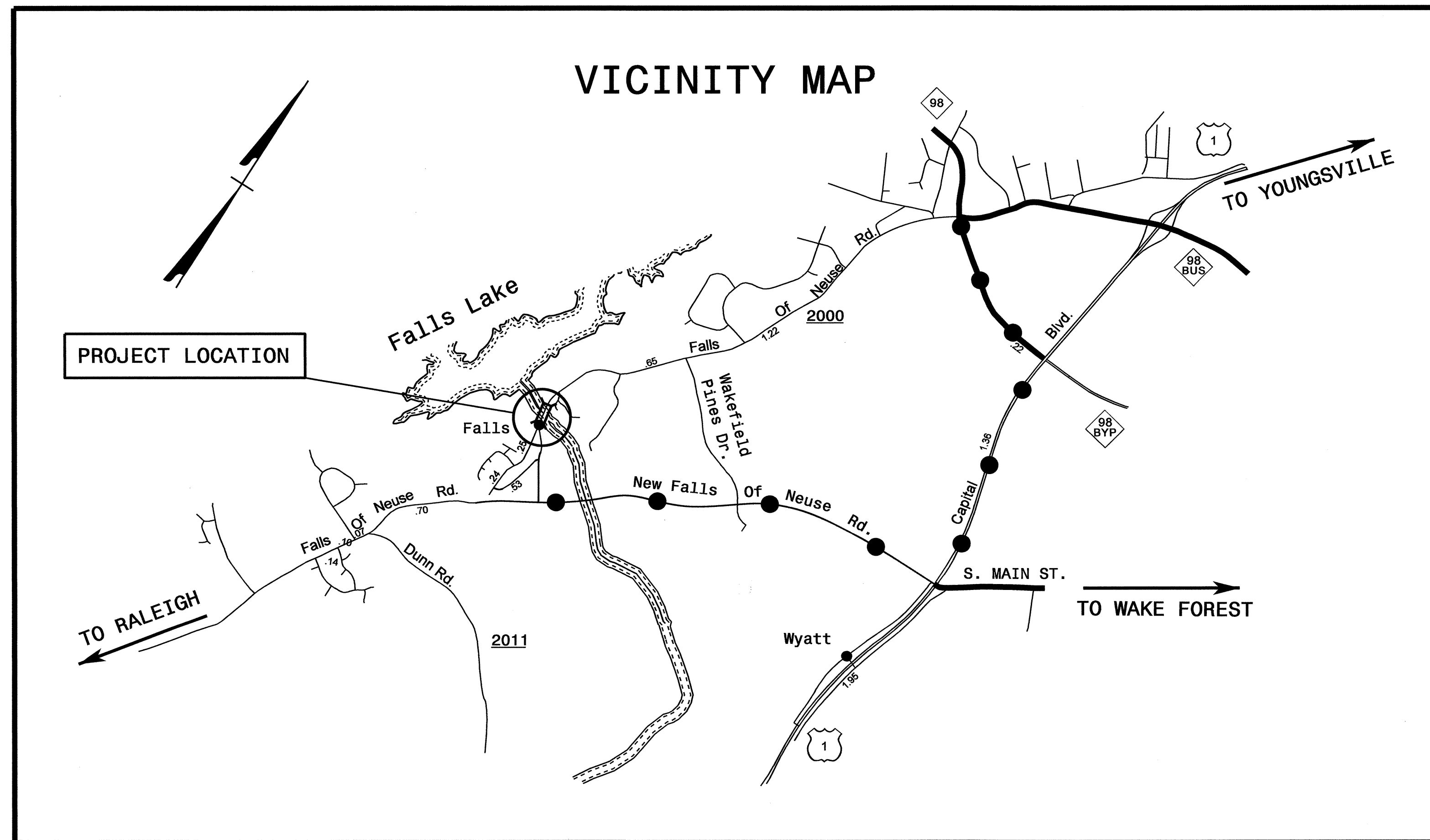
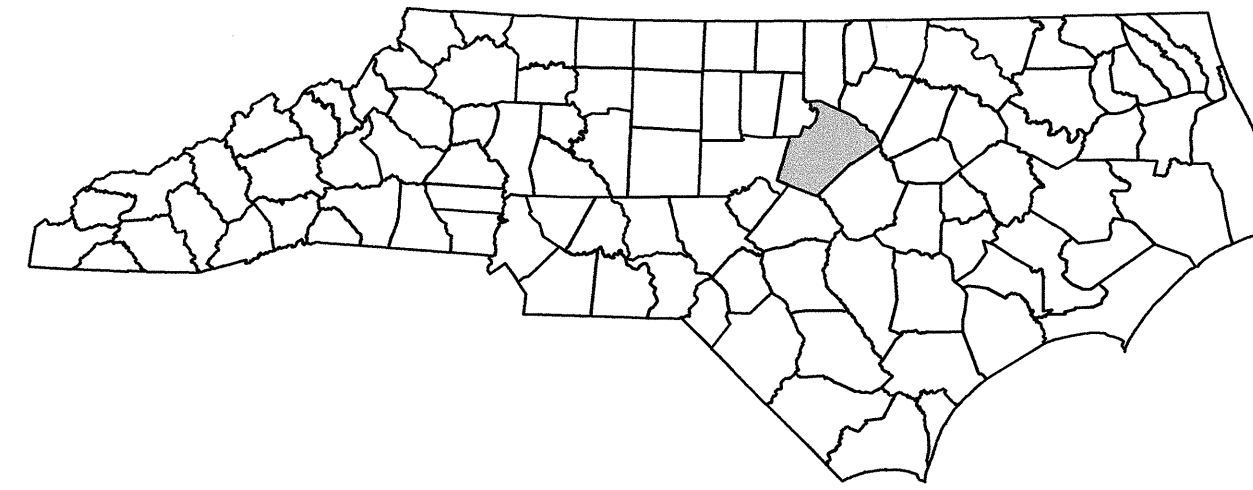


