

STATE OF NORTH CAROLINA
DIVISION OF HIGHWAYS

STATE PROJECT REFERENCE NO.	SHEET NO.
B-4409/B-4410	TCP-1

**PLAN FOR PROPOSED
TRAFFIC CONTROL, MARKING & DELINEATION
ANSON COUNTY**

TIP PROJECT: B-4409/B-4410

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:

STD. NO.	TITLE
1101.02	TEMPORARY LANE CLOSURES
1101.03	TEMPORARY ROAD CLOSURES
1101.04	TEMPORARY SHOULDER CLOSURES
1101.05	WORK ZONE VEHICLE ACCESS
1101.11	TRAFFIC CONTROL DESIGN TABLES
1110.01	STATIONARY WORK ZONE SIGNS
1110.02	PORTABLE WORK ZONE SIGNS
1130.01	DRUM
1145.01	BARRICADES
1205.01	PAVEMENT MARKINGS - LINE TYPES & OFFSETS
1205.02	PAVEMENT MARKINGS - 2 LANE & MULTILANE ROADWAYS
1205.12	PAVEMENT MARKINGS - BRIDGES
1250.01	PAVEMENT MARKER SPACING
1251.01	RAISED PAVEMENT MARKERS (TEMPORARY & PERMANENT)
1261.01	GUARDRAIL & BARRIER DELINEATOR SPACING
1261.02	GUARDRAIL & BARRIER DELINEATOR TYPES
1262.01	GUARDRAIL END DELINEATION

INDEX OF SHEETS

SHEET NO.	TITLE
TCP-1	LIST OF APPLICABLE ROADWAY STANDARD DRAWINGS, LEGEND AND INDEX OF SHEETS
TCP-2	GENERAL NOTES
TCP-3	PHASING
TCP-4	B-4409 DETAIL
TCP-5	B-4409 OFFSITE DETOUR SIGNING AND ROAD CLOSURE SIGNING
TCP-6	B-4410 DETAIL
TCP-7	B-4410 OFFSITE DETOUR SIGNING AND ROAD CLOSURE SIGNING
SD-1	DETOUR SIGN DESIGN

LEGEND

- GENERAL**
- DIRECTION OF TRAFFIC FLOW
 - NORTH ARROW
 - PROPOSED PVMT. EXIST. PVMT.
 - WORK AREA
 - REMOVAL OF EXISTING PAVEMENT
- TRAFFIC CONTROL DEVICES**
- TYPE I BARRICADE
 - TYPE II BARRICADE
 - TYPE III BARRICADE
 - CONE
 - DRUM SKINNY DRUM
 - FLASHING ARROW PANEL (TYPE C)
 - STATIONARY SIGN
 - PORTABLE SIGN
 - STATIONARY OR PORTABLE SIGN
 - WARNING FLAGS
 - CRASH CUSHION
 - CHANGEABLE MESSAGE SIGN
 - TRUCK MOUNTED IMPACT ATTENUATOR (TMIA)
 - POLICE
 - FLAGGER
- PAVEMENT MARKINGS**
- CRYSTAL/CRYSTAL PAVEMENT MARKER
 - YELLOW/YELLOW PAVEMENT MARKER
 - CRYSTAL/RED PAVEMENT MARKER
 - PAVEMENT MARKING SYMBOLS

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APPROVED: _____ DATE: _____	PLAN PREPARED BY: N.C.D.O.T. WORK ZONE TRAFFIC CONTROL UNIT
	J. STUART BOURNE, P.E. TRAFFIC CONTROL ENGINEER
	JOSEPH ISHAK, P.E. TRAFFIC CONTROL PROJECT ENGINEER
	J. L. PORTANOVA, P.E. TRAFFIC CONTROL PROJECT DESIGN ENGINEER
	SPENCER JENNINGS TRAFFIC CONTROL DESIGN ENGINEER

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 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.

LANE AND SHOULDER CLOSURE REQUIREMENTS

- A) 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.
- B) 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.
- C) 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.

WHEN PERSONNEL AND/OR EQUIPMENT ARE WORKING ON THE SHOULDER ADJACENT TO A DIVIDED FACILITY AND WITHIN 10 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.

