

STATE OF NORTH CAROLINA
DIVISION OF HIGHWAYS

STATE PROJECT REFERENCE NO.	SHEET NO.
U-3816	TCP-1

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

U-3816

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 ACCESSES
1101.11	TRAFFIC CONTROL DESIGN TABLES
1110.01	STATIONARY WORK ZONE SIGNS
1110.02	PORTABLE WORK ZONE SIGNS
1130.01	DRUM
1135.01	CONES
1145.01	BARRICADES
1150.01	FLAGGING DEVICES
1165.01	TRUCK MOUNTED IMPACT ATTENUATOR
1180.01	SKINNY-DRUM
1205.01	PAVEMENT MARKINGS - LINE TYPES & OFFSETS
1205.02	PAVEMENT MARKINGS - 2 LANE & MULTILANE ROADWAYS
1205.04	PAVEMENT MARKINGS - INTERSECTIONS
1205.05	PAVEMENT MARKINGS - TURN LANES
1205.08	PAVEMENT MARKINGS - SYMBOLS & WORD MESSAGES
1205.09	PAVEMENT MARKINGS - PAINTED ISLANDS
1205.12	PAVEMENT MARKINGS - BRIDGES
1250.01	PAVEMENT MARKER SPACING
1251.01	RAISED PAVEMENT MARKERS (TEMPORARY)
1253.01	SNOWPLOWABLE RAISED PAVEMENT MARKERS

INDEX OF SHEETS

SHEET NO.	TITLE
TCP-1	LIST OF APPLICABLE ROADWAY STANDARD DRAWINGS, LEGEND, INDEX OF SHEETS, AND TEMPORARY PAVEMENT MARKING SCHEDULE
TCP-2	PROJECT NOTES AND PHASING
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TCP-4	PHASE I - OFFSITE DETOUR
TCP-5	PHASE I DETAILS
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TCP-8	PHASE II - OFFSITE DETOUR
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TCP-10	PHASE II DETAILS
TCP-11	ADVANCE WORK ZONE WARNING SIGNS
SD-1	SIGN DESIGN - OAKDALE GIN ROAD
PM-1	FINAL PAVEMENT MARKING SCHEDULE
PM-2 THRU 8	FINAL PAVEMENT MARKINGS

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

PHASE I AND PHASE II (TOTAL)

TEMPORARY PAVEMENT MARKING SCHEDULE				
SYMBOL	DESCRIPTION	TEMPORARY PAVEMENT MARKINGS	PAY ITEM QUANTITY BREAKDOWN	TOTAL QUANTITY
PA	WHITE EDGELINE (1X)	PAINT (4")	10,224 L.F.	TOTAL 52,141 L.F.
PA	WHITE EDGELINE (2X)		23,698 L.F.	
PD	2 FT. WHITE MINISKIP (1X)	PAINT (8")	13 L.F.	TOTAL 412 L.F.
PD	2 FT. WHITE MINISKIP (2X)		93 L.F.	
PE	WHITE SOLID LANE LINE (1X)	PAINT (24")	113 L.F.	TOTAL 152 L.F.
PF	10 FT. YELLOW SKIP (1X)		234 L.F.	
PH	YELLOW SINGLE CENTER (1X)	PAINT MARKING SYMBOLS	934 L.F.	TOTAL 7 EA.
PI	YELLOW DOUBLE CENTER (1X)		10,572 L.F.	
PI	YELLOW DOUBLE CENTER (2X)		6,260 L.F.	
PV	YELLOW DIAGONAL (1X)	MARKERS	412 L.F.	TOTAL 188 EA.
P4	WHITE STOPBAR (1X)		84 L.F.	
P4	WHITE STOPBAR (2X)	TEMPORARY RAISED PAVEMENT MARKERS	68 L.F.	TOTAL 188 EA.
QA	LEFT TURN ARROW (1X)		6 EA.	
QC	STRAIGHT ARROW (1X)	1 EA.		
MH	YELLOW & YELLOW		178 EA.	
MI	CRYSTAL & RED		10 EA.	

NOTE: FOR EACH PAINT PAVEMENT MARKING ITEM, 1X IMPLIES A SINGLE APPLICATION, 2X IMPLIES TWO APPLICATIONS, AND 3X IMPLIES THREE APPLICATIONS.

APPROVED: <i>Chad L. Lanford</i> DATE: 10/11/07	PLAN PREPARED BY: N.C.D.O.T. WORK ZONE TRAFFIC CONTROL UNIT
SEAL	J. S. BOURNE, P.E. TRAFFIC CONTROL ENGINEER
	M. M. McDIARMID, P.E. TRAFFIC CONTROL PROJECT ENGINEER
	C. L. LANFORD, P.E. TRAFFIC CONTROL PROJECT DESIGN ENGINEER
	S. B. COATS TRAFFIC CONTROL DESIGN ENGINEER

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TIP PROJECT:

PROJECT NOTES

PROJ. REFERENCE NO.	SHEET NO.
U-3816	TCP-2

GENERAL NOTES

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.

ADAPT THE TRAFFIC CONTROL PLANS, WHEN DIRECTED BY THE ENGINEER, TO MEET FIELD CONDITIONS TO PROVIDE SAFE AND EFFICIENT TRAFFIC MOVEMENT. CHANGES MAY BE REQUIRED WHEN PHYSICAL DIMENSIONS IN THE DETAIL DRAWINGS, STANDARD DETAILS AND ROADWAY DETAILS ARE NOT ATTAINABLE, OR RESULT IN DUPLICATE, OR UNDESIRED OVERLAPPING OF DEVICES. MODIFICATION MAY INCLUDE: MOVING, SUPPLEMENTING, COVERING OR REMOVAL OF DEVICES.

TIME RESTRICTIONS

- A) DO NOT CLOSE OR NARROW TRAVEL LANES DURING HOLIDAYS AND SPECIAL EVENTS AS FOLLOWS:

ROAD NAME

- NC 20 (ST. PAULS RD.)
- NC 211 (SOUTH MAIN ST.)
- SR 1149 (EAST PALMER ST.)
- SR 1403 (OAKDALE GIN RD.)

HOLIDAY

1. FOR UNEXPECTED OCCURRENCE THAT CREATES UNUSUALLY HIGH TRAFFIC VOLUMES, AS DIRECTED BY THE ENGINEER.
2. FOR TURKEY FESTIVAL, BETWEEN THE HOURS OF 4:00 P.M. FRIDAY AND 9:00 A.M. MONDAY.

LANE AND SHOULDER CLOSURE REQUIREMENTS

- B) 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.
- C) WHEN PERSONNEL AND/OR EQUIPMENT ARE WORKING WITHIN 40 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.
- D) 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.
- E) 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.
- F) DO NOT WORK SIMULTANEOUSLY, ON BOTH SIDES OF AN OPEN TRAVELWAY, WITHIN THE SAME LOCATION, ON A TWO-LANE, TWO-WAY ROAD.
- G) DO NOT PERFORM WORK INVOLVING HEAVY EQUIPMENT WITHIN 15 FT OF THE EDGE OF TRAVELWAY WHEN WORK IS BEING PERFORMED BEHIND A LANE CLOSURE ON THE OPPOSITE SIDE OF THE TRAVELWAY.

PAVEMENT EDGE DROP OFF REQUIREMENTS

- H) 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.
- I) DO NOT EXCEED A DIFFERENCE OF 2 INCHES IN ELEVATION BETWEEN OPEN LANES OF TRAFFIC FOR NOMINAL LIFTS OF 1.5 INCHES. INSTALL ADVANCE WARNING "UNEVEN LANES" SIGNS (W8-11) 350 FT. IN ADVANCE.

TRAFFIC PATTERN ALTERATIONS

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

SIGNING

- K) 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.
- WHEN NO WORK IS BEING CONDUCTED FOR A PERIOD LONGER THAN ONE WEEK, REMOVE OR COVER ALL ADVANCE WORK ZONE WARNING SIGNS, AS DIRECTED BY THE ENGINEER, AT NO COST TO THE DEPARTMENT.
- L) STATE FORCES SHALL BE RESPONSIBLE FOR PERMANENT SIGNING.
- M) STATE FORCES WILL BE RESPONSIBLE FOR DETOUR SIGNING OFF THE PROJECT LIMITS.
- N) STATE FORCES WILL COVER OR REMOVE ALL DETOUR SIGNS OFF THE PROJECT LIMITS WHEN A DETOUR IS NOT IN OPERATION.

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

TRAFFIC CONTROL DEVICES

- P) WHEN USING ROADWAY STANDARD NO. 1101.02, DRUMS OR SKINNY-DRUMS MAY BE USED IN LIEU OF CONES ON NC 211, NC 20 AND SR 1149.
- Q) 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.
- R) PLACE TYPE III BARRICADES, WITH "ROAD CLOSED" SIGN R11-2 ATTACHED, OF SUFFICIENT LENGTH TO CLOSE ENTIRE ROADWAY. STAGGER OR OVERLAP BARRICADES TO ALLOW FOR INGRESS OR EGRESS.

PAVEMENT MARKINGS AND MARKERS

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

ROAD NAME	MARKING	MARKER
-L-	THERMO	SNOWPLOWABLE
-Y- (NC 211)	THERMO	SNOWPLOWABLE
-Y1A- (SR 1403)	THERMO	SNOWPLOWABLE
-Y2- (NC 20)	THERMO	SNOWPLOWABLE

- T) INSTALL TEMPORARY PAVEMENT MARKINGS AND TEMPORARY PAVEMENT MARKERS ON INTERIM PAVEMENT AS FOLLOWS:

ROAD NAME	MARKING	MARKER
-L- (SR 1149)	PAINT	TEMPORARY RAISED
-Y- (NC 211)	PAINT	TEMPORARY RAISED
-Y2- (NC 20)	PAINT	TEMPORARY RAISED

- U) TIE PROPOSED PAVEMENT MARKING LINES TO EXISTING PAVEMENT MARKING LINES.
- V) REPLACE ANY PAVEMENT MARKINGS THAT HAVE BEEN DAMAGED BY THE END OF EACH DAY'S OPERATION.
- W) PLACE AT LEAST TWO APPLICATIONS OF PAINT ON NEW ASPHALT WITH TEMPORARY TRAFFIC PATTERNS WHICH WILL REMAIN IN PLACE OVER THREE (3) MONTHS. PLACE ADDITIONAL APPLICATIONS OF PAINT UPON SUFFICIENT DRYING TIME, AS DETERMINED BY THE ENGINEER.

PHASING

PHASE I

- STEP 1. INSTALL ALL WORK ZONE ADVANCE WARNING SIGNS ON NC 211, NC 20, SR 1149, AND SR 1403. IF WORK IS NOT PURSUED WITHIN THREE DAYS OF SIGN INSTALLATION, THE SIGNS SHALL BE COVERED OR REMOVED IN A METHOD APPROVED BY THE ENGINEER ACCORDING TO STANDARD SPECS SECTION 1110. ADVANCE WARNING SIGNS SHALL BE INSTALLED WHEN CONSTRUCTION IS WITHIN 40 FEET OF EXISTING TRAVEL LANE, (SEE TCP-11).
- STEP 2. PLACE BARRICADES AS SHOWN ON TCP-3. AWAY FROM TRAFFIC, CONSTRUCT -L- AND -Y1A- UP TO BUT NOT INCLUDING FINAL SURFACE COURSE, INCLUDING DRAINAGE, BRIDGE, AND GUARDRAIL AS FOLLOWS:
- STA. 31+25+/- -L- TO STA. 74+25+/- -L-
- STA. 15+75+/- -Y1A- TO STA. 29+16+/- -Y1A-
- USING FLAGGERS, PLACE DRUMS AND CONSTRUCT -Y1A- UP TO EXISTING EDGE OF PAVEMENT ELEVATIONS AS FOLLOWS (SEE TCP-3):
- STA. 10+00+/- -Y1A- TO STA. 15+75+/- -Y1A-

THE CONTRACTOR SHALL COMPLETE THE WORK REQUIRED OF PHASE I, STEP 3 THRU STEP 5 IN 10 CONSECUTIVE CALENDAR DAYS. (SEE INTERMEDIATE CONTRACT AND LIQUIDATED DAMAGES).

- WHILE CONTINUING CONSTRUCTION AS DESCRIBED IN STEP 2:
- STEP 3. USING RSD NO. 1101.03 (SHEET 1 OF 9) IN CONJUNCTION WITH TCP-4, STATE FORCES SHALL INSTALL ALL OFFSITE DETOUR SIGNING. IF WORK IS NOT PURSUED WITHIN THREE DAYS OF SIGN INSTALLATION, THE SIGNS SHALL BE COVERED OR REMOVED IN A METHOD APPROVED BY THE ENGINEER ACCORDING TO STANDARD SPECS 1110.
- STEP 4. AWAY FROM TRAFFIC, REMOVE EXISTING CULVERT #1 AT STA. 28+40+/- -Y- AND INSTALL DUAL 42" DRAINAGE PIPES AND HEADWALL (SEE TCP-5). USING FLAGGERS, INSTALL 30" DRAINAGE PIPES AND CATCH BASINS AT STA. 24+07+/- -Y- AS SHOWN ON TCP-5.
- STEP 5. STATE FORCES SHALL REMOVE DETOUR SIGNING AND CONTRACTOR SHALL REMOVE DETOUR TYPE III BARRICADES. OPEN NC 211 (SOUTH MAIN ST.) TO 2-LANE, 2-WAY TRAFFIC.

