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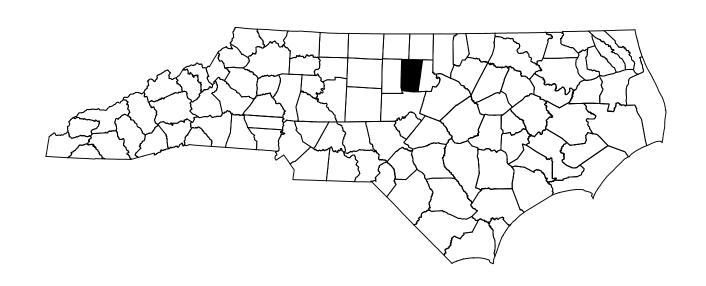
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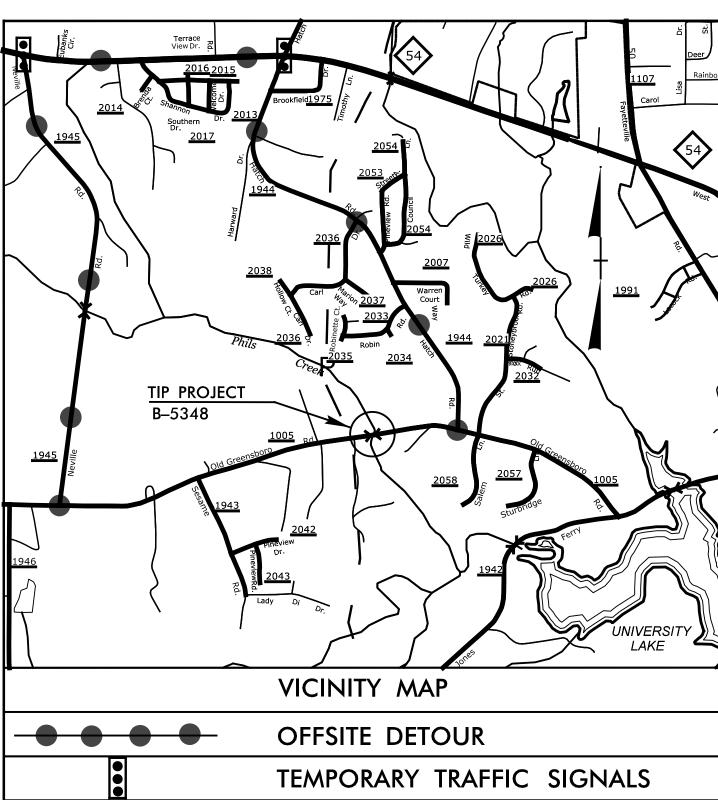
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STATE OF NORTH CAROLINA DIVISION OF HIGHWAYS

TRANSPORTATION MANAGEMENT PLAN

ORANGE COUNTY





LOCATION: BRIDGE NO. 85 OVER PHILS CREEK ON SR 1005 (OLD GREENSBORO ROAD)

INDEX OF SHEETS

SHEET NO.

TITLE

TITLE SHEET, VICINITY MAP, AND INDEX OF SHEETS TMP - 1

LIST OF APPLICABLE ROADWAY STANDARD DRAWINGS, LEGEND, AND TEMPORARY PAVEMENT MARKING SCHEDULE TMP-1A

TMP-1B TRANSPORTATION OPERATIONS PLAN: (MANAGEMENT STRATEGIES, GENERAL NOTES, AND PHASING)

SPECIAL SIGN DESIGN SP-1 TMP-2 TMP-2A SPECIAL SIGN DESIGN SP-2

OFF-SITE DETOUR TMP-3 TMP-4 ROAD CLOSURE

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



"from the MOUNTAINS to the COAST"

A. Y. LYUDMIRSKAYA TRAFFIC CONTROL DESIGN ENGINEER



APPROVED: Steve Miller **DATE:** 4/13/2017 SEAL

TMP-1

SHEET NO.

2

PROJ. REFERENCE NO. SHEET NO. B-5348 TMP-1A

ROADWAY STANDARD DRAWINGS

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

STD. NO.

