

STATE OF NORTH CAROLINA
DIVISION OF HIGHWAYS

STATE PROJECT REFERENCE NO.	SHEET NO.
U - 2 5 1 0 A	TCP-1

**PLAN FOR PROPOSED
TRAFFIC CONTROL, MARKING & DELINEATION
MECKLENBURG / UNION COUNTIES**

U-2510A

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
1101.04	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	DRUM
1135.01	CONES
1145.01	BARRICADES
1150.01	FLAGGING DEVICES
1160.01	TEMPORARY CRASH CUSHION
1165.01	TRUCK MOUNTED IMPACT ATTENUATOR
1170.01	PORTABLE CONCRETE BARRIER
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
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TIP PROJECT:

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Kbr\adwell AT 12/12/2006

APPROVED: _____ DATE: <u>27 Aug 07</u>	PLAN PREPARED BY: N.C.D.O.T. WORK ZONE TRAFFIC CONTROL UNIT
SEAL 	J. S. BOURNE, PE TRAFFIC CONTROL ENGINEER
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	KEN BROADWELL TRAFFIC CONTROL DESIGN ENGINEER

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 AS DIRECTED BY THE ENGINEER.

TIME RESTRICTIONS

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

Table with columns: ROAD NAME, DAY AND TIME RESTRICTIONS. Rows include NC 16 PROVIDENCE RD, NC 84 WEDDINGTON RD, and SR 3632 ARDREY KELL RD.

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

Table with column: ROAD NAME. Rows include NC 16 PROVIDENCE RD, NC 84 WEDDINGTON RD, and SR 3632 ARDREY KELL RD.

HOLIDAY

- List of holiday restrictions including New Year's, Easter, Memorial Day, Independence Day, Labor Day, Thanksgiving, and Christmas.

C) DO NOT STOP TRAFFIC AS FOLLOWS:

Table with columns: ROAD NAME, DAY AND TIME RESTRICTIONS, DURATION/OPERATION. Rows include NC 16 PROVIDENCE RD, NC 84 WEDDINGTON RD, and SR 3632 ARDREY KELL RD.

D) 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

- Notes E) and F) regarding lane closure devices and shoulder closure requirements for personnel and equipment.

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.

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.

H) 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.

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

PAVEMENT EDGE DROP OFF REQUIREMENTS

K) BACKFILL AT A 6:1 SLOPE UP TO THE EDGE AND ELEVATION OF EXISTING PAVEMENT IN AREAS ADJACENT TO AN OPEN TRAVEL LANE THAT HAS A DROP-OFF AS FOLLOWS:

BACKFILL DROP-OFFS THAT EXCEED 2 INCHES ON ROADWAYS WITH POSTED SPEED LIMITS OF 45 MPH OR GREATER.

BACKFILL DROP-OFFS THAT EXCEED 3 INCHES ON ROADWAYS WITH POSTED SPEED LIMITS LESS THAN 45 MPH.

BACKFILL WITH SUITABLE COMPACTED MATERIAL, AS APPROVED BY THE ENGINEER, AT NO EXPENSE TO THE DEPARTMENT.

L) DO NOT EXCEED A DIFFERENCE OF 2 INCHES IN ELEVATION BETWEEN OPEN LANES OF TRAFFIC FOR NOMINAL LIFTS OF 1.5 INCHES. INSTALL ADVANCE WARNING "UNEVEN LANES" SIGNS (W8-11) 350 FT IN ADVANCE AND A MINIMUM OF ONCE EVERY HALF MILE THROUGHOUT THE UNEVEN AREA.

TRAFFIC PATTERN ALTERATIONS

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

SIGNING

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

O) PROVIDE PERMANENT SIGNING.

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

Q) INSTALL BLACK ON ORANGE "DIP" SIGNS (W8-2) AND/OR "BUMP" SIGNS (W8-1) (350 FT) IN ADVANCE OF THE UNEVEN AREA, OR AS DIRECTED BY THE ENGINEER.

TRAFFIC BARRIER

R) 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.

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

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

Table with columns: POSTED SPEED LIMIT, MINIMUM OFFSET. Rows include 40 OR LESS (15 FT), 45-50 (20 FT), 55 (25 FT), 60 MPH or HIGHER (30 FT).

TRAFFIC CONTROL DEVICES

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

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

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

PAVEMENT MARKINGS AND MARKERS

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

Table with columns: ROAD NAME, MARKING, MARKER. Row 1: ALL ROADS, POLYUREA, PERMANENT RAISED.

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

Table with columns: ROAD NAME, MARKING, MARKER. Row 1: ALL ROADS, PAINT, TEMPORARY RAISED. Row 2: STRUCTURE, COLD APPLIED PLASTIC TYPE IV (TAPE), TEMPORARY RAISED.

Y) 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.

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

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

BB) TRACE THE (EXISTING AND/OR PROPOSED) MONOLITHIC ISLAND LOCATIONS WITH THE PROPER COLOR PAVEMENT MARKING PRIOR TO (REMOVAL AND/OR INSTALLATION). PLACE (DRUMS, CONES, OR TUBULAR MARKERS) TO DELINEATE ANY (EXISTING AND/OR PROPOSED) MONOLITHIC ISLANDS (AFTER REMOVAL AND/OR BEFORE INSTALLATION).

TEMPORARY/FINAL SIGNALS

CC) AT THE DIRECTION OF THE ENGINEER, INSTALL NEW MESSENGER CABLE TO RESERVE AN ATTACHMENT LOCATION ON THE POLE LINE FOR THE NCDOT FIBER OPTIC CABLE.

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.

PROJECT NOTES section containing: APPROVED: (signature), DATE: 2/24/08, SEAL, PROJECT NOTES title, SCALE: NONE, DATE: 8/07, DWG. BY: KPB, DESIGN BY: KPB, REVIEWED BY: JWG, REVISIONS table, and NCDOT logo.

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PHASING

PROJ. REFERENCE NO.	SHEET NO.
U-2510A	TCP-3

PHASE I

NOTE: AT THE DIRECTION OF THE ENGINEER, INSTALL NEW MESSENGER CABLE TO RESERVE AN ATTACHMENT LOCATION ON THE NEW POLE LINE FOR THE NCDOT FIBER OPTIC CABLE.

STEP 1: - CONTRACTOR SHALL PLACE ADVANCE WORK ZONE WARNING SIGNS ALONG EXISTING NC 16 (-L-) AND ALL -Y- LINES (SEE SHEET TCP-58).

- FURNISH AND INSTALL ALL "NO PARKING-TOW AWAY ZONE" SIGNS, AS SHOWN ON SHEET TCP-59, ON NC 16 (-L-) EVERY 1,000 FEET, OR AS DIRECTED BY THE ENGINEER.

- CONTRACTOR SHALL INSTALL CHANGEABLE MESSAGE SIGNS (CMS) ON NC-16 (-L-) AND NC 84 (-Y4-) AS DIRECTED BY THE ENGINEER.

STEP 2: - THE FOLLOWING NOTES ARE APPLICABLE FOR PHASE I, STEP 2.

NOTE: CONTRACTOR SHALL PLACE TRAFFIC BACK INTO THE EXISTING PATTERN 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/TEMPORARY 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, IN 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) ALONG & ACROSS EXISTING NC 16 (-L-) AND ALL -Y- LINES/DRIVEWAYS, AS DIRECTED BY THE ENGINEER (SEE CONSTRUCTION PLANS).

-- CONSTRUCT TEMPORARY PAVEMENT, UP TO THE EDGE AND ELEVATION OF EXISTING PAVEMENT, ON RIGHT SIDE OF EXISTING NC 16 (-L-) FROM STA. 85+15 +/- -L- TO STA. 86+45 +/- -L-, INSTALL WATER FILLED BARRIER & TEMPORARY SHORING, AND BEGIN INSTALLATION OF PROPOSED 54" DRAINAGE PIPE & CONSTRUCTION OF PROPOSED RIGHT SIDE OF NC 16 (-L-) (SEE CONSTRUCTION PLANS AND SHEETS TCP-9 & TCP-18).

-- CONSTRUCT TEMPORARY PAVEMENT, UP TO THE EDGE AND ELEVATION OF EXISTING PAVEMENT, ON RIGHT SIDE OF EXISTING NC 16 (-L-) FROM STA. 116+08 +/- -L- TO STA. 117+64 +/- -L-, INSTALL WATER FILLED BARRIER & TEMPORARY SHORING, AND BEGIN INSTALLATION OF PROPOSED 30" DRAINAGE PIPE & CONSTRUCTION OF PROPOSED RIGHT SIDE OF NC 16 (-L-) (SEE CONSTRUCTION PLANS AND SHEETS TCP-10 & TCP-20).

-- CONSTRUCT TEMPORARY PAVEMENT, UP TO THE EDGE AND ELEVATION OF EXISTING PAVEMENT, ON RIGHT SIDE OF EXISTING NC 16 (-L-) FROM STA. 122+50 +/- -L- TO STA. 128+50 +/- -L-, PLACE TEMPORARY PAVEMENT MARKINGS & TEMPORARY RAISED PAVEMENT MARKERS, SHIFT TRAFFIC LEFT TO A TWO-LANE, TWO-WAY INTERMEDIATE TRAFFIC PATTERN, INSTALL PORTABLE CONCRETE BARRIER & TEMPORARY SHORING, AND BEGIN CONSTRUCTION OF STAGE I OF PROPOSED BRIDGE (SEE CONSTRUCTION PLANS AND SHEETS TCP-10 & TCP-21).

NOTE: CONSTRUCT PROPOSED RELOCATED DRIVEWAY (-D1-) AT STA. 122+50 +/- -L- (SEE CONSTRUCTION PLANS AND SHEET TCP-21).

-- CONSTRUCT TEMPORARY PAVEMENT, UP TO THE EDGE AND ELEVATION OF EXISTING PAVEMENT, ON RIGHT SIDE OF EXISTING NC 16 (-L-) FROM STA. 193+34 +/- -L- TO STA. 194+90 +/- -L-, PLACE TEMPORARY PAVEMENT MARKINGS & TEMPORARY RAISED PAVEMENT MARKERS, SHIFT TRAFFIC LEFT TO A TWO-LANE, TWO-WAY INTERMEDIATE TRAFFIC PATTERN, INSTALL WATER FILLED BARRIER & TEMPORARY SHORING, AND BEGIN INSTALLATION OF PROPOSED 72" DRAINAGE PIPE & CONSTRUCTION OF PROPOSED RIGHT SIDE OF NC 16 (-L-) (SEE CONSTRUCTION PLANS AND SHEETS TCP-11 & TCP-26).

-- CONSTRUCT TEMPORARY PAVEMENT, UP TO THE EDGE AND ELEVATION OF EXISTING PAVEMENT ON LEFT SIDE OF NC 16 (-L-) FROM STA. 63+00 +/- -L- TO STA. 81+00 +/- -L- (SEE CONSTRUCTION PLANS AND SHEETS TCP-8 & TCP-9).

-- CONSTRUCT PROPOSED WIDENING BOTH SIDES (UTILIZING PAVING & WEDGING OPERATIONS ACROSS EXISTING PAVEMENT AS REQUIRED) OF NC 16 (-L-), REA ROAD (SR 2948), ALLISON WOODS DRIVE (SR 3627/-Y10-) & SR 5701 (-Y11-) (INCLUDING PROPOSED SHOULDERS, PROPOSED CURB & GUTTER, AND PROPOSED DRAINAGE) UP TO, BUT NOT INCLUDING THE FINAL LAYER OF SURFACE COURSE AS FOLLOWS (SEE CONSTRUCTION PLANS AND SHEETS TCP-5, TCP-11 & TCP-12):

STA. 18+00 +/- -L- TO STA. 31+00 +/- -L-.
STA. 197+00 +/- -L- TO STA. 207+40 +/- -L-.

-- CONSTRUCT, AS MUCH AS POSSIBLE UTILIZING A TEMPORARY SLOPE OF 2:1 AS REQUIRED, THE LEFT SIDE OF PROPOSED WIDENING FOR A TWO LANE SECTION & THREE LANE SECTION (FOR SIGNALIZED INTERSECTION AREAS) AND PROPOSED MEDIAN (GRASS/CONCRETE ISLANDS, AS MUCH AS POSSIBLE) OF NC 16 (-L-) FROM STA. 31+00 +/- -L- TO STA. 63+00 -L- [INCLUDING REA ROAD (SR 2948), BLUEBIRD LANE (-Y2A-), ALL DRIVEWAYS, PROPOSED CURB & GUTTER AND PROPOSED DRAINAGE] UP TO, BUT NOT INCLUDING THE FINAL LAYER OF SURFACE COURSE (SEE CONSTRUCTION PLANS AND SHEETS TCP-5 THRU TCP-8).

-- PLACE TEMPORARY PAVEMENT MARKINGS (PAINT) AND TEMPORARY RAISED PAVEMENT MARKERS, AS MUCH AS POSSIBLE WITHOUT INTERFERING WITH TRAFFIC, ON NEWLY COMPLETED WIDENING/TEMPORARY PAVEMENT LEFT SIDE OF NC 16 (-L-) FROM STA. 18+00 +/- -L- TO STA. 81+00 +/- -L- (SEE SHEETS TCP-13 THRU TCP-17).

-- INSTALL TEMPORARY SIGNALS (BUT DO NOT ACTIVATE) AT THE INTERSECTIONS OF NC 16 (-L-) & REA ROAD AND NC 16 (-L-) & NC 84 (-Y4-) FOR PHASE II INTERMEDIATE TRAFFIC PATTERNS (SEE SIGNAL PLANS AND SHEETS TCP-13 AND TCP-16).

-- MAY INSTALL PROPOSED SIGNAL (BUT DO NOT ACTIVATE) AT THE INTERSECTIONS OF NC 16 (-L-) & BELICOURT DRIVE (-Y6-) FOR FINAL TRAFFIC PATTERNS (SEE SIGNAL PLANS & SHEET PM-10).

-- MAY BEGIN CONSTRUCTION OF PROPOSED SIDEWALKS AS DIRECTED BY THE ENGINEER (SEE CONSTRUCTION PLANS).

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

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

-- PLACE REMAINDER TEMPORARY PAVEMENT MARKINGS (PAINT) AND TEMPORARY RAISED PAVEMENT MARKERS ON NEWLY COMPLETED WIDENING/TEMPORARY PAVEMENT LEFT SIDE OF NC 16 (-L-) FROM STA. 18+00 +/- -L- TO STA. 81+00 +/- -L-, ACTIVATE TEMPORARY SIGNALS AT THE INTERSECTIONS OF NC 16 (-L-) & REA ROAD AND NC 16 (-L-) & NC 84 (-Y4-), AND SHIFT TRAFFIC TO THE INTERMEDIATE TRAFFIC PATTERN (SEE SIGNAL PLANS AND SHEETS TCP-13 THRU TCP-17).

NOTE: CONTRACTOR SHALL PLACE TYPE III BARRICADES & DRUMS AT ALL -Y- LINES AND DRUMS AT ALL DRIVEWAYS TO KEEP EXISTING CLOSED TO TRAFFIC.

NOTE: TRAFFIC IS NOW IN A TWO-LANE, TWO-WAY TRAFFIC PATTERN ON THE LEFT SIDE OF NEWLY COMPLETED NC-16 (-L-) FROM STA. 18+00 +/- -L- TO STA. 63+0 +/- -L-, TEMPORARY PAVEMENT FROM STA. 63+00 +/- -L- TO STA. 81+00 +/- -L- AND EXISTING TRAFFIC PATTERN FROM STA. 81+00 +/- -L- TO STA. 207+40 +/- -L- (SEE SHEETS TCP-13 THRU TCP-27).

PHASE II

NOTE: AT THE DIRECTION OF THE ENGINEER, INSTALL NEW MESSENGER CABLE TO RESERVE AN ATTACHMENT LOCATION ON THE NEW POLE LINE FOR THE NCDOT FIBER OPTIC CABLE.

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

NOTE: CONTRACTOR SHALL PLACE TRAFFIC BACK INTO THE EXISTING PATTERN 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, IN 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:

-- CONSTRUCT, AS MUCH AS POSSIBLE UTILIZING A TEMPORARY SLOPE OF 2:1 AS REQUIRED, THE RIGHT SIDE OF PROPOSED WIDENING FOR A TWO LANE SECTION & THREE LANE SECTION (FOR SIGNALIZED INTERSECTION AREAS) AND PROPOSED MEDIAN (GRASS/CONCRETE ISLANDS, AS MUCH AS POSSIBLE) OF NC 16 (-L-) FROM STA. 31+00 +/- -L- TO STA. 197+00 +/- -L- [MAINTAINING ACCESS TO NC 84 (-Y4-)] [INCLUDING OLD MILL ROAD (SR 1392/-Y2-), ALL DRIVEWAYS, PROPOSED CURB & GUTTER AND PROPOSED DRAINAGE] UP TO, BUT NOT INCLUDING THE FINAL LAYER OF SURFACE COURSE (SEE CONSTRUCTION PLANS AND SHEETS TCP-13 THRU TCP-27).

-- COMPLETE CONSTRUCTION OF THE FOLLOWING BEGAN IN PHASE I, STEP 2:

--- INSTALLATION OF PROPOSED 54" DRAINAGE PIPE & CONSTRUCTION OF PROPOSED RIGHT SIDE OF NC 16 (-L-) (INCLUDING PORTABLE CONCRETE BARRIER) (SEE CONSTRUCTION PLANS AND SHEETS TCP-18 & TCP-33).

--- INSTALLATION OF PROPOSED 30" DRAINAGE PIPE & CONSTRUCTION OF PROPOSED RIGHT SIDE OF NC 16 (-L-) (INCLUDING WATER FILLED BARRIER) (SEE CONSTRUCTION PLANS AND SHEETS TCP-20 & TCP-35).

--- CONSTRUCTION OF STAGE I OF PROPOSED BRIDGE (INCLUDING ANCHORED PORTABLE CONCRETE BARRIER) AND PROPOSED RELOCATED DRIVEWAY (-D1-) AT STA. 122+50 +/- -L- (SEE CONSTRUCTION PLANS AND SHEETS TCP-21 & TCP-36).

--- INSTALLATION OF PROPOSED 72" DRAINAGE PIPE & CONSTRUCTION OF PROPOSED RIGHT SIDE OF NC 16 (-L-) (INCLUDING TEMPORARY SHORING AND INSTALL WATER FILLED BARRIER) (SEE CONSTRUCTION PLANS AND SHEETS TCP-26 & TCP-41).

-- CONSTRUCT, UTILIZING WEDGING & PAVING OPERATIONS, PROPOSED NC 84 (-Y4-) FROM STA. 10+00 +/- -Y4- TO STA. 23+50 -Y4-, & PROPOSED WEDDINGTON-MATTHEWS ROAD (SR 1344/-Y12-) FROM STA. 10+00 +/- -Y12- TO STA. 11+95 +/- -Y12- (INCLUDING ALL DRIVEWAYS, PROPOSED CURB & GUTTER AND PROPOSED DRAINAGE, BUT NOT INCLUDING PROPOSED CONCRETE ISLANDS) UP TO, BUT NOT INCLUDING THE FINAL LAYER OF SURFACE COURSE (SEE CONSTRUCTION PLANS AND SHEETS TCP-16 & TCP-16A).

-- CONSTRUCT, UTILIZING WEDGING & PAVING OPERATIONS, PROPOSED HEMBY ROAD (SR 1346/-Y5-) FROM STA. 10+00 +/- -Y5- TO STA. 20+00 -Y5-, (INCLUDING ALL DRIVEWAYS, PROPOSED CURB & GUTTER AND PROPOSED DRAINAGE, BUT NOT INCLUDING PROPOSED CONCRETE ISLANDS) UP TO, BUT NOT INCLUDING THE FINAL LAYER OF SURFACE COURSE (SEE CONSTRUCTION PLANS & SHEET TCP-19).

-- INSTALL TEMPORARY SIGNALS (BUT DO NOT ACTIVATE) AT THE INTERSECTIONS OF NC 16 (-L-) & REA ROAD, NC 16 (-L-) & NC 84 (-Y4-), NC 16 (-L-) & HEMBY ROAD (-Y5-/SR 1346), NC 16 (-L-) & PROVIDENCE COUNTRY CLUB DRIVE (-Y8-) AND NC 16 (-L-) & ARDREY KELL ROAD (SR 3632/-Y9-) FOR PHASE III INTERMEDIATE TRAFFIC PATTERNS (SEE SIGNAL PLANS AND SHEETS TCP-28, TCP-31, TCP-34, TCP-39 & TCP-40).

-- PLACE TEMPORARY PAVEMENT MARKINGS (PAINT ON ASPHALT & TAPE ON STRUCTURE) AND TEMPORARY RAISED PAVEMENT MARKERS, AS MUCH AS POSSIBLE WITHOUT INTERFERING WITH TRAFFIC, ON NEWLY COMPLETED PROPOSED WIDENING/STRUCTURE RIGHT SIDE OF NC 16 (-L-) FROM STA. 18+00 +/- -L- TO STA. 207+40 +/- -L-, NC 84 (-Y4-) & HEMBY ROAD (SR 1346/-Y5-) (SEE SHEETS TCP-28 THRU TCP-42).

-- MAY BEGIN CONSTRUCTION OF PROPOSED SIDEWALKS AS DIRECTED BY THE ENGINEER (SEE CONSTRUCTION PLANS).

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

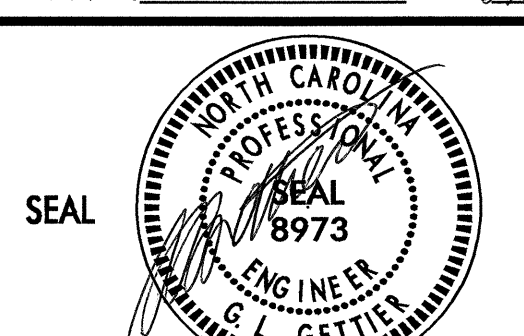
STEP 2: - CONTRACTOR SHALL, USING ROADWAY STANDARD DRAWING NO. 1101.02, SHEET 1, & 2 OF 9:

-- PLACE REMAINDER OF TEMPORARY PAVEMENT MARKINGS (PAINT ON ASPHALT & TAPE ON STRUCTURE) AND TEMPORARY RAISED PAVEMENT MARKERS ON NEWLY COMPLETED PROPOSED WIDENING/STRUCTURE RIGHT SIDE OF NC 16 (-L-), FROM STA. 18+00 +/- -L- TO STA. 207+40 +/- -L-, NC 84 (-Y4-) & HEMBY ROAD (SR 1346/-Y5-), SHIFT TRAFFIC TO PHASE III INTERMEDIATE TRAFFIC PATTERN AND ACTIVATE TEMPORARY SIGNALS AT THE INTERSECTIONS OF NC 16 (-L-) & REA ROAD, NC 16 (-L-) & NC 84 (-Y4-), NC 16 (-L-) & HEMBY ROAD (-Y5-/SR 1346), NC 16 (-L-) & PROVIDENCE COUNTRY CLUB DRIVE (-Y8-), & NC 16 (-L-) & ARDREY KELL ROAD (SR 3632/-Y9-) (SEE SIGNAL PLANS AND SHEETS TCP-28 THRU TCP-42).

NOTE: CONTRACTOR SHALL PLACE TYPE III BARRICADES & DRUMS AT ALL -Y- LINES AND DRUMS AT ALL DRIVEWAYS TO KEEP EXISTING CLOSED TO TRAFFIC.

NOTE: THE CONTRACTOR SHALL PLACE DRUMS ALONG THE DOUBLE YELLOW CENTER LINE, TO MAINTAIN AN INTERMEDIATE ONE-LANE, ONE-WAY TRAFFIC PATTERN ON PROPOSED OUTSIDE LANE OF SOUTHBOUND NC 16 (-L-) FROM STA. 18+00 +/- -L- TO STA. 63+50 +/- -L- (SEE SHEETS TCP-28 THRU TCP-31).

NOTE: TRAFFIC IS NOW IN A TWO-LANE, TWO-WAY DIVIDED TRAFFIC PATTERN (PROPOSED OUTSIDE LANES) OF NEWLY COMPLETED NC-16 (-L-) FROM STA. 18+00 +/- -L- TO STA. 63+50 +/- -L- AND TWO-LANE, TWO-WAY TRAFFIC PATTERN ON THE NEWLY COMPLETED WIDENING RIGHT SIDE OF NC-16 (-L-) FROM STA. 63+50 +/- -L- TO STA. 207+40 +/- -L- (SEE SHEETS TCP-28 THRU TCP-42).

APPROVED: _____ DATE: 28 Aug 07	<h2>PHASING</h2> <h3>(SHEET 1 OF 2)</h3>		REVISIONS
			SCALE: NONE
	DATE: 8/07		
	DWG. BY: KPB		
	DESIGN BY: KPB		
	REVIEWED BY: JWG		

PHASE III

NOTE: AT THE DIRECTION OF THE ENGINEER, INSTALL NEW MESSENGER CABLE TO RESERVE AN ATTACHMENT LOCATION ON THE NEW POLE LINE FOR THE NCDOT FIBER OPTIC CABLE.

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

- NOTE: CONTRACTOR SHALL PLACE TRAFFIC BACK INTO THE EXISTING PATTERN 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, IN 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:

- CONSTRUCT THE LEFT SIDE OF PROPOSED WIDENING AND PROPOSED MEDIAN (GRASS/CONCRETE ISLANDS, AS MUCH AS POSSIBLE) OF NC 16 (-L-) FROM STA. 63+00 +/- -L- TO STA. 197+00 +/- -L- [INCLUDING KING'S MANOR DRIVE, BELICOURT DRIVE (-Y6-), CHANCELOT DRIVE (-Y7-), PROVIDENCE COUNTRY CLUB DRIVE (-Y8-), GOLF LINKS DRIVE (-Y9A-), ALL DRIVEWAYS, PROPOSED CURB & GUTTER AND PROPOSED DRAINAGE]] UP TO, BUT NOT INCLUDING THE FINAL LAYER OF SURFACE COURSE (SEE CONSTRUCTION PLANS AND SHEETS TCP-31 THRU TCP-41).
- INSTALL PORTABLE CONCRETE BARRIER AND INSTALL REMAINDER OF PROPOSED 54" DRAINAGE PIPE AT STA. 85+75 +/- -L- (SEE CONSTRUCTION PLANS AND SHEET TCP-33).
- INSTALL WATER FILLED BARRIER AND INSTALL REMAINDER OF PROPOSED 30" DRAINAGE PIPE AT STA. 116+80 +/- -L- (SEE CONSTRUCTION PLANS AND SHEET TCP-35).
- CONSTRUCT STAGE II OF PROPOSED BRIDGE (SEE CONSTRUCTION PLANS AND SHEET TCP-36).
- INSTALL TEMPORARY SHORING & WATER FILLED BARRIER & INSTALL REMAINDER OF PROPOSED 72" DRAINAGE PIPE AT STA. 194+25 +/- -L- (SEE CONSTRUCTION PLANS AND SHEET TCP-41).
- CONSTRUCT PROPOSED WEDDINGTON SCHOOL ROAD (SR 1317/-Y3-) FROM STA. 10+00 +/- -Y3- TO STA. 12+46 +/- -Y3- (INCLUDING PROPOSED CURB & GUTTER AND PROPOSED DRAINAGE) UP TO, BUT NOT INCLUDING THE FINAL LAYER OF SURFACE COURSE (SEE CONSTRUCTION PLANS AND SHEET TCP-31).

NOTE: THIS CONSTRUCTION WILL REQUIRE THAT THE EXISTING ROADWAY BE CUT AND SINCE THERE IS NO OUTLET THE CONTRACTOR SHALL, AS DIRECTED BY THE ENGINEER, USE ROADWAY STANDARD DRAWING NO. 1101.02, SHEET 1 OF 9, PLACE AGGREGATE BASE COURSE, INCIDENTAL STONE OR ASPHALT BASE COURSE & BINDER COURSE TO MAINTAIN ACCESS TO RESIDENTS.

CONTRACTOR SHALL PLACE TEMPORARY PAVEMENT MARKINGS (PAINT) ON ASPHALT BINDER/SURFACE COURSE OR DRUMS ON AGGREGATE BASE COURSE/INCIDENTAL STONE TO DELINEATE THE TRAVELWAY DURING CONSTRUCTION.

- CONSTRUCT, UTILIZING WEDGING & PAVING OPERATIONS, PROPOSED ARDREY KELL ROAD (SR 3632/-Y9-) FROM STA. 10+50 +/- -Y9- TO STA. 20+56 -Y9- (BUT NOT INCLUDING PROPOSED CONCRETE ISLANDS), (INCLUDING ALL DRIVEWAYS, PROPOSED CURB & GUTTER AND PROPOSED DRAINAGE) UP TO, BUT NOT INCLUDING THE FINAL LAYER OF SURFACE COURSE (SEE CONSTRUCTION PLANS AND SHEET TCP-40).
- MAY CONSTRUCT REMAINDER OF PROPOSED GRASS MEDIAN AND/OR CONCRETE ISLANDS ON PROPOSED NC 16 (-L-) FROM STA. 21+90 +/- -L- TO STA. 55+00 +/- -L-, PROPOSED NC 84 (-Y4-) & PROPOSED HEMBY ROAD (SR 1346/-Y5-) AND PLACE TEMPORARY PAVEMENT MARKINGS & TEMPORARY RAISED PAVEMENT MARKERS FOR INTERMEDIATE TRAFFIC PATTERN (SEE CONSTRUCTION PLANS AND SHEETS TCP-28 THRU TCP-30, TCP-31, TCP-31A AND TCP-34).

NOTE: FOR THOSE AREAS NOT CONSTRUCTED IN PHASE II, AS DIRECTED BY THE ENGINEER, CONTRACTOR SHALL INSTALL WATER FILLED BARRIER ON NC 16 (-L-) FROM STA. 30+52 +/- -L- TO STA. 55+00 +/- -L- TO REMOVED MEDIAN PAVEMENT AND CONSTRUCT PROPOSED GRASS MEDIAN WITH CURB & GUTTER (SEE SHEETS TCP-28 THRU TCP-30).

- MAY BEGIN CONSTRUCTION OF PROPOSED SIDEWALKS AS DIRECTED BY THE ENGINEER (SEE CONSTRUCTION PLANS).
- INSTALL TEMPORARY SIGNALS (BUT DO NOT ACTIVATE) AT THE INTERSECTIONS OF NC 16 (-L-) & NC 84 (-Y4-), NC 16 (-L-) & HEMBY ROAD (-Y5-/SR 1346), NC 16 (-L-) & PROVIDENCE COUNTRY CLUB DRIVE (-Y8-) AND NC 16 (-L-) & ARDREY KELL ROAD (SR 3632/-Y9-) FOR PHASE IV INTERMEDIATE TRAFFIC PATTERNS (SEE SIGNAL PLANS AND SHEETS TCP-46, TCP-49, TCP-54, & TCP-55).

-- PLACE TEMPORARY PAVEMENT MARKINGS (PAINT) AND TEMPORARY RAISED PAVEMENT MARKERS, AS MUCH AS POSSIBLE WITHOUT INTERFERING WITH TRAFFIC, ON NEWLY COMPLETED WIDENING PAVEMENT LEFT SIDE OF NC 16 (-L-) FROM STA. 52+50 +/- -L- TO STA. 207+40 +/- -L- FOR PHASE IV TEMPORARY TRAFFIC PATTERNS (SEE SHEETS TCP-45 THRU TCP-57).

CONTRACTOR SHALL WORK IN A CONTINUOUS MANNER TO COMPLETE THE WORK OF PHASE III, 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 ON ASPHALT & TAPE ON STRUCTURE) AND TEMPORARY RAISED PAVEMENT MARKERS ON NEWLY COMPLETED PROPOSED WIDENING PAVEMENT LEFT SIDE OF NC 16 (-L-), AND ALL -Y- LINES FROM STA. 52+50 +/- -L- TO STA. 207+40 +/- -L-, SHIFT TRAFFIC TO A TWO-LANE, TWO-WAY DIVIDED TRAFFIC PATTERN (PROPOSED OUTSIDE LANES) AND ACTIVATE TEMPORARY SIGNALS AT THE INTERSECTIONS OF NC 16 (-L-) & NC 84 (-Y4-), NC 16 (-L-) & HEMBY ROAD (-Y5-/SR 1346), NC 16 (-L-) & PROVIDENCE COUNTRY CLUB DRIVE (-Y8-) AND NC 16 (-L-) & ARDREY KELL ROAD (SR 3632/-Y9-) FOR PHASE IV INTERMEDIATE TRAFFIC PATTERNS (SEE SIGNAL PLANS AND SHEETS TCP-43 THRU TCP-57).

NOTE: THE CONTRACTOR SHALL PLACE DRUMS ALONG THE DOUBLE YELLOW CENTER LINE, TO MAINTAIN AN INTERMEDIATE ONE-LANE, ONE-WAY TRAFFIC PATTERN ON PROPOSED OUTSIDE LANE OF NORTHBOUND NC 16 (-L-).

NOTE: CONTRACTOR SHALL PLACE TYPE III BARRICADES & DRUMS TO CLOSE PROPOSED INSIDE LANES & MEDIAN OF NC 16 (-L-).

NOTE: TRAFFIC IS NOW IN A TWO-LANE, TWO-WAY DIVIDED TRAFFIC PATTERN (PROPOSED OUTSIDE LANES) OF NEWLY COMPLETED NC-16 (-L-) FROM STA. 18+00 +/- -L- TO STA. 207+40 +/- -L- (SEE SHEETS TCP-43 THRU TCP-57).

PHASE IV

NOTE: AT THE DIRECTION OF THE ENGINEER, INSTALL NEW MESSENGER CABLE TO RESERVE AN ATTACHMENT LOCATION ON THE NEW POLE LINE FOR THE NCDOT FIBER OPTIC CABLE.

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

- CONSTRUCT PROPOSED CONCRETE ISLANDS ON NC 84 (-Y4-), WEDDINGTON SCHOOL ROAD (SR 1317/-Y3-), HEMBY ROAD (SR 1346/-Y5-), & ARDREY KELL ROAD (SR 3632/-Y9-), PLACE TEMPORARY PAVEMENT MARKINGS & TEMPORARY RAISED PAVEMENT MARKERS FOR INTERMEDIATE TRAFFIC PATTERN (SEE CONSTRUCTION PLANS & SHEETS TCP-31, TCP-31A, TCP-34, TCP-46 & TCP-55).
- CONSTRUCT REMAINDER OF PROPOSED CONCRETE ISLANDS, GRASS MEDIAN WITH CURB & GUTTER (NOT CONSTRUCTED IN PHASE II & PHASE III) AND PROPOSED DRAINAGE ON PROPOSED NC 16 (-L-), PROPOSED NC 84 (-Y4) & PROPOSED HEMBY ROAD (SR 1346/-Y5-) (SEE CONSTRUCTION PLANS AND SHEETS TCP-43 THRU TCP-57).

NOTE: AS DIRECTED BY THE ENGINEER, CONTRACTOR INSTALL WATER FILLED BARRIER IN THOSE AREAS (SEE BELOW) ON NC 16 (-L-) WHERE EXISTING PAVEMENT IS TO BE REMOVED. THE CONTRACTOR SHALL ONLY WORK ONE AREA OR PARTIAL AREA AT A TIME (IN ANY SEQUENCE), OR MULTIPLE/PARTIAL AREAS AS DIRECTED BY THE ENGINEER.

- STA. 49+49 +/- -L- TO STA. 51+50 +/- -L-
- STA. 55+00 +/- -L- TO STA. 64+15 +/- -L-
- STA. 66+80 +/- -L- TO STA. 68+78 +/- -L-
- STA. 179+50 +/- -L- TO STA. 191+50 +/- -L-
- STA. 197+00 +/- -L- TO STA. 204+63 +/- -L-

-- CONSTRUCT REMAINDER OF PROPOSED SIDEWALKS (SEE CONSTRUCTION PLANS).

-- INSTALL REVISED/PROPOSED SIGNALS AT THE INTERSECTIONS OF NC 16 (-L-) & REA ROAD, NC 16 (-L-) & NC 84 (-Y4-), NC 16 (-L-) & HEMBY ROAD (-Y5-/SR 1346), NC 16 (-L-) & BELICOURT DRIVE (-Y6-), NC 16 (-L-) & PROVIDENCE COUNTRY CLUB DRIVE (-Y8-), ARDREY KELL ROAD (SR 3632/-Y9-) AND NC 16 & I-485 FOR FINAL TRAFFIC PATTERNS (SEE SIGNAL PLANS AND SHEETS PM-3, PM-5, PM-8, PM-10, PM-12, PM-13, & PM-15).

PHASE V

CONTRACTOR SHALL MAINTAIN A MINIMUM TWO-LANE, TWO-WAY TRAFFIC PATTERN, AS DIRECTED BY THE ENGINEER, WHEN UTILIZING LANE CLOSURES TO PAVE THE FINAL LAYER OF SURFACE COURSE, PLACE THE FINAL PAVEMENT MARKINGS (POLYUREA) AND INSTALL PERMANENT RAISED PAVEMENT MARKERS ON NC 16 (-L-).

STEP 1: - CONTRACTOR SHALL, USING ROADWAY STANDARD DRAWING NO. 1101.02, SHEET 1, 2 & 3 OF 9, PLACE THE FINAL LAYER OF SURFACE COURSE, PLACE FINAL PAVEMENT MARKINGS (POLYUREA) & INSTALL PERMANENT RAISED PAVEMENT MARKERS FOR NC 16 (-L-) AND ALL -Y- LINES IN THE FOLLOWING SEQUENCE:

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

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

A. KEEPING TRAFFIC IN THE INTERMEDIATE TRAFFIC PATTERN (PROPOSED OUTSIDE LANES) PAVE THE FINAL LAYER OF SURFACE COURSE FOR THE PROPOSED 12 FOOT INSIDE LANE(S), LEFT TURN LANES AND PLACE/INSTALL FINAL PAVEMENT MARKINGS (POLYUREA) & PERMANENT RAISED PAVEMENT MARKERS AS MUCH AS POSSIBLE (AS DIRECTED BY THE ENGINEER) ON NC 16 (-L-) (SEE CONSTRUCTION PLANS AND SHEETS PM-1 THRU PM-15).

CONTRACTOR SHALL PLACE TRAFFIC BACK INTO THE INTERMEDIATE TWO-LANE, TWO-WAY DIVIDED TRAFFIC PATTERN (PROPOSED OUTSIDE LANES) AT THE END OF EACH WORK PERIOD.

NOTE: THE CONTRACTOR SHALL REPEAT PHASE V, STEP 1A TO PAVE THE FINAL LAYER OF SURFACE COURSE FOR THE OPPOSITE DIRECTION 12 FOOT INSIDE LANE(S) AND LEFT TURN LANES (AS DIRECTED BY THE ENGINEER) OF NC 16 (-L-).

B. PLACE TRAFFIC IN THE INTERMEDIATE TRAFFIC PATTERN, PROPOSED INSIDE LANES OF NC 16 (-L-), INSTALL DRUMS TO KEEP PROPOSED OUTSIDE LANES CLOSED TO TRAFFIC AND ACTIVATE REVISED/PROPOSED SIGNALS AT THE INTERSECTIONS OF NC 16 (-L-) & REA ROAD, NC 16 (-L-) & NC 84 (-Y4-), NC 16 (-L-) & HEMBY ROAD (-Y5-/SR 1346), NC 16 (-L-) & BELICOURT DRIVE (-Y6-), NC 16 (-L-) & PROVIDENCE COUNTRY CLUB DRIVE (-Y8-), ARDREY KELL ROAD (SR 3632/-Y9-) AND NC 16 (-L-) & I-485.

PAVE THE FINAL LAYER OF SURFACE COURSE FOR THE PROPOSED 14 FOOT OUTSIDE LANE, RIGHT TURN LANES (AS DIRECTED BY THE ENGINEER), SHOULDERS, AND ALL -Y- LINES/DRIVEWAYS, AND PLACE/INSTALL THE FINAL PAVEMENT MARKINGS (POLYUREA) & PERMANENT RAISED PAVEMENT MARKERS AS MUCH AS POSSIBLE, AS DIRECTED BY THE ENGINEER (SEE CONSTRUCTION PLANS AND SHEETS PM-1 THRU PM-15).

CONTRACTOR SHALL PLACE TRAFFIC BACK INTO THE INTERMEDIATE TWO-LANE, TWO-WAY DIVIDED TRAFFIC PATTERN (PROPOSED INSIDE LANES) AT THE END OF EACH WORK PERIOD.

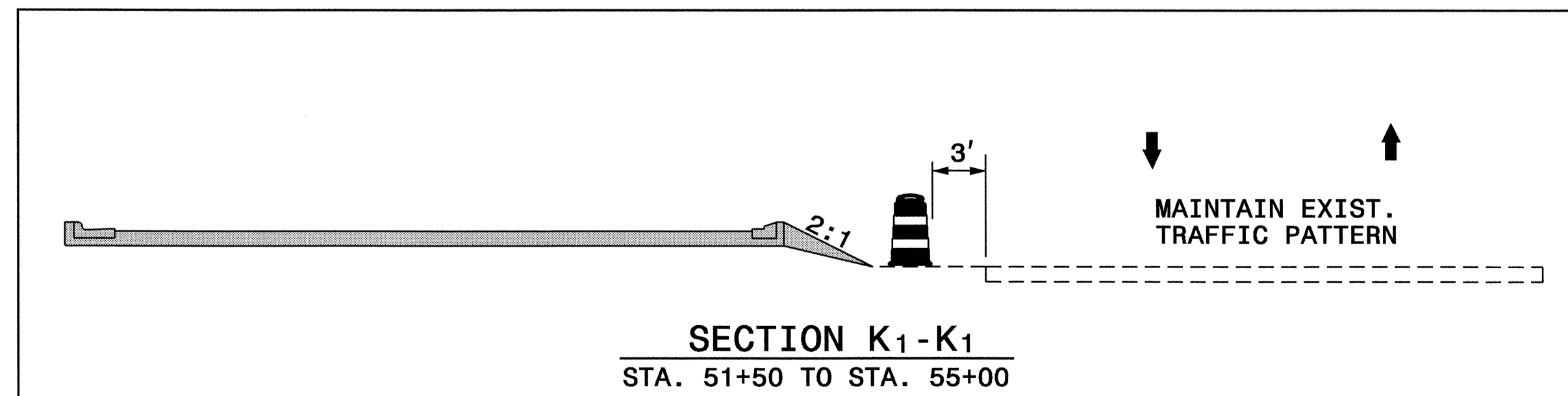
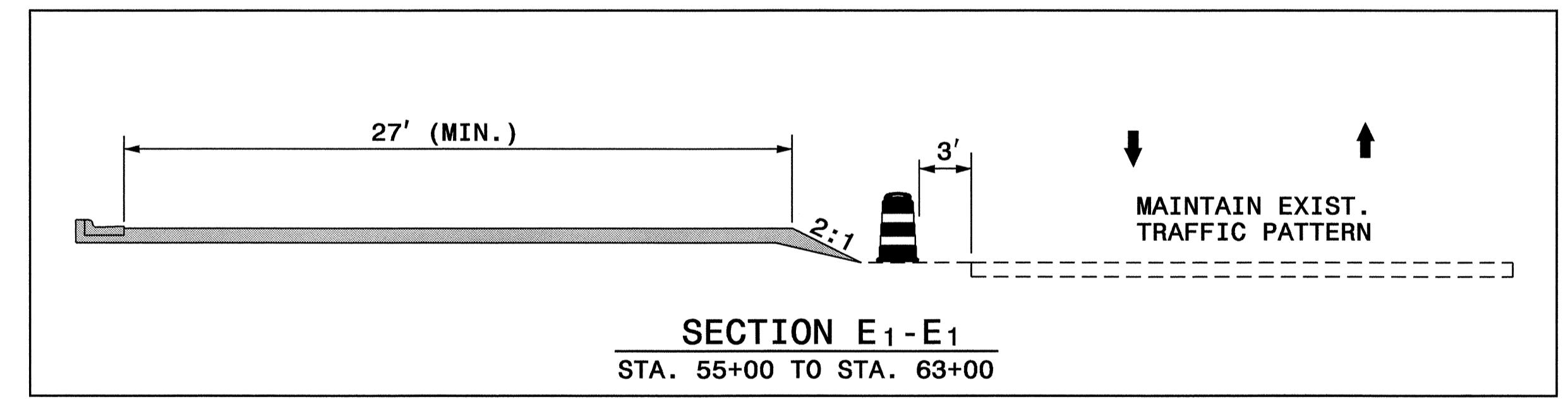
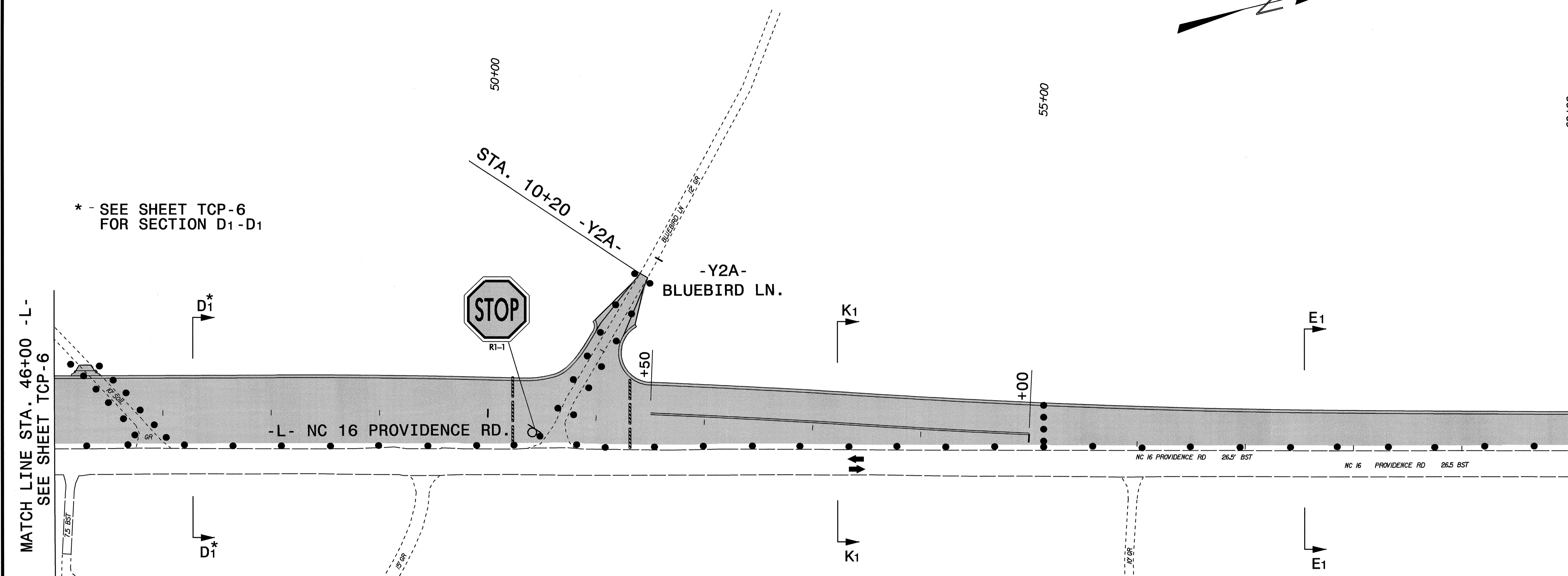
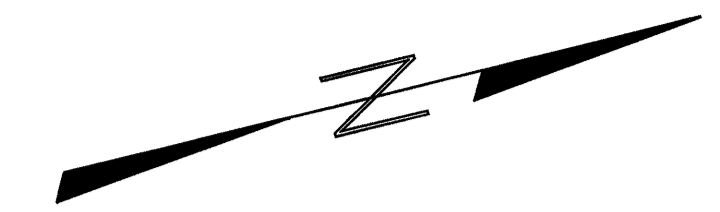
NOTE: THE CONTRACTOR SHALL REPEAT PHASE V, STEP 1B TO PAVE THE FINAL LAYER OF SURFACE COURSE FOR THE OPPOSITE 12 FOOT OUTSIDE LANE, RIGHT TURN LANES (AS DIRECTED BY THE ENGINEER), SHOULDERS, AND ALL -Y- LINES.

C. PLACE THE REMAINDER OF THE FINAL PAVEMENT MARKINGS (POLYUREA), PERMANENT RAISED PAVEMENT MARKERS AND OPEN NC 16 (-L-) AND ALL -Y- LINES TO THE FINAL TRAFFIC PATTERN. (SEE SHEETS PM-1 THRU PM-15).