- STEP 6. USING RSD 1101.02 (SHEET 1 AND 2 OF 9), PLACE TEMPORARY PAVEMENT MARKINGS AS FOLLOWS (SEE TCP-5 AND TCP-6):

STA. 17+40+/- -L-	TO STA. 30+27+/- -L-
STA. 75+54+/- -L-	TO STA. 89+00+/- -L-
STA. 15+00+/- -Y-	TO STA. 35+50+/- -Y-
STA. 12+00+/- -Y2-	TO STA. 32+00+/- -Y2-

MODIFY SIGNALS AT THE INTERSECTIONS OF -L- (E. PALMER ST.) / -Y- (NC 211). SEE SIGNALS PLAN.

USING RSD 1101.02 (SHEET 1 AND 2 OF 9), INSTALL ALL TRAFFIC CONTROL DEVICES AS SHOWN ON TCP-3, TCP-5, AND TCP-6. MAINTAIN TRAFFIC IN EXISTING 2-WAY, 2-LANE PATTERN ON NC 20, SR 1149, AND SR 1403. MAINTAIN TRAFFIC IN EXISTING 2-WAY, 3-LANE PATTERN ON NC 211. MAINTAIN ACCESS TO ALL DRIVEWAYS WITHIN PROJECT LIMITS AS DIRECTED BY ENGINEER.

- STEP 7. USING RSD 1101.02 (SHEET 1 AND 2 OF 9), CONSTRUCT UP TO BASE COURSE TO EXISTING EDGE OF PAVEMENT ELEVATIONS AS FOLLOWS (SEE TCP-5 AND TCP-6):

STA. 16+61+/- -L-	TO STA. 30+30+/- -L-
STA. 30+70+/- -L-	TO STA. 31+25+/- -L-
STA. 74+25+/- -L-	TO STA. 75+00+/- -L-
STA. 75+34+/- -L-	TO STA. 87+50+/- -L-
STA. 16+70+/- -Y-	TO STA. 34+00+/- -Y-
STA. 13+50+/- -Y2-	TO STA. 30+50+/- -Y2-

PHASE II

- STEP 1. USING RSD NO. 1101.03 (SHEET 1 AND 2 OF 9) IN CONJUNCTION WITH TCP-8, STATE FORCES SHALL INSTALL ALL OFFSITE DETOUR SIGNING. IF WORK IS NOT PURSUED WITHIN THREE DAYS OF SIGN INSTALLATION, THE SIGNS SHALL BE COVERED OR REMOVED IN A METHOD APPROVED BY THE ENGINEER ACCORDING TO STANDARD SPECS 1110.

- STEP 2. USING RSD 1101.02 (SHEET 1 AND 2 OF 9), WEDGE/PAVE UP TO BUT NOT INCLUDING FINAL SURFACE COURSE AS FOLLOWS:

STA. 16+61+/- -L-	TO STA. 30+70+/- -L-
STA. 16+70+/- -Y-	TO STA. 34+00+/- -Y-
STA. 13+50+/- -Y2-	TO STA. 30+50+/- -Y2-

USING RSD NO. 1205.01, 1205.02, 1205.04, 1205.05, 1205.08, 1205.09, 1250.01, AND 1253.01, PLACE TEMPORARY PAVEMENT MARKINGS AND MARKERS AS FOLLOWS (SEE TCP-9 AND TCP-10):

STA. 16+61+/- -L-	TO STA. 30+29+/- -L-
STA. 15+00+/- -Y-	TO STA. 35+50+/- -Y-
STA. 12+00+/- -Y2-	TO STA. 32+00+/- -Y2-

REMOVE PAVEMENT AS SHOWN ON TCP-7.

- STEP 3. INSTALL SIGNALS AT THE INTERSECTIONS OF -L- (E. PALMER ST.) / -Y- (NC 211) AND -L- (PALMER ST. EXT.) / -Y2- (NC 20).

- STEP 4. AWAY FROM TRAFFIC, CONSTRUCT AND WEDGE/PAVE -L- AND -Y1A- UP TO AND INCLUDING FINAL SURFACE COURSE AS FOLLOWS:

STA. 30+70+/- -L-	TO STA. 74+80+/- -L-
STA. 75+50+/- -L-	TO STA. 87+50+/- -L-
STA. 10+00+/- -Y1A-	TO STA. 29+16+/- -Y1A-

USING RSD NO. 1205.01, 1205.02, 1205.12, 1205.04, 1205.05, 1205.08, 1205.09, 1250.01, 1250.12, AND 1253.01, PLACE FINAL PAVEMENT MARKINGS AND MARKERS AS FOLLOWS (SEE PM-3 THRU PM-6 AND PM-8):

STA. 30+95+/- -L-	TO STA. 74+79+/- -L-
STA. 75+59+/- -L-	TO STA. 89+00+/- -L-
STA. 10+00+/- -Y1A-	TO STA. 28+82+/- -Y1A-

- STEP 5. USING RSD 1101.02 (SHEET 1 AND 2 OF 9), PAVE FINAL SURFACE COURSE AS FOLLOWS:

STA. 16+61+/- -L-	TO STA. 30+70+/- -L-
STA. 16+70+/- -Y-	TO STA. 34+00+/- -Y-
STA. 13+50+/- -Y2-	TO STA. 30+50+/- -Y2-

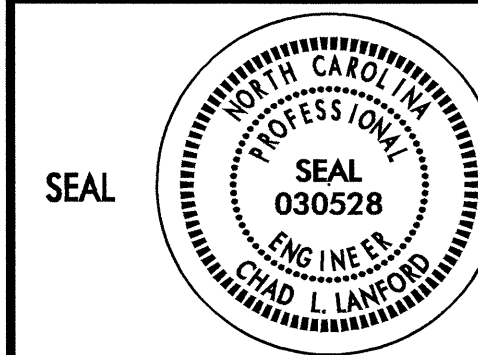
USING RSD NO. 1205.01, 1205.02, 1205.04, 1205.05, 1205.08, 1205.09, 1250.01, AND 1253.01, PLACE FINAL PAVEMENT MARKINGS AND MARKERS AS FOLLOWS (SEE PM-2, PM-3, PM-6 THRU PM-8):

STA. 15+25+/- -L-	TO STA. 30+01+/- -L-
STA. 15+00+/- -Y-	TO STA. 35+50+/- -Y-
STA. 12+00+/- -Y2-	TO STA. 32+00+/- -Y2-

ACTIVATE TRAFFIC SIGNALS AT THE INTERSECTIONS OF -L- (E. PALMER ST.) / -Y- (NC 211) AND -L- (PALMER ST. EXT.) / -Y2- (NC 20).

- STEP 6. STATE FORCES SHALL REMOVE DETOUR SIGNING. CONTRACTOR SHALL REMOVE DETOUR TYPE III BARRICADES AND DRUMS. OPEN PALMER ST. EXTENSION AND OAKDALE GIN RD. TO 2-LANE, 2-WAY TRAFFIC.

APPROVED: *Chad L. Lanford* DATE: 10/10/07

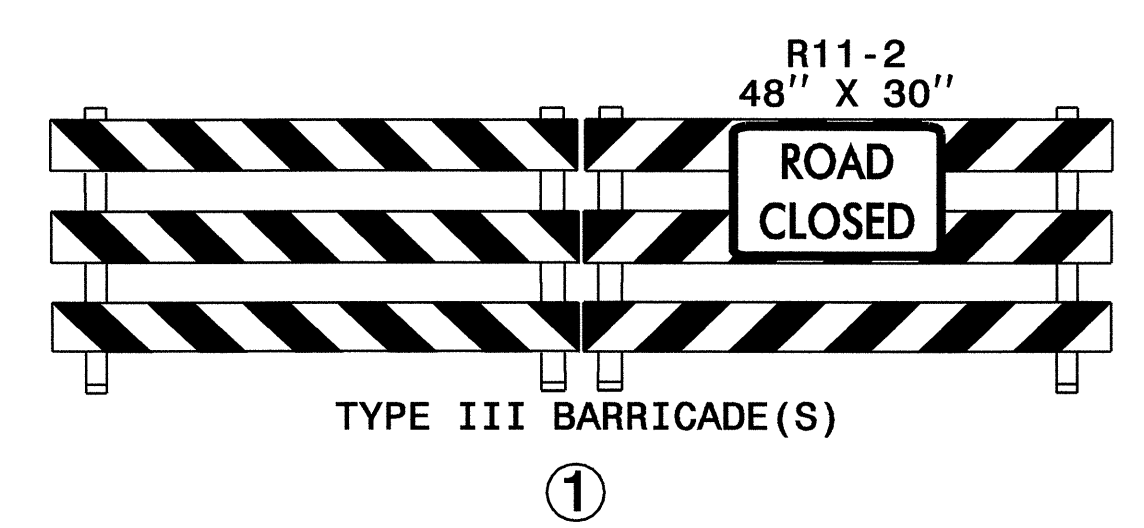
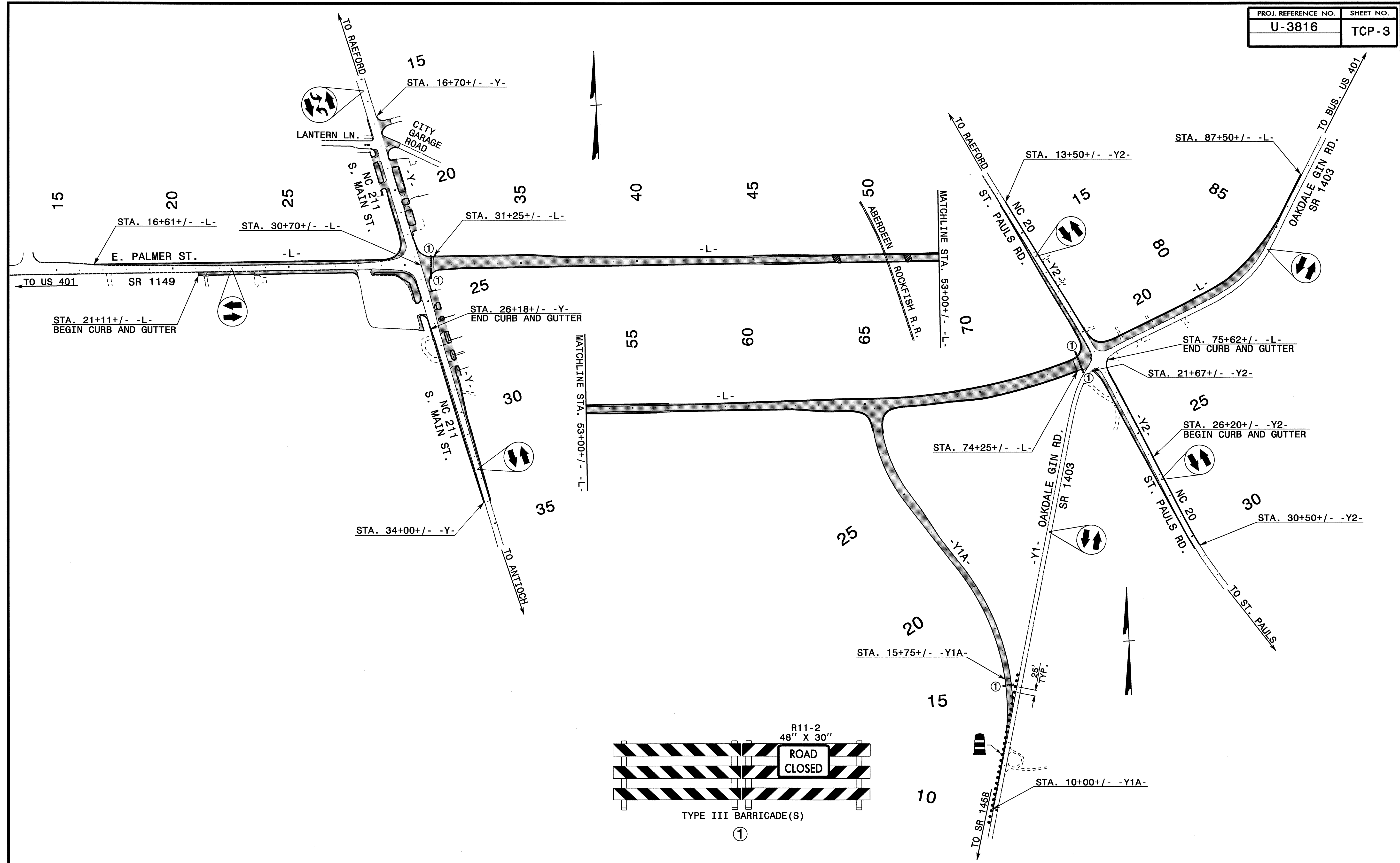


