

**STATE OF NORTH CAROLINA  
DEPARTMENT OF TRANSPORTATION**

**PAVEMENT MARKING PLAN  
CHATHAM, HOKE, MOORE, MONTGOMERY,  
RICHMOND, AND RANDOLPH COUNTIES**

LOCATION: VARIOUS

STATE	STATE PROJECT REFERENCE NO.	SHEET NO.	TOTAL SHEETS
N.C.	SS-4908BB, W-5601HJ, W-5601IA, W-5601IB	PMP-1	12
STATE PROJ. NO.	F.A. PROJ. NO.	DESCRIPTION	
SS-4908BB			
44807.3.1		CONST	
W-5601HJ			
50138.3.219	HSIP-0005(850)	CONST	
W-5601IA			
50138.3.236	HSIP-0073(046)	CONST	
W-5601IB			
50138.3.237	HSIP-0073(045)	CONST	

**TIP: SS-4908BB, W-5601HJ, W-5601IA, W-5601IB**

**INDEX**

SHEET NO.	DESCRIPTION
PMP-1	PAVEMENT MARKING PLAN TITLE AND SCHEDULE SHEET
PMP-2-9	PAVEMENT MARKING DETAIL
TMP-1	TRAFFIC MANAGEMENT PLAN
SOQ-1	THERMOPLASTIC PM QUANTITIES
RS-1	CENTERLINE RUMBLE STRIP DETAIL

**GENERAL NOTES**

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.

A) INSTALL PAVEMENT MARKINGS AND PAVEMENT MARKERS AS FOLLOWS:

ROAD NAME	MARKING	MARKER
ALL	THERMOPLASTIC	*SEE NOTE BELOW

B) TIE PROPOSED PAVEMENT MARKING LINES TO EXISTING PAVEMENT MARKING LINES.

C) REMOVE/REPLACE ANY CONFLICTING/DAMAGED PAVEMENT MARKINGS AND MARKERS BY THE END OF EACH DAY'S OPERATION.

D) PRIOR TO PLACEMENT OF NEW PAVEMENT MARKINGS REMOVE EXISTING PAVEMENT MARKINGS BY ACCEPTABLE METHODS.

E) ALL PAVEMENT MARKING REMOVAL WILL BE AT THE DISCRETION OF THE ENGINEER.

\* REPLACE MARKERS IF DAMAGED DURING PAVEMENT MARKING REMOVAL OR PAVEMENT MARKING INSTALLATION. THIS WORK SHALL BE INCIDENTAL TO PAVEMENT MARKING INSTALLATION.

**ROADWAY STANDARD DRAWING**

THE FOLLOWING ROADWAY STANDARDS AS APPEAR IN "ROADWAY STANDARD DRAWINGS" - PROJECT SERVICES UNIT - N.C. DEPARTMENT OF TRANSPORTATION - RALEIGH, N.C., DATED JANUARY 2012 ARE APPLICABLE TO THIS PROJECT AND BY REFERENCE HEREBY ARE CONSIDERED A PART OF THESE PLANS:

STD. NO.	TITLE
1101.02	TEMPORARY LANE CLOSURES
1101.04	TEMPORARY SHOULDER CLOSURES
1101.11	TRAFFIC CONTROL DESIGN TABLES
1110.02	PORTABLE WORK ZONE SIGNS
1115.01	FLASHING ARROW BOARDS
1130.01	DRUM
1135.01	CONES
1150.01	FLAGGING DEVICES
1165.01	WORK VEHICLE LIGHTING SYSTEMS AND TMA DELINEATION
1180.01	SKINNY-DRUM
1205.01	PAVEMENT MARKINGS - LINE TYPES AND OFFSETS
1205.02	PAVEMENT MARKINGS - TWO-LANE AND MULTILANE ROADWAYS
1205.12	PAVEMENT MARKINGS - BRIDGES

**PAVEMENT MARKING SCHEDULE**

REMOVAL OF PAVEMENT MARKING LINES (4")

REMOVAL OF PAVEMENT MARKING LINES (8")

