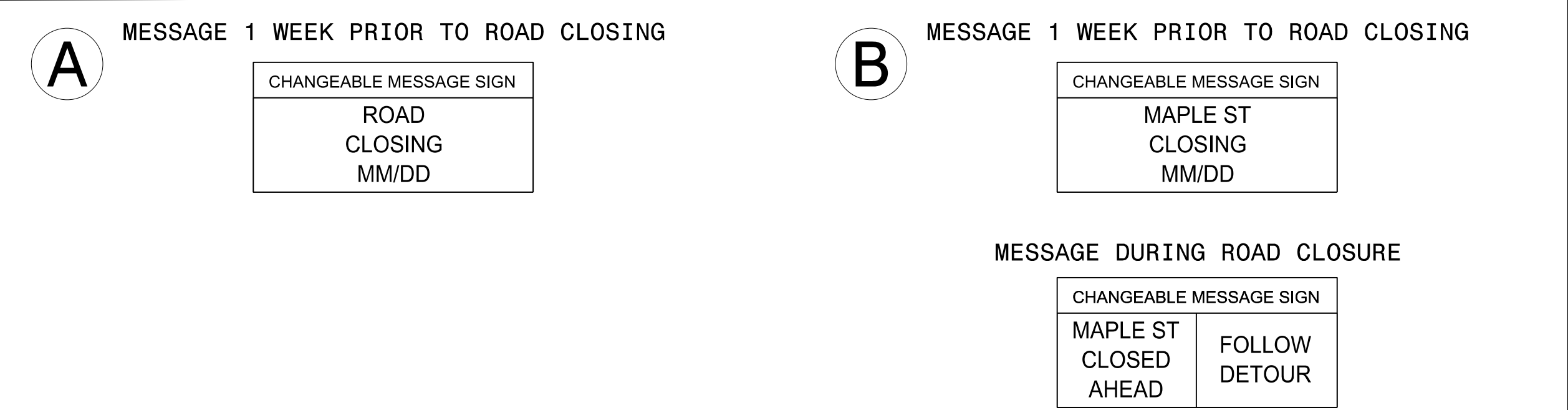
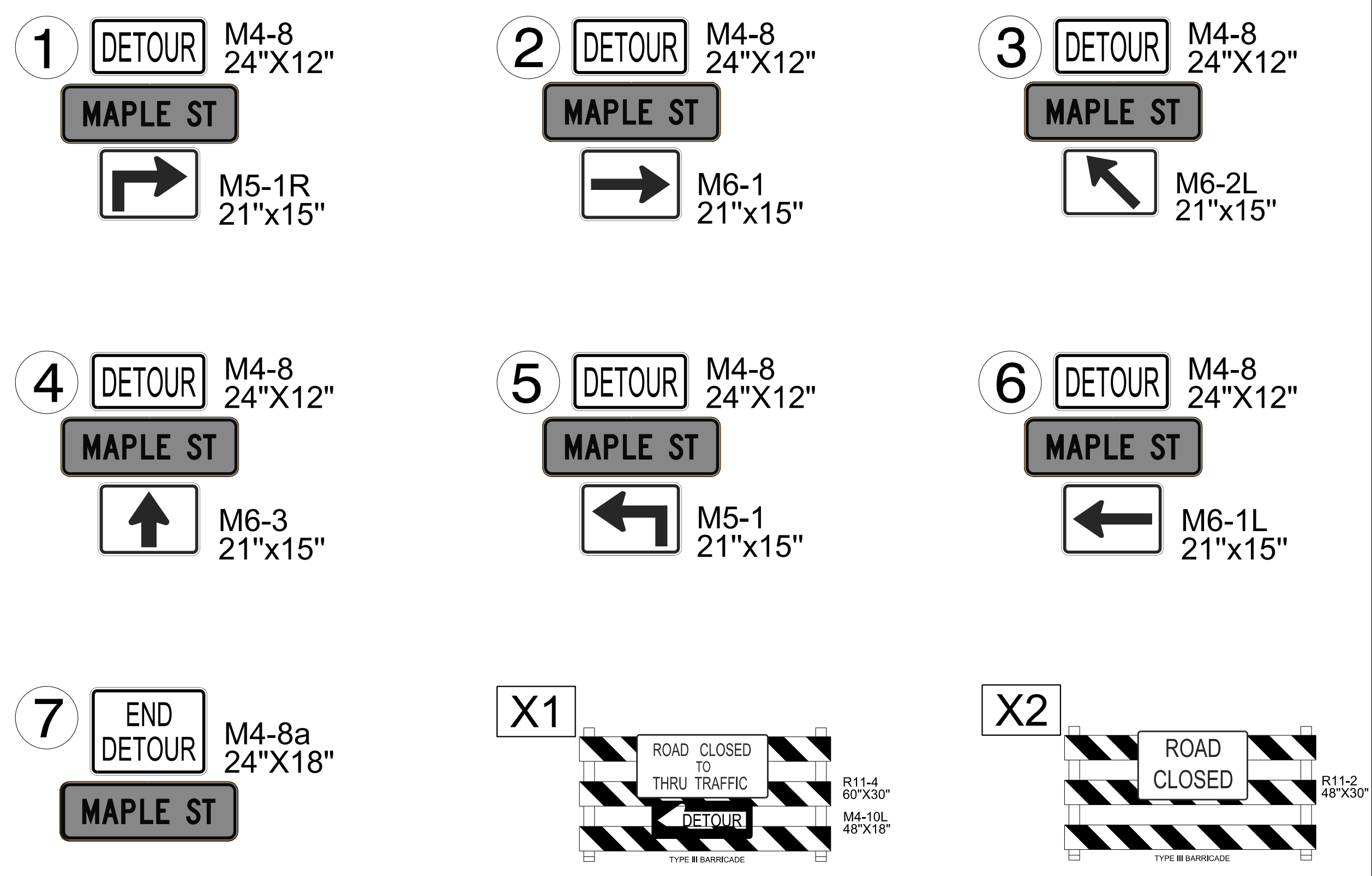