STATE OF NORTH CAROLINA
DIVISION OF HIGHWAYS

TRANSPORTATION MANAGEMENT PLAN

WAKE COUNTY



INDEX OF SHEETS

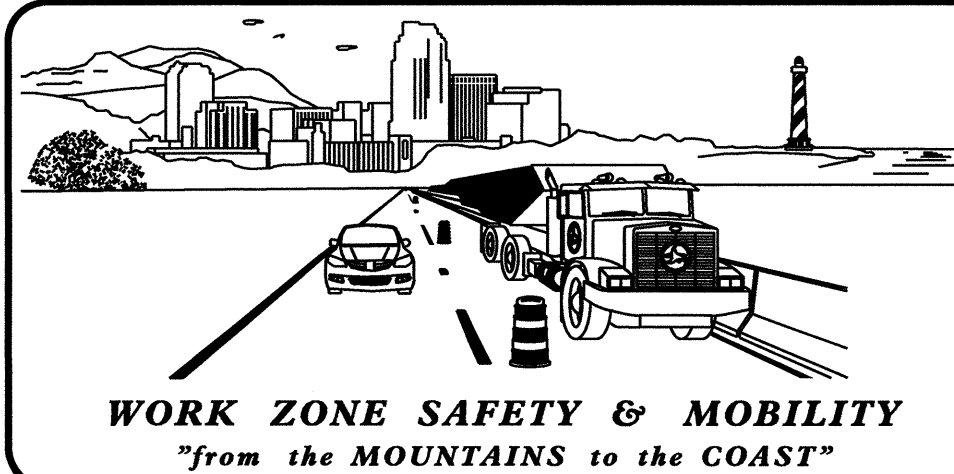
SHEET NO.	TITLE
TMP-1	TITLE SHEET AND INDEX OF SHEETS
TMP-2	ROADWAY STANDARD DRAWINGS & LEGEND
TMP-3	DETAIL DRAWING FOR TWO-WAY UNDIVIDED AND URBAN FREEWAYS WORK ZONE WARNING SIGNS
TMP-4	GENERAL NOTES, LOCAL NOTES AND PHASING
TMP-5	FALLS OF NEUSE RD. ROAD CLOSURE AND DETOUR SIGNING
TMP-6	FALLS OF NEUSE RD. ROAD CLOSURE SIGNING DETAIL
SD-1	SPECIAL SIGN DESIGN

SHEET NO.
TMP-1

B-4660

TIP PROJECT:

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sdjennings AT T244731



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) 771-2745

J. S. BOURNE, P.E. STATE TRAFFIC MANAGEMENT ENGINEER
J. ISHAK, P.E. TRAFFIC CONTROL PROJECT ENGINEER
MICHELLE WARD, P.E. TRAFFIC CONTROL PROJECT DESIGN ENGINEER
S. B. JENNINGS TRAFFIC CONTROL DESIGN ENGINEER



APPROVED: *Michelle Ward*
DATE: 6/23/11



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

<u>STD. NO.</u>	<u>TITLE</u>
1101.02	TEMPORARY LANE CLOSURES
1101.03	TEMPORARY ROAD CLOSURES
1101.11	TRAFFIC CONTROL DESIGN TABLES
1110.01	STATIONARY WORK ZONE SIGNS
1110.02	PORTABLE WORK ZONE SIGNS
1130.01	DRUMS
1145.01	BARRICADES
1180.01	SKINNY-DRUM
1205.01	PAVEMENT MARKINGS - LINE TYPES & OFFSETS
1205.02	PAVEMENT MARKINGS - 2 LANE & MULTILANE ROADWAYS
1205.04	PAVEMENT MARKINGS - INTERSECTIONS
1205.12	PAVEMENT MARKINGS - BRIDGES

LEGEND

GENERAL

- DIRECTION OF TRAFFIC FLOW
- DIRECTION OF PEDESTRIAN TRAFFIC FLOW
- EXIST. PVMT.
- NORTH ARROW
- PROPOSED PVMT.
- WORK AREA
- REMOVAL

TEMPORARY PAVEMENT MARKING

- PA WHITE EDGELINE (4")
- PD 2' WHITE MINISKIP (4")
- PI DOUBLE YELLOW CENTERLINE (4")
- P4 WHITE STOPBAR (24")

TRAFFIC CONTROL DEVICES

- BARRICADE (TYPE III)
- CONE
- DRUM SKINNY DRUM TUBULAR MARKER
- TEMPORARY CRASH CUSHION
- FLASHING ARROW PANEL (TYPE C)
- FLAGGER
- LAW ENFORCEMENT
- TRUCK MOUNTED IMPACT ATTENUATOR (TMIA)
- CHANGEABLE MESSAGE SIGN