- D) 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.
- E) 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

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

SIGNING

- G) STATE FORCES WILL BE RESPONSIBLE FOR PERMANENT SIGNING.
- H) PROVIDE DETOUR SIGNING WITHIN AND OFF THE PROJECT LIMITS.
- I) COVER OR REMOVE ALL DETOUR SIGNS WITHIN AND OFF THE PROJECT LIMITS WHEN A DETOUR IS NOT IN OPERATION.
- J) ENSURE ALL NECESSARY SIGNING IS IN PLACE PRIOR TO ALTERING ANY TRAFFIC PATTERN.

TRAFFIC CONTROL DEVICES

- K) SPACE CHANNELIZING DEVICES IN WORK AREAS NO GREATER THAN TWICE THE POSTED SPEED LIMIT (MPH), EXCEPT 10 FT ON-CENTER IN RADII, AND 3 FT OFF THE EDGE OF AN OPEN TRAVELWAY, WHEN LANE CLOSURES ARE NOT IN EFFECT. WHEN SKINNY DRUMS ARE ALLOWED, REFER TO SECTION 1180 OF STANDARD SPECIFICATIONS FOR ROADS AND STRUCTURES OR AS SHOWN IN THE PLANS.
- L) PLACE TYPE III BARRICADES, WITH "ROAD CLOSED" SIGN R11-2 ATTACHED, OF SUFFICIENT LENGTH TO CLOSE ENTIRE ROADWAY.
- M) PLACE ADDITIONAL SETS OF THREE CHANNELIZING DEVICES DRUMS PERPENDICULAR TO THE EDGE OF TRAVELWAY ON 100 FT CENTERS WHEN UNOPENED LANES ARE CLOSED TO TRAFFIC.





PAVEMENT MARKINGS AND MARKERS

- N) INSTALL PAVEMENT MARKINGS AND PAVEMENT MARKERS ON THE FINAL SURFACE AS FOLLOWS:

ROAD NAME	MARKING	MARKER
SR 1627 PINKSTON RIVER RD.	PAINT	PERMANENT RAISED

- O) PLACE TWO APPLICATIONS OF PAINT PAVEMENT MARKINGS ON THE FINAL WEARING SURFACE. PLACE THE SECOND APPLICATION OF PAINT UPON SUFFICIENT DRYING TIME OF THE FIRST.
- P) TIE PROPOSED PAVEMENT MARKING LINES TO EXISTING PAVEMENT MARKING LINES.

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 sbjennings AT WZTC24473J

APPROVED: _____ DATE: _____ 	<h3 style="margin: 0;">GENERAL NOTES</h3>	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td>SCALE: NONE</td> <td rowspan="4" style="text-align: center;">  </td> <td>REVISIONS</td> </tr> <tr> <td>DATE: 10/2008</td> <td></td> </tr> <tr> <td>DWG. BY: SJ</td> <td></td> </tr> <tr> <td>DESIGN BY: SJ</td> <td></td> </tr> <tr> <td>REVIEWED BY: JLP</td> <td></td> <td></td> </tr> </table>	SCALE: NONE		REVISIONS	DATE: 10/2008		DWG. BY: SJ		DESIGN BY: SJ		REVIEWED BY: JLP		
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DESIGN BY: SJ														
REVIEWED BY: JLP														

PHASING

NOTES:

1. PROJECTS B-4409 AND B-4410 ARE COMBINED. CONTRACTOR MAY PURSUE WORK ON BOTH PROJECTS SIMULTANEOUSLY OR INDEPENDENTLY AS LONG AS ONE BRIDGE REMAINS OPEN TO TRAFFIC AT ALL TIMES AS DIRECTED BY THE ENGINEER. (REFER TO ROADWAY STANDARD DRAWING 1101.02, SHEET 1 OF 9 AS NEEDED)
2. DO NOT CLOSE BRIDGE NO. 307 AND BRIDGE NO. 308 SIMULTANEOUSLY.
3. MAINTAIN ACCESS TO DRIVEWAYS AT ALL TIMES UNLESS OTHERWISE DIRECTED BY THE ENGINEER.

