

STATE OF NORTH CAROLINA
DIVISION OF HIGHWAYS

STATE PROJECT REFERENCE NO.	SHEET NO.
B-4095	TCP-1

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

B-4095

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
1101.11	TRAFFIC CONTROL DESIGN TABLES
1110.01	STATIONARY WORK ZONE SIGNS
1110.02	PORTABLE WORK ZONE SIGNS
1115.01	FLASHING ARROW PANELS
1130.01	DRUMS
1135.01	CONES
1145.01	BARRICADES (TYPE III)
1150.01	FLAGGERS
1160.01	TEMPORARY CRASH CUSHION
1165.01	TRUCK MOUNTED IMPACT ATTENUATOR
1170.01	PORTABLE CONCRETE BARRIER
1180.01	SKINNY DRUMS
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
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

INDEX OF SHEETS

SHEET NO.	TITLE
TCP-1	LIST OF APPLICABLE ROADWAY STANDARD DRAWINGS, LEGEND AND INDEX OF SHEETS
TCP-2 & TCP-3	PROJECT NOTES, LOCAL NOTES & PAVEMENT MARKING SCHEDULE
TCP-4 & TCP-4A	PHASING
TCP-5 THRU TCP-10	PHASE I DETAILS
TCP-11 THRU TCP-13	PHASE II DETAILS
TCP-14 THRU TCP-18	PHASE III DETAILS
TCP-19	WIDE LOAD DETOUR DETAIL
TCP-20 THRU TCP-24	WIDE LOAD DETOUR SIGNS
TCP-25 & TCP-26	WORK ZONE WARNING SIGNS
PM-1	PAVEMENT MARKING

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
- 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
- PORTABLE CONCRETE BARRIER (P.C.B.)

PAVEMENT MARKINGS

- CRYSTAL/CRYSTAL PAVEMENT MARKER
- YELLOW/YELLOW PAVEMENT MARKER
- CRYSTAL/RED PAVEMENT MARKER
- PAVEMENT MARKING SYMBOLS

TIP PROJECT:

13-APR-2007 12:32
 H:\TrafficControl\B4095\TrafficControl\B4095.te.tcp01.dgn
 12054 AT RAL5GK\YMC1

PBS&J 1616 EAST MILLBROOK ROAD, SUITE 310
RALEIGH, NORTH CAROLINA 27609
PHONE: (919) 876-6888

APPROVED: DATE: 7-13-07	PLAN PREPARED FOR: N.C.D.O.T. WORK ZONE TRAFFIC CONTROL UNIT
SEAL	J. T. BROOKS, PE TRAFFIC CONTROL ENGINEER J. T. BROOKS, PE TRAFFIC CONTROL PROJECT ENGINEER JONATHAN A. WILES TRAFFIC CONTROL PROJECT DESIGN ENGINEER JONATHAN A. WILES TRAFFIC CONTROL DESIGN ENGINEER / TECHNICIAN

GENERAL NOTES

PROJ. REFERENCE NO. B-4095	SHEET NO. TCP-2
-------------------------------	--------------------

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.

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 STOP TRAFFIC OR CLOSE ROADS AS FOLLOWS:

ROAD NAME	DAY AND TIME RESTRICTIONS
1. US 29/70/I-85 BUSINESS	MONDAY THRU SUNDAY, 6:00 AM TO 8:00 PM

B) DO NOT STOP TRAFFIC FOR MORE THAN 10 MINUTES AS FOLLOWS:

ROAD NAME	OPERATIONS
1. US 29/70/I-85 BUSINESS	TRAFFIC SHIFTS

C) 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

D) 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.

E) 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.

F) 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.

G) 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.

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) PROVIDE TRAFFIC CONTROL FOR APPROPRIATE LANE CLOSURES FOR SURVEYING DONE BY THE DEPARTMENT.

PAVEMENT EDGE DROP OFF REQUIREMENTS

K) BACKFILL AT A 6:1 SLOPE UP TO THE EDGE AND ELEVATION OF EXISTING ROADWAY 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 OF 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) PROVIDE PERMANENT SIGNING.

P) PROVIDE DETOUR SIGNING WITHIN AND OFF THE PROJECT LIMITS.

Q) COVER OR REMOVE ALL DETOUR SIGNS WITHIN AND OFF THE PROJECT LIMITS WHEN A DETOUR IS NOT IN OPERATION.

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

S) INSTALL BLACK ON ORANGE "DIP" SIGNS (W8-2) 500 FT IN ADVANCE OF THE UNEVEN AREA.

T) INSTALL BLACK ON ORANGE "BUMP" SIGNS (W8-1) 500 FT IN ADVANCE OF THE UNEVEN AREA.

TRAFFIC BARRIER

U) INSTALL MOVABLE/PORTABLE CONCRETE BARRIER ACCORDING TO THE TRAFFIC CONTROL PLANS A MAXIMUM OF TWO (2) WEEKS PRIOR TO BEGINNING WORK IN ANY LOCATION. ONCE MOVABLE/PORTABLE CONCRETE BARRIER IS INSTALLED AT ANY LOCATION, PROCEED IN A CONTINUOUS MANNER TO COMPLETE THE PROPOSED WORK IN THAT LOCATION UNLESS OTHERWISE STATED IN THE TRAFFIC CONTROL PLANS OR AS DIRECTED BY THE ENGINEER.

ONCE MOVABLE/PORTABLE CONCRETE BARRIER IS INSTALLED AT ANY LOCATION AND NO WORK IS PERFORMED BEHIND THE MOVABLE/PORTABLE CONCRETE BARRIER FOR A PERIOD LONGER THAN TWO (2) MONTHS, REMOVE/RESET MOVABLE/PORTABLE CONCRETE BARRIER AT NO COST TO THE DEPARTMENT UNLESS OTHERWISE STATED IN THE TRAFFIC CONTROL PLANS, BARRIER IS PROTECTING A HAZARD, OR AS DIRECTED BY THE ENGINEER.

V) PROTECT THE APPROACH END OF MOVABLE/PORTABLE CONCRETE BARRIER AT ALL TIMES DURING THE INSTALLATION AND REMOVAL OF THE BARRIER BY EITHER A TRUCK MOUNTED IMPACT ATTENUATOR (MAXIMUM 72 HOURS) OR A TEMPORARY CRASH CUSHION.

PROTECT THE APPROACH END OF MOVABLE/PORTABLE CONCRETE BARRIER FROM ONCOMING TRAFFIC AT ALL TIMES BY A TEMPORARY CRASH CUSHION UNLESS THE APPROACH END OF MOVABLE/PORTABLE CONCRETE BARRIER IS OFFSET FROM ONCOMING TRAFFIC AS FOLLOWS OR AS SHOWN IN THE PLANS:

POSTED SPEED LIMIT	MINIMUM OFFSET
LESS THAN 50 MPH	20 FT
50 MPH or HIGHER	30 FT

INSTALL MOVABLE/PORTABLE CONCRETE BARRIER WITH THE TRAFFIC FLOW, BEGINNING WITH THE UPSTREAM SIDE OF TRAFFIC. REMOVE MOVABLE/PORTABLE CONCRETE BARRIER AGAINST THE TRAFFIC FLOW, BEGINNING WITH THE DOWNSTREAM SIDE OF TRAFFIC.

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

W) WHEN USING ROADWAY STANDARD NO. 1101.02, DRUMS MAY BE USED IN LIEU OF CONES ON ALL -Y- LINES.

X) 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.

Y) 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.

Z) 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.

GENERAL NOTES CONTINUE ON TCP-3

13-APR-2007 12:36
H:\Trans\ncdot\B4095\TrafficControl\B4095_te_tcp02.dgn
12054 AT RAL5GKYMCI

PBS&J 1616 EAST MILLBROOK ROAD, SUITE 310
RALEIGH, NORTH CAROLINA 27609
PHONE: (919) 876-6888

APPROVED: DATE: 4/13/07 	<h2 style="margin: 0;">PROJECT NOTES</h2> <table style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 30%; border-bottom: 1px solid black;">SCALE: NONE</td> <td style="width: 70%; border-bottom: 1px solid black;">REVISIONS</td> </tr> <tr> <td style="border-bottom: 1px solid black;">DATE: 4/30/7</td> <td style="border-bottom: 1px solid black;"></td> </tr> <tr> <td style="border-bottom: 1px solid black;">DWG. BY: JAW</td> <td style="border-bottom: 1px solid black;"></td> </tr> <tr> <td style="border-bottom: 1px solid black;">DESIGN BY: JAW</td> <td style="border-bottom: 1px solid black;"></td> </tr> <tr> <td style="border-bottom: 1px solid black;">REVIEWED BY: JTB</td> <td style="border-bottom: 1px solid black;"></td> </tr> </table>	SCALE: NONE	REVISIONS	DATE: 4/30/7		DWG. BY: JAW		DESIGN BY: JAW		REVIEWED BY: JTB	
SCALE: NONE	REVISIONS										
DATE: 4/30/7											
DWG. BY: JAW											
DESIGN BY: JAW											
REVIEWED BY: JTB											

GENERAL NOTES

(CONTINUED FROM TCP-2)

PAVEMENT MARKINGS AND MARKERS

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

ROAD NAME	MARKING	MARKER
1. ALL ROADS	POLYUREA	SNOWPLOWABLE
2. STRUCTURES	POLYUREA	PERMANENT RAISED

BB) INSTALL TEMPORARY PAVEMENT MARKINGS AND TEMPORARY PAVEMENT MARKERS ON INTERIM LAYERS OF PAVEMENT AS FOLLOWS:

ROAD NAME	MARKING	MARKER
1. ALL ROADS AND EXISTING STRUCTURES	PAINT	TEMPORARY RAISED
2. PROPOSED STRUCTURES	COLD APPLIED PLASTIC TYPE 4	TEMPORARY RAISED

CC) TIE PROPOSED PAVEMENT MARKING LINES TO EXISTING PAVEMENT MARKING LINES.

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

EE) 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

FF) PLACE DRUMS TO DELINEATE EXISTING ISLAND AFTER REMOVAL.

GG) ENGINEER WILL NOTIFY THE OVERSIZE/OVERWEIGHT PERMIT UNIT AT 919-733-4740 (MS. TAMMY C. DENNING AND/OR MS. GWEN HOBBY) TWO WEEKS PRIOR TO TRAFFIC BEING PLACED IN THE TWO-LANE, TWO-WAY TRAFFIC PATTERN AND WHEN TRAFFIC IS SHIFTED TO A TWO-LANE, TWO-WAY TRAFFIC PATTERN ON PROPOSED SOUTHBOUND STRUCTURE (SEE PHASE II, STEP 4).

LOCAL NOTES

LN-1 REMOVE CONFLICTING PAVEMENT MARKINGS.

LN-2 RELAP EXISTING MEDIAN GUARDRAIL OR INSTALL TEMPORARY GUARDRAIL FOR CHANGE IN DIRECTION OF TRAFFIC ADJACENT TO GUARDRAIL. TEMPORARY APPROACH ANCHOR UNITS MAY BE NECESSARY.

LN-3 ALL Y-LINES INTERSECTING WITH -L- WILL BE RESTRICTED TO RIGHT-IN / RIGHT-OUT MOVEMENTS.

LN-4 MOUNT ONE WAY SIGN (R6-1R) ON PORTABLE CONCRETE BARRIER USING RSD NO. 903.30.

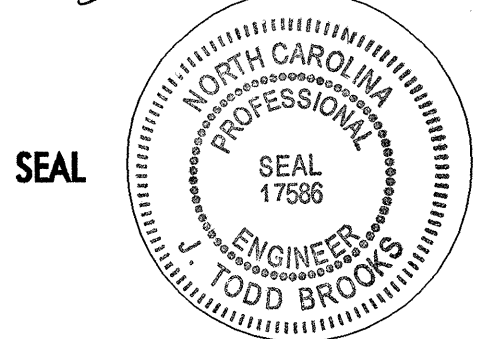
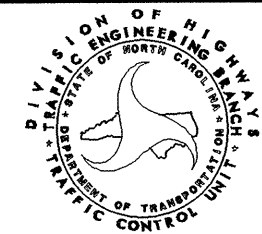
PROJ. REFERENCE NO.	SHEET NO.
B-4095	TCP- 3

PVMT MARKING SCHEDULE

SYMBOL	DESCRIPTION	PAY ITEM	QUANTITY BREAKDOWN	TOTAL QUANTITY
TEMPORARY PAVEMENT MARKING LINES				
		COLD APPLIED PLASTIC TYPE 4		1340 LF
RA	WHITE EDGELINE		804 LF	
RB	YELLOW EDGELINE		536 LF	
		PAINT (4")		58163 LF
PA	WHITE EDGELINE		27688 LF	
PB	YELLOW EDGELINE		25628 LF	
PC	10 FT. WHITE SKIP		1422 LF	
PD	2 FT WHITE MINISKIP		191 LF	
PE	WHITE SOLID LANE LINE		856 LF	
PH	YELLOW SINGLE CENTER		1766 LF	
PI	YELLOW DOUBLE CENTER		612 LF	
		PAINT (24")		308 LF
P4	WHITE STOPBAR		308 LF	
		PAINT MARKING SYMBOLS		6 EA
QB	RIGHT TURN ARROW		6 EA	
		TEMPORARY RAISED PAVEMENT MARKERS		1006 EA
MI	CRYSTAL AND RED		546 EA	
MJ	YELLOW AND RED		460 EA	
FINAL PAVEMENT MARKING LINES				
		POLYUREA (4")		15856 LF
VA	WHITE EDGELINE		6653 LF	
VB	YELLOW EDGELINE		5878 LF	
VC	10 FT. WHITE SKIP		1600 LF	
VD	2 FT. WHITE MINISKIP		368 LF	
VE	WHITE SOLID LANE LINE		947 LF	
VI	YELLOW DOUBLE CENTER		434 LF	
		POLYUREA (24")		160 LF
V2	WHITE STOPBAR		160 LF	
		POLYUREA PAVEMENT MARKING SYMBOL		29 EA
WA	LEFT TURN ARROW		7 EA	
WB	RIGHT TURN ARROW		6 EA	
WC	STRAIGHT ARROW		16 EA	
		PERMANENT RAISED PAVEMENT MARKER		8 EA
MB	CRYSTAL AND RED		8 EA	
		SNOWPLOWABLE RAISED PAVEMENT MARKER		131 EA
ME	YELLOW AND YELLOW		3 EA	
MF	CRYSTAL AND RED		128 EA	

13-APR-2007 12:36
 H:\Tran\ncdot\B4095\TrafficControl\B4095_te_tcp02A.dgn
 12054 AT RAL56KYMCI

PBS&J 1616 EAST MILLBROOK ROAD, SUITE 310
 RALEIGH, NORTH CAROLINA 27609
 PHONE: (919) 876-6888

APPROVED: <i>[Signature]</i> DATE: 4/12/07	<h2>PROJECT NOTES & PM SCHEDULE</h2>						
							
SCALE:	DWG. BY: JAW						
DESIGN BY: JAW	REVISIONS						
REVIEWED BY: JTB	<table border="1"> <tr><td> </td><td> </td></tr> <tr><td> </td><td> </td></tr> <tr><td> </td><td> </td></tr> </table>						

PHASE I

NOTES: RETURN TRAFFIC TO THE EXISTING PATTERN AT THE END OF EACH WORKDAY UNLESS OTHERWISE STATED IN THE PHASING OR DIRECTED BY THE ENGINEER.

COMPLETE ANY PROPOSED OR TEMPORARY WIDENING IN SUCH A MANNER THAT PONDING WILL NOT OCCUR IN THE TRAVEL LANE.

INSTALL CHANGEABLE MESSAGE SIGNS (CMS) ON US 29/70 (-L-) AS DIRECTED BY THE ENGINEER.

PRIOR TO BEGINNING ANY WORK, INSTALL ALL WORK ZONE ADVANCE WARNING SIGNS AS SHOWN ON TCP-25.

STEP 1: USING DRUMS, TYPE III BARRICADES AND SIGNS, CLOSE LEFT TURN LANES AND MEDIAN CROSSOVERS AT -Y1-, -Y2- & -Y3- TO PROHIBIT LEFT TURNS TO AND FROM THESE -Y-LINES. SEE TCP-5 THRU TCP-7. (SEE LN-3)

STEP 2: USING RSD NO. 1101.02, SHEET 3 OF 9, CLOSE THE OUTSIDE LANE OF US 29/70 SB FROM STA 10+00+/- -L- TO STA 42+00+/- -L- AND PLACE PORTABLE CONCRETE BARRIER (PCB) ON CLOSED OUTSIDE LANE FROM STA 16+45+/- -L- TO STA 9+95+/- -Y1- AS SHOWN ON TCP-5 THRU TCP-7 TO CONSTRUCT THE FOLLOWING:

- RETAINING WALL FROM STA 17+75+/- -L- TO STA 19+62.50+/- -L-.
- EMBANKMENT ON OUTSIDE OF US 29/70 SB:
 - STA 10+00+/- -L- TO STA 22+25+/- -L-
 - STA 29+60+/- -L- TO STA 42+00+/- -L-
- DRAINAGE ON OUTSIDE OF US 29/70 SB BETWEEN STA 16+00+/- -L- AND -Y1-.
- OUTSIDE PAVED SHOULDER UP TO THE EDGE AND ELEVATION OF EXISTING US 29/70 SB TRAVEL WAY:
 - STA 10+00 TO STA 22+25, INCLUDING -Y1- INTERSECTION RADII
 - STA 29+50 TO STA 42+00, INCLUDING -Y3- INTERSECTION RADII

NOTE: USE RSD NO. 1101.02, SHEET 1 OF 9 ON -Y- LINE WHEN WORKING WITHIN INTERSECTION RADII.

- GUARDRAIL, REMOVAL OF EXISTING AND INSTALLATION OF PROPOSED, ALONG OUTSIDE SHOULDER OF US 29/70 SB FROM STA 16+74+/- -L- UP TO AND INCLUDING THE SOUTHWEST RADIUS OF -Y1- INTERSECTION.

USING RSD NO. 1101.02, SHEET 3 OF 9, TEMPORARILY CLOSE THE OUTSIDE LANE OF US 29/70 NB (-L-) TO CONSTRUCT TEMPORARY OUTSIDE PAVED SHOULDER ALONG NBL AS FOLLOWS (SEE CONSTRUCTION PLANS AND TCP-5 THRU TCP-7):

- STA 14+00+/- -L- TO STA 25+05+/- -L- (BRIDGE),
- STA 31+88+/- -L- TO STA 36+78+/- -L-

NOTE: RETAIN EXISTING GUARDRAIL ALONG OUTSIDE SHOULDER OF US 29/70 NB.

STEP 3: REMOVE PCB, DRUMS AND SIGNS FROM OUTSIDE LANE OF US 29/70 SB AND REOPEN OUTSIDE SB LANE TO TRAFFIC. MAINTAIN CLOSURE OF MEDIAN CROSSOVERS AT -Y1-, -Y2- & -Y3- (SEE LN-3).

USING RSD NO. 1101.02, SHEET 3 OF 9, CONSTRUCT THE FOLLOWING (SEE CONSTRUCTION PLANS AND TCP-8 THRU TCP-10):

- INSIDE PAVED SHOULDERS UP TO THE EDGE AND ELEVATION OF THE EXISTING PAVEMENT AS FOLLOWS:
 - NORTHBOUND US 29/70 (-L-)
 - STA 14+00+/- TO STA 25+15+/-
 - STA 31+88+/- TO STA 36+78+/-
 - SOUTHBOUND US 29/70 SB (-L-)
 - STA 10+00+/- TO STA 22+25+/-
 - STA 28+50+/- TO STA 42+00+/-
- TEMPORARY MEDIAN CROSSOVERS -S2N10- AND -N2S40-, INCLUDING ALL DRAINAGE, UP TO THE EDGE AND ELEVATION OF THE EXISTING PAVEMENT.

(STEP 3 CONTINUES, NEXT COLUMN)

PHASING

STEP 3 (CONT.)

- WEDGING AND OVERLAY OF BOTH SB LANES OF US 29/70 (-L-) UP TO BUT NOT INCLUDING FINAL LAYER OF SURFACE COURSE:
 - STA 10+00+/- -L- TO STA 21+75+/- -L- (TRANSITION FROM PROPOSED GRADE AT STA 21+75+/- TO EXIST. GRADE AT STA 23+75+/-)
 - STA 29+60+/- -L- TO STA 42+00+/- -L- (TRANSITION FROM TO EXISTING GRADE AT NORTH END OF BRIDGE TO PROPOSED GRADE AT STA 29+60+/-)

INSTALL OVERSIZED VEHICLE DETOUR ROUTE SIGNS, NARROW BRIDGE WARNING SIGNS AND HORIZONTAL CLEARANCE SIGNS AS SHOWN ON TCP-11, TCP-13 AND TCP-19 THRU TCP-24.

CONTRACTOR SHALL WORK IN A CONTINUOUS MANNER TO COMPLETE THE WORK IN PHASE I, STEP 4 THRU STEP 6.

CONTRACTOR MAY WORK PHASE I, STEP 4 AND STEP 5 SIMULTANEOUSLY, AS DIRECTED BY THE ENGINEER.

STEP 4: USING RSD NO. 1101.02, SHEET 3 OF 9 (SEE CONSTRUCTION PLANS AND TCP-11 THRU TCP-13):

- CLOSE THE OUTSIDE LANE OF US 29/70 NB (-L-) AND INSTALL INTERMEDIATE PAVEMENT MARKINGS AND TEMPORARY RAISED MARKERS ON OUTSIDE LANE/SHOULDER OF US 29/70 NB (-L-) FROM STA 12+00+/- -L- TO STA 37+80+/- -L- (SEE LN-1).
- INSTALL PORTABLE CONCRETE BARRIER (PCB) ON US 29/70 NB (-L-) FROM STA 21+00+/- -L- TO STA 36+80+/- -L-.

NOTE: ENGINEER WILL CONTACT THE OVERSIZE/OVERWEIGHT UNIT (SEE SHEET TCP-3, NOTE GG).

- SHIFT TRAFFIC TO A ONE-LANE, ONE-WAY TRAFFIC PATTERN ON THE OUTSIDE LANE/SHOULDER OF US 29/70 NB (-L-) FROM STA 12+00+/- -L- TO STA 37+80+/- -L-.

STEP 5: WHILE MAINTAINING TRAFFIC IN A ONE-LANE, ONE-WAY TRAFFIC PATTERN ON THE OUTSIDE LANE/SHOULDER OF US 29/70 NB (-L-), USE RSD NO. 1101.02, SHEET 3 OF 9 TO (SEE TCP-11 THRU TCP-13):

- CLOSE THE INSIDE LANE OF US 29/70 SB (-L-) AND INSTALL INTERMEDIATE PAVEMENT MARKINGS AND TEMPORARY RAISED MARKERS ON INSIDE LANE/SHOULDER OF US 29/70 SB (-L-) FROM STA 13+50+/- -L- TO STA 42+00+/- -L- (SEE LN-1);
- PLACE ADDITIONAL WORK ZONE SIGNS & DEVICES (SEE RSD 1101.03, SHEET 4 OF 9);
- PLACE REMAINDER OF THE PCB ON INSIDE LANES OF BOTH US 29/70 NB (-L-) & US 29/70 SB (-L-) AND THROUGH MEDIAN CROSSOVER -S2N10- FROM STA 14+50+/- -L- TO STA 21+00+/- -L-.

NOTE: AS REQUIRED OR AS DIRECTED BY THE ENGINEER, RELAP EXISTING MEDIAN GUARDRAIL (WITH TEMPORARY GRAU 350) FOR US 29/70 NB (-L-) TO ALLOW FOR A TWO-LANE, TWO-WAY TRAFFIC PATTERN ON US 29/70 NB (-L-) (SEE CONSTRUCTION PLANS, TCP-12, AND LN-2).

STEP 6: USING RSD NO. 1101.03, SHEET 4 OF 9, SHIFT US 29/70 SB TRAFFIC TO THE INSIDE LANE/SHOULDER OF US 29/70 NB INTO PHASE II TEMPORARY TWO-LANE, TWO-WAY TRAFFIC PATTERN (SEE TCP-11 THRU TCP-13).

USING RSD NO. 1101.02, SHEET 1 OF 9, REVISE PAVEMENT MARKINGS, DEVICES AND SIGNING ON -Y1- AND -Y3- TO PHASE II TEMPORARY PATTERN (SEE TCP-11 & TCP-12 AND LN-1).

PHASE II

STEP 1: CONSTRUCT PROPOSED ROADWAY, INCLUDING PROPOSED STRUCTURE, ON US 29/70 SB (-L-) FROM STA 21+75+/- -L- TO STA 29+60+/- -L- UP TO, BUT NOT INCLUDING THE FINAL LAYER OF SURFACE COURSE (SEE CONSTRUCTION PLANS AND TCP-11 THRU TCP-13).

NOTE: INSTALL THE PROPOSED 15" DRAINAGE PIPE ACROSS US 29/70 SB AT STA 24+90+/- -L- (SEE CONSTRUCTION PLANS).

NOTE: LAP PROPOSED MEDIAN GUARDRAIL FOR APPROACHING NB TRAFFIC WHEN IN PHASE III TEMPORARY TWO-LANE, TWO-WAY PATTERN ON SBL.

PLACE INTERMEDIATE PAVEMENT MARKINGS (REMOVABLE TAPE ON STRUCTURE AND PAINT ON ASPHALT) AND TEMPORARY RAISED PAVEMENT MARKERS ON THE OUTSIDE LANE OF PROPOSED US 29/70 SB (-L-) FROM STA 13+50+/- -L- TO STA 42+00+/- -L- (SEE TCP-14 THRU TCP-16), EXCLUDING MARKINGS WITHIN INTERSECTIONS WITH -Y1- AND -Y3-.