PROJECT NOTES AND PHASING

SCALE:	NONE
DATE:	08-27-07
DWG. BY:	SBC
DESIGN BY:	SBC
REVIEWED BY:	CLL



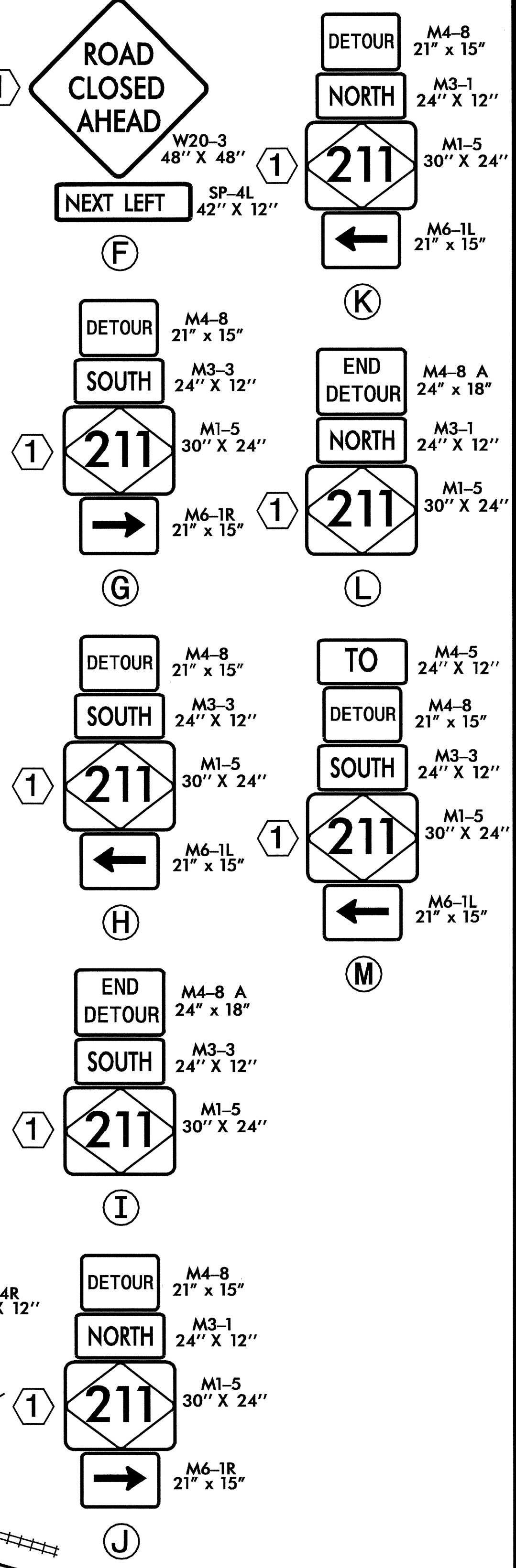
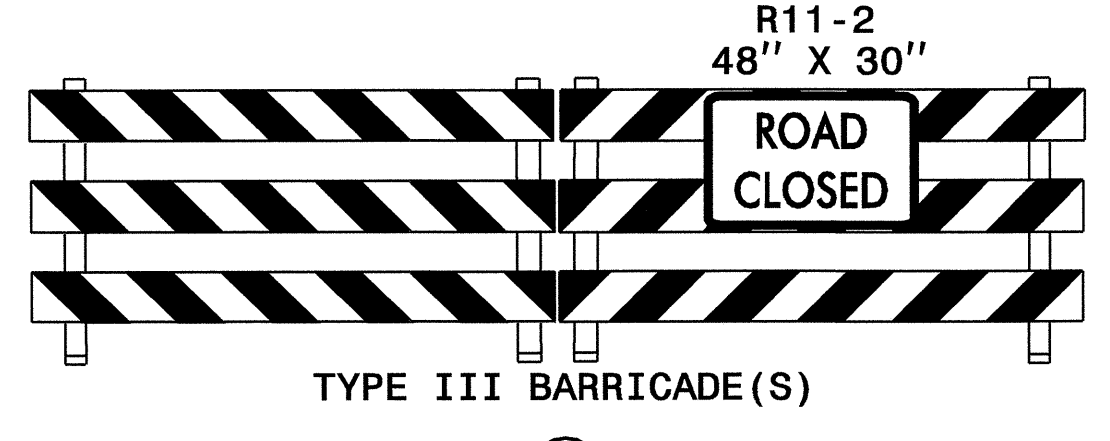
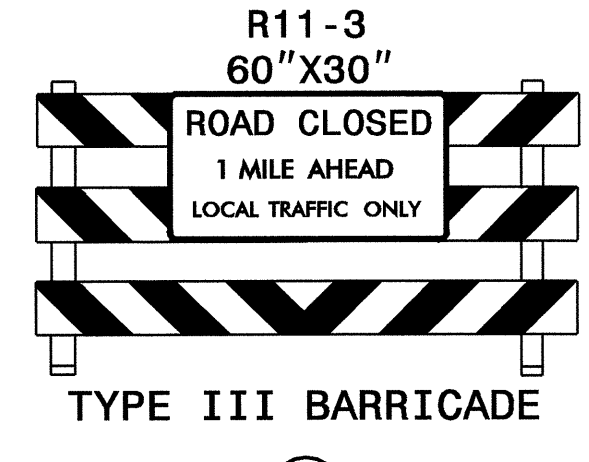
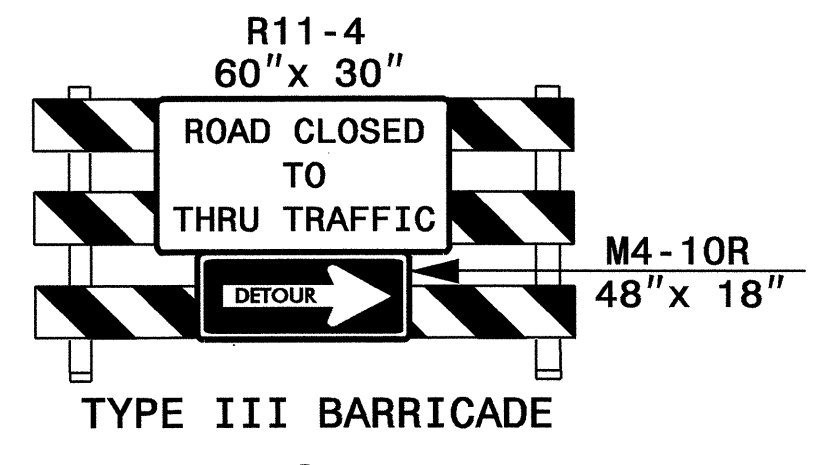
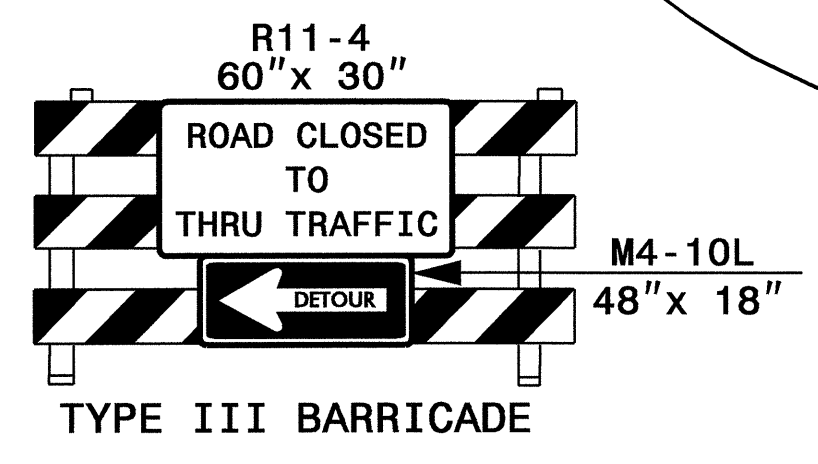
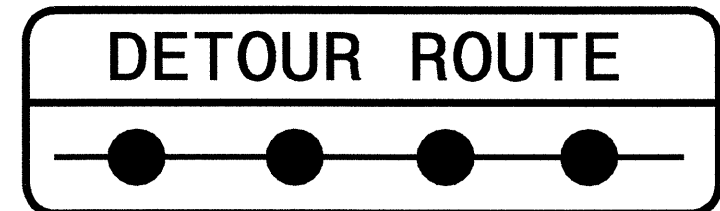
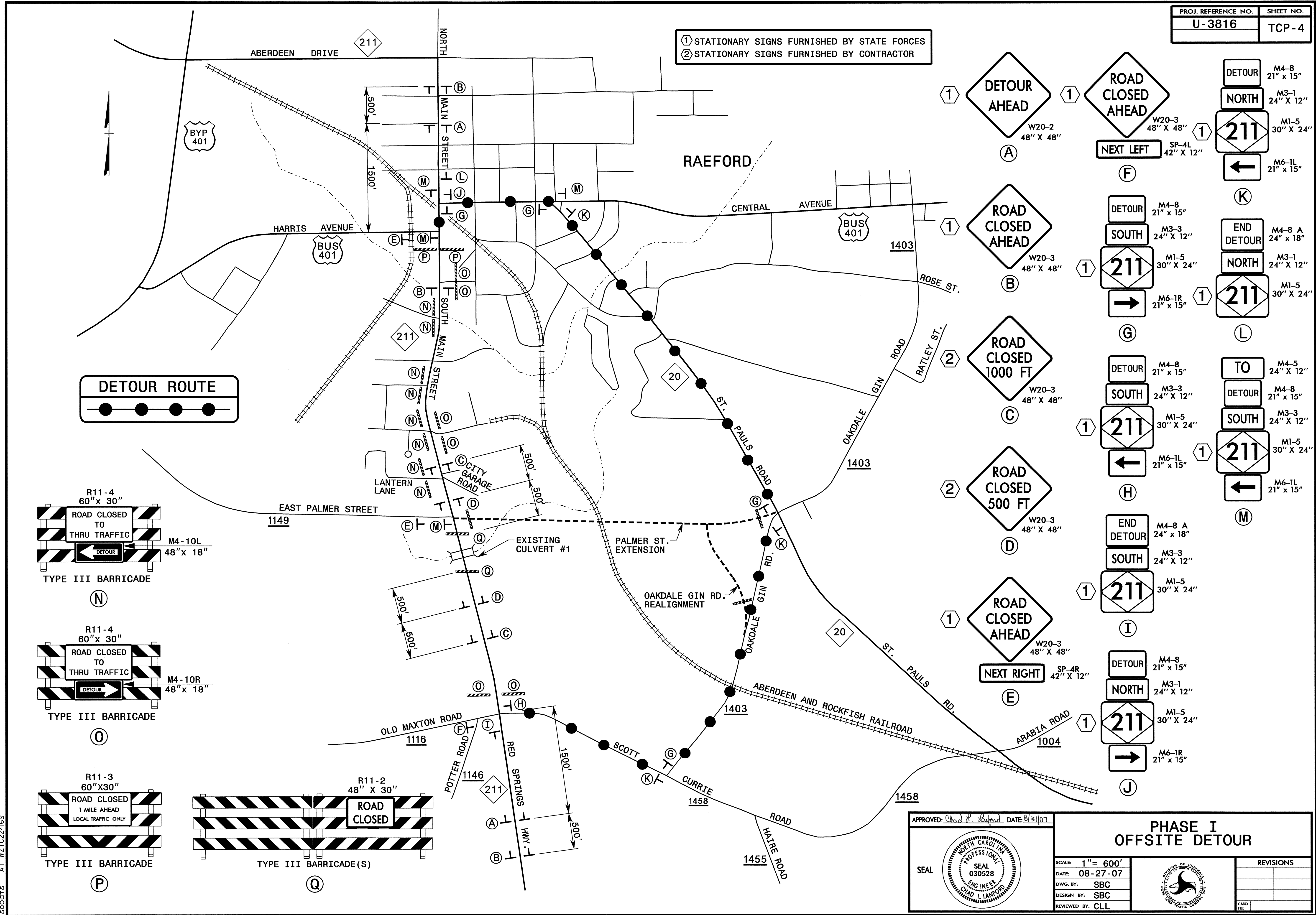
REVISIONS	



