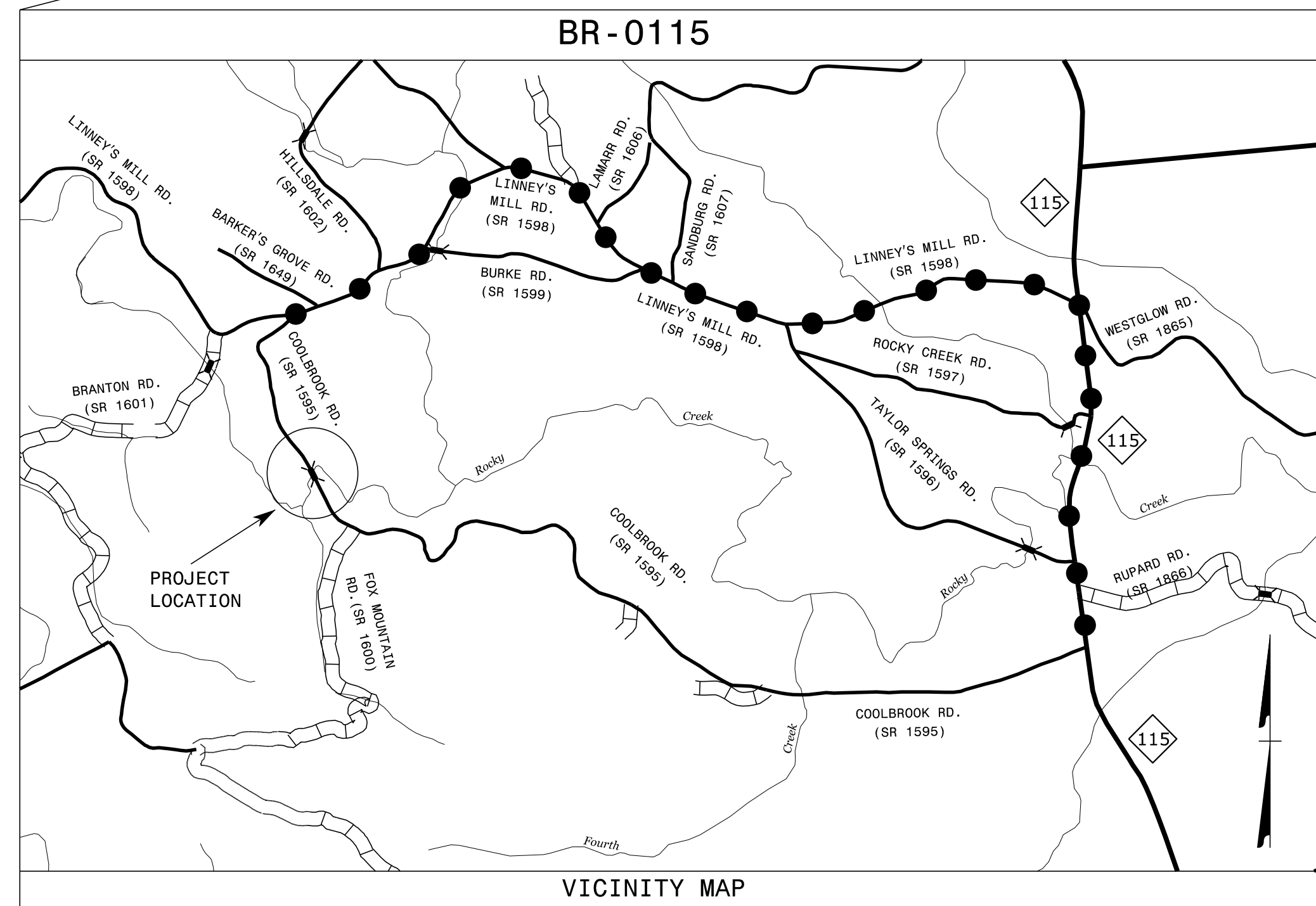
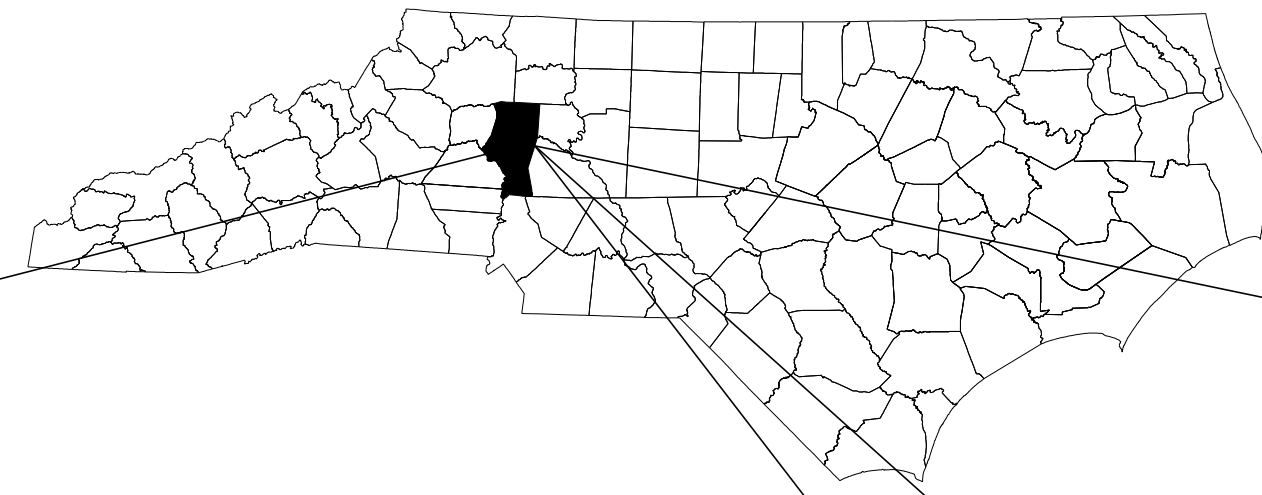


