

STATE OF NORTH CAROLINA
DIVISION OF HIGHWAYS

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

STATE PROJECT REFERENCE NO.		SHEET NO.
R-2719A		TCP-01
STATE PROJ. NO.	F. A. PROJ. NO.	DESCRIPTION
34501.1.1		P.E.
		CONST.

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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 JANUARY 1998 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 PLAN 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
1150.01	FLAGGERS
1160.01	TEMPORARY CRASH CUSHION - REFLECTIVE END TREATMENT
1165.01	TRUCK MOUNTED IMPACT ATTENUATOR
1205.01	PAVEMENT MARKINGS - LINE TYPES & OFFSETS
1205.02	PAVEMENT MARKINGS - 2 LANE & MULTILANE ROADWAYS
1205.03	PAVEMENT MARKINGS - INTERCHANGES
1205.04	PAVEMENT MARKINGS - INTERSECTIONS
1205.05	PAVEMENT MARKINGS - TURN LANES
1205.06	PAVEMENT MARKINGS - THRU LANE DROPS
1205.08	PAVEMENT MARKINGS - SYMBOLS & WORDS
1205.12	PAVEMENT MARKINGS - BRIDGES
1250.01	PAVEMENT MARKER SPACING
1251.01	RAISED PAVEMENT MARKERS (TEMPORARY)
1253.01	SNOWPLOWABLE RAISED PAVEMENT MARKERS
1261.01	GUARDRAIL & BARRIER DELINEATOR SPACING
1261.02	GUARDRAIL & BARRIER DELINEATOR TYPES
1263.01	FLEXIBLE DELINEATOR INSTALLATION
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1263.03	FLEXIBLE DELINEATORS - INTERCHANGES
1264.01	OBJECT MARKERS
1264.02	PLACEMENT OF OBJECT MARKERS

INDEX OF SHEETS

SHEET NO.	TITLE
TCP-01	LIST OF APPLICABLE ROADWAY STANDARD DRAWINGS, LEGEND, INDEX OF SHEETS, AND TEMP. PAVEMENT MARKING SCHEDULE.
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TCP-05 TO TCP-06	PHASE I OVERVIEWS
TCP-07	PHASE II OVERVIEWS
TCP-08 TO TCP-15	PHASE II DETAILS
TCP-16 TO TCP-18	WORK ZONE ADVANCED WARNING SIGNS
PM-01 TO PM-04	PAVEMENT MARKING DETAILS

TEMP. PAV'T MARKING SCHEDULE

SYMBOL	DESCRIPTION	PAY ITEM
PAVEMENT MARKING LINES		
CA	WHITE EDGELINE	REMOVABLE TAPE (4")
CB	YELLOW EDGELINE	
PA	WHITE EDGELINE 1X	PAINT (4")
PB	YELLOW EDGELINE 1X	
PC	10 FT WHITE SKIP 1X	
PD	2 FT WHITE MINISKIP 1X	
PE	WHITE SOLID LANE LINE 1X	
PF	10 FT YELLOW SKIP 1X	
PH	YELLOW SINGLE CENTERLINE 1X	
PI	YELLOW DOUBLE CENTERLINE 1X	
PV	YELLOW DIAGONAL 1X	PAINT (8")
P4	WHITE STOP BAR 1X	PAINT (24")
QA	LEFT TURN ARROW 1X	PAINT
QB	RIGHT TURN ARROW 1X	
QC	STRAIGHT ARROW 1X	
QD	COMB STRAIGHT & LT TURN ARROW 1X	
QE	COMB STRAIGHT & RT TURN ARROW 1X	
QI	ALPHANUMERIC CHARACTER 1X	
PAVEMENT MARKERS		
MA	YELLOW & YELLOW	TEMPORARY RAISED
MB	CRYSTAL & RED	

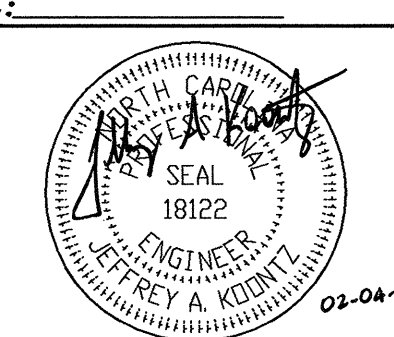
LEGEND

- GENERAL**
- DIRECTION OF TRAFFIC FLOW
 - NORTH ARROW
 - PROPOSED PVMT. EXIST. PVMT.
 - WORK AREA
 - WEDGING AND WIDENING
 - 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
 - WARNING FLAGS
 - CRASH CUSHION
 - CHANGEABLE MESSAGE SIGN
 - TRUCK MOUNTED IMPACT ATTENUATOR (TMIA)
 - POLICE
 - FLAGGER
- PAVEMENT MARKINGS**
- CRYSTAL PAVEMENT MARKER
 - YELLOW/YELLOW PAVEMENT MARKER
 - CRYSTAL/RED PAVEMENT MARKER
 - PAVEMENT MARKING SYMBOLS

R-2719A

PROJECT: 34501.1.1

FEBRUARY 3, 2009 GRADING ONLY TCP

<p>PLAN REVIEWED BY: N.C.D.O.T. TRAFFIC CONTROL, MARKING & DELINEATION SECTION</p> <p>STUART BOURNE, P.E. TRAFFIC CONTROL ENGINEER</p> <p>LAWRENCE GETTIER, P.E. TRAFFIC CONTROL PROJECT ENGINEER</p> <p>JAY WOOLARD, P.E. TRAFFIC CONTROL PROJ. DESIGN ENGINEER</p> <p>TRAFFIC CONTROL DESIGN ENGINEER</p> <p>TRAFFIC CONTROL DESIGN TECHNICIAN</p>	<p>APPROVED: _____</p> <p>DATE: _____</p> <p>SEAL</p> 	<p>PLAN PREPARED FOR N.C.D.O.T. BY: URS CORPORATION Morrisville, NC</p> <p>J.A. KOONTZ, P.E. PROJECT ENGINEER</p> <p>M.D. LITTLEFIELD DESIGN ENGINEER</p> <p>L.H. MCARTHUR DESIGN TECHNICIAN</p>
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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
1. US 258 (Y24)	MONDAY-FRIDAY 6:00 A.M. TO 9:00 A.M.

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

ROAD NAME	HOLIDAY
1. US 258 (Y24)	
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 4:00 P.M. DECEMBER 31ST TO 9:00 A.M. JANUARY 2ND. IF NEW YEAR'S DAY IS ON A FRIDAY SATURDAY, SUNDAY, OR MONDAY THEN UNTIL 9:00 A.M. THE FOLLOWING TUESDAY.
3.	FOR EASTER, BETWEEN THE HOURS OF 4:00 P.M. THURSDAY AND 9:00 A.M. MONDAY.
4.	FOR MEMORIAL DAY, BETWEEN THE HOURS OF 4:00 P.M. FRIDAY TO 9:00 A.M. TUESDAY.
5.	FOR INDEPENDENCE DAY, BETWEEN THE HOURS OF 4:00 P.M. THE DAY BEFORE INDEPENDENCE DAY AND 9:00 A.M. THE DAY AFTER INDEPENDENCE DAY. IF INDEPENDENCE DAY IS ON A FRIDAY, SATURDAY, SUNDAY OR MONDAY THEN BETWEEN THE HOURS OF 4:00 P.M. THE THURSDAY BEFORE INDEPENDENCE DAY AND 9:00 A.M. THE TUESDAY AFTER INDEPENDENCE DAY.
6.	FOR LABOR DAY, BETWEEN THE HOURS OF 4:00 P.M. FRIDAY AND 9:00 A.M. TUESDAY.
7.	FOR THANKSGIVING, BETWEEN THE HOURS OF 4:00 P.M. TUESDAY TO 9:00 A.M. MONDAY.
8.	FOR CHRISTMAS, BETWEEN THE HOURS OF 4:00 P.M. THE FRIDAY BEFORE THE WEEK OF CHRISTMAS DAY AND 9:00 A.M. THE FOLLOWING MONDAY AFTER THE WEEK OF CHRISTMAS.

C) DO NOT STOP TRAFFIC AS FOLLOWS:

ROAD NAME	DAY AND TIME RESTRICTION	DURATION AND OPERATION
1. US 258 (Y24)	MON-SUN 6A.M.-10P.M.	2 HR: PLACING BRIDGE GIRDERS
2. SR 2001 LANDMARK DR (Y8)	MON-SUN 6A.M.-10P.M.	2 HR: PLACING BRIDGE GIRDERS
3. SR 1546 BANK SCHOOL RD (Y3)	MON-SUN 6A.M.-10P.M.	2 HR: PLACING BRIDGE GIRDERS
4. CRESCENT RD (L)	MON-FRI 6A.M.-9A.M.	15 MINS: PLACING PAVEMENT MARKINGS

D) 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

- E) 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.
- F) 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.
- G) WHEN PERSONNEL AND/OR EQUIPMENT ARE WORKING ON THE SHOULDER ADJACENT TO AN UNDIVIDED FACILITY AND WITHIN 5 FT OF AN OPEN TRAVEL LANE, CLOSE THE NEAREST OPEN TRAVEL LANE USING ROADWAY STANDARD DRAWING NO. 1101.02 UNLESS THE WORK AREA IS PROTECTED BY BARRIER OR GUARDRAIL.

H) 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.

I) DO NOT WORK SIMULTANEOUSLY WITHIN 15 FT ON BOTH SIDES OF AN OPEN TRAVELWAY, RAMP OR LOOP WITHIN THE SAME LOCATION UNLESS PROTECTED WITH GUARDRAIL OR BARRIER.

J) DO NOT INSTALL MORE THAN 3 MILES OF LANE CLOSURE ON CRESCENT ROAD (L), MEASURED FROM THE BEGINNING OF THE MERGE TAPER TO THE END OF THE LANE CLOSURE.

K) NOTE NOT NEEDED.

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

PAVEMENT EDGE DROP OFF REQUIREMENTS

- M) BACKFILL AT A 6:1 SLOPE UP TO THE EDGE AND ELEVATION OF EXISTING PAVEMENT IN AREAS ADJACENT TO AN OPENED TRAVEL LANE THAT HAS A DROP-OFF AS FOLLOWS:
BACKFILL DROP-OFFS THAT EXCEED 2 INCHES ON ROADWAYS WITH POSTED SPEED LIMITS OF 45 MPH OR GREATER.
BACKFILL DROP-OFFS THAT EXCEED 3 INCHES ON ROADWAYS WITH POSTED SPEED LIMITS LESS THAN 45 MPH.
BACKFILL WITH SUITABLE COMPACTED MATERIAL, AS APPROVED BY THE ENGINEER, AT NO EXPENSE TO THE DEPARTMENT.
- N) 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 ONCE EVERY HALF MILE THROUGHOUT THE UNEVEN AREA.

TRAFFIC PATTERN ALTERATIONS

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

SIGNING

- P) 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.
- Q) PROVIDE PERMANENT SIGNING.
- R) PROVIDE DETOUR SIGNING WITHIN THE PROJECT LIMITS.
- S) COVER OR REMOVE ALL DETOUR SIGNS WITHIN THE PROJECT LIMITS WHEN A DETOUR IS NOT IN OPERATION.
- T) ENSURE ALL NECESSARY SIGNING IS IN PLACE PRIOR TO ALTERING ANY TRAFFIC PATTERN.
- U) INSTALL BLACK ON ORANGE "DIP" SIGNS (W8-2) AND/OR "BUMP" SIGNS 500 FT IN ADVANCE OF THE UNEVEN AREA, OR AS DIRECTED BY THE ENGINEER.

TRAFFIC CONTROL DEVICES

- V) SPACE CHANNELIZING DEVICES IN WORK AREAS EQUAL IN METERS TO 2/3rds 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.
- W) PLACE TYPE III BARRICADES, WITH "ROAD CLOSED" SIGN R11-2 ATTACHED, OF SUFFICIENT LENGTH TO CLOSE ENTIRE ROADWAY.
- X) PLACE ADDITIONAL SETS OF THREE CHANNELIZING DEVICES PERPENDICULAR TO THE EDGE OF TRAVELWAY ON 500 FTm CENTERS WHEN UNOPENED LANES ARE CLOSED TO TRAFFIC.

PAVEMENT MARKINGS AND MARKERS

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

ROAD NAME	MARKING	MARKER
1. ALL ROADS	THERMOPLASTIC	SNOWPLOWABLE

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

ROAD NAME	MARKING	MARKER
1. CRESCENT RD/DETOUR	REMOVABLE TAPE	TEMPORARY RAISED
2. OTHER ROADS	PAINT	TEMPORARY RAISED

- AA) PLACE ONE APPLICATION OF PAINT FOR TEMPORARY TRAFFIC PATTERNS. PLACE A SECOND APPLICATION OF PAINT SIX (6) MONTHS AFTER THE INITIAL APPLICATION AND EVERY SIX MONTHS AS DIRECTED BY THE ENGINEER.
- BB) TIE PROPOSED PAVEMENT MARKING LINES TO EXISTING PAVEMENT MARKING LINES.
- CC) REMOVE/REPLACE ANY CONFLICTING/DAMAGED PAVEMENT MARKINGS AND MARKERS BY THE END OF EACH DAY'S OPERATION.
- DD) TRACE THE EDGE OF PROPOSED MONOLITHIC ISLANDS LOCATIONS WITH PROPER COLOR PAVEMENT MARKINGS PRIOR TO INSTALLATION. PLACE DRUMS TO DELINEATE ANY PROPOSED MONOLITHIC ISLANDS BEFORE INSTALLATION
- 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.

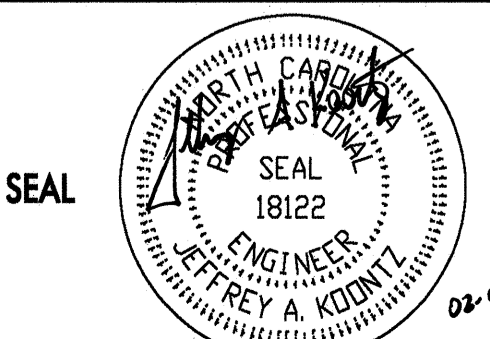
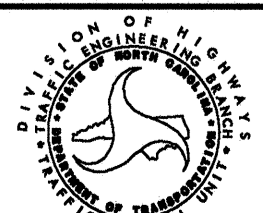
TEMPORARY/FINAL SIGNALS

- FF) NOTIFY THE ENGINEER TWO (2) MONTHS BEFORE A TRAFFIC SIGNAL INSTALLATION BY OTHERS IS REQUIRED.
- GG) SHIFT AND REVISE ALL SIGNAL HEADS AS SHOWN ON THE SIGNAL PLANS.

MISCELLANEOUS

- HH) POLICE MAY BE USED TO MAINTAIN TRAFFIC THROUGH THE WORK AREA AND/OR INTERSECTIONS, AS DIRECTED BY THE ENGINEER.
- II) IN THE EVENT A TIE-IN CANNOT BE MADE IN ONE DAYS TIME, BRING THE TIE-IN AREA TO AN APPROPRIATE ROADWAY ELEVATION, AS DETERMINED BY THE ENGINEER. PLACE BLACK ON ORANGE "LOOSE GRAVEL" SIGNS (W8-7) AND BLACK ON ORANGE "PAVEMENT ENDS" SIGNS (W8-3) 500 FT (150m) AND 1000 FT (300m) RESPECTIVELY IN ADVANCE OF THE UNEVEN AREAS. USE DRUMS TO DELINEATE THE EDGE OF ROADWAY ALONG UNPAVED AREAS.
- JJ) PLACE DRUMS TO DELINEATE PROPOSED ISLANDS BEFORE INSTALLATION.