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

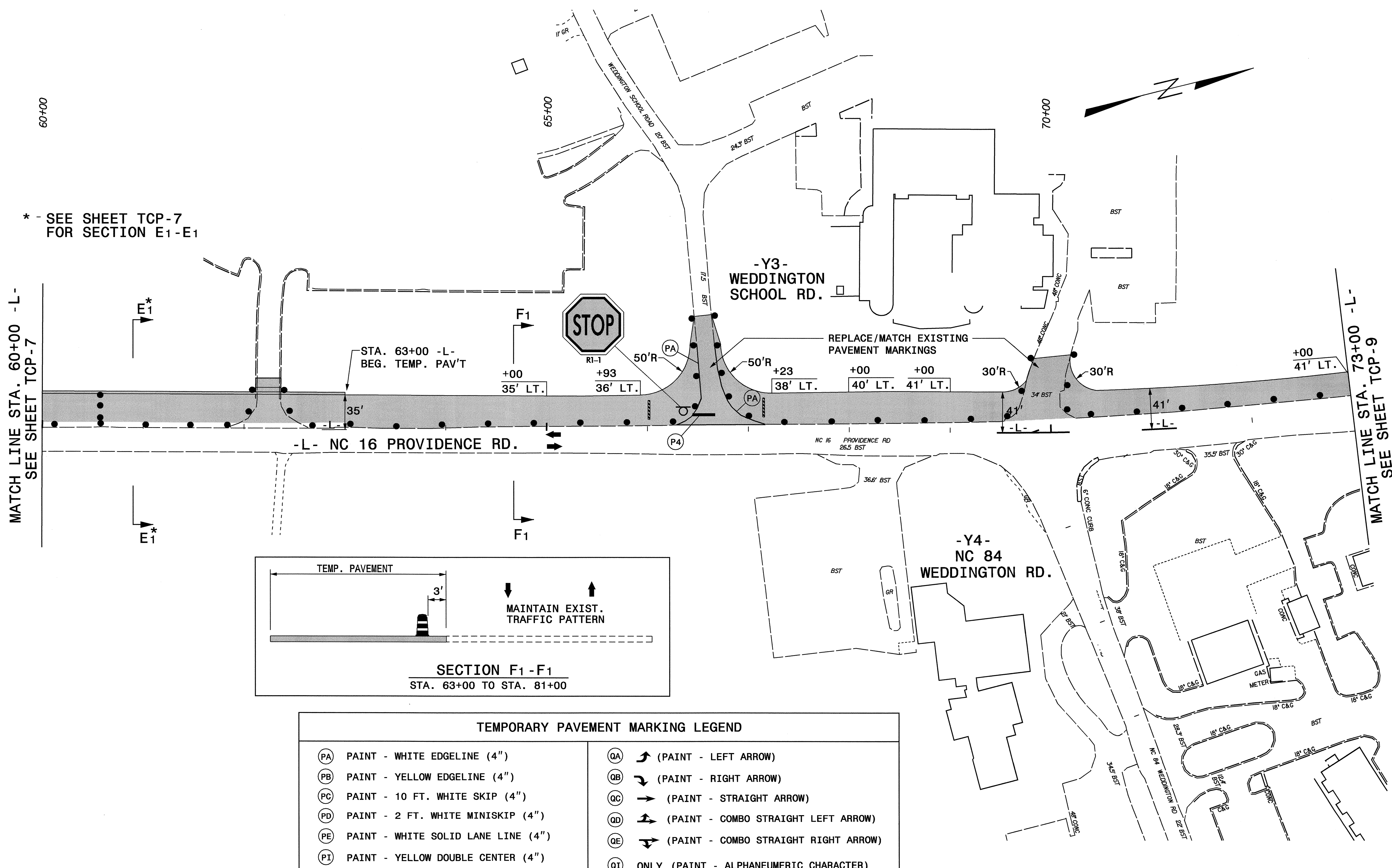
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APPROVED: _____ DATE: 24 Aug 07	PHASING (SHEET 2 OF 2)	
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	DATE: 8/07	
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	DESIGN BY: KPB	
	REVIEWED BY: JWG	CADD FILE



APPROVED: _____ DATE: <i>24 Aug 07</i>	PHASE I DETAILS	
SCALE: NONE		REVISIONS
DATE: 8/07		
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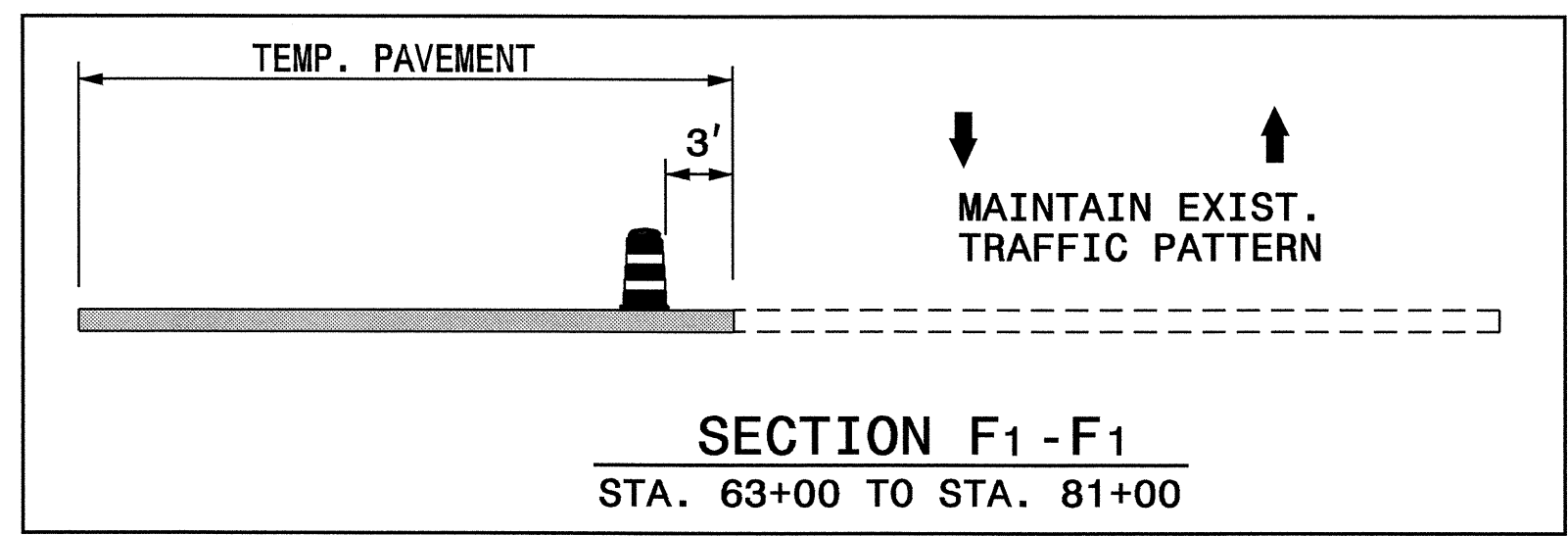
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* - SEE SHEET TCP-7 FOR SECTION E1-E1

MATCH LINE STA. 60+00 -L- SEE SHEET TCP-7

MATCH LINE STA. 73+00 -L- SEE SHEET TCP-9

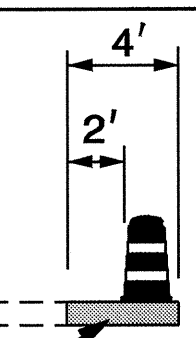


TEMPORARY PAVEMENT MARKING LEGEND	
(PA) PAINT - WHITE EDGELINE (4")	(QA) ↗ (PAINT - LEFT ARROW)
(PB) PAINT - YELLOW EDGELINE (4")	(QB) ↘ (PAINT - RIGHT ARROW)
(PC) PAINT - 10 FT. WHITE SKIP (4")	(QC) → (PAINT - STRAIGHT ARROW)
(PD) PAINT - 2 FT. WHITE MINISKIP (4")	(QD) ↗↘ (PAINT - COMBO STRAIGHT LEFT ARROW)
(PE) PAINT - WHITE SOLID LANE LINE (4")	(QE) ↘↗ (PAINT - COMBO STRAIGHT RIGHT ARROW)
(PI) PAINT - YELLOW DOUBLE CENTER (4")	(QI) ONLY (PAINT - ALPHANEUMERIC CHARACTER)
(PV) PAINT - YELLOW DIAGONAL (8")	(QJ) 🚲 (PAINT - BICYCLE SYMBOL)
(PX) PAINT - WHITE CROSSWALK (8")	(QK) ↑ (PAINT - BICYCLE ARROW)
(P4) PAINT - WHITE STOPBAR (24")	
(RI) COLD APPLIED PLASTIC TYPE 4 (REM. TAPE) DOUBLE YELLOW CENTERLINE (4")	
(RA) COLD APPLIED PLASTIC TYPE 4 (REM. TAPE) WHITE EDGELINE (4")	

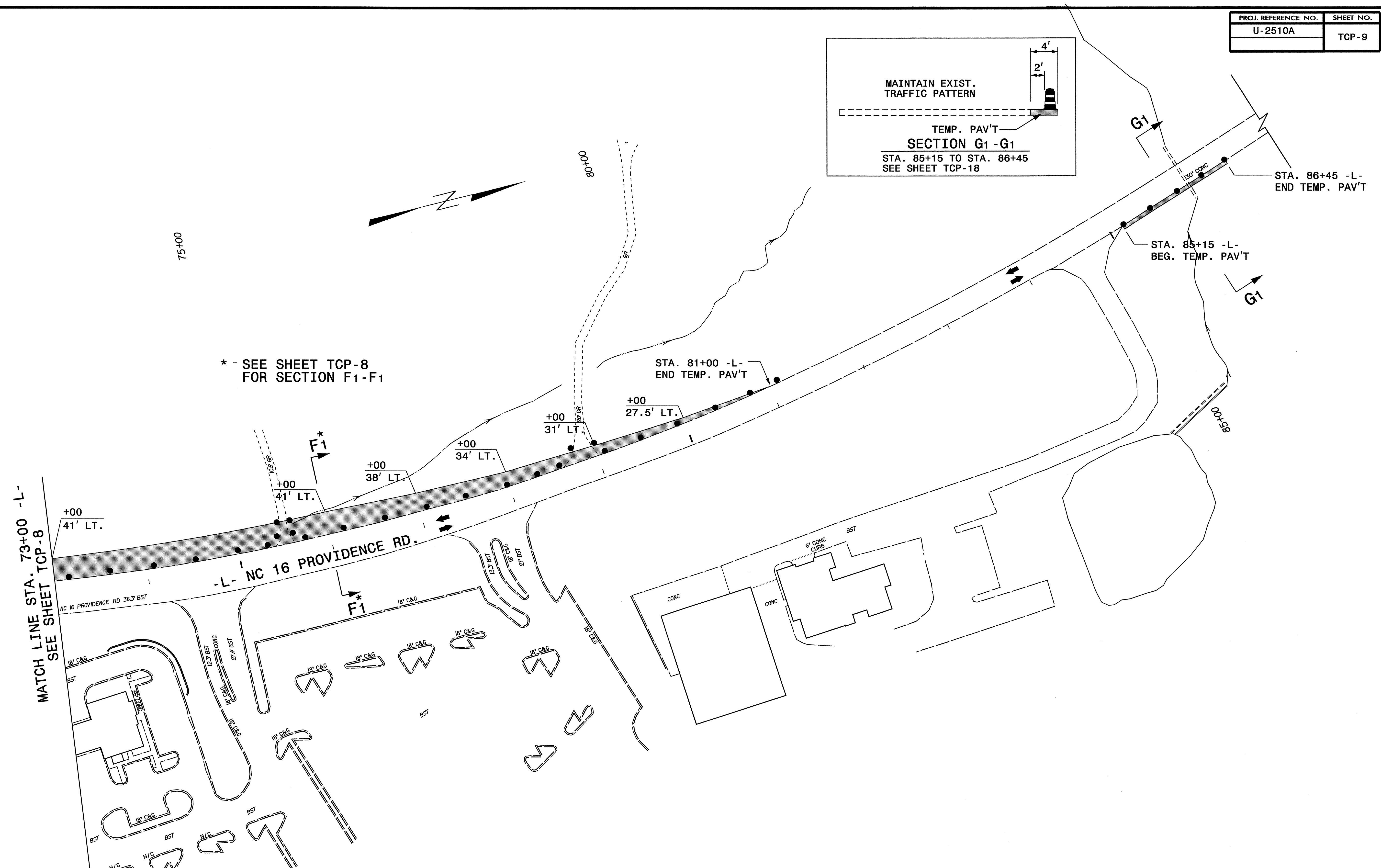
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MAINTAIN EXIST. TRAFFIC PATTERN



TEMP. PAV'T
SECTION G1-G1
STA. 85+15 TO STA. 86+45
SEE SHEET TCP-18


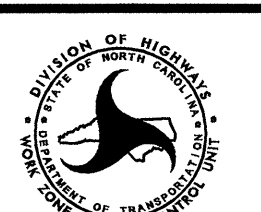


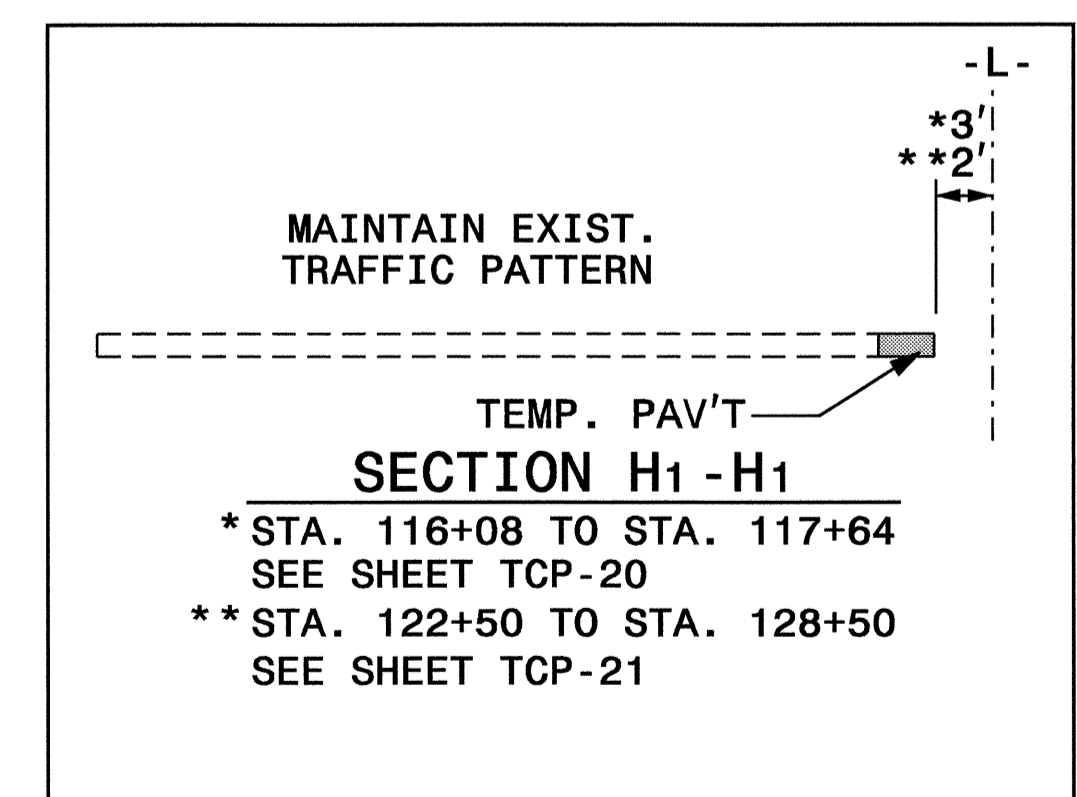
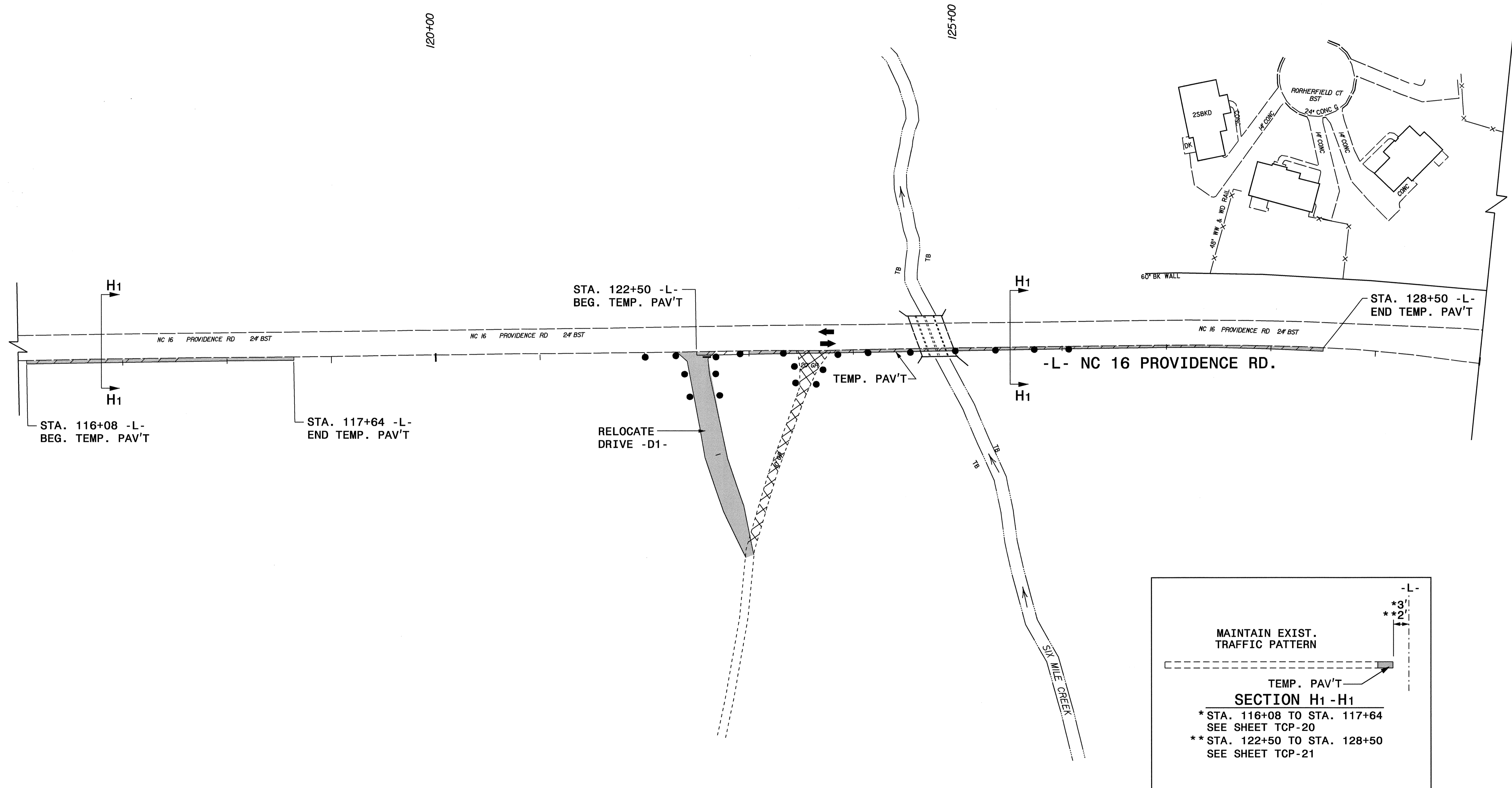
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MATCH LINE STA. 73+00 -L-
SEE SHEET TCP-8

-L- NC 16 PROVIDENCE RD.

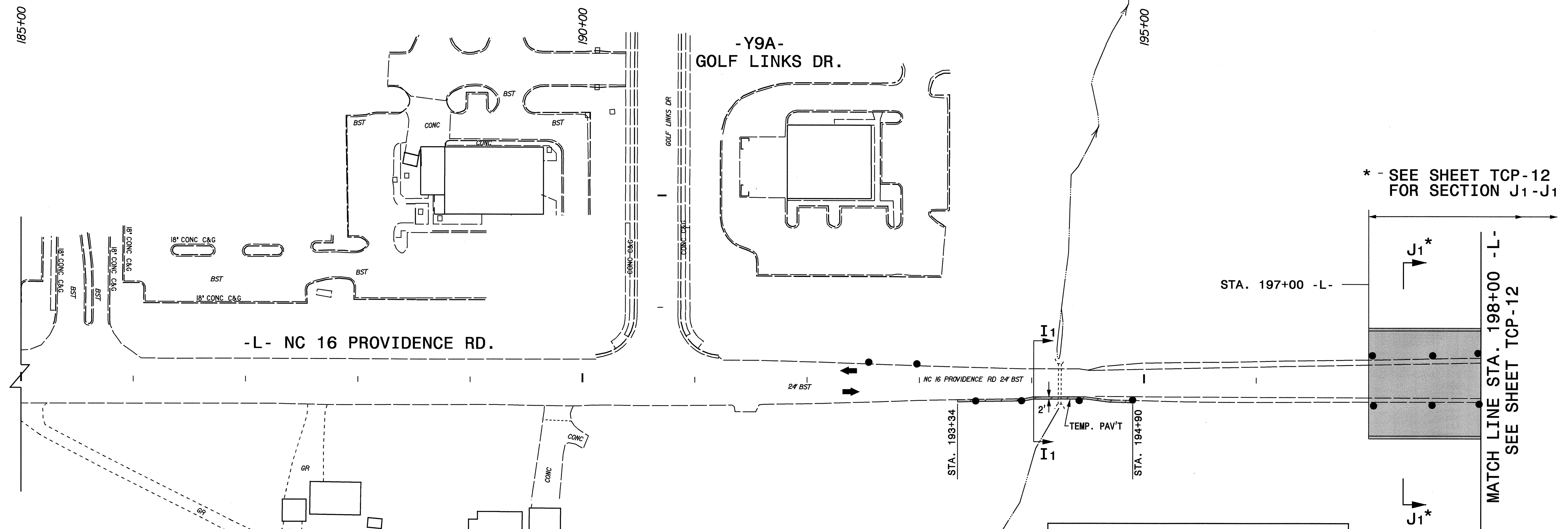
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DATE: 8/07										
DWG. BY: KPB										
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REVIEWED BY: JWG	CADD FILE									



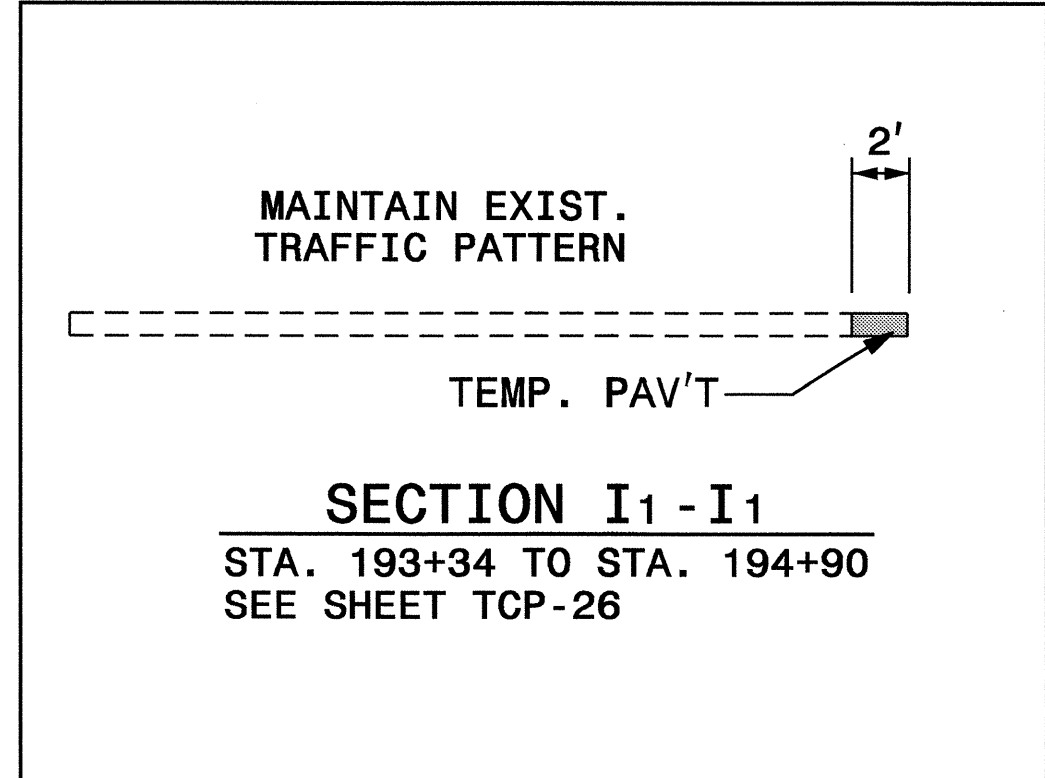
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APPROVED: _____ DATE: 8/07	PHASE I DETAILS							
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* - SEE SHEET TCP-12 FOR SECTION J1-J1

MATCH LINE STA. 198+00 -L-
SEE SHEET TCP-12

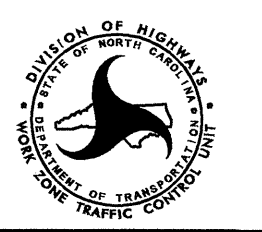


APPROVED: _____ DATE: 24 Aug 07



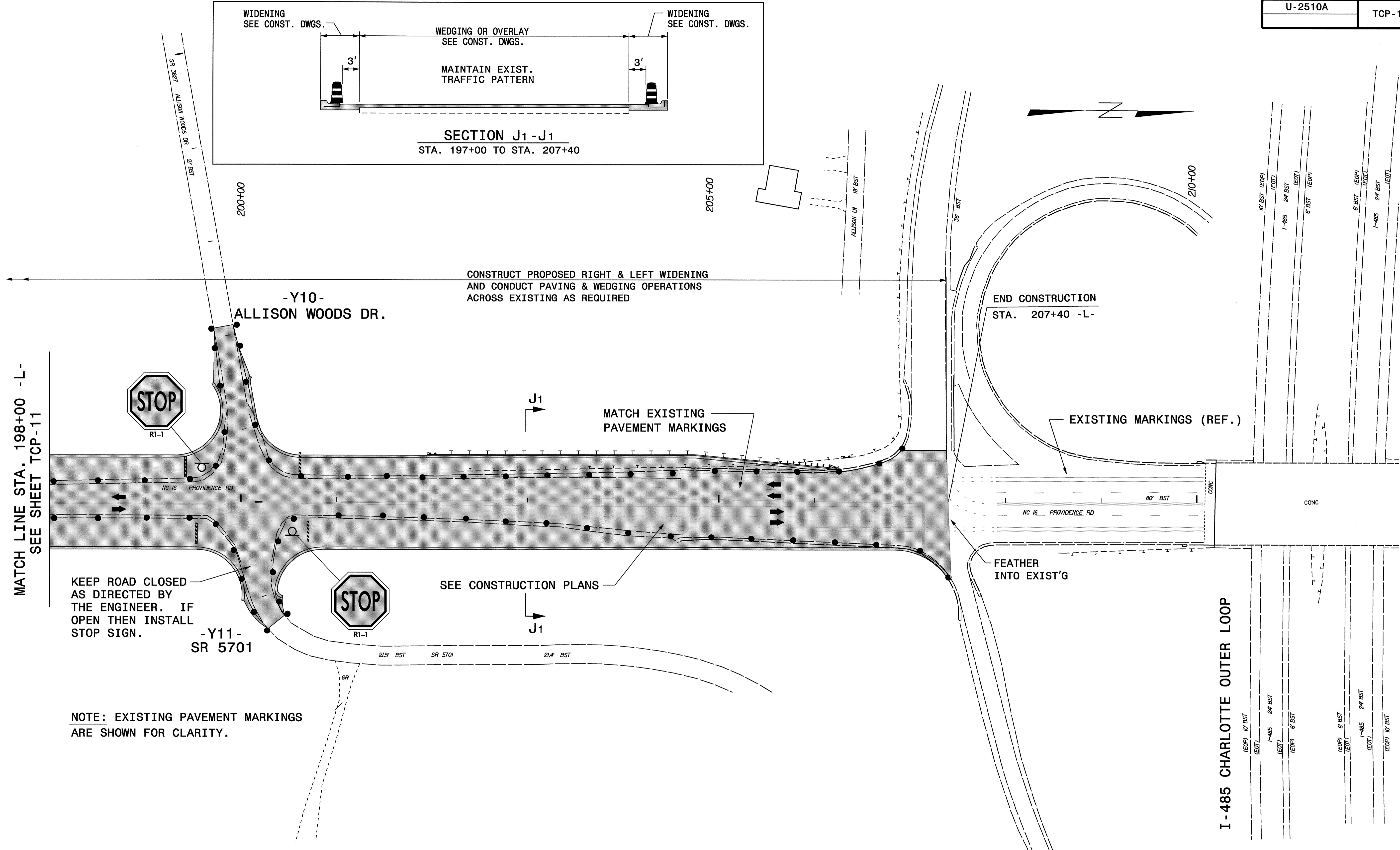
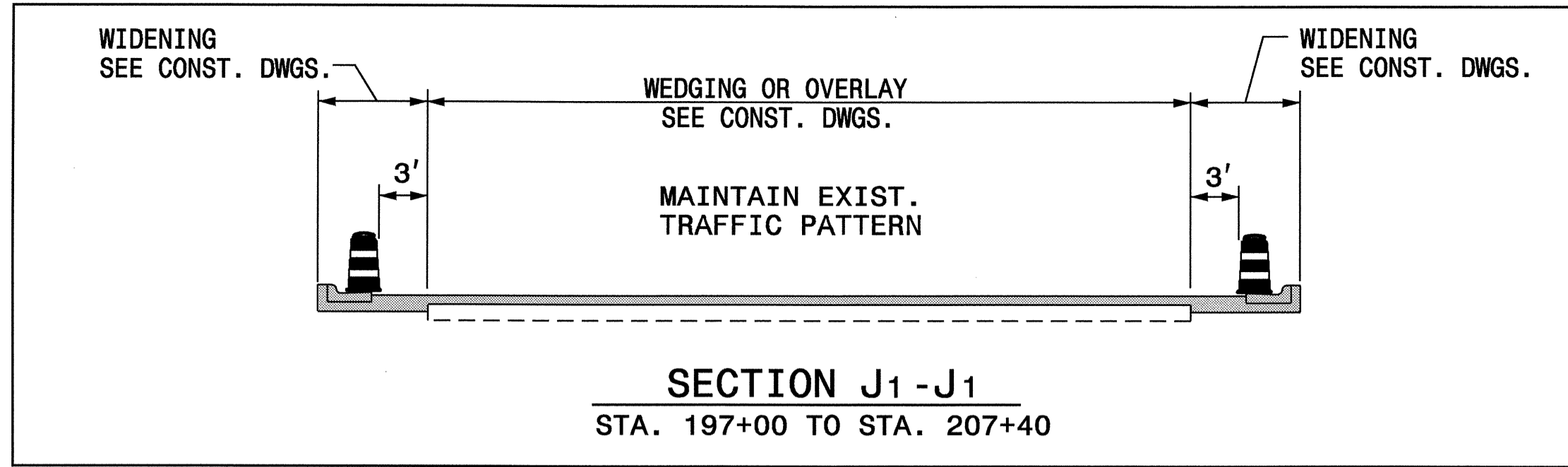
PHASE I DETAILS

SCALE: NONE
 DATE: 8/07
 DWG. BY: KPB
 DESIGN BY: KPB
 REVIEWED BY: JWG



REVISIONS	

23-AUG-2007 15:21
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 KDR:Gadwell, A. WZTC224240



MATCH LINE STA. 198+00 -L-
SEE SHEET TCP-11

KEEP ROAD CLOSED AS DIRECTED BY THE ENGINEER. IF OPEN THEN INSTALL STOP SIGN.

SEE CONSTRUCTION PLANS

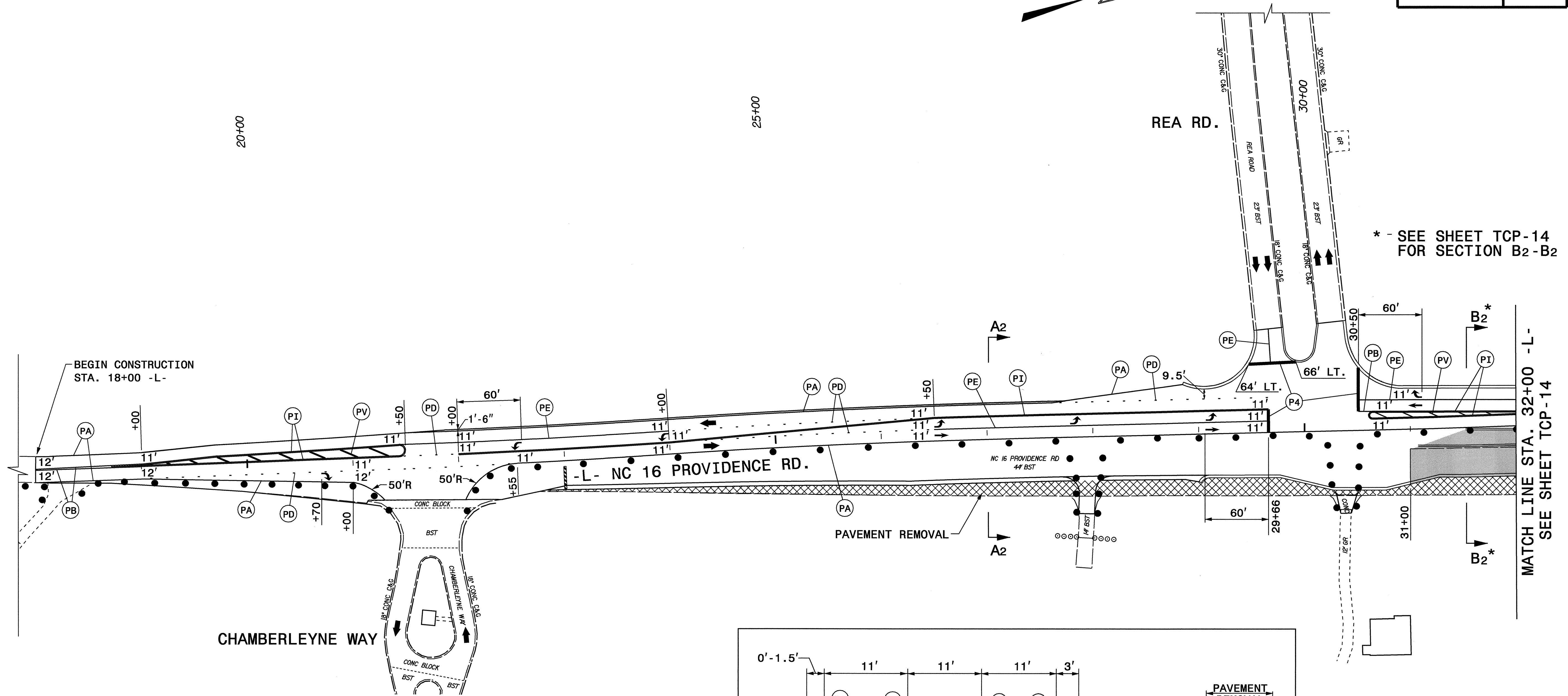
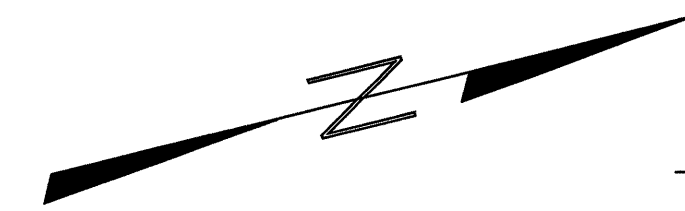
NOTE: EXISTING PAVEMENT MARKINGS ARE SHOWN FOR CLARITY.

END CONSTRUCTION
STA. 207+40 -L-

I-485 CHARLOTTE OUTER LOOP

23-AUG-2007 09:32
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 kbrogwell AT WZTC224240

APPROVED: _____ DATE: <i>24 Aug 07</i>	PHASE I DETAILS		
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REVIEWED BY: <i>JWG</i>			



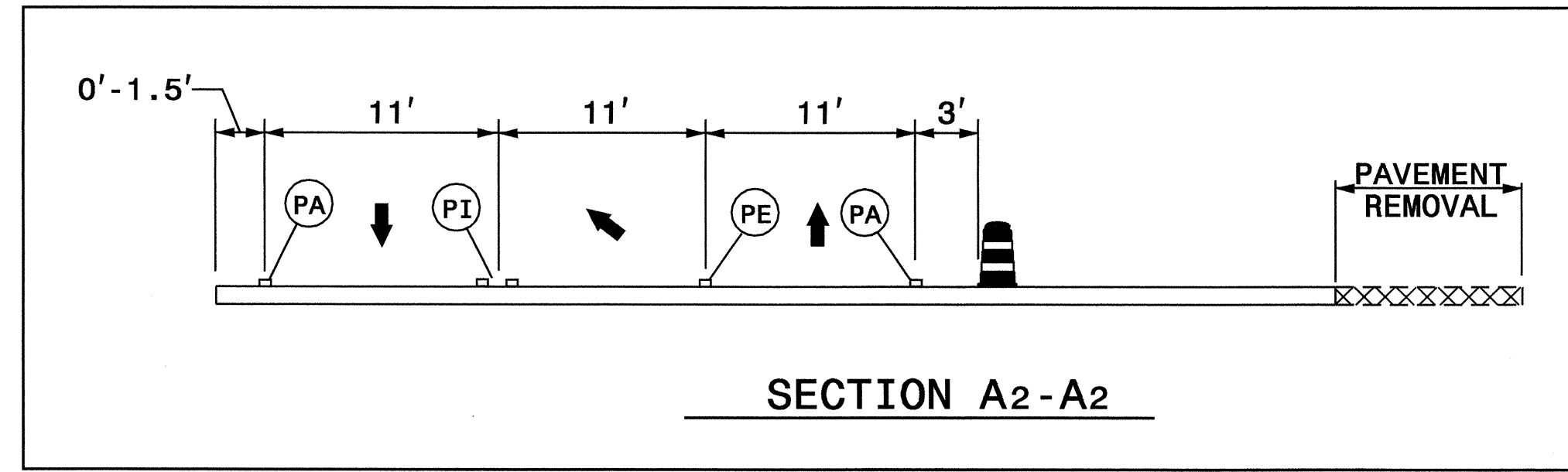
CHAMBERLEYNE WAY

-L- NC 16 PROVIDENCE RD.

REA RD.

* - SEE SHEET TCP-14 FOR SECTION B2-B2

MATCH LINE STA. 32+00 -L- SEE SHEET TCP-14



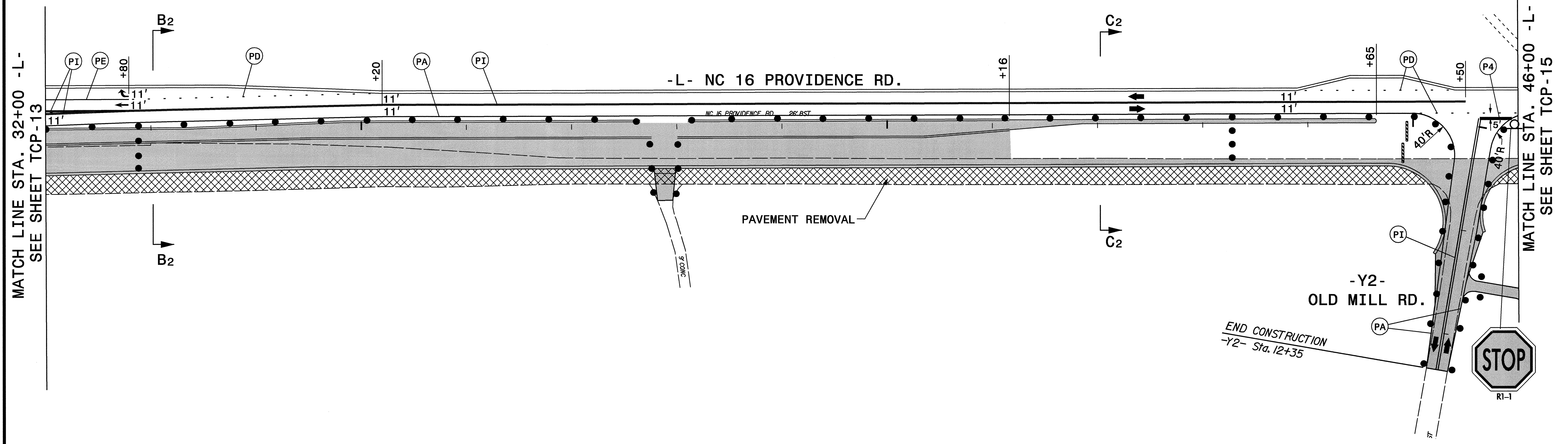
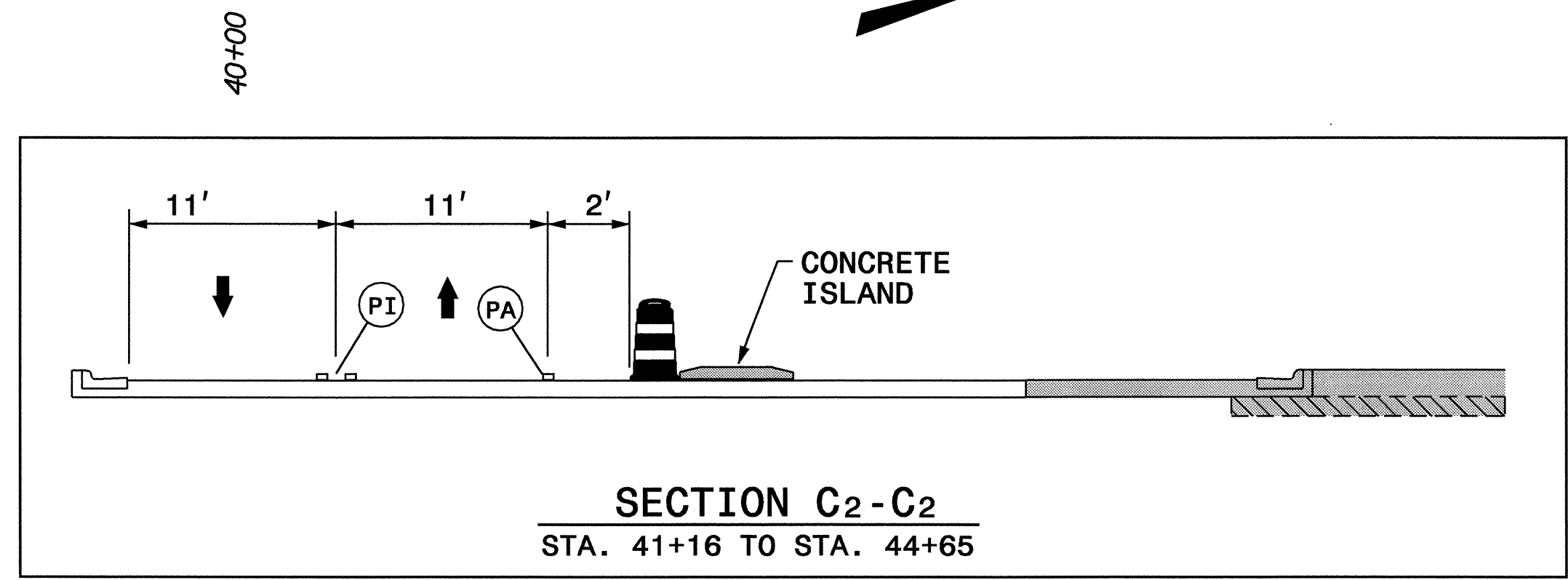
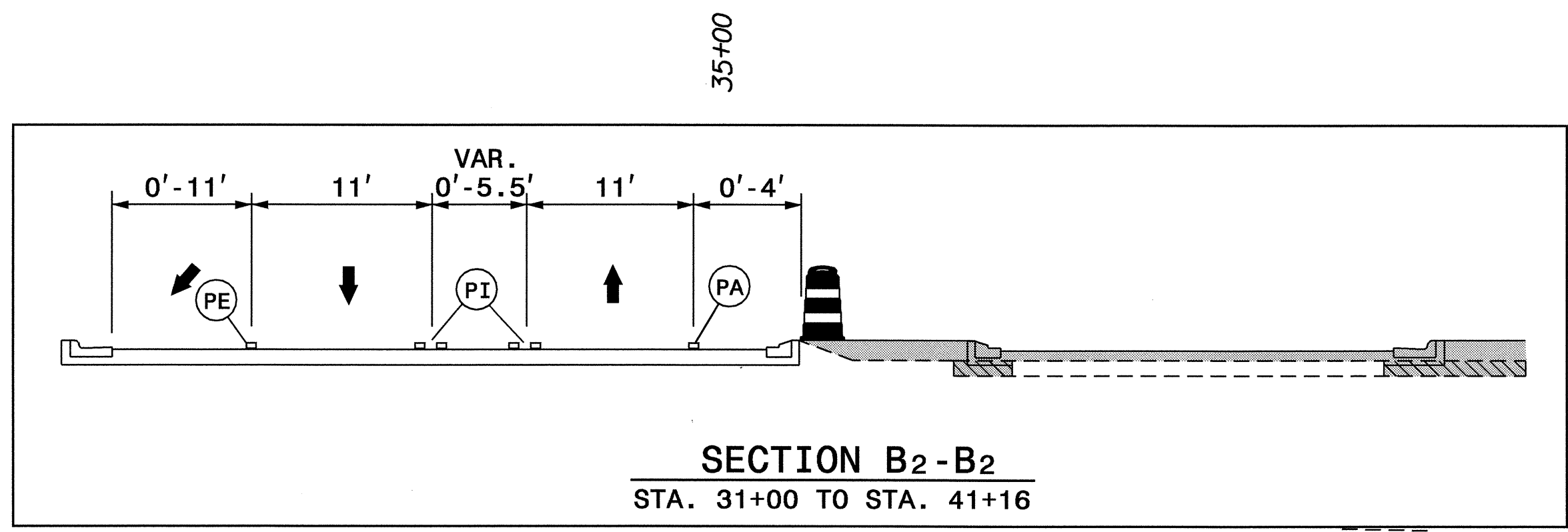
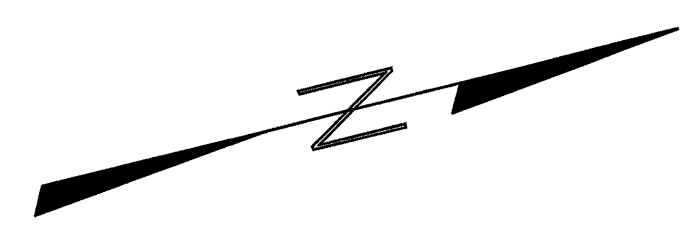
SECTION A2-A2

TEMPORARY PAVEMENT MARKING LEGEND

(PA) PAINT - WHITE EDGELINE (4")	(QA) ↙ (PAINT - LEFT ARROW)
(PB) PAINT - YELLOW EDGELINE (4")	(QB) ↘ (PAINT - RIGHT ARROW)
(PC) PAINT - 10 FT. WHITE SKIP (4")	(QC) → (PAINT - STRAIGHT ARROW)
(PD) PAINT - 2 FT. WHITE MINISKIP (4")	(QD) ↔ (PAINT - COMBO STRAIGHT LEFT ARROW)
(PE) PAINT - WHITE SOLID LANE LINE (4")	(QE) ↗ (PAINT - COMBO STRAIGHT RIGHT ARROW)
(PI) PAINT - YELLOW DOUBLE CENTER (4")	(QI) ONLY (PAINT - ALPHANEUMERIC CHARACTER)
(PV) PAINT - YELLOW DIAGONAL (8")	(QJ) 🚲 (PAINT - BICYCLE SYMBOL)
(PX) PAINT - WHITE CROSSWALK (8")	(QK) ↑ (PAINT - BICYCLE ARROW)
(P4) PAINT - WHITE STOPBAR (24")	
(RI) COLD APPLIED PLASTIC TYPE 4 (REM. TAPE) DOUBLE YELLOW CENTERLINE (4")	
(RA) COLD APPLIED PLASTIC TYPE 4 (REM. TAPE) WHITE EDGELINE (4")	

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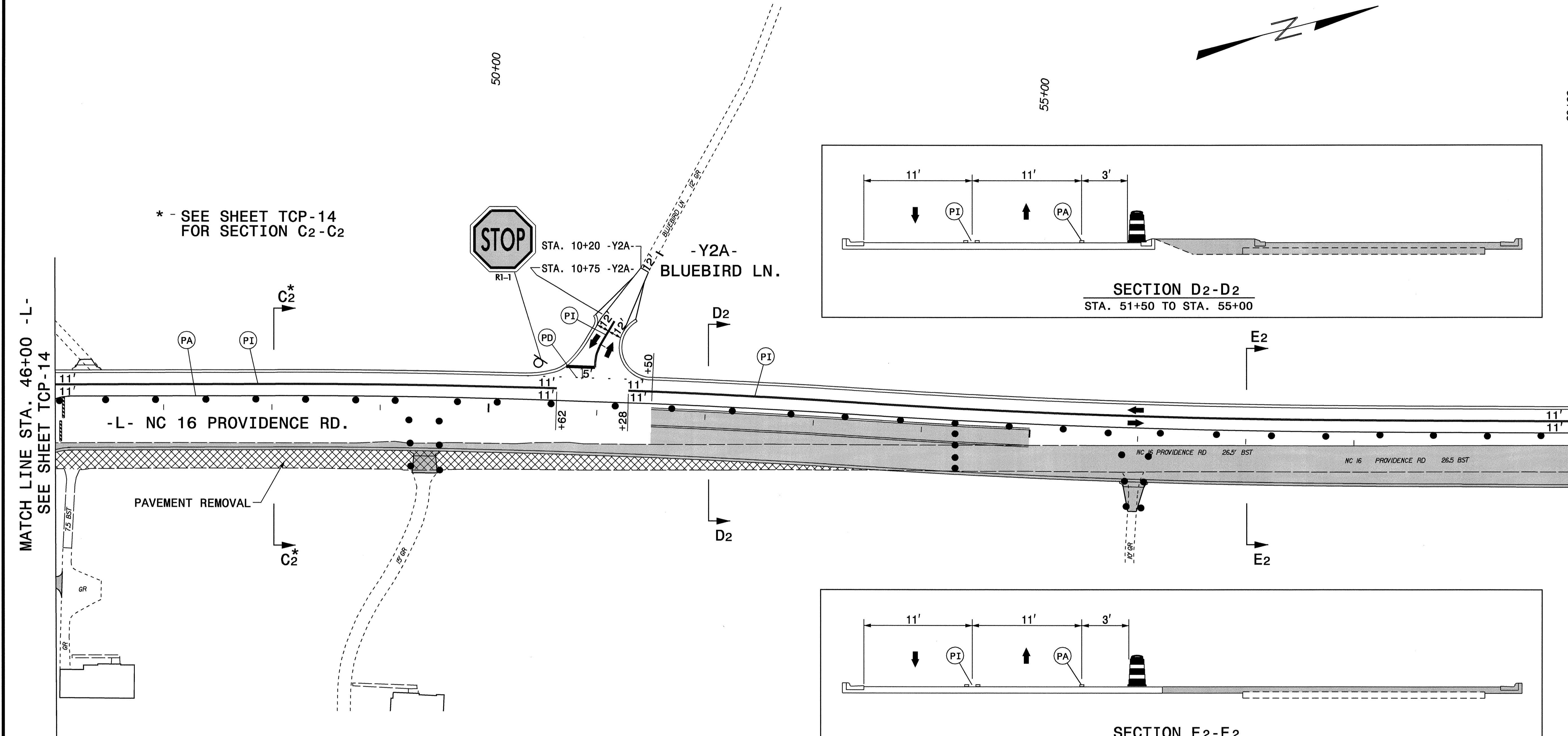
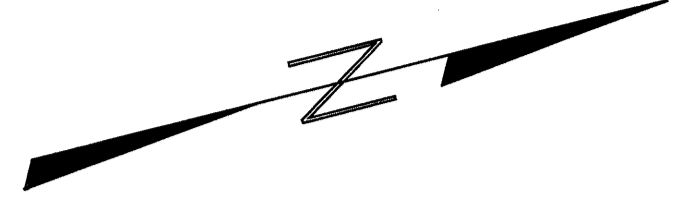
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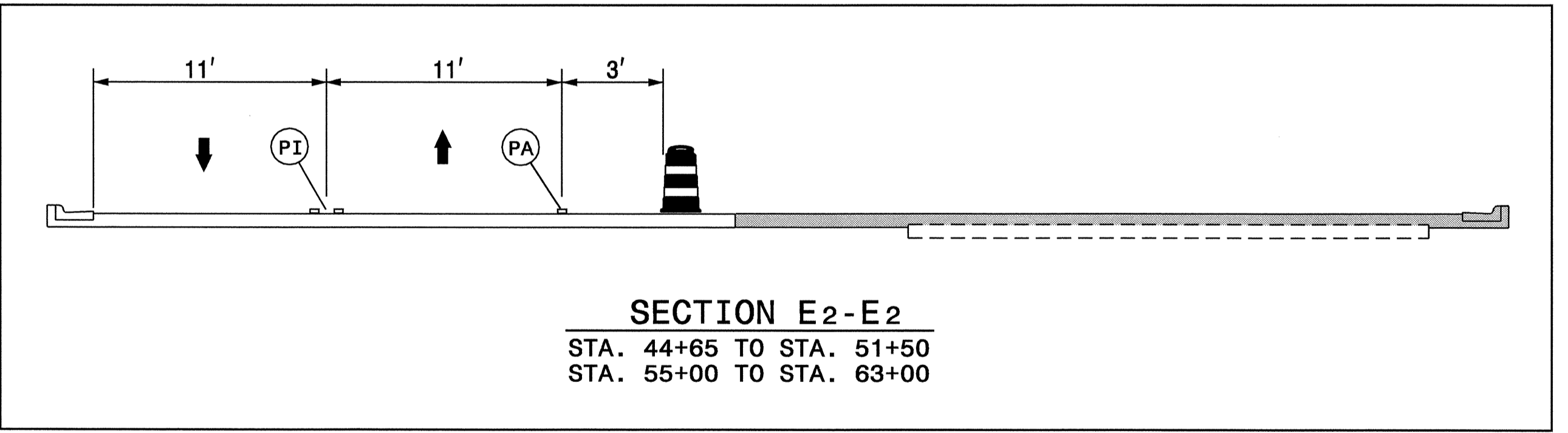
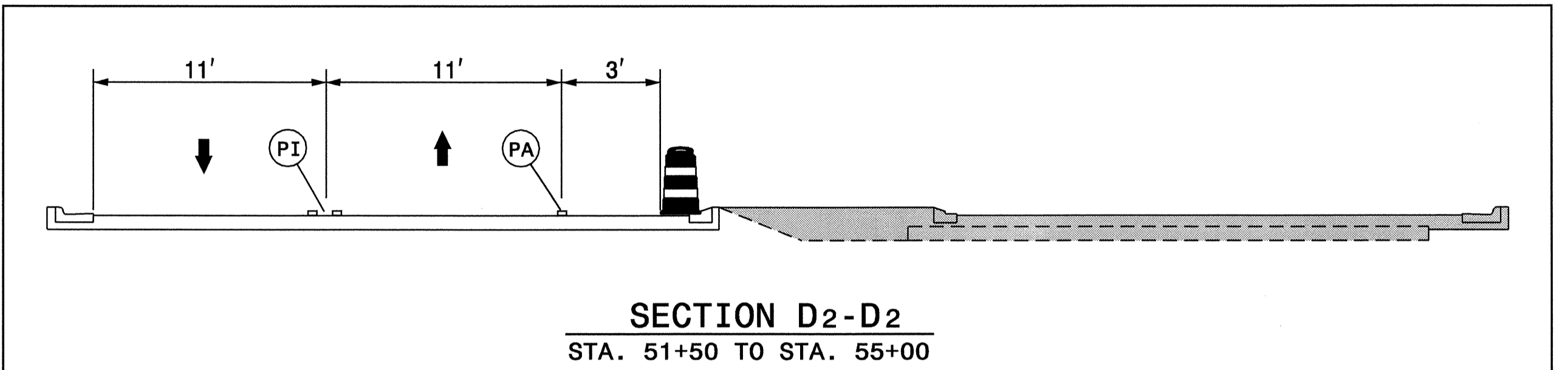
TEMPORARY PAVEMENT MARKING LEGEND	
(PA) PAINT - WHITE EDGELINE (4")	(QA) ↵ (PAINT - LEFT ARROW)
(PB) PAINT - YELLOW EDGELINE (4")	(QB) ↶ (PAINT - RIGHT ARROW)
(PC) PAINT - 10 FT. WHITE SKIP (4")	(QC) → (PAINT - STRAIGHT ARROW)
(PD) PAINT - 2 FT. WHITE MINISKIP (4")	(QD) ↗ (PAINT - COMBO STRAIGHT LEFT ARROW)
(PE) PAINT - WHITE SOLID LANE LINE (4")	(QE) ↘ (PAINT - COMBO STRAIGHT RIGHT ARROW)
(PI) PAINT - YELLOW DOUBLE CENTER (4")	(QI) ONLY (PAINT - ALPHANEUMERIC CHARACTER)
(PV) PAINT - YELLOW DIAGONAL (8")	(QJ) 🚲 (PAINT - BICYCLE SYMBOL)
(PX) PAINT - WHITE CROSSWALK (8")	(QK) ↑ (PAINT - BICYCLE ARROW)
(P4) PAINT - WHITE STOPBAR (24")	
(RI) COLD APPLIED PLASTIC TYPE 4 (REM. TAPE) DOUBLE YELLOW CENTERLINE (4")	
(RA) COLD APPLIED PLASTIC TYPE 4 (REM. TAPE) WHITE EDGELINE (4")	

APPROVED: _____	DATE: 8/07	PHASE II DETAILS								
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 kbrodwell AT WZTC224240