APPROVED: <i>Chad R. Sanford</i> DATE: 10/11/07		PHASE I OVERVIEW									
	SCALE: 1" = 200'										
	DATE: 08-27-07										
	DESIGN BY: SBC										
	REVIEWED BY: CLL										
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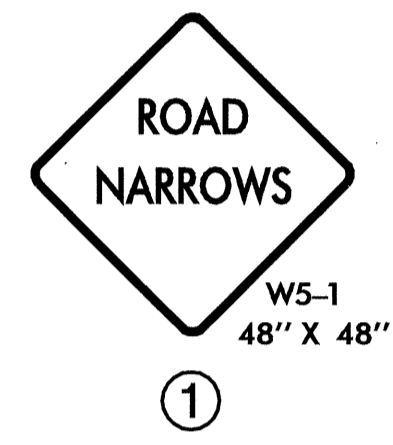
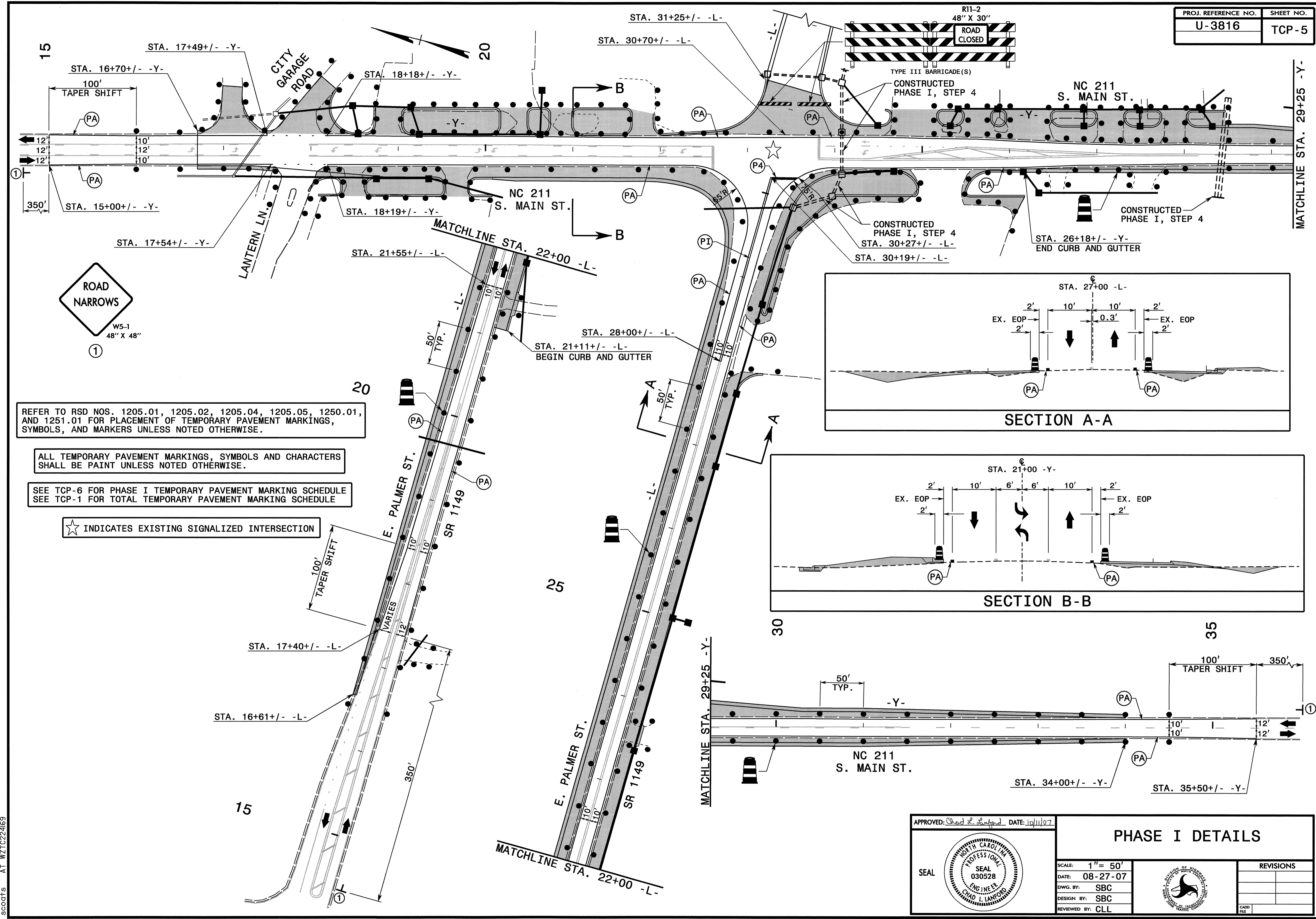
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① STATIONARY SIGNS FURNISHED BY STATE FORCES
 ② STATIONARY SIGNS FURNISHED BY CONTRACTOR



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APPROVED: <i>Chad L. Lanford</i> DATE: 8/21/07 SEAL 	PHASE I OFFSITE DETOUR					
	SCALE: 1" = 600' DATE: 08-27-07 DWG. BY: SBC DESIGN BY: SBC REVIEWED BY: CLL	REVISIONS <table border="1"> <tr> <td> </td> <td> </td> </tr> <tr> <td> </td> <td> </td> </tr> </table>				

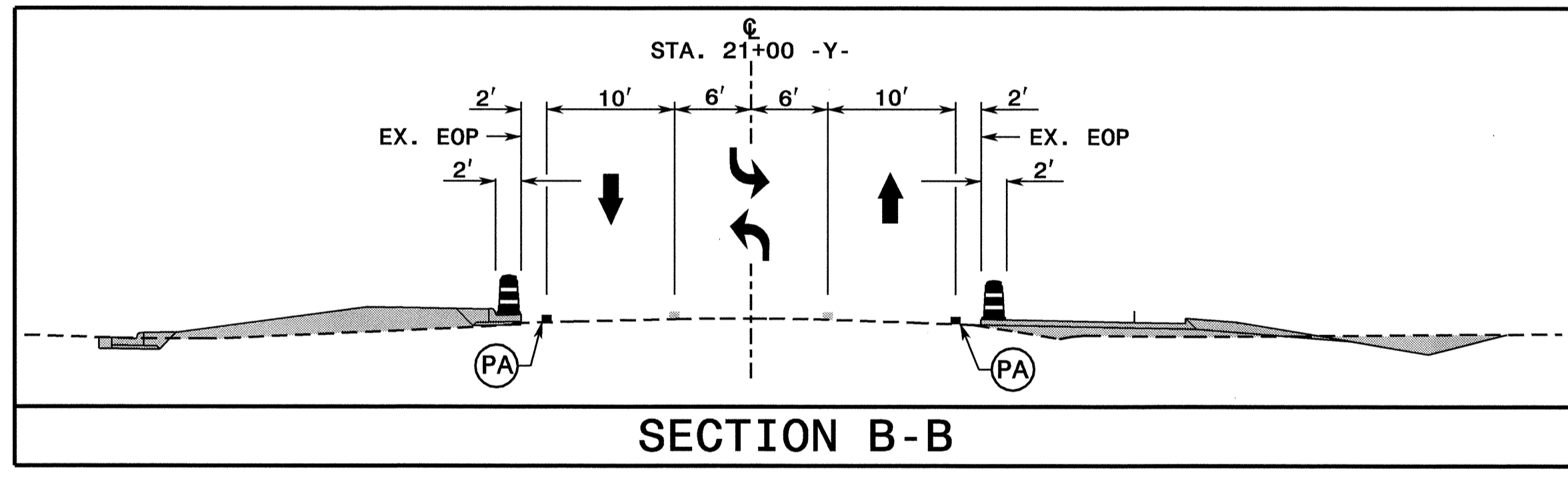
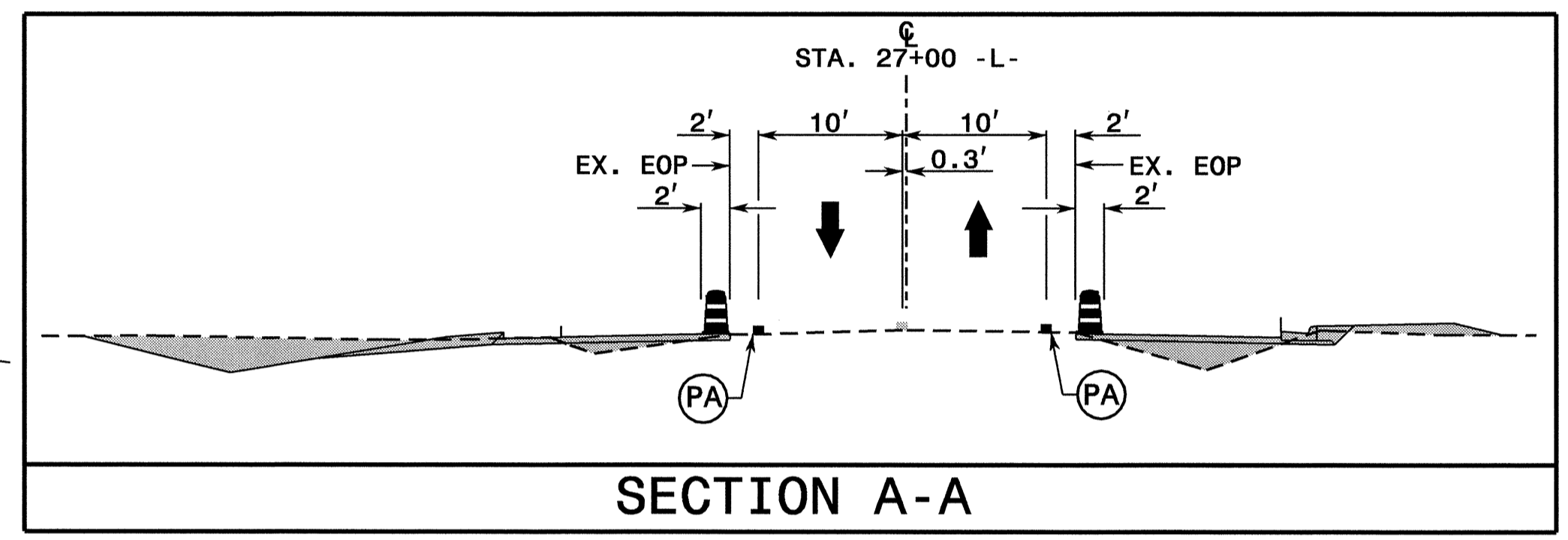


REFER TO RSD NOS. 1205.01, 1205.02, 1205.04, 1205.05, 1250.01, AND 1251.01 FOR PLACEMENT OF TEMPORARY PAVEMENT MARKINGS, SYMBOLS, AND MARKERS UNLESS NOTED OTHERWISE.

ALL TEMPORARY PAVEMENT MARKINGS, SYMBOLS AND CHARACTERS SHALL BE PAINT UNLESS NOTED OTHERWISE.

SEE TCP-6 FOR PHASE I TEMPORARY PAVEMENT MARKING SCHEDULE
SEE TCP-1 FOR TOTAL TEMPORARY PAVEMENT MARKING SCHEDULE

★ INDICATES EXISTING SIGNALIZED INTERSECTION

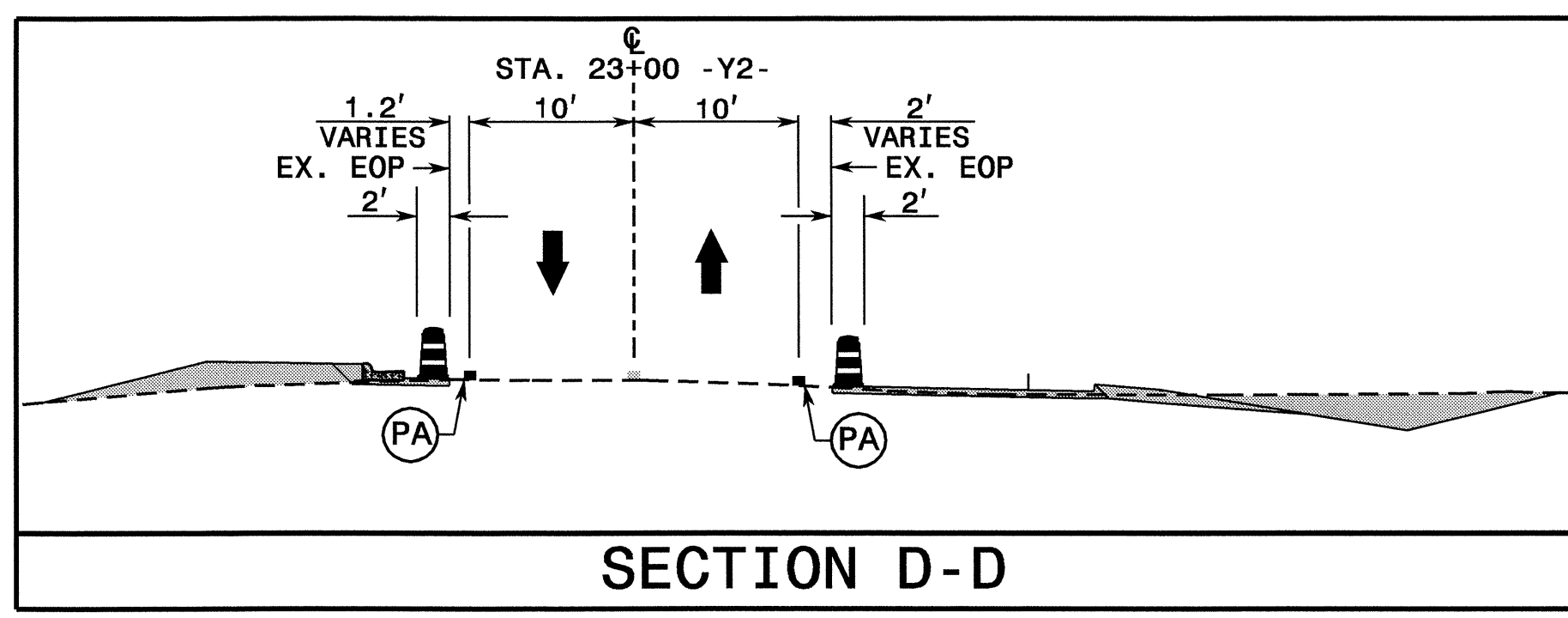
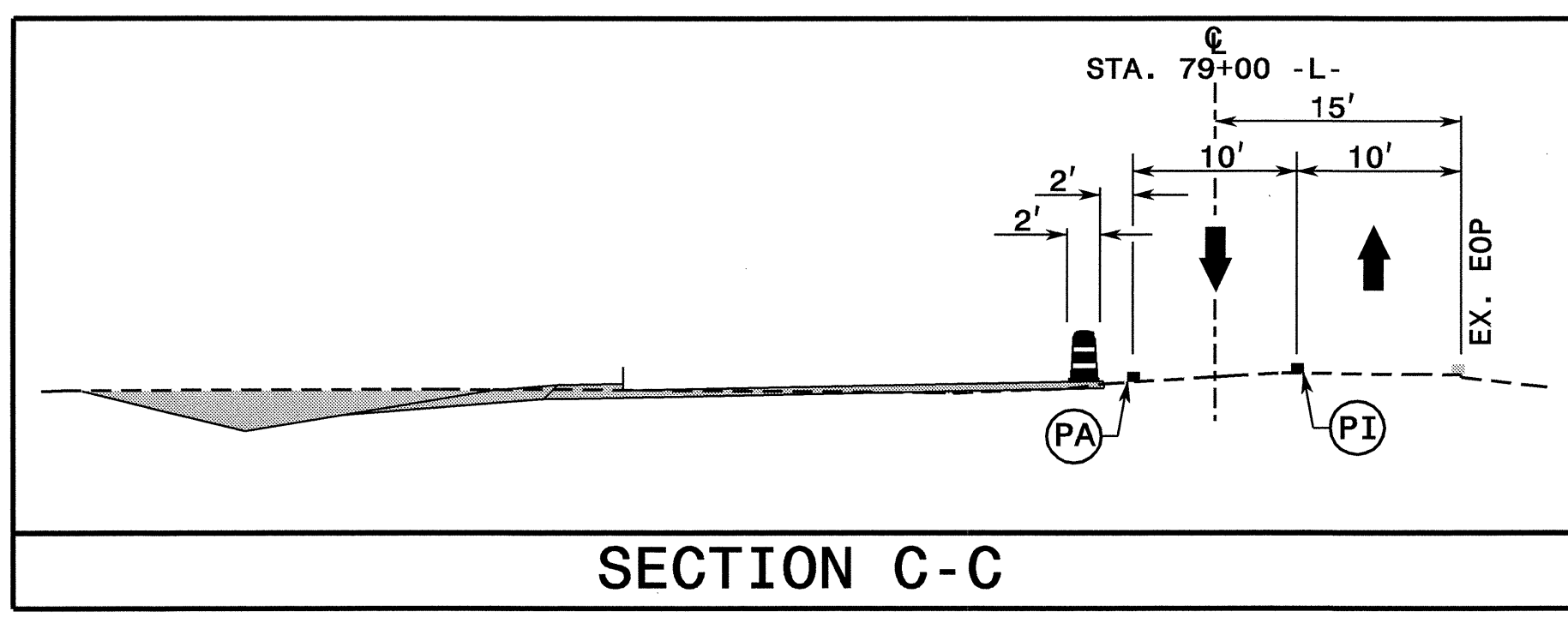


