

STATE OF NORTH CAROLINA
DIVISION OF HIGHWAYS

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

STATE PROJECT REFERENCE NO.		SHEET NO.
U-3334A		TCP-1
STATE PROJ. NO.	F. A. PROJ. NO.	DESCRIPTION

PROJECT: 34929.2.4 U-3334A

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
1101.05	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	DRUM
1135.01	CONES
1145.01	BARRICADES
1150.01	FLAGGING DEVICES
1205.01	PAVEMENT MARKINGS - LINE TYPES & OFFSETS
1205.02	PAVEMENT MARKINGS - 2 LANE & MULTILANE ROADWAYS
1205.04	PAVEMENT MARKINGS - NON-SIGNALIZED & SIGNALIZED INTERSECTIONS
1205.05	PAVEMENT MARKINGS - TURN LANES
1205.06	PAVEMENT MARKINGS - THRU LANE DROPS
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)
1261.01	GUARDRAIL & BARRIER DELINEATOR SPACING
1261.02	GUARDRAIL & BARRIER DELINEATOR TYPES
1262.01	GUARDRAIL END DELINEATION
1264.01	OBJECT MARKERS
1264.02	PLACEMENT OF OBJECT MARKERS

INDEX OF SHEETS

SHEET NO.	TITLE
TCP-1	LIST OF APPLICABLE ROADWAY STANDARD DRAWINGS, LEGEND AND INDEX OF SHEETS.
TCP-2	PROJECT NOTES
TCP-3	PHASING & TEMPORARY PAVEMENT MARKING SCHEDULE
TCP-4	PROJECT OVERVIEW
TCP-5 THRU 11	PHASE I DETAILS
TCP-12	DETAIL DRAWING FOR TWO-WAY UNDIVIDED AND URBAN FREEWAYS ADVANCE WORK ZONE WARNING SIGNS
PM-1	FINAL PAVEMENT MARKING SCHEDULE
PM-2 THRU PM-7	FINAL PAVEMENT MARKING PLAN

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

PLAN REVIEWED BY: N.C.D.O.T. WORK ZONE TRAFFIC CONTROL UNIT	APPROVED: _____ DATE: _____	PLAN PREPARED FOR N.C.D.O.T. BY: SEPI ENGINEERING GROUP 1025 Wade Avenue Raleigh, NC 27605 Tel: 919-789-9877 Fax: 919-789-9591
J. STUART BOURNE, PE TRAFFIC CONTROL ENGINEER G. LAWRENCE GETTIER, PE TRAFFIC CONTROL PROJECT ENGINEER JAY W. WOOLARD, PE TRAFFIC CONTROL PROJECT DESIGN ENGINEER	SEAL	S. L. SCOTT, PE PROJECT ENGINEER R. L. WEBBER DESIGN ENGINEER

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

PROJECT NOTES

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 UNDESIRABLE 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
-Y2- (BUFFALO RD)	MON. - FRI.: 7:00 AM - 8:30 AM MON. - FRI.: 2:00 PM - 3:30 PM

LANE AND SHOULDER CLOSURE REQUIREMENTS

- B) REMOVE LANE CLOSURE DEVICES FROM THE LANE WHEN WORK IS NOT BEING PERFORMED BEHIND THE LANE CLOSURE OR WHEN A LANE CLOSURE IS NO LONGER NEEDED, OR AS DIRECTED BY THE ENGINEER.
- C) WHEN PERSONNEL AND/OR EQUIPMENT ARE WORKING WITHIN 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.
- D) WHEN PERSONNEL AND/OR EQUIPMENT ARE WORKING ON THE SHOULDER ADJACENT TO AN UNDIVIDED FACILITY AND WITHIN 5 FT OF AN OPEN TRAVEL LANE, CLOSE THE NEAREST OPEN TRAVEL LANE USING ROADWAY STANDARD DRAWING NO. 1101.02 UNLESS THE WORK AREA IS PROTECTED BY BARRIER OR GUARDRAIL.
- 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.
- E) WHEN PERSONNEL AND/OR EQUIPMENT ARE WORKING WITHIN A LANE OF TRAVEL OF AN UNDIVIDED OR DIVIDED FACILITY, CLOSE THE LANE ACCORDING TO THE TRAFFIC CONTROL PLANS, ROADWAY STANDARD DRAWINGS OR AS DIRECTED BY THE ENGINEER. CONDUCT THE WORK SO THAT ALL PERSONNEL AND/OR EQUIPMENT REMAIN WITHIN THE CLOSED TRAVEL LANE.
- F) DO NOT WORK SIMULTANEOUSLY WITHIN 15 FT ON BOTH SIDES OF AN OPEN TRAVELWAY RAMP OR LOOP WITHIN THE SAME LOCATION UNLESS PROTECTED WITH GUARDRAIL OR BARRIER.

PAVEMENT EDGE DROP OFF REQUIREMENTS

- G) 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.
- H) 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 IN ADVANCE AND A MINIMUM OF EVERY HALF MILE THROUGHOUT THE UNEVEN AREA.

TRAFFIC PATTERN ALTERATIONS

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

SIGNING

- J) 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.
- K) PROVIDE PERMANENT SIGNING.
- L) ENSURE ALL NECESSARY SIGNING IS IN PLACE PRIOR TO ALTERING ANY TRAFFIC PATTERN.
- M) 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

- N) SPACE CHANNELIZING DEVICES IN WORK AREAS NO GREATER THAN TWICE THE POSTED SPEED LIMIT (MPH), EXCEPT 10 FT ON-CENTER IN RADIUS, 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.
- O) PLACE TYPE III BARRICADES, WITH "ROAD CLOSED" SIGN R11-2 ATTACHED, OF SUFFICIENT LENGTH TO CLOSE ENTIRE ROADWAY.