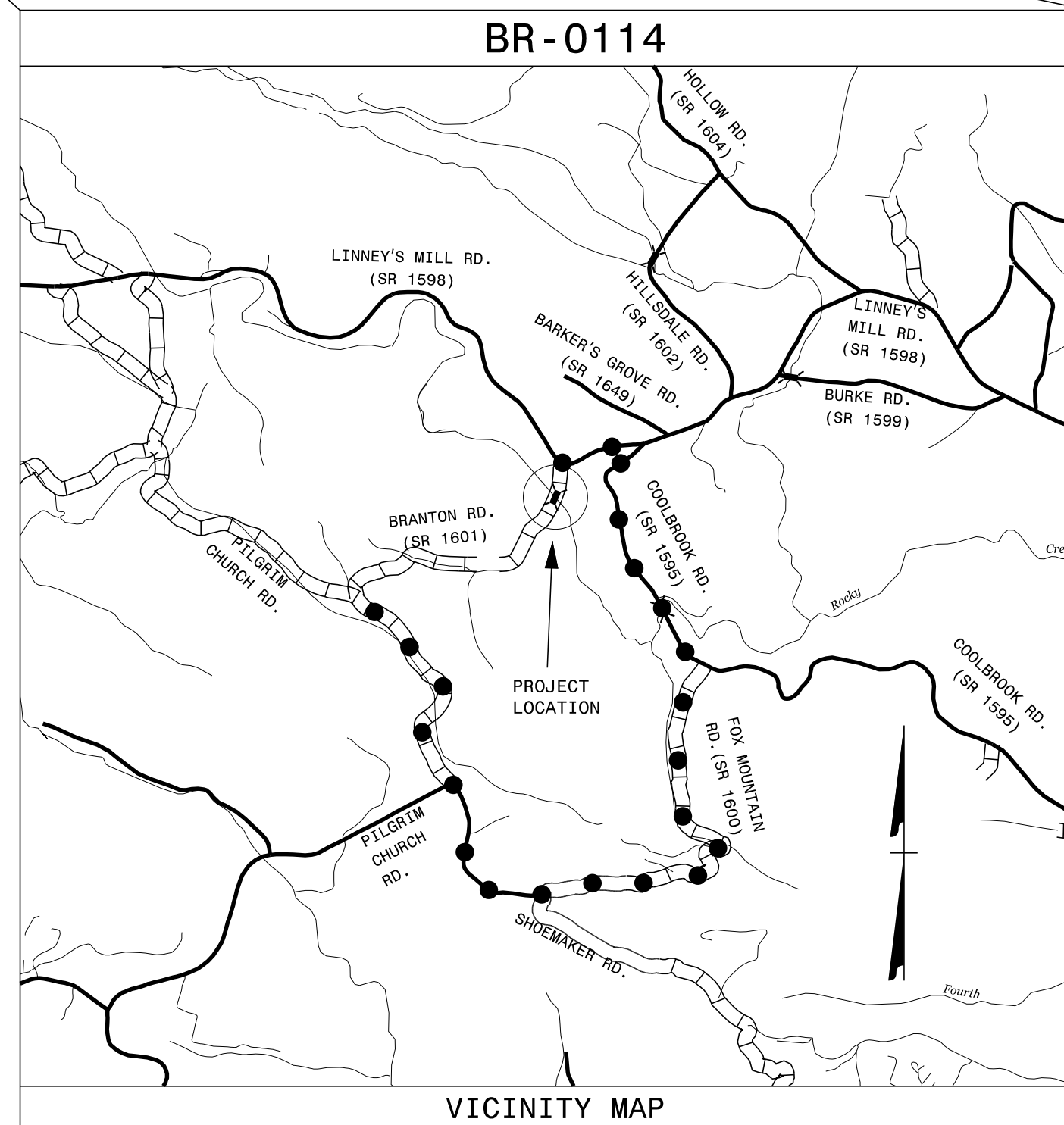
STATE OF NORTH CAROLINA
DIVISION OF HIGHWAYS