* - SEE SHEET TCP-14 FOR SECTION C2-C2



MATCH LINE STA. 46+00 -L-
SEE SHEET TCP-14

MATCH LINE STA. 60+00 -L-
SEE SHEET TCP-16

TEMPORARY PAVEMENT MARKING LEGEND

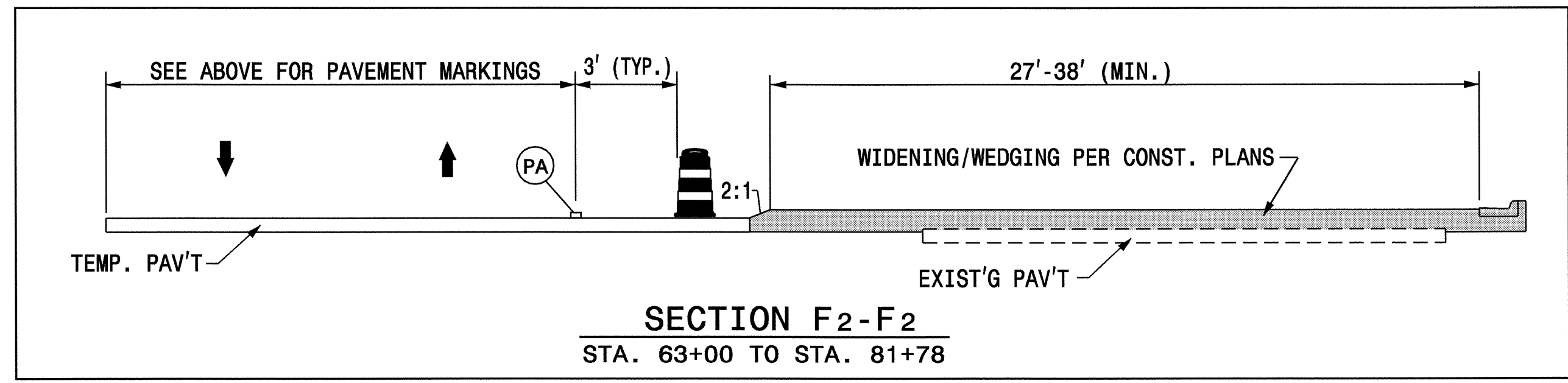
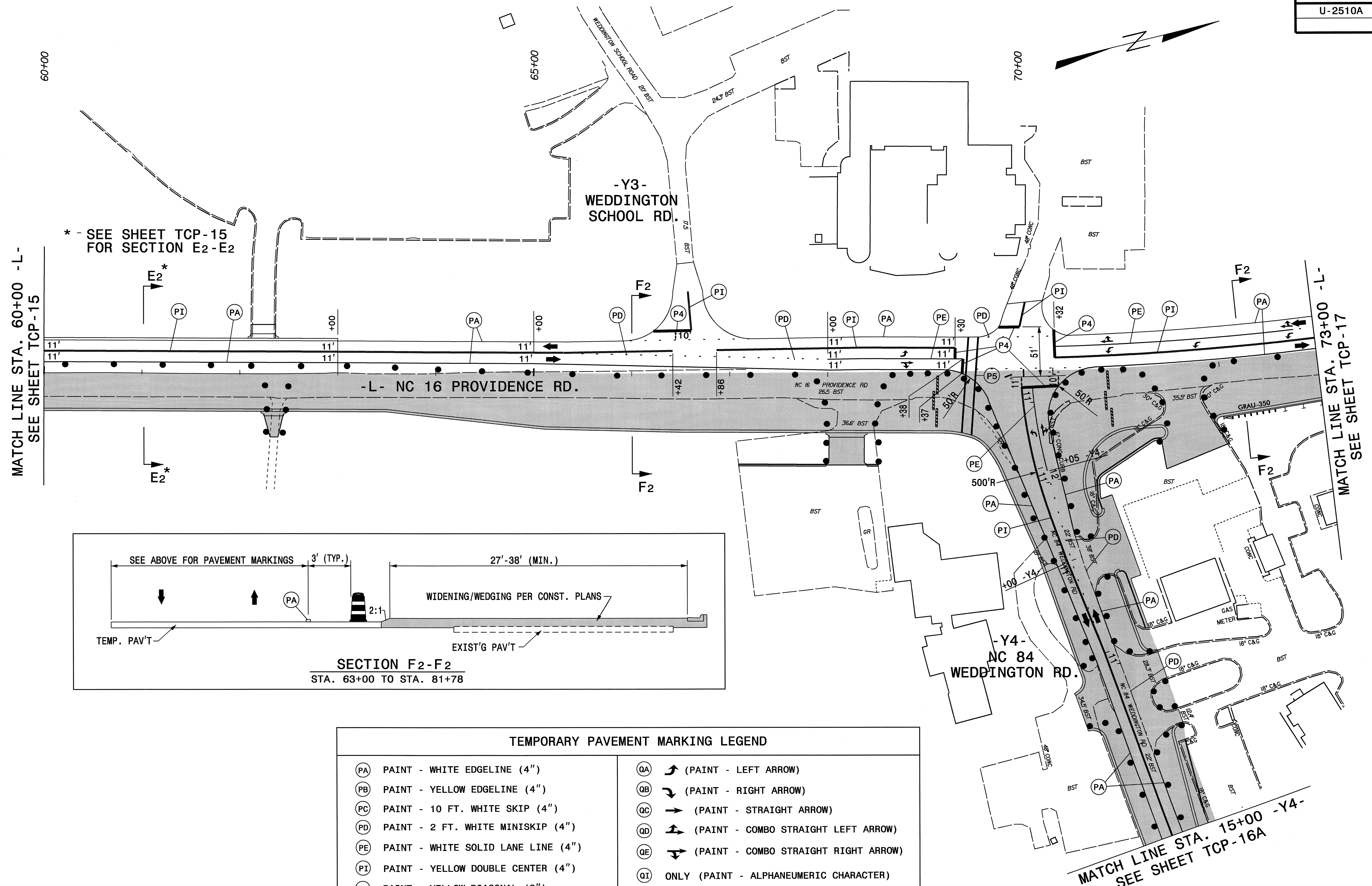
(PA) PAINT - WHITE EDGELINE (4")	(QA) ↙ (PAINT - LEFT ARROW)
(PB) PAINT - YELLOW EDGELINE (4")	(QB) ↘ (PAINT - RIGHT ARROW)
(PC) PAINT - 10 FT. WHITE SKIP (4")	(QC) → (PAINT - STRAIGHT ARROW)
(PD) PAINT - 2 FT. WHITE MINISKIP (4")	(QD) ↗ (PAINT - COMBO STRAIGHT LEFT ARROW)
(PE) PAINT - WHITE SOLID LANE LINE (4")	(QE) ↘ (PAINT - COMBO STRAIGHT RIGHT ARROW)
(PI) PAINT - YELLOW DOUBLE CENTER (4")	(QI) ONLY (PAINT - ALPHANEUMERIC CHARACTER)
(PV) PAINT - YELLOW DIAGONAL (8")	(QJ) 🚲 (PAINT - BICYCLE SYMBOL)
(PX) PAINT - WHITE CROSSWALK (8")	(QK) ↑ (PAINT - BICYCLE ARROW)
(P4) PAINT - WHITE STOPBAR (24")	
(RI) COLD APPLIED PLASTIC TYPE 4 (REM. TAPE) DOUBLE YELLOW CENTERLINE (4")	
(RA) COLD APPLIED PLASTIC TYPE 4 (REM. TAPE) WHITE EDGELINE (4")	

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APPROVED: _____ DATE: 8/07

PHASE II DETAILS

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DATE: 8/07										
DWG. BY: KPB										
DESIGN BY: KPB										
REVIEWED BY: JWG	CADD FILE									



TEMPORARY PAVEMENT MARKING LEGEND	
(PA) PAINT - WHITE EDGELINE (4")	(QA) (PAINT - LEFT ARROW)
(PB) PAINT - YELLOW EDGELINE (4")	(QB) (PAINT - RIGHT ARROW)
(PC) PAINT - 10 FT. WHITE SKIP (4")	(QC) (PAINT - STRAIGHT ARROW)
(PD) PAINT - 2 FT. WHITE MINISKIP (4")	(QD) (PAINT - COMBO STRAIGHT LEFT ARROW)
(PE) PAINT - WHITE SOLID LANE LINE (4")	(QE) (PAINT - COMBO STRAIGHT RIGHT ARROW)
(PI) PAINT - YELLOW DOUBLE CENTER (4")	(QT) ONLY (PAINT - ALPHANEUMERIC CHARACTER)
(PV) PAINT - YELLOW DIAGONAL (8")	(QU) (PAINT - BICYCLE SYMBOL)
(PX) PAINT - WHITE CROSSWALK (8")	(QK) (PAINT - BICYCLE ARROW)
(P4) PAINT - WHITE STOPBAR (24")	
(RI) COLD APPLIED PLASTIC TYPE 4 (REM. TAPE) DOUBLE YELLOW CENTERLINE (4")	
(RA) COLD APPLIED PLASTIC TYPE 4 (REM. TAPE) WHITE EDGELINE (4")	

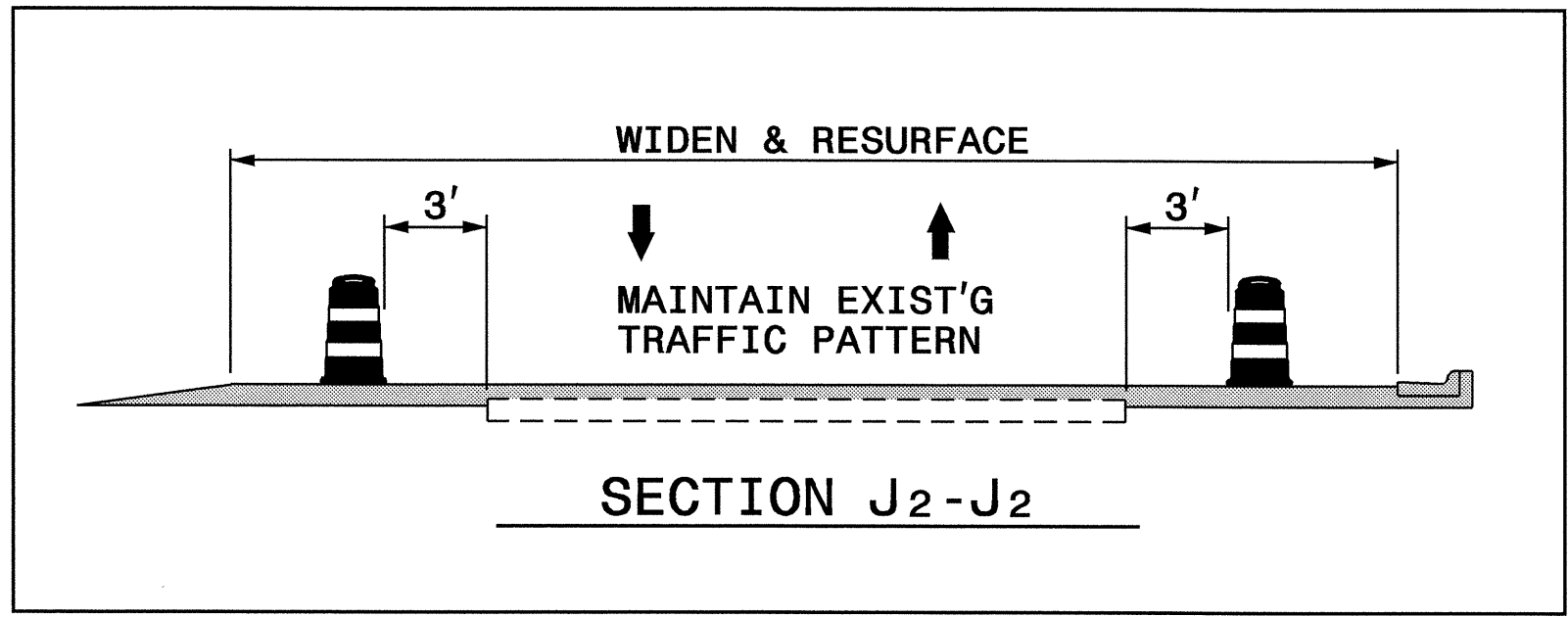
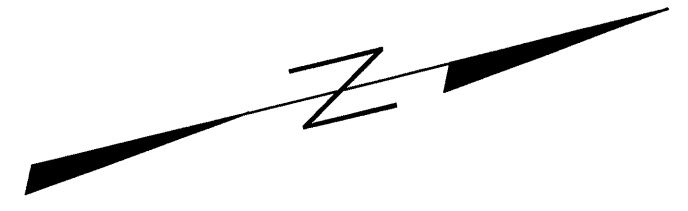
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DESIGN BY: KPB										
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 Kbr\odwell AT WZ.LC224240

MATCH LINE STA. 15+00 -Y4-
SEE SHEET TCP-16



-Y4-
NC 84
WEDDINGTON RD.

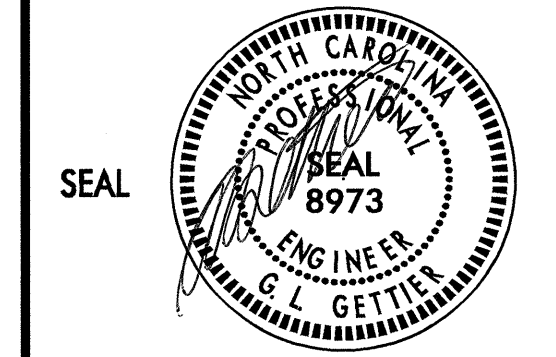
-Y12-
WEDDINGTON-
MATTHEWS RD

END CONSTRUCTION
11+95 -Y12-

END CONSTRUCTION
23+50 -Y4-

TEMPORARY PAVEMENT MARKING LEGEND	
(PA) PAINT - WHITE EDGELINE (4")	(QA) ↶ (PAINT - LEFT ARROW)
(PB) PAINT - YELLOW EDGELINE (4")	(QB) ↷ (PAINT - RIGHT ARROW)
(PC) PAINT - 10 FT. WHITE SKIP (4")	(QC) → (PAINT - STRAIGHT ARROW)
(PD) PAINT - 2 FT. WHITE MINISKIP (4")	(QD) ↶↷ (PAINT - COMBO STRAIGHT LEFT ARROW)
(PE) PAINT - WHITE SOLID LANE LINE (4")	(QE) ↷↶ (PAINT - COMBO STRAIGHT RIGHT ARROW)
(PI) PAINT - YELLOW DOUBLE CENTER (4")	(QI) ONLY (PAINT - ALPHANEUMERIC CHARACTER)
(PV) PAINT - YELLOW DIAGONAL (8")	(QJ) 🚲 (PAINT - BICYCLE SYMBOL)
(PX) PAINT - WHITE CROSSWALK (8")	(QK) ↑ (PAINT - BICYCLE ARROW)
(P4) PAINT - WHITE STOPBAR (24")	
(RI) COLD APPLIED PLASTIC TYPE 4 (REM. TAPE) DOUBLE YELLOW CENTERLINE (4")	
(RA) COLD APPLIED PLASTIC TYPE 4 (REM. TAPE) WHITE EDGELINE (4")	

APPROVED: _____ DATE: 8/07



PHASE II DETAILS

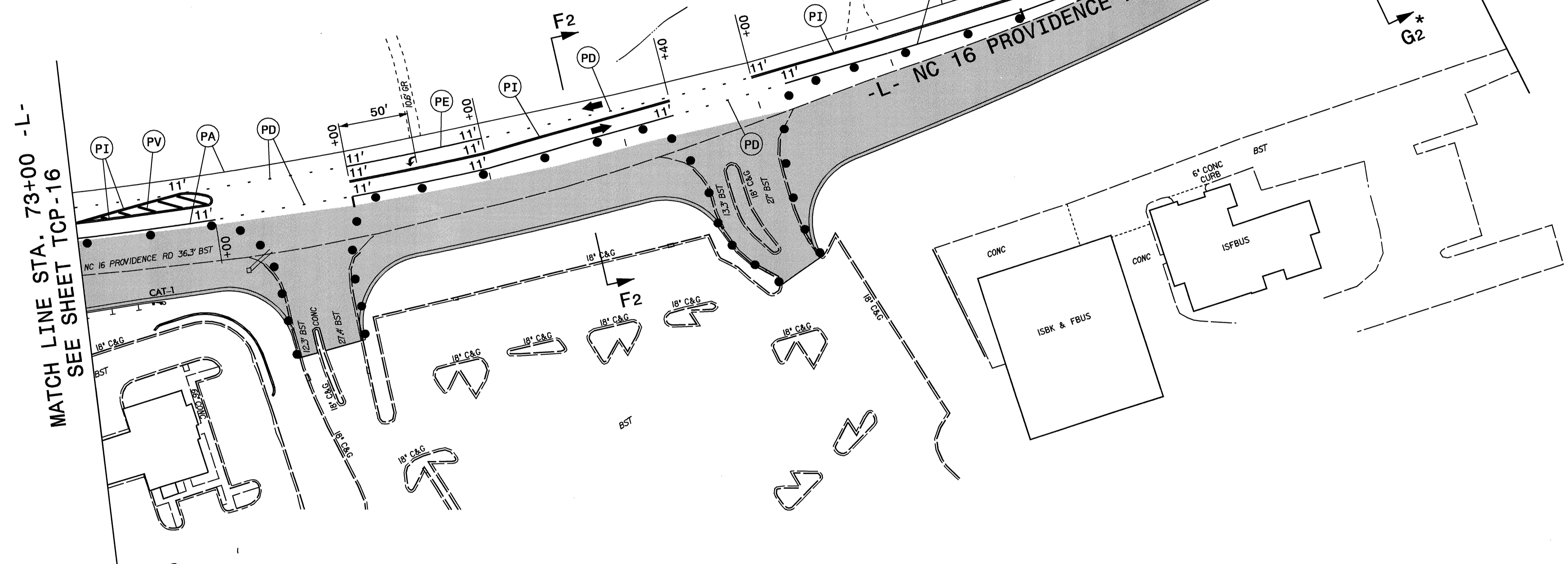
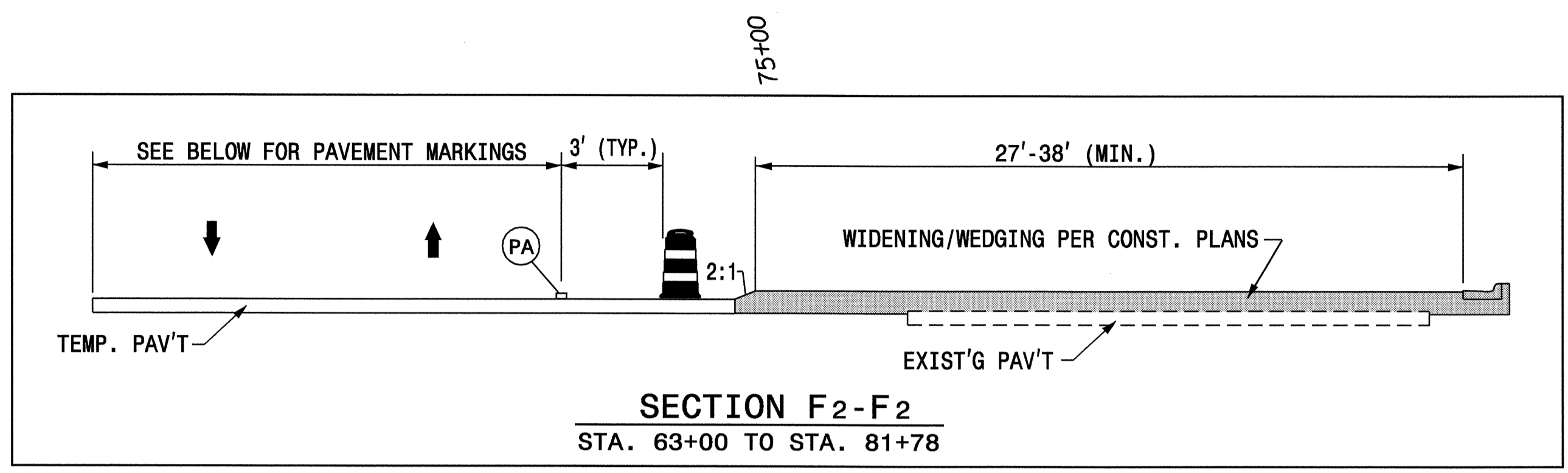
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REVIEWED BY: JWG



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 KProdwell AT 11/22/2007

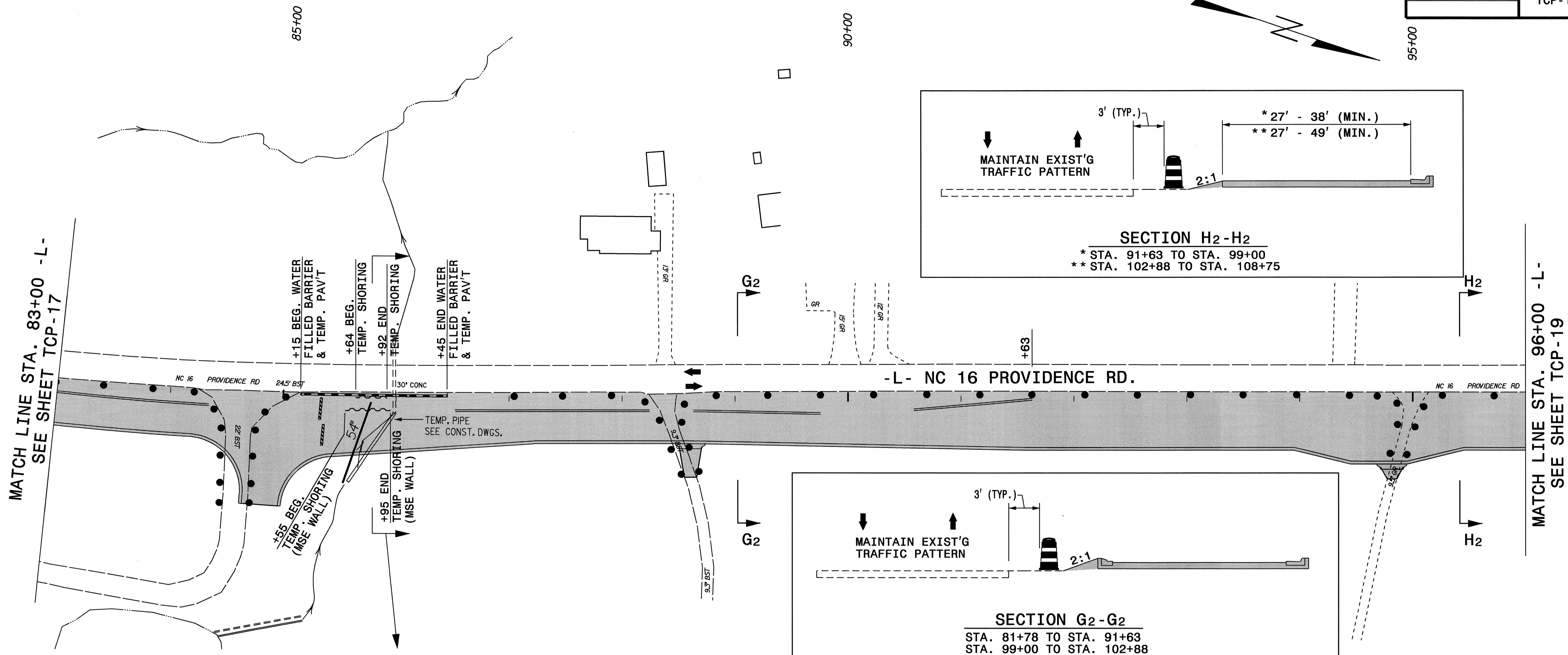
* - SEE SHEET TCP-18 FOR SECTION G2-G2



TEMPORARY PAVEMENT MARKING LEGEND	
(PA) PAINT - WHITE EDGELINE (4")	(QA) ↶ (PAINT - LEFT ARROW)
(PB) PAINT - YELLOW EDGELINE (4")	(QB) ↷ (PAINT - RIGHT ARROW)
(PC) PAINT - 10 FT. WHITE SKIP (4")	(QC) → (PAINT - STRAIGHT ARROW)
(PD) PAINT - 2 FT. WHITE MINISKIP (4")	(QD) ↶↷ (PAINT - COMBO STRAIGHT LEFT ARROW)
(PE) PAINT - WHITE SOLID LANE LINE (4")	(QE) ↷↶ (PAINT - COMBO STRAIGHT RIGHT ARROW)
(PI) PAINT - YELLOW DOUBLE CENTER (4")	(QI) ONLY (PAINT - ALPHANEUMERIC CHARACTER)
(PV) PAINT - YELLOW DIAGONAL (8")	(QJ) 🚲 (PAINT - BICYCLE SYMBOL)
(PX) PAINT - WHITE CROSSWALK (8")	(QK) ↶🚲 (PAINT - BICYCLE ARROW)
(P4) PAINT - WHITE STOPBAR (24")	
(RI) COLD APPLIED PLASTIC TYPE 4 (REM. TAPE) DOUBLE YELLOW CENTERLINE (4")	
(RA) COLD APPLIED PLASTIC TYPE 4 (REM. TAPE) WHITE EDGELINE (4")	

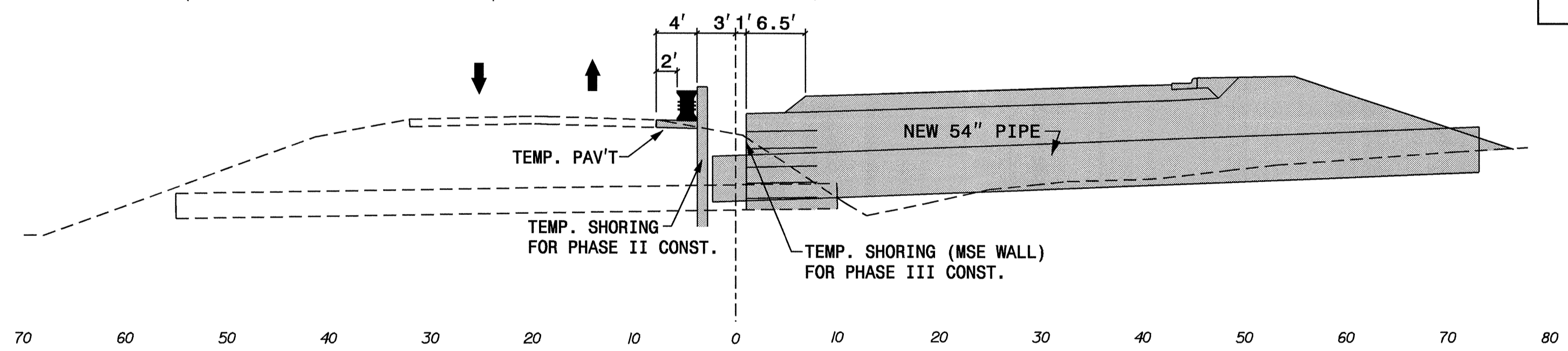
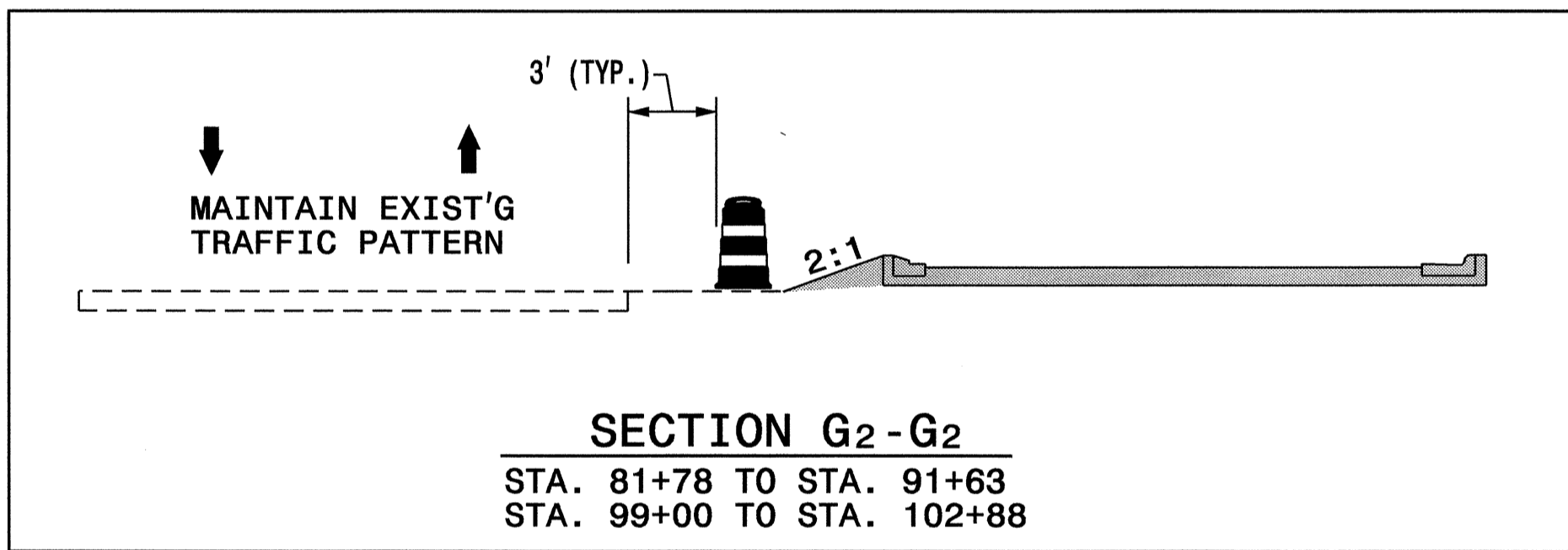
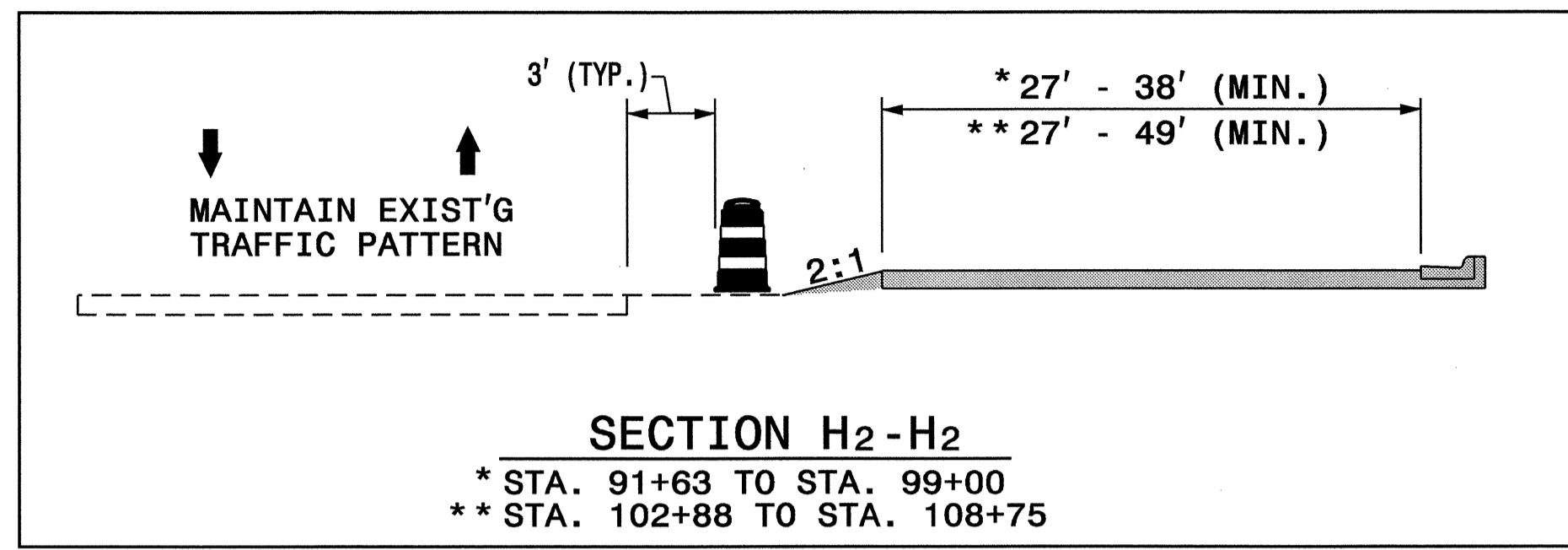
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REVIEWED BY: JWG			

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 Kbrodwell AT WZTC24240



MATCH LINE STA. 83+00 -L-
SEE SHEET TCP-17

MATCH LINE STA. 96+00 -L-
SEE SHEET TCP-19



TEMPORARY PAVEMENT MARKING LEGEND	
(PA) PAINT - WHITE EDGELINE (4")	(QA) ↶ (PAINT - LEFT ARROW)
(PB) PAINT - YELLOW EDGELINE (4")	(QB) ↷ (PAINT - RIGHT ARROW)
(PC) PAINT - 10 FT. WHITE SKIP (4")	(QC) → (PAINT - STRAIGHT ARROW)
(PD) PAINT - 2 FT. WHITE MINISKIP (4")	(QD) ↶↷ (PAINT - COMBO STRAIGHT LEFT ARROW)
(PE) PAINT - WHITE SOLID LANE LINE (4")	(QE) ↷↶ (PAINT - COMBO STRAIGHT RIGHT ARROW)
(PI) PAINT - YELLOW DOUBLE CENTER (4")	(QI) ONLY (PAINT - ALPHANEUMERIC CHARACTER)
(PV) PAINT - YELLOW DIAGONAL (8")	(QJ) 🚲 (PAINT - BICYCLE SYMBOL)
(PX) PAINT - WHITE CROSSWALK (8")	(QK) 🚲➡ (PAINT - BICYCLE ARROW)
(P4) PAINT - WHITE STOPBAR (24")	
(R1) COLD APPLIED PLASTIC TYPE 4 (REM. TAPE) DOUBLE YELLOW CENTERLINE (4")	
(RA) COLD APPLIED PLASTIC TYPE 4 (REM. TAPE) WHITE EDGELINE (4")	

SHORING NOTES

FOR TEMPORARY SHORING, SEE TEMPORARY SHORING SPECIAL PROVISION.

TEMPORARY SHORING IS REQUIRED FOR THE PIPE INSTALLATION FROM STA. 85+64 +/- -L-, 3 FT. LEFT, TO STA. 85+92 +/- -L-, 3 FT. LEFT, AND ALSO FROM STA. 85+55 +/- -L-, 1 FT. RIGHT, TO STA. 85+95 +/- -L-, 1 FT. RIGHT. SEE TEMPORARY SHORING SPECIAL PROVISION.

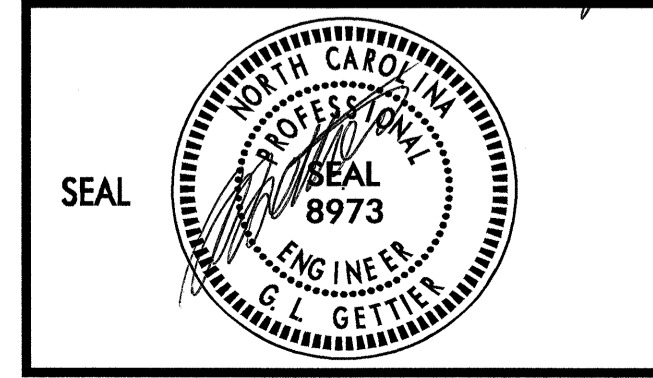
USE A TEMPORARY MSE WALL FROM STA. 85+55 +/- -L-, 1 FT. RIGHT, TO STA. 85+95 +/- -L-, 1 FT. RIGHT.

FOR CONTRACTOR DESIGNED SHORING, SURVEY THE SHORING LOCATION TO DETERMINE EXISTING ELEVATIONS AND ACTUAL DESIGN HEIGHTS BEFORE BEGINNING DESIGN.

WHEN USING CONTRACTOR DESIGNED SHORING, USE THE FOLLOWING SOIL PARAMETERS:
 UNIT WEIGHT OF SOIL ABOVE WATER, $\gamma = 120$ PCF
 UNIT WEIGHT OF SOIL BELOW WATER, $\gamma = 60$ PCF
 FRICTION ANGLE, $\phi = 30$ DEGREES
 COHESION, $c = 0$ PSF

NO SUBSURFACE INFORMATION IS AVAILABLE IN THE VICINITY OF THE TEMPORARY SHORING. THE INFORMATION PROVIDED FOR DESIGN WAS ASSUMED AND MAY NOT BE APPLICABLE TO THE ACTUAL SITE CONDITIONS ENCOUNTERED DURING CONSTRUCTION.

APPROVED: _____ DATE: 8/07/07



PHASE II DETAILS

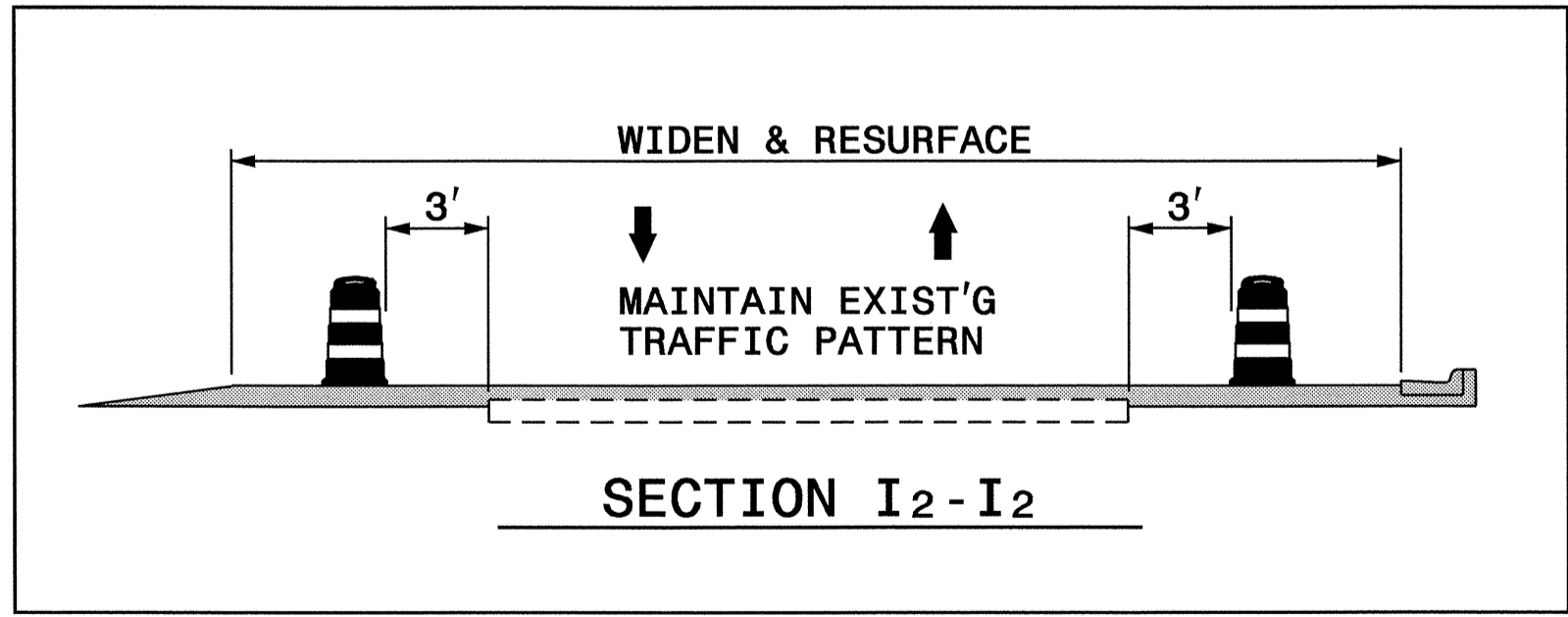
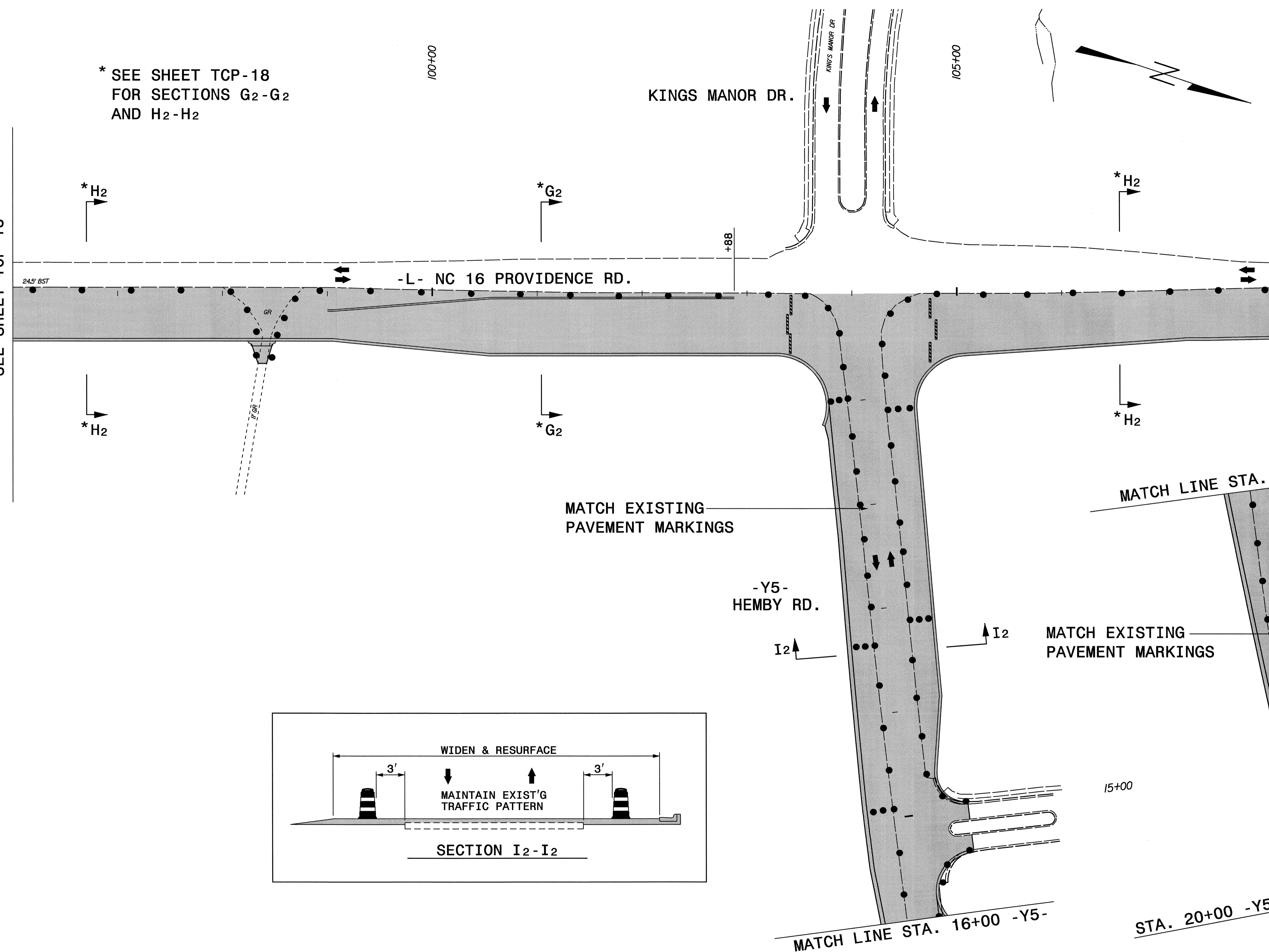
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REVIEWED BY: JWG		

24-AUG-2007 06:57
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 kbr00dwbll AT WZIC224240

* SEE SHEET TCP-18
FOR SECTIONS G₂-G₂
AND H₂-H₂

MATCH LINE STA. 96+00 -L-
SEE SHEET TCP-18

MATCH LINE STA. 108+00 -L-
SEE SHEET TCP-20

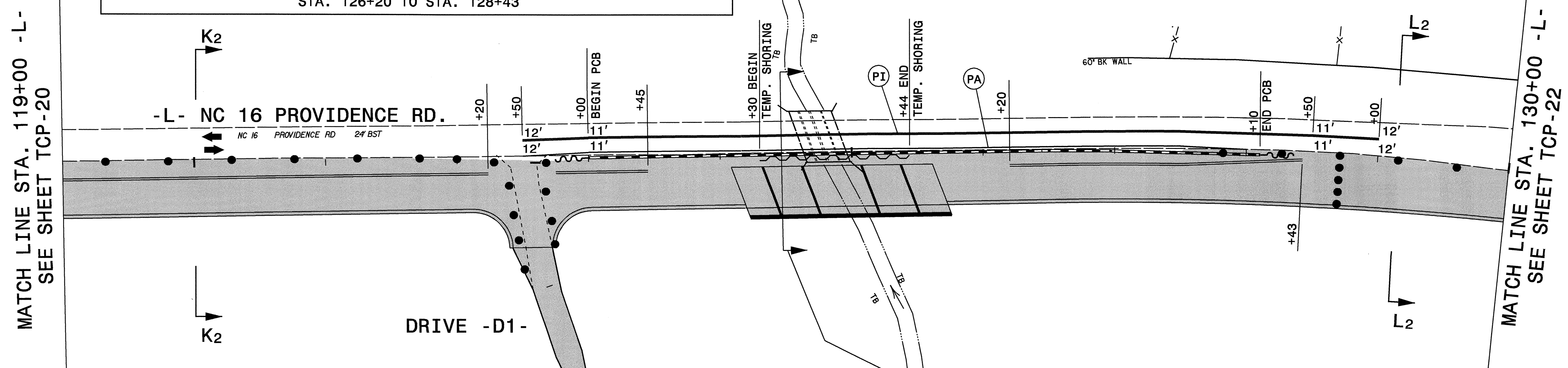
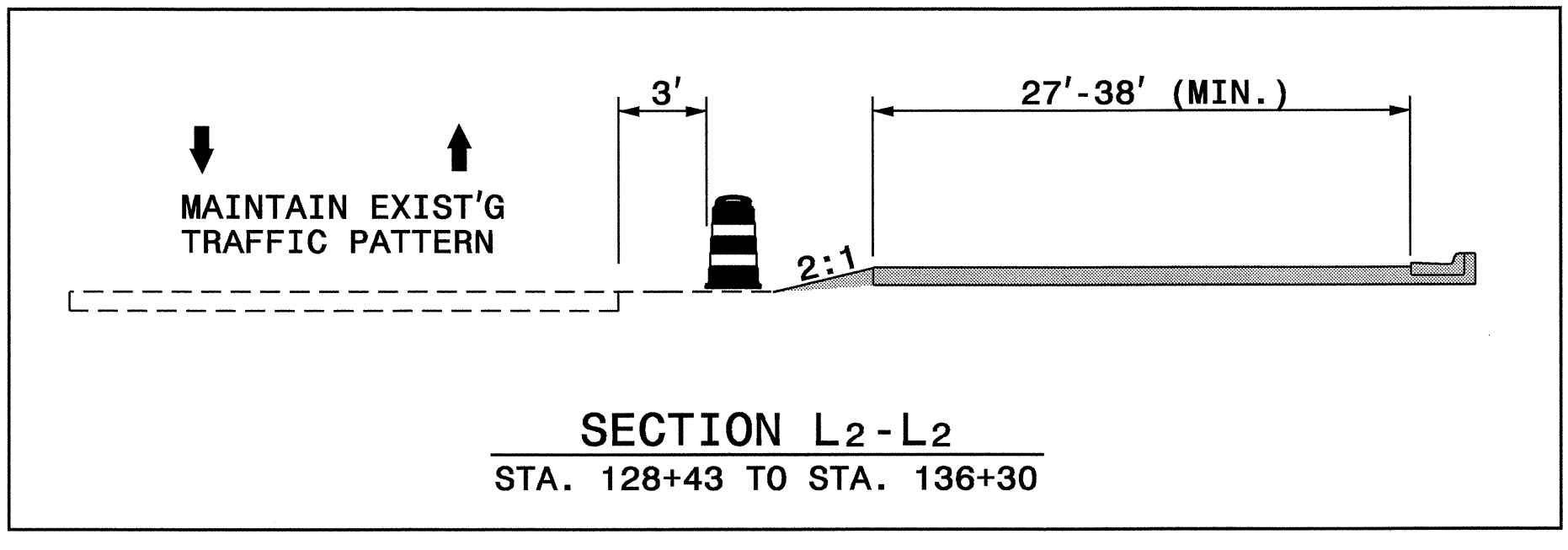
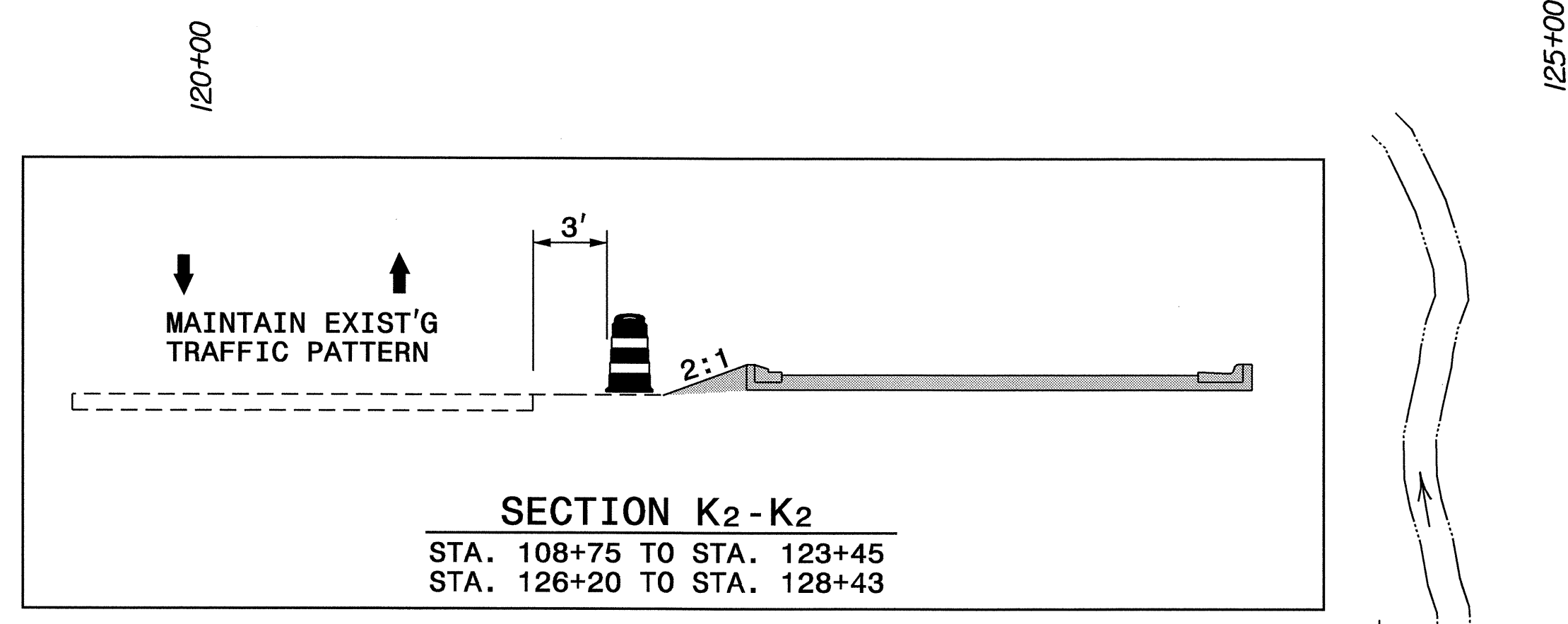


APPROVED: _____ DATE: 8/07

SEAL

PHASE II DETAILS		REVISIONS
SCALE: NONE		
DATE: 8/07		
DWG. BY: KPB		
DESIGN BY: KPB		
REVIEWED BY: JWG		

24-AUG-2007 06:58
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 kbr\odswell AT WZTC224240



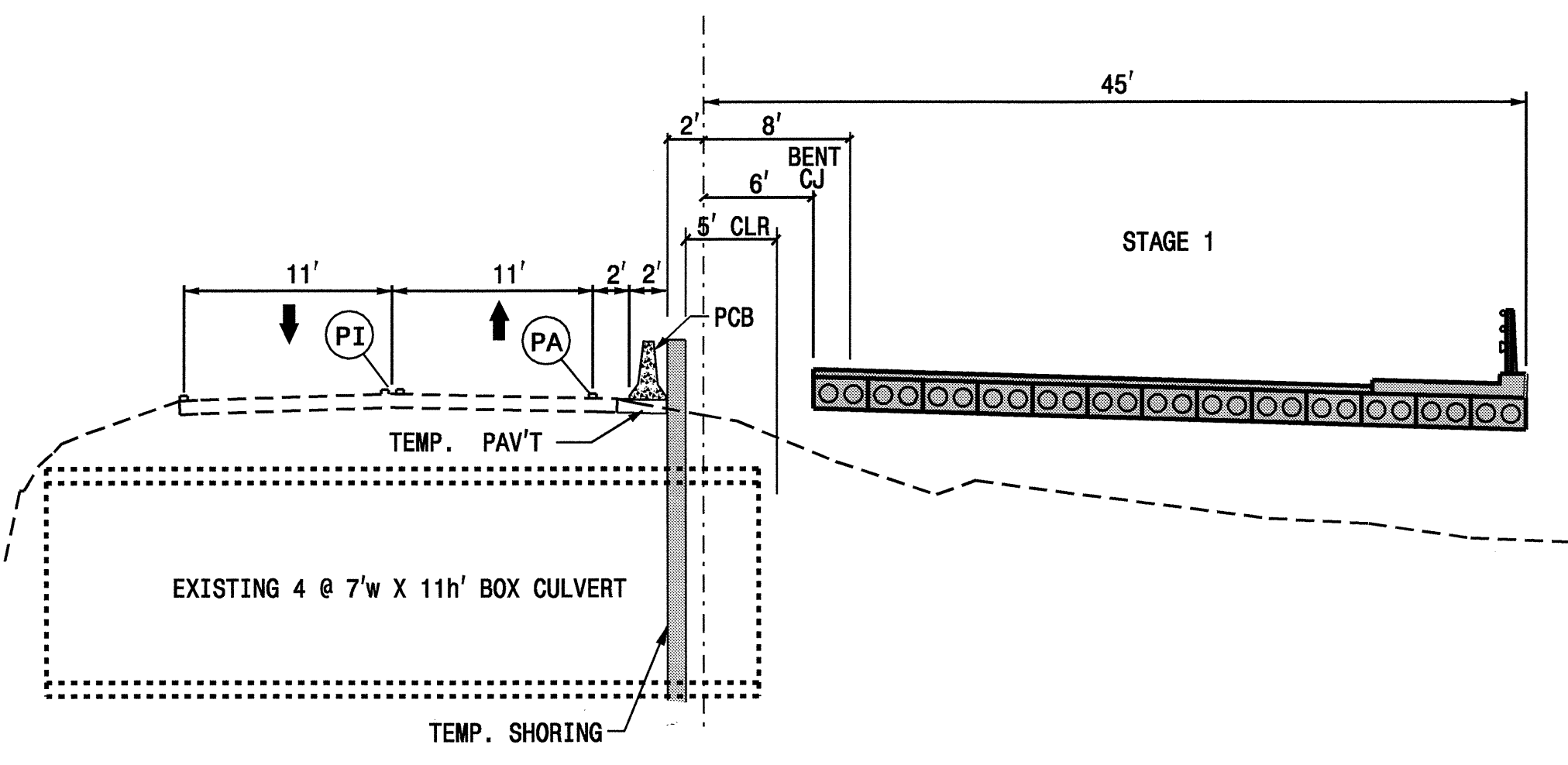
MATCH LINE STA. 119+00 -L-
SEE SHEET TCP-20

MATCH LINE STA. 130+00 -L-
SEE SHEET TCP-22

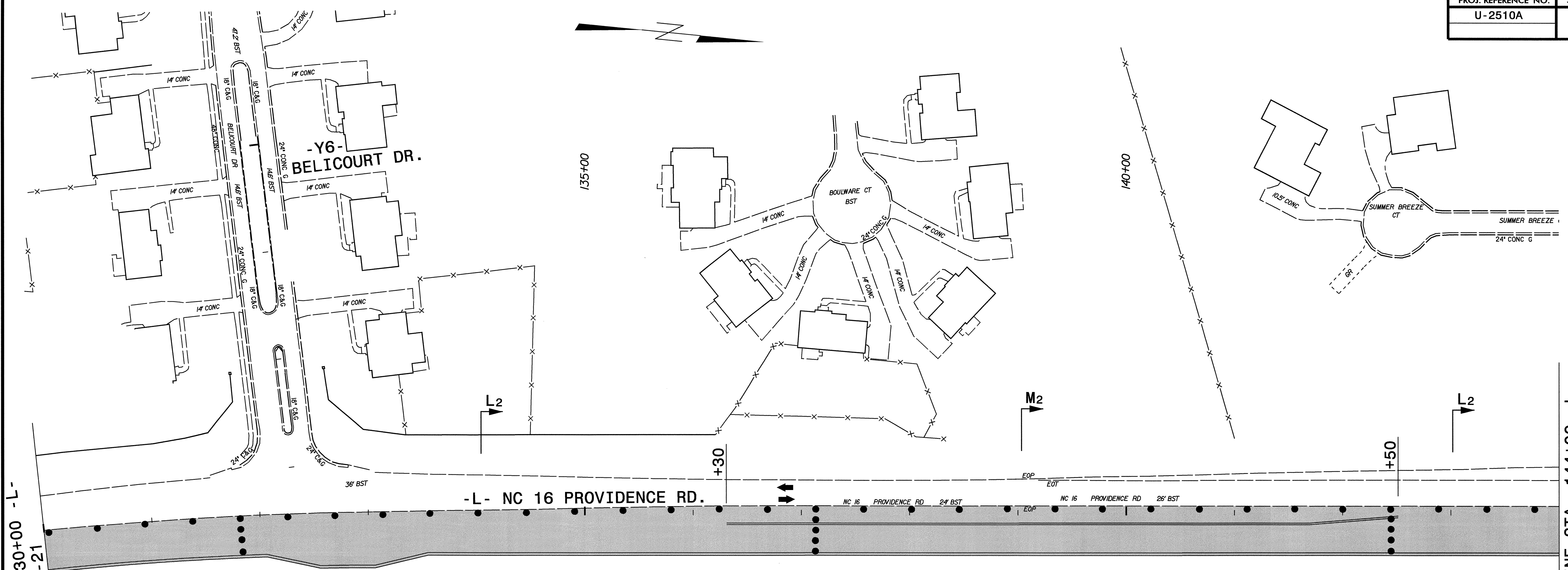
TEMPORARY PAVEMENT MARKING LEGEND	
(PA) PAINT - WHITE EDGELINE (4")	(QA) ← (PAINT - LEFT ARROW)
(PB) PAINT - YELLOW EDGELINE (4")	(QB) → (PAINT - RIGHT ARROW)
(PC) PAINT - 10 FT. WHITE SKIP (4")	(QC) → (PAINT - STRAIGHT ARROW)
(PD) PAINT - 2 FT. WHITE MINISKIP (4")	(QD) ↙ (PAINT - COMBO STRAIGHT LEFT ARROW)
(PE) PAINT - WHITE SOLID LANE LINE (4")	(QE) ↘ (PAINT - COMBO STRAIGHT RIGHT ARROW)
(PI) PAINT - YELLOW DOUBLE CENTER (4")	(QI) ONLY (PAINT - ALPHANEUMERIC CHARACTER)
(PV) PAINT - YELLOW DIAGONAL (8")	(QJ) ♀ (PAINT - BICYCLE SYMBOL)
(PX) PAINT - WHITE CROSSWALK (8")	(QK) ↑ (PAINT - BICYCLE ARROW)
(P4) PAINT - WHITE STOPBAR (24")	
(RI) COLD APPLIED PLASTIC TYPE 4 (REM. TAPE) DOUBLE YELLOW CENTERLINE (4")	
(RA) COLD APPLIED PLASTIC TYPE 4 (REM. TAPE) WHITE EDGELINE (4")	

SHORING NOTES

FOR TEMPORARY SHORING, SEE TEMPORARY SHORING SPECIAL PROVISION.
DO NOT USE STANDARD SHORING FROM STA. 124+30 +/- -L-, 2 FT. LEFT, TO STA. 125+44 +/- -L-, 2 FT. LEFT. CONTRACTOR DESIGNED SHORING IS REQUIRED. SEE TEMPORARY SHORING SPECIAL PROVISION.
IT MAY BE PREFERRED OR NECESSARY TO ANCHOR THE TEMPORARY SHORING FROM STA. 124+30 +/- -L-, 2 FT. LEFT, TO STA. 125+44 +/- -L-, 2 FT. LEFT. THE TEMPORARY SHORING SPECIAL PROVISION DOES NOT APPLY TO ANCHORED TEMPORARY SHORING. IF ANCHORED TEMPORARY SHORING IS PROPOSED, THE ENGINEER WILL PROVIDE AN APPLICABLE SPECIAL PROVISION.
FOR CONTRACTOR DESIGNED SHORING, SURVEY THE SHORING LOCATION TO DETERMINE EXISTING ELEVATIONS AND ACTUAL DESIGN HEIGHTS BEFORE BEGINNING DESIGN.
WHEN USING CONTRACTOR DESIGNED SHORING, USE THE FOLLOWING SOIL PARAMETERS:
UNIT WEIGHT OF SOIL ABOVE WATER, $\gamma = 120$ PCF
UNIT WEIGHT OF SOIL BELOW WATER, $\gamma = 60$ PCF
FRICTION ANGLE, $\phi = 30$ DEGREES
COHESION, $c = 0$ PSF
NO SUBSURFACE INFORMATION IS AVAILABLE IN THE VICINITY OF THE TEMPORARY SHORING. THE INFORMATION PROVIDED FOR DESIGN WAS ASSUMED AND MAY NOT BE APPLICABLE TO THE ACTUAL SITE CONDITIONS ENCOUNTERED DURING CONSTRUCTION.

