B-4300

TIP PROJECT:

STATE OF NORTH CAROLINA
DIVISION OF HIGHWAYS

STATE PROJECT REFERENCE NO.	SHEET NO.
B-4300	TCP-1

PLAN FOR PROPOSED
TRAFFIC CONTROL, MARKING & DELINEATION
WAKE COUNTY

ROADWAY STANDARD DRAWINGS

THE FOLLOWING ROADWAY STANDARDS AS APPEAR IN "ROADWAY STANDARD DRAWINGS"-PROJECT SERVICES UNIT-N.C. DEPARTMENT OF TRANSPORTATION-RALEIGH, N.C., DATED JULY 2006 ARE APPLICABLE TO THIS PROJECT AND BY REFERENCE HEREBY ARE CONSIDERED A PART OF THESE PLANS:

STD. NO.	TITLE
1101.02	TEMPORARY LANE CLOSURES
1101.03	TEMPORARY ROAD CLOSURES
1101.04	TEMPORARY SHOULDER CLOSURES
1101.05	WORK ZONE VEHICLE ACCESSES
1101.11	TRAFFIC CONTROL DESIGN TABLES
1110.01	STATIONARY WORK ZONE SIGNS
1110.02	PORTABLE WORK ZONE SIGNS
1130.01	DRUM
1145.01	BARRICADES
1150.01	FLAGGING DEVICES
1165.01	TRUCK MOUNTED IMPACT ATTENUATOR
1180.01	SKINNY-DRUM
1205.01	PAVEMENT MARKINGS - LINE TYPES & OFFSETS
1205.02	PAVEMENT MARKINGS - 2 LANE & MULTILANE ROADWAYS
1205.12	PAVEMENT MARKINGS - BRIDGES
1250.01	PAVEMENT MARKER SPACING
1251.01	RAISED PAVEMENT MARKERS (TEMPORARY & PERMANENT)
1261.01	GUARDRAIL & BARRIER DELINEATOR SPACING
1261.02	GUARDRAIL & BARRIER DELINEATOR TYPES
1262.01	GUARDRAIL END DELINEATION

INDEX OF SHEETS

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TCP-1	LIST OF APPLICABLE ROADWAY STANDARD DRAWINGS, LEGEND, INDEX OF SHEETS AND TEMPORARY PAVEMENT MARKING SCHEDULE
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TEMPORARY PAVEMENT MARKING SCHEDULE

SYMBOL	DESCRIPTION	PAY ITEM QUANTITY BREAKDOWN	TOTAL QUANTITY
	TEMPORARY PAVEMENT MARKINGS PAINT(4")		
PA	WHITE EDGE LINE (2X)	12600 LF	
PI	YELLOW DOUBLE CENTER (2X)	12600 LF	
			TOTAL 25200 LF
	TEMPORARY RAISED PAVEMENT MARKERS		
MH	YELLOW & YELLOW	30 EA	
			TOTAL 30 EA

NOTE: FOR EACH 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)
- STATIONARY SIGN
- PORTABLE SIGN
- STATIONARY OR PORTABLE SIGN
- 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

APPROVED: _____
DATE: _____

NORTH CAROLINA PROFESSIONAL SEAL 027856 ENGINEER JENNIFER L PORTANOVA
5/11/08

PLAN PREPARED BY: N.C.D.O.T. WORK ZONE TRAFFIC CONTROL UNIT

J. S. Bourne, P.E.	TRAFFIC CONTROL ENGINEER
Joseph Ishak, P.E.	TRAFFIC CONTROL PROJECT ENGINEER
J. L. Portanova, P.E.	TRAFFIC CONTROL PROJECT DESIGN ENGINEER
Habib Lawandos	TRAFFIC CONTROL DESIGN ENGINEER

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PROJ. REFERENCE NO.	SHEET NO.
B-4300	TCP-2

GENERAL NOTES

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

THE FOLLOWING GENERAL NOTES APPLY AT ALL TIMES FOR THE DURATION OF THE CONSTRUCTION PROJECT, EXCEPT WHEN OTHERWISE NOTED IN THE PLAN, OR DIRECTED BY THE ENGINEER.

TIME RESTRICTIONS

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

ROAD NAME	DAY AND TIME RESTRICTIONS
-L- (POOLE RD.)	MONDAY THRU FRIDAY FROM 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
-L- (POOLE RD.)

