

STATE OF NORTH CAROLINA  
DIVISION OF HIGHWAYS

STATE PROJECT REFERENCE NO.	SHEET NO.
37301	TCP - 1

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

SR 1419

TIP PROJECT: 37301

**ROADWAY STANDARD DRAWINGS**

THE FOLLOWING ROADWAY STANDARDS AS APPEAR IN "ROADWAY STANDARD DRAWINGS" - ROADWAY DESIGN 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
1101.06	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 PANELS
1130.01	DRUM
1135.01	CONES
1145.01	BARRICADES
1150.01	FLAGGERS
1160.01	TEMPORARY CRASH CUSHION
1165.01	TRUCK MOUNTED IMPACT ATTENUATOR
1170.01	PORTABLE CONCRETE BARRIER
1180.01	SKINNY DRUM
1205.01	PAVEMENT MARKINGS - LINE TYPES & OFFSETS
1205.02	PAVEMENT MARKINGS - 2 LANE & MULTILANE ROADWAYS
1205.03	PAVEMENT MARKINGS - INTERCHANGES
1205.04	PAVEMENT MARKINGS - INTERSECTIONS
1205.05	PAVEMENT MARKINGS - TURN LANES
1205.06	PAVEMENT MARKINGS - THRU LANE DROPS
1205.07	PAVEMENT MARKINGS - PEDESTRIAN CROSSWALKS
1205.08	PAVEMENT MARKINGS - SYMBOLS & 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
1250.01	PAVEMENT MARKER SPACING
1251.01	RAISED PAVEMENT MARKERS (TEMPORARY & PERMANENT)
1253.01	SNOWPLOWABLE RAISED PAVEMENT MARKERS
1261.01	GUARDRAIL & BARRIER DELINEATOR SPACING
1261.02	GUARDRAIL & BARRIER DELINEATOR TYPES
1262.01	GUARDRAIL END DELINEATION
1264.01	OBJECT MARKERS
1264.02	PLACEMENT OF OBJECT MARKERS
1267.01	FLEXIBLE DELINEATOR INSTALLATION
1267.02	FLEXIBLE DELINEATOR SPACING
1267.03	FLEXIBLE DELINEATOR-INTERCHANGES

**INDEX OF SHEETS**

SHEET NO.	TITLE
TCP-1	LIST OF APPLICABLE ROADWAY STANDARD DRAWINGS, LEGEND AND INDEX OF SHEETS
TCP - 2	PROJECT NOTES
TCP-3 THRU TCP-4	PHASE 1
TCP-5 THRU TCP-6	PHASE 2
TCP-7	MOVING OPERATION CARAVAN DRAWING NO. 6
( NCMA-1 )	DETAIL DRAWINGS FOR WORK ZONE SIGNS
PM - 1 THRU 2	FINAL PAVEMENT MARKING PLAN

**TEMPORARY PAVEMENT MARKING SCHEDULE**

SYMBOL	DESCRIPTION	QUANTITY BREAKDOWN	PAY ITEM	QUANTITY TOTAL
PA	WHITE EDGELINE 2X	9020 L.F.	4" PAINT	
PI	YELLOW DOUBLE CENTER LINE 2X	20720 L.F.	4" PAINT	29740 L.F.
MH	YELLOW AND YELLOW	45 EA	TEMPORARY RAISED PVMT MARKERS	45 EA

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

**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)
  - TYPE 'B' WARNING LIGHT
  - 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
  - PART TIME WORK AREA

28-JUN-2006 14:37 \\d3cod208484\rdy\mov\ng\_ahead\sr1419\_mal3022r\sr1419\_ddc\_tcp\_tsh.dgn

APPROVED: <i>Kenneth A. Wilson</i> DATE: 6-28-06	PLAN PREPARED BY: DIVISION 13, DDC UNIT
SEAL 	_____ TRAFFIC CONTROL ENGINEER
	_____ TRAFFIC CONTROL PROJECT ENGINEER
	_____ TRAFFIC CONTROL PROJECT DESIGN ENGINEER
	_____ TRAFFIC CONTROL DESIGN ENGINEER / TECHNICIAN

# PROJECT NOTES

PROJ. REFERENCE NO.	SHEET NO.
37301	TCP - 2

## GENERAL NOTES

## LOCAL NOTES

**General Notes**

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 UNDESIRE OVERLAPPING OF DEVICES. MODIFICATION MAY INCLUDE: MOVING, SUPPLEMENTING, COVERING OR REMOVAL OF DEVICES.

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.

**TIME RESTRICTIONS**

**A DO NOT CLOSE OR NARROW TRAVEL LANES AS FOLLOWS:**

ROAD NAME	DAY AND TIME RESTRICTIONS
1.BOST ROAD SR 1419 AND Y-LINES	MONDAY THRU FRIDAY 7:00 AM TO 9:00 AM AND FROM 4:00 PM TO 6:00 PM.

**B DO NOT CLOSE OR NARROW TRAVEL LANES DURING HOLIDAYS AND SPECIAL EVENTS AS FOLLOWS:**

**ROAD NAME**

1.BOST ROAD SR 1419 AND Y-LINES

**HOLIDAY**

1. FOR ANY EVENT THAT CREATES UNUSUALLY HIGH TRAFFIC VOLUMES, AS DIRECTED BY THE ENGINEER.
2. FOR NEW YEAR'S, BETWEEN THE HOURS OF 4:00 P.M. DECEMBER 31ST TO 9:00 A.M. JANUARY 2ND. IF NEW YEAR'S DAY IS ON A SATURDAY OR A SUNDAY, THEN UNTIL 9:00 A.M. THE FOLLOWING TUESDAY.
3. FOR EASTER, BETWEEN THE HOURS OF 4:00 P.M. THURSDAY AND 9:00 A.M. MONDAY.
4. FOR MEMORIAL DAY, BETWEEN THE HOURS OF 4:00 P.M. FRIDAY TO 9:00 A.M. TUESDAY.
5. FOR INDEPENDENCE DAY, BETWEEN THE HOURS OF 4:00 P.M. THE DAY BEFORE INDEPENDENCE DAY AND 9:00 A.M. THE DAY AFTER INDEPENDENCE DAY.  
  
IF INDEPENDENCE DAY IS ON A SATURDAY OR SUNDAY, THEN BETWEEN THE HOURS OF 4:00 P.M. THE THURSDAY BEFORE INDEPENDENCE DAY AND 9:00 A.M. THE TUESDAY AFTER INDEPENDENCE DAY.
6. FOR LABOR DAY, BETWEEN THE HOURS OF 4:00 P.M. FRIDAY TO 9:00 A.M. TUESDAY.
7. FOR THANKSGIVING, BETWEEN THE HOURS OF 4:00 P.M. TUESDAY TO 9:00 A.M. MONDAY.
8. FOR CHRISTMAS, BETWEEN THE HOURS OF 4:00 P.M. THE FRIDAY BEFORE THE WEEK OF CHRISTMAS DAY AND 9:00 A.M. THE FOLLOWING MONDAY AFTER THE WEEK OF CHRISTMAS.
9. FOR (SPECIAL EVENT), BETWEEN THE HOURS OF (TIME) A.M. THE (DAY) OF THE WEEK OF THE (SPECIAL EVENT) AND (TIME) A.M. THE FOLLOWING (DAY) AFTER THE WEEK OF THE (SPECIAL EVENT).  
*And/Or*  
FOR (SPECIAL EVENT) OCCURRING AT (LOCATION), BETWEEN (NUMBER) HOURS BEFORE THE START AND (NUMBER) HOURS AFTER THE END OF THE (SPECIAL EVENT).

