

STATE OF NORTH CAROLINA
DIVISION OF HIGHWAYS

STATE PROJECT REFERENCE NO.	SHEET NO.
U-5194	TCP-1

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

U-5194

ROADWAY STANDARD DRAWINGS

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

STD. NO.	TITLE
1101.02	TEMPORARY LANE CLOSURES
1101.03	TEMPORARY ROAD CLOSURES
1101.04	TEMPORARY SHOULDER CLOSURES
1101.11	TRAFFIC CONTROL DESIGN TABLES
1110.01	STATIONARY WORK ZONE SIGNS
1110.02	PORTABLE WORK ZONE SIGNS
1115.01	FLASHING ARROW PANELS
1130.01	DRUMS
1135.01	CONES
1145.01	BARRICADES
1150.01	FLAGGING DEVICES
1180.01	SKINNY - DRUM
1205.01	PAVEMENT MARKINGS - LINE TYPES AND OFFSETS
1205.02	PAVEMENT MARKINGS - 2 LANE & MULTILANE ROADWAYS
1205.04	PAVEMENT MARKINGS - INTERSECTIONS
1205.05	PAVEMENT MARKINGS - TURN LANES
1205.06	PAVEMENT MARKINGS - THRU LANE DROPS
1205.07	PAVEMENT MARKINGS - PEDESTRIAN CROSSWALKS
1205.08	PAVEMENT MARKINGS - SYMBOLS AND WORD MESSAGES
1205.09	PAVEMENT MARKINGS - PAINTED ISLANDS
1205.10	PAVEMENT MARKINGS - SCHOOL AREAS
1205.12	PAVEMENT MARKINGS - BRIDGES
1250.01	PAVEMENT MARKER SPACING
1264.01	OBJECT MARKERS
1264.02	PLACEMENT OF OBJECT MARKERS

INDEX OF SHEETS

SHEET NO.	TITLE
TCP-1	LIST OF APPLICABLE ROADWAY STANDARD DRAWINGS, LEGEND AND INDEX OF SHEETS
TCP-2 THRU TCP-3	PROJECT NOTES
TCP-4 THRU TCP-6	PHASING
TCP-7	PHASE I OVERVIEW
TCP-8 THRU TCP-12	AREA 1 PHASE I DETAILS
TCP-13 THRU TCP-17B	AREA 2 PHASE I DETAILS
TCP-18 THRU TCP-26	PHASE II DETAILS
TCP-27	WORK ZONE WARNING SIGNS
SD-1	TEMPORARY SIGN DETAILS

LEGEND

GENERAL

- DIRECTION OF TRAFFIC FLOW
- NORTH ARROW
- PROPOSED PVMT. EXIST. PVMT.
- WORK AREA
- REMOVAL OF EXISTING PAVEMENT

TRAFFIC CONTROL DEVICES

- TYPE II BARRICADE
- TYPE III BARRICADE
- CONE
- DRUM
- TUBULAR MARKER
- FLASHING ARROW PANEL (TYPE C)
- TYPE 'B' WARNING LIGHT
- STATIONARY SIGN
- PORTABLE SIGN
- STATIONARY OR PORTABLE SIGN
- WARNING FLAGS
- CRASH CUSHION
- CHANGEABLE MESSAGE SIGN (CMS)
- TRUCK MOUNTED IMPACT ATTENUATOR (TMIA)
- POLICE
- FLAGGER
- TREE PROTECTION BARRICADE
- PORTABLE CONCRETE BARRIER
- WATER-FILLED BARRIER

PAVEMENT MARKINGS

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

TIP PROJECT:

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18556 AT RAL2004GDI

PLAN REVIEWED BY: N.C.D.O.T. WORK ZONE TRAFFIC CONTROL SECTION	APPROVED:	PLAN PREPARED FOR N.C.D.O.T. BY:
J.S. BOURNE, PE STATE TRAFFIC MANAGEMENT ENGINEER	DATE: 12-7-09	1616 EAST MILLBROOK ROAD, SUITE 310 RALEIGH, NORTH CAROLINA 27609 PHONE: (919) 876-6888
J. ISHAK, PE TRAFFIC CONTROL PROJECT ENGINEER	SEAL	J.T. BROOKS, PE PROJECT ENGINEER
TRAFFIC CONTROL PROJ. DESIGN ENGINEER		L.M. MOON, PE DESIGN ENGINEER
TRAFFIC CONTROL DESIGN ENGINEER		B.K. SCOTT DESIGN TECHNICIAN

PROJECT NOTES

GENERAL NOTES

PROJ. REFERENCE NO.	SHEET NO.
U-5194	TCP-2

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

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

TIME RESTRICTIONS

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

ROAD NAME	DAY AND TIME RESTRICTIONS
ALL ROADS	MONDAY - SUNDAY 5:00 AM - 9:00 PM

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

ROAD NAME

ALL ROADS

HOLIDAY

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

IF INDEPENDENCE DAY IS ON A FRIDAY, SATURDAY, SUNDAY OR MONDAY THEN BETWEEN THE HOURS OF 4:00 P.M. THE THURSDAY BEFORE INDEPENDENCE DAY AND 9:00 A.M. THE TUESDAY AFTER INDEPENDENCE DAY.
- FOR LABOR DAY, BETWEEN THE HOURS OF 4:00 P.M. FRIDAY AND 9:00 A.M. TUESDAY.
- FOR THANKSGIVING DAY, BETWEEN THE HOURS OF 12:00 P.M. TUESDAY TO 9:00 A.M. MONDAY.
- FOR CHRISTMAS, BETWEEN THE HOURS OF 4:00 P.M. THE FRIDAY BEFORE THE WEEK OF CHRISTMAS DAY AND 9:00 A.M. THE FOLLOWING TUESDAY AFTER THE WEEK OF CHRISTMAS.

C) DO NOT STOP TRAFFIC AS FOLLOWS:

ROAD NAME	DAY AND TIME RESTRICTIONS	DURATION AND OPERATION
ALL ROADS	MONDAY-SUNDAY 5:00 AM - 9:00 PM	20 MINUTES

TRAFFIC PATTERN SWITCH
REMOVAL/INSTALLATION OF
TRAFFIC SIGNALS
INSTALLATION OF SIGNAL POLES
REMOVAL/INSTALLATION OF
SPAN WIRES AND AERIAL CABLES

LANE AND SHOULDER CLOSURE REQUIREMENTS

- D) REMOVE LANE CLOSURE DEVICES FROM THE LANE WHEN WORK IS NOT BEING PERFORMED BEHIND THE LANE CLOSURE OR WHEN A LANE CLOSURE IS NO LONGER NEEDED, OR AS DIRECTED BY THE ENGINEER.
- E) WHEN PERSONNEL AND/OR EQUIPMENT ARE WORKING WITHIN 15 FT OF AN OPEN TRAVEL LANE, CLOSE THE NEAREST OPEN SHOULDER USING ROADWAY STANDARD DRAWING NO. 1101.04 UNLESS THE WORK AREA IS PROTECTED BY BARRIER OR GUARDRAIL OR A LANE CLOSURE IS INSTALLED.
- F) WHEN PERSONNEL AND/OR EQUIPMENT ARE WORKING ON THE SHOULDER ADJACENT TO AN UNDIVIDED FACILITY AND WITHIN 5 FT OF AN OPEN TRAVEL LANE, CLOSE THE NEAREST OPEN TRAVEL LANE USING ROADWAY STANDARD DRAWING NO. 1101.02 UNLESS THE WORK AREA IS PROTECTED BY BARRIER OR GUARDRAIL.

WHEN PERSONNEL AND/OR EQUIPMENT ARE WORKING ON THE SHOULDER ADJACENT TO A DIVIDED FACILITY AND WITHIN 10 FT OF AN OPEN TRAVEL LANE, CLOSE THE NEAREST OPEN TRAVEL LANE USING ROADWAY STANDARD DRAWING NO. 1101.02 UNLESS THE WORK AREA IS PROTECTED BY BARRIER OR GUARDRAIL.

- G) WHEN PERSONNEL AND/OR EQUIPMENT ARE WORKING WITHIN A LANE OF TRAVEL OF AN UNDIVIDED OR DIVIDED FACILITY, CLOSE THE LANE ACCORDING TO THE TRAFFIC CONTROL PLANS, ROADWAY STANDARD DRAWINGS OR AS DIRECTED BY THE ENGINEER. CONDUCT THE WORK SO THAT ALL PERSONNEL AND/OR EQUIPMENT REMAIN WITHIN THE CLOSED TRAVEL LANE.
- H) DO NOT 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.
- I) DO NOT INSTALL MORE THAN ONE LANE CLOSURE, IN ANY ONE DIRECTION, ON ALL STREETS.
- 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 OPENED TRAVEL LANE THAT HAS AN EDGE OF PAVEMENT DROP-OFF AS FOLLOWS:
- BACKFILL DROP-OFFS THAT EXCEED 2 INCHES ON ROADWAYS WITH POSTED SPEED LIMITS OF 45 MPH OR GREATER.
- BACKFILL DROP-OFFS THAT EXCEED 3 INCHES ON ROADWAYS WITH POSTED SPEED LIMITS LESS THAN 45 MPH.
- BACKFILL WITH SUITABLE COMPACTED MATERIAL, AS APPROVED BY THE ENGINEER, AT NO EXPENSE TO THE DEPARTMENT.

- 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) IN ADVANCE AND A MINIMUM OF 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) CONTRACTOR WILL BE RESPONSIBLE FOR PROVIDING PERMANENT SIGNING.
- P) PROVIDE SIGNING AND DEVICES REQUIRED TO CLOSE THE ROAD ACCORDING TO THE ROADWAY STANDARD DRAWINGS AND TRAFFIC CONTROL PLANS. CONTRACTOR WILL BE RESPONSIBLE FOR PROVIDING SIGNING REQUIRED FOR THE OFF-SITE DETOUR ROUTE AS SHOWN IN THE TRAFFIC CONTROL PLANS.
- Q) COVER OR REMOVE ALL SIGNS AND DEVICES REQUIRED TO CLOSE THE ROAD WHEN ROAD CLOSURE IS NOT IN OPERATION. CONTRACTOR WILL COVER OR REMOVE ALL SIGNS REQUIRED FOR THE OFF-SITE DETOUR WHEN THE DETOUR IS NOT IN OPERATION.
- R) ENSURE ALL NECESSARY SIGNING IS IN PLACE PRIOR TO ALTERING ANY TRAFFIC PATTERN.
- S) INSTALL BLACK ON ORANGE "DIP" SIGNS (W8-2) AND/OR "BUMP" SIGNS (W8-1) 200' IN ADVANCE OF THE UNEVEN AREA, OR AS DIRECTED BY THE ENGINEER.

TRAFFIC CONTROL DEVICES

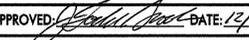
- T) SPACE CHANNELIZING DEVICES IN WORK AREAS NO GREATER IN FEET THAN TWICE THE POSTED SPEED LIMIT (MPH), EXCEPT 10 FT ON-CENTER IN RADII, AND 3 FT OFF THE EDGE OF AN OPEN TRAVELWAY, WHEN LANE CLOSURES ARE NOT IN EFFECT. WHEN SKINNY DRUMS ARE ALLOWED, REFER TO SECTION 1180 OF STANDARD SPECIFICATIONS 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 PERPENDICULAR TO THE EDGE OF TRAVELWAY ON 500 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 SHOWN IN THE PAVEMENT MARKING PLAN.
- X) INSTALL TEMPORARY PAVEMENT MARKINGS AND TEMPORARY PAVEMENT MARKERS ON INTERIM LAYERS OF PAVEMENT AS FOLLOWS:

ROAD NAME	MARKING	MARKER
HIGH POINT ST	PAINT	NONE
ACADEMY ST	PAINT	NONE

- 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.

APPROVED:  DATE: 12/7/09	PROJECT NOTES	
	SCALE: NONE	
	DATE: 12/01/09	
	DWG. BY: BSLM	
	DESIGN BY: BSLM	
REVIEWED BY: JTB	REVISIONS	

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PROJECT NOTES

PROJ. REFERENCE NO.	SHEET NO.
U-5194	TCP-3

GENERAL NOTES (cont.)

- 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.

TEMPORARY / FINAL SIGNALS

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

MISCELLANEOUS

- CC) USE POLICE TO MAINTAIN TRAFFIC THROUGH THE WORK AREA AND/OR INTERSECTIONS, AS DIRECTED BY THE ENGINEER.
- DD) MAINTAIN REASONABLE AND SAFE PEDESTRIAN ACCESS TO ALL BUSINESSES, SCHOOLS, AND DWELLINGS IN AREAS AFFECTED BY CONSTRUCTION AT ALL TIMES.
- EE) ALL WHEEL CHAIR RAMP LOCATIONS SHALL BE DERIVED FROM STATIONING SHOWN ON PAVEMENT MARKING PLANS OR AS DIRECTED BY THE ENGINEER IN COORDINATION WITH THE SIGNING AND DELINEATION UNIT.
- FF) CONTRACTOR SHALL MAINTAIN SIDEWALK ACCESS AT ALL TIMES AS STATED IN THE PHASING. CONTRACTOR SHALL BE RESPONSIBLE TO PROVIDE TEMPORARY SIDEWALKS (CONCRETE, ASPHALT, OR OTHER SUITABLE MATERIAL AS APPROVED BY THE ENGINEER) AT ALL LOCATIONS WHERE THE OPEN PEDESTRIAN TRAVELWAY HAS BEEN REMOVED FOR CONSTRUCTION OPERATIONS (UTILITIES, DRAINAGE, ETC.).

LOCAL NOTES

- LN-1 CONSTRUCT PROPOSED PIPE BENEATH DRIVEWAY DURING OVERNIGHT WORK PERIOD BETWEEN 9:00 PM AND 5:00 AM. PLACE TYPE III BARRICADES WITH ROAD CLOSED (R11-2) SIGN AND DETOUR ARROW SIGN (M4-10) ATTACHED AT EACH END OF DRIVEWAY TO TEMPORARILY CLOSE THE DRIVEWAY AND DETOUR TRAFFIC TO THE ADJACENT DRIVEWAY WHILE CONSTRUCTING PIPE. REMOVE BARRICADES AND REOPEN DRIVEWAY BY END OF THE WORK PERIOD. (SEE TCP-8, TCP-13)
- LN-2 THE LOCATION OF THE CHANGEABLE MESSAGE SIGN (C.M.S.) SHOWN ON THE TRAFFIC CONTROL DETAIL IS APPROXIMATE. LOCATE THE C.M.S. BASED UPON ACTUAL FIELD CONDITIONS AND THE TIME OF USE TO MAXIMIZE THE VISIBILITY AND EFFECTIVENESS OF THE C.M.S., SUBJECT TO THE ENGINEER'S APPROVAL. RELOCATE C.M.S. AS DIRECTED BY THE ENGINEER. (SEE TCP-9, TCP-11, TCP-14, TCP-16, TCP-17, TCP-21, TCP-22, TCP-23, TCP-24)
- LN-3 DO NOT CLOSE AND DETOUR HIGH POINT ST WEST OF ACADEMY ST IN AREA 1 AND HIGH POINT ST EAST OF ACADEMY ST IN AREA 2 AT THE SAME TIME. (SEE TCP-9, TCP-14, TCP-15)

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APPROVED: <i>[Signature]</i> DATE: 12/1/09	PROJECT NOTES									
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	DATE: 12/01/09									
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REVISIONS										

PHASING

Area 1 Phase I

OBJECTIVE:

- CONSTRUCT THE PROPOSED ROUNDABOUT AT THE WAL-MART ENTRANCE

STEP 1: CONSTRUCT PROPOSED CROSS-ACCESS CONNECTION BETWEEN EXPRESS CARE OIL CHANGE AND BP/TANK N TUMMY CONVENIENCE STORE BETWEEN STA 10+05 +/- AND STA 10+70 +/- DW-1- UP TO BUT NOT INCLUDING FINAL LAYER OF SURFACE COURSE. [SEE TCP-7]

USING RSD NO. 1101.02, SHEETS 1 & 2 OF 9, BEGIN CONSTRUCTING THE FOLLOWING ALONG THE NORTH SIDE OF HIGH POINT ST (SEE TCP-8):

- PROPOSED DRAINAGE EAST OF DW-1- (COORDINATE WITH DRAINAGE CONSTRUCTION IN AREA 2)
- PROPOSED WIDENING FROM STA 13+00 +/- -L- TO STA 12+60 +/- -LREV- UP TO EDGE AND ELEVATION OF EXISTING.

PERMANENTLY CLOSE THE EXISTING EB RIGHT-TURN LANES ON HIGH POINT ST AT BOTH THE WAL-MART MAIN ENTRANCE DW-2- AND THE TACO BELL/ADVANCE AUTO PARTS ENTRANCE (WAL-MART SECONDARY ENTRANCE) AT STA 12+50 +/- -LREV- BY PLACING DRUMS SPACED 20 C-C AS SHOWN ON TCP-8. ONCE THESE EB RIGHT TURN LANES ARE CLOSED, BEGIN CONSTRUCTION OF THE FOLLOWING:

- CURB & GUTTER ALONG THE SOUTH SIDE OF HIGH POINT ST AND CURB & GUTTER AND WIDENING WITHIN THE SW RADIUS OF THE DW-2- INTERSECTION USING RSD 1101.02, SHEETS 1 & 2 OF 9.
- CURB & GUTTER ALONG SOUTH SIDE OF HIGH POINT ST FROM DW-2- TO STA 12+50 +/- -LREV- AND WIDENING WITHIN THE SE CORNER OF THE DW-2- INTERSECTION AS MUCH AS POSSIBLE BEHIND RIGHT-TURN LANE CLOSURE. USE RSD 1101.01, SHEETS 1 & 2 OF 9 WHEN ENCROACHMENT ON ADJACENT EB TRAFFIC LANE OF HIGH POINT RD IS UNAVOIDABLE.

STEP 2: CLOSE EXISTING EXPRESS CARE OIL CHANGE DRIVEWAY CONNECTION TO HIGH POINT ST AND REROUTE TRAFFIC TO ADJACENT BP/TANK N TUMMY CONVENIENCE STORE DRIVEWAY DW-1- USING THE NEW CROSS-ACCESS CONNECTION CONSTRUCTED IN STEP I. [SEE TCP-8]

ONCE THE EXPRESS CARE OIL CHANGE TRAFFIC HAS BEEN REROUTED, CONSTRUCT THE FOLLOWING [SEE TCP-8]:

- CATCH BASINS NO. 1 & NO. 2 AND DRAINAGE PIPE ACROSS DW-1- (SEE LN-1).
- PROPOSED ROUNDABOUT SPLITTER ISLAND ON DW-1-
- ISLANDS SEPARATING EXPRESS CARE OIL CHANGE PARKING LOT FROM DRIVEWAY DW-1-
- CURB & GUTTER AND WIDENING IN THE NW CORNER OF THE HIGH POINT ST/DW-1- INTERSECTION UP TO THE EXISTING HIGH POINT ST PAVEMENT EDGE (STA 13+00 +/- -L-) USING RSD 1101.02, SHEETS 1 & 2 OF 9

COMPLETE THE CONSTRUCTION BEGUN IN STEP 1.

ONE WEEK PRIOR TO BEGINNING AREA 1 PHASE I, STEP 3, INSTALL AND ACTIVATE CHANGEABLE MESSAGE SIGNS (CMS) ON HIGH POINT ST AS SHOWN ON TCP-9 TO ADVISE MOTORISTS OF UPCOMING 7-DAY CLOSURE AND DETOUR OF HIGH POINT ST WEST OF THE WAL-MART MAIN ENTRANCE DW-2- (SEE LN-3).

THE CONTRACTOR SHALL COMPLETE AREA 1 PHASE I, STEPS 3 THRU 8, WITHIN SEVEN CONSECUTIVE CALENDAR DAYS.

STEP 3: TEMPORARILY CLOSE HIGH POINT ST FROM JUST EAST OF COMMONWEALTH RD TO THE WEST SIDE OF THE WAL-MART MAIN ENTRANCE (DW-2-) INTERSECTION AND DETOUR HIGH POINT RD THROUGH TRAFFIC AS SHOWN ON TCP-9 (SEE LN-3).

STEP 4: BEHIND ROAD CLOSURE BEGIN CONSTRUCTING THE FOLLOWING ON WEST LEG OF THE PROPOSED WAL-MART MAIN ENTRANCE ROUNDABOUT:

- COMPLETE CURB & GUTTER ON NORTH SIDE OF HIGH POINT ST FROM STA 12+48 +/- -L- TO STA 13+00 +/- -L-
- WEDGE HIGH POINT ST WEST OF DW-1-/DW-2-
- CONSTRUCT SPLITTER ISLAND

USING RSD 1101.02, SHEETS 1 & 2 OF 9, WEDGE HIGH POINT ST AS MUCH AS POSSIBLE BETWEEN THE WAL-MART MAIN ENTRANCE DW-2- AND TACO BELL/ADVANCED AUTO PARTS DRIVE (STA 10+00 +/- TO STA 13+00 +/- -LREV-). (WEDGING WILL BE COMPLETED IN CONJUNCTION WITH WEDGING WITHIN THE DW-1-/DW-2- ROUNDABOUT DURING AN OVERNIGHT INTERSECTION CLOSURE DURING NEXT STEP.)

STEP 5: USING TCP-10 AND TCP-11 OVERNIGHT, TEMPORARILY CLOSE THE REMAINING THREE LEGS OF THE HIGH POINT ST/DW-1-/DW-2- INTERSECTION AND DETOUR TRAFFIC ENTERING AND EXITING THE WAL-MART SHOPPING CENTER VIA THE SECONDARY ENTRANCE BETWEEN THE TACO BELL AND ADVANCE AUTO PARTS STORE.

WITH THE INTERSECTION CLOSED TO TRAFFIC, WEDGE THE INTERSECTION AND COMPLETE WEDGING ON ALL FOUR LEGS OF THE INTERSECTION UP TO BUT NOT INCLUDING THE FINAL LAYER OF SURFACE COURSE.

PLACE A TEMPORARY DOUBLE YELLOW CENTERLINE DOWN THE CENTER OF THE HIGH POINT ST FROM STA 10+00 +/- -LREV- TO STA 12+50 +/- -LREV- AND ON THE WALMART MAIN ENTRANCE FROM STA 9+90 +/- TO STA 11+10 +/- DW-2-. ONCE PAVEMENT MARKINGS HAVE BEEN INSTALLED, REOPEN THE HIGH POINT ST/DW-1-/DW-2- INTERSECTION TO TRAFFIC, EXCEPT FOR WEST LEG, AND DISCONTINUE SHOPPING CENTER DETOUR.