TEMPORARY SIGNING

- PORTABLE SIGN
- STATIONARY SIGN
- STATIONARY OR PORTABLE SIGN

SIGNALS

- EXISTING PROPOSED TEMPORARY

PAVEMENT MARKINGS

- EXISTING LINES
- TEMPORARY LINES

PAVEMENT MARKERS

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

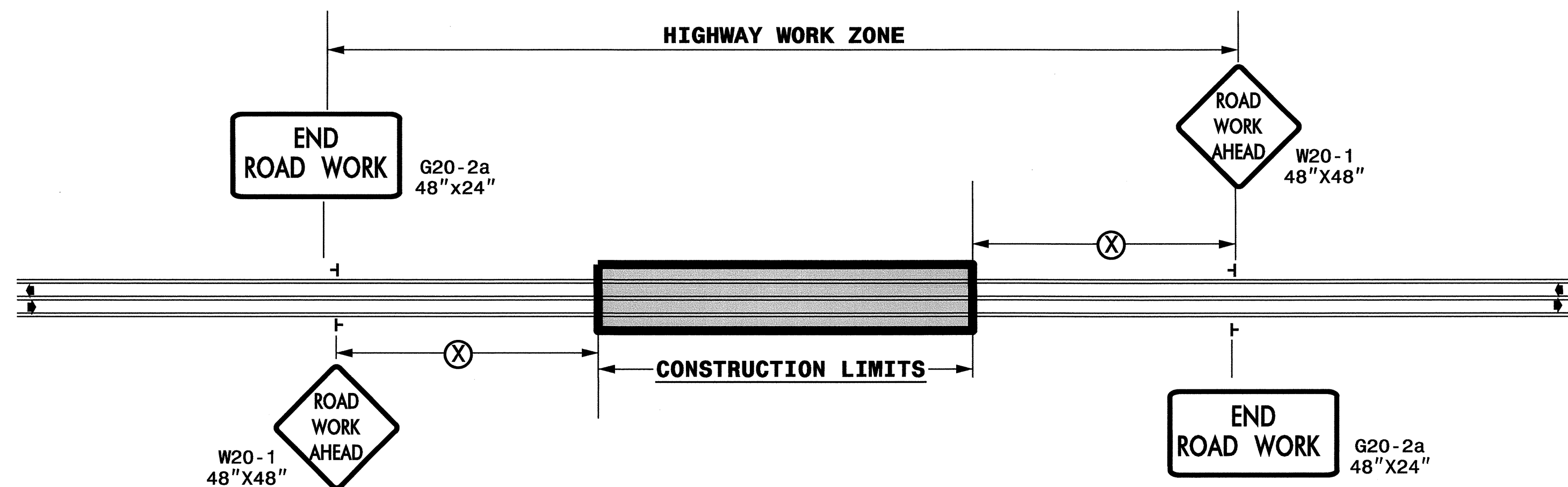
PAVEMENT MARKING SYMBOLS

- PAVEMENT MARKING SYMBOLS

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sojennings AT 12:24/51

APPROVED DATE 6/22/11		
<h3>ROADWAY STANDARD DRAWINGS & LEGEND</h3>		

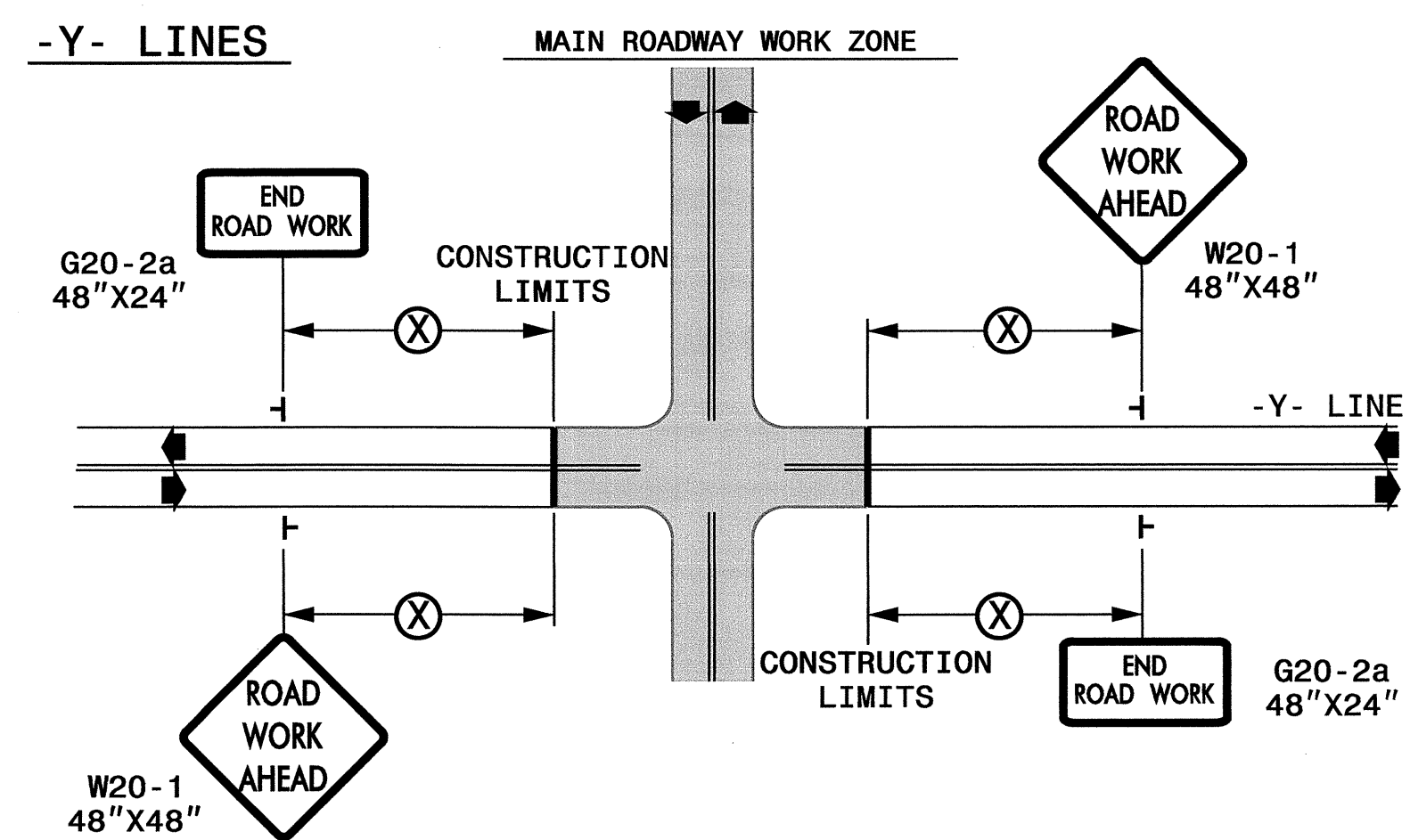
TWO-WAY UNDIVIDED ** (L-LINES)



POSTED SPEED LIMIT (M.P.H.)	RECOMMENDED MINIMUM SIGN SPACING
≤ 50	500'
≥ 55	1000'

STATE OF NORTH CAROLINA
DEPT. OF TRANSPORTATION
DIVISION OF HIGHWAYS
RALEIGH, N.C.