THERMO(4", 120 MILS) STANDARD BEADS  
YELLOW DOUBLE CENTER

THERMO(4", 90 MILS) STANDARD BEADS  
WHITE EDGELINE

THERMO(4", 120 MILS) HIGHLY REFLECTIVE ELEMENTS  
YELLOW DOUBLE CENTER

THERMO(4", 90 MILS) HIGHLY REFLECTIVE ELEMENTS  
WHITE EDGELINE

THERMO(6", 120 MILS) STANDARD BEADS  
YELLOW DOUBLE CENTER

THERMO(6", 90 MILS) STANDARD BEADS  
WHITE EDGELINE

THERMO(6", 90 MILS) STANDARD BEADS  
YELLOW EDGELINE

THERMO(6", 120 MILS) STANDARD BEADS  
WHITE SKIP LINES

THERMO(12", 90 MILS) STANDARD BEADS  
WHITE GORELINE

THERMO(6", 120 MILS) HIGHLY REFLECTIVE ELEMENTS  
YELLOW DOUBLE CENTER

THERMO(6", 90 MILS) HIGHLY REFLECTIVE ELEMENTS  
WHITE EDGELINE

DIVISION DESIGN & CONSTRUCT ENGINEER

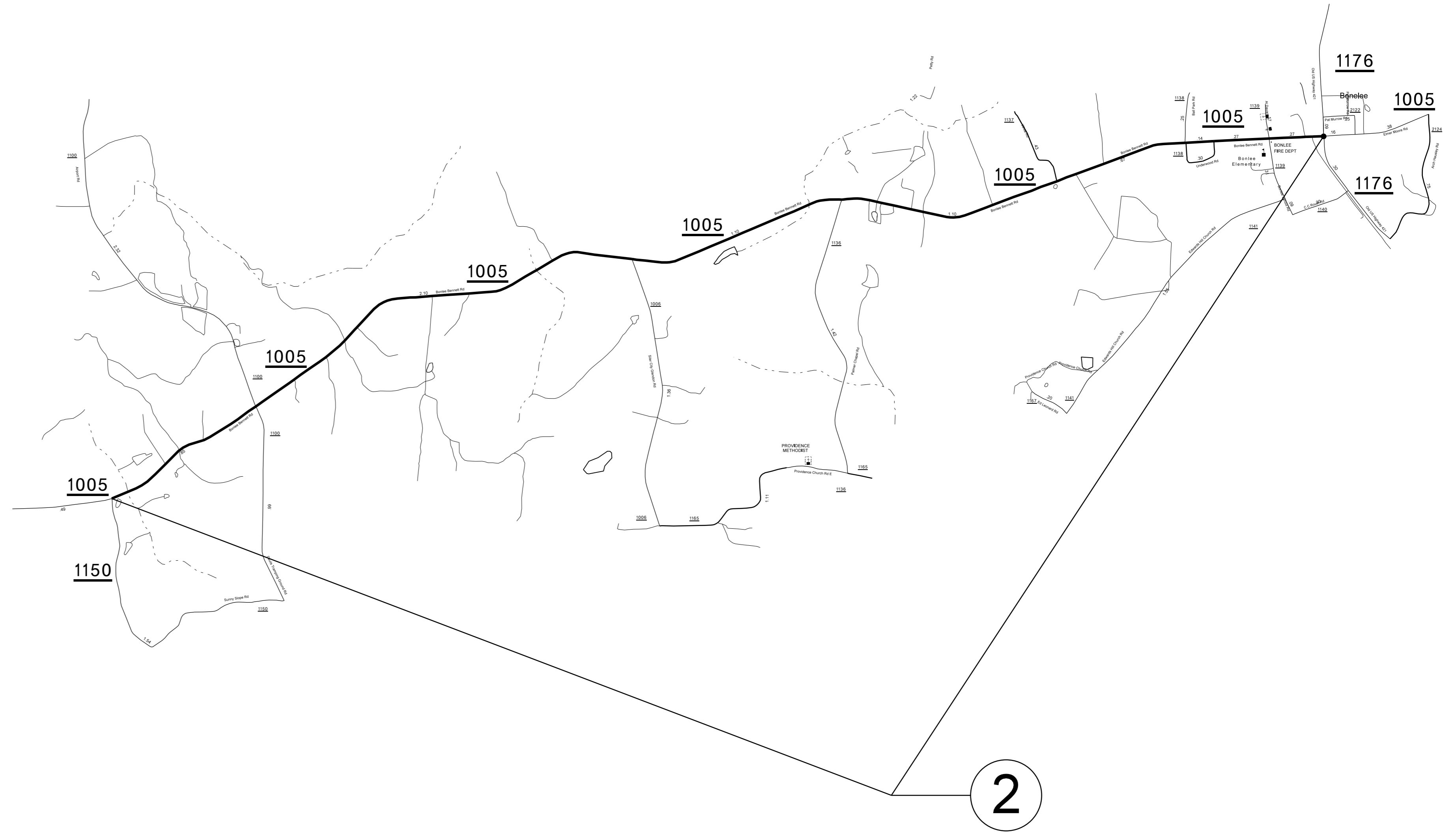
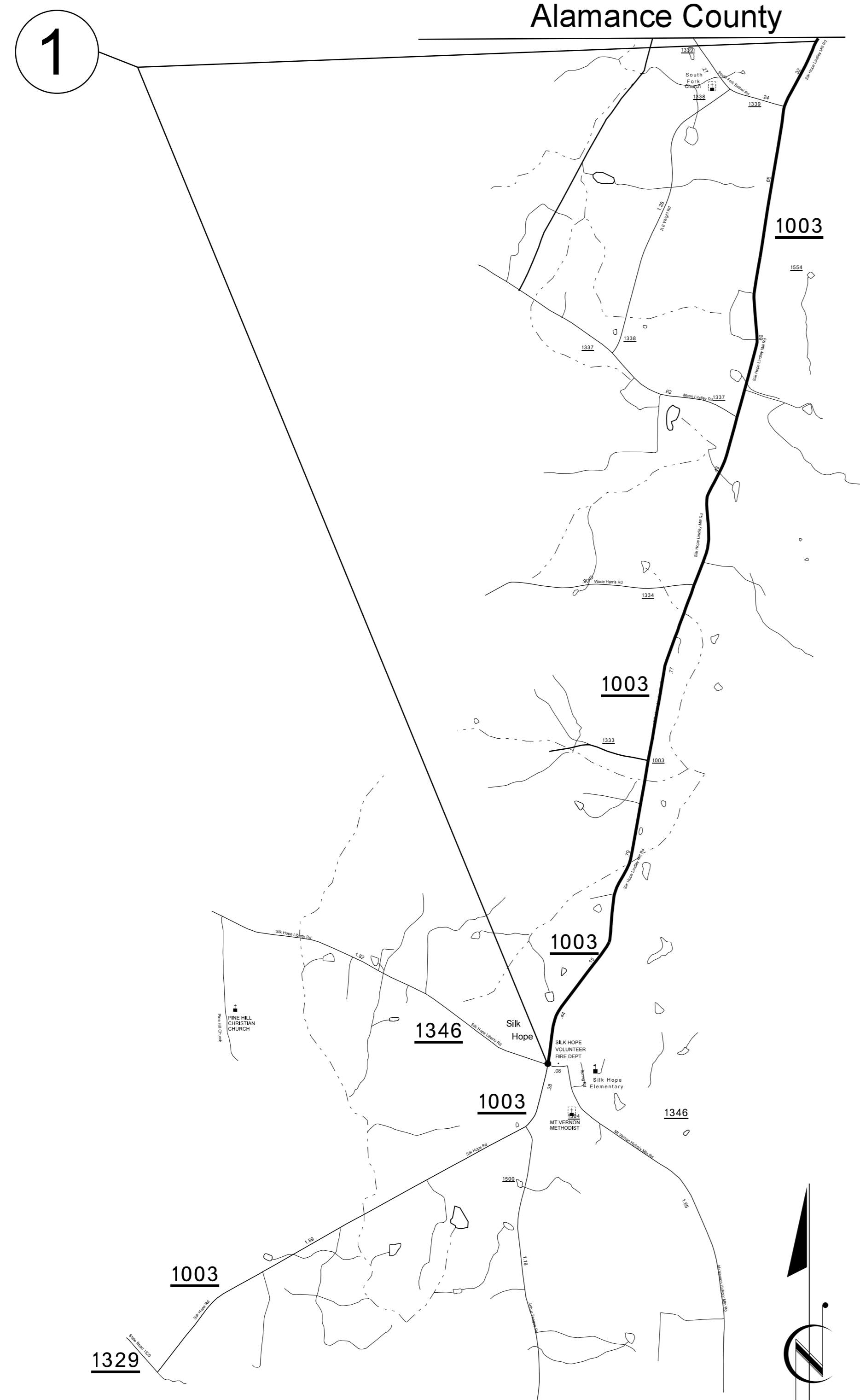


DocuSigned by:  
**Greg S. Davis**  
8/8/2016

08-AUG-2016 17:00  
Z:\proj\mtd\at\11010101-270410  
Rich-Mont-Rand\w\ide.lmes...vic.dgn

# Div. 8 - Chatham County

4" Thermoplastic  
w/ Highly Reflective Elements



4" Thermoplastic  
w/ Highly Reflective Elements

27-JUL-2016 14:09 Rich-Ment-Rand\wide\_lines--vic.dgn  
 27-JUL-2016 14:09 Rich-Ment-Rand\wide\_lines--vic.dgn  
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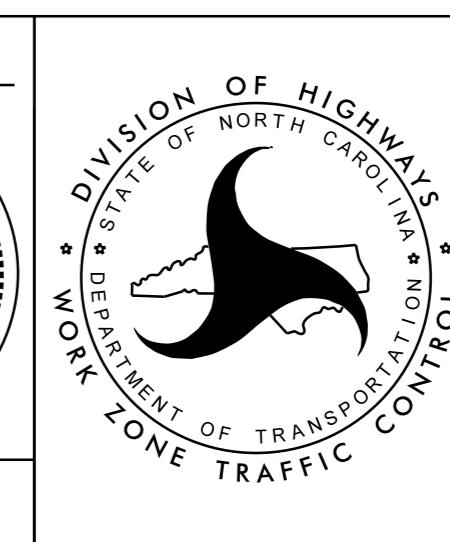
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DATE: 7/27/2016