STEP 6: USING TCP-10 AND TCP-11 OVERNIGHT, TEMPORARILY CLOSE THE HIGH POINT ST/DW-1-/DW-2- INTERSECTION AND DETOUR TRAFFIC ENTERING AND EXITING THE WAL-MART SHOPPING CENTER VIA THE SECONDARY ENTRANCE BETWEEN THE TACO BELL AND ADVANCE AUTO PARTS STORE.

WITH THE INTERSECTION CLOSED TO TRAFFIC, CONSTRUCT THE FOLLOWING [SEE TCP-10]:

- SPLITTER ISLAND ON THE WAL-MART MAIN ENTRANCE DW-2-
- SPLITTER ISLAND ON THE EAST LEG OF HIGH POINT ST FROM STA 10+00 +/- TO STA 12+20 +/- -LREV-
- PROPOSED CURB & GUTTER IN N.E. CORNER OF THE INTERSECTION, INCLUDING COMPLETION OF C.B. NO. 2 THAT WAS PARTIALLY CONSTRUCTED IN PRIOR STEP.

PLACE TEMPORARY MARKINGS AND SIGNS FOR A TEMPORARY ROUNDABOUT PATTERN, WITH MARKINGS AND CHANNELIZING DEVICES SIMULATING THE CENTRAL ISLAND, AS SHOWN ON TCP-12. ONCE MARKINGS AND SIGNS ARE IN PLACE, REOPEN INTERSECTION, EXCEPT WEST LEG, TO TRAFFIC AND DISCONTINUE SHOPPING CENTER DETOUR AS SHOWN ON TCP-12.

STEP 7: USING TCP-10 AND TCP-11 OVERNIGHT, TEMPORARILY CLOSE THE HIGH POINT ST/DW-1-/DW-2- INTERSECTION AND DETOUR TRAFFIC ENTERING AND EXITING THE WAL-MART SHOPPING CENTER VIA THE SECONDARY ENTRANCE BETWEEN THE TACO BELL AND ADVANCE AUTO PARTS STORE.

WITH THE INTERSECTION CLOSED TO TRAFFIC, CONSTRUCT THE PROPOSED CENTRAL ISLAND FOR THE ROUNDABOUT. [SEE TCP-10]

REOPEN THE INTERSECTION, EXCEPT FOR THE WEST LEG, AND DISCONTINUE SHOPPING CENTER DETOUR BY THE END OF THE OVERNIGHT WORK PERIOD. [SEE TCP-12]

STEP 8: REMOVE BARRICADES FROM HIGH POINT ST AND REOPEN HIGH POINT ST TO THROUGH TRAFFIC BETWEEN COMMONWEALTH RD TO THE WAL-MART MAIN ENTRANCE (DW-2-). COVER/REMOVE ROAD CLOSURE AND DETOUR SIGNING.

Area 2 Phase I

OBJECTIVES:

- CONSTRUCT THE PROPOSED TIGERS DEN RD ROUNDABOUT WHILE PUBLIC SCHOOLS ARE ON SUMMER BREAK

THE CONTRACTOR SHALL COMPLETE AREA 2, PHASE 1, STEPS 1 THRU 8, BETWEEN FRIDAY, JUNE 11, 2010 AND FRIDAY, AUGUST 20, 2010.

STEP 1: USING RSD 1101.02 SHEETS 1 & 2 OF 9, REMOVE EXISTING CROSSWALK MARKINGS ACROSS HIGH POINT ST EAST OF TIGERS DEN RD (-Y2A-). [SEE DETAIL A, TCP-13]

WHILE MAINTAINING TRAFFIC IN EXISTING PATTERNS, BEGIN CONSTRUCTION OF THE FOLLOWING AS MUCH AS POSSIBLE UP TO THE EDGE AND ELEVATION OF EXISTING TRAVEL WAY:

- RELOCATED TIGERS DEN RD (-Y2AREV-) FROM EXISTING TIGERS DEN (STA 11+40 +/-) TO HIGH POINT ST (STA 13+29 +/-). [SEE TCP-7 AND TCP-13]
- RELOCATED SHOPPING CENTER DRIVE (-Y2BREV-) FROM STA 12+78 +/- TO HIGH POINT ST (STA 10+24 +/-). [SEE TCP-7 AND TCP-13, DETAIL A]
- WIDENING ALONG THE SOUTH SIDE OF HIGH POINT ST FROM STA 13+30 +/- TO STA 14+49 +/- -Y2REV-.
- WIDENING ALONG THE NORTH SIDE OF HIGH POINT ST FROM STA 13+30 +/- TO STA 14+82 +/- -Y2REV-.

USING RSD 1101.02, SHEETS 1 & 2 OF 9, BEGIN CONSTRUCTING PROPOSED DRAINAGE ON HIGH POINT ST BETWEEN STA 13+30 +/- -Y2REV- AND -Y2AREV-/-Y2BREV-.

THE CONTRACTOR SHALL COMPLETE AREA 2 PHASE I, STEPS 2 AND 3, WITHIN SEVEN CONSECUTIVE CALENDAR DAYS.

STEP 2: INSTALL TYPE III BARRICADES AND TEMPORARILY CLOSE -Y2BREV- SHOPPING CENTER ENTRANCE BETWEEN STA 12+78 +/- AND HIGH POINT ST (-Y2REV-) AS SHOWN ON DETAIL B, TCP-13.

ONCE -Y2BREV- IS CLOSED, COMPLETE CONSTRUCTION OF NEW SHOPPING CENTER DRIVEWAY UP TO BUT NOT INCLUDING FINAL LAYER OF SURFACE COURSE. PARTIALLY CONSTRUCT SW RADIUS OF -Y2BREV-/HIGH POINT ST INTERSECTION AS MUCH AS POSSIBLE WITHOUT ENCROACHING ON EXISTING HIGH POINT ST TRAVEL WAY. [SEE DETAIL B, TCP-13]

STEP 3: REMOVE BARRICADES AND REOPEN -Y2BREV- SHOPPING CENTER ENTRANCE TO TRAFFIC.

THREE CALENDAR DAYS PRIOR TO BEGINNING AREA 2 PHASE I, STEP 4, INSTALL AND ACTIVATE CHANGEABLE MESSAGE SIGNS (CMS) ON HIGH POINT ST AS SHOWN ON TCP-14 TO ADVISE MOTORISTS OF UPCOMING OVERNIGHT ROAD CLOSURES TO CONSTRUCT THE PROPOSED TIGERS DEN ROUNDABOUT (SEE LN-3).

STEP 4: USING TCP-14 AND TCP-15, TEMPORARILY CLOSE HIGH POINT ST TO THROUGH TRAFFIC FROM EAST SIDE OF EXISTING TIGERS DEN RD (-Y2A-) TO WEST SIDE OF WAFFLE HOUSE RESTAURANT DRIVEWAY (STA 19+60 +/- -Y2REV-) (SEE LN-3) AND TEMPORARILY CLOSE -Y2BREV-. PROVIDE FLAGGERS AT EACH END OF ROAD CLOSURE ON HIGH POINT ST AND ON EXISTING TIGERS DEN RD (-Y2A-) TO MAINTAIN LOCAL TRAFFIC ACCESS TO EXISTING TIGERS DEN RD AND THE WAFFLE HOUSE RESTAURANT THROUGH THE WORK AREA.

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PHASING

PROJ. REFERENCE NO.	SHEET NO.
U-5194	TCP-5

Area 2 Phase I (cont.)

STEP 4: WITH HIGH POINT ST CLOSED TO THROUGH TRAFFIC, CONSTRUCT (cont.) THE SPLITTER ISLAND ON THE EAST LEG OF HIGH POINT ST AT THE PROPOSED TIGERS DEN ROUNDABOUT. [SEE TCP-15]

PLACE PAVEMENT MARKINGS, SIGNS AND DRUMS IN PROPOSED TEMPORARY TRAFFIC PATTERN SHOWN ON TCP-16. ONCE MARKINGS, SIGNS AND DEVICES ARE IN PLACE, REMOVE ROAD CLOSURE BARRICADES FROM HIGH POINT ST, COVER DETOUR AND ROAD CLOSURE SIGNING, AND REOPEN HIGH POINT ST TO THROUGH TRAFFIC. REMOVE BARRICADES AND REOPEN THE SHOPPING CENTER DRIVEWAY -Y2BREV-.

STEP 5: USING TCP-14 AND TCP-15, TEMPORARILY CLOSE HIGH POINT ST TO THROUGH TRAFFIC FROM EAST SIDE OF EXISTING TIGERS DEN RD (-Y2A-) TO WEST SIDE OF WAFFLE HOUSE RESTAURANT DRIVEWAY (STA 19+60 +/- -Y2REV- AND TEMPORARILY CLOSE -Y2BREV-. PROVIDE FLAGGERS AT EACH END OF ROAD CLOSURE ON HIGH POINT ST AND ON EXISTING TIGERS DEN RD (-Y2A-) TO MAINTAIN LOCAL TRAFFIC ACCESS TO EXISTING TIGERS DEN RD AND THE WAFFLE HOUSE RESTAURANT THROUGH THE WORK AREA.

WITH HIGH POINT ST CLOSED TO THROUGH TRAFFIC:

- WEDGE THE NEW INTERSECTION OF HIGH POINT ST (-Y2-/-Y2A-) AND RELOCATED TIGERS DEN RD (-Y2AREV-)/RELOCATED SHOPPING CENTER DRIVEWAY (-Y2BREV-).
- CONSTRUCT THE CURB & GUTTER ALONG THE NORTH SIDE OF HIGH POINT ST FROM STA 17+65 +/- TO STA 19+75 +/- -Y2REV-. [SEE TCP-15]
- CONSTRUCT THE CENTRAL ISLAND WITHIN THE PROPOSED TIGERS DEN ROUNDABOUT. [SEE TCP-15]

PLACE PAVEMENT MARKINGS, SIGNS AND DRUMS IN PROPOSED TEMPORARY TRAFFIC PATTERN SHOWN ON TCP-16. ONCE MARKINGS, SIGNS AND DEVICES ARE IN PLACE, REMOVE ROAD CLOSURE BARRICADES FROM HIGH POINT ST, COVER DETOUR AND ROAD CLOSURE SIGNING, AND REOPEN HIGH POINT ST TO THROUGH TRAFFIC. REMOVE BARRICADES AND REOPEN THE SHOPPING CENTER DRIVEWAY -Y2BREV-.

STEP 6: COMPLETE CONSTRUCTION OF THE FOLLOWING BEGUN IN AREA 2, PHASE I, STEP 1:

- RELOCATED TIGERS DEN RD (-Y2AREV-)
- HIGH POINT ST NORTH SIDE WIDENING FROM STA 13+30 +/- TO STA 14+82 +/- -Y2REV-
- HIGH POINT ST SOUTH SIDE WIDENING FROM STA 13+30 +/- TO STA 14+49 +/- -Y2REV-

STEP 7: USING TCP-14 AND TCP-17, TEMPORARILY CLOSE HIGH POINT ST TO THROUGH TRAFFIC FROM ACADEMY ST TO EAST OF TIGERS DEN RD (-Y2A-) TO WEST SIDE OF WAFFLE HOUSE RESTAURANT DRIVEWAY (STA 19+60 +/- -YSREV-) AND TEMPORARILY CLOSE -Y2BREV-. PROVIDE FLAGGERS AT EACH END OF ROAD CLOSURE ON HIGH POINT ST AND ON EXISTING TIGERS DEN RD (-Y2A-) TO MAINTAIN LOCAL TRAFFIC ACCESS TO EXISTING TIGERS DEN RD AND THE WAFFLE HOUSE RESTAURANT THROUGH THE WORK AREA. PLACE BARRICADES TO CLOSE THE CAR WASH DRIVEWAY ON THE SOUTH SIDE OF HIGH POINT ST AS SHOWN ON TCP-17.

WITH HIGH POINT ST CLOSED TO THROUGH TRAFFIC:

- WEDGE THE WEST LEG OF HIGH POINT ST APPROACHING THE TIGERS DEN ROUNDABOUT.
- CONSTRUCT THE CURB & GUTTER FROM STA 14+49 +/- TO STA 15+84 +/- -Y2REV- AND THE NEW DRIVEWAY FOR THE CAR WASH ON THE SOUTH SIDE OF HIGH POINT ST. [SEE TCP-17]
- CONSTRUCT THE SPLITTER ISLAND ON WEST LEG OF HIGH POINT ST INCLUDING PROPOSED MEDIAN UP THROUGH STA 13+50 +/- -Y2REV-. [SEE TCP-17]

INSTALL PERMANENT SIGNING FOR THE PROPOSED TIGERS DEN ROUNDABOUT [SEE SIGNING PLANS]. PLACE PAVEMENT MARKINGS AND DRUMS IN PROPOSED TEMPORARY ROUNDABOUT TRAFFIC PATTERN SHOWN ON TCP-17A.

ONCE MARKINGS, SIGNS AND DEVICES ARE IN PLACE:

- REMOVE ROAD CLOSURE BARRICADES FROM HIGH POINT ST AND -Y2BREV-.
- COVER DETOUR AND ROAD CLOSURE SIGNING, AND REOPEN HIGH POINT ST TO THROUGH TRAFFIC.
- SHIFT TIGERS DEN RD TRAFFIC TO THE ROUNDABOUT (-Y2AREV-) AND PLACE BARRICADES TO CLOSE THE EXISTING TIGERS DEN RD (-Y2A-) TIE-IN TO HIGH POINT ST AS SHOWN ON TCP-17A.
- REMOVE BARRICADES AND REOPEN THE CAR WASH DRIVEWAY ON THE SOUTH SIDE OF HIGH POINT ST.

STEP 8: PLACE TYPE III BARRICADES TO TEMPORARILY CLOSE THE SHOPPING CENTER ENTRANCE (-Y2BREV-), THE HARDEE'S DRIVEWAY ON HIGH POINT ST AND THE CAR WASH DRIVEWAY ON HIGH POINT ST AS SHOWN ON TCP-17B.

USING THE ROUNDABOUT FLAGGING DETAIL ON TCP-17B AND POLICE OFFICER(S) AT THE HIGH POINT ST/ACADEMY ST INTERSECTION:

- OBLITERATE THE FORMER TIGERS DEN RD (-Y2A-) TIE-IN TO HIGH POINT ST.
- CONSTRUCT REMAINING CURB & GUTTER SEGMENT ALONG NORTH SIDE OF HIGH POINT ST FROM STA 14+84 +/- TO STA 15+75 +/- -Y2REV-.
- CONSTRUCT REMAINING PAVEMENT WIDENING AND CURB & GUTTER ALONG THE SOUTH SIDE OF TIGERS DEN RD FROM STA 10+10 +/- TO STA 11+42 +/- -Y2AREV-.

ONCE PAVEMENT REMOVAL, CURB & GUTTER CONSTRUCTION AND PAVEMENT WIDENING ARE COMPLETE, DISCONTINUE FLAGGING OPERATION AND REOPEN TIGERS DEN ROUNDABOUT TO REGULAR TRAFFIC PATTERN. REMOVE TYPE III BARRICADES AND REOPEN -Y2BREV- AND THE HARDEE'S AND CAR WASH DRIVEWAYS.

Area 3 Phase I

OBJECTIVE:
- BEGIN CONSTRUCTING THE ACADEMY ST ROUNDABOUT WHILE MAINTAINING EXISTING TRAFFIC PATTERN

STEP 1: REVISE TRAFFIC SIGNAL (I.E., RELOCATE POLES, REVISE DETECTION) AT THE INTERSECTION OF HIGH POINT ST AND ACADEMY ST TO ACCOMMODATE PROPOSED WIDENING OF NE AND SE INTERSECTION RADII.

WHILE MAINTAINING TRAFFIC IN EXISTING PATTERNS, BEGIN CONSTRUCTION OF THE FOLLOWING AS MUCH AS POSSIBLE UP TO THE EDGE AND ELEVATION OF EXISTING TRAVEL WAY:

- WIDENING ALONG THE SOUTH SIDE OF HIGH POINT ST FROM STA 10+80 +/- TO STA 13+30 +/- -Y2REV-.
- WIDENING ALONG THE NORTH SIDE OF HIGH POINT ST FROM ACADEMY ST (-Y1-) TO STA 13+30 +/- -Y2REV-, INCLUDING THE NE RADIUS OF THE HIGH POINT ST/ACADEMY ST INTERSECTION. [SEE TCP-7]
- WIDENING ON SOUTH SIDE OF HIGH POINT ST FROM STA 12+95 +/- -LREV- TO ACADEMY ST (-Y3-), INCLUDING THE SW RADIUS OF THE HIGH POINT ST (-LREV-)/ACADEMY ST (-Y3-) INTERSECTION. [SEE TCP-7]
- PROPOSED RELOCATED SOUTH LEG OF ACADEMY ST FROM HIGH POINT ST (-LREV-) TO STA 19+62 +/- -Y3-. [SEE TCP-7]
- WIDENING ALONG THE EAST SIDE OF ACADEMY ST FROM HIGH POINT ST (-Y2REV-) TO STA 13+25 +/- -Y1-. [SEE TCP-7]

Phase II

OBJECTIVE:

- CONSTRUCT THE ACADEMY ST ROUNDABOUT AND COMPLETE RAISED MEDIAN ON BOTH LEGS OF THE ACADEMY ST INTERSECTION.

STEP 1: REVISE TRAFFIC SIGNAL (SIGNAL HEADS, DETECTION, PHASING) TO ACCOMMODATE TEMPORARY TRAFFIC PATTERN ON SOUTHBOUND ACADEMY ST (-Y1-) APPROACHING HIGH POINT ST. [SEE TCP-18]

USING RSD 1101.02, SHEET 1 OF 9, WEDGE THE NORTH LEG OF ACADEMY ST (-Y1-), REVISE THE PAVEMENT MARKINGS AND SHIFT ACADEMY ST INTO PROPOSED TEMPORARY TRAFFIC PATTERN SHOWN ON TCP-18 AND TCP-19.

STEP 2: CONSTRUCT PROPOSED SPLITTER ISLAND ON NORTH LEG OF ACADEMY ST (-Y1-). WHEN CONSTRUCTING ISLAND, PLACE DRUMS SPACED 20 FT C-C TO TEMPORARILY CLOSE SB LEFT TURN LANE ON ACADEMY ST AND PROVIDE A POLICE OFFICER(S) TO DIRECT TRAFFIC AT THE INTERSECTION OF HIGH POINT ST AND ACADEMY ST WHILE LEFT TURN LANE IS CLOSED.

COMPLETE CONSTRUCTION AS MUCH AS POSSIBLE OF THE FOLLOWING BEGUN IN PHASE I, STEP 1:

- WIDENING ON SOUTH SIDE OF HIGH POINT ST FROM STA 12+95 +/- -LREV- TO ACADEMY ST (-Y3REV-), INCLUDING THE SW RADIUS OF THE HIGH POINT ST (-LREV-)/ACADEMY ST (-Y3REV-) INTERSECTION. [SEE TCP-7]
- PROPOSED RELOCATED SOUTH LEG OF ACADEMY ST FROM HIGH POINT ST (-Y2REV-) TO STA 19+62 +/- -Y3REV-. [SEE TCP-7]

USING RSD 1101.02, SHEETS 1 & 2 OF 9 AND POLICE OFFICER(S), CONSTRUCT THE FOLLOWING WEDGING ON THE HIGH POINT ST LEGS OF THE ACADEMY ST INTERSECTION TO PREPARE FOR SHIFT TO TEMPORARY ROUNDABOUT PATTERN SHOWN ON TCP-21:

- WEDGE THE SOUTH "HALF" OF HIGH POINT ST FROM STA 12+95 +/- -LREV- TO ACADEMY ST.
- WEDGE THE NORTH "HALF" OF HIGH POINT ST FROM ACADEMY ST TO STA 13+50 +/- -Y2REV-.

REPLACE EXISTING MARKINGS OBLITERATED BY WEDGING AND RETURN TRAFFIC TO THE EXISTING PATTERN.

PLACE TEMPORARY PAVEMENT MARKINGS ON RELOCATED ACADEMY ST -Y3REV- AS MUCH AS POSSIBLE AWAY FROM TRAFFIC TO PREPARE FOR SHIFT TO NEW ALIGNMENT AND TEMPORARY ROUNDABOUT TRAFFIC PATTERN SHOWN ON TCP-21, TCP-23 AND TCP-24.

USING RSD 1101.02, SHEETS 3 & 4 OF 9, MILL EXISTING ACADEMY ST -Y3- IN THE VICINITY OF THE PROPOSED -Y3REV- TIE-IN. REPLACE MARKINGS OBLITERATED BY THE MILLING OPERATION AND RESTORE TRAFFIC TO ORIGINAL TRAFFIC PATTERN.

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PHASING

PROJ. REFERENCE NO.	SHEET NO.
U-5194	TCP-6

Phase II(cont.)

THE CONTRACTOR SHALL COMPLETE PHASE II, STEPS 3 THRU 5, IN A SINGLE WEEKEND WORK PERIOD FROM 9:00 PM ON FRIDAY TO 5:00 AM THE IMMEDIATELY FOLLOWING MONDAY.

STEP 3: PLACE DRUMS SPACED 20 FT C-C TO TEMPORARILY CLOSE THE RIGHT LANE OF SB ACADEMY ST DEPARTING THE HIGH POINT ST INTERSECTION AND SHIFT SINGLE LANE OF SB ACADEMY ST TRAFFIC INTO THE EXISTING CENTER TURN LANE AS SHOWN ON TCP-20A. WITH SB TRAFFIC MAINTAINED IN THE CENTER LANE ON ACADEMY ST:

- WEDGE THE TIE-IN OF THE 2 PROPOSED SB LANES ON RELOCATED ACADEMY ST (-Y3REV-) TO THE 2 EXISTING SB LANES ON ACADEMY ST (-Y3-) UP TO BUT NOT INCLUDING THE FINAL LAYER OF SURFACE COURSE.
- COMPLETE THE TIE-IN OF THE PAVEMENT MARKINGS ON THE SB LANES OF ACADEMY ST AS SHOWN ON TCP-20A.
- PLACE CHANNELIZING DEVICES AND SIGNS ON -Y3REV- AS SHOWN ON TCP-21 & TCP-24 AS MUCH AS POSSIBLE TO PREPARE FOR UPCOMING SHIFT TO NEW ALIGNMENT.