ROADWAYS INTERSECTING ALONG 2 WAY UNDIVIDED WORK ZONE (Y-LINES)



DETAIL DRAWING FOR
TWO-WAY UNDIVIDED
WORK ZONE WARNING SIGNS

GENERAL NOTES

- USE FLUORESCENT ORANGE SHEETING (TYPE VII OR HIGHER) ON ALL ADVANCED WORK ZONE SIGNS.
- DO NOT INSTALL ADVANCE WARNING SIGNS MORE THAN 3 DAYS PRIOR TO BEGINNING OF WORK.
- SIGNS SHOWN ARE REQUIRED FOR WORK ZONES THAT WILL REMAIN IN EFFECT OVERNIGHT. FOR SHORT-TERM DAILY MAINTENANCE TYPE OPERATIONS, THIS SIGNING APPLICATION IS OPTIONAL; MAY USE ONLY APPLICABLE ROADWAY STANDARD DRAWINGS INSTEAD. HOWEVER, IF THIS SIGNING APPLICATION IS USED, SIGNS MAY BE PORTABLE MOUNTED.
- ALL SIGN SPACING DIMENSIONS ARE APPROXIMATE, FIELD ADJUST AS NECESSARY OR AS DIRECTED.
- USE 3LB STEEL U-CHANNEL POST OR 4" X 4" WOOD POST FOR ALL WORK ZONE SIGNS. 3LB STEEL U-CHANNEL POSTS MUST MEET THE REQUIREMENTS OF STANDARD SPECIFICATION SECTION 1094-1(B), MAY BE GALVANIZED STEEL, OR MAY BE PAINTED GREEN BY THE POST MANUFACTURER. SQUARE STEEL TUBING POSTS HAVING EQUIVALENT STRENGTH OF THE 3 LB STEEL U-CHANNEL POST ARE ALSO ACCEPTABLE FOR USE. ERECT SIGNS PER ROADWAY STANDARD DRAWING 1110.01. PAYMENT FOR WOOD POSTS, 3LB STEEL U-CHANNEL AND SQUARE STEEL TUBING POSTS WITH SIGNS WILL BE MADE ACCORDING TO STANDARD SPECIFICATION "WORK ZONE SIGNS" SECTION 1110.
- WHEN NECESSARY, USE SPLICING IN ACCORDANCE WITH ROADWAY STANDARD DRAWING NO. 1110.01. REMOVE ENTIRE POST WHEN REMOVING SIGNS WITH SPLICED POSTS.
- DO NOT BACK BRACE SIGN SUPPORTS.
- ** TWO-WAY UNDIVIDED ADVANCE WARNING SIGN CONFIGURATION MAY BE USED ON URBAN MULTI-LANE FACILITIES WHERE CONDITIONS LIMIT THE USE OF DUAL MOUNTED SIGNS AS DETERMINED BY THE ENGINEER.

LEGEND

┆ STATIONARY SIGN

◀ DIRECTION OF TRAFFIC FLOW

SHEET 1 OF 1

APPROVED: *Michelle Ward* DATE: 6/23/11

PROFESSIONAL SEAL
033789
ENGINEER
MICHELLE WARD

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

DETAIL DRAWING FOR TWO-WAY UNDIVIDED AND URBAN FREEWAYS
WORK ZONE WARNING SIGNS

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GENERAL NOTES / LOCAL 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 UNDESIRABLE 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.

TRAFFIC PATTERN ALTERATIONS

- A) NOTIFY THE ENGINEER THIRTY (30) CALENDAR DAYS PRIOR TO ANY TRAFFIC PATTERN ALTERATION. THE ENGINEER WILL BE RESPONSIBLE FOR NOTIFYING THE WAKE COUNTY EMERGENCY SERVICES AND PUBLIC SCHOOLS AT LEAST TWO (2) MONTHS PRIOR TO THE ROAD CLOSURE.

SIGNING

- B) 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.
- 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 R11-2 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) INSTALL TEMPORARY PAVEMENT MARKINGS AND TEMPORARY PAVEMENT MARKERS ON INTERIM LAYERS OF PAVEMENT AS FOLLOWS:

ROAD NAME	MARKING	MARKER
SR 2000 (FALLS OF NEUSE RD.)	PAINT	N/A
SR 2001 (FONVILLE RD.)	PAINT	N/A

- J) 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.
- K) TIE PROPOSED PAVEMENT MARKING LINES TO EXISTING PAVEMENT MARKING LINES.

LOCAL NOTES:

- 1) COORDINATE WITH FALLS DAM OFFICIALS CONCERNING CONSTRUCTION OF -Y1- AND -Y2-, AND THE CLOSURE OF FALLS OF NEUSE ROAD AS IT AFFECTS FALLS TAILRACE FISHING AREA. MAINTAIN ACCESS TO FISHING AREA AT ALL TIMES UNLESS DIRECTED BY THE ENGINEER.

PHASING

- NOTES: 1. MAINTAIN ACCESS TO PARKING LOT AT FALLS DAM TAILRACE AREA. COORDINATE WITH FALLS DAM OFFICIALS AND ENGINEER AS NECESSARY.
2. MAINTAIN ACCESS TO EXISTING CANOE LAUNCH DRIVEWAY AT -L- STA. 22+00 +/- UNTIL COMPLETION OF NEW DRIVE AT -L- STA. 20+14 +/- (WORK TO BE PERFORMED BY OTHERS)

STEP 1: INSTALL ADVANCED WARNING SIGNS ON FALLS OF NEUSE ROAD AND FONVILLE ROAD AS REQUIRED IN GENERAL NOTES. (SEE SHEET TMP-2)

STEP 2: PLACE CMSs AS SHOWN ON TMP-5, ACTIVATE MESSAGE 'A' SEVEN (7) DAYS PRIOR TO CLOSING SR 2000 (FALLS OF NEUSE ROAD) IN STEP 3.

NOTE: NOTIFY THE ENGINEER THIRTY (30) CALENDAR DAYS PRIOR TO CLOSING SR 2000 (FALLS OF NEUSE ROAD). THE ENGINEER WILL BE RESPONSIBLE FOR NOTIFYING THE WAKE COUNTY EMERGENCY SERVICES AND PUBLIC SCHOOLS AT LEAST TWO (2) MONTHS PRIOR TO THE ROAD CLOSURE.

COMPLETE THE WORK REQUIRED OF STEP 3 IN ORDER TO CLOSE SR 2000 (FALLS OF NEUSE ROAD) AND TAKE THE EXISTING BRIDGE OUT OF SERVICE ON, OR BY DECEMBER 31, 2011.

- STEP 3:
- USING RSD 1101.03 SHEET 1 OF 9, SHEET TMP-5 AND TMP-6, INSTALL ROAD CLOSURE AND DETOUR SIGNS, PLACE TYPE III BARRICADES TO CLOSE SR 2000 (FALLS OF NEUSE ROAD) TO THROUGH TRAFFIC AND DETOUR TRAFFIC OFFSITE. (SEE LOCAL NOTE 1)
 - ACTIVATE CMS MESSAGE 'B' FOR SEVEN (7) DAYS AS SHOWN ON TMP-5.