TRANSPORTATION MANAGEMENT PLAN

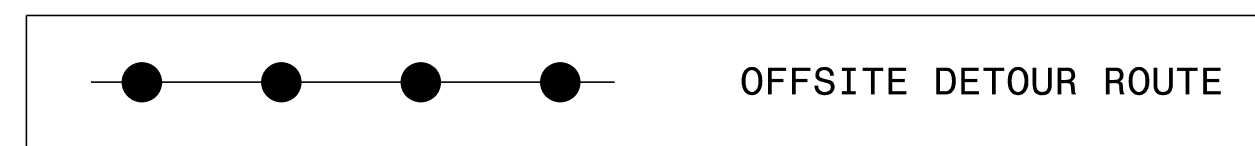
IREDELL COUNTY



LOCATION: BRIDGE 166 OVER ROCKY CREEK ON SR 1595



LOCATION: BRIDGE 165 OVER ROCKY CREEK ON SR 1601



INDEX OF SHEETS

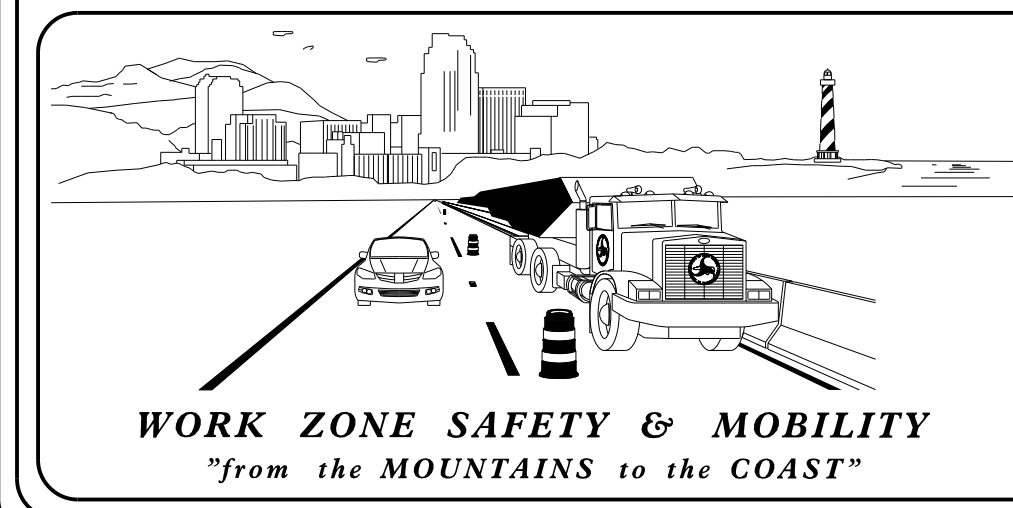
SHEET NO.	TITLE
TMP-1	TITLE SHEET, VICINITY MAP, AND INDEX OF SHEETS
TMP-1A	LIST OF APPLICABLE ROADWAY STANDARD DRAWINGS, AND LEGEND
TMP-1B	TRANSPORTATION OPERATIONS PLAN: (MANAGEMENT STRATEGIES, GENERAL NOTES)
TMP-2	SPECIAL SIGN DESIGNS
TMP-3	BR-0115 PHASING
TMP-4	BR-0115 OFFSITE DETOUR AND ROAD CLOSURE
TMP-5	BR-0114 PHASING
TMP-6	BR-0114 OFFSITE DETOUR AND ROAD CLOSURE

SHEET NO.
TMP-1

BR-0115/BR-0114

TIP PROJECT:

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UNLESS ALL SIGNATURES COMPLETED



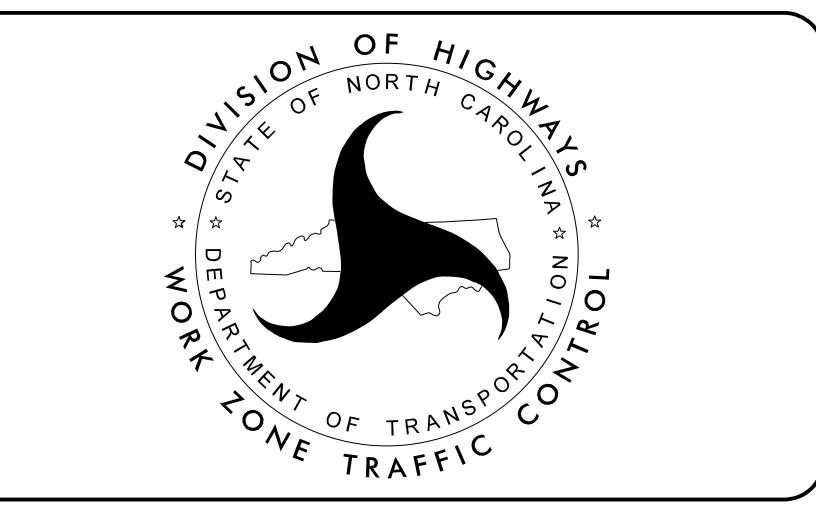
PLANS PREPARED BY:

M. A. AKLILU

NCDOT CONTACTS:

DON PARKER, P.E.
PROJECT ENGINEER

KARMEN DAIS, P.E.
PROJECT DESIGN ENGINEER



APPROVED: _____
DATE: 11/9/2020

SEAL

DocuSigned by:
Don A. Parker
20482862619410

11/5/2020
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ROADWAY STANDARD DRAWINGS

THE FOLLOWING ROADWAY STANDARDS AS SHOWN IN "ROADWAY STANDARD DRAWINGS" - N.C. DEPARTMENT OF TRANSPORTATION - RALEIGH, N.C., DATED JANUARY 2018 ARE APPLICABLE TO THIS PROJECT AND BY REFERENCE HEREBY ARE CONSIDERED A PART OF THESE PLANS:

STD. NO.	TITLE
1101.01	WORK ZONE WARNING SIGNS
1101.02	TEMPORARY LANE CLOSURES
1101.03	TEMPORARY ROAD CLOSURES
1101.04	TEMPORARY SHOULDER CLOSURES
1101.05	WORK ZONE VEHICLE ACCESSES
1101.06	WARNING SIGNS FOR BLASTING ZONES
1101.11	TRAFFIC CONTROL DESIGN TABLES
1110.01	STATIONARY WORK ZONE SIGNS
1110.02	PORTABLE WORK ZONE SIGNS
1115.01	FLASHING ARROW BOARDS
1130.01	DRUMS
1135.01	CONES
1145.01	BARRICADES
1150.01	FLAGGING DEVICES
1160.01	TEMPORARY CRASH CUSHION
1165.01	TRUCK MOUNTED ATTENUATOR
1170.01	PORTABLE CONCRETE BARRIER
1180.01	SKINNY - DRUMS
1205.01	PAVEMENT MARKINGS - LINE TYPES AND OFFSETS
1205.02	PAVEMENT MARKINGS - TWO LANE AND MULTILANE ROADWAYS
1205.03	PAVEMENT MARKINGS - EXITS AND ENTRANCE RAMP
1205.04	PAVEMENT MARKINGS - INTERSECTIONS
1205.05	PAVEMENT MARKINGS - TURN LANES
1205.06	PAVEMENT MARKINGS - LANE DROPS
1205.07	PAVEMENT MARKINGS - PEDESTRIAN CROSSWALKS
1205.08	PAVEMENT MARKINGS - SYMBOLS AND WORD MESSAGES
1205.09	PAVEMENT MARKINGS - PAINTED ISLANDS
1205.10	PAVEMENT MARKINGS - SCHOOL AREAS
1205.11	PAVEMENT MARKINGS - RAILROAD CROSSINGS
1205.12	PAVEMENT MARKINGS - BRIDGES
1205.13	PAVEMENT MARKINGS - LANE REDUCTIONS
1205.14	PAVEMENT MARKINGS - ROUNDABOUTS
1205.15	PAVEMENT MARKINGS - SUPERSTREETS
1250.01	RAISED PAVEMENT MARKERS - INSTALLATION SPACING
1251.01	RAISED PAVEMENT MARKERS - (PERMANENT AND TEMPORARY)
1261.01	GUARDRAIL AND BARRIER DELINEATORS - INSTALLATION SPACING
1261.02	GUARDRAIL AND BARRIER DELINEATORS - TYPES AND MOUNTING
1262.01	GUARDRAIL END DELINEATION
1264.01	OBJECT MARKERS - TYPES
1264.02	OBJECT MARKERS - INSTALLATION

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

SIGNALS

- EXISTING
- PROPOSED
- TEMPORARY

PAVEMENT MARKINGS

- EXISTING LINES
- TEMPORARY LINES

TRAFFIC CONTROL DEVICES

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

TEMPORARY SIGNING

- PORTABLE SIGN
- STATIONARY SIGN
- STATIONARY OR PORTABLE SIGN

PAVEMENT MARKERS

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

PAVEMENT MARKING SYMBOLS

- PAVEMENT MARKING SYMBOLS

APPROVED: DATE: 11/9/2020			<h2>ROADWAY STANDARD DRAWINGS & LEGEND</h2>
DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED			

BR-0115 IS TO BE COMPLETE BEFORE
CLOSING SR 1601 BRANTON RD. FOR
BR-0114 CONSTRUCTION

***MANAGEMENT
STRATEGIES***

TRAFFIC WILL BE DETOURED OFF-SITE DURING THE CONSTRUCTION PERIOD.

THE BR-0115 OFF-SITE DETOUR WILL INCLUDE LINNEY'S MILL RD. (SR 1598),
NC 115.

THE BR-0114 OFF-SITE DETOUR WILL INCLUDE LINNEYS MILL ROAD (SR 1598),
COOLBROOK ROAD (SR 1595), AND FOX MOUNTAIN ROAD (SR 1600).

***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 UNDESIRE
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.

SIGNING

- B) 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.

- C) 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.

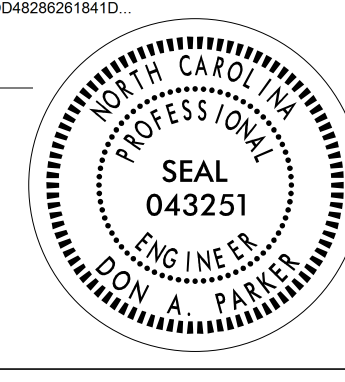
- D) ENSURE ALL NECESSARY SIGNING IS IN PLACE PRIOR TO ALTERING ANY
TRAFFIC PATTERN.

TRAFFIC CONTROL DEVICES

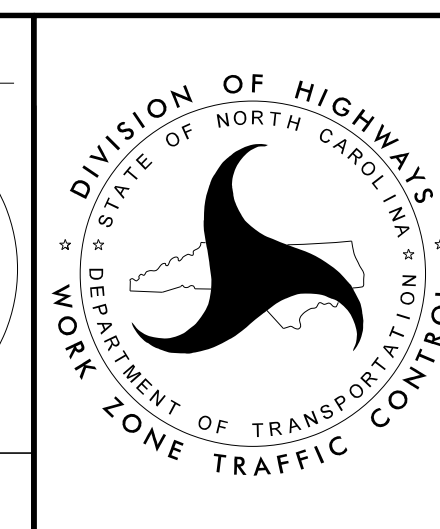
- E) PLACE TYPE III BARRICADES, WITH "ROAD CLOSED" SIGN R11-2
ATTACHED, OF SUFFICIENT LENGTH TO CLOSE ENTIRE ROADWAY.

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APPROVED: Don A. Parker
DATE: 11/9/2020