● -Y3- MAPLE STREET DETOUR  
 ▲ -Y3- MAPLE STREET DETOUR FROM WB DIRECTION

PLACE ADDITIONAL ADVANCE WARNING SIGNS PER RSD 1101.03, SHEET 1 OF 9

POINT OF ROAD CLOSURE

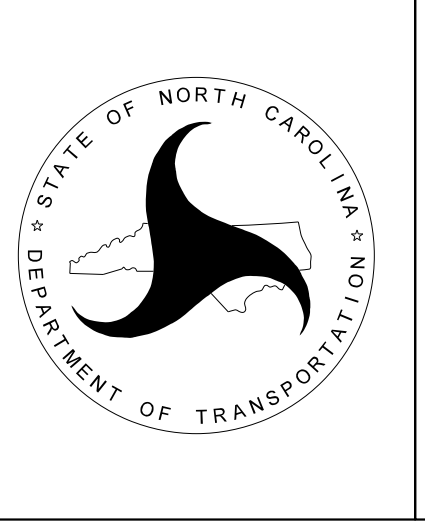
POINT OF ROAD CLOSURE  
 DETOUR POINT



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Professional Engineer  
 J. W. Woolard, R.  
 19862  
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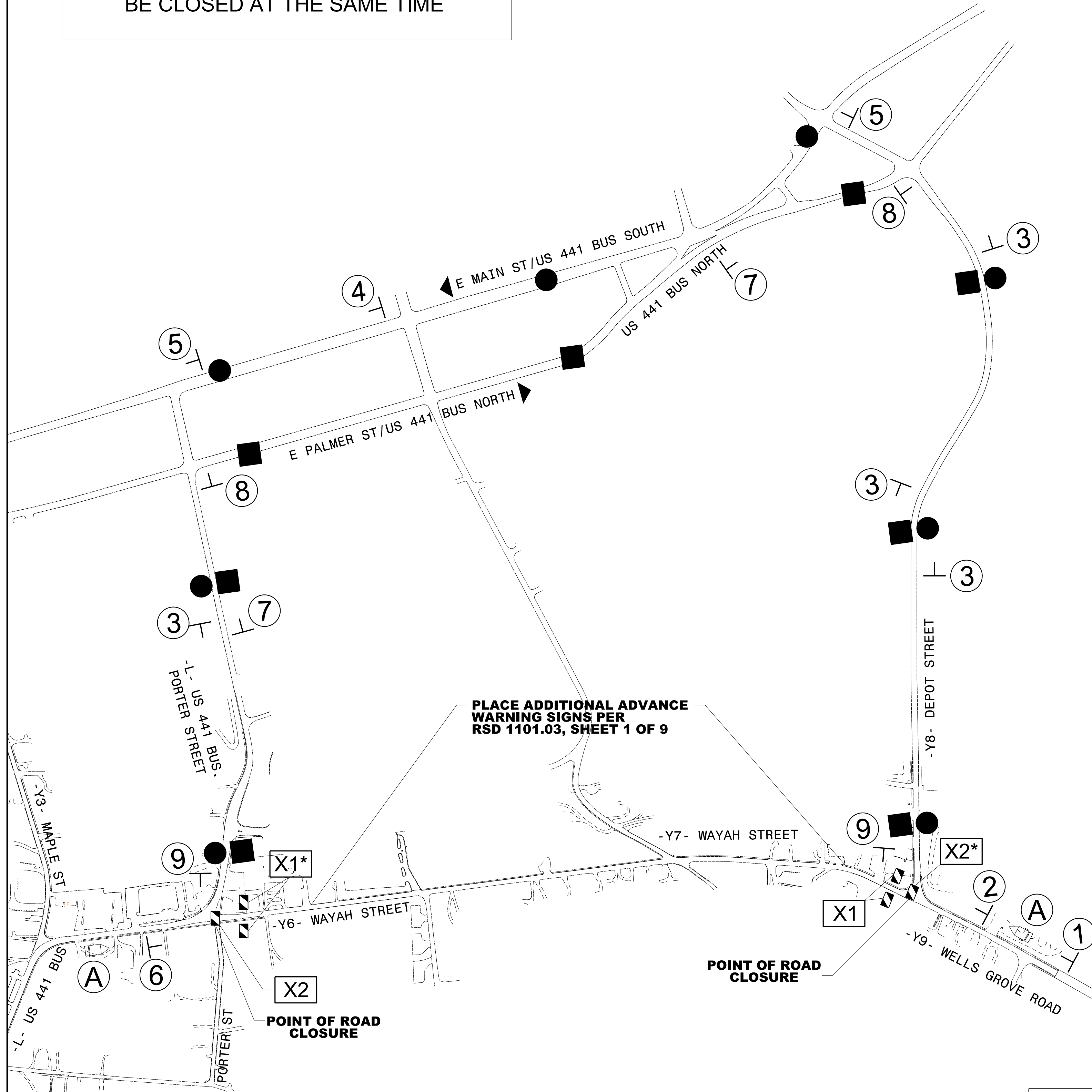
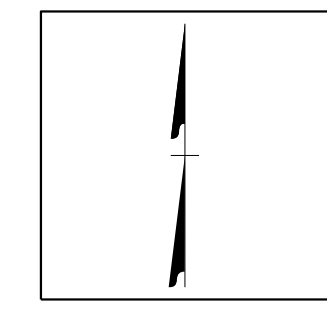