TITLE

101.01	WORK ZONE ADVANCE WARNING SIGNS
101.02	TEMPORARY LANE CLOSURE
101.03	TEMPORARY ROAD CLOSURES
101.04	TEMPORARY SHOULDER CLOSURE
101.05	WORK ZONE VEHICLE ACCESSES
101.11	TRAFFIC CONTROL DESIGN TABLES
110.01	STATIONARY WORK ZONE SIGNS
145.01	BARRICADES

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

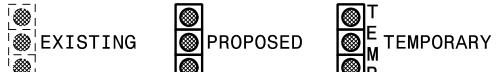
USER DEFINED (IF NEEDED)

USER DEFINED (IF NEEDED)

SIGNALS







PAVEMENT MARKINGS

----EXISTING LINES TEMPORARY LINES

PAVEMENT MARKING SYMBOLS

TRAFFIC CONTROL DEVICES

BARRICADE (TYPE III)

TEMPORARY CRASH CUSHION

TRUCK MOUNTED ATTENUATOR (TMA)

CHANGEABLE MESSAGE SIGN

FLASHING ARROW BOARD

LAW ENFORCEMENT

STATIONARY OR PORTABLE SIGN

PAVEMENT MARKING SYMBOLS

FLAGGER

TEMPORARY SIGNING

PORTABLE SIGN

STATIONARY SIGN

PAVEMENT MARKERS

CRYSTAL/CRYSTAL

CRYSTAL/RED

◆ YELLOW/YELLOW

DRUM SKINNY DRUM O TUBULAR MARKER

TEMPORARY PAVEMENT MARKING SCHEDULE

SYMBOL DESCRIPTION

PAINT(4")

P8 2 FT. - 6 FT./SP WHITE MINISKIP

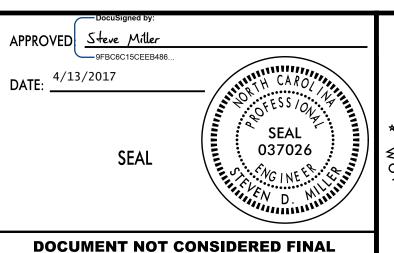
PA WHITE EDGELINE

PI YELLOW DOUBLE CENTER

PAINT(24")

P2 WHITE STOPBAR

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CONSTRUCTION License: C-2197



UNLESS ALL SIGNATURES COMPLETED

ROADWAY STANDARD DRAWINGS, LEGEND, AND TEMPORARY PAVEMENT MARKING SCHEDULE

-INSTALL TWO TEMPORARY TRAFFIC SIGNALS FOR THE DURATION OF THE OFFSITE DETOUR AT THE FOLLOWING INTERSECTIONS:

NC HW 54 & NEVILLE RD (SR 1945) NC HW 54 & HATCH RD (SR 1944)

-CLOSE SR 1005 (OLD GREENSBORO ROAD) AND DETOUR TRAFFIC OFFSITE

-LOCAL ACCESS TO ALL RESIDENCES AND BUSINESSES WILL BE MAINTAINED BETWEEN CLOSURE POINTS AT ALL TIMES DURING CONSTRUCTION

-PROVIDE THIRTY DAYS NOTICE TO THE ENGINEER, ORANGE COUNTY EMERGENCY SERVICES, AND ORANGE COUNTY SCHOOL OFFICIALS PRIOR TO ROAD CLOSURE

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) DO NOT CLOSE OR NARROW TRAVEL LANES AS FOLLOWS:

4:00 PM TO 6:00 PM

ROAD NAME DAY AND TIME RESTRICTIONS MONDAY THROUGH FRIDAY 7:00 AM TO 9:00 AM AND 4:00 PM TO 6:00 PM

B) DO NOT STOP TRAFFIC AS FOLLOWS:

