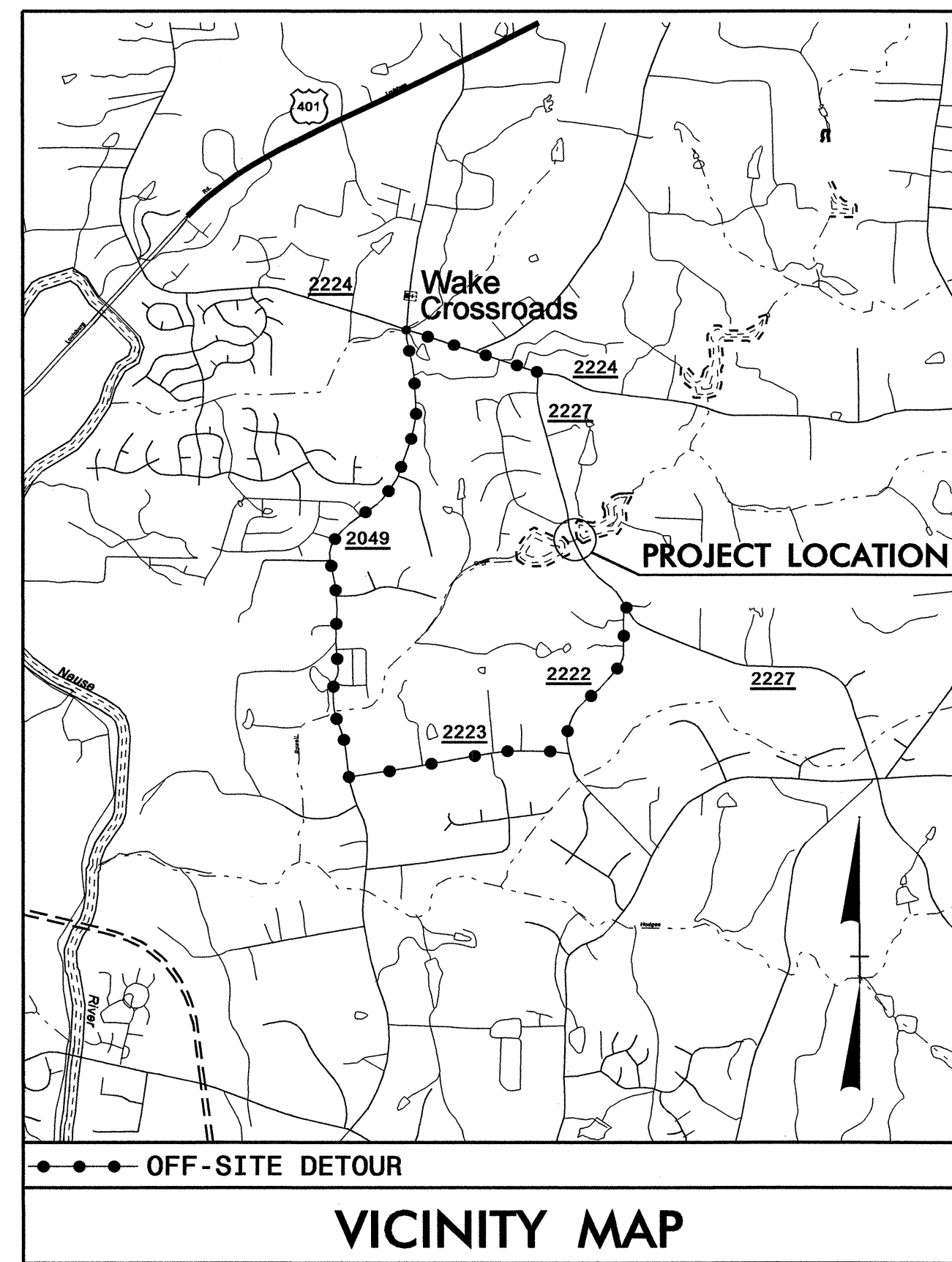
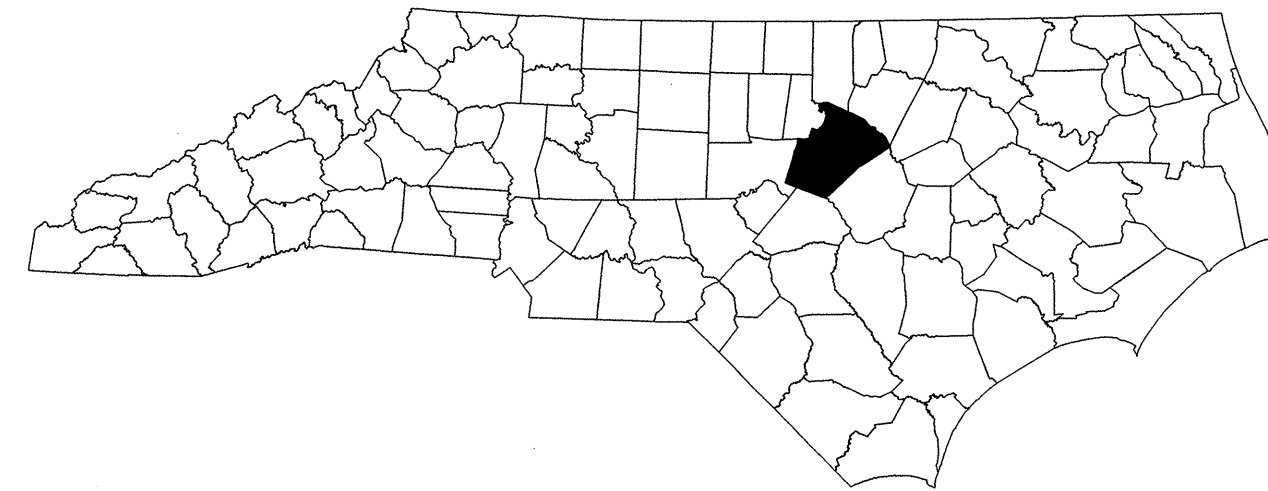