MAPLE ST -Y3-  
 DETOUR ROUTE



-Y6- AND -Y7- WAYAH STREET MAY NOT BE CLOSED AT THE SAME TIME

- -Y7- WAYAH STREET WB DETOUR ROUTE
- -Y6- WAYAH STREET EB DETOUR ROUTE



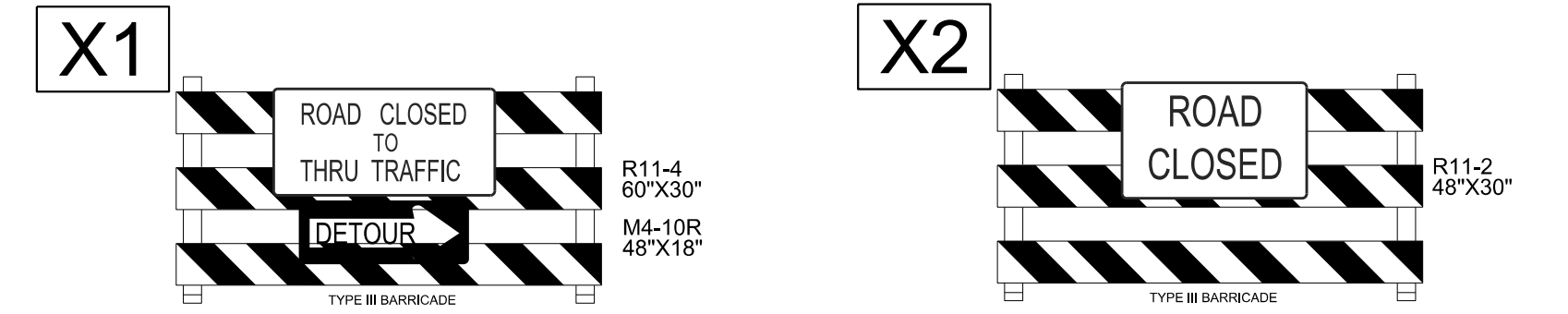
PLACE ADDITIONAL ADVANCE WARNING SIGNS PER RSD 1101.03, SHEET 1 OF 9