CONTRACTOR SHALL WORK IN A CONTINUOUS MANNER TO COMPLETE THE WORK IN PHASE II, STEP 2 WITHIN ONE WORK PERIOD.

STEP 2: USING RSD NO. 1101.02, SHEET 1 OF 9, REVISE PAVEMENT MARKINGS, DEVICES AND SIGNING ON -Y1- AND -Y3- TO PHASE III TEMPORARY PATTERN (SEE TCP-14 THRU TCP-16 AND LN-1).

USING RSD NO. 1101.02, SHEET 3 OF 9, SHIFT SB TRAFFIC TO THE NEWLY COMPLETED OUTSIDE LANE OF US 29/70 SB (-L-) AND KEEP NB TRAFFIC IN THE OUTSIDE LANE/SHOULDER OF US 29/70 NB (-L-).

NOTE: INSTALL TYPE III BARRICADES AND DRUMS TO KEEP CROSSOVER -S2N10- AND -N2S40- CLOSED TO TRAFFIC.

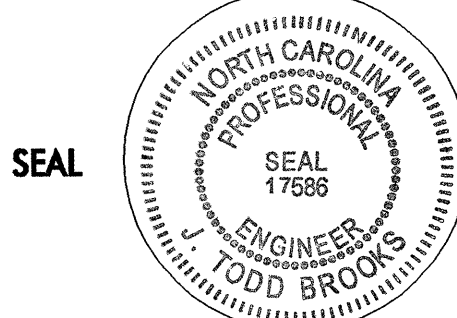
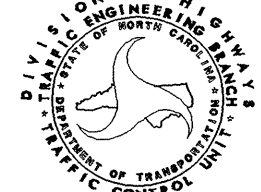
STEP 3: WHILE MAINTAINING TRAFFIC IN THE DIVIDED TWO-LANE, TWO-WAY PATTERN AND USING RSD NO. 1101.02, SHEET 3 OF 9, AND RSD 1102.03, SHEET 4 OF 9 (SEE CONSTRUCTION PLANS AND TCP-14 THRU TCP-16):

- REVISE PAVEMENT MARKINGS ON MEDIAN CROSSOVERS -N2S10- AND -S2N40- TO PHASE III TEMPORARY PATTERN (SEE LN-1)
- REVISE MARKINGS ON INSIDE LANES OF US 29/70 NB & SB TO PHASE III TEMPORARY TRAFFIC PATTERN (SEE LN-1)
- RESET PCB THROUGH MEDIAN CROSSOVERS AND FROM NORTHBOUND TO SOUTHBOUND US 29/70 (-L-). AS BARRIER IS REMOVED FROM US 29/70 NB, REPLACE PCB WITH DRUMS SPACED 50 FT C-C TO MAINTAIN CLOSURE OF INSIDE NB LANE.

STEP 4: USING RSD NO. 1101.03, SHEET 4 OF 9, SHIFT US 29/70 NB TRAFFIC TO THE INSIDE LANE/SHOULDER OF US 29/70 SB IN A TEMPORARY TWO-LANE, TWO-WAY TRAFFIC PATTERN AND PLACE ADDITIONAL WORK ZONE SIGNS (SEE TCP-14 THRU TCP-16).

USING RSD NO. 1101.02, SHEET 1 OF 9, REVISE PAVEMENT MARKINGS, DEVICES AND SIGNING ON -Y2- TO PHASE III TEMPORARY PATTERN (SEE TCP-15 AND LN-1).

13-APR-2007 12:36 H:\TransVncdot\B4095\TrafficControl\B4095_te_tcp03.dgn I2054 AT RAL5KYMCI

APPROVED: <i>[Signature]</i> DATE: 4/13/07	PROJECT PHASING PHASES I & II	
	SCALE: NONE	
	DATE: 4/307	
	DWG. BY: JAW	
	DESIGN BY: JAW	
REVIEWED BY: JTB	REVISIONS	

PHASING

PROJ. REFERENCE NO.	SHEET NO.
B-4095	TCP- 4A

PHASE III

STEP 1: CONDUCT PAVING & WEDGING OPERATIONS TO CONSTRUCT PROPOSED US 29/70 NB (-L-) UP TO BUT NOT INCLUDING THE FINAL LAYER OF SURFACE COURSE AS FOLLOWS (SEE CONSTRUCTION PLANS AND TCP-14 THRU TCP-16):

- PROPOSED OUTSIDE LANE AND OUTSIDE SHOULDER FROM STA 10+00+/- -L- TO STA 17+50+/- AND STA 33+00+/- -L- TO STA 42+00+/- -L-.
- PROPOSED INSIDE & OUTSIDE LANES AND OUTSIDE SHOULDER FROM STA 17+50+/- -L- TO STA 21+75+/- -L- AND STA 29+60+/- -L- TO STA 33+00+/- -L-.
- PROPOSED INSIDE & OUTSIDE LANES AND BOTH SHOULDERS (INCLUDING PROPOSED STRUCTURE) FROM STA 21+75+/- -L- TO STA 29+60+/- -L-.

NOTE: COMPLETE INSTALLATION OF THE PROPOSED 15" DRAINAGE PIPE ACROSS US 29/70 NB AT STA 24+90+/- -L- (SEE CONSTRUCTION PLANS).

NOTE: USE RSD NO. 1101.02, SHEET 1 OF 9, WHEN PAVING -Y2-.

- GUARDRAIL, REMOVAL OF EXISTING AND INSTALLATION OF PROPOSED, ALONG OUTSIDE SHOULDER FROM STA 11+50+/- -L- TO BEGINNING OF NEW NB BRIDGE AND FROM END OF NEW NB BRIDGE TO STA 29+60+/- -L-.
- PLACE INTERMEDIATE PAVEMENT MARKINGS (REMOVABLE TAPE ON STRUCTURE AND PAINT ON ASPHALT) AND TEMPORARY RAISED PAVEMENT MARKERS ON THE OUTSIDE LANE OF PROPOSED US 29/70 NB (-L-) FROM STA 10+00 -L- TO STA 42+00+/- -L-, EXCLUDING MARKINGS WITHIN -Y2- INTERSECTION (SEE TCP-17).

STEP 2: USING RSD NO. 1101.02, SHEET 1 OF 9, REVISE PAVEMENT MARKINGS, DEVICES AND SIGNING ON -Y2- TO TEMPORARY PATTERN SHOWN ON TCP-17 (SEE LN-1).

USING RSD NO. 1101.02, SHEET 3 OF 9, SHIFT NB TRAFFIC TO THE NEWLY COMPLETED OUTSIDE LANE OF US 29/70 NB (-L-) AND KEEP SB TRAFFIC IN THE OUTSIDE LANE/SHOULDER OF US 29/70 SB (-L-) (SEE TCP-17).

NOTE: INSTALL TYPE III BARRICADES AND DRUMS TO KEEP CROSSOVER -N2S10- CLOSED TO TRAFFIC.

STEP 3: WHILE MAINTAINING TRAFFIC IN THE DIVIDED TWO-LANE, TWO-WAY PATTERN AND USING RSD NO. 1101.02, SHEET 3 OF 9 (SEE TCP-17):

- REMOVE PORTABLE CONCRETE BARRIER (PCB). AS BARRIER IS REMOVED FROM US 29/70 SB, REPLACE PCB WITH DRUMS SPACED 50 FT C-C TO MAINTAIN CLOSURE OF INSIDE SB LANE AND INSTALL TYPE III BARRICADES TO MAINTAIN CLOSURE OF MEDIAN OPENINGS AT -Y1- AND AT -Y2-/-Y3- (SEE LN-3).
- CONSTRUCT PROPOSED MEDIAN CROSSOVERS AND PROPOSED DRAINAGE IN MEDIAN (SEE CONSTRUCTION PLANS).
- SAWCUT AND REMOVE EXCESS INSIDE PAVED SHOULDER ON US 29/70 NB AND SB.
- CONSTRUCT PROPOSED INSIDE SHOULDER AND PAVE THE INSIDE LANE OF US 29/70 NB FROM STA 10+00+/- -L- TO STA 21+75+/- -L- AND FROM STA 29+60+/- -L- TO STA 42+00+/- -L-, UP TO AND INCLUDING THE FINAL LAYER OF SURFACE COURSE (SEE CONSTRUCTION PLANS).
- PAVE THE FINAL LAYER OF SURFACE COURSE ON INSIDE LANE AND INSIDE PAVED SHOULDER OF US 29/70 SB (-L-).
- RELAP MEDIAN GUARDRAIL ON US 29/70 SB (-L-) FOR SOUTHBOUND TRAFFIC (SEE CONSTRUCTION PLANS).
- PLACE FINAL PAVEMENT MARKINGS (POLYUREA) AND PAVEMENT MARKERS (SNOWPLOWABLE RAISED ON ASPHALT PAVEMENT AND PERMANENT RAISED ON BRIDGES) ON INSIDE LANES OF US 29/70 NB & SB (-L-) FROM STA 10+00+/- -L- TO STA 42+00+/- -L- (SEE PAVEMENT MARKING PLAN).
- REMOVE WIDE LOAD DETOUR SIGNS FOLLOWING REMOVAL OF PCB, AS DIRECTED BY THE ENGINEER.

NOTE: ENGINEER WILL CONTACT THE OVERSIZE/OVER-WEIGHT UNIT (SEE SHEET TCP-3, NOTE GG).

STEP 4: USING RSD NO. 1101.02, SHEET 3 OF 9, SHIFT NORTHBOUND AND SOUTHBOUND US 29/70 (-L-) TRAFFIC TO THE NEWLY COMPLETED INSIDE LANES OF US 29/70 (-L-) IN A DIVIDED TWO-LANE, TWO-WAY TRAFFIC PATTERN (SEE SHEET TCP-18).

NOTE: KEEP MEDIAN CROSSOVERS AT -Y1- AND AT -Y2-/-Y3- CLOSED TO TRAFFIC (SEE LN-3).

STEP 5: WHILE MAINTAINING TRAFFIC IN THE DIVIDED TWO-LANE, TWO-WAY TRAFFIC PATTERN AND USING RSD NO. 1101.02, SHEET 3 OF 9, CONSTRUCT THE FOLLOWING (SEE TCP-18):

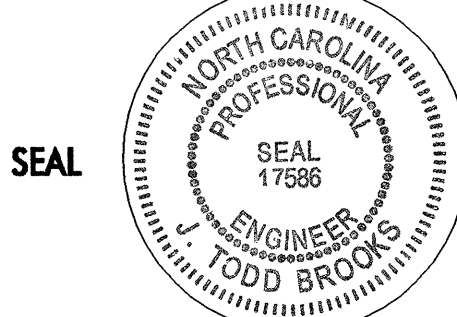
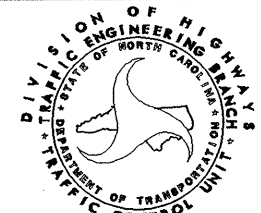
- PAVE THE OUTSIDE LANES OF BOTH NB & SB US 29/70 (-L-) FROM STA 10+00+/- -L- TO STA 42+00+/- -L- UP TO AND INCLUDING THE FINAL LAYER OF SURFACE COURSE (SEE CONSTRUCTION PLANS).
- PAVE -Y1-, -Y2- AND -Y3- UP TO AND INCLUDING FINAL LAYER OF SURFACE COURSE (SEE CONSTRUCTION PLANS).
- PLACE FINAL PAVEMENT MARKINGS (POLYUREA) AND PAVEMENT MARKERS (SNOWPLOWABLE RAISED ON ASPHALT PAVEMENT AND PERMANENT RAISED ON BRIDGES) ON OUTSIDE LANES OF US 29/70 NB & SB (-L-) FROM STA 10+00+/- -L- TO STA 42+00+/- -L- AND ON -Y1-, -Y2- AND -Y3- (SEE PAVEMENT MARKING PLAN).

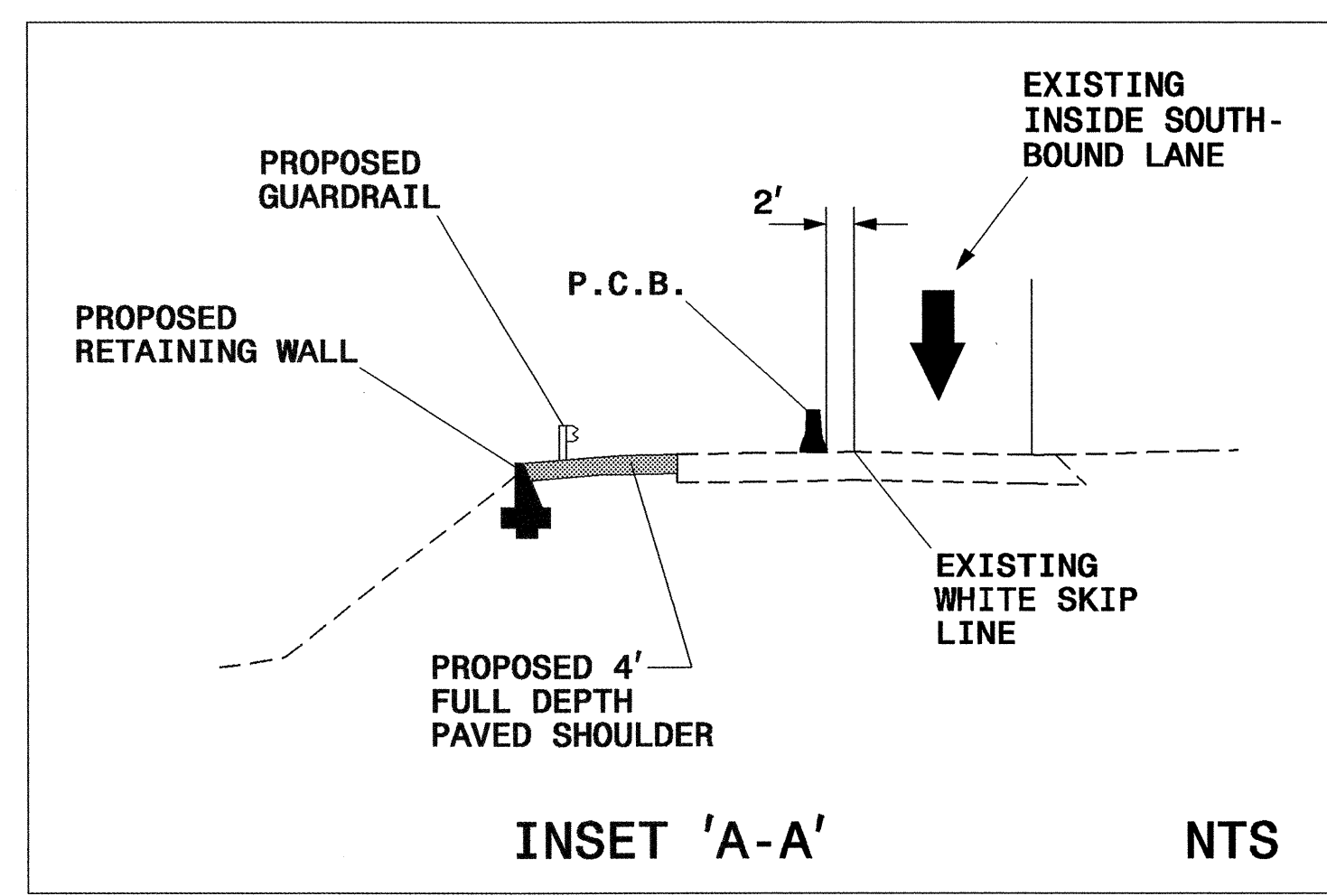
NOTE: USE RSD NO. 1101.02, SHEET 1 OF 9, WHEN PAVING AND MARKING ON -Y1-, -Y2- AND -Y3-.

STEP 6: OPEN BOTH NORTHBOUND AND SOUTHBOUND US 29/70 (-L-) AND ALL -Y- LINES TO THE FINAL FOUR-LANE DIVIDED PATTERN, REMOVE ALL WORK ZONE WARNING SIGNS AND ALL TRAFFIC CONTROL DEVICES.

13-APR-2007 12:37
H:\Trans\ncdot\B4095\TrafficControl\B4095_te_tcp03A.dgn
12054 AT RAL56KYMCI

PBS&J 1616 EAST MILLBROOK ROAD, SUITE 310
RALEIGH, NORTH CAROLINA 27609
PHONE: (919) 876-6888

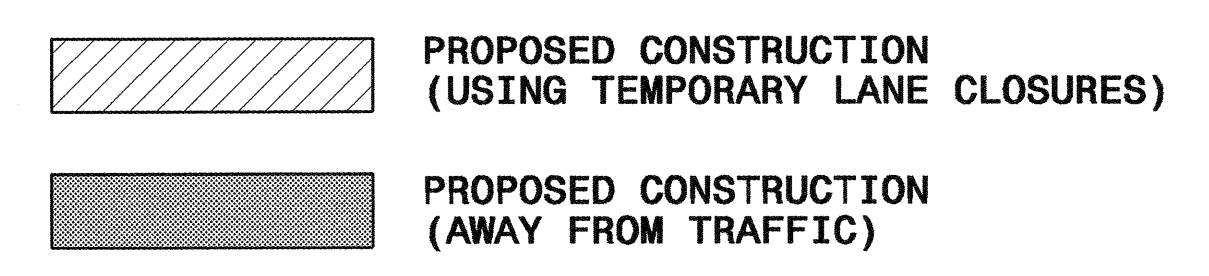
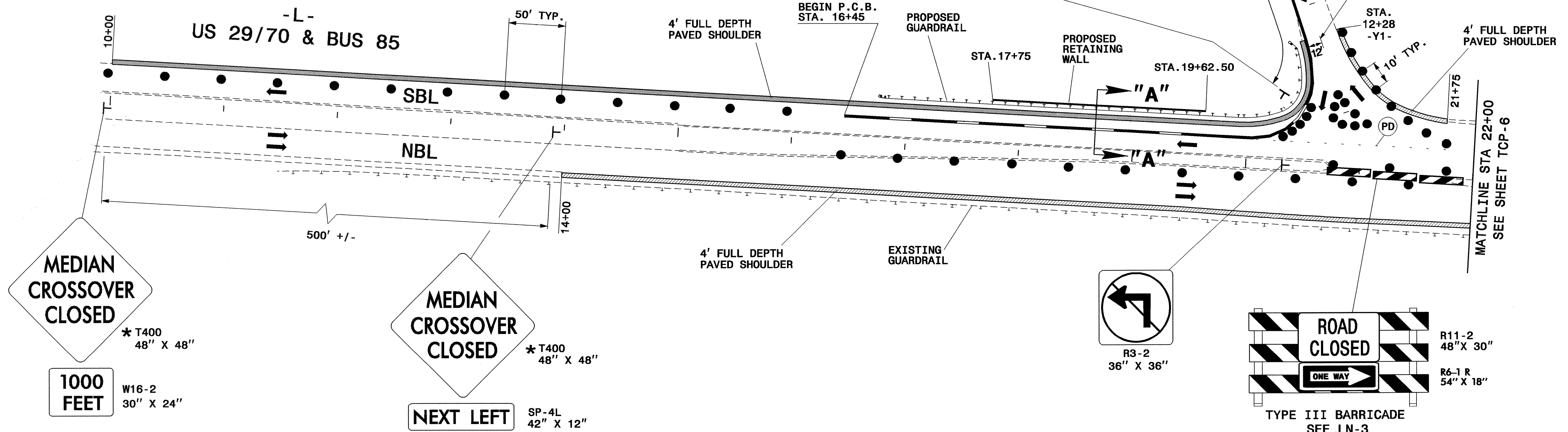
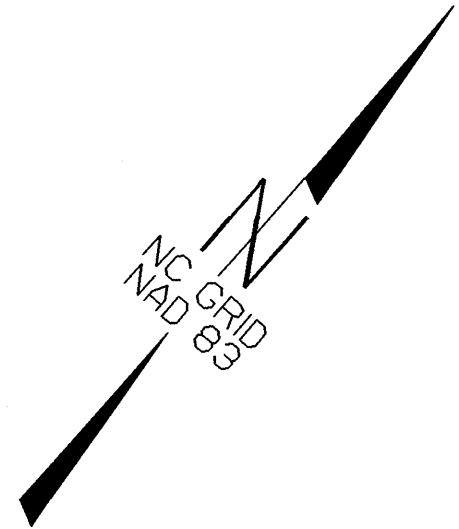
APPROVED: <i>[Signature]</i> DATE: 4/3/07 	<h3 style="margin: 0;">PROJECT PHASING PHASE III</h3>	<table border="1" style="width: 100%; border-collapse: collapse; font-size: 8px;"> <tr> <td style="width: 50%;">REVISIONS</td> <td style="width: 50%;"></td> </tr> <tr> <td> </td> <td> </td> </tr> <tr> <td> </td> <td> </td> </tr> <tr> <td> </td> <td> </td> </tr> <tr> <td> </td> <td> </td> </tr> </table>	REVISIONS									
REVISIONS												
SCALE: NONE DATE: 4/3/07 DWG. BY: JAW DESIGN BY: JAW REVIEWED BY: JTB		<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 50%;">GADD FILE</td> <td style="width: 50%;"></td> </tr> </table>	GADD FILE									
GADD FILE												



10 (-L-)

15 (-L-)

-Y1-
GREENSBORO ST.
SR 1844



* SEE SHEET TCP-24 FOR SIGN DESIGN

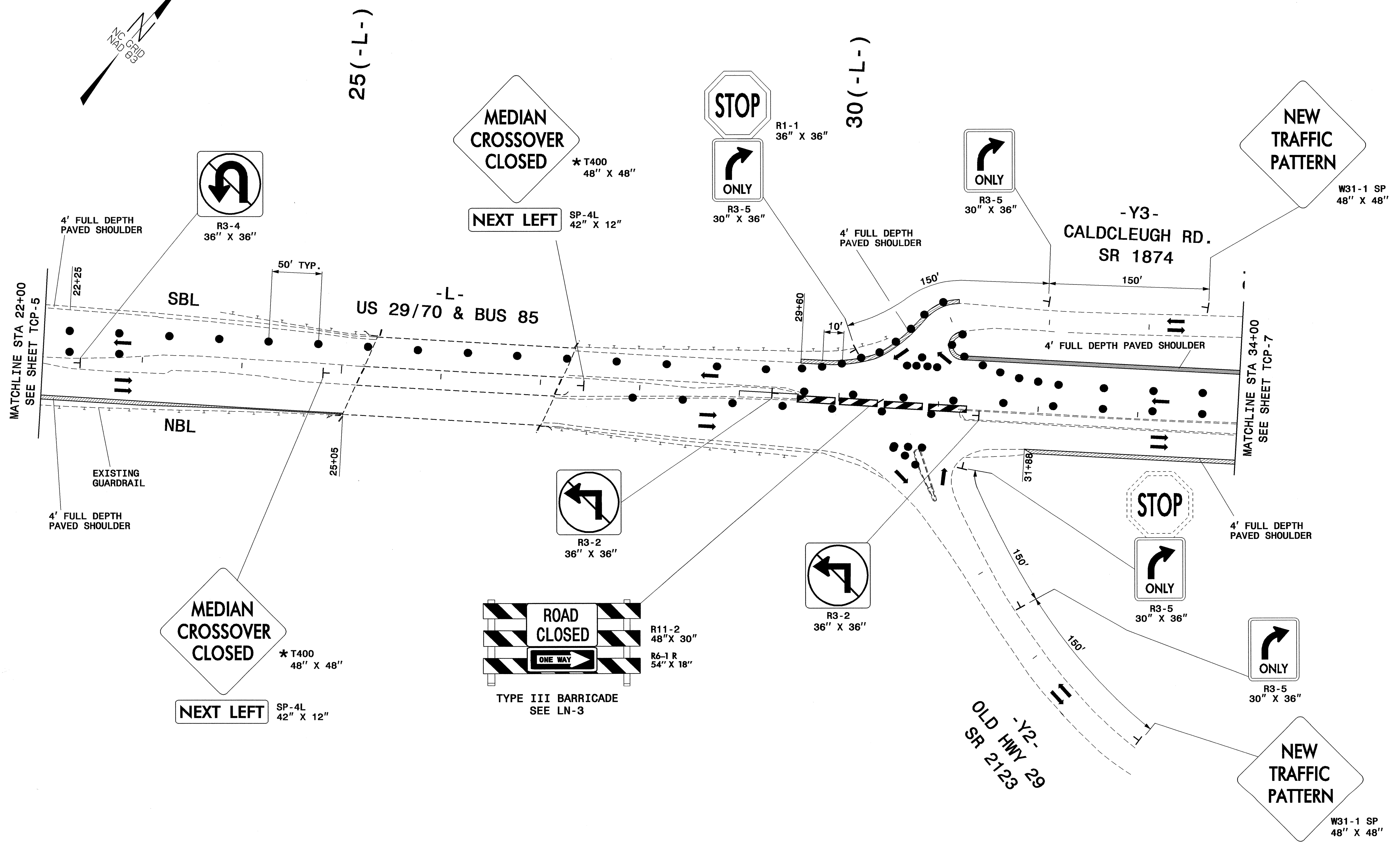
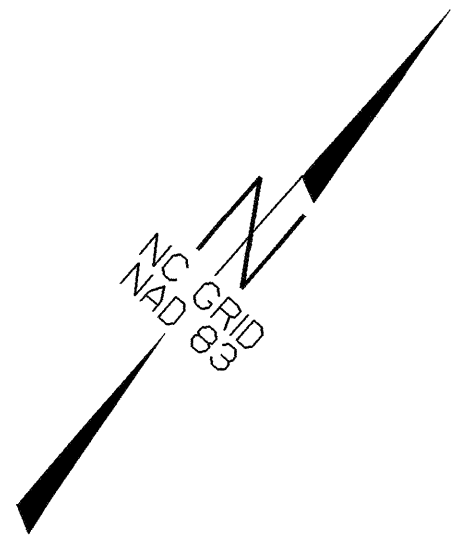
APPROVED: *[Signature]* DATE: 1/13/07