STEP 4: USING RSD 1101.02, SHEETS 1 & 2 OF 9 AND POLICE OFFICER(S) AT THE HIGH POINT/ACADEMY ST INTERSECTION, PERFORM THE FOLLOWING CONSTRUCTION TO SHIFT TRAFFIC INTO THE TEMPORARY SINGLE LANE ROUNDABOUT TRAFFIC PATTERN SHOWN ON TCP-21 AND TCP-23 THRU TCP-24A:

- WEDGE THE INTERSECTION OF HIGH POINT ST AND ACADEMY ST UP TO BUT NOT INCLUDING FINAL LAYER OF SURFACE COURSE.
- REVISE THE PAVEMENT MARKINGS AND PLACE SIGNS AND CHANNELIZING DEVICES TO SHIFT TRAFFIC INTO NEW TRAFFIC PATTERN ON THE HIGH POINT ST LEGS OF THE ACADEMY ST INTERSECTION. [SEE TCP-21 & TCP-22]
- REVISE CHANNELIZING DEVICES AND SIGNING ON ACADEMY ST AND SHIFT ACADEMY ST TRAFFIC INTO TEMPORARY TWO-LANE, TWO-WAY TRAFFIC PATTERN ON PROPOSED SB LANES OF ACADEMY ST (-Y3REV-) AS SHOWN ON TCP-21, TCP-24 AND TCP-24A.

- PLACE TEMPORARY MARKINGS AND DRUMS WITHIN THE HIGH POINT ST/ACADEMY ST INTERSECTION TO SIMULATE THE CENTRAL ISLAND. [SEE TCP-21]

DEACTIVATE AND BAG THE EXISTING TRAFFIC SIGNAL AT THE HIGH POINT ST/ACADEMY ST INTERSECTION UPON SHIFTING TRAFFIC INTO THE TEMPORARY SINGLE-LANE ROUNDABOUT TRAFFIC PATTERN SHOWN ON TCP-21.

STEP 5: WHILE MAINTAINING ACADEMY ST IN TEMPORARY TWO-LANE, TWO-WAY PATTERN ON PROPOSED SB LANES AS SHOWN ON TCP-24 & TCP-24A:

- WEDGE THE TIE-IN OF THE PROPOSED CENTER LANE AND 2 NB LANES ON RELOCATED ACADEMY ST (-Y3REV-) TO THE EXISTING CENTER LANE AND 2 NB LANES ON ACADEMY ST (-Y3-) UP TO BUT NOT INCLUDING THE FINAL LAYER OF SURFACE COURSE.
- COMPLETE THE TIE-IN OF THE PAVEMENT MARKINGS ON THE SB LANES OF ACADEMY ST AS SHOWN ON TCP-24.

ONCE CONSTRUCTION OF THE TIE-IN HAS BEEN COMPLETED:

- REMOVE/RELOCATE CHANNELIZING DEVICES TO OPEN CENTER AND LEFT NB LANE OF ACADEMY ST TO TRAFFIC WHILE MAINTAINING CLOSURE OF RIGHT NB LANE ON ACADEMY ST FROM HIGH POINT ST TO STA 19+62 +/- -Y3- USING RSD 1101.02 SHEET 3 OF 9.

- REMOVE CHANNELIZING DEVICES AND REOPEN LEFT SB LANE OF ACADEMY ST TO SB TRAFFIC SOUTH OF HIGH POINT ST. MAINTAIN CLOSURE OF RIGHT SB LANE OF ACADEMY ST IMMEDIATELY DEPARTING THE HIGH POINT ST INTERSECTION AS SHOWN ON TCP-21.

STEP 6: COMPLETE CONSTRUCTION OF THE SE CORNER OF THE HIGH POINT ST/ACADEMY ST INTERSECTION FROM STA 11+13 +/- -Y3REV- TO STA 10+90 +/- -Y2REV-. REMOVE EXISTING ACADEMY ST -Y3- PAVEMENT. [SEE TCP-21 & TCP-24]

CONSTRUCT CURB & GUTTER AND WIDENING IN THE NW CORNER OF THE HIGH POINT ST/ACADEMY ST INTERSECTION AS FOLLOWS (SEE TCP-21):

- ALONG THE NORTH SIDE OF HIGH POINT ST -LREV- FROM STA 13+00 +/- TO ACADEMY ST (-Y1-).
- ALONG THE WEST SIDE OF ACADEMY ST -Y1- FROM STA 13+34 +/- TO HIGH POINT ST (-LREV-).

STEP 7: REVISE THE PAVEMENT MARKINGS AND RELOCATE CHANNELIZING DEVICES AND SIGNING TO SHIFT TRAFFIC INTO REVISED SINGLE-LANE ROUNDABOUT TRAFFIC PATTERN USING THE OUTSIDE LANES AS SHOWN ON TCP-25.

CONSTRUCT SPLITTER ISLANDS ON HIGH POINT ST LEGS OF THE ACADEMY ST ROUNDABOUT FROM STA 12+20 +/- TO STA 16+88 +/- -LREV- AND FROM STA 10+00 +/- TO STA 13+50 +/- -Y2REV-. [SEE TCP-25]

CONSTRUCT REMAINING ISLAND FOR RIGHT-IN/RIGHT-OUT ON BP/TANK N TUMMY CONVENIENCE STORE DRIVEWAY BETWEEN STA 10+43 +/- AND 11+43 +/- -LREV- AS SHOWN ON TCP-26.

STEP 8: CONSTRUCT THE PROPOSED CENTRAL ISLAND OF THE HIGH POINT ST/ACADEMY ST ROUNDABOUT. [SEE TCP-25]

STEP 9: ONCE THE CENTRAL ISLAND HAS REACHED TRAFFIC-BEARING STRENGTH AS DETERMINED BY THE ENGINEER, REVISE PAVEMENT MARKINGS TO FINAL TWO-LANE ROUNDABOUT PATTERN USING PAINT. INSTALL PERMANENT SIGNING FOR TWO-LANE ROUNDABOUT OPERATION AND OPEN THE HIGH POINT ST/ACADEMY ST INTERSECTION TO TRAFFIC. [SEE SIGNING AND DELINEATION PLANS]

Phase III

OBJECTIVE:
- PLACE FINAL LAYER OF SURFACE COURSE AND FINAL MARKINGS.

PLACE FINAL LAYER OF SURFACE COURSE AND FINAL PAVEMENT MARKINGS AS FOLLOWS:

WAL-MART ROUNDABOUT

DURING AN OVERNIGHT PERIOD, TEMPORARILY CLOSE HIGH POINT ST FROM JUST EAST OF COMMONWEALTH RD TO THE WEST SIDE OF THE WAL-MART ROUNDABOUT AND DETOUR HIGH POINT ST THROUGH TRAFFIC AT US 311 AND AT ACADEMY ST BY ADAPTING THE PHASE I DETAIL SHOWN ON TCP-9 TO PHASE III CONDITIONS (SEE LN-3).

- ALTERNATELY CLOSE LANES ON THE EAST LEG OF HIGH POINT ST USING FLAGGERS STATIONED AT THE WAL-MART INTERSECTION AND AT THE ACADEMY ST INTERSECTION. PROVIDE A POLICE OFFICER(S) IN ADDITION TO THE FLAGGER AT THE ACADEMY ST INTERSECTION. REDIRECT TRAFFIC USING DRIVEWAYS THAT CONNECT TO THE CLOSED LANE OF HIGH POINT ST TO THE WAL-MART ROUNDABOUT TO THE WEST.

- TEMPORARILY CLOSE THE WAL-MART (SOUTH) LEG OF THE ROUNDABOUT AND THE BP/TANK N TUMMY (NORTH) LEG OF THE ROUNDABOUT AND REROUTE TRAFFIC TO THE ADJACENT DRIVEWAYS TO THE EAST.

REOPEN ALL ROADWAYS AND DRIVEWAYS BY THE END OF THE WORK PERIOD.

ACADEMY ST ROUNDABOUT

UTILIZE A TEMPORARY SINGLE-LANE ROUNDABOUT TRAFFIC PATTERN BY ADAPTING THE PRIOR PHASE II DETAILS SHOWN ON TCP-21 AND TCP-25 TO PHASE III CONDITIONS.

- USE RSD 1101.02, SHEETS 3 & 4 OF 9, TO ALTERNATELY CLOSE LANES ON ACADEMY ST.
- ALTERNATELY CLOSE LANES ON HIGH POINT ST BY INSTALLING DRUMS SPACED 20 FT C-C TO CHANNEL HIGH POINT ST TRAFFIC INTO ONE OF THE TWO LANES APPROACHING OR DEPARTING THE INTERSECTION.
- SUBJECT TO THE ENGINEER'S APPROVAL, THE CONTRACTOR MAY DIVERT ACADEMY ST "LEFT TURNS" AND THROUGH TRAFFIC AS WELL AS HIGH POINT ST "LEFT TURNS" TO THE TIGERS DEN ROUNDABOUT TO THE EAST AND THE WAL-MART ROUNDABOUT TO THE WEST. DOING SO WILL PERMIT SUCH TRAFFIC TO BYPASS SOME CONSTRUCTION WITHIN THE ROUNDABOUT CIRCULATORY ROADWAY BY MAKING U-TURNS AT THE ADJACENT ROUNDABOUTS TO CONTINUE ON THEIR ROUTE.
- PROVIDE A POLICE OFFICER(S) TO ASSIST WITH DIRECTING TRAFFIC WITHIN THE HIGH POINT ST/ACADEMY ST INTERSECTION.

REOPEN ALL LANES TO TRAFFIC BY THE END OF THE OVERNIGHT WORK PERIOD.

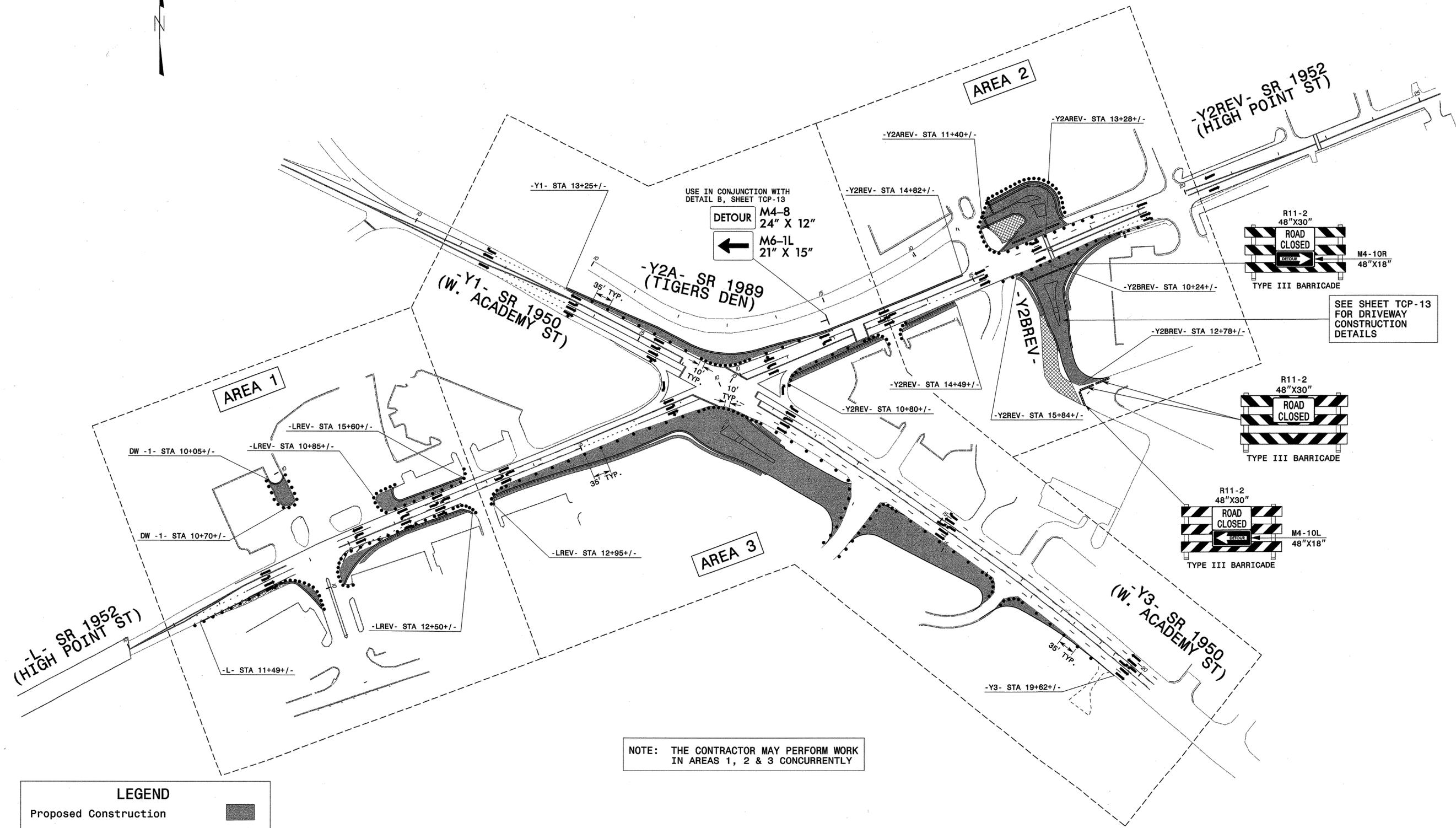
TIGERS DEN ROUNDABOUT

DURING AN OVERNIGHT PERIOD, TEMPORARILY CLOSE HIGH POINT ST FROM EAST AND WEST OF THE TIGERS DEN ROUNDABOUT AND DETOUR HIGH POINT ST THROUGH TRAFFIC AT MAIN ST AND AT ACADEMY ST BY ADAPTING THE PHASE I DETAIL SHOWN ON TCP-14 TO PHASE III CONDITIONS (SEE LN-3).

- TEMPORARILY CLOSE THE LOWES FOODS SHOPPING CENTER (SOUTH) LEG OF THE ROUNDABOUT.
- TEMPORARILY CLOSE THE HARDEE'S AND CAR WASH DRIVEWAYS DURING FLAGGING OPERATION AND MAINTAIN ACCESS TO THESE PROPERTIES VIA THEIR DRIVEWAYS ON ACADEMY ST.
- ALTERNATELY CLOSE LANES ON THE EAST LEG OF HIGH POINT ST USING FLAGGERS STATIONED AT THE TIGERS DEN INTERSECTION AND AT THE ACADEMY ST INTERSECTION. PROVIDE A POLICE OFFICER(S) IN ADDITION TO THE FLAGGER AT THE ACADEMY ST INTERSECTION.
- USE FLAGGERS TO ALTERNATELY CLOSE LANES ON THE TIGERS DEN (NORTH) LEG OF THE ROUNDABOUT AND THE EAST LEG (HIGH POINT ST).

REOPEN ALL ROADWAYS AND DRIVEWAYS BY THE END OF THE WORK PERIOD.

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LEGEND

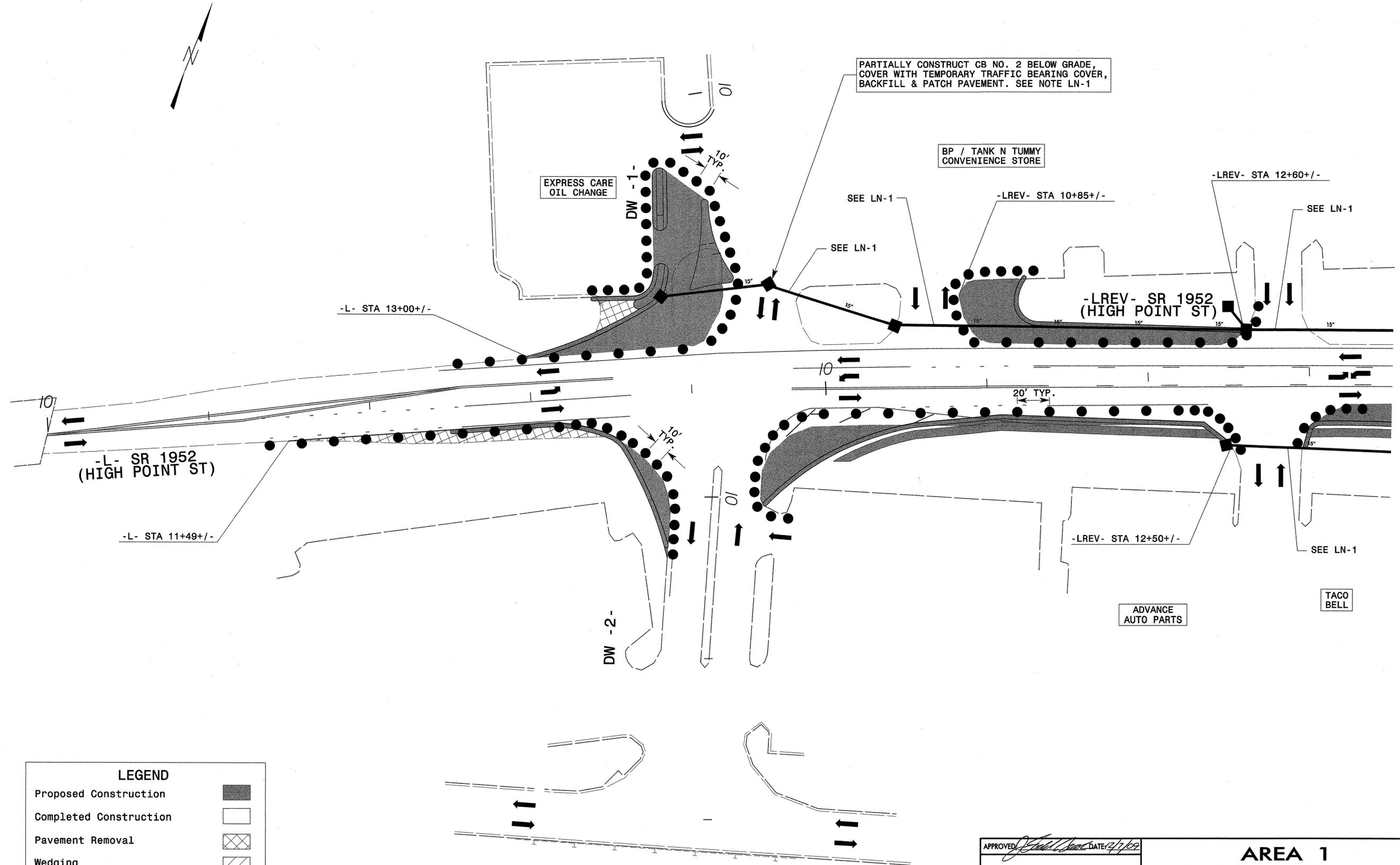
Proposed Construction	
Completed Construction	
Pavement Removal	
Wedging	
Traffic Flow	
Construction Drums	

NOTE: THE CONTRACTOR MAY PERFORM WORK IN AREAS 1, 2 & 3 CONCURRENTLY

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PBSJ 1616 EAST MILLBROOK ROAD, SUITE 310
 RALEIGH, NORTH CAROLINA 27609
 PHONE: (919) 876-6888

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 18566 AT RAL200461



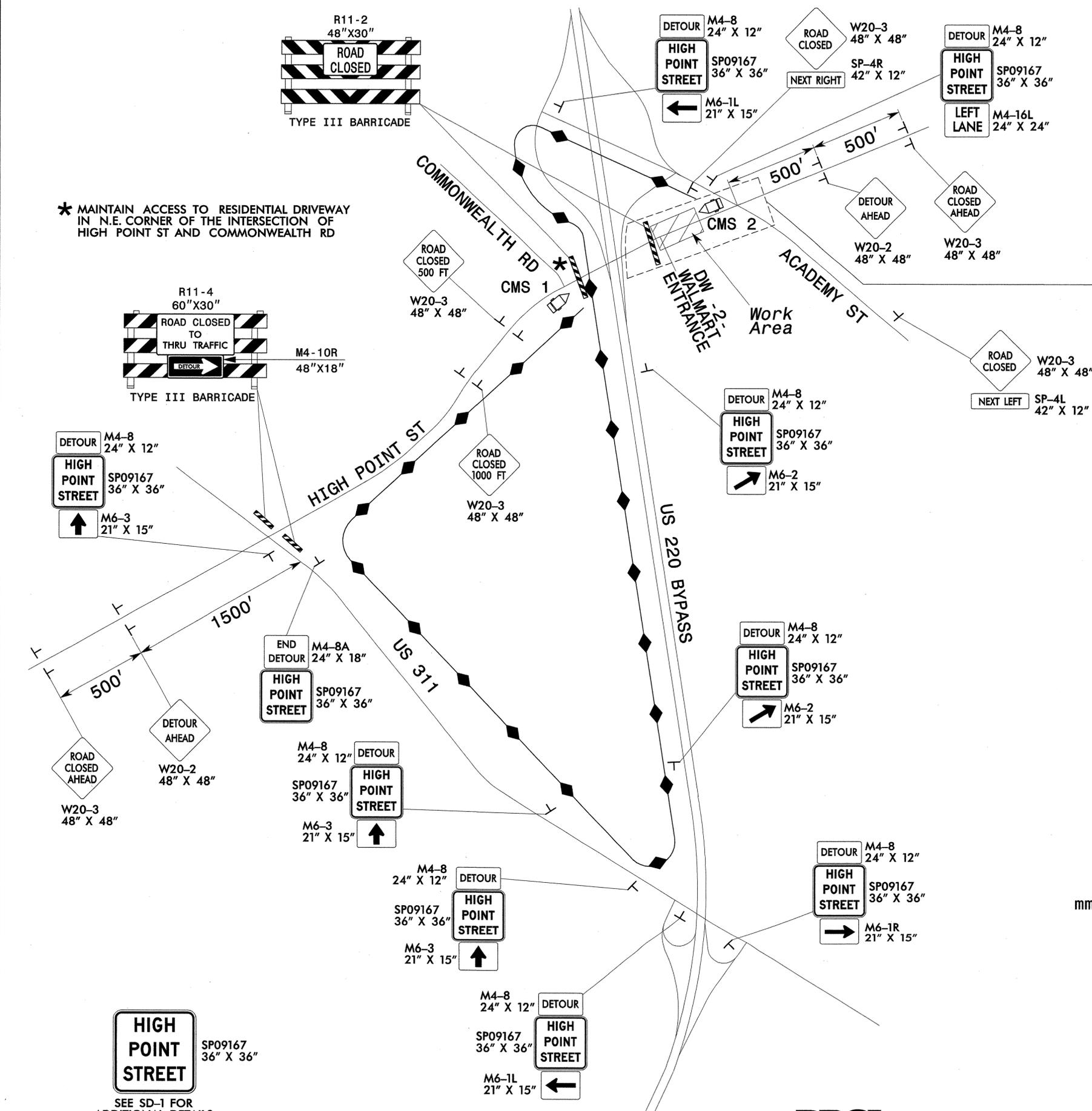
LEGEND	
Proposed Construction	
Completed Construction	
Pavement Removal	
Wedging	
Traffic Flow	
Construction Drums	