\$\$\$SYTIME\$\$\$\$\$
 \$\$\$USERNAME\$\$\$\$\$

APPROVED: _____	DATE: _____	PROJECT NOTES	
	SCALE: NONE		REVISIONS
	DATE: 02/2009		
	DWG. BY: LHM		
	DESIGN BY: JAK		
	REVIEWED BY: MDL		

PHASE I

STEP 1) PRIOR TO ANY CONSTRUCTION ACTIVITY, INSTALL WORK ZONE ADVANCE WARNING SIGNS ON ALL STATE AND LOCAL ROADS INVOLVED - ENTERPRISE BLVD, INDUSTRIAL DRIVE, DALY WALTHROP ROAD, PAUL'S PATH ROAD, US 258, CRESCENT ROAD, AND POOLE ROAD ACCORDING TO TCP-16 THRU TCP-18 FOR ADVANCED WARNING SIGNS.

STEP 2) WITHOUT INTERFERING WITH TRAFFIC, BEGIN GRADING OR PAVING CONSTRUCTION OF PROPOSED CRESCENT ROAD (-L-), INTERCHANGE RAMP AND LOOPS, -Y- LINES (-Y1- & -Y8-), SERVICE ROADS 1, 2, 3, 4 AND 5, DETOUR (-D1- AND -D2-) UP TO, BUT NOT INCLUDING THE FINAL LAYER OF SURFACE COURSE FOR PAVED ROADS, AND PROPOSED BRIDGES ACCORDING TO THE FOLLOWING STATIONS (SEE OVERVIEWS ON TCP-05 THRU TCP-06):

- L- STA 50+30.88 TO STA 173+00+/- (GRADING ONLY)
- L- STA 173+00+/- TO STA 177+50+/- LT (GRADING ONLY)
- L- STA 180+00+/- TO STA 185+00+/- RT (GRADING ONLY)
- L- STA 185+00+/- TO STA 243+60.21+/- (GRADING ONLY)
- L- STA 243+61.21 TO STA 247+44+/- (PAVED)
- Y1- STA 29+60+/- TO STA 84+00+/- (GRADING ONLY)
- Y1- STA 87+00+/- TO STA 106+00+/- (GRADING ONLY)
- Y1RPA- STA 0+00 TO STA 15+02+/- (GRADING ONLY)
- Y1RPB- STA 0+00 TO STA 35+55+/- (GRADING ONLY)
- Y1RPCA- STA 0+00 TO STA 68+73+/- (GRADING ONLY)
- Y1LPC- STA 0+00 TO STA 14+34+/- (GRADING ONLY)
- Y8- STA 10+58+/- TO STA 14+65+/- (GRADING ONLY)
- SVRD1- STA 10+50+/- TO STA 12+57+/- (PAVED)
- SVRD2- STA 10+49+/- TO STA 14+40+/- (PAVED)
- SVRD3- STA 21+00+/- TO STA 45+25+/- (PAVED)
- SVRD4- STA 17+50+/- TO STA 19+17+/- (PAVED)
- SVRD5- STA 10+12+/- TO STA 27+89+/- (PAVED)
- Y24RPB- STA 0+00 TO STA 15+65.23 (GRADING ONLY)
- Y24RPB- STA 15+65.23 TO STA 19+19+/- (PAVED)
- Y24LPB- STA 0+00 TO STA 11+17+/- (PAVED)
- Y24RPC- STA 0+00 TO STA 17+66.91 (GRADING ONLY)
- Y24RPC- STA 17+66.91 TO STA 21+35+/- (GRADING ONLY)
- Y24LPC- STA 0+00 TO STA 11+88+/- (PAVED)
- D1- STA 10+00 TO STA 12+06+/- (PAVED)
- D2- STA 10+00 TO STA 11+64+/- (PAVED)

DO NOT PAVE -SVRD5- UNTIL GIRDERS ON BRIDGE OVER -SVRD5- AND NORTH CAROLINA RAILROAD HAVE BEEN SET.

USING ROADWAY STANDARD DRAWING 1101.05, PLACE "TRUCK ENTRANCE" SIGNS IN ADVANCE OF PROJECT HAULING ACCESS ROADS ON US 258, US 70 AND OTHER -Y- LINES AS REQUIRED.

PLACE BARRICADES TO CLOSE ACCESS TO NEW CONSTRUCTION AT THE FOLLOWING LOCATIONS:

- Y6- STA 33+00+/-
- SVRD1- STA 10+20 +/-
- SVRD5- STA. 10+25+/-

USE ROADWAY STANDARD DRAWINGS 1101.03 (SHEET 8 OF 9) FOR TEMPORARY LANE CLOSURES TO CONSTRUCT THE BRIDGES AT US 70 (-Y1-) OVER INDUSTRIAL DRIVE (-Y9-), CRESCENT ROAD (-L-) OVER BANK SCHOOL ROAD (-Y3-), CRESCENT ROAD (-L-) OVER PAUL'S PATH ROAD (-Y5-), ACCORDING TO THE FOLLOWING STATIONS (SEE OVERVIEW ON TCP-05 AND TCP-06):

- Y1- STA 96+34+/- TO STA 98+16+/-
- L- STA 111+66+/- TO STA 115+16+/-
- L- STA 211+05+/- TO STA 213+15+/-

USING ROADWAY STANDARD DRAWINGS 1101.02 (SHEETS 1, 2 AND 3 OF 9) FOR TEMPORARY LANE CLOSURES, BEGIN CONSTRUCTION, DRAINAGE CROSSINGS OR WEDGING AND WIDENING OF SR 1575 POOLE ROAD (-Y6-), SERVICE ROAD 1 AND US 258 (-Y24-), ACCORDING TO THE FOLLOWING STATIONS (SEE OVERVIEWS ON TCP-05 AND TCP-06):

- Y6- STA 10+52+/- TO STA 34+00.00 (WEDGING & WIDENING)
- Y24- STA 22+00+/- TO STA 54+50+/- (WEDGING & WIDENING)
- SVRD1- STA 10+08+/- TO STA 10+50+/-
- SVRD1- STA 12+57+/- TO STA 14+00+/-

AND DRAINAGE CROSSINGS AT

- Y24- 26+16 RT -Y24- 33+84 -Y24- 36+98
- Y24- 38+35 LT -Y24- 40+50 RT -Y24- 47+40

PHASE II

STEP 1) USING ROADWAY STANDARD DRAWING 1101.02 (SHEET 3 OF 9) AND FLAGGERS FOR TEMPORARY CRESCENT ROAD LANE CLOSURES (INSIDE WB LANE AND INSIDE/OUTSIDE EB LANES), COMPLETE CONSTRUCTION OF THE CRESCENT ROAD DETOUR (-D1- AND -D2-) AND POOLE RD (-Y6-) ACCORDING TO THE FOLLOWING STATIONS (SEE DETAIL ON TCP-08):

- Y6- STA 10+52+/- TO STA 34+00
- D1- STA 10+00+/- TO STA 16+40+/-
- D2- STA 10+00+/- TO STA 16+11+/-

AND USING 1101.02 (SHEET 1 OF 3) AND FLAGGERS OR WORKING AWAY FROM TRAFFIC, PLACE TEMPORARY PAVEMENT MARKINGS (PAINT) AND MARKERS (TEMPORARY RAISED) ON -Y6-, -D1- AND -D2- AS SHOWN ON THE DETAIL ON TCP-10 AND PM-02 THRU PM-03. MAINTAIN BARRICADES AT THE END OF POOLE RD AS SHOWN ON TCP-08 TO CLOSE DETOUR TO EASTBOUND TRAFFIC.

INSTALL AND COVER TEMPORARY SIGNAL AT THE INTERSECTION OF US 258 AND POOLE ROAD (-Y6-).

STEP 2) WORKING IN A CONTINUOUS MANNER FOR STEP 2, USING ROADWAY STANDARD DRAWING 1101.03 AND FLAGGERS, CLOSE EASTBOUND LANES OF CRESCENT ROAD AT US 258 AND SHIFT EB TRAFFIC TO POOLE RD WHILE MAINTAINING WESTBOUND CRESCENT ROAD IN THEIR EXISTING LANES.

TEMPORARILY STOP EB DETOUR TRAFFIC AT THE DETOUR AND PLACE DRUMS AND REMAINING TEMPORARY PAVEMENT MARKING (REMOVABLE TAPE) ON EB DETOUR LANE (-D2-) AS SHOWN IN DETAIL ON TCP-10, THEN OPEN TO EB TRAFFIC.

TEMPORARILY STOP WB CRESCENT ROAD TRAFFIC AT THE DETOUR AND PLACE DRUMS AND REMAINING TEMPORARY PAVEMENT MARKING (REMOVABLE TAPE) ON WB DETOUR LANE (-D1-) AS SHOWN IN DETAIL ON TCP-10, THEN SHIFT WB TRAFFIC TO DETOUR.

UNCOVER TEMPORARY SIGNAL AT US 258/POOLE ROAD INTERSECTION AND OPEN DETOUR FULLY TO TRAFFIC.

PLACE BARRICADES TO CLOSE CRESCENT ROAD AT THE US 258 INTERSECTION AND USING ROADWAY STANDARD DRAWING 1101.02 (SHEET 3 OF 9) AND FLAGGERS, REMOVE THE SIGNAL AND CONFLICTING PAVEMENT MARKINGS AT THE CRESCENT ROAD/US 258 INTERSECTION.

STEP 3) BEGIN CONSTRUCTION OF CRESCENT ROAD (-L-) UP TO, BUT NOT INCLUDING THE FINAL LAYER OF SURFACE COURSE, AND BRIDGE, USING ROADWAY STANDARD DRAWING 1101.03 (SHEET 8 OF 9) FOR TEMPORARY ROAD CLOSURES ON US 258, ACCORDING TO THE FOLLOWING STATIONS (SEE DETAIL ON TCP-11):

- L- STA 247+44+/- TO STA 263+00.00

STEP 4) USING ROADWAY STANDARD DRAWING 1101.03 (SHEET 1 OF 9), INSTALL ADVANCED ROAD CLOSURE SIGNS ON SR 1554 DALY WALTHROP ROAD AND CLOSE ROAD. CONTINUE CONSTRUCTION OF CRESCENT ROAD (L) AND SERVICE ROADS 3 AND 4, ACCORDING TO THE FOLLOWING STATIONS (SEE DETAILS ON TCP-12 THRU TCP-14):

- L- STA 173+00+/- TO STA 177+50+/- RT
- L- STA 177+50+/- TO STA 180+00+/-
- L- STA 180+00+/- TO STA 185+00+/- LT
- SVRD3- STA 15+00+/- TO STA 21+00+/-
- SVRD4- STA 11+50+/- TO STA 17+50

STEP 5) USING FLAGGERS, CLOSE ENTERPRISE BLVD JUST SOUTH OF LANDMARK DRIVE, PLACE BARRICADES, AND SHIFT TRAFFIC ONTO LANDMARK DRIVE.

CONTINUE CONSTRUCTION OF -Y1- AND -Y1RPA- ACCORDING TO THE FOLLOWING STATIONS SEE DETAIL ON TCP-15):

- Y1- STA 84+00+/- TO STA 87+00+/-
- Y1RPA- STA 15+02+/- TO STA 16+04+/-

\$\$\$\$\$SYTIME\$\$\$\$\$
\$\$\$\$\$DON\$\$\$\$\$
\$\$\$\$\$USERNAME\$\$\$\$\$

APPROVED: _____ DATE: _____	PROJECT PHASING								
	SCALE: NONE								
	DATE: 02/2009								
	DWG. BY: LHM								
	DESIGN BY: JAK								
REVIEWED BY: MDL	<table border="1"> <thead> <tr> <th colspan="2">REVISIONS</th> </tr> </thead> <tbody> <tr> <td> </td> <td> </td> </tr> <tr> <td> </td> <td> </td> </tr> <tr> <td> </td> <td> </td> </tr> </tbody> </table>	REVISIONS							
REVISIONS									

PROJ. REFERENCE NO.	SHEET NO.
R-2719A	TCP-04

PHASE III

STEP 1) WORKING AWAY FROM TRAFFIC OR USING ROADWAY STANDARD DRAWINGS 1101.02 (SHEETS 1 AND 3 OF 9) AND FLAGGERS, COMPLETE CONSTRUCTION OF -L-, -Y24-, AND -Y24- RAMPS AND LOOPS, AND SERVICE ROADS AND PLACE THE FINAL LAYER OF SURFACE COURSE AND USING STANDARD DRAWINGS 1205.01, 1205.02, 1205.03, 1205.04, 1205.05, 1205.06, 1205.08, 1205.12, 1250.01, 1251.01. PLACE FINAL PAVEMENT MARKINGS (THERMOPLASTIC) AND MARKERS (SNOWPLOWABLE) ACCORDING TO THE FOLLOWING STATIONS (SEE PM-01 THRU PM-04):

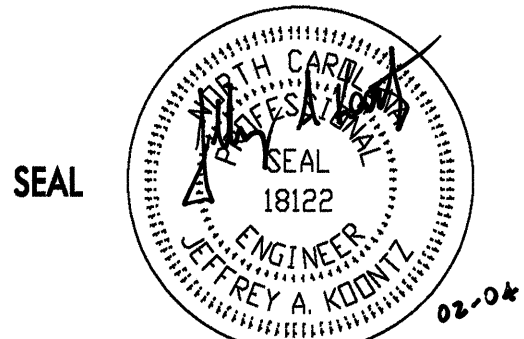
- L- STA 246+71+/- TO STA 263+00+/-
- Y24- STA 22+00.00 TO STA 54+50+/-
- Y24LPB- STA 0+00.00 TO STA 11+17+/-
- Y24LPC- STA 0+00.00 TO STA 11+88+/-
- Y24RPB- STA 15+65.23 TO STA 19+19+/- (NO PAVEMENT MARKING)
- Y24RPC- STA 17+66.91 TO STA 21+35+/- (NO PAVEMENT MARKING)
- SVRD1- STA 10+50+/- TO STA 22+00+/-
- SVRD2- STA 10+49+/- TO STA 14+40+/-
- SVRD3- STA 15+00+/- TO STA 39+88+/-
- SVRD4- STA 11+50+/- TO STA 19+17+/-
- SVRD5- STA 10+12+/- TO STA 27+89+/-

AND PLACE BARRICADES TO CLOSE -Y24- RAMPS AND DRUMS TO CLOSE TURN LANES ON US 258 (-Y24-) AS SHOWN ON PAVEMENT MARKING PLANS AND OPEN SERVICES ROADS FULLY TO TRAFFIC.

STEP 2) USING ROADWAY STANDARD DRAWING 1101.02 (SHEET 3 OF 9) AND FLAGGERS, REMOVE CONFLICTING PAVEMENT MARKINGS FROM THE DETOUR (-D1- AND -D2-), OPEN -Y24- LOOPS AND SHIFT TRAFFIC BACK TO CRESCENT ROAD.

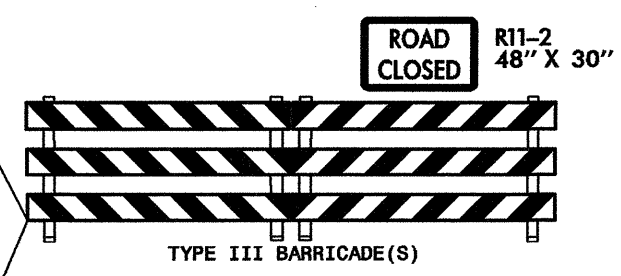
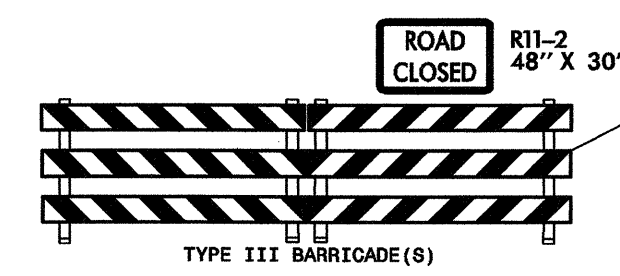
REMOVE THE DETOUR PAVEMENT BACK TO THE EXISTING CUL DE SAC ON SR 1575 POOLE ROAD (-Y6-).