PAVEMENT MARKINGS AND MARKERS

- P) INSTALL PAVEMENT MARKINGS AND PAVEMENT MARKERS ON THE FINAL SURFACE AS FOLLOWS:
- | ROAD NAME | MARKING | MARKER |
|-----------|---------------|------------------|
| ALL ROADS | THERMOPLASTIC | PERMANENT RAISED |
| STRUCTURE | Polyurea | PERMANENT RAISED |
- Q) INSTALL TEMPORARY PAVEMENT MARKINGS AND TEMPORARY PAVEMENT MARKERS ON INTERIM LAYERS OF PAVEMENT AS FOLLOWS:
- | ROAD NAME | MARKING | MARKER |
|-----------|---------|------------------|
| ALL ROADS | PAINT | TEMPORARY RAISED |
- R) 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.
- S) TIE PROPOSED PAVEMENT MARKING LINES TO EXISTING PAVEMENT MARKING LINES.
- T) REMOVE/REPLACE ANY CONFLICTING/DAMAGED PAVEMENT MARKINGS AND MARKERS BY THE END OF EACH DAY'S OPERATION.
- U) TRACE THE PROPOSED MONOLITHIC ISLAND LOCATIONS WITH PROPER COLOR PROPER COLOR PAVEMENT MARKINGS PRIOR TO INSTALLATION. PLACE DRUMS TO DELINEATE ANY PROPOSED MONOLITHIC ISLANDS BEFORE INSTALLATION

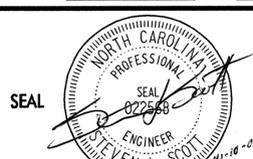
TEMPORARY / FINAL SIGNALS

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

MISCELLANEOUS

- X) POLICE MAY BE USED TO MAINTAIN TRAFFIC THROUGH THE WORK AREA AND/OR INTERSECTIONS, AS DIRECTED BY THE ENGINEER.

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

APPROVED: _____	DATE: _____	PROJECT NOTES	
		SCALE: NONE	REVISIONS
		DATE: 9/08	
1025 Wade Avenue Raleigh, NC 27605 Tel: 919-789-9977 Fax: 919-789-9591		DWG. BY: JPH	
		DESIGN BY: JPH	
		REVIEWED BY: RLW/SLS	

PHASING

PHASE I

STEP 1. INSTALL ADVANCE WORK ZONE WARNING SIGNS ON -L- LINE AND ALL -Y- LINES AS SHOWN ON SHEET TCP-12.

STEPS 2 THRU 5 MAY BE PERFORMED CONCURRENTLY

STEP 2. AWAY FROM TRAFFIC CONSTRUCT PROPOSED -L- LINE (BOOKER DAIRY ROAD EXTENSION) FROM US 70 BUSINESS TO WILSON MILLS RD FROM WILSON MILLS RD TO BUFFALO RD UP TO BUT NOT INCLUDING THE FINAL SURFACE COURSE. SEE TCP-5 THRU TCP-9.

CONSTRUCT SERVICE RD FROM US 70 BUSINESS TO -SR1- STA 20+23+/- UP TO BUT NOT INCLUDING FINAL SURFACE COURSE. SEE TCP-6.

CONSTRUCT THE STRUCTURE OVER THE NEUSE RIVER.

STEP 3. USING ROADWAY STANDARD NUMBER 1101.02 SHEET 1 OF 9 AND SHEET 3 OF 9 CONSTRUCT TIE-INS OF -L- (BOOKER DAIRY RD) TO US 70 BUSINESS, WILSON MILLS RD, BUFFALO RD AND THE TIE-IN OF -SR1- WITH US 70 BUSINESS UP TO BUT NOT INCLUDING THE FINAL SURFACE COURSE.

INSTALL PROPOSED TRAFFIC SIGNALS. SIGNAL HEADS WILL REMAIN COVERED UNTIL READY FOR USE.

STEP 4. USING ROADWAY STANDARD NUMBER 1101.02 SHEET 1 OF 9 CONSTRUCT THE WEDGING AND WIDENING UP TO BUT NOT INCLUDING THE FINAL SURFACE COURSE TYING INTO PROPOSED -L- LINE AS FOLLOWS:

-Y1- (WILSON MILLS RD) FROM -Y1- STA. 12+75+/- TO -Y1- STA. 23+20+/- . SEE TCP-7 THRU TCP-8. NOTE: WHEN WORKING IN AREAS THAT REQUIRE UNDERCUTTING, ONLY UNDERCUT AS MUCH AS CAN BE BACKFILLED IN THE SAME DAY.

-Y2- (BUFFALO RD) FROM -Y2- STA. 12+74+/- TO -Y2- STA. 16+40+/- . SEE TCP-9.

-L- (BOOKER DAIRY RD) FROM -L- STA. 124+55+/- TO -L- STA. 130+00+/- . SEE TCP-9.

STEP 5. USING ROADWAY STANDARD NUMBER 1101.02 SHEET 1 OF 9 CONSTRUCT THE REALIGNMENT OF -Y1A- (BARBOUR RD) USING THE FOLLOWING STEPS:

A - CONSTRUCT -Y1A- STA. 10+10+/- (WILSON MILLS RD) TO -Y1A- STA. 15+65+/- (BARBOUR RD) UP TO BUT NOT INCLUDING THE FINAL SURFACE COURSE. SEE TCP-8.