APPROVED: *Chad L. Lanford* DATE: 10/11/07



PHASE I DETAILS	
SCALE: 1" = 50'	REVISIONS
DATE: 08-27-07	
DESIGN BY: SBC	
REVIEWED BY: CLL	

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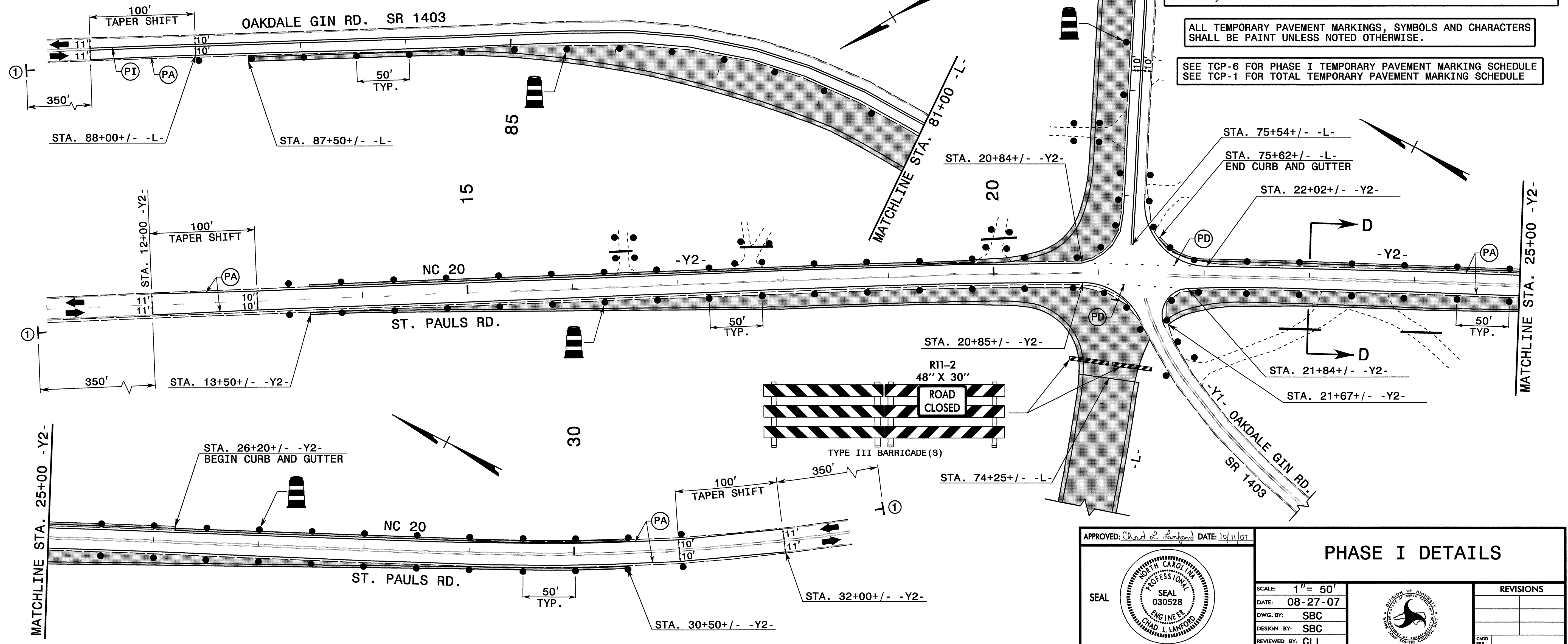


PHASE I

TEMPORARY PAVEMENT MARKING SCHEDULE

SYMBOL	DESCRIPTION	TEMPORARY PAVEMENT MARKINGS	PAY ITEM BREAKDOWN	QUANTITY	TOTAL QUANTITY
PA	WHITE EDGELINE (2X)	PAINT (4")	23,698	L.F.	TOTAL 30,051 L.F.
PD	2 FT. WHITE MINISKIP (2X)		93	L.F.	
PI	YELLOW DOUBLE CENTER (2X)		6,260	L.F.	
P4	WHITE STOPBAR (2X)	PAINT (24")	68	L.F.	TOTAL 68 L.F.
MH	YELLOW & YELLOW	MARKERS TEMPORARY RAISED PAVEMENT MARKERS	27	EA.	TOTAL 27 EA.

NOTE: FOR EACH PAINT PAVEMENT MARKING ITEM, 1X IMPLIES A SINGLE APPLICATION, 2X IMPLIES TWO APPLICATIONS, AND 3X IMPLIES THREE APPLICATIONS.

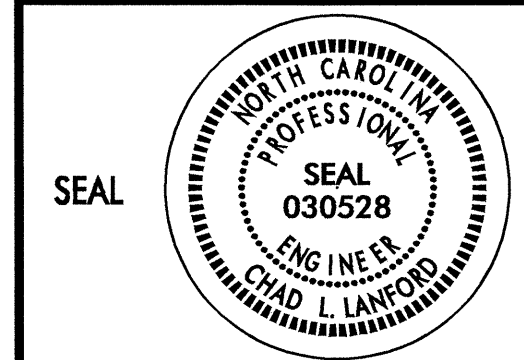


REFER TO RSD NOS. 1205.01, 1205.02, 1205.04, 1205.05, 1250.01, AND 1251.01 FOR PLACEMENT OF TEMPORARY PAVEMENT MARKINGS, SYMBOLS, AND MARKERS UNLESS NOTED OTHERWISE.

ALL TEMPORARY PAVEMENT MARKINGS, SYMBOLS AND CHARACTERS SHALL BE PAINT UNLESS NOTED OTHERWISE.

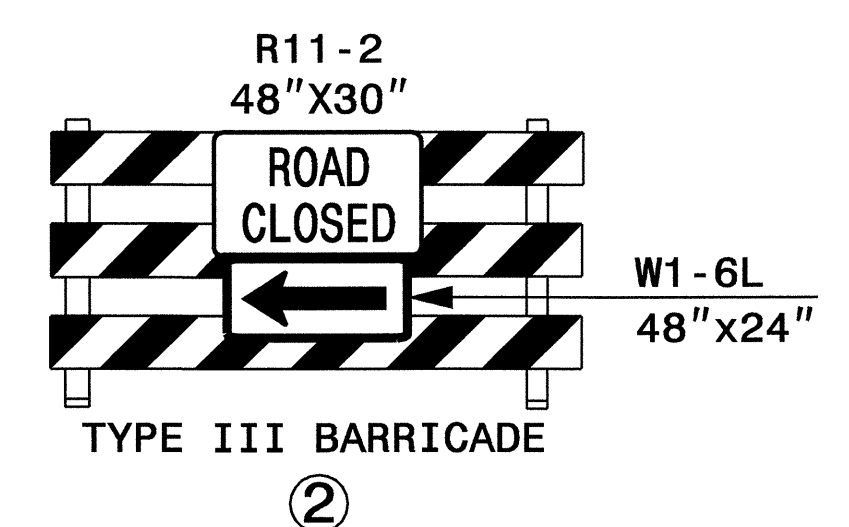
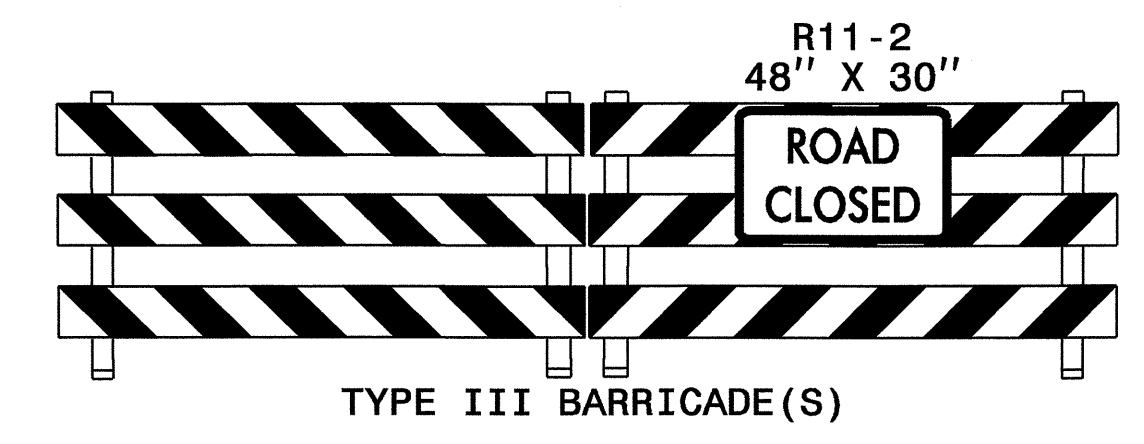
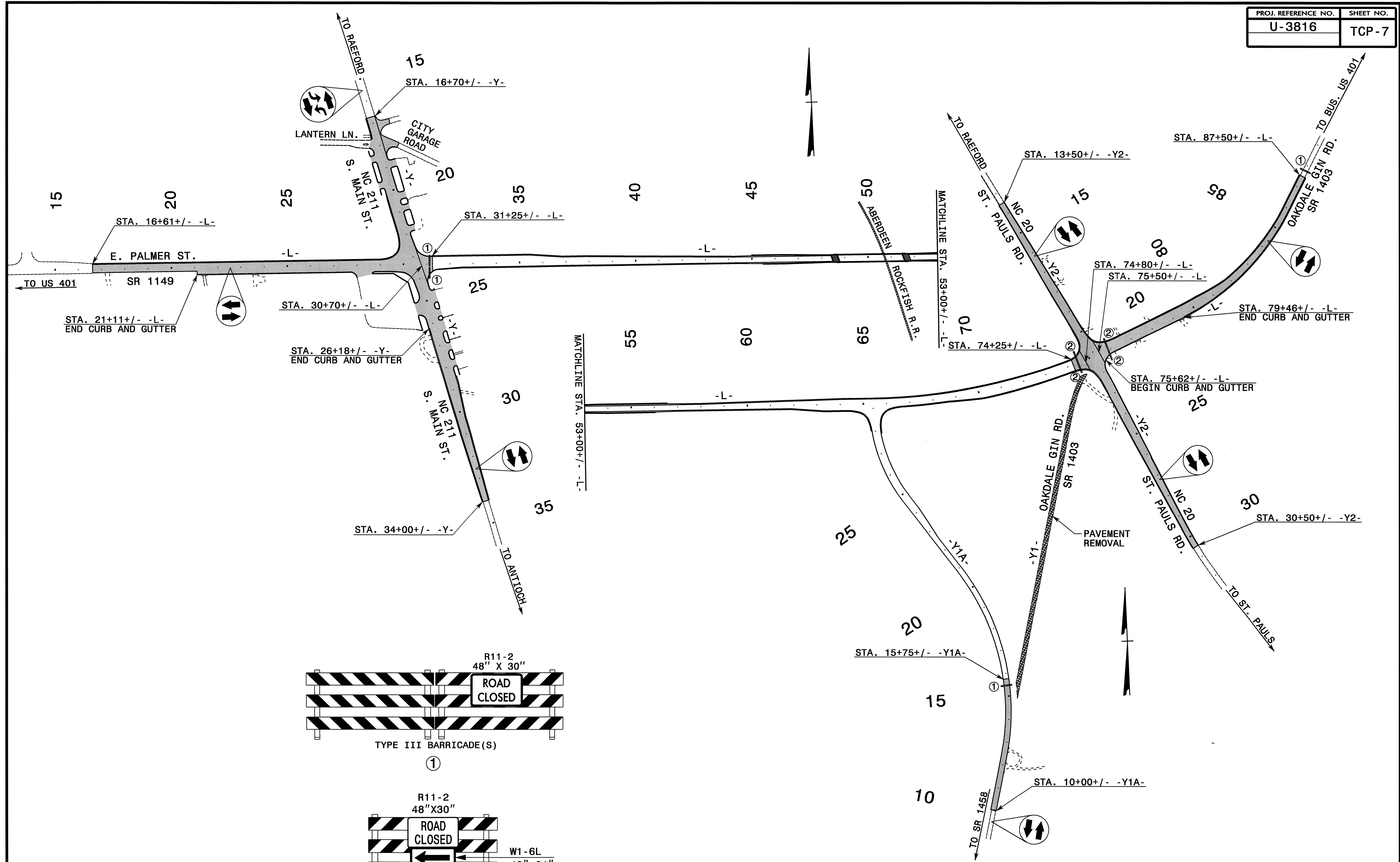
SEE TCP-6 FOR PHASE I TEMPORARY PAVEMENT MARKING SCHEDULE
SEE TCP-1 FOR TOTAL TEMPORARY PAVEMENT MARKING SCHEDULE