STATE OF NORTH CAROLINA  
DIVISION OF HIGHWAYS

**TRANSPORTATION MANAGEMENT PLAN**

**WAKE COUNTY**



**LOCATION: BRIDGE NO.151 OVER POWELL CREEK ON SR 2227 (WATKINS ROAD)**

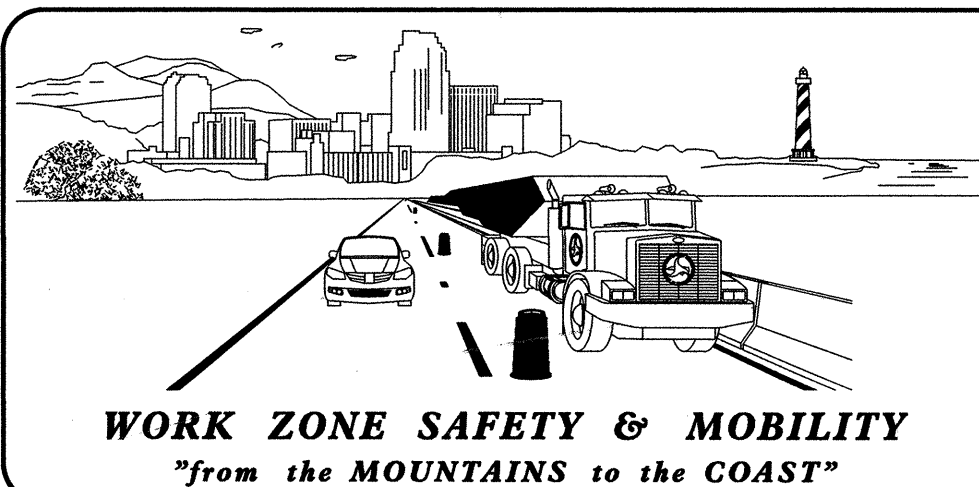
**INDEX OF SHEETS**

SHEET NO.	TITLE
TMP-1	TITLE SHEET, AND INDEX OF SHEETS
TMP-1A	LIST OF APPLICABLE ROADWAY STANDARD DRAWINGS, LEGEND, AND TEMPORARY PAVEMENT MARKING
TMP-1B	TRANSPORTATION OPERATIONS PLAN AND PROJECT NOTES
TMP-2A	DETOUR SIGN DETAIL
TMP-3	PHASING AND PLAN DETAILS
TMP-4	DETOUR PLAN