APPROVED:	DATE: 12/1/09	AREA 1 PHASE I DETAIL 1	
SEAL:	SCALE: 1:30		
	DESIGN BY: BSLM		
	REVIEWED BY: JTB		
		REVISIONS	

PBS&J 1616 EAST MILLBROOK ROAD, SUITE 310
 RALEIGH, NORTH CAROLINA 27609
 PHONE: (919) 876-6888

07-DEC-2009 17:41
 G:\TEG\Curr\10001526 - High Point Road\TCP\top08.dgn
 18566 AT RAL2004601

* MAINTAIN ACCESS TO RESIDENTIAL DRIVEWAY IN N.E. CORNER OF THE INTERSECTION OF HIGH POINT ST AND COMMONWEALTH RD



SEE TCP-10 THRU TCP-12 FOR ADDITIONAL DETAILS

7-CALENDAR DAY ROAD CLOSURE FOR CONSTRUCTION OF DW -2- WAL-MART ENTRANCE ROUNDABOUT (SEE LN-3)
USE WITH TCP-10 THRU TCP-12

CMS 1 & 2
SEE LN-2

MESSAGE NO. 1	MESSAGE NO. 2
HIGH PT CLOSED AT US220	mmm dd TO mmm dd

CHANGEABLE MESSAGE SIGN

DISPLAY FOR ONE-WEEK IN ADVANCE OF 7-DAY ROAD CLOSURE
mmm = 3-LETTER ABBREVIATION FOR MONTH
dd = 2-DIGIT NUMBER FOR DATE

HIGH POINT STREET SP09167 36" X 36"
SEE SD-1 FOR ADDITIONAL DETAILS

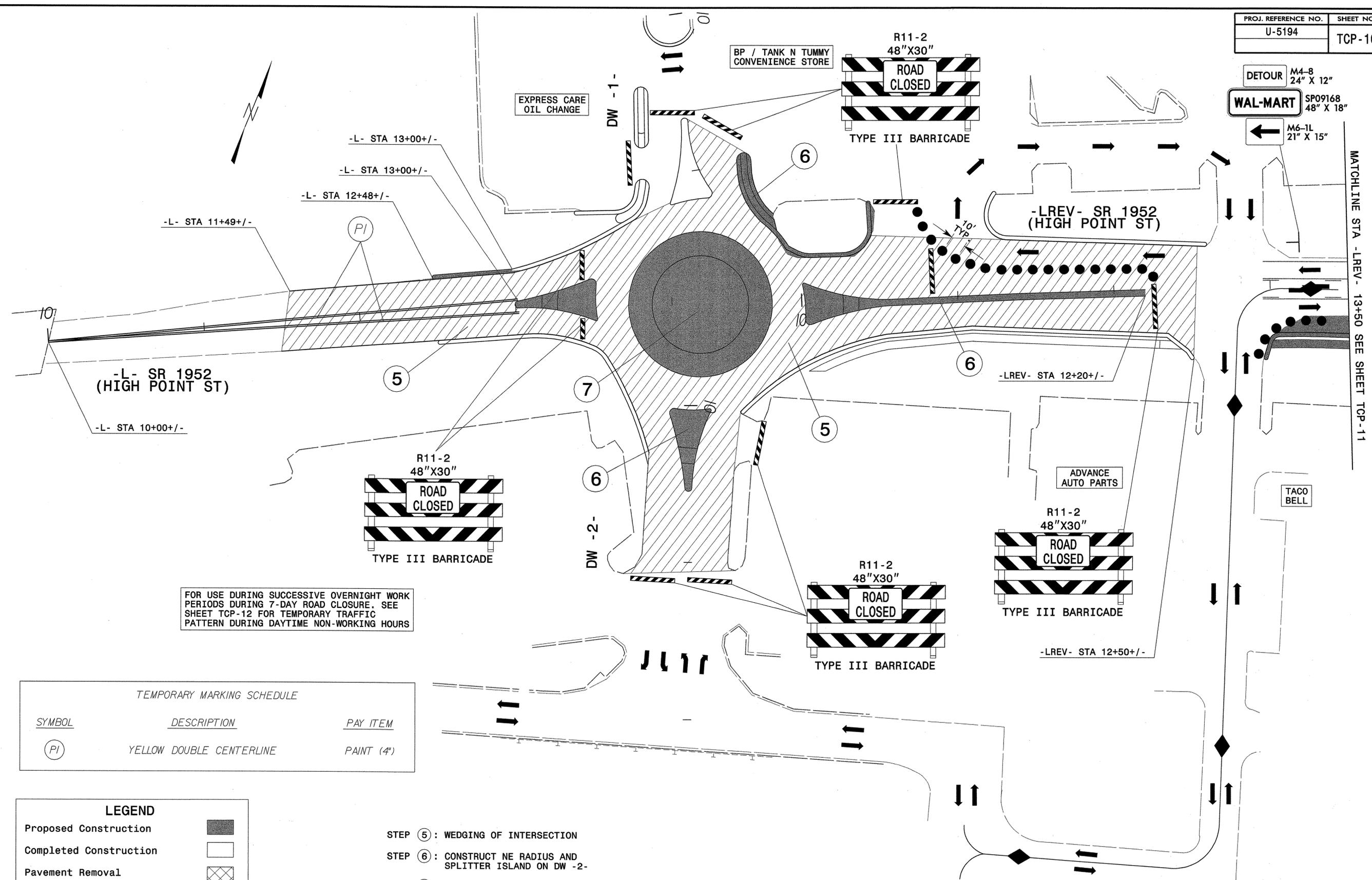
APPROVED: *[Signature]* DATE: 12/7/09

SEAL:

**AREA 1
PHASE I DETOUR 1**

SCALE: NONE	REVISIONS
DATE: 12/01/09	
DWG. BY: BSLM	
DESIGN BY: BSLM	
REVIEWED BY: JTB	

07-DEC-2009 17:41 G:\TECH\Curp\10001526 - High Point Road\TCP\top09.dgn 18566 AT RAL2004GDI



FOR USE DURING SUCCESSIVE OVERNIGHT WORK PERIODS DURING 7-DAY ROAD CLOSURE. SEE SHEET TCP-12 FOR TEMPORARY TRAFFIC PATTERN DURING DAYTIME NON-WORKING HOURS

TEMPORARY MARKING SCHEDULE		
SYMBOL	DESCRIPTION	PAY ITEM
(PI)	YELLOW DOUBLE CENTERLINE	PAINT (4')

LEGEND	
Proposed Construction	
Completed Construction	
Pavement Removal	
Wedging	
Traffic Flow	
Construction Drums	
Detour Route	

- STEP ⑤ : WEDGING OF INTERSECTION
- STEP ⑥ : CONSTRUCT NE RADIUS AND SPLITTER ISLAND ON DW -2-
- STEP ⑦ : CONSTRUCT CENTRAL AND SPLITTER ISLAND ON EAST LEG (IF NOT BUILT IN STEP 2)

APPROVED: DATE: 12/7/09

SEAL

**AREA 1
PHASE I DETAIL 2**

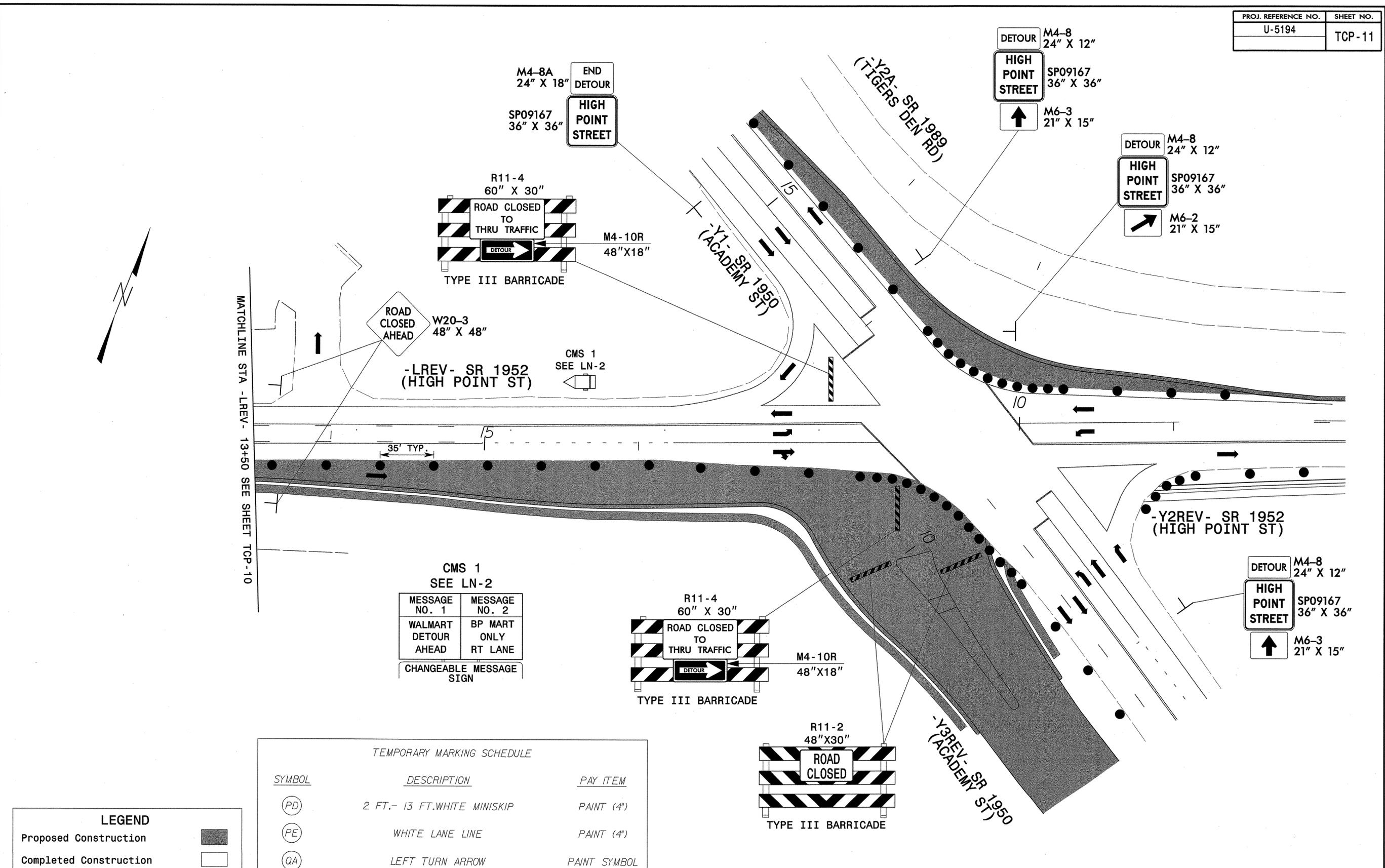
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DATE:	12/01/09
DWG. BY:	BS/LM
DESIGN BY:	BS/LM
REVIEWED BY:	JTB

REVISIONS	

07-DEC-2009 17:41 G:\TECH\Curf\0001526 - High Point Road\TCP\top10.dgn 18566 AT RAL2004GDI

PBS&J 1616 EAST MILLBROOK ROAD, SUITE 310
RALEIGH, NORTH CAROLINA 27609
PHONE: (919) 876-6888

MATCHLINE STA - LREV - 13+50 SEE SHEET TCP-11



MATCHLINE STA -LREV- 13+50 SEE SHEET TCP-10

CMS 1
SEE LN-2

MESSAGE NO. 1	MESSAGE NO. 2
WALMART DETOUR AHEAD	BP MART ONLY RT LANE

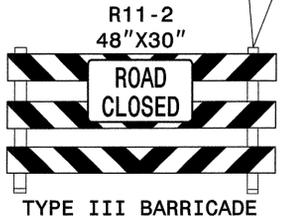
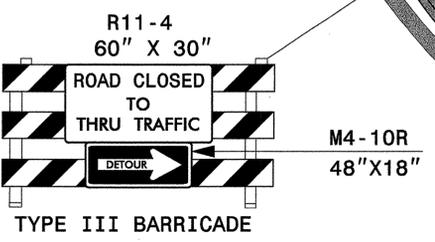
CHANGEABLE MESSAGE SIGN

TEMPORARY MARKING SCHEDULE

SYMBOL	DESCRIPTION	PAY ITEM
(PD)	2 FT.- 13 FT. WHITE MINISKIP	PAINT (4")
(PE)	WHITE LANE LINE	PAINT (4")
(QA)	LEFT TURN ARROW	PAINT SYMBOL
(QC)	STRAIGHT ARROW	PAINT SYMBOL
(QD)	COMBO STRAIGHT LEFT ARROW	PAINT SYMBOL
(QI)	ALPHANUMERIC CHARACTER	PAINT SYMBOL

LEGEND

Proposed Construction	
Completed Construction	
Pavement Removal	
Wedging	
Traffic Flow	
Construction Drums	



07-DEC-2009 17:41 G:\TEG\Curr\10001526 - High Point Road\TCP\topll.dgn 18566 AT RAL20046D1

PBS&J 1616 EAST MILLBROOK ROAD, SUITE 310
RALEIGH, NORTH CAROLINA 27609
PHONE: (919) 876-6888

APPROVED: DATE: 12/7/09

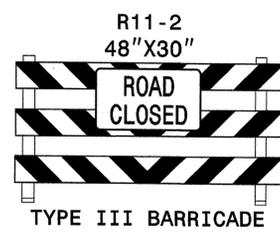
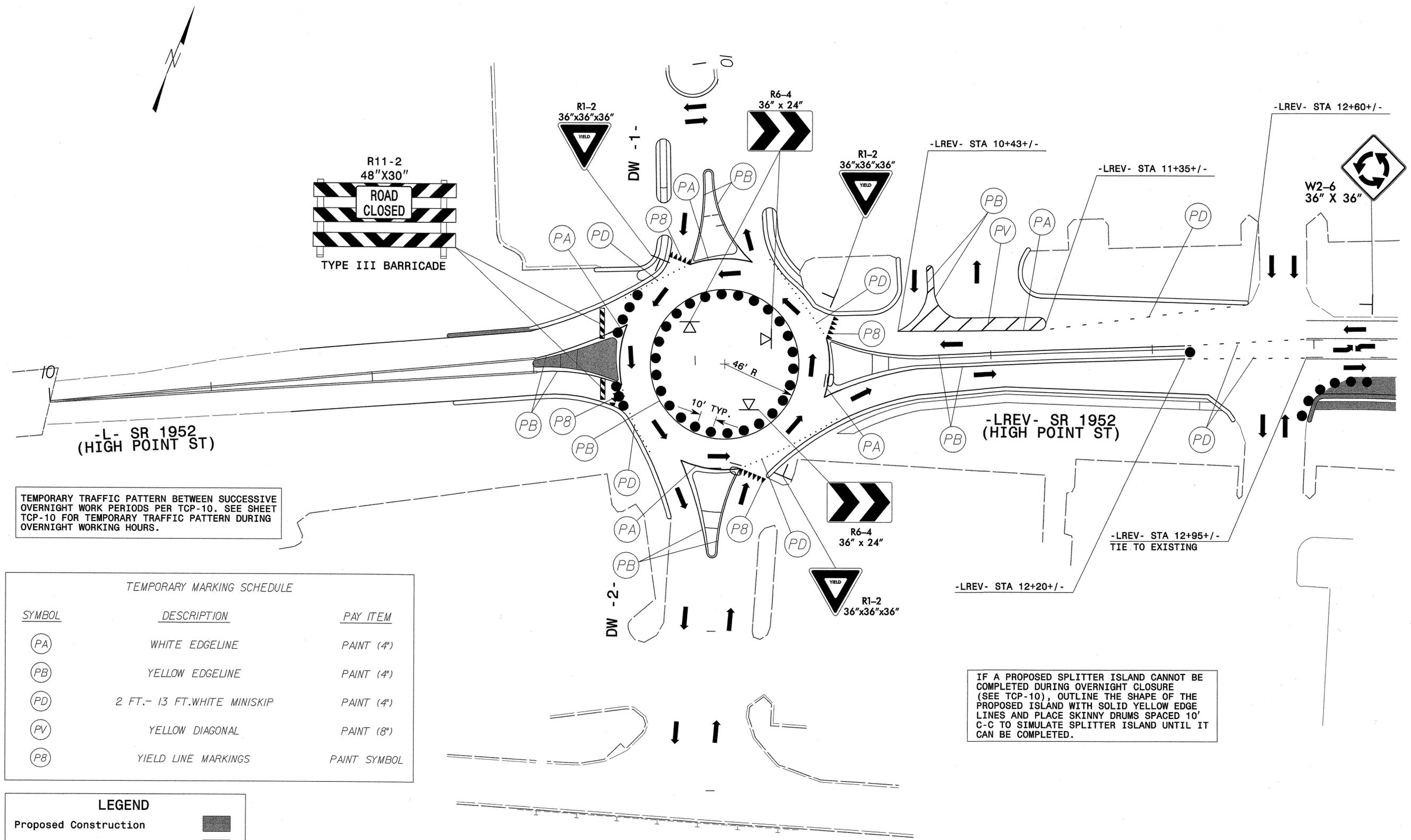
SEAL
NORTH CAROLINA PROFESSIONAL ENGINEERS
J. TODD BROOKS

**AREA 1
PHASE I DETAIL 2**

SCALE:	1:30
DATE:	12/01/09
DWG. BY:	BS/LM
DESIGN BY:	BS/LM
REVIEWED BY:	JTB

REVISIONS

CARD FILE



TEMPORARY TRAFFIC PATTERN BETWEEN SUCCESSIVE OVERNIGHT WORK PERIODS PER TCP-10. SEE SHEET TCP-10 FOR TEMPORARY TRAFFIC PATTERN DURING OVERNIGHT WORKING HOURS.

TEMPORARY MARKING SCHEDULE		
SYMBOL	DESCRIPTION	PAY ITEM
(PA)	WHITE EDGELINE	PAINT (4")
(PB)	YELLOW EDGELINE	PAINT (4")
(PD)	2 FT.- 13 FT. WHITE MINISKIP	PAINT (4")
(PV)	YELLOW DIAGONAL	PAINT (8")
(P8)	YIELD LINE MARKINGS	PAINT SYMBOL

LEGEND	
Proposed Construction	
Completed Construction	
Pavement Removal	
Wedging	
Traffic Flow	
Construction Drums	

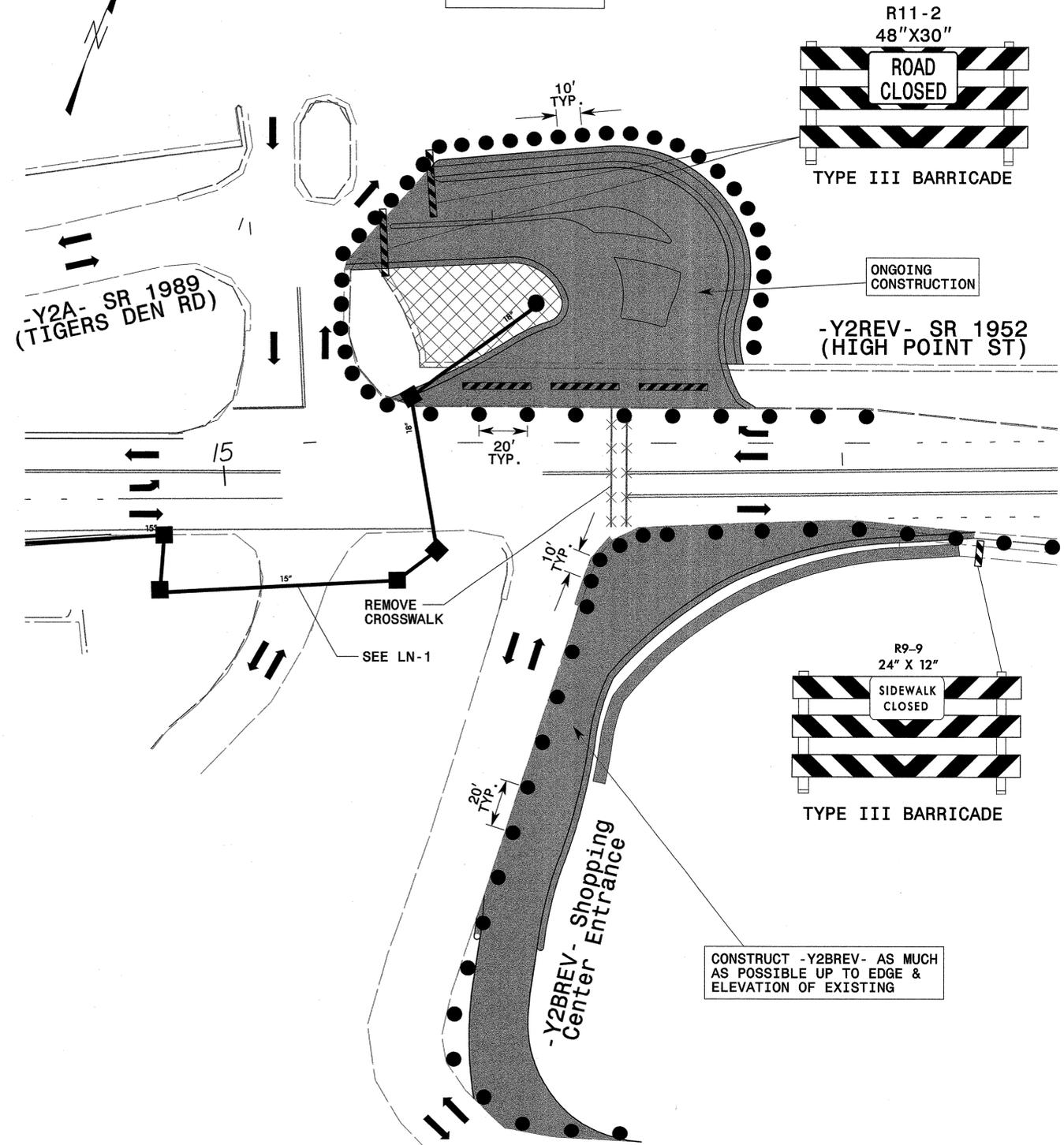
IF A PROPOSED SPLITTER ISLAND CANNOT BE COMPLETED DURING OVERNIGHT CLOSURE (SEE TCP-10), OUTLINE THE SHAPE OF THE PROPOSED ISLAND WITH SOLID YELLOW EDGE LINES AND PLACE SKINNY DRUMS SPACED 10' C-C TO SIMULATE SPLITTER ISLAND UNTIL IT CAN BE COMPLETED.