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



TRANSPORTATION
OPERATIONS
PLAN

<p>SIGN NUMBER: SP19066 TYPE: D QUANTITY: 1 SIGN WIDTH: 3'-6" HEIGHT: 2'-6" TOTAL AREA: 8.8 Sq.Ft. BORDER TYPE: FLUSH RECESS: 0.47" WIDTH: 0.63" RADIUS: 1.5" NO. Z BARS: LENGTH:</p>	<p>BACKG COLOR: Flourescent Orange COPY COLOR: Black DESIGN BY: jgm PROJECT ID: BR-0114 CHECKED BY: KLJ LOCATION: Mar 25, 2019 DIV: 12</p>	<p>BORDER R=1.5" TH=0.63" IN=0.47"</p>																																																																		
<p>USE NOTES: 1,2</p> <ol style="list-style-type: none"> Legend and border shall be direct applied black non-reflective sheeting. Background shall be Grade B reflective sheeting. Shields; A, B, and C type arrows shall be on 0.032" (0.8mm) aluminum with Grade C reflective sheeting and demountable. Bottom panel shall be yellow Grade C sheeting. Legend shall be direct applied black non-reflective sheeting. Arrow shall be on 0.032" aluminum, black non-reflective sheeting an demountable. Yellow panel is: 																																																																				
<p>LETTER POSITIONS</p> <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th colspan="10">Letter spacings are to start of next letter</th> <th>Series/Size</th> </tr> <tr> <th colspan="10"></th> <th>Text Length</th> </tr> </thead> <tbody> <tr> <td>B</td><td>R</td><td>A</td><td>N</td><td>T</td><td>O</td><td>N</td><td></td><td></td><td></td> <td>C 2000</td> </tr> <tr> <td>6.5</td><td>4.4</td><td>3.9</td><td>4.7</td><td>4.2</td><td>3.8</td><td>4.7</td><td>3.4</td><td>6.5</td><td></td> <td>29</td> </tr> <tr> <td>R</td><td>O</td><td>A</td><td>D</td><td></td><td></td><td></td><td></td><td></td><td></td> <td>C 2000</td> </tr> <tr> <td>12.7</td><td>4.3</td><td>4.3</td><td>4.7</td><td>3.4</td><td>12.7</td><td></td><td></td><td></td><td></td> <td>16.6</td> </tr> </tbody> </table> <p>FILENAME: 2019 Sign Designs NORTH CAROLINA D.O.T. SIGN DETAIL</p>			Letter spacings are to start of next letter										Series/Size											Text Length	B	R	A	N	T	O	N				C 2000	6.5	4.4	3.9	4.7	4.2	3.8	4.7	3.4	6.5		29	R	O	A	D							C 2000	12.7	4.3	4.3	4.7	3.4	12.7					16.6
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<p>SIGN NUMBER: SP19065 TYPE: D QUANTITY: 1 SIGN WIDTH: 4'-0" HEIGHT: 2'-6" TOTAL AREA: 10.0 Sq.Ft. BORDER TYPE: FLUSH RECESS: 0.47" WIDTH: 0.63" RADIUS: 1.5" NO. Z BARS: LENGTH:</p>	<p>BACKG COLOR: Flourescent Orange COPY COLOR: Black DESIGN BY: jgm PROJECT ID: BR-0115 CHECKED BY: KLJ LOCATION: Mar 25, 2019 DIV: 12</p>	<p>BORDER R=1.5" TH=0.63" IN=0.47"</p>																																																																								
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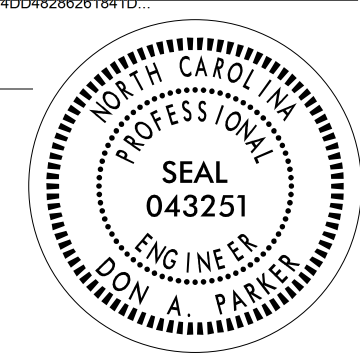

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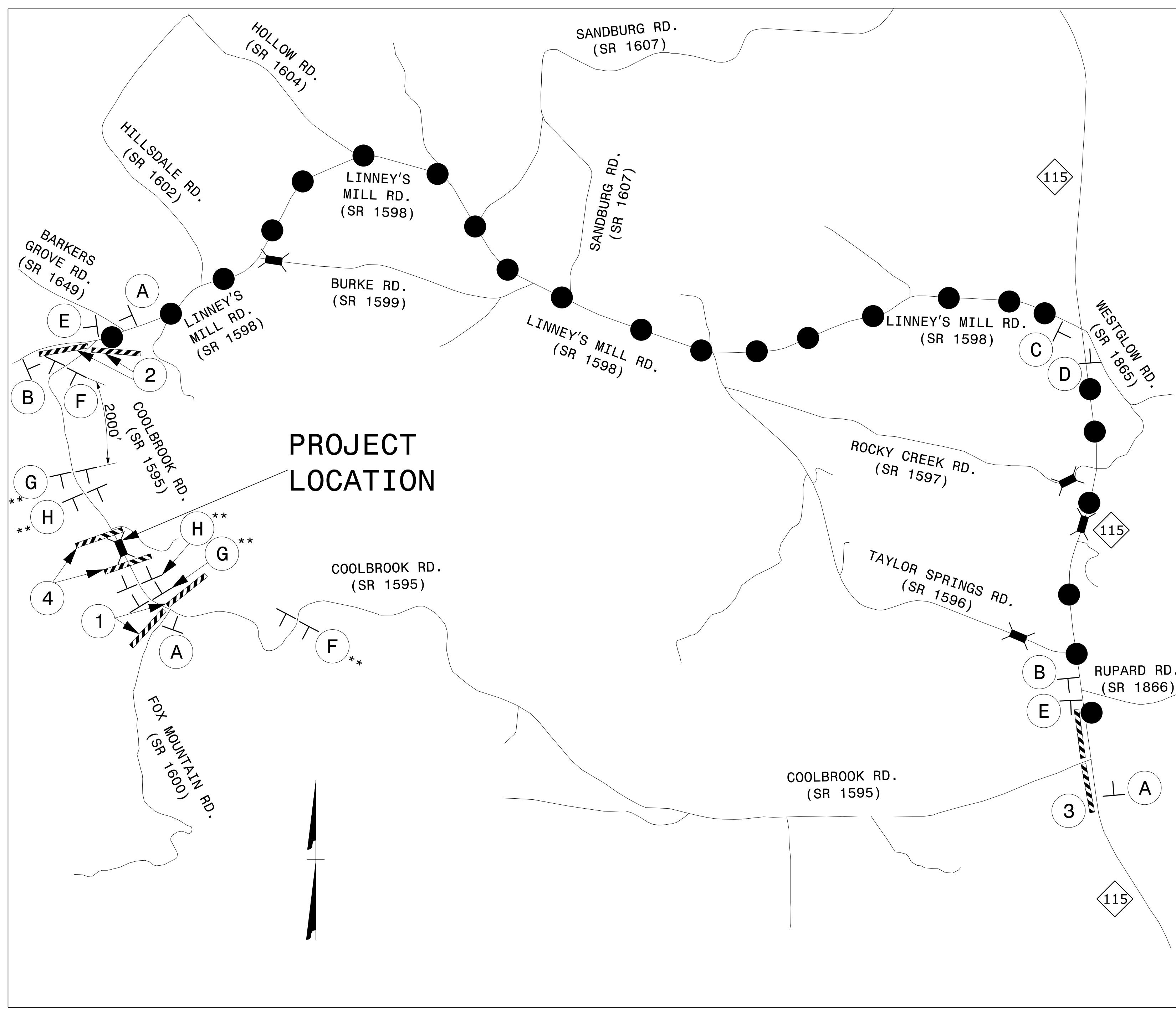
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BR-0115 PHASING