SHEET NO.  
TMP-1  
**B-4661**

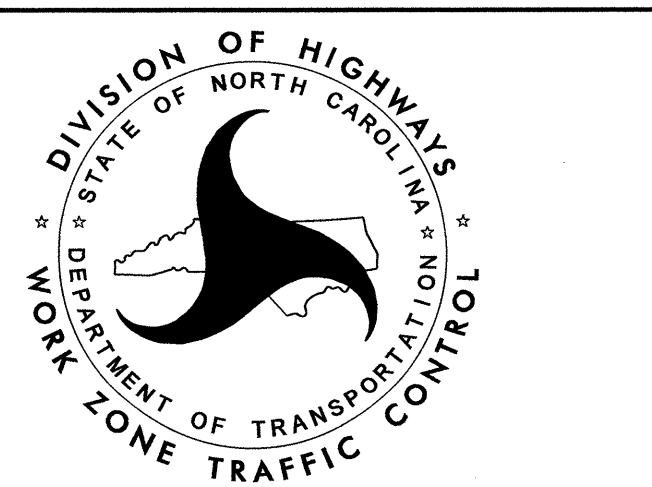
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\$\$\$USERNAME\$\$\$



**N.C.D.O.T. WORK ZONE TRAFFIC CONTROL**  
1561 MAIL SERVICE CENTER (MSC) RALEIGH, NC 27699-1561  
750 N. GREENFIELD PARKWAY, GARNER, NC 27529 (DELIVERY)  
PHONE: (919) 773-2800 FAX: (919) 771-2145

J. S. BOURNE, P.E. STATE TRAFFIC MANAGEMENT ENGINEER  
G. L. GETTIER, P.E. TRAFFIC CONTROL PROJECT ENGINEER  
J. W. GILSTRAP TRAFFIC CONTROL PROJECT DESIGN ENGINEER  
KEN BROADWELL TRAFFIC CONTROL DESIGN ENGINEER



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

SEAL

# ROADWAY STANDARD DRAWINGS

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

<u>STD. NO.</u>	<u>TITLE</u>
1101.03	TEMPORARY ROAD CLOSURES
1101.05	WORK ZONE VEHICLE ACCESSES
1101.11	TRAFFIC CONTROL DESIGN TABLES
1110.01	STATIONARY WORK ZONE SIGNS
1130.01	DRUMS
1145.01	BARRICADES - TYPE III

# LEGEND

## GENERAL

- DIRECTION OF TRAFFIC FLOW
- NORTH ARROW

## TEMPORARY PAVEMENT MARKING

N/A

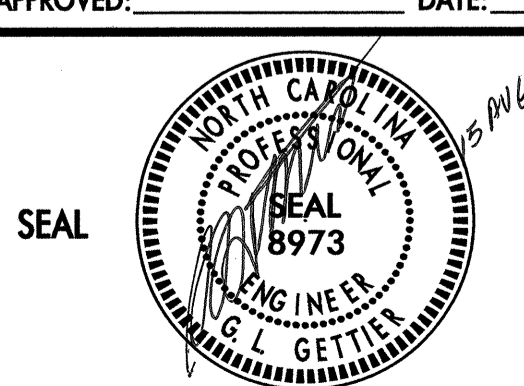
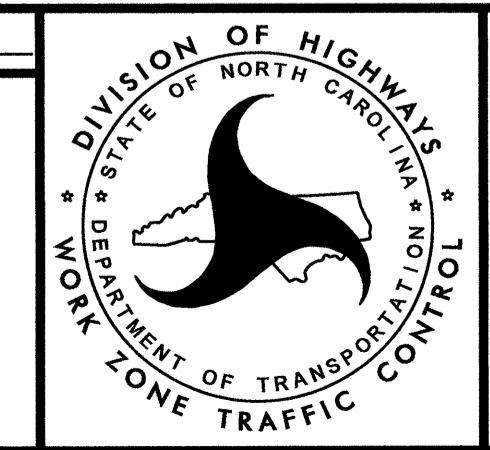
## TRAFFIC CONTROL DEVICES

- BARRICADE (TYPE III)
- CONE
- DRUM    SKINNY DRUM

## TEMPORARY SIGNING

- STATIONARY SIGN

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# TRANSPORTATION OPERATIONS

## CONSTRUCTION

REMOVE AND REPLACE EXISTING STRUCTURE AND APPROACHES ALONG THE EXISTING ROADWAY ALIGNMENT AS SHOWN IN THE CONSTRUCTION PLANS.