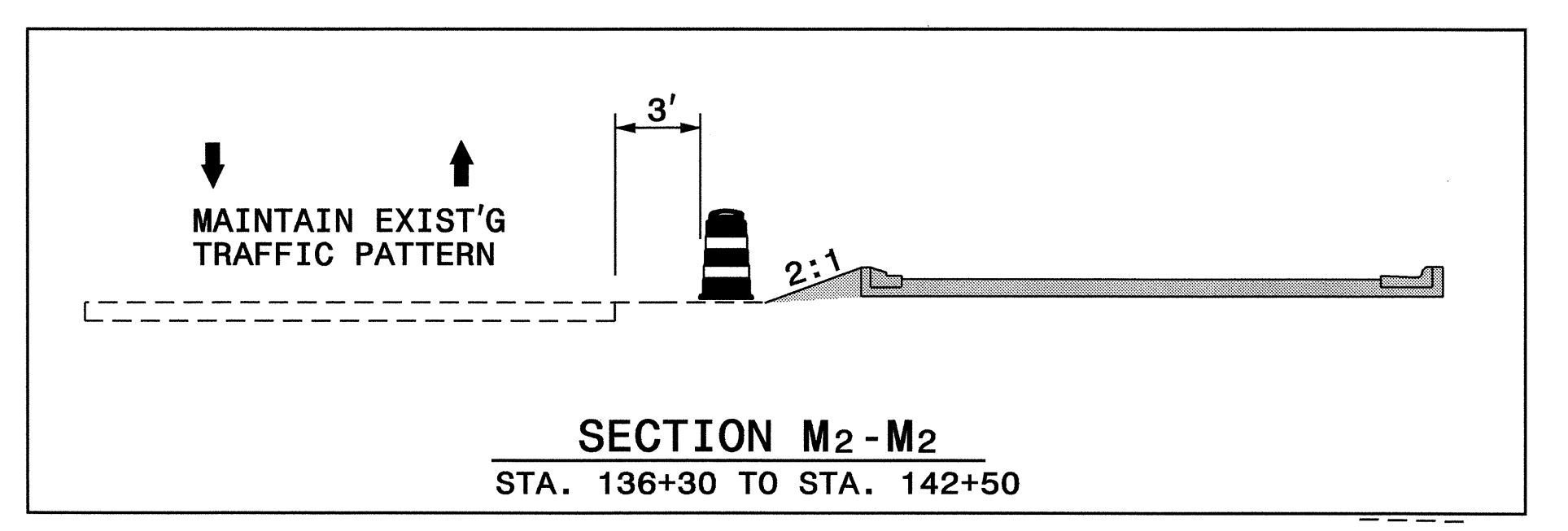
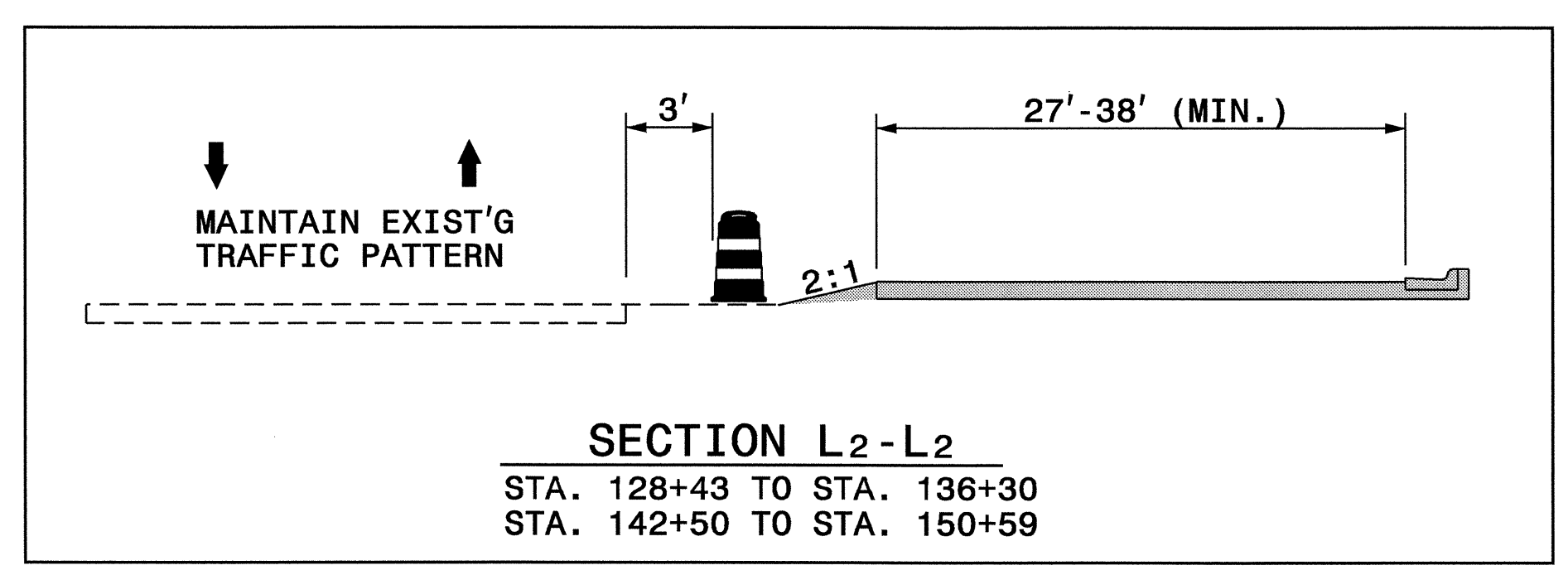


APPROVED: _____ DATE: 8/07/07	PHASE II DETAILS								
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	REVISIONS								
DWG. BY: KPB									
DESIGN BY: KPB									
REVIEWED BY: JWG									

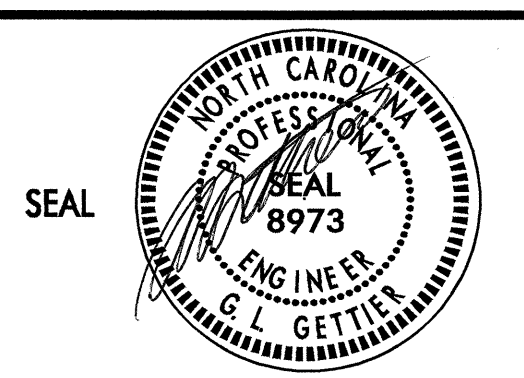
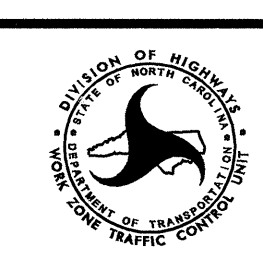


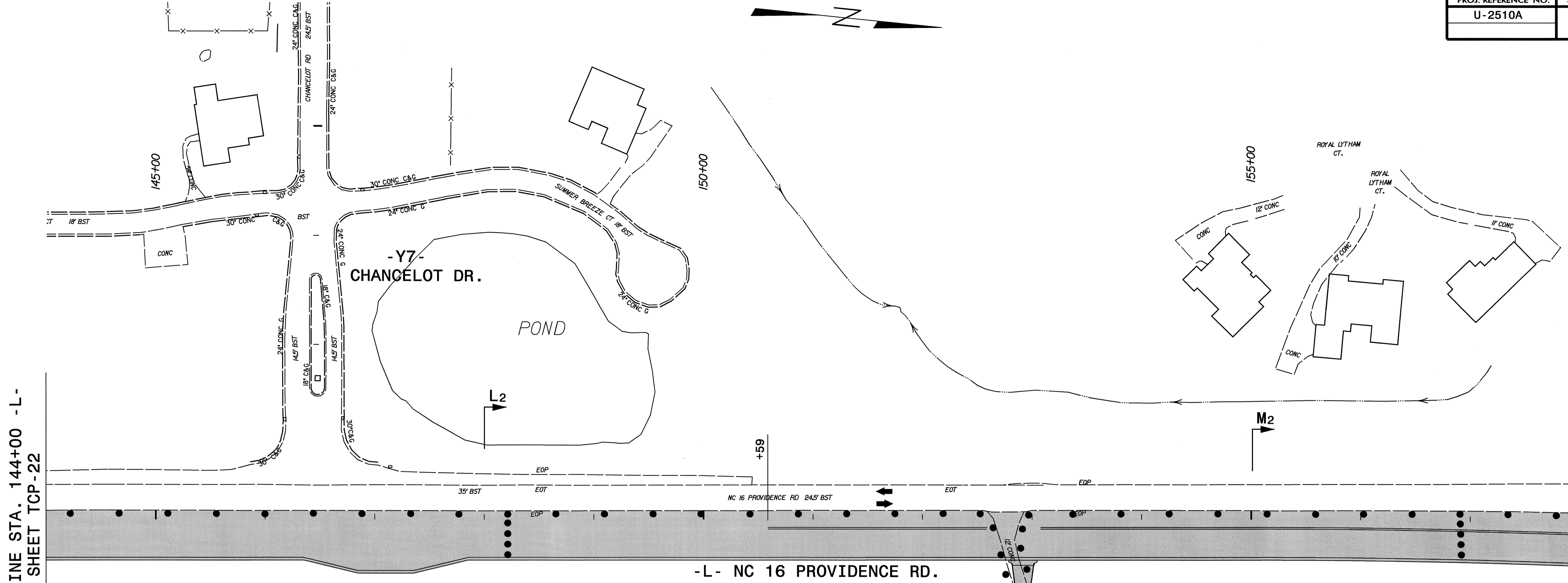
MATCH LINE STA. 130+00 -L-
SEE SHEET TCP-21

MATCH LINE STA. 144+00 -L-
SEE SHEET TCP-23



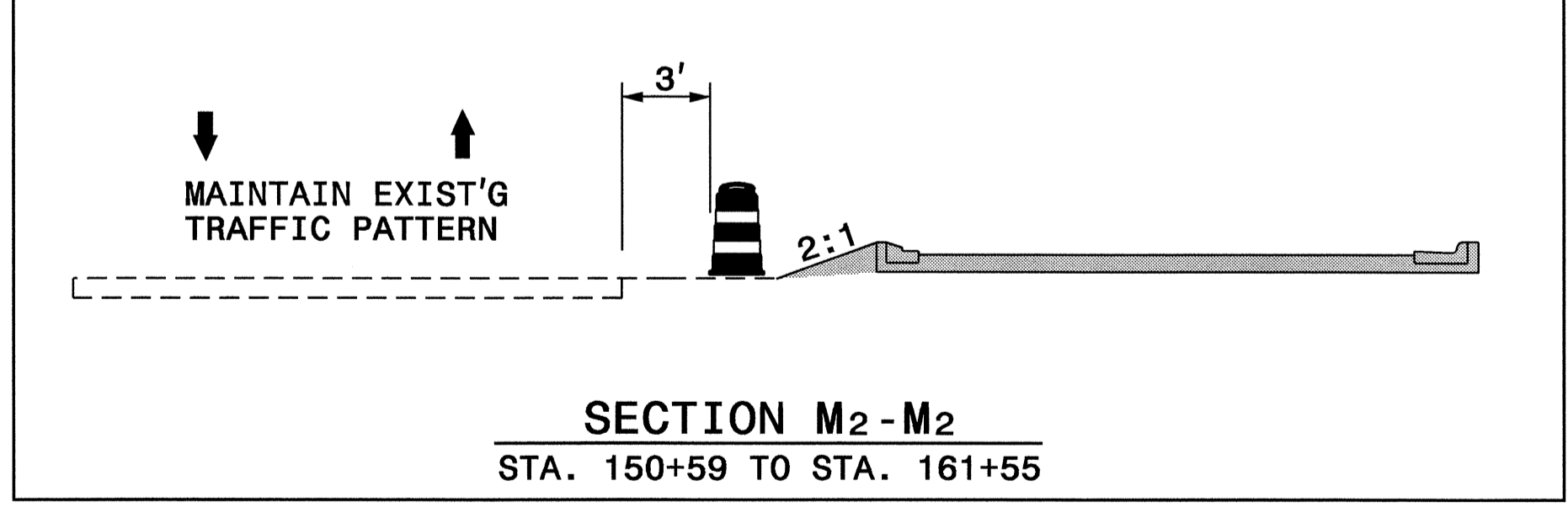
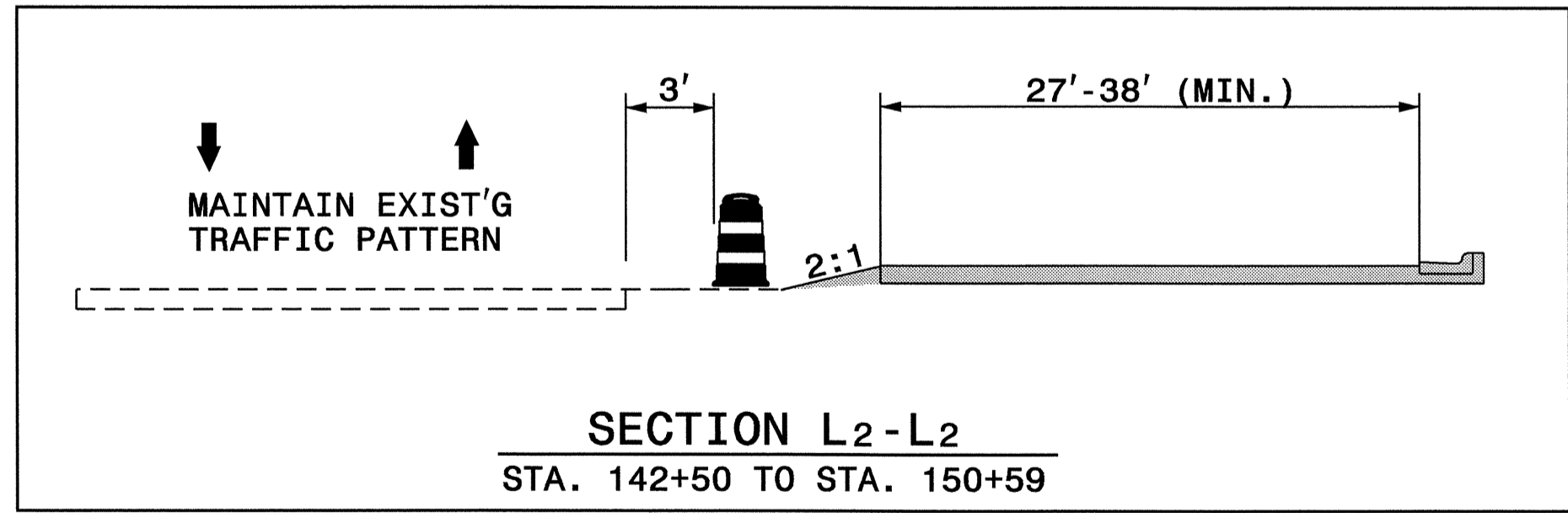
24-AUG-2007 07:00
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APPROVED: _____ DATE: <i>8/14/07</i>	PHASE II DETAILS	
		
SCALE: NONE		REVISIONS
DATE: 8/07		
DWG. BY: KPB		
DESIGN BY: KPB		
REVIEWED BY: <i>JWG</i>		



MATCH LINE STA. 144+00 -L-
SEE SHEET TCP-22

MATCH LINE STA. 158+00 -L-
SEE SHEET TCP-24



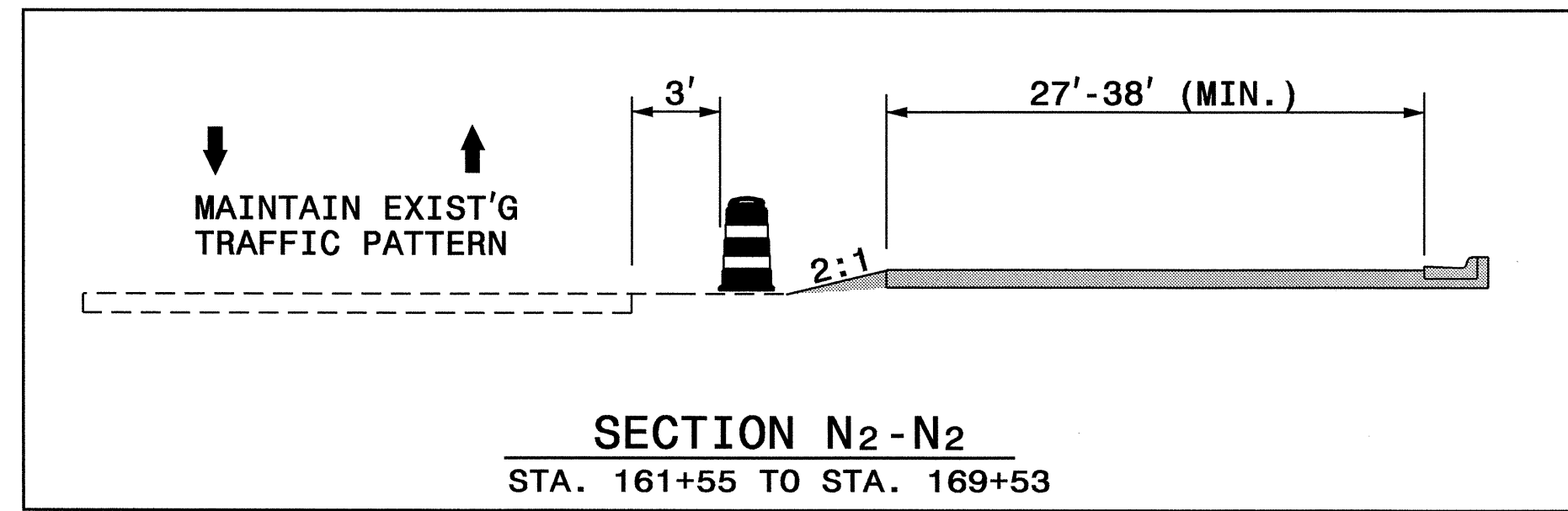
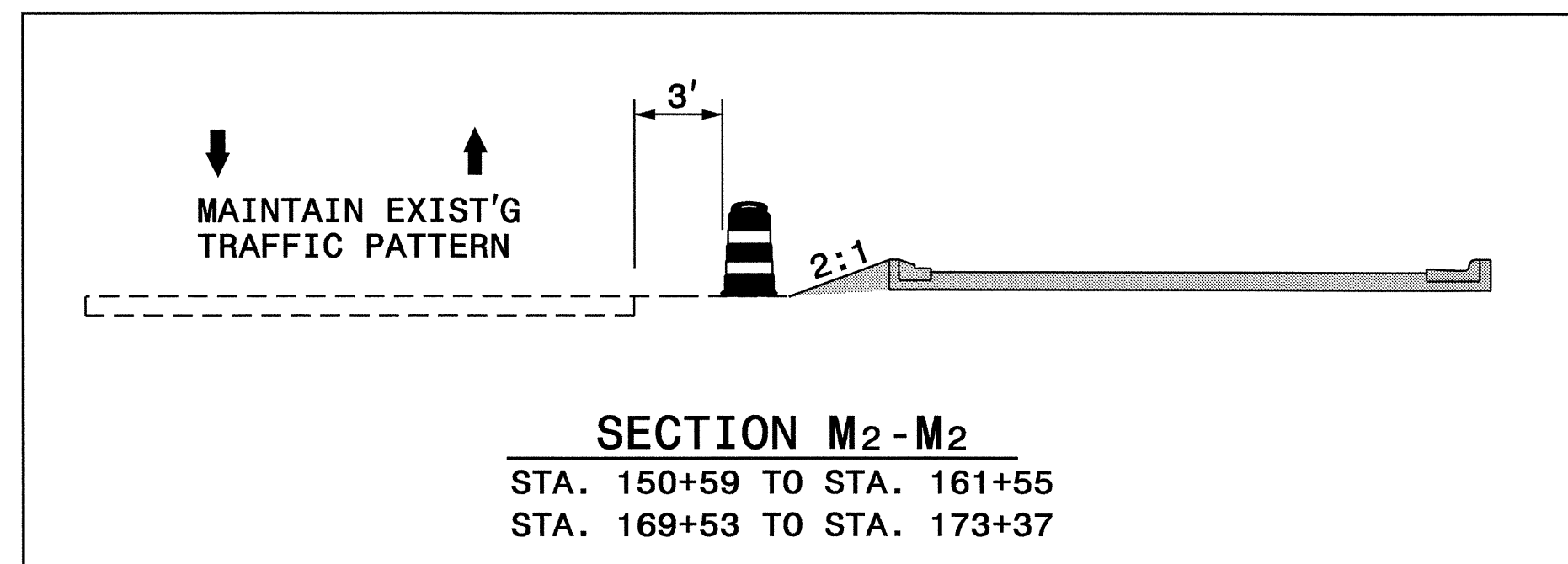
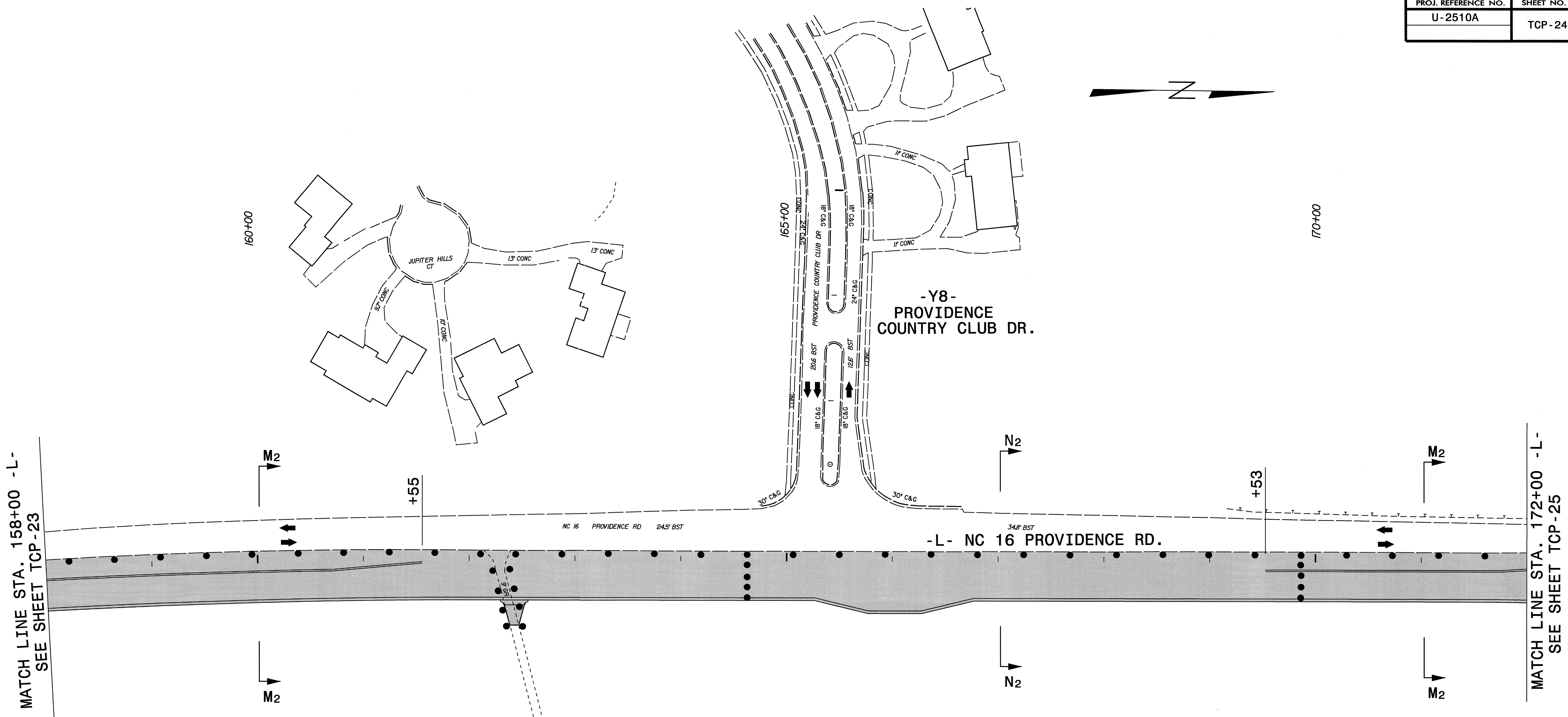
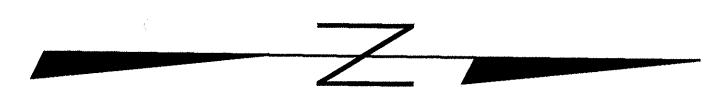
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APPROVED: _____ DATE: 8/07

SEAL

PHASE II DETAILS

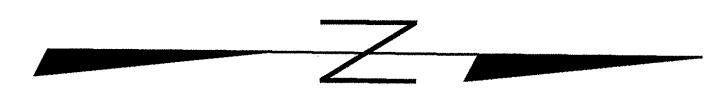
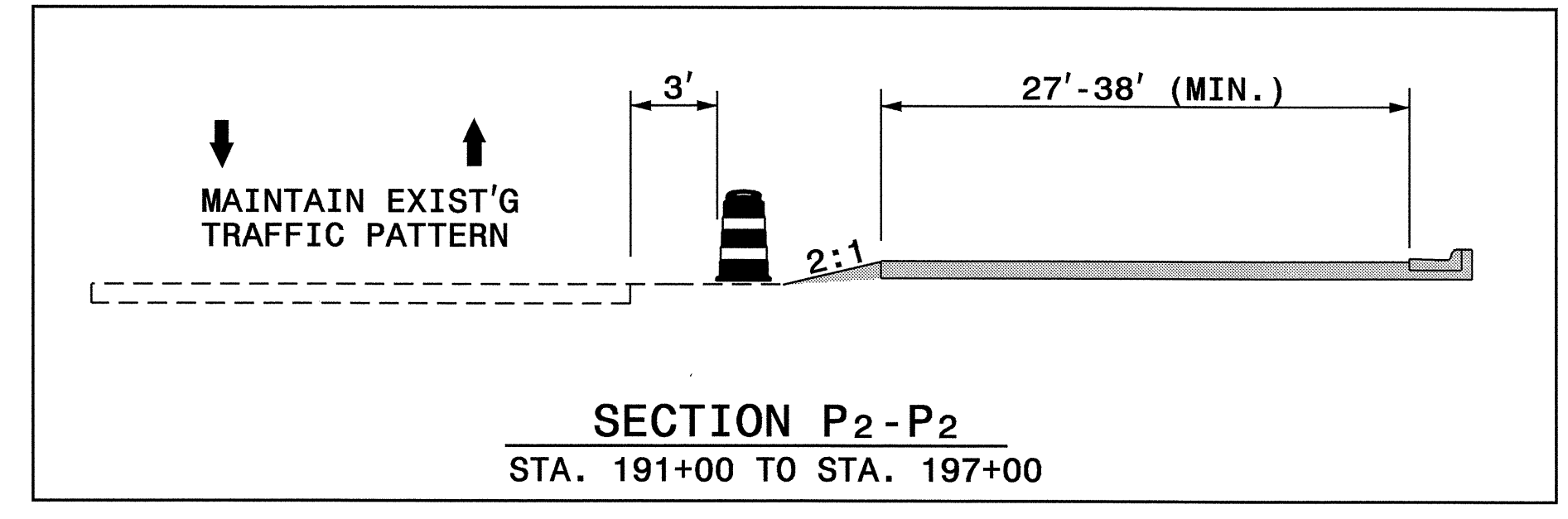
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REVISIONS										
DATE: 8/07										
DWG. BY: KPB										
DESIGN BY: KPB										
REVIEWED BY: JWG	CADD FILE									



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 R:\dodwell AT WZ\2510a

APPROVED: _____ DATE: <u>24 Aug 07</u> 	PHASE II DETAILS							
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REVISIONS								

* SEE SHEET TCP-25
FOR SECTION 02-02



SHORING NOTES

FOR TEMPORARY SHORING, SEE TEMPORARY SHORING SPECIAL PROVISION.

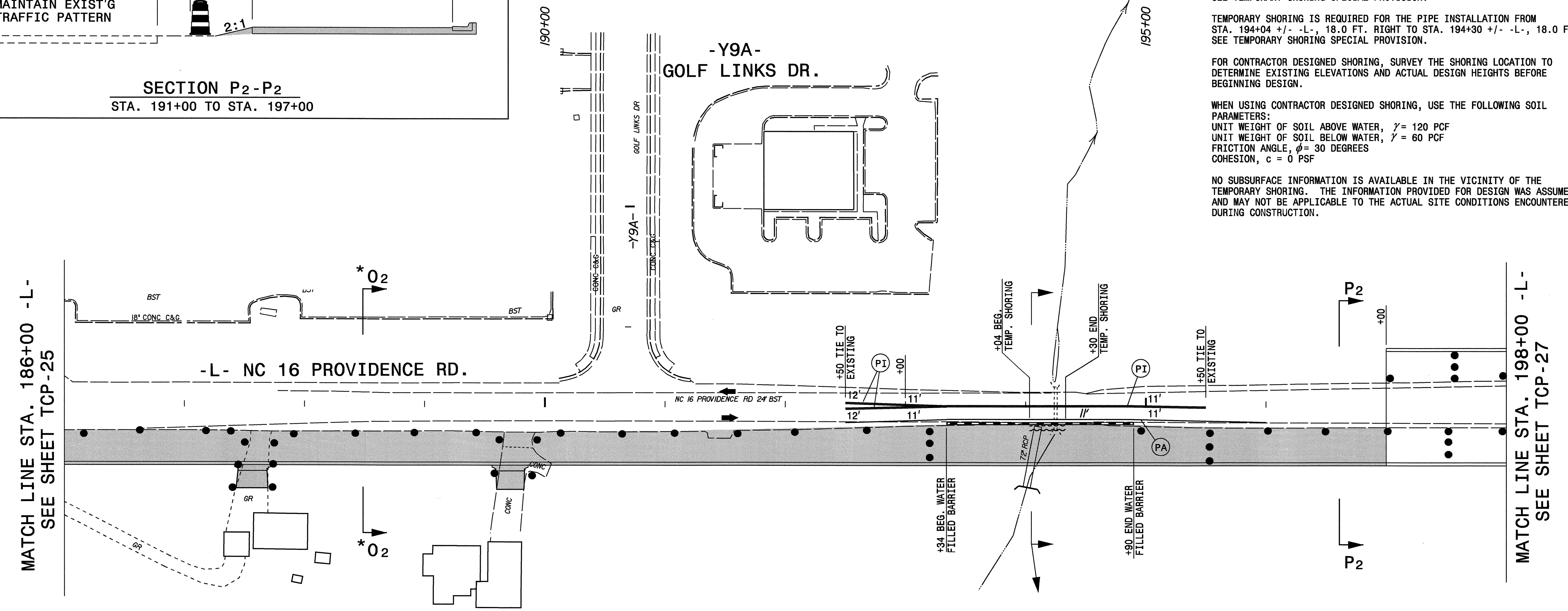
TEMPORARY SHORING IS REQUIRED FOR THE PIPE INSTALLATION FROM STA. 194+04 +/- -L-, 14.0 FT. RIGHT TO STA. 194+30 +/- -L-, 14.0 FT. RIGHT. SEE TEMPORARY SHORING SPECIAL PROVISION.

TEMPORARY SHORING IS REQUIRED FOR THE PIPE INSTALLATION FROM STA. 194+04 +/- -L-, 18.0 FT. RIGHT TO STA. 194+30 +/- -L-, 18.0 FT. RIGHT. SEE TEMPORARY SHORING SPECIAL PROVISION.

FOR CONTRACTOR DESIGNED SHORING, SURVEY THE SHORING LOCATION TO DETERMINE EXISTING ELEVATIONS AND ACTUAL DESIGN HEIGHTS BEFORE BEGINNING DESIGN.

WHEN USING CONTRACTOR DESIGNED SHORING, USE THE FOLLOWING SOIL PARAMETERS:
 UNIT WEIGHT OF SOIL ABOVE WATER, $\gamma = 120$ PCF
 UNIT WEIGHT OF SOIL BELOW WATER, $\gamma = 60$ PCF
 FRICTION ANGLE, $\phi = 30$ DEGREES
 COHESION, $c = 0$ PSF

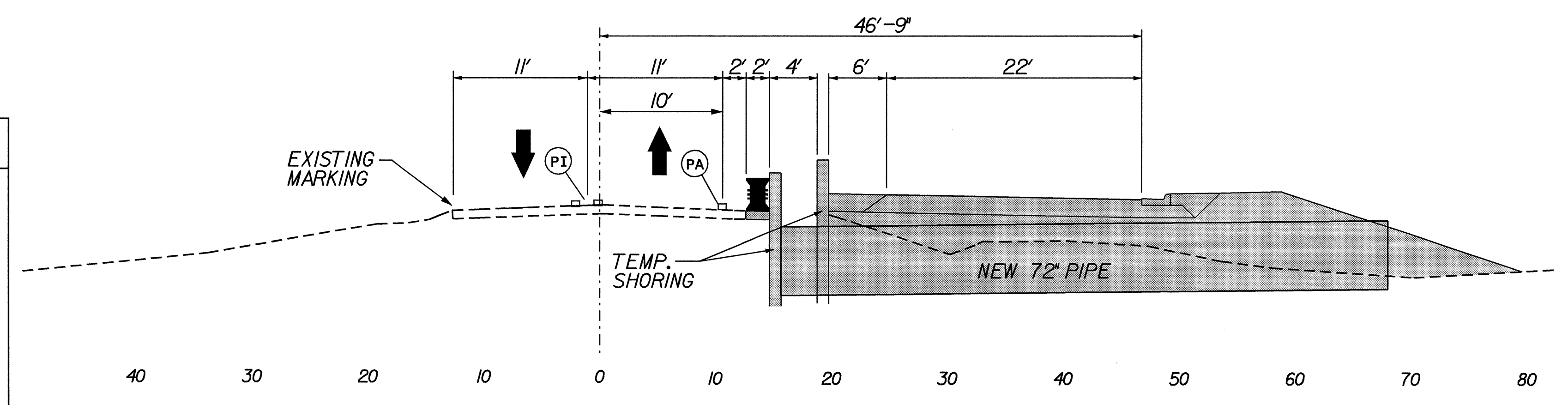
NO SUBSURFACE INFORMATION IS AVAILABLE IN THE VICINITY OF THE TEMPORARY SHORING. THE INFORMATION PROVIDED FOR DESIGN WAS ASSUMED AND MAY NOT BE APPLICABLE TO THE ACTUAL SITE CONDITIONS ENCOUNTERED DURING CONSTRUCTION.



MATCH LINE STA. 186+00 -L-
SEE SHEET TCP-25

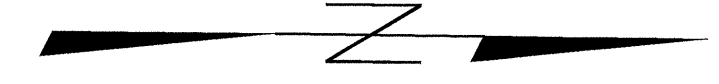
MATCH LINE STA. 198+00 -L-
SEE SHEET TCP-27

TEMPORARY PAVEMENT MARKING LEGEND	
(PA) PAINT - WHITE EDGELINE (4")	(QA) ↶ (PAINT - LEFT ARROW)
(PB) PAINT - YELLOW EDGELINE (4")	(QB) ↷ (PAINT - RIGHT ARROW)
(PC) PAINT - 10 FT. WHITE SKIP (4")	(QC) → (PAINT - STRAIGHT ARROW)
(PD) PAINT - 2 FT. WHITE MINISKIP (4")	(QD) ↶→ (PAINT - COMBO STRAIGHT LEFT ARROW)
(PE) PAINT - WHITE SOLID LANE LINE (4")	(QE) →↷ (PAINT - COMBO STRAIGHT RIGHT ARROW)
(PI) PAINT - YELLOW DOUBLE CENTER (4")	(QI) ONLY (PAINT - ALPHANEUMERIC CHARACTER)
(PV) PAINT - YELLOW DIAGONAL (8")	(QJ) 🚲 (PAINT - BICYCLE SYMBOL)
(PX) PAINT - WHITE CROSSWALK (8")	(QK) ↑ (PAINT - BICYCLE ARROW)
(P4) PAINT - WHITE STOPBAR (24")	
(RI) COLD APPLIED PLASTIC TYPE 4 (REM. TAPE) DOUBLE YELLOW CENTERLINE (4")	
(RA) COLD APPLIED PLASTIC TYPE 4 (REM. TAPE) WHITE EDGELINE (4")	



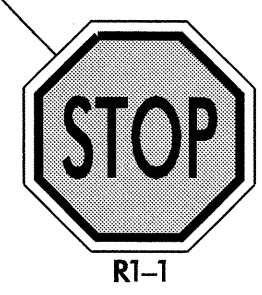
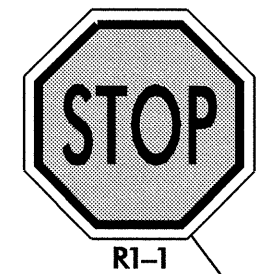
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DWG. BY: KPB											
DESIGN BY: KPB											
REVIEWED BY: JWG											

24-AUG-2007 07:04
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 kbradwell AT WTC24240



-Y10-
ALLISON WOODS DR.

MATCH LINE STA. 198+00 -L-
SEE SHEET TCP-26



-L- NC 16 PROVIDENCE RD.

NOTE: EXISTING PAVEMENT MARKINGS ARE SHOWN FOR CLARITY.

-Y11-
SR 5701

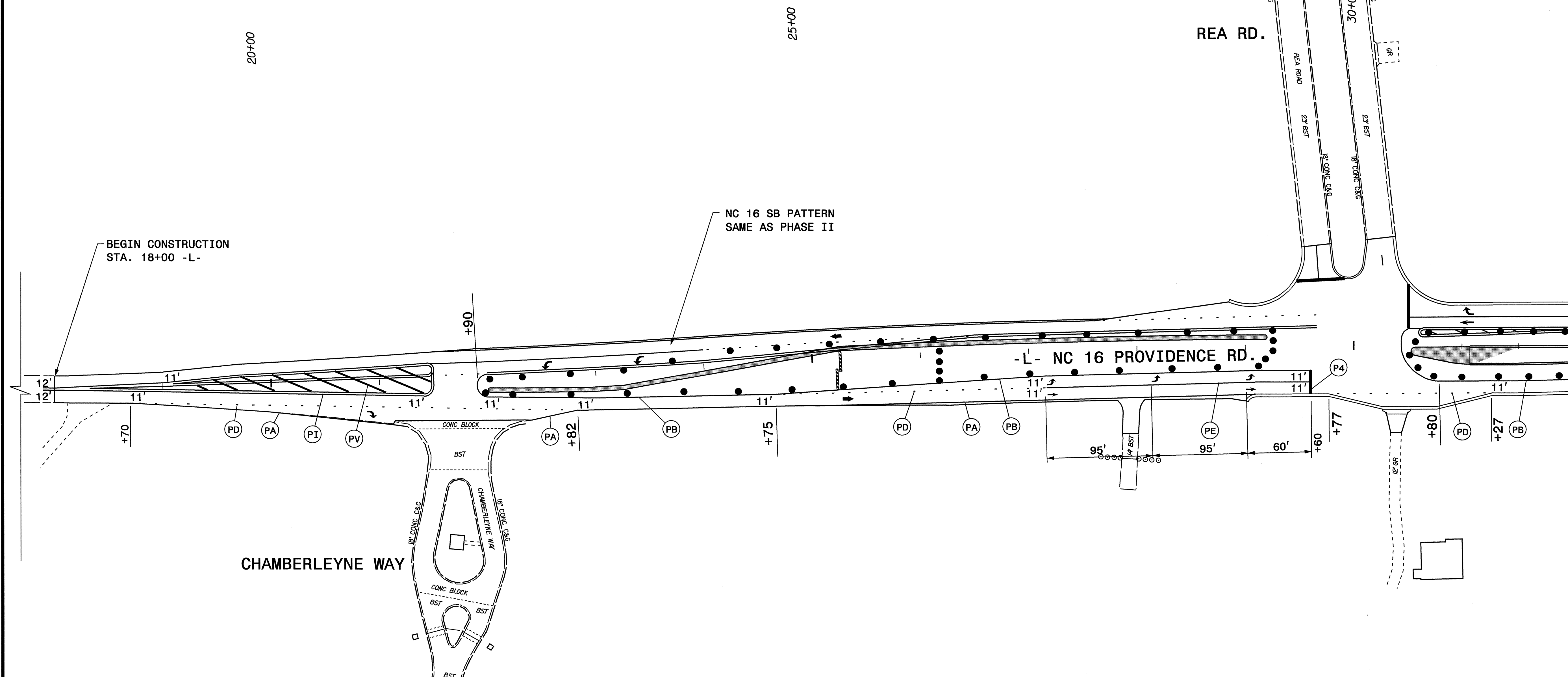
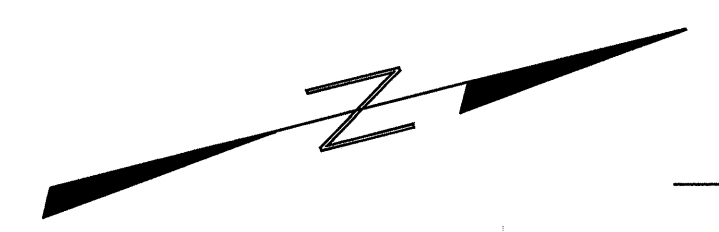
KEEP ROAD CLOSED AS DIRECTED BY THE ENGINEER. IF OPEN THEN INSTALL STOP SIGN.

TEMPORARY PAVEMENT MARKING LEGEND	
(PA) PAINT - WHITE EDGELINE (4")	(QA) ↤ (PAINT - LEFT ARROW)
(PB) PAINT - YELLOW EDGELINE (4")	(QB) ↘ (PAINT - RIGHT ARROW)
(PC) PAINT - 10 FT. WHITE SKIP (4")	(QC) → (PAINT - STRAIGHT ARROW)
(PD) PAINT - 2 FT. WHITE MINISKIP (4")	(QD) ↶ (PAINT - COMBO STRAIGHT LEFT ARROW)
(PE) PAINT - WHITE SOLID LANE LINE (4")	(QE) ↷ (PAINT - COMBO STRAIGHT RIGHT ARROW)
(PI) PAINT - YELLOW DOUBLE CENTER (4")	(QI) ONLY (PAINT - ALPHANEUMERIC CHARACTER)
(PV) PAINT - YELLOW DIAGONAL (8")	(QJ) 🚲 (PAINT - BICYCLE SYMBOL)
(PX) PAINT - WHITE CROSSWALK (8")	(QK) ⬆ (PAINT - BICYCLE ARROW)
(P4) PAINT - WHITE STOPBAR (24")	
(RI) COLD APPLIED PLASTIC TYPE 4 (REM. TAPE) DOUBLE YELLOW CENTERLINE (4")	
(RA) COLD APPLIED PLASTIC TYPE 4 (REM. TAPE) WHITE EDGELINE (4")	

I-485 CHARLOTTE OUTER LOOP

APPROVED: _____	DATE: 8/17/07	PHASE II DETAILS				
	SCALE: NONE				REVISIONS	
	DATE: 8/07					
	DESIGN BY: KP B					
	REVIEWED BY: JWG					

24-AUG-2007 07:05
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K.D. Odwell A11 MZTC224240



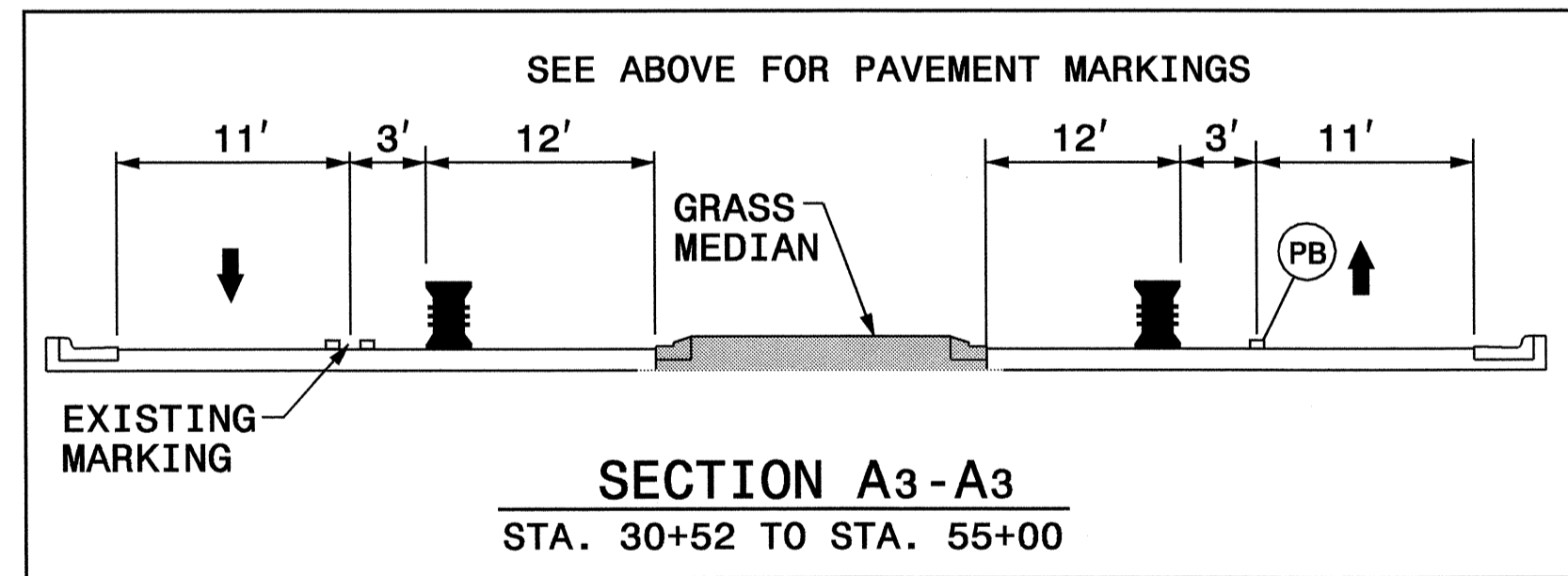
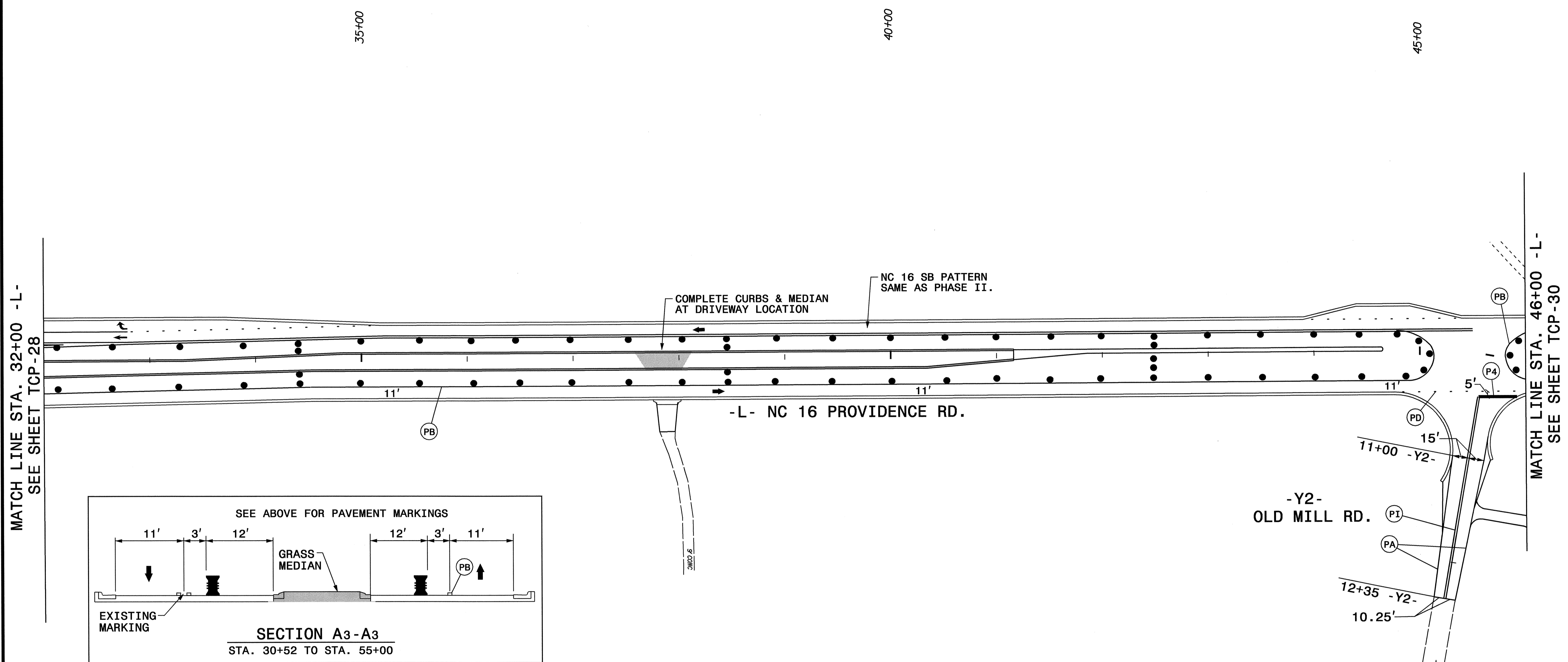
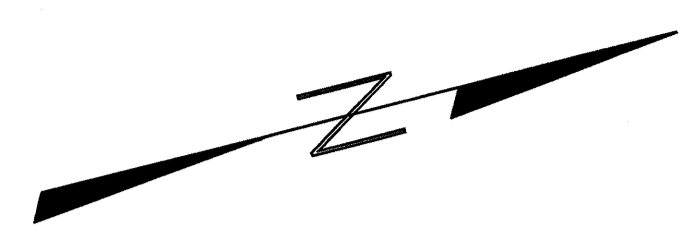
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TEMPORARY PAVEMENT MARKING LEGEND	
(PA) PAINT - WHITE EDGELINE (4")	(QA) ↵ (PAINT - LEFT ARROW)
(PB) PAINT - YELLOW EDGELINE (4")	(QB) ↶ (PAINT - RIGHT ARROW)
(PC) PAINT - 10 FT. WHITE SKIP (4")	(QC) → (PAINT - STRAIGHT ARROW)
(PD) PAINT - 2 FT. WHITE MINISKIP (4")	(QD) ↗ (PAINT - COMBO STRAIGHT LEFT ARROW)
(PE) PAINT - WHITE SOLID LANE LINE (4")	(QE) ↘ (PAINT - COMBO STRAIGHT RIGHT ARROW)
(PI) PAINT - YELLOW DOUBLE CENTER (4")	(QI) ONLY (PAINT - ALPHANEUMERIC CHARACTER)
(PV) PAINT - YELLOW DIAGONAL (8")	(QJ) 🚲 (PAINT - BICYCLE SYMBOL)
(PX) PAINT - WHITE CROSSWALK (8")	(QK) ↑ (PAINT - BICYCLE ARROW)
(P4) PAINT - WHITE STOPBAR (24")	
(RI) COLD APPLIED PLASTIC TYPE 4 (REM. TAPE) DOUBLE YELLOW CENTERLINE (4")	
(RA) COLD APPLIED PLASTIC TYPE 4 (REM. TAPE) WHITE EDGELINE (4")	

APPROVED: _____ DATE: July 27

PHASE III DETAILS

SCALE: NONE		REVISIONS
DATE: 8/07		
DWG. BY: KPB		
DESIGN BY: KPB		
REVIEWED BY: <u>JWG</u>		CADD FILE

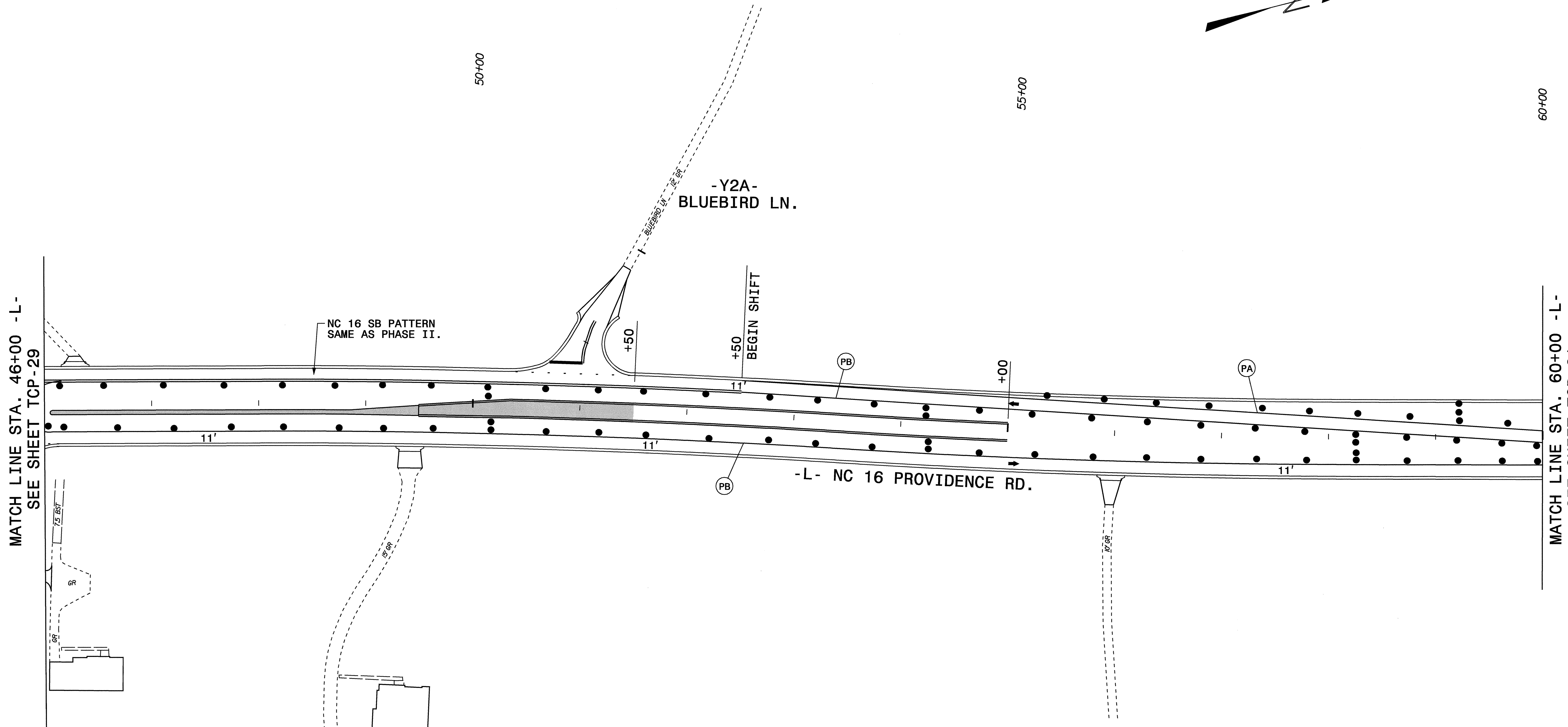
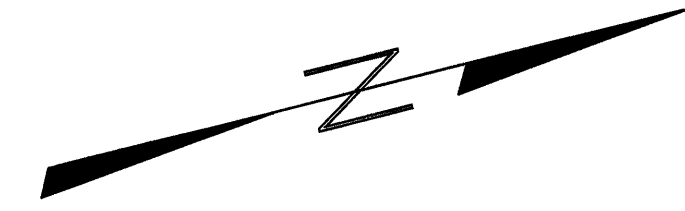


NOTE:
AS DIRECTED BY THE ENGINEER,
FOR CONSTRUCTION OF REMAINING
PROPOSED GRASS MEDIAN NOT
CONSTRUCTED IN PHASE II, INTALL
WATER FILLED BARRIER ON
NC 16 (-L-) AS SHOWN
IN SECTION A3-A3.

TEMPORARY PAVEMENT MARKING LEGEND	
(PA) PAINT - WHITE EDGELINE (4")	(QA) ↖ (PAINT - LEFT ARROW)
(PB) PAINT - YELLOW EDGELINE (4")	(QB) ↗ (PAINT - RIGHT ARROW)
(PC) PAINT - 10 FT. WHITE SKIP (4")	(QC) → (PAINT - STRAIGHT ARROW)
(PD) PAINT - 2 FT. WHITE MINISKIP (4")	(QD) ↖↗ (PAINT - COMBO STRAIGHT LEFT ARROW)
(PE) PAINT - WHITE SOLID LANE LINE (4")	(QE) ↗↖ (PAINT - COMBO STRAIGHT RIGHT ARROW)
(PI) PAINT - YELLOW DOUBLE CENTER (4")	(QI) ONLY (PAINT - ALPHANEUMERIC CHARACTER)
(PV) PAINT - YELLOW DIAGONAL (8")	(QJ) 🚲 (PAINT - BICYCLE SYMBOL)
(PX) PAINT - WHITE CROSSWALK (8")	(QK) ↑ (PAINT - BICYCLE ARROW)
(P4) PAINT - WHITE STOPBAR (24")	
(RI) COLD APPLIED PLASTIC TYPE 4 (REM. TAPE) DOUBLE YELLOW CENTERLINE (4")	
(RA) COLD APPLIED PLASTIC TYPE 4 (REM. TAPE) WHITE EDGELINE (4")	

APPROVED: _____	DATE: 2 Aug 07	PHASE III DETAILS								
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	REVISIONS									
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DESIGN BY: KPB										
REVIEWED BY: JWG										

23-AUG-2007 10:55
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kbradwell AT WZ.LC224240



MATCH LINE STA. 46+00 -L-
SEE SHEET TCP-29

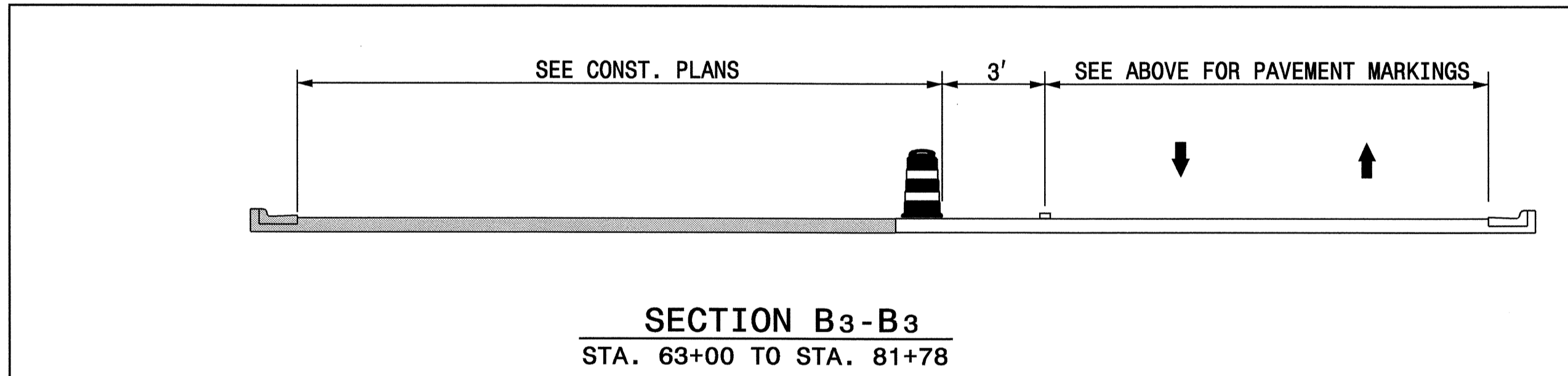
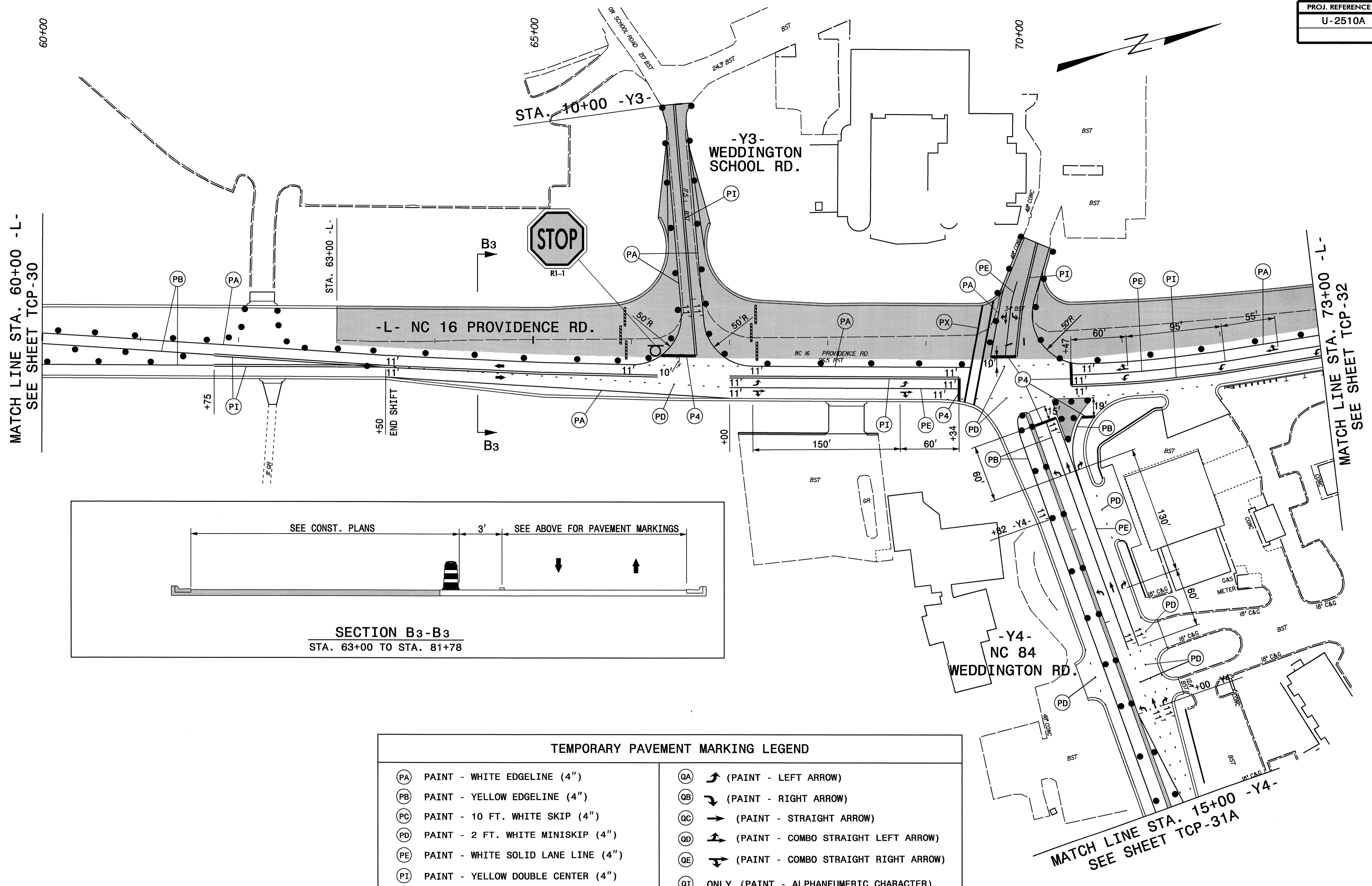
MATCH LINE STA. 60+00 -L-
SEE SHEET TCP-31

TEMPORARY PAVEMENT MARKING LEGEND

(PA) PAINT - WHITE EDGELINE (4")	(QA) ↶ (PAINT - LEFT ARROW)
(PB) PAINT - YELLOW EDGELINE (4")	(QB) ↷ (PAINT - RIGHT ARROW)
(PC) PAINT - 10 FT. WHITE SKIP (4")	(QC) → (PAINT - STRAIGHT ARROW)
(PD) PAINT - 2 FT. WHITE MINISKIP (4")	(QD) ↶↷ (PAINT - COMBO STRAIGHT LEFT ARROW)
(PE) PAINT - WHITE SOLID LANE LINE (4")	(QE) ↷↶ (PAINT - COMBO STRAIGHT RIGHT ARROW)
(PI) PAINT - YELLOW DOUBLE CENTER (4")	(QI) ONLY (PAINT - ALPHANEUMERIC CHARACTER)
(PV) PAINT - YELLOW DIAGONAL (8")	(QJ) 🚲 (PAINT - BICYCLE SYMBOL)
(PX) PAINT - WHITE CROSSWALK (8")	(QK) ⬆ (PAINT - BICYCLE ARROW)
(P4) PAINT - WHITE STOPBAR (24")	
(RI) COLD APPLIED PLASTIC TYPE 4 (REM. TAPE) DOUBLE YELLOW CENTERLINE (4")	
(RA) COLD APPLIED PLASTIC TYPE 4 (REM. TAPE) WHITE EDGELINE (4")	

APPROVED: _____ DATE: <i>8/17/07</i>	PHASE III DETAILS										
	SCALE: NONE										
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	REVISIONS										
DWG. BY: KPB											
DESIGN BY: KPB											
REVIEWED BY: <i>JWG</i>	CADD FILE										

23-AUG-2007 10:56
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 Kbr\odwell AT MZTC2240



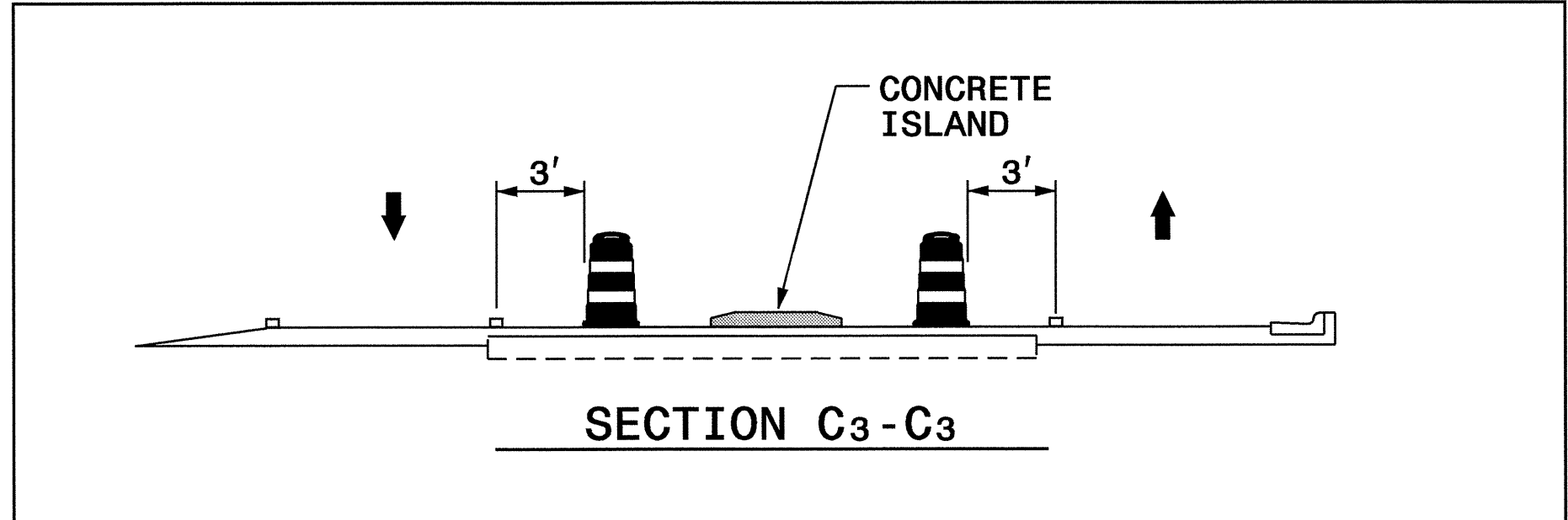
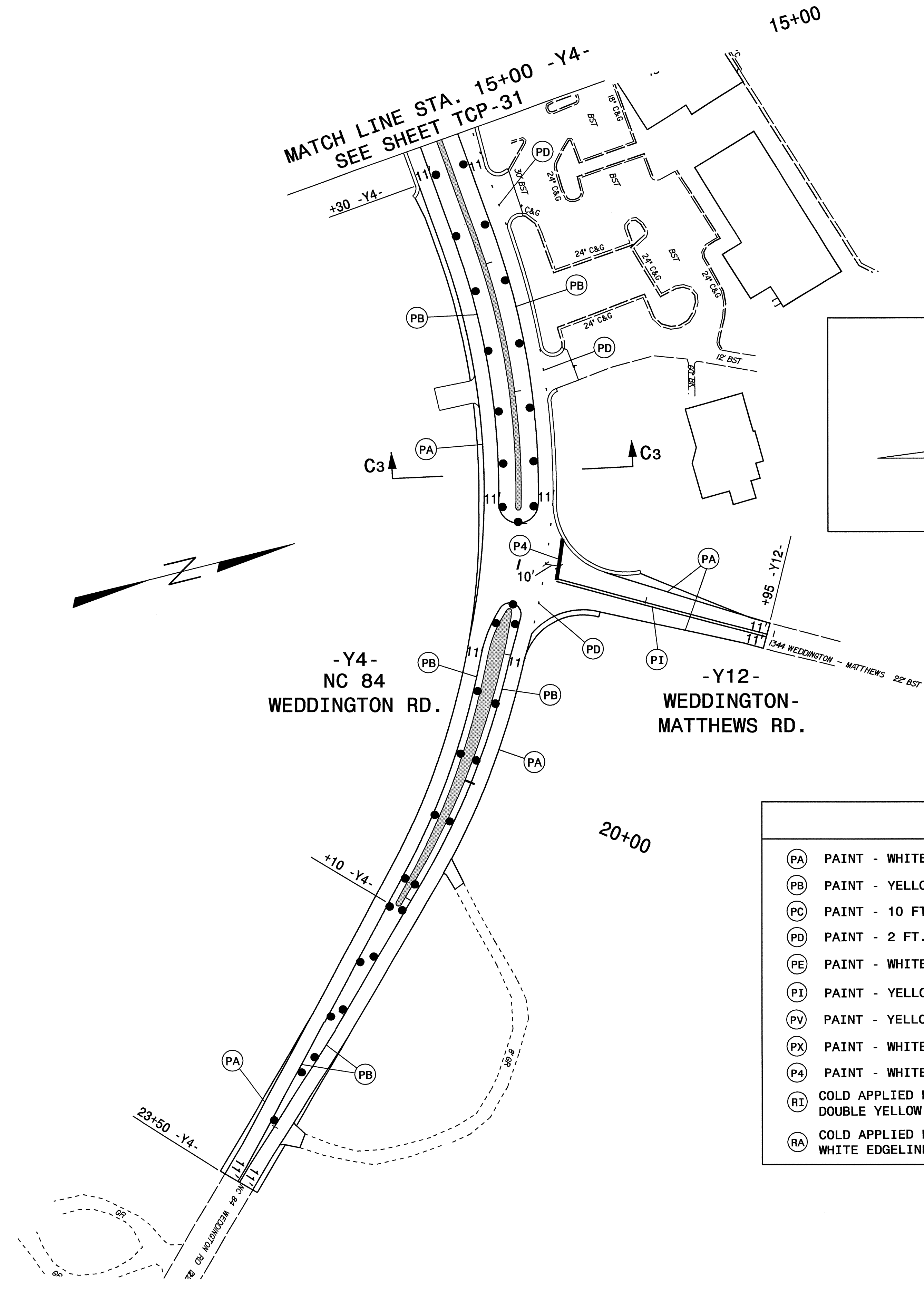
TEMPORARY PAVEMENT MARKING LEGEND	
(PA) PAINT - WHITE EDGELINE (4")	(QA) ↗ (PAINT - LEFT ARROW)
(PB) PAINT - YELLOW EDGELINE (4")	(QB) ↘ (PAINT - RIGHT ARROW)
(PC) PAINT - 10 FT. WHITE SKIP (4")	(QC) → (PAINT - STRAIGHT ARROW)
(PD) PAINT - 2 FT. WHITE MINISKIP (4")	(QD) ↗↘ (PAINT - COMBO STRAIGHT LEFT ARROW)
(PE) PAINT - WHITE SOLID LANE LINE (4")	(QE) ↘↗ (PAINT - COMBO STRAIGHT RIGHT ARROW)
(PI) PAINT - YELLOW DOUBLE CENTER (4")	(QI) ONLY (PAINT - ALPHANEUMERIC CHARACTER)
(PV) PAINT - YELLOW DIAGONAL (8")	(QJ) 🚲 (PAINT - BICYCLE SYMBOL)
(PX) PAINT - WHITE CROSSWALK (8")	(QK) ↑ (PAINT - BICYCLE ARROW)
(P4) PAINT - WHITE STOPBAR (24")	
(RI) COLD APPLIED PLASTIC TYPE 4 (REM. TAPE) DOUBLE YELLOW CENTERLINE (4")	
(RA) COLD APPLIED PLASTIC TYPE 4 (REM. TAPE) WHITE EDGELINE (4")	

APPROVED: _____ DATE: 8/07

PHASE III DETAILS

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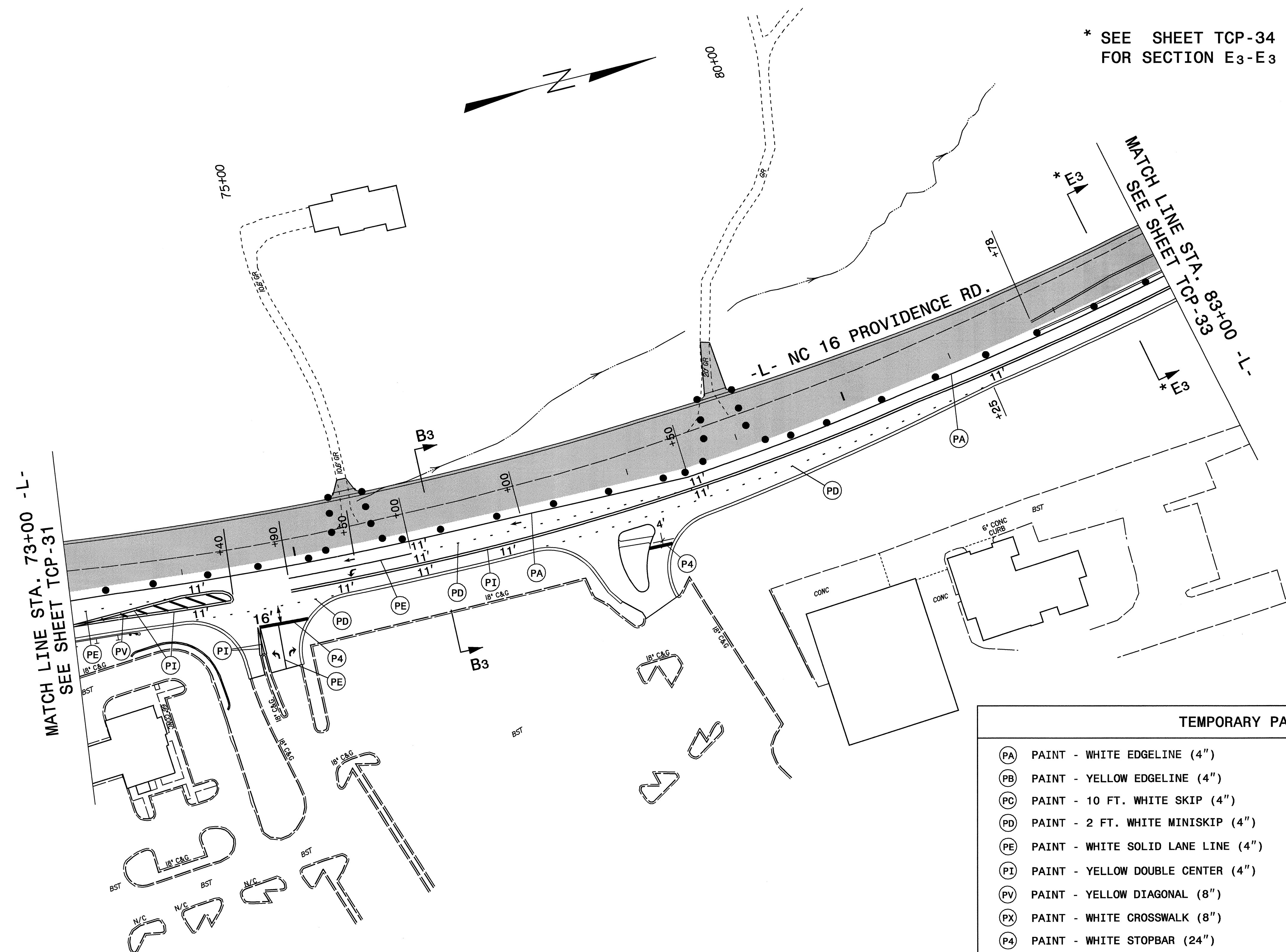


TEMPORARY PAVEMENT MARKING LEGEND	
(PA) PAINT - WHITE EDGELINE (4")	(QA) ↤ (PAINT - LEFT ARROW)
(PB) PAINT - YELLOW EDGELINE (4")	(QB) ↦ (PAINT - RIGHT ARROW)
(PC) PAINT - 10 FT. WHITE SKIP (4")	(QC) → (PAINT - STRAIGHT ARROW)
(PD) PAINT - 2 FT. WHITE MINISKIP (4")	(QD) ↤↦ (PAINT - COMBO STRAIGHT LEFT ARROW)
(PE) PAINT - WHITE SOLID LANE LINE (4")	(QE) ↦↤ (PAINT - COMBO STRAIGHT RIGHT ARROW)
(PI) PAINT - YELLOW DOUBLE CENTER (4")	(QI) ONLY (PAINT - ALPHANEUMERIC CHARACTER)
(PV) PAINT - YELLOW DIAGONAL (8")	(QJ) 🚲 (PAINT - BICYCLE SYMBOL)
(PX) PAINT - WHITE CROSSWALK (8")	(QK) ↑ (PAINT - BICYCLE ARROW)
(PA) PAINT - WHITE STOPBAR (24")	
(RI) COLD APPLIED PLASTIC TYPE 4 (REM. TAPE) DOUBLE YELLOW CENTERLINE (4")	
(RA) COLD APPLIED PLASTIC TYPE 4 (REM. TAPE) WHITE EDGELINE (4")	

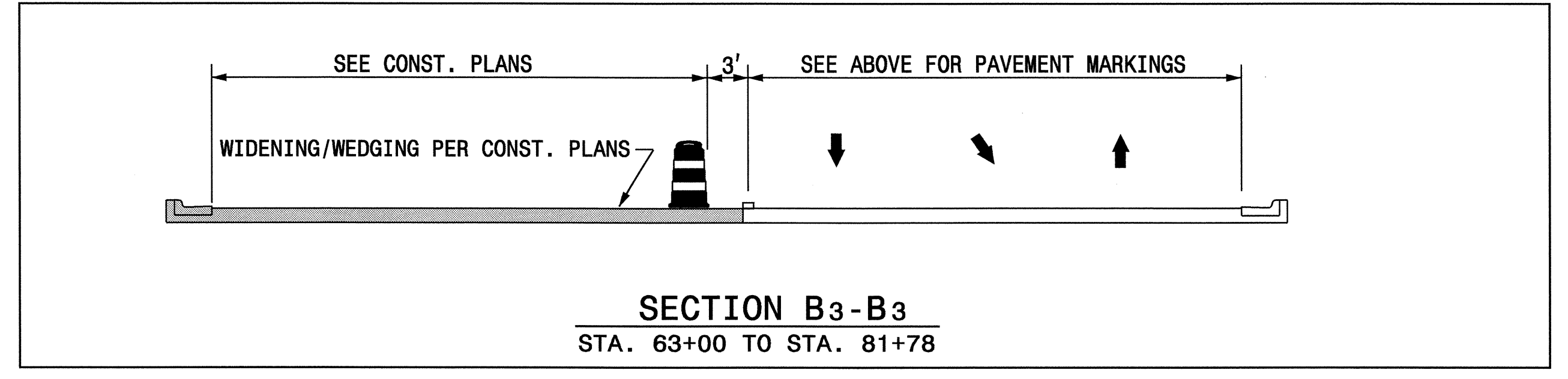
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* SEE SHEET TCP-34
FOR SECTION E3-E3

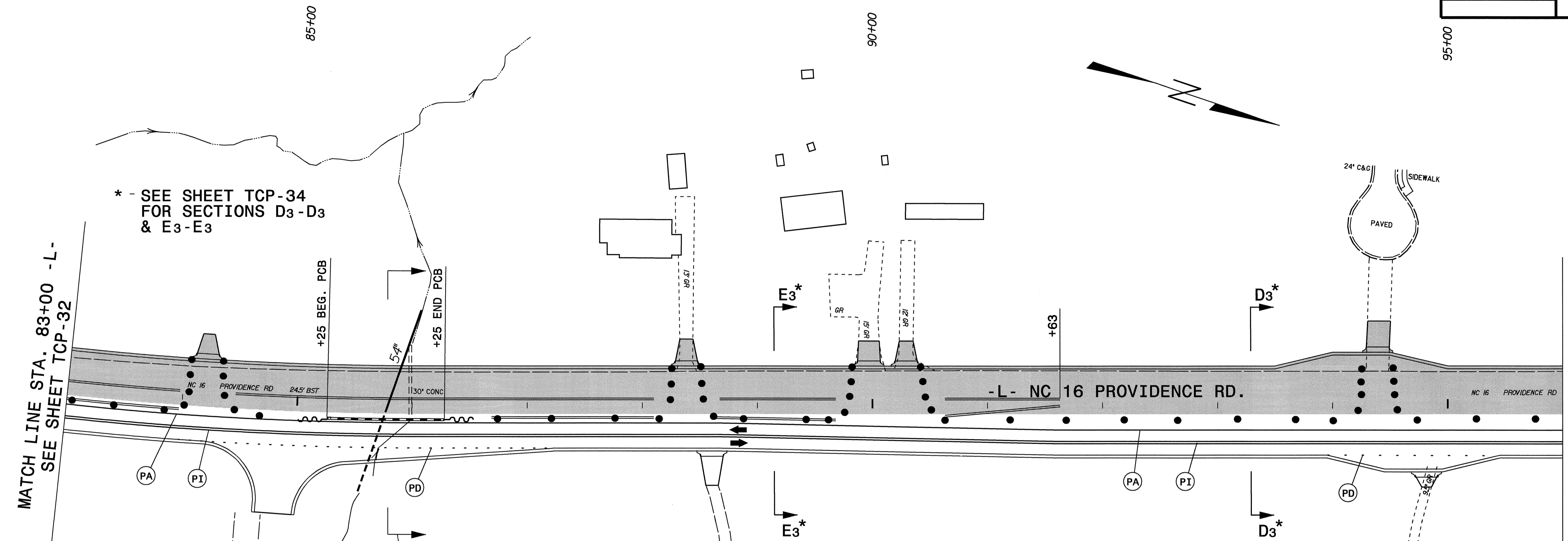


TEMPORARY PAVEMENT MARKING LEGEND	
(PA)	PAINT - WHITE EDGELINE (4")
(PB)	PAINT - YELLOW EDGELINE (4")
(PC)	PAINT - 10 FT. WHITE SKIP (4")
(PD)	PAINT - 2 FT. WHITE MINISKIP (4")
(PE)	PAINT - WHITE SOLID LANE LINE (4")
(PI)	PAINT - YELLOW DOUBLE CENTER (4")
(PV)	PAINT - YELLOW DIAGONAL (8")
(PX)	PAINT - WHITE CROSSWALK (8")
(P4)	PAINT - WHITE STOPBAR (24")
(R1)	COLD APPLIED PLASTIC TYPE 4 (REM. TAPE) DOUBLE YELLOW CENTERLINE (4")
(RA)	COLD APPLIED PLASTIC TYPE 4 (REM. TAPE) WHITE EDGELINE (4")
(QA)	↑ (PAINT - LEFT ARROW)
(QB)	↘ (PAINT - RIGHT ARROW)
(QC)	→ (PAINT - STRAIGHT ARROW)
(QD)	↗ (PAINT - COMBO STRAIGHT LEFT ARROW)
(QE)	↘ (PAINT - COMBO STRAIGHT RIGHT ARROW)
(QI)	ONLY (PAINT - ALPHANEUMERIC CHARACTER)
(QJ)	🚲 (PAINT - BICYCLE SYMBOL)
(QK)	↑ (PAINT - BICYCLE ARROW)

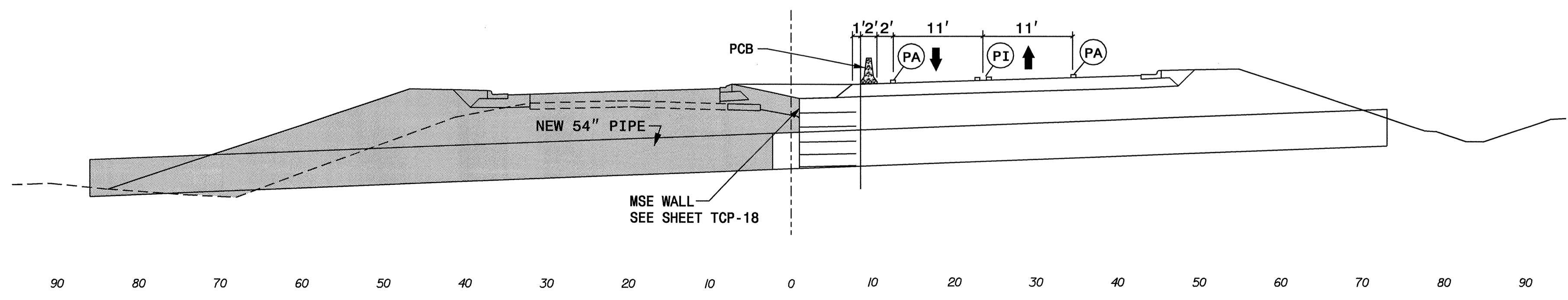


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TEMPORARY PAVEMENT MARKING LEGEND	
(PA) PAINT - WHITE EDGELINE (4")	(QA) ↲ (PAINT - LEFT ARROW)
(PB) PAINT - YELLOW EDGELINE (4")	(QB) ↻ (PAINT - RIGHT ARROW)
(PC) PAINT - 10 FT. WHITE SKIP (4")	(QC) → (PAINT - STRAIGHT ARROW)
(PD) PAINT - 2 FT. WHITE MINISKIP (4")	(QD) ↻ (PAINT - COMBO STRAIGHT LEFT ARROW)
(PE) PAINT - WHITE SOLID LANE LINE (4")	(QE) ↻ (PAINT - COMBO STRAIGHT RIGHT ARROW)
(PI) PAINT - YELLOW DOUBLE CENTER (4")	(QI) ONLY (PAINT - ALPHANEUMERIC CHARACTER)
(PV) PAINT - YELLOW DIAGONAL (8")	(QJ) 🚲 (PAINT - BICYCLE SYMBOL)
(PX) PAINT - WHITE CROSSWALK (8")	(QK) ↑ (PAINT - BICYCLE ARROW)
(P4) PAINT - WHITE STOPBAR (24")	
(RI) COLD APPLIED PLASTIC TYPE 4 (REM. TAPE) DOUBLE YELLOW CENTERLINE (4")	
(RA) COLD APPLIED PLASTIC TYPE 4 (REM. TAPE) WHITE EDGELINE (4")	



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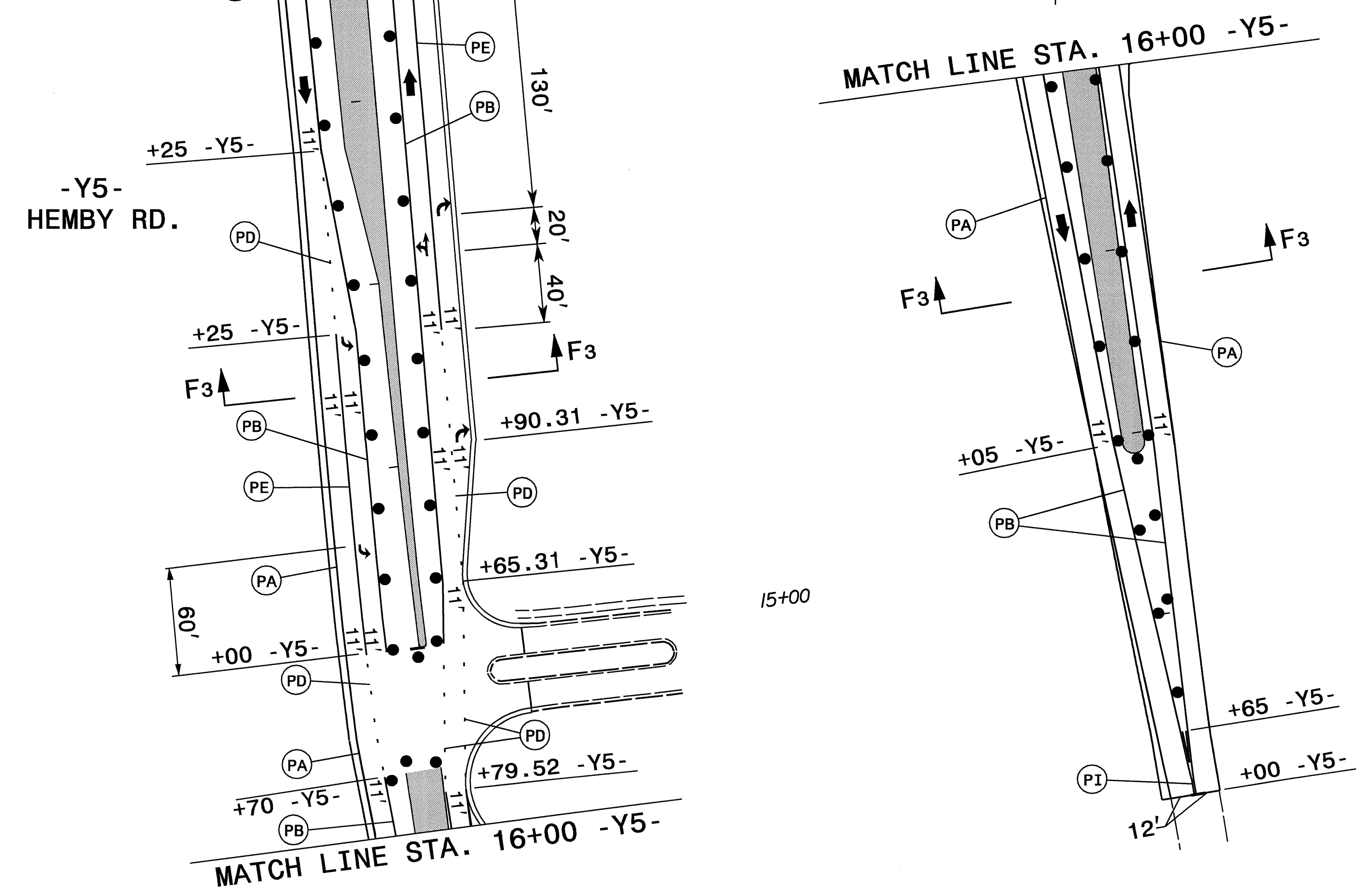
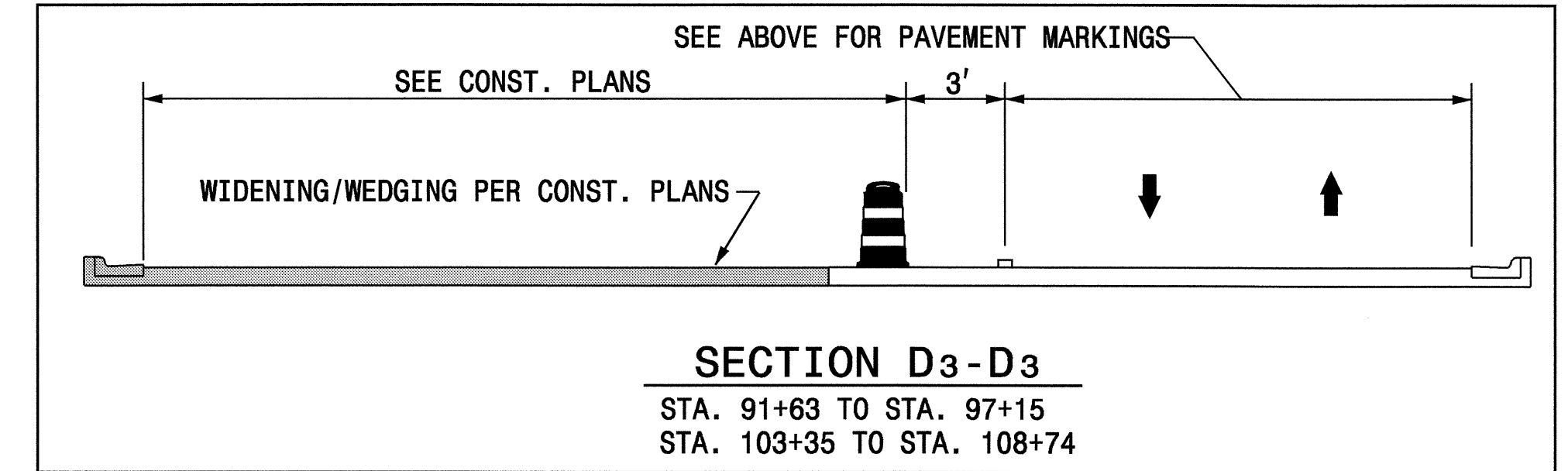
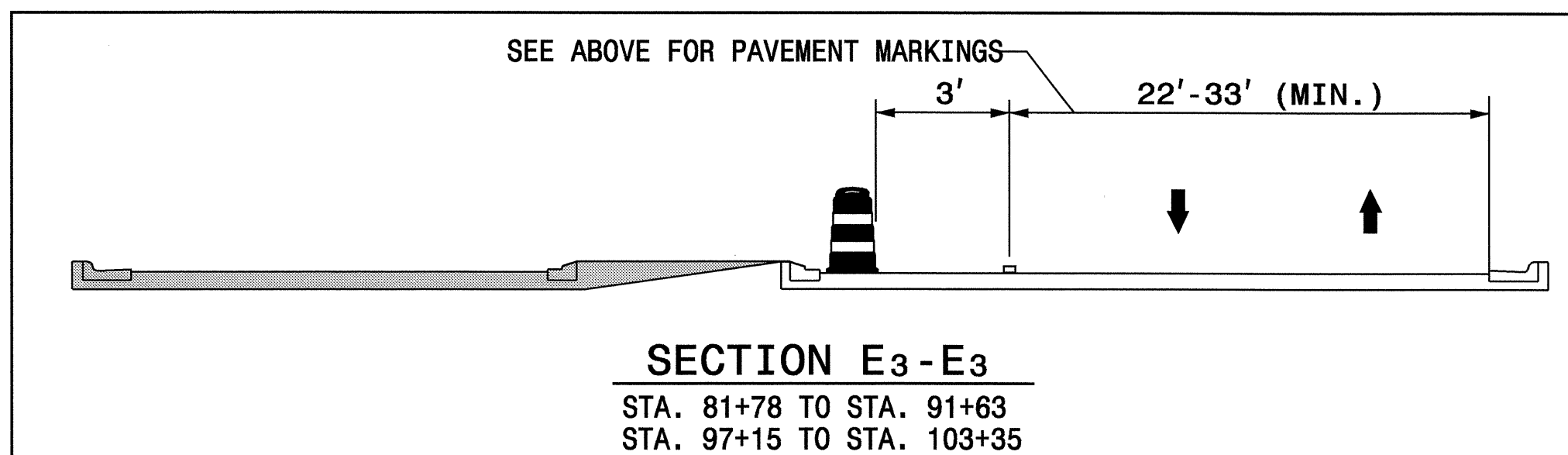
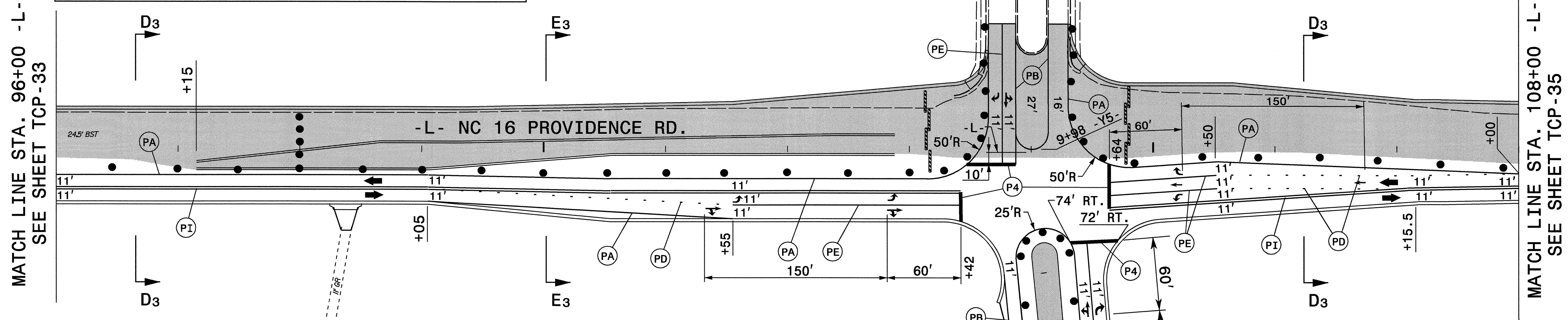
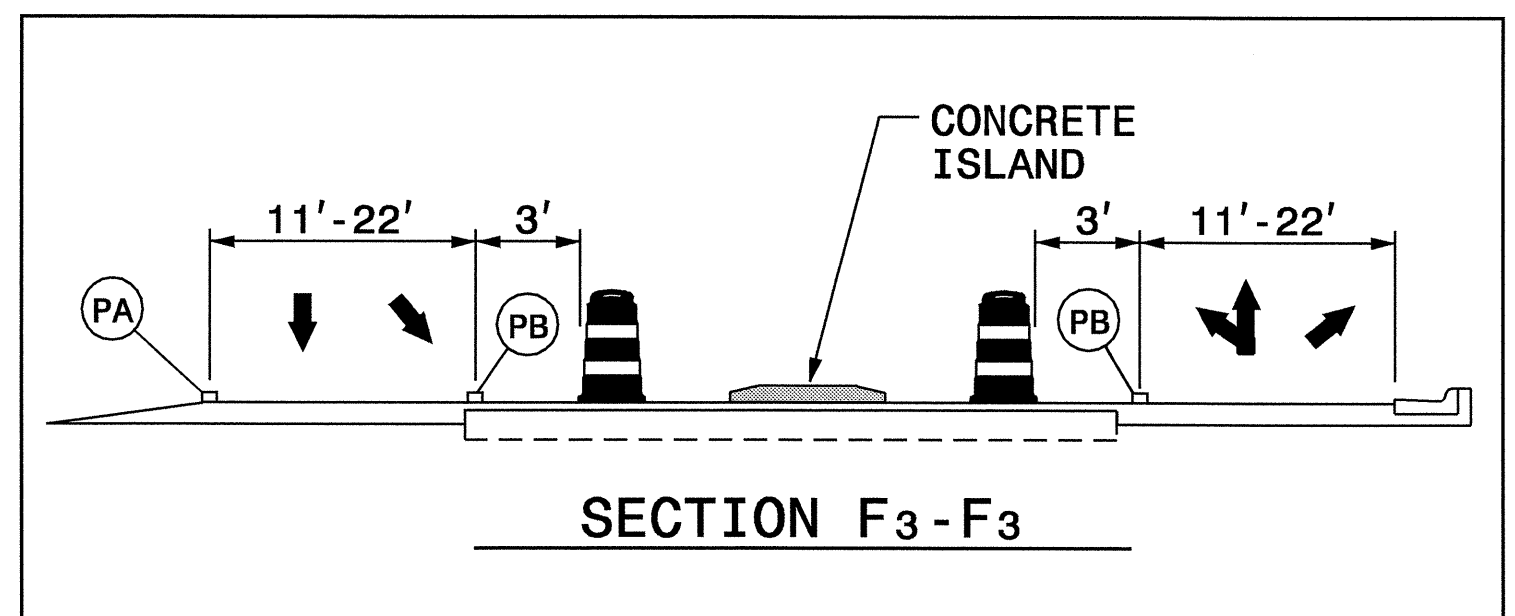
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APPROVED: _____ DATE: 24 Aug 07

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PHASE III DETAILS

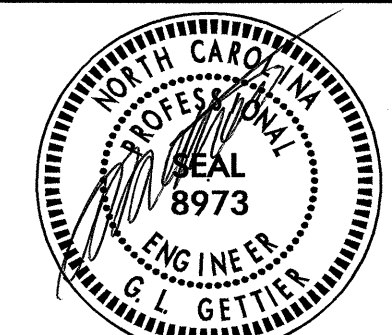
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REVIEWED BY: JWG		
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TEMPORARY PAVEMENT MARKING LEGEND

(PA) PAINT - WHITE EDGELINE (4")	(QA) ↗ (PAINT - LEFT ARROW)
(PB) PAINT - YELLOW EDGELINE (4")	(QB) ↘ (PAINT - RIGHT ARROW)
(PC) PAINT - 10 FT. WHITE SKIP (4")	(QC) → (PAINT - STRAIGHT ARROW)
(PD) PAINT - 2 FT. WHITE MINISKIP (4")	(QD) ↗↘ (PAINT - COMBO STRAIGHT LEFT ARROW)
(PE) PAINT - WHITE SOLID LANE LINE (4")	(QE) ↘↗ (PAINT - COMBO STRAIGHT RIGHT ARROW)
(PI) PAINT - YELLOW DOUBLE CENTER (4")	(QI) ONLY (PAINT - ALPHANEUMERIC CHARACTER)
(PV) PAINT - YELLOW DIAGONAL (8")	(QJ) ⚡ (PAINT - BICYCLE SYMBOL)
(PX) PAINT - WHITE CROSSWALK (8")	(QK) ↑ (PAINT - BICYCLE ARROW)
(P4) PAINT - WHITE STOPBAR (24")	
(RI) COLD APPLIED PLASTIC TYPE 4 (REM. TAPE) DOUBLE YELLOW CENTERLINE (4")	
(RA) COLD APPLIED PLASTIC TYPE 4 (REM. TAPE) WHITE EDGELINE (4")	

APPROVED: _____ DATE: 8/07

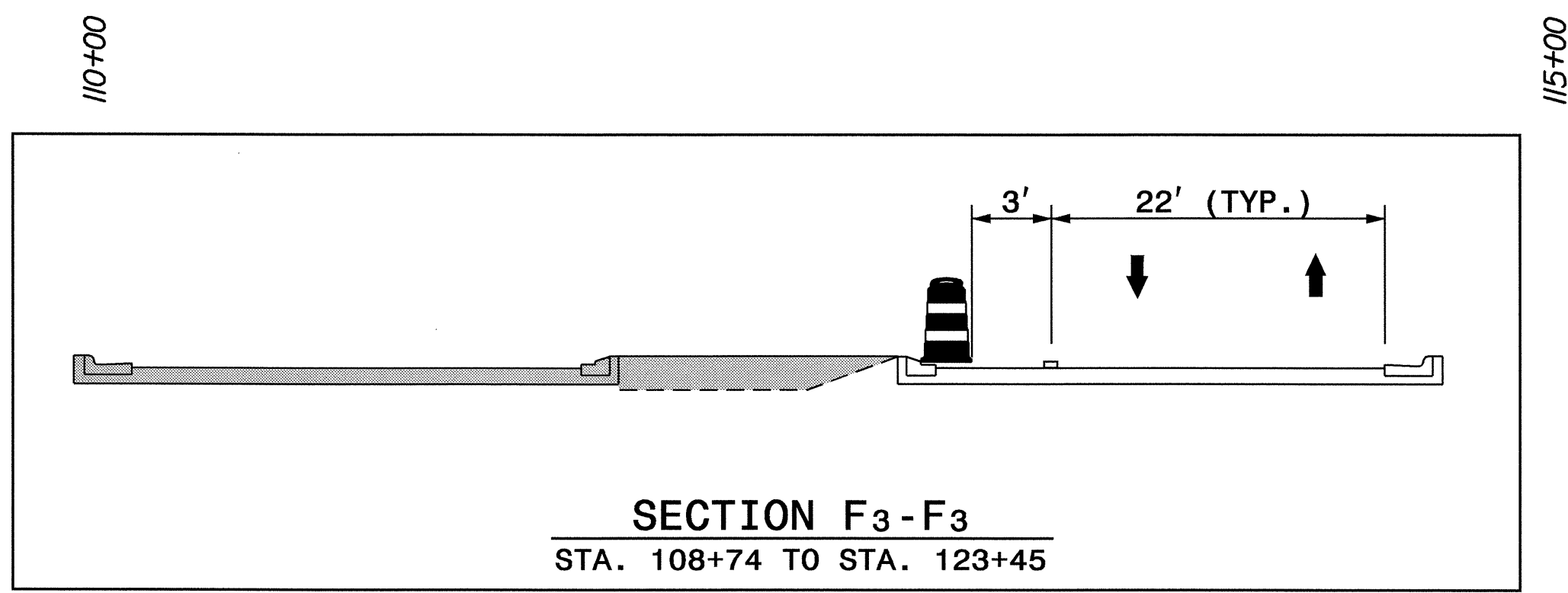
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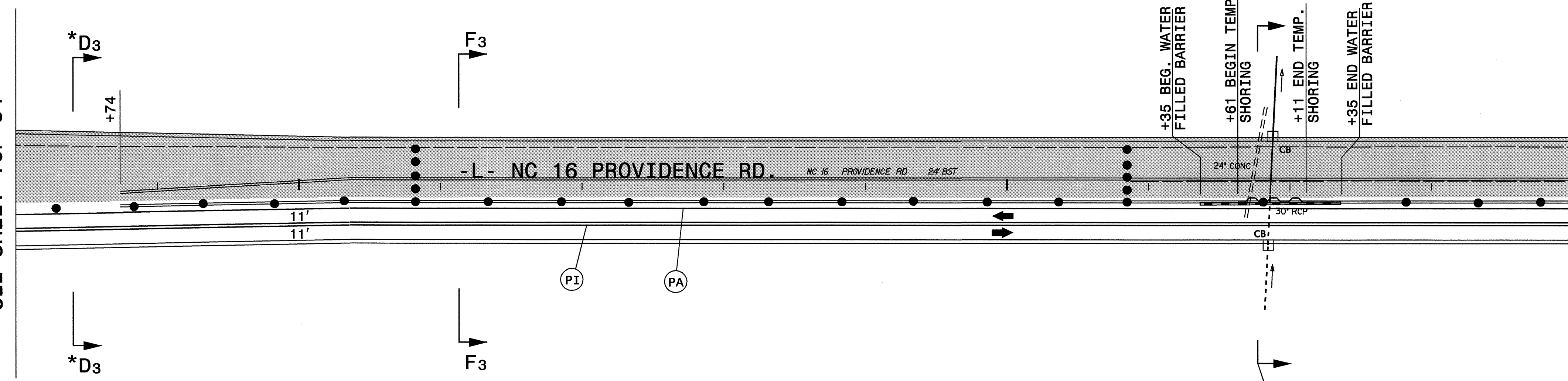
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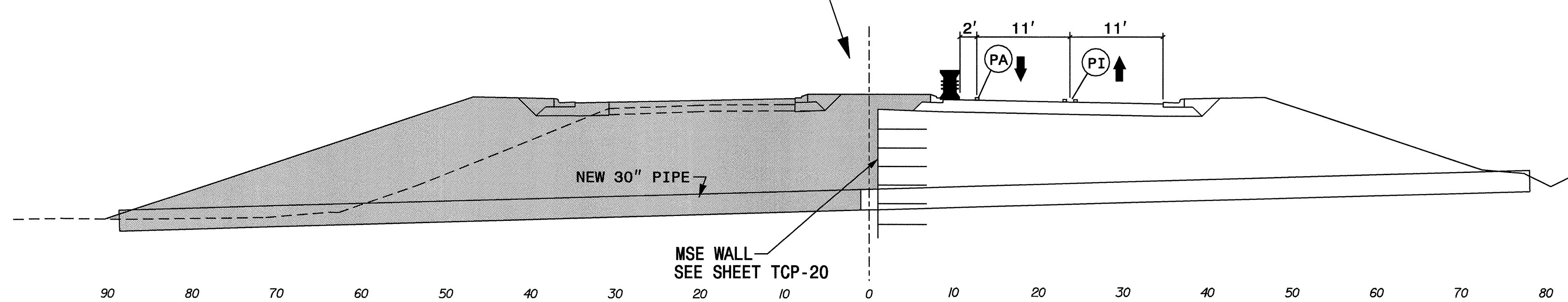
* SEE SHEET TCP-34 FOR SECTION D₃-D₃



MATCH LINE STA. 108+00 - L- SEE SHEET TCP-34



MATCH LINE STA. 119+00 - L- SEE SHEET TCP-36

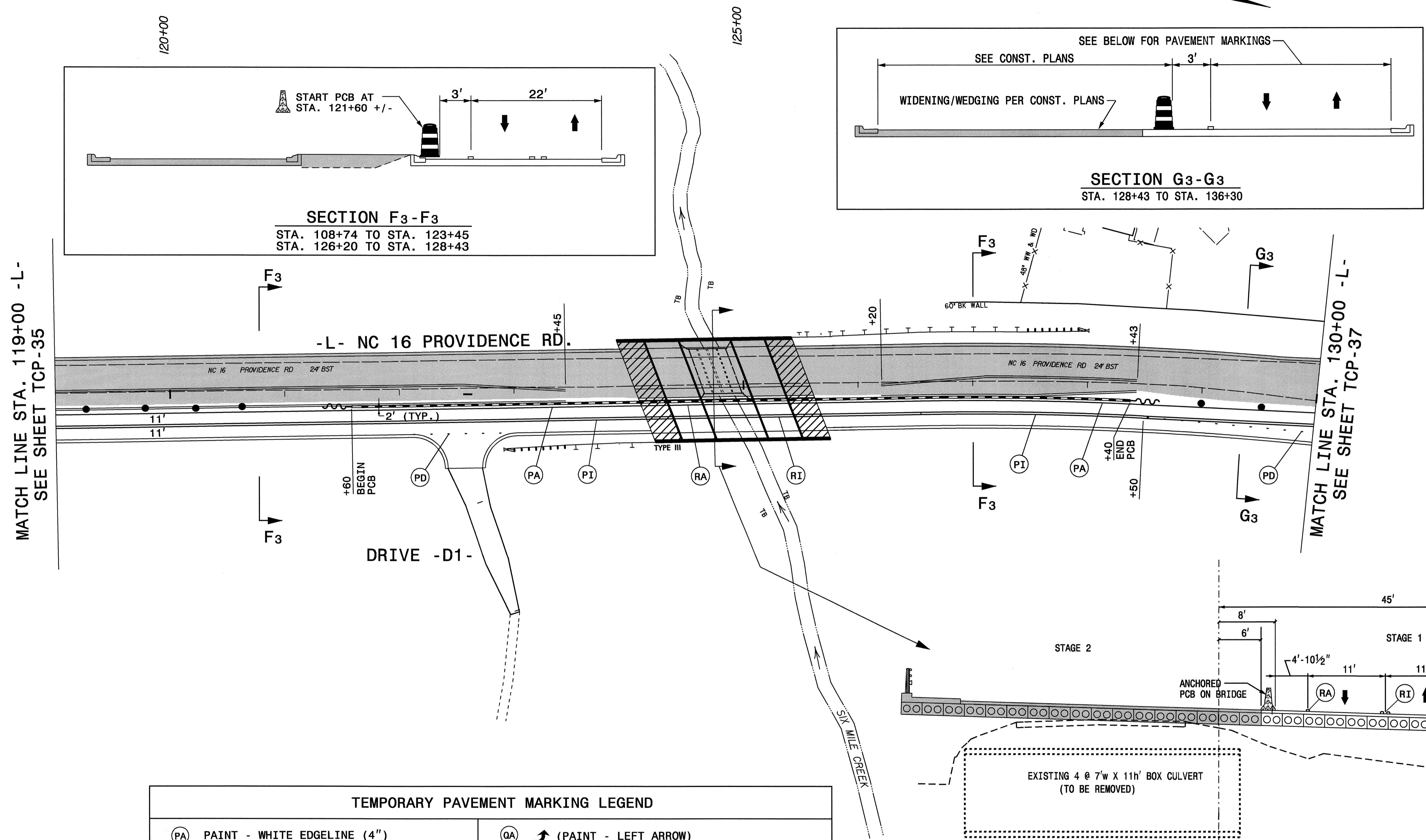


TEMPORARY PAVEMENT MARKING LEGEND

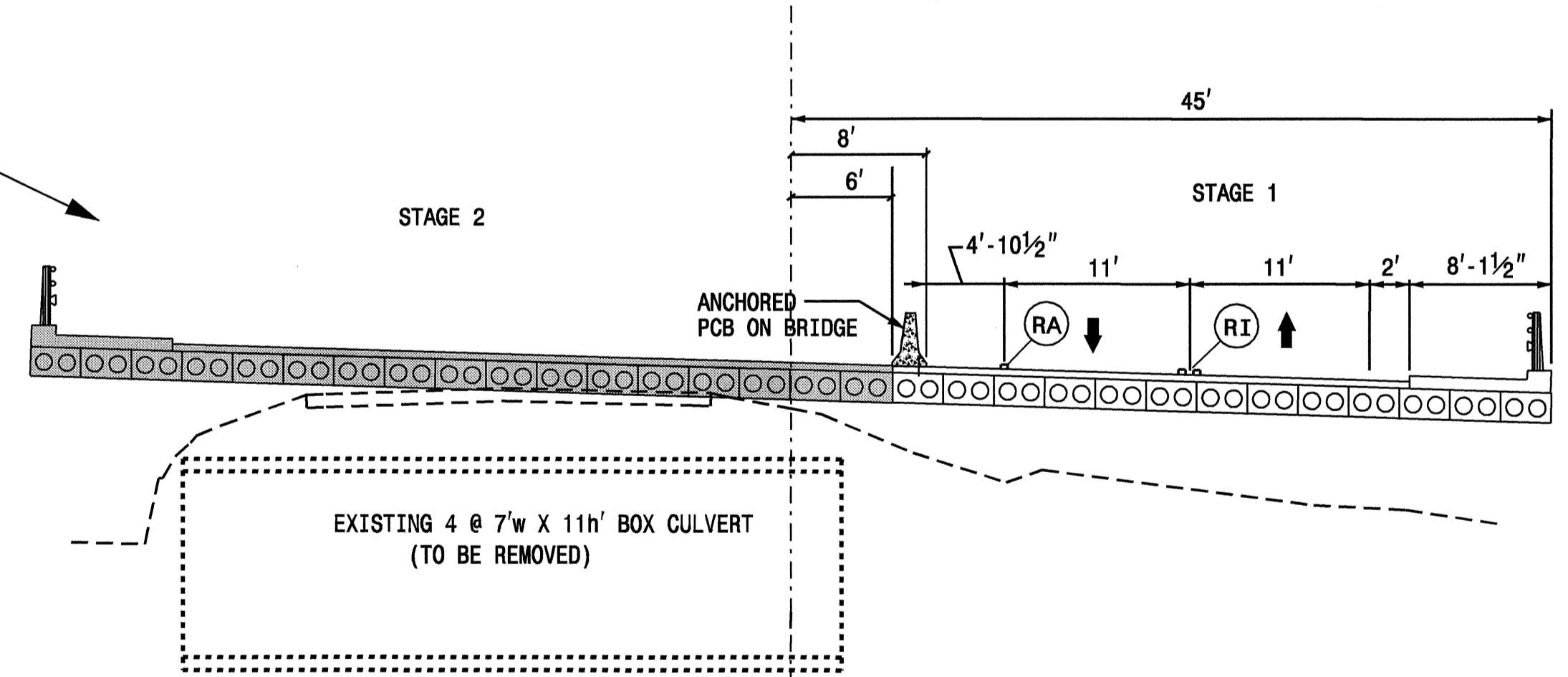
(PA) PAINT - WHITE EDGELINE (4")	(QA) ↶ (PAINT - LEFT ARROW)
(PB) PAINT - YELLOW EDGELINE (4")	(QB) ↷ (PAINT - RIGHT ARROW)
(PC) PAINT - 10 FT. WHITE SKIP (4")	(QC) → (PAINT - STRAIGHT ARROW)
(PD) PAINT - 2 FT. WHITE MINISKIP (4")	(QD) ↶→ (PAINT - COMBO STRAIGHT LEFT ARROW)
(PE) PAINT - WHITE SOLID LANE LINE (4")	(QE) →↷ (PAINT - COMBO STRAIGHT RIGHT ARROW)
(PI) PAINT - YELLOW DOUBLE CENTER (4")	(QI) ONLY (PAINT - ALPHANEUMERIC CHARACTER)
(PV) PAINT - YELLOW DIAGONAL (8")	(QJ) 🚲 (PAINT - BICYCLE SYMBOL)
(PX) PAINT - WHITE CROSSWALK (8")	(QK) ↑ (PAINT - BICYCLE ARROW)
(P4) PAINT - WHITE STOPBAR (24")	
(RI) COLD APPLIED PLASTIC TYPE 4 (REM. TAPE) DOUBLE YELLOW CENTERLINE (4")	
(RA) COLD APPLIED PLASTIC TYPE 4 (REM. TAPE) WHITE EDGELINE (4")	

APPROVED: _____ DATE: 8/07	PHASE III DETAILS	
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TEMPORARY PAVEMENT MARKING LEGEND	
(PA) PAINT - WHITE EDGELINE (4")	(QA) ↶ (PAINT - LEFT ARROW)
(PB) PAINT - YELLOW EDGELINE (4")	(QB) ↷ (PAINT - RIGHT ARROW)
(PC) PAINT - 10 FT. WHITE SKIP (4")	(QC) → (PAINT - STRAIGHT ARROW)
(PD) PAINT - 2 FT. WHITE MINISKIP (4")	(QD) ↶→ (PAINT - COMBO STRAIGHT LEFT ARROW)
(PE) PAINT - WHITE SOLID LANE LINE (4")	(QE) ↷→ (PAINT - COMBO STRAIGHT RIGHT ARROW)
(PI) PAINT - YELLOW DOUBLE CENTER (4")	(QI) ONLY (PAINT - ALPHANEUMERIC CHARACTER)
(PV) PAINT - YELLOW DIAGONAL (8")	(QJ) 🚲 (PAINT - BICYCLE SYMBOL)
(PX) PAINT - WHITE CROSSWALK (8")	(QK) ↑ (PAINT - BICYCLE ARROW)
(P4) PAINT - WHITE STOPBAR (24")	
(RI) GOLD APPLIED PLASTIC TYPE 4 (REM. TAPE) DOUBLE YELLOW CENTERLINE (4")	
(RA) GOLD APPLIED PLASTIC TYPE 4 (REM. TAPE) WHITE EDGELINE (4")	



MATCH LINE STA. 119+00 -L-
SEE SHEET TCP-35

MATCH LINE STA. 130+00 -L-
SEE SHEET TCP-37

APPROVED: _____ DATE: 8/07/07

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PHASE III DETAILS

SCALE: NONE

DATE: 8/07

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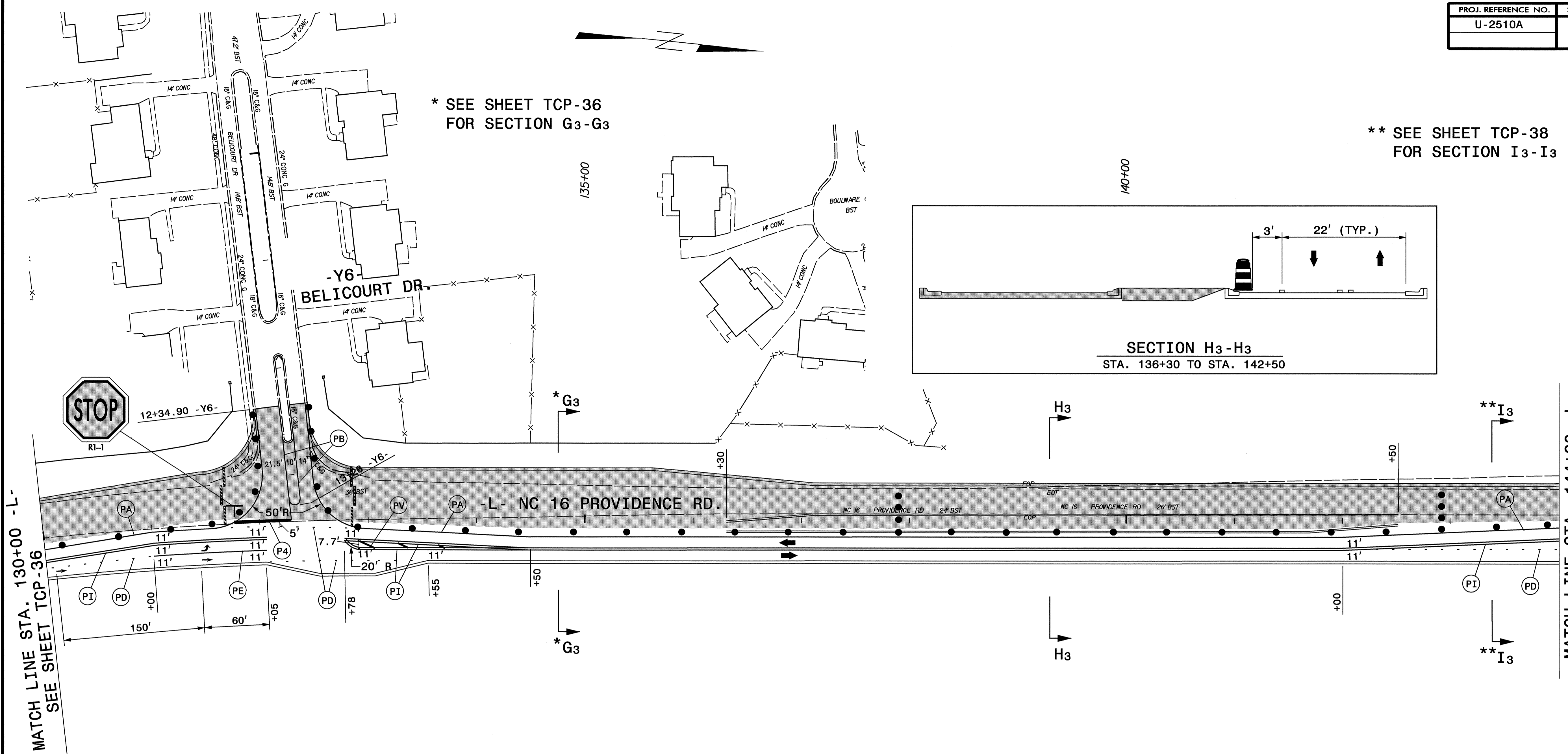
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* SEE SHEET TCP-36
FOR SECTION G3-G3

** SEE SHEET TCP-38
FOR SECTION I3-I3

MATCH LINE STA. 130+00 -L-
SEE SHEET TCP-36

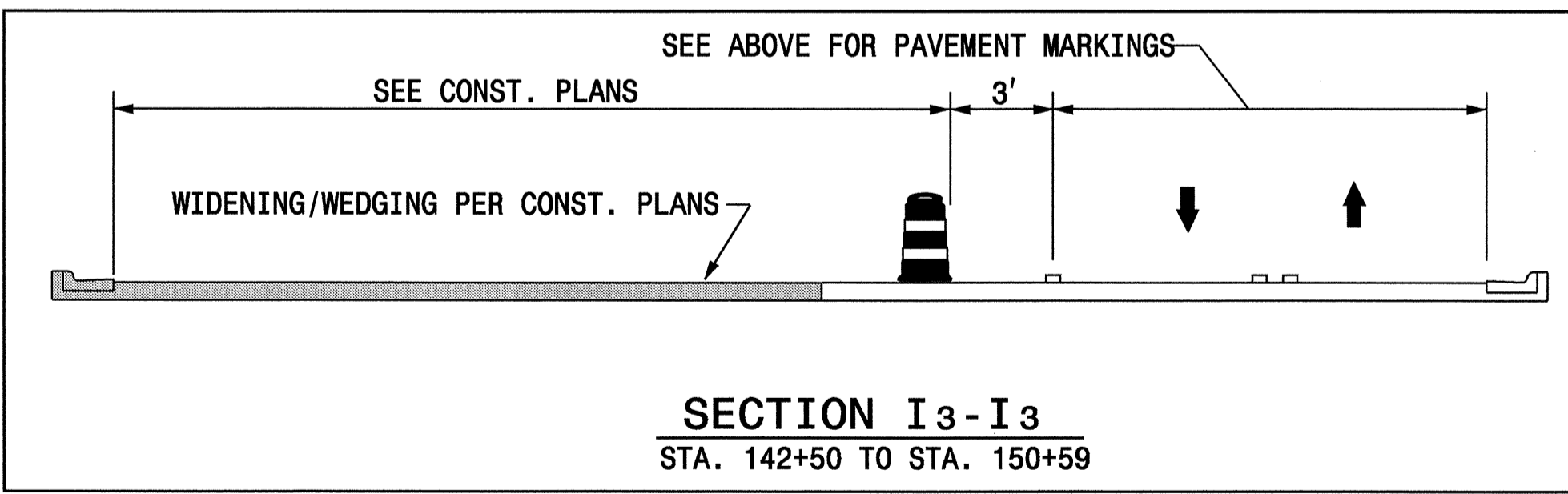
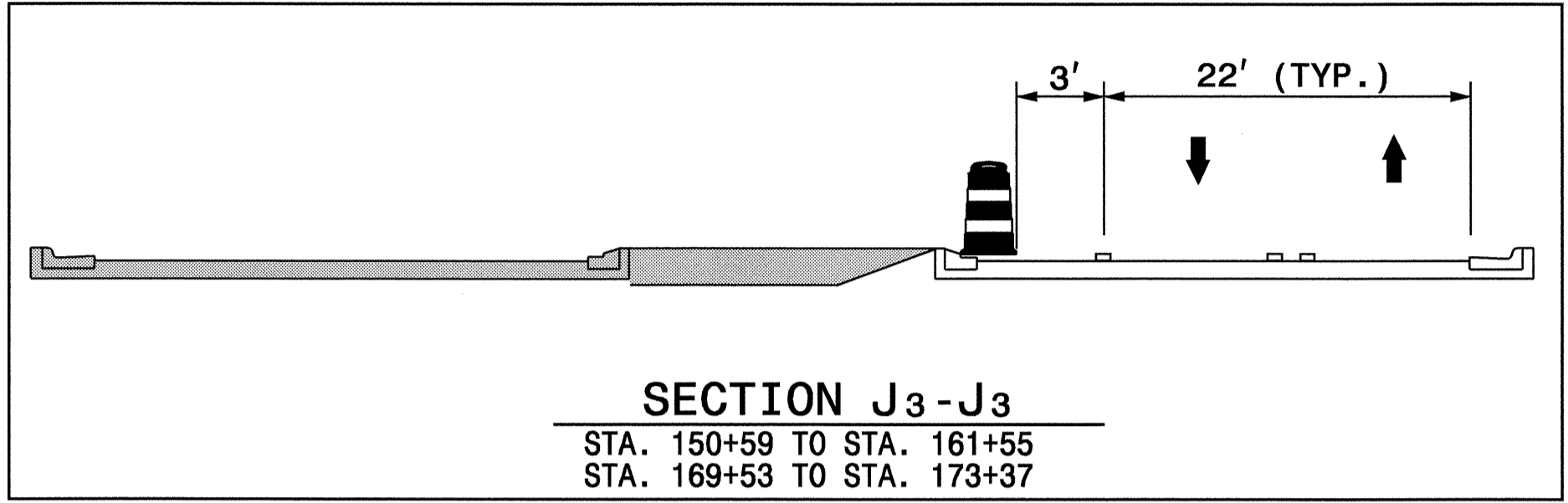
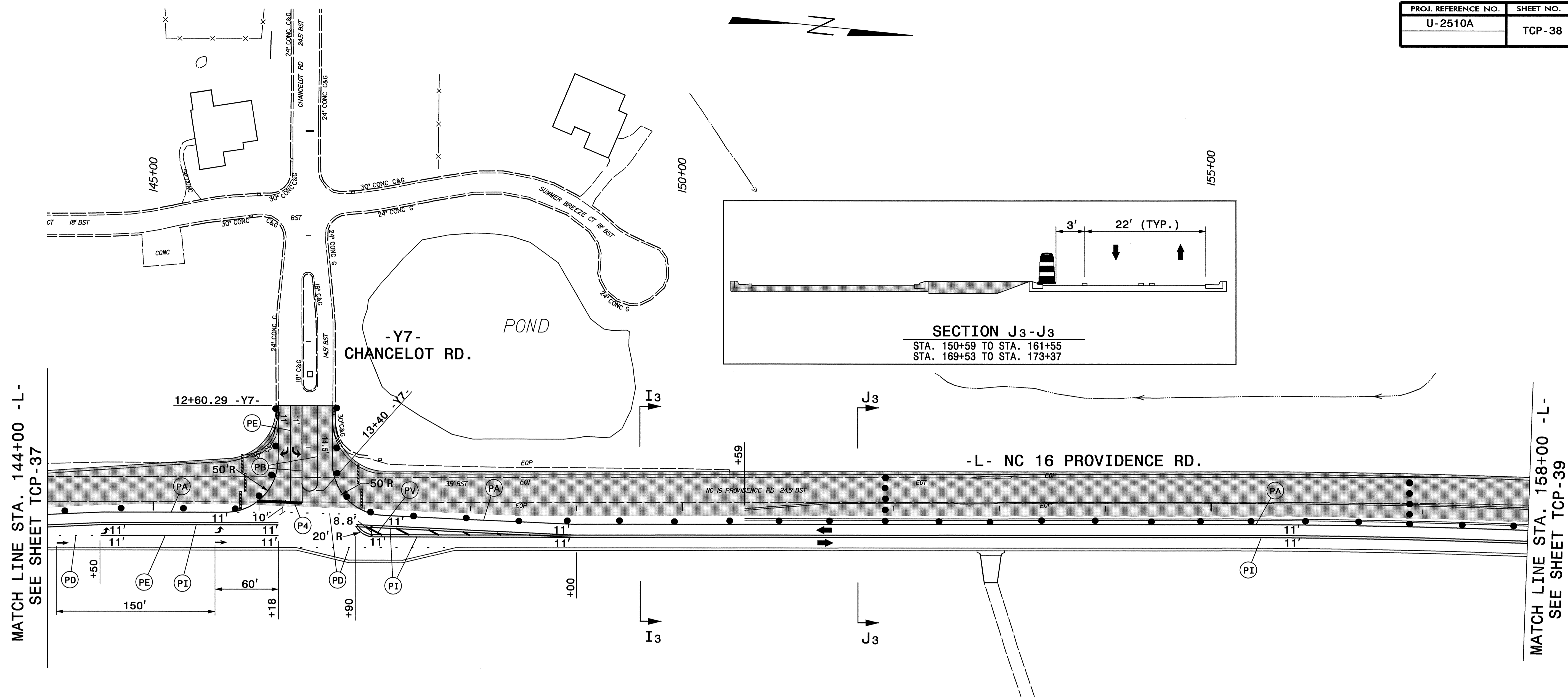
MATCH LINE STA. 144+00 -L-
SEE SHEET TCP-38

TEMPORARY PAVEMENT MARKING LEGEND

(PA) PAINT - WHITE EDGELINE (4")	(QA) ↙ (PAINT - LEFT ARROW)
(PB) PAINT - YELLOW EDGELINE (4")	(QB) ↘ (PAINT - RIGHT ARROW)
(PC) PAINT - 10 FT. WHITE SKIP (4")	(QC) → (PAINT - STRAIGHT ARROW)
(PD) PAINT - 2 FT. WHITE MINISKIP (4")	(QD) ↙↘ (PAINT - COMBO STRAIGHT LEFT ARROW)
(PE) PAINT - WHITE SOLID LANE LINE (4")	(QE) ↘↙ (PAINT - COMBO STRAIGHT RIGHT ARROW)
(PI) PAINT - YELLOW DOUBLE CENTER (4")	(QI) ONLY (PAINT - ALPHANEUMERIC CHARACTER)
(PV) PAINT - YELLOW DIAGONAL (8")	(QJ) 🚲 (PAINT - BICYCLE SYMBOL)
(PX) PAINT - WHITE CROSSWALK (8")	(QK) ↑ (PAINT - BICYCLE ARROW)
(P4) PAINT - WHITE STOPBAR (24")	
(RI) COLD APPLIED PLASTIC TYPE 4 (REM. TAPE) DOUBLE YELLOW CENTERLINE (4")	
(RA) COLD APPLIED PLASTIC TYPE 4 (REM. TAPE) WHITE EDGELINE (4")	

APPROVED: _____ DATE: 8/07	PHASE III DETAILS	
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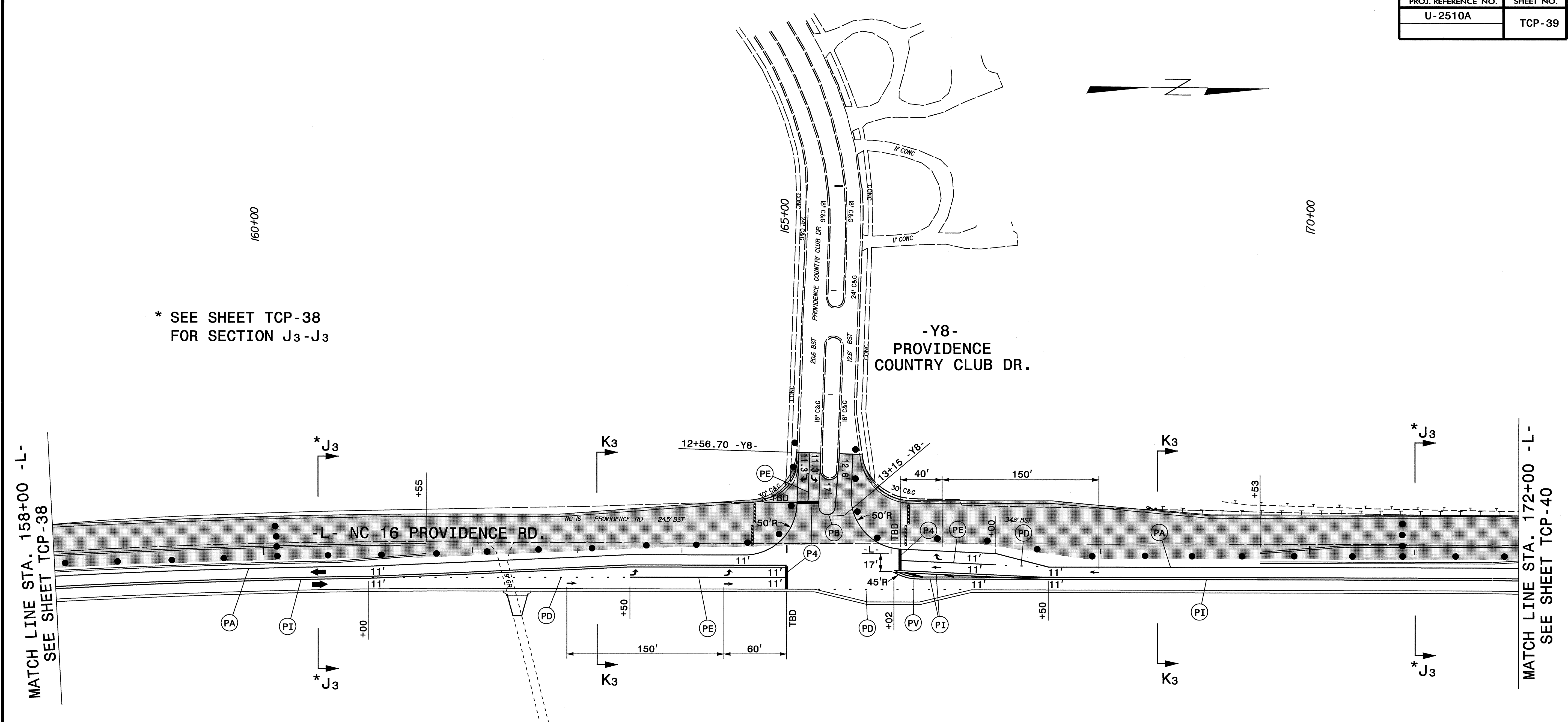
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TEMPORARY PAVEMENT MARKING LEGEND	
(PA) PAINT - WHITE EDGELINE (4")	(QA) (PAINT - LEFT ARROW)
(PB) PAINT - YELLOW EDGELINE (4")	(QB) (PAINT - RIGHT ARROW)
(PC) PAINT - 10 FT. WHITE SKIP (4")	(QC) (PAINT - STRAIGHT ARROW)
(PD) PAINT - 2 FT. WHITE MINISKIP (4")	(QD) (PAINT - COMBO STRAIGHT LEFT ARROW)
(PE) PAINT - WHITE SOLID LANE LINE (4")	(QE) (PAINT - COMBO STRAIGHT RIGHT ARROW)
(PI) PAINT - YELLOW DOUBLE CENTER (4")	(QI) ONLY (PAINT - ALPHANEUMERIC CHARACTER)
(PV) PAINT - YELLOW DIAGONAL (8")	(QJ) (PAINT - BICYCLE SYMBOL)
(PX) PAINT - WHITE CROSSWALK (8")	(QK) (PAINT - BICYCLE ARROW)
(P4) PAINT - WHITE STOPBAR (24")	
(RI) COLD APPLIED PLASTIC TYPE 4 (REM. TAPE) DOUBLE YELLOW CENTERLINE (4")	
(RA) COLD APPLIED PLASTIC TYPE 4 (REM. TAPE) WHITE EDGELINE (4")	

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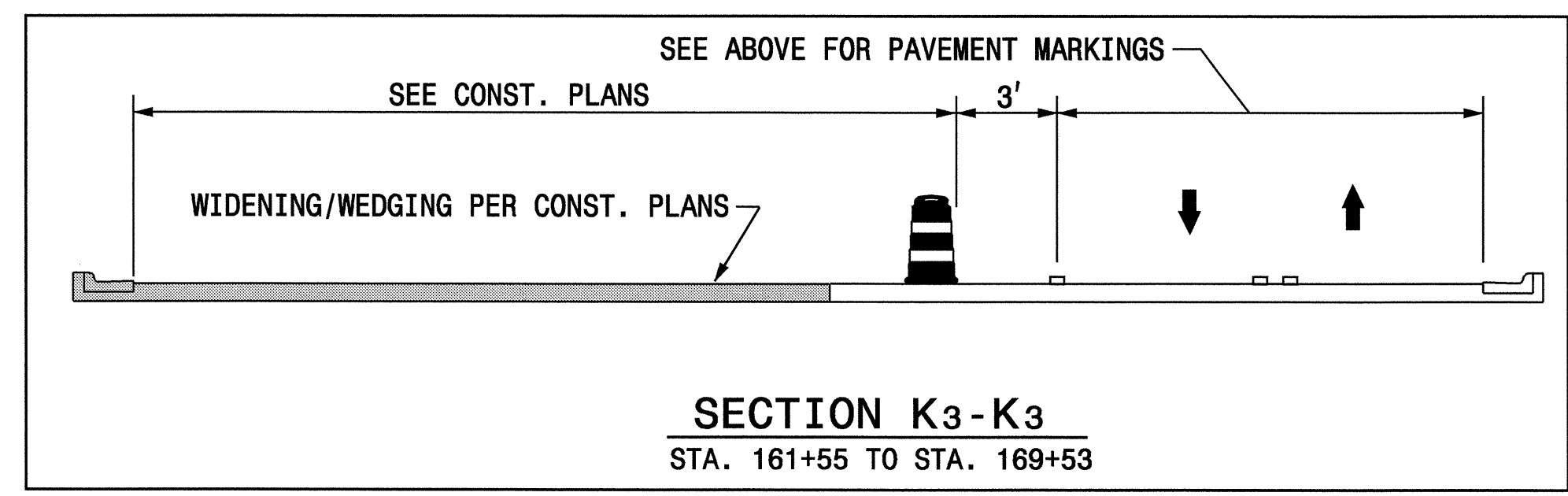


* SEE SHEET TCP-38
FOR SECTION J3-J3

MATCH LINE STA. 158+00 -L-
SEE SHEET TCP-38

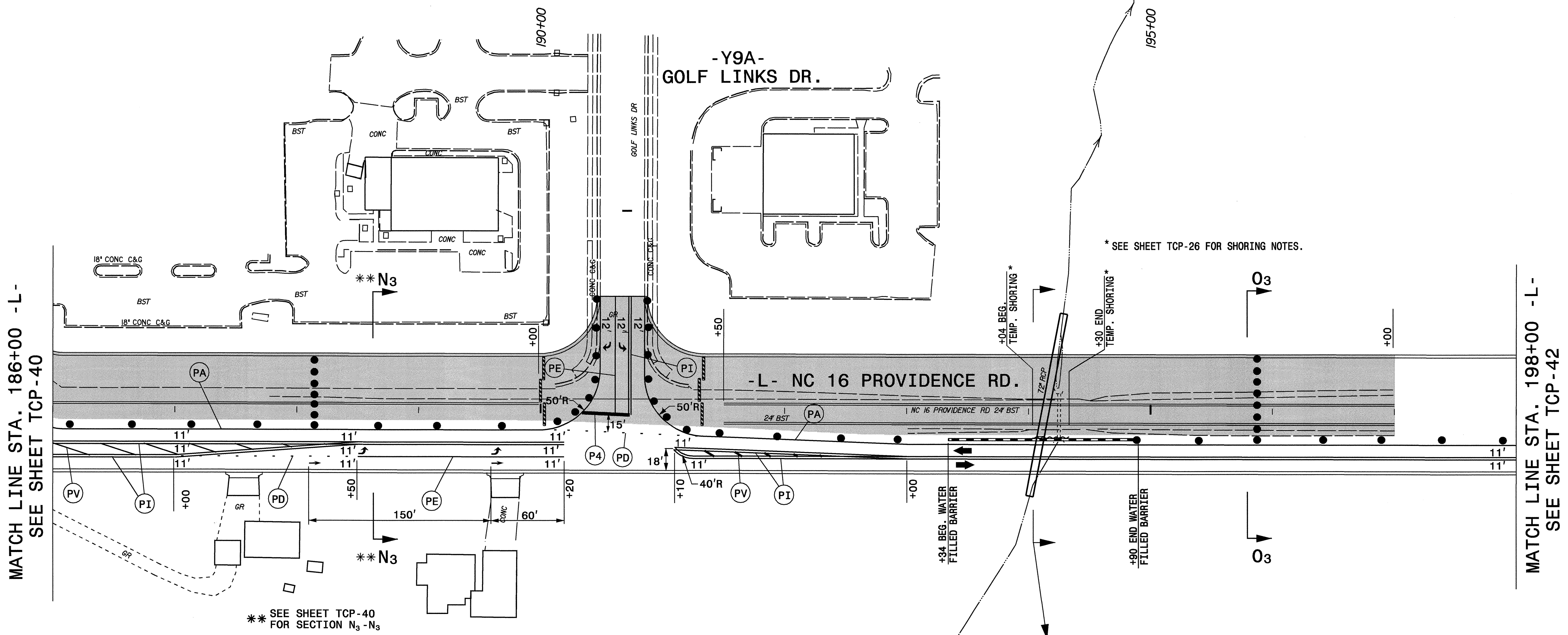
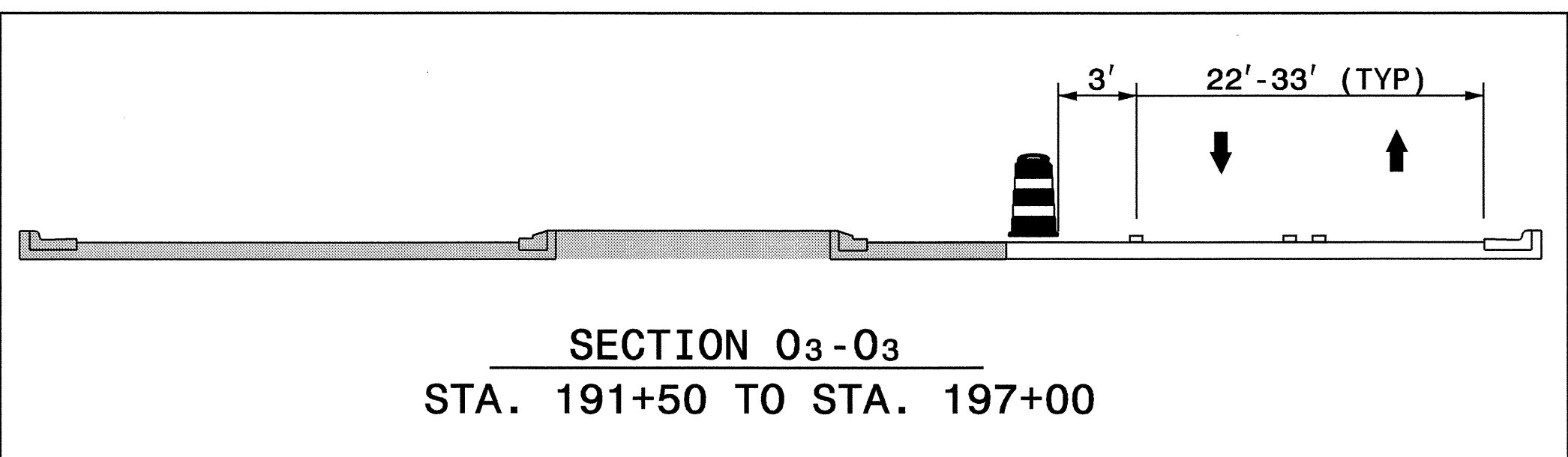
MATCH LINE STA. 172+00 -L-
SEE SHEET TCP-40

TEMPORARY PAVEMENT MARKING LEGEND	
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(PB) PAINT - YELLOW EDGELINE (4")	(QB) (PAINT - RIGHT ARROW)
(PC) PAINT - 10 FT. WHITE SKIP (4")	(QC) (PAINT - STRAIGHT ARROW)
(PD) PAINT - 2 FT. WHITE MINISKIP (4")	(QD) (PAINT - COMBO STRAIGHT LEFT ARROW)
(PE) PAINT - WHITE SOLID LANE LINE (4")	(QE) (PAINT - COMBO STRAIGHT RIGHT ARROW)
(PI) PAINT - YELLOW DOUBLE CENTER (4")	(QI) ONLY (PAINT - ALPHANEUMERIC CHARACTER)
(PV) PAINT - YELLOW DIAGONAL (8")	(QJ) (PAINT - BICYCLE SYMBOL)
(PX) PAINT - WHITE CROSSWALK (8")	(QK) (PAINT - BICYCLE ARROW)
(P4) PAINT - WHITE STOPBAR (24")	
(RI) COLD APPLIED PLASTIC TYPE 4 (REM. TAPE) DOUBLE YELLOW CENTERLINE (4")	
(RA) COLD APPLIED PLASTIC TYPE 4 (REM. TAPE) WHITE EDGELINE (4")	



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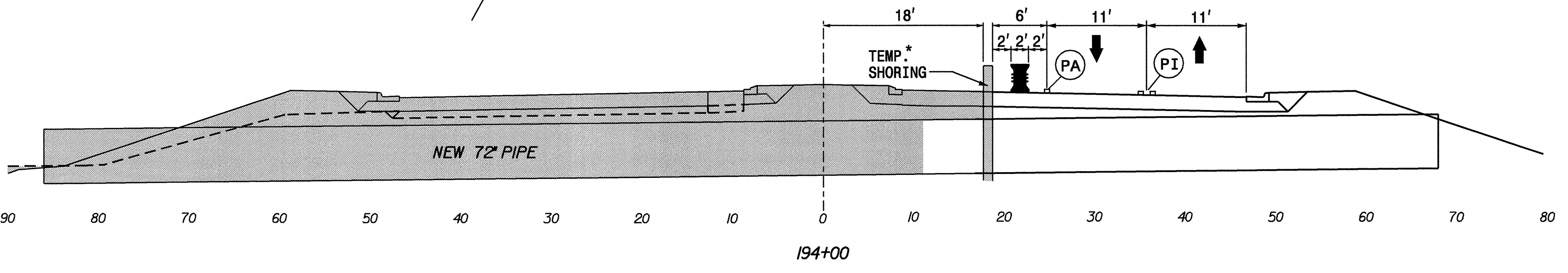
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		CADD FILE					



** SEE SHEET TCP-40 FOR SECTION N3-N3

* SEE SHEET TCP-26 FOR SHORING NOTES.

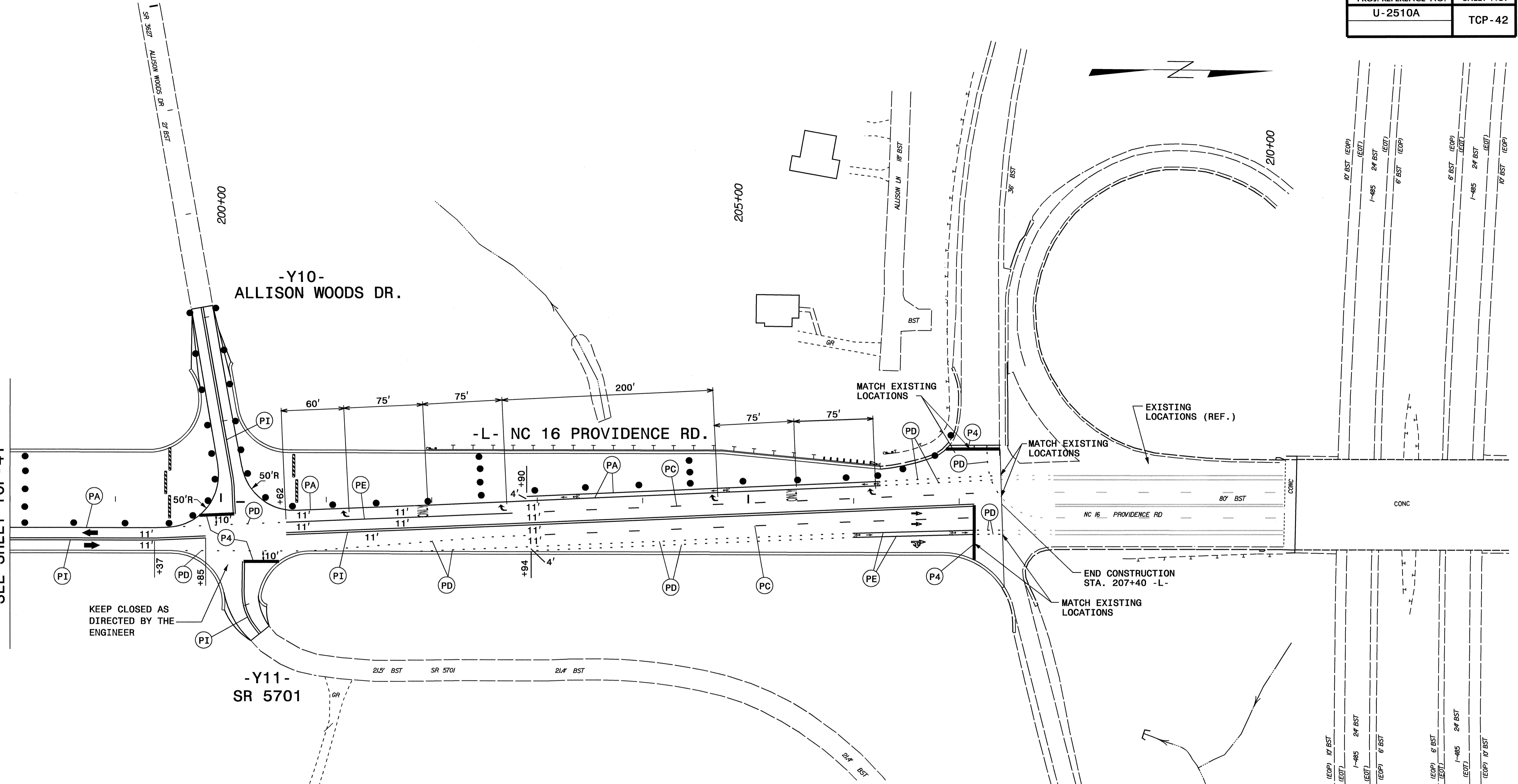
TEMPORARY PAVEMENT MARKING LEGEND	
(PA) PAINT - WHITE EDGELINE (4")	(QA) ↶ (PAINT - LEFT ARROW)
(PB) PAINT - YELLOW EDGELINE (4")	(QB) ↷ (PAINT - RIGHT ARROW)
(PC) PAINT - 10 FT. WHITE SKIP (4")	(QC) → (PAINT - STRAIGHT ARROW)
(PD) PAINT - 2 FT. WHITE MINISKIP (4")	(QD) ↶→ (PAINT - COMBO STRAIGHT LEFT ARROW)
(PE) PAINT - WHITE SOLID LANE LINE (4")	(QE) ↷→ (PAINT - COMBO STRAIGHT RIGHT ARROW)
(PI) PAINT - YELLOW DOUBLE CENTER (4")	(QI) ONLY (PAINT - ALPHANEUMERIC CHARACTER)
(PV) PAINT - YELLOW DIAGONAL (8")	(QJ) 🚲 (PAINT - BICYCLE SYMBOL)
(PX) PAINT - WHITE CROSSWALK (8")	(QK) ↑ (PAINT - BICYCLE ARROW)
(P4) PAINT - WHITE STOPBAR (24")	
(RI) COLD APPLIED PLASTIC TYPE 4 (REM. TAPE) DOUBLE YELLOW CENTERLINE (4")	
(RA) COLD APPLIED PLASTIC TYPE 4 (REM. TAPE) WHITE EDGELINE (4")	



APPROVED: _____ DATE: 8/07	PHASE III DETAILS	
SCALE: NONE		REVISIONS
DATE: 8/07		
DWG. BY: KPB DESIGN BY: KPB REVIEWED BY: JWG		

24-AUG-2007 07:18
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MATCH LINE STA. 198+00 -L-
SEE SHEET TCP-41



TEMPORARY PAVEMENT MARKING LEGEND

(PA) PAINT - WHITE EDGELINE (4")	(QA) ↵ (PAINT - LEFT ARROW)
(PB) PAINT - YELLOW EDGELINE (4")	(QB) ↶ (PAINT - RIGHT ARROW)
(PC) PAINT - 10 FT. WHITE SKIP (4")	(QC) → (PAINT - STRAIGHT ARROW)
(PD) PAINT - 2 FT. WHITE MINISKIP (4")	(QD) ↵↶ (PAINT - COMBO STRAIGHT LEFT ARROW)
(PE) PAINT - WHITE SOLID LANE LINE (4")	(QE) ↶↵ (PAINT - COMBO STRAIGHT RIGHT ARROW)
(PI) PAINT - YELLOW DOUBLE CENTER (4")	(QI) ONLY (PAINT - ALPHANEUMERIC CHARACTER)
(PV) PAINT - YELLOW DIAGONAL (8")	(QJ) ⚓ (PAINT - BICYCLE SYMBOL)
(PX) PAINT - WHITE CROSSWALK (8")	(QK) ↑ (PAINT - BICYCLE ARROW)
(P4) PAINT - WHITE STOPBAR (24")	
(RI) COLD APPLIED PLASTIC TYPE 4 (REM. TAPE) DOUBLE YELLOW CENTERLINE (4")	
(RA) COLD APPLIED PLASTIC TYPE 4 (REM. TAPE) WHITE EDGELINE (4")	

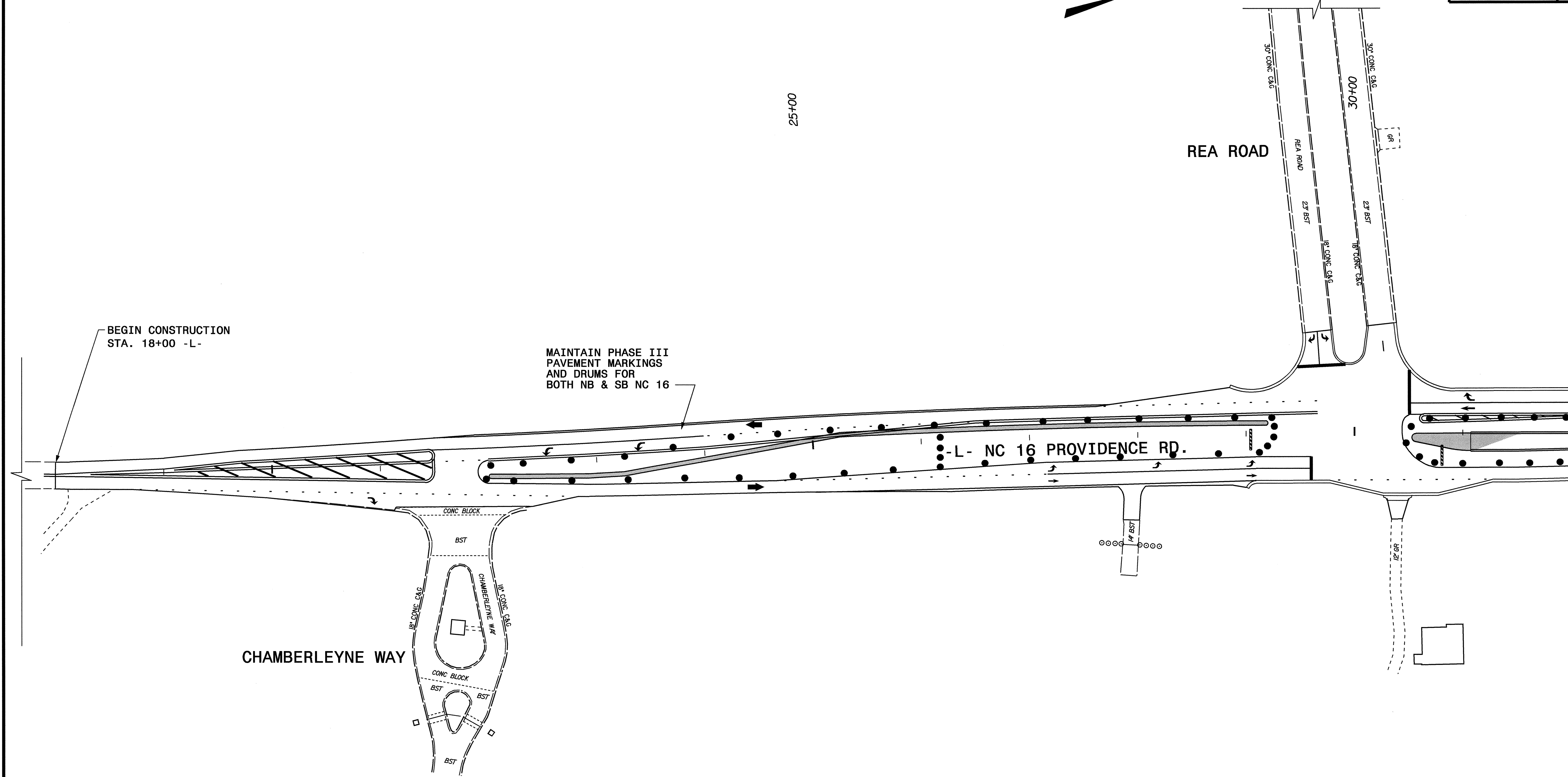
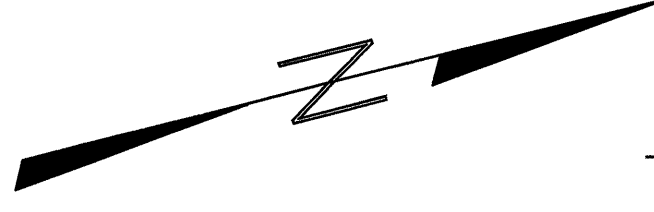
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SEAL

PHASE III DETAILS

SCALE: NONE		REVISIONS
DATE: 8/07		
DWG. BY: KPB		
DESIGN BY: KPB		
REVIEWED BY: JWG		

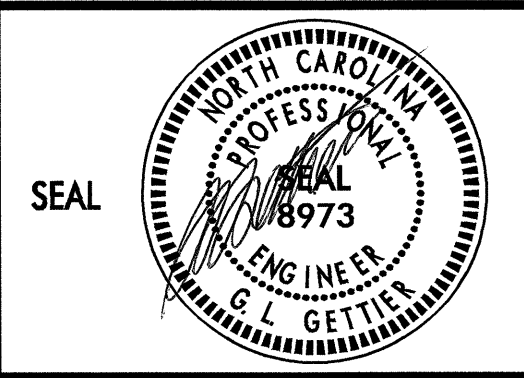
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MATCH LINE STA. 32+00 -L-
SEE SHEET TCP-44

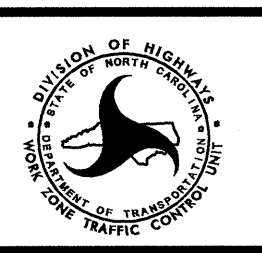
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APPROVED: _____ DATE: 24 Aug 07



PHASE IV DETAILS

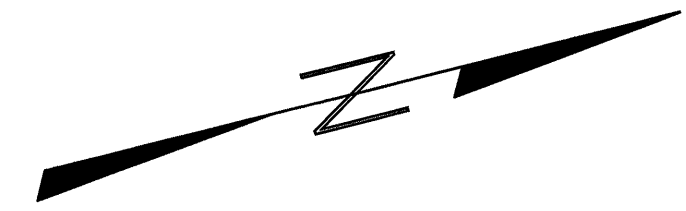
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DATE: 8/07
DWG. BY: KPB
DESIGN BY: KPB
REVIEWED BY: JWG



REVISIONS	

CADD FILE

PROJ. REFERENCE NO.	SHEET NO.
U-2510A	TCP-44



35+00

40+00

45+00

MAINTAIN PHASE III
PAVEMENT MARKINGS
AND DRUMS FOR BOTH
NB & SB NC 16

MATCH LINE STA. 32+00 -L-
SEE SHEET TCP-43

-L- NC 16 PROVIDENCE RD.

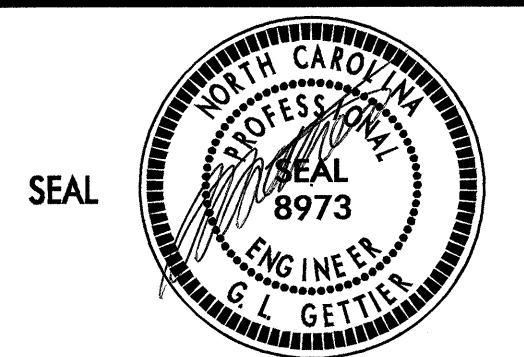
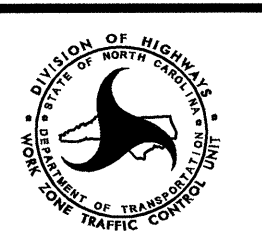
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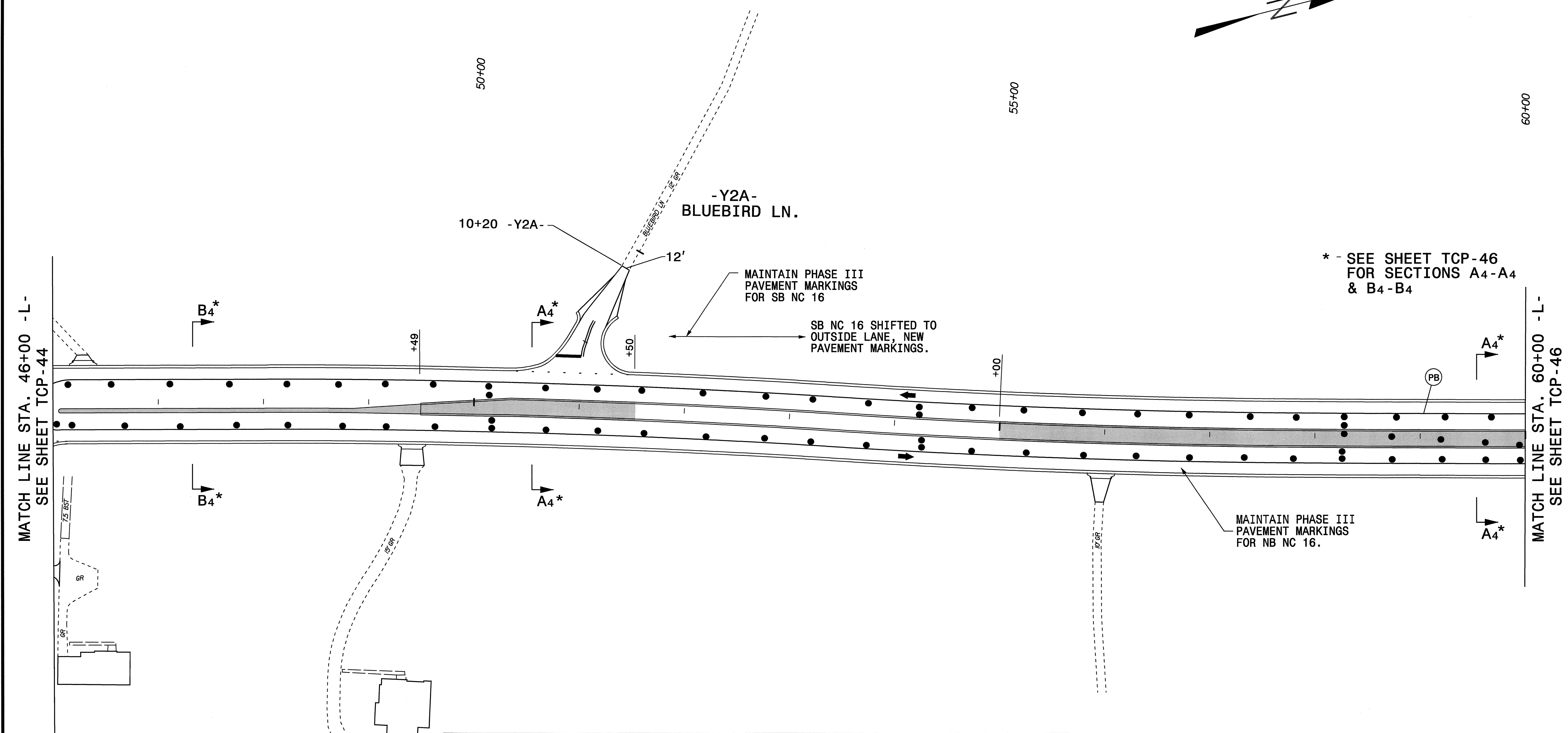
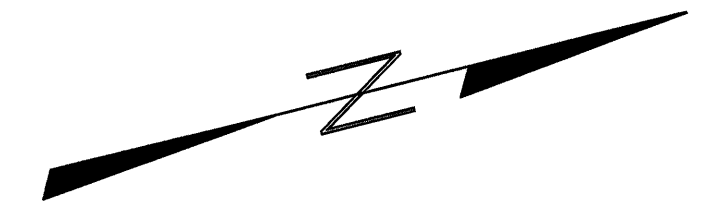
-Y2-
OLD MILL RD.

12+35 -Y2-

MATCH LINE STA. 46+00 -L-
SEE SHEET TCP-45

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APPROVED: _____ DATE: 8/07	PHASE IV DETAILS	
		
SCALE: NONE		REVISIONS
DATE: 8/07		
DWG. BY: KPB		
DESIGN BY: KPB		
REVIEWED BY: JWG		CADD FILE



* - SEE SHEET TCP-46 FOR SECTIONS A4-A4 & B4-B4

MATCH LINE STA. 46+00 -L-
SEE SHEET TCP-44

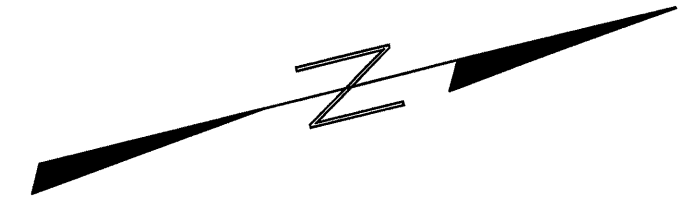
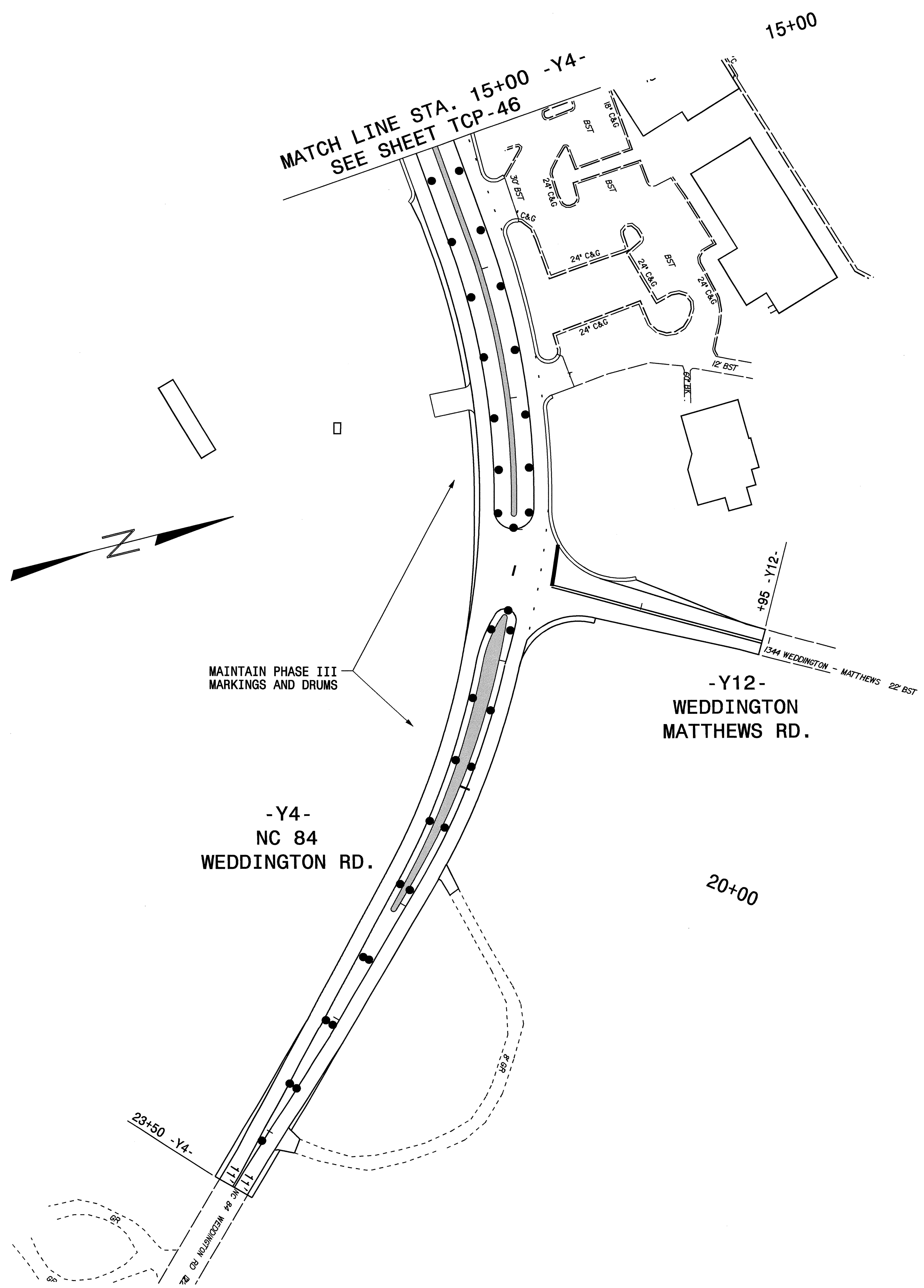
MATCH LINE STA. 60+00 -L-
SEE SHEET TCP-46

TEMPORARY PAVEMENT MARKING LEGEND

(PA) PAINT - WHITE EDGELINE (4")	(QA) ↶ (PAINT - LEFT ARROW)
(PB) PAINT - YELLOW EDGELINE (4")	(QB) ↷ (PAINT - RIGHT ARROW)
(PC) PAINT - 10 FT. WHITE SKIP (4")	(QC) → (PAINT - STRAIGHT ARROW)
(PD) PAINT - 2 FT. WHITE MINISKIP (4")	(QD) ↶↷ (PAINT - COMBO STRAIGHT LEFT ARROW)
(PE) PAINT - WHITE SOLID LANE LINE (4")	(QE) ↷↶ (PAINT - COMBO STRAIGHT RIGHT ARROW)
(PI) PAINT - YELLOW DOUBLE CENTER (4")	(QI) ONLY (PAINT - ALPHANEUMERIC CHARACTER)
(PV) PAINT - YELLOW DIAGONAL (8")	(QJ) 🚲 (PAINT - BICYCLE SYMBOL)
(PX) PAINT - WHITE CROSSWALK (8")	(QK) ↑ (PAINT - BICYCLE ARROW)
(P4) PAINT - WHITE STOPBAR (24")	
(RT) COLD APPLIED PLASTIC TYPE 4 (REM. TAPE) DOUBLE YELLOW CENTERLINE (4")	
(RA) COLD APPLIED PLASTIC TYPE 4 (REM. TAPE) WHITE EDGELINE (4")	

APPROVED: _____ DATE: 24 Aug 07	PHASE IV DETAILS	
SCALE: NONE		REVISIONS
DATE: 8/07		
DWG. BY: KPB		
DESIGN BY: KPB		
REVIEWED BY: JWG		CADD FILE

23-AUG-2007 11:31
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MAINTAIN PHASE III MARKINGS AND DRUMS

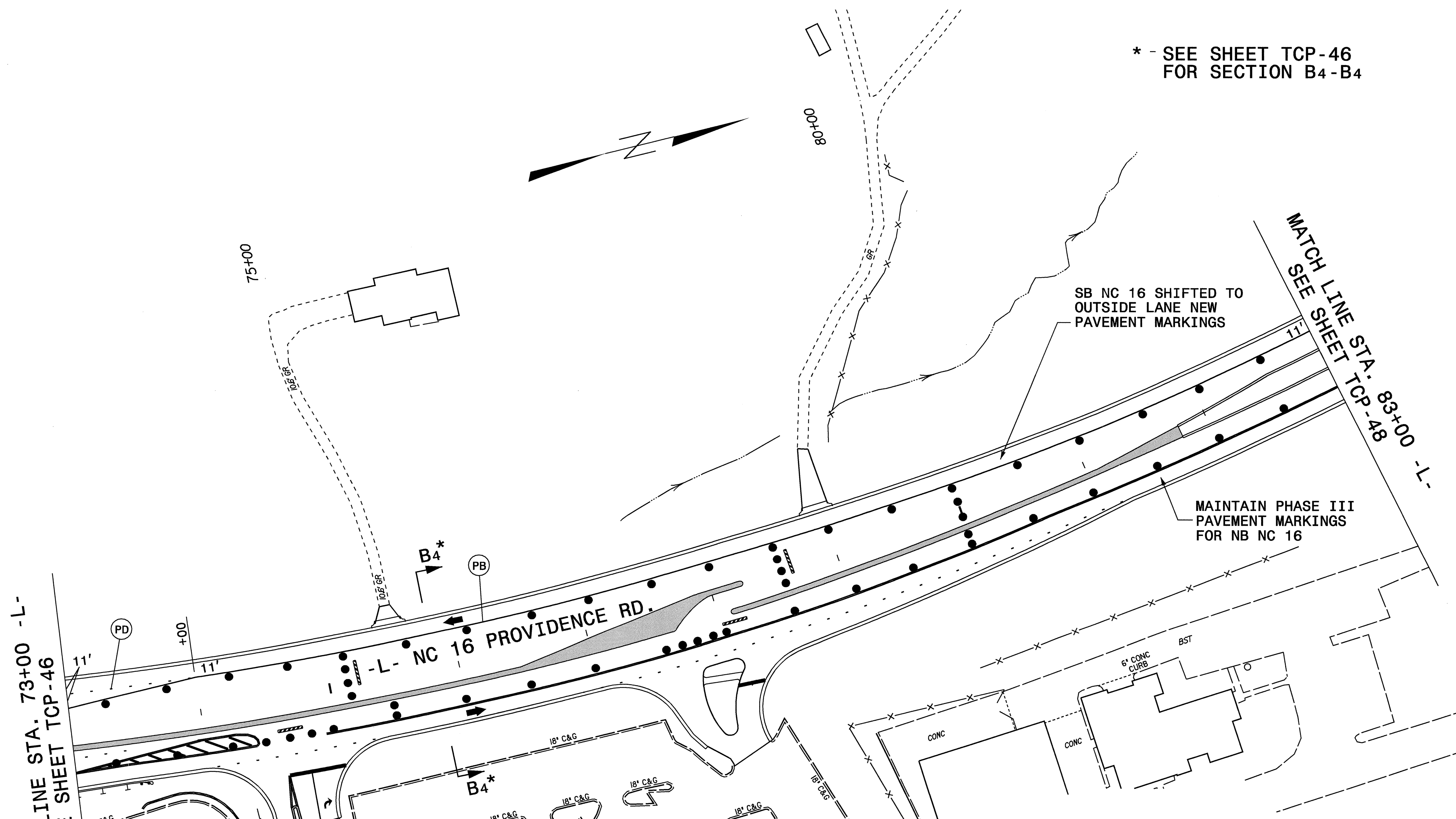
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NC 84
WEDDINGTON RD.

-Y12-
WEDDINGTON
MATTHEWS RD.

APPROVED: _____ DATE: <i>24 Aug 07</i>	PHASE IV DETAILS		
			SCALE: NONE
	DATE: 8/07	DWG. BY: KPB	
DESIGN BY: KPB	REVIEWED BY: <i>JWG</i>		

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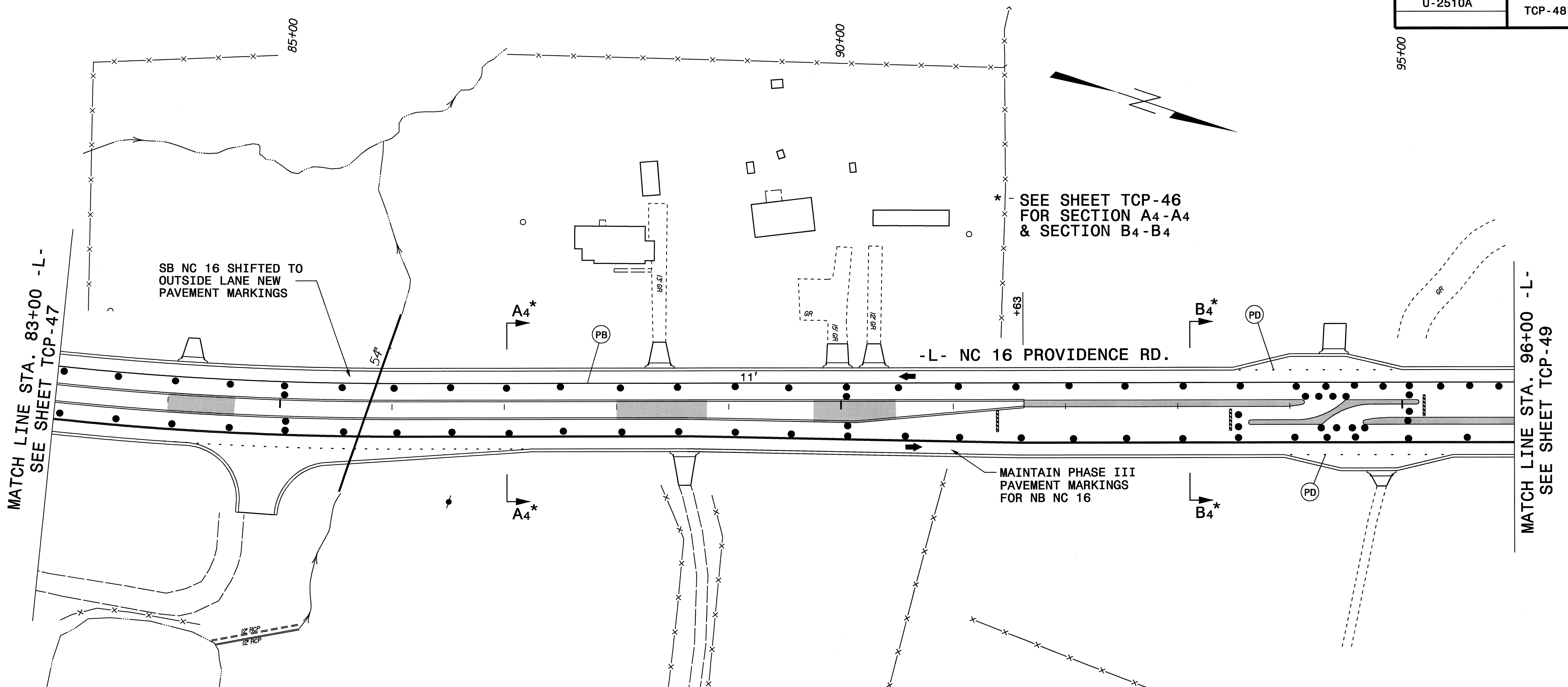
* - SEE SHEET TCP-46
FOR SECTION B4-B4



TEMPORARY PAVEMENT MARKING LEGEND	
(PA) PAINT - WHITE EDGELINE (4")	(QA) ↶ (PAINT - LEFT ARROW)
(PB) PAINT - YELLOW EDGELINE (4")	(QB) ↷ (PAINT - RIGHT ARROW)
(PC) PAINT - 10 FT. WHITE SKIP (4")	(QC) → (PAINT - STRAIGHT ARROW)
(PD) PAINT - 2 FT. WHITE MINISKIP (4")	(QD) ↶→ (PAINT - COMBO STRAIGHT LEFT ARROW)
(PE) PAINT - WHITE SOLID LANE LINE (4")	(QE) →↷ (PAINT - COMBO STRAIGHT RIGHT ARROW)
(PI) PAINT - YELLOW DOUBLE CENTER (4")	(QI) ONLY (PAINT - ALPHANEUMERIC CHARACTER)
(PV) PAINT - YELLOW DIAGONAL (8")	(QJ) 🚲 (PAINT - BICYCLE SYMBOL)
(PX) PAINT - WHITE CROSSWALK (8")	(QK) ↑ (PAINT - BICYCLE ARROW)
(P4) PAINT - WHITE STOPBAR (24")	
(RI) COLD APPLIED PLASTIC TYPE 4 (REM. TAPE) DOUBLE YELLOW CENTERLINE (4")	
(RA) COLD APPLIED PLASTIC TYPE 4 (REM. TAPE) WHITE EDGELINE (4")	

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APPROVED: _____ DATE: 8/07/07	PHASE IV DETAILS										
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REVIEWED BY: JWG		<table border="1"> <tr> <td>CADD FILE</td> <td> </td> </tr> </table>	CADD FILE								
CADD FILE											



* SEE SHEET TCP-46 FOR SECTION A4-A4 & SECTION B4-B4

MATCH LINE STA. 83+00 -L- SEE SHEET TCP-47

MATCH LINE STA. 96+00 -L- SEE SHEET TCP-49

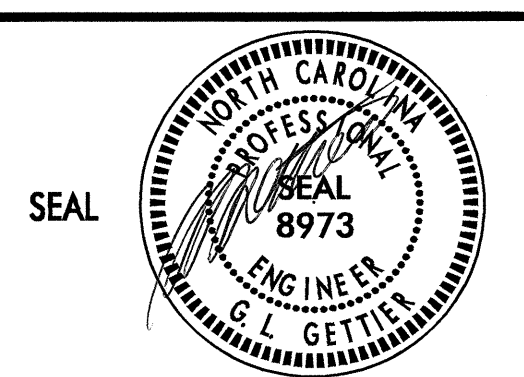
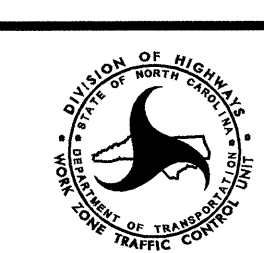
MAINTAIN PHASE III PAVEMENT MARKINGS FOR NB NC 16

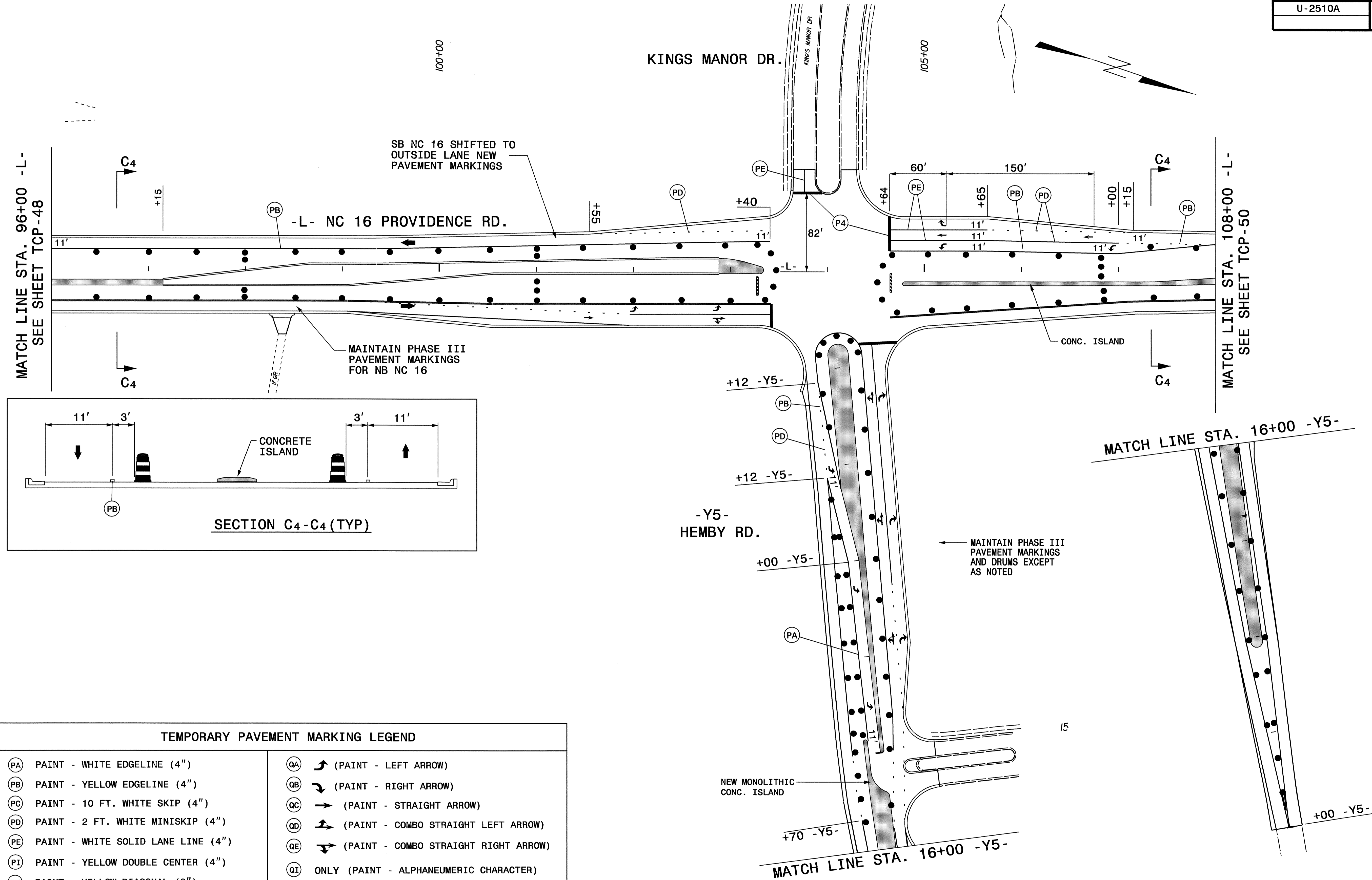
SB NC 16 SHIFTED TO OUTSIDE LANE NEW PAVEMENT MARKINGS

TEMPORARY PAVEMENT MARKING LEGEND

(PA) PAINT - WHITE EDGELINE (4")	(QA) (PAINT - LEFT ARROW)
(PB) PAINT - YELLOW EDGELINE (4")	(QB) (PAINT - RIGHT ARROW)
(PC) PAINT - 10 FT. WHITE SKIP (4")	(QC) (PAINT - STRAIGHT ARROW)
(PD) PAINT - 2 FT. WHITE MINISKIP (4")	(QD) (PAINT - COMBO STRAIGHT LEFT ARROW)
(PE) PAINT - WHITE SOLID LANE LINE (4")	(QE) (PAINT - COMBO STRAIGHT RIGHT ARROW)
(PI) PAINT - YELLOW DOUBLE CENTER (4")	(QI) ONLY (PAINT - ALPHANEUMERIC CHARACTER)
(PV) PAINT - YELLOW DIAGONAL (8")	(QJ) (PAINT - BICYCLE SYMBOL)
(PX) PAINT - WHITE CROSSWALK (8")	(QK) (PAINT - BICYCLE ARROW)
(P4) PAINT - WHITE STOPBAR (24")	
(RI) COLD APPLIED PLASTIC TYPE 4 (REM. TAPE) DOUBLE YELLOW CENTERLINE (4")	
(RA) COLD APPLIED PLASTIC TYPE 4 (REM. TAPE) WHITE EDGELINE (4")	

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 RDR\odwell AT MZTC224240

APPROVED: _____ DATE: <u>8/07</u>	PHASE IV DETAILS	
		
SCALE: NONE		REVISIONS
DATE: 8/07		
DWG. BY: KPB DESIGN BY: KPB REVIEWED BY: JWQ		CADD FILE

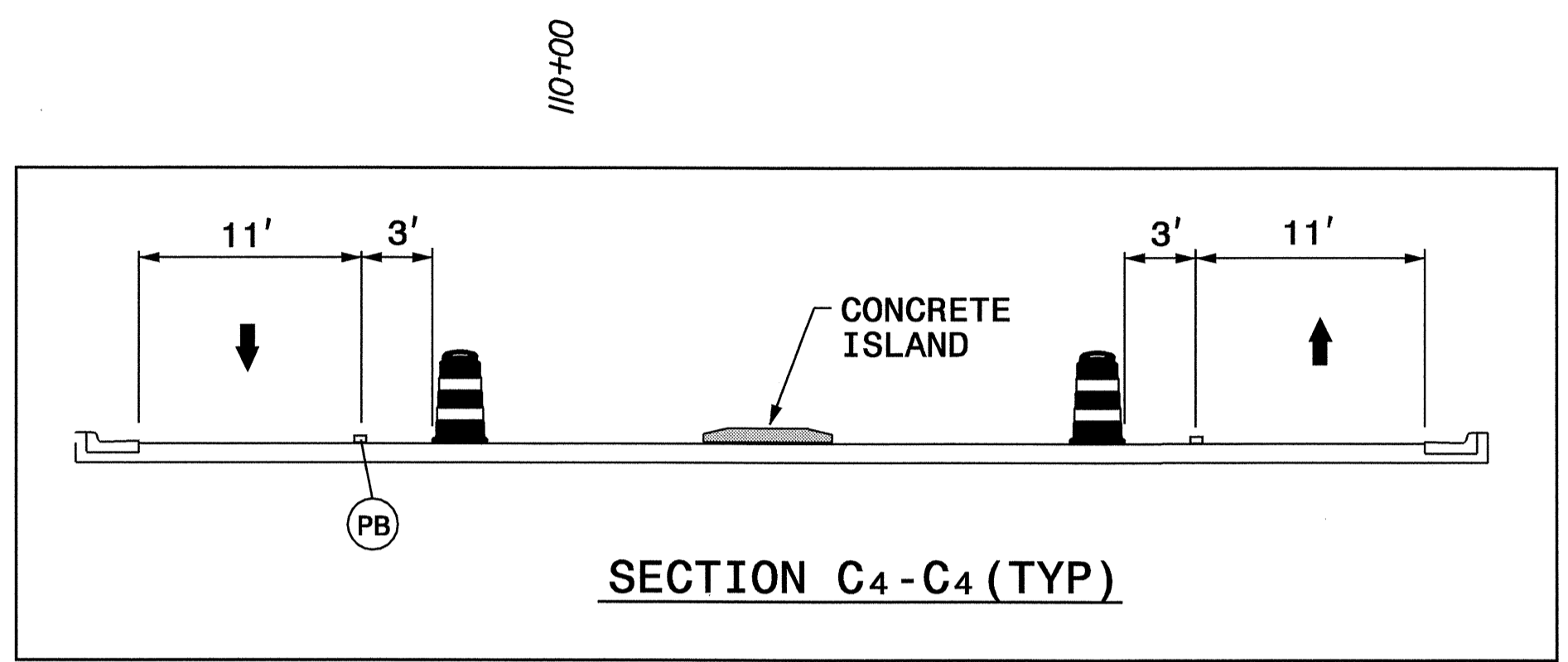
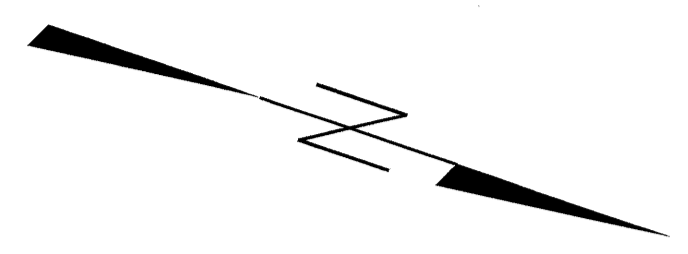


TEMPORARY PAVEMENT MARKING LEGEND

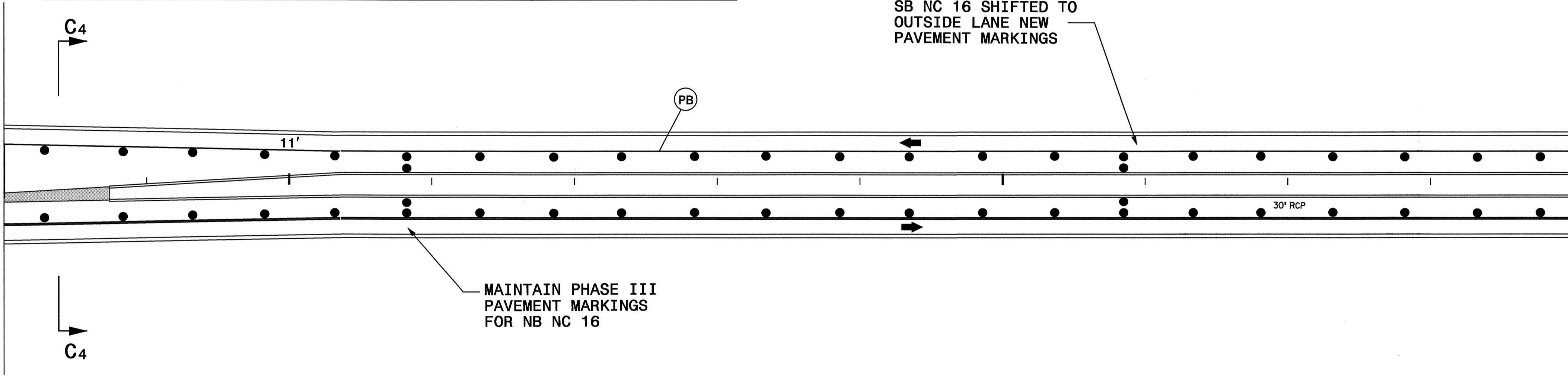
(PA) PAINT - WHITE EDGELINE (4")	(QA) ↶ (PAINT - LEFT ARROW)
(PB) PAINT - YELLOW EDGELINE (4")	(QB) ↷ (PAINT - RIGHT ARROW)
(PC) PAINT - 10 FT. WHITE SKIP (4")	(QC) → (PAINT - STRAIGHT ARROW)
(PD) PAINT - 2 FT. WHITE MINISKIP (4")	(QD) ↶↷ (PAINT - COMBO STRAIGHT LEFT ARROW)
(PE) PAINT - WHITE SOLID LANE LINE (4")	(QE) ↷↶ (PAINT - COMBO STRAIGHT RIGHT ARROW)
(PI) PAINT - YELLOW DOUBLE CENTER (4")	(QI) ONLY (PAINT - ALPHANEUMERIC CHARACTER)
(PV) PAINT - YELLOW DIAGONAL (8")	(QJ) 🚲 (PAINT - BICYCLE SYMBOL)
(PX) PAINT - WHITE CROSSWALK (8")	(QK) ⬆ (PAINT - BICYCLE ARROW)
(P4) PAINT - WHITE STOPBAR (24")	
(RI) COLD APPLIED PLASTIC TYPE 4 (REM. TAPE) DOUBLE YELLOW CENTERLINE (4")	
(RA) COLD APPLIED PLASTIC TYPE 4 (REM. TAPE) WHITE EDGELINE (4")	

APPROVED: _____ DATE: 8/07	<p>PHASE IV DETAILS</p> <p>SCALE: NONE</p> <p>DATE: 8/07</p> <p>DWG. BY: KPB</p> <p>DESIGN BY: KPB</p> <p>REVIEWED BY: JWG</p>					
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MATCH LINE STA. 108+00 -L-
SEE SHEET TCP-49



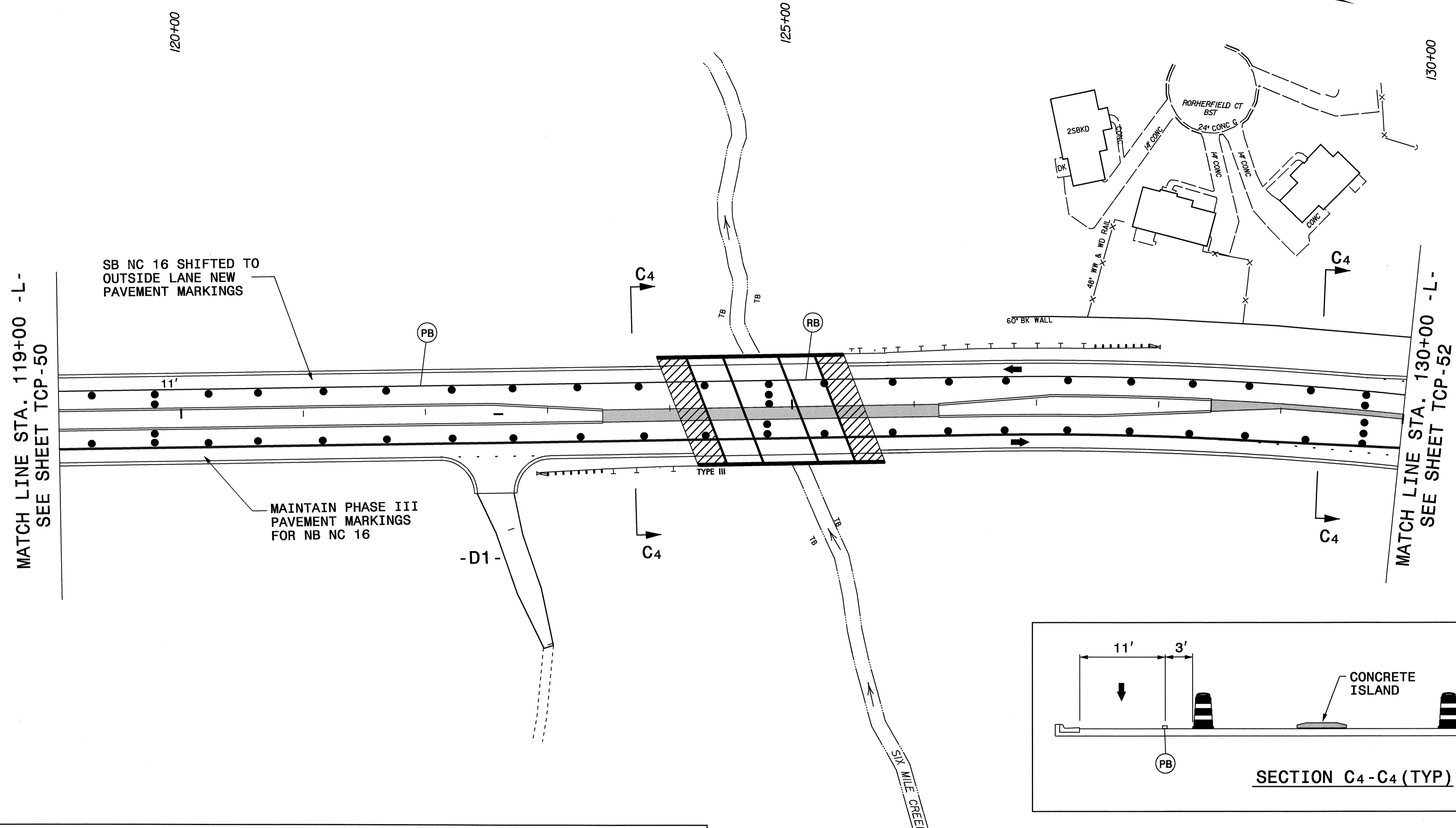
MATCH LINE STA. 119+00 -L-
SEE SHEET TCP-51

TEMPORARY PAVEMENT MARKING LEGEND

(PA) PAINT - WHITE EDGELINE (4")	(QA) ↗ (PAINT - LEFT ARROW)
(PB) PAINT - YELLOW EDGELINE (4")	(QB) ↘ (PAINT - RIGHT ARROW)
(PC) PAINT - 10 FT. WHITE SKIP (4")	(QC) → (PAINT - STRAIGHT ARROW)
(PD) PAINT - 2 FT. WHITE MINISKIP (4")	(QD) ↗↘ (PAINT - COMBO STRAIGHT LEFT ARROW)
(PE) PAINT - WHITE SOLID LANE LINE (4")	(QE) ↘↗ (PAINT - COMBO STRAIGHT RIGHT ARROW)
(PI) PAINT - YELLOW DOUBLE CENTER (4")	(QI) ONLY (PAINT - ALPHANEUMERIC CHARACTER)
(PV) PAINT - YELLOW DIAGONAL (8")	(QJ) 🚲 (PAINT - BICYCLE SYMBOL)
(PX) PAINT - WHITE CROSSWALK (8")	(QK) ⬆ (PAINT - BICYCLE ARROW)
(P4) PAINT - WHITE STOPBAR (24")	
(RI) COLD APPLIED PLASTIC TYPE 4 (REM. TAPE) DOUBLE YELLOW CENTERLINE (4")	
(RA) COLD APPLIED PLASTIC TYPE 4 (REM. TAPE) WHITE EDGELINE (4")	

APPROVED: _____ DATE: <i>8/07</i>	PHASE IV DETAILS										
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TEMPORARY PAVEMENT MARKING LEGEND

PA PAINTE - WHITE EDGELINE (4")	QA (PAINT - LEFT ARROW)
PB PAINTE - YELLOW EDGELINE (4")	QB (PAINT - RIGHT ARROW)
PC PAINTE - 10 FT. WHITE SKIP (4")	QC (PAINT - STRAIGHT ARROW)
PD PAINTE - 2 FT. WHITE MINISKIP (4")	QD (PAINT - COMBO STRAIGHT LEFT ARROW)
PE PAINTE - WHITE SOLID LANE LINE (4")	QE (PAINT - COMBO STRAIGHT RIGHT ARROW)
PI PAINTE - YELLOW DOUBLE CENTER (4")	QI ONLY (PAINT - ALPHANEUMERIC CHARACTER)
PV PAINTE - YELLOW DIAGONAL (8")	QJ (PAINT - BICYCLE SYMBOL)
PX PAINTE - WHITE CROSSWALK (8")	QK (PAINT - BICYCLE ARROW)
P4 PAINTE - WHITE STOPBAR (24")	
RI COLD APPLIED PLASTIC TYPE 4 (REM. TAPE) DOUBLE YELLOW CENTERLINE (4")	
RA COLD APPLIED PLASTIC TYPE 4 (REM. TAPE) WHITE EDGELINE (4")	

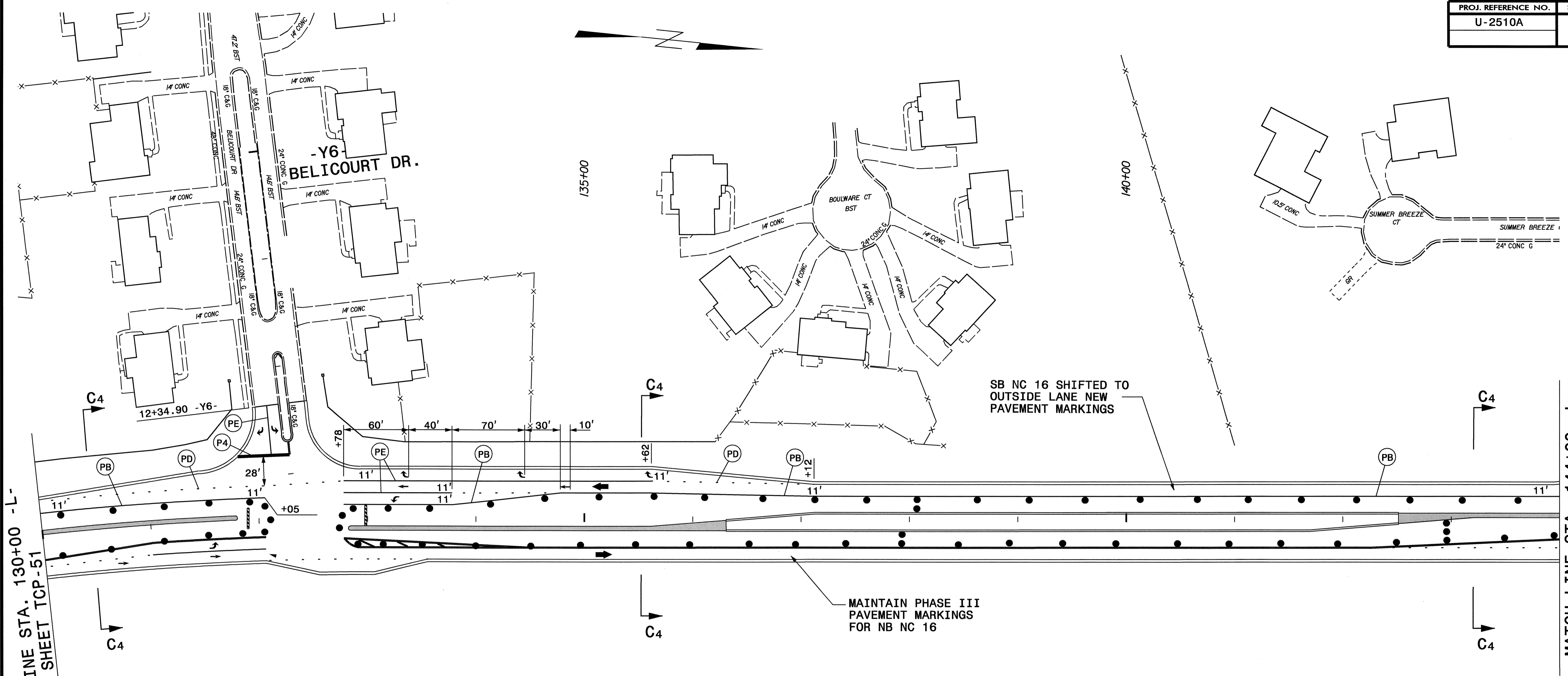
APPROVED: _____ DATE: 8/07

SEAL

PHASE IV DETAILS

SCALE:	NONE	REVISIONS	
DATE:	8/07		
DWG. BY:	KPB		
DESIGN BY:	KPB		
REVIEWED BY:	JWG		

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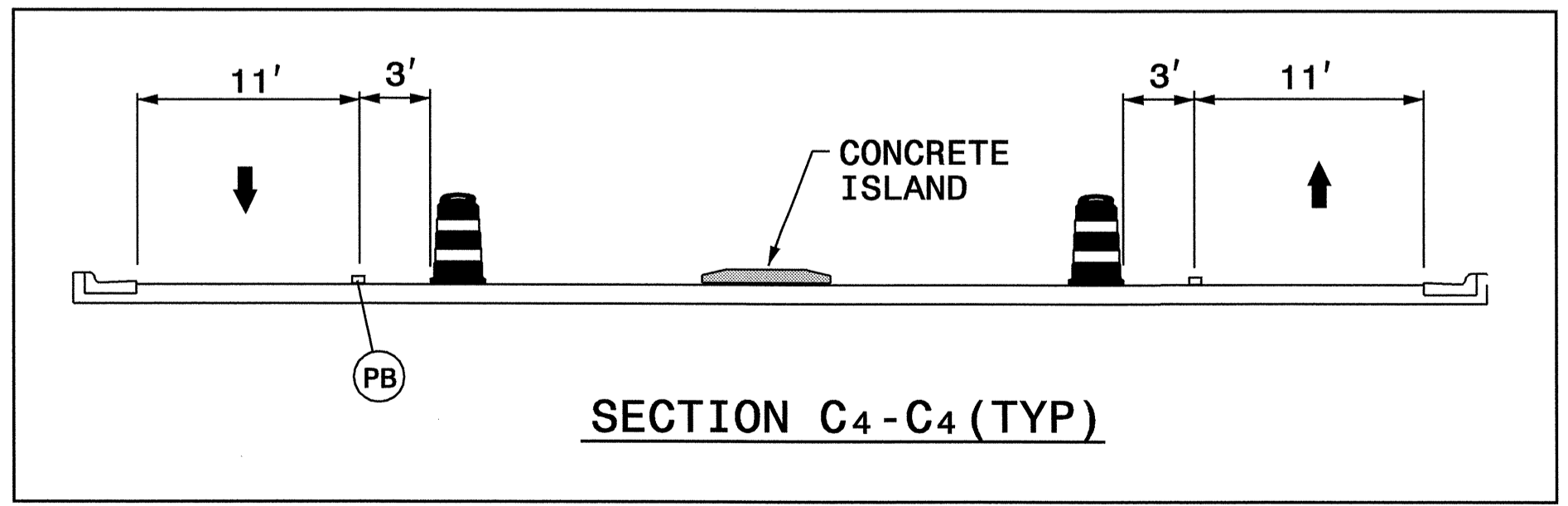


MATCH LINE STA. 130+00 -L-
SEE SHEET TCP-51

MATCH LINE STA. 144+00 -L-
SEE SHEET TCP-53

MAINTAIN PHASE III
PAVEMENT MARKINGS
FOR NB NC 16

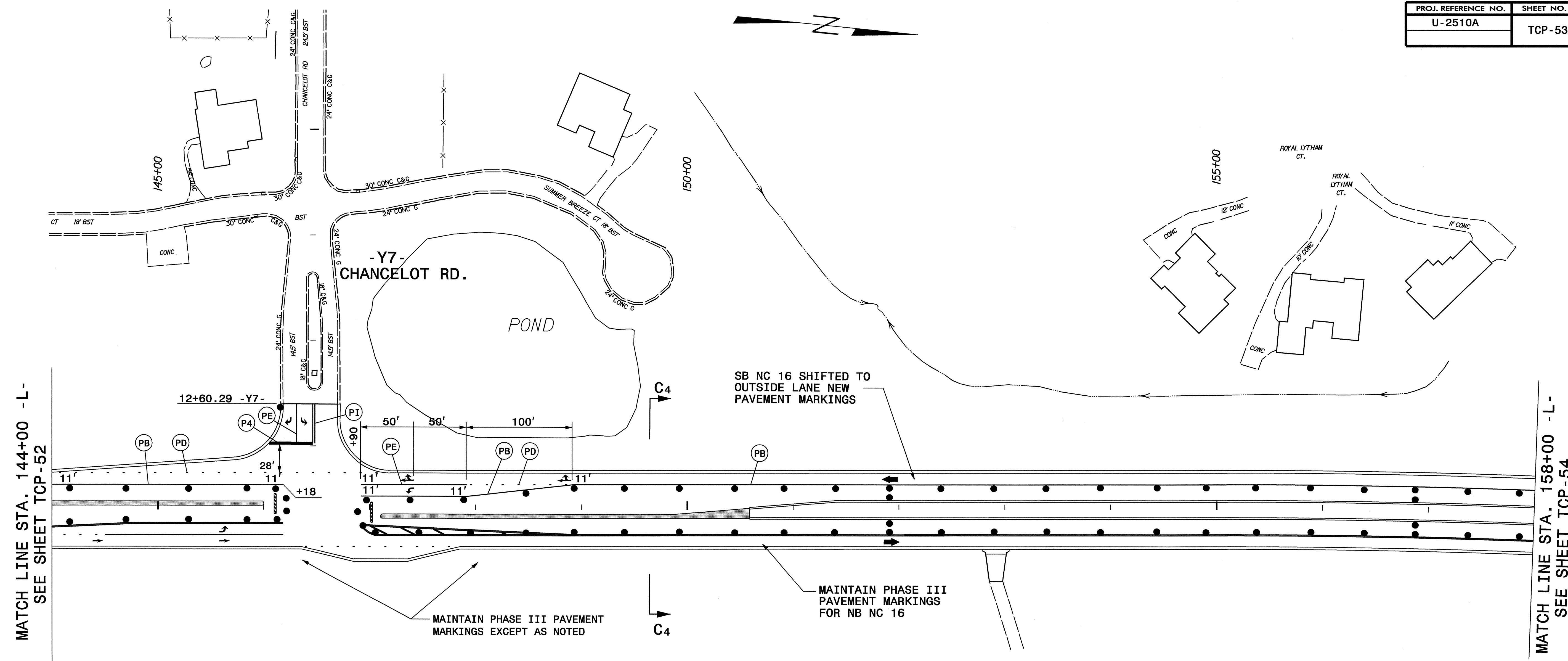
SB NC 16 SHIFTED TO
OUTSIDE LANE NEW
PAVEMENT MARKINGS



TEMPORARY PAVEMENT MARKING LEGEND	
(PA) PAINT - WHITE EDGELINE (4")	(QA) ↶ (PAINT - LEFT ARROW)
(PB) PAINT - YELLOW EDGELINE (4")	(QB) ↷ (PAINT - RIGHT ARROW)
(PC) PAINT - 10 FT. WHITE SKIP (4")	(QC) → (PAINT - STRAIGHT ARROW)
(PD) PAINT - 2 FT. WHITE MINISKIP (4")	(QD) ↶→ (PAINT - COMBO STRAIGHT LEFT ARROW)
(PE) PAINT - WHITE SOLID LANE LINE (4")	(QE) →↷ (PAINT - COMBO STRAIGHT RIGHT ARROW)
(PI) PAINT - YELLOW DOUBLE CENTER (4")	(QT) ONLY (PAINT - ALPHANEUMERIC CHARACTER)
(PV) PAINT - YELLOW DIAGONAL (8")	(QJ) 🚲 (PAINT - BICYCLE SYMBOL)
(PX) PAINT - WHITE CROSSWALK (8")	(QK) ↑ (PAINT - BICYCLE ARROW)
(RI) COLD APPLIED PLASTIC TYPE 4 (REM. TAPE) DOUBLE YELLOW CENTERLINE (4")	
(RA) COLD APPLIED PLASTIC TYPE 4 (REM. TAPE) WHITE EDGELINE (4")	