**C DO NOT STOP TRAFFIC FOR MORE THAN 20 MINUTES AS FOLLOWS:**

ROAD NAME	OPERATION
1.BOST ROAD SR 1419 AND Y-LINES	ALL ALL

**D DO NOT CONDUCT SINGLE VEHICLE HAULING AS FOLLOWS; INGRESS AND EGRESS FROM Y-LINES WILL NOT BE ALLOWED:**

ROAD NAME	DAY AND TIME RESTRICTIONS
1.BOST ROAD SR 1419 AND Y-LINES	7:00 A.M. TO 9:00 A.M. AND 4:00 P.M. TO 6:00 P.M.

**E DO NOT CONDUCT ANY HAULING OPERATIONS AGAINST THE FLOW OF TRAFFIC OF AN OPEN TRAVELWAY UNLESS THE WORK AREA IS PROTECTED BY BARRIER OR GUARDRAIL OR OTHERWISE DIRECTED BY THE ENGINEER.**

**LANE AND SHOULDER CLOSURE REQUIREMENTS**

- F 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.
- G 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.
- H DO NOT WORK SIMULTANEOUSLY, ON BOTH SIDES OF AN OPEN TRAVELWAY, WITHIN THE SAME LOCATION, ON A TWO-LANE, TWO-WAY ROAD.
- I 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.
- J DO NOT INSTALL MORE THAN ¼ MILES OF LANE CLOSURE ON BOST ROAD, MEASURED FROM THE BEGINNING OF THE MERGE TAPER TO THE END OF THE LANE CLOSURE.  
  
DO NOT INSTALL MORE THAN ONE LANE CLOSURE, IN ANY ONE DIRECTION, ON BOST ROAD SR 1419.

**PAVEMENT EDGE DROP OFF REQUIREMENTS**

- K 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.
- L DO NOT EXCEED A DIFFERENCE OF 1.5 inches IN ELEVATION BETWEEN OPEN LANES OF TRAFFIC. INSTALL ADVANCE WARNING "UNEVEN LANES" SIGNS (W8-11) 500 FT IN ADVANCE AND A MINIMUM OF ONCE EVERY MILE THROUGHOUT THE UNEVEN AREA.

**TRAFFIC PATTERN ALTERATIONS**

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

**SIGNING**

- N INSTALL ADVANCE WORK ZONE WARNING SIGNS WHEN WORK IS WITHIN 100 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.
- O STATE FORCES WILL BE RESPONSIBLE FOR PERMANENT SIGNING.
- P ENSURE ALL NECESSARY SIGNING IS IN PLACE PRIOR TO ALTERING ANY TRAFFIC PATTERN.
- Q INSTALL BLACK ON ORANGE "DIP" SIGNS (W8-2) 500 FT IN ADVANCE OF THE UNEVEN AREA.
- R INSTALL BLACK ON ORANGE "BUMP" SIGNS (W8-1) 500 FT IN ADVANCE OF THE UNEVEN AREA.

**TRAFFIC BARRIER**

- S INSTALL AND SPACE DRUMS NO GREATER THAN TWICE THE POSTED SPEED LIMIT (MPH) TO CLOSE OR KEEP CLOSED THE SECTION OF THE ROADWAY UNTIL THE BARRIER CAN BE PLACED OR AFTER BARRIER IS REMOVED.

**TRAFFIC CONTROL DEVICES**

- T WHEN USING ROADWAY STANDARD NO. 1101.02, CONES MAY BE USED IN LIEU OF DRUMS ON BOST ROAD SR 1419 AND Y-LINES.
- U SPACE CHANNELIZING DEVICES IN WORK AREAS NO GREATER THAN TWICE THE POSTED SPEED LIMIT (45 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.
- V PLACE SETS OF THREE DRUMS PERPENDICULAR TO THE EDGE OF THE TRAVELWAY ON 500 FT CENTERS WHEN UNOPENED LANES ARE CLOSED TO TRAFFIC. THESE DRUMS SHALL BE IN ADDITION TO CHANNELIZING DEVICES.

**PAVEMENT MARKINGS AND MARKERS**

**W INSTALL PAVEMENT MARKINGS AND PAVEMENT MARKERS ON THE FINAL SURFACE AS FOLLOWS:**

ROAD NAME	MARKING	MARKER
1.BOST ROAD SR 1419	THERMOPLASTIC	SNOWPLOWABLE
2.LOST CORNER RDSR 1421	THERMOPLASTIC	NONE

**X INSTALL TEMPORARY PAVEMENT MARKINGS AND TEMPORARY PAVEMENT MARKERS ON INTERIM LAYERS OF PAVEMENT AS FOLLOWS:**

ROAD NAME	MARKING	MARKER
1. BOST ROAD SR 1419	PAINT	RAISED
2. LOST CORNER RDSR 1421	PAINT	NONE

**Y TIE PROPOSED PAVEMENT MARKING LINES TO EXISTING PAVEMENT MARKING LINES.**

**Z REPLACE ANY PAVEMENT MARKINGS THAT HAVE BEEN DAMAGED BY THE END OF EACH DAY'S OPERATION.**

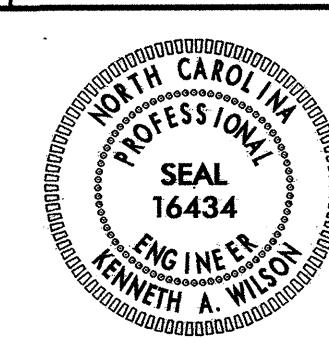
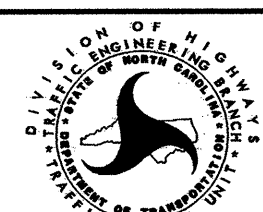
**AA TRACE THE EDGE OF PROPOSED MONOLITHIC ISLANDS WITH THE PROPER COLOR PAVEMENT MARKING PRIOR TO INSTALLATION OF A PROPOSED MONOLITHIC ISLAND.**