HOLIDAY

1. FOR ANY UNEXPECTED OCCURRENCE THAT CREATES UNUSUALLY HIGH TRAFFIC VOLUMES, AS DIRECTED BY THE ENGINEER.
2. FOR NEW YEAR'S, BETWEEN THE HOURS OF 7:00 AM DECEMBER 31st TO 6:00 PM JANUARY 2ND. IF NEW YEAR'S DAY IS ON A FRIDAY, SATURDAY, SUNDAY, OR MONDAY THEN UNTIL 6:00 PM THE FOLLOWING TUESDAY.
3. FOR EASTER, BETWEEN THE HOURS OF 7:00 AM THURSDAY AND 6:00 PM MONDAY.
4. FOR MEMORIAL DAY, BETWEEN THE HOURS OF 7:00 AM FRIDAY TO 6:00 PM TUESDAY.
5. FOR INDEPENDENCE DAY, BETWEEN THE HOURS OF 7:00 AM THE DAY BEFORE INDEPENDENCE DAY AND 6:00 PM THE DAY AFTER INDEPENDENCE DAY.

   IF INDEPENDENCE DAY IS ON A FRIDAY, SATURDAY, SUNDAY OR MONDAY THEN BETWEEN THE HOURS OF 7:00 AM THE THURSDAY BEFORE INDEPENDENCE DAY AND 6:00 PM THE TUESDAY AFTER INDEPENDENCE DAY.
6. FOR LABOR DAY, BETWEEN THE HOURS OF 7:00 AM FRIDAY AND 6:00 PM TUESDAY.
7. FOR THANKSGIVING DAY, BETWEEN THE HOURS OF 7:00 AM TUESDAY TO 6:00 PM MONDAY.
8. FOR CHRISTMAS, BETWEEN THE HOURS OF 7:00 AM THE FRIDAY BEFORE THE WEEK OF CHRISTMAS DAY AND 6:00 PM THE FOLLOWING TUESDAY AFTER THE WEEK OF CHRISTMAS.

C) DO NOT CONDUCT ANY HAULING OPERATIONS AGAINST THE FLOW OF TRAFFIC OF AN OPEN TRAVELWAY UNLESS THE HAULING OPERATION IS PROTECTED BY BARRIER OR GUARDRAIL OR AS 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 15 FT OF AN OPEN TRAVEL LANE, CLOSE THE NEAREST OPEN SHOULDER USING ROADWAY STANDARD DRAWING NO. 1101.04 UNLESS THE WORK AREA IS PROTECTED BY BARRIER OR GUARDRAIL OR A LANE CLOSURE IS INSTALLED.

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 INSTALL MORE THAN ONE LANE CLOSURE, IN ANY ONE DIRECTION, ON -L- (POOLE RD).

PAVEMENT EDGE DROP OFF REQUIREMENTS

I) 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 AN EDGE OF PAVEMENT 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.

J) DO NOT EXCEED A DIFFERENCE OF 2 INCHES IN ELEVATION BETWEEN OPEN LANES OF TRAFFIC FOR NOMINAL LIFTS OF 1.5 INCHES. INSTALL ADVANCE WARNING "UNEVEN LANES" SIGNS (W8-11) 500 FT IN ADVANCE AND A MINIMUM OF EVERY HALF MILE THROUGHOUT THE UNEVEN AREA.

TRAFFIC PATTERN ALTERATIONS

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

SIGNING

L) INSTALL ADVANCE WORK ZONE WARNING SIGNS WHEN WORK IS WITHIN 40 FT FROM THE EDGE OF TRAVEL LANE AND NO MORE THAN THREE (3) DAYS PRIOR TO THE BEGINNING OF CONSTRUCTION.

M) PROVIDE PERMANENT SIGNING.

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

O) INSTALL BLACK ON ORANGE "DIP" SIGNS (W8-2) AND/OR "BUMP" SIGNS (W8-1) IN ADVANCE OF THE UNEVEN AREA, OR AS DIRECTED BY THE ENGINEER.

TRAFFIC CONTROL DEVICES

P) SPACE CHANNELIZING DEVICES IN WORK AREAS NO GREATER THAN TWICE THE POSTED SPEED LIMIT (MPH), EXCEPT 10 FT ON-CENTER IN RADII, AND 3 FT OFF THE EDGE OF AN OPEN TRAVELWAY, WHEN LANE CLOSURES ARE NOT IN EFFECT. WHEN SKINNY DRUMS ARE ALLOWED, REFER TO SECTION 1180 OF STANDARD SPECIFICATIONS FOR ROADS AND STRUCTURES OR AS SHOWN IN THE PLANS.