07-DEC-2009 17:41 G:\TEG\Curr\10001526 - High Point Road\TCP\top12.dgn 18566 AT RAL2004601

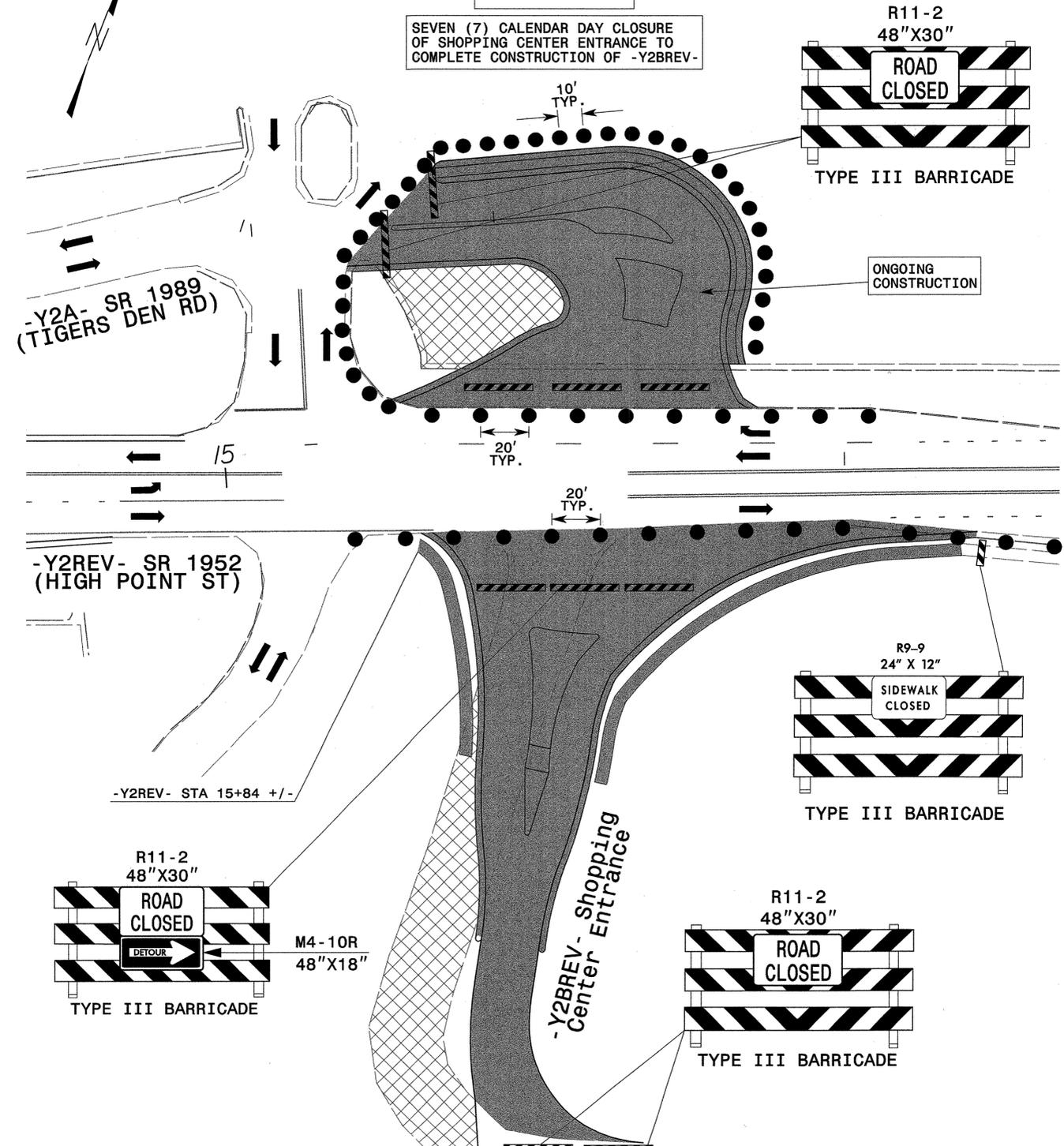
PBSJ 1616 EAST MILLBROOK ROAD, SUITE 310
RALEIGH, NORTH CAROLINA 27609
PHONE: (919) 876-6888

APPROVED:	DATE: 12/7/09	AREA 1 PHASE I DETAIL 3							
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REVISIONS									
DWG. BY: BSLM	DESIGN BY: BSLM	REVIEWED BY: JTB	CADD FILE						

DETAIL A



DETAIL B



LEGEND

Proposed Construction	
Completed Construction	
Pavement Removal	
Wedging	
Traffic Flow	
Construction Drums	

APPROVED: *[Signature]* DATE: 12/7/09

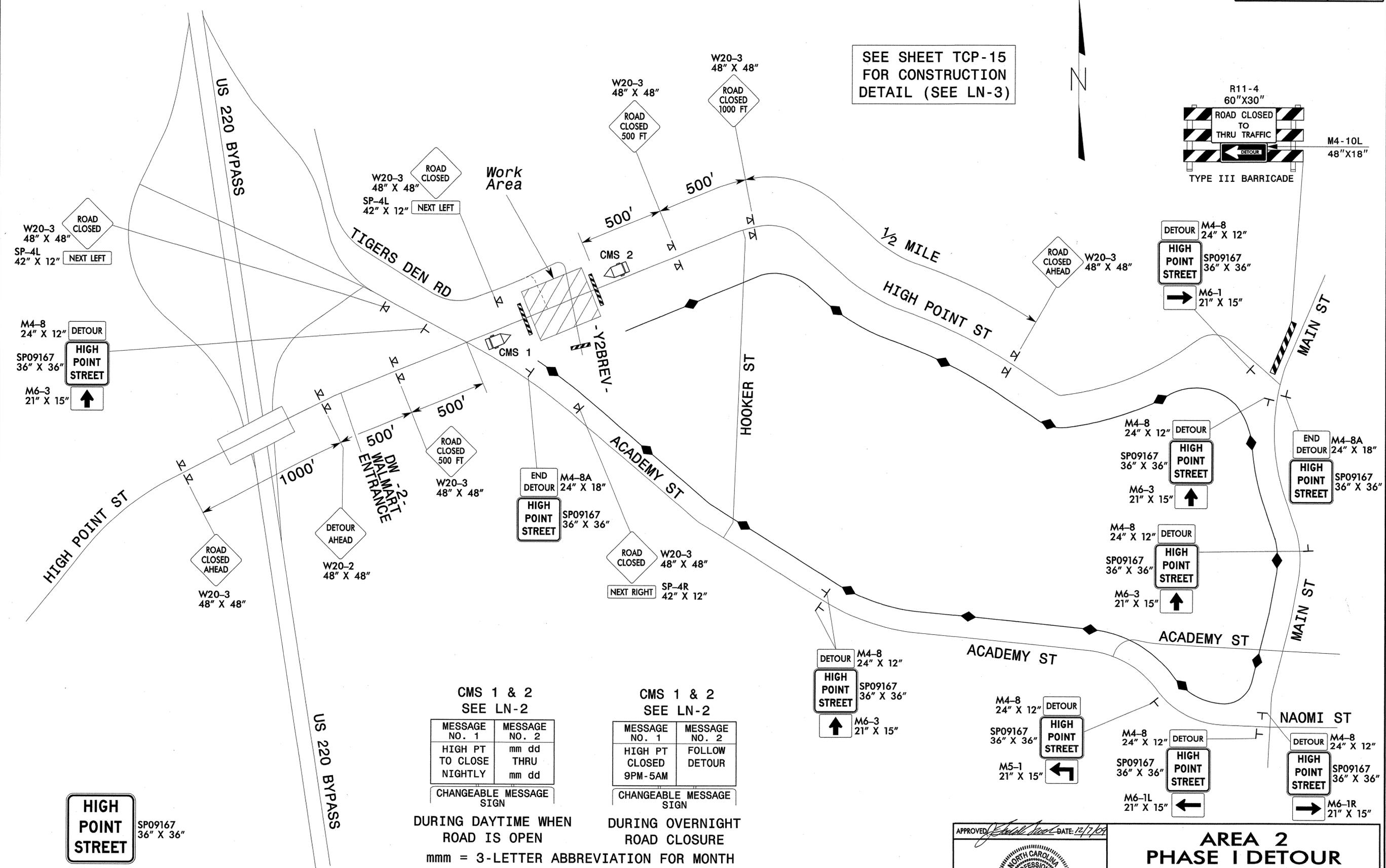
SEAL

NORTH CAROLINA PROFESSIONAL ENGINEER SEAL 17886 J. ODD BROOKS

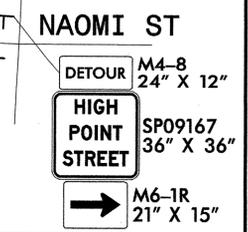
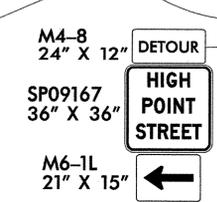
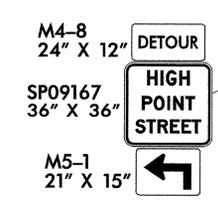
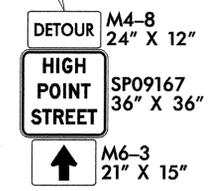
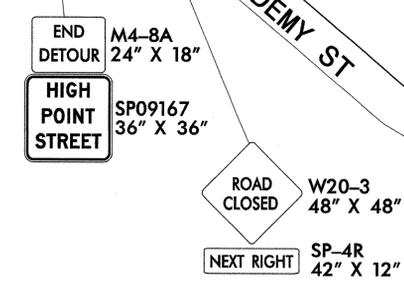
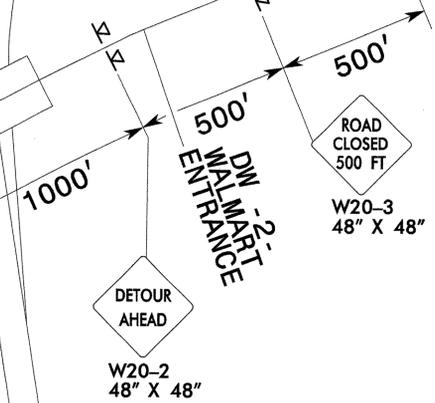
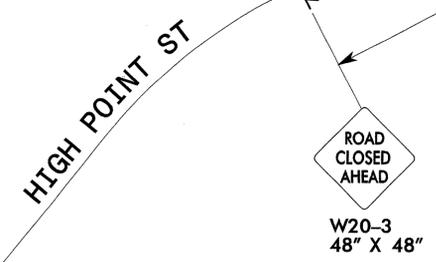
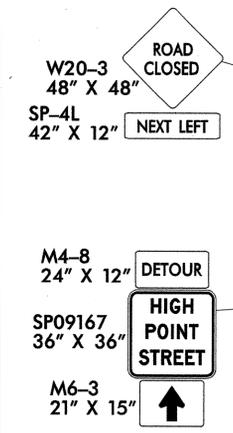
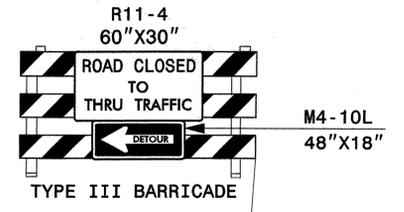
AREA 2 PHASE I DETAIL 1

SCALE: 1:30		REVISIONS
DATE: 12/01/09		
DWG. BY: BS/LM		
DESIGN BY: BS/LM		
REVIEWED BY: JTB		

07-DEC-2009 17:41
 G:\TEG\Curr\N0001526 - High Point Road\TCP\Top13.dgn
 18566 AT RAL200460



SEE SHEET TCP-15
FOR CONSTRUCTION
DETAIL (SEE LN-3)



CMS 1 & 2
SEE LN-2

MESSAGE NO. 1	MESSAGE NO. 2
HIGH PT TO CLOSE NIGHTLY	mm dd THRU mm dd

CHANGEABLE MESSAGE SIGN

DURING DAYTIME WHEN ROAD IS OPEN
mmm = 3-LETTER ABBREVIATION FOR MONTH
dd = 2-DIGIT NUMBER FOR DATE

CMS 1 & 2
SEE LN-2

MESSAGE NO. 1	MESSAGE NO. 2
HIGH PT CLOSED 9PM-5AM	FOLLOW DETOUR

CHANGEABLE MESSAGE SIGN

DURING OVERNIGHT ROAD CLOSURE

PBS&J 1616 EAST MILLBROOK ROAD, SUITE 310
RALEIGH, NORTH CAROLINA 27609
PHONE: (919) 876-6888

APPROVED: *[Signature]* DATE: 12/7/09

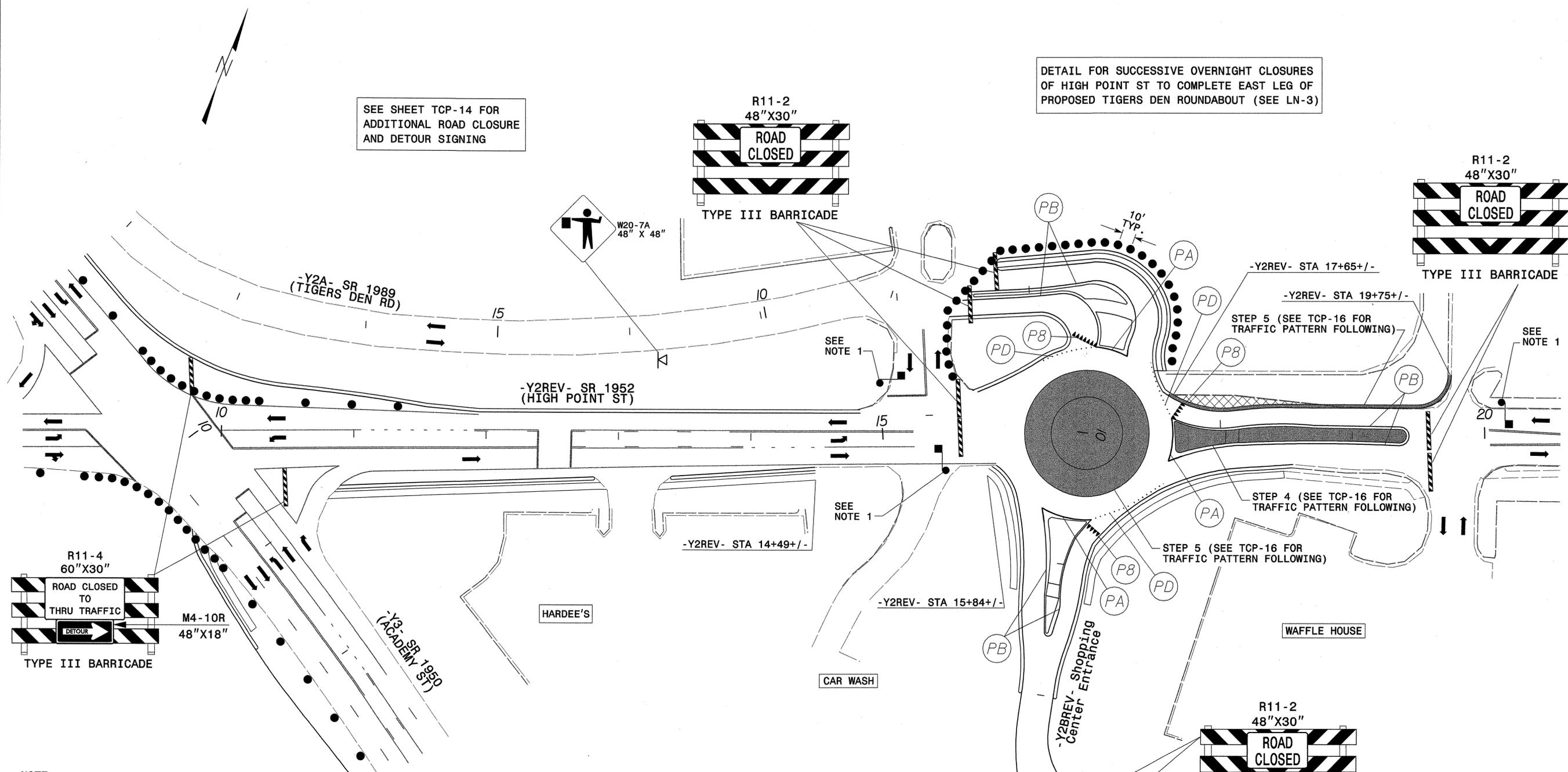
SEAL: NORTH CAROLINA PROFESSIONAL ENGINEER SEAL 17886 J. TODD BROOKS

**AREA 2
PHASE I DETOUR**

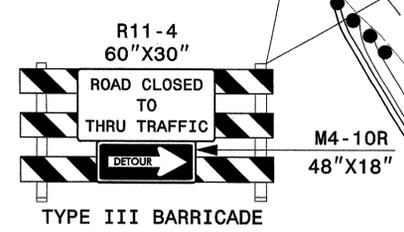
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DESIGN BY:	BSLM	
REVIEWED BY:	JTB	CADD FILE

07-DEC-2009 17:41 G:\TEG\Curr\10001526 - High Point Road\TCP\top14.dgn 18566 AT:RAL2004GDI

DETAIL FOR SUCCESSIVE OVERNIGHT CLOSURES OF HIGH POINT ST TO COMPLETE EAST LEG OF PROPOSED TIGERS DEN ROUNDABOUT (SEE LN-3)



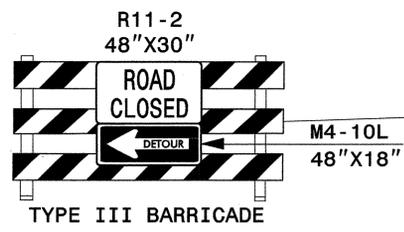
SEE SHEET TCP-14 FOR ADDITIONAL ROAD CLOSURE AND DETOUR SIGNING



NOTE
1. PROVIDE FLAGGERS TO FACILITATE LOCAL TRAFFIC ACCESS THROUGH WORK AREA TO -Y2A- TIGERS DEN RD AND TO WAFFLE HOUSE.

LEGEND	
Proposed Construction	
Completed Construction	
Pavement Removal	
Wedging	
Traffic Flow	
Construction Drums	

TEMPORARY MARKING SCHEDULE		
SYMBOL	DESCRIPTION	PAY ITEM
(PA)	WHITE EDGELINE	PAINT (4")
(PB)	YELLOW EDGELINE	PAINT (4")
(PD)	2 FT.- 13 FT. WHITE MINISKIP	PAINT (4")
(P8)	YIELD LINE MARKINGS	PAINT SYMBOL



APPROVED: DATE: 12/1/09

SEAL:

**AREA 2
PHASE I DETAIL 2**

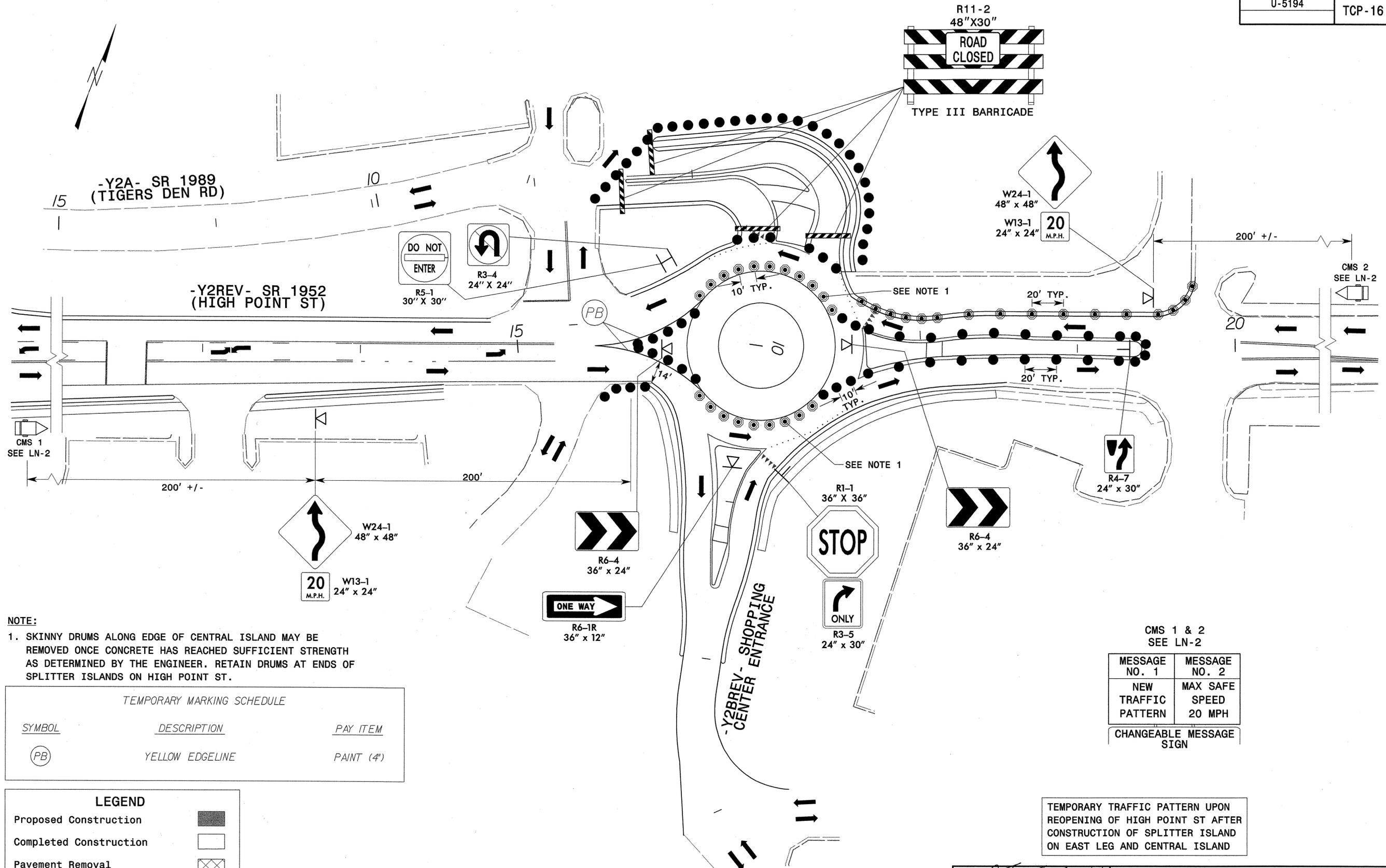
SCALE: 1:40
DATE: 12/01/09
DWG. BY: BSLM
DESIGN BY: BSLM
REVIEWED BY: JTB

REVISIONS

CADD FILE

PBS&J 1616 EAST MILLBROOK ROAD, SUITE 310
RALEIGH, NORTH CAROLINA 27609
PHONE: (919) 876-6888

07-DEC-2009 17:41 G:\TECH\Curr\10001526 - High Point Road\TCP\top15.dgn 18566 AT RAL2004GDI



NOTE:
 1. SKINNY DRUMS ALONG EDGE OF CENTRAL ISLAND MAY BE REMOVED ONCE CONCRETE HAS REACHED SUFFICIENT STRENGTH AS DETERMINED BY THE ENGINEER. RETAIN DRUMS AT ENDS OF SPLITTER ISLANDS ON HIGH POINT ST.