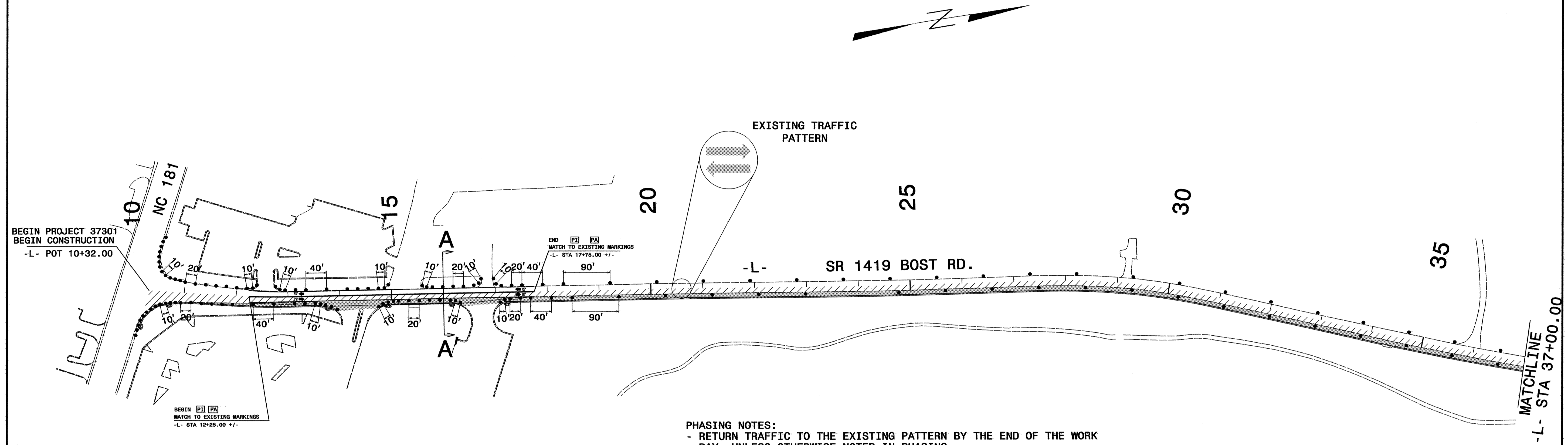
**BB PLACE AT LEAST TWO APPLICATIONS OF PAINT ON NEW ASPHALT WITH TEMPORARY TRAFFIC PATTERNS WHICH WILL REMAIN IN PLACE OVER THREE (3) MONTHS. PLACE ADDITIONAL APPLICATIONS OF PAINT UPON SUFFICIENT DRYING TIME, AS DETERMINED BY THE ENGINEER.**

**MISCELLANEOUS**

**CC IN THE EVENT A TIE-IN CANNOT BE MADE IN ONE DAYS TIME, BRING THE TIE-IN AREA TO AN APPROPRIATE ROADWAY ELEVATION, AS DETERMINED BY THE ENGINEER. PLACE BLACK ON ORANGE "LOOSE GRAVEL" SIGNS (W8-7) AND BLACK ON ORANGE "PAVEMENT ENDS" SIGNS (W8-3) 500 FT (150m) AND 1000 FT (300m) RESPECTIVELY IN ADVANCE OF THE UNEVEN AREAS. USE DRUMS TO DELINEATE THE EDGE OF ROADWAY ALONG UNPAVED AREAS.**

26-JUN-2006 12:16  
\\cis3cod208484\dx\moving\_ahead\sr1419\_mai3022\sr1419\_dac\_top\_tsh.dgn  
AT D:\3C\20226332

APPROVED <i>[Signature]</i> DATE: 6-26-06  SEAL 	<h2 style="margin: 0;">PROJECT NOTES</h2>	REVISIONS <table border="1" style="width: 100%; border-collapse: collapse;"> <tr><td> </td><td> </td></tr> <tr><td> </td><td> </td></tr> <tr><td> </td><td> </td></tr> <tr><td> </td><td> </td></tr> </table>								
SCALE: NONE DATE: 1-8-04 DWG. BY: MKP DESIGN BY: REVIEWED BY:		CAD FILE								



BEGIN PROJECT 37301  
 BEGIN CONSTRUCTION  
 -L- POT 10+32.00

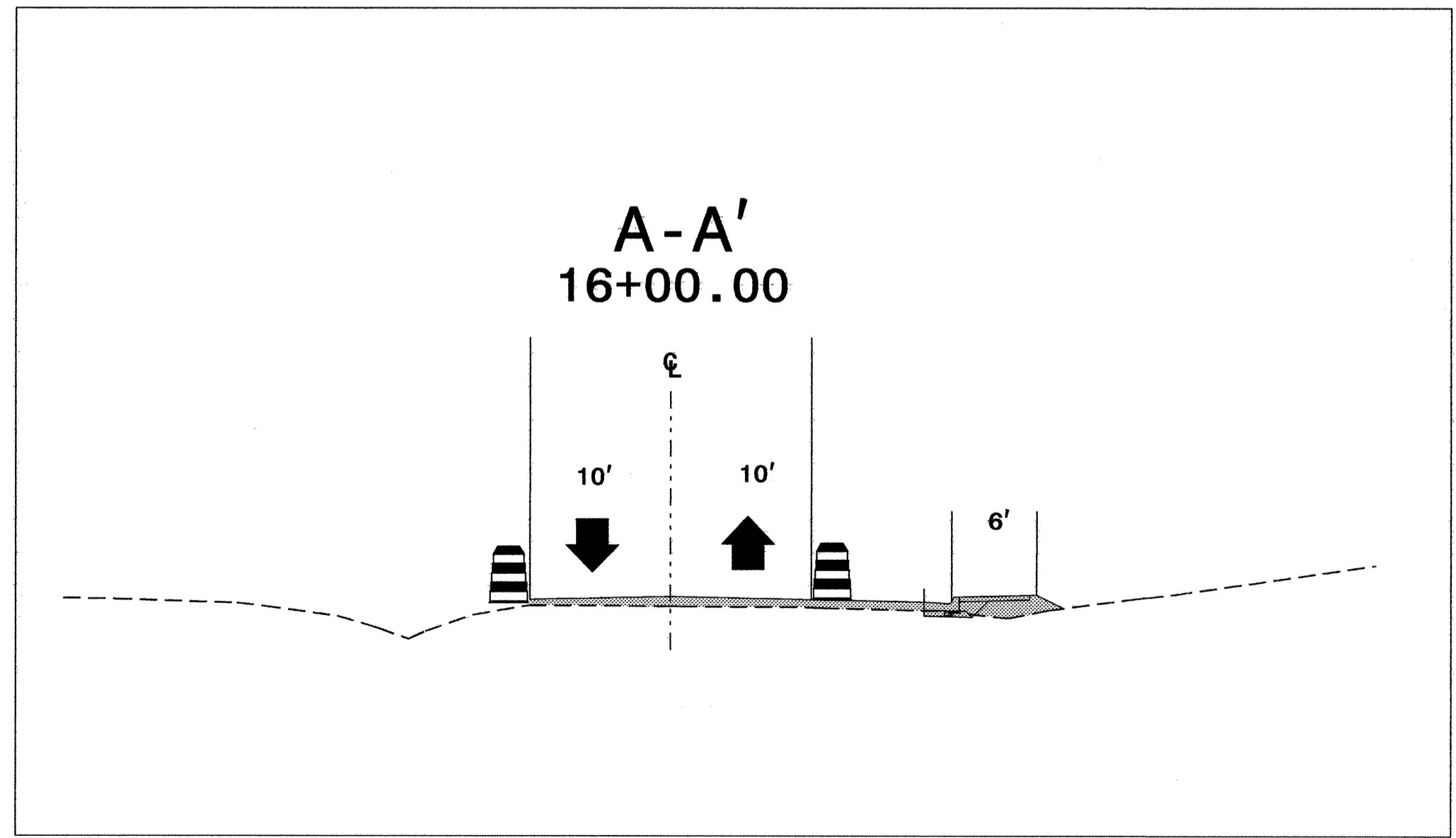
BEGIN [P] [FA]  
 MATCH TO EXISTING MARKINGS  
 -L- STA 12+25.00 +/-

