# STATE OF NORTH CAROLINA DIVISION OF HIGHWAYS

STATE PROJECT REFERENCE NO. B-4216 TCP-1

# PLAN FOR PROPOSED TRAFFIC CONTROL, MARKING & DELINEATION

# ORANGE COUNTY

# 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 JULY 2006 ARE APPLICABLE TO THIS PROJECT AND BY REFERENCE HEREBY ARE CONSIDERED A PART OF THESE PLANS:

## TITLE

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	DRUM
1145.01	BARRICADES - TYPE III

# INDEX OF SHEETS

## SHEET NO.

## TITLE

TCP-1	LIST OF APPLICABLE ROADWAY STANDARD DRAWINGS, LEGEND, INDEX OF SHEETS, PHASING, AND GENERAL NOTES
TCP-2	PLAN VIEWS

TCP-3 DETOUR ROUTE SD-1 SPECIAL SIGN DESIGNS

# **PHASING**

## PHASE I

NOTE: THE CONTRACTOR SHALL FURNISH AND INSTALL ALL DETOUR ROUTE SIGNAGE TO CLOSE THE ROADWAY TO TRAFFIC (SEE SHEETS TCP-2, TCP-3 AND SD-1).

### STEP 1:

THE CONTRACTOR SHALL CLOSE ST. MARY'S ROAD (-L-) USING SHEETS TCP-2. TCP-3 AND RSD 1101.03 SHEET 1 OF 9, AND PLACE TRAFFIC ONTO THE DETOUR.

### STEP 2:

THE CONTRACTOR SHALL CONSTRUCT PROPOSED DRIVES -DR1- AND -DR2- AND OPEN TO TRAFFIC (SEE SHEET TCP-2 AND THE CONSTRUCTION PLANS).

# STEP 3: THE CONTRACTOR SHALL:

- RESET TYPE III BARRICADES FROM STA. 17+55 +/- -L- TO STA. 15+90 +/- -L-AND FROM STA. 19+20 +/- -L- TO STA. 19+90 +/- -L- (SEE SHEET TCP-2).
- OBLITERATE EXISTING STRUCTURE AND CONSTRUCT THE PROPOSED STRUCTURE AND APPROACHES AS SHOWN IN THE CONSTRUCTION PLANS AND SHEET TCP-2.

NOTE: USE DRUMS TO MAINTAIN TRAFFIC TO DRIVES -DR1- AND -DR2- DURING ALL PROJECT CONSTRUCTION ACTIVITIES.

### STEP 4:

THE CONTRACTOR SHALL FURNISH AND INSTALL ALL PAVEMENT MARKING AND PAVEMENT MARKERS AS DESCRIBED IN THE PAVEMENT MARKING PLANS.

### STEP 5:

AFTER CONSTRUCTION IS COMPLETE THE CONTRACTOR SHALL REMOVE ALL TRAFFIC CONTROL DEVICES AND OPEN THE ROADWAY TO THE FINAL TRAFFIC PATTERN.

# 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 AS DIRECTED BY THE ENGINEER.

#### TRAFFIC PATTERN ALTERATIONS

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

#### SIGNING

- B) PROVIDE PERMANENT SIGNING.
- PROVIDE DETOUR SIGNING ON AND OFF THE PROJECT LIMITS.
- COVER OR REMOVE ALL DETOUR SIGNS ON AND OFF THE PROJECT LIMITS WHEN A DETOUR IS NOT IN OPERATION.
- ENSURE ALL NECESSARY SIGNING IS IN PLACE PRIOR TO ALTERING ANY TRAFFIC PATTERN.

### TRAFFIC CONTROL DEVICES

F) PLACE TYPE III BARRICADES, WITH "ROAD CLOSED" SIGN R11-2 ATTACHED, OF SUFFICIENT LENGTH TO CLOSE ENTIRE ROADWAY.

## PAVEMENT MARKINGS AND MARKERS

G) INSTALL PAVEMENT MARKINGS AND PAVEMENT MARKERS ON THE FINAL SURFACE AS DESCRIBED IN THE PAVEMENT MARKING PLANS.

# **LEGEND**

## **GENERAL**

DIRECTION OF TRAFFIC FLOW

PROPOSED PVMT.
 PROPOSED PVMT.