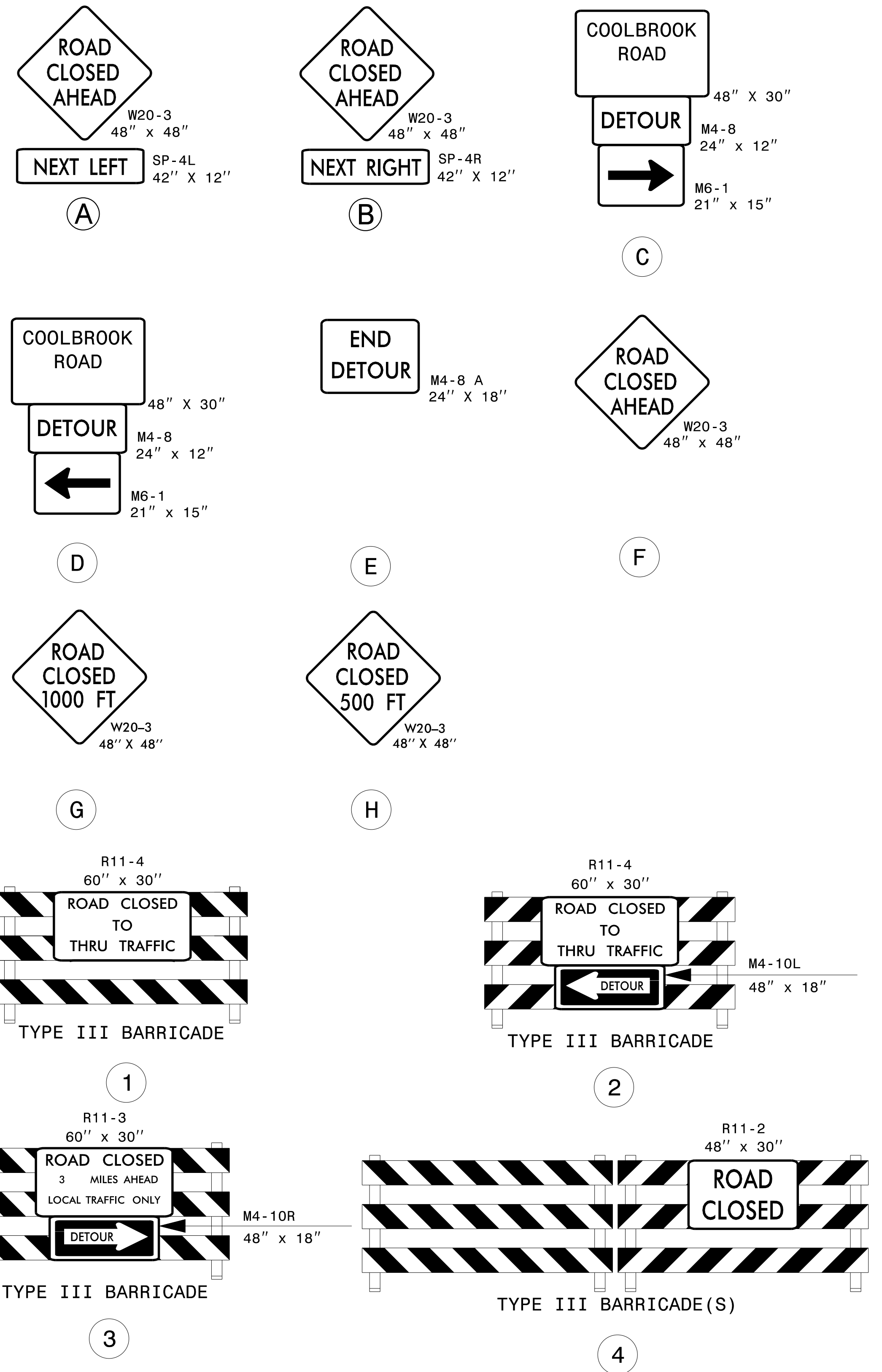
- STEP 1. USING ROADWAY STANDARD DRAWINGS 1101.03, SHEET 1, AND TMP-2 INSTALL OFFSITE DETOUR SIGNS AND TRAFFIC CONTROL DEVICES AND CLOSE COOLBROOK ROAD (SR 1595) TO THROUGH TRAFFIC. MAINTAIN DRIVEWAY ACCESS AT ALL TIMES.
- STEP 2. COMPLETE THE FOLLOWING WITHIN THE ROAD CLOSURE:
- A) REMOVE THE EXISTING BRIDGE.
 - B) CONSTRUCT THE PROPOSED BRIDGE AND ROADWAY APPROACHES INCLUDING THE FINAL LAYER OF SURFACE COURSE AND FINAL PAVEMENT MARKINGS.
- STEP 3. REMOVE ALL TRAFFIC CONTROL DEVICES AND DETOUR SIGNS AND OPEN COOLBROOK ROAD (SR 1595) TO THROUGH TRAFFIC.