ROAD NAME

DAY AND TIME RESTRICTIONS MONDAY THROUGH FRIDAY 7:00 AM TO 9:00 AM AND

DURATION AND OPERATION 15 MINUTES FOR INSTALLING TEMPORARY PAVEMENT MARKINGS

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 WITHIN 15 FT OF AN OPEN TRAVEL LANE, CLOSE THE NEAREST OPEN SHOULDER USING ROADWAY STANDARD DRAWING NO. 1101.04 UNLESS THE WORK AREA IS PROTECTED BY BARRIER OR GUARDRAIL OR A LANE CLOSURE IS INSTALLED.
- E) 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.
- F) WHEN PERSONNEL AND/OR EQUIPMENT ARE WORKING WITHIN A LANE OF TRAVEL OF AN UNDIVIDED OR DIVIDED FACILITY, CLOSE THE LANE ACCORDING TO THE TRAFFIC CONTROL PLANS, ROADWAY STANDARD DRAWINGS, OR AS DIRECTED BY THE ENGINEER. CONDUCT THE WORK SO THAT ALL PERSONNEL AND/OR EQUIPMENT REMAIN WITHIN THE CLOSED TRAVEL LANE.
- G) 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.

TRAFFIC PATTERN ALTERATIONS

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

SIGNING

I) INSTALL ADVANCE WORK ZONE WARNING SIGNS NO MORE THAN THREE (3) DAYS PRIOR TO THE BEGINNING OF CONSTRUCTION.

PROJ. REFERENCE NO. SHEET NO. TMP-1B B-5348

J) PROVIDE SIGNING AND DEVICES REQUIRED TO CLOSE THE ROAD ACCORDING TO THE ROADWAY STANDARD DRAWINGS AND TRAFFIC CONTROL PLANS.

PROVIDE SIGNING REQUIRED FOR THE OFF-SITE DETOUR ROUTE AS SHOWN IN THE TRAFFIC CONTROL PLANS.

K) 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.

L) ENSURE ALL NECESSARY SIGNING IS IN PLACE PRIOR TO ALTERING ANY TRAFFIC PATTERN.

PAVEMENT MARKINGS AND MARKERS

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

ROAD NAME MARKING MARKER ALL ROADS PAINT NONE

- N) 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.
- O) TIE PROPOSED PAVEMENT MARKING LINES TO EXISTING PAVEMENT MARKING LINES.
- P) REMOVE/REPLACE ANY CONFLICTING/DAMAGED PAVEMENT MARKINGS AND MARKERS BY THE END OF EACH DAY'S OPERATION.

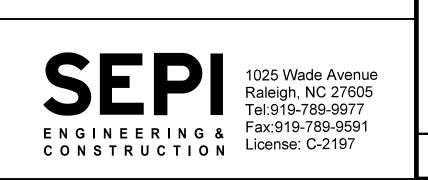
LOCAL NOTE

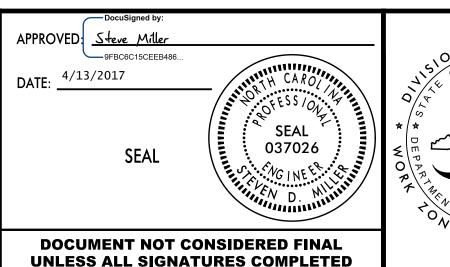
Q) STATE FORCES WILL BE RESPONSIBLE FOR PROVIDING ADVISORY SIGNING REQUIRED FOR TEMPORARY TRAFFIC SIGNALS.

PHASING

PROVIDE THIRTY DAYS NOTICE TO THE ENGINEER. ORANGE COUNTY EMERGENCY SERVICES. AND ORANGE COUNTY SCHOOL OFFICIALS PRIOR TO ROAD CLOSURE.