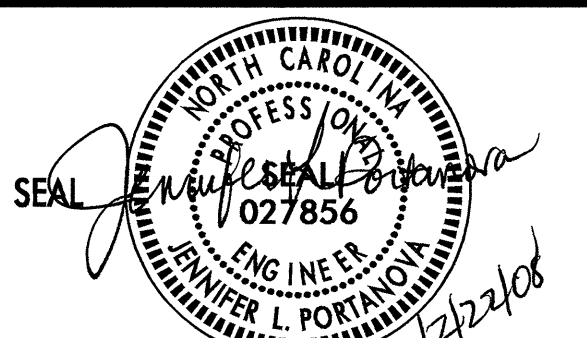

B-4409

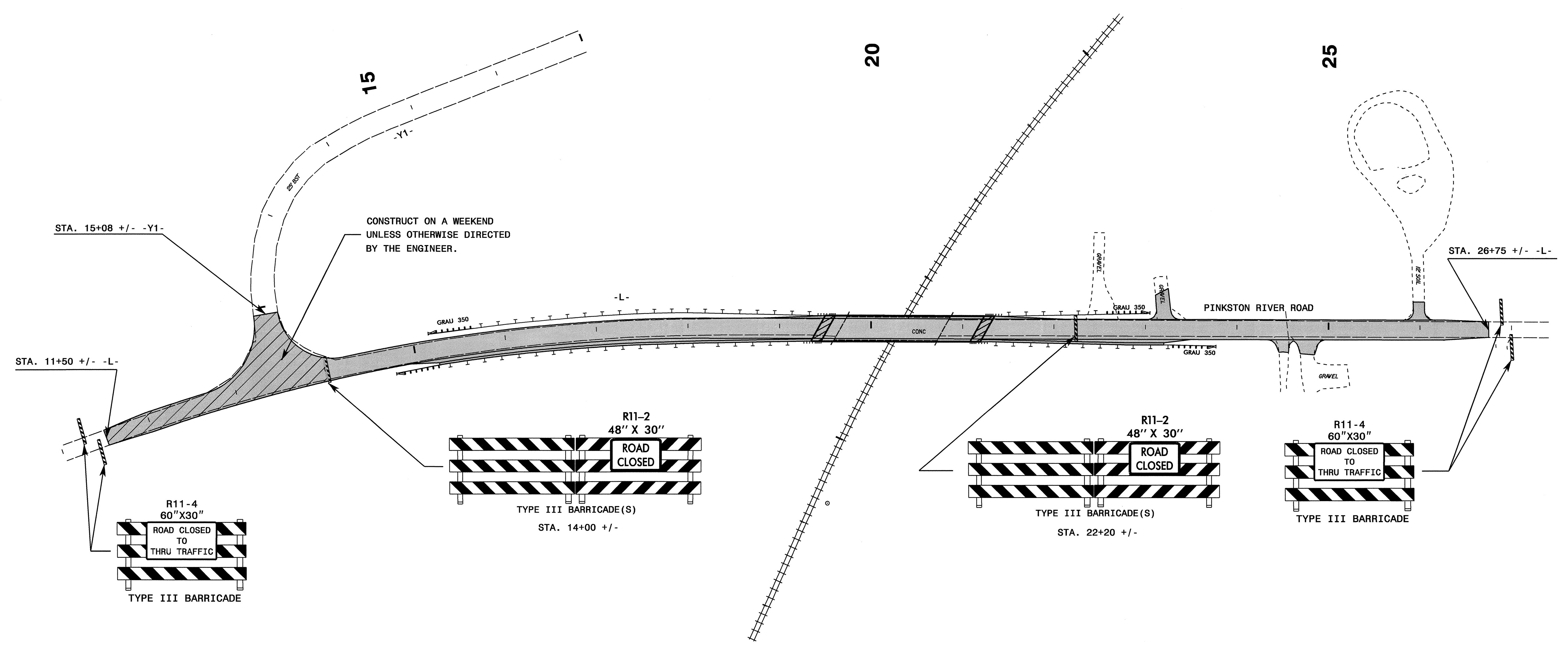
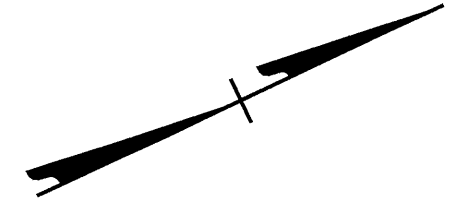
- STEP 1) INSTALL OFFSITE DETOUR SIGNS AS SHOWN ON TCP-5.
- STEP 2) USING ROADWAY STANDARD DRAWING NO. 1101.03 SHEET 1 OF 9, AND TCP-4 AND TCP-5, CLOSE PINKSTON RIVER ROAD (SR-1627) -L- AT STA. 14+00 +/- AND STA. 22+20 +/- -L-. MAINTAIN ACCESS TO BUSINESS ON -Y1- AT ALL TIMES UNLESS OTHERWISE DIRECTED BY THE ENGINEER. SEE SHEET TCP-4 AND TCP-5 FOR ALL SIGN AND BARRICADE LOCATIONS.
- STEP 3) CONSTRUCT THE PROPOSED BRIDGE AND ROADWAY APPROACHES INCLUDING GUARDRAIL UP THROUGH THE FINAL LAYER OF SURFACE COURSE AS SHOWN ON SHEET TCP-4. PROPOSED -L- CONSTRUCTION FROM STA. 11+50 +/- TO STA. 14+00 +/-, INCLUDING -Y1-, SHOULD BE COMPLETED ON A WEEKEND, OR AS DIRECTED BY THE ENGINEER. PLACE FINAL PAINT PAVEMENT (REFER TO ROADWAY STANDARD DRAWING 1101.02 SHEET 1 OF 9 AS NEEDED) PLACE FINAL PAINT PAVMENT MARKINGS AND RAISED MARKERS ON -L-.
- STEP 4 REMOVE WORK ZONE TRAFFIC CONTROL DEVICES AND OPEN -L- TO 2-LANE, 2 WAY TRAFFIC.