END [P] [FA]  
 MATCH TO EXISTING MARKINGS  
 -L- STA 17+75.00 +/-

MATCHLINE  
 -L- STA 37+00.00

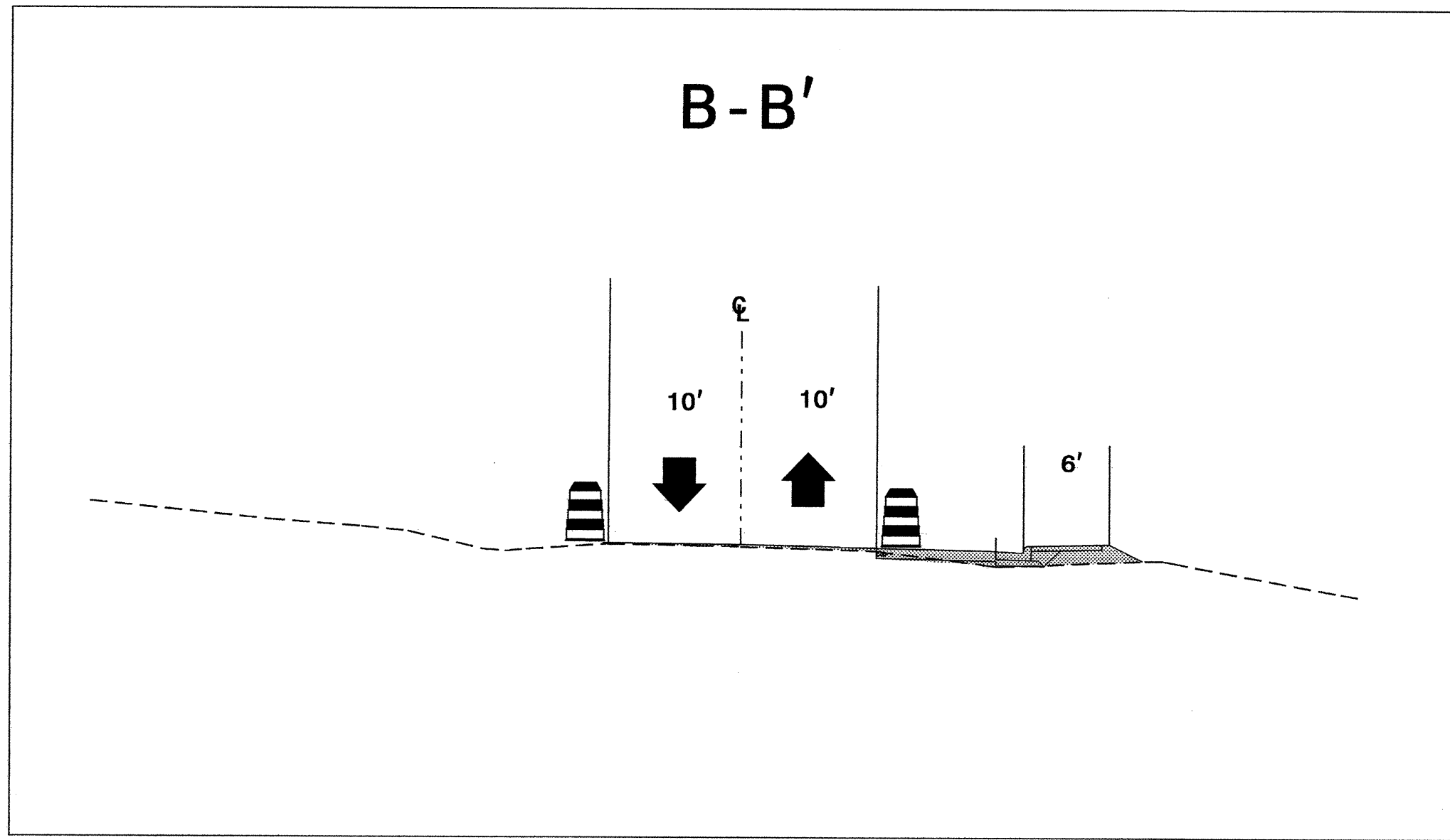
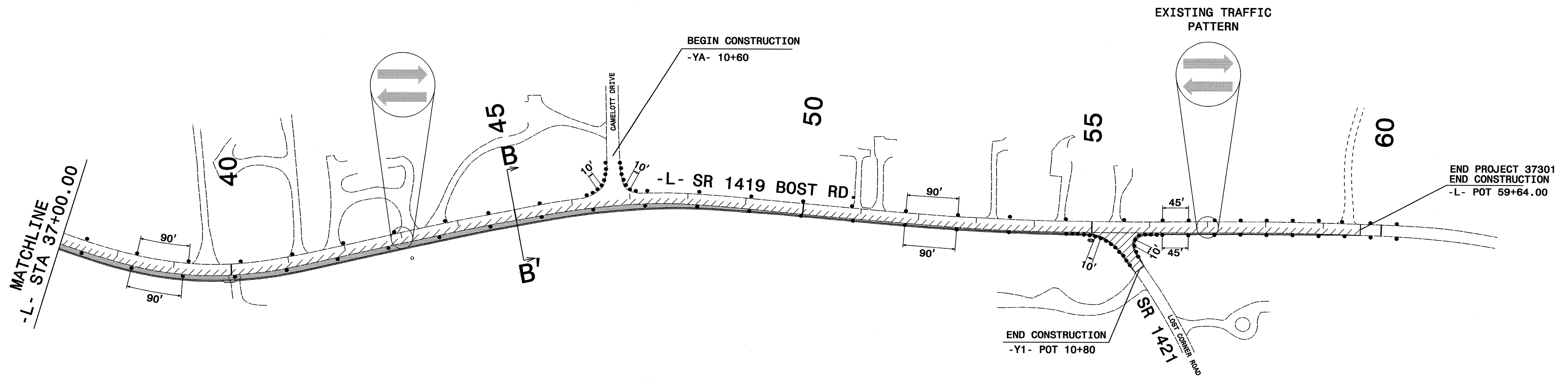
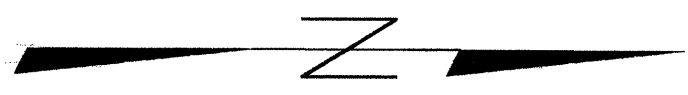
**PHASING NOTES:**  
 - RETURN TRAFFIC TO THE EXISTING PATTERN BY THE END OF THE WORK DAY, UNLESS OTHERWISE NOTED IN PHASING.  
 - MAINTAIN TRAFFIC IN A TWO LANE TWO WAY WITH A MINIMUM 9.5' - 10' WIDE LANES UNLESS OTHERWISE NOTED IN PHASING.