POINT OF ROAD CLOSURE

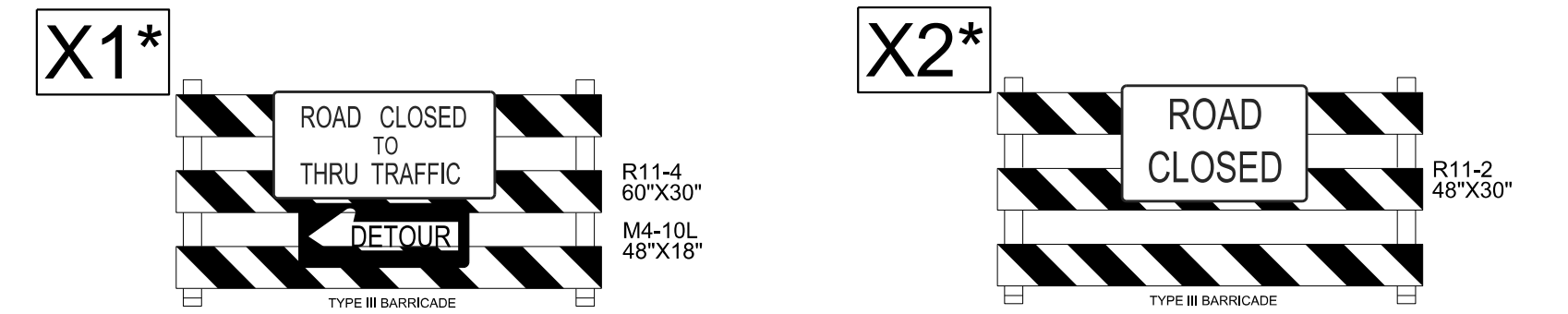
POINT OF ROAD CLOSURE

- |  |  |  |
|--|--|--|
| <p>1 <b>DETOUR</b> M4-8 24"x12"<br/>WAYAH ST<br/>M5-2 21"x15"</p>  | <p>2 <b>DETOUR</b> M4-8 24"x12"<br/>WAYAH ST<br/>M6-2 21"x15"</p>  | <p>3 <b>DETOUR</b> M4-8 24"x12"<br/>WAYAH ST<br/>M6-3 21"x15"</p>  |
| <p>4 <b>DETOUR</b> M4-8 24"x12"<br/>WAYAH ST<br/>M5-1 21"x15"</p>  | <p>5 <b>DETOUR</b> M4-8 24"x12"<br/>WAYAH ST<br/>M6-1L 21"x15"</p> | <p>6 <b>DETOUR</b> M4-8 24"x12"<br/>WAYAH ST<br/>M6-2L 21"x15"</p> |
| <p>7 <b>DETOUR</b> M4-8 24"x12"<br/>WAYAH ST<br/>M5-1R 21"x15"</p> | <p>8 <b>DETOUR</b> M4-8 24"x12"<br/>WAYAH ST<br/>M6-1 21"x15"</p>  | <p>9 <b>END DETOUR</b> M4-8a 24"x18"<br/>WAYAH ST</p>              |