B-4410

- STEP 1) INSTALL OFFSITE DETOUR SIGNS AS SHOWN ON SHEET TCP-7.
- STEP 2) USING ROADWAY STANDARD DRAWING NO. 1101.03 SHEET 2 OF 9, AND TCP-6 AND TCP-7, CLOSE PINKSTON RIVER ROAD (SR 1627) -L- AT STA. 18+75 +/- . USING ROADWAY STANDARD DRAWING 1101.03, SHEET 1 OF 9, AND TCP-6 AND TCP-7, CLOSE -L- AT STA. 13+10 +/- . SEE SHEET TCP-6 AND TCP-7 FOR SIGN AND BARRICADE LOCATIONS.
- STEP 3) AWAY FROM TRAFFIC, CONSTRUCT THE PROPOSED BRIDGE AND ROADWAY APPROACHES INCLUDING GUARDRAIL UP THROUGH THE FINAL LAYER OF SURFACE COURSE AS MUCH AS POSSIBLE AS SHOWN ON SHEET TCP-6. USING ROADWAY STANDARD DRAWING 1101.02, SHEET 1 OF 9, COMPLETE PROPOSED PAVING ADJACENT TO US 52 UP THROUGH THE FINAL LAYER OF SURFACE COURSE.
- USING ROADWAY STANDARD DRAWING 1101.02, SHEET 1 OF 9, AS NECESSARY, PLACE FINAL PAINT PAVEMENT MARKINGS AND RAISED MARKERS ON -L-.
- STEP 4) REMOVE WORK ZONE TRAFFIC CONTROL DEVICES AND OPEN -L- TO 2-LANE, 2 WAY TRAFFIC.

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 sbjennings AT WZTC24473

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STA. 15+08 +/- -Y1-

15

20

25

-Y1-

CONSTRUCT ON A WEEKEND
UNLESS OTHERWISE DIRECTED
BY THE ENGINEER.

-L-

STA. 26+75 +/- -L-

PINKSTON RIVER ROAD

STA. 11+50 +/- -L-

GRAU 350

CONC

GRAU 350

GRAU 350

GRAVEL

R11-2
48" X 30"

ROAD
CLOSED

TYPE III BARRICADE(S)
STA. 14+00 +/-

R11-2
48" X 30"

ROAD
CLOSED

TYPE III BARRICADE(S)
STA. 22+20 +/-

R11-4
60" X 30"

ROAD CLOSED
TO
THRU TRAFFIC

TYPE III BARRICADE

R11-4
60" X 30"