STEP 4: AWAY FROM TRAFFIC PERFORM THE FOLLOWING: (SEE LOCAL NOTE 1)

- REMOVE STRUCTURE NO. 19 AND CONSTRUCT PROPOSED STRUCTURE. SEE ROADWAY AND STRUCTURE PLANS.
- CONSTRUCT PROPOSED -L-, -Y1- AND -Y2- UP TO AND INCLUDING THE FINAL SURFACE COURSE.
- PLACE TEMPORARY PAVEMENT MARKINGS IN THE FINAL PATTERN AS SHOWN ON THE FINAL PAVEMENT MARKING PLANS.

STEP 5: REMOVE ALL BARRICADES AND DETOUR SIGNING AND OPEN SR 2000 (FALLS OF NEUSE ROAD) TO PROPOSED TWO LANE, TWO WAY TRAFFIC PATTERN.

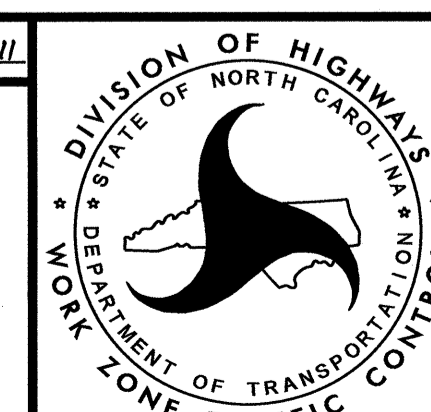
STEP 6: USING RSD 1101.02 SHEET 1 OF 9, PLACE FINAL PAVEMENT MARKING AS SHOWN ON THE FINAL PAVEMENT MARKING PLAN.

STEP 7: REMOVE ALL REMAINING TRAFFIC CONTROL DEVICES.