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 \$\$\$DGN\$\$\$\$\$
 \$\$\$USERNAME\$\$\$\$\$

APPROVED: _____	DATE: _____	PROJECT PHASING	
			
		DATE: 02/2009	REVISIONS
DESIGN BY: JAK	REVIEWED BY: MDL		

PROJ. REFERENCE NO.	SHEET NO.
R-2719A	TCP-05

MATCHLINE - L - STA 126+00
SEE SHEET TCP-06

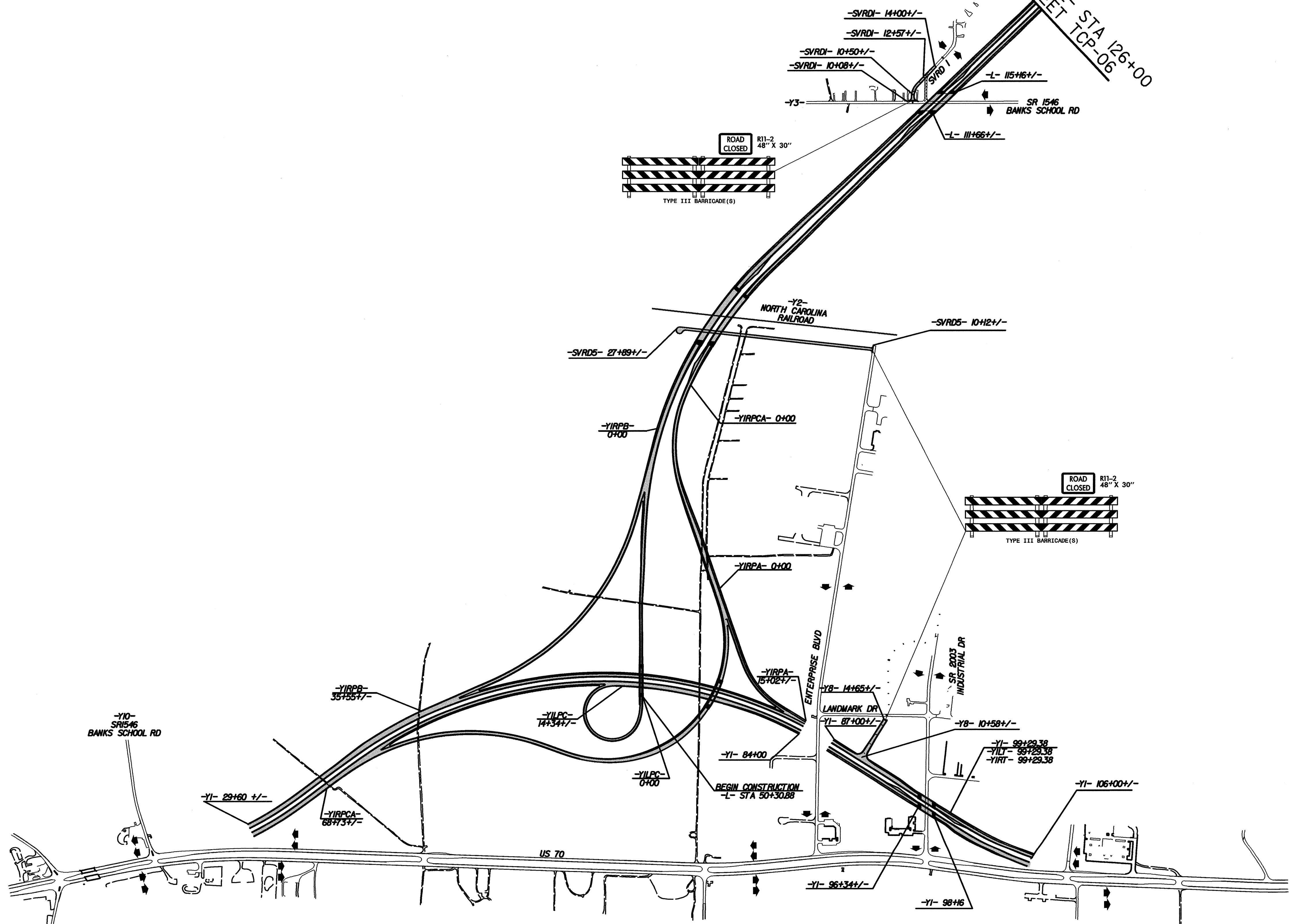
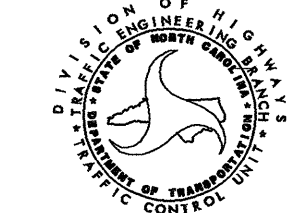


PROPOSED CONSTRUCTION

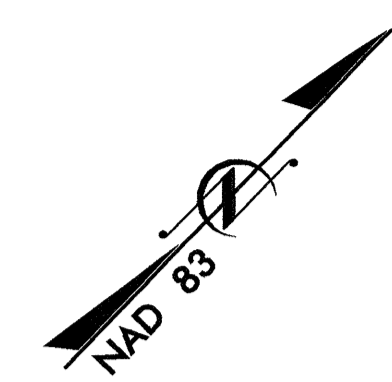
APPROVED:	DATE:
	SCALE: NONE
	DATE: 02/2009
	DWG. BY: LHM
	DESIGN BY: JAK
	REVIEWED BY: MDL

PHASE I OVERVIEW

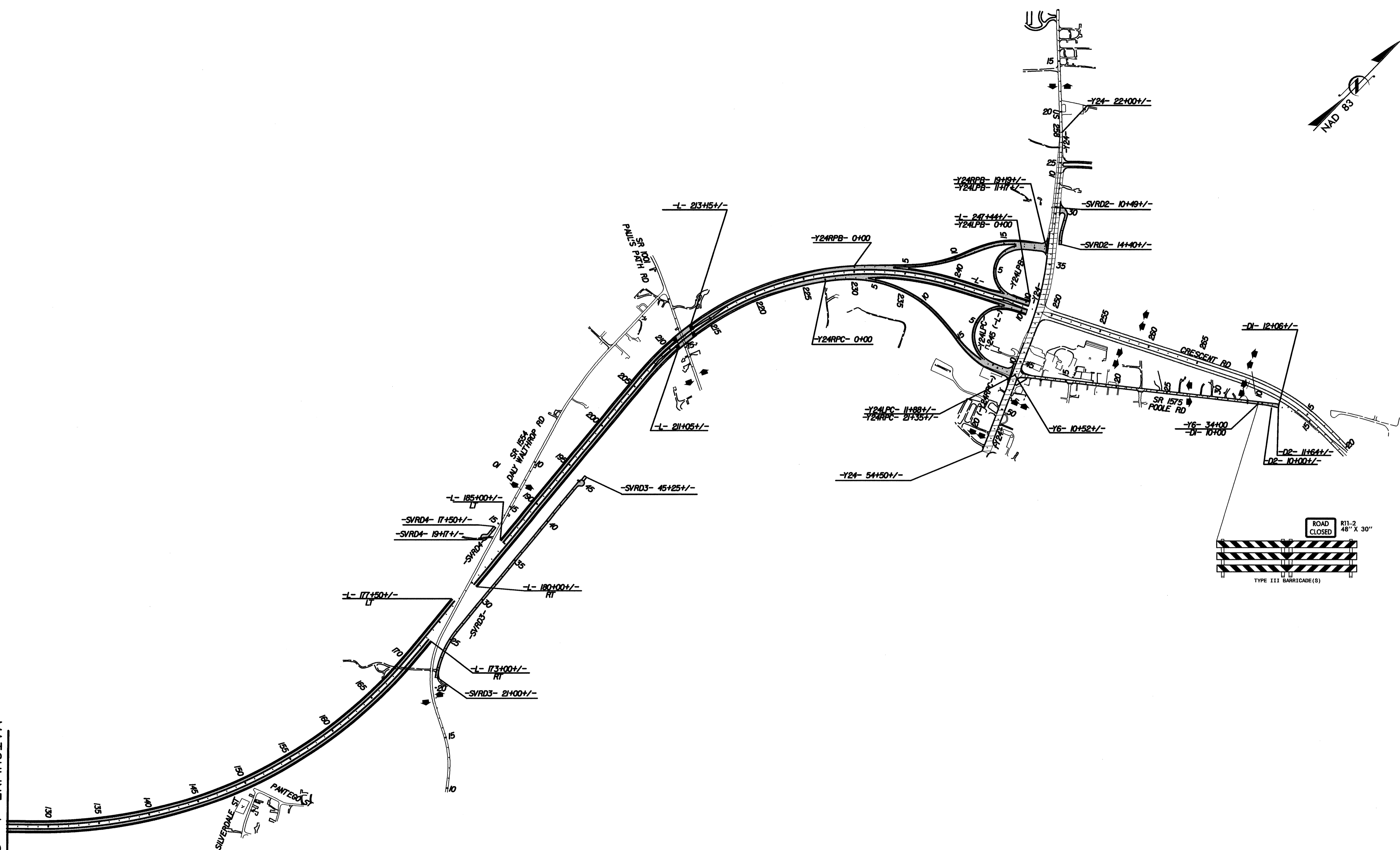
REVISIONS	



\$\$\$\$\$ SYSTEMS TIME\$\$\$\$\$
\$\$\$\$\$ DATE\$\$\$\$\$
\$\$\$\$\$ USER NAME\$\$\$\$\$

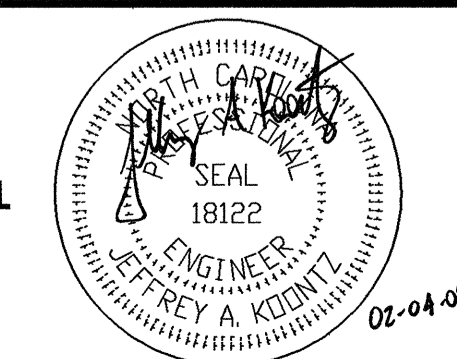
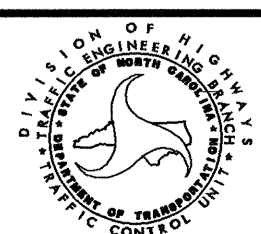


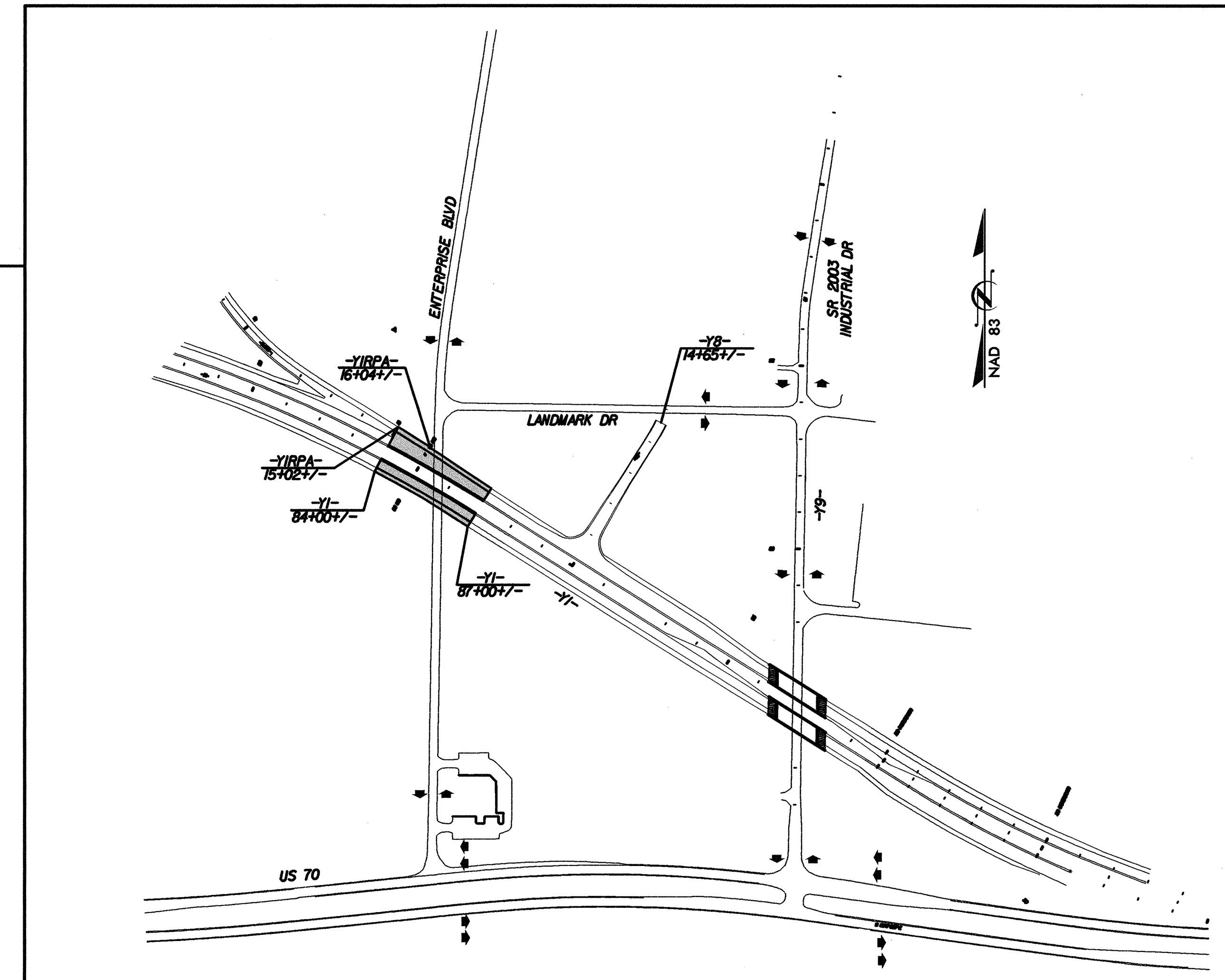
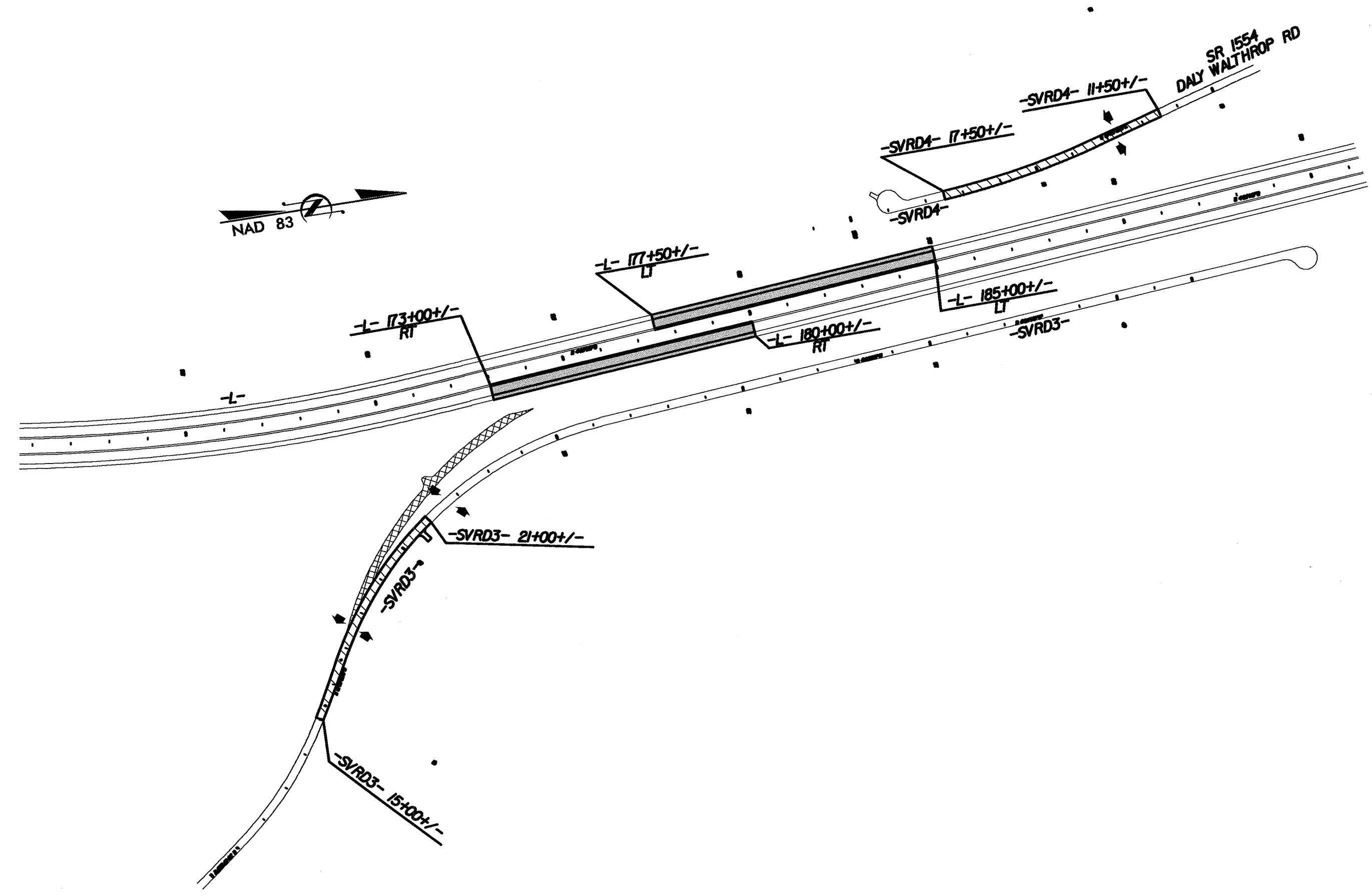
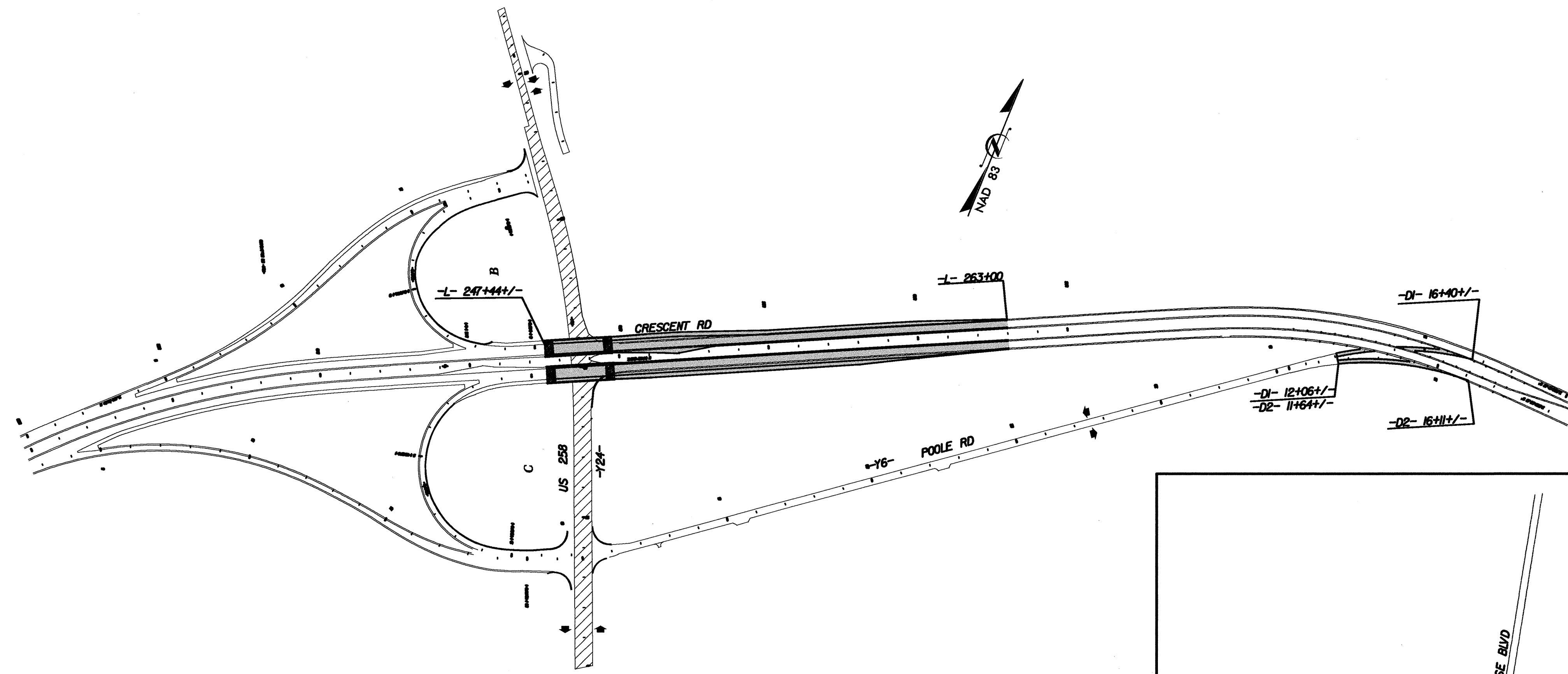
MATCHLINE -L- STA 126+00
SEE SHEET TCP-05