- PHASING**
- PHASE I**
- STEP 1:** INSTALL ADVANCE WARNING SIGNS ON BOST ROAD SR 1419 (L) N.C.181 (Y), CAMELOT DRIVE (YA), AND LOST CORNER ROAD SR 1421 (Y1). (SEE SHEET NCMA-1).
- STEP 2:** USING RSD 1101.02 SHEET 1 OF 7, BEGIN CONSTRUCTION OF THE FOLLOWING: (SEE SHEET TCP-3 AND TCP-4)  
 PLACE ALL DRAINAGE THAT CROSSES -L- FROM STA. 10+00 TO STA. 59+64.00 -L-. BEGIN PROPOSED WIDENING OF THE RT. SIDE OF ROADWAY FROM STA 10+00 TO STA 59+64.00 -L- AND STA. 10+17.5 TO STA 10+80 LEFT AND RT -Y1- UP TO BUT NOT INCLUDING THE FINAL LAYER OF SURFACE COURSE ALSO INCLUDING DRAINAGE AND CONCRETE CURB AND GUTTER.
- STEP 3:** UPON COMPLETION OF RT. SIDE OF WIDENING AND LT. AND RT. -Y1- USE RSD 1101.02 SHEET 1 OF 7 INSTALL TEMPORARY PAVEMENT MARKINGS (PAINT) AND MARKERS (RAISED) FOR TEMPORARY PATTERN 1 AND SHIFT TRAFFIC PATTERN FROM EXISTING TO TEMPORARY PATTERN 1 AS SHOWN ON SHEETS TCP-5 AND 6.



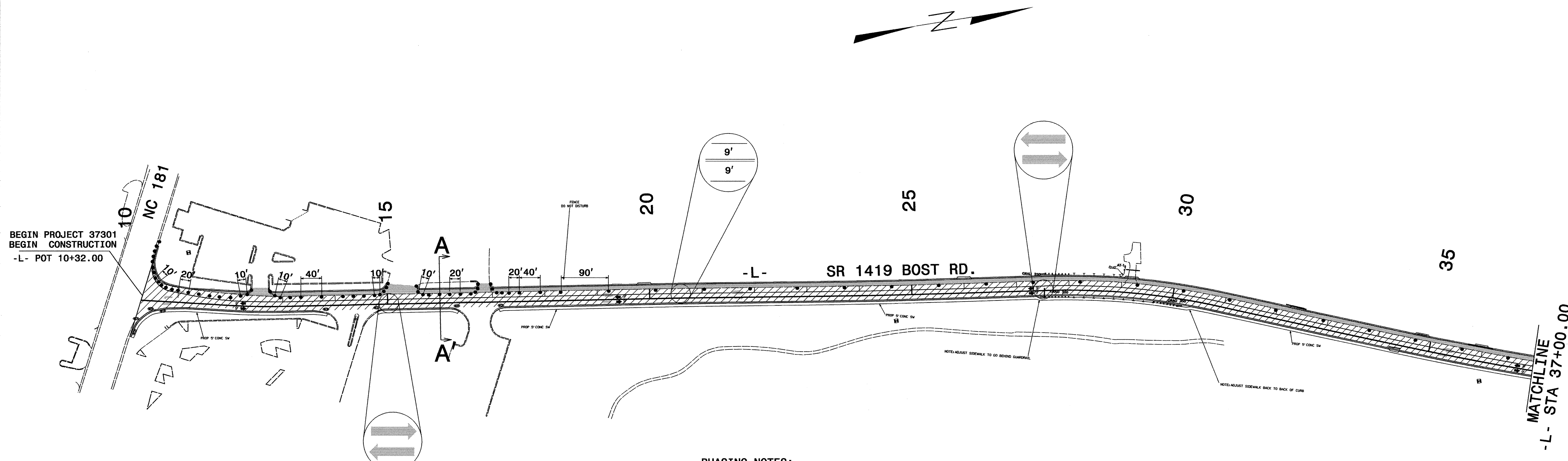
23-JUN-2006 14:39  
 \\dfs0208\208484\p\dy\moving\_ahead\sr1419\_mai3022r\sr1419\_ddc\_tcp\_sh3.dgn  
 AT D:\3CAD\226332

APPROVED <i>[Signature]</i> DATE: 6-21-06	<b>PHASE I OVERVIEW</b>							
	SCALE: NONE							
	DATE: 1-08-04							
	DESIGN BY: RCB							
	REVIEWED BY:							
		<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> </tbody> </table>	REVISIONS					
REVISIONS								



23-JUN-2006 14:45  
 \\dl3cad208484\rdy\moving\_dhead\sr1419\_mai3022r\sr1419\_ddc\_tcp\_sh4.dgn  
 P1111 AT DISCAD226332

APPROVED <i>[Signature]</i> DATE: 6-26-04		<b>PHASE I OVERVIEW</b>	
SEAL 	SCALE: NONE		REVISIONS
	DATE: 1-08-04		
	DWG. BY: MKP		
	DESIGN BY:		
REVIEWED BY:			