ICT

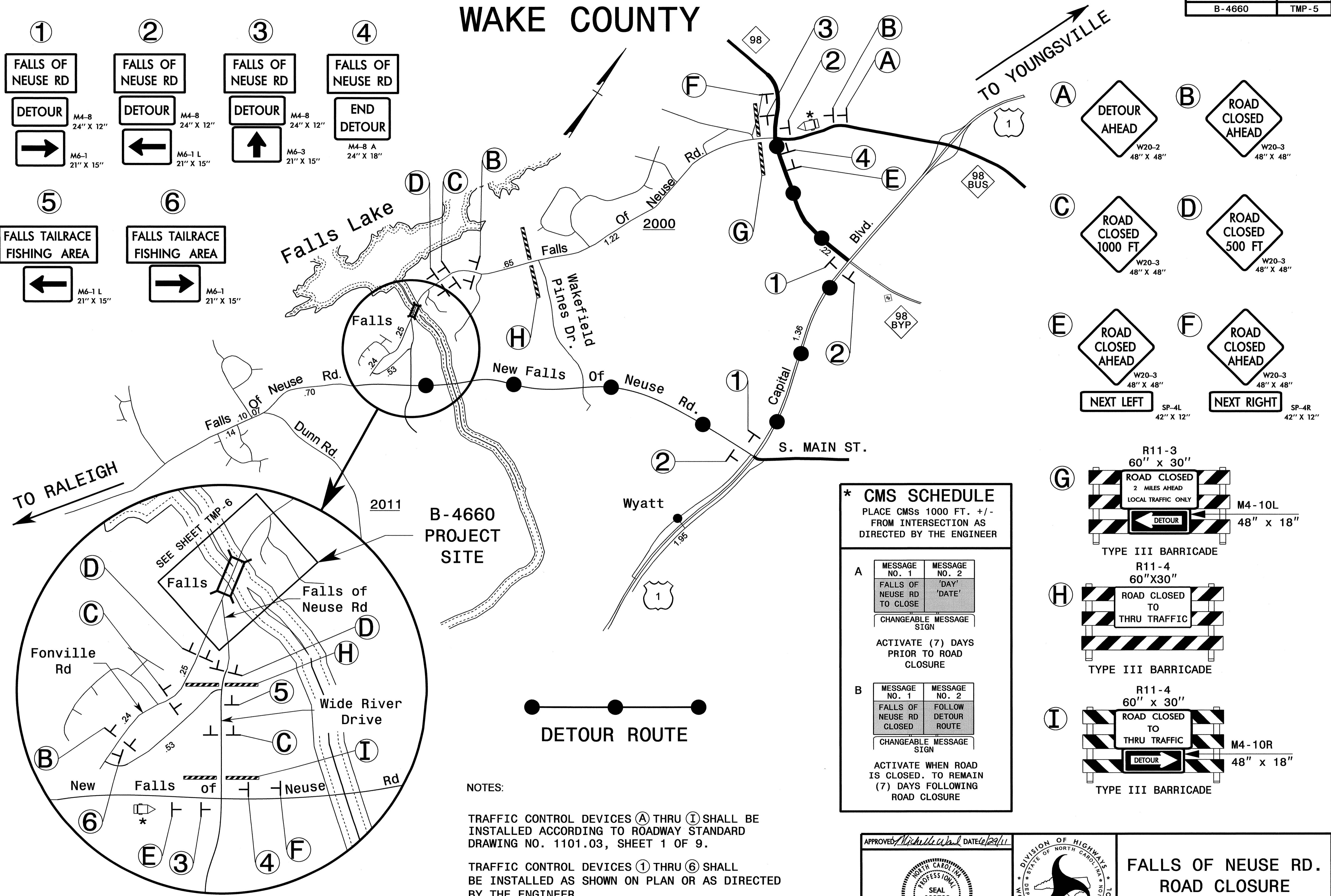
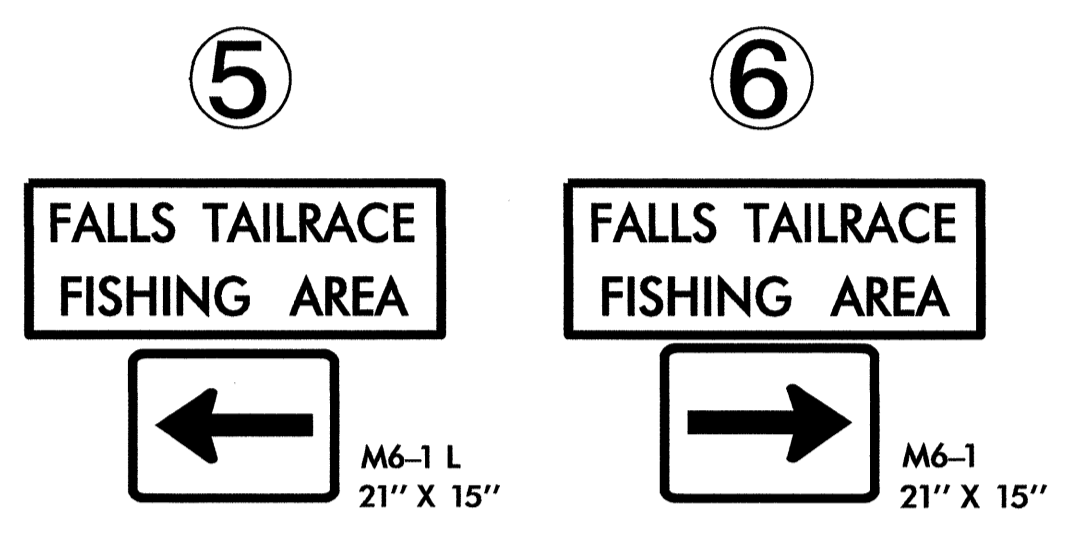
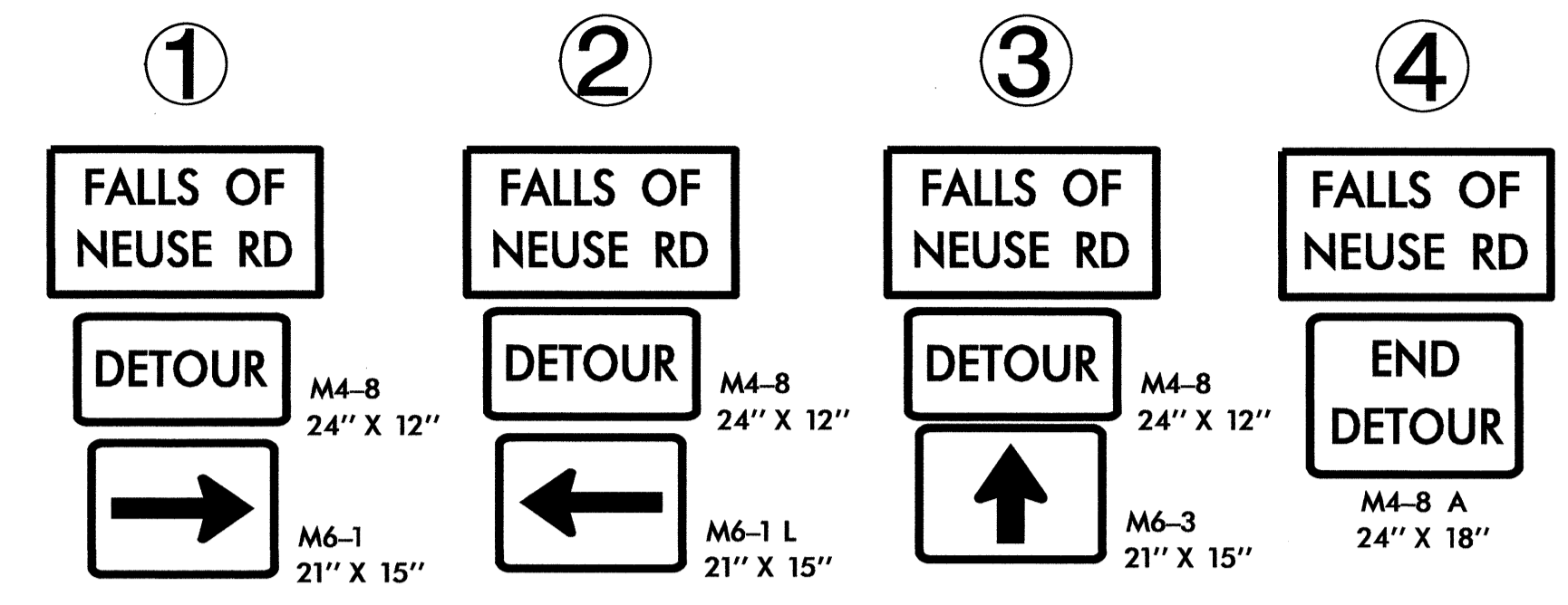
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APPROVED: *Michelle* DATE: 7/27/11