\$\$\$\$\$ SYSTEMS\$\$\$\$\$
\$\$\$\$\$ DRAWING NO. 18122\$\$\$\$\$
\$\$\$\$\$ USER NAME\$\$\$\$\$

- PROPOSED CONSTRUCTION
- PROPOSED WEDGING AND WIDENING

APPROVED: _____ DATE: _____ 	<h2 style="margin: 0;">PHASE I OVERVIEW</h2>	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <th colspan="2" style="text-align: left;">REVISIONS</th> </tr> <tr> <td style="width: 50%;"> </td> <td style="width: 50%;"> </td> </tr> <tr> <td> </td> <td> </td> </tr> <tr> <td> </td> <td> </td> </tr> </table>	REVISIONS							
REVISIONS										
SCALE: NONE DATE: 02/2009 DWG. BY: LHM DESIGN BY: JAK REVIEWED BY: MDL										



- ON GOING CONSTRUCTION
- PROPOSED CONSTRUCTION
- PROPOSED WEDDING AND WIDENING

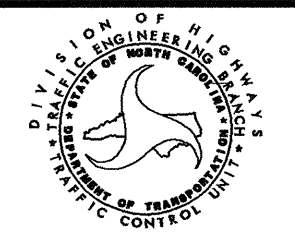
APPROVED: _____ DATE: _____

SEAL

02/04/09

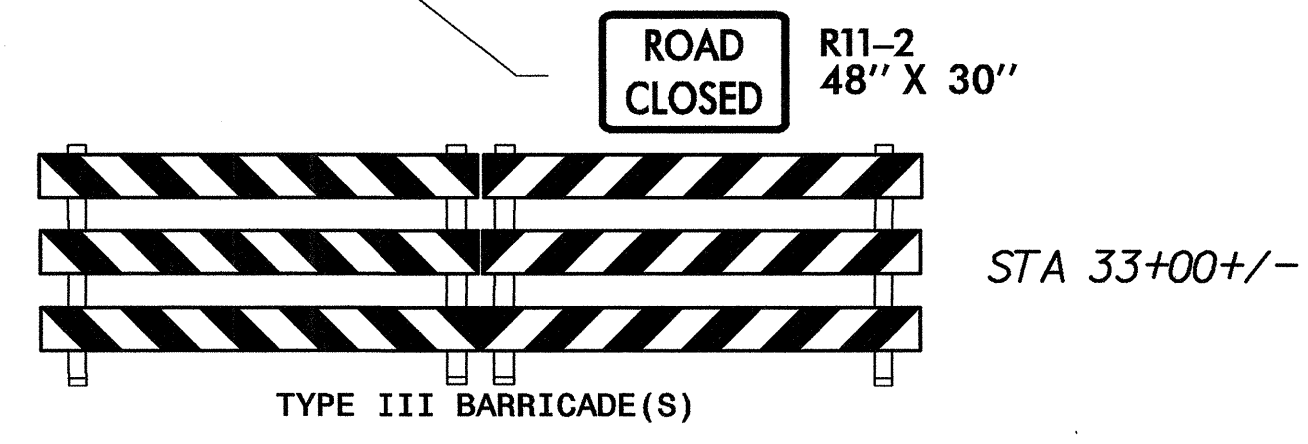
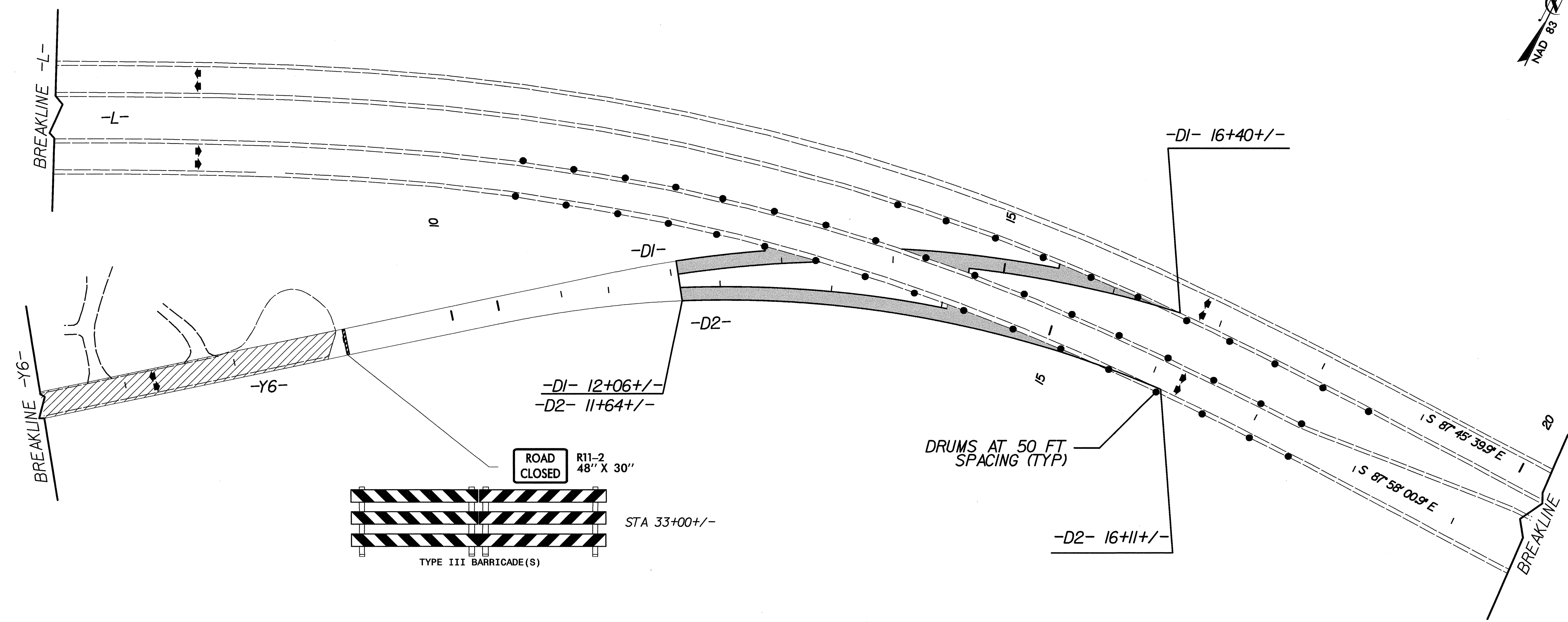
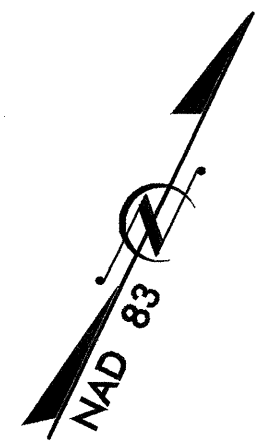
PHASE II OVERVIEW

SCALE: NONE
 DATE: 02/2009
 DWG. BY: LHM
 DESIGN BY: JAK
 REVIEWED BY: MDL



REVISIONS	

\$\$\$\$\$SYSTEM\$\$\$\$\$
 \$\$\$USERNAME\$\$\$



DRUMS AT 50 FT SPACING (TYP)

- ON GOING CONSTRUCTION
- PROPOSED FULL DEPTH CONSTRUCTION
- ON GOING WEDGING AND WIDENING

APPROVED: _____ DATE: _____

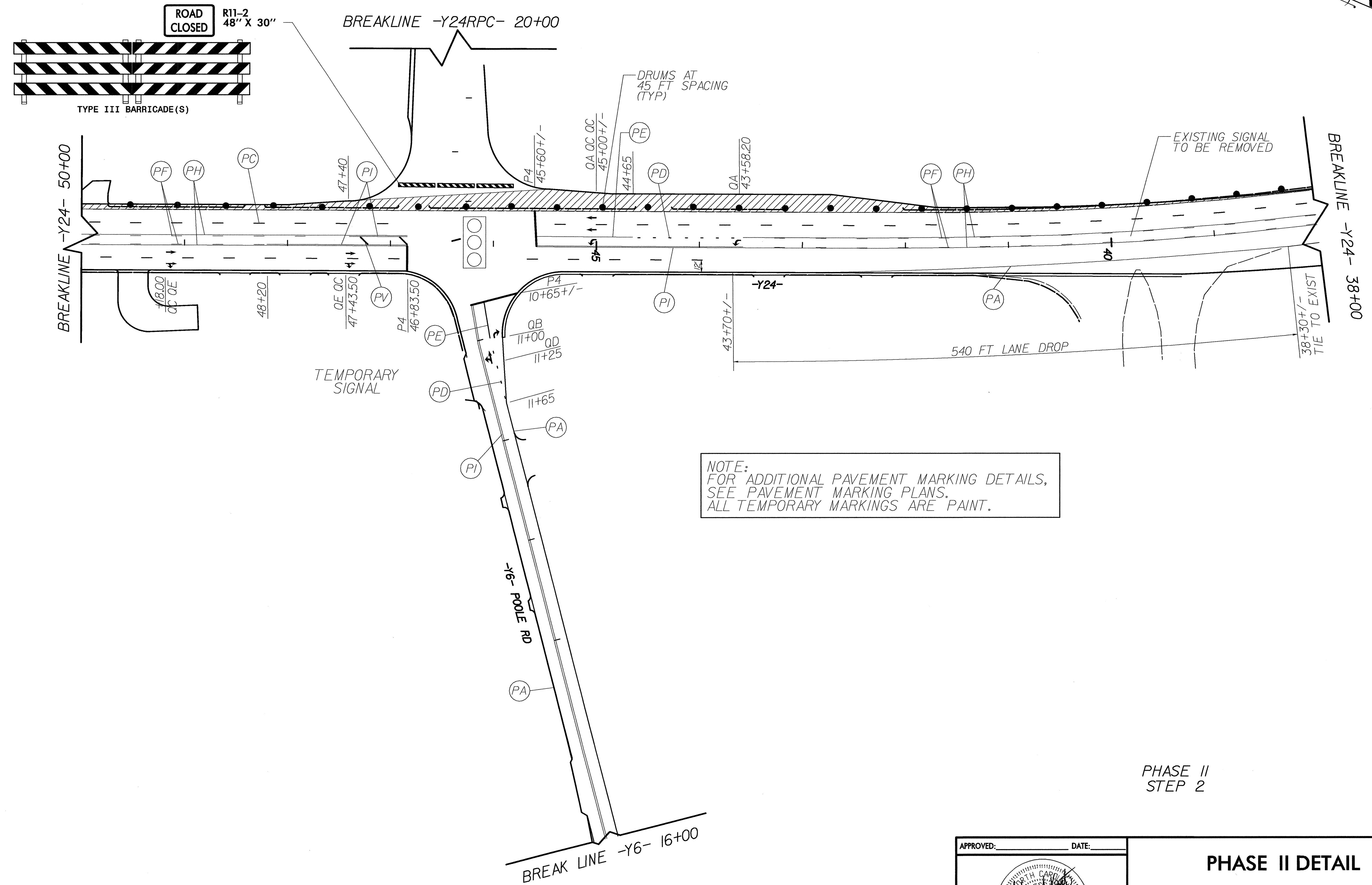
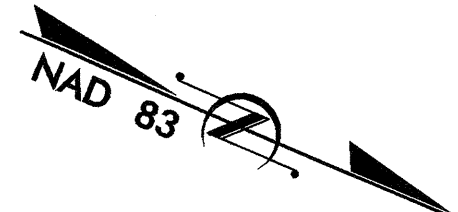
SEAL