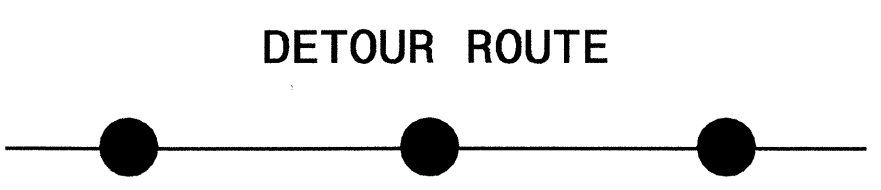
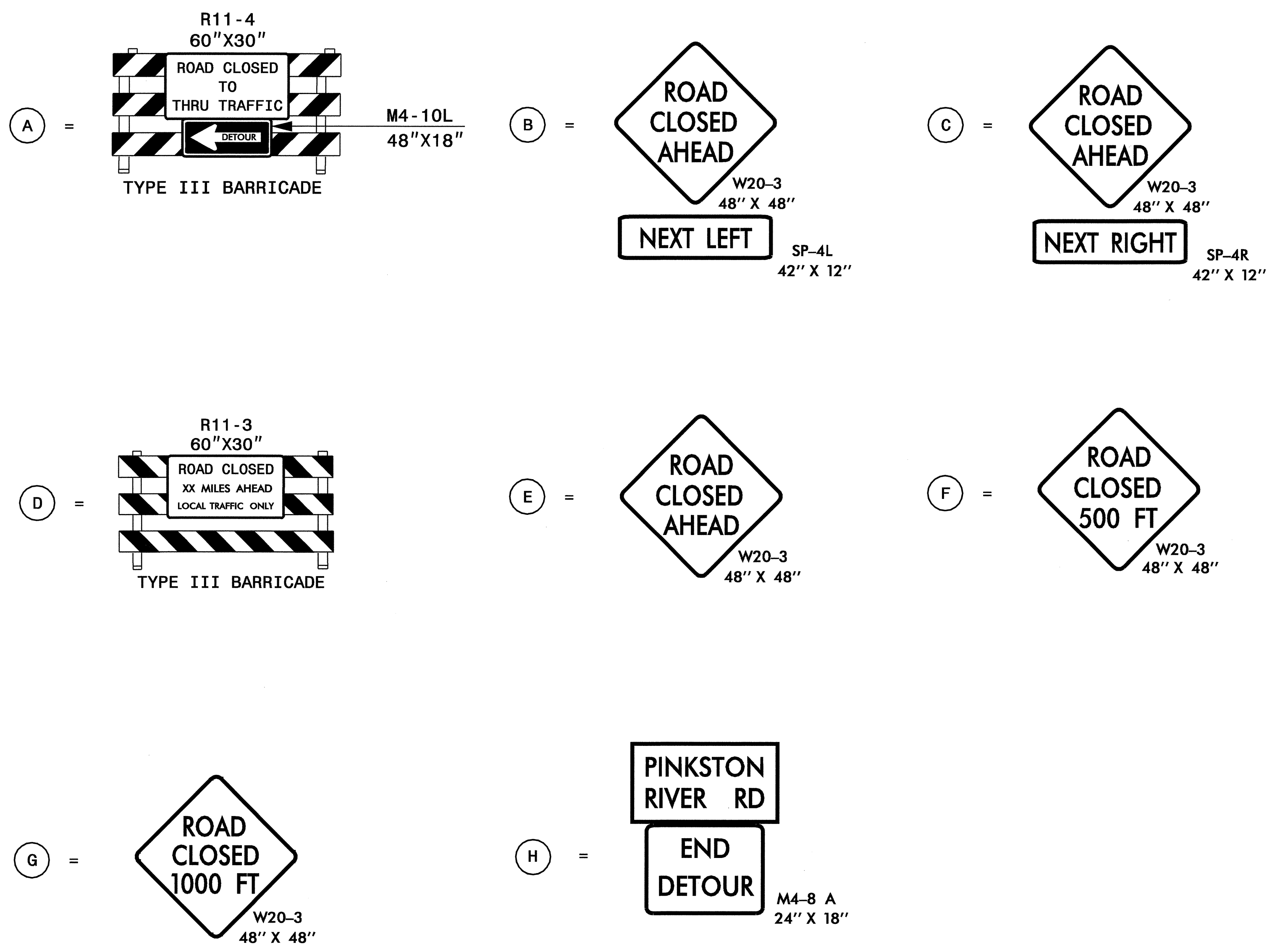