SEAL: NORTH CAROLINA PROFESSIONAL ENGINEER SEAL 17688 J. TODD BROOKS

PHASE I DETAIL		REVISIONS
SCALE: 1:50	DATE: 4/13/07	
DWG. BY: JAW	DESIGN BY: JAW	
REVIEWED BY: JTB		

PBS&J 1616 EAST MILLBROOK ROAD, SUITE 310
RALEIGH, NORTH CAROLINA 27609
PHONE: (919) 876-6888

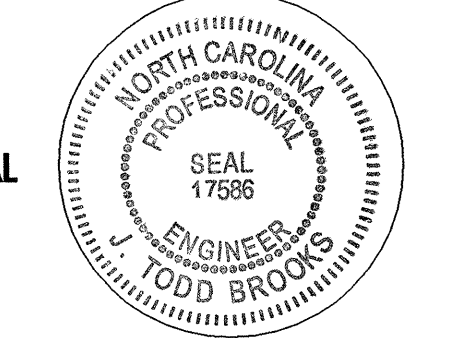
I:\APR-2007\1237
 H:\Trng\cnc\401\B4095\TrafficControl\tcp05.dgn
 2054 AT RAL5GK\YMC



 PROPOSED CONSTRUCTION (USING TEMPORARY LANE CLOSURES)
 PROPOSED CONSTRUCTION (AWAY FROM TRAFFIC)

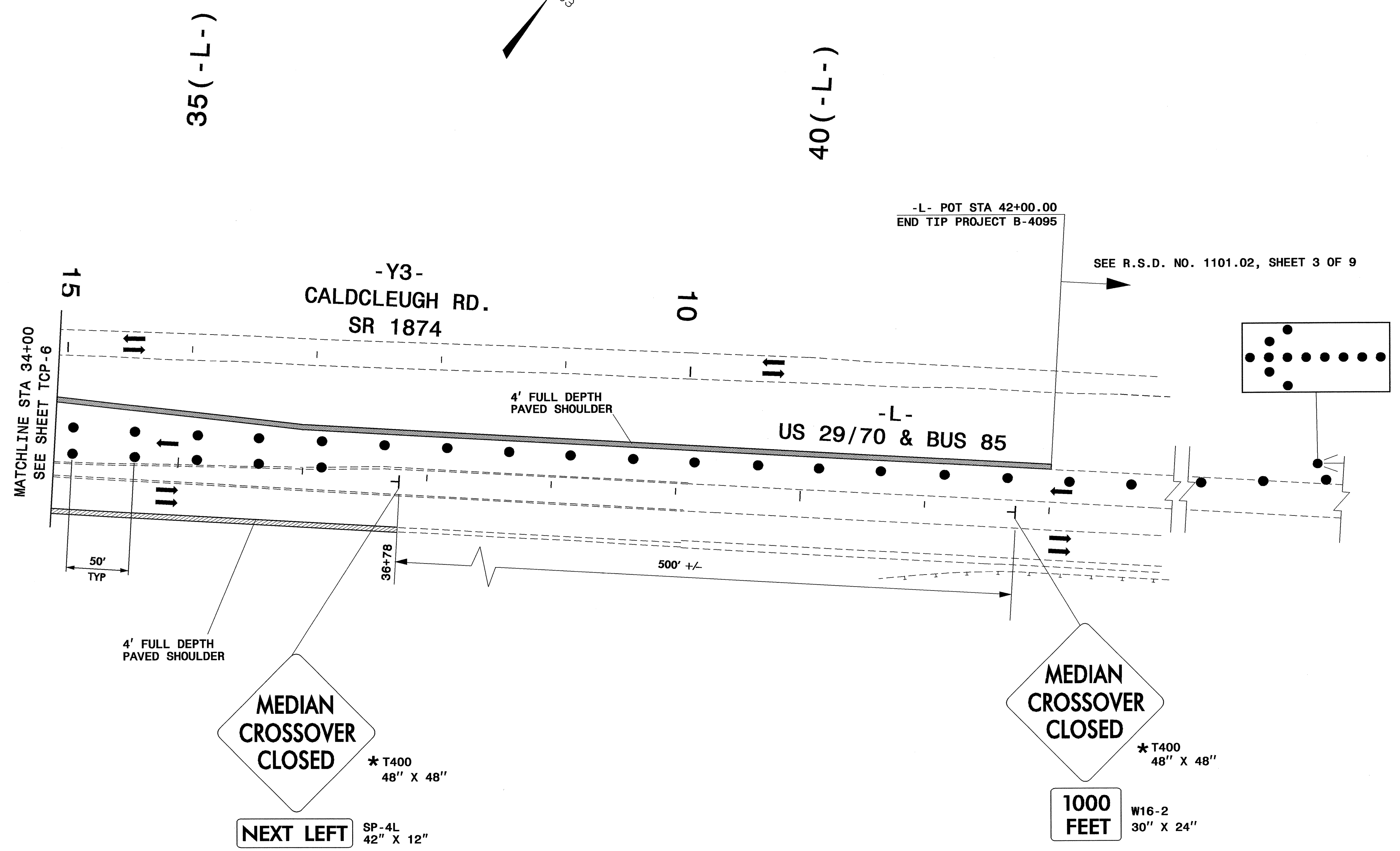
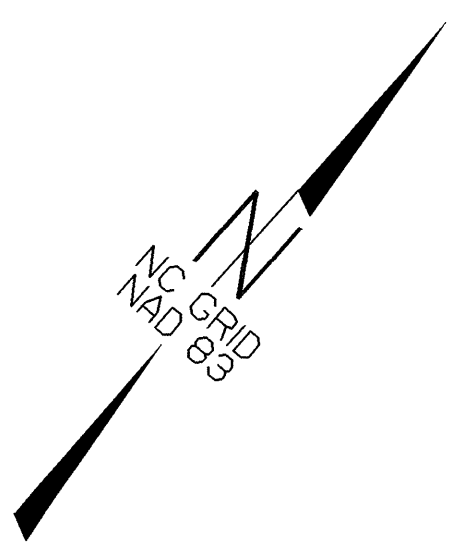
* SEE SHEET TCP-24 FOR SIGN DESIGN





APPROVED: <i>[Signature]</i> DATE: 4/30/07 	PHASE I DETAIL									
	SCALE: 1:50 DATE: 4/30/07 DWG. BY: JAW DESIGN BY: JAW REVIEWED BY: JTB	<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										

PBS&J 1616 EAST MILLBROOK ROAD, SUITE 310
 RALEIGH, NORTH CAROLINA 27609
 PHONE: (919) 876-6888

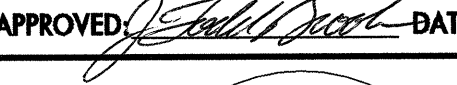

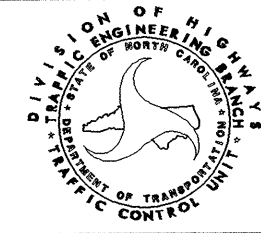
13-APR-2007 12:37
 H:\Tranis\ncdot\B4095\TrafficControl\tcp06.dgn
 I2054 AT RAL5GK YMC1



 PROPOSED CONSTRUCTION (USING TEMPORARY LANE CLOSURES)

 PROPOSED CONSTRUCTION (AWAY FROM TRAFFIC)

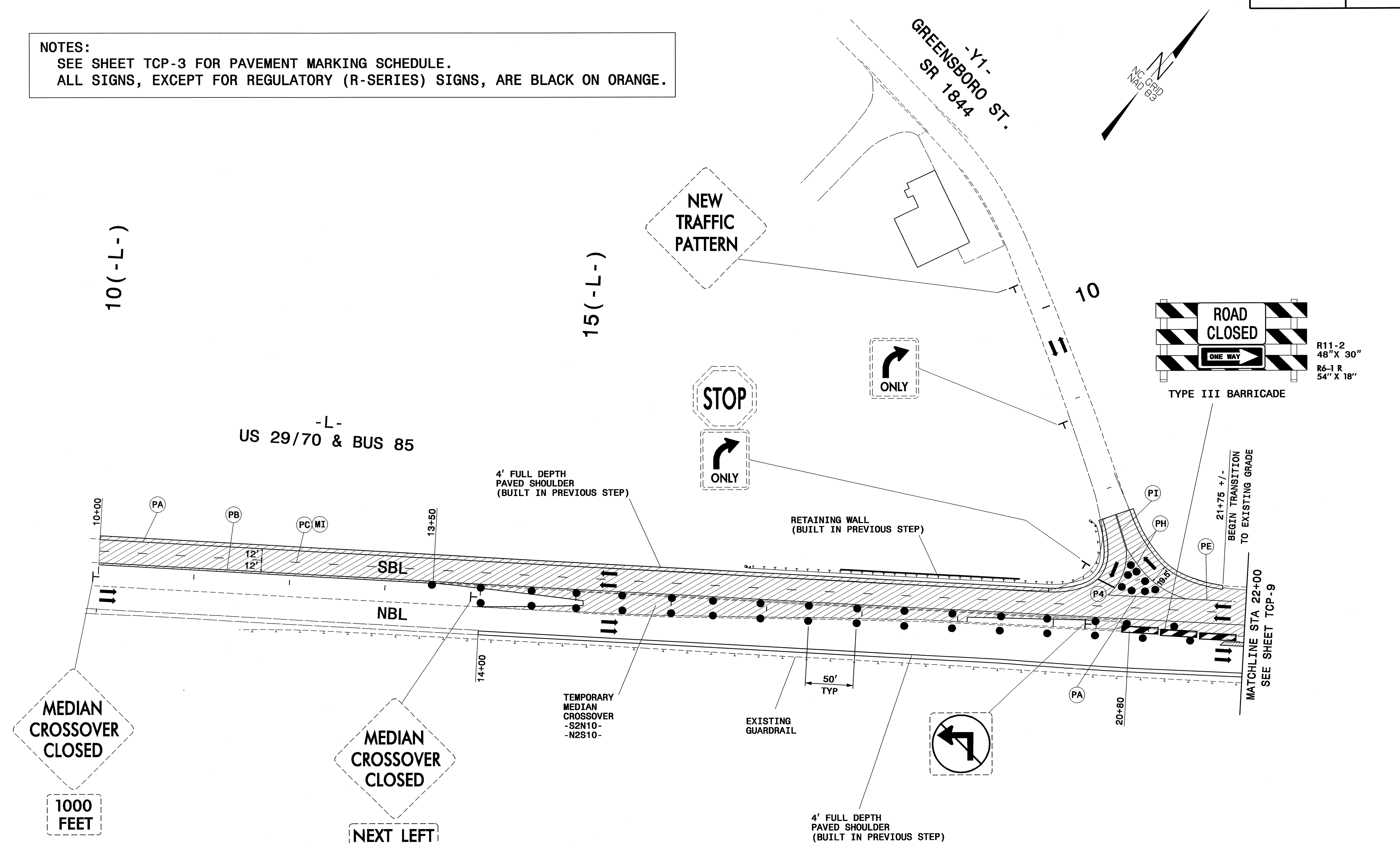
* SEE SHEET TCP-24 FOR SIGN DESIGN

APPROVED:  DATE: 7-13-07	PHASE I DETAIL	
		
SCALE: 1:50		REVISIONS
DATE: 4/13/07		
DWG. BY: JAW		
DESIGN BY: JAW		
REVIEWED BY: JTB		CARD FILE

PBS&J 1616 EAST MILLBROOK ROAD, SUITE 310
 RALEIGH, NORTH CAROLINA 27609
 PHONE: (919) 876-6888

13-APR-2007 12:37
 H:\Trns\ncdot\B4095\TrafficControl\tcp07.dgn
 12054 AT RAL5GK\YMC


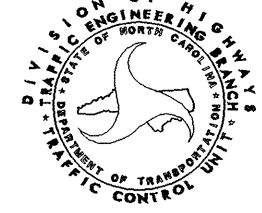
NOTES:
 SEE SHEET TCP-3 FOR PAVEMENT MARKING SCHEDULE.
 ALL SIGNS, EXCEPT FOR REGULATORY (R-SERIES) SIGNS, ARE BLACK ON ORANGE.

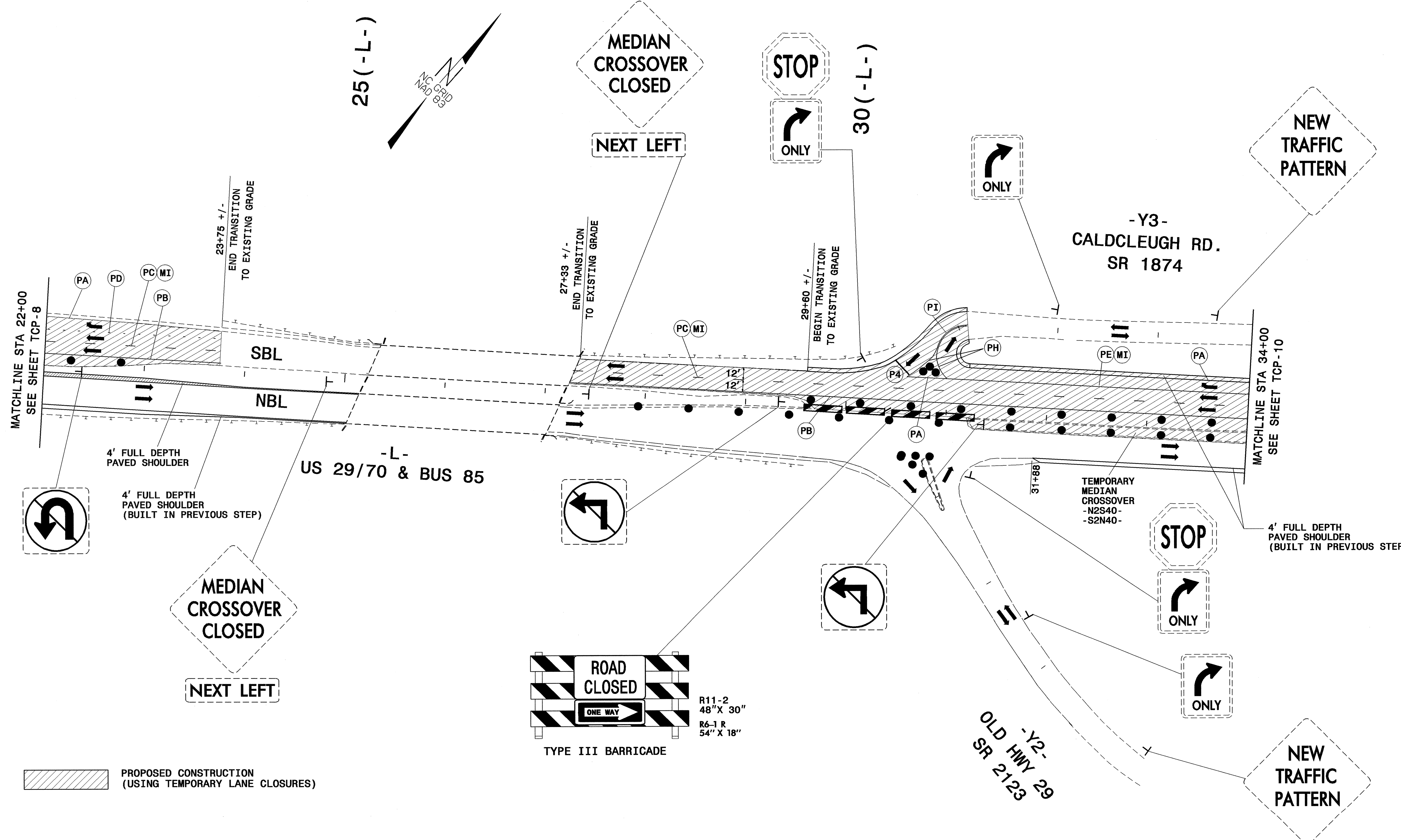


13-APR-2007 12:38
 H:\Trans\ncdot\B4095\TrafficControl\top08.dgn
 12054 AT RAL5GK\YMC

PROPOSED CONSTRUCTION
 (USING TEMPORARY LANE CLOSURES)

PBS&J 1616 EAST MILLBROOK ROAD, SUITE 310
 RALEIGH, NORTH CAROLINA 27609
 PHONE: (919) 876-6888

APPROVED: <i>[Signature]</i> DATE: 4/13/07	PHASE I DETAIL	
		
SCALE: 1:50		REVISIONS
DATE: 4/30/07		
DESIGN BY: JAW		
REVIEWED BY: JTB		



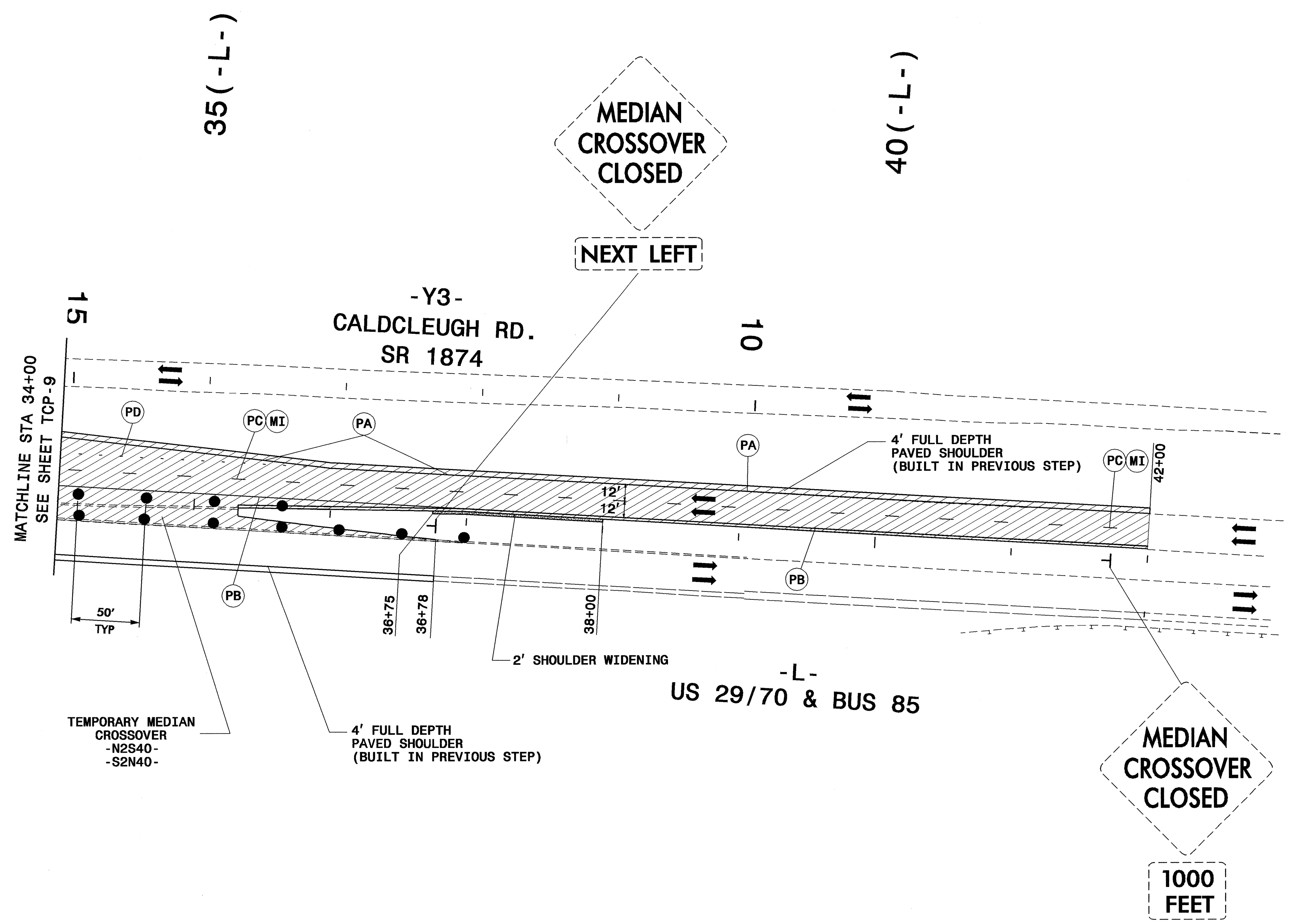
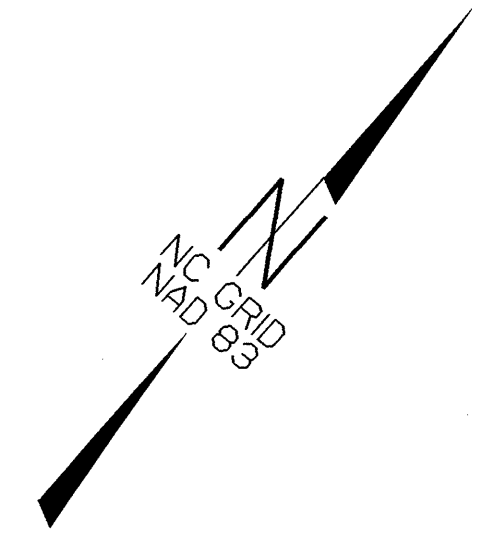
NOTES:
 SEE SHEET TCP-3 FOR PAVEMENT MARKING SCHEDULE.
 ALL SIGNS, EXCEPT FOR REGULATORY (R-SERIES) SIGNS, ARE BLACK ON ORANGE.

13-APR-2007 12:38
 H:\TrafficControl\B4095\TrafficControl\tcp09.dgn
 12054 AT RAL56K\YMC

PBS&J 1616 EAST MILLBROOK ROAD, SUITE 310
 RALEIGH, NORTH CAROLINA 27609
 PHONE: (919) 876-6888

APPROVED: <i>[Signature]</i> DATE: 4/13/07	PHASE I DETAIL	
SEAL:		
SCALE: 1:50		REVISIONS
DATE: 4/13/07		
DWG. BY: JAW		
DESIGN BY: JAW		
REVIEWED BY: JTB		CADD FILE


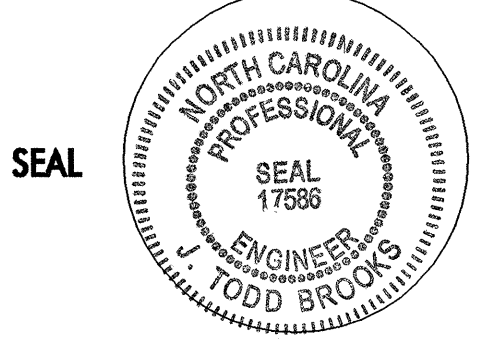
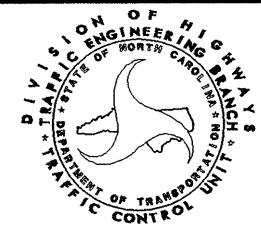
NOTES:
 SEE SHEET TCP-3 FOR PAVEMENT MARKING SCHEDULE.
 ALL SIGNS, EXCEPT FOR REGULATORY (R-SERIES) SIGNS, ARE BLACK ON ORANGE.