- STEP 1 USING RSD 1101.01 SHEET 3 OF 3, PLACE ADVANCE WARNING SIGNS ON NC 54, NEVILLE RD, AND HATCH RD.
- STEP 2 USING RSD 1101.02 SHEET 1 OF 15 AND RSD 1101.04 AS NECESSARY, INSTALL TEMPORARY SIGNALS ACCORDING TO THE SIGNAL PLANS, TEMPORARY PAVEMENT MARKINGS, AND STATIONARY WORK ZONE SIGNS W3-3 (SIGNAL AHEAD) AND SP-1 (TEMPORARY SIGNAL).
- STEP 3 USING RSD 1101.03 SHEET 1 OF 9, CLOSE OLD GREENSBORO ROAD (SR 1005), ACTIVATE TEMPORARY SIGNALS, AND DETOUR TRAFFIC OFFSITE AS SHOWN ON TMP-3. MAINTAIN ACCESS TO ALL RESIDENCES AND BUSINESSES BETWEEN CLOSURE POINTS.
- STEP 4 AWAY FROM TRAFFIC, PERFORM THE FOLLOWING:
 - REMOVE THE EXISTING STRUCTURE, AND CONSTRUCT THE PROPOSED STRUCTURE AND ROADWAY.
 - PLACE FINAL PAVEMENT MARKINGS ACCORDING TO THE PAVEMENT MARKING PLANS.
- STEP 5 COVER TEMPORARY SIGNAL AND STATIONARY WORK ZONE TRAFFIC SIGNS W3-3 AND SP-1, INSTALLED IN STEP 2. AND OPEN OLD GREENSBORO ROAD (SR 1005) TO TRAFFIC.
- STEP 6 USING RSD 1101.02 SHEET 1 OF 15 AS NECESSARY, REMOVE TEMPORARY SIGNALS, REMOVE TEMPORARY PAVEMENT MARKINGS, AND RETURN PAVEMENT MARKINGS TO THE PRECONSTRUCTION CONDITION.
- STEP 7 REMOVE ALL WORK ZONE TRAFFIC CONTROL DEVICES.





TRANSPORTATION OPERATION PLAN

PROJ. REFERENCE NO. SHEET NO. TMP-2 B-5348

BACKG COLOR: Fluorescent Orange SIGN NUMBER: SP1 COPY COLOR: **Black** TYPE: STATIONARY QUANTITY: SEE PLANS SYMBOL WID HT X Υ SIGN WIDTH: 3'-6" **HEIGHT:** 1'-6" TOTAL AREA: 5.3 Sq.Ft. **BORDER TYPE: INSET RECESS:** 0.38" WIDTH: 0.5" **RADII:** 1.5"

NO. Z BARS:

MAT'L: 0.080" (2.0 mm) ALUMINUM

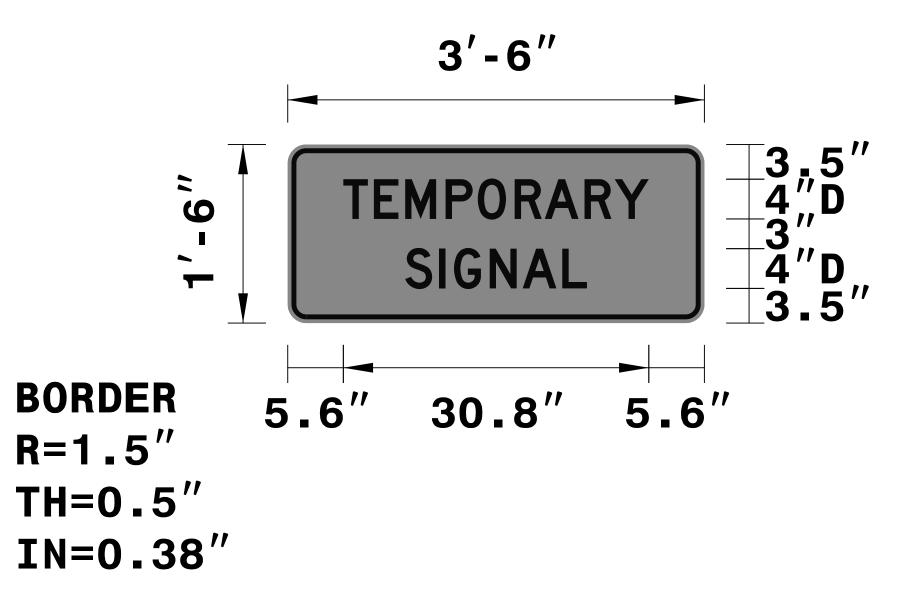
LENGTH:

USE NOTES: 1,2

- 1. Legend and border shall be direct applied black non-reflective sheeting.
- 2. Background shall be NC GRADE B fluorescent orange retroreflective sheeting.