**WORK AREA** 



REMOVAL OF EXISTING PAVEMENT

## TRAFFIC CONTROL DEVICES

TYPE III BARRICADE

SKINNY DRUM

FLASHING ARROW PANEL (TYPE C)

STATIONARY SIGN

STATIONARY OR PORTABLE SIGN

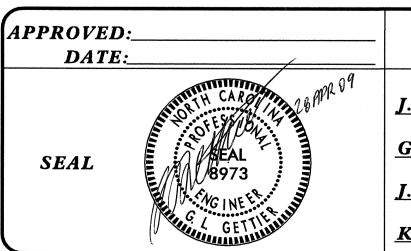
→ CRASH CUSHION

CHANGEABLE MESSAGE SIGN

TRUCK MOUNTED IMPACT ATTENUATOR (TMIA)

POLICE

**FLAGGER** 



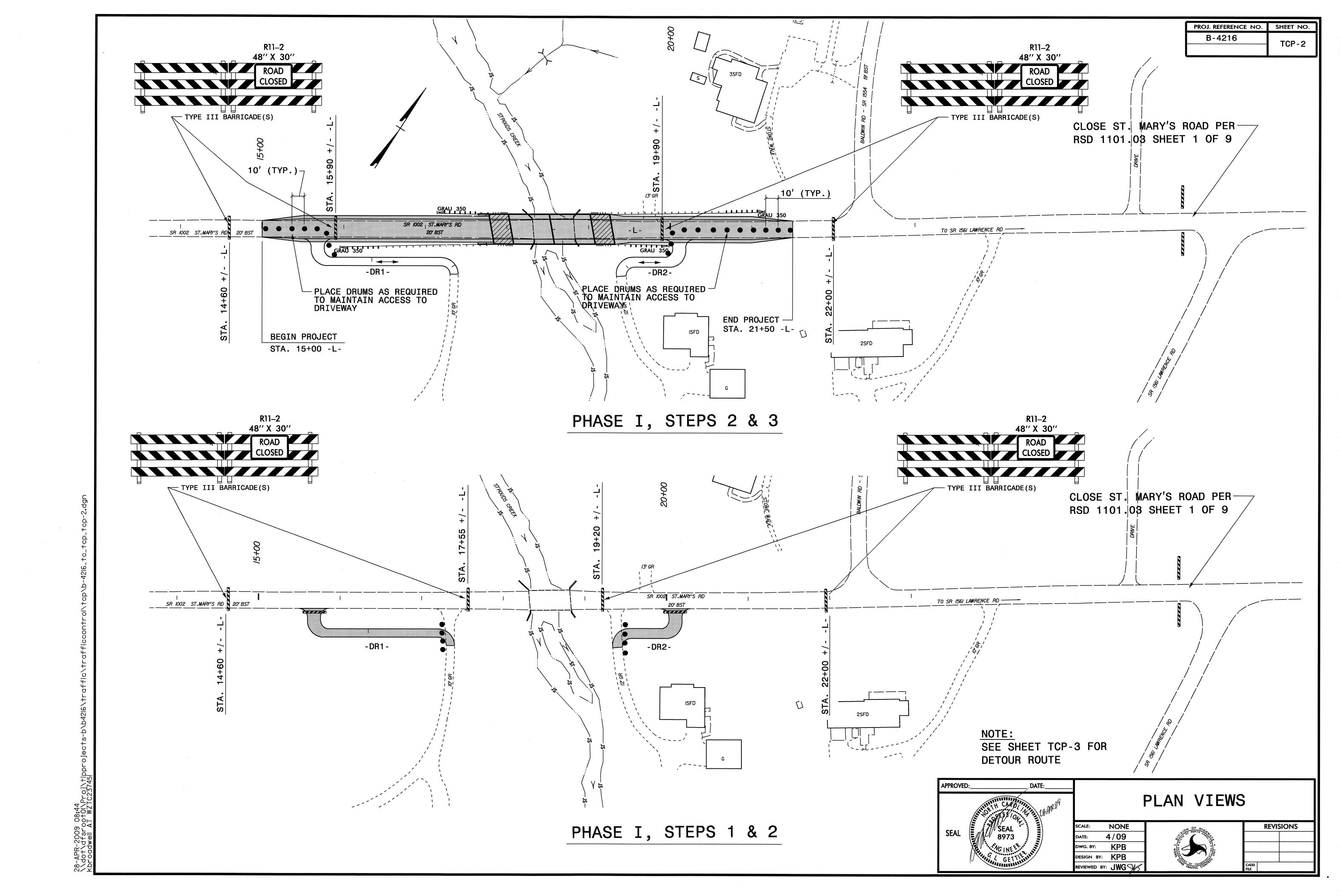
PLAN PREPARED BY: N.C.D.O.T. WORK ZONE TRAFFIC CONTROL UNIT