**GENERAL NOTES,
LOCAL NOTES
AND PHASING**

WAKE COUNTY



TO RALEIGH

TO YOUNGVILLE

B-4660 PROJECT SITE

DETOUR ROUTE

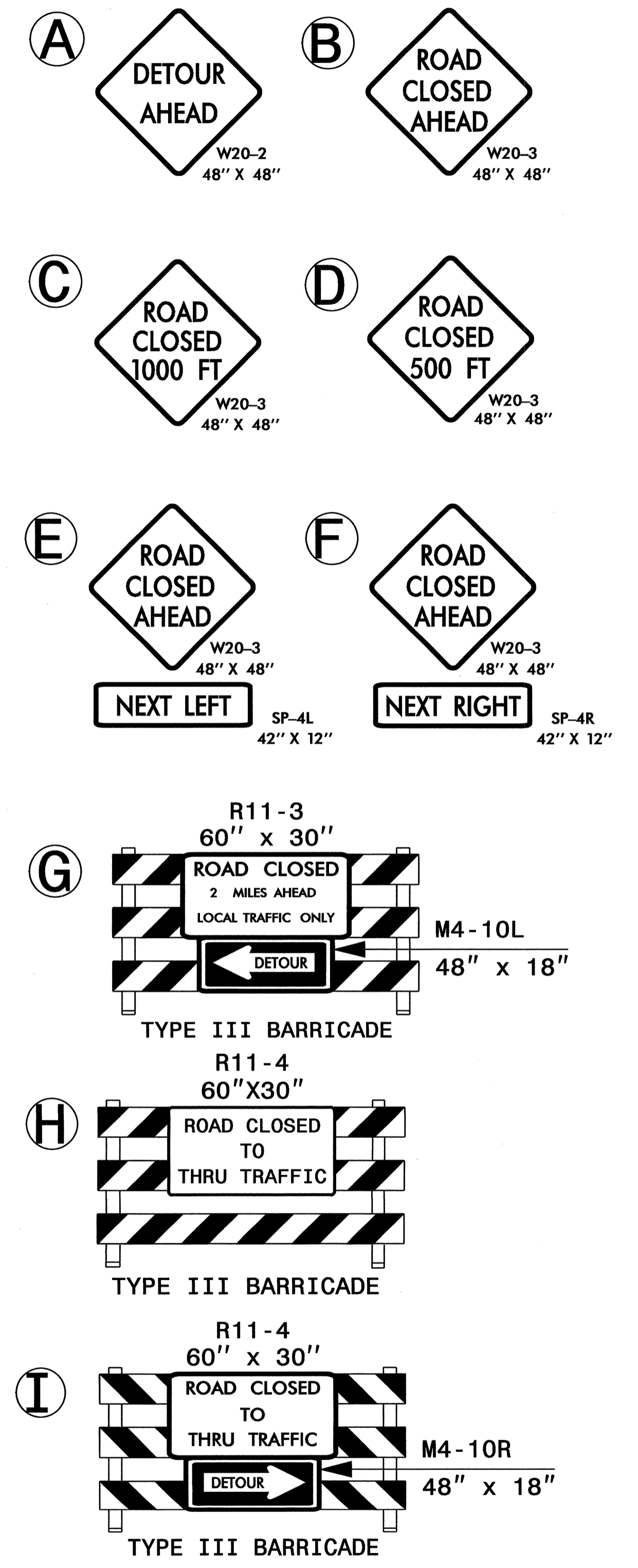
*** CMS SCHEDULE**
PLACE CMS 1000 FT. +/- FROM INTERSECTION AS DIRECTED BY THE ENGINEER

A	MESSAGE NO. 1 FALLS OF NEUSE RD TO CLOSE	MESSAGE NO. 2 'DAY' 'DATE'
----------	---	-------------------------------

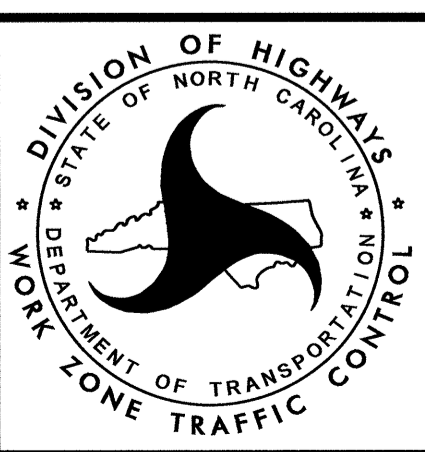
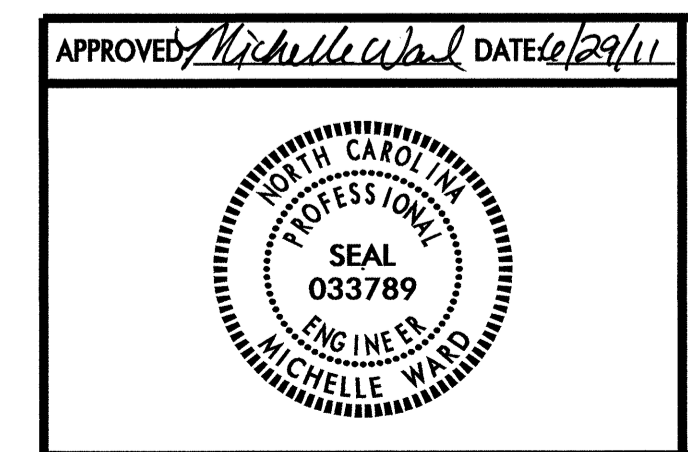
CHANGEABLE MESSAGE SIGN
ACTIVATE (7) DAYS PRIOR TO ROAD CLOSURE

B	MESSAGE NO. 1 FALLS OF NEUSE RD CLOSED	MESSAGE NO. 2 FOLLOW DETOUR ROUTE
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CHANGEABLE MESSAGE SIGN
ACTIVATE WHEN ROAD IS CLOSED. TO REMAIN (7) DAYS FOLLOWING ROAD CLOSURE



NOTES:
TRAFFIC CONTROL DEVICES (A) THRU (I) SHALL BE INSTALLED ACCORDING TO ROADWAY STANDARD DRAWING NO. 1101.03, SHEET 1 OF 9.
TRAFFIC CONTROL DEVICES (1) THRU (6) SHALL BE INSTALLED AS SHOWN ON PLAN OR AS DIRECTED BY THE ENGINEER.