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APPROVED: Don A. Parker <small>402462892819410</small> DATE: 11/9/2020			<h3>BR-0115 PHASING</h3>
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** REFER TO RSD 1101.03, SHEET 1, FOR WORK ZONE SIGN SPACING REQUIRED ALONG COOLBROOK RD **



APPROVED: *Don A. Parkes*
 DATE: 11/9/2020
 SEAL 043251
 ENGINEER DON A. PARKER
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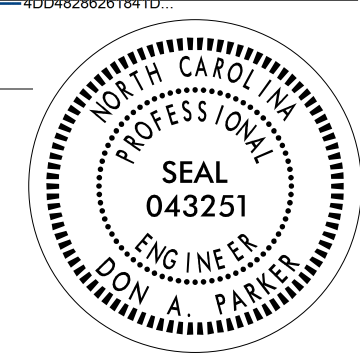

BR-0115
 OFFSITE DETOUR
 ROUTE AND
 ROAD CLOSURE

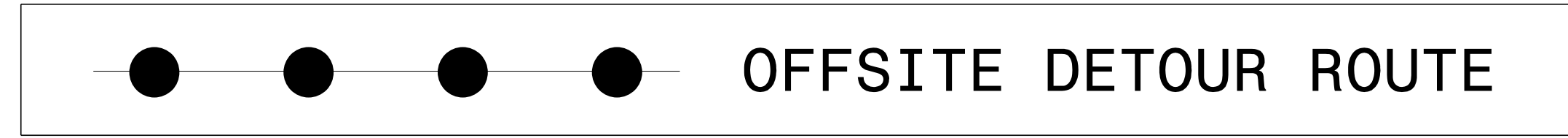
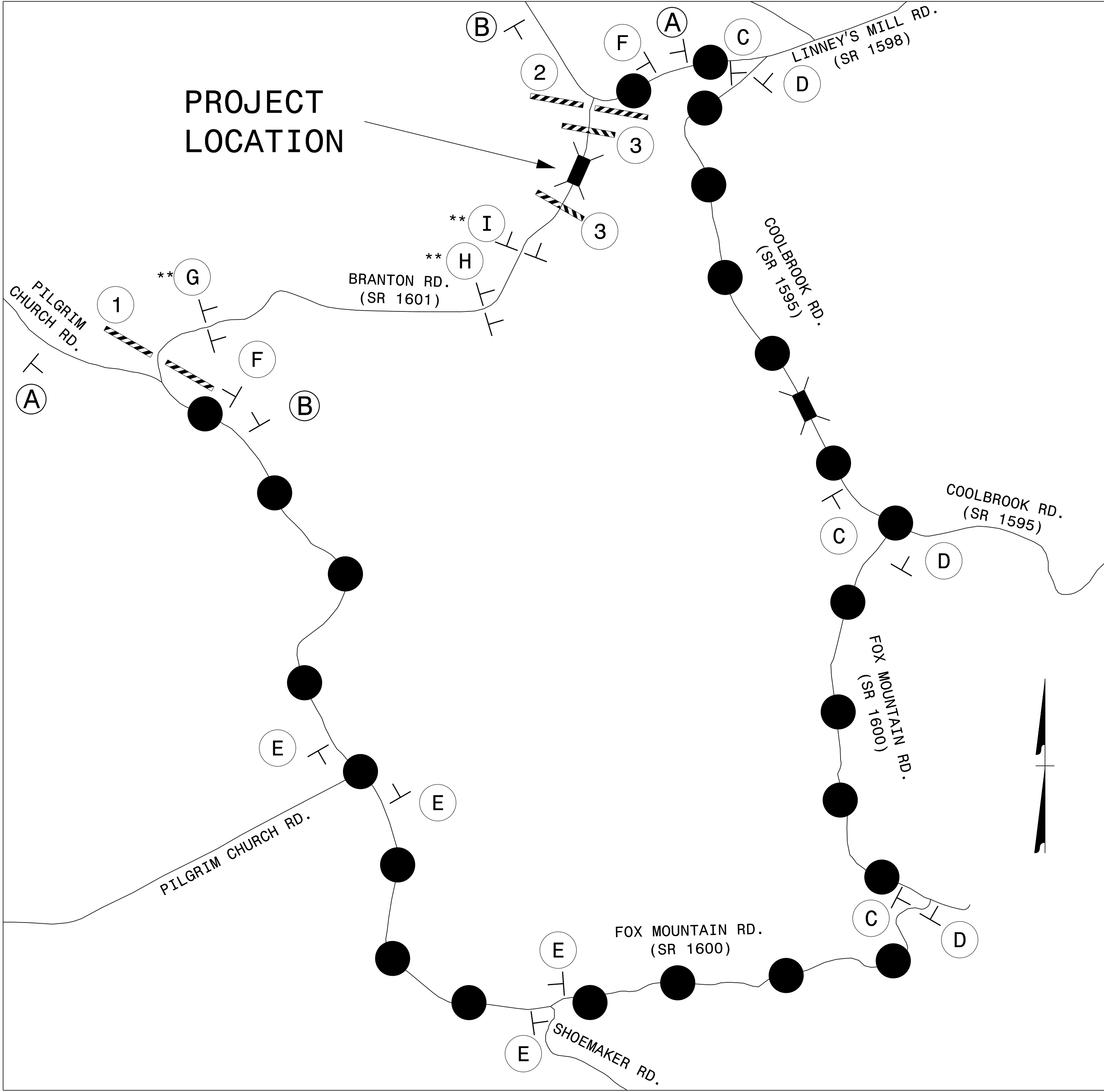
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BR-0114 PHASING