DESIGN BY: M ISHAK PROJECT ID: B-5348

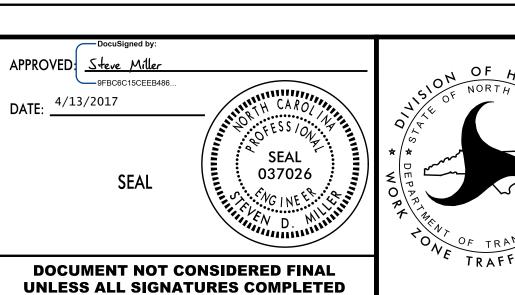
CHECKED BY: S. MILLER LOCATION: ORANGE COUNTY **AUGUST 18, 2016** DIV: 7



LETTER POSITIONS

Letter spacings are to start of next letter															Series/ Text Le		
	Т	E	M	P	0	R	A	R	Υ								D 20
5.6	3.1	3.2	4.1	3.2	3.7	3	4	3	3.4	5.6							30.
	S	I	G	N	Α	L											D 20
11.8	3.4	1.5	3.6	3.3	4	2.5	11.8										18.
															-		
		<u> </u>		<u> </u>	<u> </u>						<u> </u>						

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Spacing Factor is 1 unless specified otherwise

SPECIAL SIGN DESIGN SP-1

PROJ. REFERENCE NO. SHEET NO. TMP-2A B-5348

SIGN NUMBER: SP2 BACKG COLOR: Fluorescent Orange **DESIGN BY:** TYPE: STATIONARY COPY COLOR: **Black** QUANTITY: SEE PLANS SYMBOL WID HT X SIGN WIDTH: 3'-6" **HEIGHT:** 2'-0" TOTAL AREA: 7.0 Sq.Ft. **BORDER TYPE: INSET RECESS:** 0.38" WIDTH: 0.5" **RADII:** 1.5"

NO. Z BARS:

MAT'L: 0.080" (2.0 mm) ALUMINUM

LENGTH:

USE NOTES: 1,2

Legend and border shall be direct applied black non-reflective sheeting.

2.Background shall be NC GRADE B fluorescent orange retroreflective sheeting.

PROJECT ID: B-5348

3'-6" OLD 2'-0" **GREENSBORO** ROAD 4"D **BORDER** 4.35" 33.3" 4.35" R=1.5''

CHECKED BY: S MILLER

LOCATION: ORANGE COUNTY

Spacing Factor is 1 unless specified otherwise

AUGUST 18, 2016

DIV: 7

LETTER POSITIONS

Letter spacings are to start of next letter															Series/Siz Text Lengt		
	0	L	D														D 200
16.2	3.7	3.1	2.7	16.2													9.5
	G	R	E	E	N	S	В	0	R	0							D 200
4.3	3.6	3.4	3.2	3.2	3.4	3.4	3.3	3.7	3.3	2.8	4.3						33.3
	R	0	A	D													D 200
14.3	3.3	3.4	4	2.7	14.3												13.4

TH=0.5''

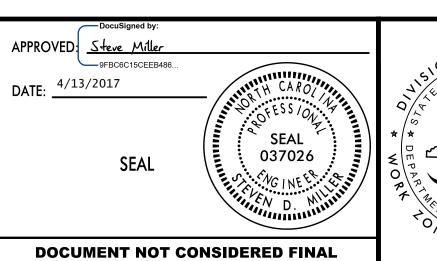
IN=0.38"