B - USING FLAGGERS AND ALTERNATING LANE CLOSURES COMPLETE TIE-IN OF -Y1A- WITH BARBOUR RD INSTALL TEMPORARY PAVEMENT MARKING AND SHIFT TRAFFIC INTO NEW ALIGNMENT. SEE TCP-11.

C - WITH -Y1A- TRAFFIC IN NEW PATTERN REMOVE EXISTING BARBOUR RD AS REQUIRED. SEE TCP-9 THRU TCP-10.

STEP 6. USING ROADWAY STANDARD NUMBER 1101.02 SHEET 3 OF 9 CONSTRUCT -Y- (US 70 BUSINESS) INCLUDING THE MEDIAN AREA, -SR1- (-SR1- STA. 10+50+/- TO -SR1- STA. 20+23+/-) AND THE PROPOSED LEFT AND RIGHT TURN LANES FROM -Y- STA. 12+33+/- TO -Y- STA. 22+86+/- UP TO BUT NOT INCLUDING THE FINAL SURFACE COURSE. SEE TCP-6.

NOTE: WHEN WORKING IN AREAS THAT REQUIRE UNDERCUTTING, ONLY UNDERCUT AS MUCH AS CAN BE BACKFILLED IN THE SAME DAY.

PHASE II

STEP 1. USING ROADWAY STANDARD NUMBER 1101.02 SHEET 1 OF 9 AND SHEET 3 OF 7 (FOR -Y- US 70 BUSINESS) PLACE FINAL SURFACE COURSE ON ALL -Y- LINES AND INSTALL FINAL PAVEMENT MARKING AND MARKERS.

PLACE FINAL SURFACE COURSE ON -L- LINE THRU OUT THE LIMITS OF THE PROJECT.

STEP 2. ACTIVATE TRAFFIC SIGNALS AND OPEN ALL LANES TO TRAFFIC.