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

PAVEMENT MARKINGS AND MARKERS

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

ROAD NAME	MARKING	MARKER
-L- (POOLE RD.)	THERMOPLASTIC	PERMANENT RAISED

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

ROAD NAME	MARKING	MARKER
-L- (POOLE RD.)	PAINT	TEMPORARY RAISED

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

U) REMOVE/REPLACE ANY CONFLICTING/DAMAGED PAVEMENT MARKINGS AND MARKERS BY THE END OF EACH DAY'S OPERATION.

APPROVED: _____ DATE: _____

NORTH CAROLINA PROFESSIONAL 027856 ENGINEER JENNIFER L PORTANOVA
5/1/08

GENERAL NOTES

SCALE:	NONE
DATE:	04-08
DWG. BY:	HAL
DESIGN BY:	HAL
REVIEWED BY:	JLP

REVISIONS

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PROJ. REFERENCE NO.	SHEET NO.
B-4300	TCP-3

PHASING

NOTES: AT THE END OF EACH WORK DAY RETURN TRAFFIC TO EXISTING TRAFFIC PATTERN, UNLESS OTHERWISE NOTED IN THE PHASING.

MAINTAIN VEHICULAR ACCESS TO DRIVEWAYS AT ALL TIME DURING CONSTRUCTION UNLESS OTHERWISE NOTED IN THE PHASING OR DIRECTED BY THE ENGINEER.

PHASE I

STEP 1: INSTALL WORK ZONE ADVANCE WARNING SIGNS ON ALL ROADWAYS AS SHOWN ON SHEET TCP-7.

STEP 2: USING RSD NO. 1101.02, SHEET 1 OF 9, AS NEEDED, CONSTRUCT -DET- UP TO BUT NOT INCLUDING FINAL LAYER OF SURFACE COURSE FROM -DET- STA. 16+40+/- TO -DET- STA. 24+25+/-. SEE SHEET TCP-4 AND NOTE "F" ON SHEET TCP-2.

PHASE II

WORK IN A CONTINUOUS MANNER TO COMPLETE THE WORK REQUIRED IN PHASE II, STEP 1 IN ONE WEEKEND.

STEP 1: USING RSD 1101.02, SHEET 1 OF 9, IN CONJUNCTION WITH RSD 1101.03, SHEET 3 OF 9, PERFORM THE FOLLOWING:

NOTE: AT THE END OF THE WORKDAY PLACE TRAFFIC IN A TWO-LANE, TWO-WAY ON TEMPORARY DETOUR (-DET-).

1-PLACE TRAFFIC ON EXISTING EB LANE IN A ONE-LANE, TWO-WAY TEMPORARY TRAFFIC PATTERN.

2-TIE-IN UP TO BUT NOT INCLUDING THE FINAL LAYER OF SURFACE COURSE OF WB -DET- LANE FROM -DET- STA. 15+00+/- TO -DET- STA. 16+40+/- AND FROM -DET- STA. 24+25+/- TO -DET- STA. 25+61+/-.

3-SHIFT TRAFFIC TO A TEMPORARY ONE-LANE, TWO-WAY TRAFFIC PATTERN ON -DET- WB LANE.

4-TIE-IN UP TO BUT NOT INCLUDING FINAL LAYER OF SURFACE COURSE OF -DET- EB LANE FROM -DET- STA. 15+00+/- TO -DET- STA. 16+40+/- AND FROM -DET- STA. 24+25+/- TO -DET- STA. 25+61+/-.

5-OPEN -DET- TO A TWO-LANE, TWO-WAY TRAFFIC PATTERN

6-USING RSD 1101.02, SHEET 1 OF 9, PLACE TEMPORARY PAVEMENT MARKINGS (PAINT) FROM -DET- STA 15+00+/- TO -DET- STA. 25+61+/-.

STEP 2: USING RSD 1101.02, SHEET 1 OF 9, PERFORM THE FOLLOWING: (SEE TCP-5)

-PLACE FINAL LAYER OF SURFACE COURSE ON -DET- FROM STA. 15+00+/- TO STA. 25+61+/-.

-PLACE TEMPORARY PAVEMENT MARKINGS (PAINT) AND MARKERS (TEMPORARY RAISED) FROM -DET- STA. 15+00+/- TO -DET- STA. 25+61+/-.