BARRICADES X1 AND X2 TO BE USED FOR -Y6- WAYAH STREET CLOSURE ONLY



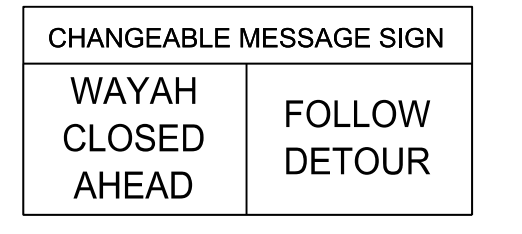
BARRICADES X1\* AND X2\* TO BE USED FOR -Y7- WAYAH STREET CLOSURE ONLY



A MESSAGE 1 WEEK PRIOR TO ROAD CLOSING



MESSAGE DURING ROAD CLOSURE



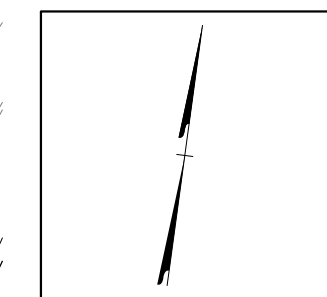
6/25/2018 U:\Traffic\TrafficControl\PLAN SHEETS\U-5604\_TMP\_05C\_Y6\_Y7\_WAYAH\_DETOURROUTE.dgn cowings

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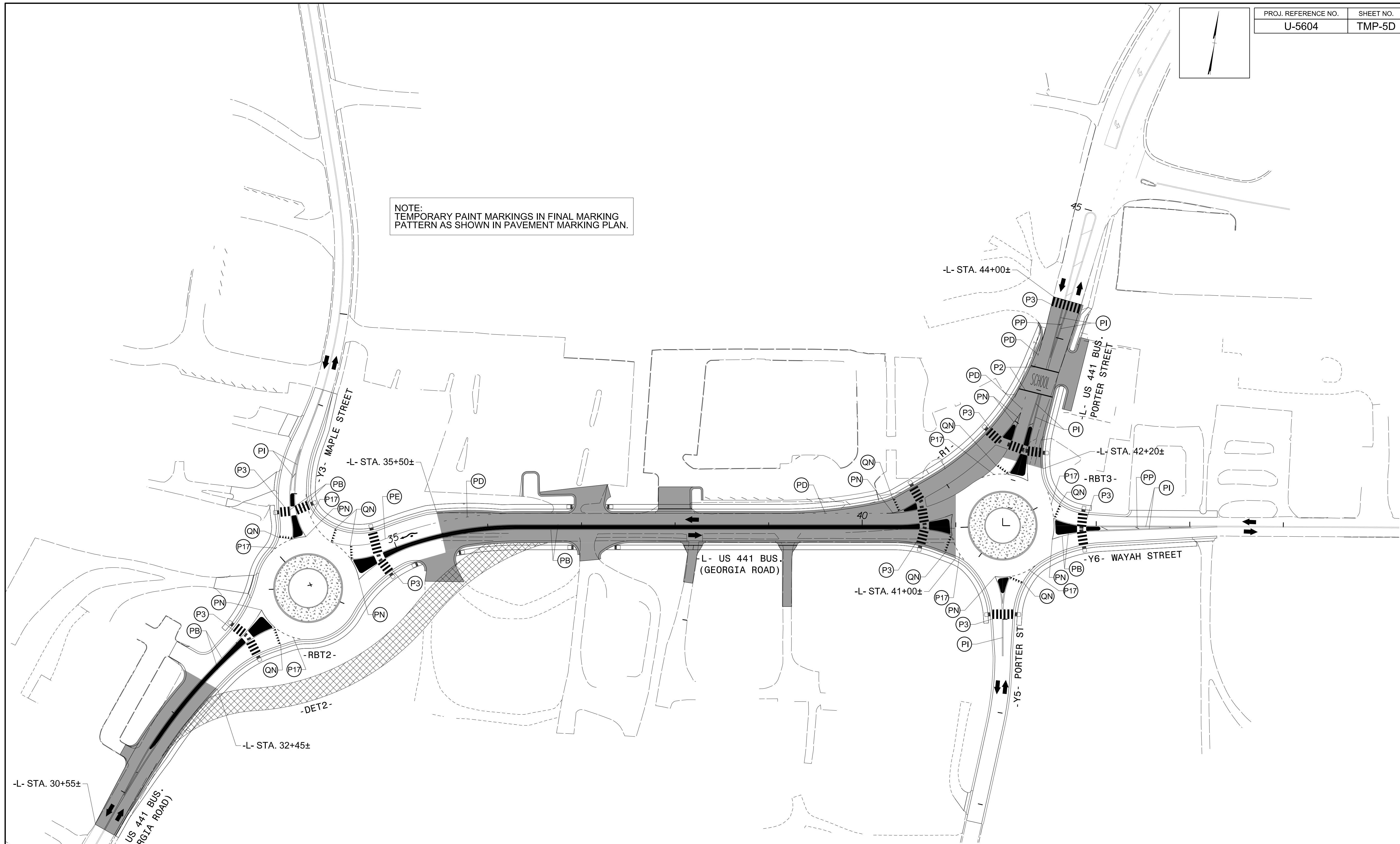
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WAYAH ST -Y6- / -Y7-  
DETOUR ROUTE