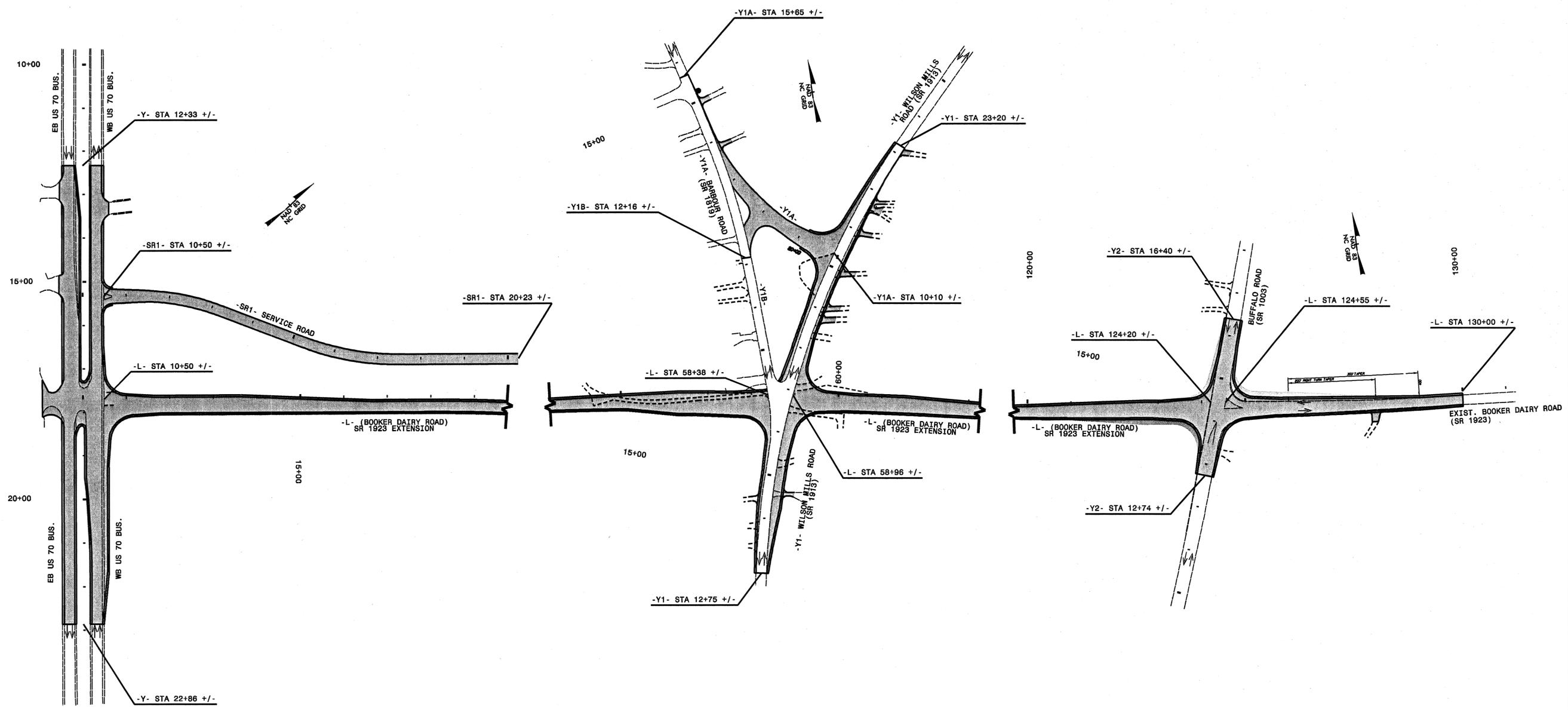
TEMP. PAVEMENT MARKING SCHEDULE

SYMBOL	DESCRIPTION PAVEMENT MARKINGS
	PAVEMENT MARKINGS
	PAINT (4")
PA	WHITE EDGELINE
PB	YELLOW EDGELINE
PC	10 FT. WHITE SKIP
PD	2 FT. WHITE MINISKIP
PE	WHITE SOLID LANE LINE
PI	YELLOW DOUBLE CENTER
	PAINT (8")
PR	WHITE GORELINE
PS	WHITE DIAGONAL
PV	YELLOW DIAGONAL
	PAINT (24")
P4	WHITE STOPBAR
	PAINT MARKING SYMBOLS
QA	LEFT TURN ARROW
QB	RIGHT TURN ARROW
QC	STRAIGHT ARROW
QE	COMBO STRAIGHT/RIGHT ARROW
	MARKERS
	TEMPORARY RAISED PAVEMENT MARKERS
MH	YELLOW & YELLOW
MI	CRYSTAL & RED

SYSTEMTIME: 9/23/2008 11:43:34 AM
 USER: JPH
 USERNAME: JPH



APPROVED: _____ DATE: _____	PHASING	
	TEMPORARY PAVEMENT MARKING SCHEDULE	
	SCALE: NONE	REVISIONS
	DATE: 9/08	
	DESIGN BY: JPH	
	REVIEWED BY: RLW/SLS	



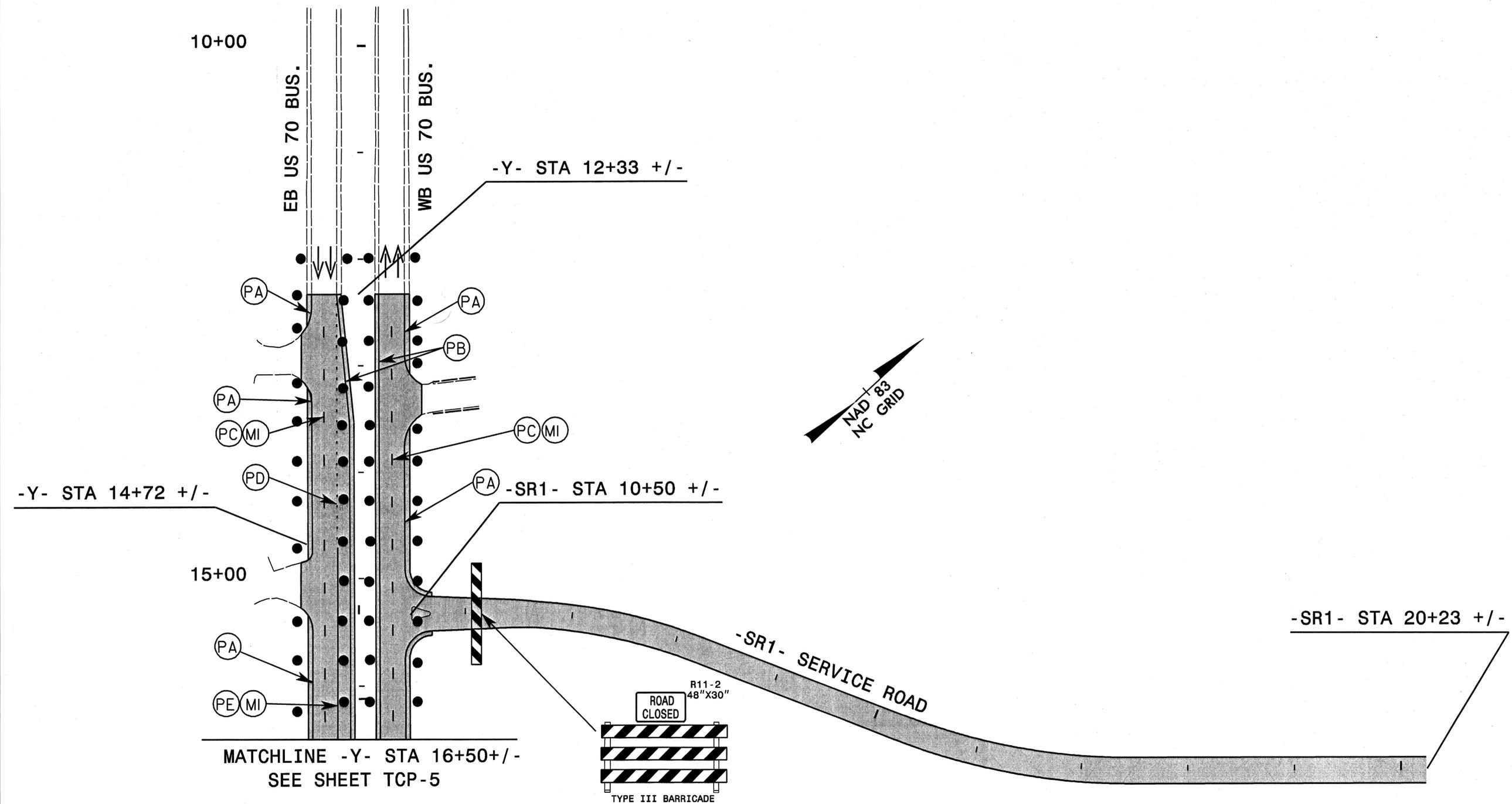
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SEPI
 ENGINEERING GROUP
 1025 Wade Avenue
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 Tel: 919-789-9977
 Fax: 919-789-9691