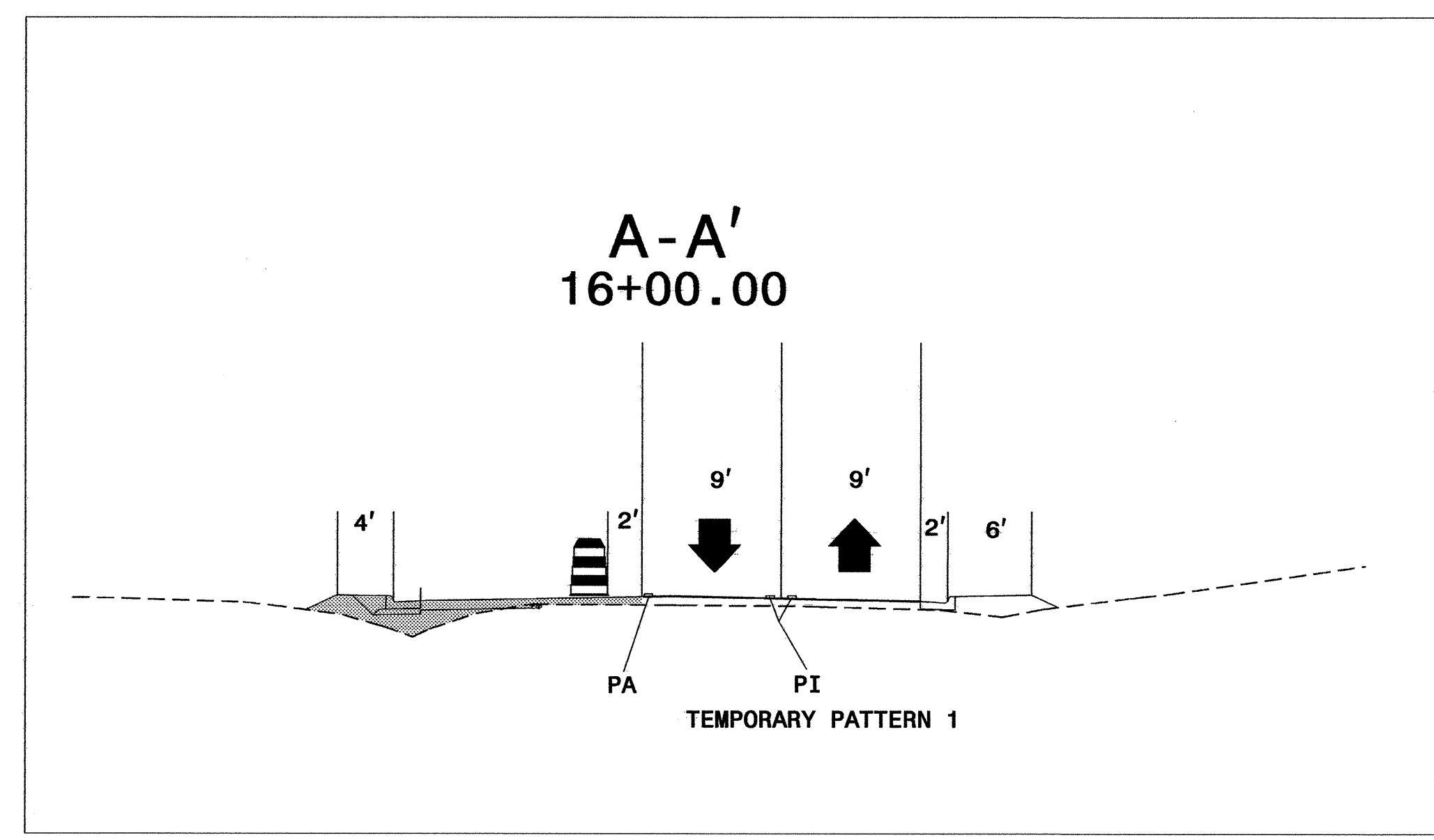


BEGIN PROJECT 37301  
 BEGIN CONSTRUCTION  
 -L- POT 10+32.00

MATCHLINE  
 -L- STA 37+00.00

**PHASING NOTES:**  
 - RETURN TRAFFIC TO THE EXISTING PATTERN BY THE END OF THE WORK DAY, UNLESS OTHERWISE NOTED IN PHASING.  
 - MAINTAIN TRAFFIC IN A TWO LANE TWO WAY WITH A MINIMUM 9' WIDE LANES UNLESS OTHERWISE NOTED IN PHASING.

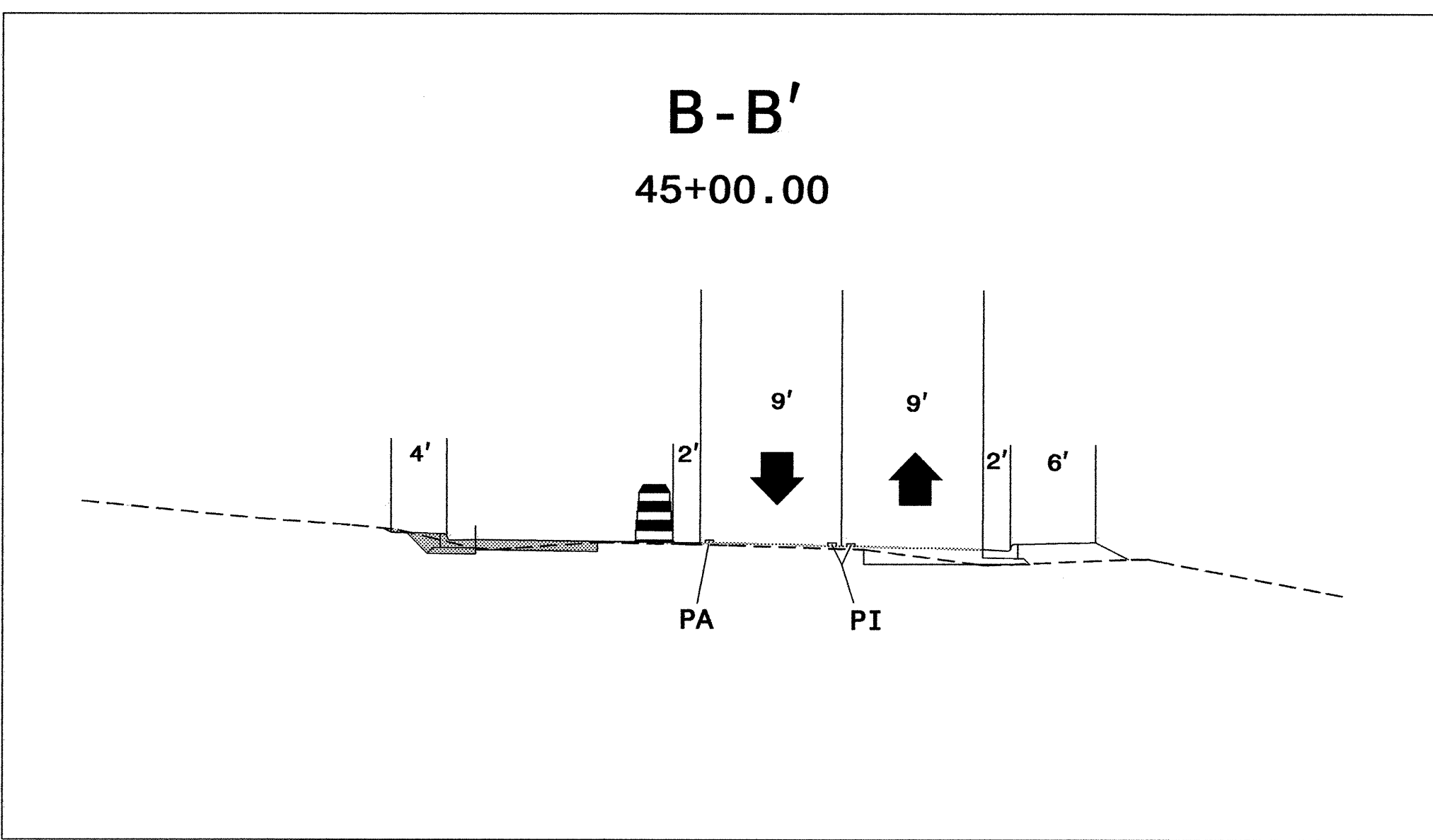
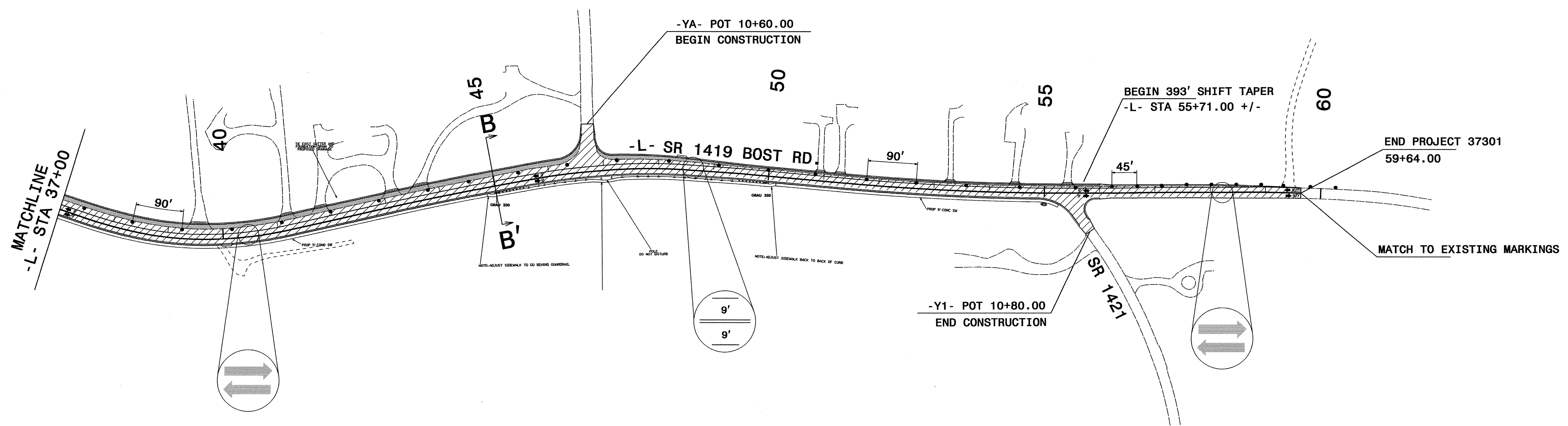
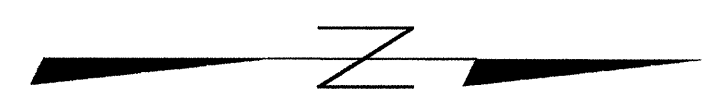
- PHASING**
- PHASE II**
- STEP 1:** USING RSD 1101.02 SHEET 1 OF 7, BEGIN CONSTRUCTION OF THE FOLLOWING: (SEE SHEET TCP-5 AND TCP-6)  
 BEGIN PROPOSED WIDENING OF THE LT. SIDE OF (BOST RD) SR 1419  
 -L- FROM STA. 10+00 TO STA. 59+64.00 -L- AND -YA- STA. 10+60.00 TO STA. 11+19 LEFT AND RIGHT -YA- UP TO BUT NOT INCLUDING THE FINAL LAYER OF SURFACE COURSE ALSO INCLUDING DRAINAGE AND CONCRETE CURB AND GUTTER.
- STEP 2:** USING RSD 1101.02 SHEET 1 OF 7, COMPLETE CONSTRUCTION OF THE FINAL LAYER OF SURFACE COURSE TYPE S9.5B ON -L-, -YA-, AND -Y1-.
- STEP 3:** USING RSD 1101.02 SHEET 1 OF 7 PLACE THE FINAL PAVEMENT MARKINGS ACCORDING TO SHEETS PM-1 AND PM-2. REMOVE ANY REMAINING TRAFFIC CONTROL DEVICES.