PHASE II DETAIL

SCALE: NONE		REVISIONS
DATE: 02/2009		
DWG. BY: LHM		
DESIGN BY: JAK		
REVIEWED BY: MDL		

CADD FILE

*****SYTIME*****
 *****DCN*****
 *****SUBSERNAME*****



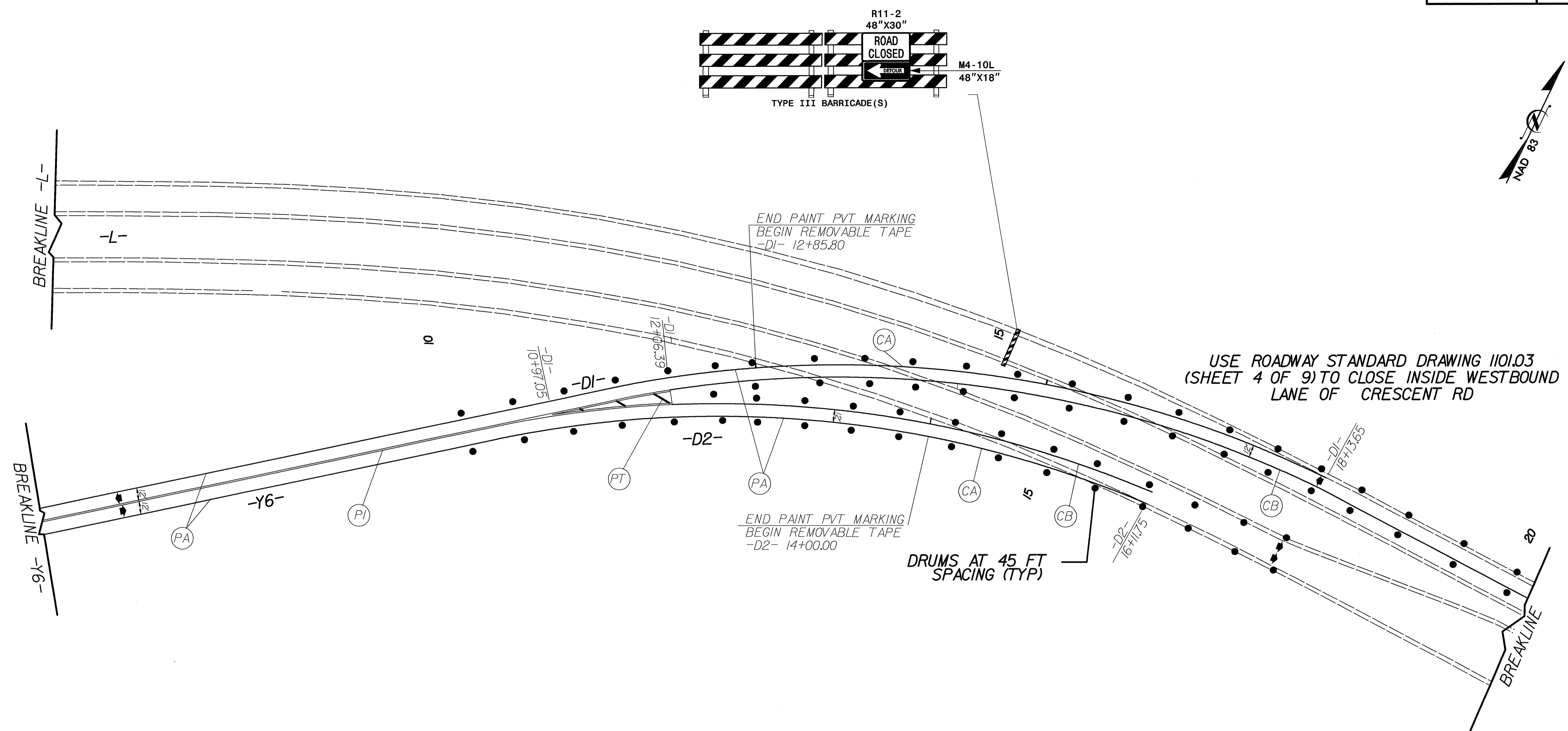
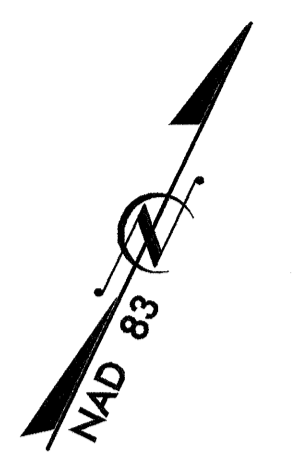
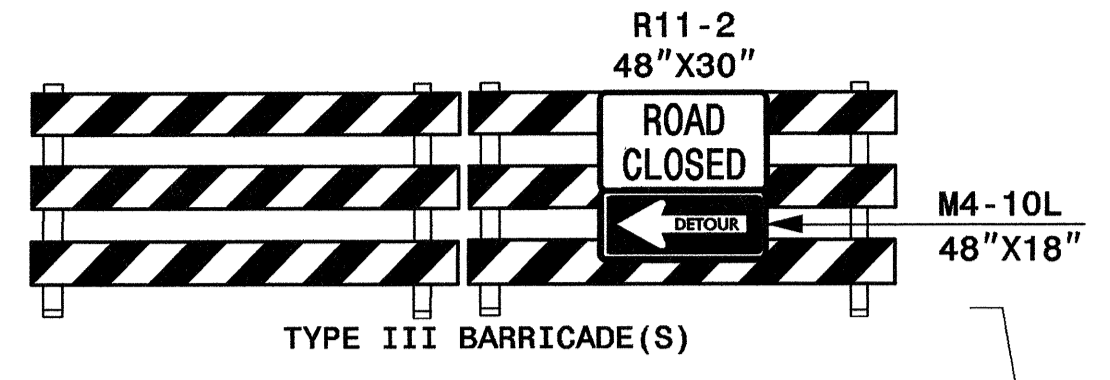
NOTE:
FOR ADDITIONAL PAVEMENT MARKING DETAILS,
SEE PAVEMENT MARKING PLANS.
ALL TEMPORARY MARKINGS ARE PAINT.

PHASE II
STEP 2

SYSTEMS
SERVICES

PROPOSED WEDGING AND WIDENING

APPROVED: _____	DATE: _____	PHASE II DETAIL	
SCALE: NONE	REVISIONS		
DATE: 02/2009			
DWG. BY: LHM			
DESIGN BY: JAK			
REVIEWED BY: MDL			

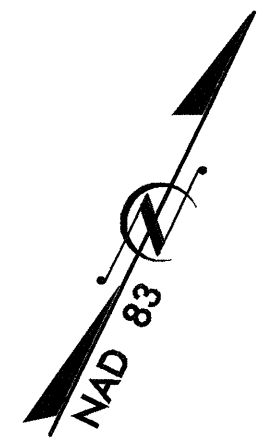
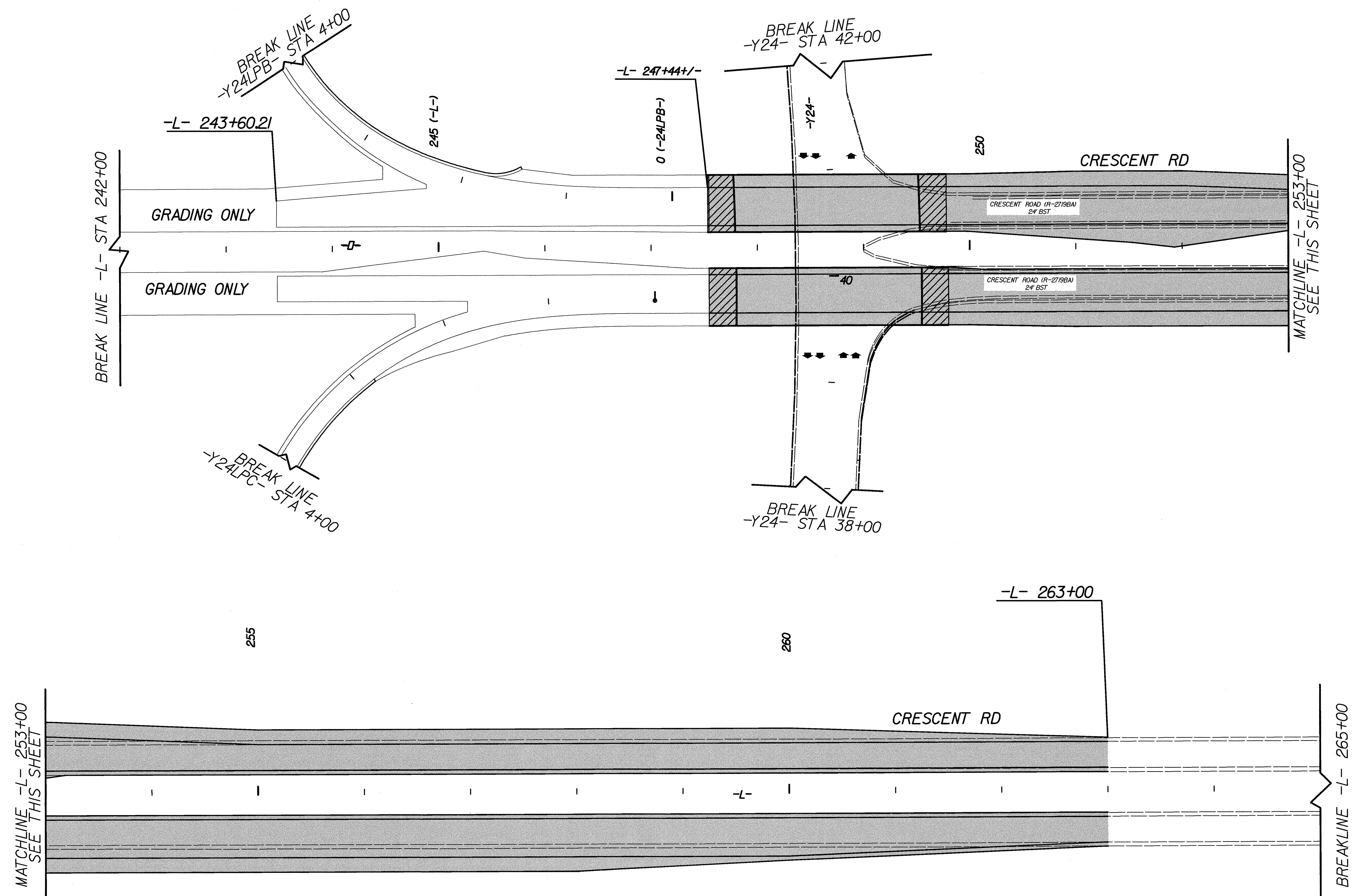


USE ROADWAY STANDARD DRAWING 1101.03 (SHEET 4 OF 9) TO CLOSE INSIDE WESTBOUND LANE OF CRESCENT RD

DRUMS AT 45 FT SPACING (TYP)

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 \$\$\$USERNAME\$\$\$\$\$

APPROVED: _____	DATE: _____	PHASE II DETAIL					
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REVISIONS							
DWG. BY: LHM	DESIGN BY: JAK						
REVIEWED BY: MDL	CADD FILE						



*****SYTIME*****
 *****DGN*****
 *****SERNAME*****

□ ON GOING CONSTRUCTION
 ■ PROPOSED FULL DEPTH CONSTRUCTION

PHASE II
 STEP 3

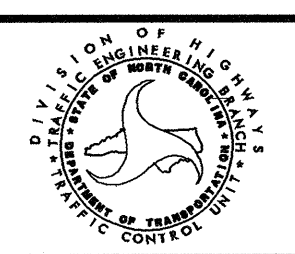
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SEAL