APPROVED: _____ DATE: _____
 SEAL
 ENGINEER
 STEVEN L. SCOTT
 9/23/08

OVERVIEW									
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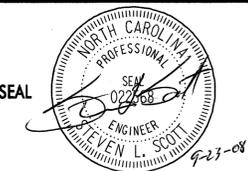


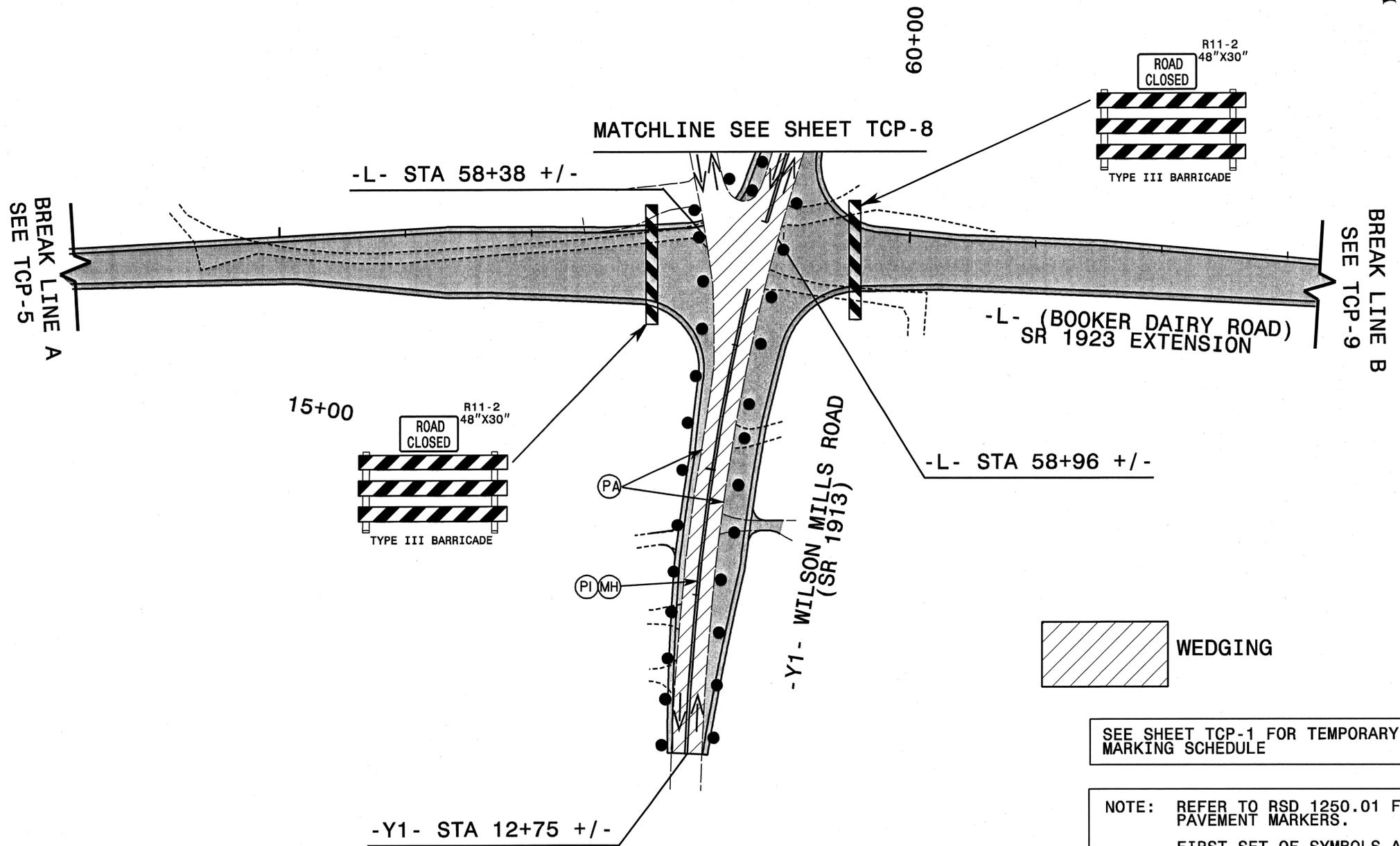
SEE SHEET TCP-1 FOR TEMPORARY PAVEMENT MARKING SCHEDULE

NOTE: REFER TO RSD 1250.01 FOR PLACEMENT OF TEMPORARY PAVEMENT MARKERS.
FIRST SET OF SYMBOLS ARE 60' FROM THE STOP BAR UNLESS OTHERWISE INDICATED.