M ISHAK

FILENAME: Guidsign_English_8-2-13

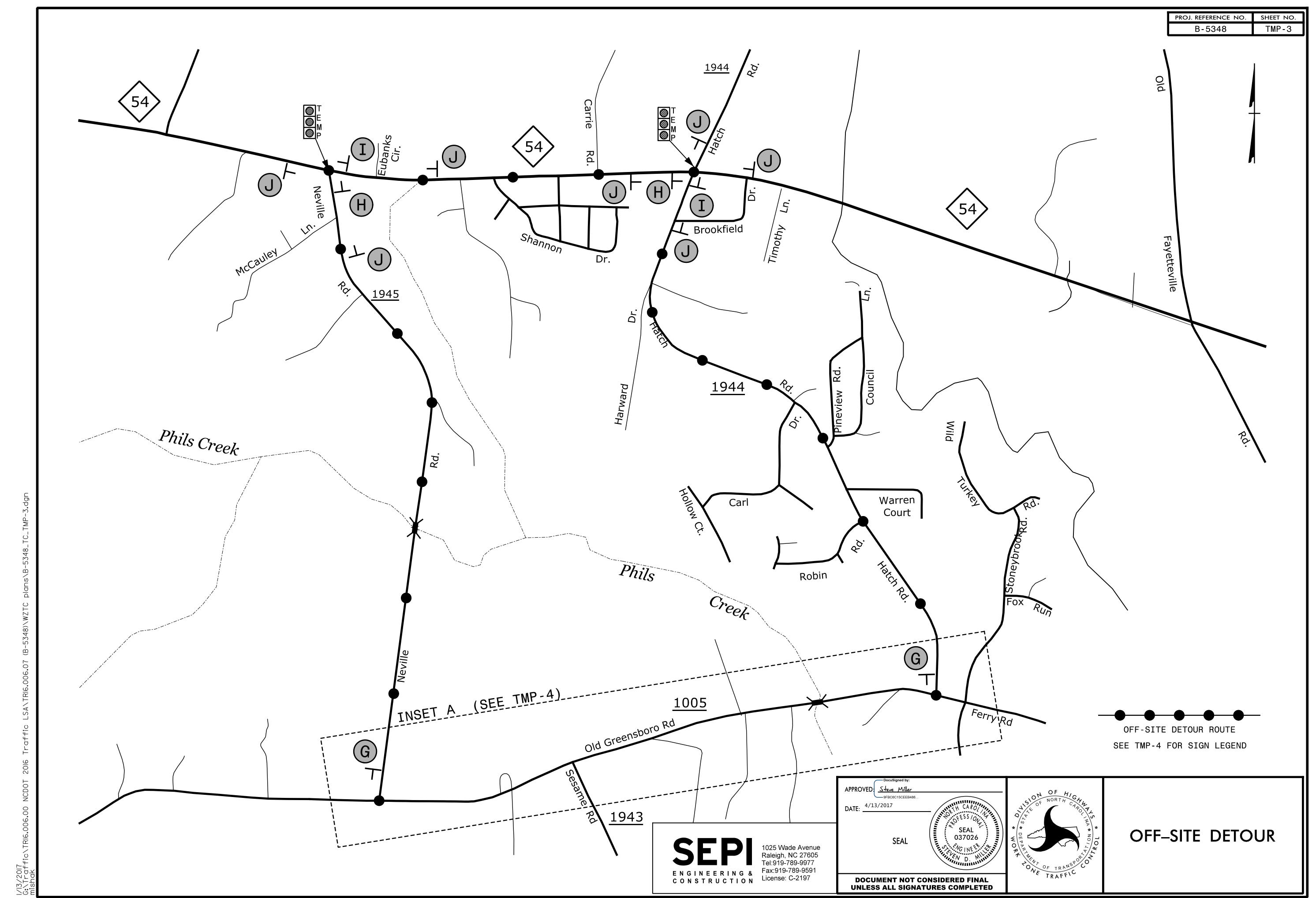
NORTH CAROLINA D.O.T. SIGN DETAIL





UNLESS ALL SIGNATURES COMPLETED

SPECIAL SIGN DESIGN SP-2



PROJ. REFERENCE NO. SHEET NO. TMP-4