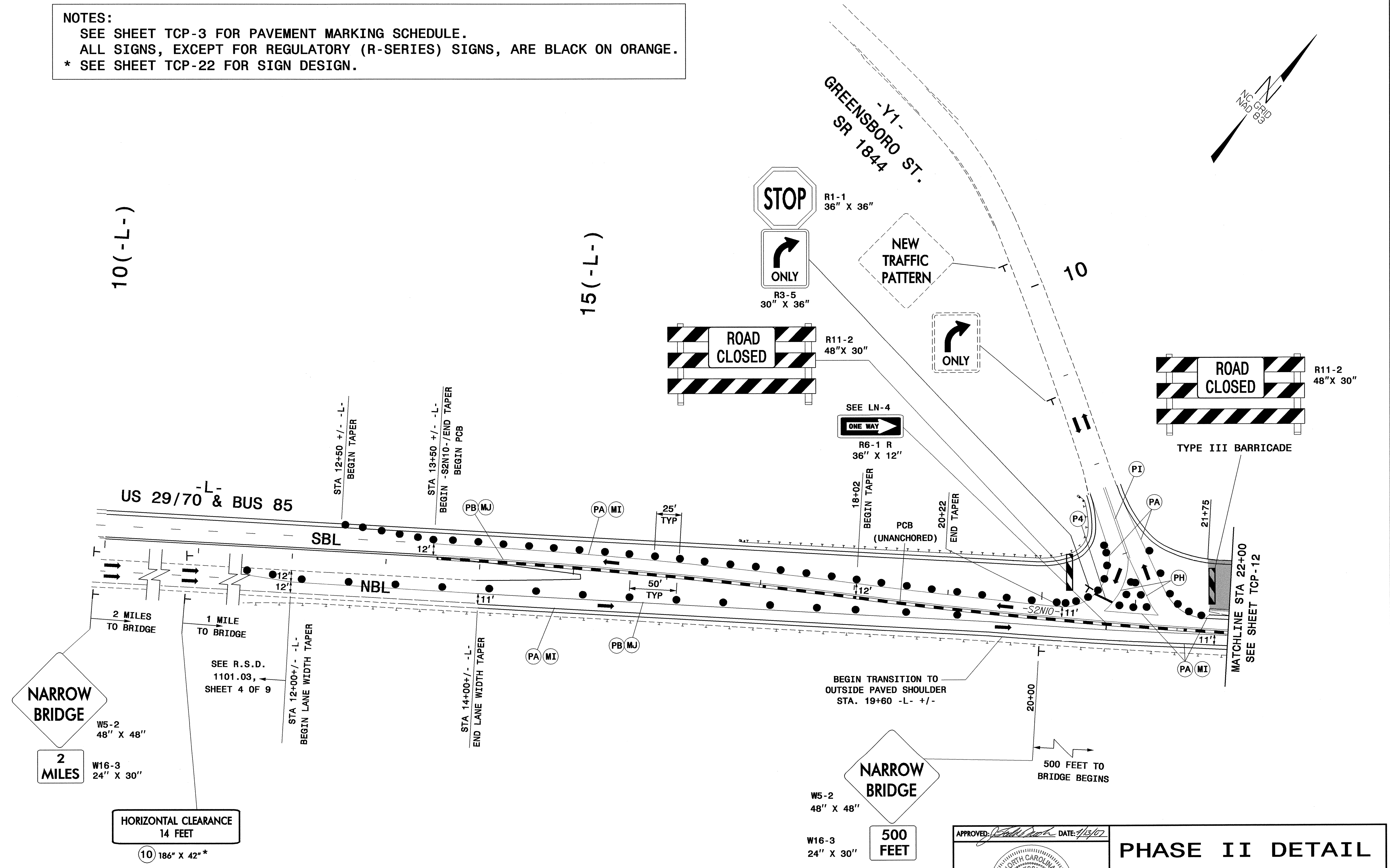
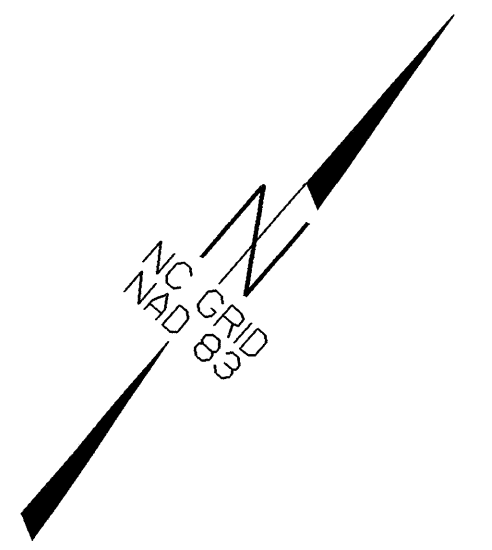
 PROPOSED CONSTRUCTION
 (USING TEMPORARY LANE CLOSURES)

13-APR-2007 12:38
 H:\Trans\ncdot\B4095\TrafficControl\tcp10.dgn
 12054 AT RAL5KYMCI

PBS&J 1616 EAST MILLBROOK ROAD, SUITE 310
 RALEIGH, NORTH CAROLINA 27609
 PHONE: (919) 876-6888

APPROVED:  DATE: 4/3/07	PHASE I DETAIL	
		
SCALE: 1:50		REVISIONS
DATE: 4/3/07		
DWG. BY: JAW		
DESIGN BY: JAW		
REVIEWED BY: JTB		CADD FILE

NOTES:
 SEE SHEET TCP-3 FOR PAVEMENT MARKING SCHEDULE.
 ALL SIGNS, EXCEPT FOR REGULATORY (R-SERIES) SIGNS, ARE BLACK ON ORANGE.
 * SEE SHEET TCP-22 FOR SIGN DESIGN.

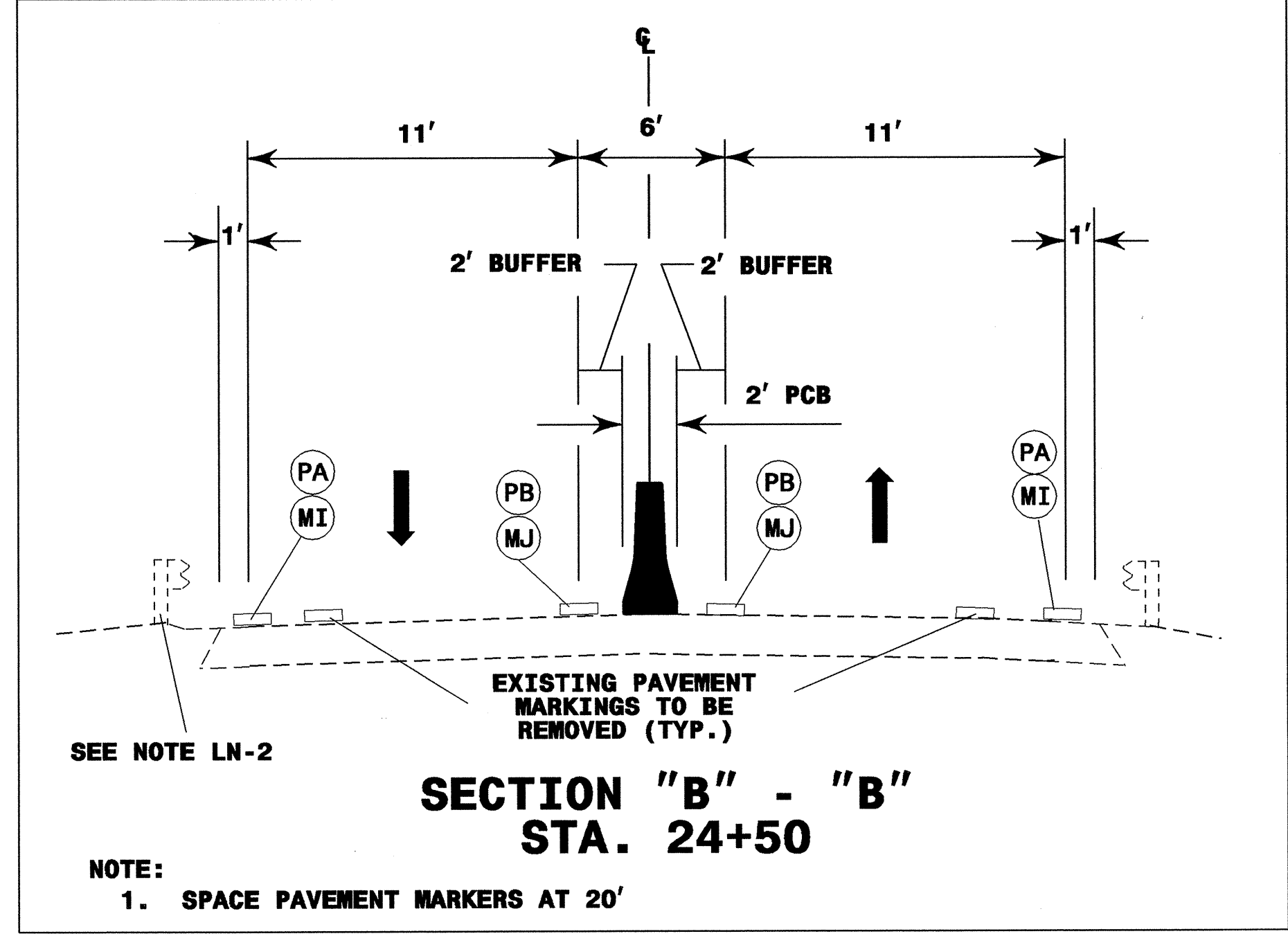
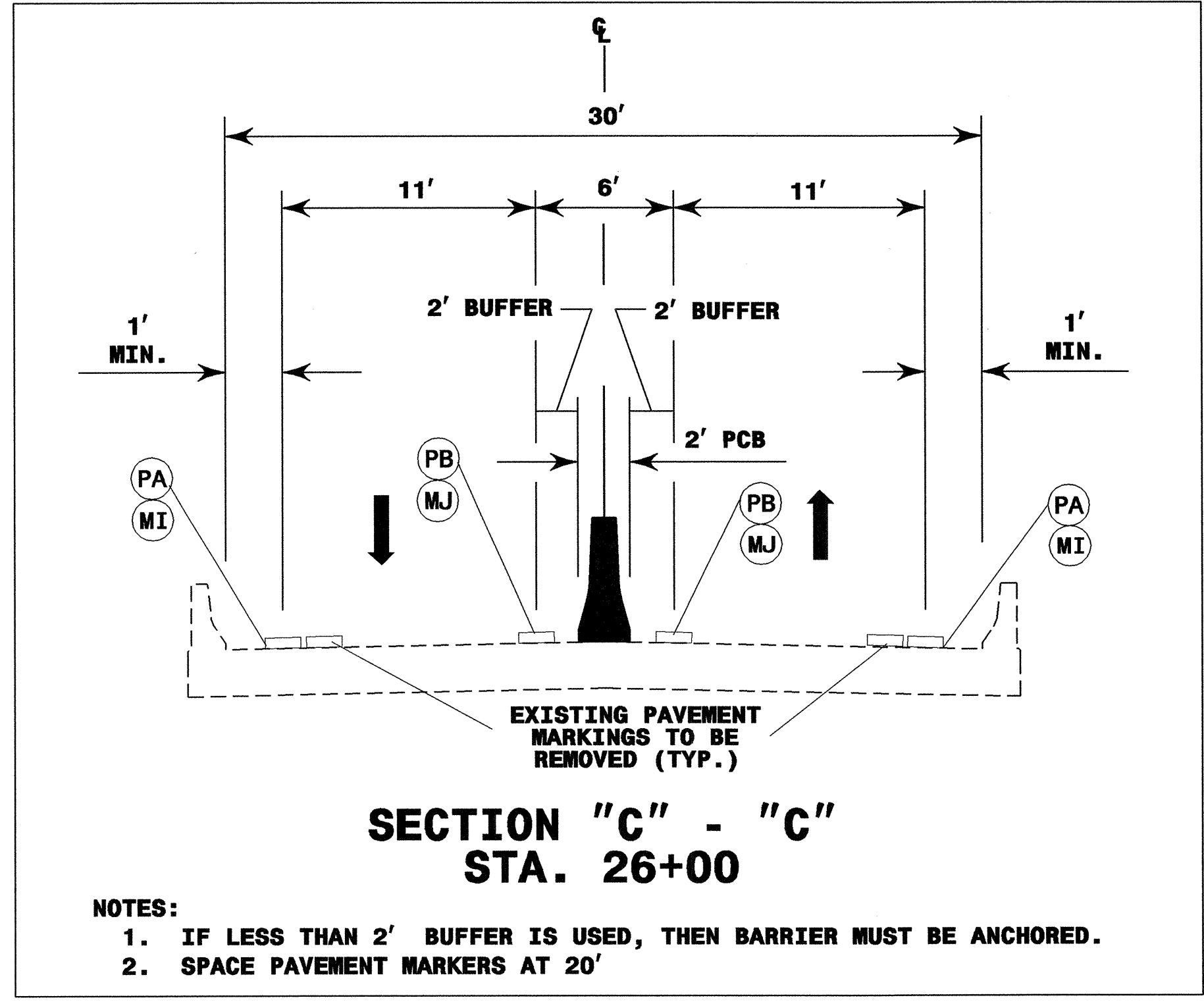
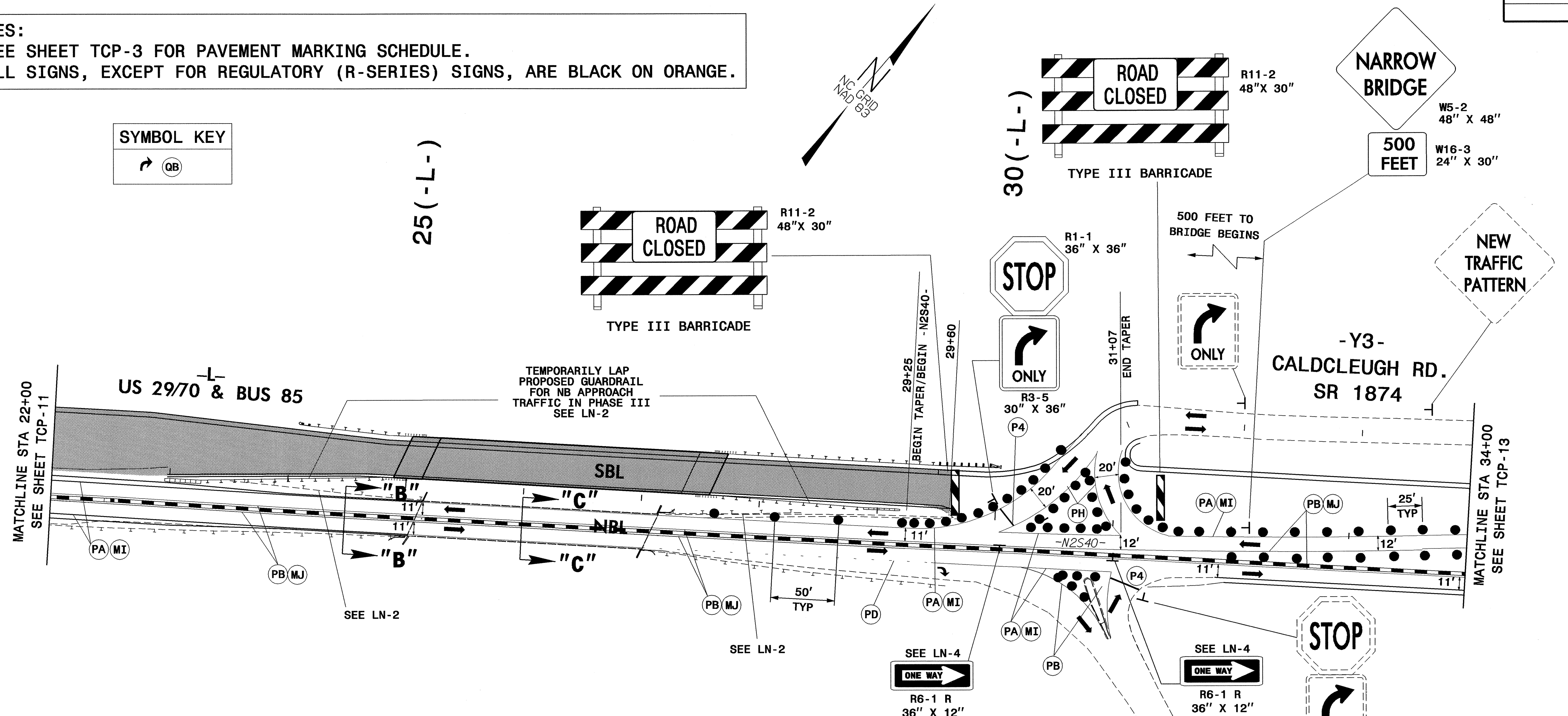
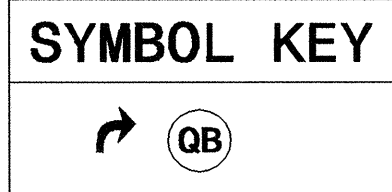


13-APR-2007 12:38
 H:\Trons\p0401\B4095\TrafficControl\cp11.dgn
 12054 AT RAL56KYMCI

PBS&J 1616 EAST MILLBROOK ROAD, SUITE 310
 RALEIGH, NORTH CAROLINA 27609
 PHONE: (919) 876-6888

APPROVED: <i>[Signature]</i> DATE: 4/13/07 	PHASE II DETAIL									
	SCALE: 1:50 DATE: 4/13/07 DWG. BY: JAW DESIGN BY: JAW REVIEWED BY: JTB	REVISIONS <table border="1"> <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>								

NOTES:
SEE SHEET TCP-3 FOR PAVEMENT MARKING SCHEDULE.
ALL SIGNS, EXCEPT FOR REGULATORY (R-SERIES) SIGNS, ARE BLACK ON ORANGE.



APPROVED: *[Signature]* DATE: 4/13/07

SEAL: *[Professional Engineer Seal for Todd Brooks, No. 47596]*

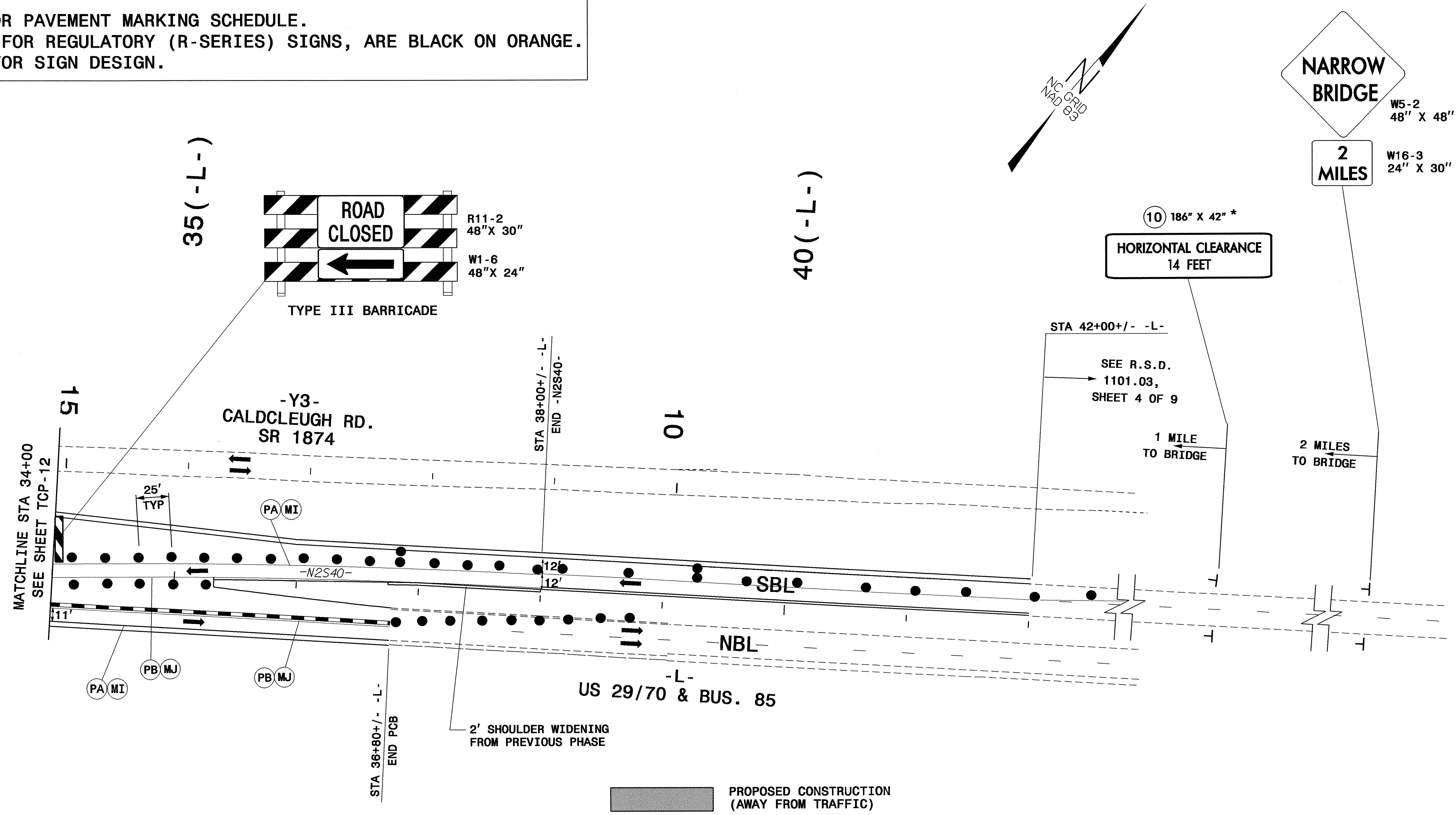
PHASE II DETAIL

SCALE: 1:50	REVISIONS
DATE: 4/13/07	
DWG. BY: JAW	
DESIGN BY: JAW	
REVIEWED BY: JTB	

1616 EAST MILLBROOK ROAD, SUITE 310
RALEIGH, NORTH CAROLINA 27609
PHONE: (919) 876-6888

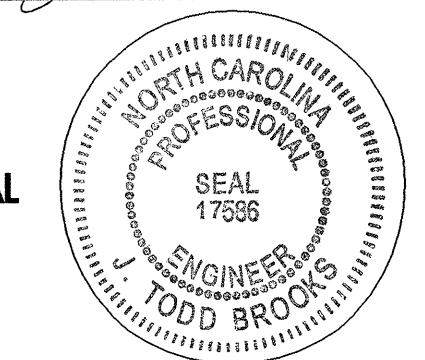
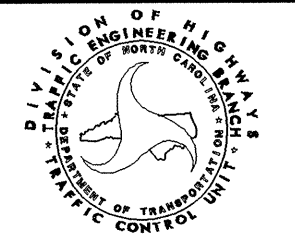
13-APR-2007 12:38
 H:\Trns\ncdot\B4095\TrafficControl\tcp12.dgn
 12054 AT RAL5GK\YMC

NOTES:
 SEE SHEET TCP-3 FOR PAVEMENT MARKING SCHEDULE.
 ALL SIGNS, EXCEPT FOR REGULATORY (R-SERIES) SIGNS, ARE BLACK ON ORANGE.
 * SEE SHEET TCP-22 FOR SIGN DESIGN.



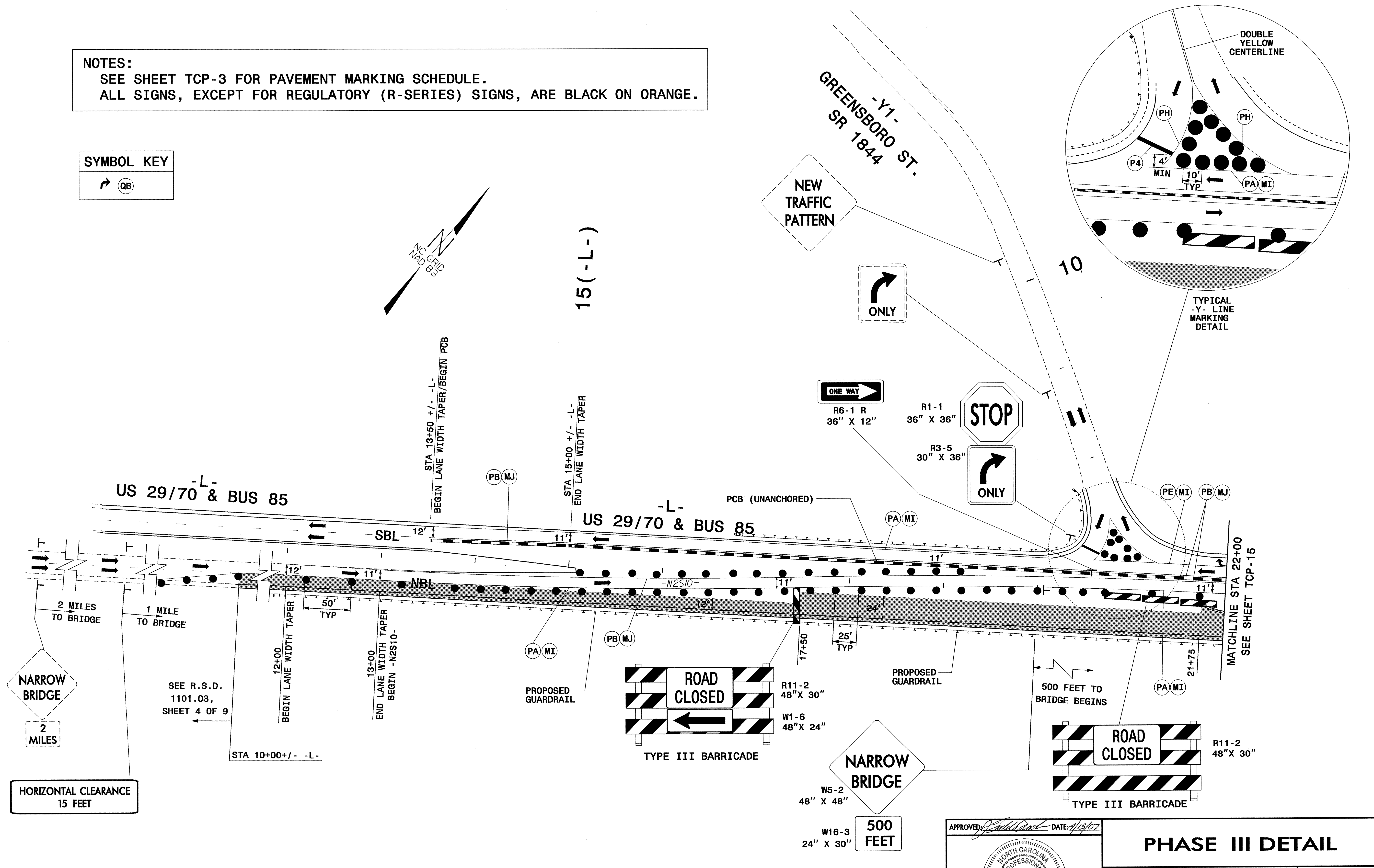
13-APR-2007 12:38
 H:\Trains\ncdot\B4095\TrafficControl\tcp13.dgn
 12054 AT RAL5GK\YMC1

PBS&J 1616 EAST MILLBROOK ROAD, SUITE 310
 RALEIGH, NORTH CAROLINA 27609
 PHONE: (919) 876-6888

APPROVED: <i>[Signature]</i> DATE: 4/13/07	PHASE II DETAIL	
		
SCALE: 1:50		REVISIONS
DATE: 4/13/07		
DWG. BY: JAW		
DESIGN BY: JAW		
REVIEWED BY: JTB		CADD FILE

NOTES:
 SEE SHEET TCP-3 FOR PAVEMENT MARKING SCHEDULE.
 ALL SIGNS, EXCEPT FOR REGULATORY (R-SERIES) SIGNS, ARE BLACK ON ORANGE.