SEAL

**DIVISION DESIGN & CONSTRUCT ENGINEER**

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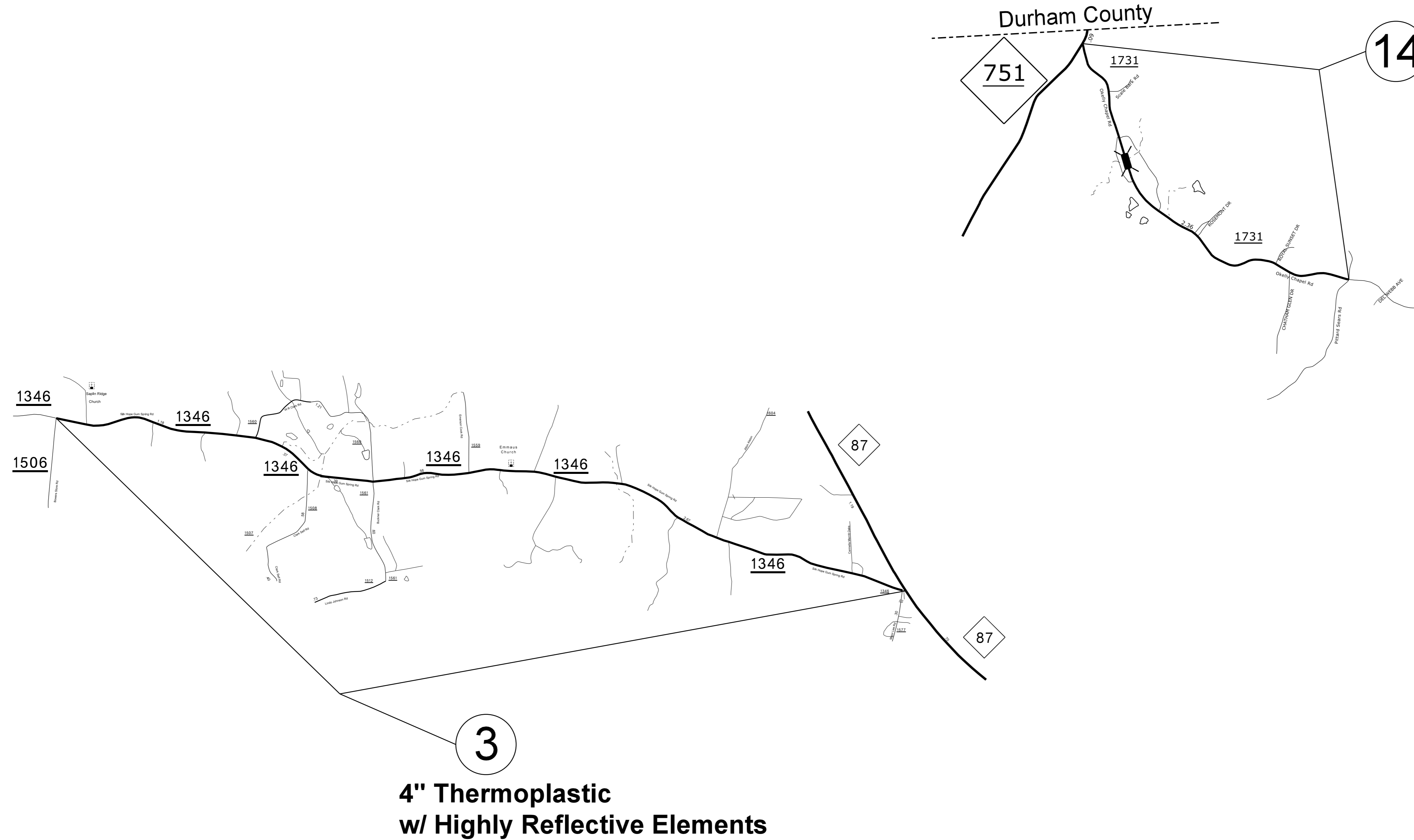
**Division 8  
Wide Line Project**

# Div. 8 - Chatham County

SS-4908BB

6" Thermoplastic  
w/ Highly Reflective  
Elements (Edgelines)

4" Thermoplastic  
Standard Bead (Centerline)



4" Thermoplastic  
w/ Highly Reflective Elements

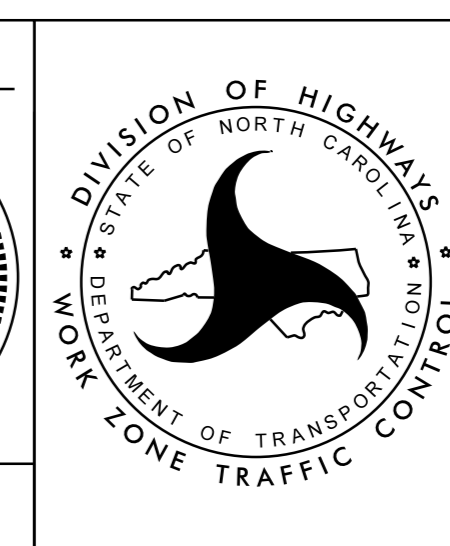
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gsdavis