-CONSTRUCT -L- UP TO BUT NOT INCLUDING THE FINAL LAYER OF SURFACE COURSE FROM -L- STA. 17+00+/- TO -L- STA. 24+20+/-, INCLUDING PROPOSED CULVERTS.
(NOTE: USE TEMPORARY SLOPE ON THE LEFT SIDE OF -L- FROM STA. 22+50+/- TO STA. 23+00+/- TO MAINTAIN POSITIVE DRAINAGE DURING CONSTRUCTION. SEE ROADWAY PLANS).

-INSTALL PROPOSED GUARDRAIL AS FOLLOWS:

*RIGHT SIDE OF -L- FROM -L- STA. 17+50+/- TO -L- STA. 21+60+/-
*LEFT SIDE OF -L- FROM -L- STA. 18+50+/- TO -L- STA. 22+51+/-

PHASE III

WORK IN A CONTINUOUS MANNER TO COMPLETE THE WORK IN PHASE III, STEP 1 IN ONE WEEKEND.

STEP 1: USING RSD 1101.02, SHEET 1 OF 9, PERFORM THE FOLLOWING:

NOTE: AT THE END OF THE WORKDAY PLACE TRAFFIC IN A TWO-LANE, TWO-WAY ON PROPOSED -L-.

1-PLACE TRAFFIC ON -DET- WB LANE IN A ONE-LANE, TWO-WAY TEMPORARY TRAFFIC PATTERN.

2-TIE-IN UP TO BUT NOT INCLUDING THE FINAL LAYER OF SURFACE COURSE OF PROPOSED EB LANE FROM -L- STA. 15+00+/- TO -L- STA. 17+00+/- AND FROM -L- STA. 24+20+/- TO -L- STA. 25+50+/-.

3-SHIFT TRAFFIC TO A TEMPORARY ONE-LANE, TWO-WAY TRAFFIC PATTERN ON -L- EB LANE.

4-TIE-IN UP TO BUT NOT INCLUDING FINAL LAYER OF SURFACE COURSE OF -L- WB LANE FROM -L- STA. 15+00+/- TO -L- STA. 17+00+/- AND FROM -L- STA. 24+20+/- TO -L- STA. 25+50+/-.

5- OPEN PROPOSED -L- TO A TWO-LANE, TWO-WAY TRAFFIC PATTERN.

6-USING RSD 1101.02, SHEET 1 OF 9, PLACE TEMPORARY PAVEMENT MARKINGS (PAINT) AND MARKERS (TEMPORARY RAISED) ON -L-.

STEP 2: USING RSD 1101.02, SHEET 1 OF 9, REMOVE -DET- AND COMPLETE CONSTRUCTION OF -L- APPROACHES UP TO BUT NOT INCLUDING THE FINAL LAYER OF SURFACE COURSE FROM -L- STA. 15+00+/- TO -L- STA. 25+50+/-.
SEE TCP-6 AND ROADWAY PLANS.

STEP 3: USING RSD 1101.02, SHEET 1 OF 9, PLACE FINAL LAYER OF SURFACE COURSE AND FINAL PAVEMENT MARKINGS (THERMOPLASTIC) AND MARKERS (PERMANENT RAISED) ON -L- (POOLE RD) FROM -L- STA. 15+00+/- TO -L- STA. 25+50+/-.

STEP 4: REMOVE ADVANCE WORK ZONE WARNING SIGNS AND ALL TEMPORARY TRAFFIC CONTROL DEVICES.

FINAL PAVEMENT MARKING SCHEDULE

SYMBOL	DESCRIPTION	PAY ITEM QUANTITY BREAKDOWN	TOTAL QUANTITY
	FINAL PAVEMENT MARKINGS THERMOPLASTIC (4", 90 MILS) Standard Glass Beads		
TA	WHITE EDGE LINE	2200 LF	
			TOTAL 2200 LF
	THERMOPLASTIC (4", 120 MILS) Standard Glass Beads		
TI	YELLOW DOUBLE CENTER	2200 LF	
			TOTAL 2200 LF
	PERMANENT RAISED PAVEMENT MARKERS		
MA	YELLOW & YELLOW	15 EA	
			TOTAL 15 EA

APPROVED:_____ DATE:_____

NORTH CAROLINA PROFESSIONAL 027856 ENGINEER JENNIFER L. PORTANOVA
Jennifer L. Portanova
5/1/08