SYSTEM: DGN
USER: JPH

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Fax: 919-789-9591

APPROVED: _____ DATE: _____	PHASE I DETAILS	
		
SCALE: NONE		REVISIONS
DATE: 9/08		
DWG. BY: JPH		
DESIGN BY: JPH		
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SEE SHEET TCP-1 FOR TEMPORARY PAVEMENT MARKING SCHEDULE

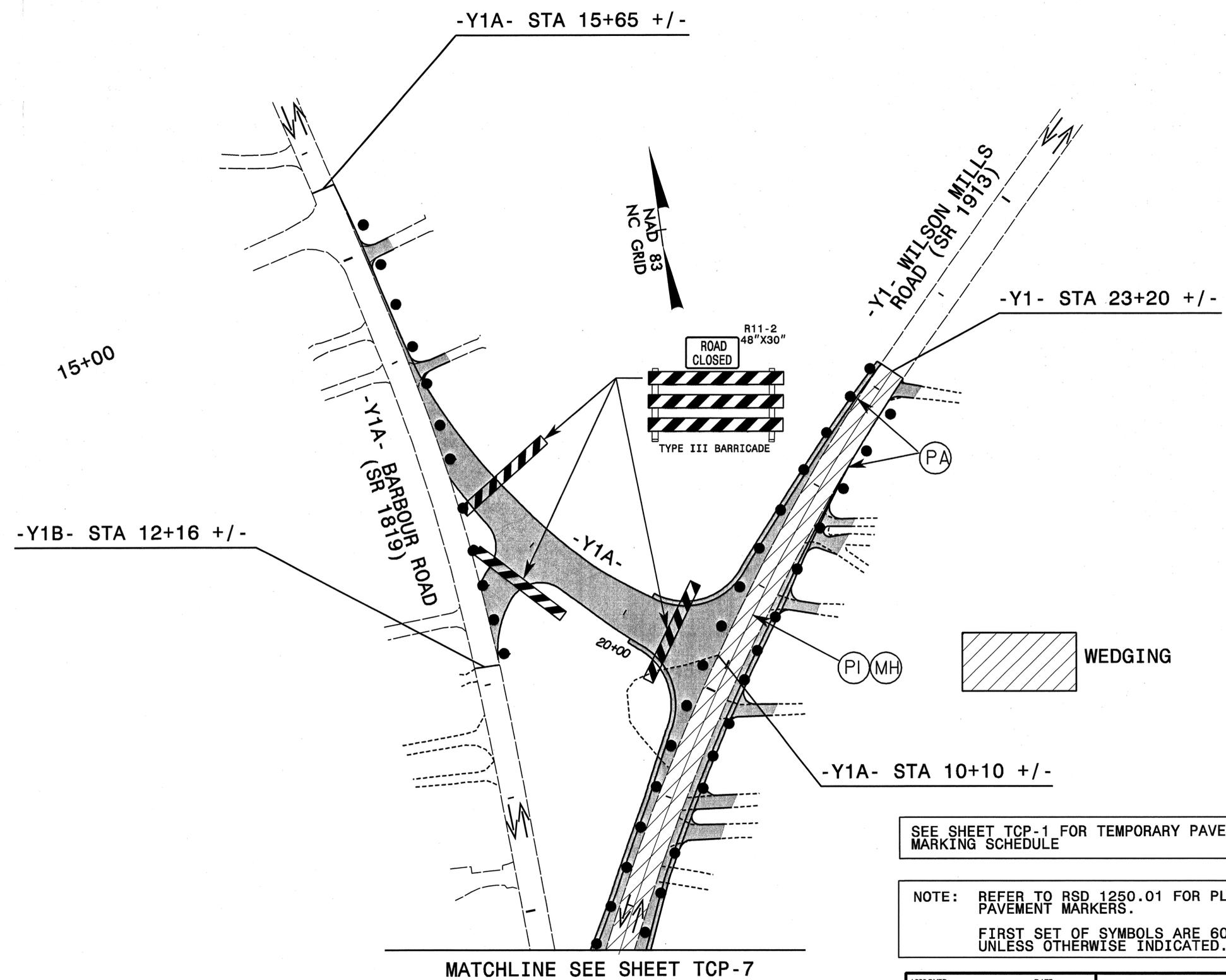
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APPROVED: _____ DATE: _____
SEAL