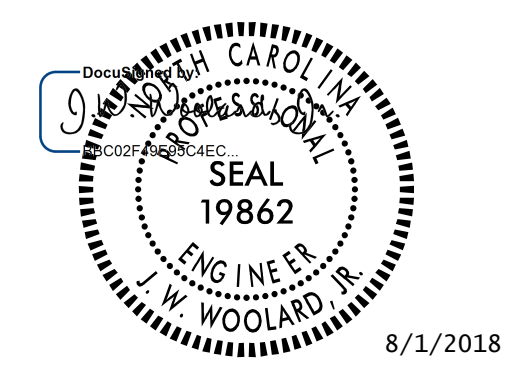


NOTE:  
TEMPORARY PAINT MARKINGS IN FINAL MARKING  
PATTERN AS SHOWN IN PAVEMENT MARKING PLAN.

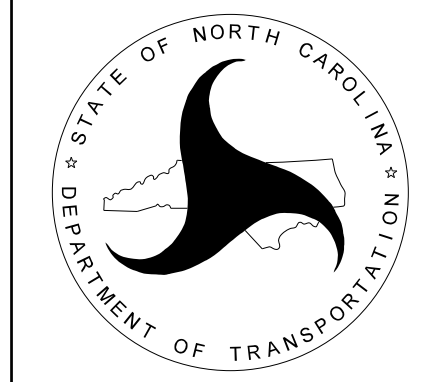


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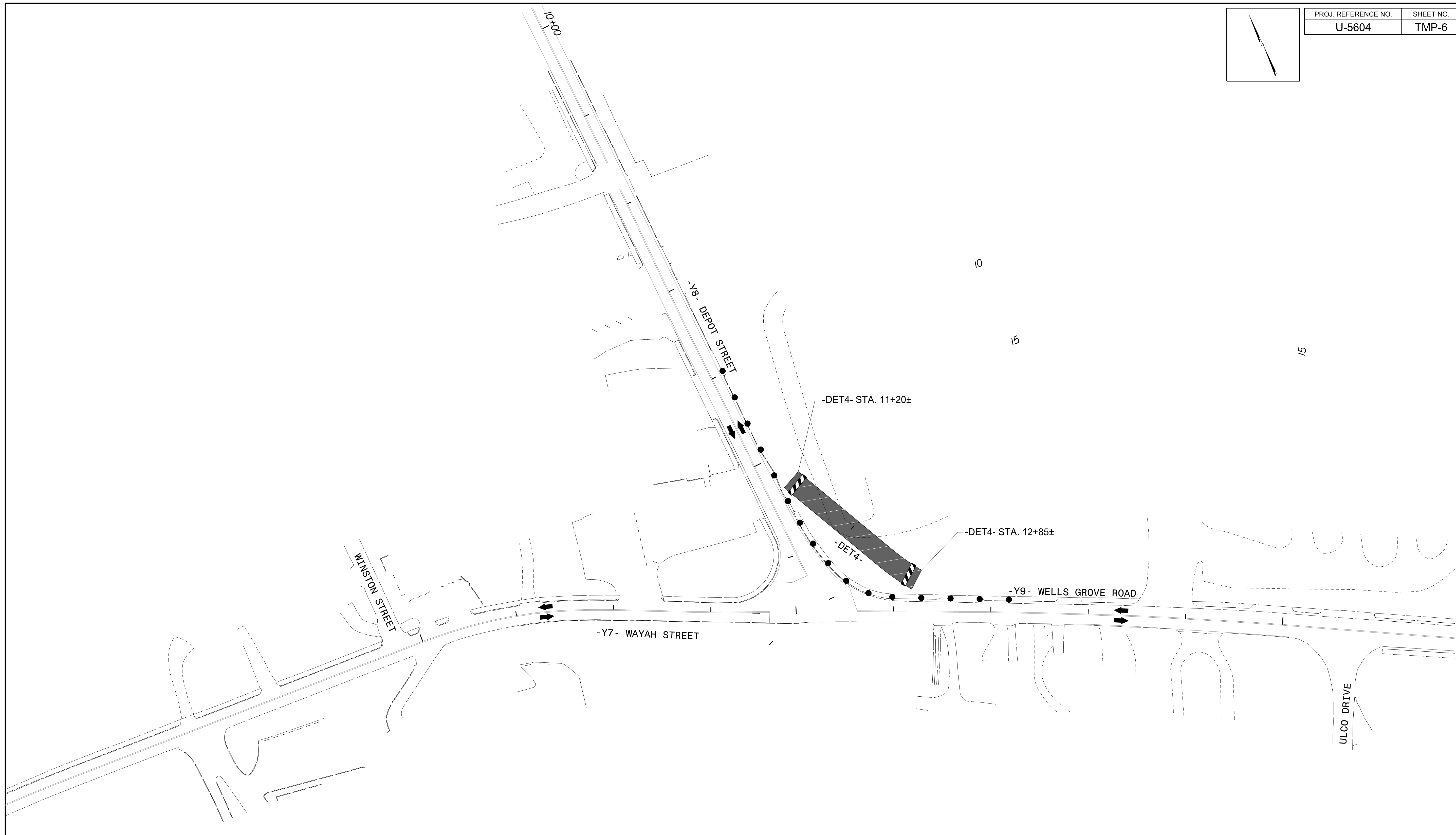
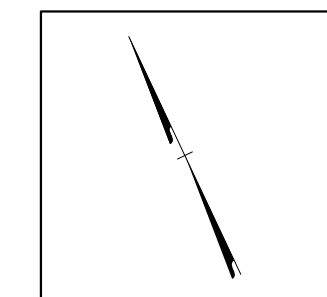


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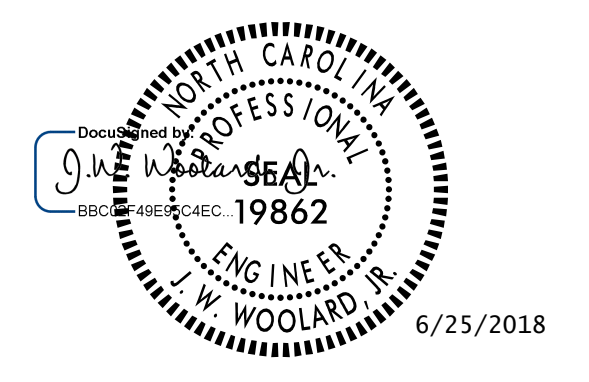
**AREA 2  
PHASE III**

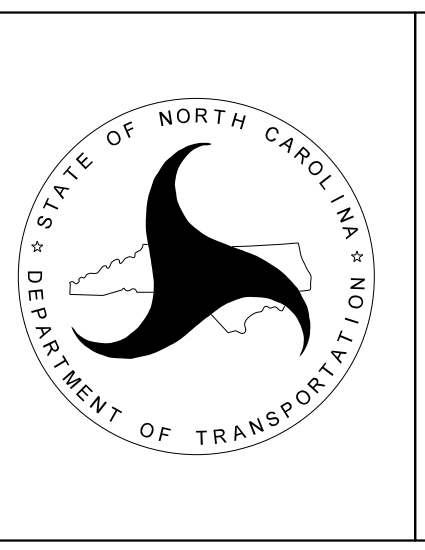
PROJ. REFERENCE NO.	SHEET NO.
U-5604	TMP-6