APPROVED: *Chad L. Lanford* DATE: 10/11/07



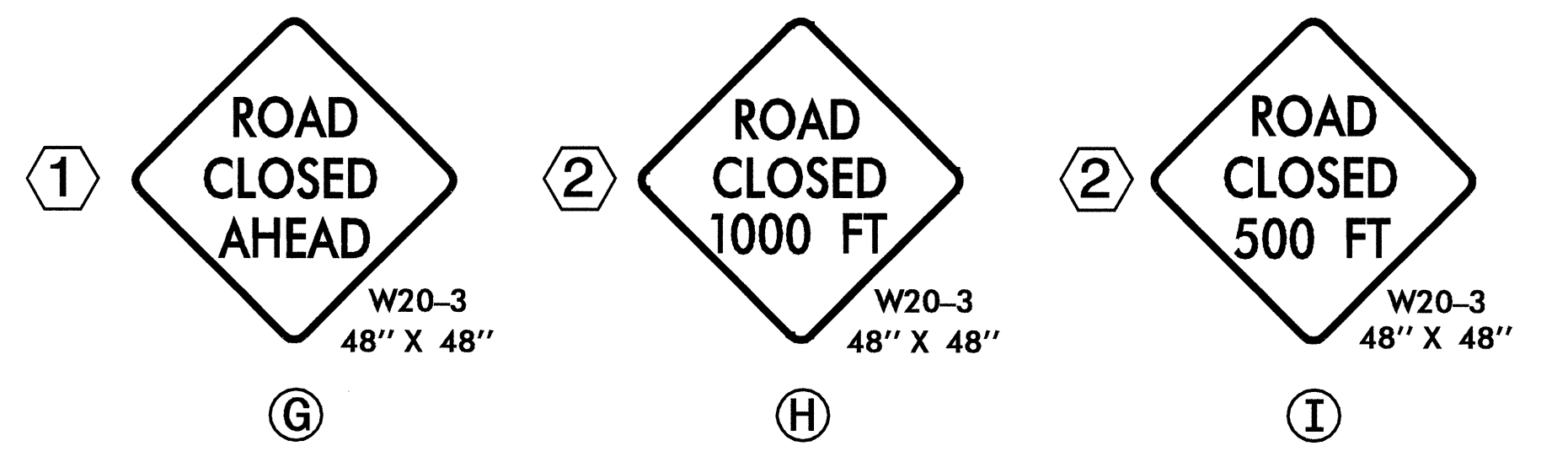
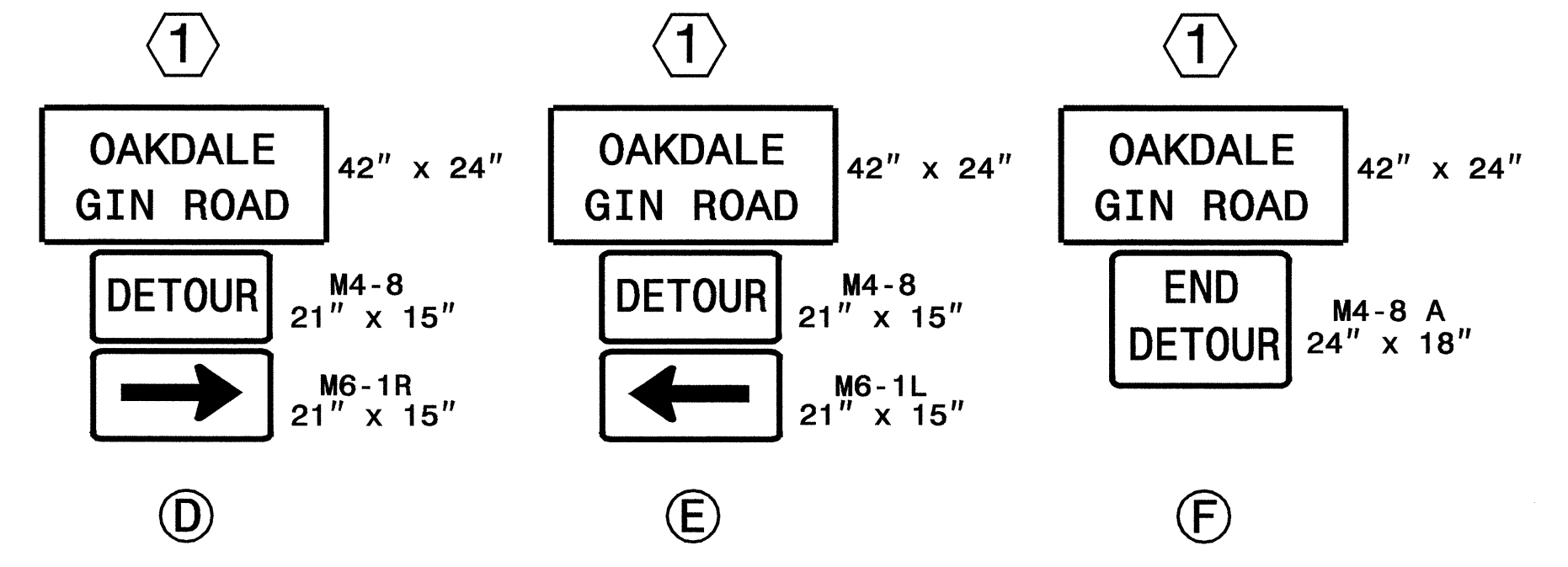
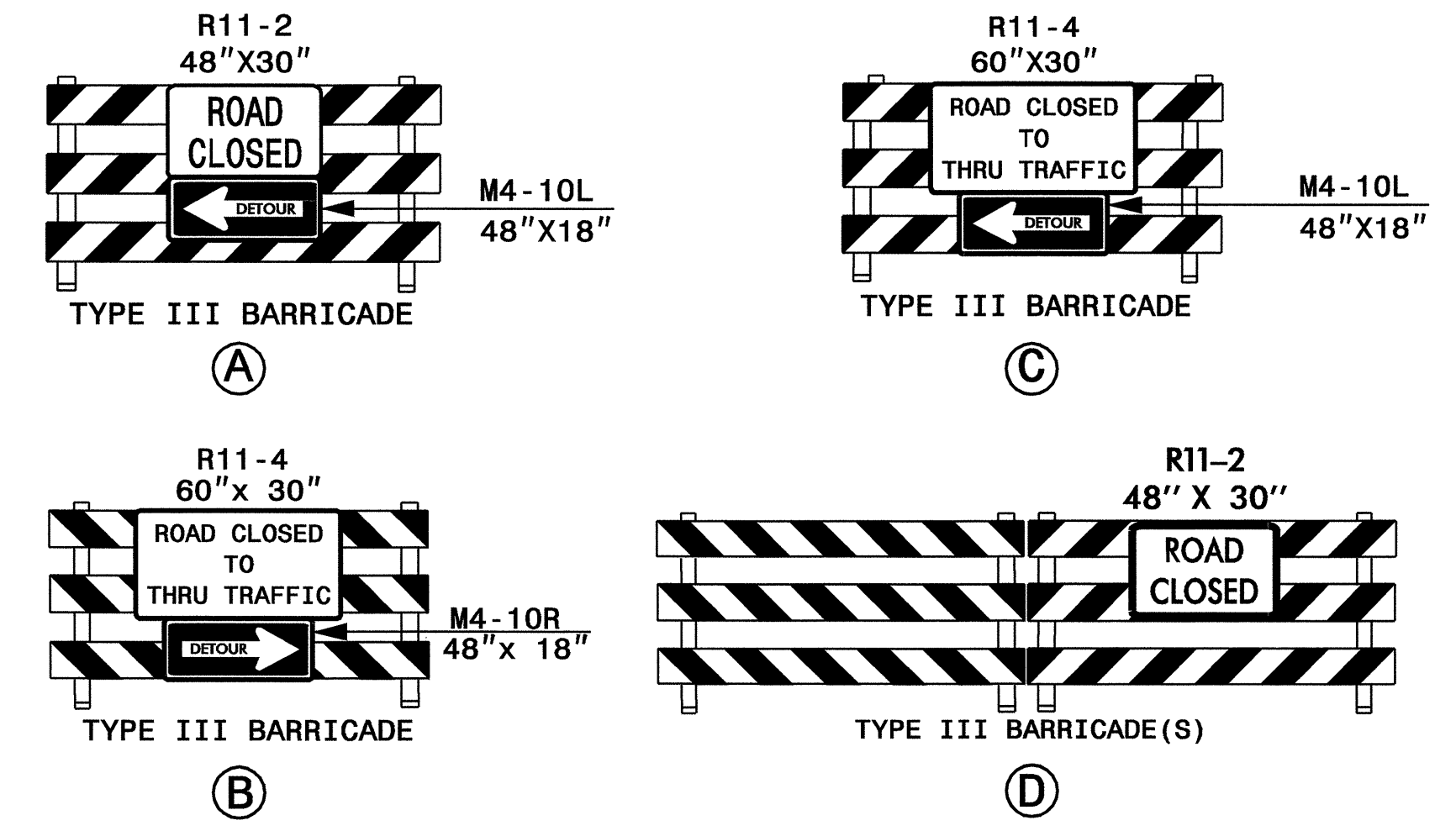
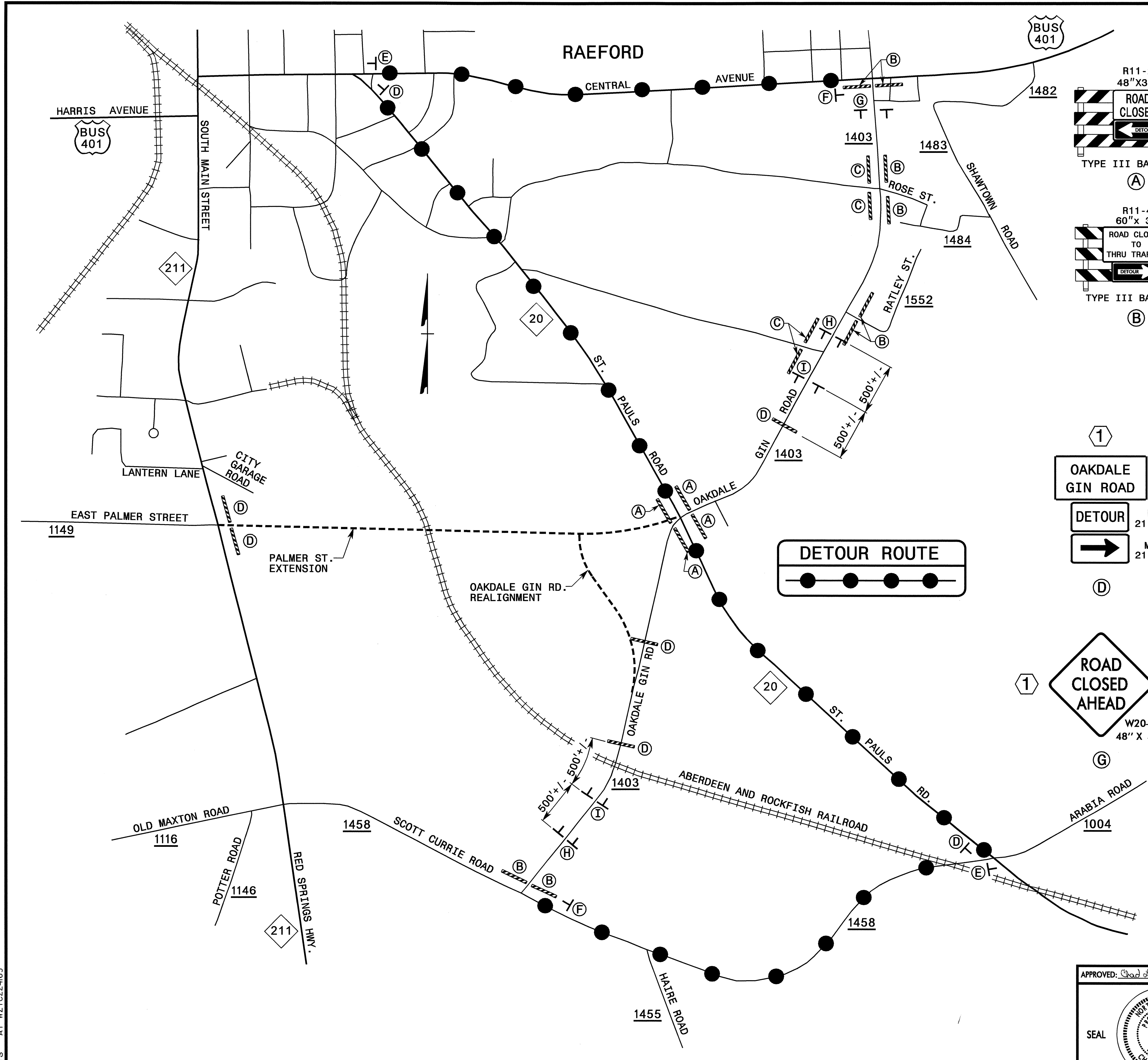
PHASE I DETAILS	
SCALE: 1" = 50'	REVISIONS
DATE: 08-27-07	
DWG. BY: SBC	
DESIGN BY: SBC	
REVIEWED BY: CLL	