## TMP DESIGN PARAMETERS

TRAFFIC WILL BE DETOURED OFFSITE DURING THE CONSTRUCTION PERIOD.

THE OFFSITE DETOUR WILL INCLUDE SR 2224 (MITCHELL MILL RD.), SR 2049 (FORESTVILLE RD.), SR 2223 (OLD WATKINS RD.) AND SR 2222 (WATKINS TOWN RD.) (SEE SHEET TMP-4).

TRAFFIC WILL NEED TO BE MAINTAINED TO THE EXISTING DRIVEWAYS LOCATED WITHIN THE PROJECT LIMITS. (SEE SHEET TMP-3).

# 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, OF 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 AS DIRECTED BY THE ENGINEER.

## PAVEMENT EDGE DROP OFF REQUIREMENTS

- A) BACKFILL AT A 6:1 SLOPE UP TO THE EDGE AND ELEVATION OF EXISTING PAVEMENT IN AREAS ADJACENT TO AN OPENED TRAVEL LANE THAT HAS A 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

## TRAFFIC PATTERN ALTERATIONS

- B) NOTIFY THE ENGINEER A MINIMUM OF THIRTY (30) CALENDAR DAYS PRIOR TO ANY TRAFFIC PATTERN ALTERATION.

## SIGNING

- C) PROVIDE PERMANENT SIGNING.
- D) 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.
- E) 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.
- F) ENSURE ALL NECESSARY SIGNING IS IN PLACE PRIOR TO ALTERING ANY TRAFFIC PATTERN.


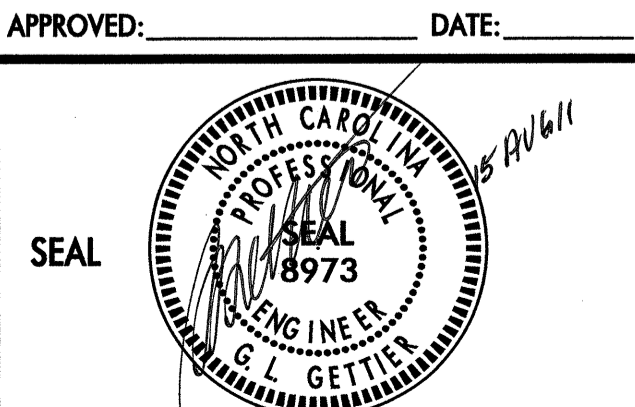
## TRAFFIC CONTROL DEVICES

- G) PLACE TYPE III BARRICADES WITH "ROAD CLOSED" SIGN R-11-2 ATTACHED OF SUFFICIENT LENGTH TO CLOSE ENTIRE ROADWAY.

## PAVEMENT MARKINGS AND MARKERS

- H) INSTALL PAVEMENT MARKINGS AND PAVEMENT MARKERS ON THE FINAL SURFACE AS SHOWN IN THE PAVEMENT MARKING PLAN.
- I) TIE PROPOSED PAVEMENT MARKING LINES TO EXISTING PAVEMENT MARKING LINES.

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SIGN NUMBER: SP11331	BACKG COLOR: Fluorescent Orange	DESIGN BY: S.JOHN	CHECKED BY: S.KUNZ	DATE: Aug 03, 2011
TYPE: STATIONARY	COPY COLOR: Black	PROJECT ID: B-4661	DIV: 9	
QUANTITY: SEE PLANS				

SYMBOL	X	Y	WID	HT

SIGN WIDTH: 4'-0"  
 HEIGHT: 1'-0"  
 TOTAL AREA: 4.0 Sq.Ft.

BORDER TYPE: INSET  
 RECESS: 0.38"  
 WIDTH: 0.63"  
 RADII: 1.5"

NO. Z BARS:  
 LENGTH:

MAT'L: 0.080" (2.0 mm) ALUMINUM  
 0.079" (2.0 mm) COMPOSITE

USE NOTES: 1,2

- Legend and border shall be direct applied black non-reflective sheeting.
- Background shall be Type VII, VIII, or IX (prismatic) fluorescent orange retroreflective sheeting.