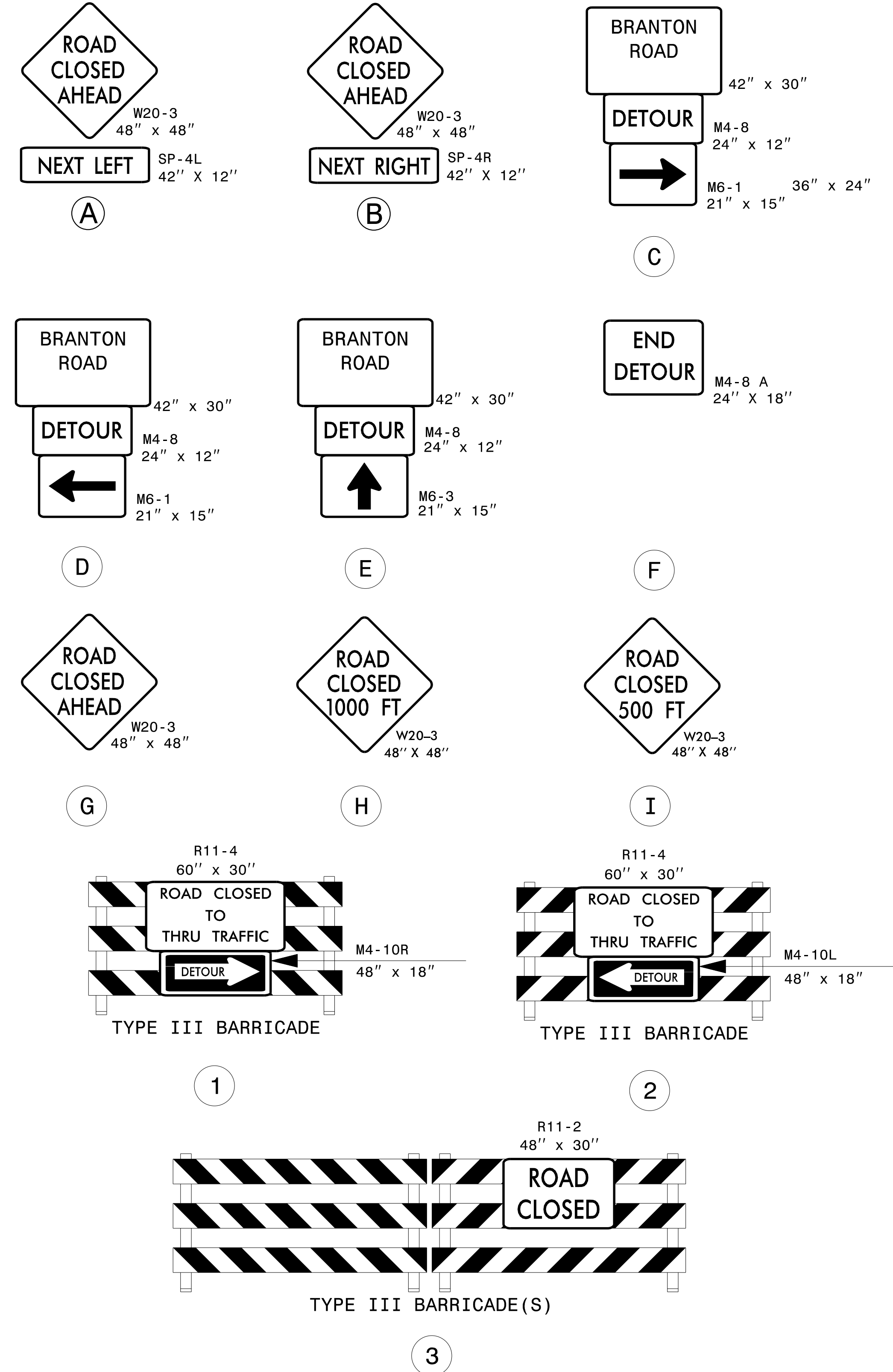
- STEP 1. USING ROADWAY STANDARD DRAWINGS 1101.03, SHEET 1, AND TMP-3 INSTALL OFFSITE DETOUR SIGNS AND TRAFFIC CONTROL DEVICES AND CLOSE BRANTON ROAD (SR 1601) TO THROUGH TRAFFIC.
- STEP 2. COMPLETE THE FOLLOWING WITHIN THE ROAD CLOSURE:
- A) REMOVE THE EXISTING BRIDGE.
 - B) CONSTRUCT THE PROPOSED BRIDGE AND ROADWAY APPROACHES INCLUDING THE FINAL LAYER OF SURFACE COURSE AND FINAL PAVEMENT MARKINGS.
- STEP 3. REMOVE ALL TRAFFIC CONTROL DEVICES AND DETOUR SIGNS AND OPEN BRANTON ROAD (SR 1601) TO THROUGH TRAFFIC.

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APPROVED: _____ <small>DocuSigned by: Don A. Parker 40046282010410</small> DATE: 11/9/2020			<h3 style="margin: 0;">BR-0114 PHASING</h3>
DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED			



** REFER TO RSD 1101.03, SHEET 1, FOR WORK ZONE SIGN SPACING REQUIRED ALONG BRANTON RD **



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APPROVED: <u>Don A. Parker</u> DATE: 11/9/2020 		BR-0114 OFFSITE DETOUR ROUTE AND ROAD CLOSURE
DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED		