

STATE OF NORTH CAROLINA
DIVISION OF HIGHWAYS

STATE PROJECT REFERENCE NO.	SHEET NO.
R - 2 1 0 7 B	TCP-1

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

R-2107 B

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
1115.01	FLASHING ARROW PANELS
1130.01	DRUMS
1135.01	CONES
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
1205.04	PAVEMENT MARKINGS - INTERSECTIONS
1205.05	PAVEMENT MARKINGS - TURN LANES
1205.06	PAVEMENT MARKINGS - THRU LANE DROPS
1205.07	PAVEMENT MARKINGS - PEDESTRIAN CROSSWALKS
1205.08	PAVEMENT MARKINGS - SYMBOLS & WORD MESSAGES
1205.09	PAVEMENT MARKINGS - PAINTED ISLANDS
1205.11	PAVEMENT MARKINGS - RAILROAD CROSSINGS
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	PROJECT NOTES
TCP-3 & TCP-3A	PHASING
TCP-4 TO TCP-9	PHASE I
TCP-10 TO TCP-16	PHASE II
TCP-17 TO TCP-20	PHASE III
TCP-21	DETOUR ROUTE WHEN US 220 ALT NORTH IS CLOSED
TCP-22	DETOUR ROUTE WHEN US 220 ALT SOUTH IS CLOSED
TCP-23	WORK ZONE WARNING SIGNS
PM-1 TO PM-6	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 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**
- PAVEMENT MARKING SYMBOLS

TIP PROJECT:

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APPROVED: DATE: 23 SEP 08	PLAN PREPARED BY: N.C.D.O.T. WORK ZONE TRAFFIC CONTROL UNIT
SEAL 	J.S. BOURNE, P.E. TRAFFIC CONTROL ENGINEER G.L. GETTIER, P.E. TRAFFIC CONTROL PROJECT ENGINEER J.W. GILSTRAP TRAFFIC CONTROL PROJECT DESIGN ENGINEER K.P. BROADWELL TRAFFIC CONTROL DESIGN ENGINEER / TECHNICIAN

GENERAL NOTES

PROJ. REFERENCE NO. R-2107B	SHEET NO. TCP-2
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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 UNDESIRE 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 AS DIRECTED BY THE ENGINEER.

TIME RESTRICTIONS

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

ROAD NAME	DAY AND TIME RESTRICTIONS
1. NC 24/27 (-L-)	MONDAY THRU FRIDAY 6:00AM-9:00AM
2. US 220 BUS/ALT (-Y2-/-Y3-)	MONDAY THRU FRIDAY 6:00AM-9:00AM

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

ROAD NAME
1. NC 24/27 (-L-)
2. US 220 BUS/ALT (-Y2-/-Y3-)

HOLIDAY

1. FOR ANY UNEXPECTED OCCURRENCE THAT CREATE UNUSUALLY HIGH TRAFFIC VOLUMES, AS DIRECTED BY THE ENGINEER.
2. FOR NEW YEAR'S, BETWEEN THE HOURS OF 9:00AM DECEMBER 31st TO 6:00AM JANUARY 2ND. IF NEW YEAR'S DAY IS ON A FRIDAY, SATURDAY, SUNDAY, OR MONDAY THEN UNTIL 6:00AM THE FOLLOWING TUESDAY.
3. FOR EASTER, BETWEEN THE HOURS OF 9:00AM THURSDAY AND 6:00AM MONDAY.
4. FOR MEMORIAL DAY, BETWEEN THE HOURS OF 9:00AM FRIDAY TO 6:00AM TUESDAY.
5. FOR INDEPENDENCE DAY, BETWEEN THE HOURS OF 9:00AM THE DAY BEFORE INDEPENDENCE DAY AND 6:00AM THE DAY AFTER INDEPENDENCE DAY.

IF INDEPENDENCE DAY IS ON A FRIDAY, SATURDAY, SUNDAY, OR MONDAY THEN BETWEEN THE HOURS OF 9:00AM THE THURSDAY BEFORE INDEPENDENCE DAY AND 6:00AM THE TUESDAY AFTER INDEPENDENCE DAY.
6. FOR LABOR DAY, BETWEEN THE HOURS OF 9:00AM FRIDAY AND 6:00AM TUESDAY.
7. FOR THANKSGIVING DAY, BETWEEN THE HOURS OF 9:00AM TUESDAY TO 6:00AM MONDAY.
8. FOR CHRISTMAS, BETWEEN THE HOURS OF 9:00AM THE FRIDAY BEFORE THE WEEK OF CHRISTMAS DAY AND 6:00AM THE FOLLOWING TUESDAY AFTER THE WEEK OF CHRISTMAS.

C) DO NOT CLOSE ROADS AS FOLLOWS:

ROAD NAME	DAY AND TIME RESTRICTIONS
1. NC 24/27 (-L-)	ANYTIME
2. US 220 BUS/ALT (-Y2-/-Y3-)	ANYTIME

D) DO NOT STOP TRAFFIC AS FOLLOWS:

ROAD NAME	DAY AND TIME RESTRICTIONS	DURATION AND OPERATION
1. NC 24/27 (-L-)	MONDAY THRU FRIDAY 9:00AM-7:00PM	15 MINUTES MAX. / TRAFFIC OPERATIONS
2. US 220 BUS/ALT (-Y2-/-Y3-)	MONDAY THRU FRIDAY 9:00AM-7:00PM	15 MINUTES MAX. / TRAFFIC OPERATIONS

E) 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

F) REMOVE LANE CLOSURE DEVICES FROM THE LANE WHEN WORK IS NOT BEING PERFORMED BEHIND THE LANE CLOSURE OR WHEN A LANE CLOSURE IS NO LONGER NEEDED, OR AS DIRECTED BY THE ENGINEER.

G) WHEN PERSONNEL AND/OR EQUIPMENT ARE WORKING 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.

H) 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.

I) 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.

J) 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.

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

PAVEMENT EDGE DROP OFF REQUIREMENTS

L) 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.

M) 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) 200 FT IN ADVANCE AND A MINIMUM OF ONCE EVERY HALF MILE THROUGHOUT THE UNEVEN AREA.

TRAFFIC PATTERN ALTERATIONS

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

SIGNING

O) 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.

P) PROVIDE PERMANENT SIGNING.

Q) PROVIDE DETOUR SIGNING WITH IN AND OFF THE PROJECT LIMITS.

R) COVER OR REMOVE ALL DETOUR SIGNS WITH IN AND/OR OFF THE PROJECT LIMITS WHEN A DETOUR IS NOT IN OPERATION.

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

TRAFFIC BARRIER

T) INSTALL TEMPORARY BARRIER ACCORDING TO THE TRAFFIC CONTROL PLANS A MAXIMUM OF TWO (2) WEEKS PRIOR TO BEGINNING WORK IN ANY LOCATION. ONCE TEMPORARY 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.

DO NOT PLACE BARRIER DIRECTLY ON ANY SURFACE OTHER THAN ASPHALT OR CONCRETE.

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

INSTALL TEMPORARY BARRIER WITH THE TRAFFIC FLOW, BEGINNING WITH THE UPSTREAM SIDE OF TRAFFIC. REMOVE TEMPORARY 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 THE SECTION OF THE ROADWAY CLOSED UNTIL THE TEMPORARY BARRIER CAN BE PLACED OR AFTER THE TEMPORARY BARRIER IS REMOVED.

TRAFFIC CONTROL DEVICES

U) 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.

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

W) PLACE ADDITIONAL SETS OF THREE CHANNELIZING DEVICES (DRUMS, CONES OR SKINNY DRUMS) PERPENDICULAR TO THE EDGE OF TRAVELWAY ON (300 FT) CENTERS WHEN UNOPENED LANES ARE CLOSED TO TRAFFIC.

PAVEMENT MARKINGS AND MARKERS

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

ROAD NAME	MARKING	MARKER
1. ALL ROADS	THERMOPLASTIC	SNOWPLOWABLE (ROADS) AND PERMANENT RAISED (AROUND ISLAND ENDS)
2. STRUCTURE	COLD APPLIED PLASTIC TYPE I	PERMANENT RAISED

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

ROAD NAME	MARKING	MARKER
1. ALL ROADS	PAINT	TEMPORARY RAISED
2. STRUCTURE	COLD APPLIED PLASTIC TYPE IV (REM. TAPE)	TEMPORARY RAISED

Z) 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.

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

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

CC) TRACE THE PROPOSED MONOLITHIC ISLAND LOCATIONS WITH THE PROPER COLOR PAVEMENT MARKING PRIOR TO INSTALLATION. PLACE DRUMS OR CONES TO DELINEATE ANY PROPOSED MONOLITHIC ISLANDS BEFORE INSTALLATION.

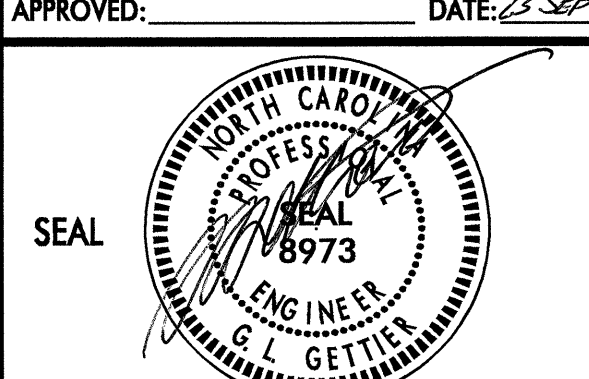
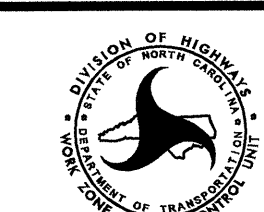
TEMPORARY/FINAL SIGNALS

DD) SHIFT AND REVISE ALL SIGNAL HEADS AS SHOWN ON THE SIGNAL PLANS.

MISCELLANEOUS

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

FF) CONTRACTOR SHALL MAINTAIN SIDEWALK ACCESS AT ALL TIME AS STATED IN THE PHASING. CONTRACTOR SHALL BE RESPONSIBLE TO PROVIDE TEMPORARY SIDEWALKS (CONCRETE, ASPHALT, OR OTHER SUITABLE MATERIAL AS APPROVED BY THE ENGINEER) AT ALL LOCATIONS WHERE THE OPEN PEDESTRIAN TRAVELWAY HAS BEEN REMOVED FOR CONSTRUCTION OPERATIONS (UTILITIES, DRAINAGE, ETC.).

APPROVED: _____	DATE: 28 SEP 08	GENERAL NOTES	
	SCALE: NONE		REVISIONS
	DATE: 9/08		
	DWG. BY: KPB		
	DESIGN BY: KPB		
REVIEWED BY: JWG			CADD FILE

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PHASE I

PROJ. REFERENCE NO.	SHEET NO.
R-2107B	TCP-3

- STEP 1: - CONTRACTOR SHALL PLACE ADVANCE WORK ZONE WARNING SIGNS ALONG EXISTING NC 24/27 (-L-) AND ALL -Y- LINES (SEE SHEET TCP-23).
- CONTRACTOR SHALL INSTALL CHANGEABLE MESSAGE SIGNS (CMS) ON NC 24/27 (-L-) AND US 220 ALT (-Y2-/-Y3-) AS DIRECTED BY THE ENGINEER.
- STEP 2: - CONTRACTOR SHALL, USING ROADWAY STANDARD DRAWING NO. 1101.02, SHEET 1, 2 & 3 OF 9:
- REVISE EXISTING SIGNAL AT THE INTERSECTION OF NC 24/27 (-L-) & US 220 ALT (-Y2-/-Y3-) FOR A TEMPORARY TWO-LANE, TWO-WAY TRAFFIC PATTERN (SEE SIGNAL PLANS AND SHEET TCP-5).
 - REMOVE EXISTING PAVEMENT MARKINGS & MARKERS, PLACE TEMPORARY PAVEMENT MARKINGS (PAINT) & INSTALL TEMPORARY RAISED PAVEMENT MARKERS FOR A TEMPORARY TWO-LANE, TWO-WAY TRAFFIC PATTERN, ACTIVATE TEMPORARY SIGNAL AT THE INTERSECTION OF NC 24/27 (-L-) & US 220 ALT (-Y2-/-Y3-) AND PLACE TRAFFIC IN THE TEMPORARY TRAFFIC PATTERN ON NC 24/27 (-L-) (SEE SHEETS TCP-4 TO TCP-9).
 - INSTALL TYPE III BARRICADES & SIGNS TO CLOSE THE EXISTING SIDEWALK ON THE LEFT SIDE OF NC 24/27 (-L-) AND DIRECT ALL PEDESTRIAN TRAFFIC TO UTILIZE THE EXISTING SIDEWALK ON THE RIGHT SIDE OF NC 24/27 (-L-) (SEE SHEETS TCP-4 TO TCP-9).

THE CONTRACTOR MAY (WITH THE ENGINEER'S APPROVAL) UTILIZE FLAGGERS AND MILLING & PAVING OPERATIONS TO CONSTRUCT THE PROPOSED LEFT SIDE OF THE INTERSECTION OF NC 24/27 (-L-) & US 220 ALT (-Y2-) FROM STA. 21+00 +/- -L- TO STA. 22+25 +/- -L- OR MAY CLOSE THE NORTH SIDE OF THE INTERSECTION AS DESCRIBED IN PHASE I, STEP 3A BELOW. HOWEVER, THE CONTRACTOR SHALL WORK PHASE I, STEP 3 AND STEP 3A (IF SELECTED) SIMULTANEOUSLY.

- STEP 3: - THE FOLLOWING NOTES ARE APPLICABLE FOR PHASE I, STEP 3.
- NOTE: CONTRACTOR SHALL PLACE TRAFFIC BACK INTO THE EXISTING/TEMPORARY PATTERN AS SHOWN IN THE TRAFFIC CONTROL PLAN AT THE END OF EACH WORK PERIOD.
- NOTE: CONTRACTOR SHALL PLACE TYPE III BARRICADES & DRUMS AT ALL -Y- LINES AND DRUMS AT ALL DRIVEWAYS TO KEEP PROPOSED WIDENING CLOSED TO TRAFFIC.
- NOTE: WHEN CONSTRUCTING DRAINAGE STRUCTURES ADJACENT TO TRAFFIC, INSTALL TEMPORARY STEEL PLATES, AS DIRECTED BY THE ENGINEER. MAY WORK EACH LOCATION INDEPENDENTLY OR CONCURRENTLY, UNLESS OTHERWISE DIRECTED BY THE ENGINEER. WORK IN A CONTINUOUS MANNER TO PERFORM THE WORK IN THE FOLLOWING SEQUENCE, STEPS 'A' THRU 'E'.
- A: CLOSE THE APPROPRIATE TRAVEL LANE TO TRAFFIC USING ROADWAY STANDARD DRAWING NO. 1101.02 SHEETS 1, 2 & 3 OF 9.
- B: CONSTRUCT PROPOSED STRUCTURE OR INSTALL PRE-CAST DRAINAGE STRUCTURE AS SHOWN IN THE CONSTRUCTION PLANS AND COVER WITH STEEL PLATES TO PROTECT STRUCTURE DURING CURING.
- C: OPEN TRAVEL LANE TO EXISTING TRAFFIC PATTERN BY THE END OF EACH WORK PERIOD.
- D: WHEN PROPERLY CURED, CLOSE THE APPROPRIATE TRAVEL LANE USING ROADWAY STANDARD DRAWING NO. 1101.02, SHEETS 1, 2 & 3 OF 9. BACKFILL & PAVE, IF REQUIRED, UP TO THE EDGE AND ELEVATION OF EXISTING PAVEMENT (SEE CONSTRUCTION PLANS).
- E: OPEN TRAVEL LANE TO EXISTING TRAFFIC PATTERN BY THE END OF THE WORK PERIOD.
- CONTRACTOR, USING ROADWAY STANDARD DRAWING NO. 1101.02, SHEET 1, 2 & 3 OF 9:
- MAY BEGIN CLEARING/GRUBBING & GRADING OPERATIONS, AND CONSTRUCTION OF PROPOSED DRAINAGE (INCLUDING CURB & GUTTER AND SIDEWALKS) ALONG & ACROSS EXISTING NC 24/27 (-L-) AND ALL -Y- LINES/DRIVEWAYS, AS DIRECTED BY THE ENGINEER (SEE CONSTRUCTION PLANS).
 - BEGIN INSTALLATION OF PROPOSED/REVISED RAILROAD SIGNAL EQUIPMENT (SEE CONSTRUCTION PLANS AND RAILROAD SIGNAL PLANS).
 - SHALL INSTALL WATER FILLED BARRIER ALONG THE LEFT SIDE OF THE TEMPORARY TWO-LANE, TWO-WAY TRAFFIC PATTERN OF NC 24/27 (-L-) (SEE SHEETS TCP-5, TCP-6, TCP-8 & TCP-9).
- NOTE: INSTALL ADDITIONAL WATER FILLED BARRIER AS DIRECTED BY THE ENGINEER.
- ONCE WATER FILLED BARRIER IS INSTALLED THE CONTRACTOR SHALL, USING ROADWAY STANDARD DRAWING NO. 1101.02, SHEET 1, 2 & 3 OF 9:
- BEGIN INSTALLATION OF PROPOSED/REVISED RAILROAD SIGNAL EQUIPMENT (SEE CONSTRUCTION PLANS AND RAILROAD SIGNAL PLANS).
 - BEGIN CONSTRUCTION (UTILIZING MILLING, PAVING & WEDGING OPERATIONS WITH TEMPORARY SLOPES OF 2:1 AS REQUIRED) THE LEFT SIDE OF PROPOSED WIDENING FOR A MINIMUM OF TWO-LANE (27'+/-) SECTION & THREE-LANE (38'+/-) SECTION (FOR SIGNALIZED INTERSECTION AREAS) OF NC 24/27 (-L-) FROM STA. 15+00 +/- -L- TO STA. 55+00 +/- -L- AND FROM STA. 57+00 +/- -L- TO STA. 63+00 +/- -L- [INCLUDING PAGE STREET (-Y-), PINE STREET (SR 1591/-Y5-), BRENDANA DRIVE (-Y8-), ALL DRIVEWAYS, PROPOSED CURB & GUTTER, PROPOSED DRAINAGE AND PROPOSED SIDEWALKS] UP TO, BUT NOT INCLUDING THE FINAL LAYER OF SURFACE COURSE (SEE CONSTRUCTION PLANS AND SHEETS TCP-4 TO TCP-9).
 - BEGIN INSTALLATION OF REVISED SIGNAL AT THE INTERSECTION OF EXISTING NC 24/27 (-L-) & US 220 ALT (-Y2-/-Y3-) FOR TEMPORARY TRAFFIC PATTERN IN PHASE II (SEE SIGNAL PLANS AND SHEET TCP-11).
 - BEGIN CONSTRUCTION (UTILIZING ALTERNATING TRAFFIC PATTERN SHIFTS WITH MILLING/PAVING & WEDGING OPERATIONS) PROPOSED WIDENING OF US 220 ALT (-Y2-)(INCLUDING PROPOSED CURB & GUTTER, PROPOSED DRAINAGE AND PROPOSED SIDEWALKS), UP TO, BUT NOT INCLUDING THE FINAL LAYER OF SURFACE COURSE (SEE CONSTRUCTION PLANS AND SHEET TCP-5).
- NOTE: THE CONTRACTOR MAY (WITH THE ENGINEER'S APPROVAL) UTILIZE FLAGGERS AND MILLING & PAVING OPERATIONS TO CONSTRUCT THE PROPOSED LEFT SIDE OF THE INTERSECTION OF NC 24/27 (-L-) & US 220 ALT (-Y2-) FROM STA. 21+00 +/- -L- TO STA. 22+25 +/- -L- OR MAY CLOSE THE NORTH SIDE OF THE INTERSECTION AS DESCRIBED IN PHASE I, STEP 3A BELOW.
- BEGIN CONSTRUCTION OF PROPOSED WIDENING OF US 220 ALT (-Y3-)(INCLUDING PROPOSED CURB & GUTTER, PROPOSED DRAINAGE AND PROPOSED SIDEWALKS) UP TO THE EDGE AND ELEVATION OF THE EXISTING (SEE CONSTRUCTION PLANS AND SHEET TCP-5).
 - INSTALL PROPOSED SIGNAL AT THE INTERSECTION OF NC 24/27 (-L-) AND PROPOSED DRIVE (LEFT OF STA. 52+43 +/- -L- MCCASKILL STREET (SR 1577/-Y10-) FOR TEMPORARY TRAFFIC PATTERN IN PHASE I, STEP 4 (SEE SIGNAL PLANS AND SHEET TCP-8A).
 - CONSTRUCT PROPOSED DRIVE FROM STA. 10+00 +/- -L- DRIVE- TO STA. 16+10 +/- -L- DRIVE- (INCLUDING PROPOSED SHOULDERS, PROPOSED CURB & GUTTER, PROPOSED DRAINAGE AND PROPOSED SIDEWALKS) UP TO, BUT INCLUDING THE FINAL LAYER OF SURFACE COURSE AND PLACE TEMPORARY PAVEMENT MARKINGS (PAINT) & INSTALL TEMPORARY RAISED PAVEMENT MARKERS (SEE CONSTRUCTION PLANS AND SHEET TCP-8).
- NOTE: CONTRACTOR SHALL PLACE TYPE III BARRICADES & DRUMS TO KEEP PROPOSED DRIVE CLOSED TO TRAFFIC.
- CONSTRUCT (UTILIZING MILLING, PAVING & WEDGING OPERATIONS WITH TEMPORARY SLOPES OF 2:1 AS REQUIRED) THE LEFT SIDE OF PROPOSED WIDENING OF NC 24/27 (-L-) FROM STA. 50+00 +/- -L- TO STA. 53+25 +/- -L- (INCLUDING PROPOSED CURB & GUTTER AND PROPOSED DRAINAGE) UP TO, BUT NOT INCLUDING THE FINAL LAYER OF SURFACE COURSE (SEE CONSTRUCTION PLANS AND SHEET TCP-8).

IF SELECTED THE CONTRACTOR SHALL WORK IN A CONTINUOUS MANNER TO COMPLETE THE WORK IN PHASE I, STEP 3A FROM 8:00 PM FRIDAY TO 6:00 AM MONDAY (SEE INTERMEDIATE CONTRACT TIME AND SPECIAL PROVISIONS)

- STEP 3A: - CONSTRUCTION OF PROPOSED TIE-IN OF THE INTERSECTION OF NC 24/27 (-L-) AND US 220 ALT (-Y2-).
1. CONTRACTOR SHALL, USING ROADWAY STANDARD DRAWING NO. 1101.03, SHEETS 1 & 2 OF 9 AND OFF-SITE DETOUR DETAIL (SEE SHEET TCP-21), CLOSE US 220 ALT (-Y2-) TO TRAFFIC.
 2. UTILIZE MILLING & PAVING OPERATIONS TO CONSTRUCT THE PROPOSED LEFT SIDE OF THE INTERSECTION OF NC 24/27 (-L-) & US 220 ALT (-Y2-) FROM STA. 21+00 +/- -L- TO STA. 22+25 +/- -L- UP TO, BUT NOT INCLUDING THE FINAL LAYER OF SURFACE COURSE (SEE CONSTRUCTION PLANS) WITH TEMPORARY TIE-INS TO US 220 ALT (-Y2-)(AS DIRECTED BY THE ENGINEER) AND PLACE TEMPORARY PAVEMENT MARKINGS (PAINT) & INSTALL TEMPORARY RAISED PAVEMENT MARKERS FOR EXISTING PATTERN.
 3. OPEN US 220 ALT (-Y2-) TO TRAFFIC.

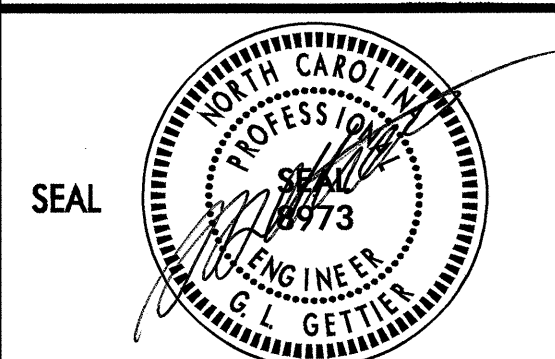

CONTRACTOR SHALL WORK IN A CONTINUOUS MANNER TO COMPLETE THE WORK OF PHASE I, STEP 4 IN ONE WORK PERIOD.

- STEP 4: - CONTRACTOR, USING ROADWAY STANDARD DRAWING NO. 1101.02, SHEET 1 & 2 OF 9:
- REMOVE EXISTING PAVEMENT MARKINGS & MARKERS AND PLACE TEMPORARY PAVEMENT MARKINGS (PAINT) & INSTALL TEMPORARY RAISED PAVEMENT MARKERS ON EXISTING NC 24/27 (-L-) FROM STA. 49+50 +/- -L- TO STA. 57+00 +/- -L- FOR THE TEMPORARY PATTERN AT THE INTERSECTION OF NC 24/27 (-L-) & PROPOSED DRIVE/MCCASKILL STREET (SR1577/-Y10-) (SEE SHEET TCP-8A).
 - ACTIVATE PROPOSED SIGNAL AT THE INTERSECTION OF NC 24/27 (-L-) & PROPOSED DRIVE/MCCASKILL STREET (SR 1577/-Y10-) AND OPEN TO TEMPORARY TRAFFIC PATTERN (SEE SIGNAL PLANS AND SHEET TCP-8A).
- NOTE: PLACE TYPE III BARRICADES AND DRUMS TO CLOSE EXISTING DRIVEWAY TO TRAFFIC.
- STEP 5: - BEHIND WATER FILLED BARRIER COMPLETE THE FOLLOWING BEGUN IN PHASE I, STEP 3 AND PLACE TEMPORARY PAVEMENT MARKINGS (PAINT) & INSTALL TEMPORARY RAISED PAVEMENT MARKERS ON NEWLY COMPLETED LEFT SIDE OF NC 24/27 (-L-) AND ALL -Y- LINES AS MUCH AS POSSIBLE WITHOUT INTERFERING WITH TRAFFIC:
- COMPLETE CONSTRUCTION (UTILIZING MILLING, PAVING & WEDGING OPERATIONS WITH TEMPORARY SLOPES OF 2:1 AS REQUIRED) THE LEFT SIDE OF PROPOSED WIDENING FOR A MINIMUM OF TWO-LANE (27'+/-) SECTION & THREE-LANE (38'+/-) SECTION (FOR SIGNALIZED INTERSECTION AREAS) OF NC 24/27 (-L-) FROM STA. 15+00 +/- -L- TO STA. 50+00 -L- AND FROM STA. 53+25 +/- -L- TO STA. 63+00 +/- -L- [INCLUDING PAGE STREET (-Y-), PINE STREET (SR 1591/-Y5-), BRENDANA DRIVE (-Y8-), ALL DRIVEWAYS, PROPOSED CURB & GUTTER AND PROPOSED DRAINAGE AND PROPOSED SIDEWALKS] UP TO, BUT NOT INCLUDING THE FINAL LAYER OF SURFACE COURSE (SEE CONSTRUCTION PLANS AND SHEETS TCP-4 TO TCP-9).
 - COMPLETE INSTALLATION OF REVISED SIGNAL AT THE INTERSECTION OF EXISTING NC 24/27 (-L-) & US 220 ALT (-Y2-/-Y3-) FOR TEMPORARY TRAFFIC PATTERN IN PHASE II (SEE SIGNAL PLANS AND TCP-11).
 - COMPLETE CONSTRUCTION (UTILIZING ALTERNATING TRAFFIC PATTERN SHIFTS WITH MILLING/PAVING & WEDGING OPERATIONS) OF PROPOSED WIDENING OF US 220 ALT (-Y2-)(INCLUDING PROPOSED CURB & GUTTER, PROPOSED DRAINAGE AND PROPOSED SIDEWALKS), UP TO, BUT NOT INCLUDING THE FINAL LAYER OF SURFACE COURSE (SEE CONSTRUCTION PLANS AND SHEET TCP-5).
 - COMPLETE CONSTRUCTION OF PROPOSED WIDENING OF US 220 ALT (-Y3-)(INCLUDING PROPOSED CURB & GUTTER, PROPOSED DRAINAGE AND PROPOSED SIDEWALKS) UP TO THE EDGE AND ELEVATION OF THE EXISTING (SEE CONSTRUCTION PLANS AND SHEET TCP-5).

CONTRACTOR SHALL WORK IN A CONTINUOUS MANNER TO COMPLETE THE WORK OF PHASE I, STEP 6 IN ONE WORK PERIOD.

- STEP 6: - CONTRACTOR SHALL, USING ROADWAY STANDARD DRAWING NO. 1101.02, SHEET 1, 2 & 3 OF 9:
- PLACE REMAINDER OF TEMPORARY PAVEMENT MARKINGS (PAINT) AND TEMPORARY RAISED PAVEMENT MARKERS ON NEWLY COMPLETED WIDENING LEFT SIDE OF NC 24/27 (-L-) AND ALL -Y- LINES FROM STA. 15+00 +/- -L- TO STA. 63+00 +/- -L-, ACTIVATE REVISED SIGNALS AT THE INTERSECTIONS OF NC 24/27 (-L-) & US 220 ALT (-Y2-/-Y3-) AND NC 24/27 (-L-) & PROPOSED DRIVE/MCCASKILL STREET (SR 1577/-Y10-), AND SHIFT TRAFFIC TO THE TEMPORARY TRAFFIC PATTERN (SEE SIGNAL PLANS AND SHEETS TCP-10 TO TCP-15A).
- NOTE: CONTRACTOR SHALL PLACE TYPE III BARRICADES & DRUMS AT ALL -Y- LINES AND DRUMS AT ALL DRIVEWAYS TO KEEP EXISTING CLOSED TO TRAFFIC.
- INSTALL TYPE III BARRICADES & SIGNS TO CLOSE THE EXISTING SIDEWALK ON THE RIGHT SIDE OF NC 24/27 (-L-) AND DIRECT ALL PEDESTRIAN TRAFFIC TO UTILIZE THE PROPOSED SIDEWALK ON THE LEFT SIDE OF NC 24/27 (-L-) (SEE SHEETS TCP-10 TO TCP-14).
- NOTE: TRAFFIC IS NOW IN A TWO-LANE, TWO-WAY TRAFFIC PATTERN ON THE LEFT SIDE OF NEWLY COMPLETED NC-24/27 (-L-) FROM STA. 15+00 +/- -L- TO STA. 63+00 +/- -L- AND PEDESTRIAN TRAFFIC IS UTILIZING THE PROPOSED SIDEWALKS ON THE LEFT SIDE OF US 24/27 (-L-)(SEE SHEETS TCP-10 TO TCP-15A).

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PHASE II

PROJ. REFERENCE NO.	SHEET NO.
R-2107B	TCP-3A

THE CONTRACTOR MAY (WITH THE ENGINEER'S APPROVAL) UTILIZE FLAGGERS AND MILLING & PAVING OPERATIONS TO CONSTRUCT THE PROPOSED RIGHT SIDE OF THE INTERSECTION OF NC 24/27 (-L-) & US 220 ALT (-Y3-) FROM STA. 21+00 +/- -L- TO STA. 22+25 +/- -L- OR MAY CLOSE THE SOUTH SIDE OF THE INTERSECTION AS DESCRIBED IN PHASE II, STEP 1A BELOW. HOWEVER, THE CONTRACTOR SHALL WORK PHASE II, STEP 1 AND STEP 1A (IF SELECTED) SIMULTANEOUSLY.

STEP 1: - THE FOLLOWING NOTES ARE APPLICABLE FOR PHASE II, STEP 1.

- NOTE: CONTRACTOR SHALL PLACE TRAFFIC BACK INTO THE EXISTING/TEMPORARY PATTERN AS SHOWN IN THE TRAFFIC CONTROL PLAN AT THE END OF EACH WORK PERIOD.
- NOTE: CONTRACTOR SHALL PLACE TYPE III BARRICADES & DRUMS AT ALL -Y- LINES AND DRUMS AT ALL DRIVEWAYS TO KEEP PROPOSED WIDENING CLOSED TO TRAFFIC.
- NOTE: WHEN CONSTRUCTING DRAINAGE STRUCTURES ADJACENT TO TRAFFIC, INSTALL TEMPORARY STEEL PLATES, AS DIRECTED BY THE ENGINEER. MAY WORK EACH LOCATION INDEPENDENTLY OR CONCURRENTLY, UNLESS OTHERWISE DIRECTED BY THE ENGINEER. WORK IN A CONTINUOUS MANNER TO PERFORM THE WORK IN THE FOLLOWING SEQUENCE, STEPS 'A' THRU 'E'.
 - A: CLOSE THE APPROPRIATE TRAVEL LANE TO TRAFFIC USING ROADWAY STANDARD DRAWING NO. 1101.02 SHEETS 1, 2 & 3 OF 9.
 - B: CONSTRUCT PROPOSED STRUCTURE OR INSTALL PRE-CAST DRAINAGE STRUCTURE AS SHOWN IN THE CONSTRUCTION PLANS AND COVER WITH STEEL PLATES TO PROTECT STRUCTURE DURING CURING.
 - C: OPEN TRAVEL LANE TO EXISTING TRAFFIC PATTERN BY THE END OF EACH WORK PERIOD.
 - D: WHEN PROPERLY CURED, CLOSE THE APPROPRIATE TRAVEL LANE USING ROADWAY STANDARD DRAWING NO. 1101.02, SHEETS 1, 2 & 3 OF 9. BACKFILL & PAVE, IF REQUIRED, UP TO THE EDGE AND ELEVATION OF EXISTING PAVEMENT (SEE CONSTRUCTION PLANS).
 - E: OPEN TRAVEL LANE TO EXISTING TRAFFIC PATTERN BY THE END OF THE WORK PERIOD.

- CONTRACTOR SHALL, USING ROADWAY STANDARD DRAWING NO. 1101.02, SHEET 1, 2 & 3 OF 9:
 - CONTINUE INSTALLATION OF PROPOSED/REVISED RAILROAD SIGNAL EQUIPMENT (SEE CONSTRUCTION PLANS AND RAILROAD SIGNAL PLANS).
 - REMOVE & RESET WATER FILLED BARRIER AND INSTALL ADDITIONAL WATER FILLED BARRIER ALONG THE RIGHT SIDE OF THE TEMPORARY TWO-LANE, TWO-WAY TRAFFIC PATTERN OF THE NEWLY COMPLETED NC 24/27 (-L-)(SEE SHEETS TCP-11 TO TCP-15).

ONCE WATER FILLED BARRIER IS INSTALLED THE CONTRACTOR SHALL, USING ROADWAY STANDARD DRAWING NO. 1101.02, SHEET 1, 2 & 3 OF 9:

- CONSTRUCT (UTILIZING MILLING, PAVING & WEDGING OPERATIONS) THE RIGHT SIDE OF PROPOSED WIDENING NC 24/27 (-L-) FROM STA. 15+00 +/- -L- TO STA. 63+00 +/- -L- [INCLUDING *OAK STREET (SR 1605/-Y4-), *PINE STREET (SR 1591/-Y6-), *MAPLE STREET (-Y7-), *CEDAR STREET (-Y9-), *McCASKILL STREET (SR 1577/-Y10-), ALL **DRIVEWAYS, PROPOSED CURB & GUTTER, PROPOSED DRAINAGE AND PROPOSED SIDEWALKS] UP TO, BUT NOT INCLUDING THE FINAL LAYER OF SURFACE COURSE (SEE CONSTRUCTION PLANS AND SHEETS TCP-11 TO TCP-15).

NOTE: THE CONTRACTOR MAY (WITH THE ENGINEER'S APPROVAL) UTILIZE FLAGGERS AND MILLING & PAVING OPERATIONS TO CONSTRUCT THE PROPOSED RIGHT SIDE OF THE INTERSECTION OF NC 24/27 (-L-) & US 220 ALT (-Y3-) FROM STA. 21+00 +/- -L- TO STA. 22+25 +/- -L- OR MAY CLOSE THE SOUTH SIDE OF THE INTERSECTIONS AS DESCRIBED IN PHASE II, STEP 1A BELOW.

*NOTE: WITH THE ENGINEER'S APPROVAL THE CONTRACTOR MAY CLOSE ONLY ONE -Y- LINE AT A TIME TO CONSTRUCT PROPOSED NC 24/27 (-L-) AND TIE-IN. THE ROAD CLOSURE WILL ONLY BE ALLOWED FOR THREE (3) DAYS PER -Y- LINE. SEE SHEET TCP-16 FOR TYPICAL DETOUR SETUP AND SIGNING.

**NOTE: WITH THE ENGINEER'S APPROVAL THE CONTRACTOR MAY ADJUST THE WATER FILLED BARRIER TO MAINTAIN ACCESS TO ALL DRIVEWAYS.

DURING CONSTRUCTION THE CONTRACTOR MAY REMOVE THE WATER FILLED BARRIER (REPLACE WITH DRUMS) ONCE PAVEMENT REMOVAL & PAVING OPERATIONS ARE COMPLETED, AS DIRECTED BY THE ENGINEER.

- INSTALL REVISED SIGNALS AT THE INTERSECTION OF NC 24/27 (-L-) & US 220 ALT (-Y2-/-Y3-) AND THE INTERSECTION OF NC 24/27 (-L-) & PROPOSED DRIVE/MCCASKILL (SR 1577/-Y10-) FOR FINAL TRAFFIC PATTERNS (SEE SIGNAL PLANS AND SHEET PM-2 & PM-5).
- CONSTRUCT (UTILIZING ALTERNATING TRAFFIC PATTERN SHIFTS WITH MILLING/PAVING & WEDGING OPERATIONS) PROPOSED WIDENING OF US 220 ALT (-Y3-)(INCLUDING, IF NOT COMPLETED IN PHASE I, STEP 3, PROPOSED CURB & GUTTER, PROPOSED DRAINAGE AND PROPOSED SIDEWALKS), UP TO, BUT NOT INCLUDING THE FINAL LAYER OF SURFACE COURSE (SEE CONSTRUCTION PLANS AND SHEET TCP-11 & TCP-11A).
- PLACE TEMPORARY PAVEMENT MARKINGS (PAINT) AND TEMPORARY RAISED PAVEMENT MARKERS ON NEWLY COMPLETED WIDENING RIGHT SIDE OF NC 24/27 (-L-) AND ALL -Y- LINES FROM STA. 15+00 +/- -L- TO STA. 63+00 +/- -L-, AS MUCH AS POSSIBLE, WITHOUT INTERFERING WITH TRAFFIC FOR THE FINAL TRAFFIC PATTERN (SEE SHEETS TCP-17 TO TCP-20 & PM-4).

IF SELECTED THE CONTRACTOR SHALL WORK IN A CONTINUOUS MANNER TO COMPLETE THE WORK IN PHASE II, STEP 1A FROM 8:00 PM FRIDAY TO 6:00 AM MONDAY (SEE INTERMEDIATE CONTRACT TIME AND SPECIAL PROVISIONS)

STEP 1A: - CONSTRUCTION OF PROPOSED TIE-IN OF THE INTERSECTION OF NC 24/27 (-L-) AND US 220 ALT (-Y3-).

1. CONTRACTOR SHALL, USING ROADWAY STANDARD DRAWING NO. 1101.03, SHEET 2 OF 9 AND OFF-SITE DETOUR DETAIL (SEE SHEET TCP-22), CLOSE US 220 ALT (-Y3-) TO TRAFFIC.

NOTE: INSTALL TYPE III BARRICADES TO CLOSE CHURCH STREET AT THE INTERSECTION WITH US 220 ALT (-Y3-).
2. UTILIZE MILLING & PAVING OPERATIONS TO CONSTRUCT THE PROPOSED RIGHT SIDE OF THE INTERSECTION OF NC 24/27 (-L-) & US 220 ALT (-Y3-) FROM STA. 21+00 +/- -L- TO STA. 22+25 +/- -L- UP TO, BUT NOT INCLUDING THE FINAL LAYER OF SURFACE COURSE (SEE CONSTRUCTION PLANS) WITH TEMPORARY TIE-INS TO US 220 ALT (-Y3-)(AS DIRECTED BY THE ENGINEER) AND PLACE TEMPORARY PAVEMENT MARKINGS (PAINT) & INSTALL TEMPORARY RAISED PAVEMENT MARKERS FOR EXISTING PATTERN.
3. OPEN US 220 ALT (-Y3-) TO TRAFFIC.

CONTRACTOR MAY WORK PHASE II, STEP 2 AND STEP 3 SIMULTANEOUSLY AS DIRECTED BY THE ENGINEER.

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

STEP 2: - CONTRACTOR SHALL, USING ROADWAY STANDARD DRAWING NO. 1101.02, SHEET 1, 2 & 3 OF 9:

- PLACE REMAINDER OF TEMPORARY PAVEMENT MARKINGS (PAINT) AND TEMPORARY RAISED PAVEMENT MARKERS ON NEWLY COMPLETED WIDENING OF RIGHT SIDE OF NC 24/27 (-L-) AND ALL -Y- LINES FROM STA. 15+00 +/- -L- TO STA. 63+00 +/- -L-, ACTIVATE REVISED SIGNALS AT THE INTERSECTIONS OF NC 24/27 (-L-) & US 220 ALT (-Y2-/-Y3-) AND NC 24/27 (-L-) & PROPOSED DRIVE/MCCASKILL STREET (SR 1577/-Y10-), AND SHIFT TRAFFIC TO THE FINAL TWO-LANE, ONE-WAY TRAFFIC PATTERN FOR EASTBOUND (RIGHT SIDE) NC 24/27 (-L-) (SEE SIGNAL PLANS AND SHEETS TCP-17 TO TCP-20 & PM-4).

NOTE: KEEP WESTBOUND (LEFT SIDE) NC 24/27 (-L-) IN A ONE-LANE, ONE-WAY TRAFFIC PATTERN BY INSTALLING DRUMS ALONG THE DOUBLE YELLOW CENTER LINE.

- OPEN PROPOSED SIDEWALKS ON RIGHT SIDE OF NC 24/27 (-L-) TO PEDESTRIAN TRAFFIC.

NOTE: TRAFFIC IS NOW IN A TWO-LANE, ONE-WAY TRAFFIC PATTERN ON THE NEWLY COMPLETED EASTBOUND (RIGHT SIDE) NC-24/27 (-L-), & A ONE-LANE, ONE-WAY TRAFFIC PATTERN ON WESTBOUND (LEFT SIDE) NC 24/27 (-L-) FROM STA. 15+00 +/- -L- TO STA. 63+00 +/- -L-, AND PEDESTRIAN TRAFFIC IS UTILIZING PROPOSED SIDEWALKS ON BOTH SIDES OF US 24/27 (-L-) (SEE SHEETS PM-1 TO PM-6).

CONTRACTOR SHALL WORK IN A CONTINUOUS MANNER TO COMPLETE THE WORK OF PHASE II, STEP 3 IN ONE WORK PERIOD.

STEP 3: - CONTRACTOR SHALL, USING ROADWAY STANDARD DRAWING NO. 1101.02, SHEET 1, 2 & 3 OF 9:

- REMOVE EXISTING PAVEMENT MARKINGS & MARKERS ON THE LEFT SIDE OF NC 24/27 (-L-) AND PLACE TEMPORARY PAVEMENT MARKINGS (PAINT) & INSTALL TEMPORARY RAISED PAVEMENT MARKERS FOR THE FINAL TWO-LANE, ONE-WAY TRAFFIC PATTERN AND ALL -Y- LINES FROM STA. 15+00 +/- -L- TO STA. 63+00 +/- -L- FOR WESTBOUND (LEFT SIDE) NC 24/27 (-L-) AND OPEN TO TRAFFIC (SEE SHEETS TCP-17 TO TCP-20 & PM-4).

NOTE: TRAFFIC IS NOW IN THE FINAL TRAFFIC PATTERN FOR NC-24/27 (-L-) AND ALL -Y- LINES FROM STA. 15+00 +/- -L- TO STA. 63+00 +/- -L-, AND PEDESTRIAN TRAFFIC IS UTILIZING PROPOSED SIDEWALKS ON BOTH SIDES OF US 24/27 (-L-) (SEE SHEETS PM-1 TO PM-6).

PHASE III

CONTRACTOR SHALL MAINTAIN A MINIMUM TWO-LANE, TWO-WAY DIVIDED TEMPORARY TRAFFIC PATTERN, AS DIRECTED BY THE ENGINEER, WHEN UTILIZING LANE CLOSURES TO CONSTRUCT PROPOSED CONCRETE ISLANDS, PAVE THE FINAL LAYER OF SURFACE COURSE, PLACE THE FINAL PAVEMENT MARKINGS THERMOPLASTIC ON ASPHALT & COLD APPLIED PLASTIC ON EXISTING STRUCTURE) AND INSTALL SNOWPLOWABLE RAISED PAVEMENT MARKERS/PERMANENT RAISED PAVEMENT MARKERS ON NC 24/27 (-L-).

STEP 1: - THE FOLLOWING NOTES ARE APPLICABLE FOR PHASE III, STEP 1.

NOTE: CONTRACTOR MAY UTILIZE CONES OR SKINNY DRUMS VS DRUMS WHEN CONSTRUCTING THE PROPOSED CONCRETE ISLANDS, PAVING THE FINAL LAYER OF SURFACE COURSE. HOWEVER, DRUMS SHALL BE UTILIZED TO DELINEATE THE TRAVELWAY WHEN TRAFFIC IS PLACED BACK IN THE TEMPORARY TRAFFIC PATTERN AT THE END OF EACH WORK PERIOD.

- CONTRACTOR SHALL, USING ROADWAY STANDARD DRAWING NO. 1101.02, SHEET 1, 2 & 3 OF 9:

- CONSTRUCT PROPOSED CONCRETE ISLANDS ON NC 24/27 (-L-) AND COMPLETE INSTALLATION OF PROPOSED/REVISED RAILROAD SIGNAL EQUIPMENT (SEE CONSTRUCTION PLANS, RAILROAD SIGNAL PLANS AND SHEETS TCP-17 TO TCP-20).

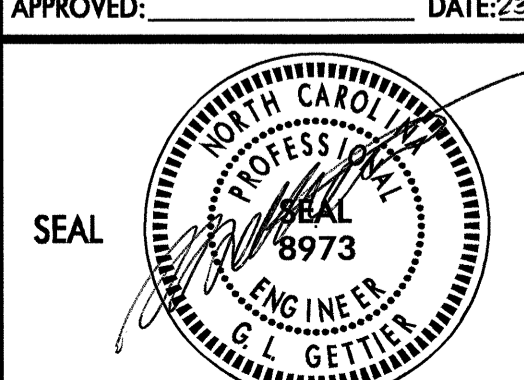
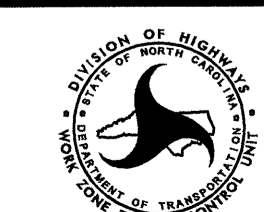
- PLACE THE FINAL LAYER OF SURFACE COURSE, PLACE FINAL PAVEMENT MARKINGS (THERMOPLASTIC ON ASPHALT/COLD APPLIED PLASTIC ON EXISTING BRIDGE) & INSTALL SNOWPLOWABLE PERMANENT MARKERS/PERMANENT RAISED PAVEMENT MARKERS FOR NC 24/27 (-L-) AND ALL -Y- LINES (SEE CONSTRUCTION PLANS AND SHEETS PM-1 TO PM-6).

NOTE: AS DIRECTED BY THE ENGINEER, THE CONTRACTOR MAY INSTALL SNOWPLOWABLE PAVEMENT MARKERS/PERMANENT RAISED PAVEMENT MARKERS WHEN PLACING THE FINAL PAVEMENT MARKINGS (THERMOPLASTIC/COLD APPLIED PLASTIC) OR AS A SEPARATE OPERATION USING ROADWAY STANDARD DRAWING NO. 1101.02, SHEET 1, 2 & 3 OF 9.

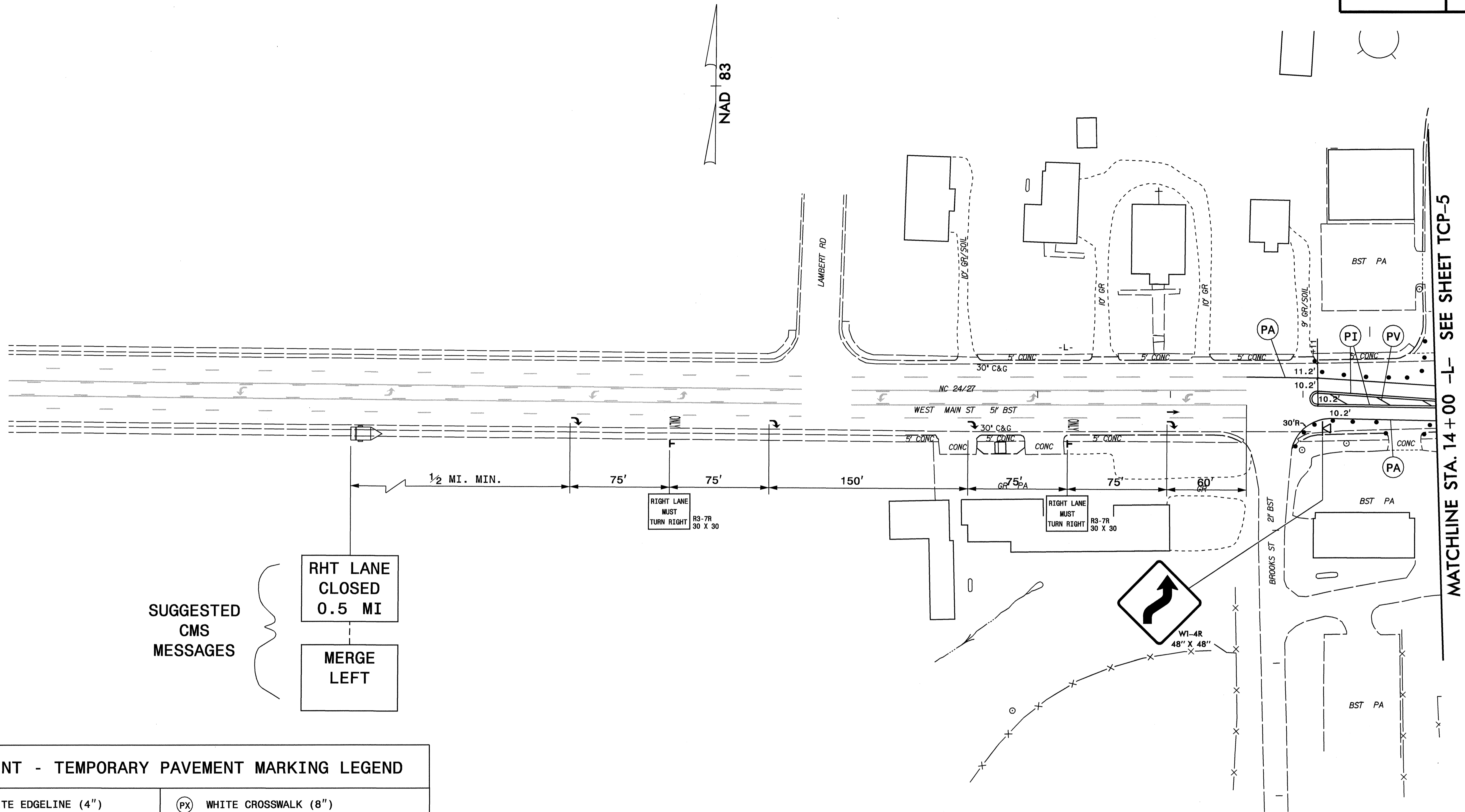
- OPEN NC 24/27 (-L-) AND ALL -Y- LINES TO THE FINAL TRAFFIC PATTERN (SEE SHEETS PM-1 TO PM-6).

STEP 2: - CONTRACTOR SHALL REMOVE ALL TRAFFIC CONTROL DEVICES FROM THE PROJECT.

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PAINT - TEMPORARY PAVEMENT MARKING LEGEND

(PA) WHITE EDGELINE (4")	(PX) WHITE CROSSWALK (8")
(PB) YELLOW EDGELINE (4")	(P3) RAILROAD CROSSBUCK (16")
(PC) 10 FT. WHITE SKIP (4")	(P4) WHITE STOPBAR (24")
(PD) 2 FT. WHITE MINISKIP (4")	(QA) (LEFT ARROW)
(PE) WHITE SOLID LANE LINE (4")	(QB) (RIGHT ARROW)
(PF) 10' YELLOW SKIP (4")	(QC) (STRAIGHT ARROW)
(PH) YELLOW SINGLE CENTER (4")	(QD) (COMBO STRAIGHT LEFT ARROW)
(PI) YELLOW DOUBLE CENTER (4")	(QE) (COMBO STRAIGHT RIGHT ARROW)
(PR) WHITE GORELINE (8")	(QI) ONLY (ALPHANEUMERIC CHARACTER)
(PQ) WHITE DIAGONAL (8")	
(PV) YELLOW DIAGONAL (8")	

NOTES:

1. SEE ROADWAY STANDARD DRAWING NUMBERS 1250.01 AND 1251.01 FOR PAVEMENT MARKER SPACING AND TEMPORARY RAISED PAVEMENT MARKERS.

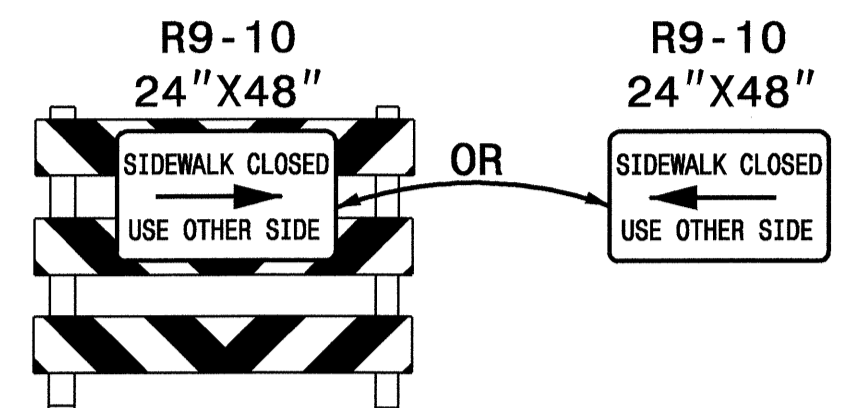
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MATCHLINE STA. 14+00 -L- SEE SHEET TCP-5

PAINT - TEMPORARY PAVEMENT MARKING LEGEND

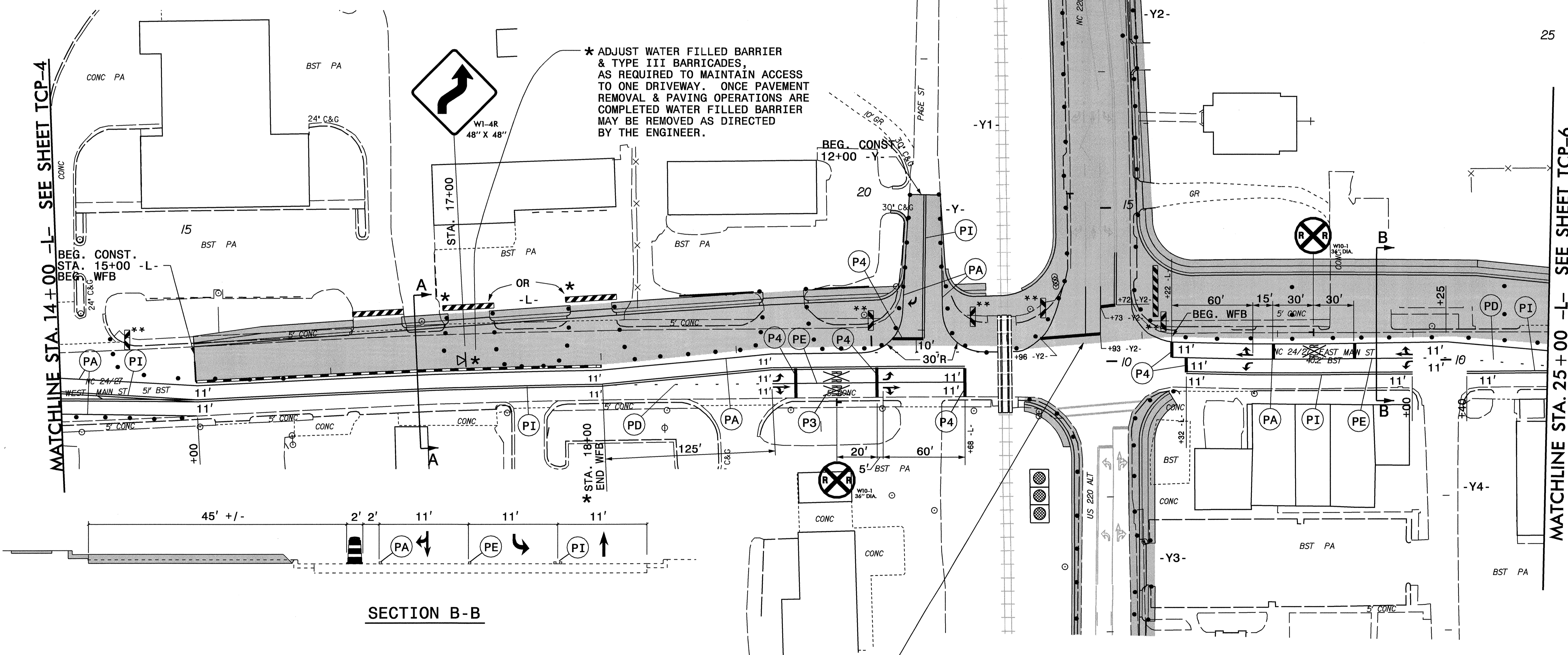
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|---------------------------------|-------------------------------------|
| (PA) WHITE EDGELINE (4") | (PX) WHITE CROSSWALK (8") |
| (PB) YELLOW EDGELINE (4") | (P3) RAILROAD CROSSBUCK (16") |
| (PC) 10 FT. WHITE SKIP (4") | (P4) WHITE STOPBAR (24") |
| (PD) 2 FT. WHITE MINISKIP (4") | (QA) (LEFT ARROW) |
| (PE) WHITE SOLID LANE LINE (4") | (QB) (RIGHT ARROW) |
| (PF) 10' YELLOW SKIP (4") | (QC) (STRAIGHT ARROW) |
| (PH) YELLOW SINGLE CENTER (4") | (QD) (COMBO STRAIGHT LEFT ARROW) |
| (PI) YELLOW DOUBLE CENTER (4") | (QE) (COMBO STRAIGHT RIGHT ARROW) |
| (PR) WHITE GORELINE (8") | (QI) ONLY (ALPHANEUMERIC CHARACTER) |
| (PQ) WHITE DIAGONAL (8") | |
| (PV) YELLOW DIAGONAL (8") | |



** TYPE III BARRICADE

NOTES:

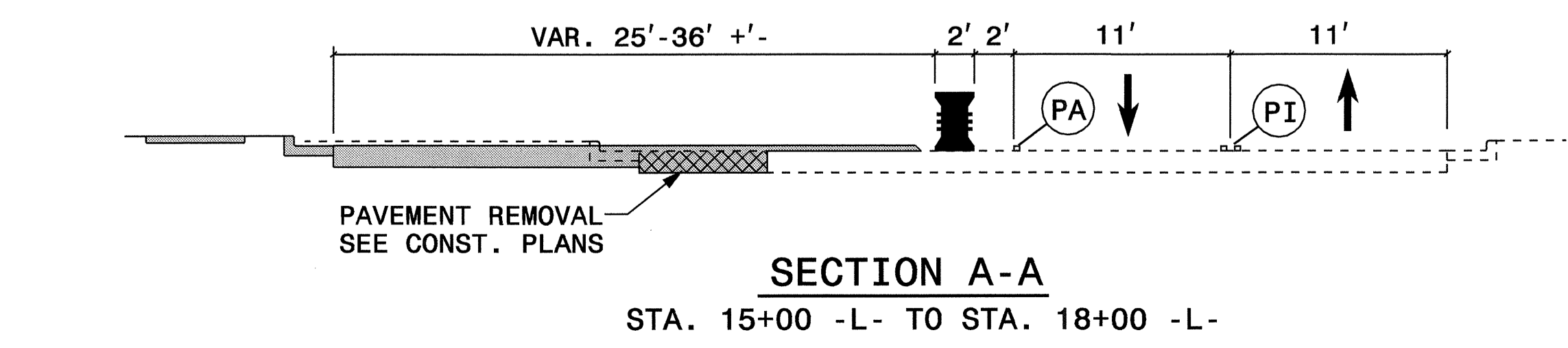
1. SEE ROADWAY STANDARD DRAWING NUMBERS 1250.01 AND 1251.01 FOR PAVEMENT MARKER SPACING AND TEMPORARY RAISED PAVEMENT MARKERS.



* ADJUST WATER FILLED BARRIER & TYPE III BARRICADES, AS REQUIRED TO MAINTAIN ACCESS TO ONE DRIVEWAY. ONCE PAVEMENT REMOVAL & PAVING OPERATIONS ARE COMPLETED WATER FILLED BARRIER MAY BE REMOVED AS DIRECTED BY THE ENGINEER.

MATCHLINE STA. 14+00 -L- SEE SHEET TCP-4

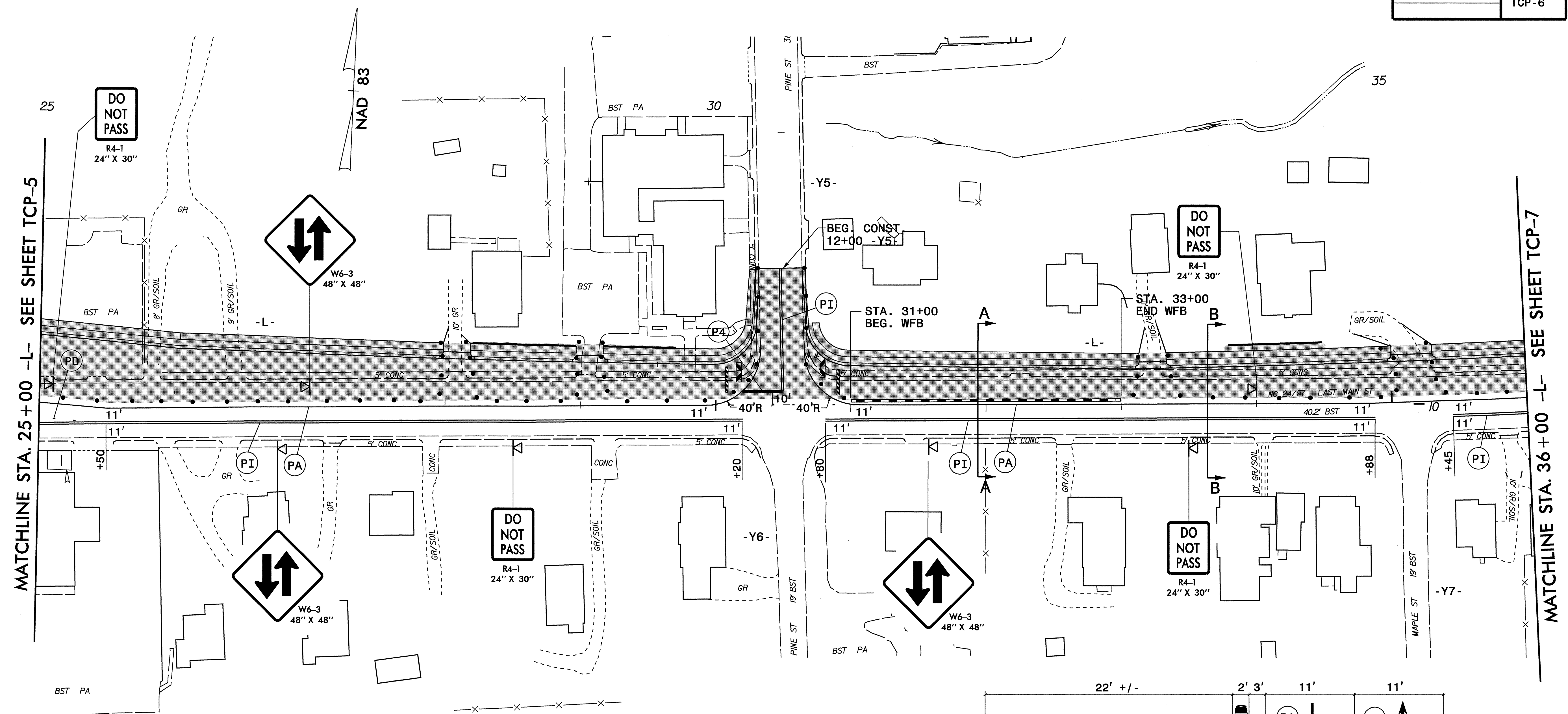
MATCHLINE STA. 25+00 -L- SEE SHEET TCP-6



CONSTRUCTION OPTION (WITH ENGINEER'S APPROVAL) SEE PHASE 1, STEP 3A.

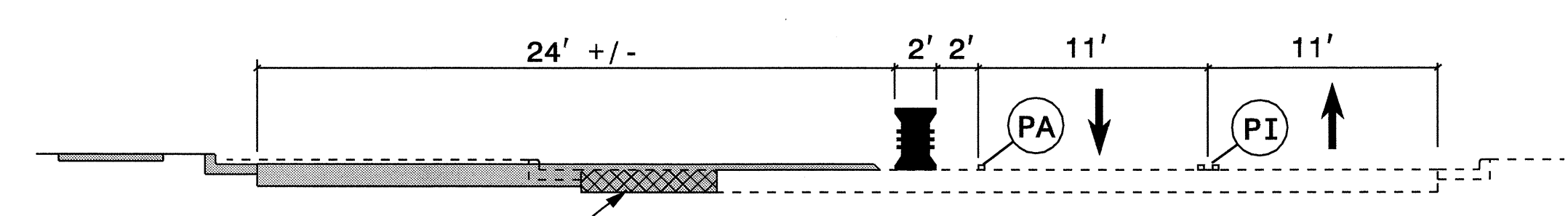
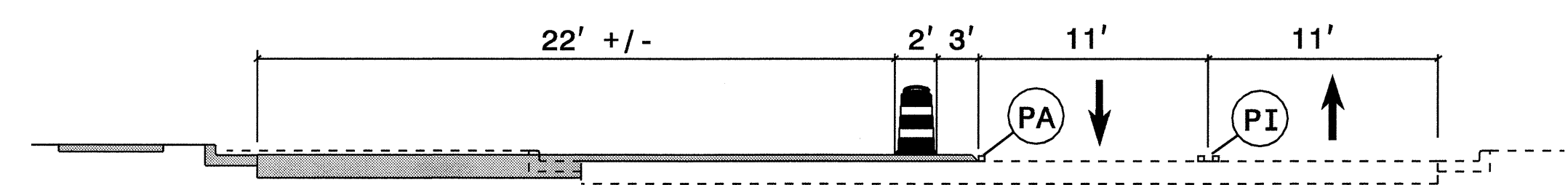
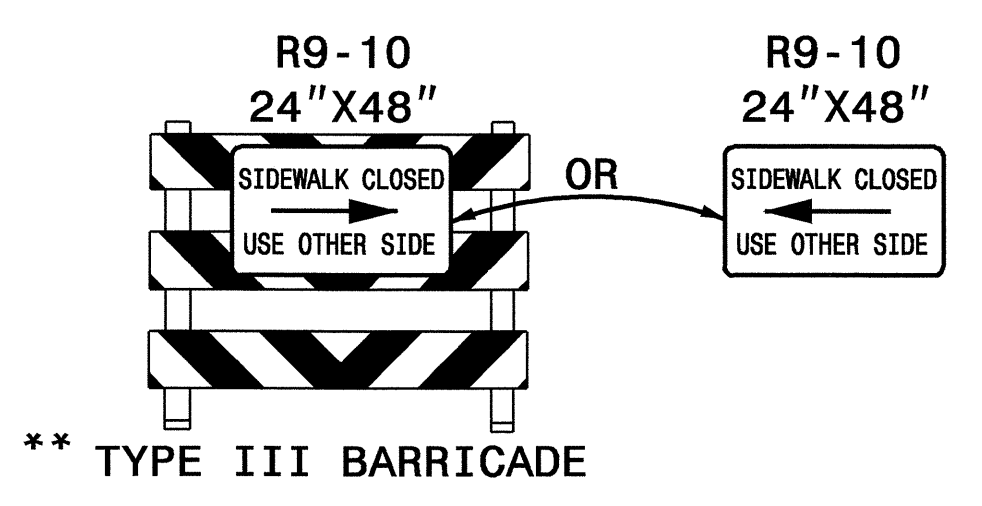
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PAINT - TEMPORARY PAVEMENT MARKING LEGEND

(PA) WHITE EDGELINE (4")	(PX) WHITE CROSSWALK (8")
(PB) YELLOW EDGELINE (4")	(P3) RAILROAD CROSSBUCK (16")
(PC) 10 FT. WHITE SKIP (4")	(P4) WHITE STOPBAR (24")
(PD) 2 FT. WHITE MINISKIP (4")	(QA) ↶ (LEFT ARROW)
(PE) WHITE SOLID LANE LINE (4")	(QB) ↷ (RIGHT ARROW)
(PF) 10' YELLOW SKIP (4")	(QC) → (STRAIGHT ARROW)
(PH) YELLOW SINGLE CENTER (4")	(QD) ↶→ (COMBO STRAIGHT LEFT ARROW)
(PI) YELLOW DOUBLE CENTER (4")	(QE) →↷ (COMBO STRAIGHT RIGHT ARROW)
(PR) WHITE GORELINE (8")	(QI) ONLY (ALPHANEUMERIC CHARACTER)
(PQ) WHITE DIAGONAL (8")	
(PV) YELLOW DIAGONAL (8")	



NOTES:
 1. SEE ROADWAY STANDARD DRAWING NUMBERS 1250.01 AND 1251.01 FOR PAVEMENT MARKER SPACING AND TEMPORARY RAISED PAVEMENT MARKERS.

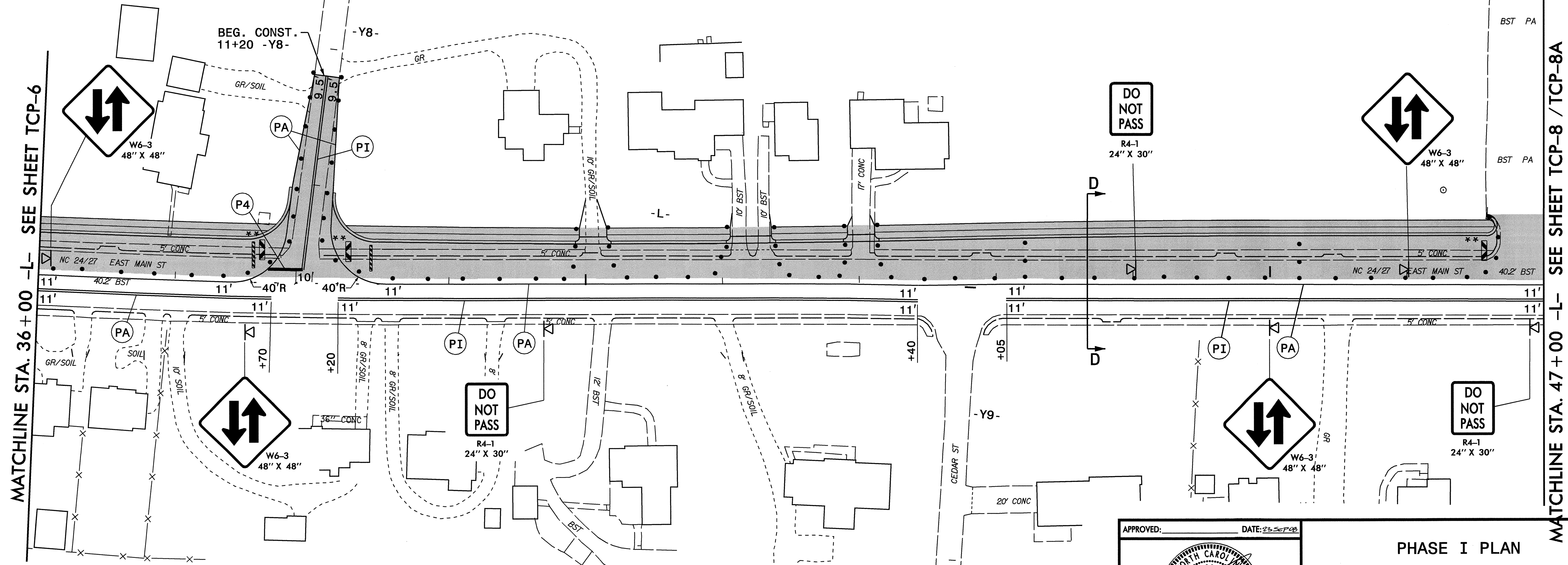
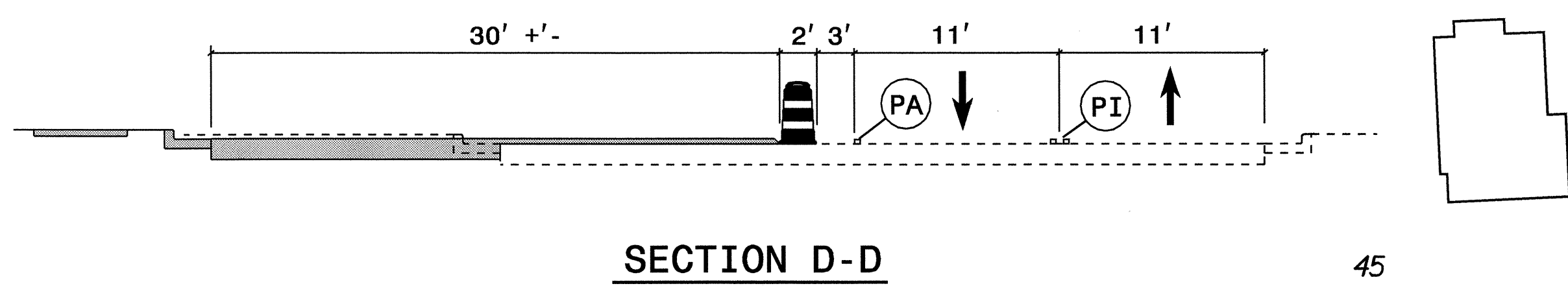
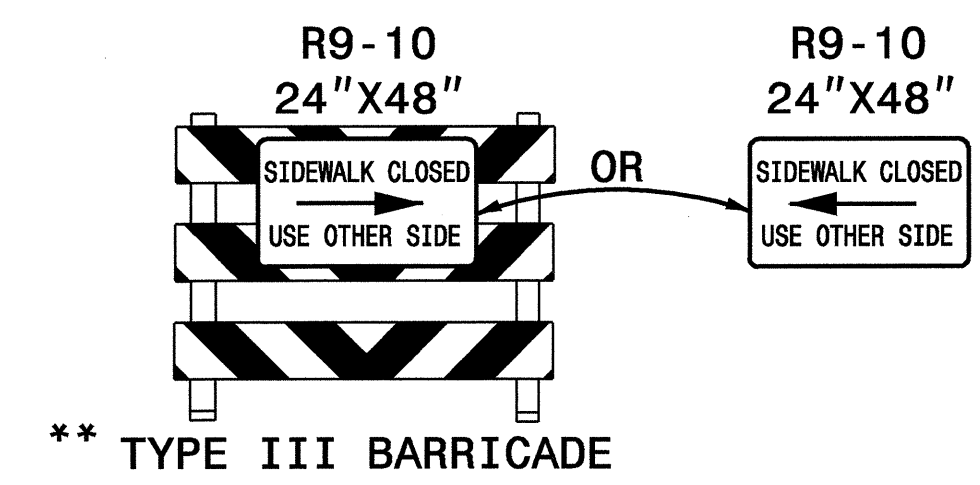
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PAINT - TEMPORARY PAVEMENT MARKING LEGEND

(PA) WHITE EDGELINE (4")	(PX) WHITE CROSSWALK (8")
(PB) YELLOW EDGELINE (4")	(P3) RAILROAD CROSSBUCK (16")
(PC) 10 FT. WHITE SKIP (4")	(P4) WHITE STOPBAR (24")
(PD) 2 FT. WHITE MINISKIP (4")	(QA) (LEFT ARROW)
(PE) WHITE SOLID LANE LINE (4")	(QB) (RIGHT ARROW)
(PF) 10' YELLOW SKIP (4")	(QC) (STRAIGHT ARROW)
(PH) YELLOW SINGLE CENTER (4")	(QD) (COMBO STRAIGHT LEFT ARROW)
(PI) YELLOW DOUBLE CENTER (4")	(QE) (COMBO STRAIGHT RIGHT ARROW)
(PR) WHITE GORELINE (8")	(QT) ONLY (ALPHANEUMERIC CHARACTER)
(PQ) WHITE DIAGONAL (8")	
(PV) YELLOW DIAGONAL (8")	

NOTES:
1. SEE ROADWAY STANDARD DRAWING NUMBERS 1250.01 AND 1251.01 FOR PAVEMENT MARKER SPACING AND TEMPORARY RAISED PAVEMENT MARKERS.



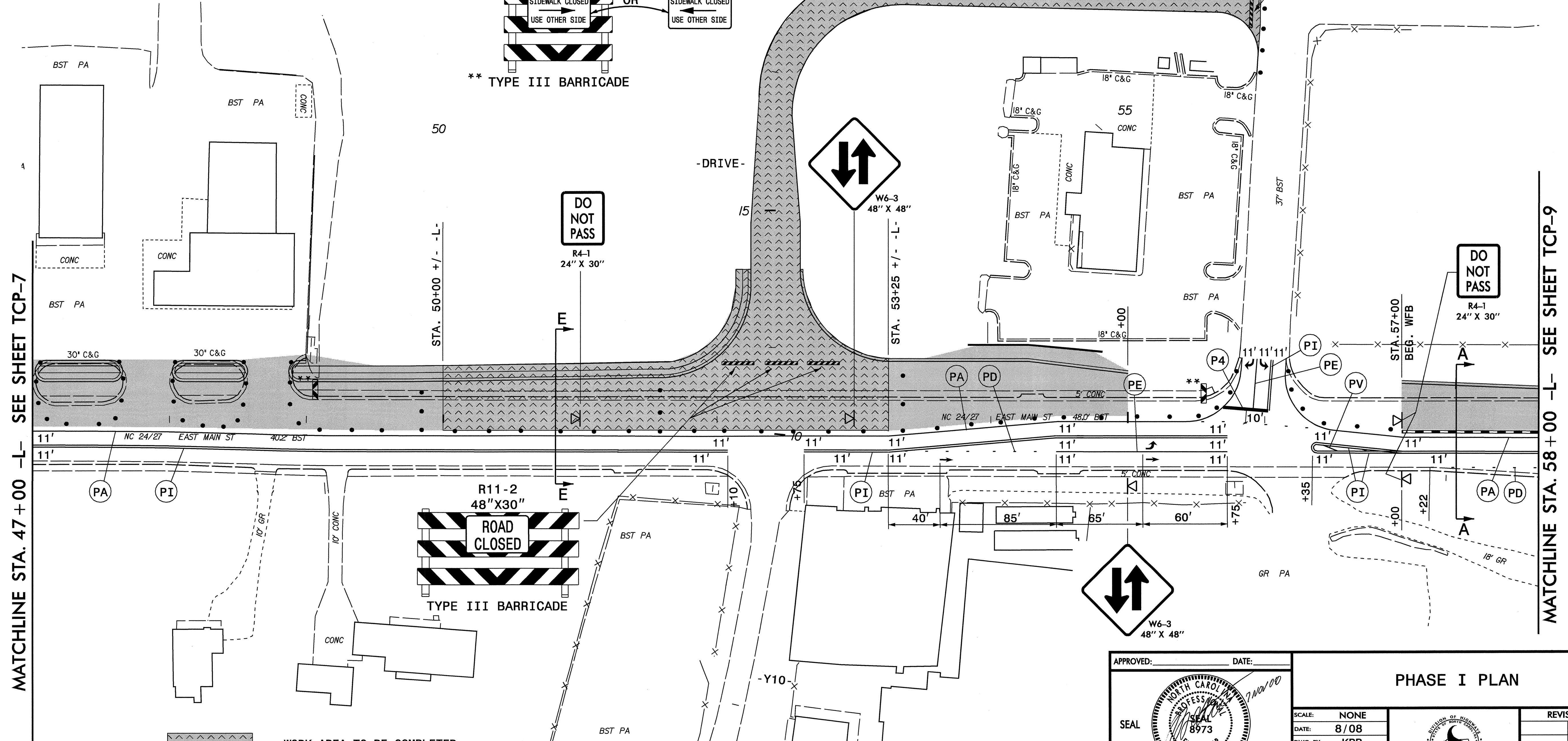
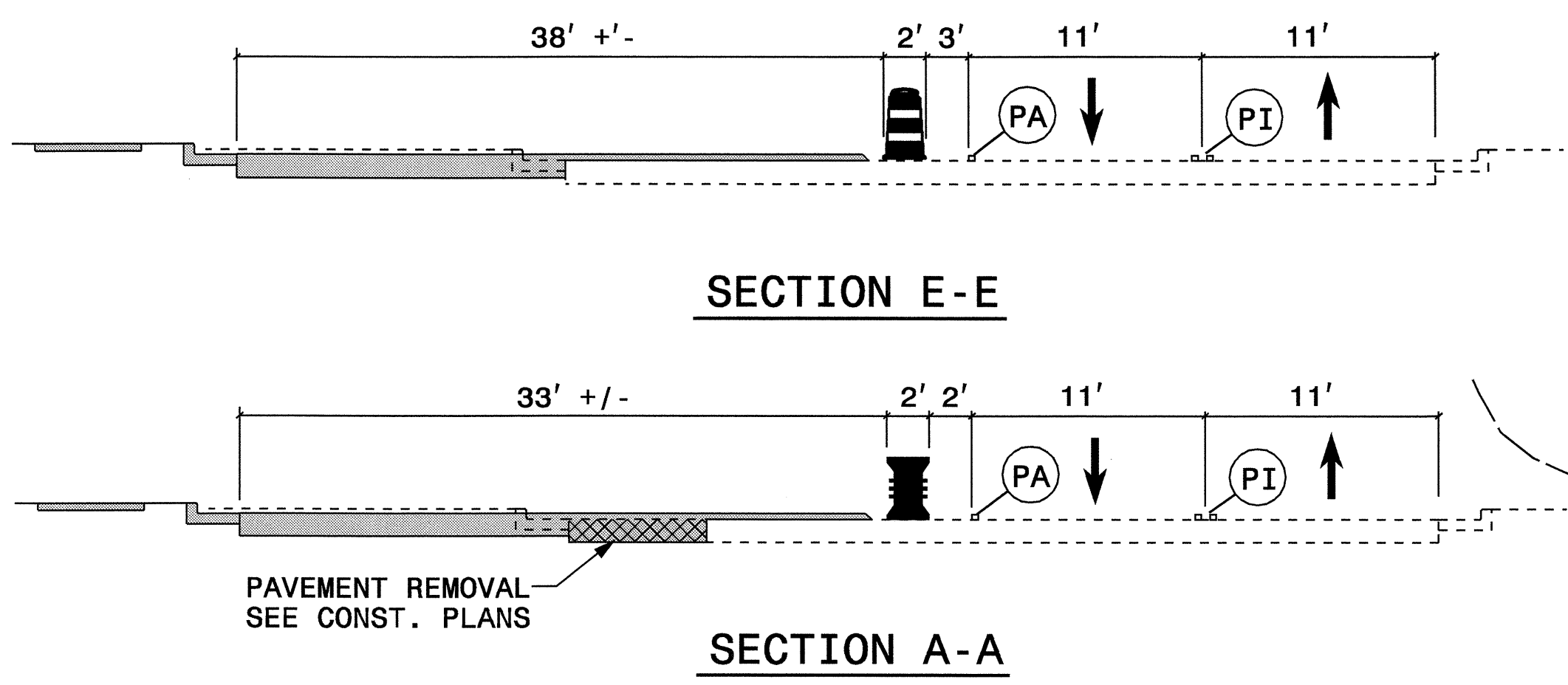
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PAINT - TEMPORARY PAVEMENT MARKING LEGEND

(PA) WHITE EDGELINE (4")	(PX) WHITE CROSSWALK (8")
(PB) YELLOW EDGELINE (4")	(P3) RAILROAD CROSSBUCK (16")
(PC) 10 FT. WHITE SKIP (4")	(P4) WHITE STOPBAR (24")
(PD) 2 FT. WHITE MINISKIP (4")	(QA) ↶ (LEFT ARROW)
(PE) WHITE SOLID LANE LINE (4")	(QB) ↷ (RIGHT ARROW)
(PF) 10' YELLOW SKIP (4")	(QC) → (STRAIGHT ARROW)
(PH) YELLOW SINGLE CENTER (4")	(QD) ↶↷ (COMBO STRAIGHT LEFT ARROW)
(PI) YELLOW DOUBLE CENTER (4")	(QE) ↷↶ (COMBO STRAIGHT RIGHT ARROW)
(PR) WHITE GORELINE (8")	(QI) ONLY (ALPHANEUMERIC CHARACTER)
(PO) WHITE DIAGONAL (8")	
(PV) YELLOW DIAGONAL (8")	

NOTES:
1. SEE ROADWAY STANDARD DRAWING NUMBERS 1250.01 AND 1251.01 FOR PAVEMENT MARKER SPACING AND TEMPORARY RAISED PAVEMENT MARKERS.



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DATE: 8/08	
DWG. BY: KPB	
DESIGN BY: KPB	
REVIEWED BY: JWG	

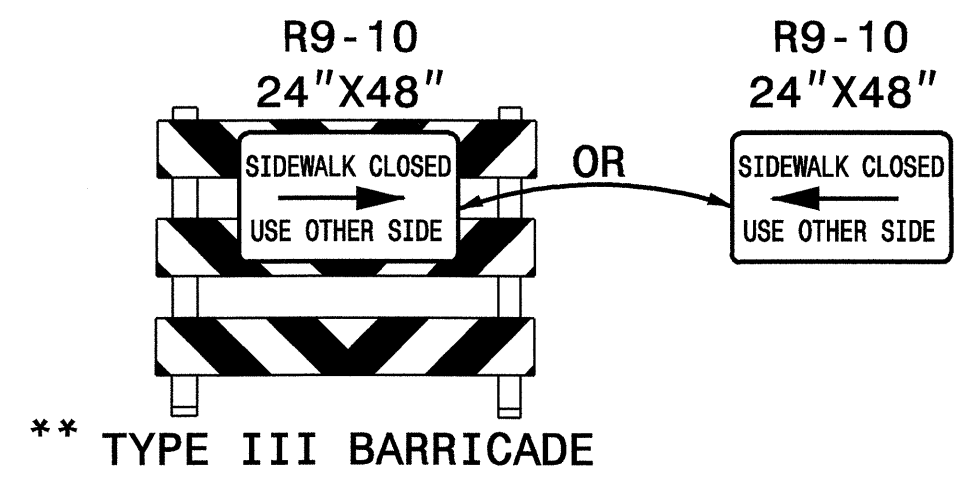
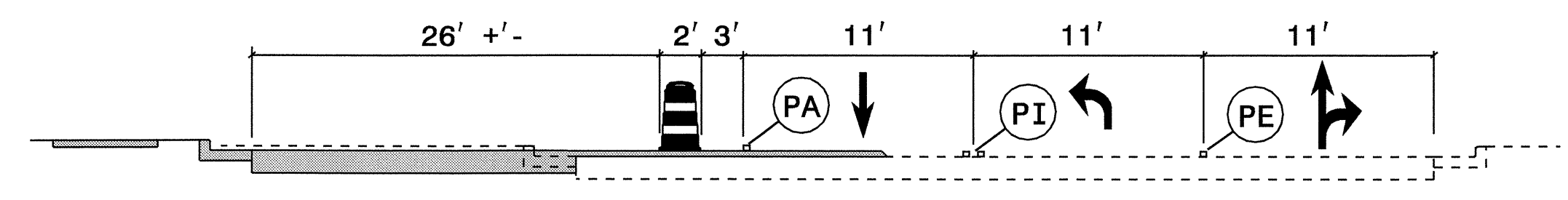
MATCHLINE STA. 58 + 00 -L- SEE SHEET TCP-9

PAINT - TEMPORARY PAVEMENT MARKING LEGEND

(PA) WHITE EDGELINE (4")	(PX) WHITE CROSSWALK (8")
(PB) YELLOW EDGELINE (4")	(P3) RAILROAD CROSSBUCK (16")
(PC) 10 FT. WHITE SKIP (4")	(P4) WHITE STOPBAR (24")
(PD) 2 FT. WHITE MINISKIP (4")	(QA) ↶ (LEFT ARROW)
(PE) WHITE SOLID LANE LINE (4")	(QB) ↷ (RIGHT ARROW)
(PF) 10' YELLOW SKIP (4")	(QC) → (STRAIGHT ARROW)
(PH) YELLOW SINGLE CENTER (4")	(QD) ↶↷ (COMBO STRAIGHT LEFT ARROW)
(PI) YELLOW DOUBLE CENTER (4")	(QE) ↷↶ (COMBO STRAIGHT RIGHT ARROW)
(PR) WHITE GORELINE (8")	(QI) ONLY (ALPHANEUMERIC CHARACTER)
(PQ) WHITE DIAGONAL (8")	
(PV) YELLOW DIAGONAL (8")	

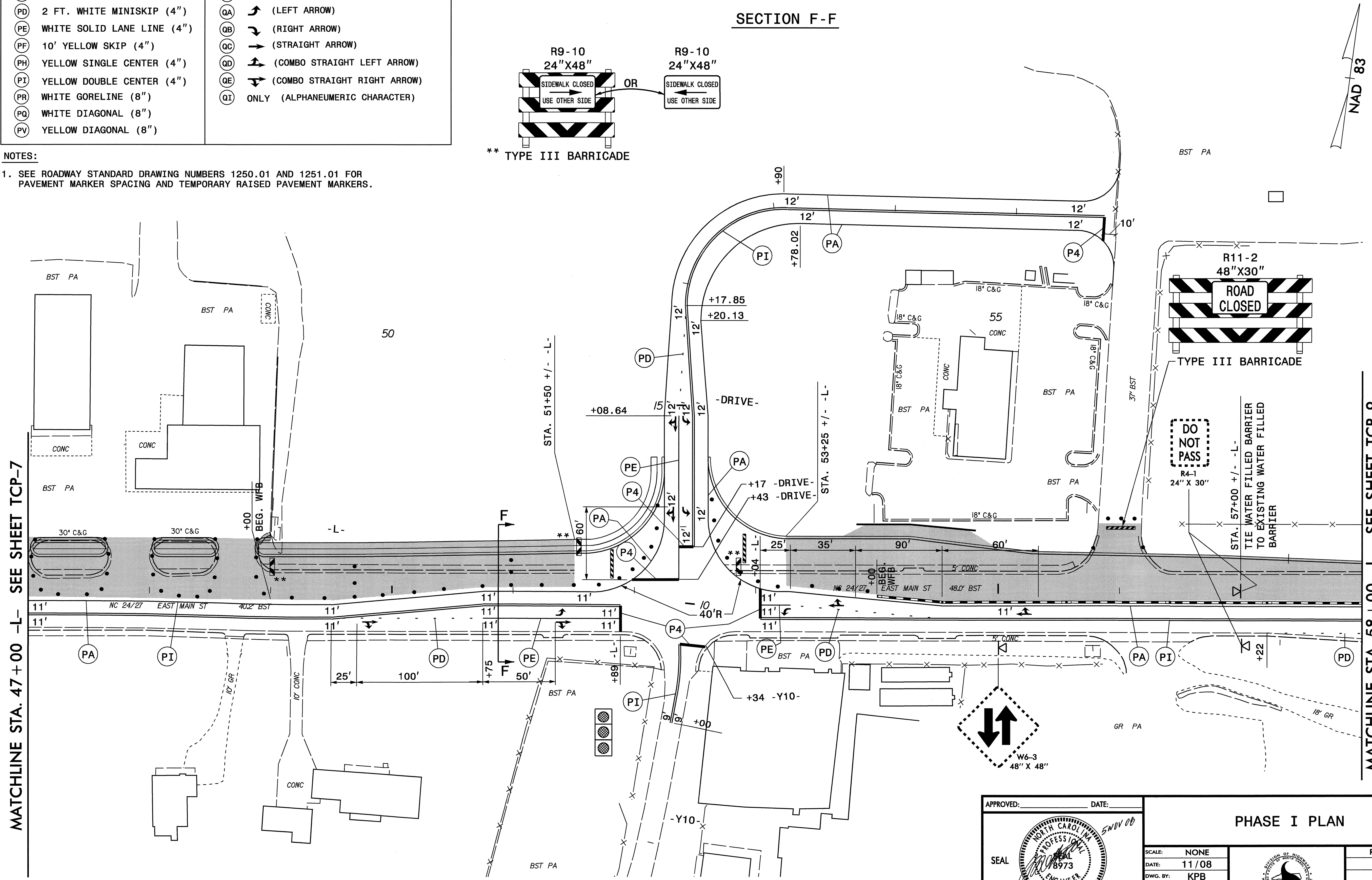
NOTES:

1. SEE ROADWAY STANDARD DRAWING NUMBERS 1250.01 AND 1251.01 FOR PAVEMENT MARKER SPACING AND TEMPORARY RAISED PAVEMENT MARKERS.



MATCHLINE STA. 47 + 00 -L- SEE SHEET TCP-7

MATCHLINE STA. 58 + 00 -L- SEE SHEET TCP-9



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Xbradwell AT WZ123745

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SCALE: NONE

DATE: 11/08

DWG. BY: KPB

DESIGN BY: KPB

REVIEWED BY: JWG

PHASE I PLAN

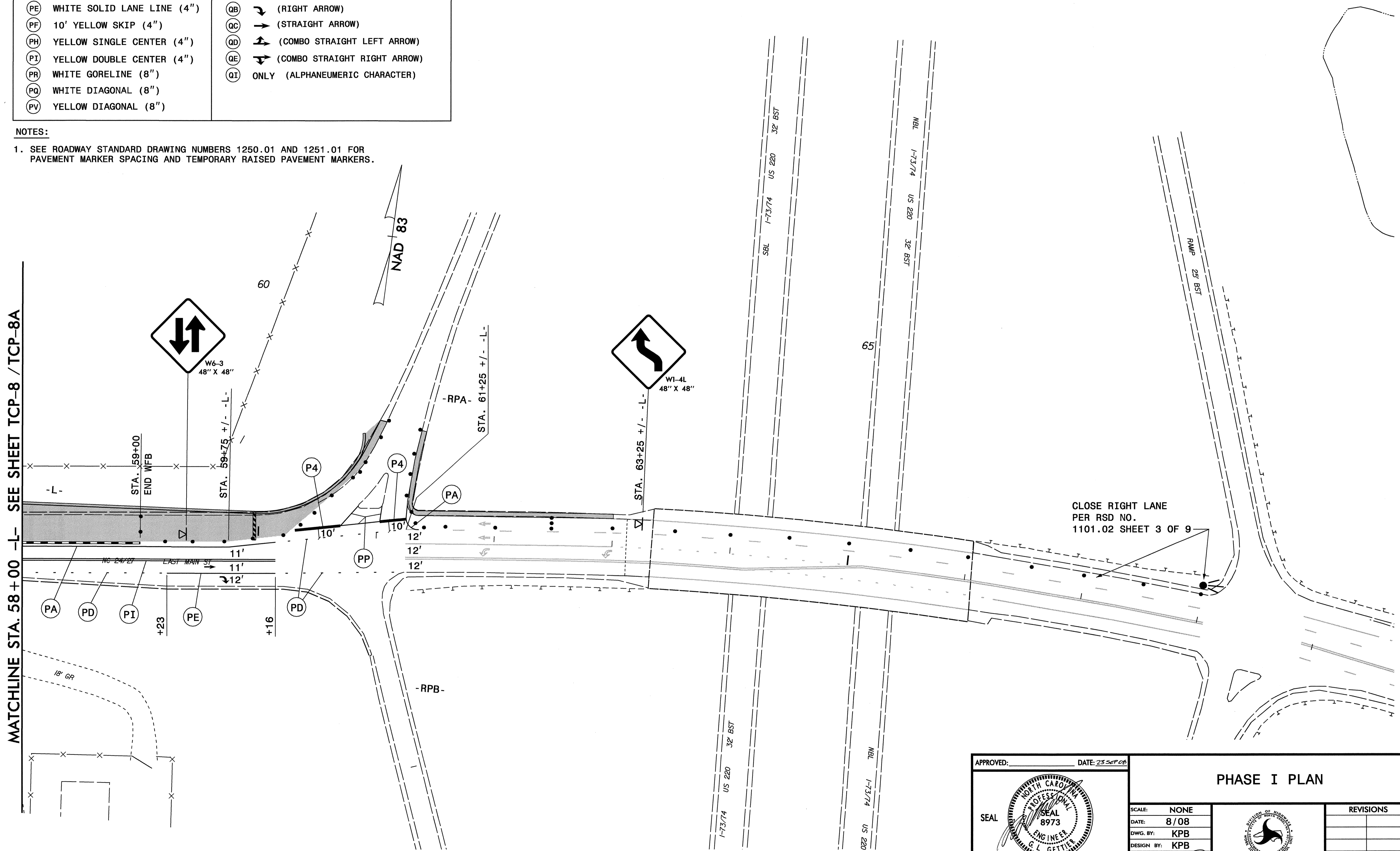
REVISIONS	

PAINT - TEMPORARY PAVEMENT MARKING LEGEND

PA WHITE EDGELINE (4")	PX WHITE CROSSWALK (8")
PB YELLOW EDGELINE (4")	P3 RAILROAD CROSSBUCK (16")
PC 10 FT. WHITE SKIP (4")	P4 WHITE STOPBAR (24")
PD 2 FT. WHITE MINISKIP (4")	QA (LEFT ARROW)
PE WHITE SOLID LANE LINE (4")	QB (RIGHT ARROW)
PF 10' YELLOW SKIP (4")	QC (STRAIGHT ARROW)
PH YELLOW SINGLE CENTER (4")	QD (COMBO STRAIGHT LEFT ARROW)
PI YELLOW DOUBLE CENTER (4")	QE (COMBO STRAIGHT RIGHT ARROW)
PR WHITE GORELINE (8")	QI ONLY (ALPHANEUMERIC CHARACTER)
PQ WHITE DIAGONAL (8")	
PV YELLOW DIAGONAL (8")	

NOTES:

1. SEE ROADWAY STANDARD DRAWING NUMBERS 1250.01 AND 1251.01 FOR PAVEMENT MARKER SPACING AND TEMPORARY RAISED PAVEMENT MARKERS.

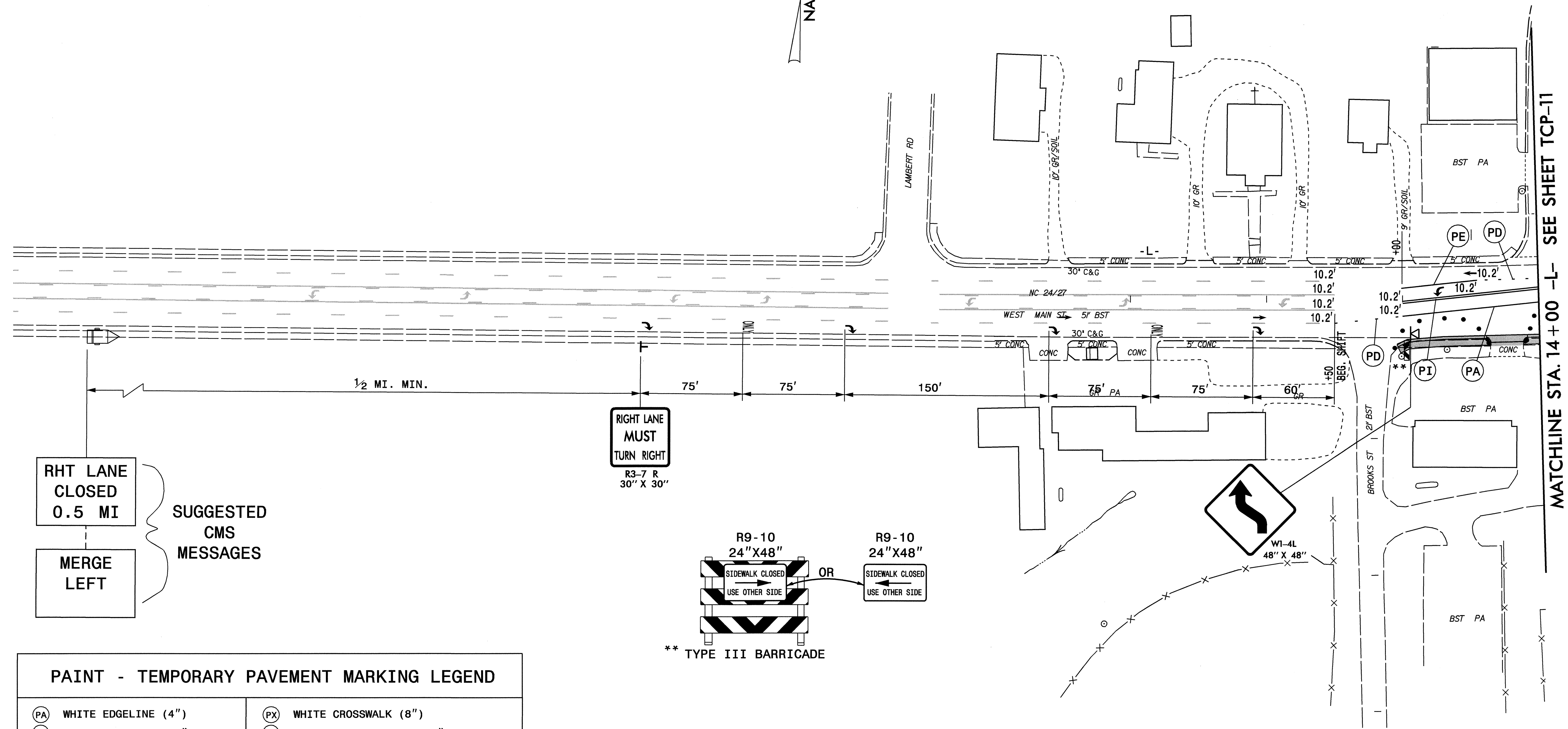
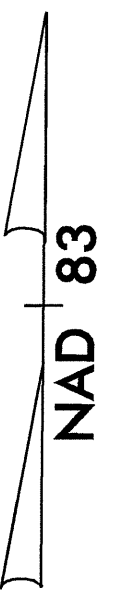


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 KBroadwell AT WZTC231451

APPROVED: _____ DATE: 23 SEP 08

PHASE I PLAN

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DATE: 8/08										
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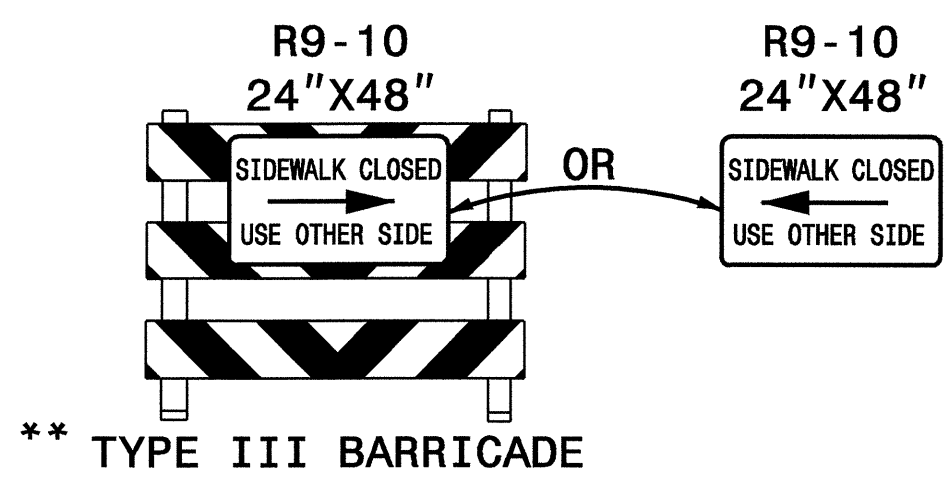


RHT LANE CLOSED 0.5 MI

MERGE LEFT

SUGGESTED CMS MESSAGES

RIGHT LANE MUST TURN RIGHT
R3-7 R
30" X 30"



PAINT - TEMPORARY PAVEMENT MARKING LEGEND	
(PA) WHITE EDGELINE (4")	(PX) WHITE CROSSWALK (8")
(PB) YELLOW EDGELINE (4")	(P3) RAILROAD CROSSBUCK (16")
(PC) 10 FT. WHITE SKIP (4")	(P4) WHITE STOPBAR (24")
(PD) 2 FT. WHITE MINISKIP (4")	(QA) (LEFT ARROW)
(PE) WHITE SOLID LANE LINE (4")	(QB) (RIGHT ARROW)
(PF) 10' YELLOW SKIP (4")	(QC) (STRAIGHT ARROW)
(PH) YELLOW SINGLE CENTER (4")	(QD) (COMBO STRAIGHT LEFT ARROW)
(PJ) YELLOW DOUBLE CENTER (4")	(QE) (COMBO STRAIGHT RIGHT ARROW)
(PR) WHITE GORELINE (8")	(QI) ONLY (ALPHANEUMERIC CHARACTER)
(PQ) WHITE DIAGONAL (8")	
(PV) YELLOW DIAGONAL (8")	

NOTES:

1. SEE ROADWAY STANDARD DRAWING NUMBERS 1250.01 AND 1251.01 FOR PAVEMENT MARKER SPACING AND TEMPORARY RAISED PAVEMENT MARKERS.

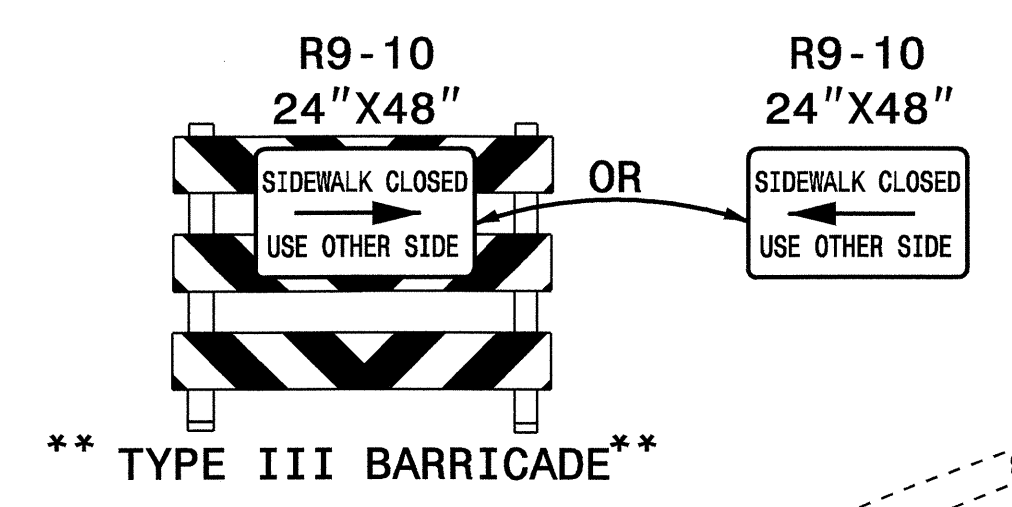
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DESIGN BY: KPB			
REVIEWED BY: JWC			

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 kbrodwell AT WZTC23745

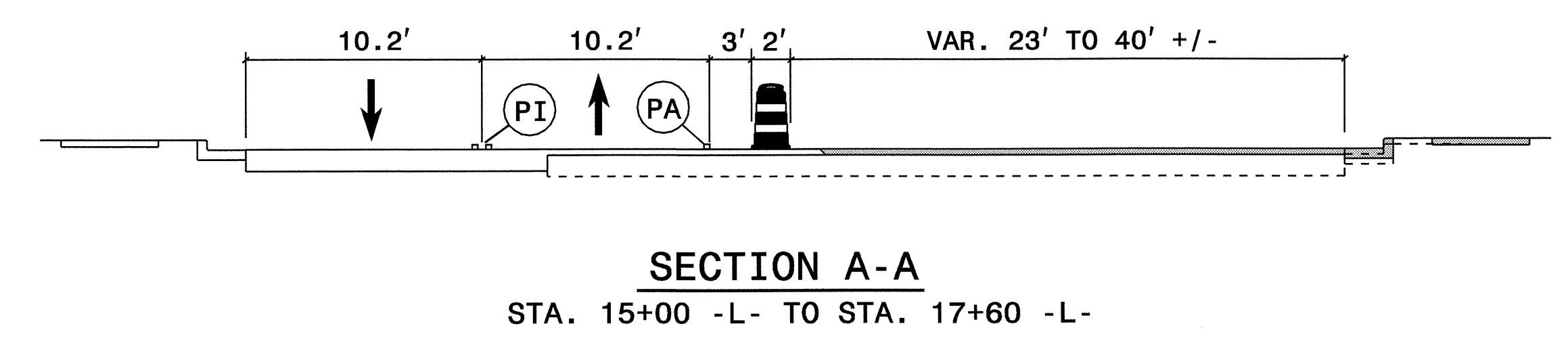
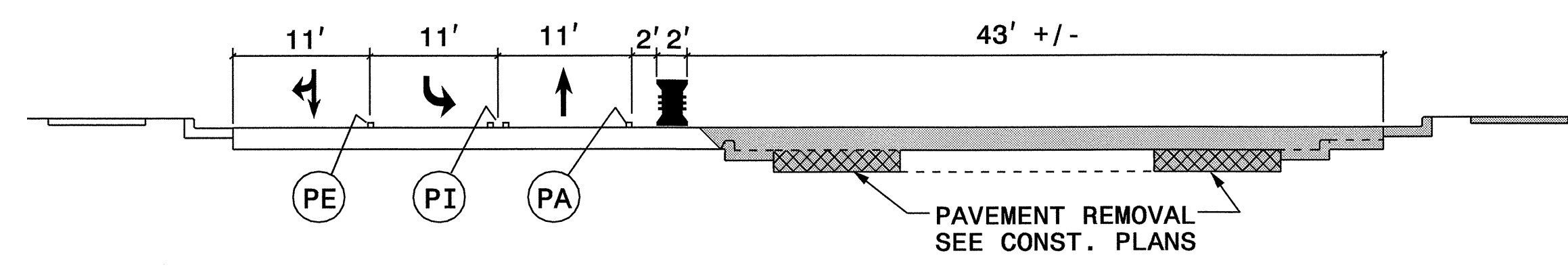
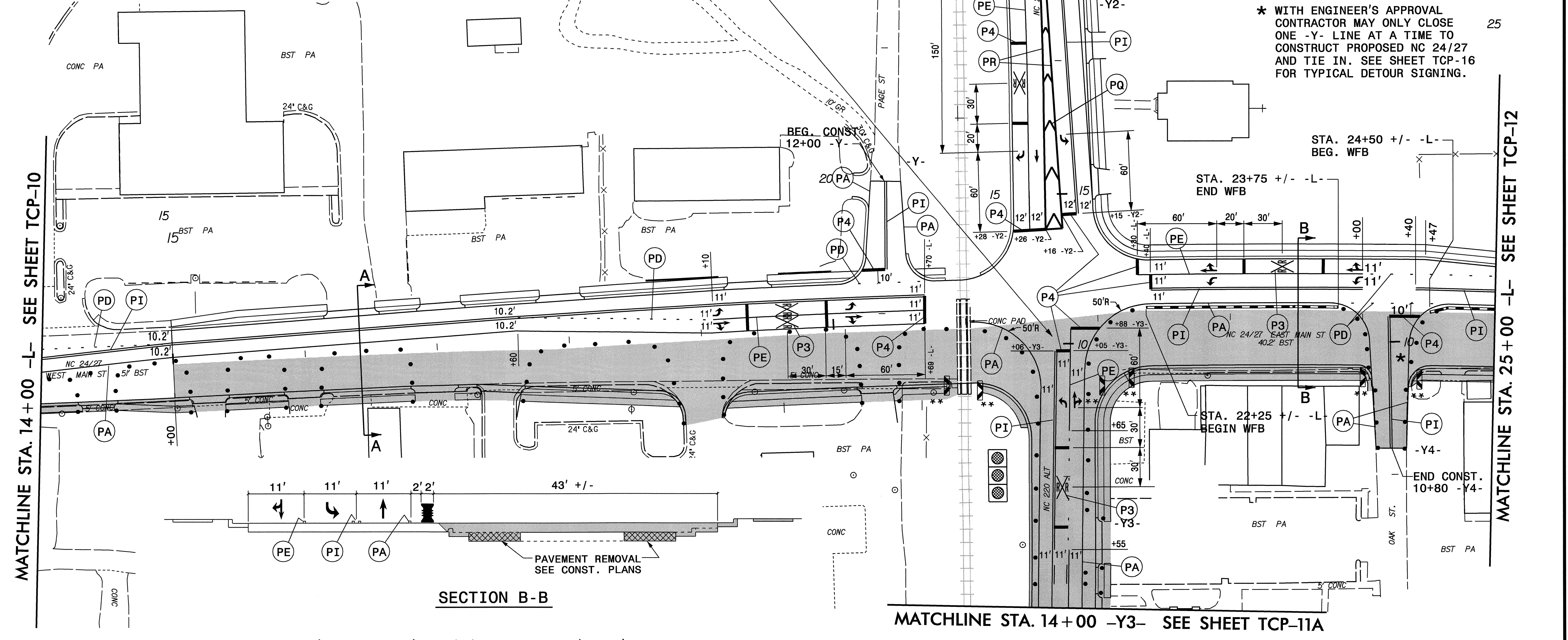
PAINT - TEMPORARY PAVEMENT MARKING LEGEND

(PA) WHITE EDGELINE (4")	(PX) WHITE CROSSWALK (8")
(PB) YELLOW EDGELINE (4")	(P3) RAILROAD CROSSBUCK (16")
(PC) 10 FT. WHITE SKIP (4")	(P4) WHITE STOPBAR (24")
(PD) 2 FT. WHITE MINISKIP (4")	(QA) ↶ (LEFT ARROW)
(PE) WHITE SOLID LANE LINE (4")	(QB) ↷ (RIGHT ARROW)
(PF) 10' YELLOW SKIP (4")	(QC) → (STRAIGHT ARROW)
(PH) YELLOW SINGLE CENTER (4")	(QD) ↶↷ (COMBO STRAIGHT LEFT ARROW)
(PI) YELLOW DOUBLE CENTER (4")	(QE) ↷↶ (COMBO STRAIGHT RIGHT ARROW)
(PR) WHITE GORELINE (8")	(QI) ONLY (ALPHANEUMERIC CHARACTER)
(PQ) WHITE DIAGONAL (8")	
(PV) YELLOW DIAGONAL (8")	

NOTES:
 1. SEE ROADWAY STANDARD DRAWING NUMBERS 1250.01 AND 1251.01 FOR PAVEMENT MARKER SPACING AND TEMPORARY RAISED PAVEMENT MARKERS.



CONSTRUCTION OPTION
 (WITH ENGINEER'S APPROVAL)
 SEE PHASE II, STEP 1A

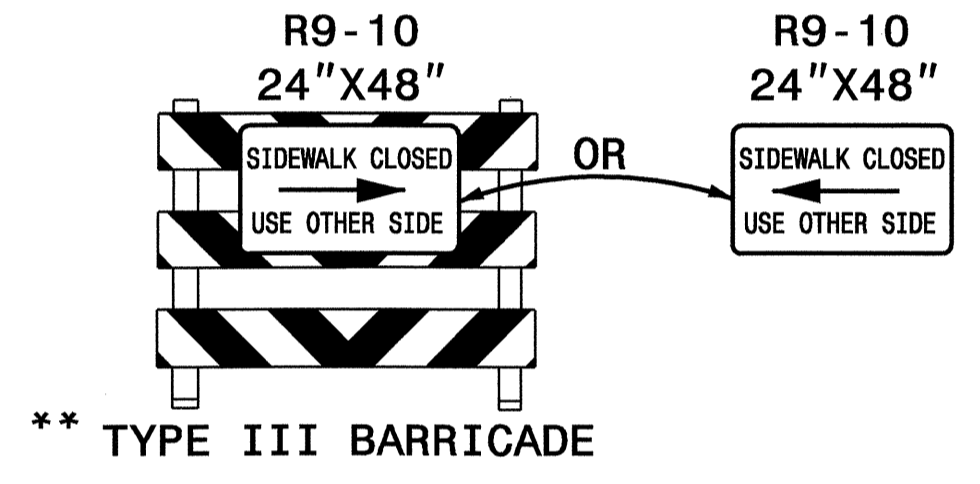


* WITH ENGINEER'S APPROVAL CONTRACTOR MAY ONLY CLOSE ONE -Y- LINE AT A TIME TO CONSTRUCT PROPOSED NC 24/27 AND TIE IN. SEE SHEET TCP-16 FOR TYPICAL DETOUR SIGNING.

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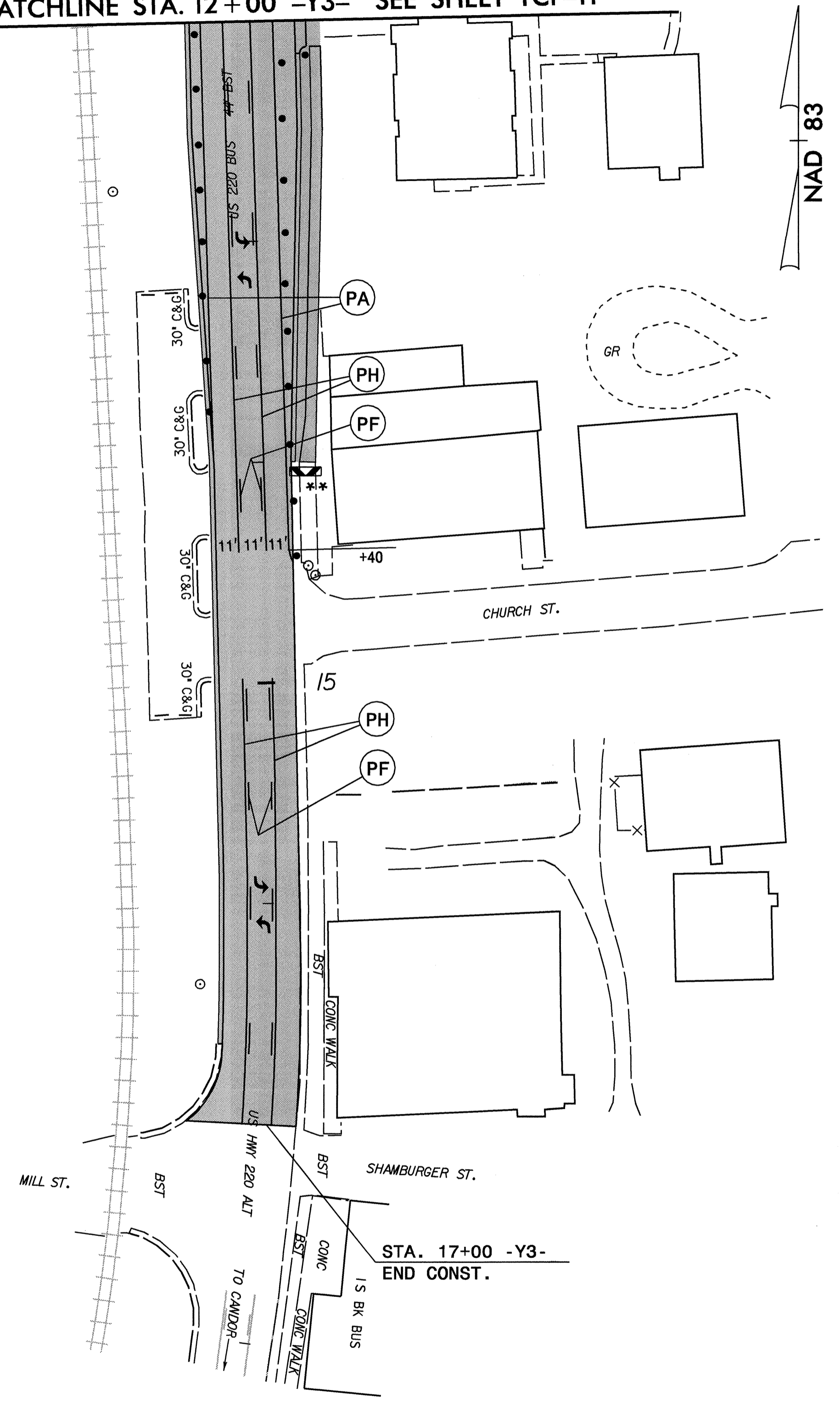
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SCALE: NONE		REVISIONS
DATE: 11/08		
DWG. BY: KP8		
DESIGN BY: KP8		
REVIEWED BY: JWG		CADD FILE

MATCHLINE STA. 12+00 -Y3- SEE SHEET TCP-11



PAINT - TEMPORARY PAVEMENT MARKING LEGEND	
(PA) WHITE EDGELINE (4")	(PX) WHITE CROSSWALK (8")
(PB) YELLOW EDGELINE (4")	(P3) RAILROAD CROSSBUCK (16")
(PC) 10 FT. WHITE SKIP (4")	(P4) WHITE STOPBAR (24")
(PD) 2 FT. WHITE MINISKIP (4")	(QA) (LEFT ARROW)
(PE) WHITE SOLID LANE LINE (4")	(QB) (RIGHT ARROW)
(PF) 10' YELLOW SKIP (4")	(QC) (STRAIGHT ARROW)
(PH) YELLOW SINGLE CENTER (4")	(QD) (COMBO STRAIGHT LEFT ARROW)
(PI) YELLOW DOUBLE CENTER (4")	(QE) (COMBO STRAIGHT RIGHT ARROW)
(PR) WHITE GORELINE (8")	(QI) ONLY (ALPHANEUMERIC CHARACTER)
(PQ) WHITE DIAGONAL (8")	
(PV) YELLOW DIAGONAL (8")	

NOTES:
 1. SEE ROADWAY STANDARD DRAWING NUMBERS 1250.01 AND 1251.01 FOR PAVEMENT MARKER SPACING AND TEMPORARY RAISED PAVEMENT MARKERS.



APPROVED: _____ DATE: 23 SEP 08

PHASE II PLAN

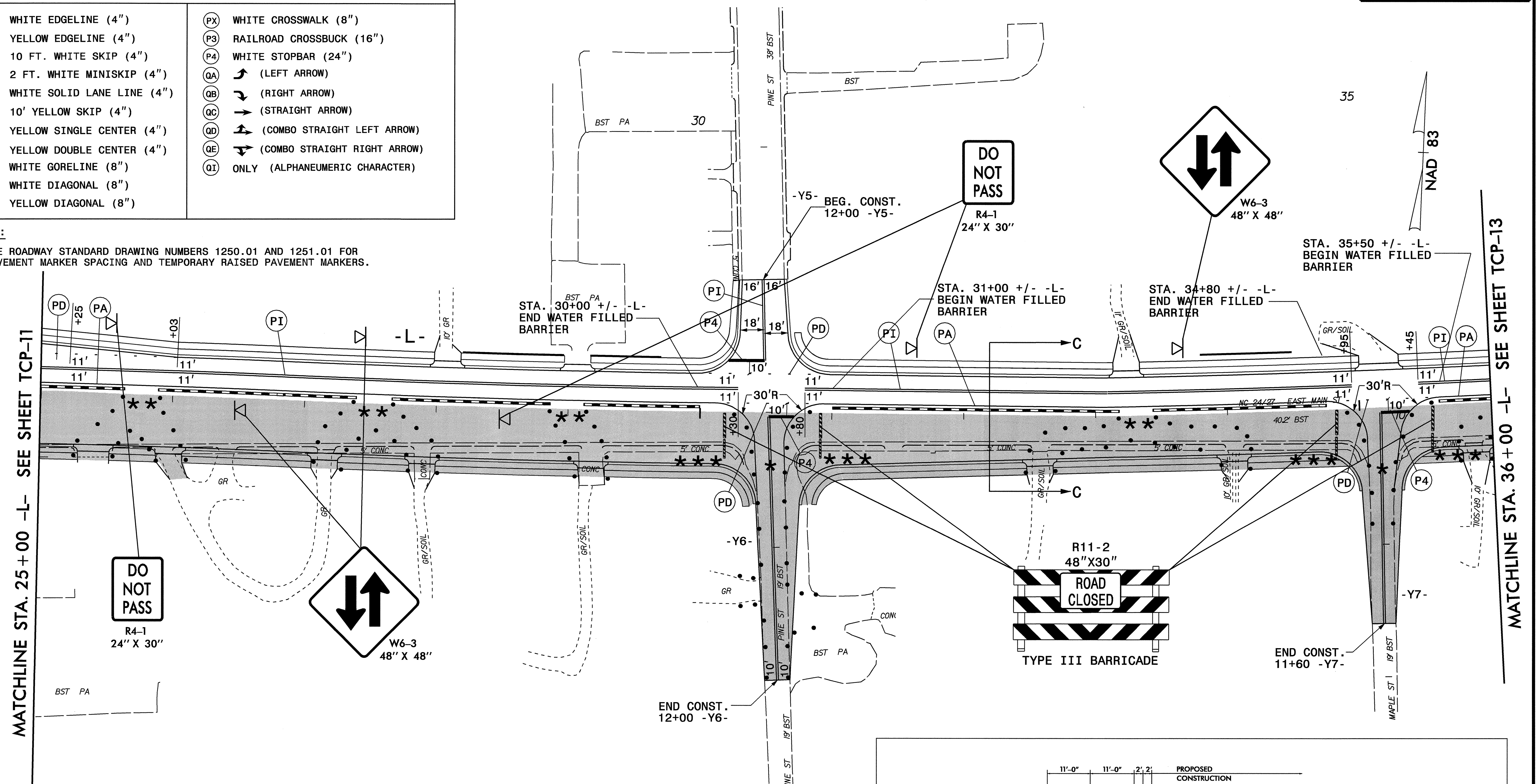
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 Kbradwell AT WZ123745

PAINT - TEMPORARY PAVEMENT MARKING LEGEND

(PA) WHITE EDGELINE (4")	(PX) WHITE CROSSWALK (8")
(PB) YELLOW EDGELINE (4")	(P9) RAILROAD CROSSBUCK (16")
(PC) 10 FT. WHITE SKIP (4")	(P4) WHITE STOPBAR (24")
(PD) 2 FT. WHITE MINISKIP (4")	(QA) ↗ (LEFT ARROW)
(PE) WHITE SOLID LANE LINE (4")	(QB) ↘ (RIGHT ARROW)
(PF) 10' YELLOW SKIP (4")	(QC) → (STRAIGHT ARROW)
(PH) YELLOW SINGLE CENTER (4")	(QD) ↗↘ (COMBO STRAIGHT LEFT ARROW)
(PI) YELLOW DOUBLE CENTER (4")	(QE) ↘↗ (COMBO STRAIGHT RIGHT ARROW)
(PR) WHITE GORELINE (8")	(QI) ONLY (ALPHANEUMERIC CHARACTER)
(PQ) WHITE DIAGONAL (8")	
(PV) YELLOW DIAGONAL (8")	

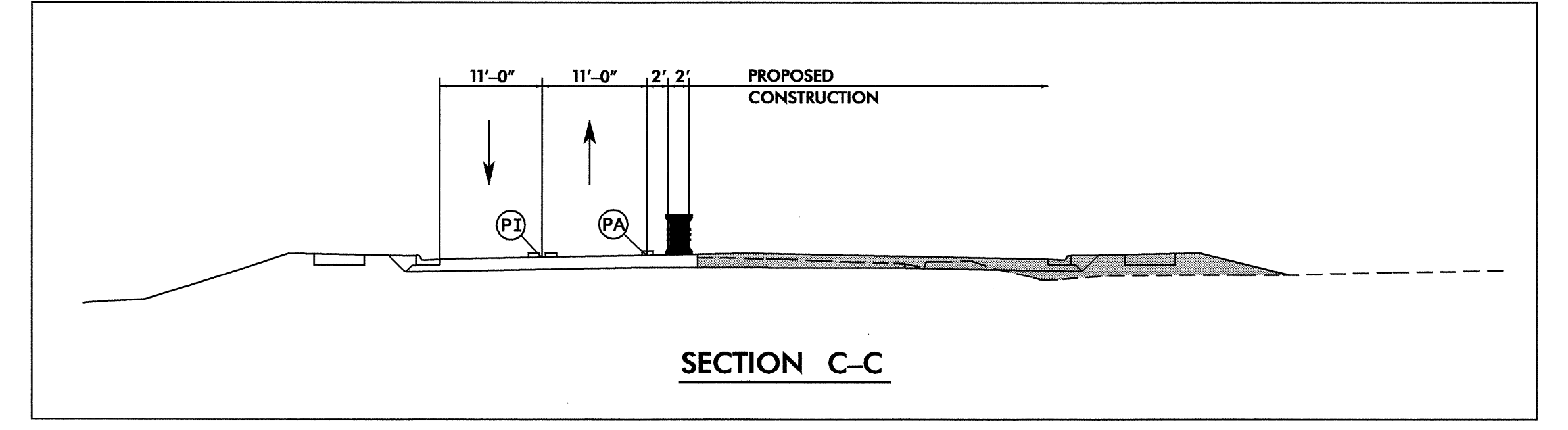
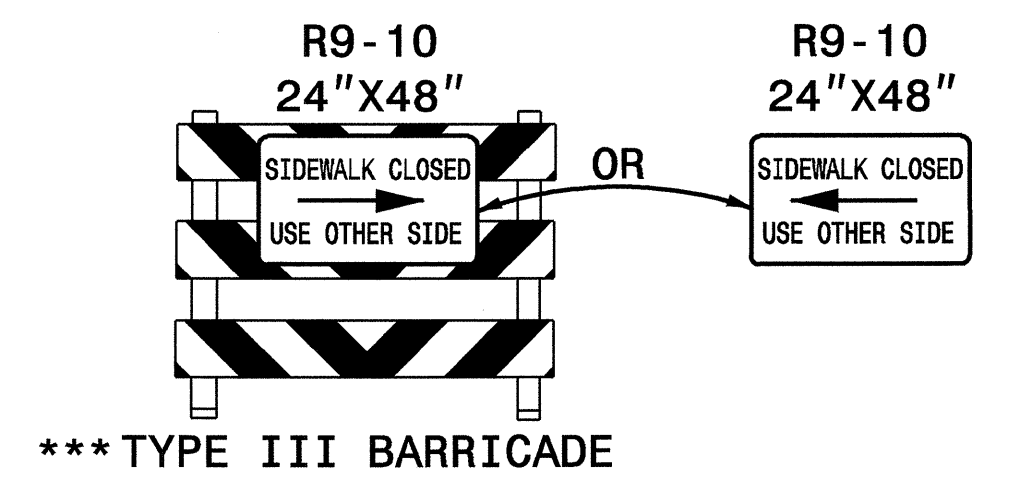
NOTES:
1. SEE ROADWAY STANDARD DRAWING NUMBERS 1250.01 AND 1251.01 FOR PAVEMENT MARKER SPACING AND TEMPORARY RAISED PAVEMENT MARKERS.



MATCHLINE STA. 25+00 -L- SEE SHEET TCP-11

MATCHLINE STA. 36+00 -L- SEE SHEET TCP-13

- * WITH ENGINEERS APPROVAL CONTACTOR MAY ONLY CLOSE ONE -Y- LINE AT A TIME TO CONSTRUCT PROPOSED NC 24/27 AND TIE-IN. (SEE SHEET TCP-16 FOR TYPICAL DETOUR SIGNING)
- ** MAINTAIN ACCESS TO DRIVEWAYS AS DIRECTED BY THE ENGINEER.



APPROVED: _____ DATE: 23 SEP 08	PHASE II PLAN	
SCALE: NONE		REVISIONS
DATE: 8/08		
DWG. BY: KPB		
DESIGN BY: KPB		
REVIEWED BY: JWG		CADD FILE

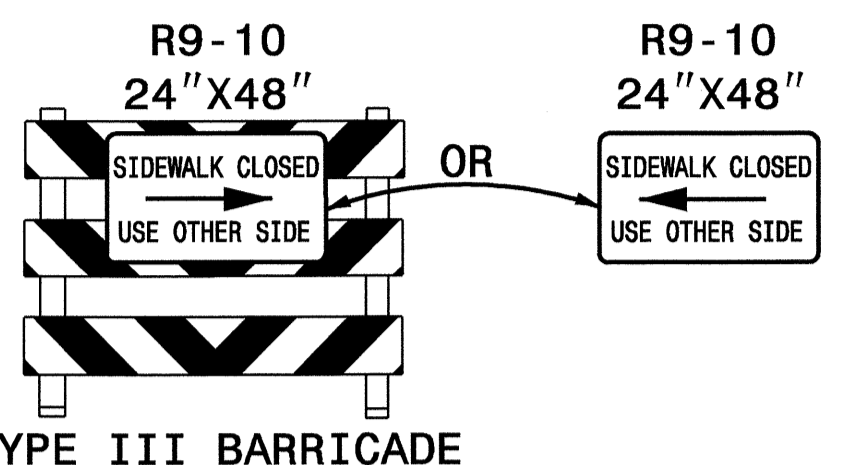
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PAINT - TEMPORARY PAVEMENT MARKING LEGEND

(PA) WHITE EDGELINE (4")	(PX) WHITE CROSSWALK (8")
(PB) YELLOW EDGELINE (4")	(P3) RAILROAD CROSSBUCK (16")
(PC) 10 FT. WHITE SKIP (4")	(P4) WHITE STOPBAR (24")
(PD) 2 FT. WHITE MINISKIP (4")	(QA) (LEFT ARROW)
(PE) WHITE SOLID LANE LINE (4")	(QB) (RIGHT ARROW)
(PF) 10' YELLOW SKIP (4")	(QC) (STRAIGHT ARROW)
(PH) YELLOW SINGLE CENTER (4")	(QD) (COMBO STRAIGHT LEFT ARROW)
(PI) YELLOW DOUBLE CENTER (4")	(QE) (COMBO STRAIGHT RIGHT ARROW)
(PR) WHITE GORELINE (8")	(QI) ONLY (ALPHANEUMERIC CHARACTER)
(PQ) WHITE DIAGONAL (8")	
(PV) YELLOW DIAGONAL (8")	

* WITH ENGINEERS APPROVAL CONTACTOR MAY ONLY CLOSE ONE -Y- LINE AT A TIME TO CONSTRUCT PROPOSED NC 24/27 AND TIE-IN. (SEE SHEET TCP-16 FOR TYPICAL DETOUR SIGNING)

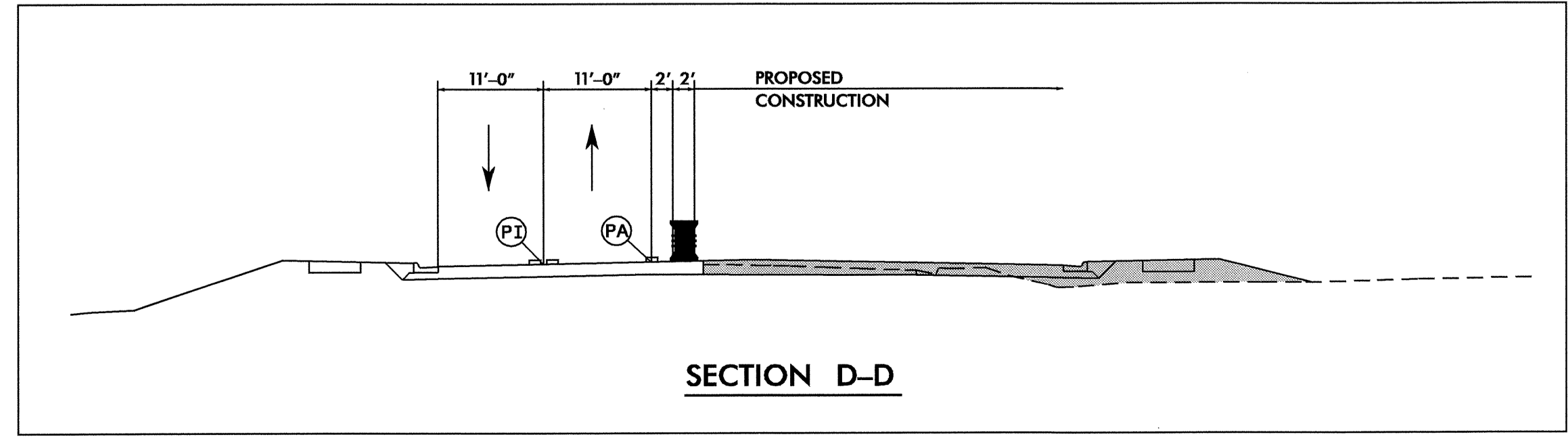
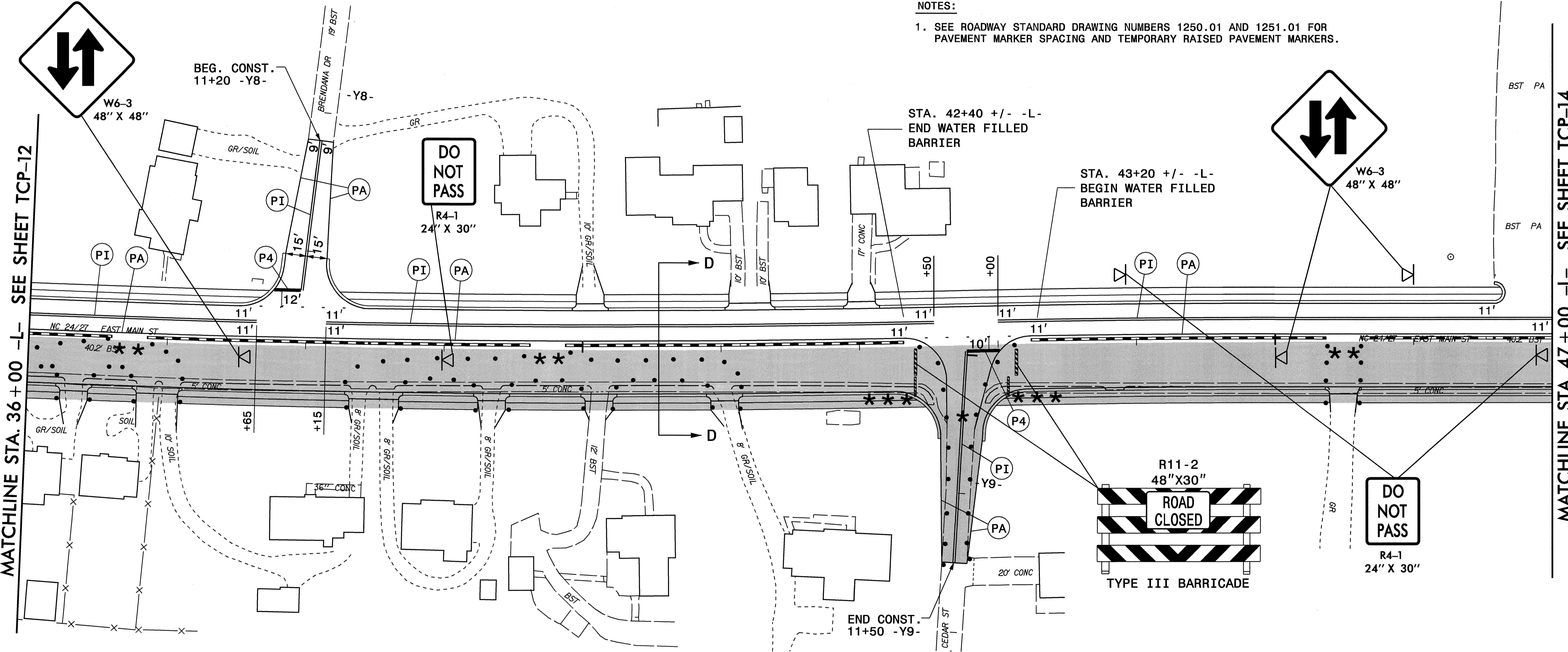
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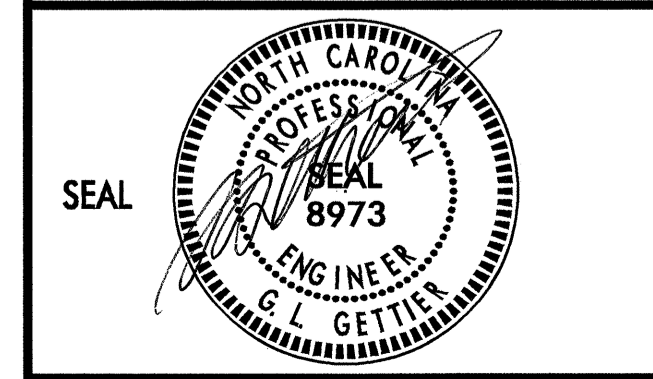
***TYPE III BARRICADE

NOTES:

1. SEE ROADWAY STANDARD DRAWING NUMBERS 1250.01 AND 1251.01 FOR PAVEMENT MARKER SPACING AND TEMPORARY RAISED PAVEMENT MARKERS.

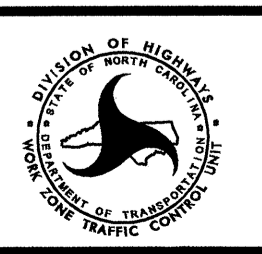


APPROVED: _____ DATE: 23 SEP 08



PHASE II PLAN

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 DESIGN BY: KPB
 REVIEWED BY: JWG



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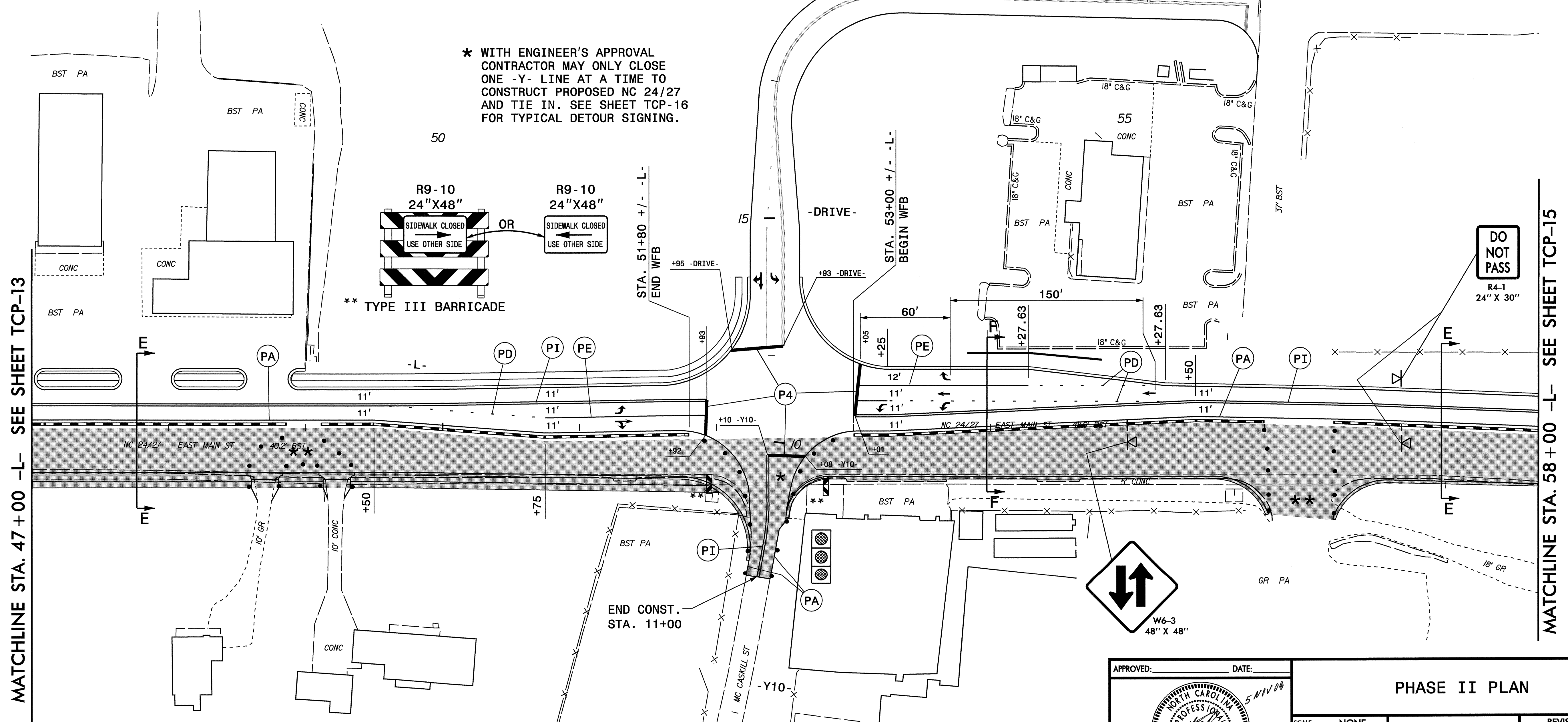
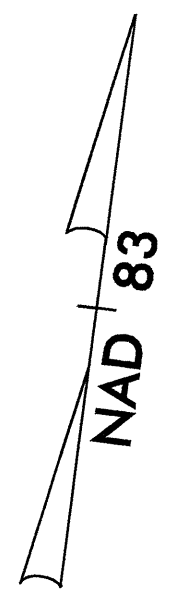
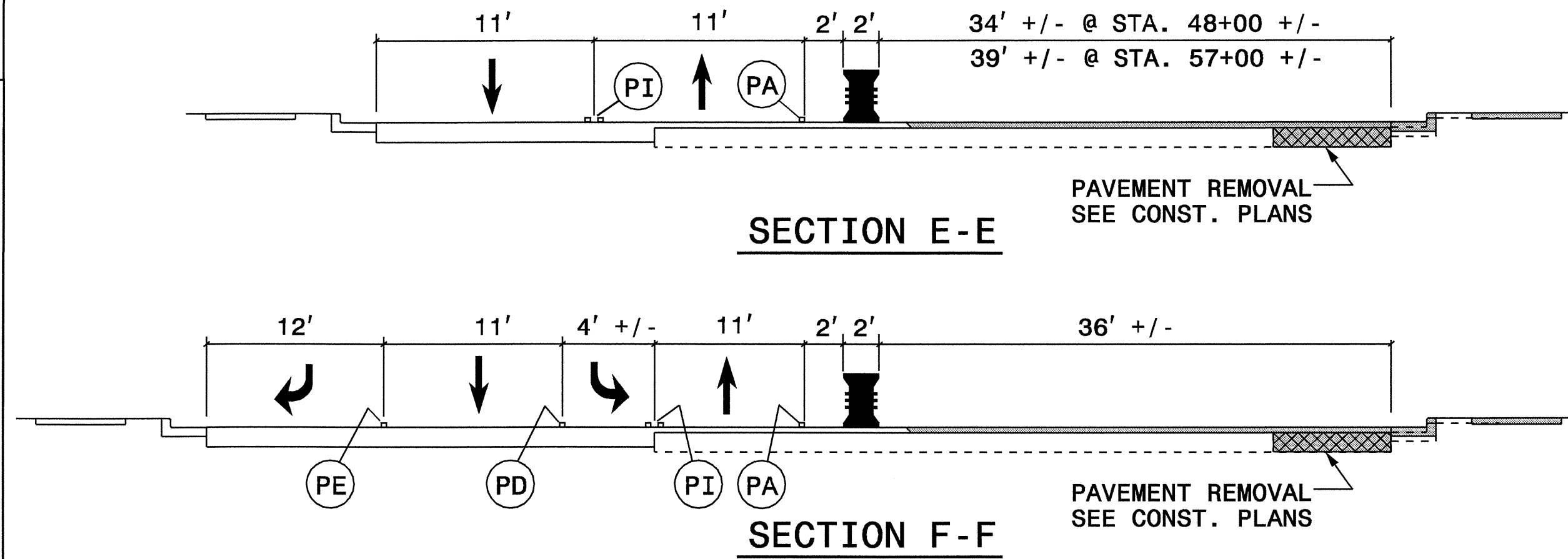
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 XBroadwell AT WZ1237451

PAINT - TEMPORARY PAVEMENT MARKING LEGEND

PA WHITE EDGELINE (4")	PX WHITE CROSSWALK (8")
PB YELLOW EDGELINE (4")	P3 RAILROAD CROSSBUCK (16")
PC 10 FT. WHITE SKIP (4")	P4 WHITE STOPBAR (24")
PD 2 FT. WHITE MINISKIP (4")	QA (LEFT ARROW)
PE WHITE SOLID LANE LINE (4")	QB (RIGHT ARROW)
PF 10' YELLOW SKIP (4")	QC (STRAIGHT ARROW)
PH YELLOW SINGLE CENTER (4")	QD (COMBO STRAIGHT LEFT ARROW)
PI YELLOW DOUBLE CENTER (4")	QE (COMBO STRAIGHT RIGHT ARROW)
PR WHITE GORELINE (8")	QI ONLY (ALPHANEUMERIC CHARACTER)
PQ WHITE DIAGONAL (8")	
PV YELLOW DIAGONAL (8")	

NOTES:

1. SEE ROADWAY STANDARD DRAWING NUMBERS 1250.01 AND 1251.01 FOR PAVEMENT MARKER SPACING AND TEMPORARY RAISED PAVEMENT MARKERS.



MATCHLINE STA. 47 + 00 -L- SEE SHEET TCP-13

MATCHLINE STA. 58 + 00 -L- SEE SHEET TCP-15

** MAINTAIN ACCESS TO DRIVEWAY AS DIRECTED BY THE ENDINGGER.

APPROVED: _____ DATE: 5/11/08

SEAL

PHASE II PLAN

SCALE: NONE		REVISIONS
DATE: 11/08		
DWG. BY: KPB		
DESIGN BY: KPB		
REVIEWED BY: JWG		

05-NOV-2008 14:04 \\dot\dfs\p010\pco\p\ip\projects-r\2107b\traffic\trafficcontrol\top-r-2107b-rc-top-14-2.dgn kbr\odswell AT WZTC23145

PAINT - TEMPORARY PAVEMENT MARKING LEGEND

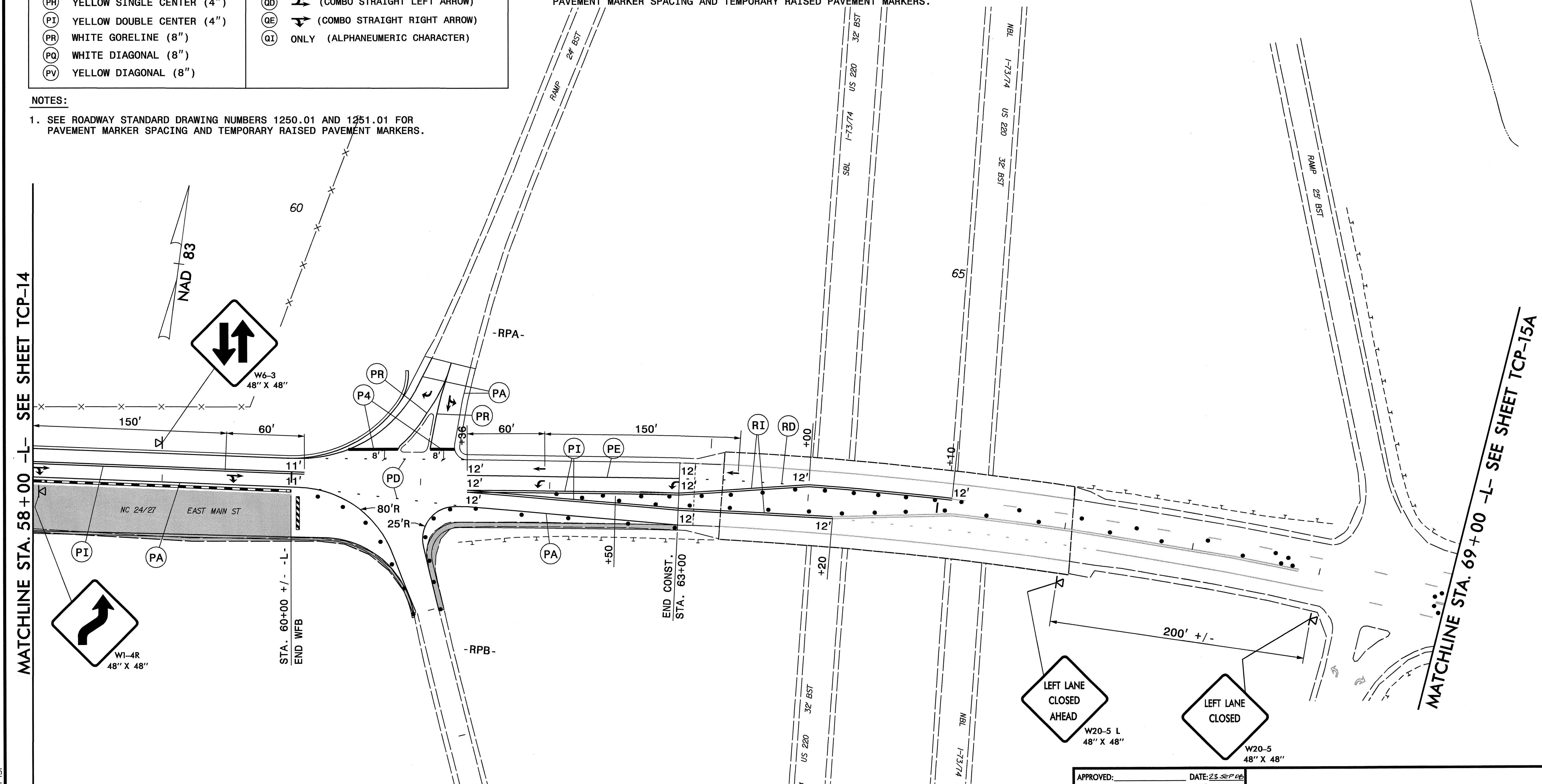
(PA) WHITE EDGELINE (4")	(PX) WHITE CROSSWALK (8")
(PB) YELLOW EDGELINE (4")	(P3) RAILROAD CROSSBUCK (16")
(PC) 10 FT. WHITE SKIP (4")	(P4) WHITE STOPBAR (24")
(PD) 2 FT. WHITE MINISKIP (4")	(QA) ↶ (LEFT ARROW)
(PE) WHITE SOLID LANE LINE (4")	(QB) ↷ (RIGHT ARROW)
(PF) 10' YELLOW SKIP (4")	(QC) → (STRAIGHT ARROW)
(PH) YELLOW SINGLE CENTER (4")	(QD) ↶↷ (COMBO STRAIGHT LEFT ARROW)
(PI) YELLOW DOUBLE CENTER (4")	(QE) ↷↶ (COMBO STRAIGHT RIGHT ARROW)
(PR) WHITE GORELINE (8")	(QI) ONLY (ALPHANEUMERIC CHARACTER)
(PQ) WHITE DIAGONAL (8")	
(PV) YELLOW DIAGONAL (8")	

COLD APPLIED PLASTIC - TYPE 4 (REM. TAPE) TEMPORARY PAVEMENT MARKINGS

(RA) WHITE EDGELINE (4")	(SA) ↶ (LEFT ARROW)
(RD) 2 FT. WHITE MINISKIP (4")	(SC) → (STRAIGHT ARROW)
(RE) WHITE SOLID LANE LINE (4")	
(RI) YELLOW DOUBLE CENTER (4")	

NOTES:
1. SEE ROADWAY STANDARD DRAWING NUMBERS 1250.01 AND 1251.01 FOR PAVEMENT MARKER SPACING AND TEMPORARY RAISED PAVEMENT MARKERS.

NOTES:
1. SEE ROADWAY STANDARD DRAWING NUMBERS 1250.01 AND 1251.01 FOR PAVEMENT MARKER SPACING AND TEMPORARY RAISED PAVEMENT MARKERS.

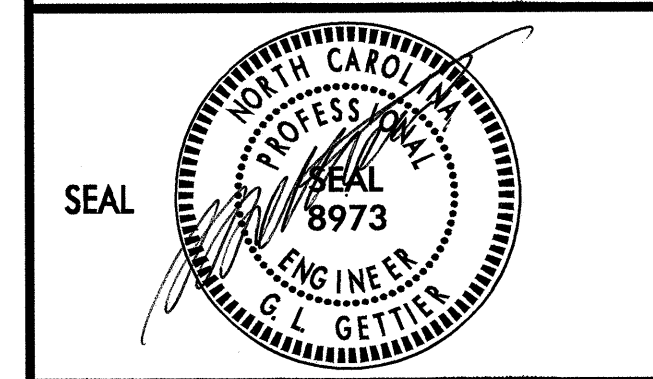


MATCHLINE STA. 58+00 -L- SEE SHEET TCP-14

MATCHLINE STA. 69+00 -L- SEE SHEET TCP-15A

23-SEP-2008 14:43 \\dot\dfsroot\01\proj\proj\projects-r\2107b\traffic\trafficcontrol\top\top-207b-rc-top15-2.dgn
kbroadwell AT WZTC23745

APPROVED: _____ DATE: 23 SEP 08

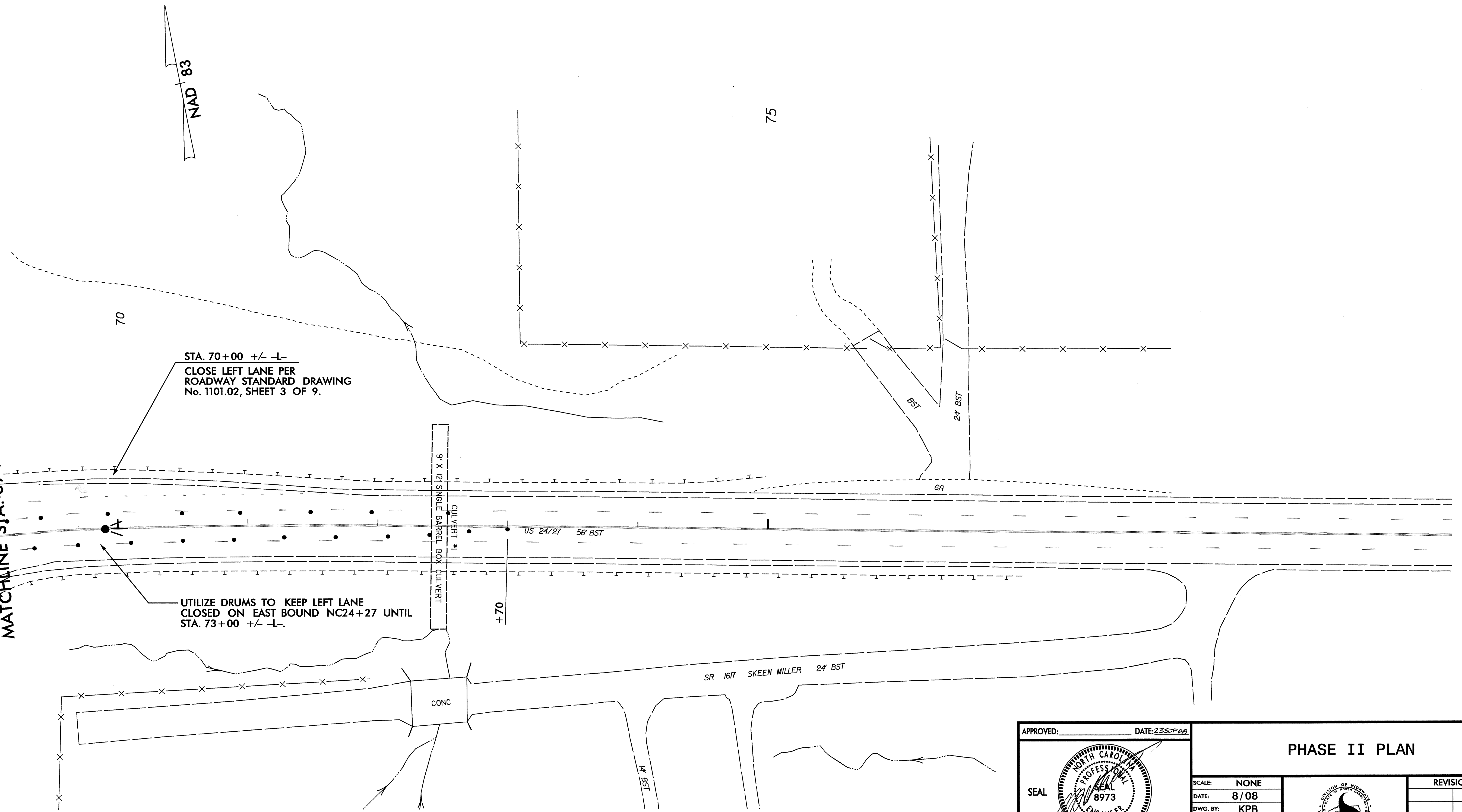


PHASE II PLAN

SCALE: NONE		REVISIONS
DATE: 8/08		
DWG. BY: KPB		
DESIGN BY: KPB		
REVIEWED BY: JWG		

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 kbroadwell AT WZTC23145

MATCHLINE STA. 69+00 -L- SEE SHEET TCP-15A

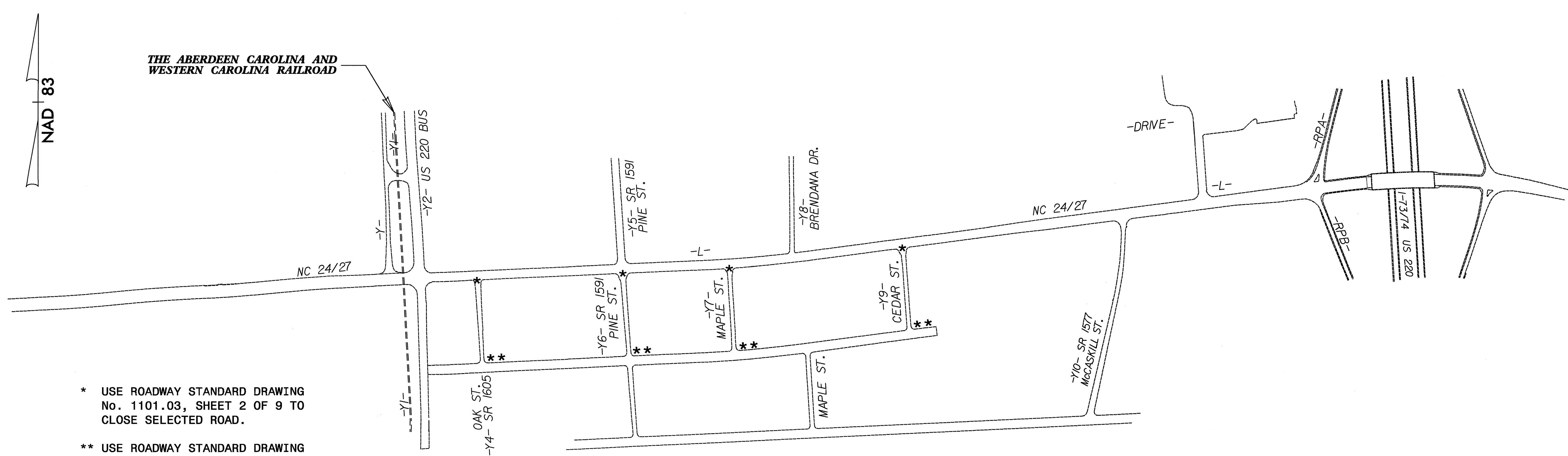


APPROVED: _____ DATE: 23 SEP 08

SEAL

PHASE II PLAN

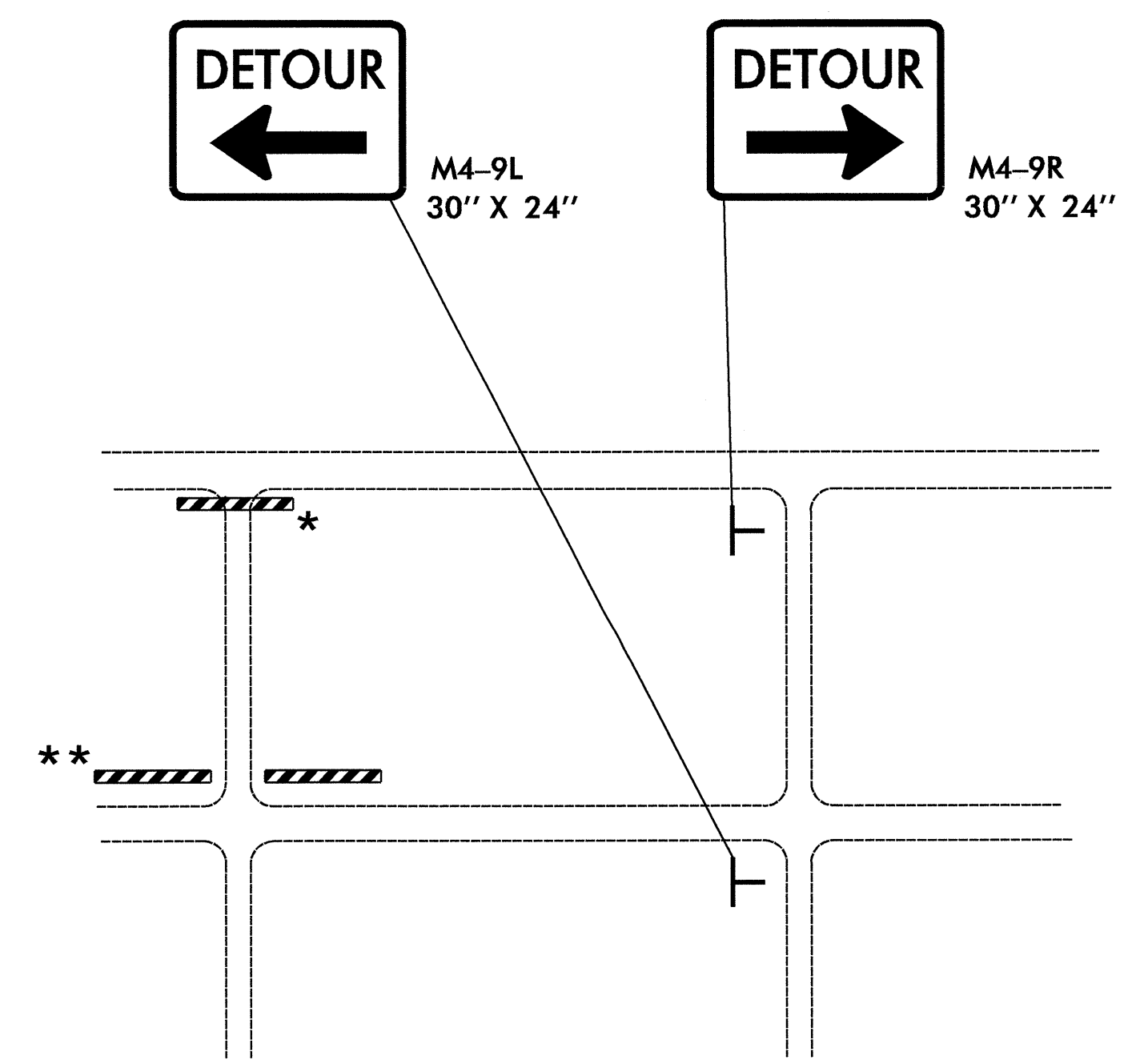
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NO.	DESCRIPTION										
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CADD FILE											



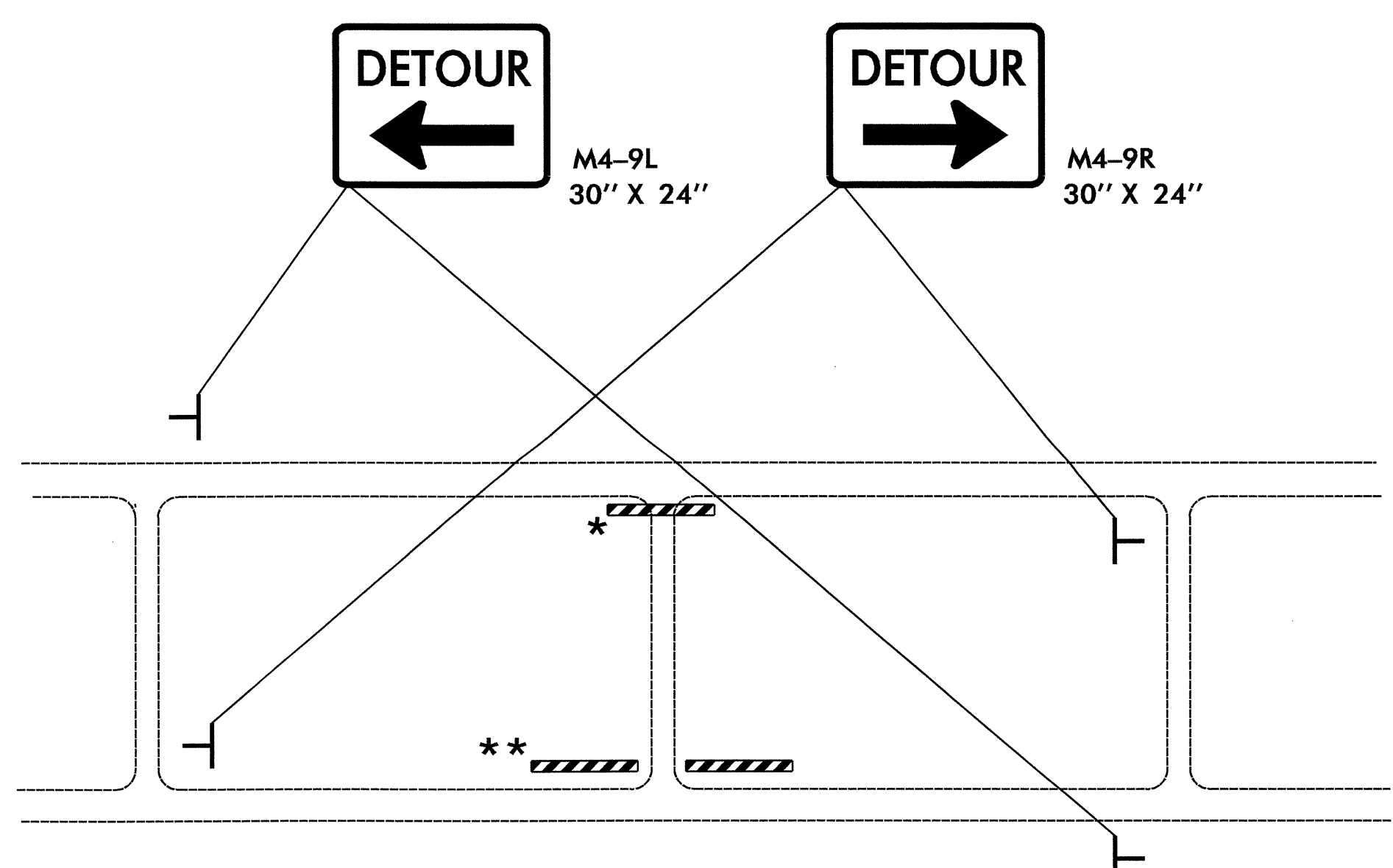
* USE ROADWAY STANDARD DRAWING No. 1101.03, SHEET 2 OF 9 TO CLOSE SELECTED ROAD.

** USE ROADWAY STANDARD DRAWING No. 1101.03, SHEET 1 OF 9 TO CLOSE SELECTED ROAD.

ROAD	DETOUR
OAK ST. (-Y4-)	PINE ST. (-Y6-)
PINE ST. (-Y6-)	OAK ST. (-Y4-) & MAPLE ST. (-Y7-)
MAPLE ST. (-Y7-)	PINE ST. (-Y6-) & CEDAR ST. (-Y9-)
CEDAR ST. (-Y9-)	MAPLE ST. (-Y7-)
McCASKILL ST. (-Y10-)	PINE ST. (-Y6-)



TYPICAL DETAIL 1



TYPICAL DETAIL 2

-OR-

APPROVED:	DATE: 25 Sept 08	PHASE II PLAN									
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SEAL	DESIGN BY: KP	DATE: 08/08									
	DESIGN BY: KP	REVIEWED BY: JW									

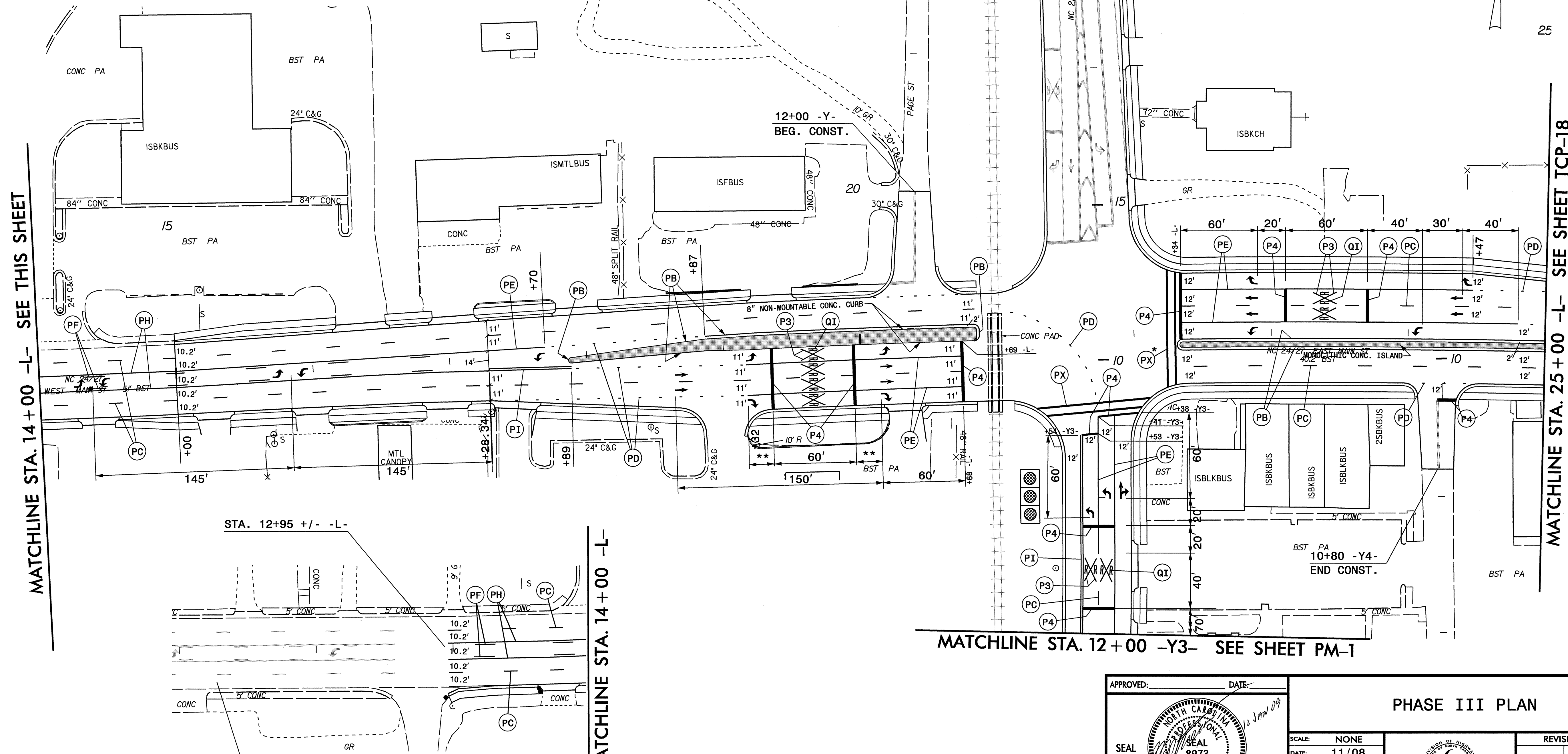
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 kbr\oadwell AT WZTC23745

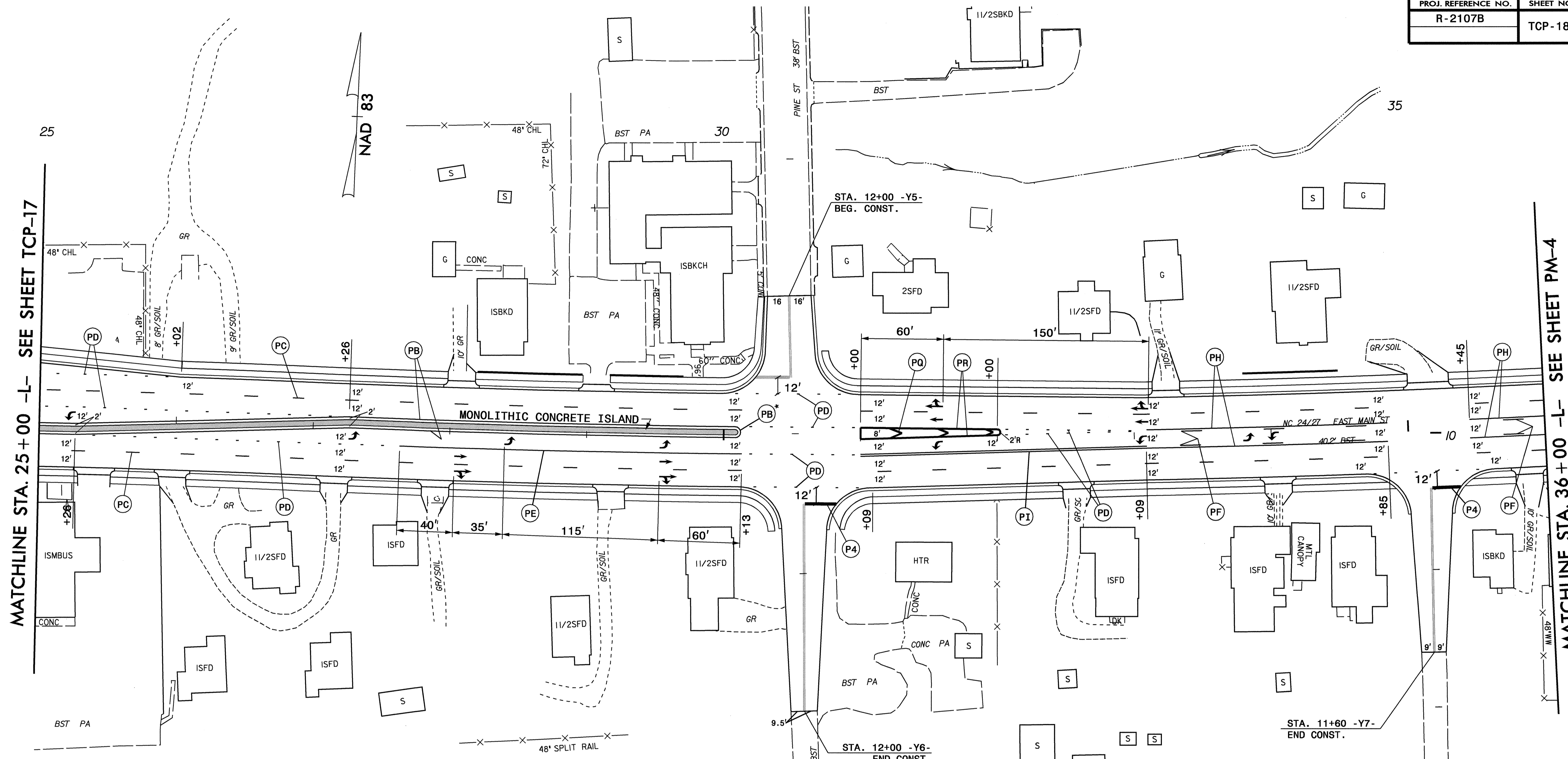
PAINT - TEMPORARY PAVEMENT MARKING LEGEND

- | | |
|---------------------------------|-------------------------------------|
| (PA) WHITE EDGELINE (4") | (PX) WHITE CROSSWALK (8") |
| (PB) YELLOW EDGELINE (4") | (P3) RAILROAD CROSSBUCK (16") |
| (PC) 10 FT. WHITE SKIP (4") | (P4) WHITE STOPBAR (24") |
| (PD) 2 FT. WHITE MINISKIP (4") | (QA) (LEFT ARROW) |
| (PE) WHITE SOLID LANE LINE (4") | (QB) (RIGHT ARROW) |
| (PF) 10' YELLOW SKIP (4") | (QC) (STRAIGHT ARROW) |
| (PH) YELLOW SINGLE CENTER (4") | (QD) (COMBO STRAIGHT LEFT ARROW) |
| (PI) YELLOW DOUBLE CENTER (4") | (QE) (COMBO STRAIGHT RIGHT ARROW) |
| (PR) WHITE GORELINE (8") | (QI) ONLY (ALPHANEUMERIC CHARACTER) |
| (PQ) WHITE DIAGONAL (8") | |
| (PV) YELLOW DIAGONAL (8") | |

NOTES:

1. SEE ROADWAY STANDARD DRAWING NUMBERS 1250.01 AND 1251.01 FOR PAVEMENT MARKER SPACING AND TEMPORARY RAISED PAVEMENT MARKERS.





PAINT - TEMPORARY PAVEMENT MARKING LEGEND

(PA) WHITE EDGELINE (4")	(PX) WHITE CROSSWALK (8")
(PB) YELLOW EDGELINE (4")	(P3) RAILROAD CROSSBUCK (16")
(PC) 10 FT. WHITE SKIP (4")	(P4) WHITE STOPBAR (24")
(PD) 2 FT. WHITE MINISKIP (4")	(QA) (LEFT ARROW)
(PE) WHITE SOLID LANE LINE (4")	(QB) (RIGHT ARROW)
(PF) 10' YELLOW SKIP (4")	(QC) (STRAIGHT ARROW)
(PH) YELLOW SINGLE CENTER (4")	(QD) (COMBO STRAIGHT LEFT ARROW)
(PI) YELLOW DOUBLE CENTER (4")	(QE) (COMBO STRAIGHT RIGHT ARROW)
(PH) WHITE GORELINE (8")	(QI) ONLY (ALPHANEUMERIC CHARACTER)
(PQ) WHITE DIAGONAL (8")	
(PV) YELLOW DIAGONAL (8")	

NOTES:

- SEE ROADWAY STANDARD DRAWING NUMBERS 1250.01 AND 1251.01 FOR PAVEMENT MARKER SPACING AND TEMPORARY RAISED PAVEMENT MARKERS.

APPROVED: _____ DATE: 23 SEP 08

PHASE III PLAN

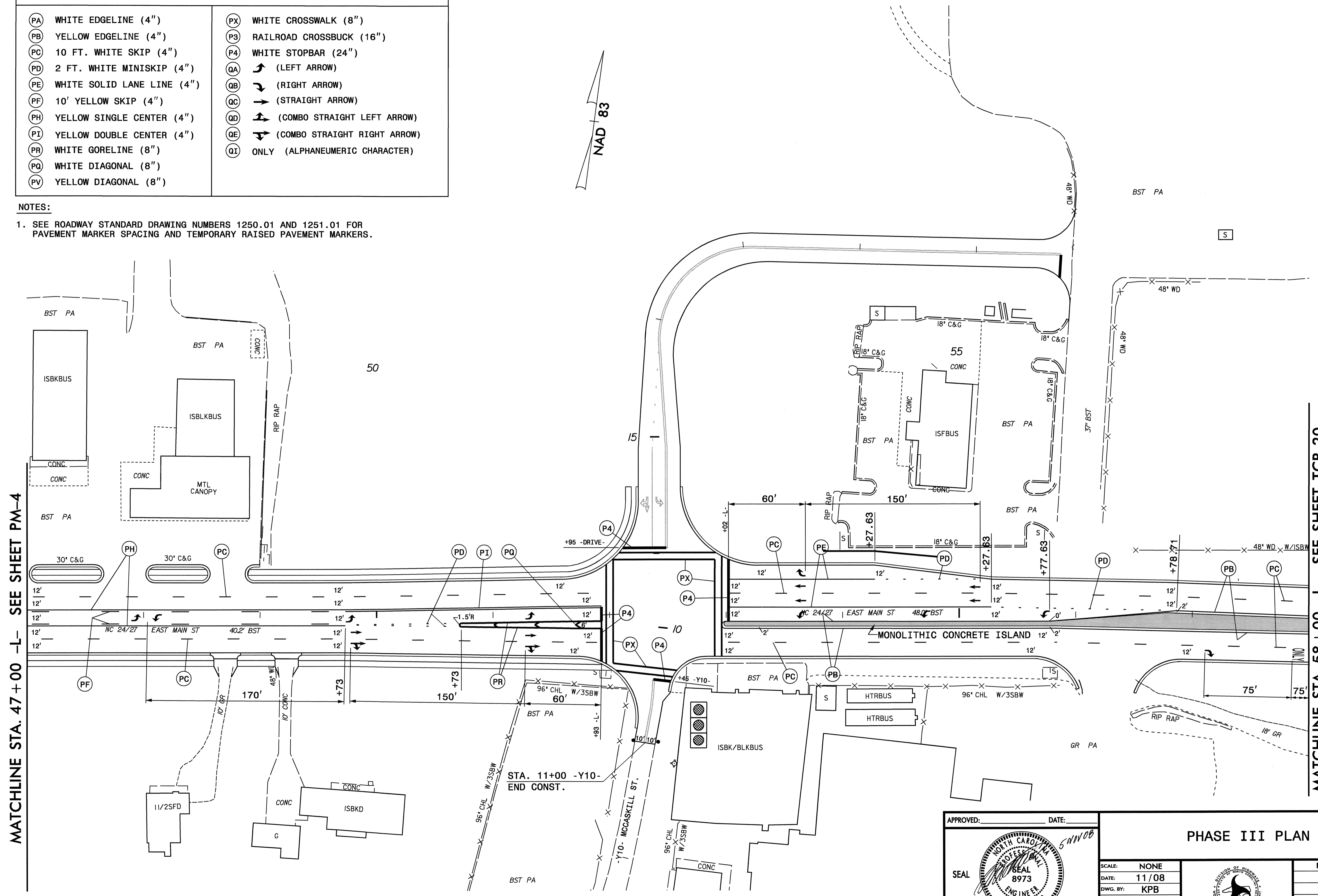
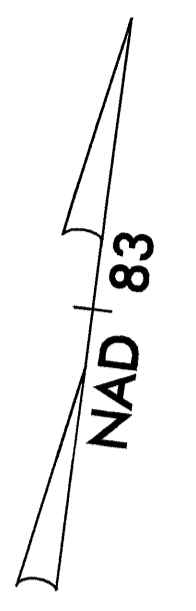
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PAINT - TEMPORARY PAVEMENT MARKING LEGEND

(PA) WHITE EDGELINE (4")	(PX) WHITE CROSSWALK (8")
(PB) YELLOW EDGELINE (4")	(P3) RAILROAD CROSSBUCK (16")
(PC) 10 FT. WHITE SKIP (4")	(P4) WHITE STOPBAR (24")
(PD) 2 FT. WHITE MINISKIP (4")	(QA) (LEFT ARROW)
(PE) WHITE SOLID LANE LINE (4")	(QB) (RIGHT ARROW)
(PF) 10' YELLOW SKIP (4")	(QC) (STRAIGHT ARROW)
(PH) YELLOW SINGLE CENTER (4")	(QD) (COMBO STRAIGHT LEFT ARROW)
(PI) YELLOW DOUBLE CENTER (4")	(QE) (COMBO STRAIGHT RIGHT ARROW)
(PR) WHITE GORELINE (8")	(QI) ONLY (ALPHANEUMERIC CHARACTER)
(PQ) WHITE DIAGONAL (8")	
(PV) YELLOW DIAGONAL (8")	

NOTES:
 1. SEE ROADWAY STANDARD DRAWING NUMBERS 1250.01 AND 1251.01 FOR PAVEMENT MARKER SPACING AND TEMPORARY RAISED PAVEMENT MARKERS.