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APPROVED: <i>David S. Sanford</i> DATE: 10/11/07 	PHASE II OVERVIEW									
	SCALE: 1" = 200' DATE: 08-27-07 DWG. BY: SBC DESIGN BY: SBC REVIEWED BY: CLL	<table border="1"> <thead> <tr> <th colspan="2">REVISIONS</th> </tr> </thead> <tbody> <tr> <td> </td> <td> </td> </tr> <tr> <td> </td> <td> </td> </tr> <tr> <td> </td> <td> </td> </tr> </tbody> </table>		REVISIONS						
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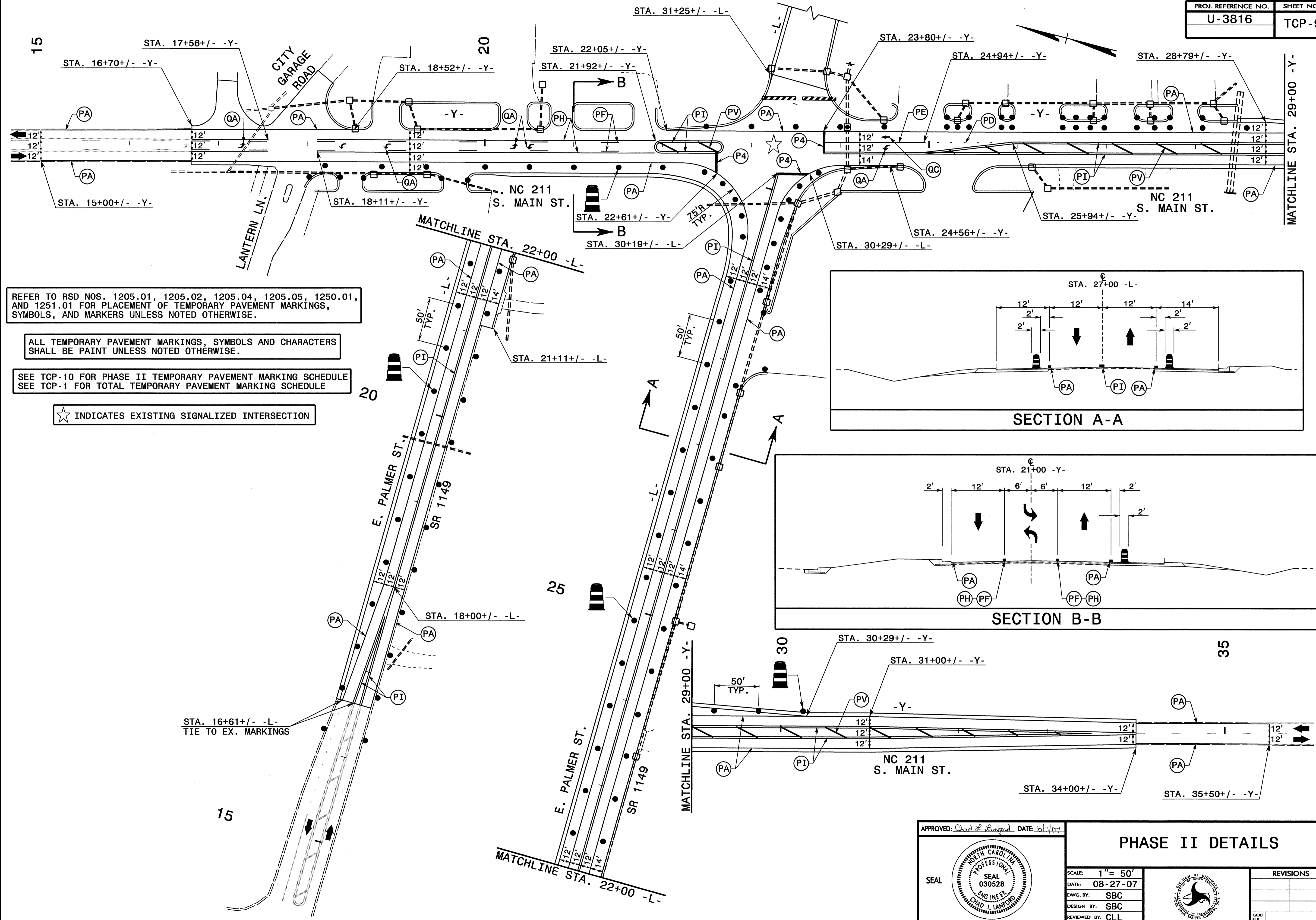
① STATIONARY SIGNS FURNISHED BY STATE FORCES
 ② STATIONARY SIGNS FURNISHED BY CONTRACTOR

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APPROVED: *Chad L. Lanford* DATE: 8/31/07

**PHASE II
OFFSITE DETOUR**

SCALE: 1" = 500'		REVISIONS
DATE: 08-27-07		
DWG. BY: SBC		
DESIGN BY: SBC		
REVIEWED BY: CLL		

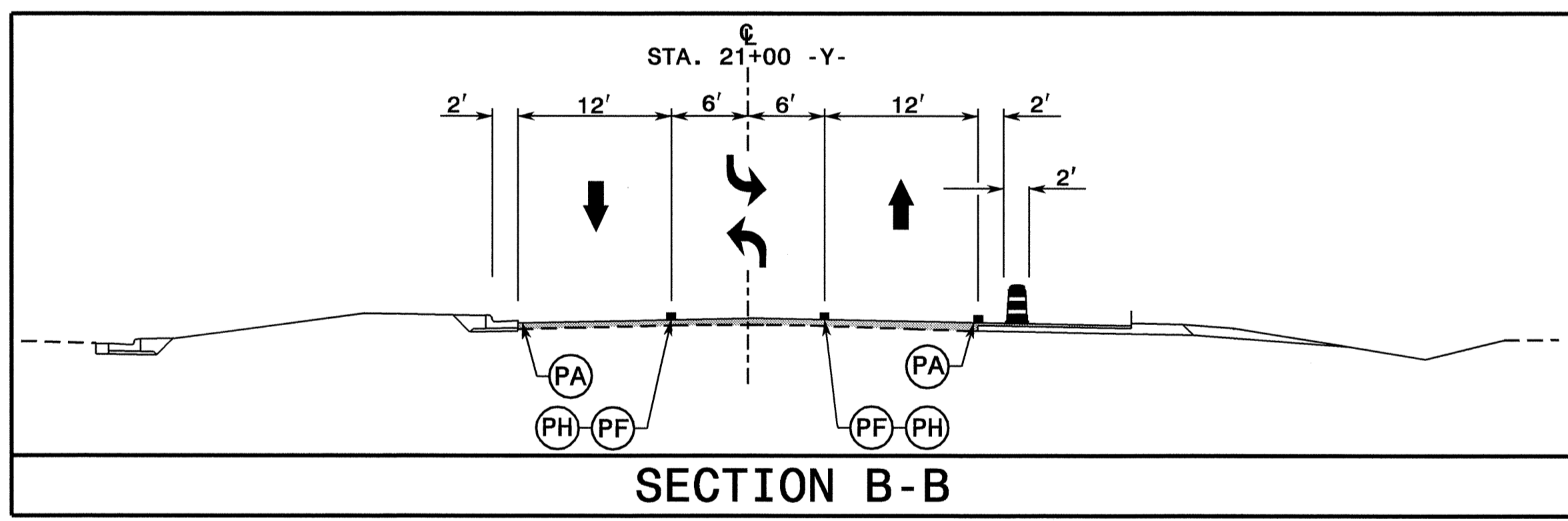
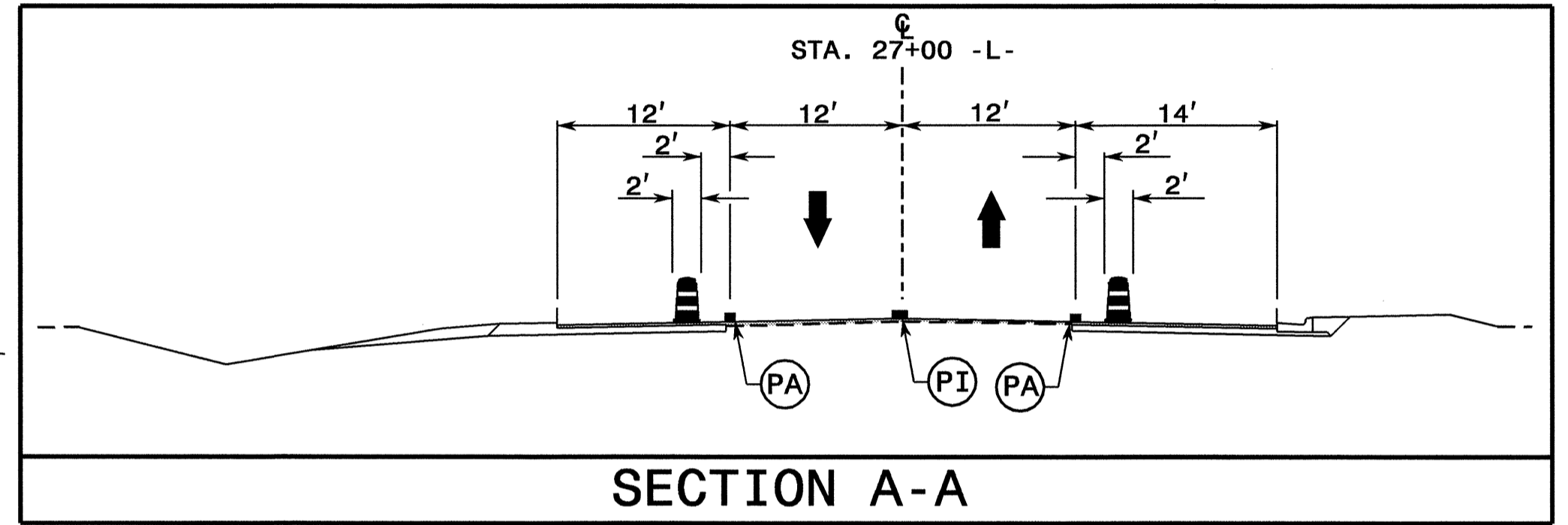


REFER TO RSD NOS. 1205.01, 1205.02, 1205.04, 1205.05, 1250.01, AND 1251.01 FOR PLACEMENT OF TEMPORARY PAVEMENT MARKINGS, SYMBOLS, AND MARKERS UNLESS NOTED OTHERWISE.

ALL TEMPORARY PAVEMENT MARKINGS, SYMBOLS AND CHARACTERS SHALL BE PAINT UNLESS NOTED OTHERWISE.