APPROVED: Greg S Davis  
DATE: 8/8/2016

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CONSTRUCT ENGINEER

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

**Division 8  
Wide Line Project**

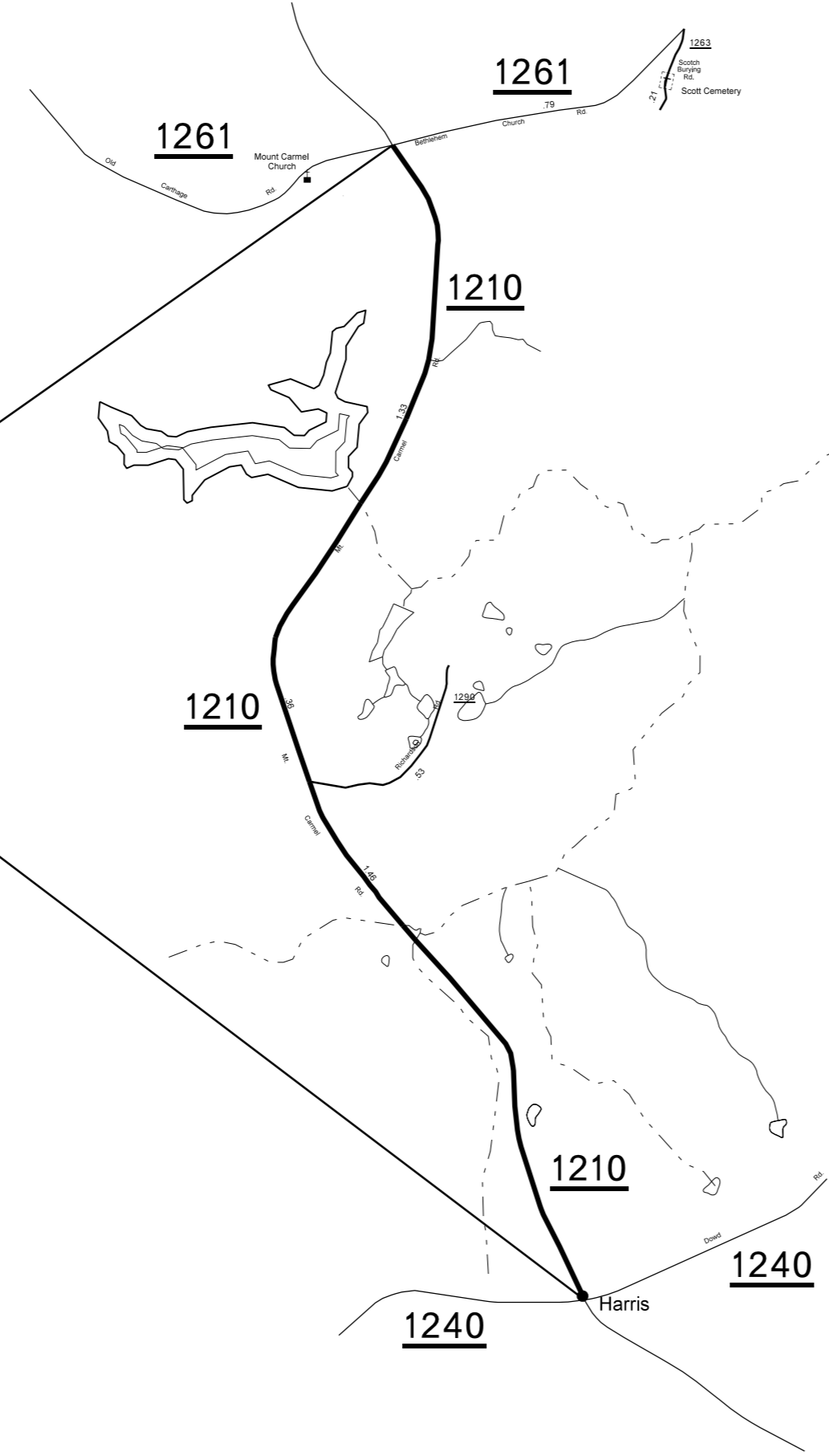


# Div. 8 - Moore & Randolph County

## Randolph County

6" Thermoplastic  
w/ Standard Beads

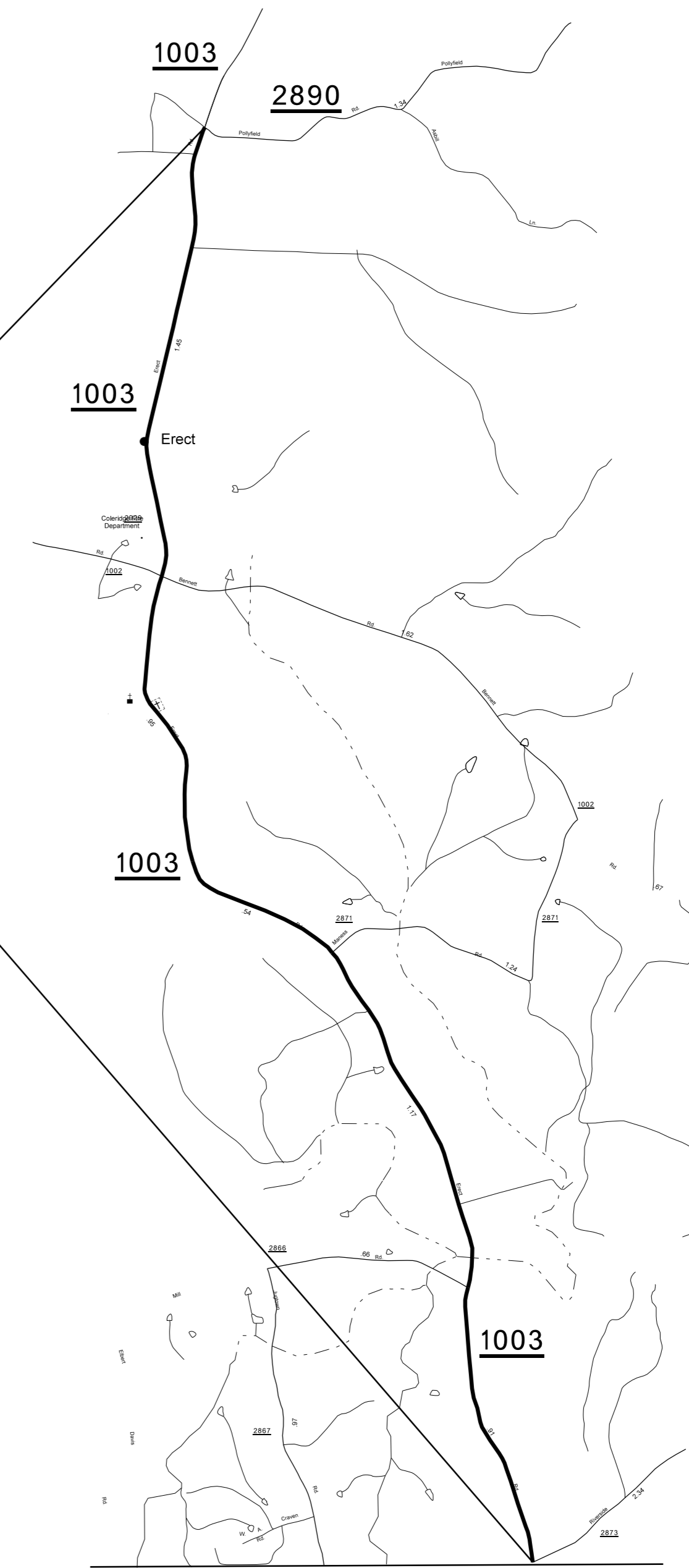
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## Moore County

4" Thermoplastic  
w/ Standard Beads

7



Moore County



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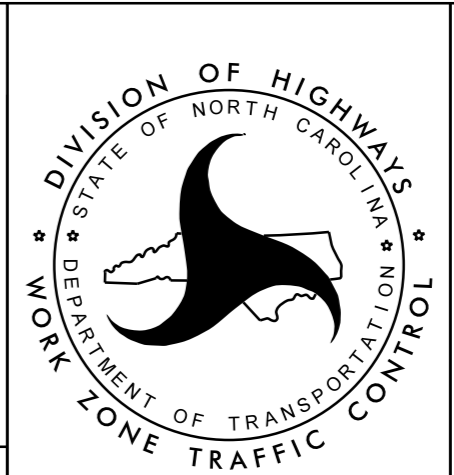
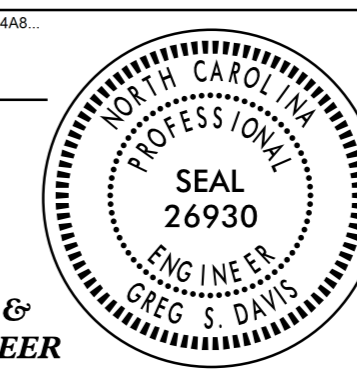
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DATE: 7/27/2016

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**Division 8  
Wide Line Project**