**BORDER**  
 R=1.5"  
 TH=0.63"  
 IN=0.38"

Spacing Factor is 0.7 unless specified otherwise

LETTER POSITIONS

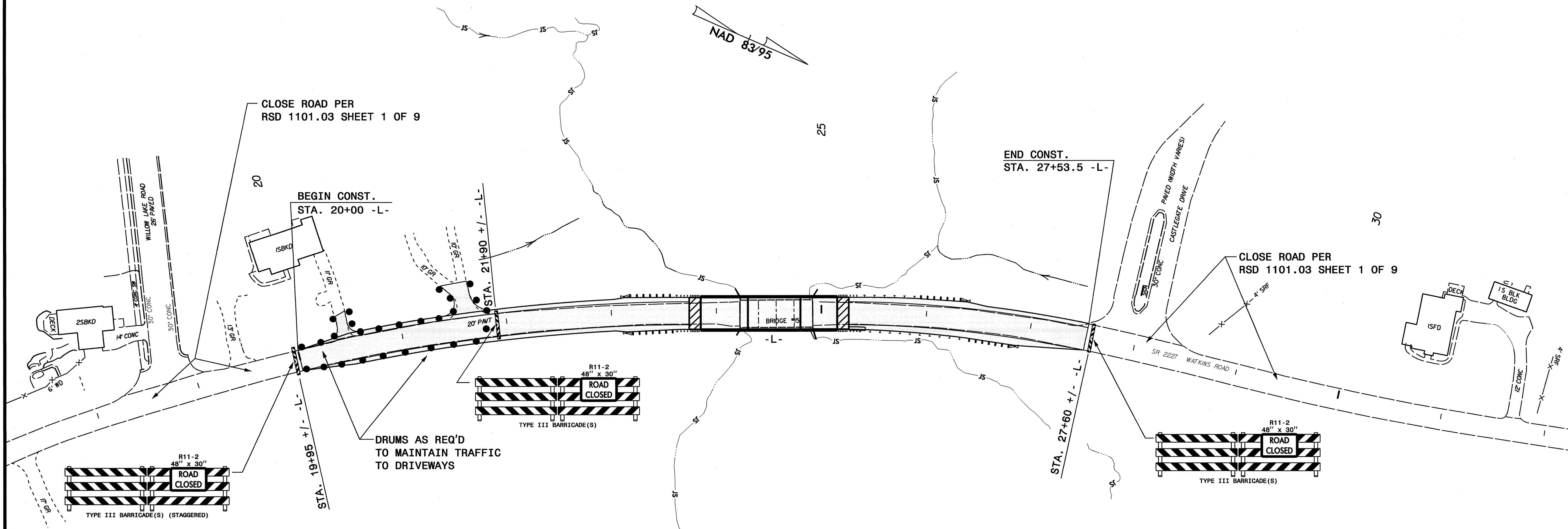
Letter spacings are to start of next letter

Letter Spacing														Series/Size			
W	A	T	K	I	N	S	R	D						Text Length			
4.4	4.8	4.1	3.6	4.1	1.8	4.1	3.4	6	4.1	3.4	4.4						C 2000
																39.3	

FILENAME: B-4661\_trafficSGN NORTH CAROLINA D.O.T. SIGN DETAIL

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APPROVED: _____ DATE: _____		DETOUR SIGN DETAIL