PHASE I DETAILS	
SCALE: NONE	REVISIONS
DATE: 9/08	
DWG. BY: JPH	
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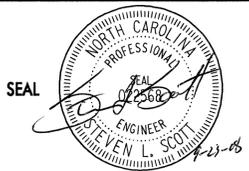
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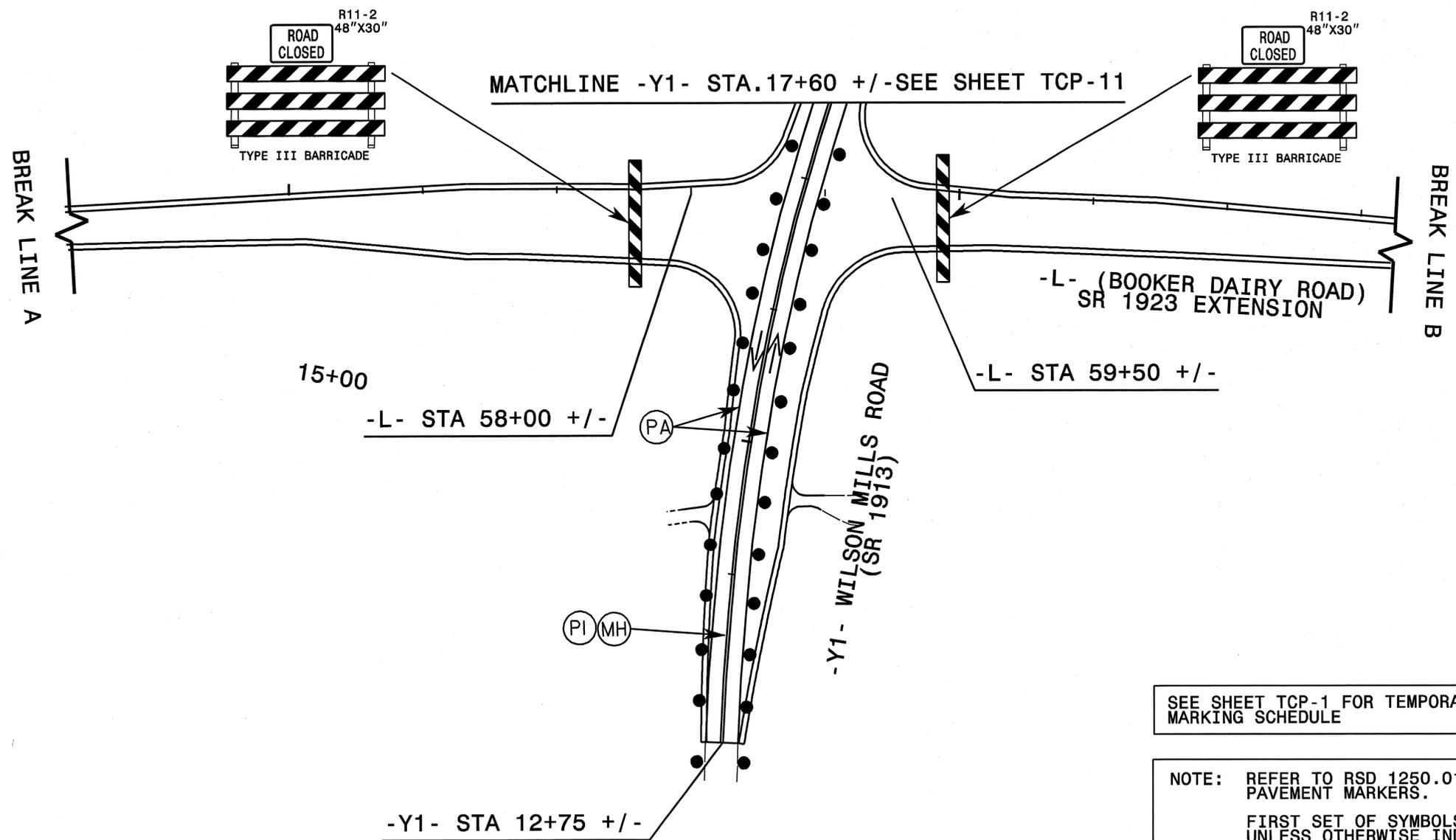
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MATCHLINE SEE SHEET TCP-7

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		DATE: 9/08									
1025 Wade Avenue Raleigh, NC 27605 Tel: 919-789-9977 Fax: 919-789-9591		DWG. BY: JPH									
		DESIGN BY: JPH									
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SEE SHEET TCP-1 FOR TEMPORARY PAVEMENT MARKING SCHEDULE

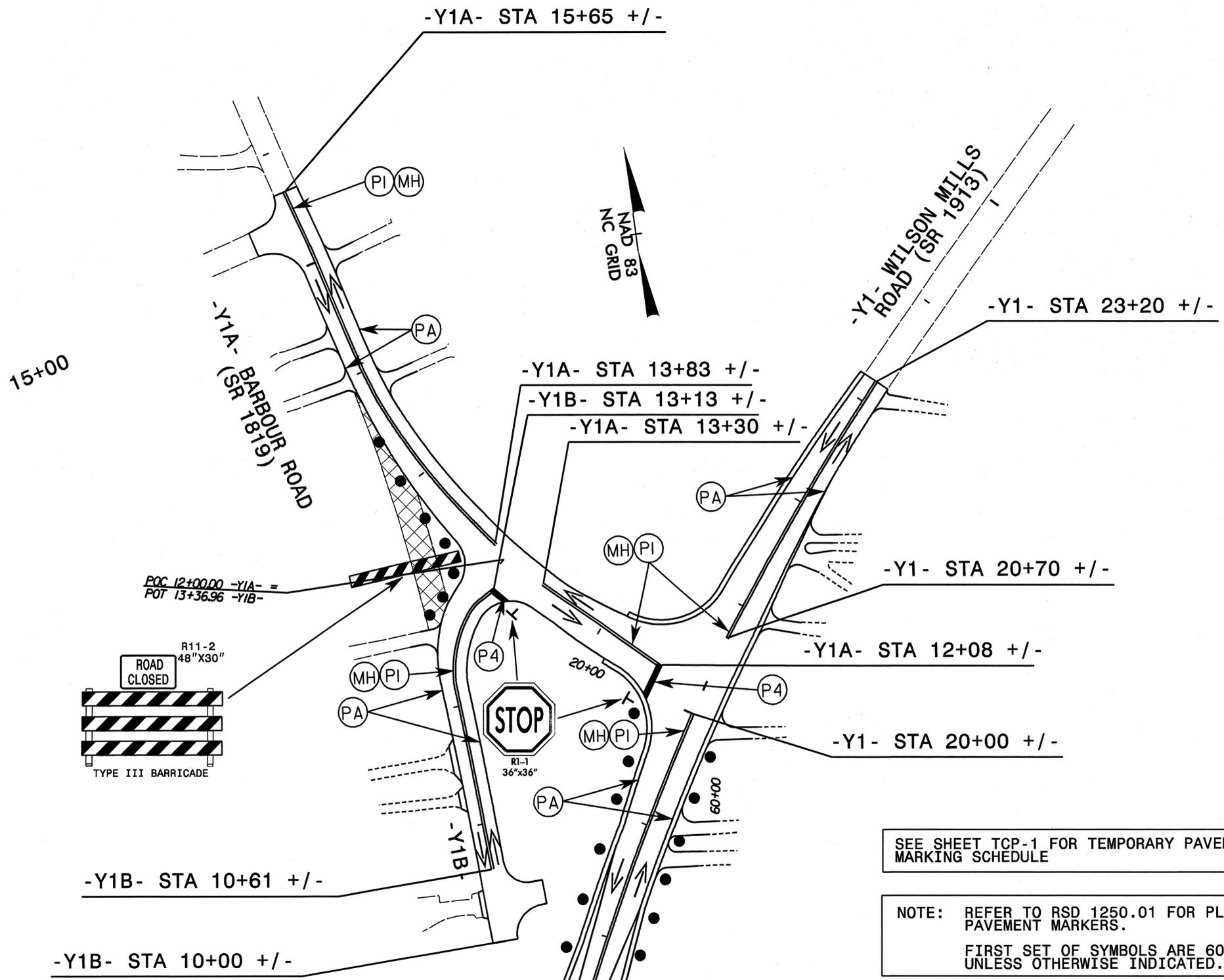
NOTE: REFER TO RSD 1250.01 FOR PLACEMENT OF TEMPORARY PAVEMENT MARKERS.
FIRST SET OF SYMBOLS ARE 60' FROM THE STOP BAR UNLESS OTHERWISE INDICATED.