PHASING AND FINAL PAVEMENT MARKING SCHEDULE

SCALE:	NONE
DATE:	April 08
DWG. BY:	HAL
DESIGN BY:	HAL
REVIEWED BY:	JLP

DIVISION OF HIGHWAYS TRAFFIC ENGINEERING BRANCH

REVISIONS

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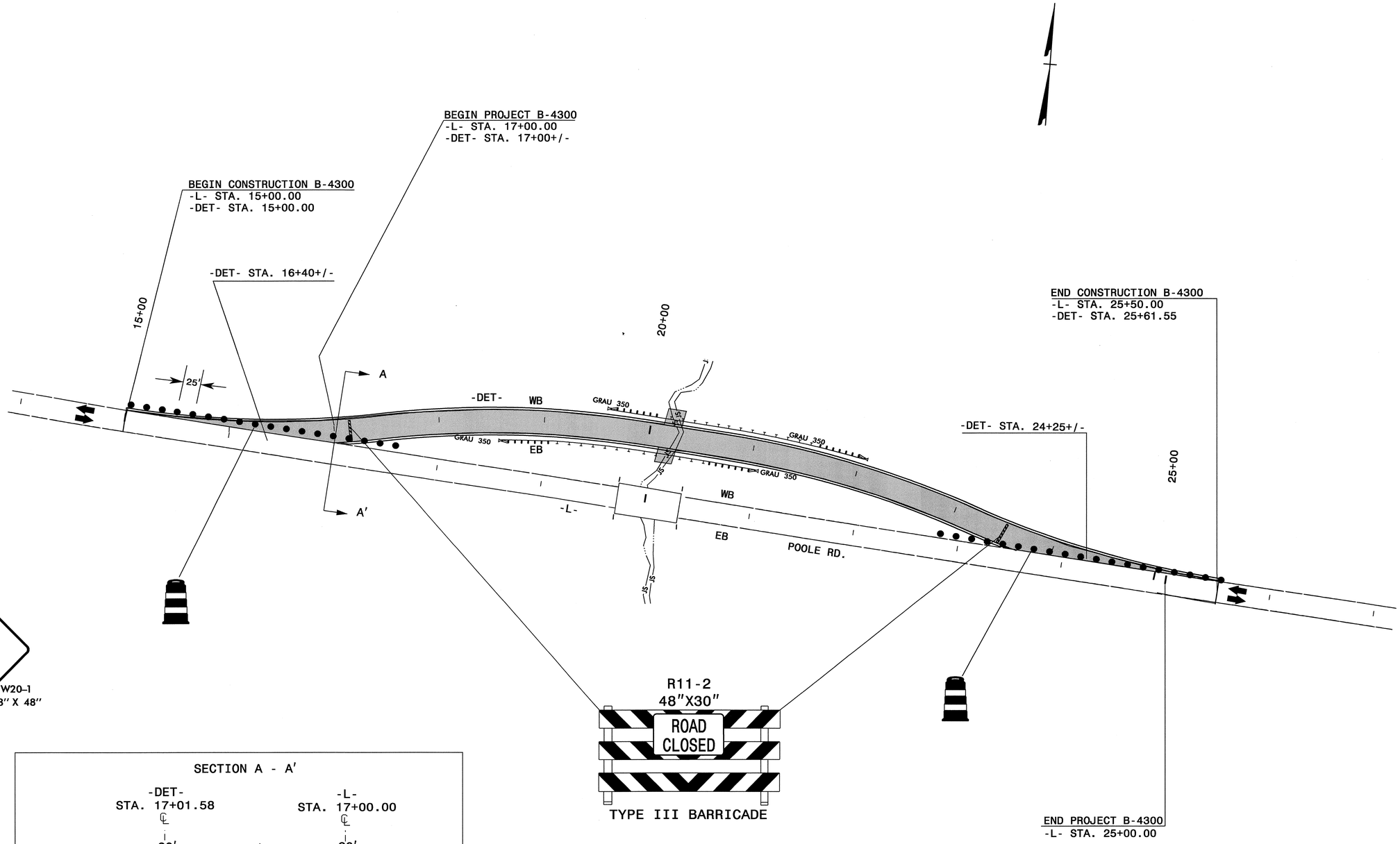
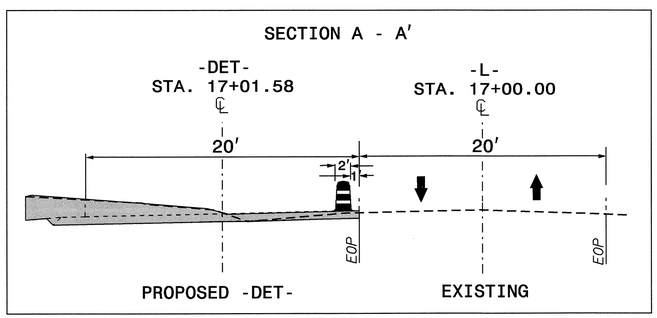
PROJ. REFERENCE NO.	SHEET NO.
B-4300	TCP-4