NOTES: TEMPORARY MARKINGS SHOWN ARE FOR TEMPORARY PATTERN 1

APPROVED: <i>Kenneth A. Wilson</i> DATE: 6-26-04	<b>PHASE II OVERVIEW</b>										
	SCALE: NONE										
	DATE: 1-08-04		<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										
DWG. BY: RCB											
DESIGN BY:											
REVIEWED BY:											

23-JUN-2006 14:46  
 \\d3c0ad208484\fdy\moving\_dhead\sr1419\_mai3022\sr1419\_dcc\_tcp\_sht5.dgn  
 AT D:\3CAD228332



NOTES: TEMPORARY MARKINGS SHOWN ARE FOR TEMPORARY PATTERN 1






APPROVED: <i>[Signature]</i> DATE: 6-26-04	<b>PHASE II OVERVIEW</b>	
	SCALE: NONE	
	DATE: 1-08-04	
	DWG. BY: RCB	
	DESIGN BY:	
REVIEWED BY:	REVISIONS	

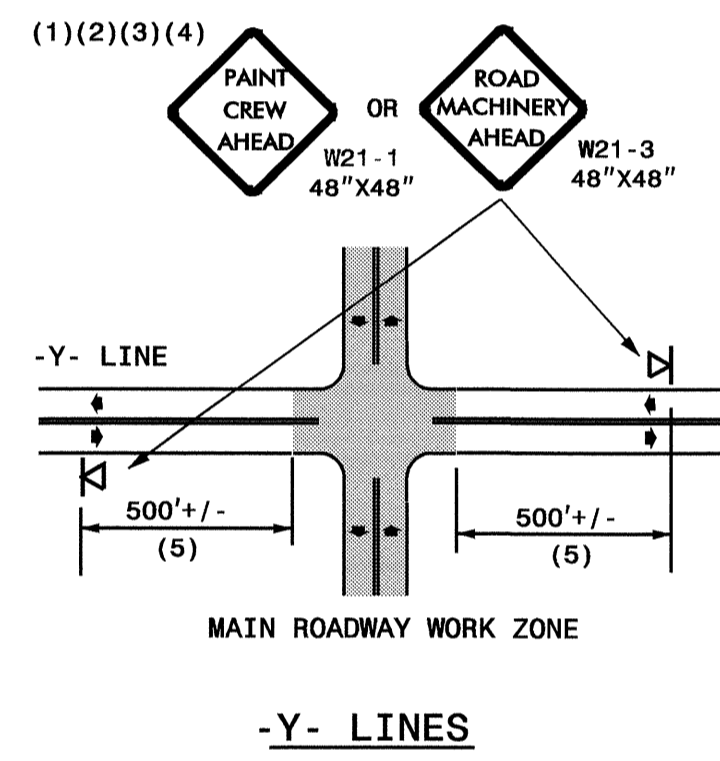
23-JUN-2006 14:47  
 \\dl3ca0208464\c\p\m\g\y\ing\_ahead\sr1419\_mai3022r\sr1419\_ddc\_tcp\_sh6.dgn  
 P11111 AT D:\CADD228332