SYMBOL KEY



NARROW BRIDGE
 2 MILES

HORIZONTAL CLEARANCE
 15 FEET

SEE R.S.D.
 1101.03,
 SHEET 4 OF 9

ROAD CLOSED
 TYPE III BARRICADE

NARROW BRIDGE
 500 FEET

ROAD CLOSED
 TYPE III BARRICADE

PROPOSED CONSTRUCTION
 (AWAY FROM TRAFFIC)

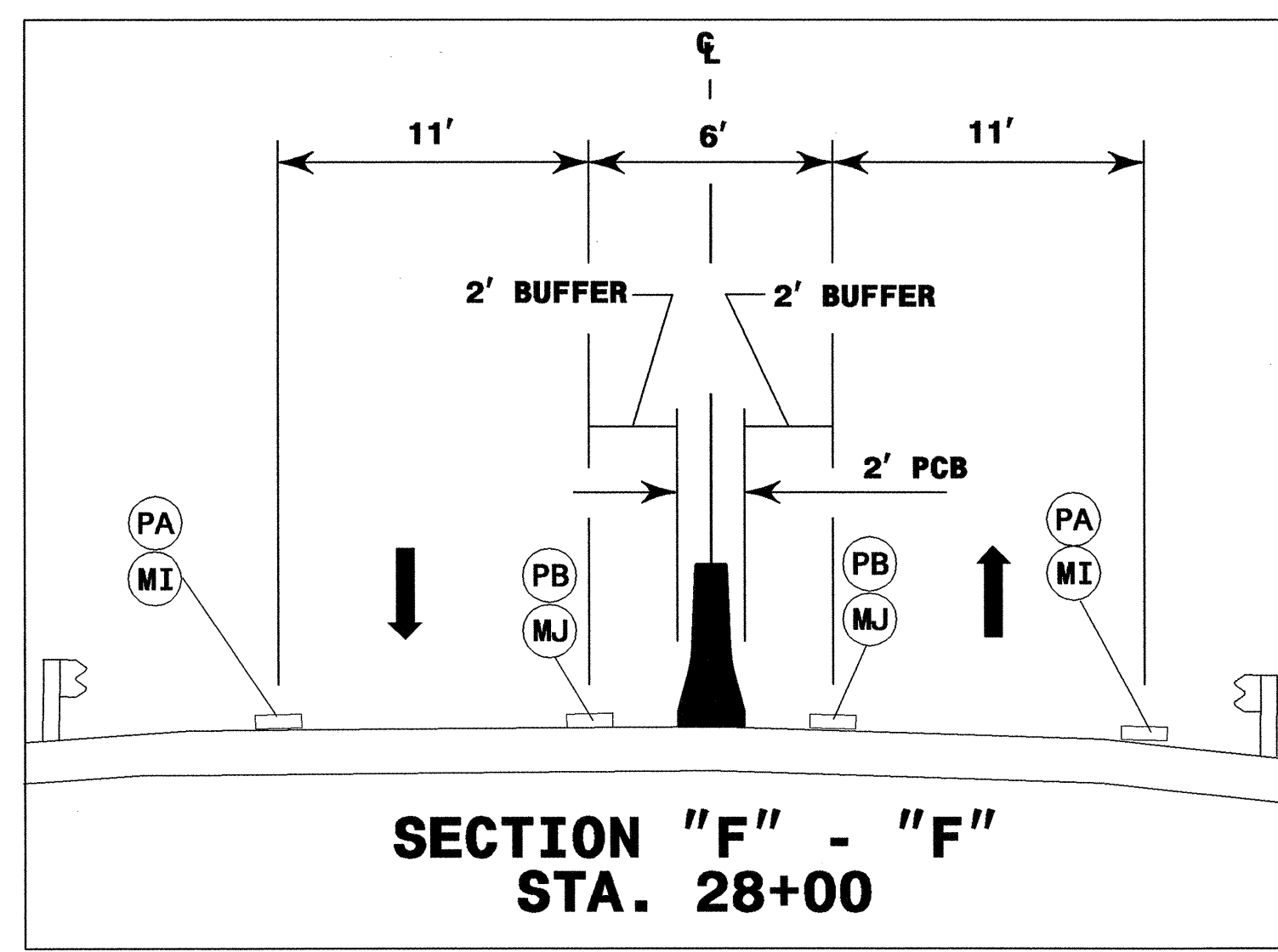
13-APR-2007 12:39
 H:\Trns\ncdot\B4095\TrafficControl\tcp14.dgn
 12054 AT RAL5GK\YMC1

PBS&J 1616 EAST MILLBROOK ROAD, SUITE 310
 RALEIGH, NORTH CAROLINA 27609
 PHONE: (919) 876-6888

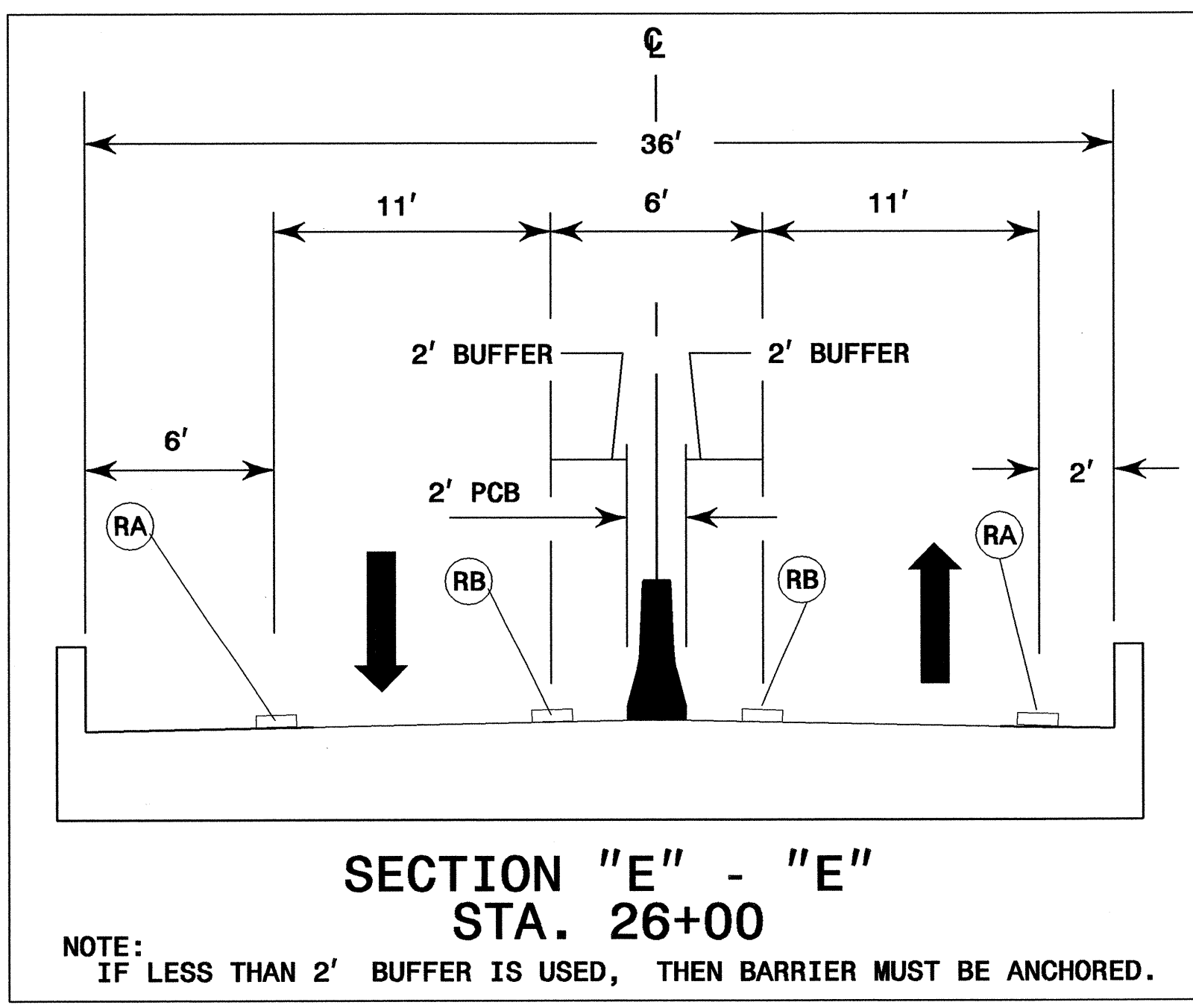
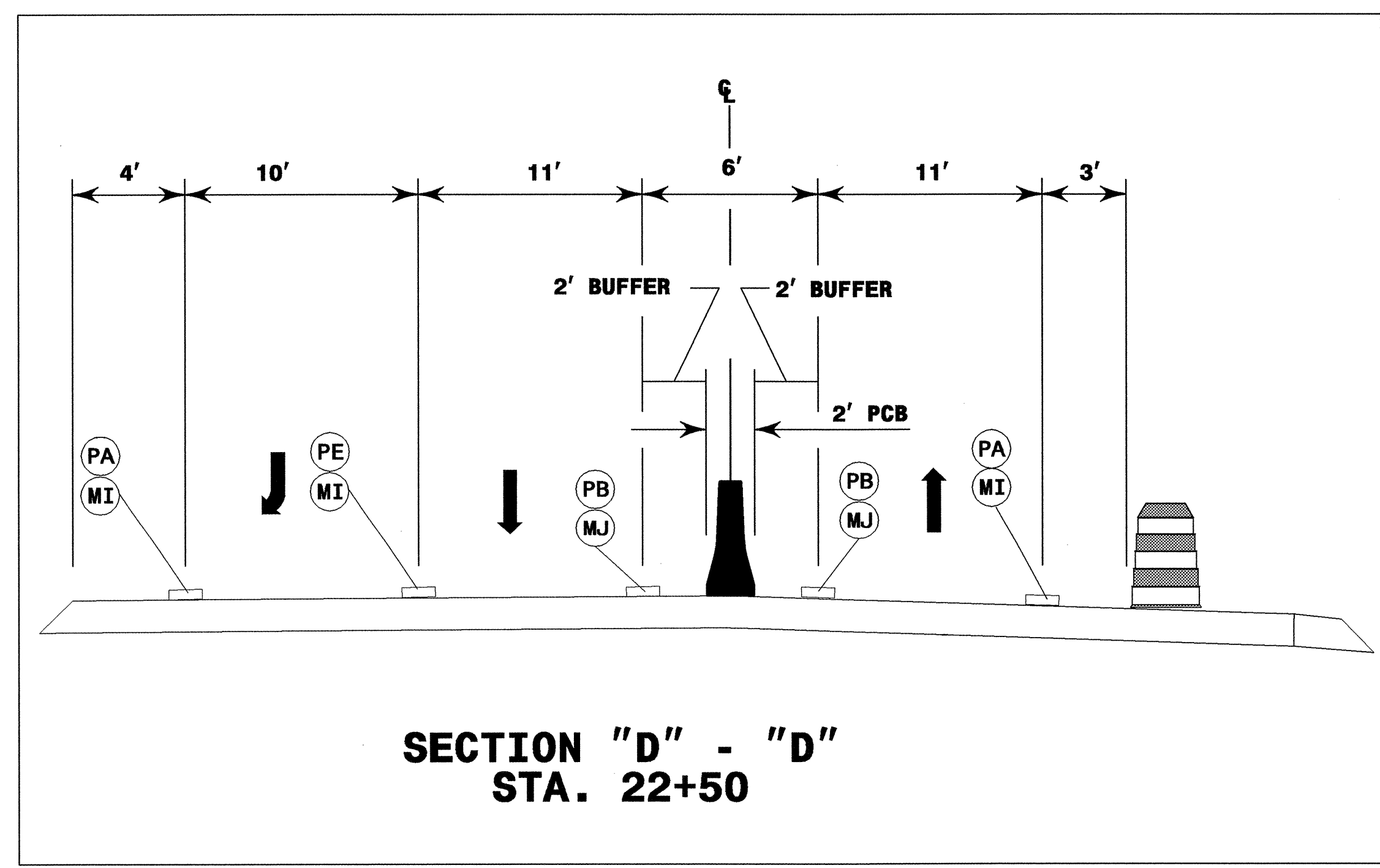
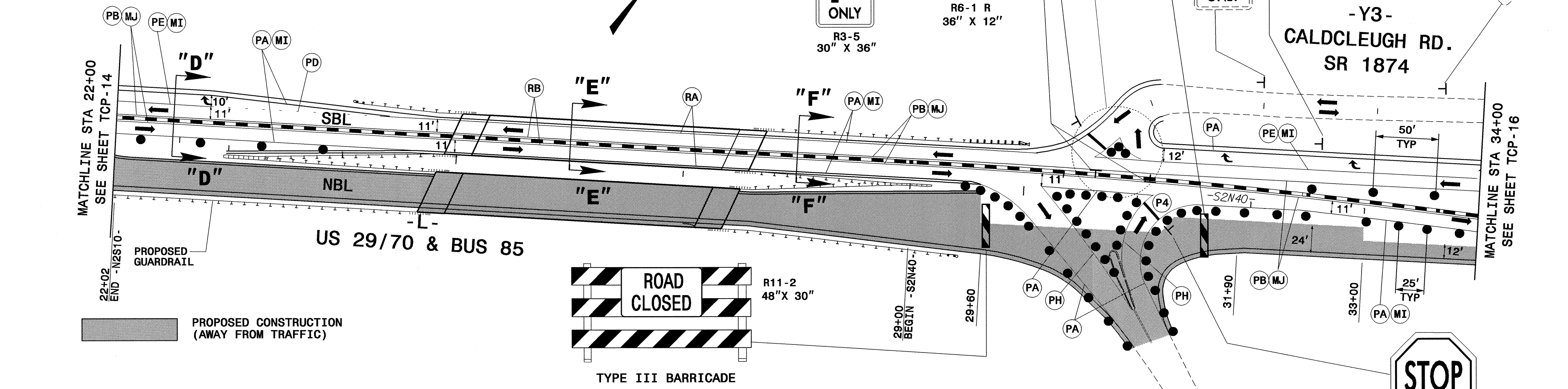
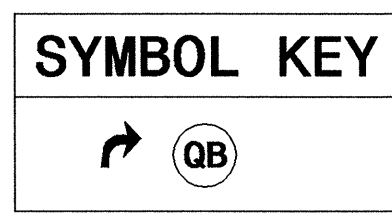
APPROVED: DATE: 4/13/07
 SEAL

PHASE III DETAIL

SCALE:	1:50		REVISIONS <table border="1"> <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>								
DATE:	4/13/07										
DESIGN BY:	JAW										
REVIEWED BY:	JTB										



NOTES:
 SEE SHEET TCP-3 FOR PAVEMENT MARKING SCHEDULE.
 ALL SIGNS, EXCEPT FOR REGULATORY (R-SERIES) SIGNS, ARE BLACK ON ORANGE.



APPROVED: *[Signature]* DATE: 4/13/07


PHASE III DETAIL

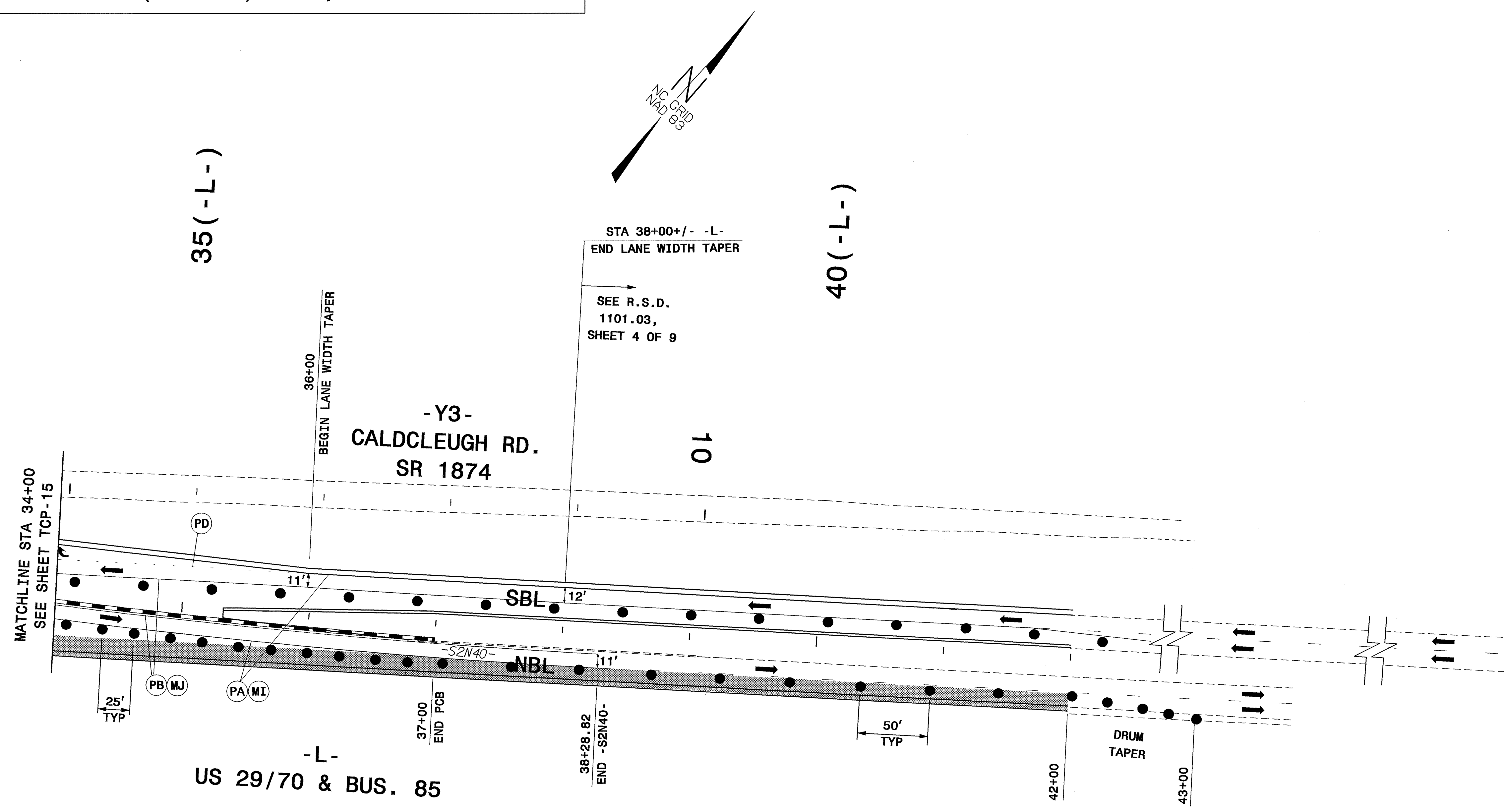
SCALE:	1:50		REVISIONS <table border="1"> <tr><td> </td><td> </td></tr> <tr><td> </td><td> </td></tr> <tr><td> </td><td> </td></tr> <tr><td> </td><td> </td></tr> <tr><td> </td><td> </td></tr> </table>										
DATE:	4/13/07												
DWG. BY:	JAW												
DESIGN BY:	JAW												
REVIEWED BY:	JTB												

PBS&J 1616 EAST MILLBROOK ROAD, SUITE 310
 RALEIGH, NORTH CAROLINA 27609
 PHONE: (919) 876-6888

13-APR-2007 12:39
 H:\Trans\ncdot\B4095\TrafficControl\tcp15.dgn
 12054 AT RAL5GK\YMC1

NOTES:
 SEE SHEET TCP-3 FOR PAVEMENT MARKING SCHEDULE.
 ALL SIGNS, EXCEPT FOR REGULATORY (R-SERIES) SIGNS, ARE BLACK ON ORANGE.


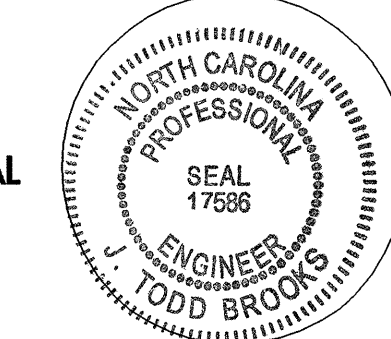
SYMBOL KEY




 PROPOSED CONSTRUCTION
 (AWAY FROM TRAFFIC)

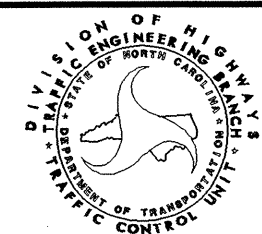
13-APR-2007 12:39
 H:\Trains\ncdot\B4095\TrafficControl\tcp16.dgn
 12054 AT RAL56K\YMC

PBS&J 1616 EAST MILLBROOK ROAD, SUITE 310
 RALEIGH, NORTH CAROLINA 27609
 PHONE: (919) 876-6888

APPROVED:  DATE: 4/13/07


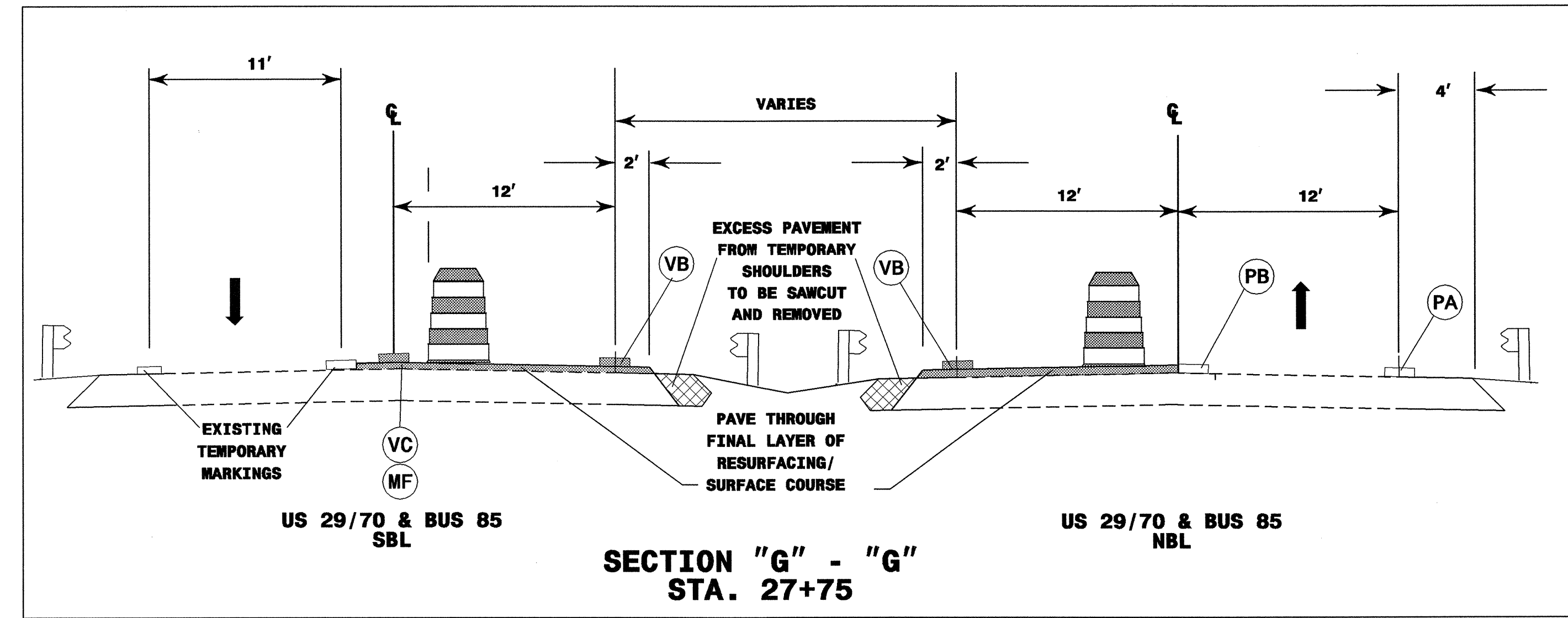
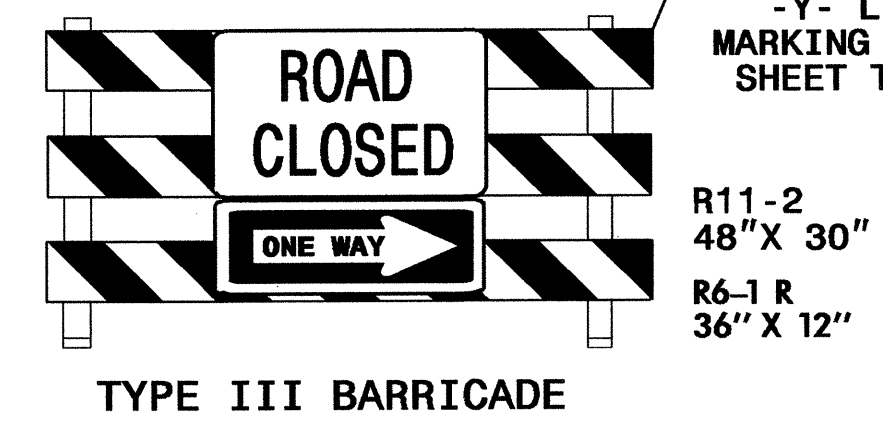
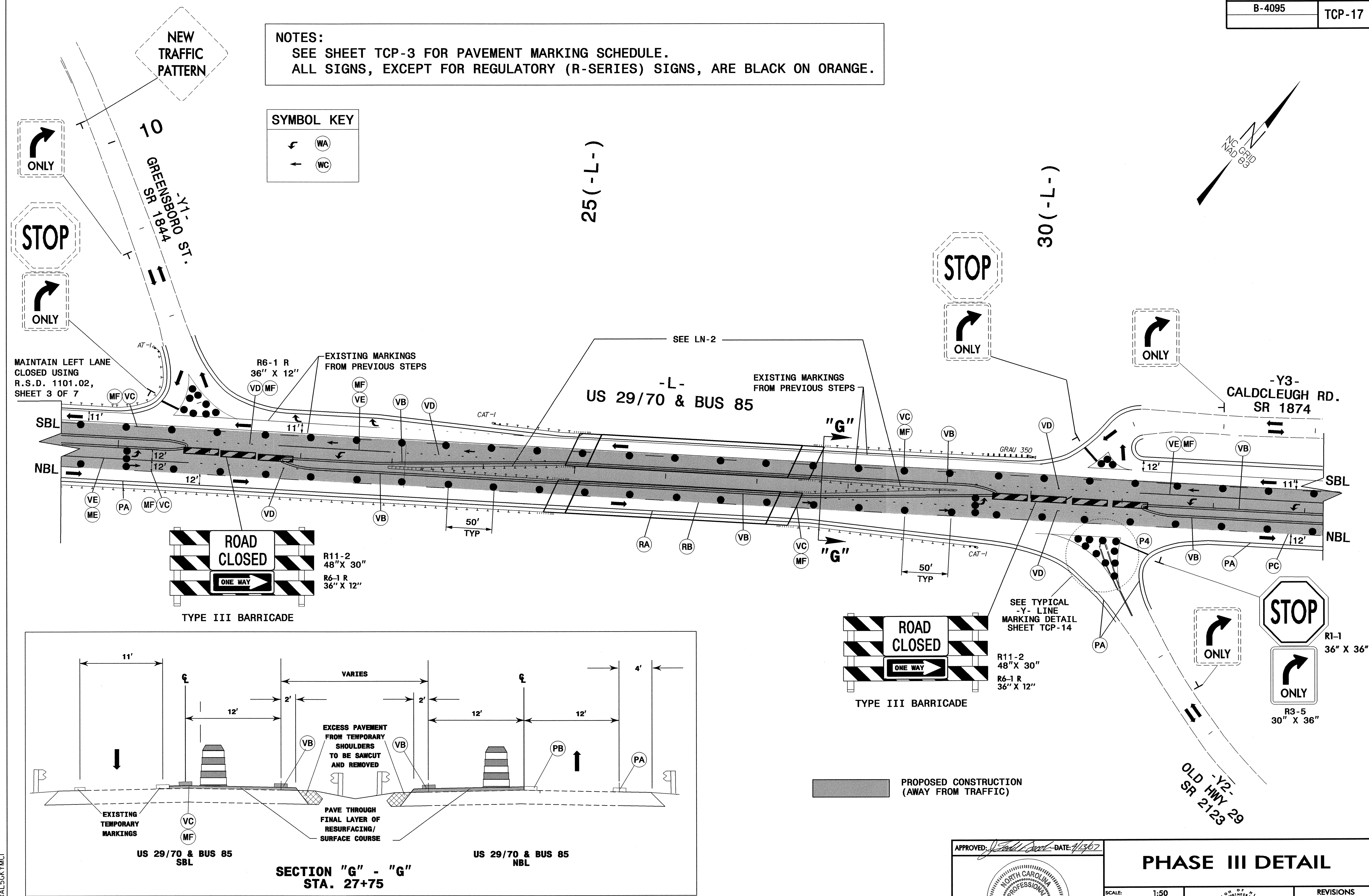
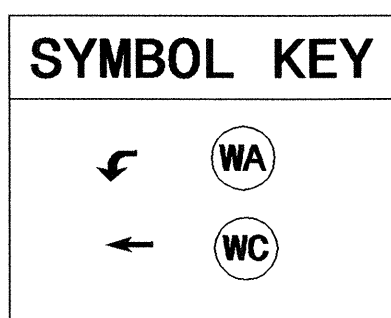
PHASE III DETAIL