# Div. 8 - Randolph County

**4" Thermoplastic  
w/ Standard Beads**

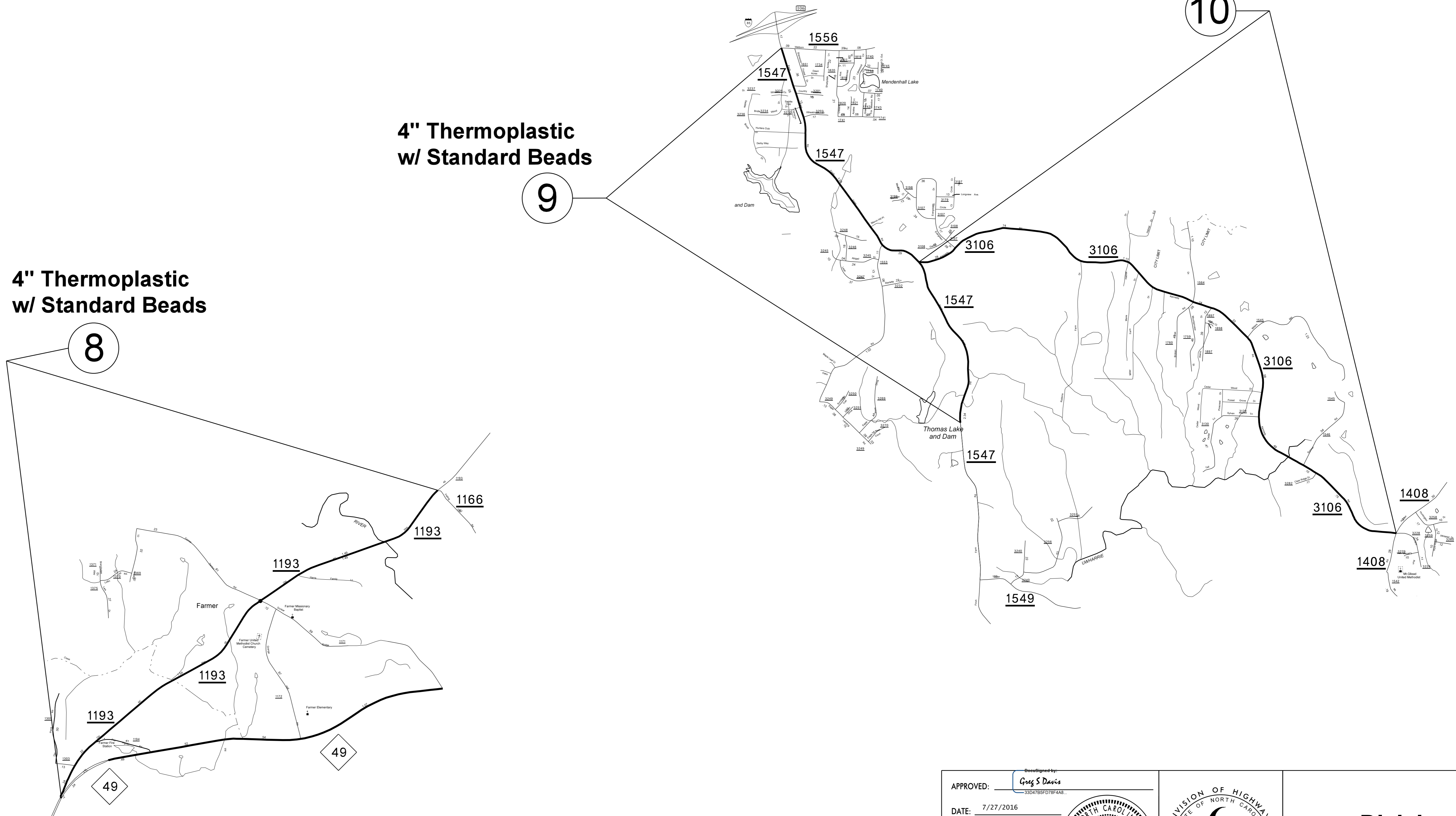
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**4" Thermoplastic  
w/ Standard Beads**

9

**4" Thermoplastic  
w/ Standard Beads**

8



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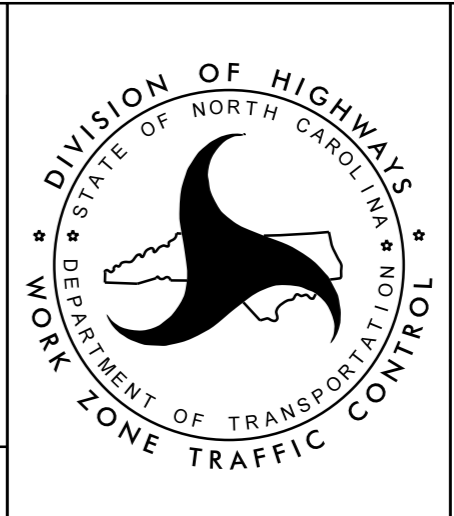
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DATE: 7/27/2016

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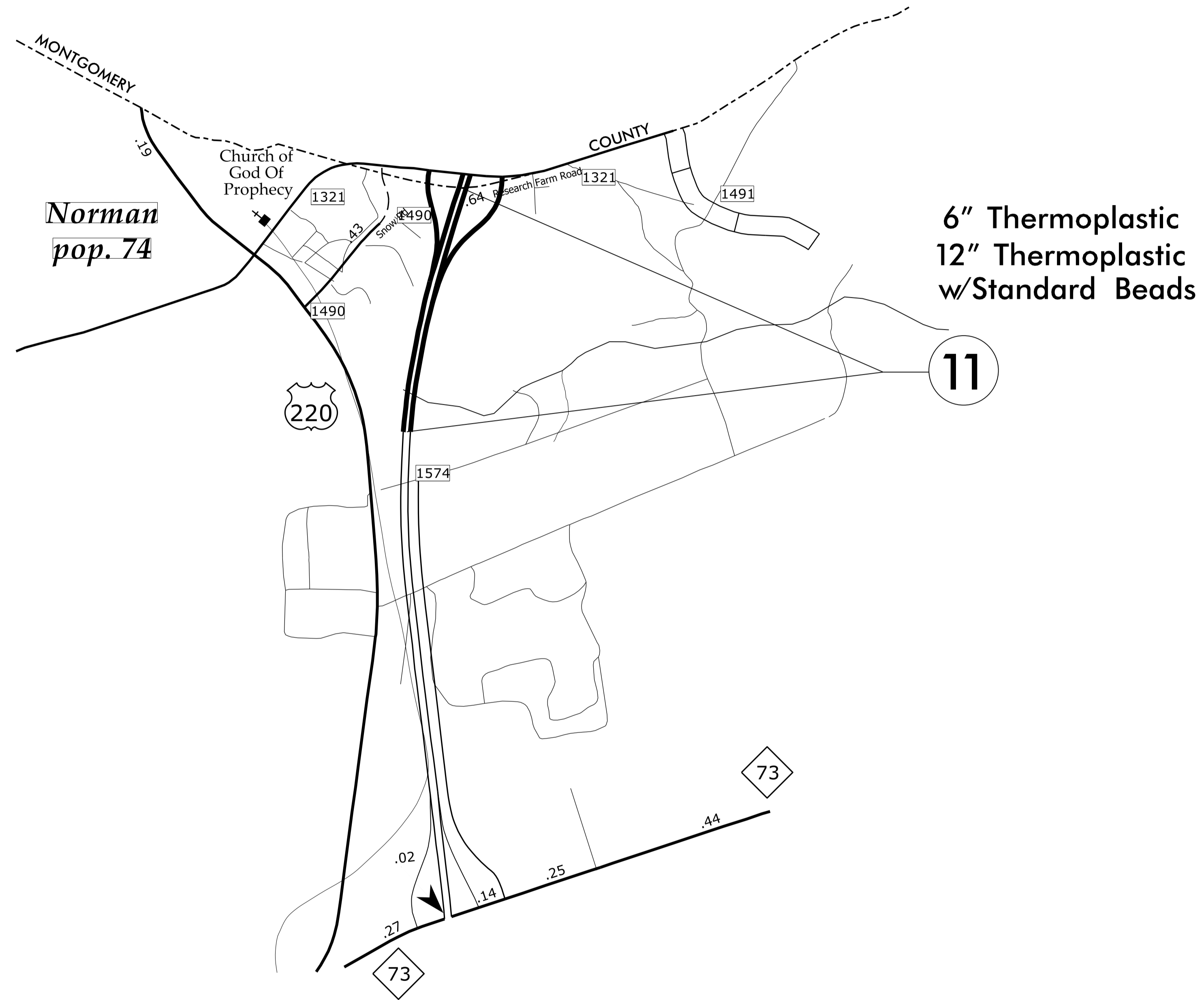
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**Division 8  
Wide Line Project**