J. S. BOURNE, P.E. TRAFFIC CONTROL ENGINEER

G. L. GETTIER, P.E. TRAFFIC CONTROL PROJECT ENGINEER

\_ TRAFFIC CONTROL PROJECT DESIGN ENGINEER

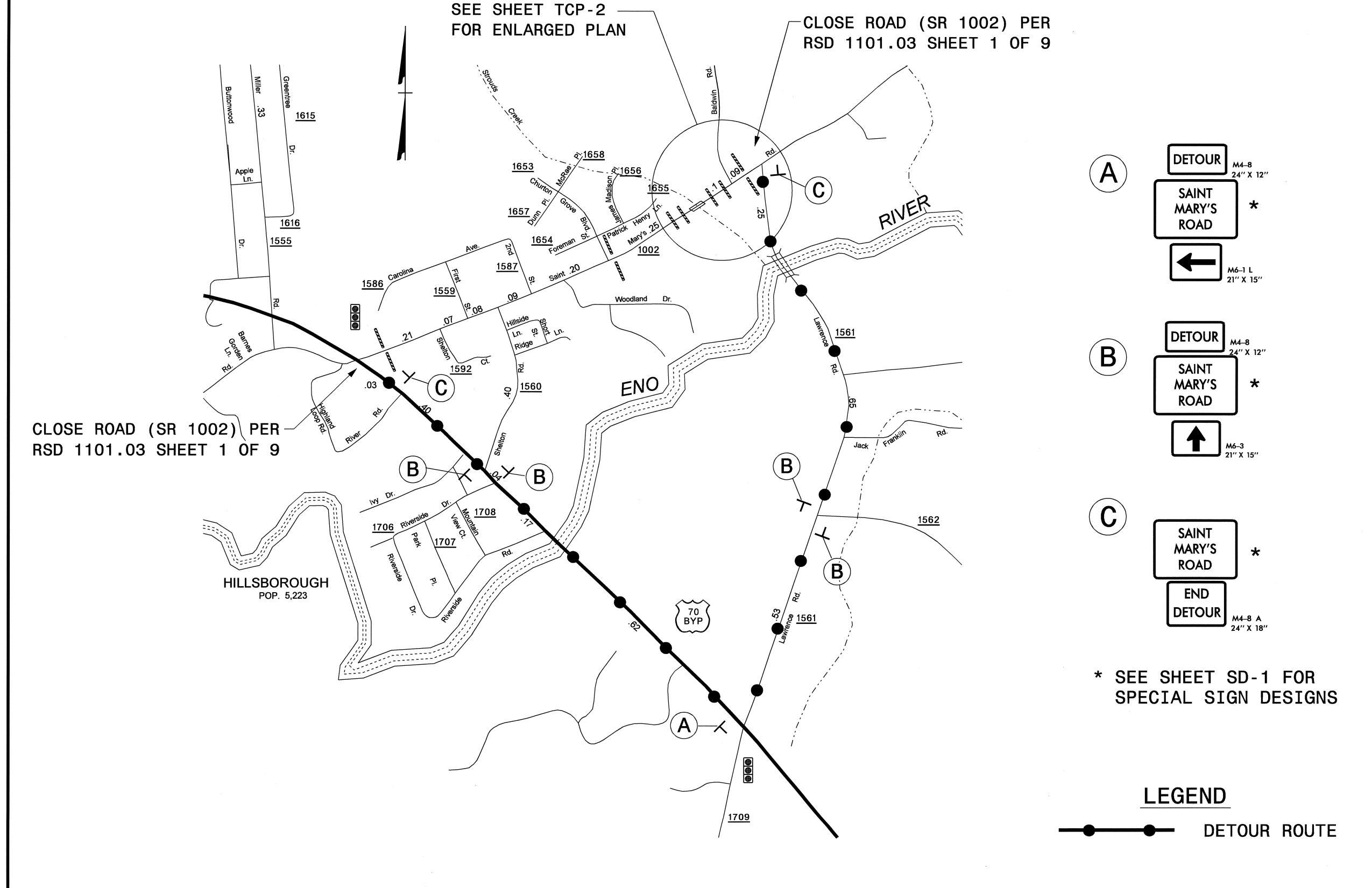
KEN BROADWELL TRAFFIC CONTROL DESIGN ENGINEER / TECHNICIAN

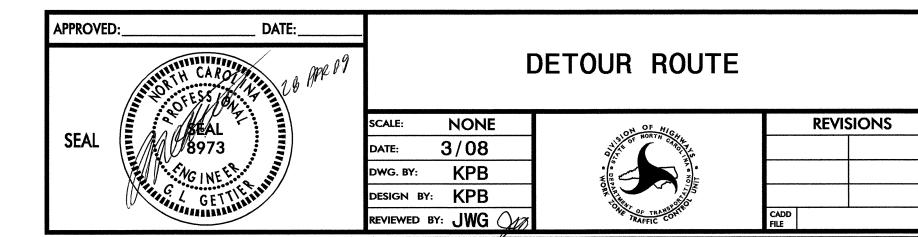


PROJ. REFERENCE NO.

B-4216

TCP-3





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