02-04-09

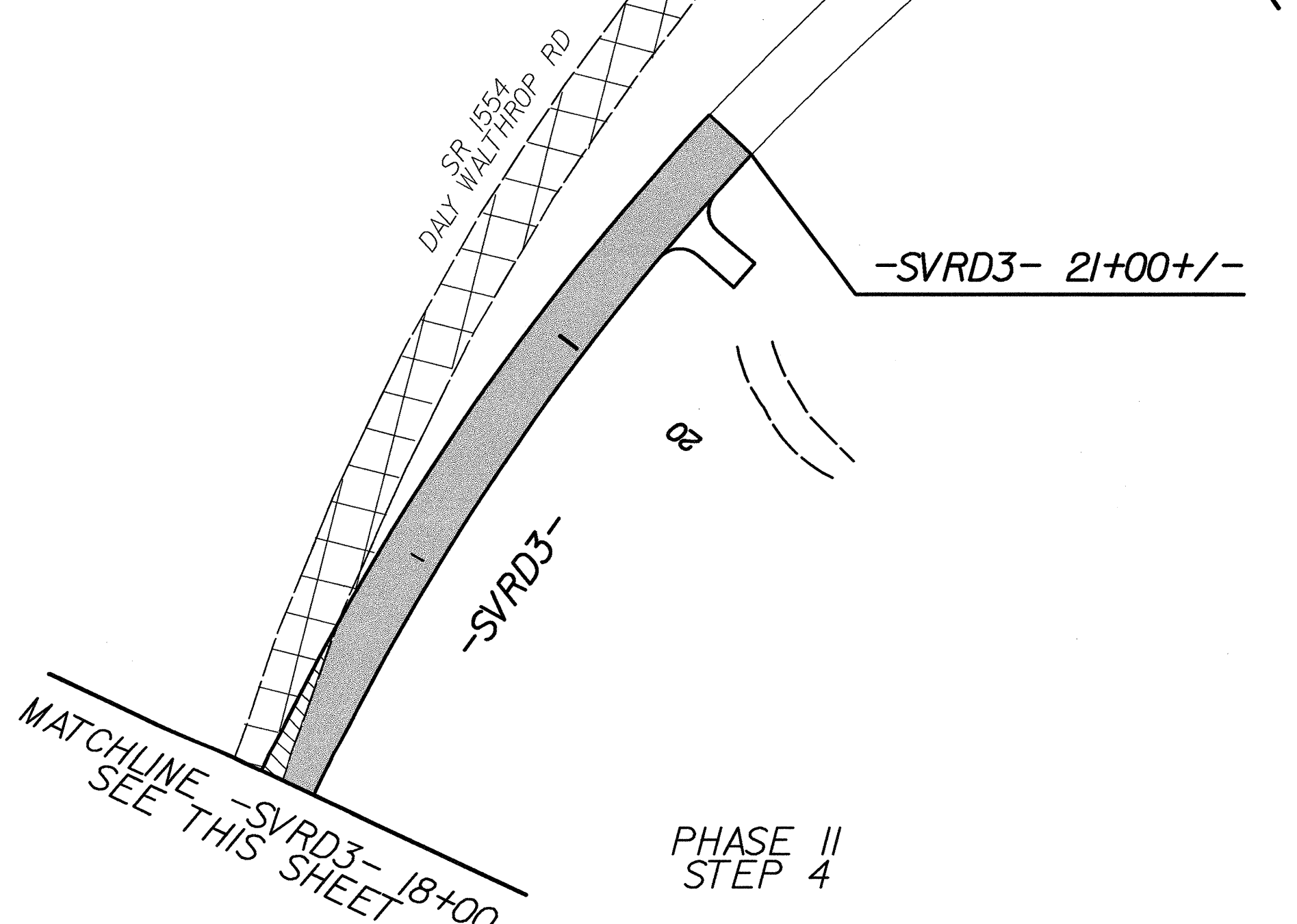
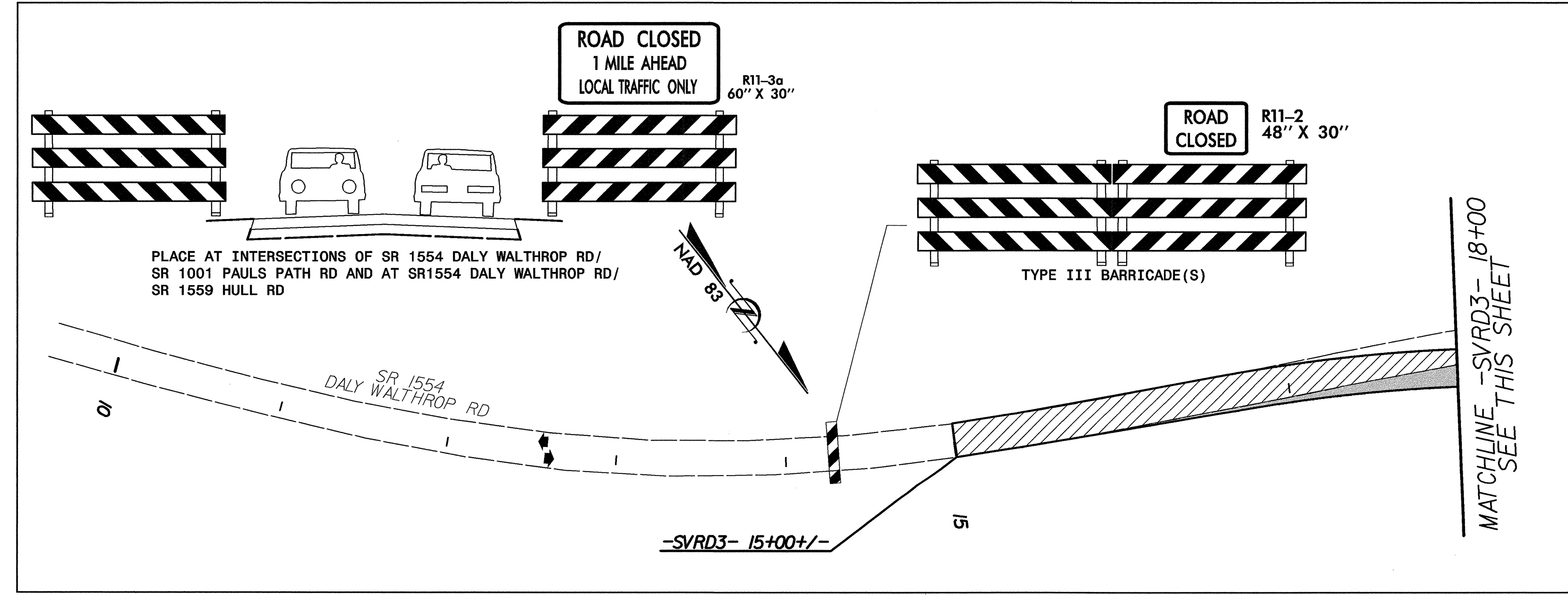
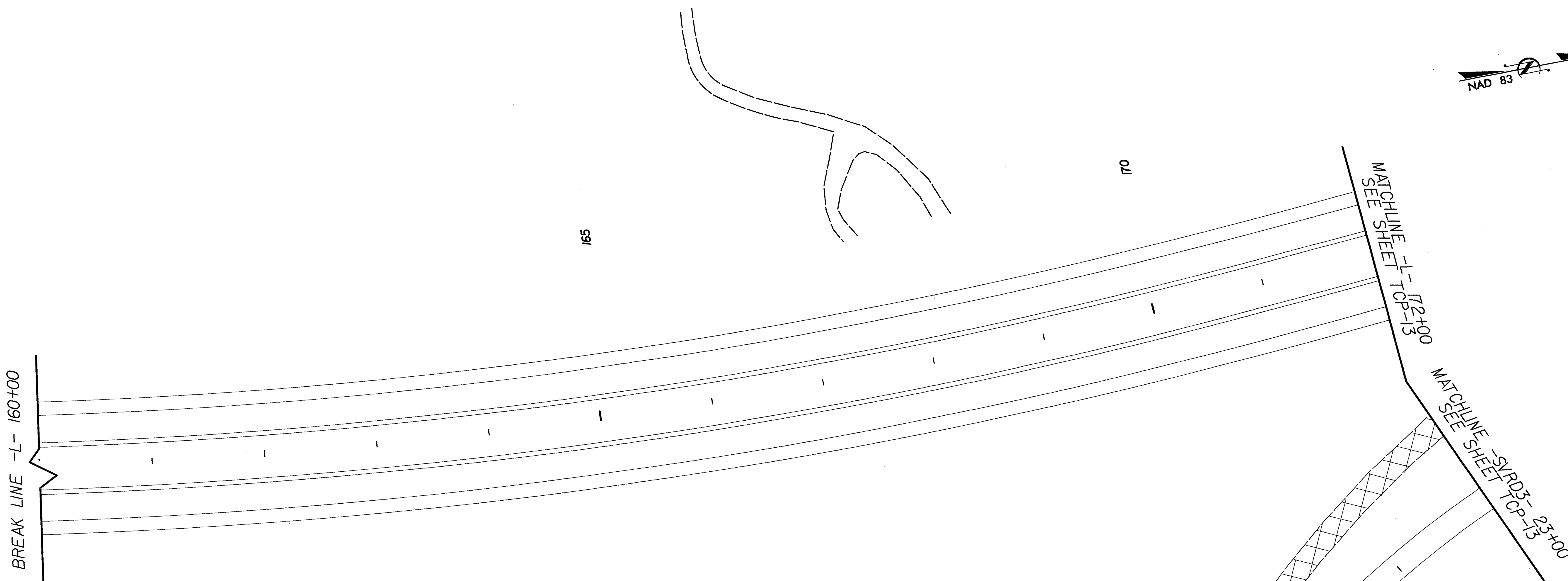
PHASE II DETAIL

SCALE: NONE
 DATE: 02/2009
 DWG. BY: LHM
 DESIGN BY: JAK
 REVIEWED BY: MDL



REVISIONS	

CADD FILE

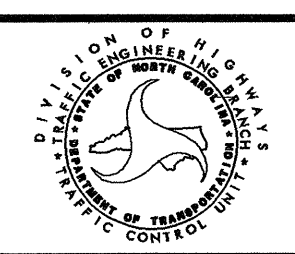


- OBLITERATE PAVEMENT
- ON GOING CONSTRUCTION
- PROPOSED FULL DEPTH CONSTRUCTION
- PROPOSED WEDGING AND WIDENING

APPROVED: _____ DATE: _____

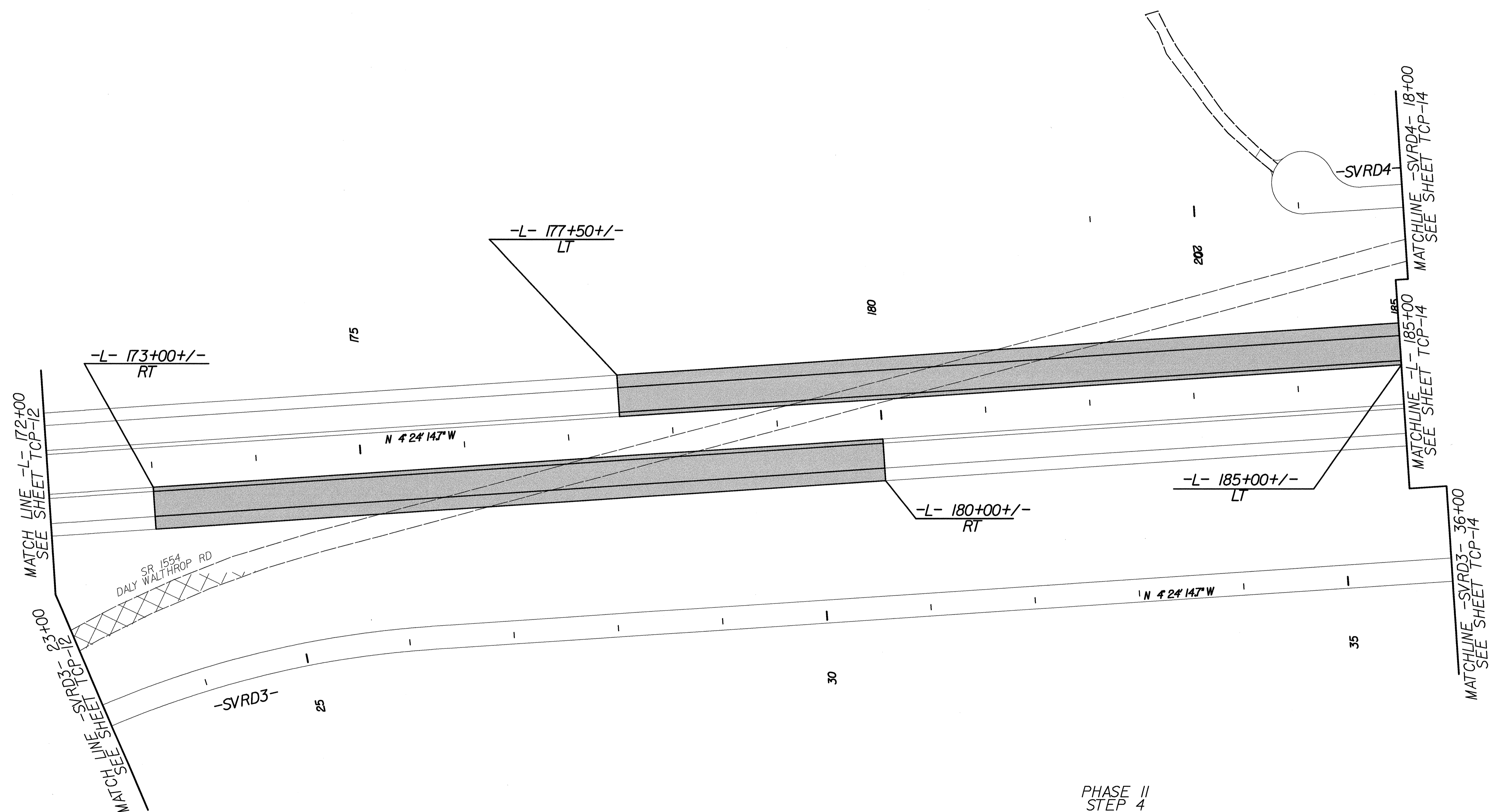
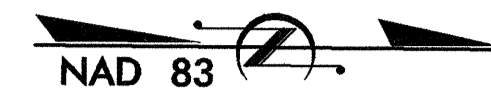
PHASE II DETAIL

SCALE: NONE
 DATE: 02/2009
 DWG. BY: LHM
 DESIGN BY: JAK
 REVIEWED BY: MDL



REVISIONS	

\$\$\$SYTIME\$\$\$\$\$
 \$\$\$USERNAME\$\$\$\$\$



SYSTEMS TIME: 02/02/09 10:00 AM
 USER: LHM

PHASE II
STEP 4

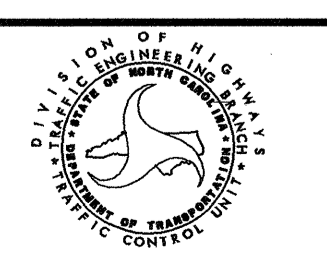
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- PROPOSED FULL DEPTH CONSTRUCTION
- PROPOSED WEDGING AND WIDENING

APPROVED: _____ DATE: _____

SEAL

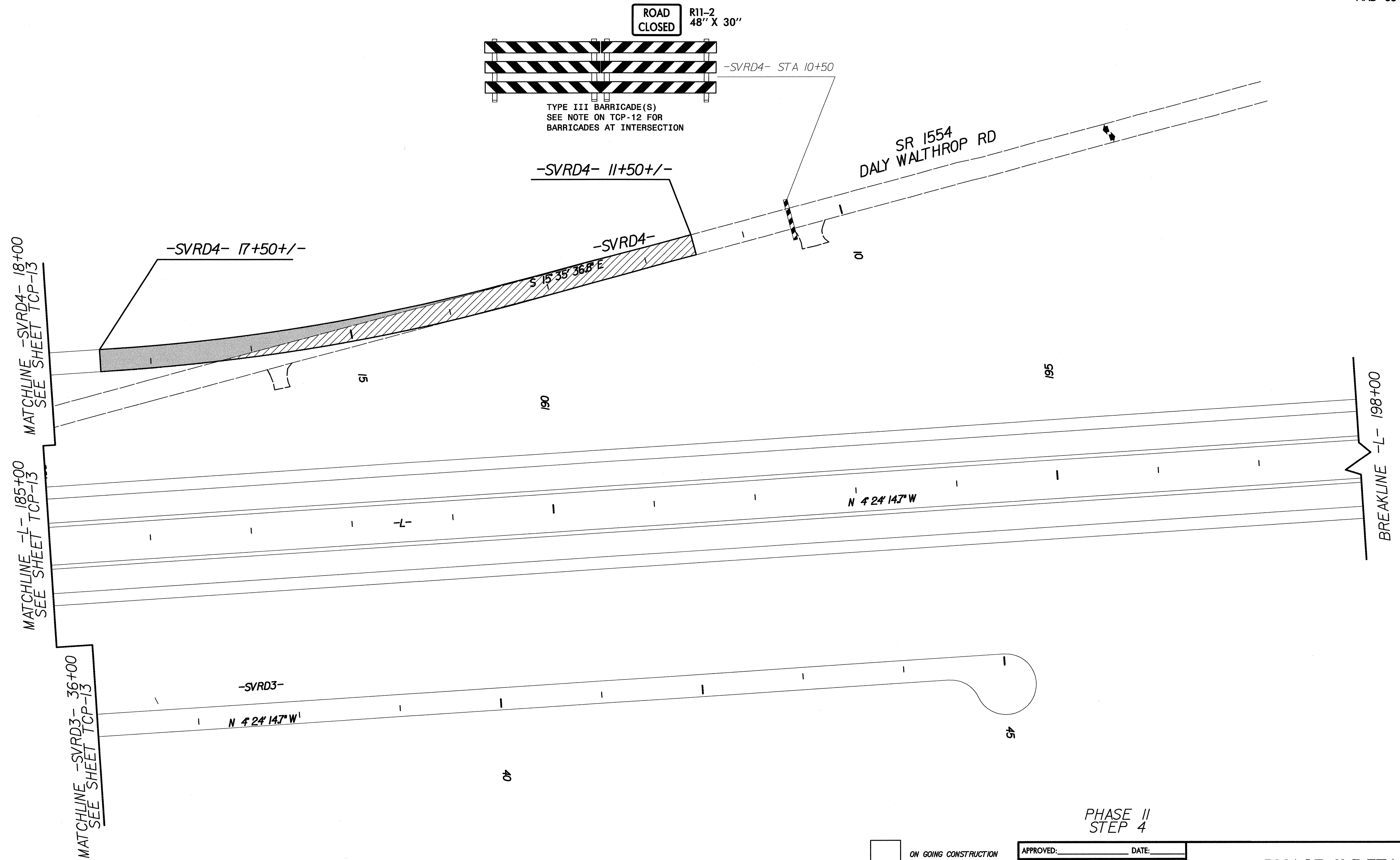
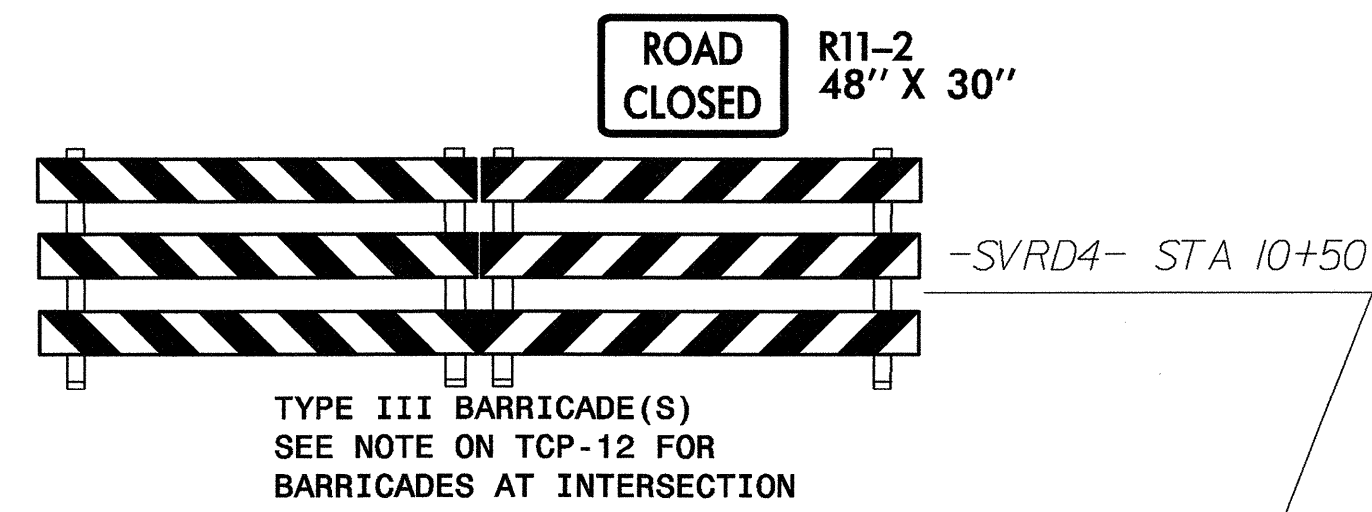
PHASE II DETAIL