# Div. 8 - Richmond County



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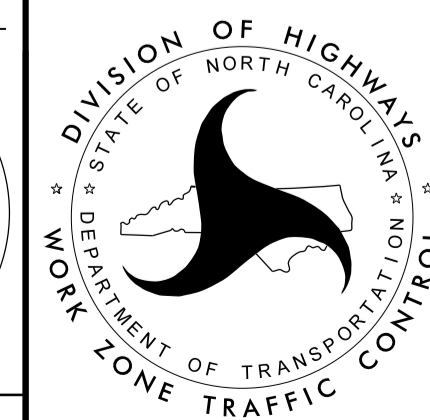
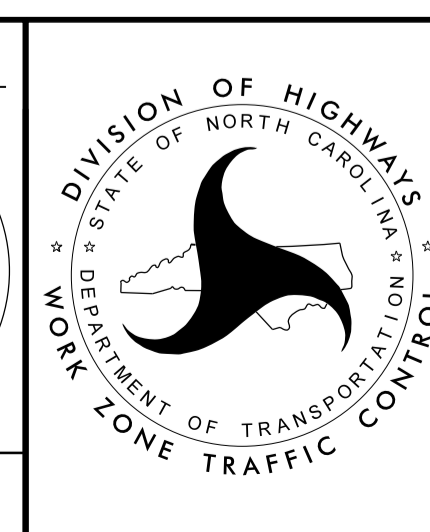
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DATE: 7/27/2016

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**DIVISION DESIGN & CONSTRUCT ENGINEER**

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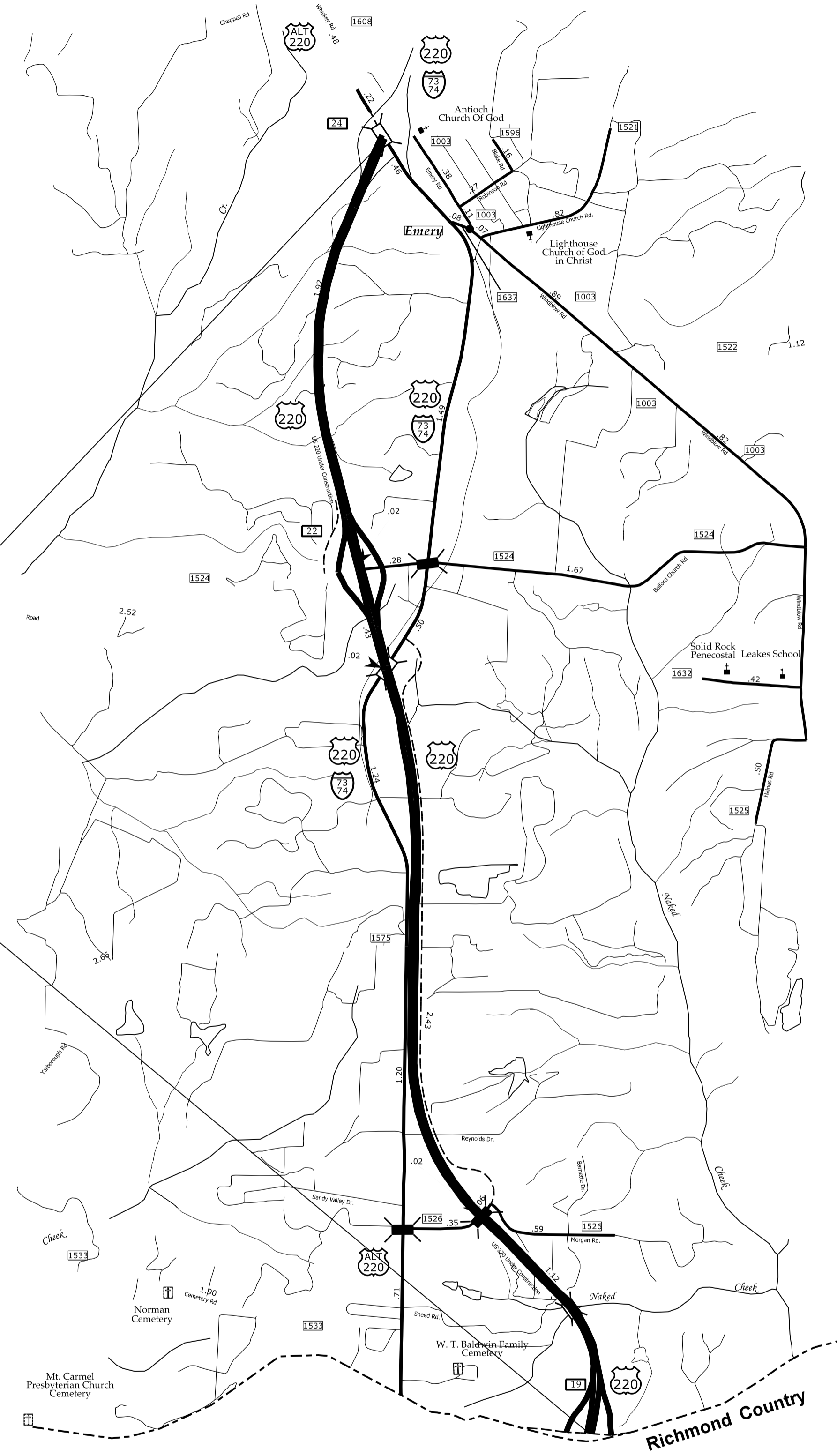