SCALE: 1:50
 DATE: 4/13/07
 DWG. BY: JAW
 DESIGN BY: JAW
 REVIEWED BY: JTB



REVISIONS	

NOTES:
 SEE SHEET TCP-3 FOR PAVEMENT MARKING SCHEDULE.
 ALL SIGNS, EXCEPT FOR REGULATORY (R-SERIES) SIGNS, ARE BLACK ON ORANGE.



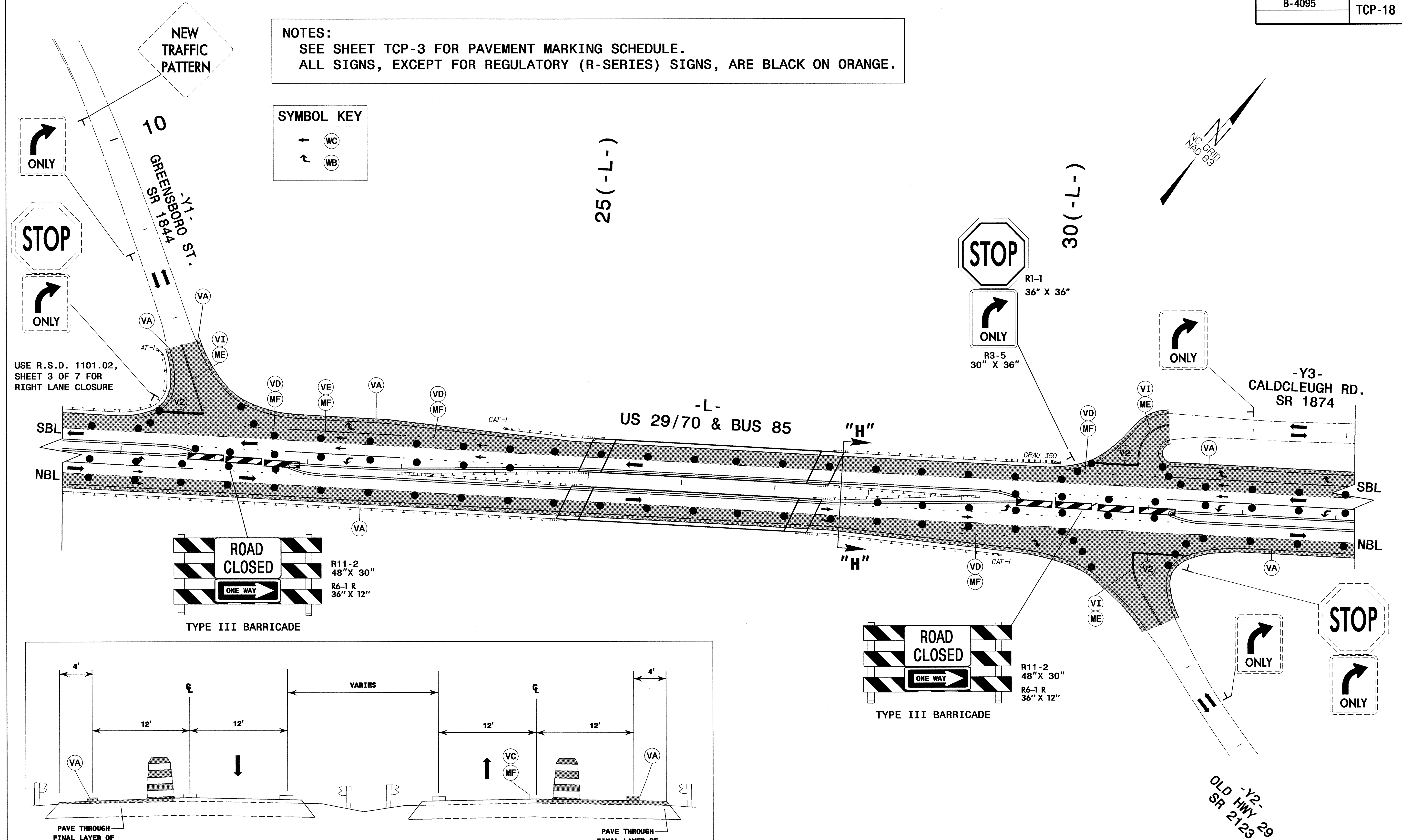
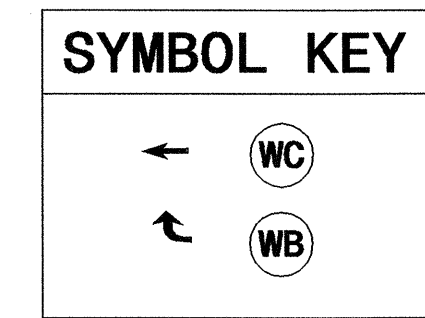
APPROVED: *[Signature]* DATE: 4/30/07

SCALE: 1:50		REVISIONS	
DWG. BY: JAW			
DESIGN BY: JAW			
REVIEWED BY: JTB			

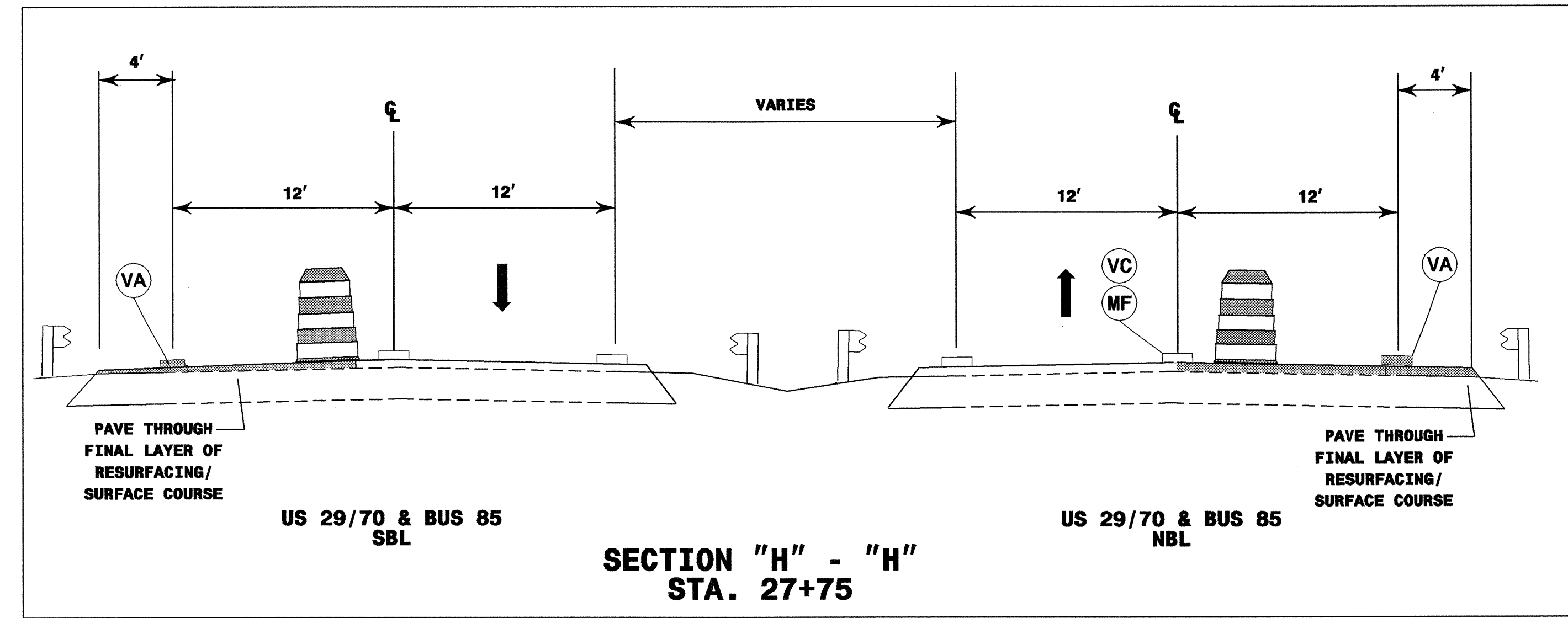
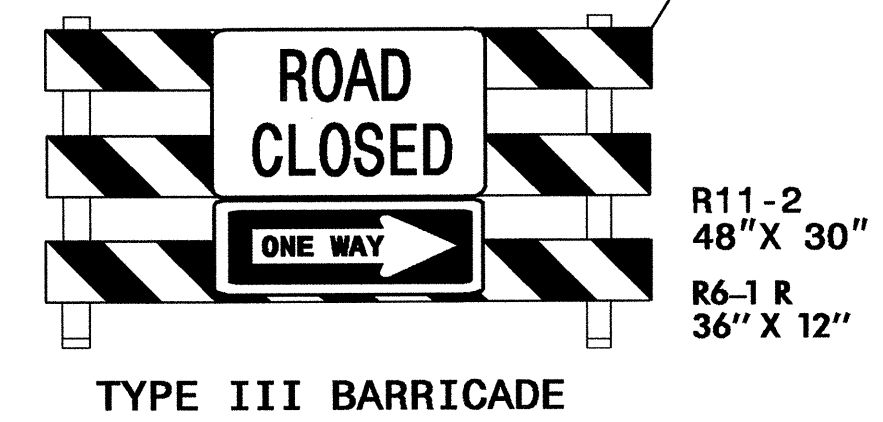
PBS&J 1616 EAST MILLBROOK ROAD, SUITE 310
 RALEIGH, NORTH CAROLINA 27609
 PHONE: (919) 876-6888

13-APR-2007 12:39
 H:\Trans\ncdot\B4095\TrafficControl\top17.dgn
 12054 AT RAL56K\YMC1

NOTES:
 SEE SHEET TCP-3 FOR PAVEMENT MARKING SCHEDULE.
 ALL SIGNS, EXCEPT FOR REGULATORY (R-SERIES) SIGNS, ARE BLACK ON ORANGE.



USE R.S.D. 1101.02,
 SHEET 3 OF 7 FOR
 RIGHT LANE CLOSURE

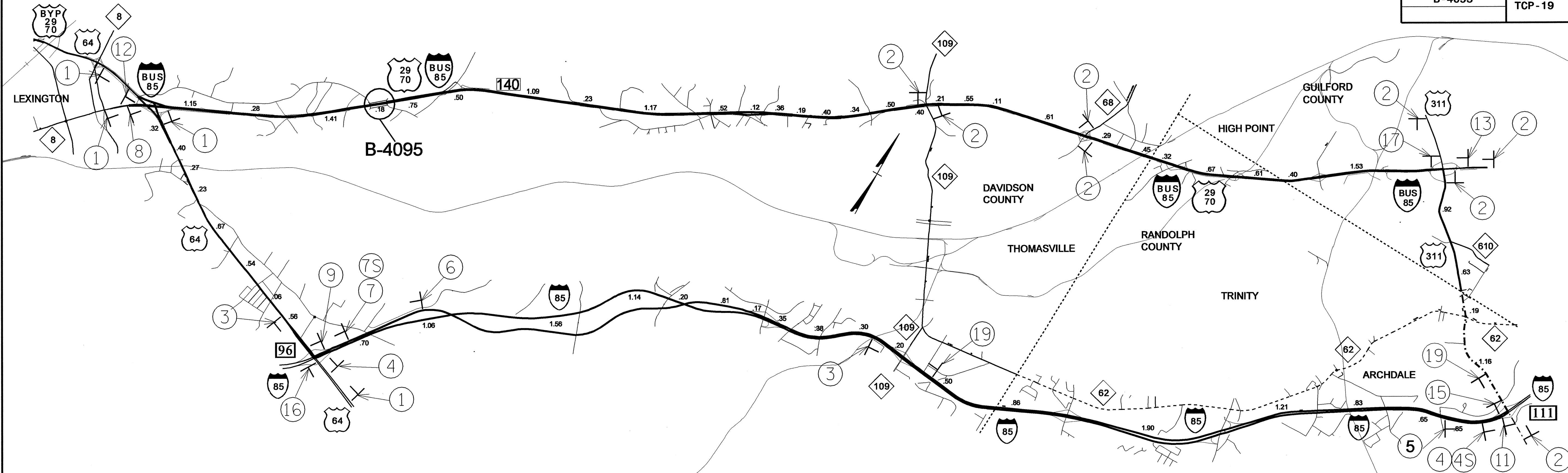


APPROVED: *[Signature]* DATE: 4/13/07

SEAL: NORTH CAROLINA PROFESSIONAL ENGINEER SEAL 17686 J. TODD BROOKS

PHASE III DETAIL

SCALE:	1:50	REVISIONS
DATE:	4/13/07	
DWG. BY:	JAW	
DESIGN BY:	JAW	
REVIEWED BY:	JTB	CADD FILE



① NO OVERSIZED VEHICLES ON NORTH

② NO OVERSIZED VEHICLES ON SOUTH

③ OVERSIZED VEHICLES FOR NORTH USE I-85 NORTH

4S OVERSIZED VEHICLES FOR NORTH

⑤ OVERSIZED VEHICLES FOR NORTH USE EXIT 111

⑥ OVERSIZED VEHICLES FOR SOUTH USE EXIT 96

7S OVERSIZED VEHICLES FOR SOUTH

⑧ OVERSIZED VEHICLES USE US-64 EAST →

⑨ OVERSIZED VEHICLES USE US-64 WEST →

* ⑩ HORIZONTAL CLEARANCE 14 FEET

⑪ ← OVERSIZED VEHICLES USE US-311 NORTH

⑫ ↑ OVERSIZED VEHICLES USE US-64 EAST

⑬ ← OVERSIZED VEHICLES USE US-311 SOUTH

⑭ DELETED

⑮ OVERSIZED VEHICLES USE I-85 SOUTH →

⑯ ← OVERSIZED VEHICLES USE I-85 NORTH

⑰ ↑ OVERSIZED VEHICLES USE US-311 SOUTH

⑱ DELETED

⑲ OVERSIZED VEHICLES FOR SOUTH USE I-85 SOUTH

* SEE SHEETS TCP-11, TCP-13, TCP-14 & TCP-16 FOR APPLICATION

NOTES:

- ALL SIGNS ARE BLACK ON ORANGE. SEE SHEETS TCP-20 THRU TCP-24 FOR SIGN DESIGNS.
- TYPE "A" SIGN SHALL BE ERECT WITH BOTTOM OF SIGN ASSEMBLY AT LEAST 7 FT. ABOVE THE EDGE OF TRAVEL LANE.
- TYPE "A" SIGN SHALL BE ERECT WITH THE LEFT EDGE OF SIGN INSTALL MINIMUM, 18 FT. FROM THE EDGE OF TRAVEL LANE TO THE EDGE OF SIGN, WITH A PREFERRED 30 FT. FROM EDGE OF TRAVEL LANE TO EDGE OF SIGN.
- ERECT EACH SIGN ON THREE 6 INCH X 6 INCH WOOD POSTS.
- UNLESS OTHERWISE NOTED ON PLANS, ALL SIGNS SHOULD BE LOCATED BY THE CONTRACTOR AND APPROVED BY THE RESIDENT ENGINEER.
- SIGNS SHALL BE MEASURED AND PAID FOR UNDER "WORK ZONE SIGNS (STATIONARY)".....SF.

SIGN ERECTION SHALL BE MEASURED AND PAID FOR UNDER "SIGN ERECTION, TYPE A & B (GROUND MOUNTED)".....EA.

SIGN SUPPORTS SHALL BE MEASURED AND PAID FOR UNDER "SUPPORTS, WOOD (6 IN X 6 IN).....LF.

APPROVED: DATE: 1/13/07

SEAL

DETOUR ROUTE FOR OVERSIZED VEHICLES

SCALE:	NONE		REVISIONS
DATE:	04/04		
DWG. BY:	TAG		
DESIGN BY:	TAG		
REVIEWED BY:	JWG		

SIGN NUMR: TYPE: A Ground
 BACKG. COLOR: Fluorescent Orange
 COPY COLOR: Black
 DESIGN BY: DME
 PROJECT ID: B-4096
 CHK BY: DIV: 9
 STD #: DATE: Oct 15, 2003
 H. C. DEPARTMENT OF TRANSPORTATION
 DIVISION OF HIGHWAYS
 TRAFFIC ENGINEERING BRANCH
 SIGNING DEPARTMENT

SIGN WIDTH: 13'-0"
 HEIGHT: 5'-0"
 TOTAL AREA: 65.0 Sq.Ft.
 MAT'L: 0.125 in. ALUMINUM
 BORDER TYPE: RECESSED
 RECESS: 1.5"
 WIDTH: 2.5"
 RADII: 6"
 NO. Z BARS: 2
 LENGTH: 148.0 in.

SYMBOL	X	Y	WID	HT
US_ODD	70	11	24	24
BUS_NC	36	11	24	24

DESIGNATION ①
QUANTITY = 4

BORDER R=6"
 TH=2.5"
 IN=1.5"

USE NOTES: 1,3,4
 1. Legend and border shall be direct applied non-reflective sheeting.
 2. Legend and border shall be direct applied Type I reflective sheeting.
 3. Shields shall be Type III reflective sheeting on 0.032" aluminum and demountable.
 4. Background shall be Type VII, VIII, or IX reflective sheeting.
 5. Background shall be Type I reflective sheeting.
 6. Center arrow(s) vertically on sign.

Letter spacings are to start of next letter

Series/Size	Text Length
N O O V E R S I Z E D V E H I C L E S	DB
10.4 7.3 5.6 8 7.1 7.5 6.4 6.9 7.3 3.2 6.9 6.4 5.4 8 7.5 6.4 7.3 3.2 6.9 6.4 6.4 5.4 10.4	135.3
N O R T H	EB
102 8.4 8.7 8 7.5 6.4 15	39.1
O N	EB
15 8.7 6.4 126	15.1

Spacing Factor is 1 unless specified otherwise

SIGN NUMR: TYPE: A Ground
 BACKG. COLOR: Fluorescent Orange
 COPY COLOR: Black
 DESIGN BY: DME
 PROJECT ID: B-4096
 CHK BY: DIV: 9
 STD #: DATE: Oct 15, 2003
 H. C. DEPARTMENT OF TRANSPORTATION
 DIVISION OF HIGHWAYS
 TRAFFIC ENGINEERING BRANCH
 SIGNING DEPARTMENT

SIGN WIDTH: 13'-0"
 HEIGHT: 6'-0"
 TOTAL AREA: 78.0 Sq.Ft.
 MAT'L: 0.125 in. ALUMINUM
 BORDER TYPE: RECESSED
 RECESS: 1.5"
 WIDTH: 2.5"
 RADII: 6"
 NO. Z BARS: 2
 LENGTH: 148.0 in.

SYMBOL	X	Y	WID	HT
US_ODD	74.8	24	24	24
BUS_NC	40.8	24	24	24

DESIGNATION ③
QUANTITY = 2

BORDER R=6"
 TH=2.5"
 IN=1.5"

USE NOTES: 1,3,4
 1. Legend and border shall be direct applied non-reflective sheeting.
 2. Legend and border shall be direct applied Type I reflective sheeting.
 3. Shields shall be Type III reflective sheeting on 0.032" aluminum and demountable.
 4. Background shall be Type VII, VIII, or IX reflective sheeting.
 5. Background shall be Type I reflective sheeting.
 6. Center arrow(s) vertically on sign.

Letter spacings are to start of next letter

Series/Size	Text Length
O V E R S I Z E D V E H I C L E S	DB
20.8 7.1 7.5 6.4 6.9 7.3 3.2 6.9 6.4 5.4 8 7.5 6.4 7.3 3.1 6.9 6.4 6.4 5.4 20.8	114.4
N O R T H	EB
106.8 8.4 8.7 8 7.5 6.4 10.2	39.1
F O R	EB
10.2 7.5 8.7 6.4 123.2	22.6
U S E I - 8 5 N O R T H	DB
30.7 7.3 7.3 4.9 8 3.2 7.9 7.3 7.3 8 7.3 7.5 6.9 6.4 5.4 30.7	94.7

Spacing Factor is 1 unless specified otherwise

SIGN NUMR: TYPE: A Ground
 BACKG. COLOR: Fluorescent Orange
 COPY COLOR: Black
 DESIGN BY: DME
 PROJECT ID: B-4096
 CHK BY: DIV: 9
 STD #: DATE: Oct 15, 2003
 H. C. DEPARTMENT OF TRANSPORTATION
 DIVISION OF HIGHWAYS
 TRAFFIC ENGINEERING BRANCH
 SIGNING DEPARTMENT

SIGN WIDTH: 13'-0"
 HEIGHT: 5'-0"
 TOTAL AREA: 65.0 Sq.Ft.
 MAT'L: 0.125 in. ALUMINUM
 BORDER TYPE: RECESSED
 RECESS: 1.5"
 WIDTH: 2.5"
 RADII: 6"
 NO. Z BARS: 2
 LENGTH: 148.0 in.

SYMBOL	X	Y	WID	HT
US_ODD	70	11	24	24
BUS_NC	36	11	24	24

DESIGNATION ②
QUANTITY = 8

BORDER R=6"
 TH=2.5"
 IN=1.5"

USE NOTES: 1,3,4
 1. Legend and border shall be direct applied non-reflective sheeting.
 2. Legend and border shall be direct applied Type I reflective sheeting.
 3. Shields shall be Type III reflective sheeting on 0.032" aluminum and demountable.
 4. Background shall be Type VII, VIII, or IX reflective sheeting.
 5. Background shall be Type I reflective sheeting.
 6. Center arrow(s) vertically on sign.