23 AUG 2007 14:58 Proj:\jpp\projects-u\2510a\traffic\traffic\top-u-2510a.tc_top-52-4.dgn
KDR:sdw:ell AT: WZTC224240

APPROVED: _____	DATE: 24 Aug 07	PHASE IV DETAILS	
	SCALE: NONE		REVISIONS
	DATE: 8/07		
	DWG. BY: KPB		
	DESIGN BY: KPB		
REVIEWED BY: JWG			CADD FILE



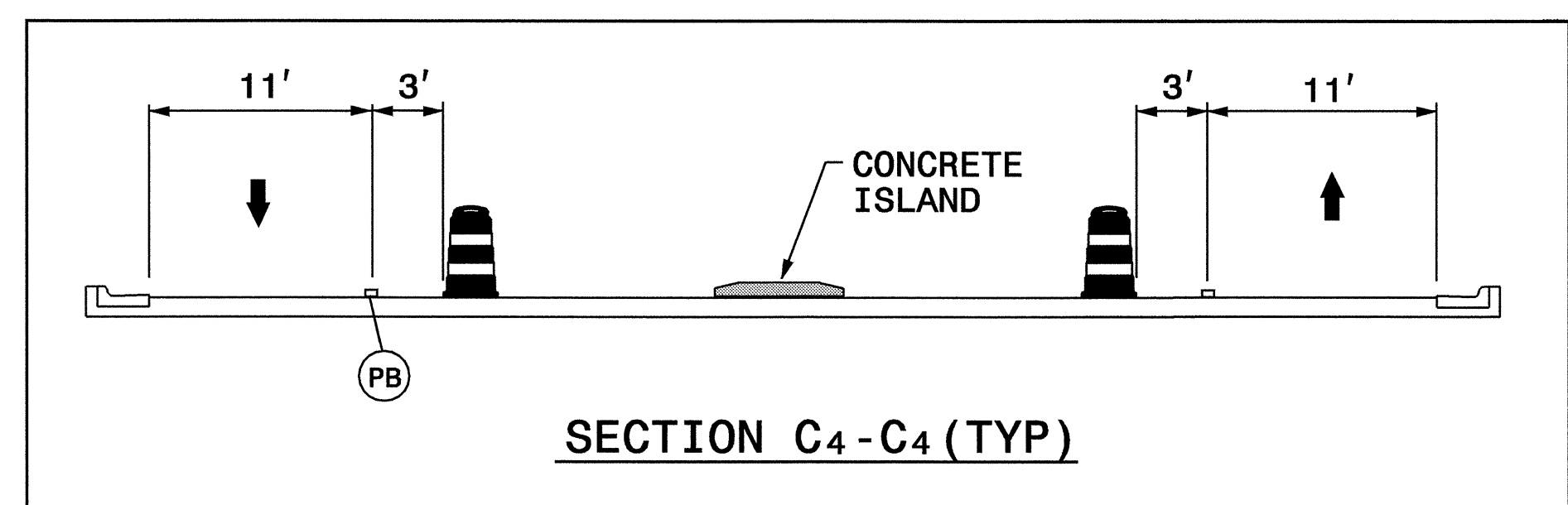
MATCH LINE STA. 144+00 -L-
SEE SHEET TCP-52

MATCH LINE STA. 158+00 -L-
SEE SHEET TCP-54

SB NC 16 SHIFTED TO
OUTSIDE LANE NEW
PAVEMENT MARKINGS

MAINTAIN PHASE III PAVEMENT
MARKINGS EXCEPT AS NOTED

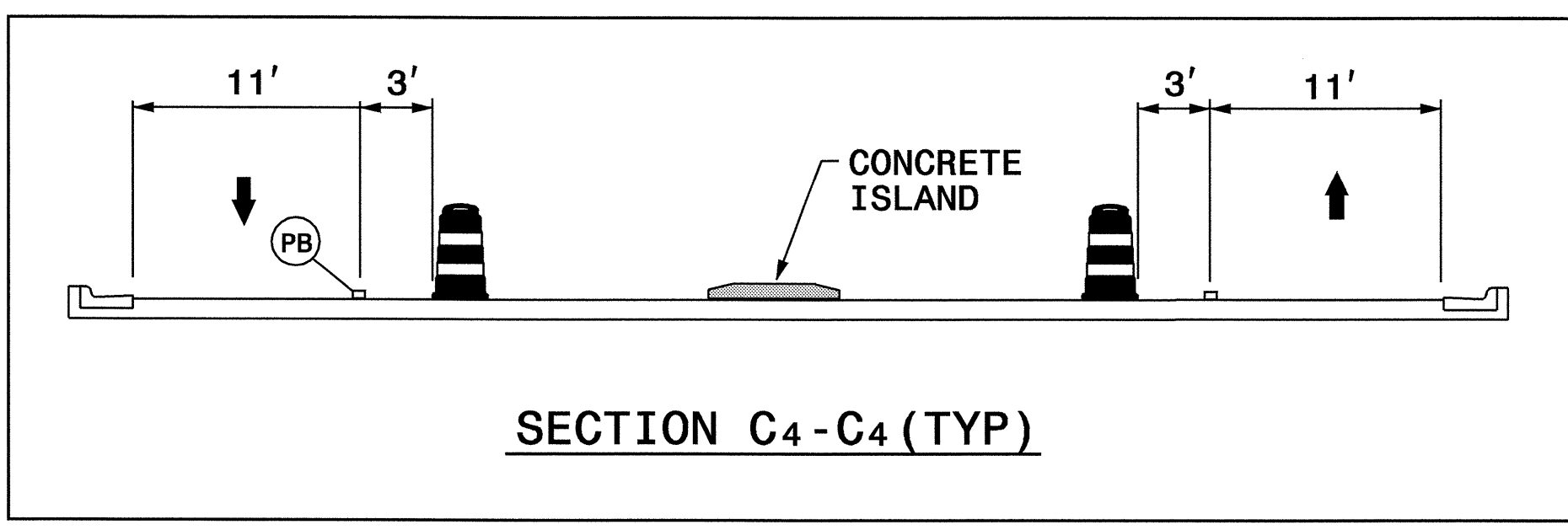
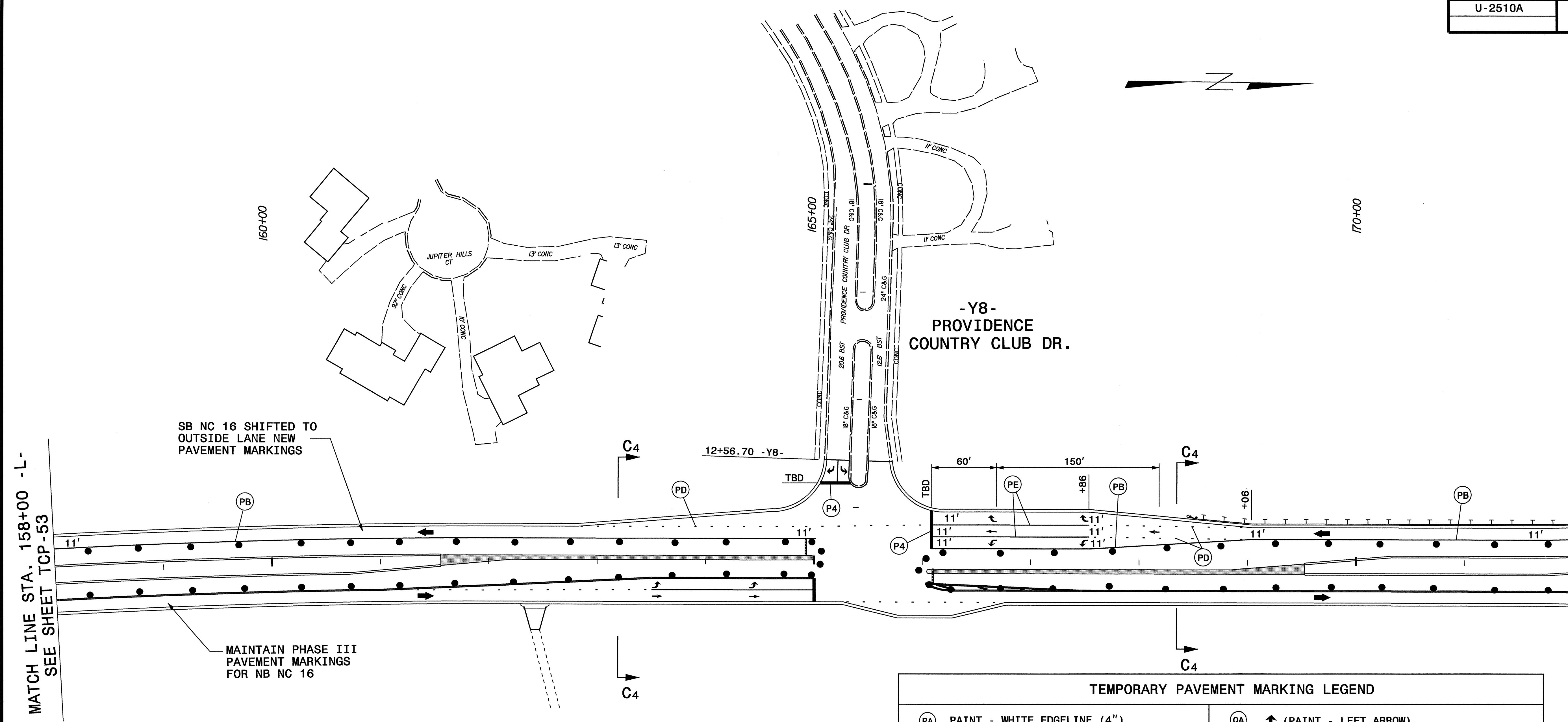
MAINTAIN PHASE III
PAVEMENT MARKINGS
FOR NB NC 16



TEMPORARY PAVEMENT MARKING LEGEND	
(PA)	PAINT - WHITE EDGELINE (4")
(PB)	PAINT - YELLOW EDGELINE (4")
(PC)	PAINT - 10 FT. WHITE SKIP (4")
(PD)	PAINT - 2 FT. WHITE MINISKIP (4")
(PE)	PAINT - WHITE SOLID LANE LINE (4")
(PI)	PAINT - YELLOW DOUBLE CENTER (4")
(PV)	PAINT - YELLOW DIAGONAL (8")
(PX)	PAINT - WHITE CROSSWALK (8")
(P4)	PAINT - WHITE STOPBAR (24")
(RI)	COLD APPLIED PLASTIC TYPE 4 (REM. TAPE) DOUBLE YELLOW CENTERLINE (4")
(RA)	COLD APPLIED PLASTIC TYPE 4 (REM. TAPE) WHITE EDGELINE (4")
(QA)	(PAINT - LEFT ARROW)
(QB)	(PAINT - RIGHT ARROW)
(QC)	(PAINT - STRAIGHT ARROW)
(QD)	(PAINT - COMBO STRAIGHT LEFT ARROW)
(QE)	(PAINT - COMBO STRAIGHT RIGHT ARROW)
(QI)	ONLY (PAINT - ALPHANEUMERIC CHARACTER)
(QJ)	(PAINT - BICYCLE SYMBOL)
(QK)	(PAINT - BICYCLE ARROW)

23-AUG-2007 14:58 Proj:\p\projects-u\2510a\traffic\traffic\top\top-53-4.dgn

APPROVED: _____ DATE: 24 Aug 07	PHASE IV DETAILS	
	SCALE: NONE	
	DATE: 8/07	
	DWG. BY: KPB	
	DESIGN BY: KPB	
	REVIEWED BY: JWG	



TEMPORARY PAVEMENT MARKING LEGEND	
(PA) PAINT - WHITE EDGELINE (4")	(QA) (PAINT - LEFT ARROW)
(PB) PAINT - YELLOW EDGELINE (4")	(QB) (PAINT - RIGHT ARROW)
(PC) PAINT - 10 FT. WHITE SKIP (4")	(QC) (PAINT - STRAIGHT ARROW)
(PD) PAINT - 2 FT. WHITE MINISKIP (4")	(QD) (PAINT - COMBO STRAIGHT LEFT ARROW)
(PE) PAINT - WHITE SOLID LANE LINE (4")	(QE) (PAINT - COMBO STRAIGHT RIGHT ARROW)
(PI) PAINT - YELLOW DOUBLE CENTER (4")	(QI) ONLY (PAINT - ALPHANEUMERIC CHARACTER)
(PV) PAINT - YELLOW DIAGONAL (8")	(QJ) (PAINT - BICYCLE SYMBOL)
(PX) PAINT - WHITE CROSSWALK (8")	(QK) (PAINT - BICYCLE ARROW)
(P4) PAINT - WHITE STOPBAR (24")	
(R1) COLD APPLIED PLASTIC TYPE 4 (REM. TAPE) DOUBLE YELLOW CENTERLINE (4")	
(R4) COLD APPLIED PLASTIC TYPE 4 (REM. TAPE) WHITE EDGELINE (4")	

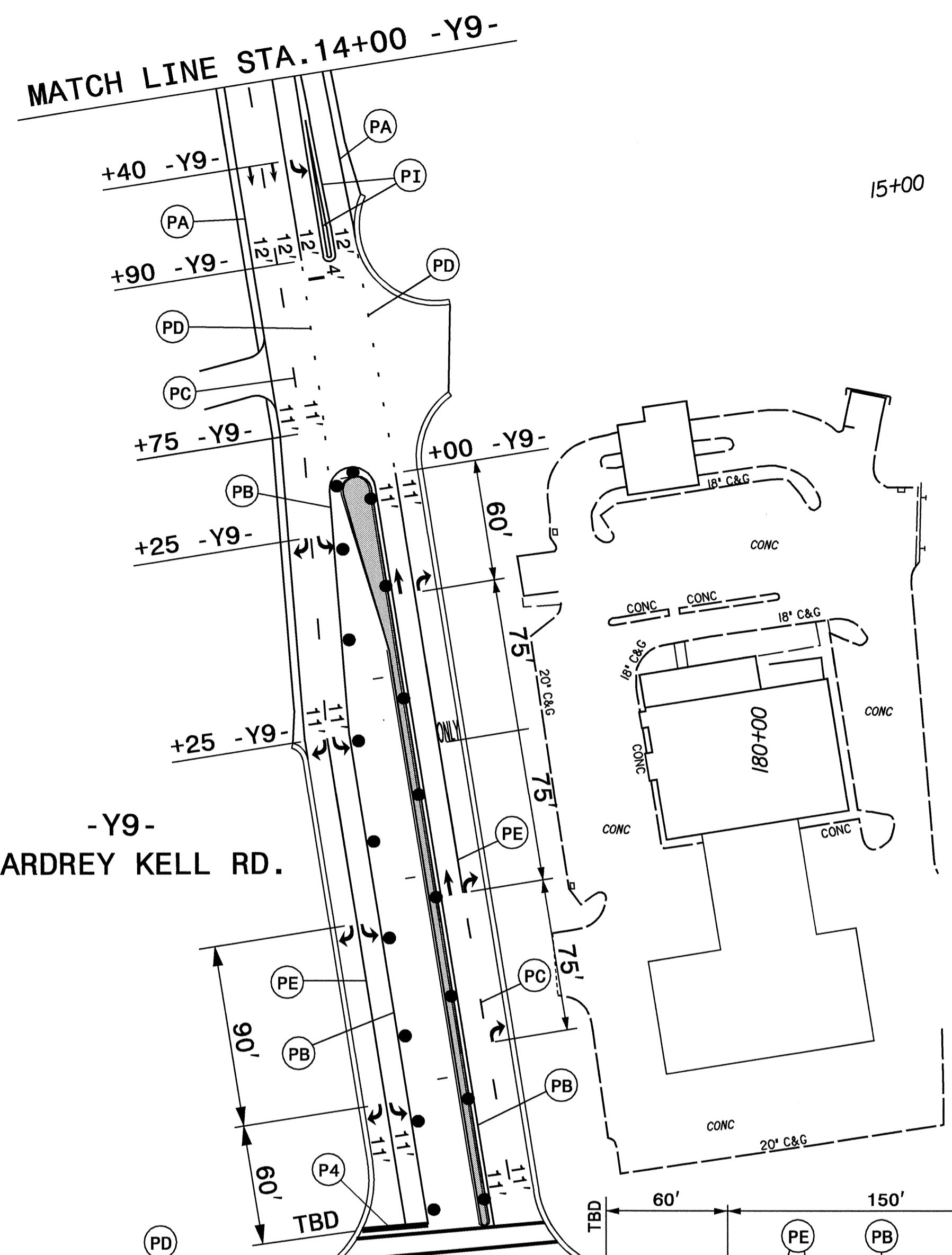
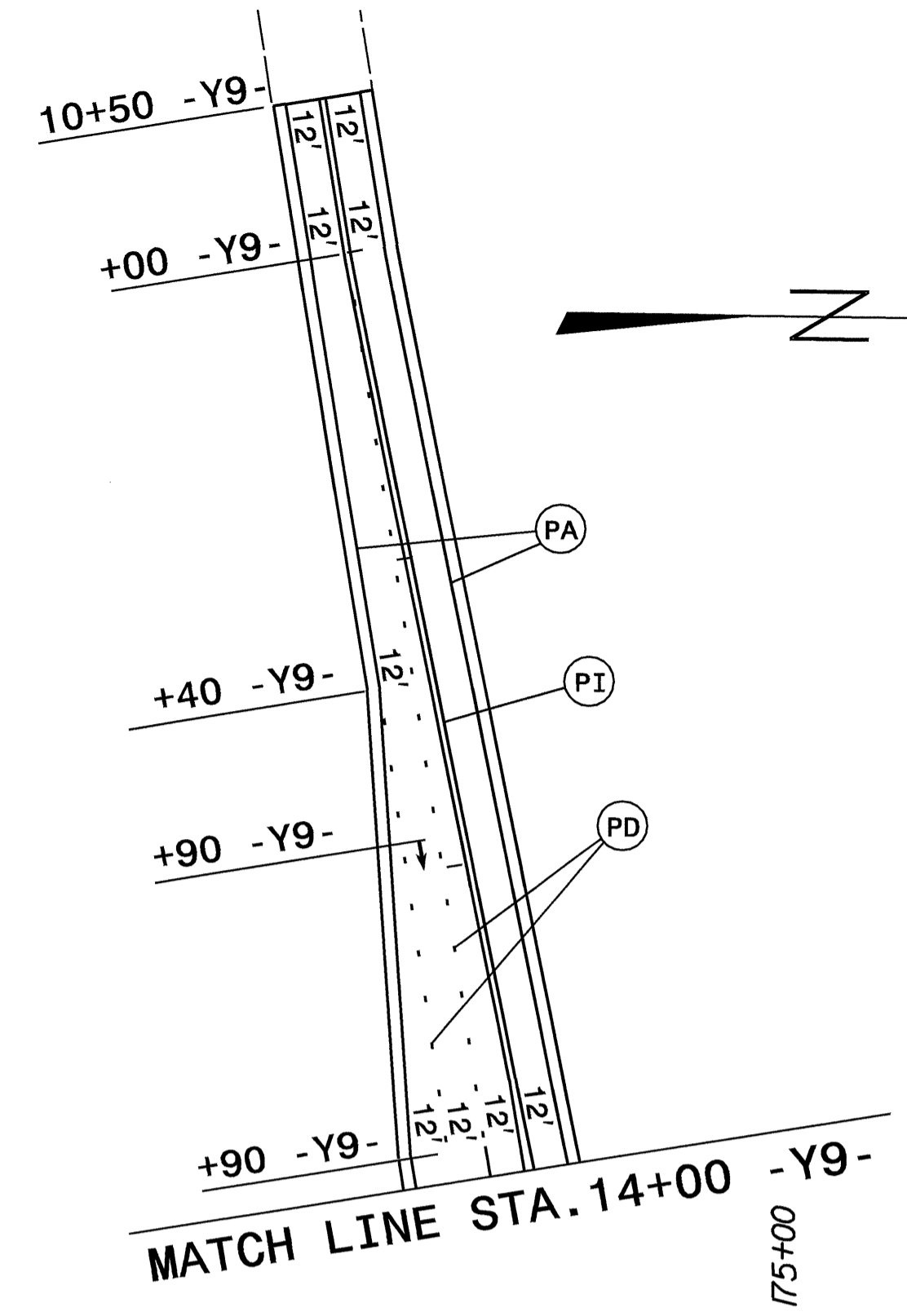
APPROVED: _____ DATE: *July 27*



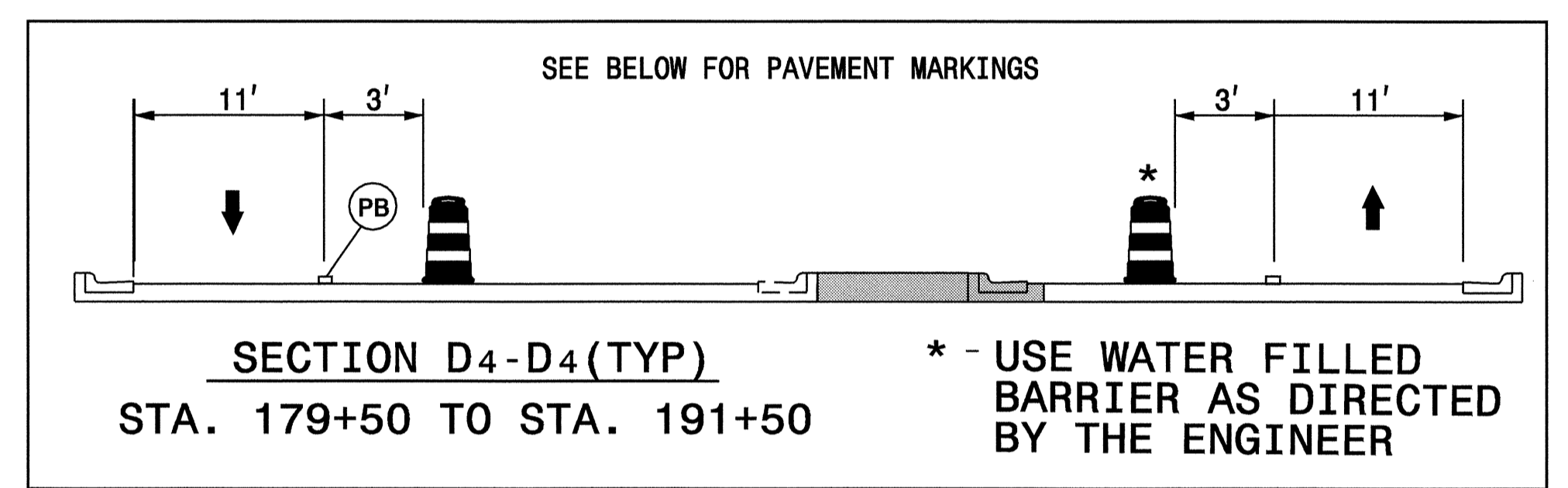
PHASE IV DETAILS

SCALE: NONE		REVISIONS
DATE: 8/07		
DWG. BY: KPB		
DESIGN BY: KPB		
REVIEWED BY: <i>JWG</i>		

23-AUG-2007 14:59
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 KBR odw\ AT W.L. 02/22/08



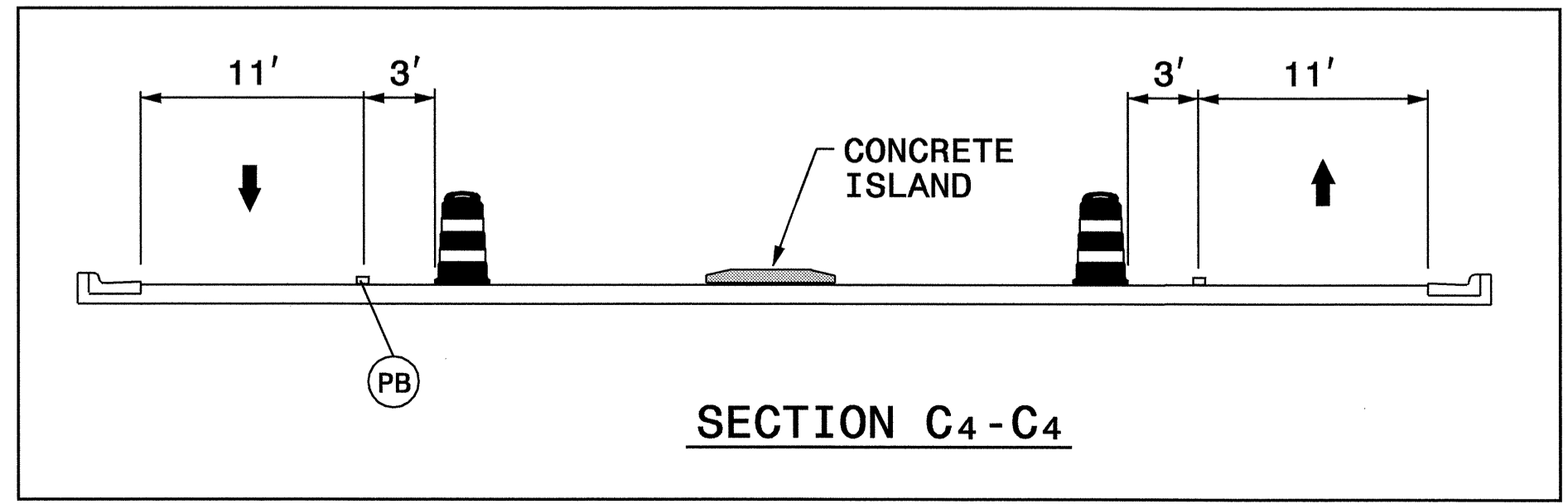
TEMPORARY PAVEMENT MARKING LEGEND	
(PA) PAINT - WHITE EDGELINE (4")	(QA) ↗ (PAINT - LEFT ARROW)
(PB) PAINT - YELLOW EDGELINE (4")	(QB) ↘ (PAINT - RIGHT ARROW)
(PC) PAINT - 10 FT. WHITE SKIP (4")	(QC) → (PAINT - STRAIGHT ARROW)
(PD) PAINT - 2 FT. WHITE MINISKIP (4")	(QD) ↗↘ (PAINT - COMBO STRAIGHT LEFT ARROW)
(PE) PAINT - WHITE SOLID LANE LINE (4")	(QE) ↘↗ (PAINT - COMBO STRAIGHT RIGHT ARROW)
(PI) PAINT - YELLOW DOUBLE CENTER (4")	(QI) ONLY (PAINT - ALPHANEUMERIC CHARACTER)
(PV) PAINT - YELLOW DIAGONAL (8")	(QJ) 🚲 (PAINT - BICYCLE SYMBOL)
(PX) PAINT - WHITE CROSSWALK (8")	(QK) 🚲↑ (PAINT - BICYCLE ARROW)
(P4) PAINT - WHITE STOPBAR (24")	
(RI) COLD APPLIED PLASTIC TYPE 4 (REM. TAPE) DOUBLE YELLOW CENTERLINE (4")	
(RA) COLD APPLIED PLASTIC TYPE 4 (REM. TAPE) WHITE EDGELINE (4")	



MATCH LINE STA. 172+00 -L-
SEE SHEET TCP-54

SB NC 16 SHIFTED TO
OUTSIDE LANE NEW
PAVEMENT MARKINGS

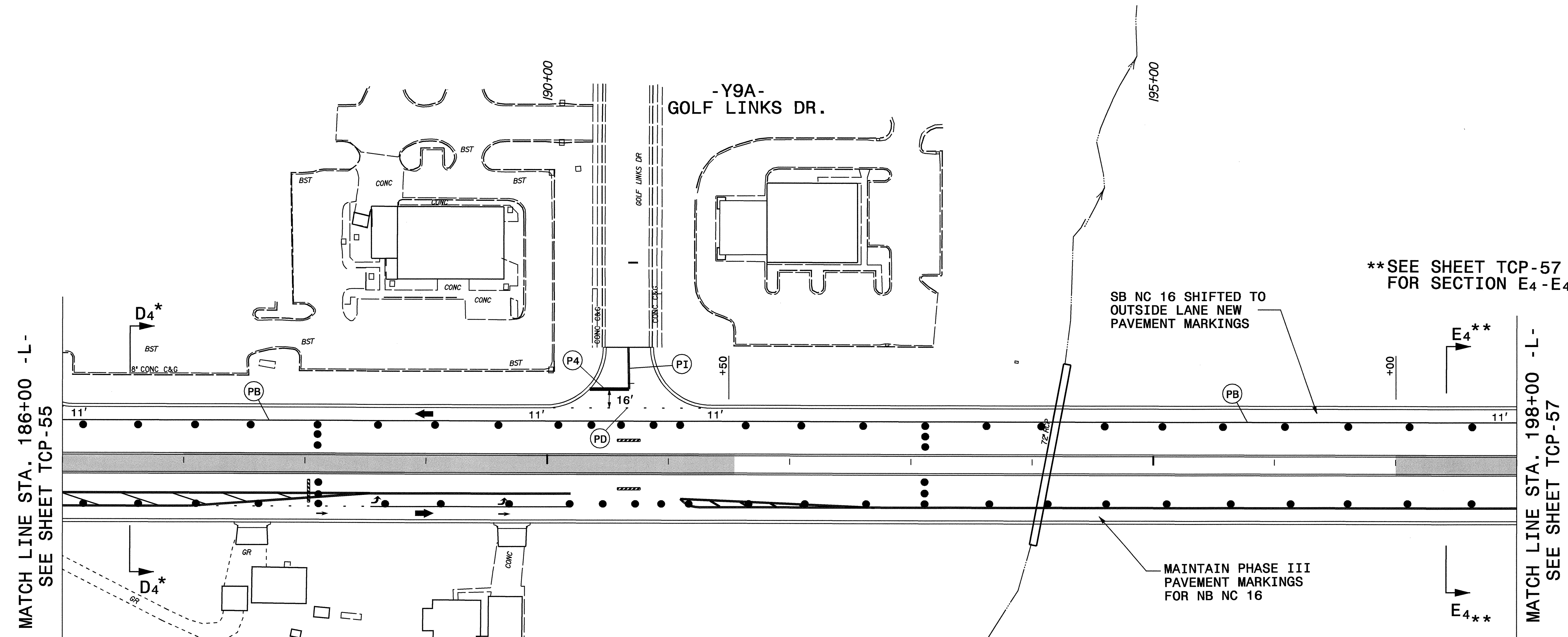
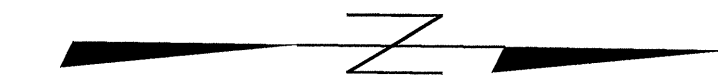
MAINTAIN PHASE III
PAVEMENT MARKINGS
FOR NB NC 16



MATCH LINE STA. 186+00 -L-
SEE SHEET TCP-56

24-AUG-2007 07:24
D:\D\Projects\Traffic\TrafficControl\U-2510a_tcp-55-4.dgn
Korodwell AT WZ TC224240

APPROVED: _____ DATE: 24 Aug 07	PHASE IV DETAILS										
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	REVISIONS										
DWG. BY: KPB	REVIEWED BY: JWG										
DESIGN BY: KPB	CADD FILE										



**SEE SHEET TCP-57 FOR SECTION E4 - E4

MATCH LINE STA. 186+00 -L-
SEE SHEET TCP-55

MATCH LINE STA. 198+00 -L-
SEE SHEET TCP-57

*SEE SHEET TCP-55 FOR SECTION D4 - D4

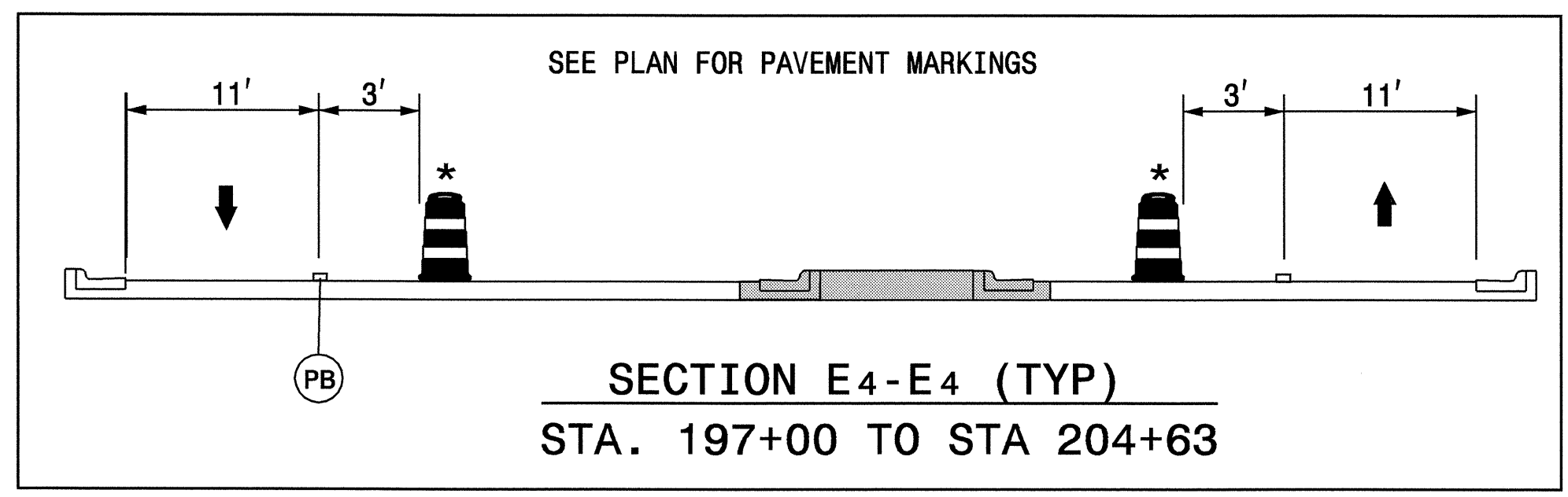
SB NC 16 SHIFTED TO OUTSIDE LANE NEW PAVEMENT MARKINGS

MAINTAIN PHASE III PAVEMENT MARKINGS FOR NB NC 16

TEMPORARY PAVEMENT MARKING LEGEND

(PA) PAINT - WHITE EDGELINE (4")	(QA) ↶ (PAINT - LEFT ARROW)
(PB) PAINT - YELLOW EDGELINE (4")	(QB) ↷ (PAINT - RIGHT ARROW)
(PC) PAINT - 10 FT. WHITE SKIP (4")	(QC) → (PAINT - STRAIGHT ARROW)
(PD) PAINT - 2 FT. WHITE MINISKIP (4")	(QD) ↶→ (PAINT - COMBO STRAIGHT LEFT ARROW)
(PE) PAINT - WHITE SOLID LANE LINE (4")	(QE) ↷→ (PAINT - COMBO STRAIGHT RIGHT ARROW)
(PI) PAINT - YELLOW DOUBLE CENTER (4")	(QI) ONLY (PAINT - ALPHANEUMERIC CHARACTER)
(PV) PAINT - YELLOW DIAGONAL (8")	(QJ) ⚡ (PAINT - BICYCLE SYMBOL)
(PX) PAINT - WHITE CROSSWALK (8")	(QK) ↑ (PAINT - BICYCLE ARROW)
(P4) PAINT - WHITE STOPBAR (24")	
(RI) COLD APPLIED PLASTIC TYPE 4 (REM. TAPE) DOUBLE YELLOW CENTERLINE (4")	
(RA) COLD APPLIED PLASTIC TYPE 4 (REM. TAPE) WHITE EDGELINE (4")	

APPROVED: _____ DATE: <u>8/07</u>	PHASE IV DETAILS	
	SCALE: NONE	
	DATE: 8/07	
DESIGN BY: KPB		
REVIEWED BY: <u>JWG</u>		

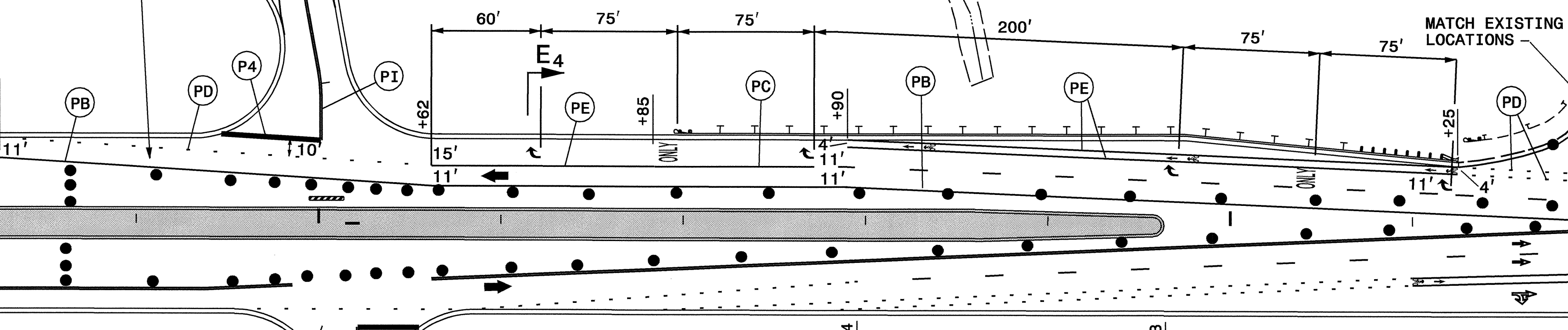


-Y10-
ALLISON WOODS DR.

*USE WATER FILLED BARRIER
AS DIRECTED BY ENGINEER

SB NC 16 SHIFTED TO
OUTSIDE LANE NEW
PAVEMENT MARKINGS

MATCH LINE STA. 198+00 -L-
SEE SHEET TCP-56



MAINTAIN PHASE III
PAVEMENT MARKINGS
FOR NB NC 16

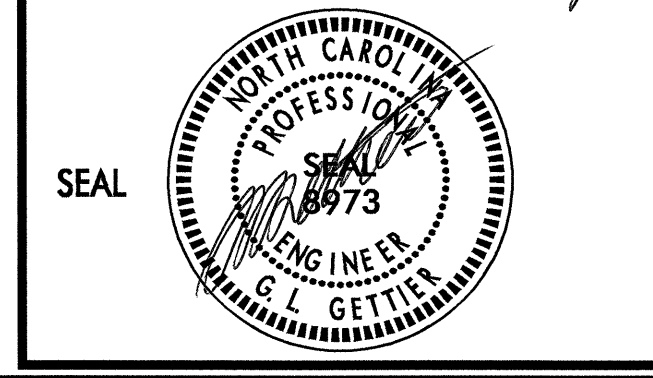
KEEP CLOSED
AS DIRECTED
BY ENGINEER

-Y11-
SR 5701

TEMPORARY PAVEMENT MARKING LEGEND

(PA) PAINT - WHITE EDGELINE (4")	(QA) ↶ (PAINT - LEFT ARROW)
(PB) PAINT - YELLOW EDGELINE (4")	(QB) ↷ (PAINT - RIGHT ARROW)
(PC) PAINT - 10 FT. WHITE SKIP (4")	(QC) → (PAINT - STRAIGHT ARROW)
(PD) PAINT - 2 FT. WHITE MINISKIP (4")	(QD) ↶→ (PAINT - COMBO STRAIGHT LEFT ARROW)
(PE) PAINT - WHITE SOLID LANE LINE (4")	(QE) ↷→ (PAINT - COMBO STRAIGHT RIGHT ARROW)
(PI) PAINT - YELLOW DOUBLE CENTER (4")	(QI) ONLY (PAINT - ALPHANEUMERIC CHARACTER)
(PV) PAINT - YELLOW DIAGONAL (8")	(QJ) ⚓ (PAINT - BICYCLE SYMBOL)
(PX) PAINT - WHITE CROSSWALK (8")	(QK) ⬆ (PAINT - BICYCLE ARROW)
(P4) PAINT - WHITE STOPBAR (24")	
(RI) COLD APPLIED PLASTIC TYPE 4 (REM. TAPE) DOUBLE YELLOW CENTERLINE (4")	
(RA) COLD APPLIED PLASTIC TYPE 4 (REM. TAPE) WHITE EDGELINE (4")	

APPROVED: _____ DATE: 8/07

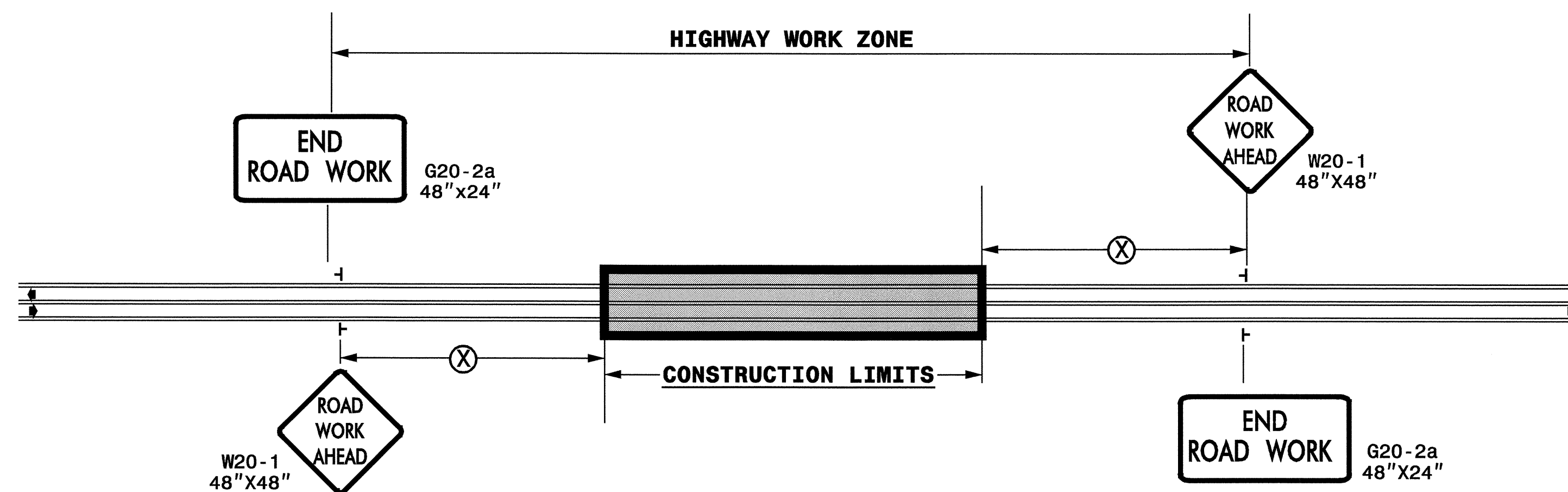


PHASE IV DETAILS

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REVISIONS										
DATE: 8/07										
DWG. BY: KPB										
DESIGN BY: KPB										
REVIEWED BY: JWG	CADD FILE									

23 AUG 2007 11:28 Proj:\tj\projects-u\2510a\traffic\trafficcontrol\tcp-u-2510a.tc.tcp-57-4.dgn
 K:\GOWELL AT WZTC224240

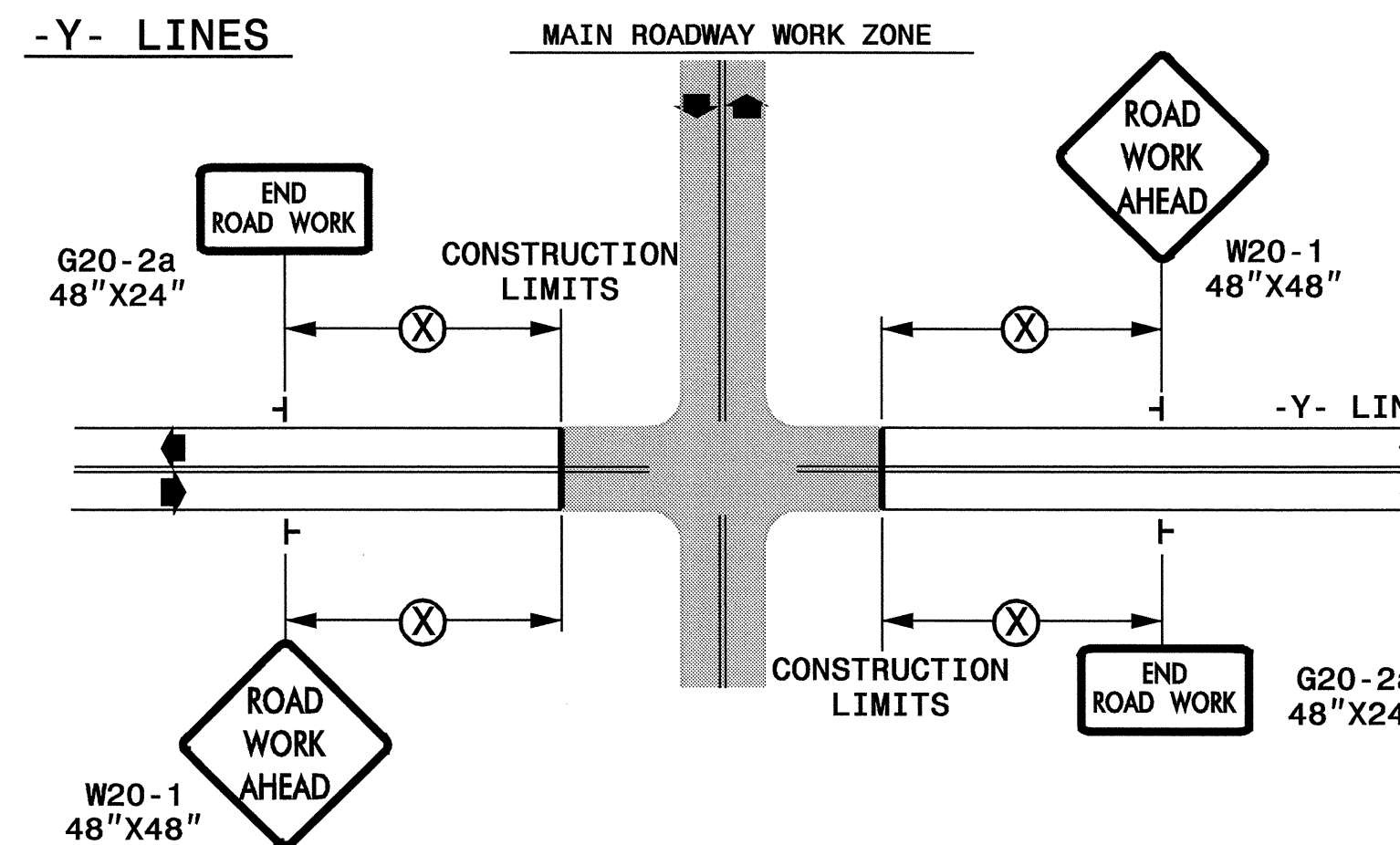
TWO-WAY UNDIVIDED ** (L-LINES)



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)



DETAIL DRAWING FOR
TWO-WAY UNDIVIDED
WORK ZONE WARNING SIGNS

GENERAL NOTES

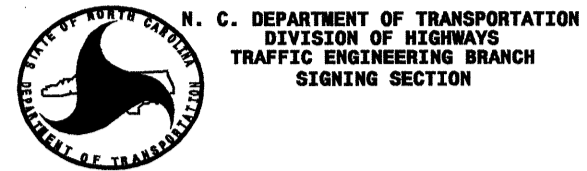
- USE FLUORESCENT ORANGE SHEETING (TYPE VII OR HIGHER) ON ALL ADVANCED WORK ZONE SIGNS.
- DO NOT INSTALL ADVANCE WARNING SIGNS MORE THAN 3 DAYS PRIOR TO BEGINNING OF WORK.
- SIGNS SHOWN ARE REQUIRED FOR WORK ZONES THAT WILL REMAIN IN EFFECT OVERNIGHT. FOR SHORT-TERM DAILY MAINTENANCE TYPE OPERATIONS, 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

SHEET 1 OF 1

APPROVED: _____ DATE: 8/14/07	DETAIL DRAWING FOR TWO-WAY UNDIVIDED AND URBAN FREEWAYS ADVANCED WORK ZONE WARNING SIGNS	
	SCALE: NONE	REVISIONS
	DATE:	7-98 10/01
	DWG. BY:	10-98 03/04
	DESIGN BY:	01/01 11/04
REVIEWED BY:	CADD FILE	

23 AUG -2007 12:20
 U:\projects\2510a\traffic\trafficcontrol\tcp-58.dgn
 KDR\Gadwell AT WZTC224240



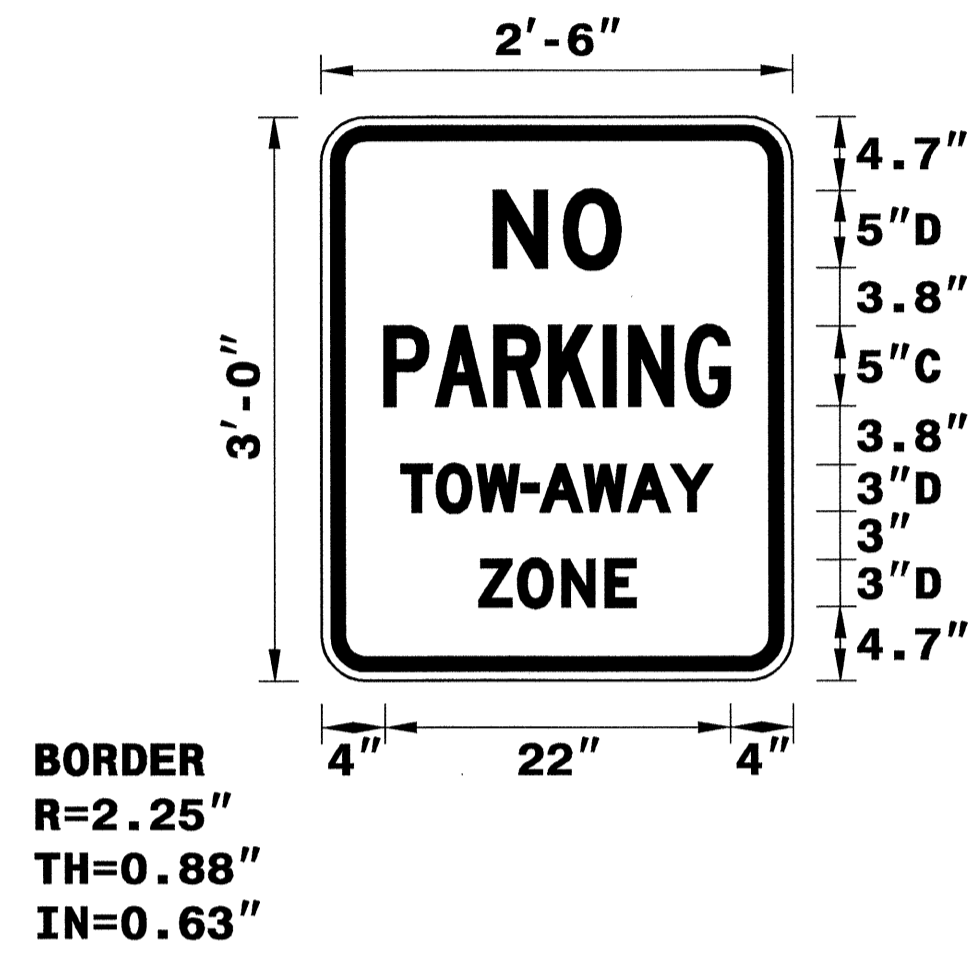
N. C. DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS
TRAFFIC ENGINEERING BRANCH
SIGNING SECTION

SIGN NUMBER: SP07102	BACKG COLOR: WHITE	DESIGN BY: R. HENNEIN	CHECKED BY:	STD #: N/A
TYPE: E	COPY COLOR: RED	PROJECT ID: U-2510A	DIV: 10	DATE: Apr 19, 2007
QUANTITY: 1				

SYMBOL	X	Y	WID	HT

SIGN WIDTH: 30"
HEIGHT: 36"
TOTAL AREA: 7.5 Sq.Ft.
BORDER TYPE: FLUSH
RECESS: 0.63"
WIDTH: 0.88"
RADII: 2.25"
NO. Z BARS:
LENGTH:
MAT'L: 0.080" (2.0 mm) ALUMINUM
0.079" COMPOSITE

- USE NOTES:
1. Legend and border shall be direct applied Type III reflective sheeting.
 2. Legend and border shall be direct applied non-reflective sheeting.
 3. Shields shall be Type III reflective sheeting on 0.032" (0.8mm) aluminum and demountable.
 4. Background shall be Type III reflective sheeting.
 5. Background shall be Type I reflective sheeting.
 6. Center arrow(s) vertically on sign.
 7. Bottom panel shall be yellow Type III sheeting. Legend shall be direct applied black non-reflective sheeting. Yellow panel is:

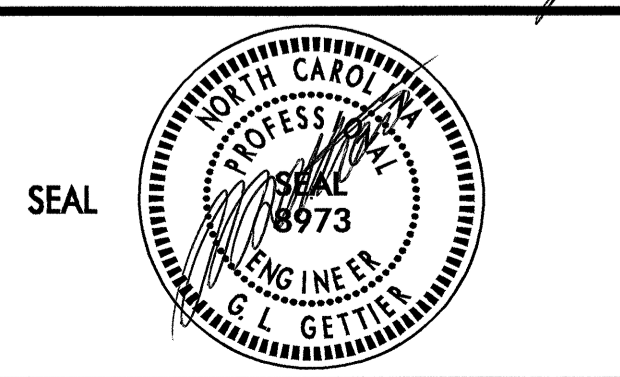



LETTER POSITIONS

Letter spacings are to start of next letter											Series/Size Text Length
	N	O									D 2000 8.1
11	4.5	3.6	11								C 2000 22
	P	A	R	K	I	N	G				D 2000 19.7
4	3.3	3.8	3.5	3.5	1.6	3.6	2.8	4			D 2000 9.9
	T	O	W	-	A	W	A	Y			
5.1	2.3	2.5	2.9	1.2	2.7	2.9	2.7	2.6	5.1		
	Z	O	N	E							
10.1	2.5	2.8	2.8	1.9	10.1						

Spacing Factor is 1 unless specified otherwise
FILENAME: SP07102_noparkingtow-awayzone

23-AUG-2007 12:00
 DOT User: asg
 Kbr caddwall AT WZL224240
 ...:\projects-u\2510a\traffic\cp-59\dgn

APPROVED: _____ DATE: 8/07		NO PARKING SIGN DETAILS						
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REVISIONS								
		DATE: 8/07						
DWG. BY: KPB		REVIEWED BY: JWG						
DESIGN BY: KPB								
REVIEWED BY: JWG								