**Division 8  
Wide Line Project**

# Div. 8 - Montgomery County

6" Thermoplastic  
12" Thermoplastic  
w/Standard Beads

12



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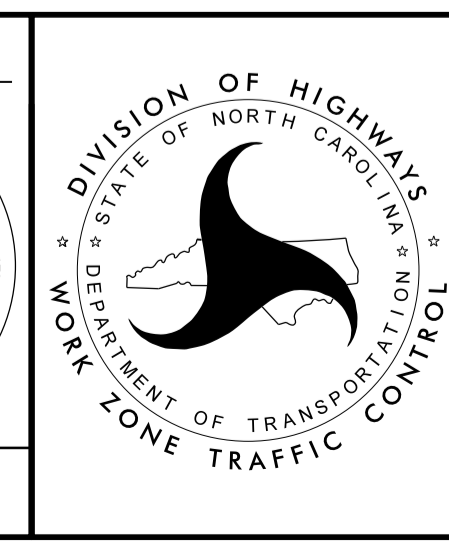
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DATE: 7/27/2016

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**DIVISION DESIGN & CONSTRUCT ENGINEER**

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**Division 8  
Wide Line Project**

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



# Div. 8 - Montgomery County

6" Thermoplastic  
12" Thermoplastic  
w/Standard Beads

13



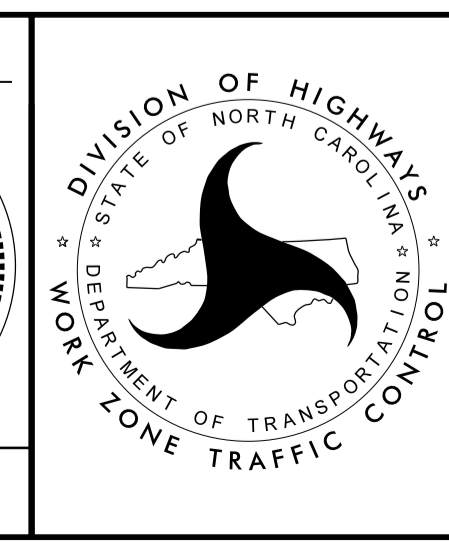
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DATE: 7/27/2016

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

**Division 8  
Wide Line Project**

## GENERAL NOTES

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

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

### TIME RESTRICTIONS

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

ROAD NAME	DAY AND TIME RESTRICTION
I-73 /I-74	MONDAY THRU FRIDAY 7:00 AM - 9:00 AM

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

ROAD NAME
I-73 /I-74

### 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 A.M. DECEMBER 31st TO 6:00 P.M. JANUARY 2ND. IF NEW YEAR'S DAY IS ON A FRIDAY, SATURDAY, SUNDAY, OR MONDAY THEN UNTIL 6:00 P.M. THE FOLLOWING TUESDAY.
3. FOR EASTER, BETWEEN THE HOURS OF 7:00 A.M. THURSDAY AND 6:00 P.M. MONDAY.
4. FOR MEMORIAL DAY, BETWEEN THE HOURS OF 7:00 A.M. FRIDAY TO 6:00 P.M. TUESDAY.
5. FOR INDEPENDENCE DAY, BETWEEN THE HOURS OF 7:00 A.M. THE DAY BEFORE INDEPENDENCE DAY AND 6:00 P.M. THE DAY AFTER INDEPENDENCE DAY.  
  
IF INDEPENDENCE DAY IS ON A FRIDAY, SATURDAY, SUNDAY OR MONDAY THEN BETWEEN THE HOURS OF 7:00 A.M. THE THURSDAY BEFORE INDEPENDENCE DAY AND 6:00 P.M. THE TUESDAY AFTER INDEPENDENCE DAY.
6. FOR LABOR DAY, BETWEEN THE HOURS OF 7:00 A.M. FRIDAY AND 6:00 P.M. TUESDAY.
7. FOR THANKSGIVING DAY, BETWEEN THE HOURS OF 7:00 A.M. TUESDAY TO 6:00 P.M. MONDAY.
8. FOR CHRISTMAS, BETWEEN THE HOURS OF 7:00 A.M. THE FRIDAY BEFORE THE WEEK OF CHRISTMAS DAY AND 6:00 P.M. THE FOLLOWING TUESDAY AFTER THE WEEK OF CHRISTMAS.

## MANAGEMENT STRATEGIES

- UTILIZING LANE CLOSURES, REMOVE EXISTING MARKINGS AND PLACE NEW WIDER LINE MARKINGS AS OUTLINED IN EACH MAP.

## PHASING

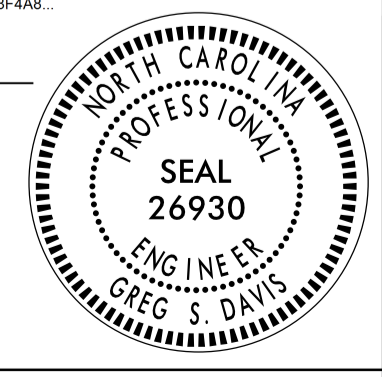
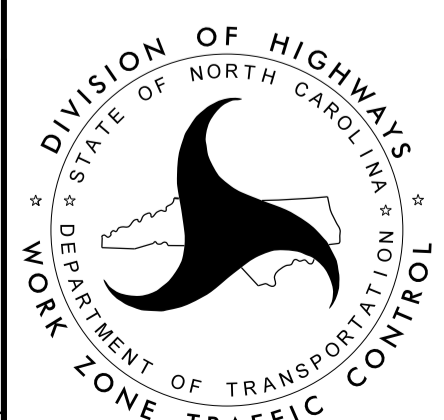
STEP 1:  
INSTALL WORK ZONE ADVANCE WARNING SIGNS IN ACCORDANCE WITH NCDOT ROADWAY STANDARD DRAWING NO. 1101.01. WHEN NO WORK IS BEING CONDUCTED FOR A PERIOD LONGER THAN ONE WEEK, REMOVE OR COVER ALL ADVANCE WORK ZONE SIGNS, AS DIRECTED BY THE ENGINEER.

### STEP 2:

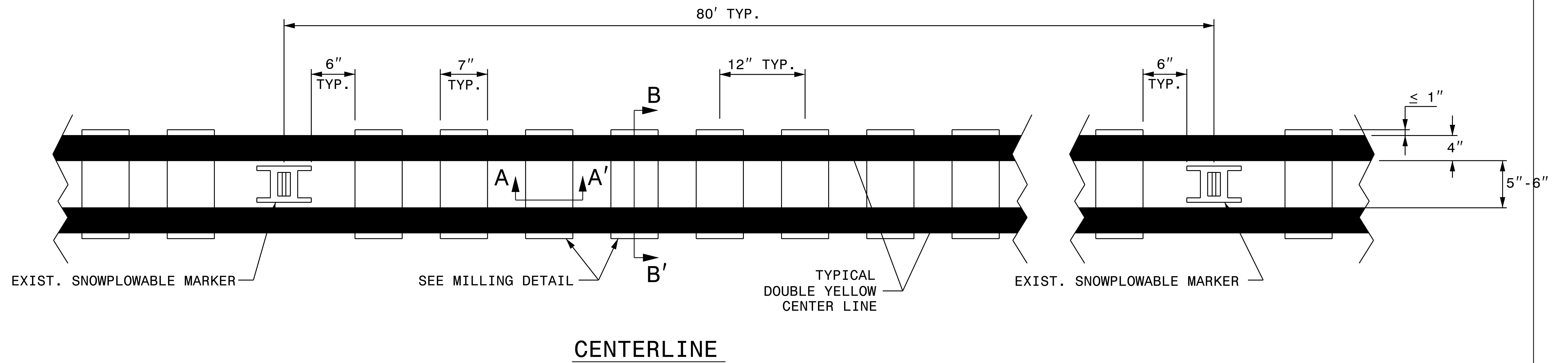
USING NCDOT STANDARD DRAWING NO. 1101.02 (SHEET 1 OF 15), ON MAPS #1 THRU #10, AND NCDOT STANDARD DRAWING NO. 1101.02 ((SHEET 4 OF 15) ON MAP #11 THRU #13, BEGIN REMOVING EXISTING PAVEMENT MARKINGS AND REPLACE WITH NEW WIDER LINES AS OUTLINED FOR EACH MAP.