### GENERAL NOTES

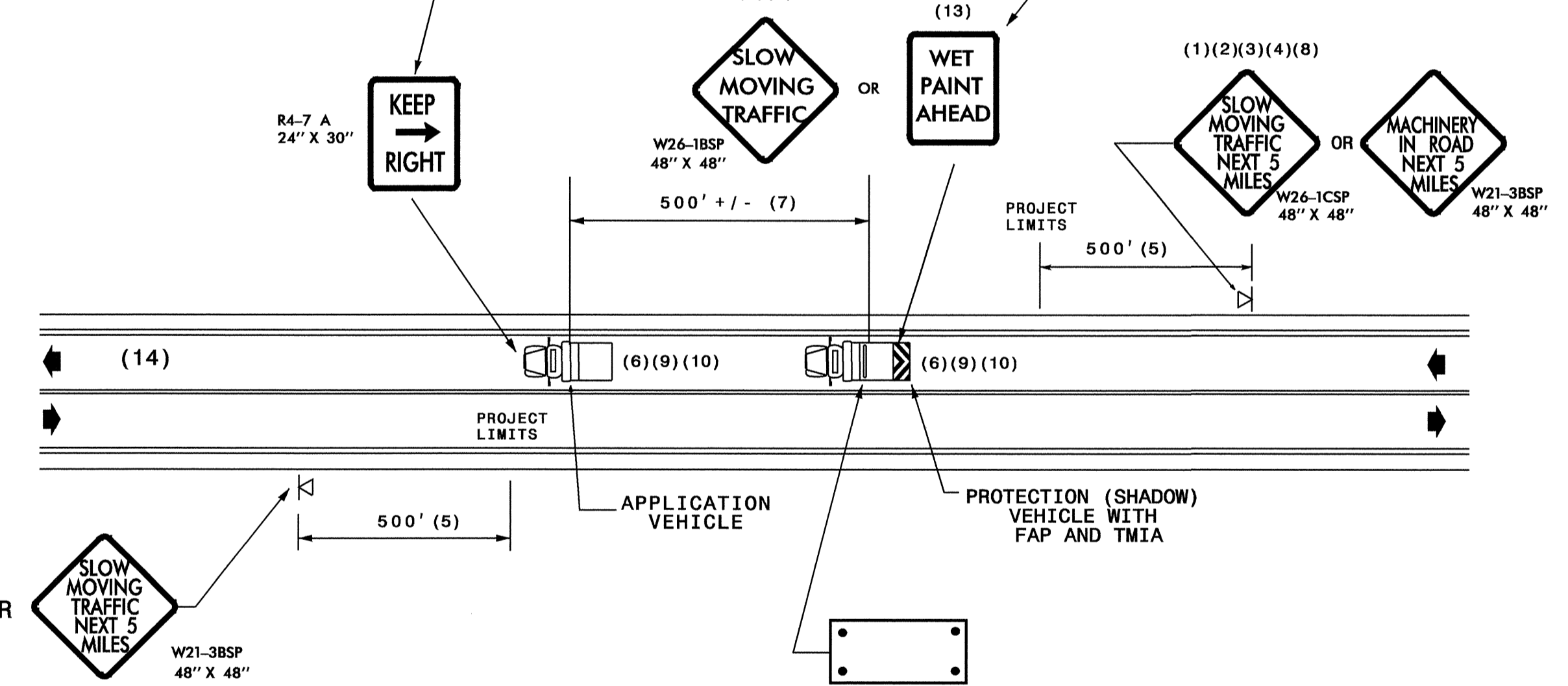
- (1) THE FOLLOWING OPTIONS MAY BE USED FOR ADVANCE WARNING SIGNS:
  - A. TRUCK MOUNTED SIGNS
  - B. TRUCK MOUNTED CHANGEABLE MESSAGE SIGN (CMS)
  - C. GROUND MOUNTED ADVANCE WARNING SIGNS (MUST CIRCLE TO PICK UP SIGNS)
  - D. GROUND MOUNTED CHANGEABLE MESSAGE SIGN (CMS) (MUST USE CIRCLE TO PICK UP SIGNS)
- (2) ALL ADVANCE WARNING SIGNS MUST BE 48" X 48" WITH FLUORESCENT ORANGE TYPE VII, VIII OR IX SHEETING. IF SPACE LIMITATIONS ON SHOULDER PROHIBIT A 48" X 48" SIGN, A SMALLER SIGN CAN BE USED WITH APPROVAL FROM ENGINEER.
- (3) SIGNS ON VEHICLES SHOULD BE MOUNTED A MINIMUM OF ONE (1) FOOT FROM THE GROUND AND SHOULD NOT BLOCK THE MOTORIST'S SIGHT OF THE FLASHING ARROW PANEL AND/OR LIGHTBAR.
- (4) GROUND MOUNTED ADVANCED WARNING SIGNS SHOULD BE MOUNTED A MINIMUM OF ONE (1) FOOT FROM THE GROUND TO BOTTOM OF SIGN.
- (5) SIGN SPACING SHOULD BE ADJUSTED FOR HORIZONTAL AND VERTICAL CURVES, ETC. TO IMPROVE SIGHT DISTANCES.
- (6) ADDITIONAL VEHICLES SHOULD BE USED IN WORK CARAVAN TO FACILITATE DRYING OF PAVEMENT MARKING MATERIAL (TMIA'S ARE OPTIONAL ON THESE ADDITIONAL VEHICLES). HOWEVER, THE FIRST VEHICLE MOTORISTS SEE IN THE TRAVEL LANE SHALL HAVE A TMIA.
- (7) ADJUST DISTANCE AS NEEDED TO PREVENT MOTORISTS FROM ENTERING SPACE BETWEEN THE APPLICATION AND PROTECTION VEHICLE. DISTANCE CAN BE LENGTHENED TO ACCOMODATE SIGHT DISTANCE NEEDS.
- (8) ROUND UP MILEAGE TO NEXT WHOLE MILE. WORK ZONE SHOULD NOT EXCEED FIVE (5) MILES IN LENGTH.
- (9) RADIO COMMUNICATION BETWEEN VEHICLES IS REQUIRED.
- (10) USE OF A LIGHT BAR ON ALL VEHICLES IS PREFERRED, BUT A ROTATING BEACON MAY BE USED INSTEAD.
- (11) IF WORK IS PERFORMED AT NIGHT, THE WORK AREA MUST BE ILLUMINATED WITH MACHINE AND/OR TOWER LIGHTS AS APPROVED BY THE ENGINEER.
- (12) ALL TRAFFIC CONTROL DEVICES WILL BE CONSIDERED INCIDENTAL TO THE PAY ITEMS FOR PAVEMENT MARKING AND MARKERS.
- (13) INFORMATIONAL SIGNS SHOULD BE ACTIVITY SPECIFIC, I.E. "PAINT CREW IN ROAD". SIGNS MAY BE RECTANGULAR OR DIAMOND SHAPE. SIGN SIZE SHOULD BE BASED ON THE MOTORIST ABILITY TO RECOGNIZE SIGN WHEN TRAVELING FIVE (5) MILES ABOVE POSTED SPEED LIMIT.
- (14) IF A LEAD VEHICLE IS ADDED TO OPERATION, IT SHOULD HAVE THE SAME ADVANCE WARNING SIGNS AS THE APPLICATION VEHICLE SHOWN BELOW.

### LEGEND

-  PORTABLE SIGN. SIGNS MUST BE NCHRP-350 AND NCDOT APPROVED.
-  DIRECTION OF TRAFFIC FLOW
-  APPLICATION VEHICLE WITH LIGHT BAR
-  PROTECTION VEHICLE WITH TRUCK MOUNTED IMPACT ATTENUATOR (TMIA) AND LIGHT BAR (SEE ROADWAY STANDARD NO. 1165.01). TMIA MUST BE NCHRP-350 TEST LEVEL 3 (60+MPH) APPROVED.
-  FLASHING ARROW PANEL, TYPE "B" (60"X30" MIN.), "CAUTION MODE"



SIGN SHOULD BE ATTACHED TO THE FRONT OF THE APPLICATION VEHICLE

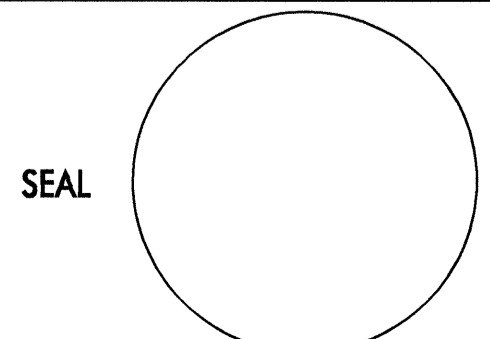


MAY USE "WET PAINT STAY OFF LINE" "WET PAINT AHEAD" OR SIMILAR INFORMATIONAL MESSAGE AND MAY ALSO USE ARROWS TO POINT TO WET LINES, ETC.

## MOVING OPERATION CARAVAN (OPERATIONS TRAVELING 3 MPH OR FASTER) PLACING PAVEMENT MARKING OR MARKERS ON TWO-LANE TWO-WAY ROADWAYS

**DRAWING NUMBER 6**  
IMPLEMENTATION DATE: 07/01/97  
REVISED: 11/03/04

28-JUN-2006 11:00 \\DOT\DFSR\0101\GROUPS-WZT\CCC\design\poup4\squadda\resur-facing\resur-facing.mc6\_tcp\_07.dgn pseymore AT WZT206427

APPROVED: _____	DATE: _____
	
<b>MOVING OPERATION CARAVAN DRAWING NUMBER 6</b>	
SCALE: NONE	REVISIONS
DATE: _____	_____
DESIGN BY: _____	_____
REVIEWED BY: _____	_____
	CADD FILE _____