TEMPORARY MARKING SCHEDULE		
SYMBOL	DESCRIPTION	PAY ITEM
(PB)	YELLOW EDGELINE	PAINT (4')

LEGEND	
Proposed Construction	
Completed Construction	
Pavement Removal	
Wedging	
Traffic Flow	
Construction Drums	
Skinny Drums	

CMS 1 & 2 SEE LN-2	
MESSAGE NO. 1	MESSAGE NO. 2
NEW TRAFFIC PATTERN	MAX SAFE SPEED 20 MPH
CHANGEABLE MESSAGE SIGN	

TEMPORARY TRAFFIC PATTERN UPON REOPENING OF HIGH POINT ST AFTER CONSTRUCTION OF SPLITTER ISLAND ON EAST LEG AND CENTRAL ISLAND

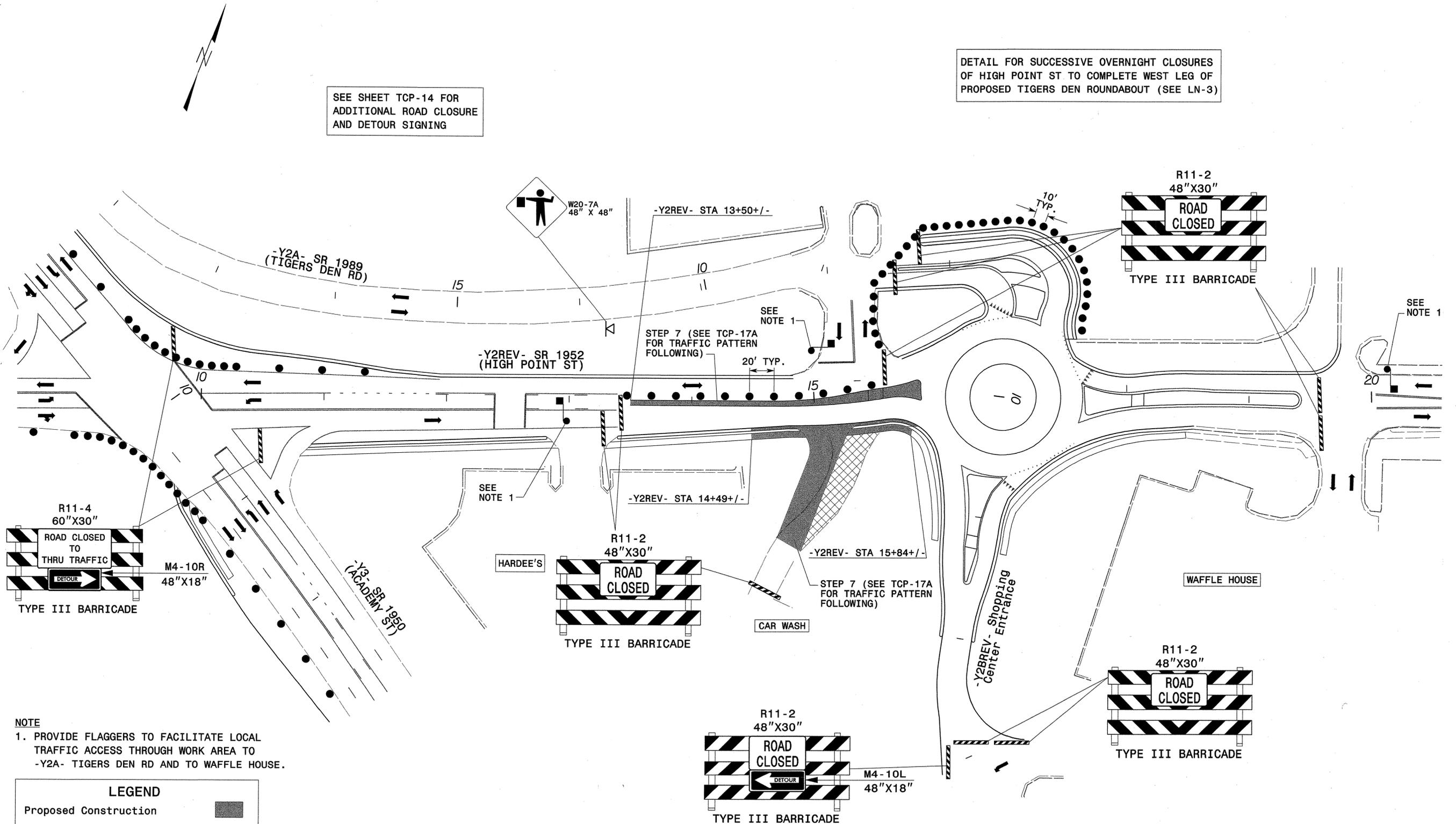
APPROVED:	DATE: 12/7/09	AREA 2 PHASE I DETAIL 3	
SEAL:			
SCALE: 1:30	DATE: 12/01/09		REVISIONS
DWG. BY: BS/LM	DESIGN BY: BS/LM		
REVIEWED BY: JTB			

PBSJ 1616 EAST MILLBROOK ROAD, SUITE 310
 RALEIGH, NORTH CAROLINA 27609
 PHONE: (919) 876-6888

07-DEC-2009 17:41
 G:\TEG\Curr\10001526 - High Point Road\TCP\top16.dgn
 18566 AT RAL2004GDI

DETAIL FOR SUCCESSIVE OVERNIGHT CLOSURES OF HIGH POINT ST TO COMPLETE WEST LEG OF PROPOSED TIGERS DEN ROUNDABOUT (SEE LN-3)

SEE SHEET TCP-14 FOR ADDITIONAL ROAD CLOSURE AND DETOUR SIGNING



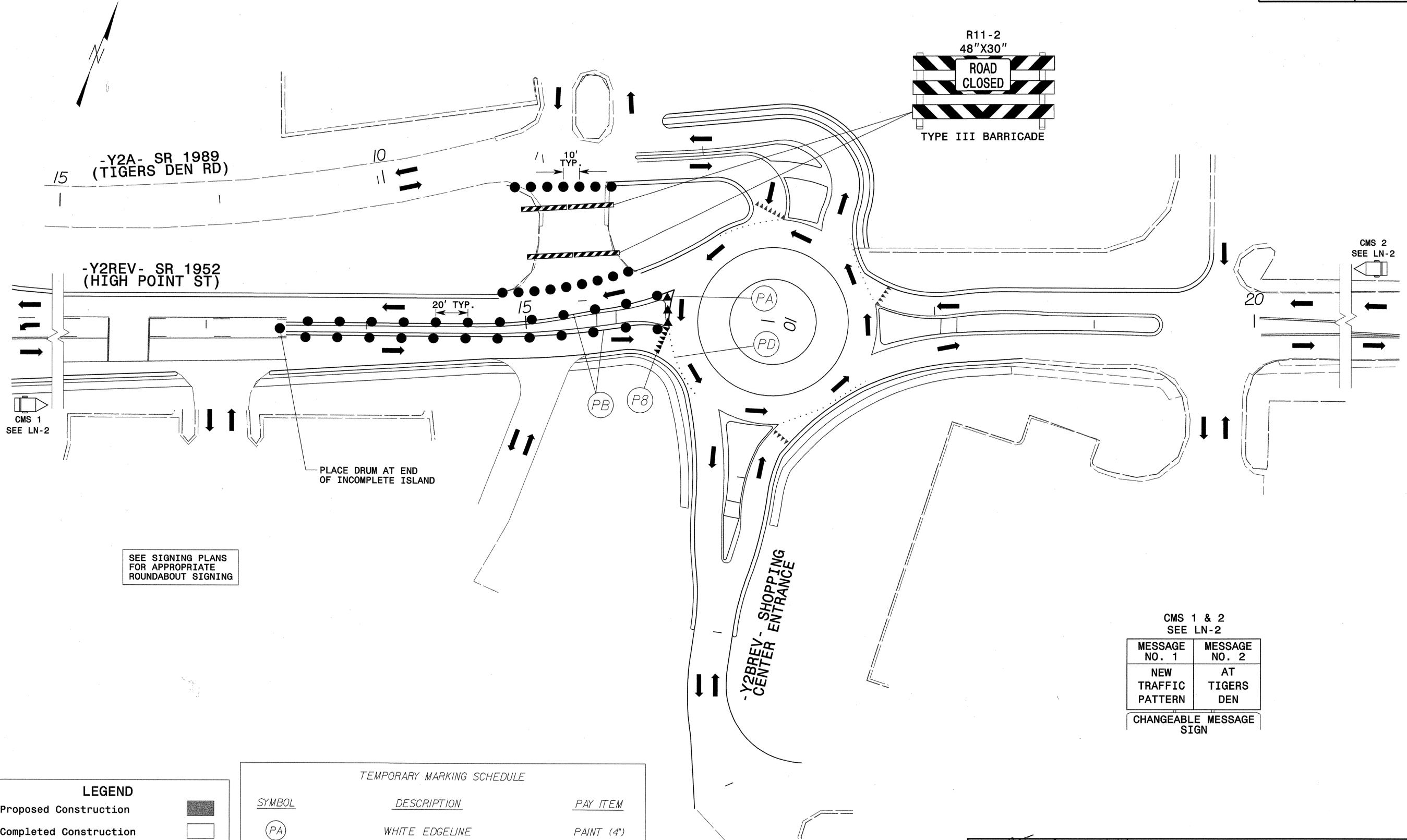
NOTE
 1. PROVIDE FLAGGERS TO FACILITATE LOCAL TRAFFIC ACCESS THROUGH WORK AREA TO -Y2A- TIGERS DEN RD AND TO WAFFLE HOUSE.

LEGEND	
Proposed Construction	
Completed Construction	
Pavement Removal	
Wedging	
Traffic Flow	
Construction Drums	

APPROVED: DATE: 12/1/09	AREA 2 PHASE I DETAIL 4									
SEAL:										
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DESIGN BY: BSLM	REVIEWED BY: JTB									
CHD FILE										

PBS&J 1616 EAST MILLBROOK ROAD, SUITE 310
 RALEIGH, NORTH CAROLINA 27609
 PHONE: (919) 876-6888

07-DEC-2009 18:11
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 18566 AT RAL20046D1



SEE SIGNING PLANS FOR APPROPRIATE ROUNDABOUT SIGNING

PLACE DRUM AT END OF INCOMPLETE ISLAND

CMS 1 & 2
SEE LN-2

MESSAGE NO. 1	MESSAGE NO. 2
NEW TRAFFIC PATTERN	AT TIGERS DEN

CHANGEABLE MESSAGE SIGN

LEGEND

Proposed Construction	
Completed Construction	
Pavement Removal	
Wedging	
Traffic Flow	
Construction Drums	

TEMPORARY MARKING SCHEDULE

SYMBOL	DESCRIPTION	PAY ITEM
(PA)	WHITE EDGELINE	PAINT (4")
(PB)	YELLOW EDGELINE	PAINT (4")
(PD)	2 FT.- 13 FT. WHITE MINISKIP	PAINT (4")
(P8)	YIELD LINE MARKINGS	PAINT SYMBOL

APPROVED: DATE: 12/7/09

SEAL

**AREA 2
PHASE I DETAIL 5**

SCALE:	1:30
DATE:	12/01/09
DWG. BY:	BSLM
DESIGN BY:	BSLM
REVIEWED BY:	JTB

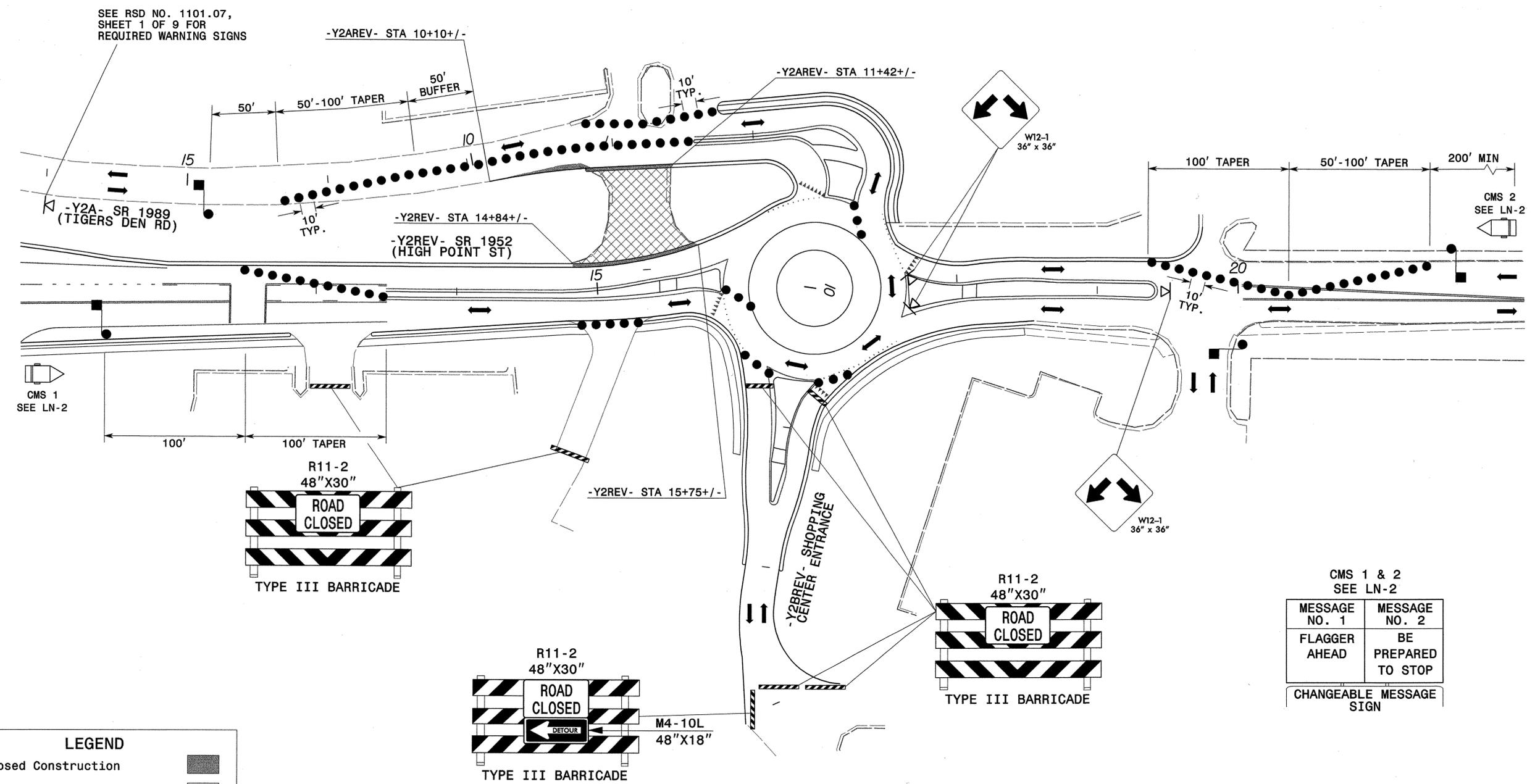
REVISIONS

CADD FILE

PBS&J 1616 EAST MILLBROOK ROAD, SUITE 310
RALEIGH, NORTH CAROLINA 27609
PHONE: (919) 876-6888

07-DEC-2009 17:41 G:\TEG\Curr\10001526 - High Point Road\TCP\Top17A.dgn 18566 AT RAL2004601

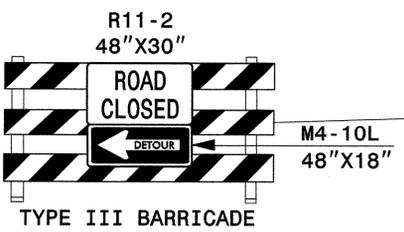
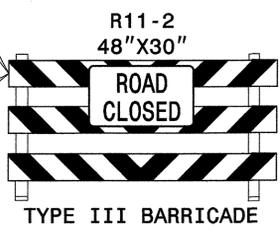
DETAIL FOR OVERNIGHT FLAGGING OPERATION
TO REMOVE FORMER TIGERS DEN RD TIE-IN AND
COMPLETE CURB & GUTTER ON TIGERS DEN RD
AND HIGH POINT ST



SEE RSD NO. 1101.07,
SHEET 1 OF 9 FOR
REQUIRED WARNING SIGNS

CMS 1
SEE LN-2

CMS 2
SEE LN-2



CMS 1 & 2
SEE LN-2

MESSAGE NO. 1	MESSAGE NO. 2
FLAGGER AHEAD	BE PREPARED TO STOP

CHANGEABLE MESSAGE SIGN

LEGEND

Proposed Construction	
Completed Construction	
Pavement Removal	
Wedging	
Traffic Flow	
Construction Drums	

APPROVED: *[Signature]* DATE: 12/17/09

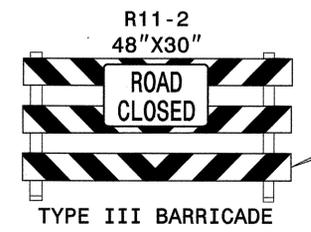
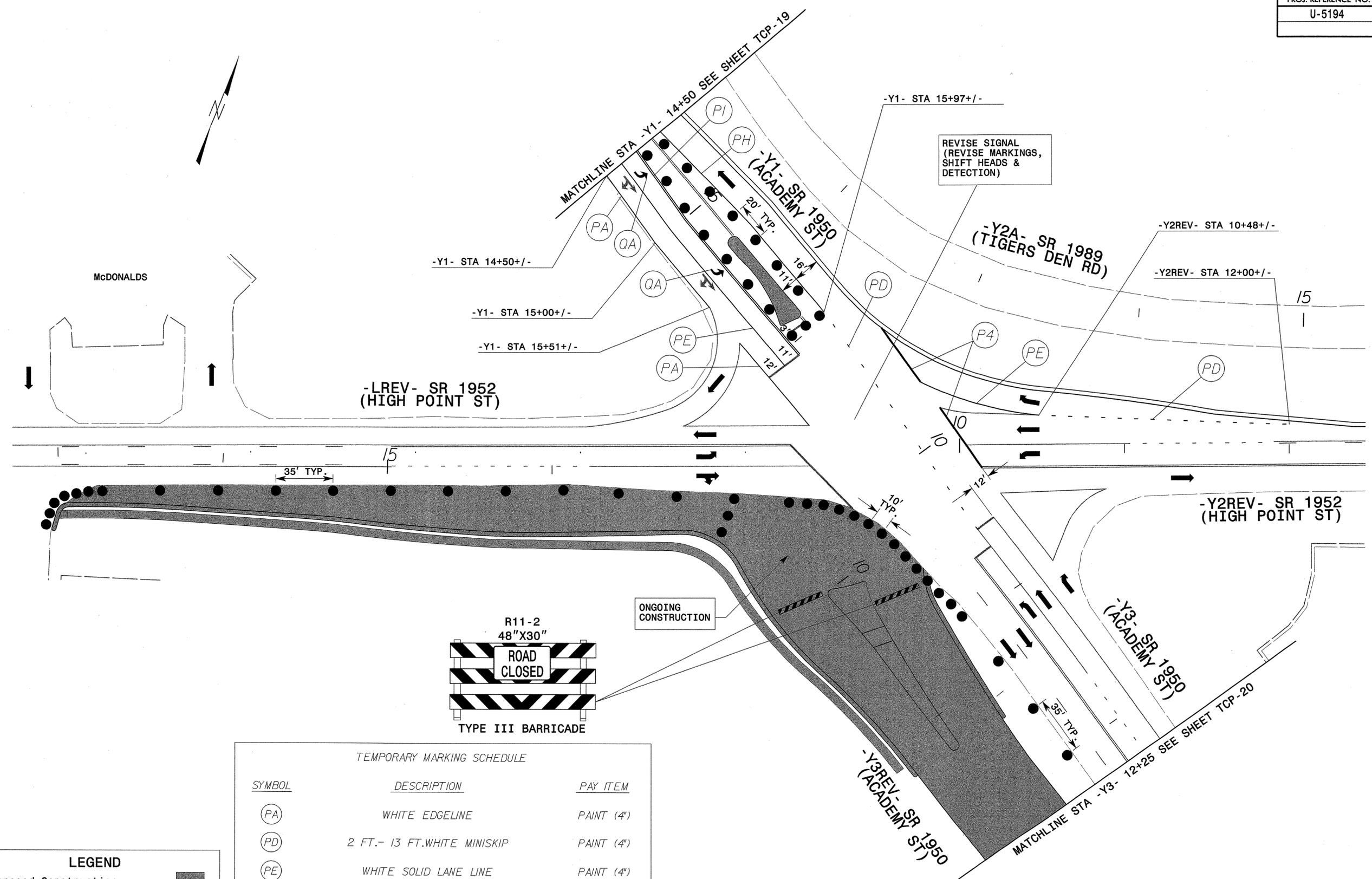
SEAL