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\$\$\$\$\$DCM\$\$\$\$\$
\$\$\$\$\$USERNAME\$\$\$\$\$

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APPROVED: _____ DATE: _____
SEAL
NORTH CAROLINA PROFESSIONAL ENGINEER
STEVEN L. SCOTT
9/23/08

PHASE I DETAILS		REVISIONS
SCALE: NONE	DATE: 9/08	
DESIGN BY: JPH	REVIEWED BY: RLW/SLS	



SEE SHEET TCP-1 FOR TEMPORARY PAVEMENT MARKING SCHEDULE

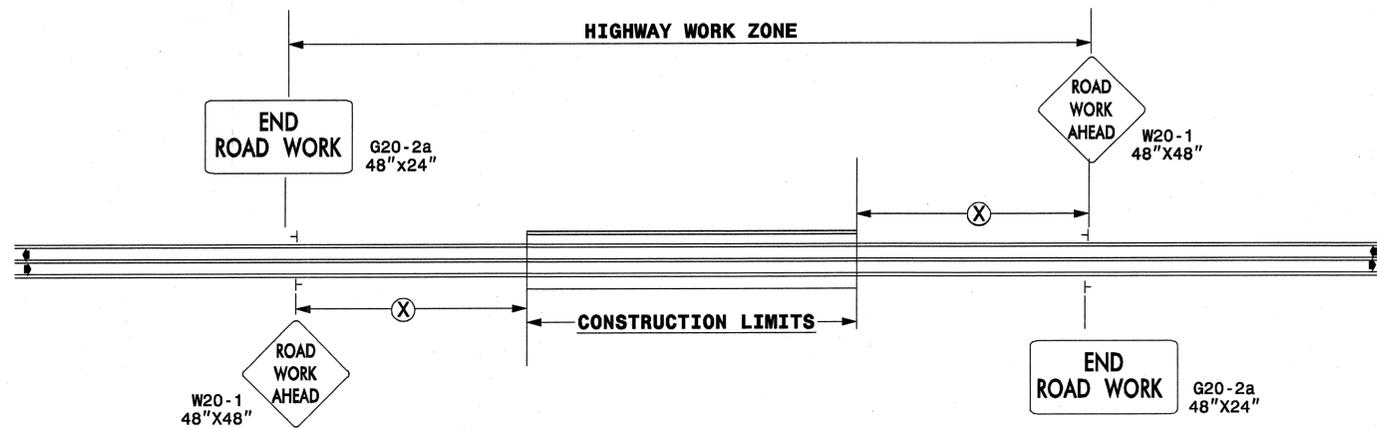
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		REVISIONS	

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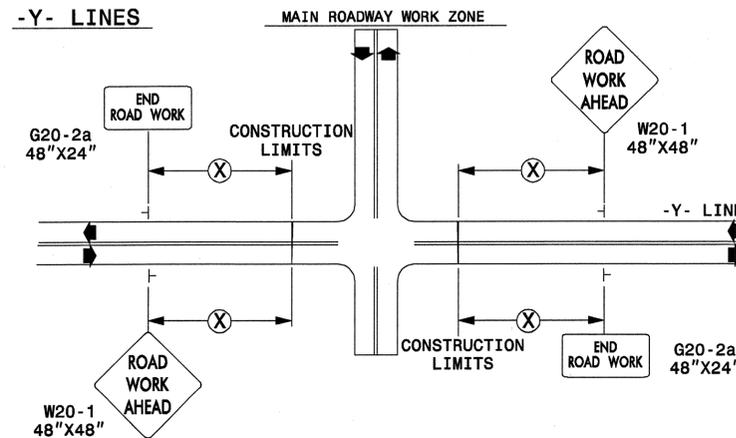
TWO-WAY UNDIVIDED ** (L-LINES)



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: *J.W. Wolden* DATE: 9/30/08

SEAL

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

SCALE: NONE	REVISIONS	
DATE: 9/08	7-98	10/01
DWG. BY:	10-98	03/04
DESIGN BY:	01/01	11/04
REVIEWED BY:	CADD FILE	



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