### STEP 3:

REMOVE ALL WORK ZONE TRAFFIC CONTROL DEVICES AND OPEN ALL MAPS TO FINAL TRAFFIC PATTERN.

APPROVED: <u>Greg S. Davis</u> <small>3304789FD78F4A8</small> DATE: 7/27/2016  <div style="text-align: center;">  </div>		<h1 style="margin: 0;">TRAFFIC MANAGEMENT PLAN</h1>
<b>DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED</b>		

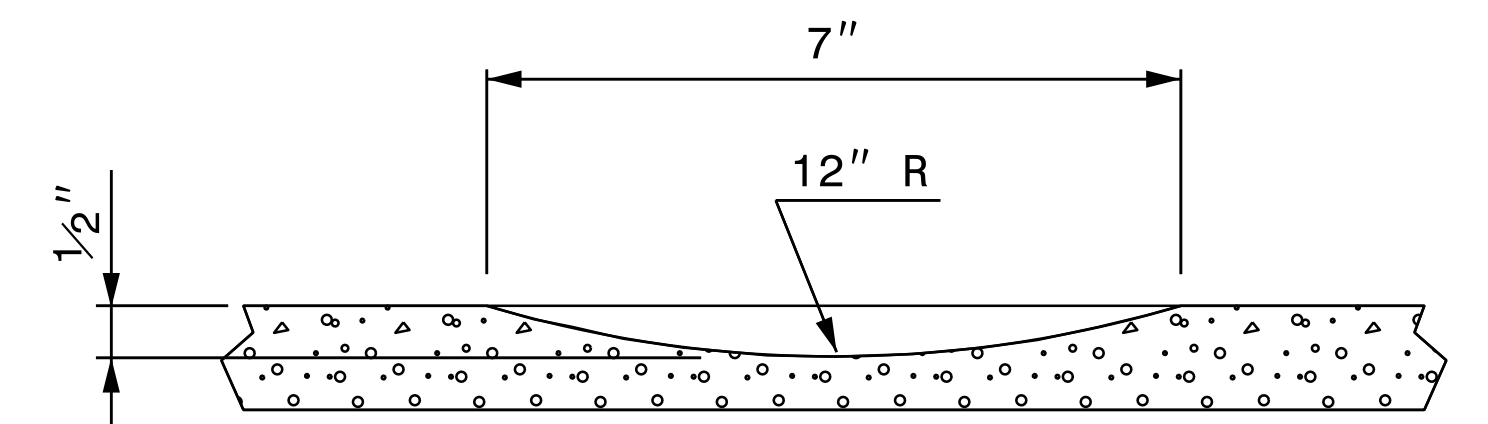




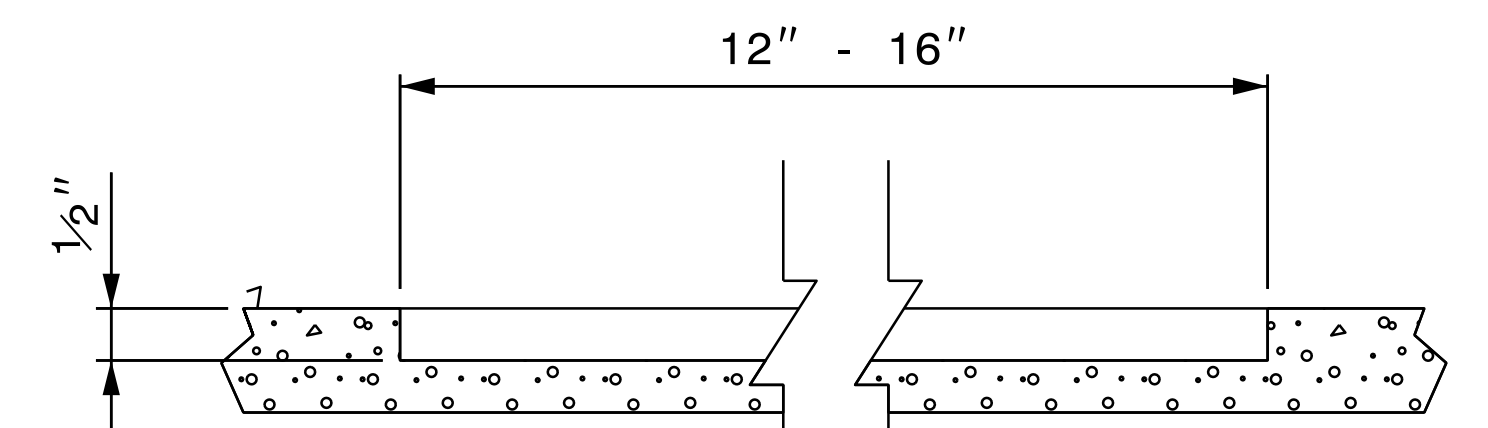
**NOTES:**

- 1) THERE WILL BE NO CENTERLINE RUMBLE STRIPS ON 3-LANE SECTIONS.
- 2) USING A VACUUM, REMOVE ALL DEBRIS FROM THE MILLINGS JUST PRIOR TO PLACING ANY PAVEMENT MARKINGS.
- 3) EXISTING SNOWPLOWABLE MARKERS SHALL BE REPLACED AS DIRECTED BY THE ENGINEER.

**MILLING DETAIL**



**SECTION A-A'**



**SECTION B-B'**

08-AUG-2016 17:01  
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gsdavis AT D8CAD-270410

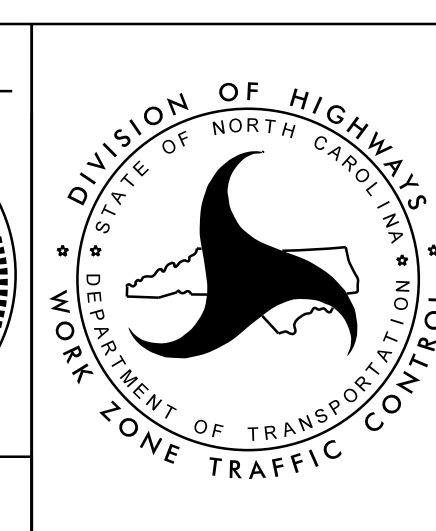
APPROVED: *Greg S Davis*  
DATE: 8/8/2016

SEAL

DESIGNED BY: *Greg S Davis*  
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SEAL  
26930  
ENGINEER  
GREG S. DAVIS

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**CENTERLINE  
RUMBLE STRIP  
DETAIL**