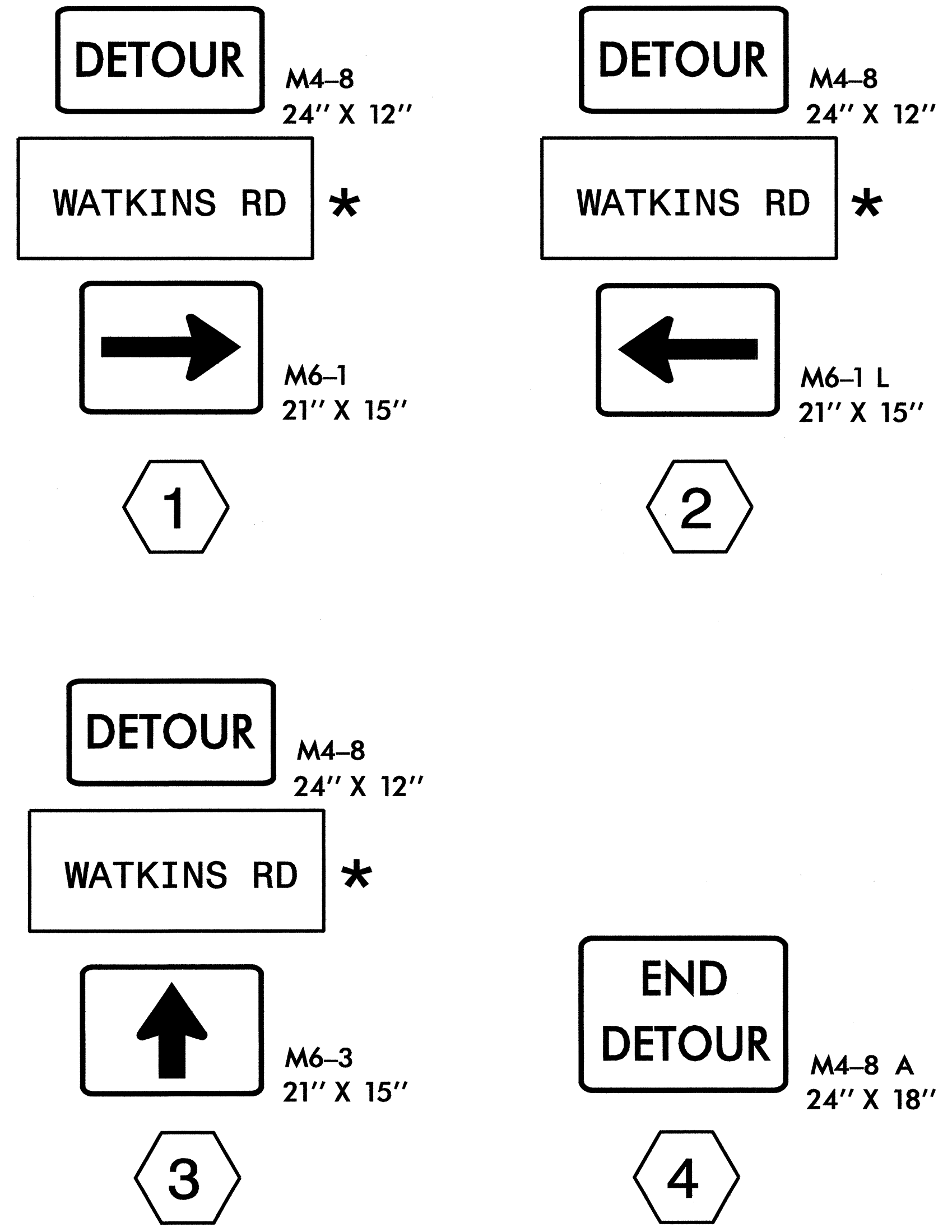
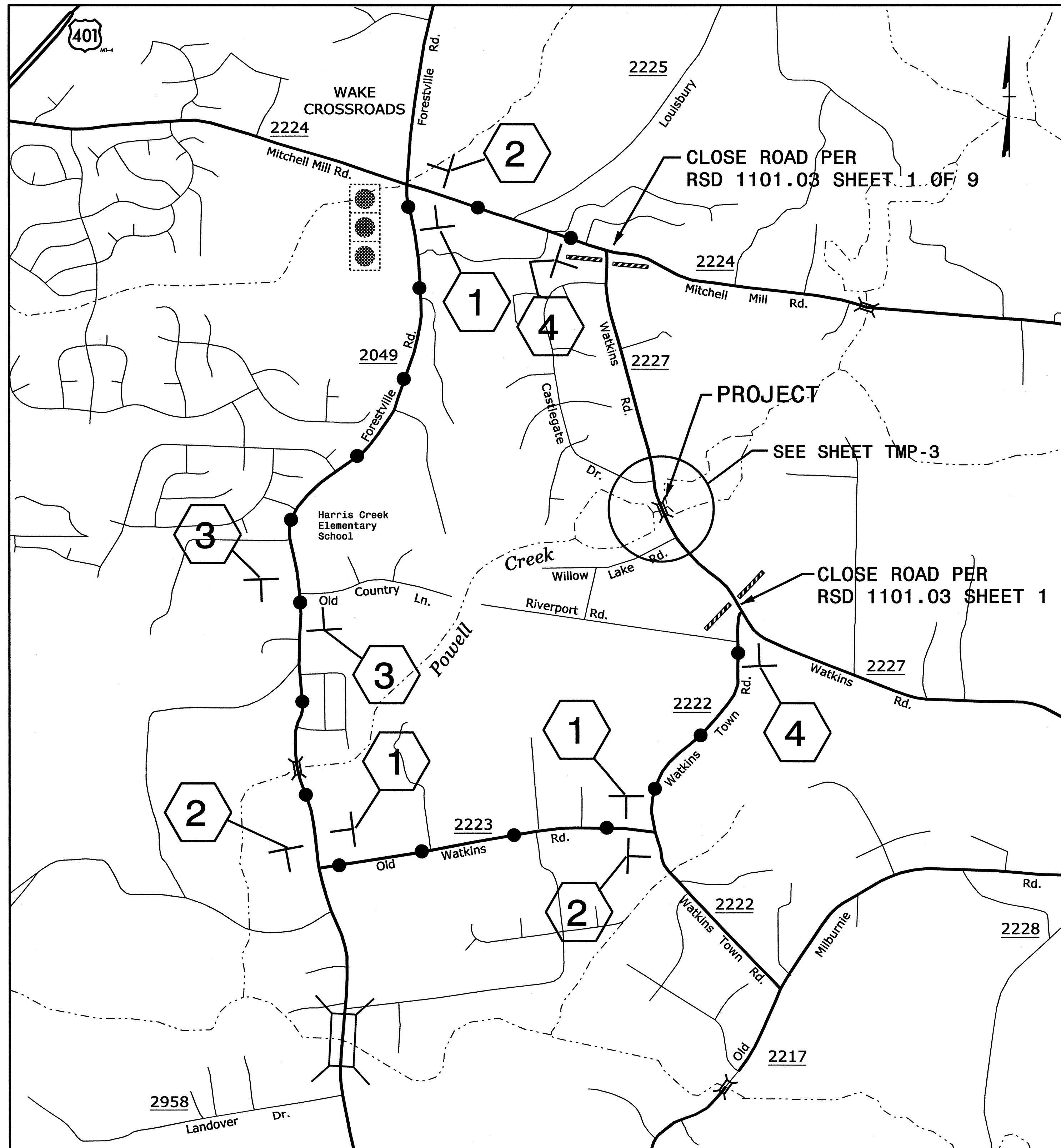
### PHASING