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APPROVED: _____ DATE: _____

NORTH CAROLINA PROFESSIONAL ENGINEER SEAL 027856 JENNIFER L. PONTANOVA
5/1/08

PHASE I, DETAIL

SCALE:	NONE
DATE:	April 08
DWG. BY:	HAL
DESIGN BY:	HAL
REVIEWED BY:	JLP

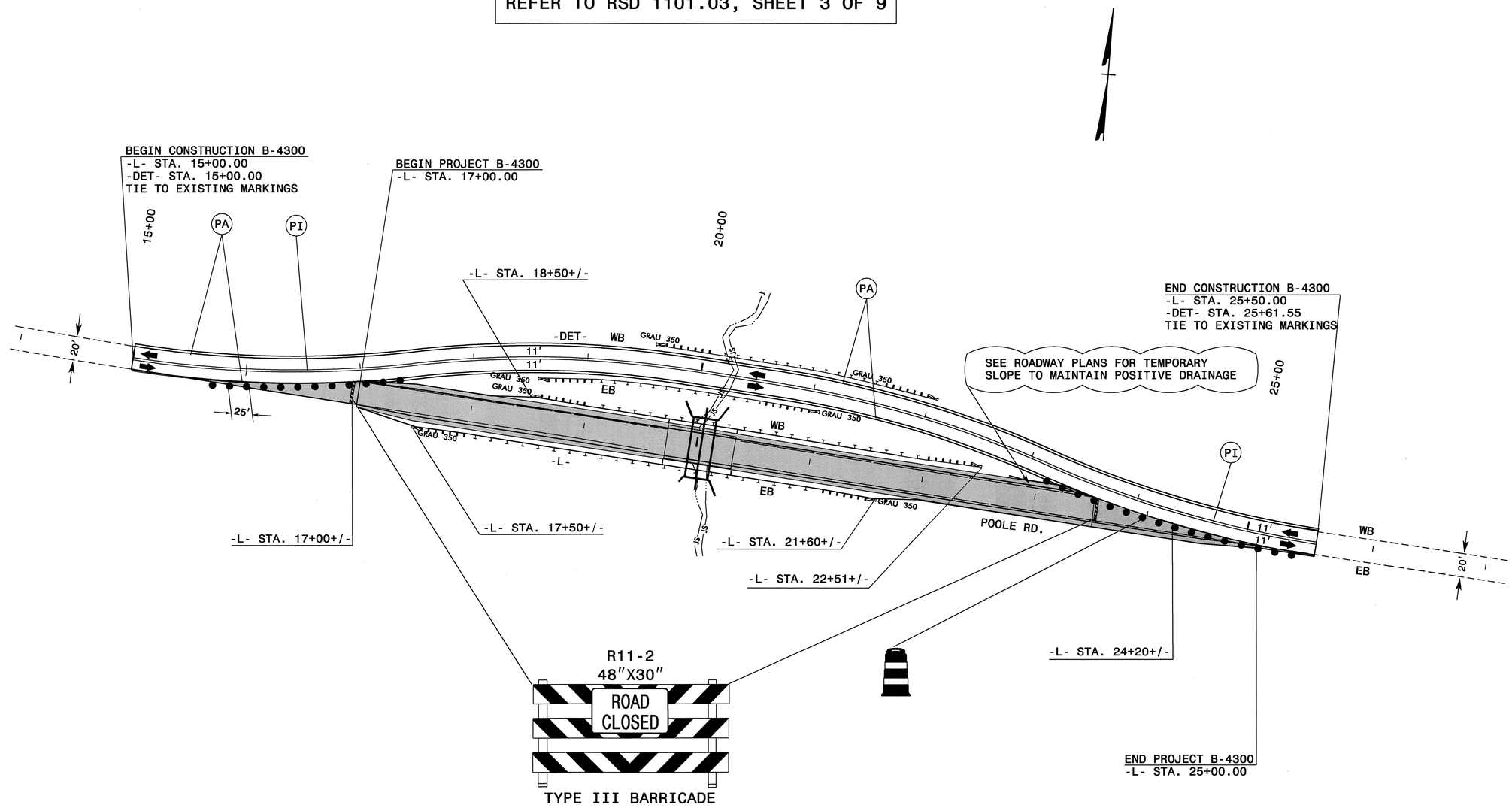
DIVISION OF HIGHWAYS TRAFFIC ENGINEERING BRANCH