Letter spacings are to start of next letter

Series/Size	Text Length
N O O V E R S I Z E D V E H I C L E S	DB
10.4 7.3 5.6 8 7.1 7.5 6.4 6.9 7.3 3.2 6.9 6.4 5.4 8 7.5 6.4 7.3 3.2 6.9 6.4 6.4 5.4 10.4	135.3
S O U T H	EB
102 8 8.7 8 7.5 6.4 15.4	38.6
O N	EB
15 8.7 6.4 126	15.1

Spacing Factor is 1 unless specified otherwise

SIGN NUMR: TYPE: A Ground
 BACKG. COLOR: Fluorescent Orange
 COPY COLOR: Black
 DESIGN BY: DME
 PROJECT ID: B-4096
 CHK BY: DIV: 9
 STD #: DATE: Oct 15, 2003
 H. C. DEPARTMENT OF TRANSPORTATION
 DIVISION OF HIGHWAYS
 TRAFFIC ENGINEERING BRANCH
 SIGNING DEPARTMENT

SIGN WIDTH: 13'-0"
 HEIGHT: 6'-6"
 TOTAL AREA: 84.5 Sq.Ft.
 MAT'L: 0.125 in. ALUMINUM
 BORDER TYPE: RECESSED
 RECESS: 1.5"
 WIDTH: 2.5"
 RADII: 6"
 NO. Z BARS: 2
 LENGTH: 148.0 in.

SYMBOL	X	Y	WID	HT
US_ODD	74.8	32.7	24	24
BUS_NC	40.8	32.7	24	24
ARMD	68.3	7.3	15.3	25

DESIGNATION ④
QUANTITY = 2

BORDER R=6"
 TH=2.5"
 IN=1.5"

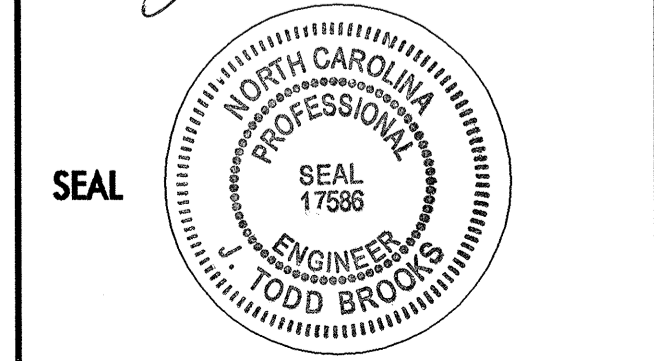
USE NOTES: 1,3,4
 1. Legend and border shall be direct applied non-reflective sheeting.
 2. Legend and border shall be direct applied Type I reflective sheeting.
 3. Shields shall be Type III reflective sheeting on 0.032" aluminum and demountable.
 4. Background shall be Type VII, VIII, or IX reflective sheeting.
 5. Background shall be Type I reflective sheeting.
 6. Center arrow(s) vertically on sign.

Letter spacings are to start of next letter

Series/Size	Text Length
O V E R S I Z E D V E H I C L E S	DB
20.8 7.1 7.5 6.4 6.9 7.3 3.2 6.9 6.4 5.4 8 7.5 6.4 7.3 3.2 6.9 6.4 6.4 5.4 20.8	114.4
N O R T H	EB
106.8 8.4 8.7 8 7.5 6.4 10.2	39.1
F O R	EB
10.2 7.5 8.7 6.4 123.2	22.6

Spacing Factor is 1 unless specified otherwise

APPROVED: *J. Todd Brooks* DATE: 1/13/07



WIDE LOAD DETOUR SIGNS

SCALE: NONE	REVISIONS
DATE: 09/03	
DWG. BY: TAG	
DESIGN BY: TAG	
REVIEWED BY: JWG	

13-APR-2007 14:04
 H:\Trans\ncdot\B4095\TrafficContr\B4095_fe_sigdetails5.dgn
 2054 AT RAL56KYMCI

SIGN NUMR: TYPE: B Ground BACKG. COLOR: Fluorescent Orange COPY COLOR: Black DESIGN BY: DME PROJECT ID: B-4096 CHK BY: DIV: 9 STD #: DATE: Oct 15, 2003

SIGN WIDTH: 5'-6" HEIGHT: 2'-0" TOTAL AREA: 11.0 Sq.Ft. MAT'L: 0.125 in. ALUMINUM

BORDER TYPE: RECESSED RECESS: 0.75" WIDTH: 1.25" RADII: 3"

NO. Z BARS: 2 LENGTH: 58.0 in.

SYMBOL	X	Y	WID	HT
US_ODD	75	24	24	24
BUS_NC	41	24	24	24

DESIGNATION 4S QUANTITY = 1

BORDER R=3" TH=1.25" IN=0.75"

USE NOTES: 1,4
 1. Legend and border shall be direct applied non-reflective sheeting.
 2. Legend and border shall be direct applied Type I reflective sheeting.
 3. Shields shall be Type III reflective sheeting on 0.032" aluminum and demountable.
 4. Background shall be Type VII, VIII, or IX reflective sheeting.
 5. Background shall be Type I reflective sheeting.
 6. Center arrow(s) vertically on sign.

Letter spacings are to start of next letter

Series/Size	Text Length
D8, D12	45.5

SIGN NUMR: TYPE: A Ground BACKG. COLOR: Fluorescent Orange COPY COLOR: Black DESIGN BY: DME PROJECT ID: B-4096 CHK BY: DIV: 9 STD #: DATE: Oct 15, 2003

SIGN WIDTH: 13'-0" HEIGHT: 6'-0" TOTAL AREA: 78.0 Sq.Ft. MAT'L: 0.125 in. ALUMINUM

BORDER TYPE: RECESSED RECESS: 1.5" WIDTH: 2.5" RADII: 6"

NO. Z BARS: 2 LENGTH: 148.0 in.

SYMBOL	X	Y	WID	HT
US_ODD	75	24	24	24
BUS_NC	41	24	24	24

DESIGNATION 6 QUANTITY = 1

BORDER R=6" TH=2.5" IN=1.5"

USE NOTES: 1,3,4
 1. Legend and border shall be direct applied non-reflective sheeting.
 2. Legend and border shall be direct applied Type I reflective sheeting.
 3. Shields shall be Type III reflective sheeting on 0.032" aluminum and demountable.
 4. Background shall be Type VII, VIII, or IX reflective sheeting.
 5. Background shall be Type I reflective sheeting.
 6. Center arrow(s) vertically on sign.

Letter spacings are to start of next letter

Series/Size	Text Length
D8	114.4
EB	38.7
EB	22.6
D8	70.6

SIGN NUMR: TYPE: A Ground BACKG. COLOR: Fluorescent Orange COPY COLOR: Black DESIGN BY: DME PROJECT ID: B-4096 CHK BY: DIV: 9 STD #: DATE: Oct 15, 2003

SIGN WIDTH: 13'-0" HEIGHT: 6'-0" TOTAL AREA: 78.0 Sq.Ft. MAT'L: 0.125 in. ALUMINUM

BORDER TYPE: RECESSED RECESS: 1.5" WIDTH: 2.5" RADII: 6"

NO. Z BARS: 2 LENGTH: 148.0 in.

SYMBOL	X	Y	WID	HT
US_ODD	74.8	24	24	24
BUS_NC	40.8	24	24	24

DESIGNATION 5 QUANTITY = 1

BORDER R=6" TH=2.5" IN=1.5"

USE NOTES: 1,3,4
 1. Legend and border shall be direct applied non-reflective sheeting.
 2. Legend and border shall be direct applied Type I reflective sheeting.
 3. Shields shall be Type III reflective sheeting on 0.032" aluminum and demountable.
 4. Background shall be Type VII, VIII, or IX reflective sheeting.
 5. Background shall be Type I reflective sheeting.
 6. Center arrow(s) vertically on sign.

Letter spacings are to start of next letter

Series/Size	Text Length
D8	114.4
EB	39.1
EB	22.6
D8	68

SIGN NUMR: TYPE: A Ground BACKG. COLOR: Fluorescent Orange COPY COLOR: Black DESIGN BY: DME PROJECT ID: B-4096 CHK BY: DIV: 9 STD #: DATE: Oct 15, 2003

SIGN WIDTH: 13'-0" HEIGHT: 6'-6" TOTAL AREA: 84.5 Sq.Ft. MAT'L: 0.125 in. ALUMINUM

BORDER TYPE: RECESSED RECESS: 1.5" WIDTH: 2.5" RADII: 6"

NO. Z BARS: 2 LENGTH: 148.0 in.

SYMBOL	X	Y	WID	HT
US_ODD	75	32.7	24	24
BUS_NC	41	32.7	24	24
ARMD	68.5	7.3	15.3	25

DESIGNATION 7 QUANTITY = 1

BORDER R=6" TH=2.5" IN=1.5"

USE NOTES: 1,3,4
 1. Legend and border shall be direct applied non-reflective sheeting.
 2. Legend and border shall be direct applied Type I reflective sheeting.
 3. Shields shall be Type III reflective sheeting on 0.032" aluminum and demountable.
 4. Background shall be Type VII, VIII, or IX reflective sheeting.
 5. Background shall be Type I reflective sheeting.
 6. Center arrow(s) vertically on sign.

Letter spacings are to start of next letter

Series/Size	Text Length
D8	114.4
EB	38.6
EB	22.6

13-APR-2007 14:04 H:\Tran\ncdot\B4095\TrafficControl\B4095_te_sfgndetalls5.dgn AT RAL5GKYMCI

APPROVED: *[Signature]* DATE: 11/3/07

SEAL: NORTH CAROLINA PROFESSIONAL ENGINEER SEAL 17586 J. TODD BROOKS

WIDE LOAD DETOUR SIGNS

SCALE: NONE	REVISIONS
DATE: 04/04	
DWG. BY: TAG	
DESIGN BY: TAG	
REVIEWED BY: JWG	

SIGN NUMR: TYPE: B Ground
 BACKG. COLOR: Fluorescent Orange
 COPY COLOR: Black
 DESIGN BY: DME
 PROJECT ID: B-4096
 CHK BY: DIV: 9
 STD #: DATE: Oct 15, 2003
 N. C. DEPARTMENT OF TRANSPORTATION
 DIVISION OF HIGHWAYS
 TRAFFIC ENGINEERING BRANCH
 SIGNING DEPARTMENT

SIGN WIDTH: 5'-6"
 HEIGHT: 2'-0"
 TOTAL AREA: 11.0 Sq.Ft.
 MAT'L: 0.125 in. ALUMINUM

SYMBOL	X	Y	WID	HT

DESIGNATION (7S)
 QUANTITY = 1

BORDER R=3" TH=1.25" IN=0.75"

USE NOTES: 1,4
 1. Legend and border shall be direct applied non-reflective sheeting.
 2. Legend and border shall be direct applied Type I reflective sheeting.
 3. Shields shall be Type III reflective sheeting on 0.032" aluminum and demountable.
 4. Background shall be Type VII, VIII, or IX reflective sheeting.
 5. Background shall be Type I reflective sheeting.
 6. Center arrow(s) vertically on sign.

Letter spacings are to start of next letter													Series/Size	Text Length
	E	X	I	T		9	6						DB, D12	49.4
8.3	6.4	6.9	2.8	4.9	10	10.3	8.2	8.3						

SIGN NUMR: TYPE: A Ground
 BACKG. COLOR: Fluorescent Orange
 COPY COLOR: Black
 DESIGN BY: DME
 PROJECT ID: B-4096
 CHK BY: DIV: 9
 STD #: DATE: Oct 15, 2003
 N. C. DEPARTMENT OF TRANSPORTATION
 DIVISION OF HIGHWAYS
 TRAFFIC ENGINEERING BRANCH
 SIGNING DEPARTMENT

SIGN WIDTH: 13'-0"
 HEIGHT: 2'-6"
 TOTAL AREA: 32.5 Sq.Ft.
 MAT'L: 0.125 in. ALUMINUM

SYMBOL	X	Y	WID	HT
ARUP2	132.5	10.4	8	13.3

DESIGNATION (9)
 QUANTITY = 1

BORDER R=3.75" TH=1" IN=0.6"

USE NOTES: 1,4
 1. Legend and border shall be direct applied non-reflective sheeting.
 2. Legend and border shall be direct applied Type I reflective sheeting.
 3. Shields shall be Type III reflective sheeting on 0.032" aluminum and demountable.
 4. Background shall be Type VII, VIII, or IX reflective sheeting.
 5. Background shall be Type I reflective sheeting.
 6. Center arrow(s) vertically on sign.

Letter spacings are to start of next letter															Series/Size	Text Length							
	O	V	E	R	S	I	Z	E	D		V	E	H	I	C	L	E	S				DB	114.4
10.2	7.1	7.5	6.4	6.9	7.3	3.2	6.9	6.4	5.4	8	7.5	6.4	7.3	3.2	6.9	6.4	6.4	5.4	31.5				
	U	S	E		U	S	-	6	4		W	E	S	T								DB	99.4
17.7	7.3	7.3	4.9	8	7.3	7.3	7.9	6.9	7.8	8	8.5	6.4	6.9	4.9	39								

SIGN NUMR: TYPE: A Ground
 BACKG. COLOR: Fluorescent Orange
 COPY COLOR: Black
 DESIGN BY: DME
 PROJECT ID: B-4096
 CHK BY: DIV: 9
 STD #: DATE: Oct 15, 2003
 N. C. DEPARTMENT OF TRANSPORTATION
 DIVISION OF HIGHWAYS
 TRAFFIC ENGINEERING BRANCH
 SIGNING DEPARTMENT

SIGN WIDTH: 13'-0"
 HEIGHT: 2'-6"
 TOTAL AREA: 32.5 Sq.Ft.
 MAT'L: 0.125 in. ALUMINUM

SYMBOL	X	Y	WID	HT
ARUP2	132.5	10.4	8	13.3

DESIGNATION (8)
 QUANTITY = 1

BORDER R=3.75" TH=1" IN=0.6"

USE NOTES: 1,4
 1. Legend and border shall be direct applied non-reflective sheeting.
 2. Legend and border shall be direct applied Type I reflective sheeting.
 3. Shields shall be Type III reflective sheeting on 0.032" aluminum and demountable.
 4. Background shall be Type VII, VIII, or IX reflective sheeting.
 5. Background shall be Type I reflective sheeting.
 6. Center arrow(s) vertically on sign.

Letter spacings are to start of next letter															Series/Size	Text Length							
	O	V	E	R	S	I	Z	E	D		V	E	H	I	C	L	E	S				DB	114.4
10.2	7.1	7.5	6.4	6.9	7.3	3.2	6.9	6.4	5.4	8	7.5	6.4	7.3	3.2	6.9	6.4	6.4	5.4	31.5				
	U	S	E		U	S	-	6	4		E	A	S	T								DB	98.5
18.1	7.3	7.3	4.9	8	7.3	7.3	7.9	6.9	7.8	8	5.9	8.2	6.9	4.9	39.4								

SIGN NUMR: TYPE: A Ground
 BACKG. COLOR: Fluorescent Orange
 COPY COLOR: Black
 DESIGN BY: DME
 PROJECT ID: B-4096
 CHK BY: DIV: 9
 STD #: DATE: Oct 15, 2003
 N. C. DEPARTMENT OF TRANSPORTATION
 DIVISION OF HIGHWAYS
 TRAFFIC ENGINEERING BRANCH
 SIGNING DEPARTMENT

SIGN WIDTH: 13'-0"
 HEIGHT: 2'-6"
 TOTAL AREA: 32.5 Sq.Ft.
 MAT'L: 0.125 in. ALUMINUM

SYMBOL	X	Y	WID	HT

DESIGNATION (10)
 QUANTITY = 2

BORDER R=3.75" TH=1" IN=0.6"

USE NOTES: 1,4
 1. Legend and border shall be direct applied non-reflective sheeting.
 2. Legend and border shall be direct applied Type I reflective sheeting.
 3. Shields shall be Type III reflective sheeting on 0.032" aluminum and demountable.
 4. Background shall be Type VII, VIII, or IX reflective sheeting.
 5. Background shall be Type I reflective sheeting.
 6. Center arrow(s) vertically on sign.

Letter spacings are to start of next letter															Series/Size	Text Length								
	H	O	R	I	Z	O	N	T	A	L		C	L	E	A	R	A	N	C	E			DB	134.6
10.7	7.3	7.5	7.3	3.2	6.9	7.5	6.9	5.4	8.2	4.9	8	6.9	6.4	5.9	8.2	6.9	8.2	7.3	6.9	4.9	10.7			
	1	4		F	E	E	T																DB	42.8
56.6	3.5	7.8	8	6.4	6.4	5.9	4.9	56.6																

13-APR-2007 14:04 H:\Trans\ncdot\B4095\TrafficControl\B4095_TrafficControl\B4095_te_signdetails5.dgn 12054 AT RAL5GKYMCI

APPROVED: *[Signature]* DATE: 11/16/07

SEAL:

WIDE LOAD DETOUR SIGNS

SCALE: NONE		REVISIONS
DATE: 04/04		
DWG. BY: TAG		
DESIGN BY: TAG		
REVIEWED BY: JWG		

SIGN NUMR: TYPE: A Ground
 BACKG. COLOR: Fluorescent Orange
 COPY COLOR: Black
 DESIGN BY: DME
 PROJECT ID: B-4096
 CHK BY: DIV: 9
 STD #: DATE: Oct 15, 2003
 N. C. DEPARTMENT OF TRANSPORTATION
 DIVISION OF HIGHWAYS
 TRAFFIC ENGINEERING BRANCH
 SIGNING DEPARTMENT

SIGN WIDTH: 13'-0"
 HEIGHT: 2'-6"
 TOTAL AREA: 32.5 Sq.Ft.
 MAT'L: 0.125 in. ALUMINUM

SYMBOL	X	Y	WID	HT
ARUP2	10.2	11	8	13.3

BORDER TYPE: RECESSED
 RECESS: 0.6"
 WIDTH: 1"
 RADII: 3.75"
 NO. Z BARS: 2
 LENGTH: 148.0 in.

DESIGNATION 11
 QUANTITY = 1

USE NOTES: 1,4
 1. Legend and border shall be direct applied non-reflective sheeting.
 2. Legend and border shall be direct applied Type I reflective sheeting.
 3. Shields shall be Type III reflective sheeting on 0.032" aluminum and demountable.
 4. Background shall be Type VII, VIII, or IX reflective sheeting.
 5. Background shall be Type I reflective sheeting.
 6. Center arrow(s) vertically on sign.

Letter spacings are to start of next letter

	O	V	E	R	S	I	Z	E	D	V	E	H	I	C	L	E	S	Series/Size Text Length				
	31.5	7.1	7.5	6.4	6.9	7.3	3.2	6.9	6.4	5.4	8	7.5	6.4	7.3	3.2	6.9	6.4	5.4	10.2	D8	114.4	
	U	S	E	U	S	-	3	1	1	N	O	R	T	H							D8	106.5
	35.4	7.3	7.3	4.9	8	7.3	7.3	7.9	7.3	3.9	3.9	8	7.3	7.5	6.9	6.4	5.4	14.1				

SIGN NUMR: TYPE: A Ground
 BACKG. COLOR: Fluorescent Orange
 COPY COLOR: Black
 DESIGN BY: DME
 PROJECT ID: B-4096
 CHK BY: DIV: 9
 STD #: DATE: Oct 15, 2003
 N. C. DEPARTMENT OF TRANSPORTATION
 DIVISION OF HIGHWAYS
 TRAFFIC ENGINEERING BRANCH
 SIGNING DEPARTMENT

SIGN WIDTH: 13'-0"
 HEIGHT: 2'-6"
 TOTAL AREA: 32.5 Sq.Ft.
 MAT'L: 0.125 in. ALUMINUM

SYMBOL	X	Y	WID	HT
ARUP2	10.2	11	8	13.3

BORDER TYPE: RECESSED
 RECESS: 0.6"
 WIDTH: 1"
 RADII: 3.75"
 NO. Z BARS: 2
 LENGTH: 148.0 in.

DESIGNATION 13
 QUANTITY = 1

USE NOTES: 1,4
 1. Legend and border shall be direct applied non-reflective sheeting.
 2. Legend and border shall be direct applied Type I reflective sheeting.
 3. Shields shall be Type III reflective sheeting on 0.032" aluminum and demountable.
 4. Background shall be Type VII, VIII, or IX reflective sheeting.
 5. Background shall be Type I reflective sheeting.
 6. Center arrow(s) vertically on sign.

Letter spacings are to start of next letter

	O	V	E	R	S	I	Z	E	D	V	E	H	I	C	L	E	S	Series/Size Text Length				
	31.5	7.1	7.5	6.4	6.9	7.3	3.2	6.9	6.4	5.4	8	7.5	6.4	7.3	3.1	6.9	6.4	5.4	10.2	D8	114.4	
	U	S	E	U	S	-	3	1	1	S	O	U	T	H							D8	106.1
	35.6	7.3	7.3	4.9	8	7.3	7.3	7.9	7.3	3.9	3.9	8	6.9	7.5	6.9	6.4	5.4	14.3				

SIGN NUMR: TYPE: A Ground
 BACKG. COLOR: Fluorescent Orange
 COPY COLOR: Black
 DESIGN BY: DME
 PROJECT ID: B-4096
 CHK BY: DIV: 9
 STD #: DATE: Oct 15, 2003
 N. C. DEPARTMENT OF TRANSPORTATION
 DIVISION OF HIGHWAYS
 TRAFFIC ENGINEERING BRANCH
 SIGNING DEPARTMENT

SIGN WIDTH: 13'-0"
 HEIGHT: 2'-6"
 TOTAL AREA: 32.5 Sq.Ft.
 MAT'L: 0.125 in. ALUMINUM

SYMBOL	X	Y	WID	HT
ARUP2	12.8	8.3	8	13.3

BORDER TYPE: RECESSED
 RECESS: 0.6"
 WIDTH: 1"
 RADII: 3.75"
 NO. Z BARS: 2
 LENGTH: 148.0 in.

DESIGNATION 12
 QUANTITY = 1

USE NOTES: 1,4
 1. Legend and border shall be direct applied non-reflective sheeting.
 2. Legend and border shall be direct applied Type I reflective sheeting.
 3. Shields shall be Type III reflective sheeting on 0.032" aluminum and demountable.
 4. Background shall be Type VII, VIII, or IX reflective sheeting.
 5. Background shall be Type I reflective sheeting.
 6. Center arrow(s) vertically on sign.

Letter spacings are to start of next letter

	O	V	E	R	S	I	Z	E	D	V	E	H	I	C	L	E	S	Series/Size Text Length				
	28.8	7.1	7.5	6.4	6.9	7.3	3.2	6.9	6.4	5.4	8	7.5	6.4	7.3	3.1	6.9	6.4	5.4	12.8	D8	114.4	
	U	S	E	U	S	-	6	4	E	A	S	T									D8	98.5
	36.7	7.3	7.3	4.9	8	7.3	7.3	7.9	6.9	7.8	8	5.9	8.2	6.9	4.9	20.7						

SIGN NUMR: TYPE: A Ground
 BACKG. COLOR: Fluorescent Orange
 COPY COLOR: Black
 DESIGN BY: DME
 PROJECT ID: B-4096
 CHK BY: DIV: 9
 STD #: DATE: Oct 15, 2003
 N. C. DEPARTMENT OF TRANSPORTATION
 DIVISION OF HIGHWAYS
 TRAFFIC ENGINEERING BRANCH
 SIGNING DEPARTMENT

SIGN WIDTH: 13'-0"
 HEIGHT: 2'-6"
 TOTAL AREA: 32.5 Sq.Ft.
 MAT'L: 0.125 in. ALUMINUM

SYMBOL	X	Y	WID	HT
ARUP2	132.5	10.4	8	13.3

BORDER TYPE: RECESSED
 RECESS: 0.6"
 WIDTH: 1"
 RADII: 3.75"
 NO. Z BARS: 2
 LENGTH: 148.0 in.

DESIGNATION 15
 QUANTITY = 1

USE NOTES: 1,4
 1. Legend and border shall be direct applied non-reflective sheeting.
 2. Legend and border shall be direct applied Type I reflective sheeting.
 3. Shields shall be Type III reflective sheeting on 0.032" aluminum and demountable.
 4. Background shall be Type VII, VIII, or IX reflective sheeting.
 5. Background shall be Type I reflective sheeting.
 6. Center arrow(s) vertically on sign.

Letter spacings are to start of next letter

	O	V	E	R	S	I	Z	E	D	V	E	H	I	C	L	E	S	Series/Size Text Length				
	10.2	7.1	7.5	6.4	6.9	7.3	3.2	6.9	6.4	5.4	8	7.5	6.4	7.3	3.2	6.9	6.4	5.4	31.5	D8	114.4	
	U	S	E	I	-	8	5	S	O	U	T	H									D8	94.3
	20.2	7.3	7.3	4.9	8	3.2	7.9	7.3	7.3	8	6.9	7.5	6.9	6.4	5.4	41.5						

13-APR-2007 14:04
 H:\Trans\ncdot\B4095\TrafficControl\B4095_t_e_signdetail.s5.dgn
 IZ054 AT RAL5CKYMC

APPROVED: *[Signature]* DATE: 4/13/07

SEAL:

WIDE LOAD DETOUR SIGNS

SCALE: NONE		REVISIONS
DATE: 04/04		
DWG. BY: TAG		
DESIGN BY: TAG		
REVIEWED BY: JWG		

CADD FILE

SIGN NUMR: TYPE: A Ground
 BACKG. COLOR: Fluorescent Orange
 COPY COLOR: Black
 DESIGN BY: DME
 PROJECT ID: B-4096
 CHK BY: DIV: 9
 STD #: DATE: Oct 15, 2003
 N. C. DEPARTMENT OF TRANSPORTATION
 DIVISION OF HIGHWAYS
 TRAFFIC ENGINEERING BRANCH
 SIGNING DEPARTMENT

SIGN WIDTH: 13'-0"
 HEIGHT: 2'-6"
 TOTAL AREA: 32.5 Sq.Ft.
 MAT'L: 0.125 in. ALUMINUM

SYMBOL	X	Y	WID	HT
ARUP2	10.2	11	8	13.3

BORDER TYPE: RECESSED
 RECESS: 0.6"
 WIDTH: 1"
 RADII: 3.75"
 NO. Z BARS: 2
 LENGTH: 148.0 in.