MATCHLINE STA. 47+00 -L- SEE SHEET PM-4

MATCHLINE STA. 58+00 -L- SEE SHEET TCP-20

APPROVED:	DATE:	PHASE III PLAN									
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DATE:	11/08										
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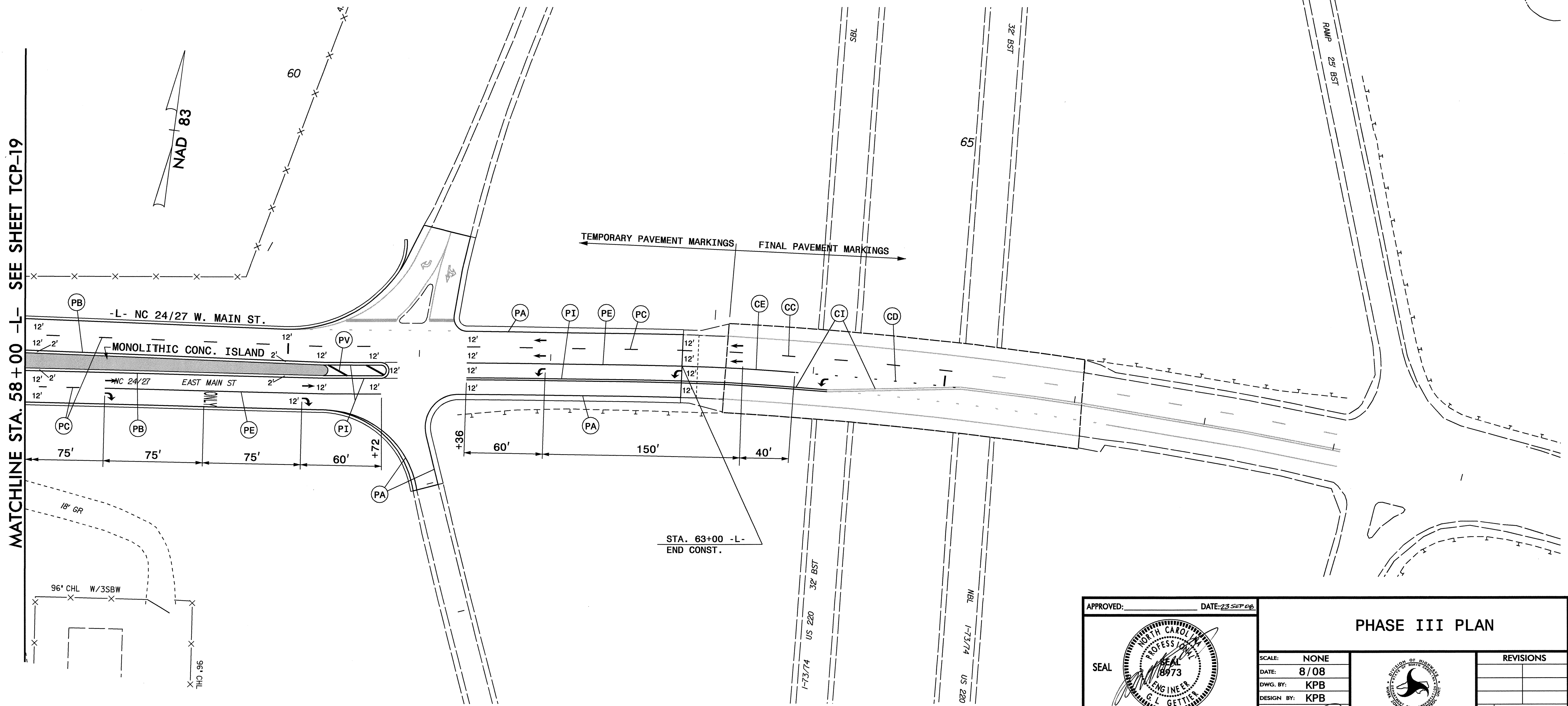
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 kbroadwell AT WZTC23745

PAINT - TEMPORARY PAVEMENT MARKING LEGEND	
(PA) WHITE EDGELINE (4")	(PX) WHITE CROSSWALK (8")
(PB) YELLOW EDGELINE (4")	(P3) RAILROAD CROSSBUCK (16")
(PC) 10 FT. WHITE SKIP (4")	(P4) WHITE STOPBAR (24")
(PD) 2 FT. WHITE MINISKIP (4")	(QA) ↶ (LEFT ARROW)
(PE) WHITE SOLID LANE LINE (4")	(QB) ↷ (RIGHT ARROW)
(PF) 10' YELLOW SKIP (4")	(QC) → (STRAIGHT ARROW)
(PH) YELLOW SINGLE CENTER (4")	(QD) ↶↷ (COMBO STRAIGHT LEFT ARROW)
(PI) YELLOW DOUBLE CENTER (4")	(QE) ↷↶ (COMBO STRAIGHT RIGHT ARROW)
(PR) WHITE GORELINE (8")	(QI) ONLY (ALPHANEUMERIC CHARACTER)
(PQ) WHITE DIAGONAL (8")	
(PV) YELLOW DIAGONAL (8")	

COLD APPLIED PLASTIC - TYPE I FINAL PAVEMENT MARKING LEGEND	
(CC) 10 FT. WHITE SKIP (4")	(DA) ↶ (LEFT ARROW)
(CD) 2 FT. WHITE MINISKIP (4")	(DB) ↷ (RIGHT ARROW)
(CE) WHITE SOLID LANE LINE	(DC) → (STRAIGHT ARROW)
(CI) YELLOW DOUBLE CENTER (4")	

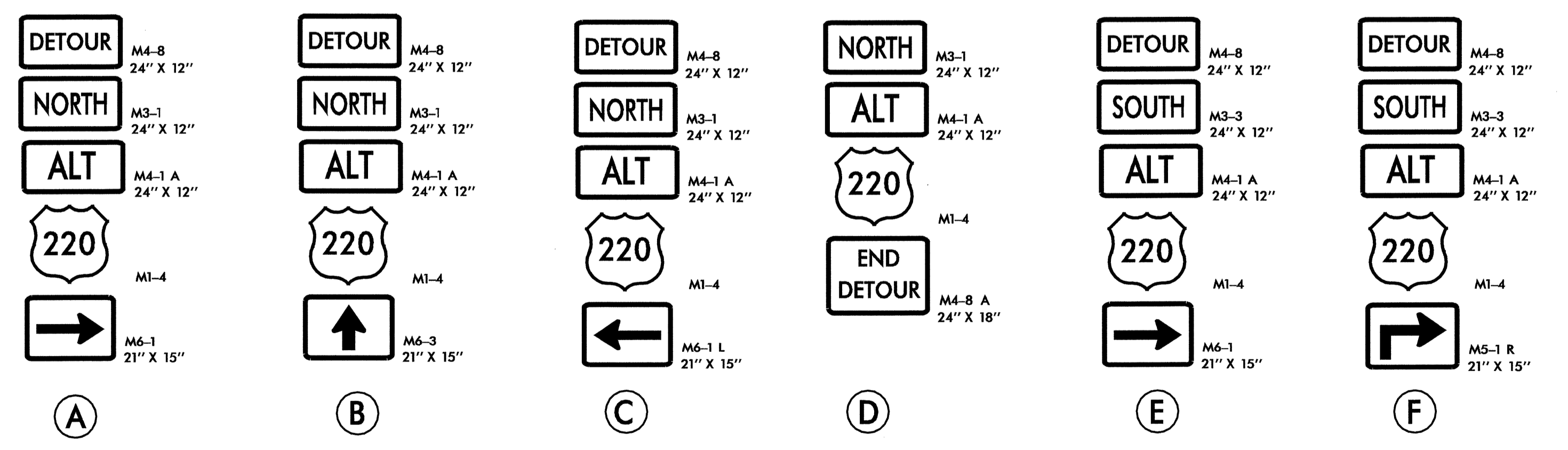
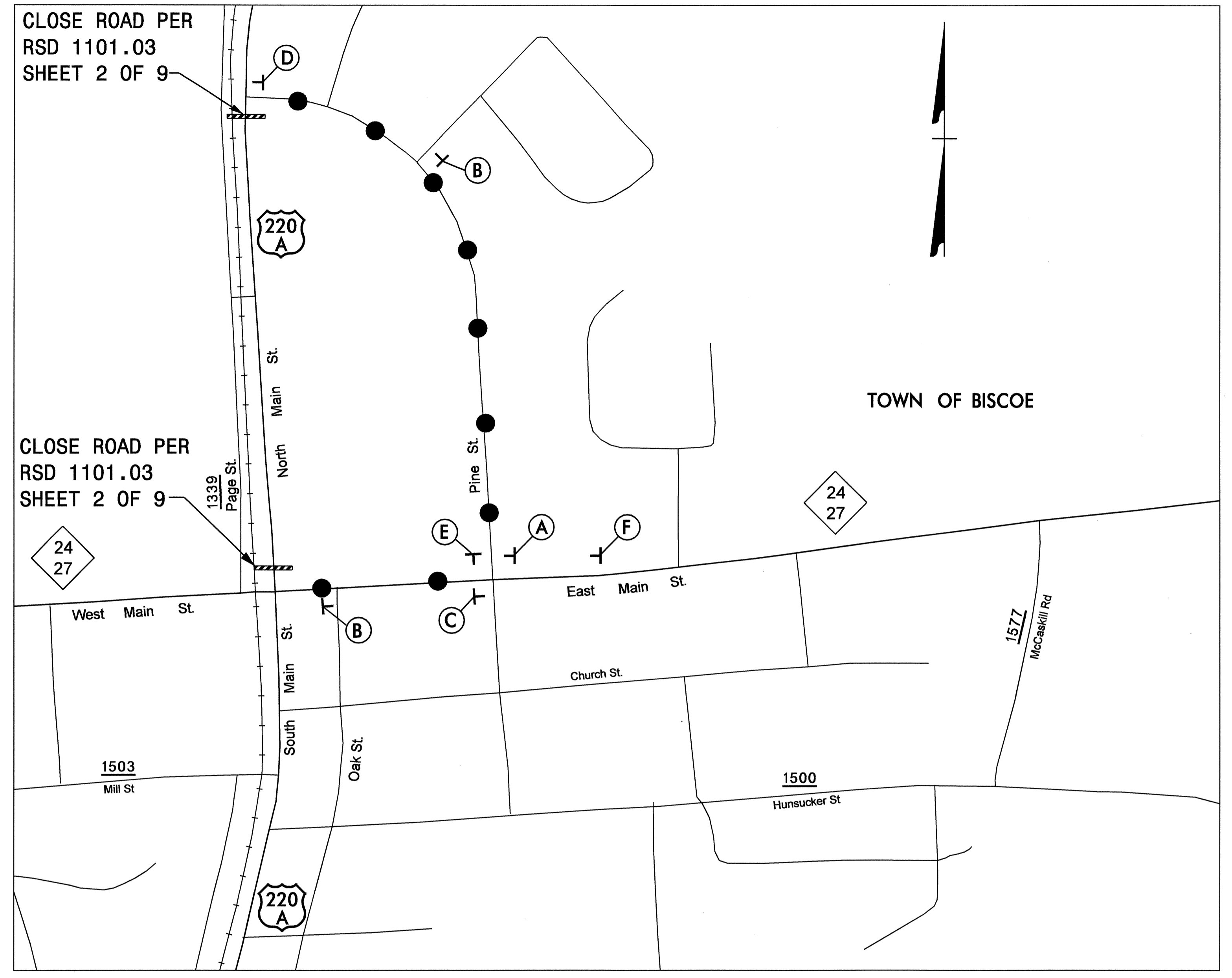
NOTES:

- SEE ROADWAY STANDARD DRAWING NUMBERS 1250.01 AND 1251.01 FOR PAVEMENT MARKER SPACING AND TEMPORARY RAISED PAVEMENT MARKERS.



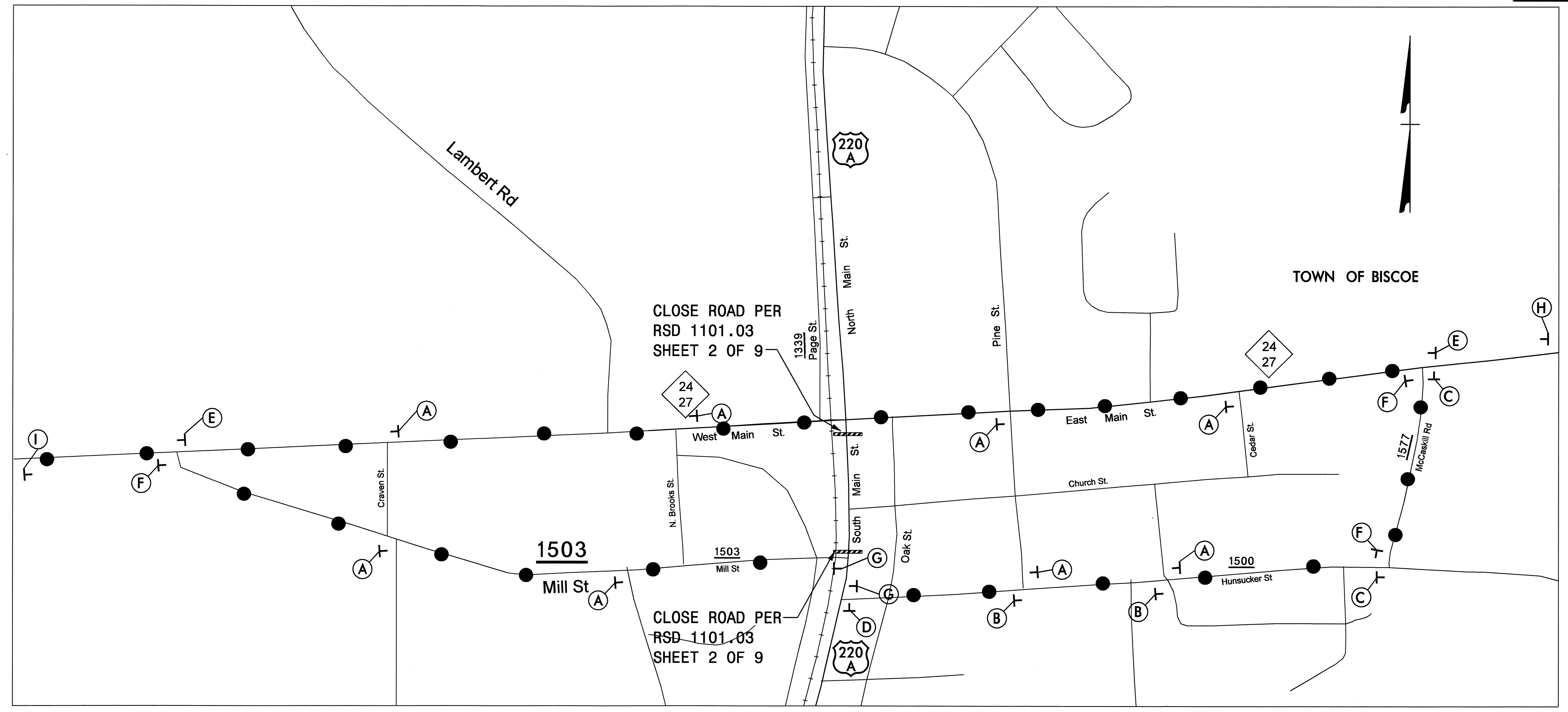
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 kbrodwell AT WZTC237451

APPROVED:	DATE: 23 SEP 08	PHASE III PLAN								
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 Kbrodwell AT WZ1C237451

APPROVED: _____	DATE: 23 SEP 08	DETOUR ROUTE	
		WHEN US220 ALT NORTH IS CLOSED	
		SCALE: NONE	REVISIONS
DATE: 8/08	DWG. BY: KPB		
DESIGN BY: KPB	REVIEWED BY: JWG		

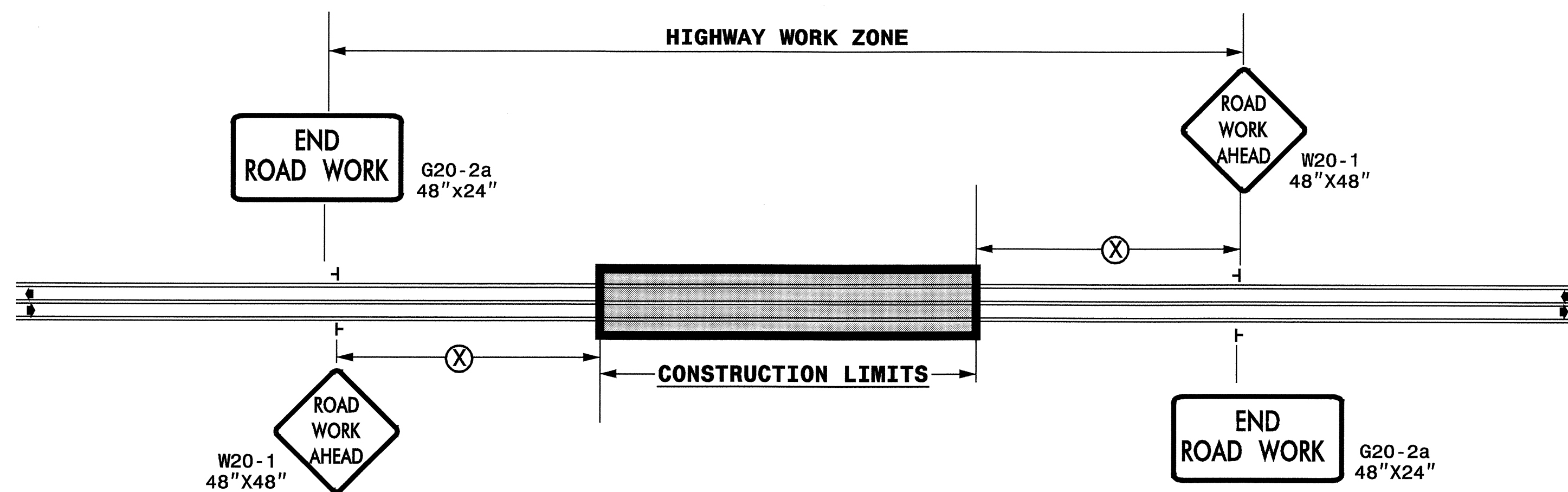


DETOUR M4-8 24" X 12"	DETOUR M4-8 24" X 12"	DETOUR M4-8 24" X 12"	DETOUR M4-8 24" X 12"	DETOUR M4-8 24" X 12"	DETOUR M4-8 24" X 12"	SOUTH M3-3 24" X 12"	DETOUR M4-8 24" X 12"	DETOUR M4-8 24" X 12"
SOUTH M3-3 24" X 12"	NORTH M3-1 24" X 12"	NORTH M3-1 24" X 12"	NORTH M3-1 24" X 12"	SOUTH M3-3 24" X 12"	SOUTH M3-3 24" X 12"	ALT M4-1 A 24" X 12"	SOUTH M3-3 24" X 12"	SOUTH M3-3 24" X 12"
ALT M4-1 A 24" X 12"	ALT M4-1 A 24" X 12"	ALT M4-1 A 24" X 12"	ALT M4-1 A 24" X 12"	ALT M4-1 A 24" X 12"	ALT M4-1 A 24" X 12"	220 MI-4	ALT M4-1 A 24" X 12"	ALT M4-1 A 24" X 12"
220 MI-4	220 MI-4	220 MI-4	220 MI-4	220 MI-4	220 MI-4	END M4-8 A 24" X 18"	220 MI-4	220 MI-4
↑ M6-3 21" X 15"	↑ M6-3 21" X 15"	← M6-1 L 21" X 15"	→ M6-1 21" X 15"	← M6-1 L 21" X 15"	→ M6-1 21" X 15"	END M4-8 A 24" X 18"	← M5-1 21" X 15"	↗ M5-1 R 21" X 15"
A	B	C	D	E	F	G	H	I

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 Kbroodwell AT WZ1C237451

APPROVED: _____ DATE: 23 SEP 08	DETOUR ROUTE WHEN US220 ALT SOUTH IS CLOSED	
	SCALE: NONE	
	DATE: 8/08	
	DWG. BY: KPB	
	DESIGN BY: KPB	
REVIEWED BY: JWG	REVISIONS	

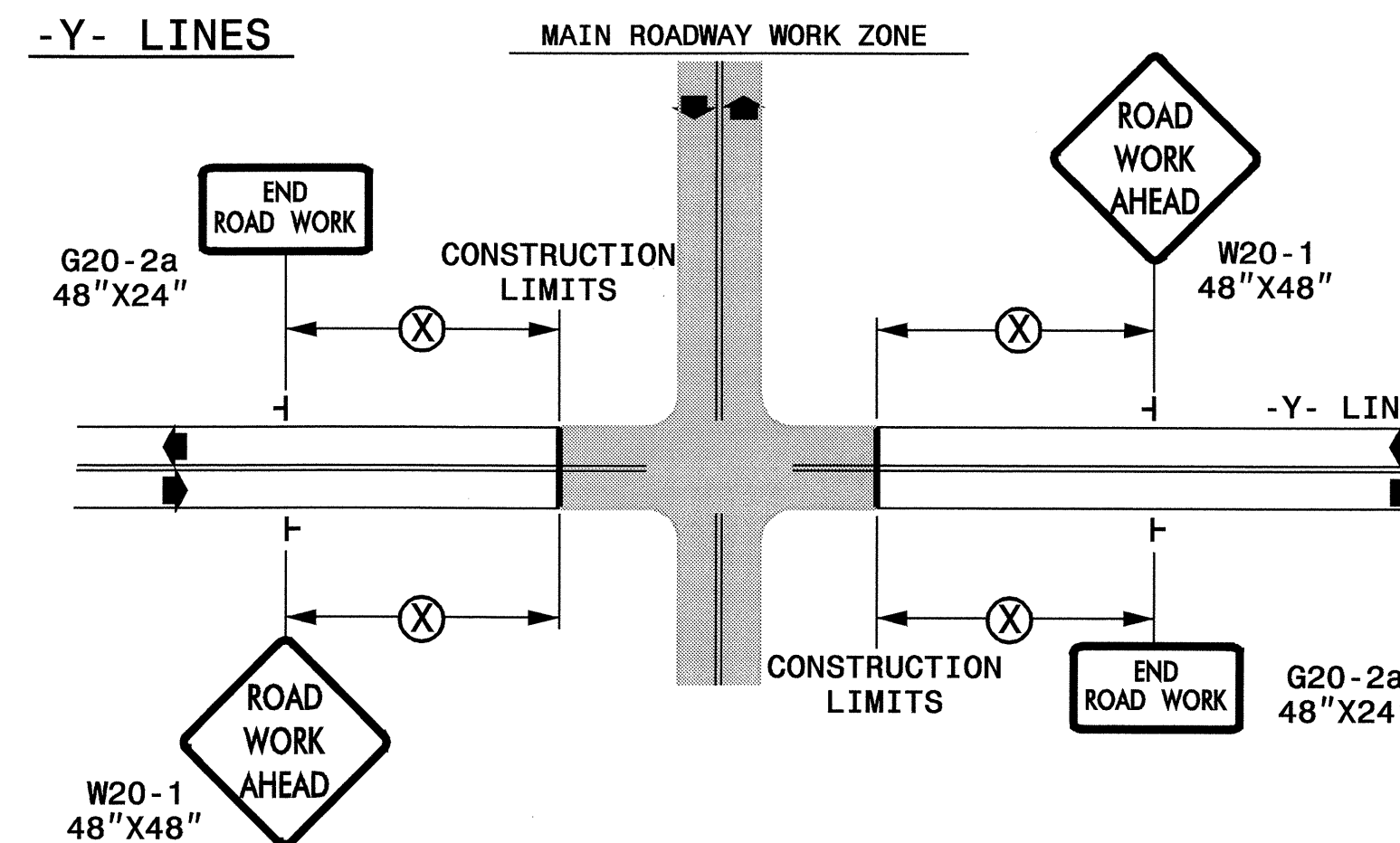
TWO-WAY UNDIVIDED ** (L-LINES)



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: 23 SEP 00	DETAIL DRAWING FOR TWO-WAY UNDIVIDED AND URBAN FREEWAYS ADVANCED WORK ZONE WARNING SIGNS	
	SCALE: NONE	REVISIONS
	DATE: 7-98	10/01
	DESIGN BY: _____	10-98 03/04
	REVIEWED BY: _____	01/01 11/04