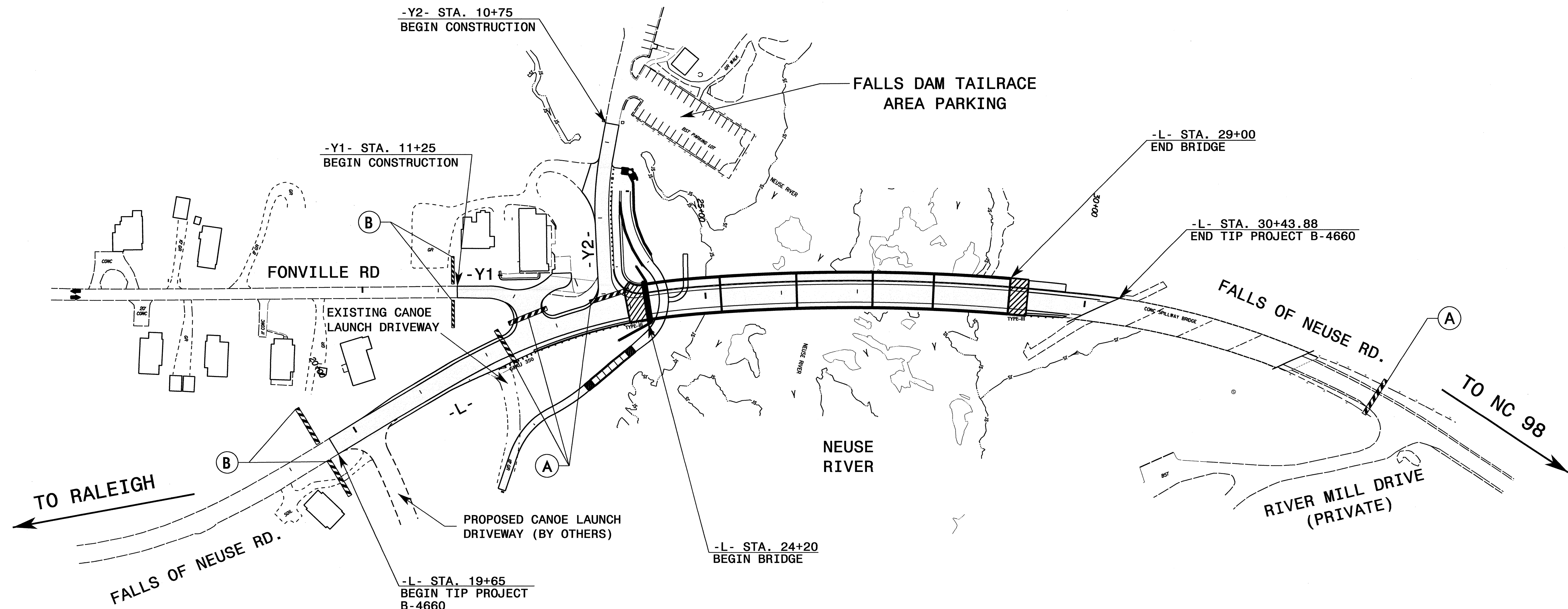
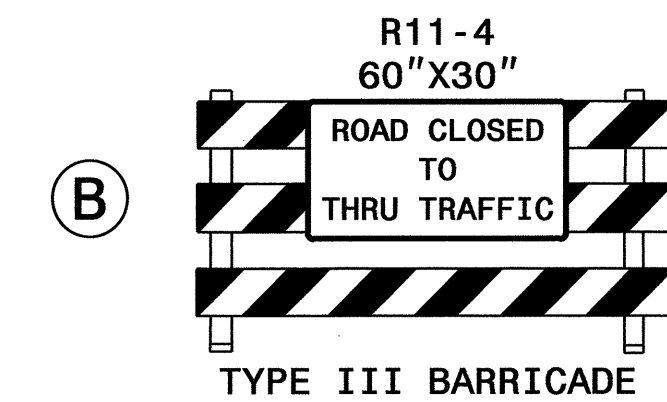
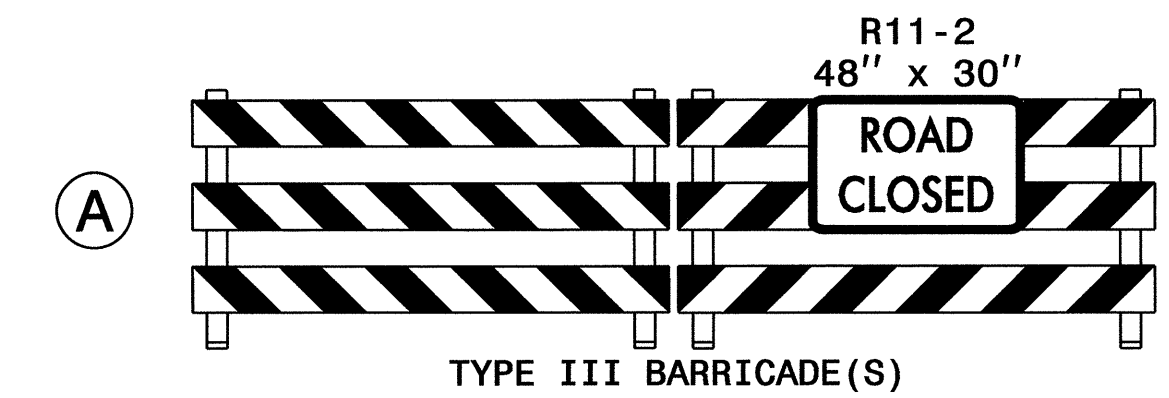


**FALLS OF NEUSE RD.
ROAD CLOSURE
AND DETOUR SIGNING**

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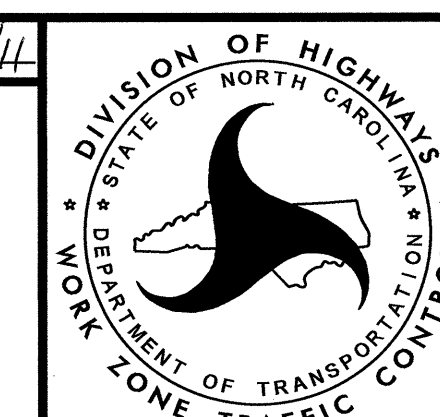
WAKE COUNTY

- NOTES:
1. MAINTAIN ACCESS TO PARKING LOT AT FALLS DAM TAILRACE AREA. COORDINATE WITH FALLS DAM OFFICIALS AND ENGINEER AS NECESSARY.
 2. MAINTAIN ACCESS TO EXISTING CANOE LAUNCH DRIVEWAY AT -L- STA. 22+00 +/- UNTIL COMPLETION OF NEW DRIVE AT -L- STA. 20+14 +/- . (WORK TO BE PERFORMED BY OTHERS)
 3. COORDINATE WITH FALLS DAM OFFICIALS CONCERNING CONSTRUCTION OF -Y1- AND -Y2-, AND THE CLOSURE OF FALLS OF NEUSE ROAD AS IT AFFECTS FALLS TAILRACE FISHING AREA. MAINTAIN ACCESS TO FISHING AREA AT ALL TIMES UNLESS DIRECTED BY THE ENGINEER.
 4. MAINTAIN ACCESS TO BUSINESSES AND DRIVEWAYS AT ALL TIMES UNLESS DIRECTED BY THE ENGINEER.



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APPROVED: *Michelle Ward* DATE: *6/23/11*



**FALLS OF NEUSE RD.
ROAD CLOSURE
SIGNING DETAIL**