SCALE: NONE
 DATE: 02/2009
 DWG. BY: LHM
 DESIGN BY: JAK
 REVIEWED BY: MDL



NO.	DESCRIPTION

CAD FILE

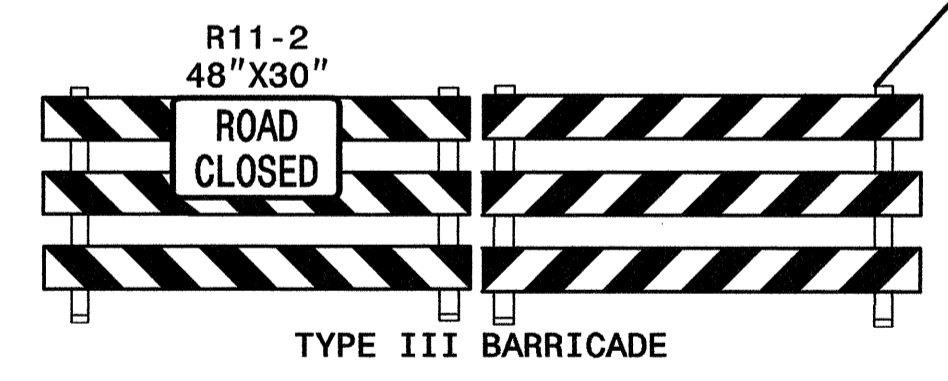
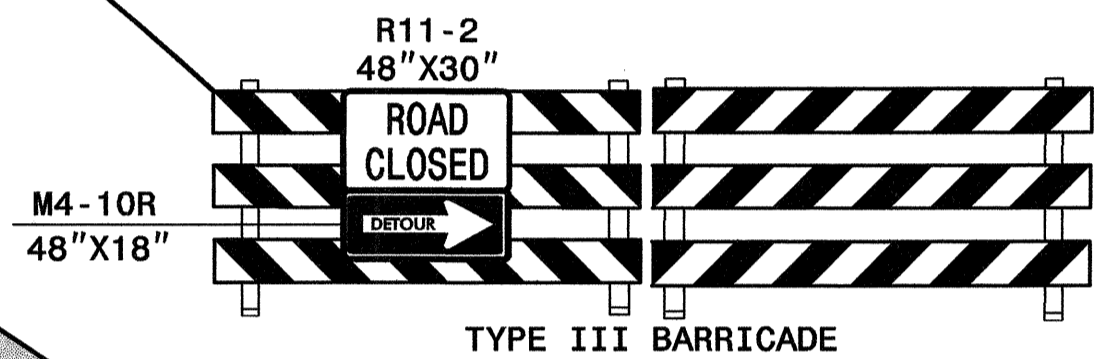
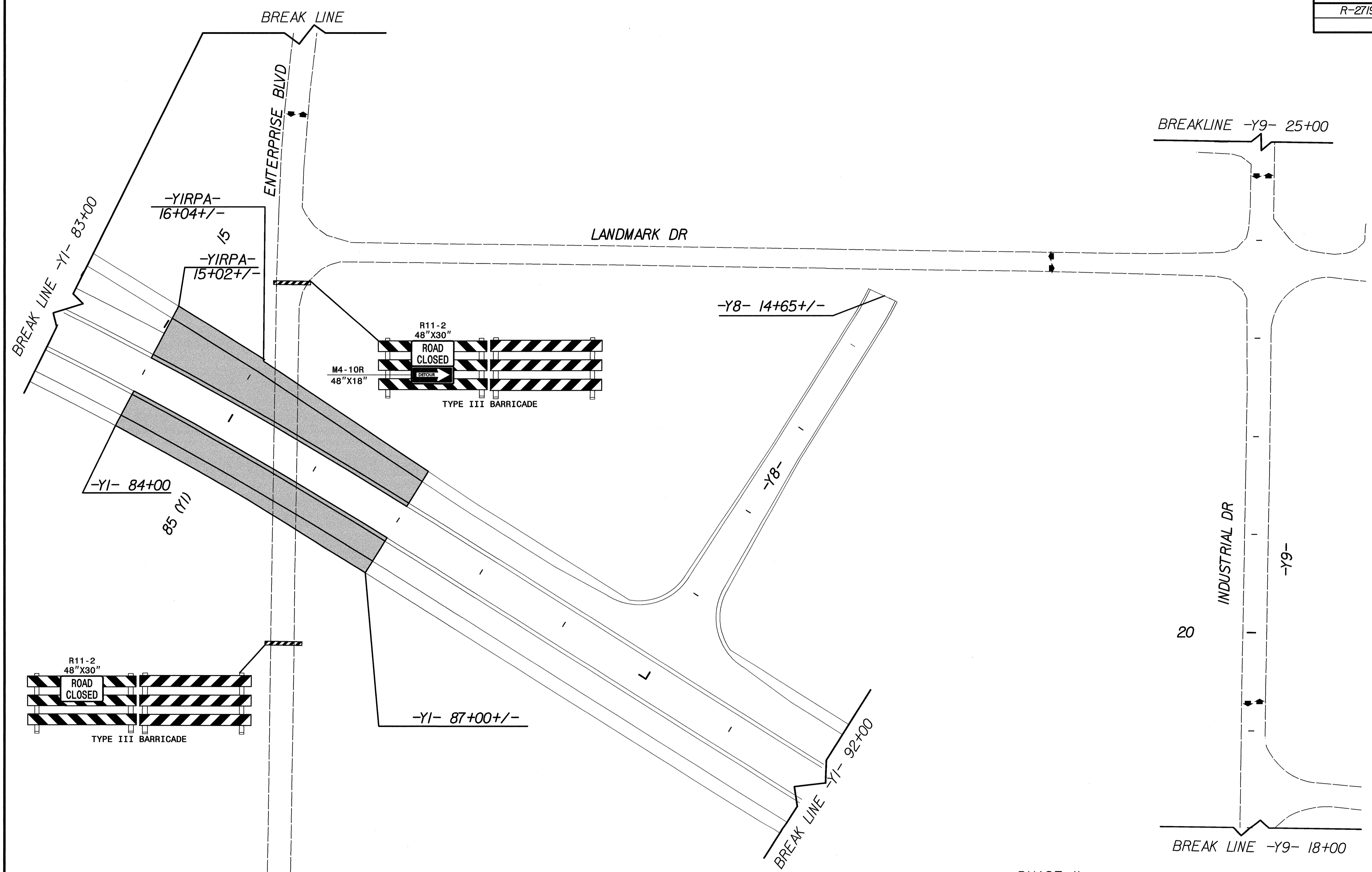


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 \$\$\$\$SUBSERNAME\$\$\$\$\$

- ON GOING CONSTRUCTION
- PROPOSED FULL DEPTH CONSTRUCTION
- PROPOSED WEDGING AND WIDENING

PHASE II
STEP 4

APPROVED: _____	DATE: _____	PHASE II DETAIL									
SCALE: NONE	DATE: 02/2009										
DWG. BY: LHM	DESIGN BY: JAK										
REVIEWED BY: MDL	CADD FILE										
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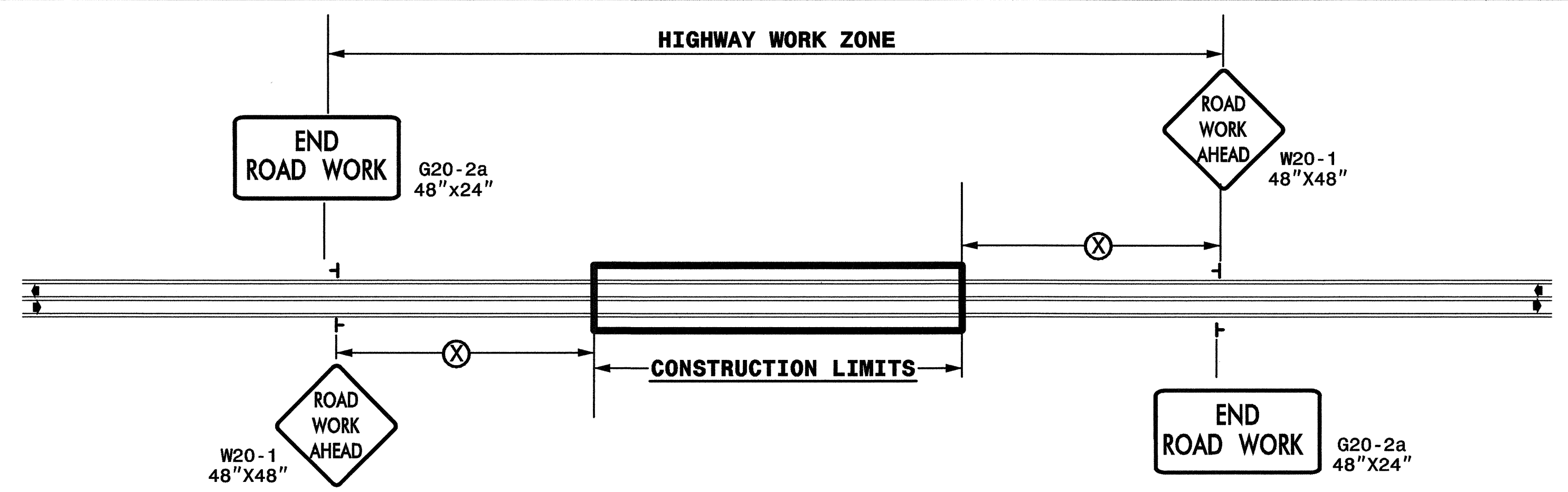
ON GOING CONSTRUCTION
 PROPOSED FULL DEPTH CONSTRUCTION

PHASE II
STEP 5

APPROVED: _____	DATE: _____	PHASE II DETAIL							
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	DATE: 02/2009								
	DWG. BY: LHM								
	DESIGN BY: JAK								
REVIEWED BY: MDL		<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 50%;">REVISIONS</th> <th style="width: 50%;"> </th> </tr> </thead> <tbody> <tr> <td> </td> <td> </td> </tr> <tr> <td> </td> <td> </td> </tr> </tbody> </table>		REVISIONS					
REVISIONS									

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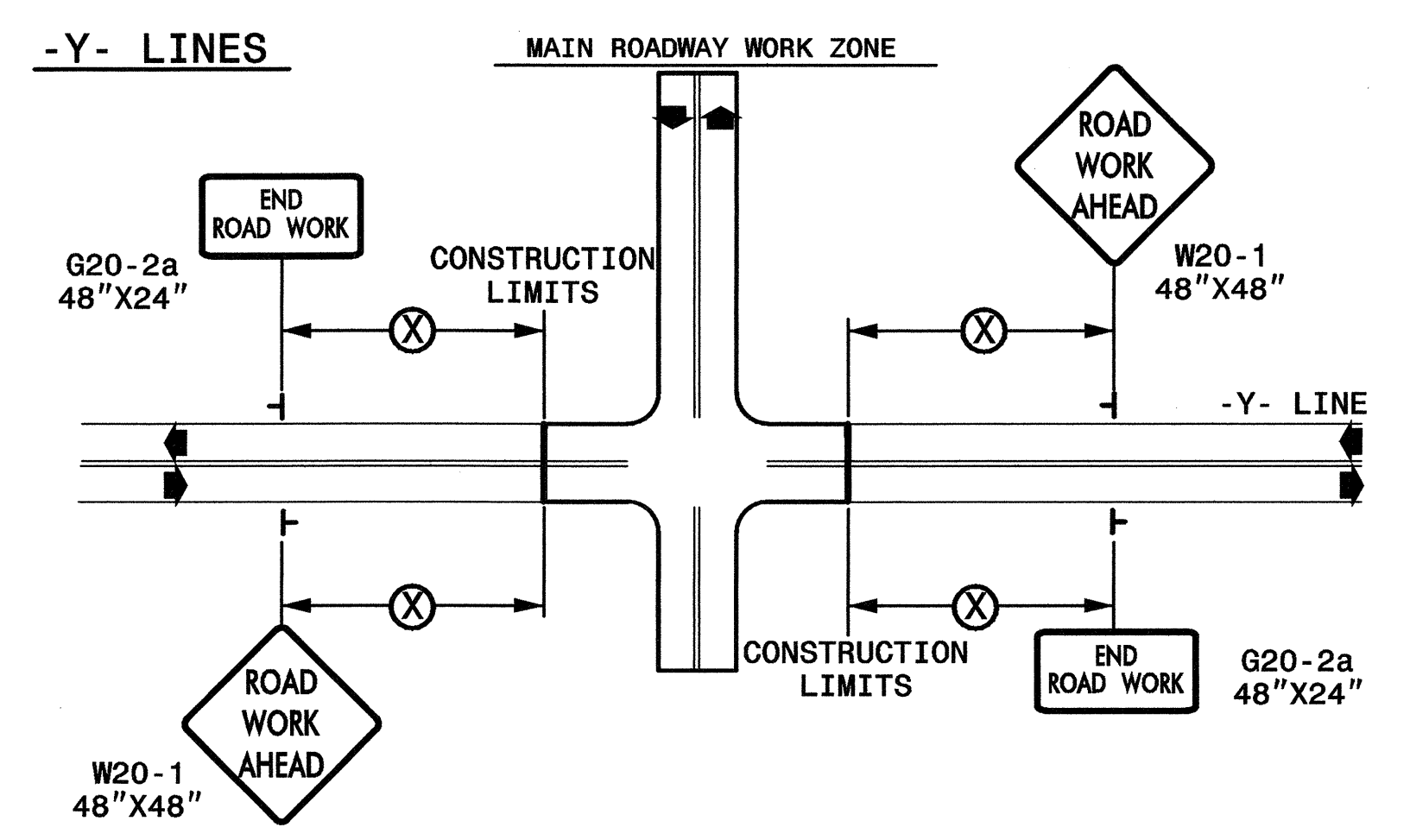
TWO-WAY UNDIVIDED ** (L-LINES)