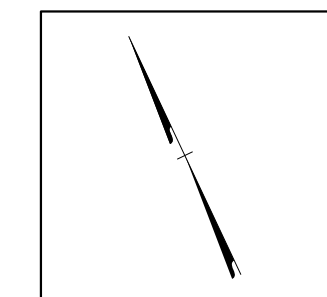
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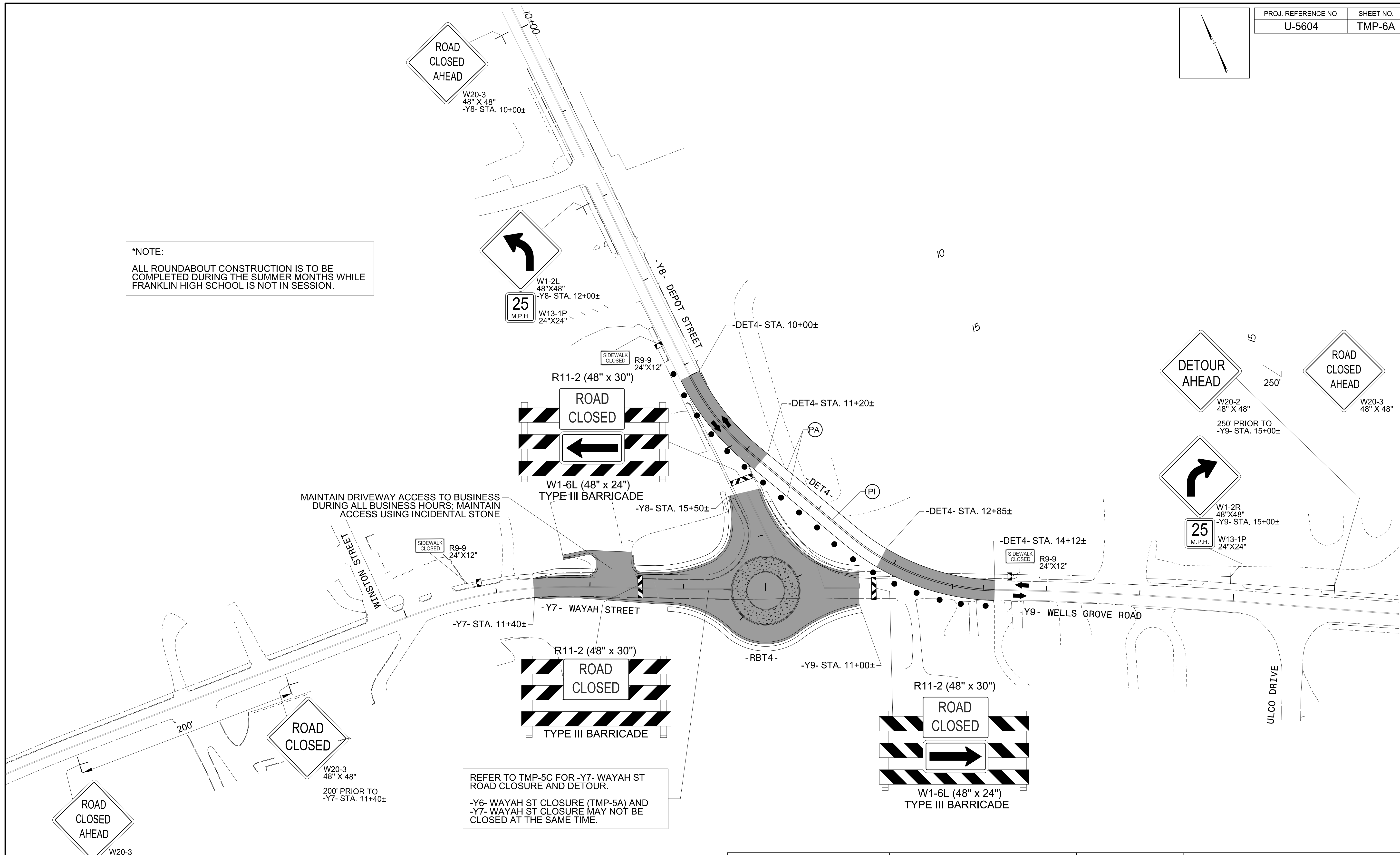
  
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AREA 3  
 PHASE I



**\*NOTE:**  
 ALL ROUNDABOUT CONSTRUCTION IS TO BE COMPLETED DURING THE SUMMER MONTHS WHILE FRANKLIN HIGH SCHOOL IS NOT IN SESSION.



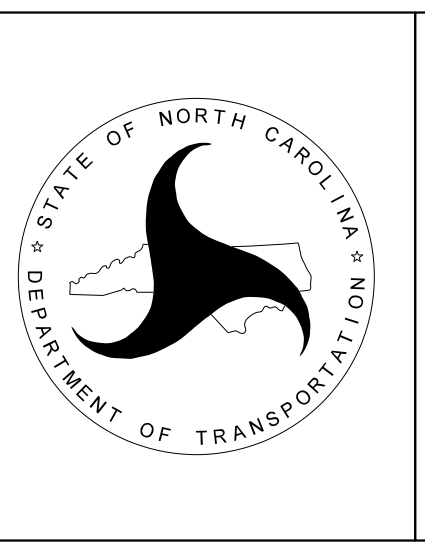
REFER TO TMP-5C FOR -Y7- WAYAH ST ROAD CLOSURE AND DETOUR.  
 -Y6- WAYAH ST CLOSURE (TMP-5A) AND -Y7- WAYAH ST CLOSURE MAY NOT BE CLOSED AT THE SAME TIME.