**AREA 2
PHASE I DETAIL 6**

SCALE: 1:40		REVISIONS
DATE: 12/01/09		
DWG. BY: BSLM		
DESIGN BY: BSLM		

REVIEWED BY: JTB

07-DEC-2009 18:31
 G:\TEC\Curr\10001526 - High Point Road\TCP\top17B.dgn
 18566 AT RAL2004GDI



LEGEND	
Proposed Construction	
Completed Construction	
Pavement Removal	
Wedging	
Traffic Flow	
Construction Drums	

TEMPORARY MARKING SCHEDULE		
SYMBOL	DESCRIPTION	PAY ITEM
(PA)	WHITE EDGELINE	PAINT (4")
(PD)	2 FT.- 13 FT. WHITE MINISKIP	PAINT (4")
(PE)	WHITE SOLID LANE LINE	PAINT (4")
(PH)	YELLOW SINGLE CENTERLINE	PAINT (4")
(PI)	YELLOW DOUBLE CENTERLINE	PAINT (4")
(P4)	WHITE STOP BAR	PAINT (24")
(QA)	LEFT TURN ARROW	PAINT SYMBOL

APPROVED: DATE: 12/7/09

SEAL:

PHASE II DETAIL 1

SCALE: 1:30

DATE: 12/01/09

DWG. BY: BSLM

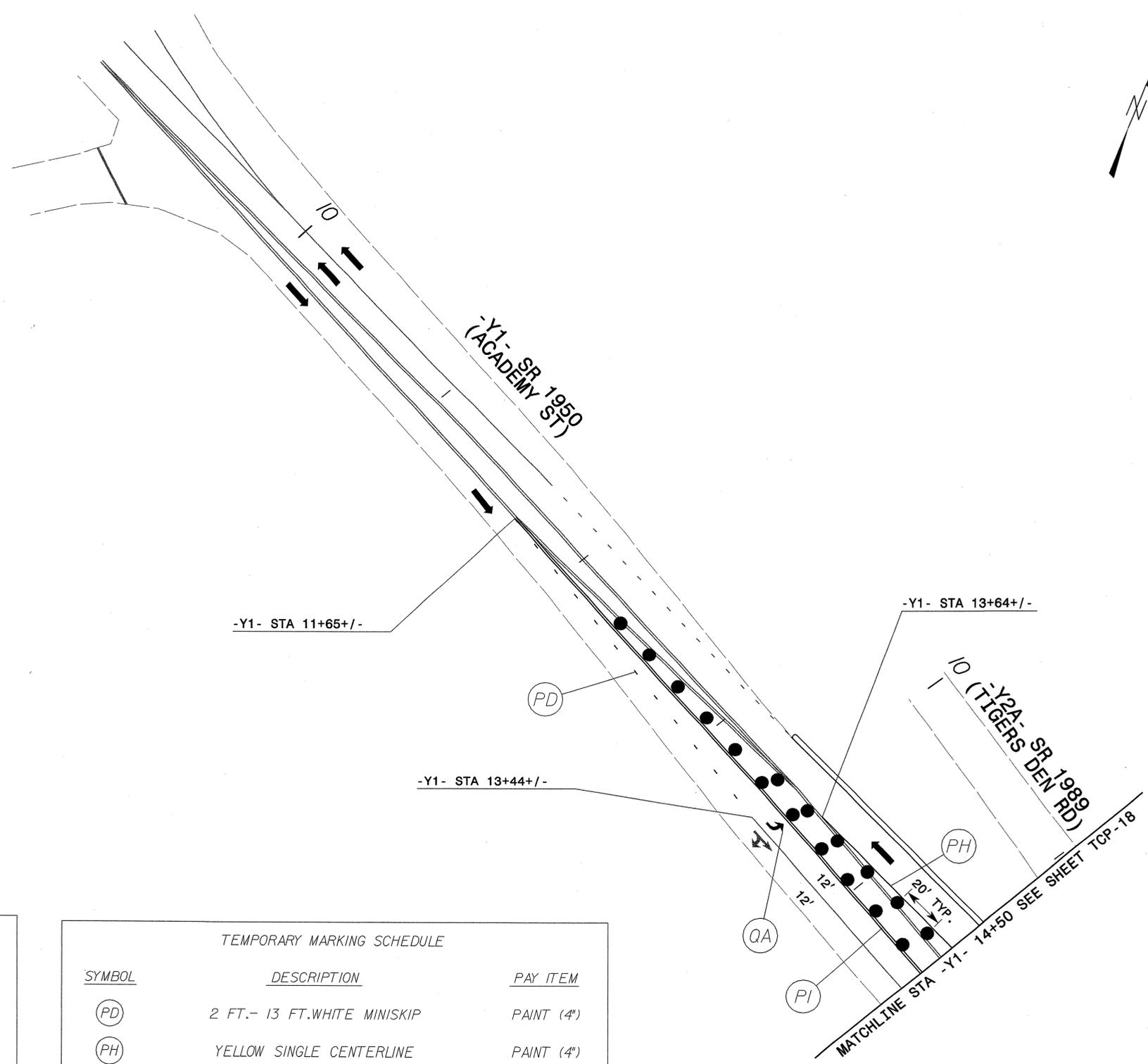
DESIGN BY: BSLM

REVIEWED BY: JTB

REVISIONS	

PBS&J 1616 EAST MILLBROOK ROAD, SUITE 310
 RALEIGH, NORTH CAROLINA 27609
 PHONE: (919) 876-6888

07-DEC-2009 17:42
 G:\TECH\GUPP\100011526 - High Point Road\TCP\tcp18.dgn
 18566 AT RAL2004GDI



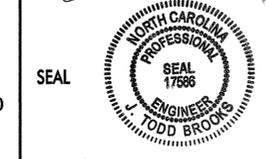
LEGEND

Proposed Construction	
Completed Construction	
Pavement Removal	
Wedging	
Traffic Flow	
Construction Drums	

TEMPORARY MARKING SCHEDULE

SYMBOL	DESCRIPTION	PAY ITEM
(PD)	2 FT.- 13 FT. WHITE MINISKIP	PAINT (4")
(PH)	YELLOW SINGLE CENTERLINE	PAINT (4")
(PI)	YELLOW DOUBLE CENTERLINE	PAINT (4")
(QA)	LEFT TURN ARROW	PAINT SYMBOL

APPROVED: *[Signature]* DATE: 12/7/09

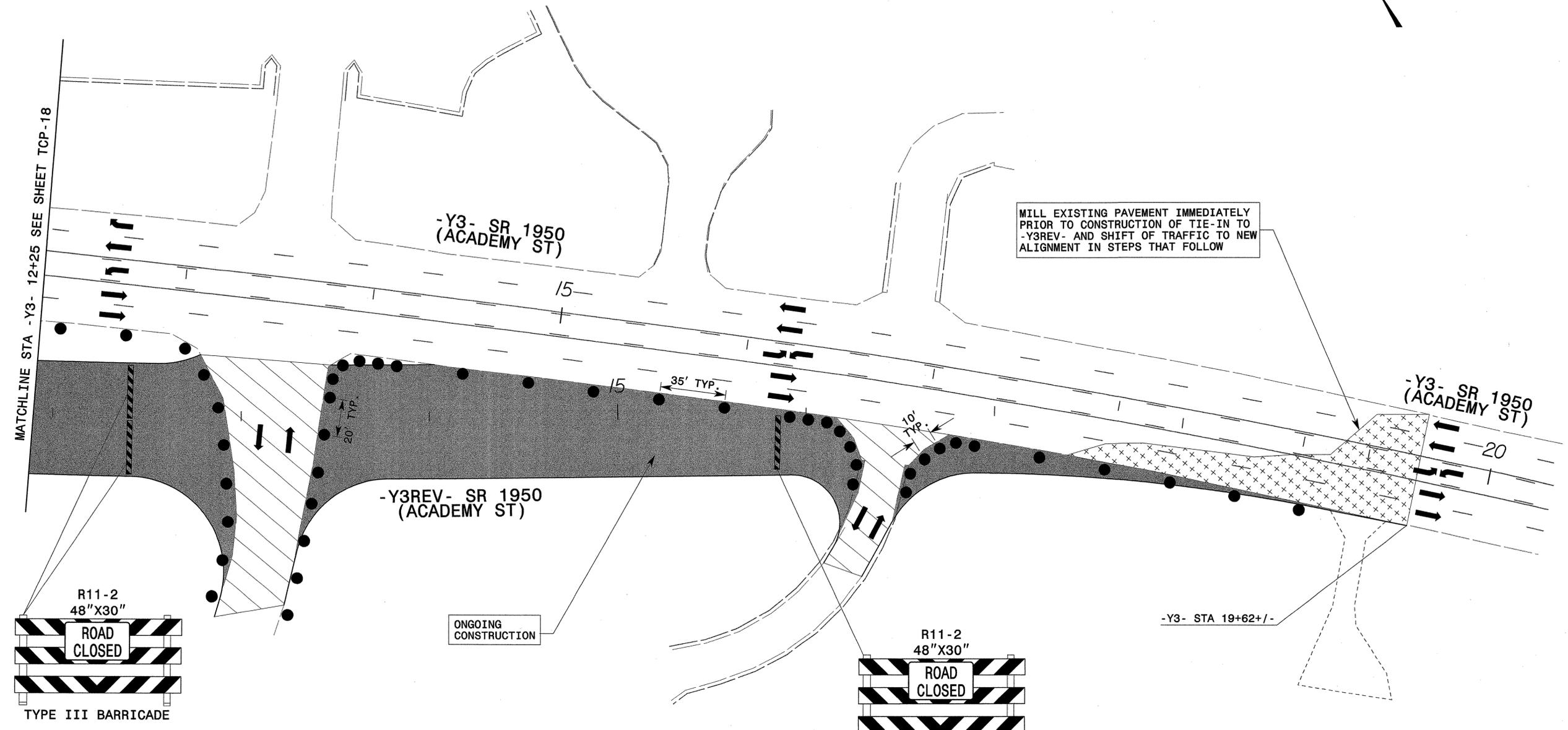


PHASE II DETAIL 1

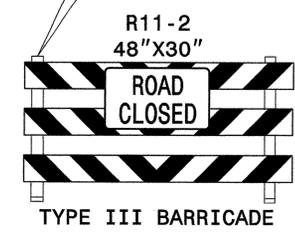
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DATE:	12/01/09										
DWG. BY:	BSLM										
DESIGN BY:	BSLM										
REVIEWED BY:	JTB	CARD FILE									

PBSJ 1616 EAST MILLBROOK ROAD, SUITE 310
 RALEIGH, NORTH CAROLINA 27609
 PHONE: (919) 876-6888

07-DEC-2009 17:42
 G:\TEG\Curr\0001626 - High Point Road\TCP\topl9.dgn
 18566 AT RAL2004601



MILL EXISTING PAVEMENT IMMEDIATELY PRIOR TO CONSTRUCTION OF TIE-IN TO -Y3REV- AND SHIFT OF TRAFFIC TO NEW ALIGNMENT IN STEPS THAT FOLLOW



LEGEND	
Proposed Construction	
Completed Construction	
Pavement Removal	
Wedging	
Milling	
Traffic Flow	
Construction Drums	

APPROVED: *[Signature]* DATE: 12/7/09



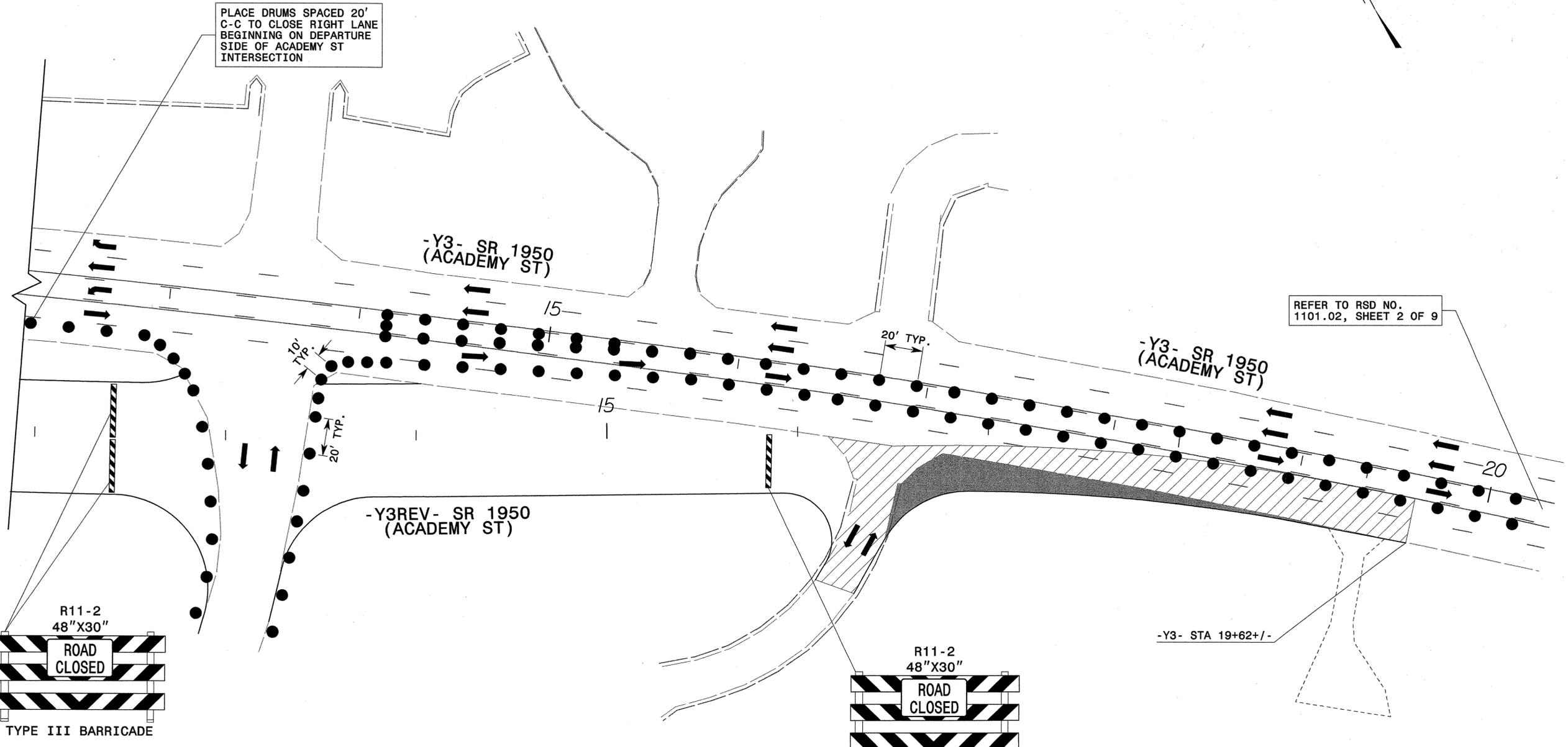
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SCALE: 1:30	REVISIONS
DATE: 12/01/09	
DWG. BY: BS/LM	
DESIGN BY: BS/LM	
REVIEWED BY: JTB	

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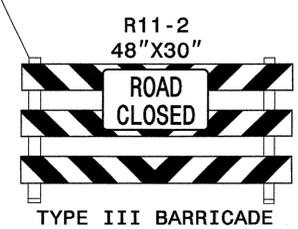
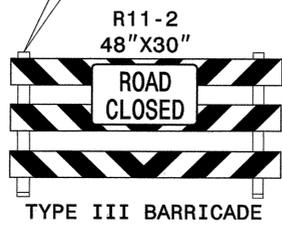
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PLACE DRUMS SPACED 20'
C-C TO CLOSE RIGHT LANE
BEGINNING ON DEPARTURE
SIDE OF ACADEMY ST
INTERSECTION



REFER TO RSD NO.
1101.02, SHEET 2 OF 9



LEGEND	
Proposed Construction	
Completed Construction	
Pavement Removal	
Wedging	
Milling	
Traffic Flow	
Construction Drums	

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 18566 AT RAL2004601

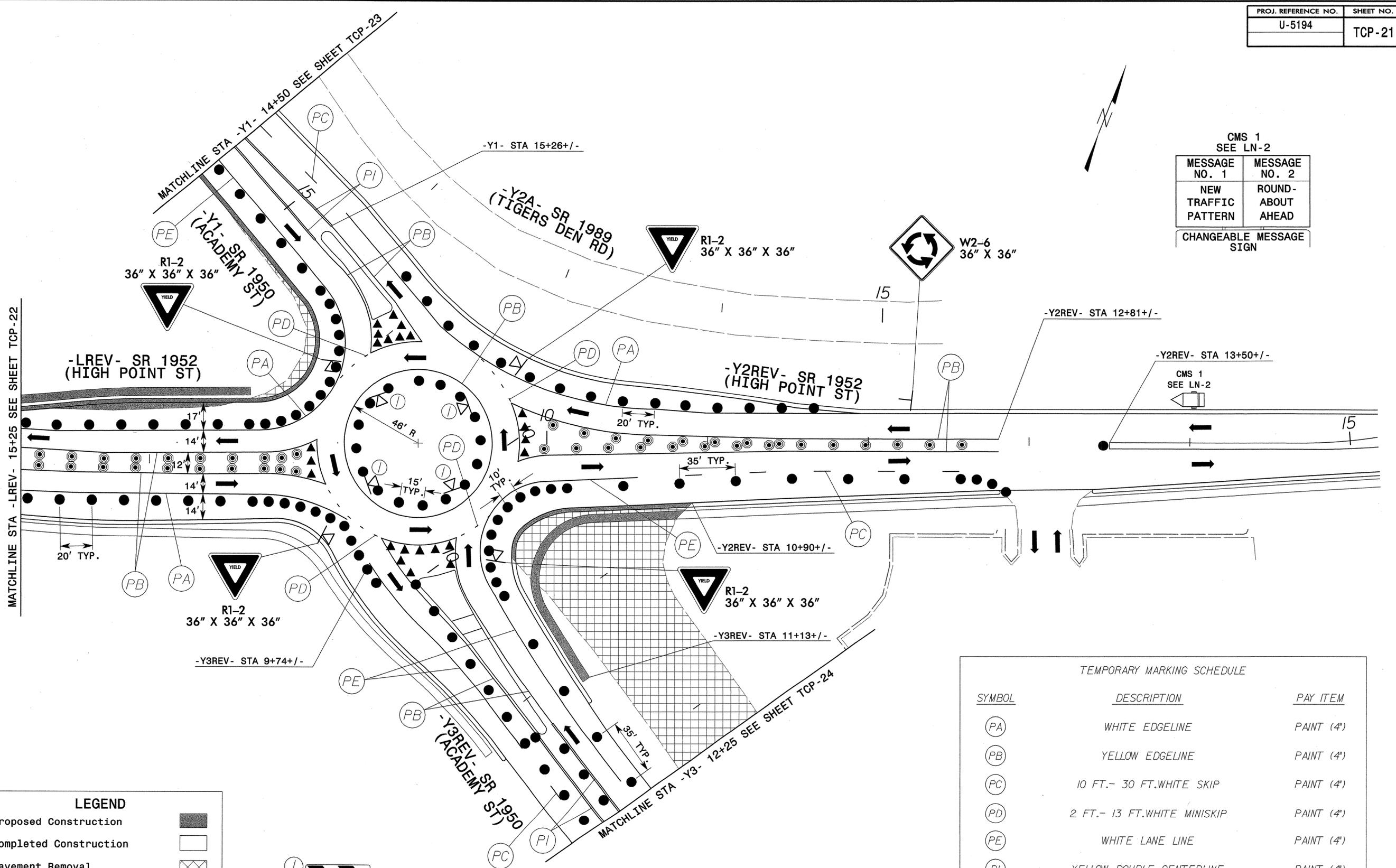
PBS&J 1616 EAST MILLBROOK ROAD, SUITE 310
 RALEIGH, NORTH CAROLINA 27609
 PHONE: (919) 876-6888

APPROVED:	DATE: 12/1/09	PHASE II DETAIL 1A									
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REVIEWED BY: JTB		<table border="1"> <tr> <td>CADD FILE</td> <td> </td> </tr> </table>		CADD FILE							
CADD FILE											

CMS 1
SEE LN-2

MESSAGE NO. 1	MESSAGE NO. 2
NEW TRAFFIC PATTERN	ROUND-ABOUT AHEAD

CHANGEABLE MESSAGE SIGN



LEGEND

Proposed Construction	
Completed Construction	
Pavement Removal	
Wedging	
Traffic Flow	
Construction Drums	
Skinny Drums	
Cones	

TEMPORARY MARKING SCHEDULE

SYMBOL	DESCRIPTION	PAY ITEM
PA	WHITE EDGELINE	PAINT (4')
PB	YELLOW EDGELINE	PAINT (4')
PC	10 FT.- 30 FT. WHITE SKIP	PAINT (4')
PD	2 FT.- 13 FT. WHITE MINISKIP	PAINT (4')
PE	WHITE LANE LINE	PAINT (4')
PI	YELLOW DOUBLE CENTERLINE	PAINT (4')