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

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

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



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

DETAIL DRAWING FOR
TWO-WAY UNDIVIDED
WORK ZONE WARNING SIGNS

SHEET 1 OF 1

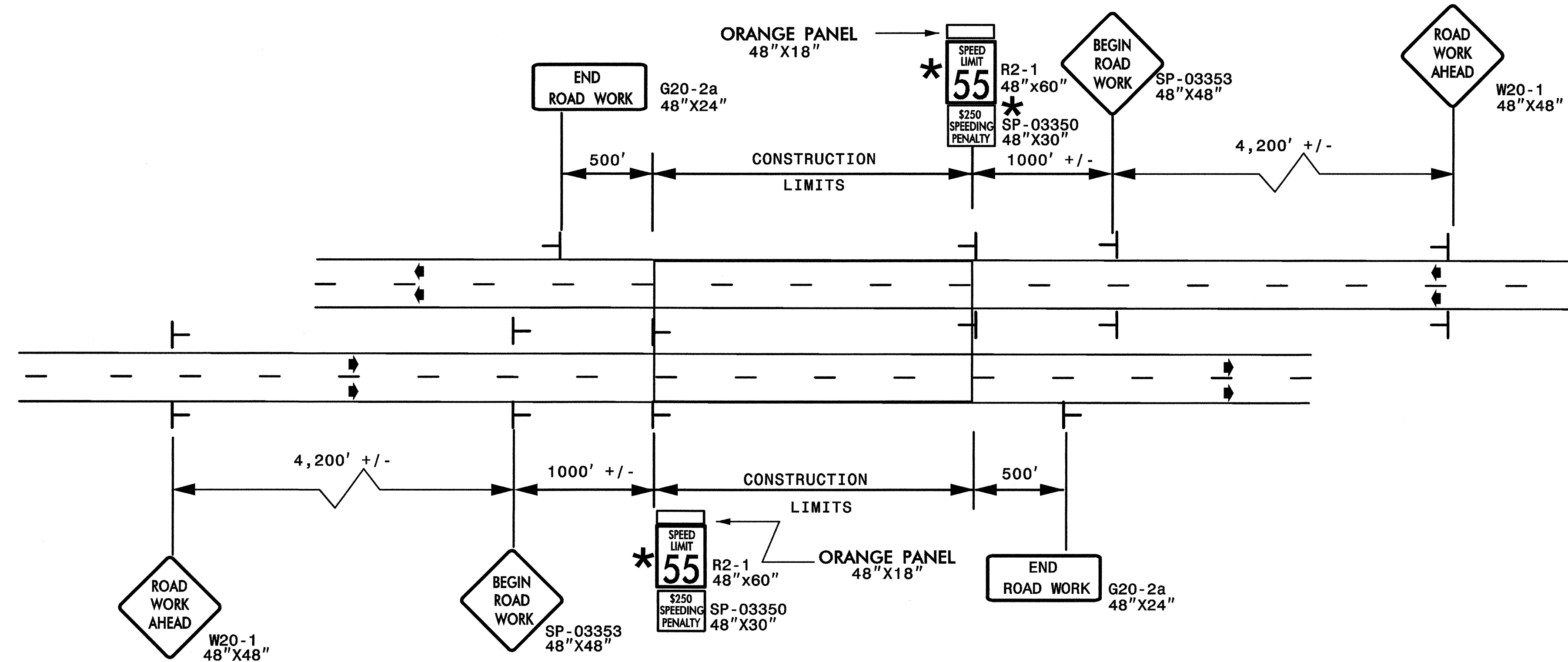
APPROVED: _____ DATE: _____	DETAIL DRAWING FOR TWO-WAY UNDIVIDED AND URBAN FREEWAYS ADVANCED WORK ZONE WARNING SIGNS	
	SCALE: NONE	REVISIONS
	DATE: 02/2009	7-98 10/01
	DESIGN BY: JAK	10-98 03/04
	REVIEWED BY: MDL	01/01 11/04

\$\$\$\$\$SYTIME\$\$\$\$\$
\$\$\$\$\$DGN\$\$\$\$\$
\$\$\$\$\$USERNAME\$\$\$\$\$

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

PROJ. REFERENCE NO.	SHEET NO.
R-2719A	TCP-17

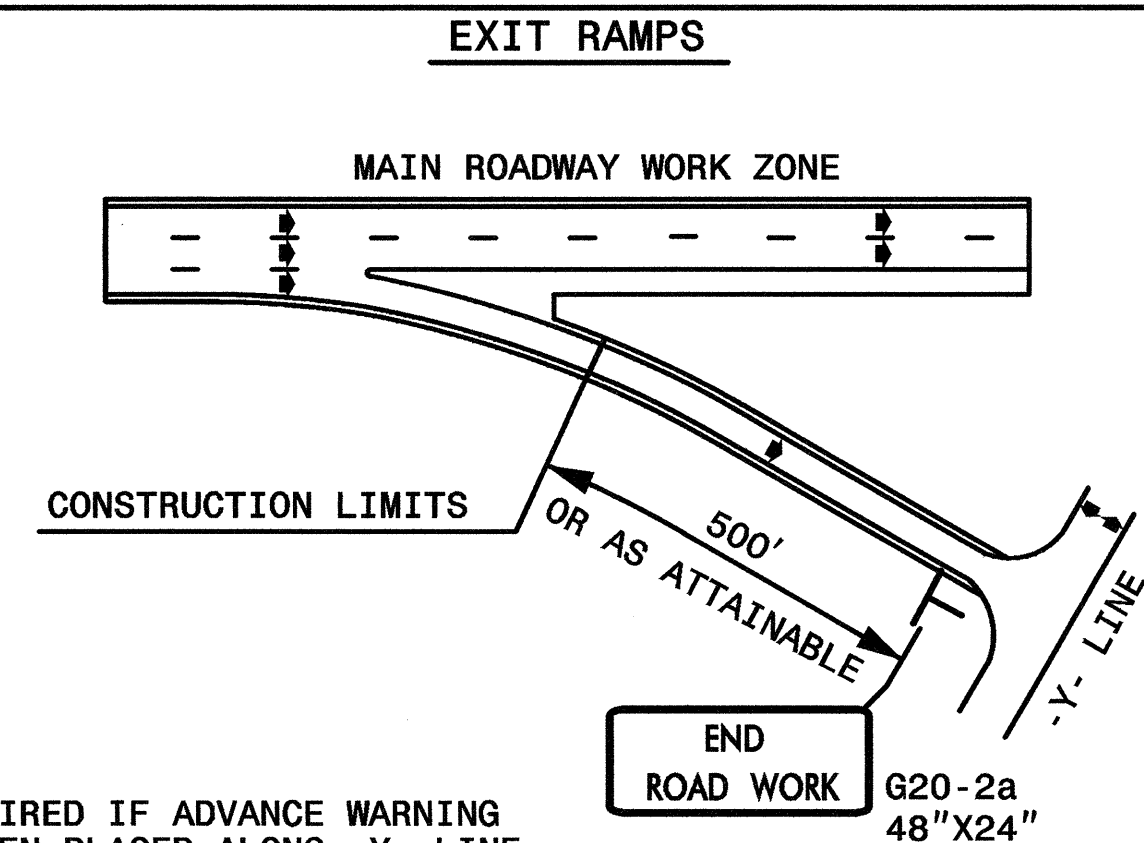
DETAIL A



LEGEND	
	STATIONARY SIGN
◆	DIRECTION OF TRAFFIC FLOW

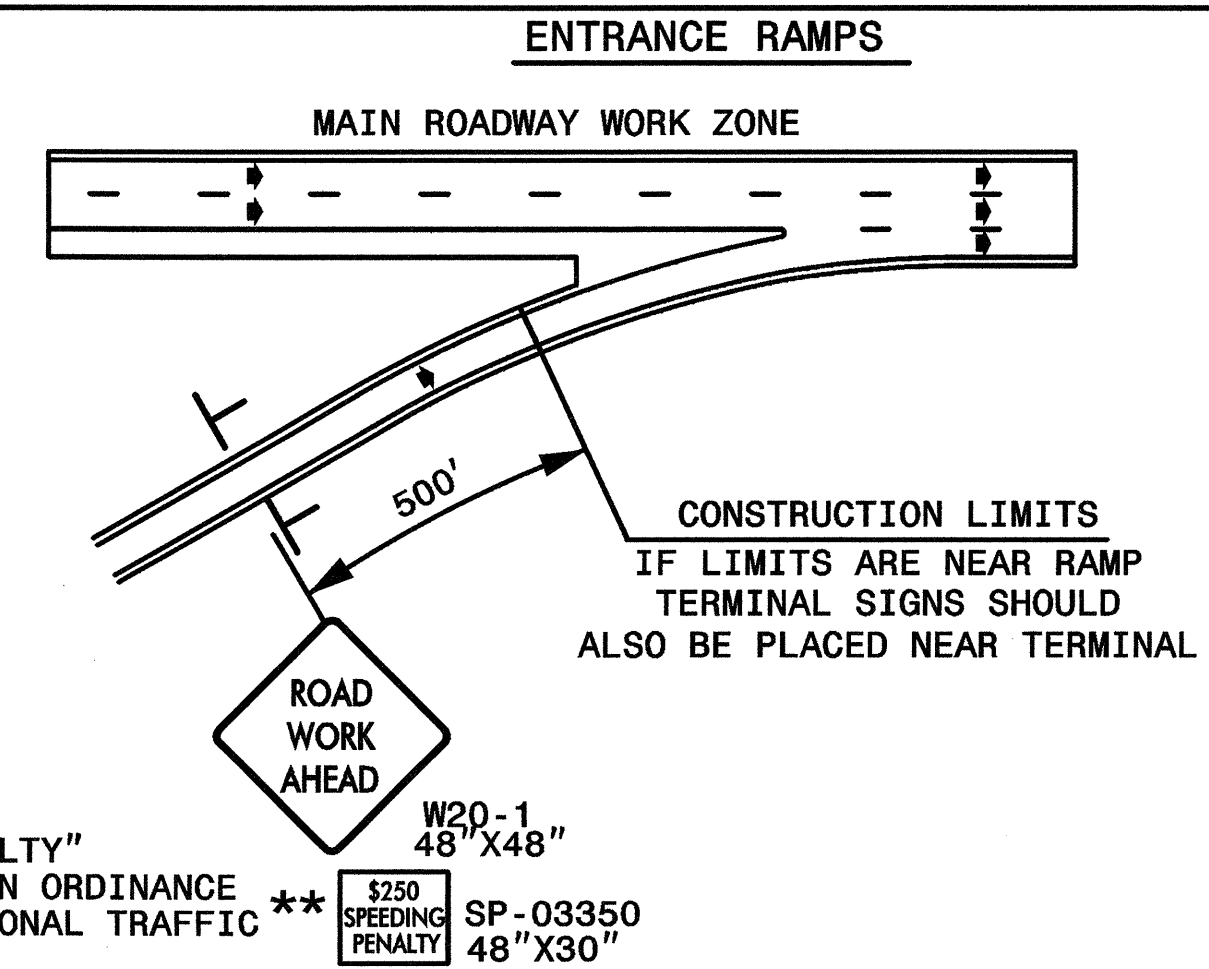
* USE THE "\$250 SPEEDING PENALTY" SIGN, SPEED LIMIT SIGN, AND ORANGE PANEL; ONLY WHEN A "\$250 SPEEDING PENALTY" ORDINANCE HAS BEEN ISSUED BY THE REGIONAL TRAFFIC ENGINEER.

DETAIL B



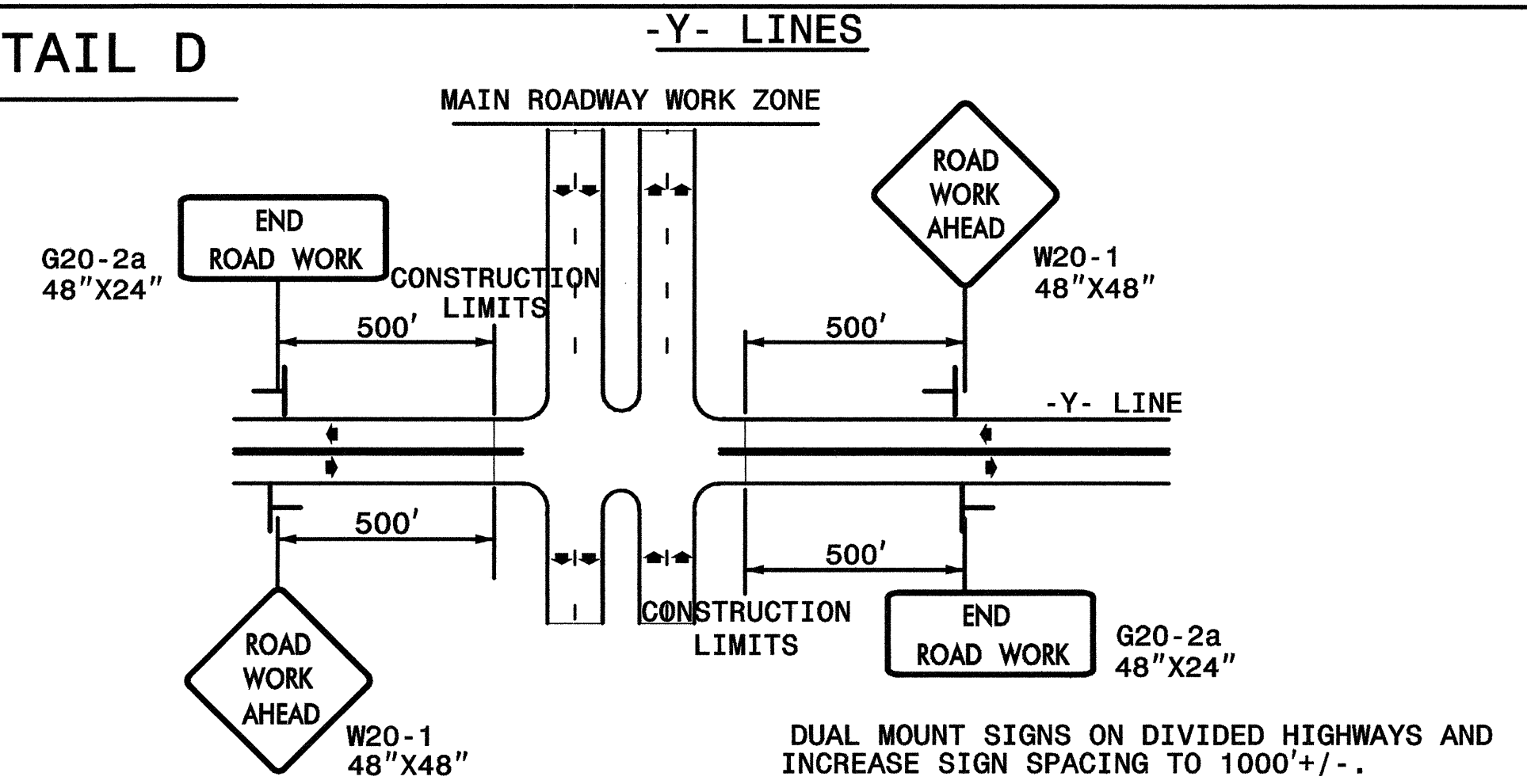
NOTE: SIGN NOT REQUIRED IF ADVANCE WARNING SIGNS HAVE BEEN PLACED ALONG -Y- LINE THAT RAMP INTERSECTS. IF CONSTRUCTION LIMITS ARE AT END OF RAMP, PLACE SIGN AT END OF RAMP.

DETAIL C



** USE THE "\$250 SPEEDING PENALTY" SUPPLEMENTAL SIGN ONLY IF AN ORDINANCE HAS BEEN ISSUED BY THE REGIONAL TRAFFIC ENGINEER.

DETAIL D



DUAL MOUNT SIGNS ON DIVIDED HIGHWAYS AND INCREASE SIGN SPACING TO 1000'+/-.

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.

\$\$\$\$\$SYTIME\$\$\$\$\$
\$\$\$\$\$DGN\$\$\$\$\$
\$\$\$\$\$SERNAME\$\$\$\$\$

APPROVED: _____ DATE: _____	ADVANCED WORK ZONE WARNING SIGNS FOR FREEWAYS (4 LANES OR GREATER)	
	SCALE: NONE	REVISIONS
	DATE: 8/03	03/04
	DWG. BY: JI	
	DESIGN BY: JI	
REVIEWED BY: _____	CADD FILE	

SP 03353

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

Letter spacings are to start of next letter

	B	E	G	I	N		Series/Size Text Length	
	22.4	5.3	4.6	5.4	2.5	3.8	22.4	C7
		R	O	A	D			C7
	23.4	5	5.2	5.6	3.8	23.4		19.6
		W	O	R	K			C7
	22.6	6.4	5.6	5.2	4	22.6		21.2

Spacing Factor is 1 unless specified otherwise

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-33.

APPROVED: _____	DATE: _____	DETAIL DRAWING FOR ADVANCED WORK ZONE WARNING SIGN DESIGNS	
	SCALE: NONE	REVISIONS	
	DATE: _____		
	DESIGN BY: _____		
	REVIEWED BY: _____		
		CADD FILE	

\$\$\$\$\$SYTIME\$\$\$\$\$
\$\$\$\$\$DOWNEY\$\$\$\$\$
\$\$\$\$\$SUBSERNAME\$\$\$\$\$