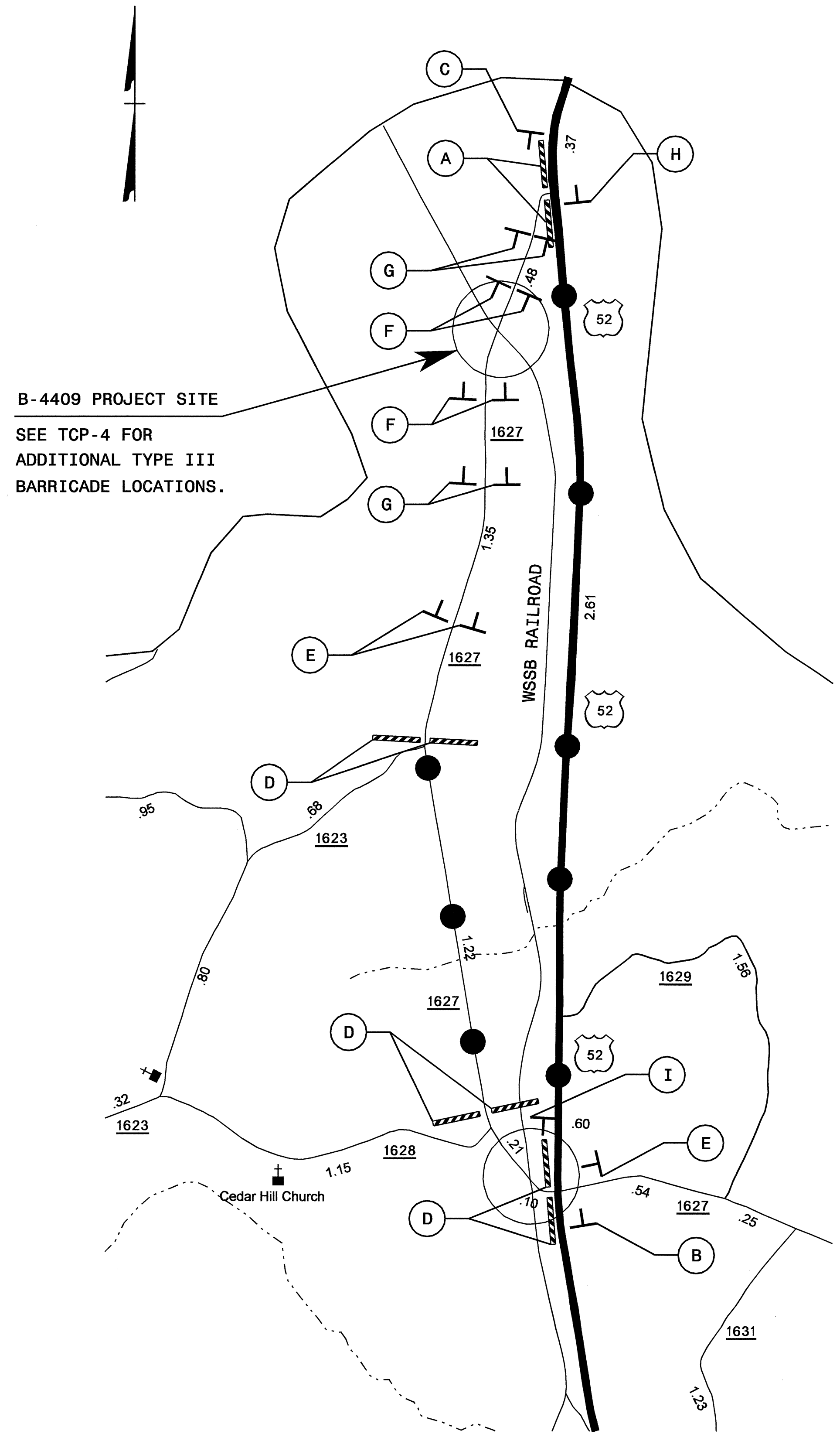
ROAD CLOSED
TO
THRU TRAFFIC