REVISIONS

CADD FILE

PROJ. REFERENCE NO.	SHEET NO.
B-4300	TCP-5

REFER TO RSD 1101.03, SHEET 3 OF 9



APPROVED:_____ DATE:_____

NORTH CAROLINA PROFESSIONAL ENGINEER SEAL 027856 JENNIFER L FORTANOVA 5/1/08

PHASE II, DETAIL

SCALE:	NONE
DATE:	April 08
DWG. BY:	HAL
DESIGN BY:	HAL
REVIEWED BY:	JLP

DIVISION OF HIGHWAYS TRAFFIC ENGINEERING BRANCH

REVISIONS

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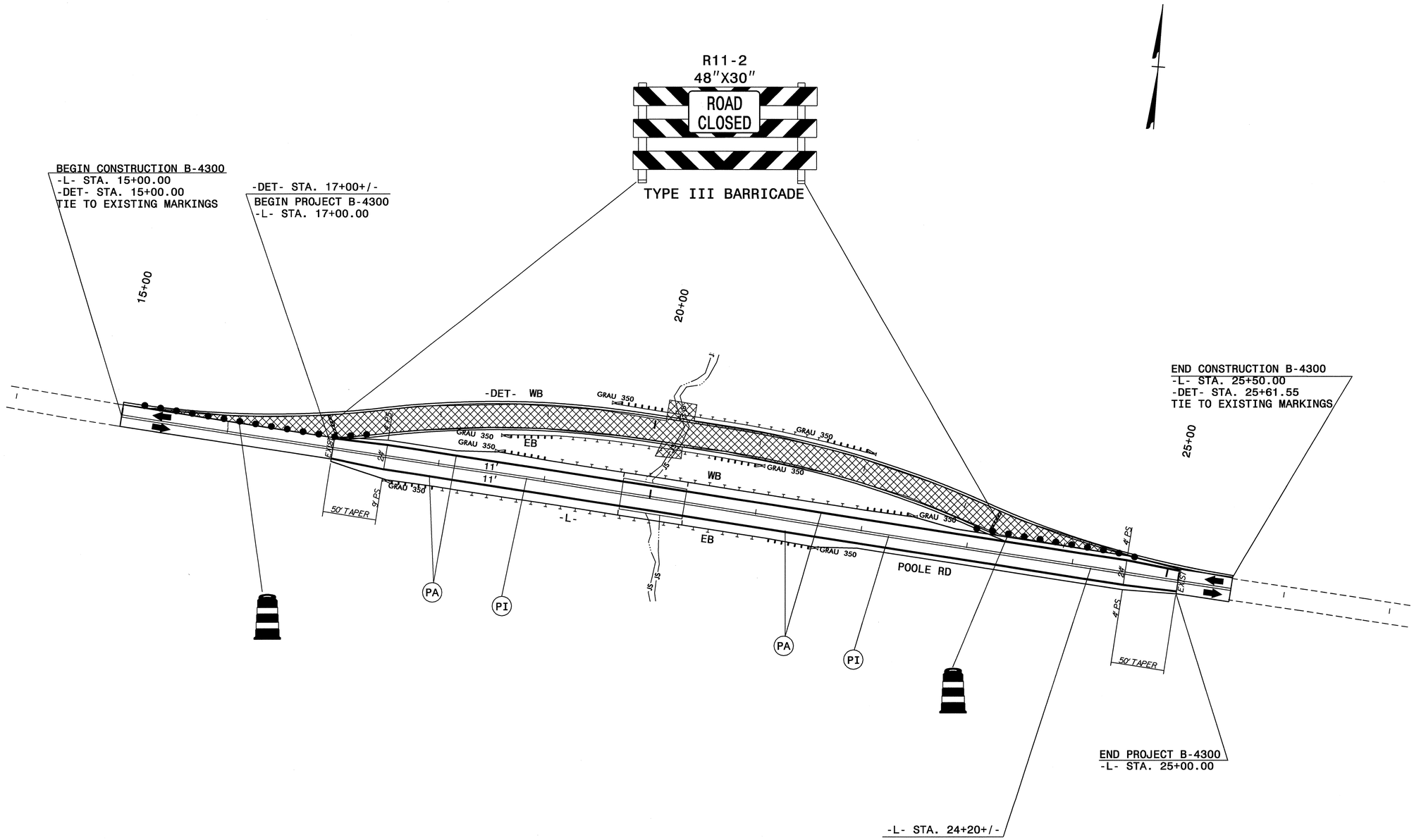
B-4300	TCP-6