SEE TCP-10 FOR PHASE II TEMPORARY PAVEMENT MARKING SCHEDULE
SEE TCP-1 FOR TOTAL TEMPORARY PAVEMENT MARKING SCHEDULE

☆ INDICATES EXISTING SIGNALIZED INTERSECTION



APPROVED: *Chad L. Lanford* DATE: 10/1/07

SEAL

 CHAD L. LANFORD
 ENGINEER

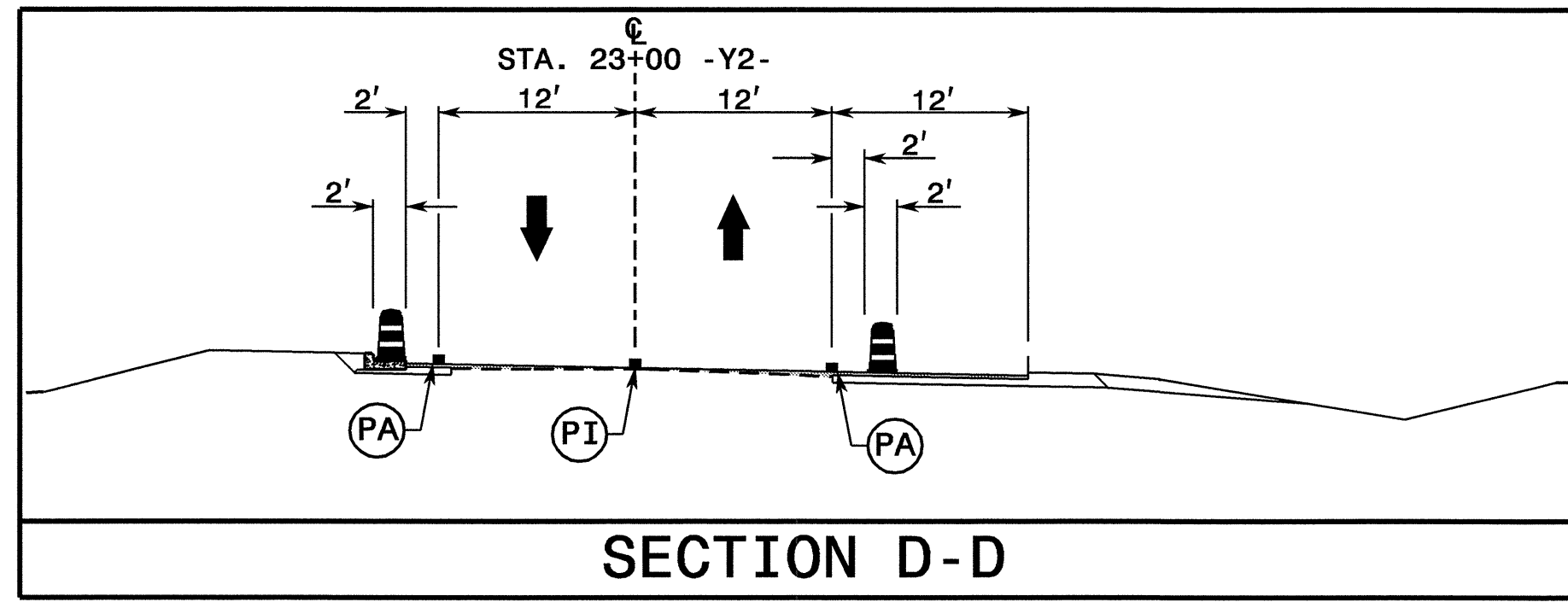
PHASE II DETAILS

SCALE: 1" = 50'
 DATE: 08-27-07
 DWG. BY: SBC
 DESIGN BY: SBC
 REVIEWED BY: CLL

REVISIONS

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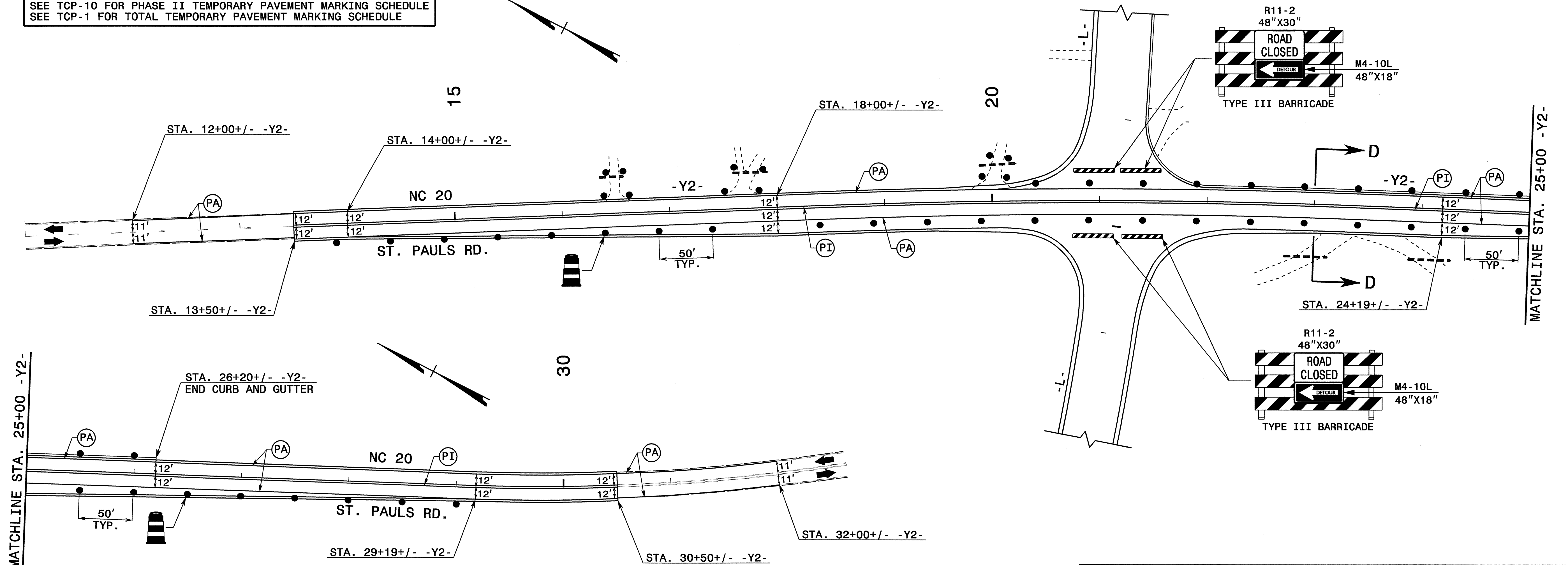
REFER TO RSD NOS. 1205.01, 1205.02, 1205.04, 1205.05, 1250.01, AND 1251.01 FOR PLACEMENT OF TEMPORARY PAVEMENT MARKINGS, SYMBOLS, AND MARKERS UNLESS NOTED OTHERWISE.

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SEE TCP-10 FOR PHASE II TEMPORARY PAVEMENT MARKING SCHEDULE
SEE TCP-1 FOR TOTAL TEMPORARY PAVEMENT MARKING SCHEDULE

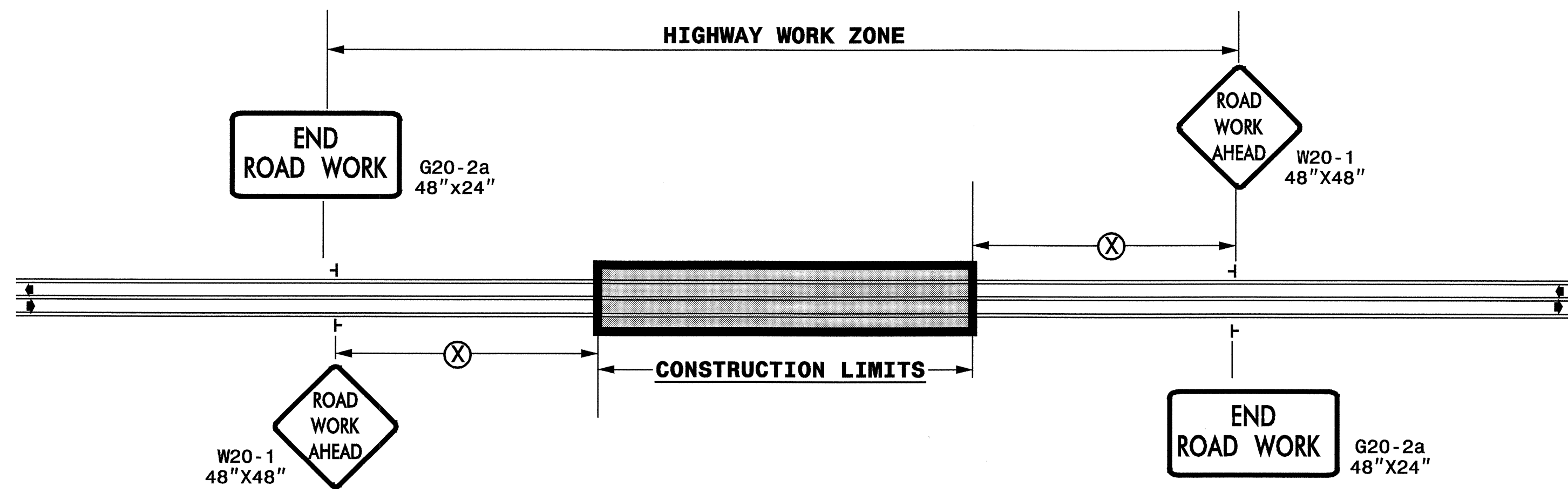
PHASE II TEMPORARY PAVEMENT MARKING SCHEDULE				
SYMBOL	DESCRIPTION	TEMPORARY PAVEMENT MARKINGS		TOTAL QUANTITY
		PAINT	QUANTITY	
PA	WHITE EDGELINE (1X)	PAINT (4")	10,224 L.F.	TOTAL 22,090 L.F.
PD	2 FT. WHITE MINISKIP (1X)		13 L.F.	
PE	WHITE SOLID LANE LINE (1X)		113 L.F.	
PF	10 FT. YELLOW SKIP (1X)		234 L.F.	
PH	YELLOW SINGLE CENTER (1X)		934 L.F.	
PI	YELLOW DOUBLE CENTER (1X)		10,572 L.F.	
PV	YELLOW DIAGONAL (1X)	PAINT (8")	412 L.F.	TOTAL 412 L.F.
P4	WHITE STOPBAR (1X)	PAINT (24")	84 L.F.	TOTAL 84 L.F.
		PAINT MARKING SYMBOLS		
QA	LEFT TURN ARROW (1X)		6 EA.	TOTAL 7 EA.
QC	STRAIGHT ARROW (1X)		1 EA.	
		MARKERS		
		TEMPORARY RAISED PAVEMENT MARKERS		
MH	YELLOW & YELLOW		151 EA.	TOTAL 161 EA.
MI	CRYSTAL & RED		10 EA.	

NOTE: FOR EACH PAINT PAVEMENT MARKING ITEM, 1X IMPLIES A SINGLE APPLICATION, 2X IMPLIES TWO APPLICATIONS, AND 3X IMPLIES THREE APPLICATIONS.



APPROVED: <i>Chad L. Lanford</i> DATE: 10/11/07	PHASE II DETAILS									
	SCALE: 1" = 50'	<table border="1"> <tr><th colspan="2">REVISIONS</th></tr> <tr><td> </td><td> </td></tr> <tr><td> </td><td> </td></tr> <tr><td> </td><td> </td></tr> </table>	REVISIONS							
	REVISIONS									
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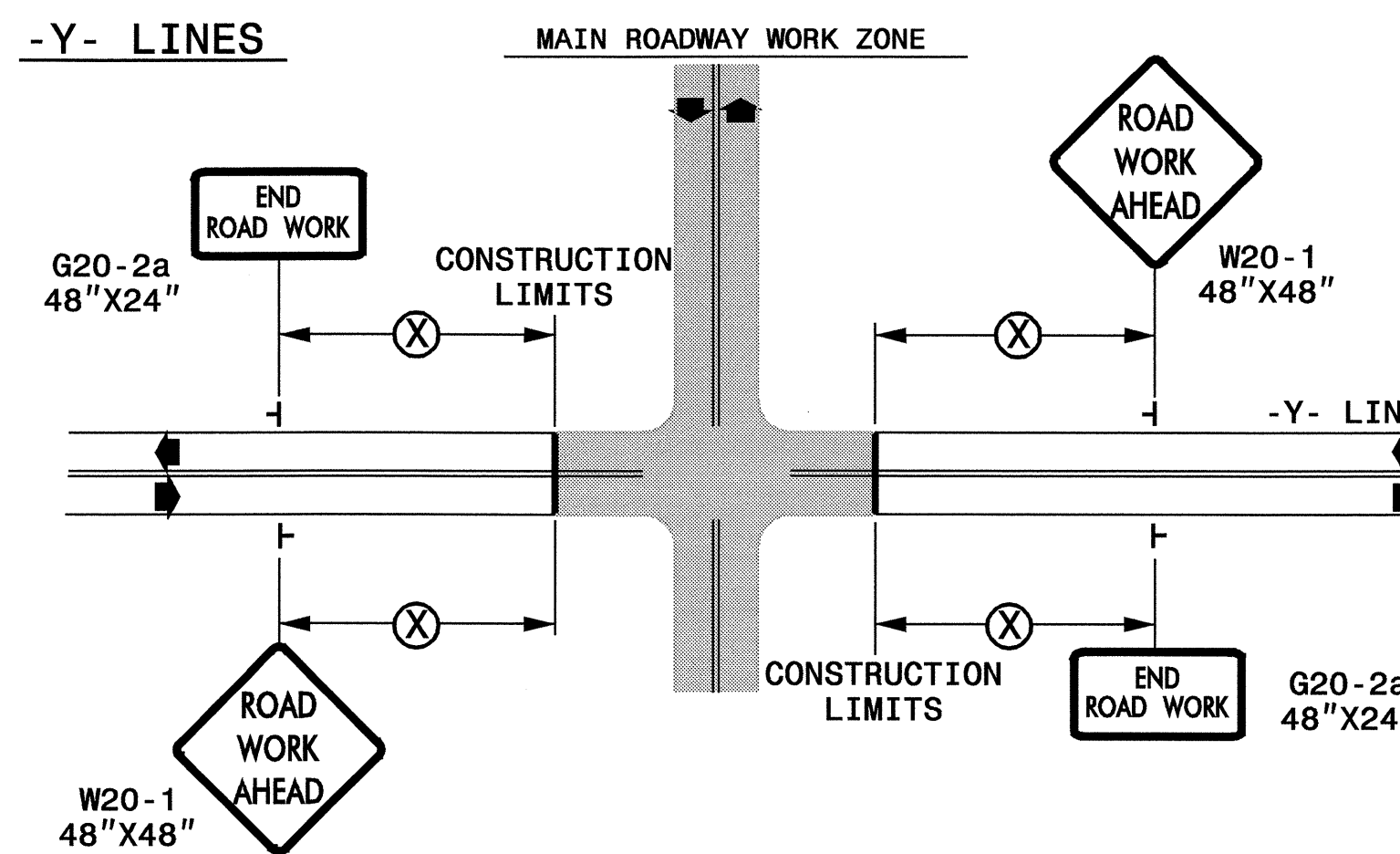
TWO-WAY UNDIVIDED ** (L-LINES)



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 ADVANCE 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: <i>Chad L. Lanford</i> DATE: 8/31/07	DETAIL DRAWING FOR TWO-WAY UNDIVIDED AND URBAN FREEWAYS ADVANCE WORK ZONE WARNING SIGNS	
	SCALE: NONE	REVISIONS
	DATE: 7-98	10/01
	DWG. BY:	10-98 03/04
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