DESIGNATION 16
 QUANTITY = 1

USE NOTES: 1,4
 1. Legend and border shall be direct applied non-reflective sheeting.
 2. Legend and border shall be direct applied Type I reflective sheeting.
 3. Shields shall be Type III reflective sheeting on 0.032" aluminum and demountable.
 4. Background shall be Type VII, VIII, or IX reflective sheeting.
 5. Background shall be Type I reflective sheeting.
 6. Center arrow(s) vertically on sign.

Letter spacings are to start of next letter

	O	V	E	R	S	I	Z	E	D	V	E	H	I	C	L	E	S	Series/Size Text Length					
	31.5	7.1	7.5	6.4	6.9	7.3	3.2	6.9	6.4	5.4	8	7.5	6.4	7.3	3.2	6.9	6.4	6.4	5.4	10.2	DB	114.4	
	41.5	7.3	7.3	4.9	8	3.2	7.9	7.3	7.3	8	7.3	7.5	6.9	6.4	5.4	19.8						DB	94.7

SIGN NUMR: TYPE: A Ground
 BACKG. COLOR: Fluorescent Orange
 COPY COLOR: Black
 DESIGN BY: DME
 PROJECT ID: B-4096
 CHK BY: DIV: 9
 STD #: DATE: Oct 15, 2003
 N. C. DEPARTMENT OF TRANSPORTATION
 DIVISION OF HIGHWAYS
 TRAFFIC ENGINEERING BRANCH
 SIGNING DEPARTMENT

SIGN WIDTH: 13'-0"
 HEIGHT: 6'-0"
 TOTAL AREA: 78.0 Sq.Ft.
 MAT'L: 0.125 in. ALUMINUM

SYMBOL	X	Y	WID	HT
US_ODD	75	24	24	24
BUS_NC	41	24	24	24

BORDER TYPE: RECESSED
 RECESS: 1.5"
 WIDTH: 2.5"
 RADII: 6"
 NO. Z BARS: 2
 LENGTH: 148.0 in.

DESIGNATION 19
 QUANTITY = 2

USE NOTES: 1,3,4
 1. Legend and border shall be direct applied non-reflective sheeting.
 2. Legend and border shall be direct applied Type I reflective sheeting.
 3. Shields shall be Type III reflective sheeting on 0.032" aluminum and demountable.
 4. Background shall be Type VII, VIII, or IX reflective sheeting.
 5. Background shall be Type I reflective sheeting.
 6. Center arrow(s) vertically on sign.

Letter spacings are to start of next letter

	O	V	E	R	S	I	Z	E	D	V	E	H	I	C	L	E	S	Series/Size Text Length					
	21	7.1	7.5	6.4	6.9	7.3	3.2	6.9	6.4	5.4	8	7.5	6.4	7.3	3.1	6.9	6.4	6.4	5.4	20.6	DB	114.4	
	107	8	8.7	8	7.5	6.4	10.4															DB	38.7
	10.4	7.5	8.7	6.4	123																	DB	22.6
	30.9	7.3	7.3	4.9	8	3.2	7.9	7.3	7.3	8	6.9	7.5	6.9	6.4	5.4	30.9						DB	94.3

SIGN NUMR: TYPE: A Ground
 BACKG. COLOR: Fluorescent Orange
 COPY COLOR: Black
 DESIGN BY: DME
 PROJECT ID: B-4096
 CHK BY: DIV: 9
 STD #: DATE: Oct 15, 2003
 N. C. DEPARTMENT OF TRANSPORTATION
 DIVISION OF HIGHWAYS
 TRAFFIC ENGINEERING BRANCH
 SIGNING DEPARTMENT

SIGN WIDTH: 13'-0"
 HEIGHT: 2'-6"
 TOTAL AREA: 32.5 Sq.Ft.
 MAT'L: 0.125 in. ALUMINUM

SYMBOL	X	Y	WID	HT
ARUP2	12.8	8.3	8	13.3

BORDER TYPE: RECESSED
 RECESS: 0.6"
 WIDTH: 1"
 RADII: 3.75"
 NO. Z BARS: 2
 LENGTH: 148.0 in.

DESIGNATION 17
 QUANTITY = 1

USE NOTES: 1,4
 1. Legend and border shall be direct applied non-reflective sheeting.
 2. Legend and border shall be direct applied Type I reflective sheeting.
 3. Shields shall be Type III reflective sheeting on 0.032" aluminum and demountable.
 4. Background shall be Type VII, VIII, or IX reflective sheeting.
 5. Background shall be Type I reflective sheeting.
 6. Center arrow(s) vertically on sign.

Letter spacings are to start of next letter

	O	V	E	R	S	I	Z	E	D	V	E	H	I	C	L	E	S	Series/Size Text Length					
	28.8	7.1	7.5	6.4	6.9	7.3	3.2	6.9	6.4	5.4	8	7.5	6.4	7.3	3.2	6.9	6.4	6.4	5.4	12.8	DB	114.4	
	32.9	7.3	7.3	4.9	8	7.3	7.3	7.9	7.3	3.9	3.9	8	6.9	7.5	6.9	6.4	5.4	16.9				DB	106.1

SIGN NUMR: TYPE: E Ground
 BACKG. COLOR: Fluorescent Orange
 COPY COLOR: Black
 DESIGN BY: LMW
 PROJECT ID: B-4095
 CHK BY: JTB
 DIV: 9
 STD #: DATE: July 31, 2006
 N. C. DEPARTMENT OF TRANSPORTATION
 DIVISION OF HIGHWAYS
 TRAFFIC ENGINEERING BRANCH
 SIGNING DEPARTMENT

SIGN WIDTH: 5'-6"
 HEIGHT: 5'-6"
 TOTAL AREA: 30.5 Sq.Ft.
 MAT'L: 0.125 in. ALUMINUM

SYMBOL	X	Y	WID	HT

BORDER TYPE: RECESSED
 RECESS: 0.75"
 WIDTH: 1.25"
 RADII: 3"
 NO. Z BARS: 2
 LENGTH: 58.3 in.

DESIGNATION T400
 QUANTITY = 6

USE NOTES: 2,4
 1. Legend and border shall be direct applied non-reflective sheeting.
 2. Legend and border shall be direct applied Type I reflective sheeting.
 3. Shields shall be Type III reflective sheeting on 0.032" aluminum and demountable.
 4. Background shall be Type VII, VIII, or IX reflective sheeting.
 5. Background shall be Type I reflective sheeting.
 6. Center arrow(s) vertically on sign.

Letter spacings are to start of next letter

	M	E	D	I	A	N	C	R	O	S	S	O	V	E	R	C	L	O	S	E	D	Series/Size Text Length	
	19.4	6.2	4.8	5.3	2	5.5	3.9	19.4														C 2000	27.6
	11.1	5.3	5	5.2	4.8	5	5	5.3	4.8	3.9	11.1											C 2000	44.2
	18.8	5.3	4.4	5.2	5.1	4.8	3.9	18.8														C 2000	28.7

APPROVED: [Signature] DATE: 9/19/07

SEAL: NORTH CAROLINA PROFESSIONAL ENGINEER TODD BROOKS

SCALE: NONE
 DATE: 04/04
 DWG. BY: TAG
 DESIGN BY: TAG
 REVIEWED BY: JWG

WIDE LOAD DETOUR SIGNS & MEDIAN CLOSED SIGN

REVISIONS

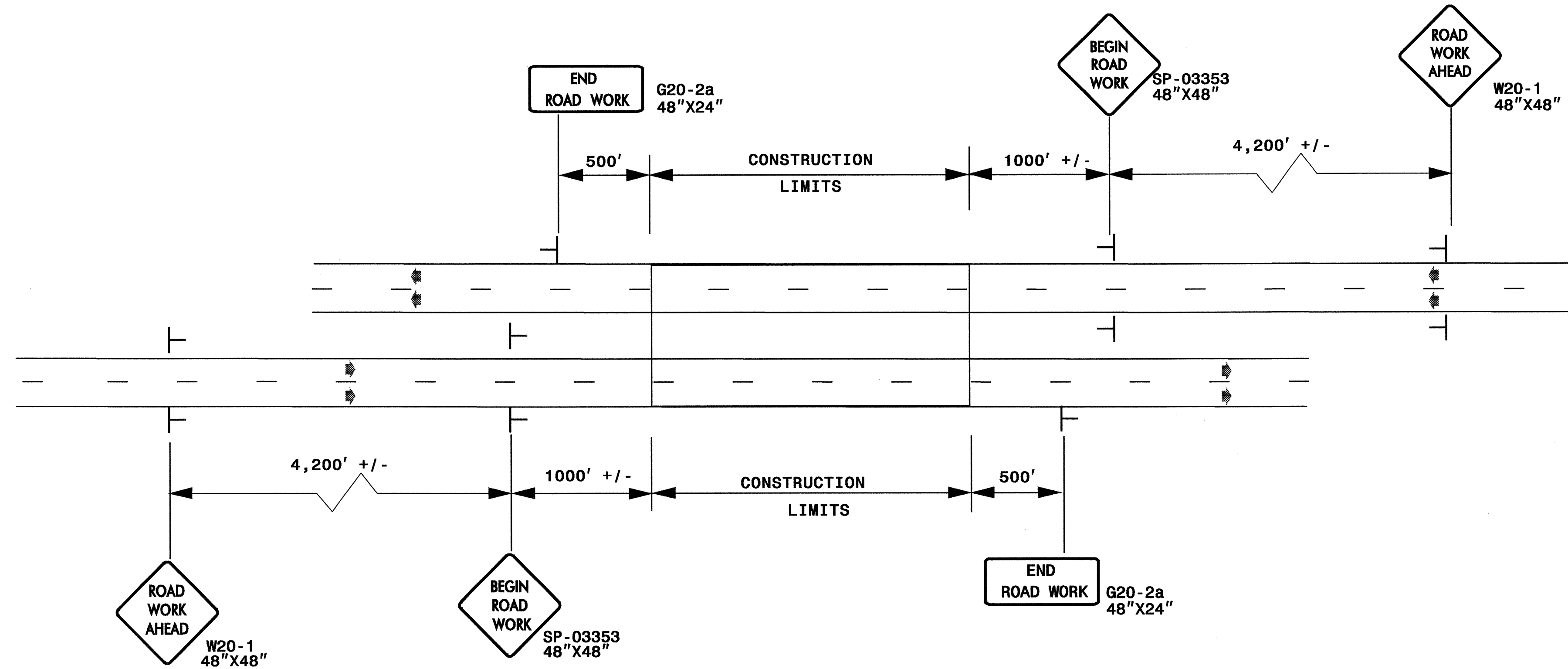
SCALE: NONE
 DATE: 04/04
 DWG. BY: TAG
 DESIGN BY: TAG
 REVIEWED BY: JWG

13-APR-2007 14:04 H:\TransVncdot\B4095\TrafficControl\B4095_fe_sigidetails5.dgn 12054 AT RAL5CKYMC

ADVANCED WORK ZONE WARNING SIGNING FOR FREEWAYS (4 LANES OR GREATER)

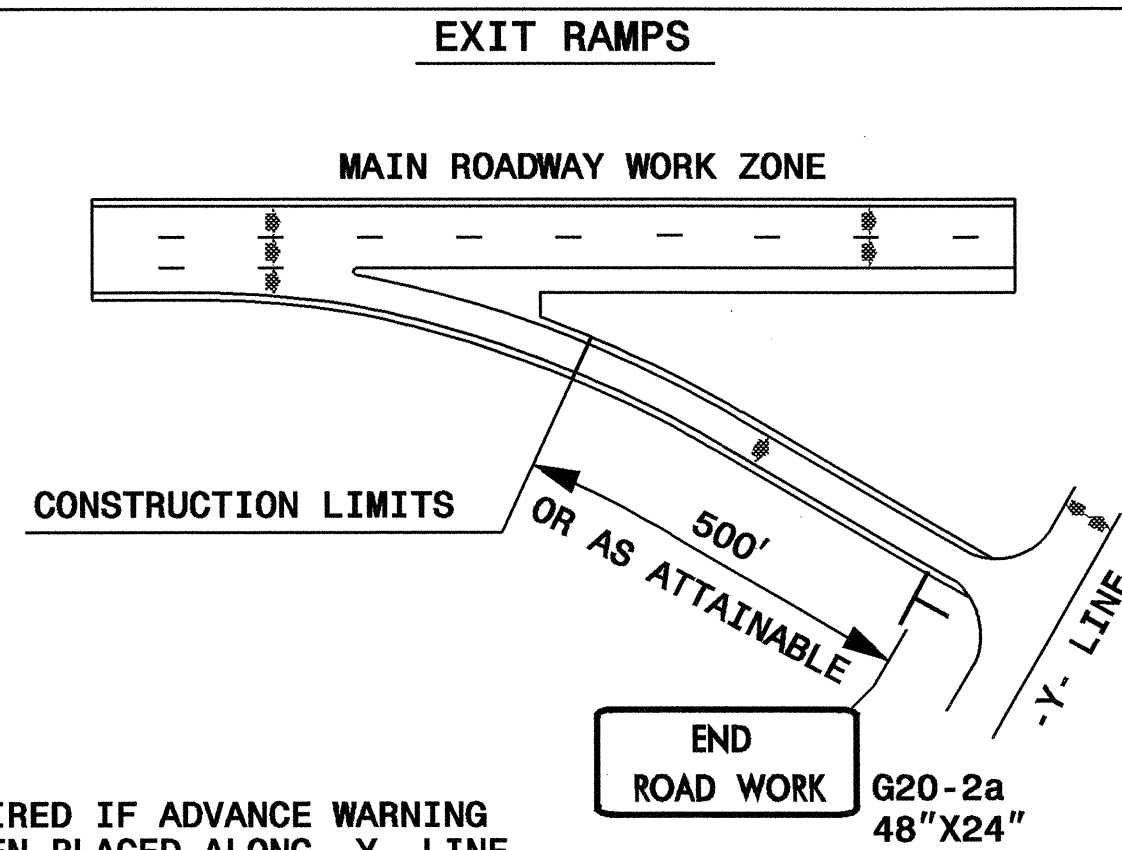
PROJ. REFERENCE NO. B-4095	SHEET NO. TCP-25
-------------------------------	---------------------

DETAIL A



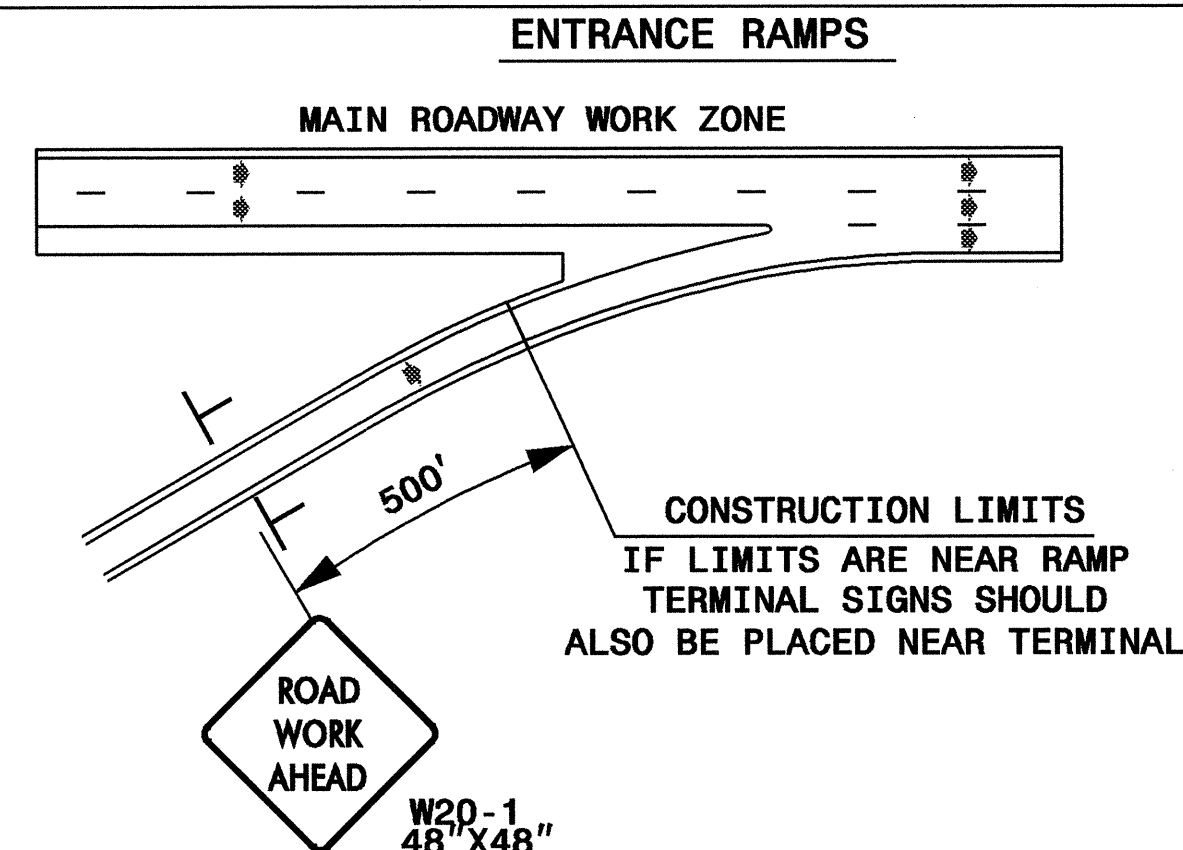
LEGEND	
	STATIONARY SIGN
➔	DIRECTION OF TRAFFIC FLOW

DETAIL B



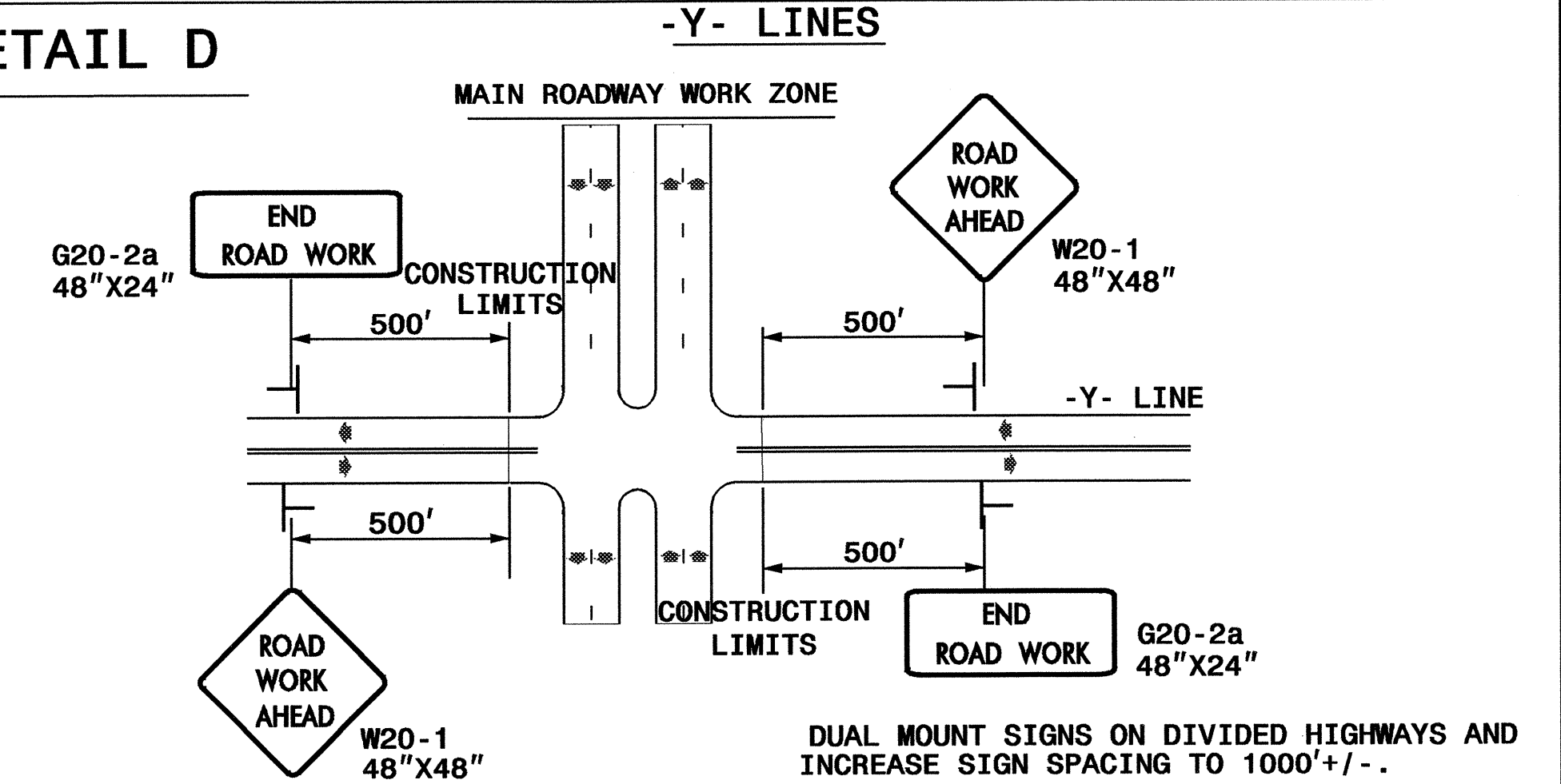
NOTE: SIGN NOT REQUIRED IF ADVANCE WARNING SIGNS HAVE BEEN PLACED ALONG -Y- LINE THAT RAMP INTERSECTS. IF CONSTRUCTION LIMITS ARE AT END OF RAMP, PLACE SIGN AT END OF RAMP.

DETAIL C



**

DETAIL D



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.

APPROVED: <i>[Signature]</i> DATE: 4/13/07	ADVANCED WORK ZONE WARNING SIGNS FOR FREEWAYS (4 LANES OR GREATER)		
	SCALE: NONE		
	DATE: 8/03		REVISIONS
	DWG. BY: JI		03/04
	DESIGN BY: JI		
	REVIEWED BY:	CADD FILE	

SP 03353

SIGN NUMBER: SP-03353	BACKG COLOR: Fluorescent Orange	DESIGN BY: CL DOWNEY	CHECKED BY: CHECKED	STD #: W20-1
TYPE: A	COPY COLOR: Black	PROJECT ID: ALL PROJECTS	DIV: DIV	DATE: Aug 20, 2003
QUANTITY: 1				
SIGN WIDTH: 4'-0"				
HEIGHT: 4'-0"				
TOTAL AREA: 16.0 Sq.Ft.				
BORDER TYPE: FLUSH				
RECESS: 0.59"				
WIDTH: 0.75"				
RADII: 1.38"				
NO. Z BARS: N/A	MAT'L:			
LENGTH: N/A				

USE NOTES: 2, 4

- Legend and border shall be direct applied Type VII reflective sheeting.
- Legend and border shall be direct applied non-reflective sheeting.
- Shields shall be Type VII reflective sheeting on 0.032" (0.8mm) aluminum and demountable.
- Background shall be Type VII reflective sheeting.
- Background shall be Type I reflective sheeting.
- Center arrow(s) vertically on sign.
- Bottom panel shall be yellow Type III sheeting. Legend shall be direct applied black non-reflective sheeting. Yellow panel is:

BORDER
R=1.38"
TH=0.75"
IN=0.59"

LETTER POSITIONS

Letter spacings are to start of next letter

Letter	B	E	G	I	N	Series/Size	Text Length
BEGIN	22.4	5.3	4.6	5.4	2.5	C7	21.6
ROAD	23.4	5	5.2	5.6	3.8	C7	19.6
WORK	22.6	6.4	5.6	5.2	4	C7	21.2

Spacing Factor is 1 unless specified otherwise

FILENAME: SPECISMAK

NORTH CAROLINA D.O.T. SIGN DETAIL

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

DETAIL DRAWING FOR
 WORK ZONE SIGNS

GENERAL NOTES FOR THE "BEGIN ROAD WORK" SIGN

- SIGN SP-03353 "BEGIN ROAD WORK" ONLY APPLIES TO FULL CONTROL AND PARTIAL CONTROL OF ACCESS ROADWAYS
- WHEN USED, INSTALL SIGN SP-03353 "BEGIN ROAD WORK" ACCORDING TO DETAIL A ON SHEET TCP-25.

APPROVED: <i>[Signature]</i> DATE: 2/13/07	DETAIL DRAWING FOR ADVANCED WORK ZONE WARNING SIGN DESIGNS	
	SCALE: NONE	REVISIONS
	DATE: 0803	0404
	DWG. BY:	
	DESIGN BY:	
REVIEWED BY:		CADD FILE

13-APR-2007 12:40
 H:\Trams\ncdot\B4095\TrafficControl\Sign_Designs.dgn
 12054 AT RAL5GK\YMC