APPROVED: _____ DATE: _____

NORTH CAROLINA PROFESSIONAL SEAL 027856 ENGINEER JENNIFER L. PORTANOVA

5/1/08

PHASE III, DETAIL

SCALE:	NONE
DATE:	April 08
DWG. BY:	HAL
DESIGN BY:	HAL
REVIEWED BY:	JLP

REVISIONS

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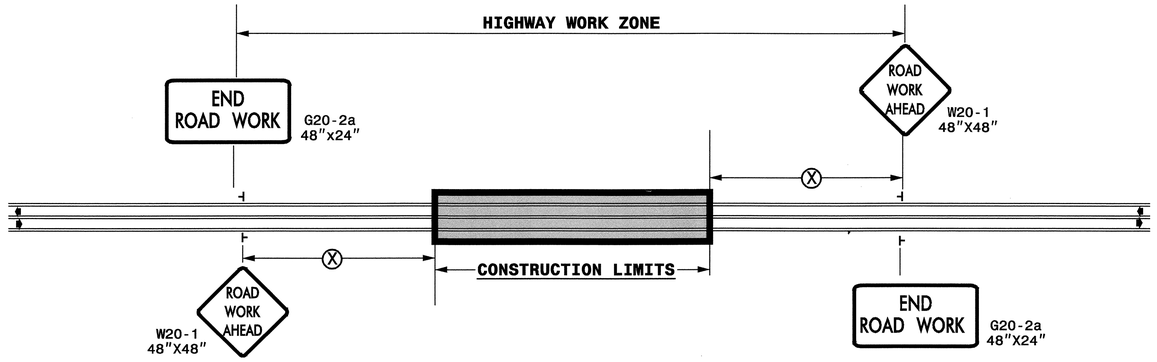
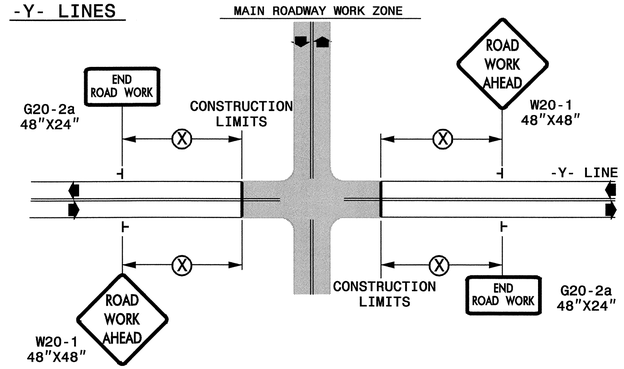
PROJ. REFERENCE NO.	SHEET NO.
B-4300	TCP-7

TWO-WAY UNDIVIDED ** (L-LINES)



POSTED SPEED LIMIT (M.P.H.)	RECOMMENDED MINIMUM SIGN SPACING (X)
≤ 50	500′
≥ 55	1000′

ROADWAYS INTERSECTING ALONG 2 WAY UNDIVIDED WORK ZONE (Y-LINES)



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.
- ** TWO-WAY UNDIVIDED ADVANCE WARNING SIGN CONFIGURATION MAY BE USED ON URBAN MULTI-LANE FACILITIES WHERE CONDITIONS LIMIT THE USE OF DUAL MOUNTED SIGNS AS DETERMINED BY THE ENGINEER.

LEGEND

- ⊢ STATIONARY SIGN
- ⬅ DIRECTION OF TRAFFIC FLOW

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

DETAIL DRAWING FOR TWO-WAY UNDIVIDED WORK ZONE WARNING SIGNS

SHEET 1 OF 1

APPROVED:_____ DATE:_____

NORTH CAROLINA PROFESSIONAL SEAL 027856 ENGINEER JENNIFER L. PORTANOVA 5/1/08

DETAIL DRAWING FOR TWO-WAY UNDIVIDED AND URBAN FREEWAYS ADVANCED WORK ZONE WARNING SIGNS

SCALE: NONE	REVISIONS	
DATE:	7-98	10/01
DWG. BY:	10-98	03/04
DESIGN BY:	01/01	11/04
REVIEWED BY:	CADD FILE	

DIVISION OF HIGHWAYS TRAFFIC ENGINEERING BRANCH TRAFFIC ENGINEERING DESIGN UNIT

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