MAINTAIN DRIVEWAY ACCESS TO BUSINESS DURING ALL BUSINESS HOURS; MAINTAIN ACCESS USING INCIDENTAL STONE

6/25/2018  
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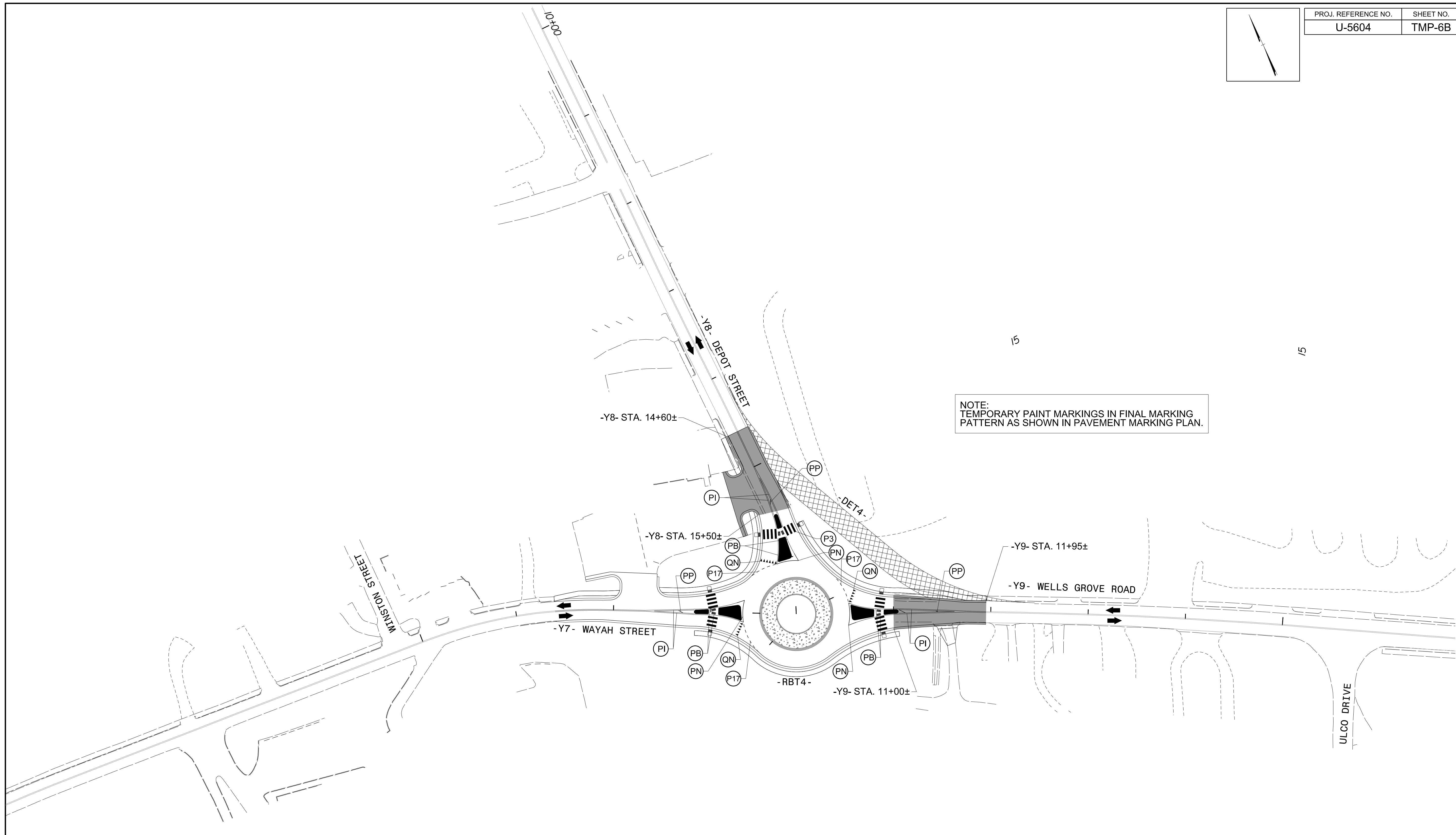
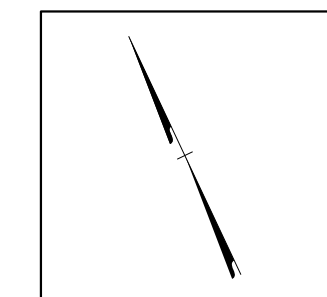
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Professional Engineer  
 J. W. Woolard, R.  
 19862  
 6/25/2018  
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**AREA 3  
 PHASE II**

PROJ. REFERENCE NO.	SHEET NO.
U-5604	TMP-6B

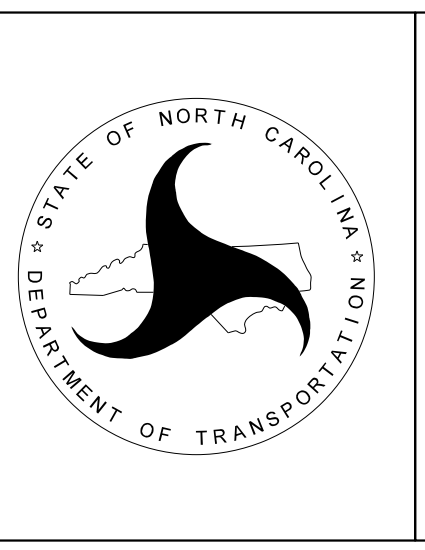


NOTE:  
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PATTERN AS SHOWN IN PAVEMENT MARKING PLAN.

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**AREA 3  
PHASE III**