APPROVED: DATE: 12/1/09

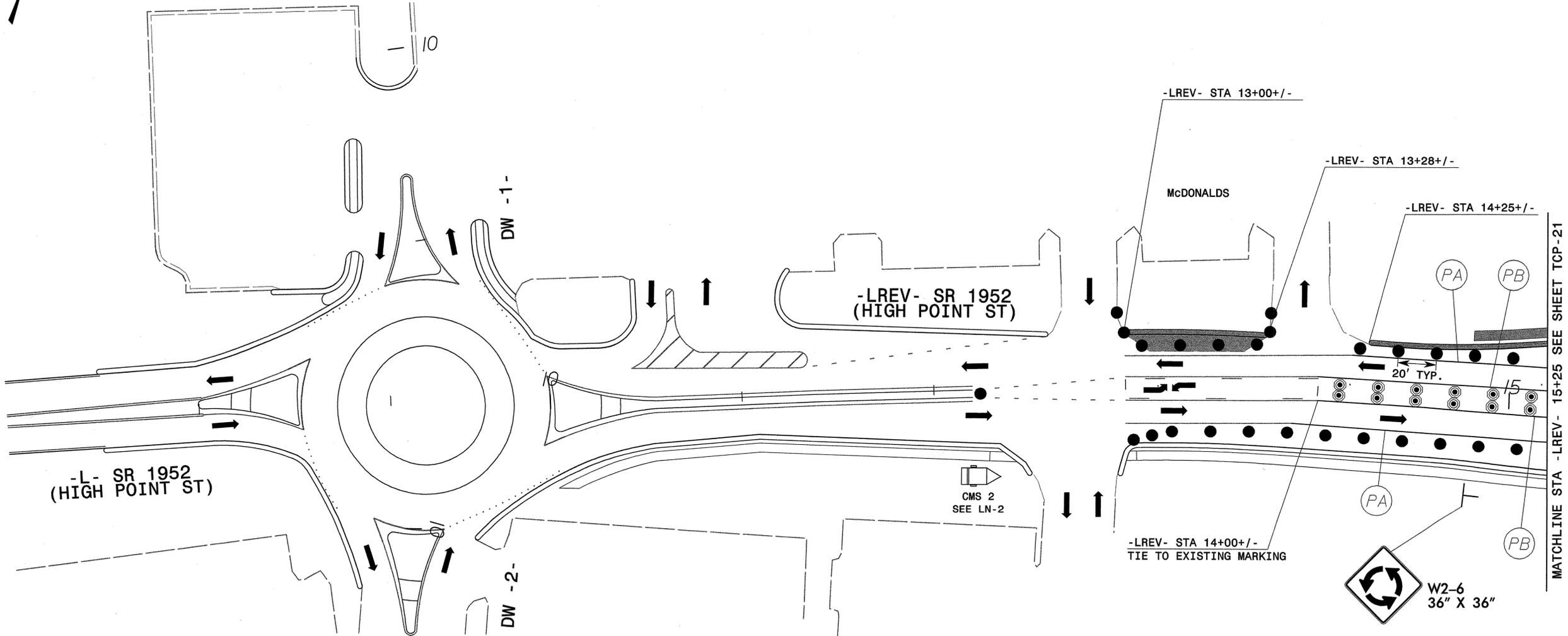
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PHASE II DETAIL 2

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DATE: 12/01/09		
DWG. BY: BSLM		
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REVIEWED BY: JTB		CADD FILE

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MATCHLINE STA -LREV- 15+25 SEE SHEET TCP-21

CMS 2
SEE LN-2

CMS 2
SEE LN-2

MESSAGE NO. 1	MESSAGE NO. 2
NEW TRAFFIC PATTERN	ROUND-ABOUT AHEAD
CHANGEABLE MESSAGE SIGN	

LEGEND

Proposed Construction	
Completed Construction	
Pavement Removal	
Wedging	
Traffic Flow	
Construction Drums	
Skinny Drums	

TEMPORARY MARKING SCHEDULE

SYMBOL	DESCRIPTION	PAY ITEM
(PA)	WHITE EDGELINE	PAINT (4")
(PB)	YELLOW EDGELINE	PAINT (4")



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8866 AT RAL2004601

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SEAL 	SCALE: 1:30		
	DATE: 12/01/09		
	DESIGN BY: BSLM		
	REVIEWED BY: JTB		
		REVISIONS	

-Y1- STA 8+80+/-
TIE TO EXISTING MARKINGS

CMS 3
SEE LN-2

MESSAGE NO. 1	MESSAGE NO. 2
NEW TRAFFIC PATTERN	ROUND-ABOUT AHEAD

CHANGEABLE MESSAGE SIGN

CMS 3
SEE LN-2

-Y1- STA 11+94+/-

-Y1- STA 13+34+/-

-Y1- STA 12+35+/-

-Y2- SR 1950
(ACADEMY ST)

10 (TIGERS DEN RD)
-Y2A- SR 1989

MATCHLINE STA -Y1- 14+50 SEE SHEET TCP-21

LEGEND

Proposed Construction	
Completed Construction	
Pavement Removal	
Wedging	
Traffic Flow	
Construction Drums	

TEMPORARY MARKING SCHEDULE

SYMBOL	DESCRIPTION	PAY ITEM
PA	WHITE EDGELINE	PAINT (4")
PC	10 FT.- 30 FT. WHITE SKIP	PAINT (4")
PD	2 FT.- 13 FT. WHITE MINISKIP	PAINT (4")
PE	WHITE LANE LINE	PAINT (4")
PI	YELLOW DOUBLE CENTER	PAINT (4")
PR	WHITE GORE LINE	PAINT (8")



APPROVED: DATE: 12/9/09

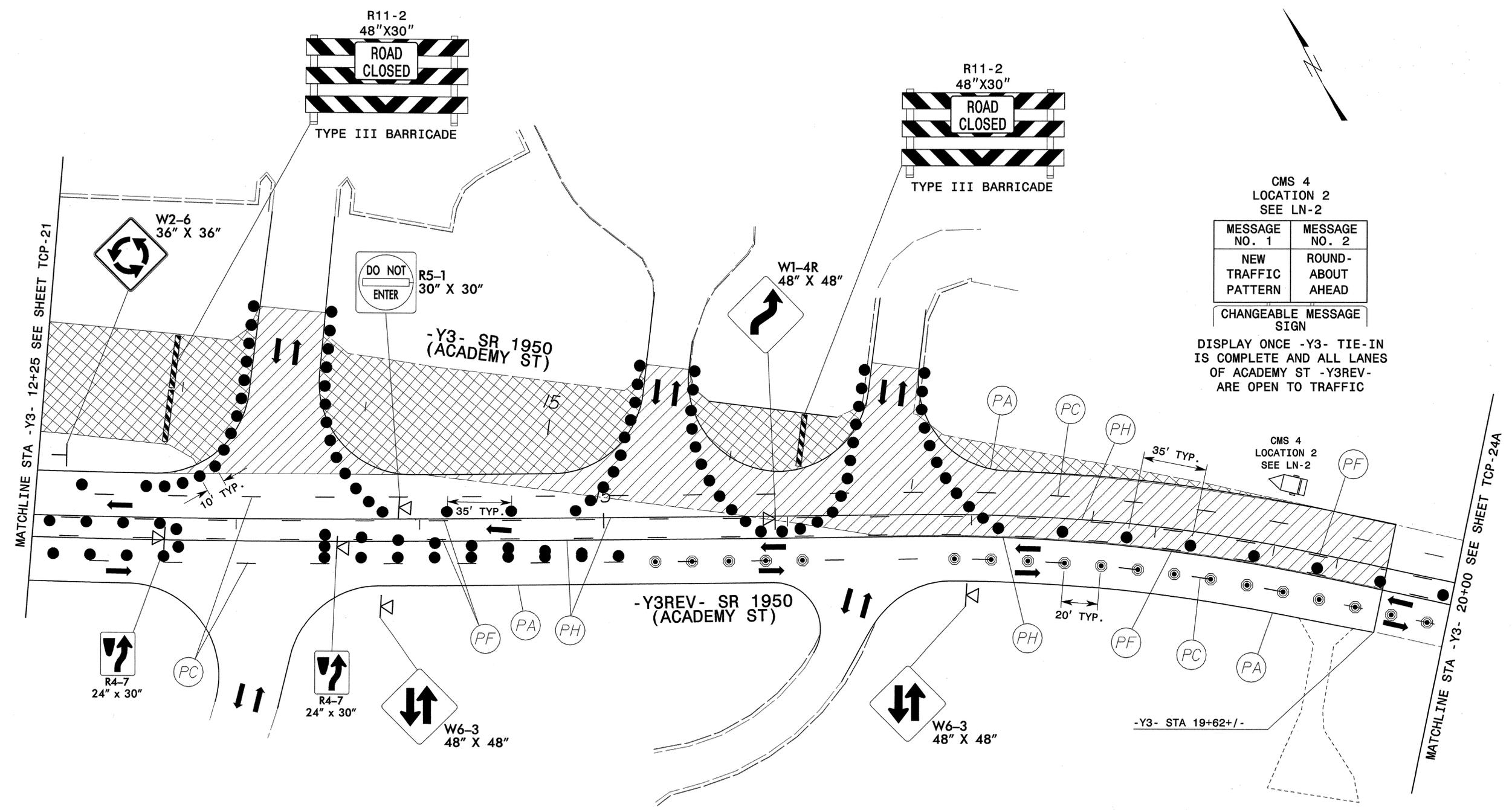


PHASE II DETAIL 2

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CMS 4
LOCATION 2
SEE LN-2

MESSAGE NO. 1	MESSAGE NO. 2
NEW TRAFFIC PATTERN	ROUND-ABOUT AHEAD

CHANGEABLE MESSAGE SIGN

DISPLAY ONCE -Y3- TIE-IN IS COMPLETE AND ALL LANES OF ACADEMY ST -Y3REV- ARE OPEN TO TRAFFIC

LEGEND

Proposed Construction	
Completed Construction	
Pavement Removal	
Wedging	
Traffic Flow	
Construction Drums	
Skinny Drums	

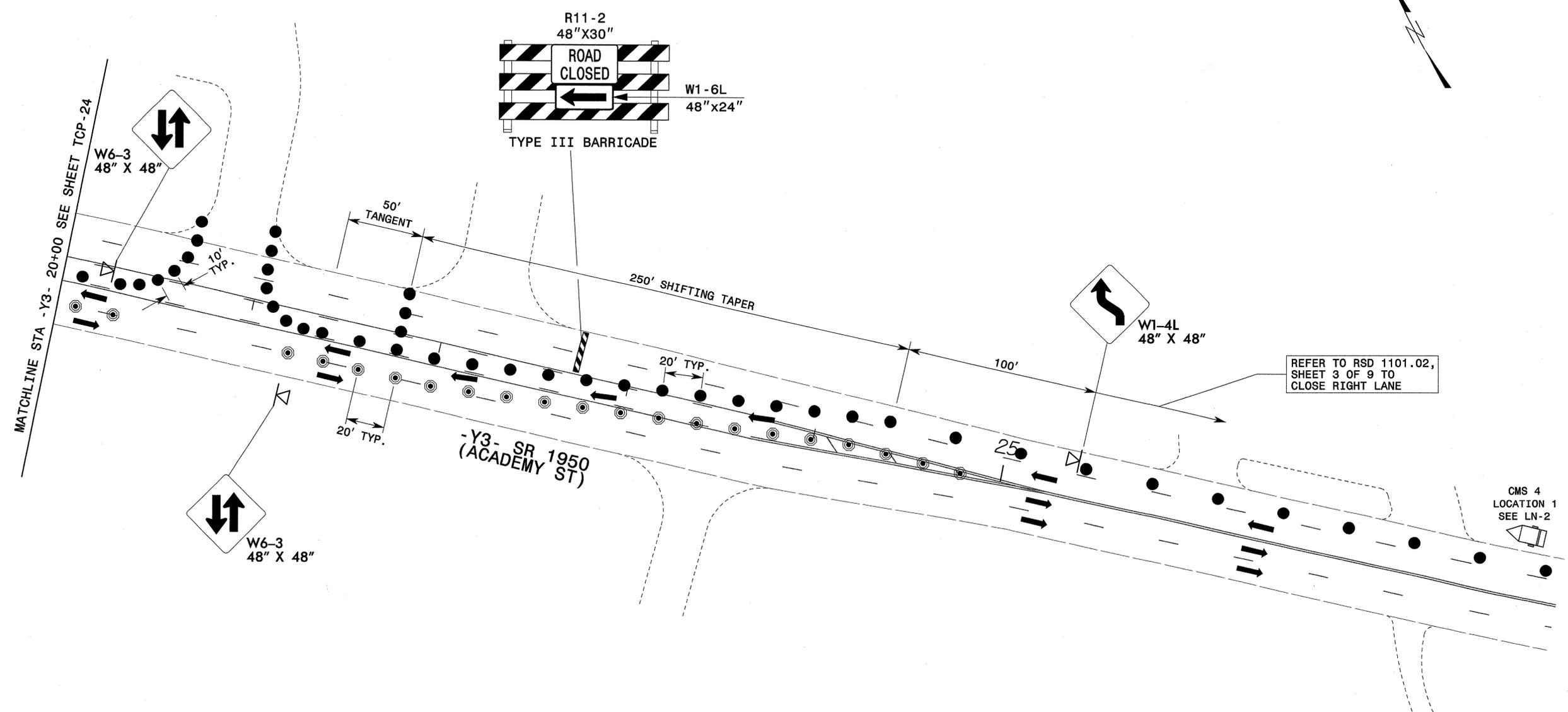
TEMPORARY MARKING SCHEDULE

SYMBOL	DESCRIPTION	PAY ITEM
(PA)	WHITE SOLID EDGE LINE	PAINT (4")
(PC)	10 FT.- 30 FT. WHITE SKIP	PAINT (4")
(PF)	10 FT.- 30 FT. YELLOW SKIP	PAINT (4")
(PH)	YELLOW SINGLE CENTERLINE	PAINT (4")

APPROVED:	DATE: 12/1/09	PHASE II DETAIL 2								
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REVIEWED BY: JTB										
		CARD FILE								

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LEGEND	
Proposed Construction	
Completed Construction	
Pavement Removal	
Wedging	
Traffic Flow	
Construction Drums	
Skinny Drums	

CMS 4 LOCATION 1 SEE LN-2	
MESSAGE NO. 1	MESSAGE NO. 2
RIGHT LN CLOSED 2 MILES	TRAFFIC SHIFT AHEAD
CHANGEABLE MESSAGE SIGN	

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 18566 AT RAL20046D

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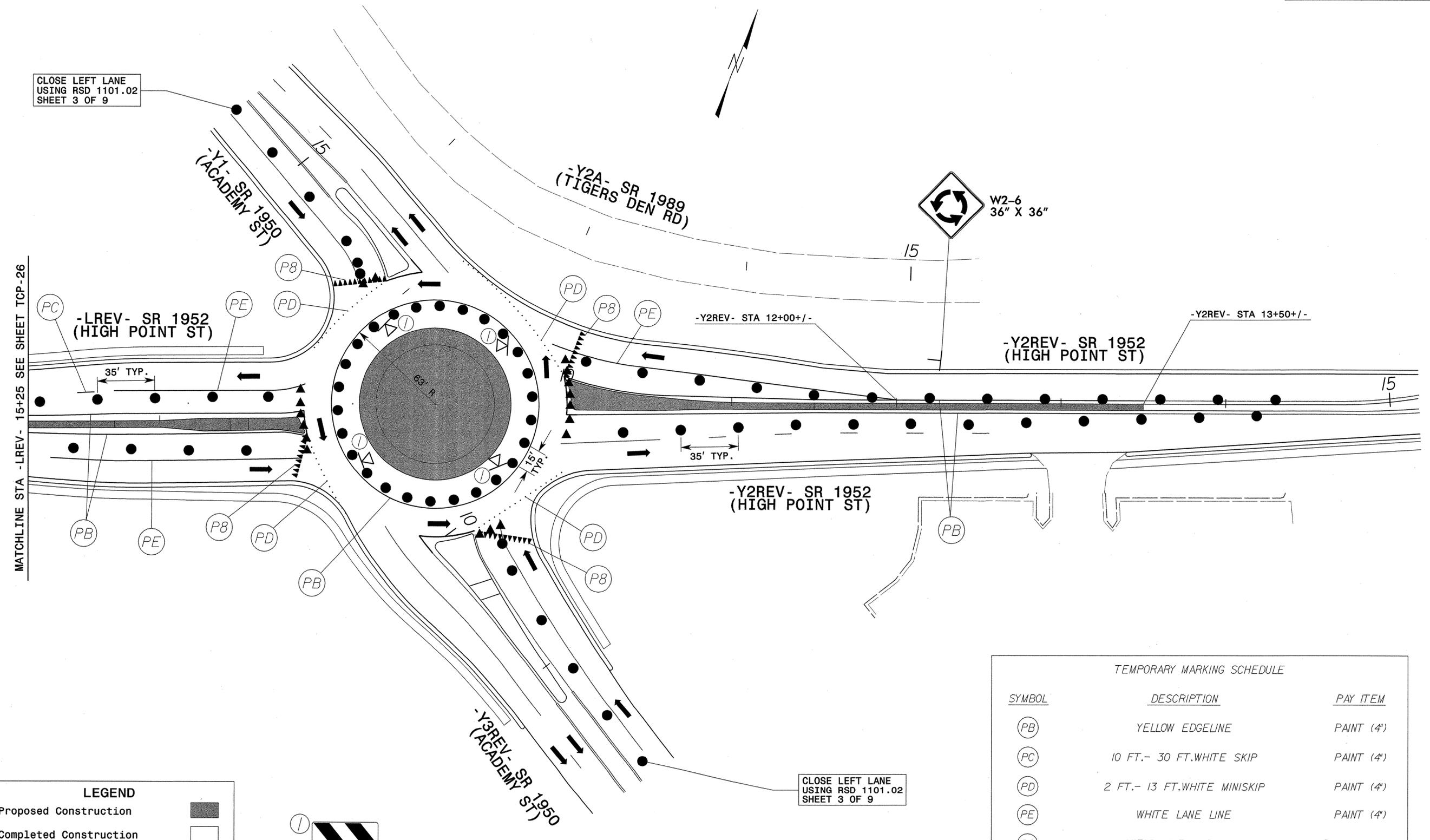
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SEAL

PHASE II DETAIL 2

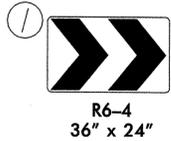
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DATE: 12/01/09		
DWG. BY: BSLM		
DESIGN BY: BSLM		
REVIEWED BY: JTB		

CLOSE LEFT LANE
USING RSD 1101.02
SHEET 3 OF 9



MATCHLINE STA -LREV- 15+25 SEE SHEET TCP-26

LEGEND	
Proposed Construction	
Completed Construction	
Pavement Removal	
Wedging	
Traffic Flow	
Construction Drums	
Cones	



CLOSE LEFT LANE
USING RSD 1101.02
SHEET 3 OF 9

TEMPORARY MARKING SCHEDULE		
SYMBOL	DESCRIPTION	PAY ITEM
(PB)	YELLOW EDGELINE	PAINT (4")
(PC)	10 FT.- 30 FT. WHITE SKIP	PAINT (4")
(PD)	2 FT.- 13 FT. WHITE MINISKIP	PAINT (4")
(PE)	WHITE LANE LINE	PAINT (4")
(PB)	YIELD LINE MARKINGS	PAINT SYMBOL

APPROVED: DATE: 12/7/09

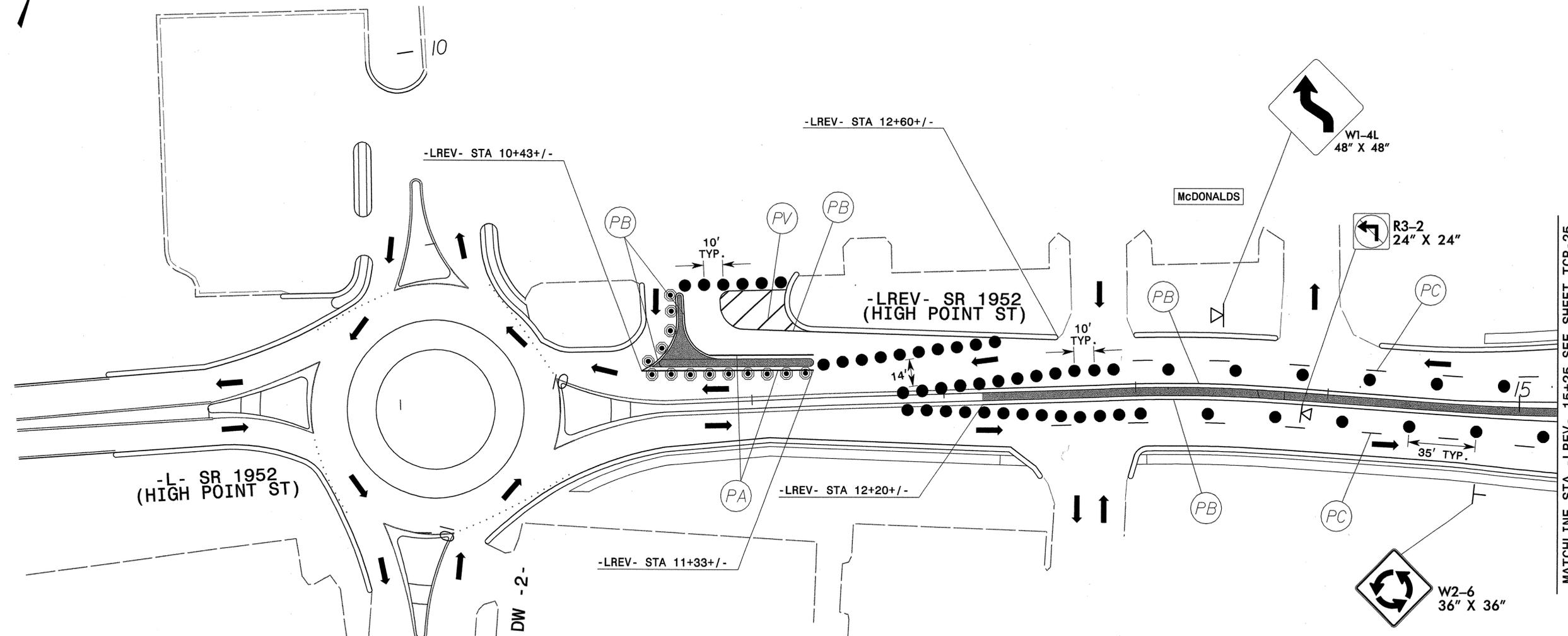
SEAL

PHASE II DETAIL 3

SCALE:	1:30		REVISIONS
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DWG. BY:	BSLM		
DESIGN BY:	BSLM		
REVIEWED BY:	JTB		

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MATCHLINE STA -LREV- 15+25 SEE SHEET TCP-25

LEGEND	
Proposed Construction	
Completed Construction	
Pavement Removal	
Wedging	
Traffic Flow	
Construction Drums	

TEMPORARY MARKING SCHEDULE		
SYMBOL	DESCRIPTION	PAY ITEM
(PA)	WHITE EDGELINE	PAINT (4")
(PB)	YELLOW EDGELINE	PAINT (4")
(PC)	10 FT.- 30 FT. WHITE SKIP	PAINT (4")
(PV)	YELLOW DIAGONAL	PAINT (8")

APPROVED:	DATE: 12/7/09	PHASE II DETAIL 3											
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 18566 AT RAL2004CDI