TYPE III BARRICADE

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 sbjennings AT WZTC2473

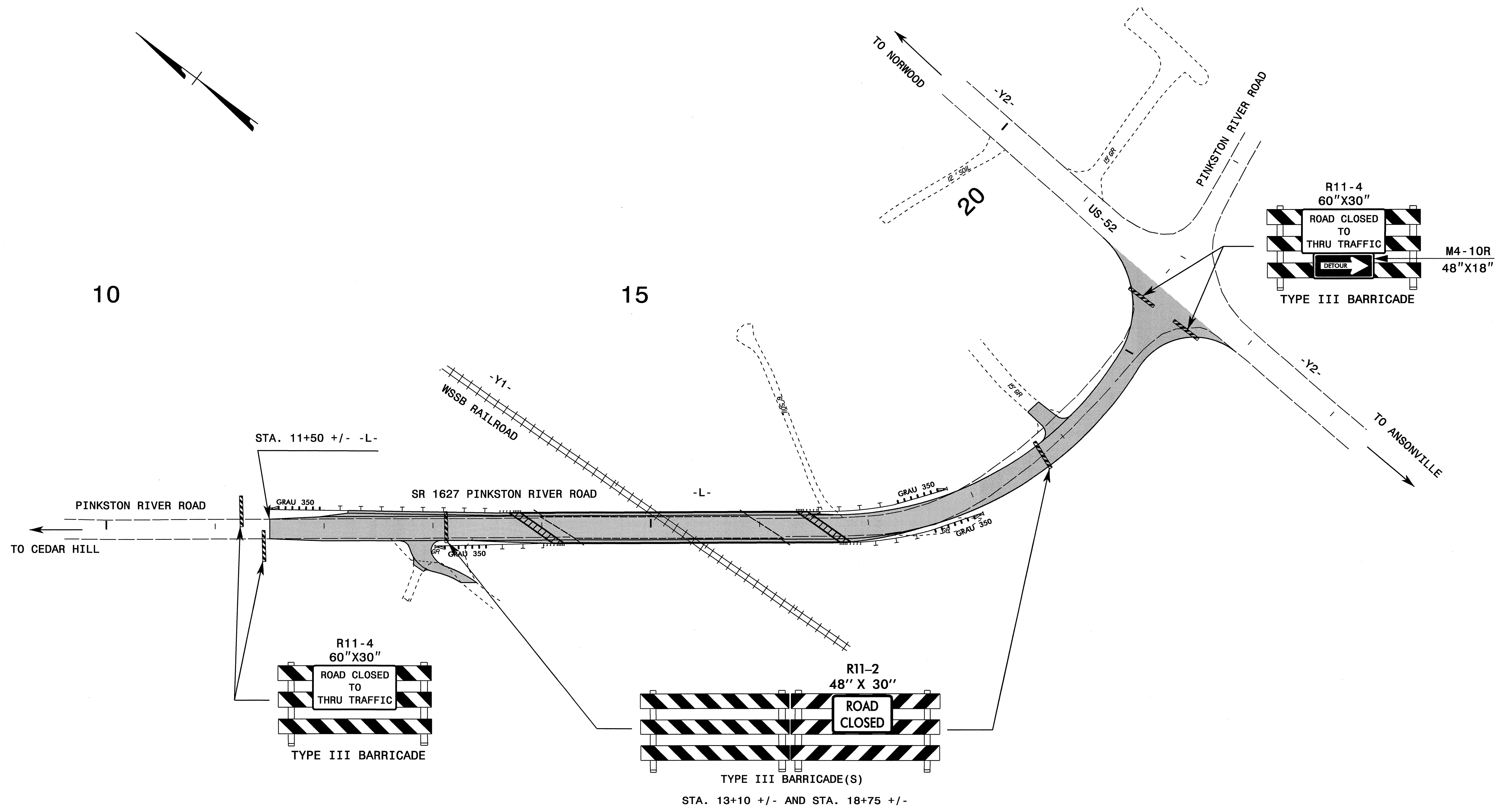
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	REVIEWED BY: JLP			

REFER TO ROADWAY STANDARD DRAWINGS, 1101.03,
SHEET 1 OF 9 FOR SIGN PLACEMENT AND GENERAL NOTES.
SEE SHEET SD-1 FOR SPECIAL SIGN DESIGN



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msteelman AT WZTC237453

APPROVED: _____ DATE: _____	B-4409 OFFSITE DETOUR SIGNING AND ROAD CLOSURE SIGNING	
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 sbjennings AT WZTC24473

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