- STEP 1: - INSTALL OFF-SITE DETOUR ROUTE SIGN ASSEMBLIES FOR THE CLOSING OF SR 2227 (WATKINS RD., -L-). SEE SHEETS TMP-2A AND TMP-4.
- USING ROADWAY STANDARD DRAWING NO. 1101.03, SHEET 1 OF 9 AND SHEETS TMP-3 AND TMP-4 CLOSE SR 2227 (WATKINS RD., -L-) TO THRU TRAFFIC.
- NOTE: INSTALL ADDITIONAL TYPE III BARRICADE AT STATION 21+90 +/- -L-, TO MAINTAIN ACCESS TO DRIVEWAYS DURING CONSTRUCTION.
- STEP 2: - REMOVE THE EXISTING STRUCTURE AND CONSTRUCT THE PROPOSED STRUCTURE AND ROADWAY UP TO AND INCLUDING THE FINAL LAYER OF SURFACE COURSE AND PLACE FINAL PAVEMENT MARKINGS ON SR 2227 (WATKINS RD., -L-). SEE CONSTRUCTION PLANS AND FINAL PAVEMENT MARKING PLANS.
- STEP 3: - REMOVE ALL TRAFFIC CONTROL DEVICES, SIGNING AND DETOUR ROUTE SIGNING.
- OPEN TO FINAL TRAFFIC PATTERN.

NOTES:  
1. TYPE III BARRICADE LOCATIONS ARE APPROXIMATE. FIELD ADJUST AS REQUIRED.

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\* -SEE SHEET TMP-2A FOR SPECIAL SIGN DETAILS.

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