

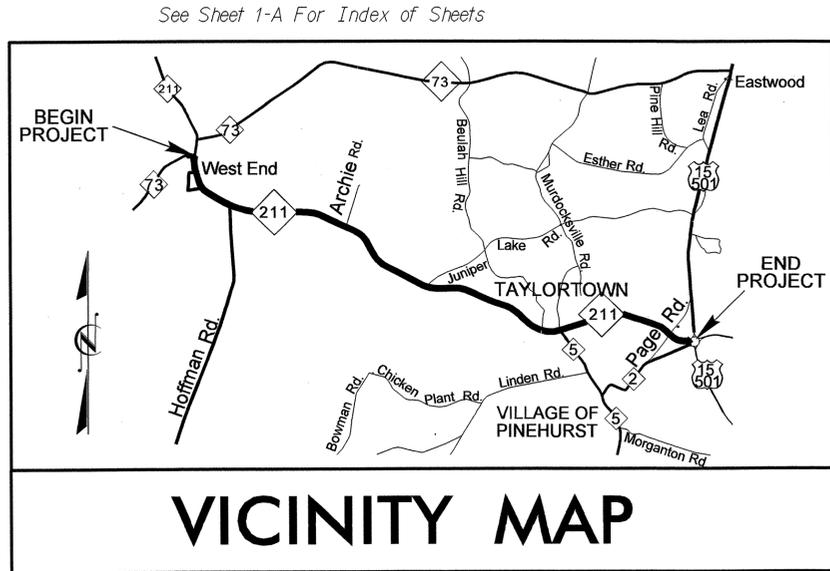
| | | | |
|-----------------|-----------------------------|-------------|--------------|
| STATE | STATE PROJECT REFERENCE NO. | SHEET NO. | TOTAL SHEETS |
| N.C. | R-2812 | 1 | |
| STATE PROJ. NO. | F.A. PROJ. NO. | DESCRIPTION | |
| 34504.1.1 | STP-211 (5) | P.E. | |
| 34504.2.2 | STP-0211(25) | RW, UTIL. | |
| 34504.3.2 | STP-0211(26) | CONSTR. | |

STATE OF NORTH CAROLINA
DIVISION OF HIGHWAYS

MOORE COUNTY

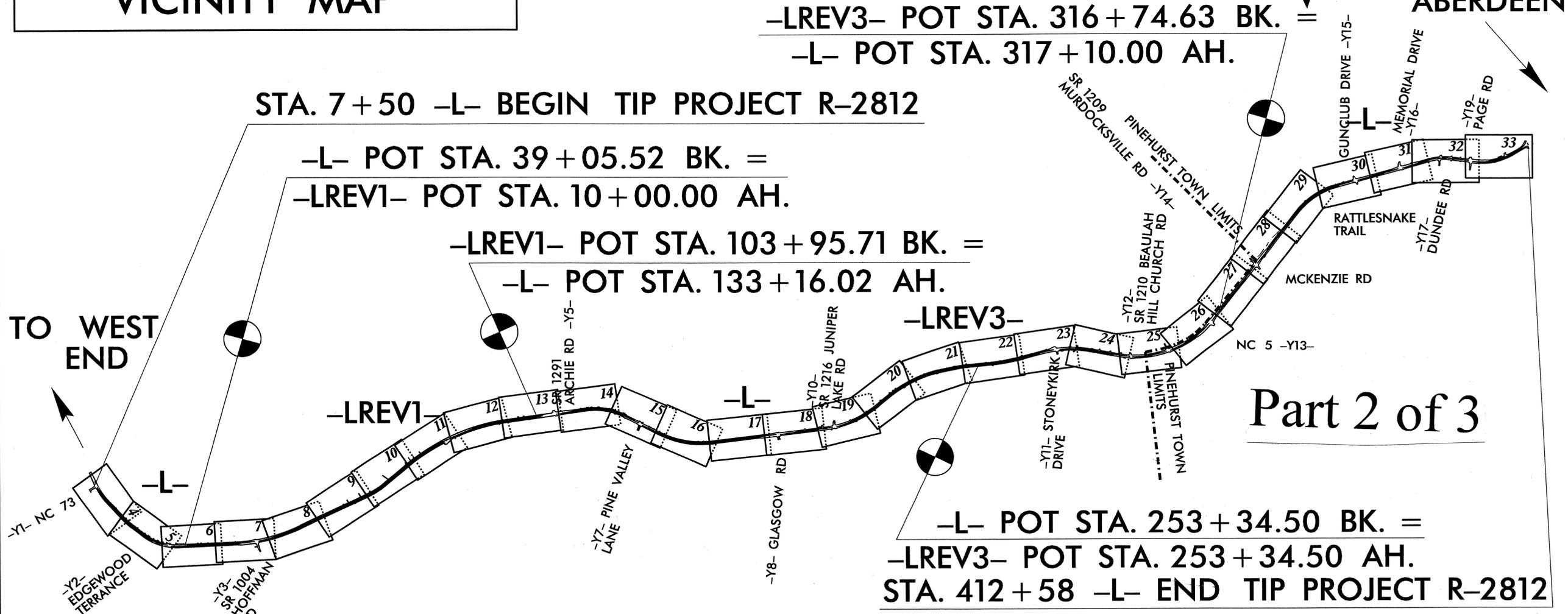
LOCATION: NC 211 FROM NC 73 IN WEST END
TO THE TRAFFIC CIRCLE IN PINEHURST

TYPE OF WORK: GRADING, PAVING, DRAINAGE, CURB & GUTTER
SIGNALS, SIGNING, AND CULVERT

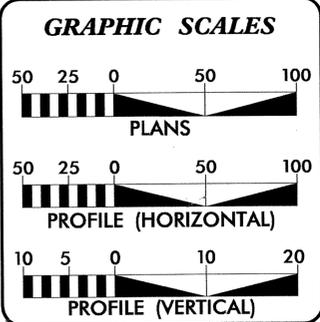


TIP PROJECT: R-2812

CONTRACT: C202663



Part 2 of 3



DESIGN DATA

| | | |
|----------|---|--------|
| ADT 2011 | = | 17100 |
| ADT 2031 | = | 22000 |
| DHV | = | 9 % |
| D | = | 52 % |
| T | = | 5 % * |
| V | = | 50 MPH |
| * TTST 2 | | DUAL 3 |

PROJECT LENGTH

| | | |
|------------------------------------|---|-----------|
| LENGTH ROADWAY TIP PROJECT R-2812 | = | 7.662 MI. |
| TOTAL LENGTH TIP PROJECT 34504.1.1 | = | 7.662 MI. |

Prepared in the Office of:
DIVISION OF HIGHWAYS
1000 Birch Ridge Dr., Raleigh NC, 27610

2006 STANDARD SPECIFICATIONS

| | |
|--------------------------------------|--|
| RIGHT OF WAY DATE: SEPT. 29, 2008 | JIMMY GOODNIGHT, PE PROJECT ENGINEER |
| LETTING DATE: OCTOBER 18, 2011 | TIM GOINS, PE PROJECT DESIGN ENGINEER |

HYDRAULICS ENGINEER

Signature: [Signature] 8/24/11

ROADWAY DESIGN ENGINEER

Signature: [Signature] 8-15-11

DIVISION OF HIGHWAYS
STATE OF NORTH CAROLINA

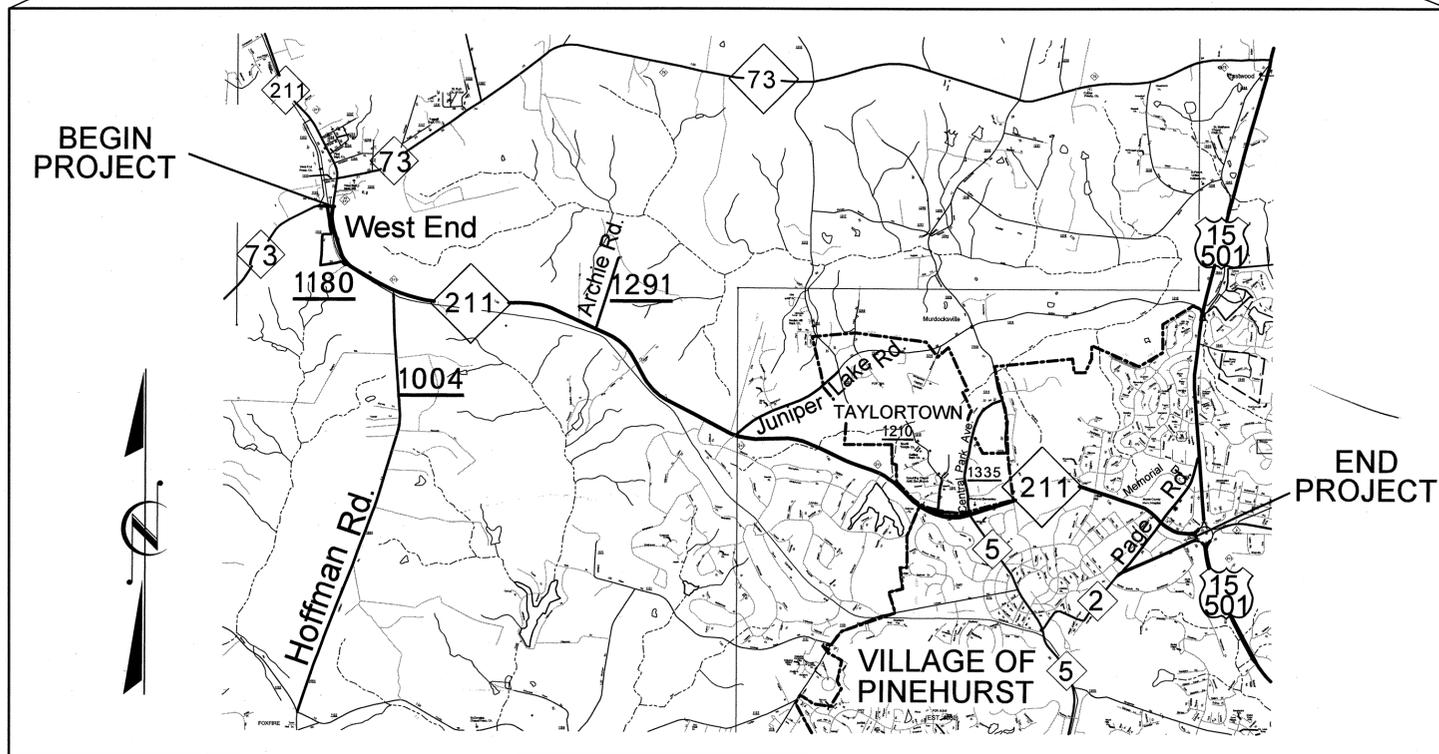
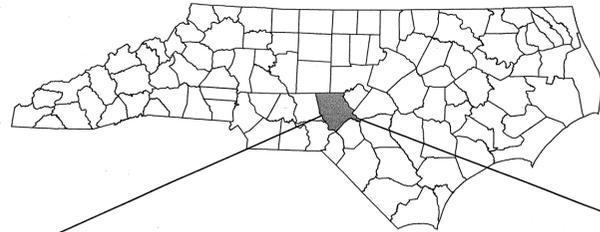
Art McMiller P.E.
STATE HIGHWAY DESIGN ENGINEER

I:\AUG-2011\09\4 R:\Roadway\Projects\2812_rdy_tsh.dgn \$\$\$USERNAME\$\$\$

STATE OF NORTH CAROLINA
DIVISION OF HIGHWAYS

TRANSPORTATION MANAGEMENT PLAN

MOORE COUNTY



INDEX OF SHEETS

| SHEET NO. | TITLE |
|---------------------|--|
| TMP-1 | TITLE SHEET WITH VICINITY MAP & INDEX OF SHEETS |
| TMP-1A | LIST OF APPLICABLE ROADWAY STANDARD DRAWINGS, LEGEND, AND TEMPORARY PAVEMENT MARKING |
| TMP-1B THRU TMP-1D | TRANSPORTATION OPERATIONS PLAN: (MANAGEMENT STRATEGIES, GENERAL NOTES AND LOCAL NOTES) |
| TMP-2A | PORTABLE CONCRETE BARRIER AT TEMPORARY SHORING LOCATIONS |
| TMP-2B | DETAIL DRAWING FOR TWO-WAY UNDIVIDED AND URBAN FREEWAYS ADVANCED WORK ZONE WARNING SIGNS |
| TMP-2C | INTERSECTION DETAILS |
| TMP-2D | INTERSECTION & DRIVEWAY TYPICAL DETAILS |
| TMP-3 THRU TMP-3A | TEMPORARY TRAFFIC CONTROL PHASING |
| TMP-4 THRU TMP-8 | TEMPORARY TRAFFIC CONTROL PHASE I OVERVIEWS |
| TMP-9 THRU TMP-13 | TEMPORARY TRAFFIC CONTROL PHASE II OVERVIEWS |
| TMP-14 THRU TMP-18 | TEMPORARY TRAFFIC CONTROL PHASE III OVERVIEWS |
| TMP-19 THRU TMP-23 | TEMPORARY TRAFFIC CONTROL PHASE IV OVERVIEWS |
| TMP-24 THRU TMP-28 | TEMPORARY TRAFFIC CONTROL PHASE I TEMPORARY PAVEMENT CONSTRUCTION DETAILS |
| TMP-29 THRU TMP-52 | TEMPORARY TRAFFIC CONTROL PHASE I DETAILS |
| TMP-53 THRU TMP-74 | TEMPORARY TRAFFIC CONTROL PHASE II DETAILS |
| TMP-75 THRU TMP-87A | TEMPORARY TRAFFIC CONTROL PHASE III DETAILS |
| TMP-88 THRU TMP-104 | TEMPORARY TRAFFIC CONTROL PHASE IV DETAILS |
| SD-1 | SPECIAL SIGN DESIGNS |

SHEET NO.
TMP-1

R-2812

TIP PROJECT:

HNTB

HNTB NORTH CAROLINA, P.C.
343 E. Six Forks Road, Suite 200
Raleigh, North Carolina 27609
NC License No: C-1554

R. B. EARLY, PE **TRAFFIC CONTROL PROJECT ENGINEER**
R. B. EARLY, PE **TRAFFIC CONTROL PROJECT DESIGN ENGINEER**
J. A. PHILLIPS **TRAFFIC CONTROL DESIGN ENGINEER**

APPROVED: *[Signature]*
DATE: *Jan 30, 2011*

SEAL



N.C.D.O.T. WORK ZONE TRAFFIC CONTROL
1561 MAIL SERVICE CENTER (MSC) RALEIGH, NC 27699-1561
750 N. GREENFIELD PARKWAY, GARNER, NC 27529 (DELIVERY)
PHONE: (919) 773-2800 FAX: (919) 771-2745

J. S. BOURNE, P.E. **STATE TRAFFIC MANAGEMENT ENGINEER**
JOSEPH ISHAK, P.E. **TRAFFIC CONTROL PROJECT ENGINEER**
MICHELLE WARD, P.E. **TRAFFIC CONTROL PROJECT DESIGN ENGINEER**
ALLA LYUDMIRSKAYA **TRAFFIC CONTROL DESIGN ENGINEER**



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

ROADWAY STANDARD DRAWINGS

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

| STD. NO. | TITLE |
|----------|---|
| 1101.02 | TEMPORARY LANE CLOSURES |
| 1101.03 | TEMPORARY ROAD CLOSURES |
| 1101.04 | TEMPORARY SHOULDER CLOSURES |
| 1101.05 | WORK ZONE VEHICLE ACCESSES |
| 1101.11 | TRAFFIC CONTROL DESIGN TABLES |
| 1110.01 | STATIONARY WORK ZONE SIGNS |
| 1110.02 | PORTABLE WORK ZONE SIGNS |
| 1115.01 | FLASHING ARROW PANELS |
| 1130.01 | DRUM |
| 1145.01 | BARRICADES |
| 1150.01 | FLAGGING DEVICES |
| 1160.01 | TEMPORARY CRASH CUSHION |
| 1165.01 | TRUCK MOUNTED IMPACT ATTENUATOR |
| 1170.01 | PORTABLE CONCRETE BARRIER |
| 1205.01 | PAVEMENT MARKINGS - LINE TYPES & OFFSETS |
| 1205.02 | PAVEMENT MARKINGS - 2 LANE & MULTILANE ROADWAYS |
| 1205.04 | PAVEMENT MARKINGS - INTERSECTIONS |
| 1205.05 | PAVEMENT MARKINGS - TURN LANES |
| 1205.06 | PAVEMENT MARKINGS - THRU LANE DROPS |
| 1205.07 | PAVEMENT MARKINGS - PEDESTRIAN CROSSWALKS |
| 1205.08 | PAVEMENT MARKINGS - SYMBOLS & WORD MESSAGES |
| 1205.09 | PAVEMENT MARKINGS - PAINTED ISLANDS |
| 1205.10 | PAVEMENT MARKINGS - SCHOOL AREAS |
| 1205.11 | PAVEMENT MARKINGS - RAILROAD CROSSINGS |
| 1250.01 | PAVEMENT MARKER SPACING |
| 1251.01 | RAISED PAVEMENT MARKERS (TEMPORARY) |
| 1261.01 | GUARDRAIL & BARRIER DELINEATOR SPACING |
| 1261.02 | GUARDRAIL & BARRIER DELINEATOR TYPES |
| 1262.01 | GUARDRAIL END DELINEATION |

LEGEND

GENERAL

- DIRECTION OF TRAFFIC FLOW
- DIRECTION OF PEDESTRIAN TRAFFIC FLOW
- EXIST. PVMT.
- NORTH ARROW
- PROPOSED PVMT.
- WORK AREA
- REMOVAL
- TEMPORARY PAVEMENT
- WEDGE &/OR WIDEN
- TEMPORARY ALIGNMENT
- ONGOING CONSTRUCTION

TRAFFIC CONTROL DEVICES

- BARRICADE (TYPE III)
- CONE
- DRUM SKINNY DRUM TUBULAR MARKER
- TEMPORARY CRASH CUSHION
- FLASHING ARROW PANEL (TYPE C)
- FLAGGER
- LAW ENFORCEMENT
- TRUCK MOUNTED IMPACT ATTENUATOR (TMIA)
- CHANGEABLE MESSAGE SIGN

TEMPORARY SIGNING

- PORTABLE SIGN
- STATIONARY SIGN
- STATIONARY OR PORTABLE SIGN

SIGNALS

- EXISTING
- PROPOSED
- TEMPORARY

PAVEMENT MARKINGS

- EXISTING LINES
- TEMPORARY LINES

PAVEMENT MARKERS

- CRYSTAL/CRYSTAL
- CRYSTAL/RED
- YELLOW/YELLOW

PAVEMENT MARKING SYMBOLS

- PAVEMENT MARKING SYMBOLS

TEMPORARY PAVEMENT MARKING

| SYMBOL | DESCRIPTION | PAY ITEM |
|------------------------|---------------------------|-------------|
| PAVEMENT MARKING LINES | | |
| PA | WHITE EDGELINE | PAINT (4") |
| PB | YELLOW EDGELINE | |
| PC | 10 FT WHITE SKIP | PAINT (8") |
| PD | 2 FT WHITE MINISKIP | |
| PE | WHITE SOLID LANE LINE | PAINT (16") |
| PF | 10 FT YELLOW SKIP | |
| PH | YELLOW SINGLE CENTER LINE | PAINT (24") |
| PI | YELLOW DOUBLE CENTER LINE | |
| PS | WHITE DIAGONAL | PAINT (8") |
| PV | YELLOW DIAGONAL | |
| PX | WHITE CROSSWALK LINE | PAINT (16") |
| P3 | WHITE RRX | |
| P4 | WHITE STOP BAR | PAINT (24") |

PAVEMENT MARKING SYMBOLS & CHARACTERS

| SYMBOL | DESCRIPTION | PAY ITEM |
|--------------|-----------------------------------|-----------------|
| PAINT SYMBOL | | |
| QA | LEFT TURN ARROW | PAINT CHARACTER |
| QB | RIGHT TURN ARROW | |
| QC | STRAIGHT ARROW | |
| QE | COMBO STRAIGHT & RIGHT TURN ARROW | |
| QF | COMBO LEFT & RIGHT TURN ARROW | |
| QG | COMBO LEFT, STRAIGHT, RIGHT ARROW | |
| QU | U-TURN ARROW | |
| QI | ALPHANUMERIC CHARACTER | |

PAVEMENT MARKERS

| SYMBOL | DESCRIPTION | PAY ITEM |
|------------------|-----------------|------------------|
| TEMPORARY RAISED | | |
| MH | YELLOW & YELLOW | TEMPORARY RAISED |
| MI | CRYSTAL & RED | |

NOTE: FOR EACH PAINT PAVEMENT MARKING ITEM, REFER TO GENERAL NOTE (HH) FOR NUMBER OF APPLICATIONS.

| | | |
|---|--|--|
| APPROVED: DATE: 4/20/11 | | |
| ROADWAY STANDARD DRAWINGS & LEGEND | | |

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

MANAGEMENT STRATEGIES

MAINTENANCE OF TRAFFIC FOR THIS PROJECT HAS BEEN DIVIDED INTO FOUR PHASES WITH THE GENERAL CONCEPT OF CONSTRUCT NEW RIGHT SIDE, SHIFT RIGHT, CONSTRUCT LEFT SIDE, SHIFT LEFT, FINISH RIGHT, SHIFT TO OUTSIDE LANES AND FINISH MEDIAN. SPECIAL CONCERNS DURING CONSTRUCTION INCLUDE TEMPORARY DRAINAGE, INSTALLATION OF PROPOSED DRAINAGE, MAINTAINING ACCESS FOR ALL DRIVES, HOSPITAL ACCESS, AND PEDESTRIAN SAFETY.

DURING PHASE I, TEMPORARY PAVEMENT WILL BE INSTALLED AND TRAFFIC SHIFTED TO THE TEMPORARY PAVEMENT. WITH TRAFFIC REMAINING IN THIS PATTERN (PRIMARILY IN EXISTING LANES), CONSTRUCTION WILL PROCEED AWAY FROM TRAFFIC - CONCENTRATING ON COMPLETING THE RIGHT SIDE WHERE POSSIBLE. RIGHT SIDE OF PROPOSED CULVERT AT STA 278+25+/- WILL BE CONSTRUCTED USING TEMPORARY PCB AND SHORING. TEMPORARY ALIGNMENTS AND TRANSITION GRADES WILL BE COMPLETED ALLOWING TRAFFIC TO BE SHIFTED TO RIGHT SIDE FROM THE BEGINNING OF THE PROJECT TO STA 274+00+/-.. UPON SHIFTING TRAFFIC, Y17 (DUNDEE RD) WILL BE CLOSED AND CONSTRUCTED ALONG WITH WEDGING OF EXISTING PAVEMENT IN THE AREA ACCESSING THE HOSPITAL. AT THIS TIME THE REMAINDER OF THE PROJECT WILL BE SHIFTED TO THE RIGHT SIDE AND Y17 REOPENED TO TRAFFIC.

DURING PHASE II (WITH TRAFFIC PLACED ON THE RIGHT SIDE), LEFT SIDE CONSTRUCTION WILL PROCEED WITH Y-LINE ACCESS PROVIDED WITH WEDGING EXCEPT FOR THE Y10 (JUNIPER LAKE RD) AREA. CULVERT AT STA 278+25+/- WILL BE COMPLETED DURING THIS PHASE. ONCE THE LEFT SIDE IS COMPLETE, Y10 WILL BE CLOSED TO TRAFFIC AND CONSTRUCTED AWAY FROM TRAFFIC. UPON COMPLETION OF Y10 AND ADJACENT MAINLINE, TRAFFIC WILL BE SHIFTED TO THE LEFT SIDE.

DURING PHASE III (WITH TRAFFIC PLACED ON THE LEFT SIDE), THE REMAINING SECTIONS OF THE RIGHT SIDE WILL BE CONSTRUCTED. Y14 (MCKENZIE RD) WILL BE CLOSED TO TRAFFIC FOR THE CONSTRUCTION OF Y14 AND THE L-LINE IN THAT AREA. UPON COMPLETION OF THE RIGHT SIDE, TRAFFIC WILL BE SHIFTED TO THE OUTSIDE LANES OF THE L-LINE (NC 211).

DURING PHASE IV (WITH TRAFFIC IN THE OUTERMOST LANES), COMPLETE REMAINING MEDIAN CONSTRUCTION. PLACE FINAL LAYER OF SURFACE COURSE AND FINAL PAVEMENT MARKINGS AND OPEN ALL LANES TO TRAFFIC.

GENERAL NOTES

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

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

TIME RESTRICTIONS

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

| ROAD NAME | DAY AND TIME RESTRICTIONS |
|--|---|
| 1. NC 211 FROM INTERSECTION OF NC 73/NC 211 TO NC 211/GUNCLUB DR/RATTLESNAKE TRAIL | MONDAY-FRIDAY: 7:00AM-9:00AM 4:00PM-6:00PM |
| 2. NC 211 FROM INTERSECTION OF NC 211/GUNCLUB DR/RATTLESNAKE TRAIL TO US 15-501 TRAFFIC CIRCLE | MONDAY-FRIDAY: 6:00AM-8:00PM SATURDAY-SUNDAY: 10:00AM-8:00PM |

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

| ROAD NAME | DAY AND TIME RESTRICTIONS |
|---|---|
| 1. -Y1- (NC 73) -Y12- (BEULAH HILL CHURCH RD) -Y13- (NC 5/CENTRAL PARK AVE) -Y14- (MURDOCKSVILLE RD/MCKENZIE RD) | MONDAY-FRIDAY: 7:00AM-9:00AM 4:00PM-6:00PM |
| 2. -Y15- (GUNCLUB DR/RATTLESNAKE TRAIL) -Y16- (MEMORIAL DR) -Y17- (DUNDEE RD) -Y19- (PAGE RD) | MONDAY-FRIDAY: 6:00AM-8:00PM SATURDAY-SUNDAY: 10:00AM-8:00PM |
| 3. -Y5- ARCHIE RD | MONDAY-FRIDAY: 7:00AM-9:00AM 2:30PM-4:00PM |

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

| ROAD NAME | DAY AND TIME RESTRICTIONS |
|--|---------------------------|
| 1. NC 211 FROM INTERSECTION OF NC 73/NC 211 TO US 15-501 TRAFFIC CIRCLE -Y1- (NC 73) -Y12- (BEULAH HILL CHURCH RD) -Y13- (NC 5/CENTRAL PARK AVE) -Y14- (MURDOCKSVILLE RD/MCKENZIE RD) -Y15- (GUNCLUB DR/RATTLESNAKE TRAIL) -Y16- (MEMORIAL DR) -Y17- (DUNDEE RD) -Y19- (PAGE RD) | |

HOLIDAY

- FOR ANY UNEXPECTED OCCURRENCE THAT CREATES UNUSUALLY HIGH TRAFFIC VOLUMES, AS DIRECTED BY THE ENGINEER.
- FOR NEW YEAR'S, BETWEEN THE HOURS OF 6:00 A.M. DECEMBER 31ST TO 8:00 P.M. JANUARY 2ND. IF NEW YEAR'S DAY IS ON A FRIDAY, SATURDAY, SUNDAY OR MONDAY THEN UNTIL 8:00 P.M. THE FOLLOWING TUESDAY.
- FOR EASTER, BETWEEN THE HOURS OF 6:00 A.M. THURSDAY AND 8:00 P.M. MONDAY.

- FOR MEMORIAL DAY, BETWEEN THE HOURS OF 6:00 A.M. FRIDAY TO 8:00 P.M. TUESDAY.
- FOR INDEPENDENCE DAY, BETWEEN THE HOURS OF 6:00 A.M. THE DAY BEFORE INDEPENDENCE DAY AND 8:00 P.M. THE DAY AFTER INDEPENDENCE DAY.

IF INDEPENDENCE DAY IS ON A FRIDAY, SATURDAY, SUNDAY OR MONDAY THEN BETWEEN THE HOURS OF 6:00 A.M. THE THURSDAY BEFORE INDEPENDENCE DAY AND 8:00 P.M. THE TUESDAY AFTER INDEPENDENCE DAY.
- FOR LABOR DAY, BETWEEN THE HOURS OF 6:00 A.M. FRIDAY TO 8:00 P.M. TUESDAY.
- FOR THANKSGIVING DAY, BETWEEN THE HOURS OF 6:00 A.M. TUESDAY TO 8:00 P.M. MONDAY.
- FOR CHRISTMAS, BETWEEN THE HOURS OF 6:00 A.M. THE FRIDAY BEFORE THE WEEK OF CHRISTMAS DAY AND 8:00 P.M. THE FOLLOWING TUESDAY AFTER THE WEEK OF CHRISTMAS.
- FOR THE U.S. OPEN CHAMPIONSHIP AND U.S. WOMEN'S OPEN CHAMPIONSHIP, HELD AT PINEHURST RESORT & COUNTRY CLUB FROM JUNE 9, 2014 TO JUNE 23, 2014, BETWEEN THE HOURS OF 6:00 A.M. THE FRIDAY BEFORE THE U.S. OPEN CHAMPIONSHIP AND U.S. WOMEN'S OPEN CHAMPIONSHIP AND 8:00 P.M. THE DAY AFTER THE U.S. OPEN CHAMPIONSHIP AND U.S. WOMEN'S OPEN CHAMPIONSHIP.

D) DO NOT CLOSE ROADS AS FOLLOWS:

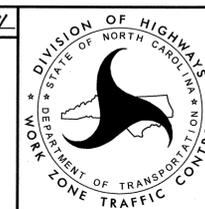
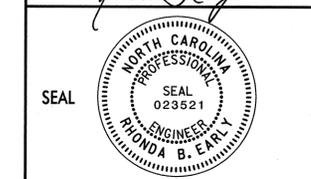
| ROAD NAME | DAY AND TIME RESTRICTIONS |
|----------------|---|
| 1. NC 211 | ANYTIME |
| 2. ALL Y LINES | ANYTIME (EXCEPT AS DIRECTED IN THE PHASING) |

E) DO NOT STOP TRAFFIC AS FOLLOWS:

| ROAD NAME | DAY AND TIME RESTRICTIONS | DURATION AND OPERATION |
|---|---|-------------------------------|
| 1. NC 211 FROM INTERSECTION OF NC 73/NC 211 TO NC 211/GUNCLUB DR/RATTLESNAKE TRAIL | MONDAY-FRIDAY: 7:00AM-9:00AM 4:00PM-6:00PM | 30 MINUTES FOR TRAFFIC SHIFTS |
| 2. NC 211 FROM INTERSECTION OF NC 211/GUNCLUB DR/RATTLESNAKE TRAIL TO US 15-501 TRAFFIC CIRCLE | MONDAY-FRIDAY: 6:00AM-8:00PM SATURDAY-SUNDAY: 10:00AM-8:00PM | 30 MINUTES FOR TRAFFIC SHIFTS |
| 3. -Y1- (NC 73) -Y12- (BEULAH HILL CHURCH RD) -Y13- (NC 5/CENTRAL PARK AVE) -Y14- (MURDOCKSVILLE RD/MCKENZIE RD) | MONDAY-FRIDAY: 7:00AM-9:00AM 4:00PM-6:00PM | 30 MINUTES FOR TRAFFIC SHIFTS |
| 4. -Y15- (GUNCLUB DR/RATTLESNAKE TRAIL) -Y16- (MEMORIAL DR) -Y17- (DUNDEE RD) -Y19- (PAGE RD) | MONDAY-FRIDAY: 6:00AM-8:00PM SATURDAY-SUNDAY: 10:00AM-8:00PM | 30 MINUTES FOR TRAFFIC SHIFTS |

\$\$\$ SYSTEM \$\$\$
 \$\$\$ USER NAME \$\$\$

APPROVED: *Rhonda B. Early* DATE: 9-1-11



TRANSPORTATION OPERATIONS PLAN

GENERAL NOTES

- SS) TEMPORARY DRAINAGE CONCERNS DURING PHASE I INCLUDE, BUT ARE NOT LIMITED TO THE FOLLOWING LOCATIONS. SPECIAL ATTENTION, COORDINATION WITH DIVISION, AND TEMPORARY DRAINAGE WILL BE NEEDED IN THESE AREAS.
- * -L- FROM STA 16+00+/- TO STA 20+00+/-
 - * -L- FROM STA 25+00+/- TO STA 30+50+/-
 - * -LREV1- FROM STA 29+50+/- TO STA 36+00+/-
 - * -LREV1- FROM STA 96+00+/- TO STA 103+96+/-
 - * -L- FROM STA 133+16+/- TO STA 136+83+/-
 - * -L- FROM STA 144+50+/- TO STA 159+32+/-
 - * -L- FROM STA 164+00+/- TO STA 185+00+/-
 - * -L- FROM STA 185+00+/- TO STA 208+50+/-
 - * -L- FROM STA 225+00+/- TO STA 232+50+/-
 - * -L- FROM STA 240+00+/- TO STA 253+80+/-
 - * -LREV3- FROM STA 260+00+/- TO STA 278+50+/-
 - * -LREV3- FROM STA 278+50+/- TO STA 291+00+/-
 - * -LREV3- FROM STA 302+38+/- TO STA 314+00+/-
 - * -L- FROM STA 317+00+/- TO STA 329+87+/-
 - * -L- FROM STA 334+25+/- TO STA 355+00+/-
 - * -L- FROM STA 328+50+/- TO STA 366+00+/-
 - * -L- FROM STA 371+00+/- TO STA 375+00+/-
 - * -L- FROM STA 380+50+/- TO STA 388+50+/-
- TT) PROPOSED STRUCTURES ARE TO BE CONSTRUCTED AS TRAFFIC BEARING BOXES IF THEY WILL BE UNDER ACTIVE TRAVEL LANES AT ANY TIME DURING THE CONSTRUCTION PROCESS.
- UU) PROVIDE FOUR (4) ADDITIONAL CMS BOARDS FOR USE ALONG THE PROJECT IN ADDITION TO THOSE REQUIRED IN THE ROADWAY STANDARD DRAWINGS.

LOCAL NOTES

- LN-1 WEDGE ADJACENT Y-LINES AND PAVED DRIVES TO MAINTAIN ACCESS.
- LN-2 TEMPORARY PAVEMENT IN THIS LOCATION IS FOR PCB PLACEMENT AND NOT CONSIDERED TRAFFIC BEARING. MINIMUM DEPTH IS ONE LAYER OF SURFACE COURSE.
- LN-3 USE DRUMS AND BARRICADES TO BLOCK UNUSED LANES.
- LN-4 USE RSD 1101.11 TO DETERMINE LENGTH OF LANE SHIFT REQUIRED TO PROVIDE TEMPORARY TIES TO EXISTING PAVEMENT MARKINGS.
- LN-5 DO NOT CONSTRUCT MEDIAN CURB AND GUTTER AT THIS TIME.
- LN-6 STATION EQUALITY OCCURS IN THIS AREA.
- LN-7 COMPLETE TEMPORARY PAVEMENT &/OR TEMPORARY PAVEMENT MARKING BEGUN IN PHASE I, STEP 3 AND SHIFT TRAFFIC PRIOR TO BEGINNING WORK IN THIS AREA.
- LN-8 WORK IN THIS AREA INCLUDES CULVERT AT STA 245+00+/- AND/OR STA 278+50+/-.
- LN-9 BORE AND JACK 60" PIPE AT STA 340+60+/-, THEN COLLAR AND EXTEND PRIOR TO PROPOSED CONSTRUCTION AT STREAM AND PRIOR TO PLUGGING THE EXISTING CROSS-PIPE.
- LN-10 POLES FOR EXISTING SIGNALS AT -Y3-, -Y5-, -Y10-, -Y13-, -Y15-, -Y16- & -Y19- WILL NEED TO BE RELOCATED FOR PHASE I, STEP 4 CONSTRUCTION. EXISTING SIGNAL POLES AT -Y12- AND -Y14- WILL NOT BE REQUIRED TO BE RELOCATED UNTIL PHASE II.
- LN-11 RELOCATE SIGNAL POLE(S) PRIOR TO PROCEEDING WITH THIS TASK.
- LN-12 TEMPORARY SIGNAL REQUIRED.
- LN-13 WEDGE EXISTING PAVEMENT / CURRENT TRAVEL LANES(S) TO PROVIDE SMOOTH TRANSITION TO WIDENED AREA AND MAINTAIN POSITIVE DRAINAGE.
- LN-14 REMOVE EXISTING 72" CSP CONSTRUCT CULVERT EXTENSION ON RIGHT SIDE.
- LN-15 COORDINATE WITH ABERDEEN CAROLINA & WESTERN RAILROAD PRIOR TO AND DURING CONSTRUCTION.
- LN-16 USING RSD 1101.02 (SHEET 1 OF 9), WEDGE EXISTING NC 211 FROM -LREV3- STA 291+58+/- TO STA 292+64+/- AND WESTGATE DRIVE AS NEEDED TO MAINTAIN ACCESS.
- LN-17 COORDINATE INSTALLATION OF PROPOSED DRAINAGE IN THE AREA OF -Y11- WITH THE DIVISION OFFICE SO THAT THE CONSTRUCTION OCCURS DURING THE ENTRY GATE RELOCATION AT -Y11- FOR GATE RELOCATION. (NOT A PART OF THESE PLANS).
- LN-18 DO NOT CLOSE -Y2- (EDGEWOOD TERRACE DR) UNTIL -Y1- (NC 73) RAILROAD WORK IS COMPLETED.
- LN-19 USE TYPE III BARRICADES TO CLOSE -Y2- (EDGEWOOD TERRACE DR.) AT -L- AND ON THE OPPOSITE SIDE OF THE RAILROAD.
- LN-20 INSTALL MEDIAN DRAINAGE AFTER SHIFTING TRAFFIC TO TEMPORARY ALIGNMENT (TA#1). USE MEDIAN AREA FOR TEMPORARY DITCH.
- LN-21 A SPEED LIMIT REDUCTION ORDINANCE WILL BE ISSUED FOR THE 55 MPH SPEED LIMIT AREA ON NC 211 ONCE TRAFFIC IS PLACED IN THE PHASE II PATTERN AND WILL BE CONTINUED THRU PHASE IV. THE WORK ZONE SPEED LIMIT WILL BE ESTABLISHED IN COLLABORATION BETWEEN THE REGIONAL TRAFFIC ENGINEER, THE DIVISION AND THE WORK ZONE TRAFFIC CONTROL SECTION. COORDINATE WITH THE ENGINEER A MINIMUM OF 30 DAYS PRIOR TO SHIFTING TRAFFIC TO THE PHASE II PATTERN IN ORDER TO ALLOW SUFFICIENT TIME TO IMPLEMENT THE SPEED REDUCTION ORDINANCE. REMOVE ALL 55 MPH SIGNS THROUGHOUT THE PROJECT AND REPLACE WITH 45 MPH SIGNS. REMOVE ALL REDUCE SPEED AHEAD SIGNS IN ADVANCE OF THE CURRENT 45 MPH ZONES. PLACE CMS BOARDS IN EACH DIRECTION ON NC 211, 500' +/- IN ADVANCE OF THE 45 MPH ZONE AND LEAVE IN PLACE FOR TWO WEEKS. MESSAGES TO DISPLAY ARE SHOWN BELOW:
- | | |
|---------------|---------------|
| MESSAGE NO. 1 | MESSAGE NO. 2 |
| SPEED LIMIT | SPEED LIMIT |
| 45 MPH | ENFORCED |
- LN-22 COMPLETE CURB AND GUTTER AS MUCH AS POSSIBLE PRIOR TO ICT. ONCE ICT WORK IS FINISHED, CONTINUE ANY REMAINING CURB AND GUTTER UNTIL COMPLETED. PROTECT WITH DRUMS UNTIL FULLY CURED.

CHANGEABLE MESSAGE SIGN

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

| | | |
|--|---|--|
| APPROVED: <i>[Signature]</i> DATE: 9-1-11  |  | <p>TRANSPORTATION OPERATIONS PLAN</p> |
|--|---|--|

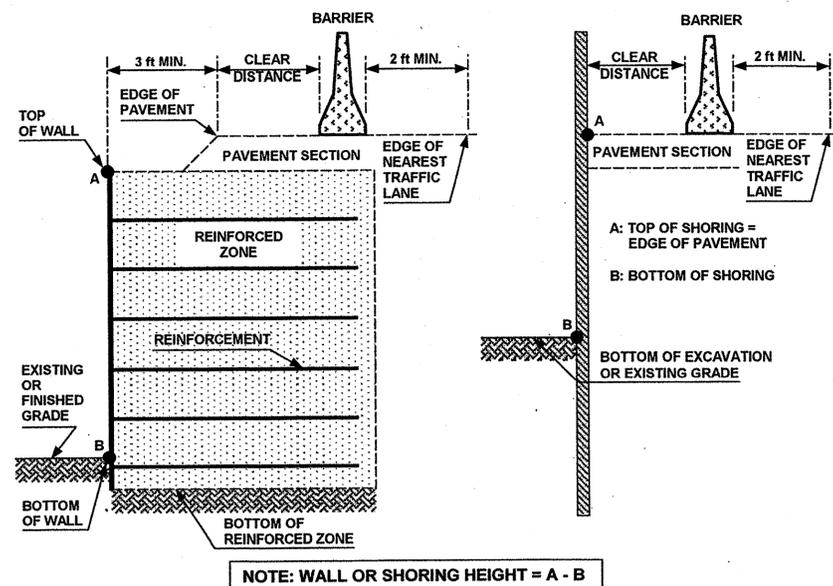


FIGURE A

NOTES

- REFER TO THE TRAFFIC CONTROL PLANS FOR SHORING LOCATIONS AND SOIL PARAMETERS.
- REFER TO THE "TEMPORARY SHORING" PROJECT SPECIAL PROVISION FOR MORE INFORMATION ABOUT TEMPORARY SHORING, MEASUREMENT AND PAYMENT.
- PROVIDE PORTABLE CONCRETE BARRIER TO PROTECT TEMPORARY SHORING IF SHORING IS LOCATED WITHIN THE CLEAR ZONE AS DEFINED IN THE AASHTO ROADSIDE DESIGN GUIDE. DO NOT PLACE BARRIER DIRECTLY ON ANY SURFACE OTHER THAN ASPHALT OR CONCRETE. (CONTACT NCDOT PAVEMENT MANAGEMENT UNIT FOR APPLICABLE PAVEMENT DESIGN).
- BASED ON THE CLEAR DISTANCE, OFFSET, DESIGN SPEED AND PAVEMENT TYPE, CHOOSE AN UNANCHORED PCB, ANCHORED PCB OR AN OREGON BARRIER FROM THE TABLE SHOWN IN FIGURE B. FOR TRAFFIC LANES AND PORTABLE CONCRETE BARRIER LOCATED ABOVE AND BEHIND TEMPORARY SHORING, THE FOLLOWING ARE DEFINED AS:
 - CLEAR DISTANCE - HORIZONTAL DISTANCE FROM THE BACK FACE OF THE BARRIER TO THE EDGE OF PAVEMENT FOR TEMPORARY MSE WALL OR TO THE FACE OF NON-ANCHORED TEMPORARY SHORING AS SHOWN IN FIGURE A.
 - OFFSET - HORIZONTAL DISTANCE FROM THE FRONT FACE OF THE BARRIER TO CENTERLINE OF THE FURTHEST TRAFFIC LANE AS SHOWN IN FIGURE B FOR 3 TRAFFIC LANES.
- AT THE CONTRACTOR'S OPTION OR IF THE MINIMUM REQUIRED CLEAR DISTANCE IS NOT AVAILABLE, SET AN UNANCHORED PCB AGAINST THE TRAFFIC SIDE OF THE SHORING AND DESIGN SHORING FOR TRAFFIC IMPACT OR USE THE "SURCHARGE CASE WITH TRAFFIC IMPACT" FOR THE STANDARD TEMPORARY SHORING. DO NOT PLACE BARRIER DIRECTLY ON ANY SURFACE OTHER THAN ASPHALT OR CONCRETE. (CONTACT NCDOT PAVEMENT MANAGEMENT UNIT FOR APPLICABLE PAVEMENT DESIGN).
- USE NCDOT PORTABLE CONCRETE BARRIER (PCB) IN ACCORDANCE WITH ROADWAY STANDARD DRAWING NO. 1170.01 AND SECTION 1170 OF THE STANDARD SPECIFICATIONS.
- USE OREGON TALL F-SHAPE CONCRETE BARRIER IN ACCORDANCE WITH DETAIL DRAWING AND SPECIAL PROVISION OBTAINED FROM: WORK ZONE TRAFFIC CONTROL UNIT WEB PAGE.
- UNLESS NOTED OTHERWISE ON THE PLANS, SET PORTABLE CONCRETE BARRIER WITH A MINIMUM DISTANCE OF 2 FT BETWEEN THE FRONT FACE OF THE BARRIER AND THE EDGE OF THE NEAREST TRAFFIC LANE AS SHOWN IN FIGURE A.
- FOR PORTABLE CONCRETE BARRIER ABOVE AND BEHIND TEMPORARY MSE WALLS, PROVIDE A MINIMUM DISTANCE OF 3 FT BETWEEN THE EDGE OF PAVEMENT AND THE WALL FACE AS SHOWN IN FIGURE A. IF THESE MINIMUM REQUIRED DISTANCES ARE NOT AVAILABLE, CONTACT THE ENGINEER.
- TABLE SHOWN IN FIGURE B IS BASED ON NCDOT RESEARCH PROJECT NO. 2005-010 WITH VEHICLE TYPE USED FOR NCHRP 350 CRASH TESTS. BARRIER DEFLECTIONS AND RESULTING MINIMUM REQUIRED CLEAR DISTANCES MIGHT VARY SIGNIFICANTLY FOR LARGER HEAVIER VEHICLES, RUNS OF BARRIER LESS THAN 200' IN LENGTH AND WET OR DRY PAVEMENT.

MINIMUM REQUIRED CLEAR DISTANCE, inches

| Barrier Type | Pavement Type | Offset * ft | Design Speed, mph | | | | | |
|--------------------------------|--|----------------|--------------------------|-------|-------|-------|-------|-------|
| | | | <30 | 31-40 | 41-50 | 51-60 | 61-70 | 71-80 |
| Unanchored PCB | Asphalt | <8 | 24 | 26 | 29 | 32 | 36 | 40 |
| | | 8-14 | 26 | 28 | 31 | 35 | 38 | 42 |
| | | 14-20 | 27 | 29 | 34 | 36 | 39 | 43 |
| | | 20-26 | 28 | 31 | 35 | 38 | 40 | 44 |
| | | 26-32 | 29 | 32 | 36 | 39 | 42 | 45 |
| | | 32-38 | 30 | 34 | 38 | 41 | 43 | 46 |
| | | 38-44 | 31 | 34 | 41 | 43 | 45 | 48 |
| | | 44-50 | 31 | 35 | 41 | 43 | 46 | 49 |
| | | 50-56 | 32 | 36 | 42 | 44 | 47 | 50 |
| | >56 | 32 | 36 | 42 | 45 | 47 | 51 | |
| | Concrete | <8 | 17 | 18 | 21 | 22 | 25 | 26 |
| | | 8-14 | 19 | 20 | 23 | 25 | 26 | 29 |
| | | 14-20 | 22 | 22 | 24 | 26 | 28 | 31 |
| | | 20-26 | 23 | 24 | 26 | 27 | 30 | 34 |
| | | 26-32 | 24 | 25 | 27 | 28 | 32 | 35 |
| | | 32-38 | 24 | 26 | 27 | 30 | 33 | 36 |
| | | 38-44 | 25 | 26 | 28 | 30 | 34 | 37 |
| | | 44-50 | 26 | 26 | 28 | 32 | 35 | 37 |
| 50-56 | | 26 | 26 | 28 | 32 | 35 | 38 | |
| >56 | 26 | 27 | 29 | 32 | 36 | 38 | | |
| Anchored PCB or Oregon Barrier | Asphalt | All Offsets | 24 for All Design Speeds | | | | | |
| Anchored PCB or Oregon Barrier | Concrete (including bridge approach slabs) | All Offsets | 12 for All Design Speeds | | | | | |

* See Figure Below

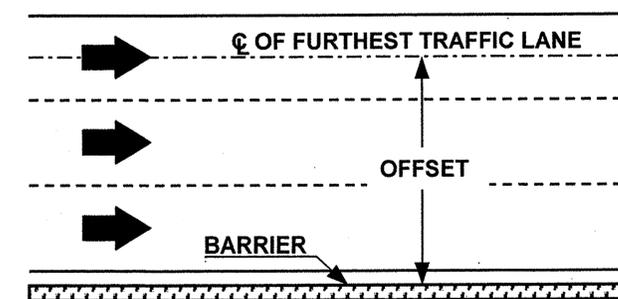
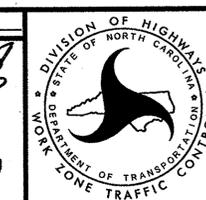


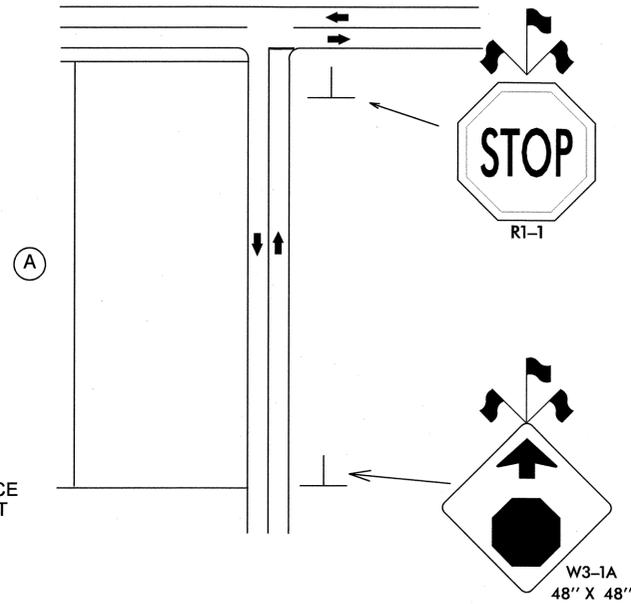
FIGURE B

APPROVED: *[Signature]* DATE: *[Date]*
 SEAL: 028380
 Sept 10 2010



PORTABLE CONCRETE BARRIER
 AT
 TEMPORARY SHORING LOCATIONS

TRAFFIC CONTROL TREATMENT FOR
 NEW / TEMPORARY STOP LOCATION

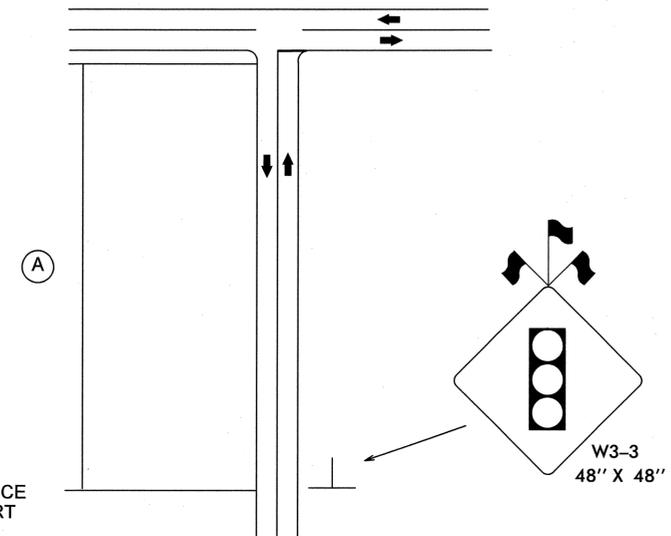


REFER TO RSD 1101.11
 SHEET 4 OF 4 FOR ADVANCE
 WARNING SPACING CHART

TO BE USED AT THE
 FOLLOWING -Y- LINES

- Y1-
- Y7-
- Y8-
- Y11-
- Y17-

TRAFFIC CONTROL TREATMENT FOR
 NEW / TEMPORARY SIGNAL LOCATION



REFER TO RSD 1101.11
 SHEET 4 OF 4 FOR ADVANCE
 WARNING SPACING CHART

TO BE USED AT THE
 FOLLOWING -Y- LINES

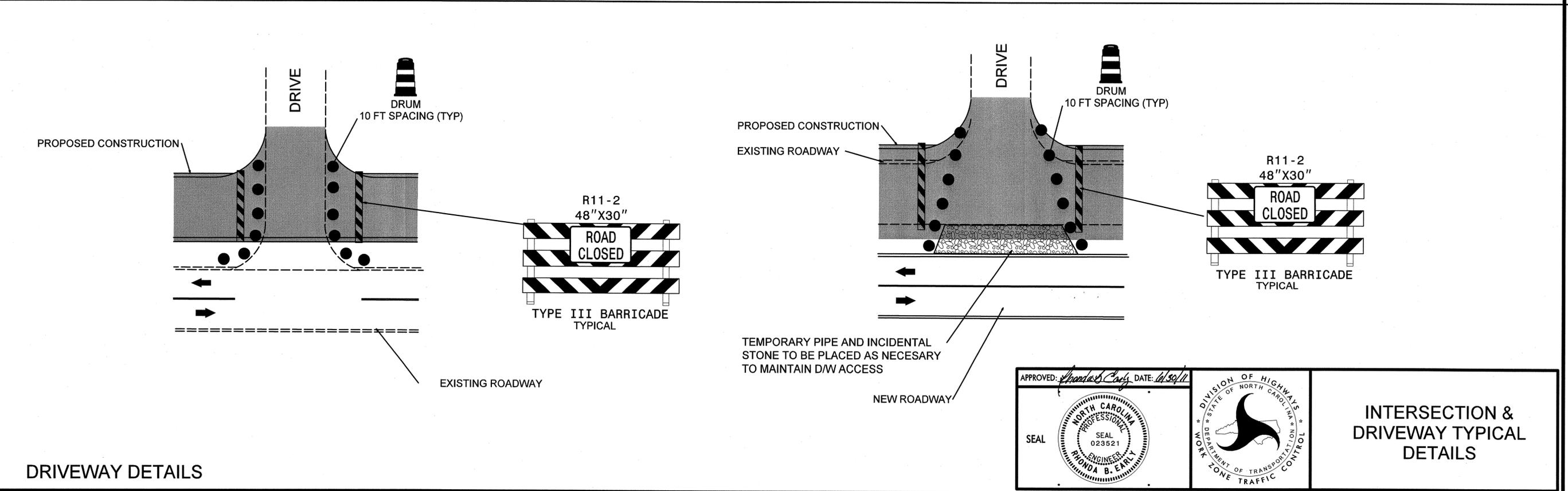
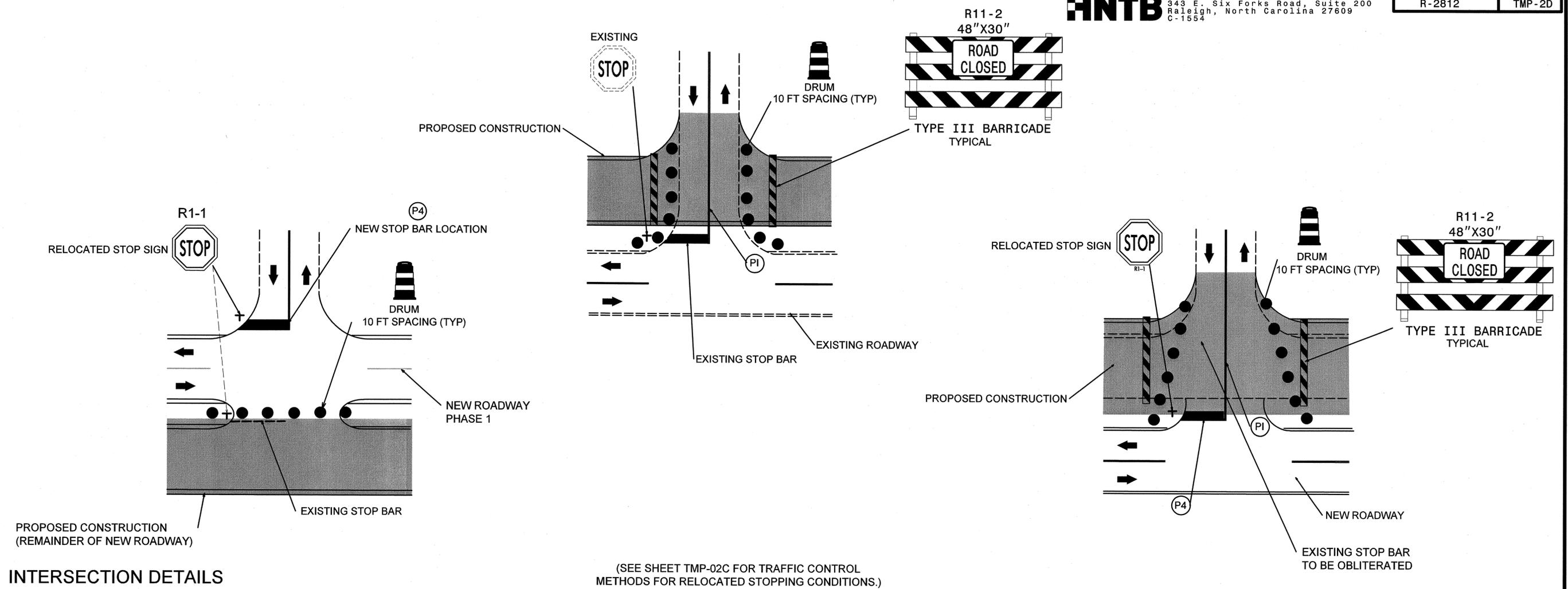
- Y3-
- Y5-
- Y10-
- Y12-
- Y13-
- Y14-
- Y15-
- Y16-
- Y19-

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

APPROVED: *[Signature]* DATE: 4/20/11

SEAL

**INTERSECTION
 DETAILS**



APPROVED: *Phonda B. Early* DATE: 10/20/11

SEAL
 NORTH CAROLINA
 PROFESSIONAL
 SEAL
 023521
 ENGINEER
 PHONDA B. EARLY

DIVISION OF HIGHWAYS
 STATE OF NORTH CAROLINA
 DEPARTMENT OF TRANSPORTATION
 WORK ZONE TRAFFIC CONTROL

INTERSECTION & DRIVEWAY TYPICAL DETAILS

3:42:50 PM
 \\p2822\c\tmp02d\drives in const.dgn
 \$\$\$USERNAME\$\$\$

PHASING

NOTES:

REPLACE MARKINGS AND RETURN TRAFFIC TO THE CURRENT TRAFFIC PATTERN AT THE END OF EACH WORK PERIOD UNLESS OTHERWISE NOTED IN THE PHASING OR DIRECTED BY THE ENGINEER.

MAINTAIN VEHICULAR ACCESS TO ALL RESIDENCES AND BUSINESSES DURING THE LIFE OF THE CONTRACT UNLESS OTHERWISE NOTED IN THE PHASING OR DIRECTED BY THE ENGINEER.

COMPLETE ANY PROPOSED WIDENING IN SUCH A MANNER THAT PONDING OF WATER WILL NOT OCCUR IN THE TRAVEL LANE. THIS WILL REQUIRE A COMBINATION OF INSTALLATION OF PROPOSED PIPES, TEMPORARY PIPES, STEEL PLATES, AND TEMPORARY MEDIAN AND OUTSIDE DITCHES.

PAVE PROPOSED CONSTRUCTION, UP TO BUT NOT INCLUDING THE FINAL LAYER OF SURFACE COURSE, IN ALL PHASES UNTIL STATED TO INSTALL FINAL LAYER IN THE PHASING.

PHASE I (SEE PHASE I OVERVIEWS, SHEETS TMP-4 THRU TMP-8)

NOTE: REFER TO GENERAL NOTES QQ, RR & SS.

STEP 1:

INSTALL ADVANCED WORK ZONE WARNING SIGNS ON -L- (NC 211) AND ALL -Y-LINES. (SEE SHEET TMP-2B.)

STEP 2:

USING TEMPORARY LANE CLOSURES AS NEEDED, BEGIN SIGNAL POLE RELOCATION / INSTALLATION OF TEMPORARY SIGNALS AT THE FOLLOWING INTERSECTIONS ALONG NC 211: (LN-10)

- * -Y3- * -Y5- * -Y10- * -Y12- * -Y13-
- * -Y14- * -Y15- * -Y16- * -Y19-

STEP 3: (SEE SHEETS TMP-25 THRU TMP-28)

USING RSD 1101.02 (SHEET 1 OF 9) AS NEEDED, BEGIN CONSTRUCTION OF TA #8 (TEMPORARY PAVEMENT, TRANSITION GRADE AND PROPOSED LANES (LT SIDE) FROM -LREV1- STA 32+05+/- TO STA 52+00+/-) AS SHOWN ON SHEET TMP-24.

USING RSD 1101.02 (SHEET 1 OF 9), BEGIN CONSTRUCTION OF TEMPORARY PAVEMENT IN THE FOLLOWING LOCATIONS ON -L-, PLACE PAVEMENT MARKING AS SHOWN ON INDICATED PLAN SHEETS AND SHIFT TRAFFIC TO THE TEMPORARY PATTERN:

- * -L- FROM STA 148+00+/- TO STA 162+00+/- (LT SIDE) WITH TEMPORARY PAVEMENT MARKING FROM STA 147+30+/- TO STA 163+00+/- (SEE TMP-36-37)
- * -L- FROM STA 177+00+/- TO STA 186+25+/- (LT SIDE) WITH TEMPORARY PAVEMENT MARKING FROM STA 168+75+/- TO STA 186+25+/- (SEE TMP-38-39)
- * -L- FROM STA 362+21+/- TO STA 366+83+/- (LT SIDE) (LN-12) WITH TEMPORARY PAVEMENT MARKING FROM STA 356+00+/- TO STA 372+50+/- (SEE TMP-47-49)
- * -L- FROM STA 387+30+/- TO STA 394+27+/- (LT SIDE) (LN-1,13) W/ TEMPORARY PAVEMENT MARKING FROM STA 372+50+/- TO STA 396+65+/- (SEE TMP-50)

USING RSD 1101.02 (SHEET 1 OF 9), BEGIN REMOVAL & REPLACEMENT OF TEMPORARY MARKINGS ON EXISTING PAVEMENT FOR 10' LANES AND SHIFT TRAFFIC TO TEMPORARY PATTERN IN THE FOLLOWING LOCATIONS:

- * -L- FROM STA 23+50+/- TO -L- STA 31+50+/- (SEE TMP-30)
- * -LREV1- FROM STA 96+80+/- TO -L- STA 140+38+/- (SEE TMP-34 & 35) (LN-6)
- * -L- FROM STA 228+70+/- TO -L- STA 235+00+/- (SEE TMP-41)

STEP 4

USING RSD 1101.02 (SHEET 1 OF 9) AS NECESSARY, BEGIN CONSTRUCTION OF THE FOLLOWING AREAS OF PROPOSED WEDGING AND/OR WIDENING: (LN-1,13)

- * -L- STA 7+50+/- TO -L- STA 11+00+/- (RT SIDE)
- * -L- STA 11+00+/- TO -L- STA 14+50+/- (EXIST & RT SIDE)
- * -LREV1- STA 96+00+/- TO -L- STA 136+83+/- (EXIST & RT SIDE) (LN-5,6,7)
- * -L- STA 136+83+/- TO -L- STA 144+50+/- (EXIST & RT SIDE) (LN-7,11,13)
- * -L- STA 159+32+/- TO -L- STA 164+00+/- (EXIST & RT SIDE INCL -Y7-) (LN-7)
- * -L- STA 185+00+/- TO -L- STA 191+00+/- (EXIST & RT SIDE) (LN-7)
- * -LREV3- STA 256+00+/- TO -LREV3- STA 258+50+/- (EXIST & RT SIDE)
- * -LREV3- STA 272+50+/- TO -LREV3- STA 274+00+/- (RT SIDE INCL -Y11-) (LN-17)
- * -L- STA 329+87+/- TO -L- STA 333+00+/- (EXIST & LT SIDE)
- * -L- STA 367+00+/- TO -L- STA 368+00+/- (RT SIDE INCL -Y15-) (LN-11,12)
- * -L- STA 375+28+/- TO -L- STA 380+50+/- (EXIST & RT SIDE INCL -Y16-) (LN-11)
- * -L- STA 391+92+/- TO -L- STA 393+00+/- (EXIST & RT SIDE) (LN-1,7)
- * -L- STA 410+21+/- TO -L- STA 412+22+/- (RT SIDE)

AWAY FROM TRAFFIC, BEGIN AS MUCH PROPOSED CONSTRUCTION AS POSSIBLE ON THE RIGHT SIDE OF -L- IN THE FOLLOWING LOCATIONS:

- * -L- STA 25+00+/- TO STA 30+50+/- (LN-5,7)
- * -LREV1- STA 29+50+/- TO STA 36+00+/- (LN-5)
- * -LREV1- STA 52+00+/- TO STA 96+00+/-
- * -L- STA 144+50+/- TO STA 159+32+/- (LN-5,7)
- * -L- STA 164+00+/- TO STA 175+00+/- (LN-5)
- * -L- STA 214+50+/- TO STA 231+50+/- (LN-7)
- * -LREV3- STA 258+50+/- TO STA 272+50+/-
- * -LREV3- STA 280+00+/- TO STA 296+00+/- (LN-1,16)
- * -L- STA 360+00+/- TO STA 367+00+/- (LN-5,7)
- * -L- STA 368+00+/- TO STA 375+28+/- (LN-5)
- * -L- STA 380+50+/- TO STA 388+50+/- (LN-7)
- * -L- STA 390+50+/- TO STA 391+92+/- (LN-7)
- * -L- STA 393+00+/- TO STA 394+50+/- (LN-7)

PHASE I (CONTINUED)

STEP 4: (CONTINUED)

USING RSD 1101.02 (SHEET 1 OF 9) AS NECESSARY, BEGIN CONSTRUCTION OF THE FOLLOWING AREAS OF WIDENING UP TO EXISTING EDGE AND ELEVATION:

- * -L- STA 14+50+/- TO -L- STA 16+00+/- (RT SIDE)
- * -L- STA 30+50+/- TO -L- STA 35+11+/- (RT SIDE) (TEMP PVMT) (LN-7)
- * -L- STA 175+00+/- TO -L- STA 185+00+/- (RT SIDE) (LN-5,7)
- * -L- STA 191+00+/- TO -L- STA 195+00+/- (RT SIDE)
- * -LREV3- STA 252+50+/- TO -LREV3- STA 256+00+/- (RT SIDE) (TEMP PVMT) (LN-6)
- * -L- STA 394+50+/- TO -L- STA 410+21+/- (RT SIDE) (TEMP PVMT) (LN-1,11,12)

USING RSD 1101.02 (SHEET 1 OF 9) AS NECESSARY, BEGIN CONSTRUCTION OF THE FOLLOWING TEMPORARY ALIGNMENTS (TA) / TRANSITION GRADES FROM EXISTING TO PROPOSED:

- * TA #1 -L- FROM STA 19+14+/- TO STA 25+00+/- (RT SIDE) (LN-5,7,20)
- * TA #2 -LREV1- FROM STA 21+05+/- TO STA 29+50+/- (RT SIDE) (LN-1,11,12)
- * TA #3 -LREV1- FROM STA 36+00+/- TO STA 44+00+/- (RT SIDE)
- * TA #3 -LREV1- FROM STA 44+00+/- TO STA 52+00+/- (RT SIDE)
- * TA #4 -L- FROM STA 207+84+/- TO STA 214+50+/- (RT SIDE) (LN-11,12)
- * TA #5 -L- FROM STA 231+50+/- TO STA 240+00+/- (RT SIDE) (LN-7)
- * TA #6 -LREV3- FROM STA 296+00+/- TO STA 303+66+/- (RT SIDE)
- * TA #7 -L- FROM STA 350+82+/- TO STA 360+00+/- (RT SIDE)

COMPLETE CONSTRUCTION OF LEFT SIDE AND TEMPORARY PAVEMENT FROM -LREV1- STA 32+05+/- TO STA 52+00+/- (LT SIDE) BEGUN IN STEP 3. PLACE TEMPORARY PAVEMENT MARKING AS SHOWN ON SHEETS TMP-32 & TMP-33 AND SHIFT TRAFFIC TO TEMPORARY PATTERN IN ORDER TO CONSTRUCT MEDIAN DRAINAGE.

STEP 5:

AWAY FROM TRAFFIC, BEGIN AS MUCH PROPOSED CONSTRUCTION AS POSSIBLE ON THE LEFT SIDE OF -L- IN THE FOLLOWING LOCATIONS:

- * -L- STA 16+00+/- TO -L- STA 20+00+/- (LN-5,20)
- * -L- STA 35+00+/- TO -LREV1- STA 21+05+/- (LN-6)
- * -LREV1- STA 56+00+/- TO -LREV1- STA 73+00+/-
- * -LREV1- STA 82+00+/- TO -LREV1- STA 90+00+/-
- * -L- STA 185+00+/- TO -L- STA 208+50+/- (LN-1,7)
- * -L- STA 240+00+/- TO -L- STA 253+35+/- (LN-8)
- * -LREV3- STA 253+35+/- TO -LREV3- STA 253+75+/-
- * -LREV3- STA 302+38+/- TO -LREV3- STA 312+59+/-
- * -LREV3- STA 315+72+/- TO -L- STA 329+87+/- (LN-6)
- * -L- STA 334+25+/- TO -L- STA 352+50+/- (LN-9)

STEP 6: (SEE TMP-44)

USING RSD 1101.02 (SHEET 1 OF 9) AS NEEDED, PLACE TEMPORARY PAVEMENT ALONG RIGHT SIDE OF -LREV3- FROM STA 277+06+/- TO STA 279+82+/- AND PROCEED WITH THE STEPS 6A THRU 6C. (LN-2,8)

- A. USING TEMPORARY LANE CLOSURES, PLACE PCB AND CRASH CUSHIONS ON THE TEMPORARY PAVEMENT ON -LREV3- FROM STA 277+32+/- TO STA 279+52+/-.
- B. INSTALL TEMPORARY SHORING #1 FROM STA 277+80+/- TO STA 278+78+/- AND BEGIN CONSTRUCTION OF RIGHT SIDE OF RCBC. (SEE SHEET TMP-44.)
- C. ONCE CULVERT IS COMPLETE, AWAY FROM TRAFFIC INSTALL TEMPORARY SHORING #2 FROM STA 277+56+/- TO STA 278+91+/- AND BEGIN CONSTRUCTION OF -LREV3- FROM STA 274+00+/- TO STA 280+00+/- (RT SIDE).

STEP 7 (LN-3,4,7,12,20,21)

USING RSD 1101.02 (SHEET 1 OF 9) AS NEEDED, COMPLETE WORK ON THE RIGHT SIDE OF -L- BEGUN EARLIER FROM STA 7+50+/- TO STA 303+66+/- . PLACE PCB AND CRASH CUSHIONS ON -LREV3- FROM STA 277+46+/- TO STA 279+96+/- (LT OF EBL). PLACE TEMPORARY PAVEMENT MARKING AND SHIFT TRAFFIC TO NEW PATTERN SHOWN IN PHASE II (SEE TMP-53 THRU TMP-73). (LN-21)

COMPLETE WORK BEGUN IN PHASE I, STEPS 2 & 4 IN THE AREA INCLUDING -L- STA 350+82+/- TO END OF PROJECT. (LN-21)

COMPLETE THE REQUIREMENTS OF PHASE I, STEP 8 IN 58 CONSECUTIVE HOURS FROM 8:00PM FRIDAY NIGHT TO 6:00AM MONDAY MORNING. (LN-22) (SEE INTERMEDIATE CONTRACT TIME AND LIQUIDATED DAMAGES.)

STEP 8: (SEE SHEET TMP-52)

USING RSD 1101.03 (SHEET 1 OF 9), CLOSE -Y17- (DUNDEE RD) AND PLACE IN AN OFFSITE DETOUR THEN COMPLETE THE FOLLOWING ACTIVITIES:

- A. AWAY FROM TRAFFIC, CONSTRUCT OR COMPLETE CONSTRUCTION OF -L- FROM STA. 388+50+/- TO STA. 390+50+/- . (LN-22)
- B. AWAY FROM TRAFFIC, CONSTRUCT -Y17- (DUNDEE RD). (LN-22)
- C. AFTER COMPLETING STEPS 8A AND 8B, USING RSD 1101.02 (SHEET 1 OF 9), WEDGE -L- FROM STA. 388+50 TO STA. 390+81+/- -L- (TO MAINTAIN PHASE II TRAFFIC TO THE HOSPITAL ENTRANCE), CONSTRUCT TEMPORARY PAVEMENT IN THE MEDIAN FROM STA 289+75+/- TO STA 390+81+/-, PLACE REMAINDER OF TEMPORARY MARKINGS AND MARKERS IN THE PHASE II PATTERN FROM STA. 350+82+/- -L- TO STA. 411+18+/- -L-, ACTIVATE TEMPORARY SIGNALS AT -Y15-, -Y16-, AND -Y19- AND SHIFT TRAFFIC TO THE PHASE II PATTERN FROM STA 350+82 TO THE END OF PROJECT. (LN-1,3,4, 12,21,22)

SEE LOCAL NOTE LN-21 FOR SPEED LIMIT REDUCTION.

PHASE II - (SEE PHASE II OVERVIEWS, SHEETS TMP-9 THRU TMP-13)

STEP 1:

USING RSD 1101.02 (SHEETS 1 AND 3 OF 9) AS NECESSARY, CONTINUE PROPOSED CONSTRUCTION (ON LEFT SIDE OF -L-) BEGUN IN PHASE I AND BEGIN CONSTRUCTION OF THE FOLLOWING: (LN-1,13)

- * -L- FROM STA 11+26+/- TO STA 16+00+/- (LT SIDE)
- * -L- FROM STA 20+00+/- TO STA 35+00+/- (LT SIDE)
- * -LREV1- FROM STA 21+05+/- TO STA 56+00+/- (LT SIDE)
- * -LREV1- FROM STA 73+00+/- TO STA 82+00+/- (LT SIDE)
- * -LREV1- FROM STA 90+00+/- TO STA 103+96+/- (LT SIDE)
- * -L- FROM STA 133+16+/- TO STA 140+00+/- (LT SIDE)
- * -L- FROM STA 141+10+/- TO STA 195+00+/- (LT SIDE)
- * -L- FROM STA 195+00+/- TO STA 202+67+/- (LT SIDE)
- * -L- FROM STA 202+67+/- TO STA 209+50+/- (LT SIDE)
- * -L- FROM STA 213+50+/- TO STA 240+00+/- (LT SIDE)
- * -LREV3- FROM STA 253+75+/- TO STA 301+15+/- (LT SIDE) (LN-8)
- * -L- FROM STA 352+50+/- TO STA 366+70+/- (LT SIDE)
- * -L- FROM STA 368+07+/- TO STA 375+25+/- (LT SIDE)
- * -L- FROM STA 375+25+/- TO STA 380+50+/- (INCL -Y16-)
- * -L- FROM STA 380+50+/- TO STA 389+00+/- (LT SIDE)
- * -L- FROM STA 397+50+/- TO STA 405+50+/- (LT SIDE)
- * -L- FROM STA 405+50+/- TO STA 412+38+/- (LT SIDE)

USING RSD 1101.02 (SHEET 1 OF 9) AS NECESSARY, BEGIN CONSTRUCTION OF TEMPORARY PAVEMENT OFF PROPOSED LEFT SIDE IN THE MEDIAN AT THE FOLLOWING LOCATIONS:

- * -L- FROM STA 207+50+/- TO STA 209+29+/-
- * -L- FROM STA 389+75+/- TO STA 391+04+/-
- * -L- FROM STA 401+00+/- TO STA 407+00+/-

USING TEMPORARY LANE CLOSURES AS NEEDED, BEGIN INSTALLATION OF TEMPORARY SIGNALS FOR PHASE III AT THE FOLLOWING INTERSECTIONS ALONG NC 211:

- * -Y3- * -Y5- * -Y10- * -Y12- * -Y13-
- * -Y14- * -Y15- * -Y16- * -Y19-

STEP 2:

USING RSD 1101.02 (SHEET 1 OF 9), CONSTRUCT THE FOLLOWING, PLACE TEMPORARY PAVEMENT MARKING AND RETURN TRAFFIC TO THE PHASE II PATTERN AT THE END OF THE WORK DAY. (LN-1,13)

- * -Y9- AND -L- FROM STA 209+50+/- TO STA 212+00+/-
- * -Y12- AND -LREV3- FROM STA 301+15+/- TO STA 302+64+/-
- * -Y13- AND -LREV3- FROM STA 312+59+/- TO STA 315+72+/- (LN-11) (TEMP PVMT)
- * -Y14- AND -L- FROM STA 333+00+/- TO STA 334+25+/- (LN-11)
- * -Y15- AND -L- FROM STA 366+70+/- TO STA 368+07+/-
- * -Y18- AND -L- FROM STA 389+00+/- TO STA 396+50+/-
- * -Y19- AND -L- FROM STA 396+50+/- TO STA 397+50+/-

COMPLETE THE REQUIREMENTS OF PHASE II, STEP 3 IN 61 CONSECUTIVE HOURS FROM 6:00PM FRIDAY NIGHT TO 7:00AM MONDAY MORNING. (LN-22) (SEE INTERMEDIATE CONTRACT TIME AND LIQUIDATED DAMAGES.)

STEP 3:

USING RSD 1101.02, SHEET 1 OF 9, CONSTRUCT -Y5- AND -L- FROM STA 140+00+/- TO STA 141+10+/- . (LN-12,22)

STEP 4:

COMPLETE WORK BEGUN OR CONTINUED IN PHASE II, STEPS 1 AND 2. (LN-3)

STEP 5:

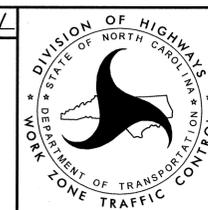
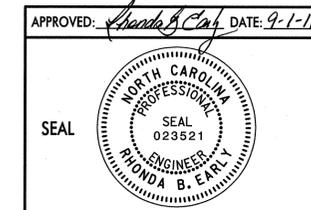
USING RSD 1101.02 (SHEET 1 OF 9), AS NECESSARY, PLACE AS MUCH TEMPORARY MARKINGS AND MARKERS AS POSSIBLE ON THE PROPOSED PAVEMENT IN THE PHASE III PATTERN WITHOUT INTERFERING WITH THE PHASE II PATTERN. (LN-3)

COMPLETE THE REQUIREMENTS OF PHASE II, STEP 6 IN 61 CONSECUTIVE HOURS FROM 6:00PM FRIDAY NIGHT TO 7:00AM MONDAY MORNING. (LN-22) (SEE INTERMEDIATE CONTRACT TIME AND LIQUIDATED DAMAGES.)

STEP 6:

USING RSD 1101.03 (SHEET 1 OF 9), CLOSE -Y10- (JUNIPER LAKE RD), PLACE SIGNAL ON FLASH, AND PLACE IN AN OFFSITE DETOUR (SEE SHEET TMP-74) THEN COMPLETE THE FOLLOWING ACTIVITIES:

- A. AWAY FROM TRAFFIC, CONSTRUCT OR COMPLETE CONSTRUCTION OF -L- FROM STA 212+00+/- TO STA 213+50+/- . (LN-11,22)
- B. AWAY FROM TRAFFIC, CONSTRUCT -Y10- (LN-22) (JUNIPER LAKE RD).
- C. AFTER COMPLETING STEPS 6A AND 6B, USING RSD 1101.02 (SHEET 1 OF 9), PLACE REMAINDER OF TEMPORARY MARKINGS AND MARKERS IN THE PHASE III PATTERN, ACTIVATE TEMPORARY SIGNALS AT ALL SIGNAL LOCATIONS AND SHIFT TRAFFIC TO THE PHASE III PATTERN. (LN-3,4,12,22)



PHASING

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

PHASING

PHASE III - (SEE PHASE III OVERVIEWS, SHEETS TMP-14 THRU TMP-18)

STEP 1:

USING RSD 1101.02 (SHEET 1 OF 9) AS NECESSARY, BEGIN / COMPLETE CONSTRUCTION OF THE FOLLOWING ON THE RIGHT SIDE OF -L-:

- * -L- FROM STA 14+50+/- TO -L- STA 25+00+/-
- * -L- FROM STA 25+00+/- TO -L- STA 30+50+/- MEDIAN C&G
- * -L- FROM STA 30+50+/- TO -LREV1- STA 10+47+/-
INCLUDING -Y2- CLOSURE (LN-6,15,18,19)
- * -LREV1- FROM STA 10+47+/- TO -LREV1- STA 27+50+/-
- * -LREV1- FROM STA 36+00+/- TO -LREV1- STA 52+00+/- MEDIAN C&G
- * -LREV1- FROM STA 96+00+/- TO -L- STA 136+83+/- MEDIAN C&G (LN-6)
- * -L- FROM STA 175+00+/- TO -L- STA 183+50+/- MEDIAN C&G
- * -L- FROM STA 183+50+/- TO -L- STA 214+50+/- INCL -Y8-
- * -L- FROM STA 231+50+/- TO -LREV3- STA 256+00+/- (LN-6,8,14)
- * -LREV3- FROM STA 296+00+/- TO -L- STA 333+00+/- INCL -Y13- (LN-1,6)
- * -L- FROM STA 334+50+/- TO -L- STA 360+00+/-
- * -L- FROM STA 391+92+/- TO -L- STA 410+21+/- INCL -Y19- (LN-1)

USING RSD 1101.02 (SHEET 1 OF 9), CONSTRUCT -Y1- RETURNING TRAFFIC TO THE PHASE III PATTERN AT THE END OF THE WORKDAY. (LN-15,18)

NOTE: PRIOR TO BEGINNING WORK IN PHASE III, STEP 2, COORDINATE WITH ABERDEEN CAROLINA, WESTERN RAILROAD AND DIVISION REGARDING CLOSURE OF -Y3- (HOFFMAN RD). CLOSURE TO COMPLETE CONSTRUCTION MUST OCCUR AT THE SAME TIME THAT RAILROAD FORCES CLOSE -Y3- (HOFFMAN RD.) TO REPLACE THE AT-GRADE CROSSING SURFACE AND INSTALL GATES & FLASHERS. (SEE SPECIAL PROVISIONS FOR CONTACT INFORMATION.)

COMPLETE REQUIREMENTS OF PHASE III, STEP 2 FROM 6:00PM FRIDAY NIGHT TO 7:00AM THE SECOND FOLLOWING MONDAY MORNING. (SEE INTERMEDIATE CONTRACT TIME AND LIQUIDATED DAMAGES.)

STEP 2:

USING RSD 1101.03 (SHEETS 1 & 2 OF 9), CLOSE -Y3- (HOFFMAN RD), BAG EXISTING SIGNAL, AND PLACE IN AN OFFSITE DETOUR (SEE SHEET TMP-87A), THEN COMPLETE THE FOLLOWING ACTIVITIES:

- A. USING RSD 1101.02 (SHEET 1 OF 9) AS NEEDED, CONSTRUCT -L- FROM STA. 27+50+/- TO STA. 29+50+/- & INSTALL TEMPORARY SIGNAL. (LN-11,12)
- B. AWAY FROM TRAFFIC, CONSTRUCT -Y3- (HOFFMAN RD)
- C. AFTER COMPLETING STEPS 2A AND 2B, USING RSD 1101.02 (SHEET 1 OF 9), PLACE TEMPORARY MARKINGS AND MARKERS, ACTIVATE TEMPORARY SIGNAL AND OPEN -Y3- TO TRAFFIC.

STEP 3:

COMPLETE CONSTRUCTION OF -L- ON THE RIGHT SIDE BEGUN IN PHASE III, STEP 1, RETURNING TRAFFIC TO THE PHASE III PATTERN AT THE END OF THE WORKDAY, THEN PLACE AS MUCH TEMPORARY MARKINGS AND MARKERS IN THE PHASE IV PATTERN ON THE RIGHT SIDE OF -L- WITHOUT INTERFERING WITH THE CURRENT PHASE III PATTERN AT THE -Y- LINE LOCATIONS.

COMPLETE THE REQUIREMENTS OF PHASE III, STEP 4 IN 61 CONSECUTIVE HOURS FROM 6:00PM FRIDAY NIGHT TO 7:00AM MONDAY MORNING. (LN-22) (SEE INTERMEDIATE CONTRACT TIME AND LIQUIDATED DAMAGES.)

STEP 4:

USING RSD 1101.03 (SHEETS 1 & 2 OF 9), CLOSE -Y14- (McKENZIE RD), ACTIVATE TEMPORARY SIGNAL, AND PLACE IN AN OFFSITE DETOUR (SEE SHEET TMP-87A), THEN COMPLETE THE FOLLOWING ACTIVITIES:

- A. AWAY FROM TRAFFIC, CONSTRUCT OR COMPLETE CONSTRUCTION OF -L- FROM STA. 333+00+/- TO STA. 334+50+/- (LN-22)
- B. AWAY FROM TRAFFIC, CONSTRUCT -Y14- (McKENZIE RD) (LN-22)
- C. AFTER COMPLETING STEPS 4A AND 4B, USING RSD 1101.02 (SHEET 1 OF 9), PLACE REMAINDER OF TEMPORARY MARKINGS AND MARKERS IN THE PHASE IV PATTERN, ACTIVATE TEMPORARY SIGNALS AT ALL SIGNAL LOCATIONS, SHIFT TRAFFIC TO THE PHASE IV PATTERN AND OPEN -Y14- TO TRAFFIC. (LN-3,4,12,22)

PHASE IV - (SEE PHASE IV OVERVIEWS, SHEETS TMP-19 THRU TMP-23)

STEP 1:

AWAY FROM TRAFFIC AND USING RSD 1101.02 (SHEET 1 OF 9) AS NECESSARY, CONSTRUCT THE MEDIAN ALONG THE ENTIRE PROJECT IN AREAS THAT WERE NOT COMPLETED IN PHASES I THRU III, INCLUDING ANY REMAINING C&G AND DRAINAGE AS WELL AS INSTALLATION OF ALL MONOLITHIC ISLANDS. (LN-3)

INSTALL FINAL SIGNALS.

STEP 2:

USING RSD 1101.02 (SHEET 1 OF 9), PLACE UP THRU THE FINAL SURFACE COURSE, PLACE TEMPORARY MARKINGS IN THE FINAL PATTERN, ACTIVATE THE FINAL SIGNALS AND PLACE TRAFFIC IN THE FINAL PATTERN. (SEE FINAL PAVEMENT MARKING PLANS.)

STEP 3:

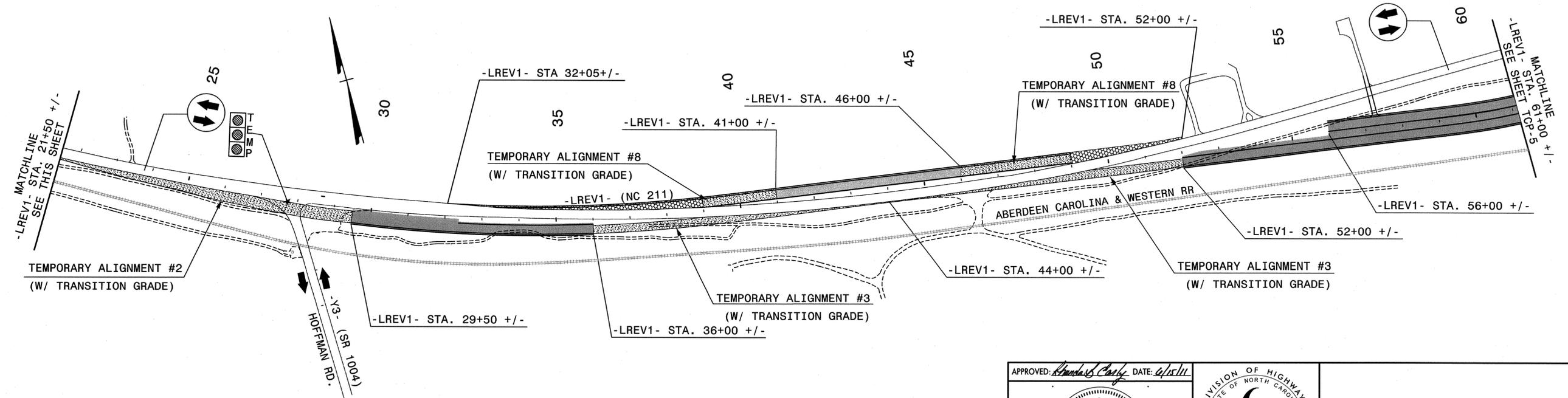
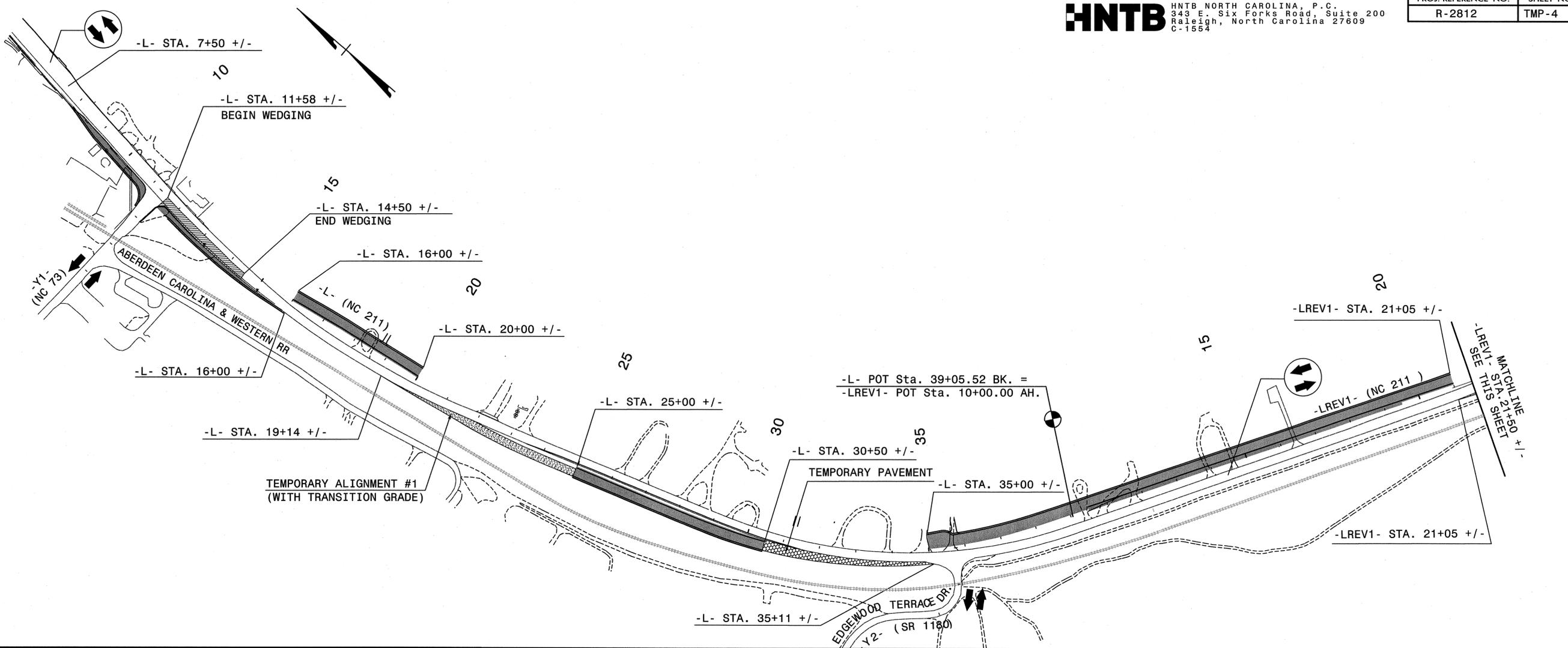
USING RSD 1101.02, SHEETS 1,3 & 9 OF 9, PLACE FINAL MARKINGS AND MARKERS ON -L- (NC 211) AND ALL Y-LINES IN THE FINAL PATTERN ACCORDING TO FINAL PAVEMENT MARKING PLANS.

STEP 4

REMOVE ALL REMAINING TRAFFIC CONTROL DEVICES.

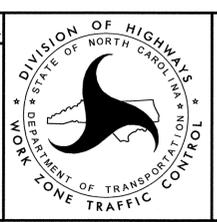
\$\$\$\$\$SYTIME\$\$\$\$\$
\$\$\$\$\$DGN\$\$\$\$\$
\$\$\$\$\$USERNAM\$\$\$\$\$

| | | | |
|---|---|---|----------------|
| APPROVED: <i>Archie S. Early</i> DATE: 9-1-11 |  |  | PHASING |
|---|---|---|----------------|

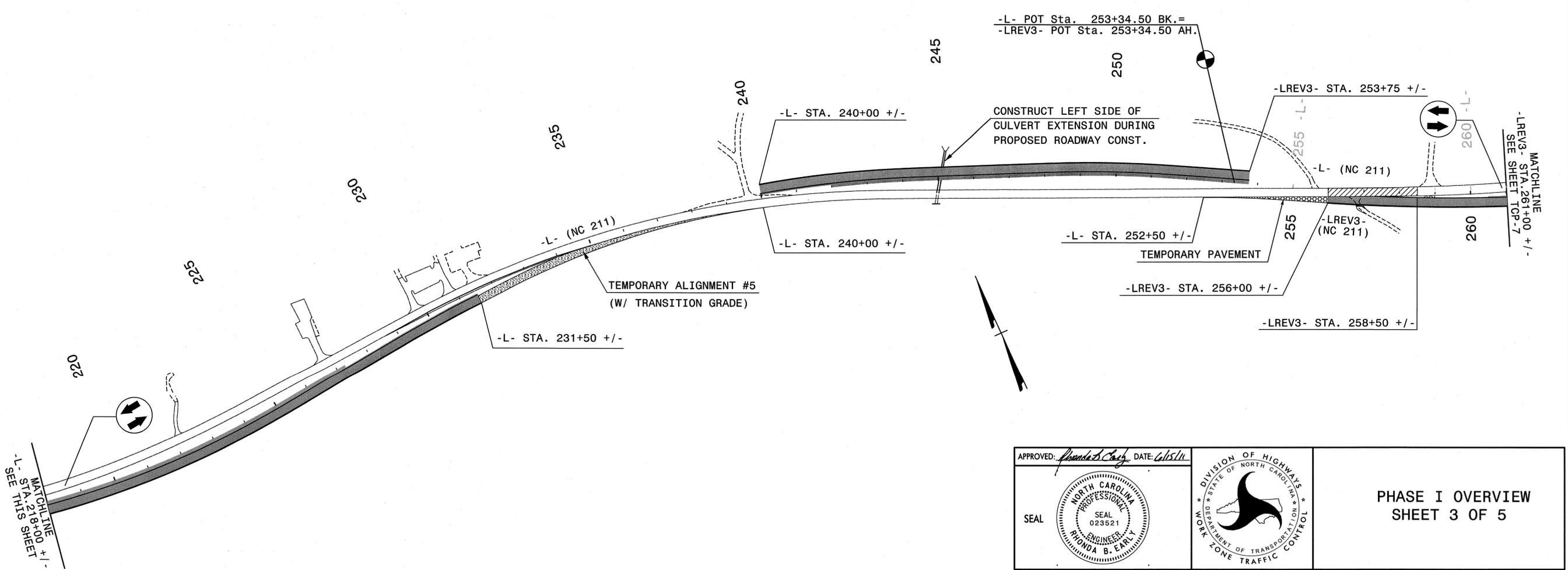
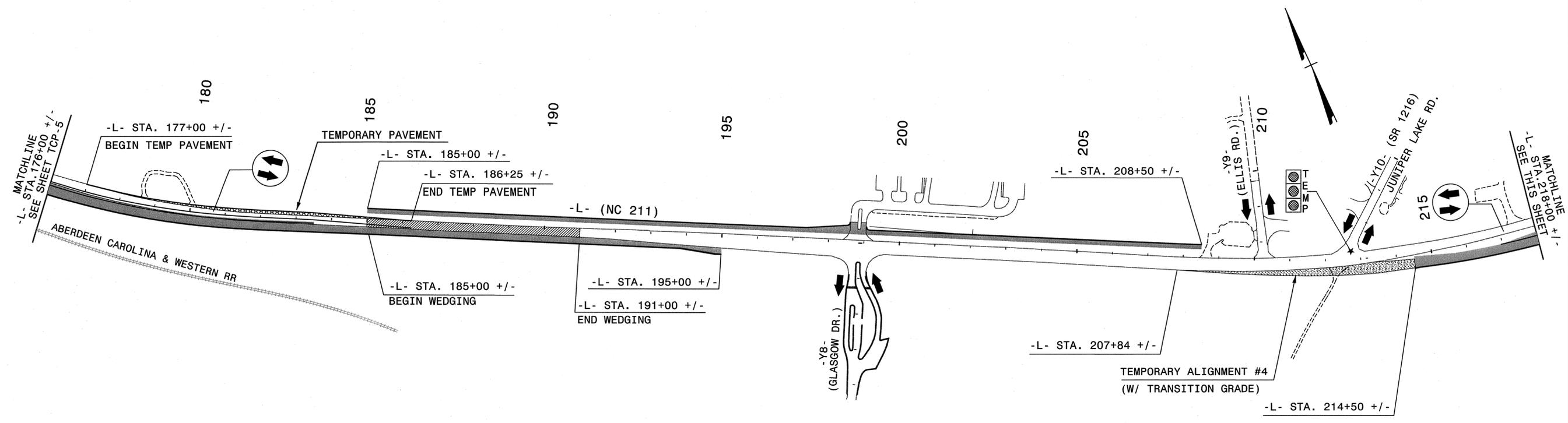


SYSTEM: DGN
 USER: JLD
 DATE: 4/15/11

APPROVED: *[Signature]* DATE: 4/15/11

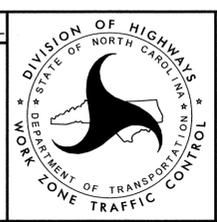
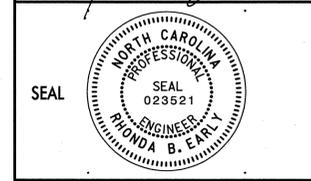


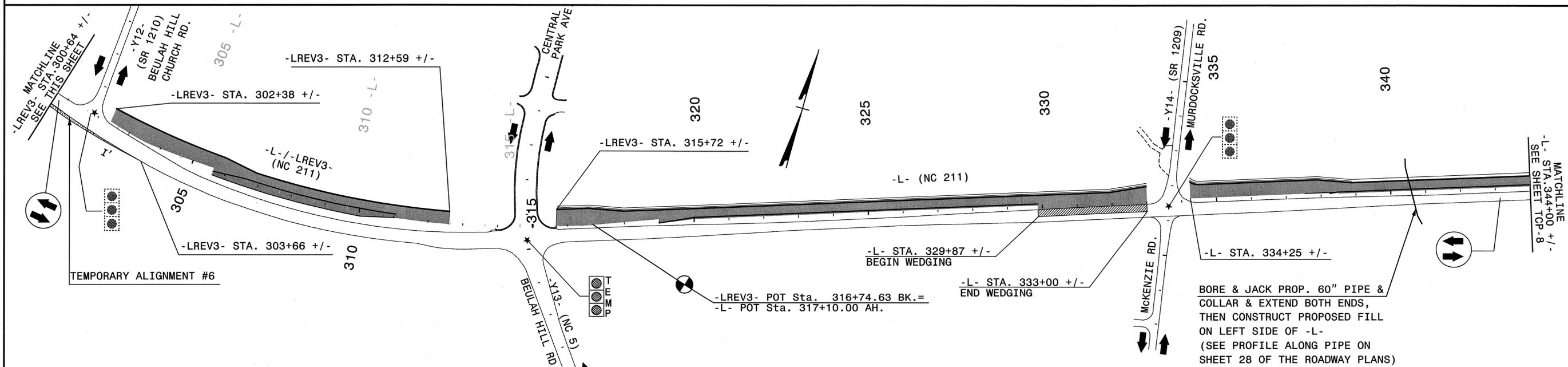
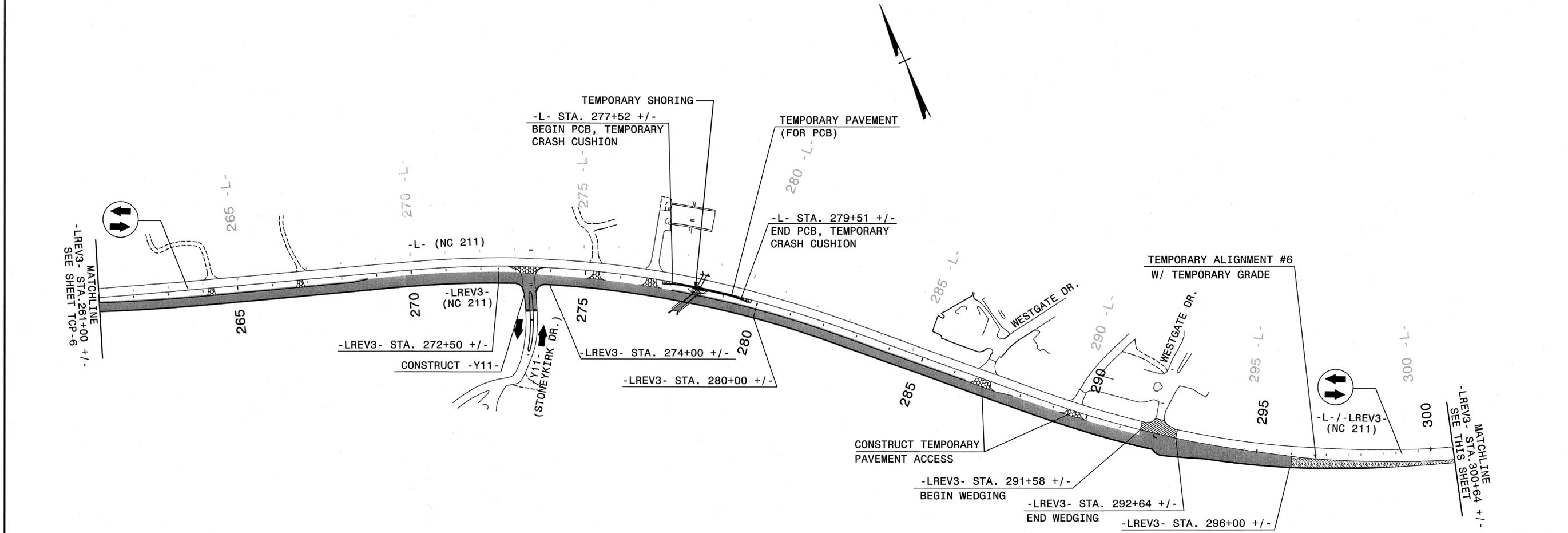
PHASE I OVERVIEW
 SHEET 1 OF 5



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

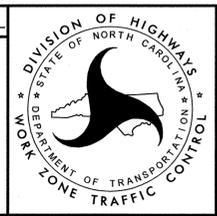
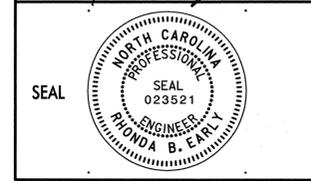
APPROVED: *Rhonda B. Early* DATE: *11/11/11*



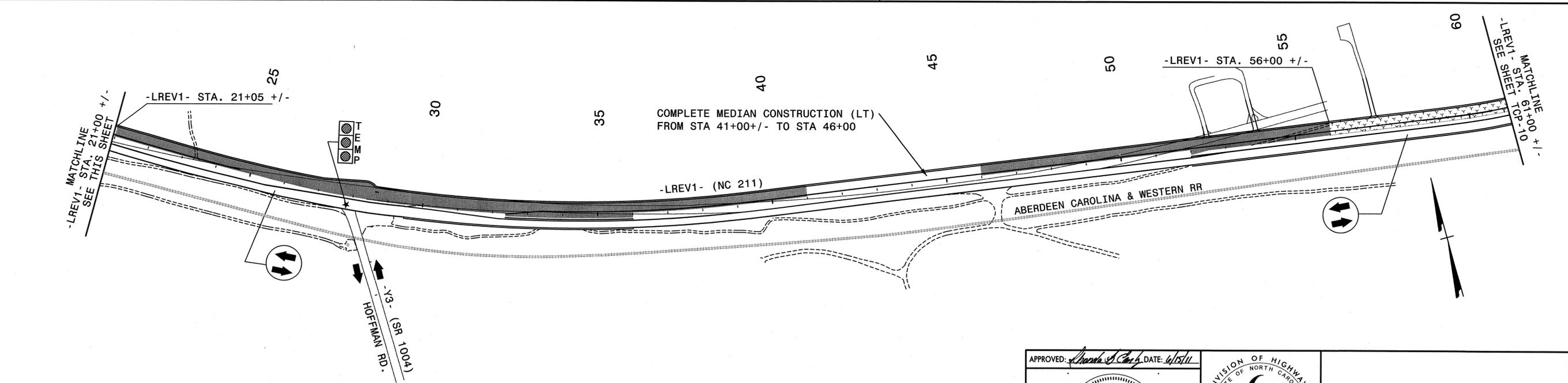
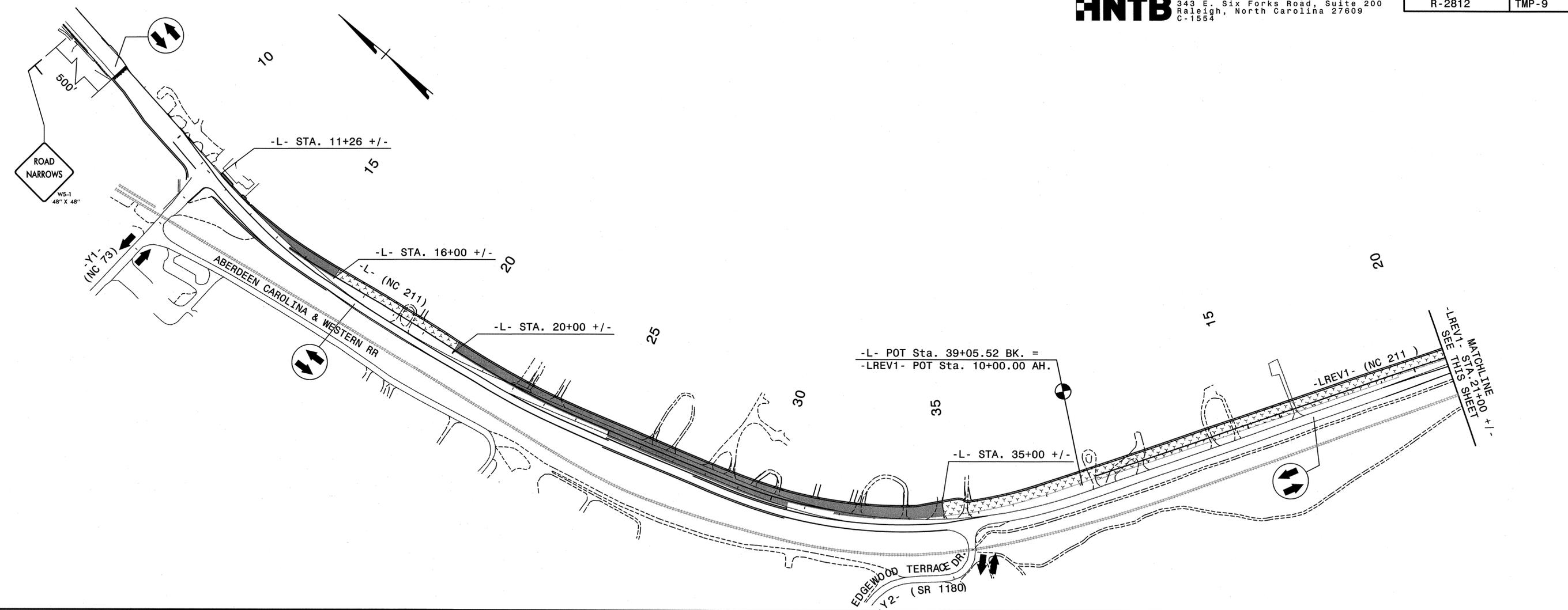


\$\$\$\$\$SYTIME\$\$\$\$\$
 \$\$\$\$DCN\$\$\$\$\$
 \$\$\$\$USERNAME\$\$\$\$\$

APPROVED: *[Signature]* DATE: 11/1/11



PHASE I OVERVIEW
 SHEET 4 OF 5



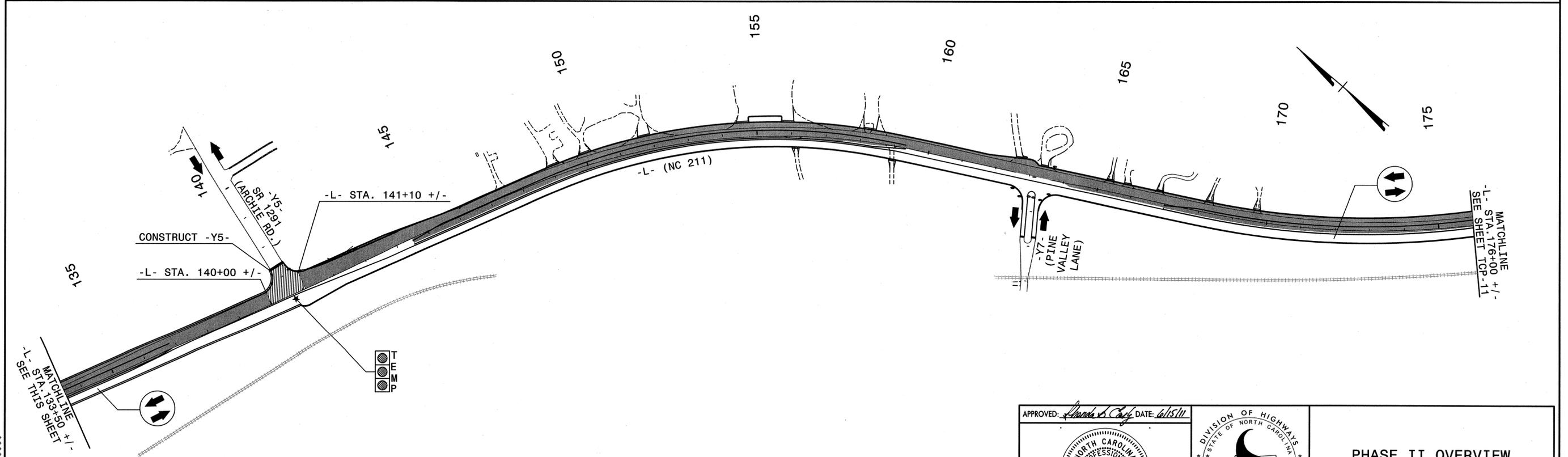
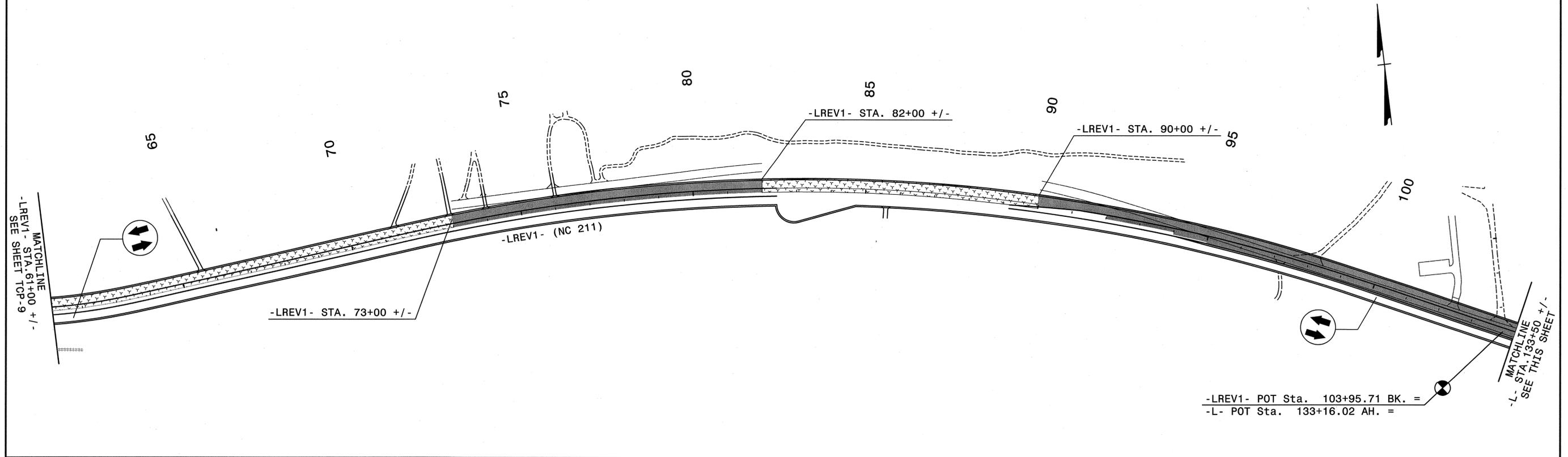
\$\$\$\$\$SYSTIME\$\$\$\$\$
 \$\$\$DESIGN\$\$\$\$\$
 \$\$\$USERNAME\$\$\$\$\$

APPROVED: *Rhonda B. Early* DATE: 6/15/11

SEAL
 NORTH CAROLINA
 PROFESSIONAL
 SEAL
 023521
 ENGINEER
 RHONDA B. EARLY

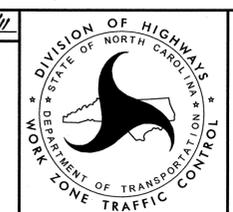
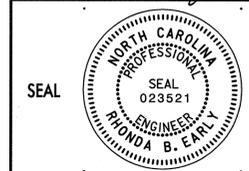


PHASE II OVERVIEW
 SHEET 1 OF 5



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

APPROVED: *[Signature]* DATE: 6/15/11

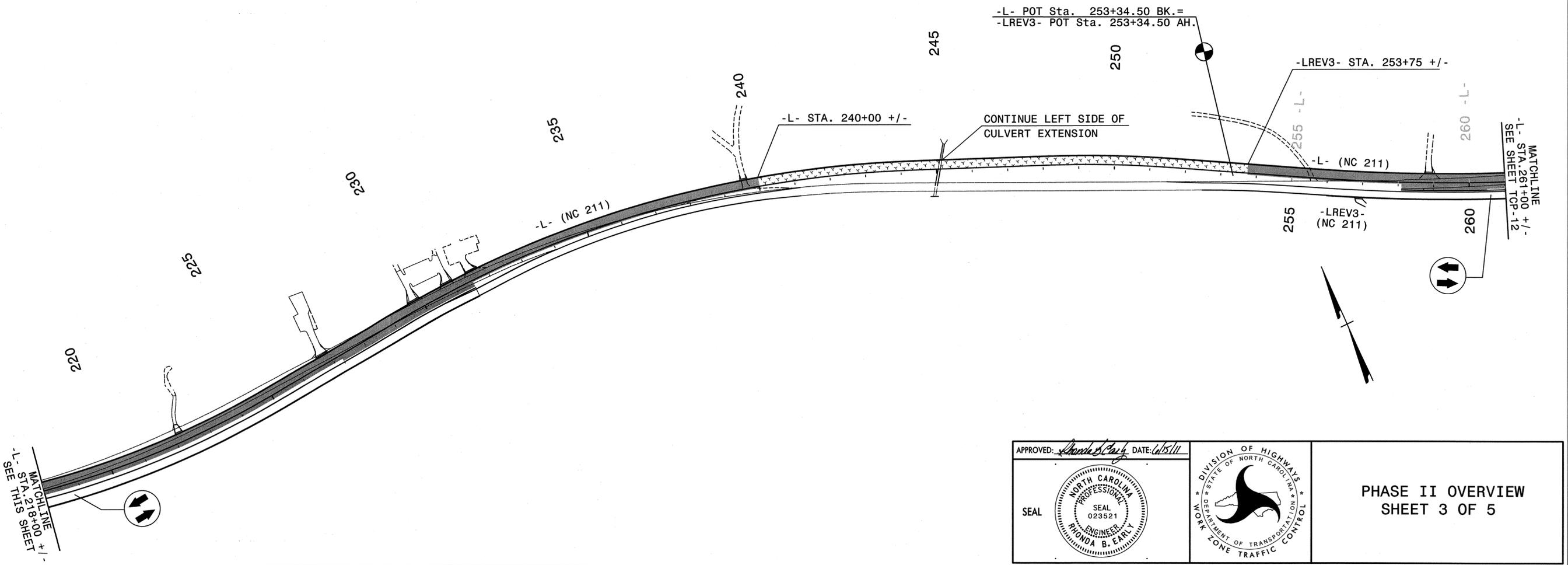
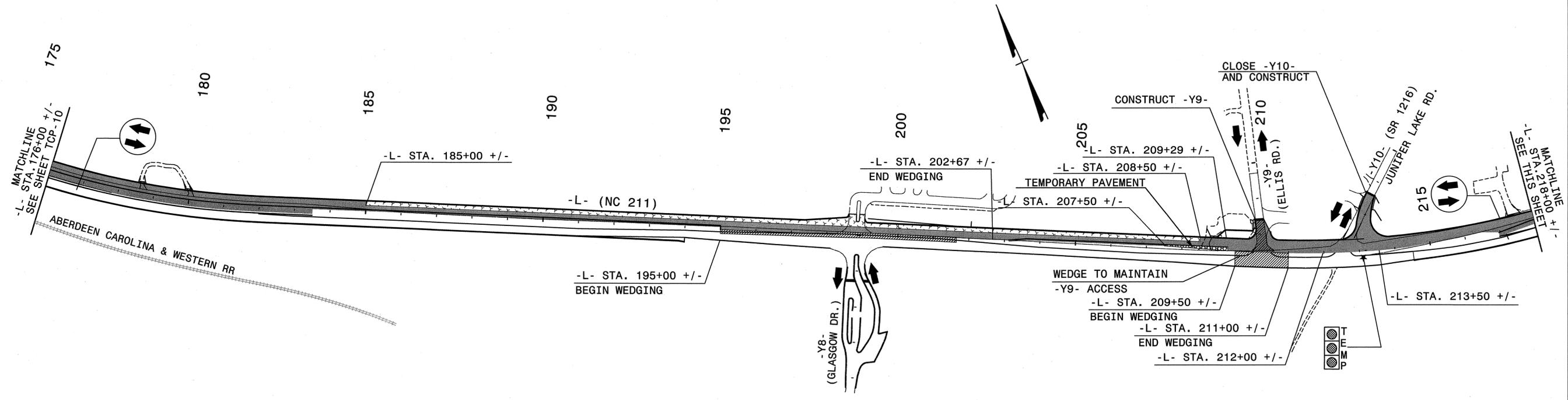


PHASE II OVERVIEW
 SHEET 2 OF 5



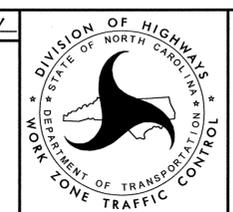
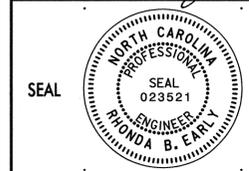
HNTB NORTH CAROLINA, P.C.
 343 E. Six Forks Road, Suite 200
 Raleigh, North Carolina 27609
 C-1554

| | |
|---------------------|-----------|
| PROJ. REFERENCE NO. | SHEET NO. |
| R-2812 | TMP-11 |



*****SYSTEMTIME*****
 *****DGN*****
 *****USER*****

APPROVED: *[Signature]* DATE: 1/15/11

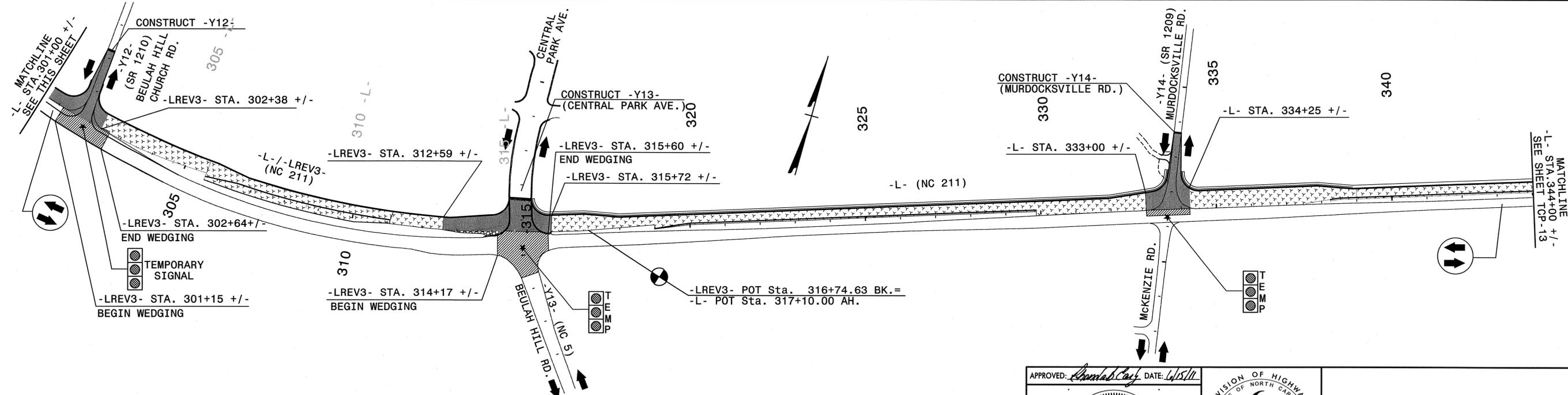
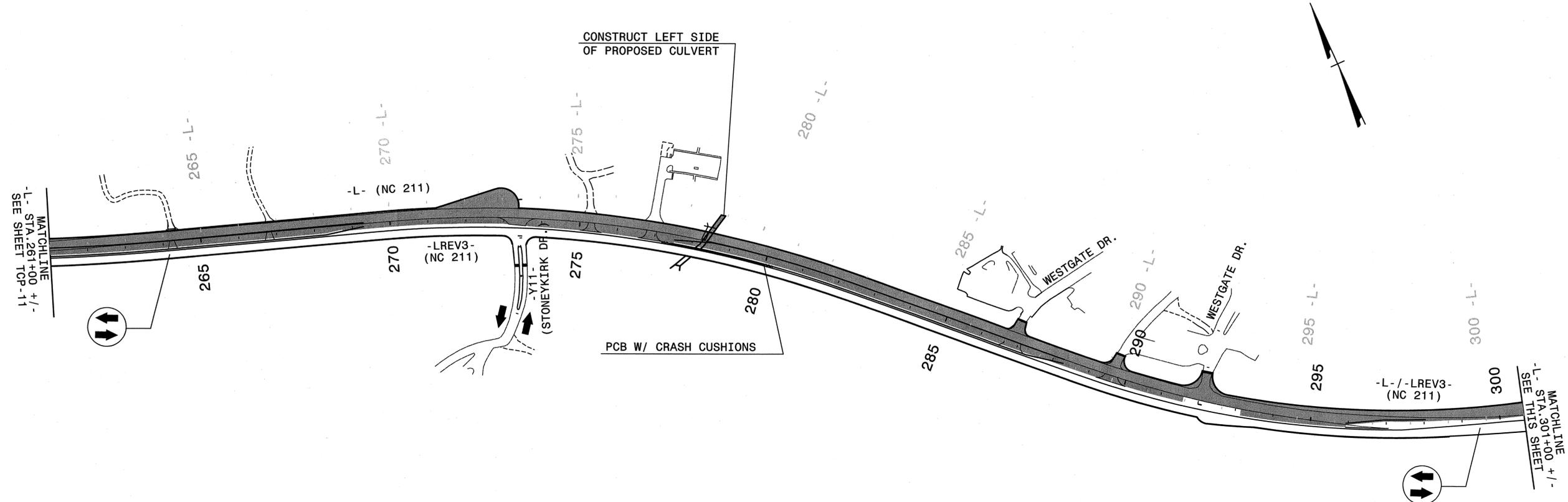


PHASE II OVERVIEW
 SHEET 3 OF 5



HNTB NORTH CAROLINA P.C.
 343 E. Six Forks Road, Suite 200
 Raleigh, North Carolina 27609
 C-1554

| | |
|---------------------|-----------|
| PROJ. REFERENCE NO. | SHEET NO. |
| R-2812 | TMP-12 |

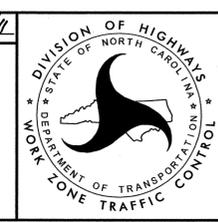


\$\$\$\$\$SYTIME\$\$\$\$\$
 \$\$\$SDON\$\$\$\$\$
 \$\$\$USERNAME\$\$\$\$\$

APPROVED: *Ronald B. Early* DATE: 4/15/11

SEAL

NORTH CAROLINA PROFESSIONAL ENGINEER RONALD B. EARLY SEAL 023521

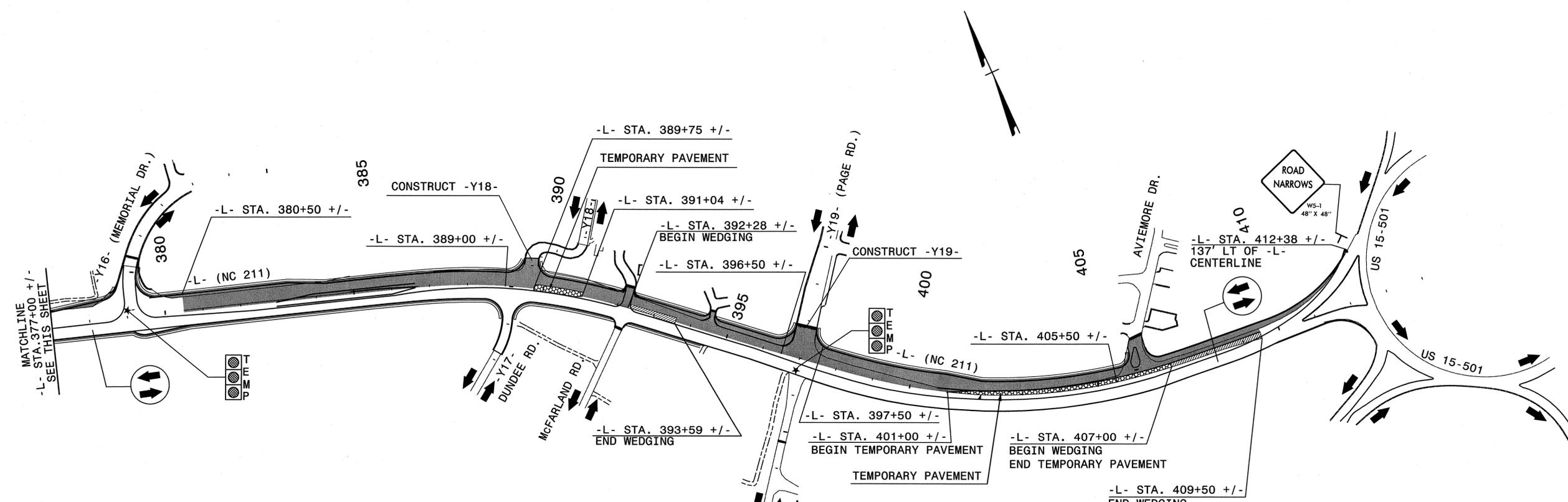
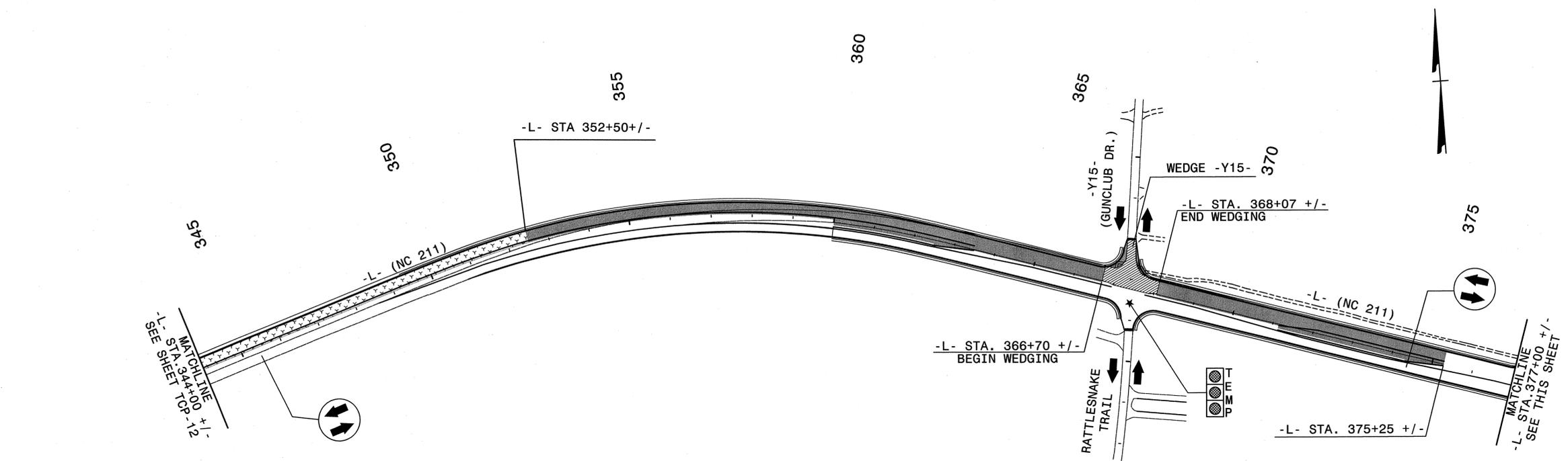


PHASE II OVERVIEW
 SHEET 4 OF 5



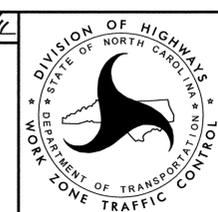
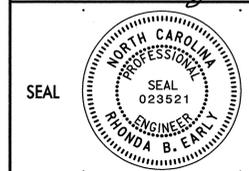
HNTB NORTH CAROLINA, P.C.
 343 E. Six Forks Road, Suite 200
 Raleigh, North Carolina 27609
 C-1554

| | |
|---------------------|-----------|
| PROJ. REFERENCE NO. | SHEET NO. |
| R-2812 | TMP-13 |

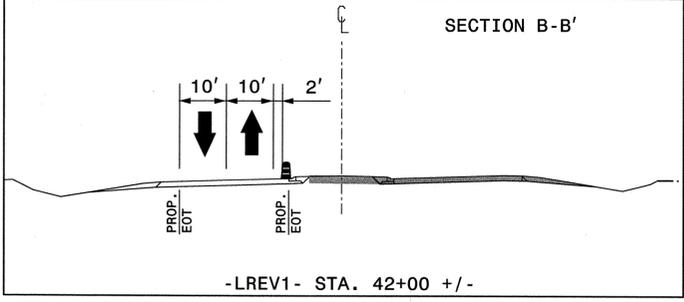
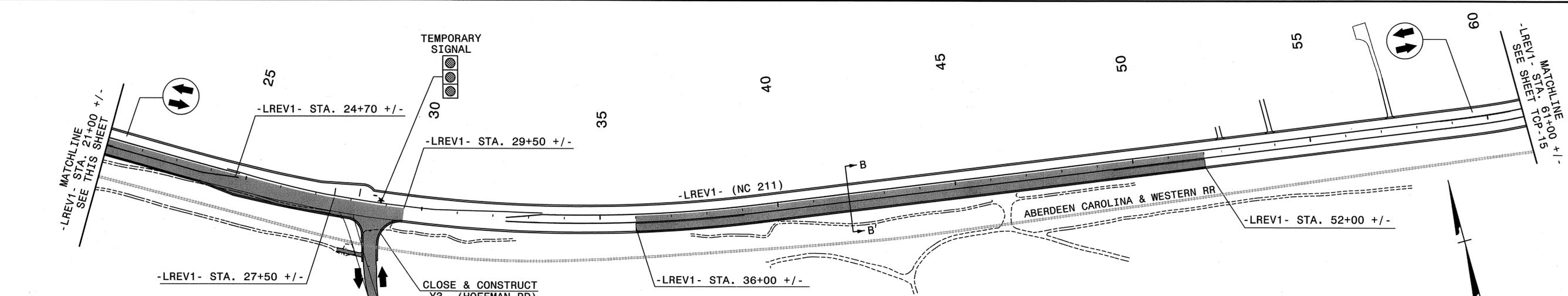
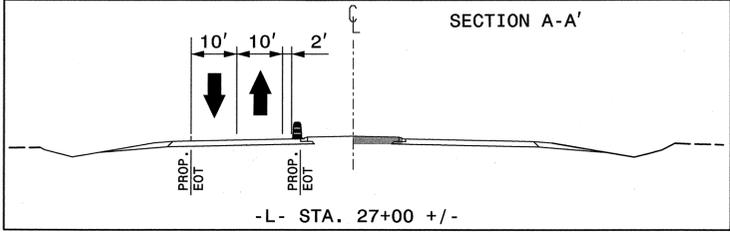
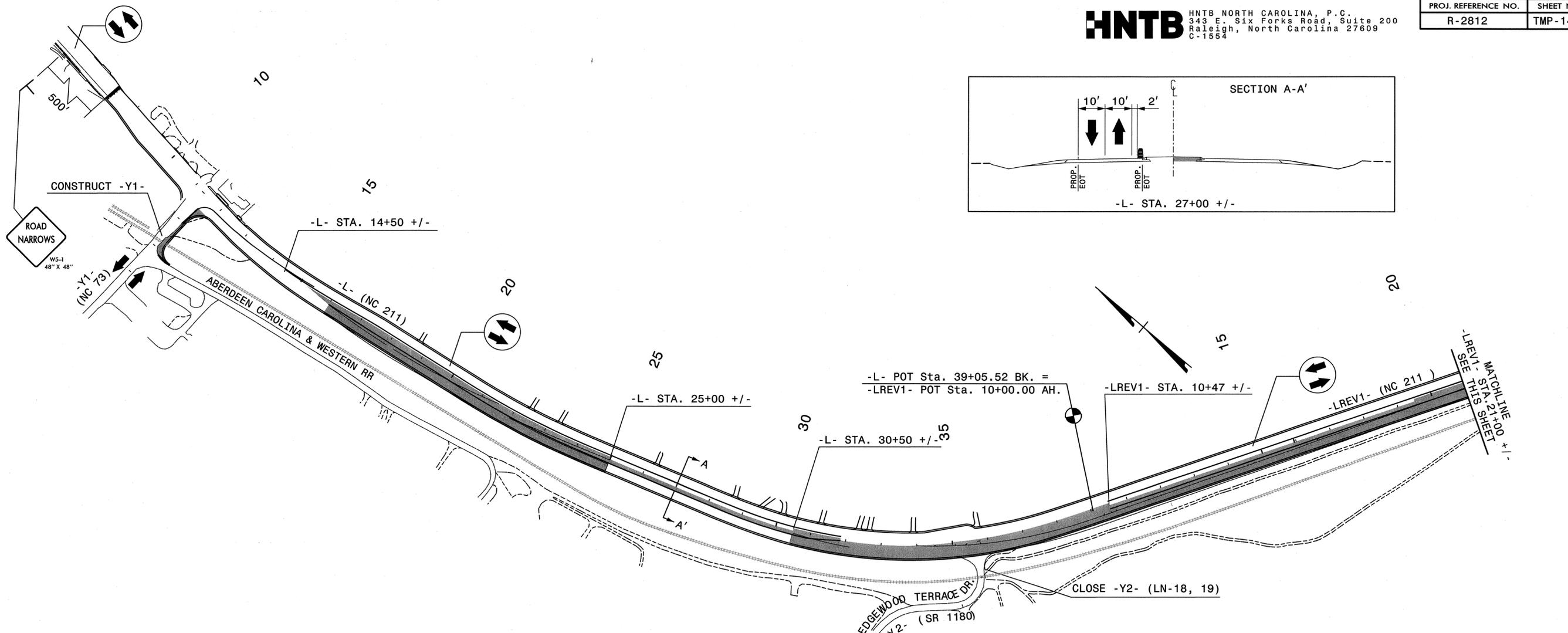


*****SYSTEMTIME*****
 *****DGN*****
 *****USER*****

APPROVED: *[Signature]* DATE: 6/15/11



PHASE II OVERVIEW
 SHEET 5 OF 5



APPROVED: *[Signature]* DATE: *6/18/11*



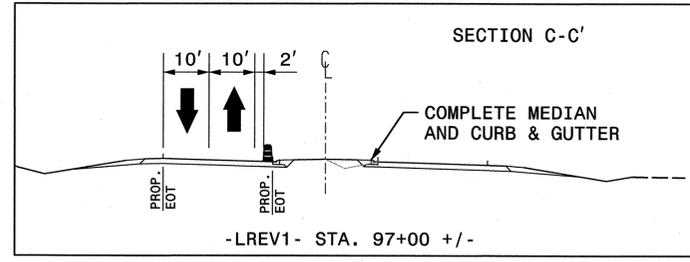
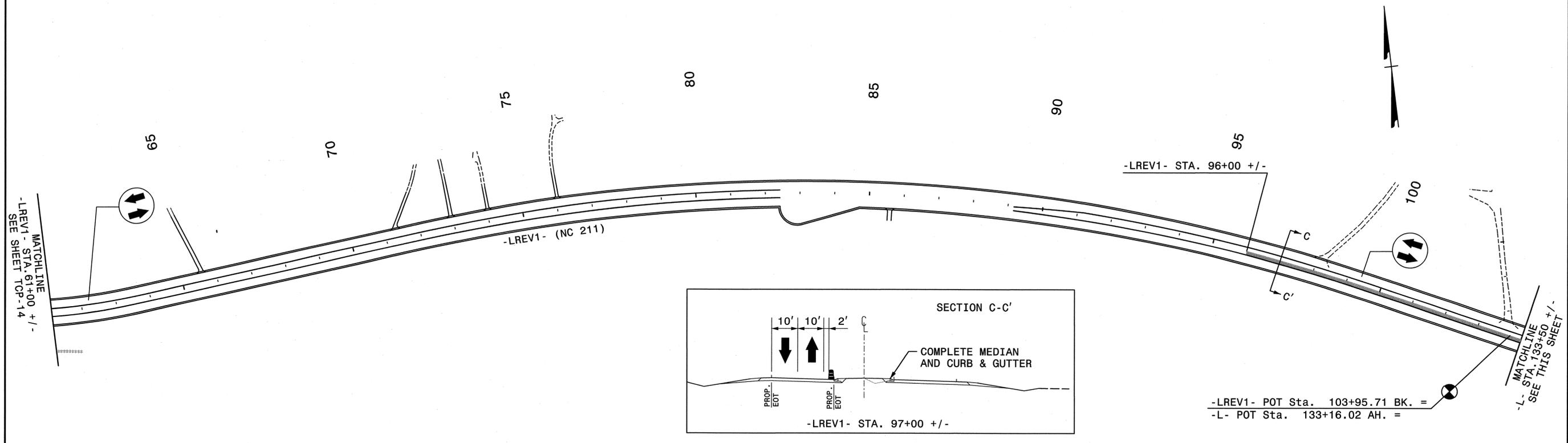
**PHASE III OVERVIEW
 SHEET 1 OF 5**

*****SYSTEMS*****
 *****USER*****
 *****USER*****



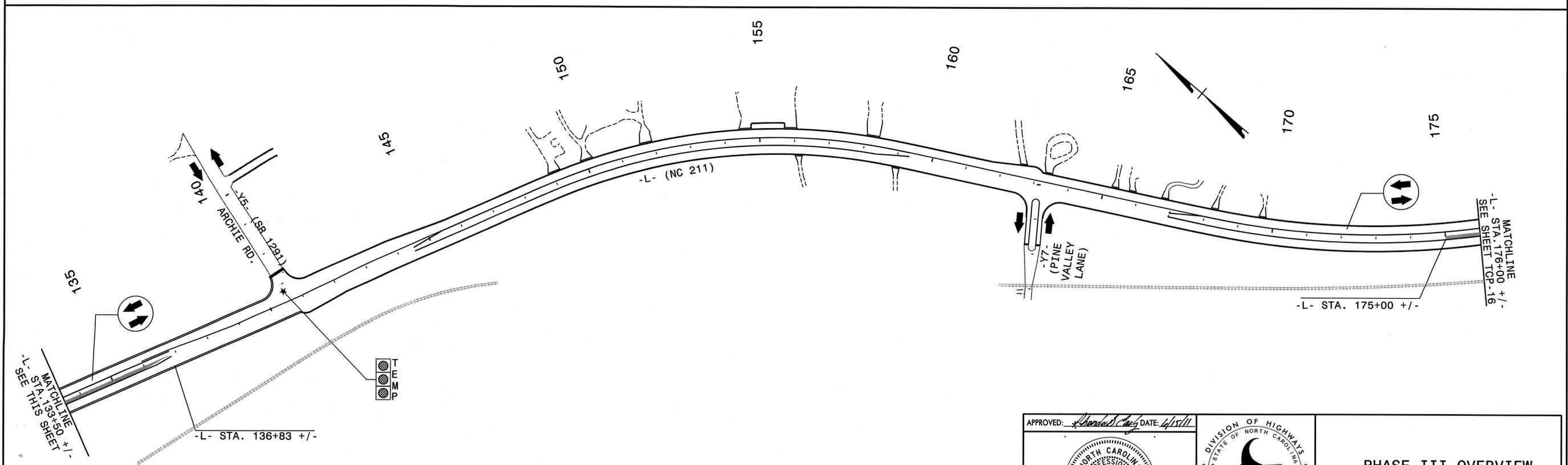
HNTB NORTH CAROLINA, P.C.
 343 E. Six Forks Road, Suite 200
 Raleigh, North Carolina 27609
 C-1554

| | |
|---------------------|-----------|
| PROJ. REFERENCE NO. | SHEET NO. |
| R-2812 | TMP-15 |



-LREV1- POT Sta. 103+95.71 BK. =

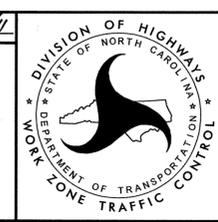
-L- POT Sta. 133+16.02 AH. =



APPROVED: *[Signature]* DATE: 4/15/11

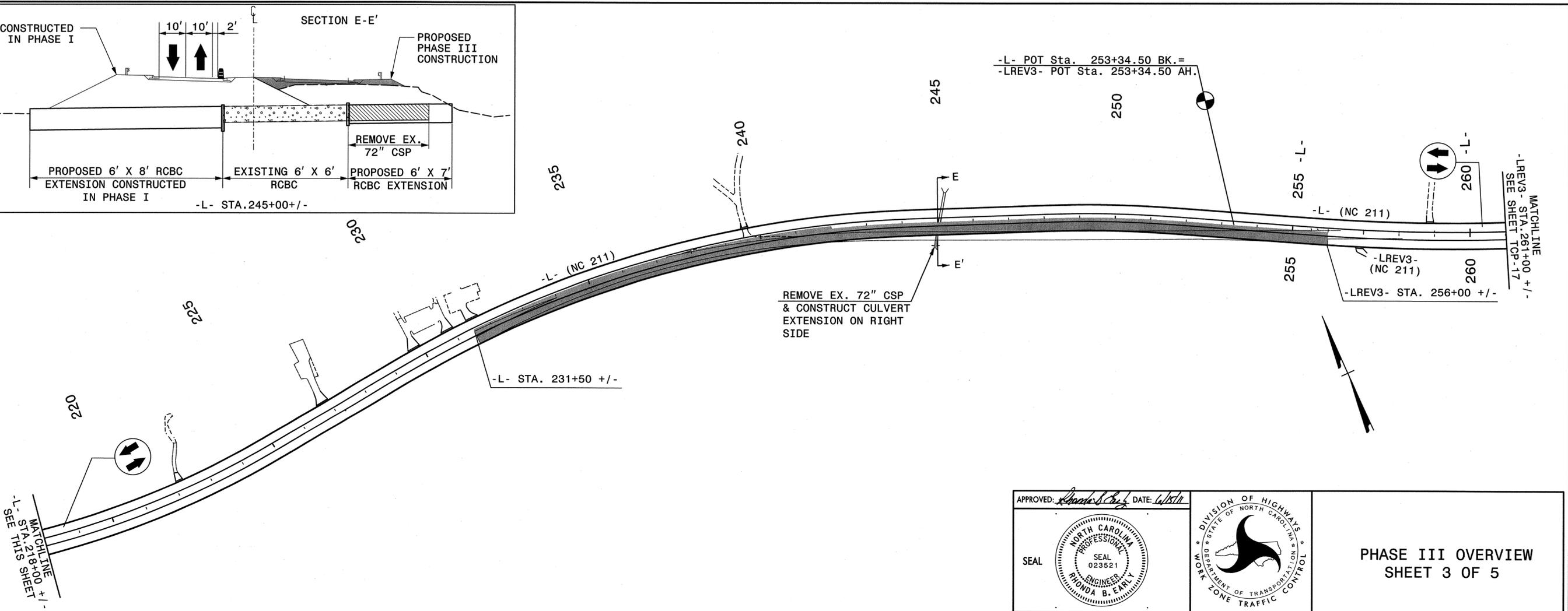
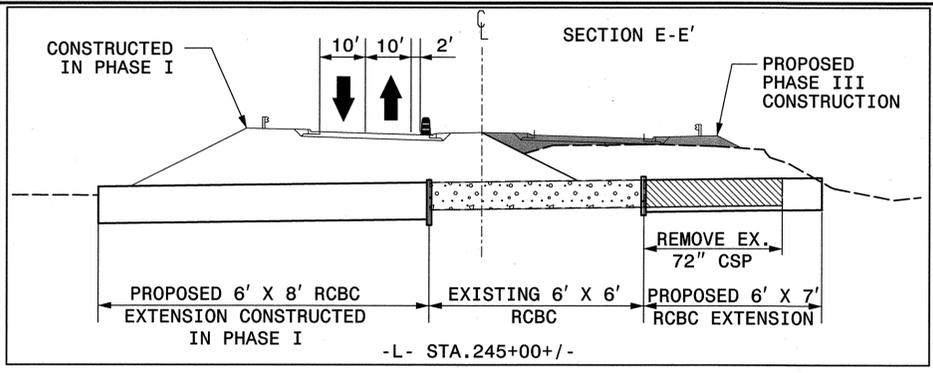
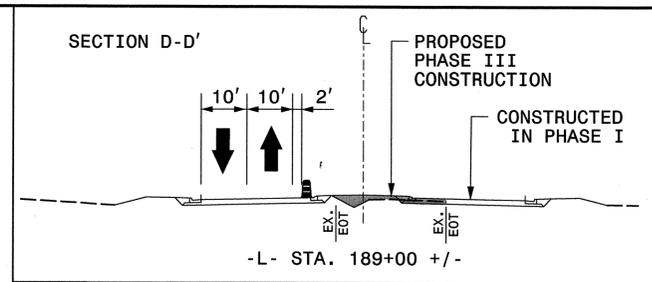
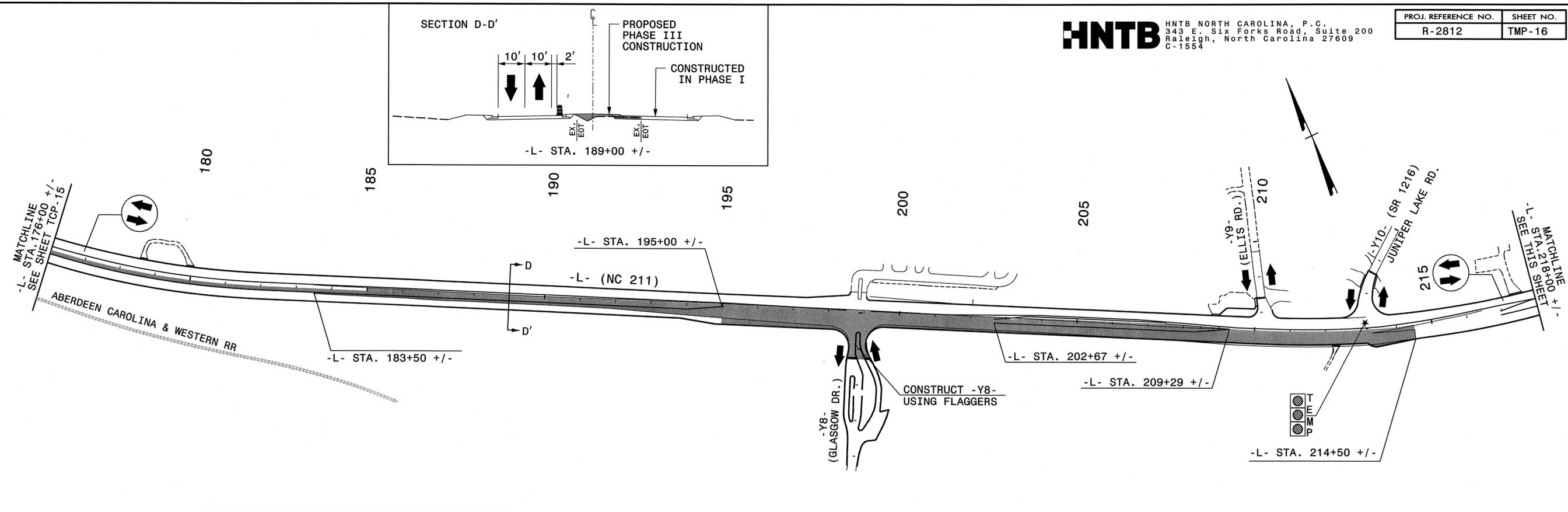
SEAL

NORTH CAROLINA PROFESSIONAL ENGINEER SEAL 023521 RYONDA B. EARLY



PHASE III OVERVIEW
 SHEET 2 OF 5

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

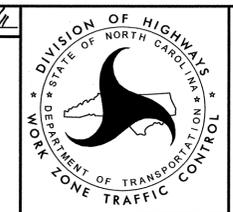


REMOVE EX. 72" CSP & CONSTRUCT CULVERT EXTENSION ON RIGHT SIDE

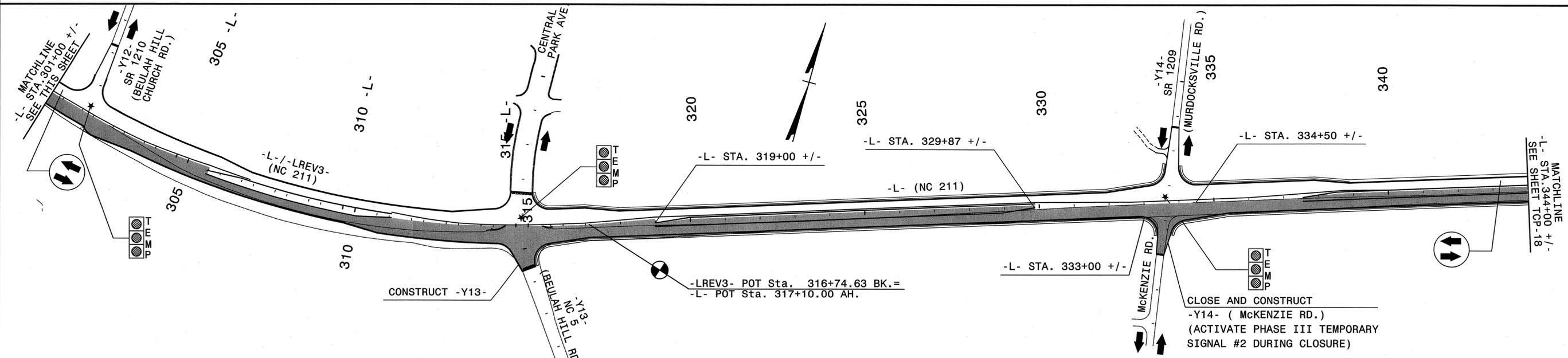
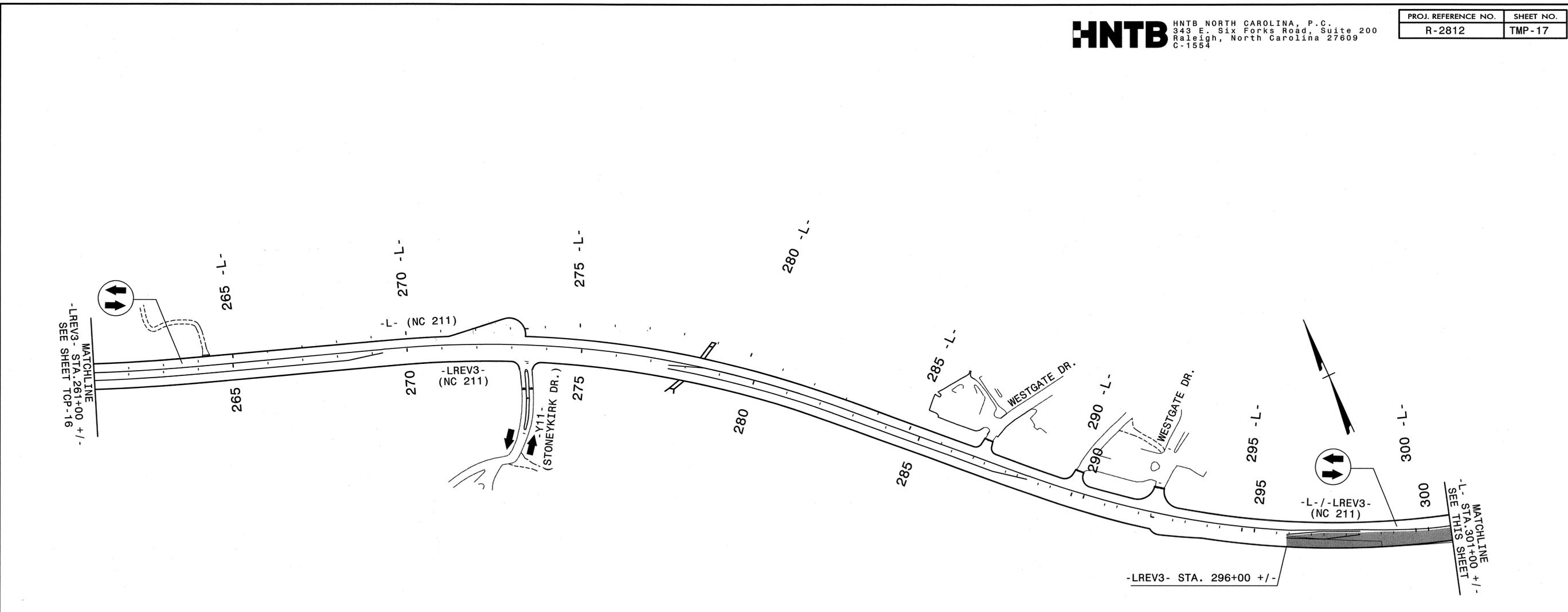
CONSTRUCT -Y8- USING FLAGGERS

SYSTEMS
 DCDN
 USERNAME

APPROVED: [Signature] DATE: 6/25/11

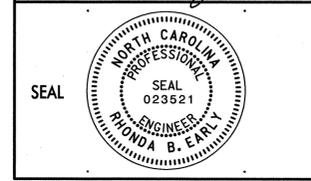


PHASE III OVERVIEW
 SHEET 3 OF 5



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

APPROVED: *[Signature]* DATE: 6/15/11

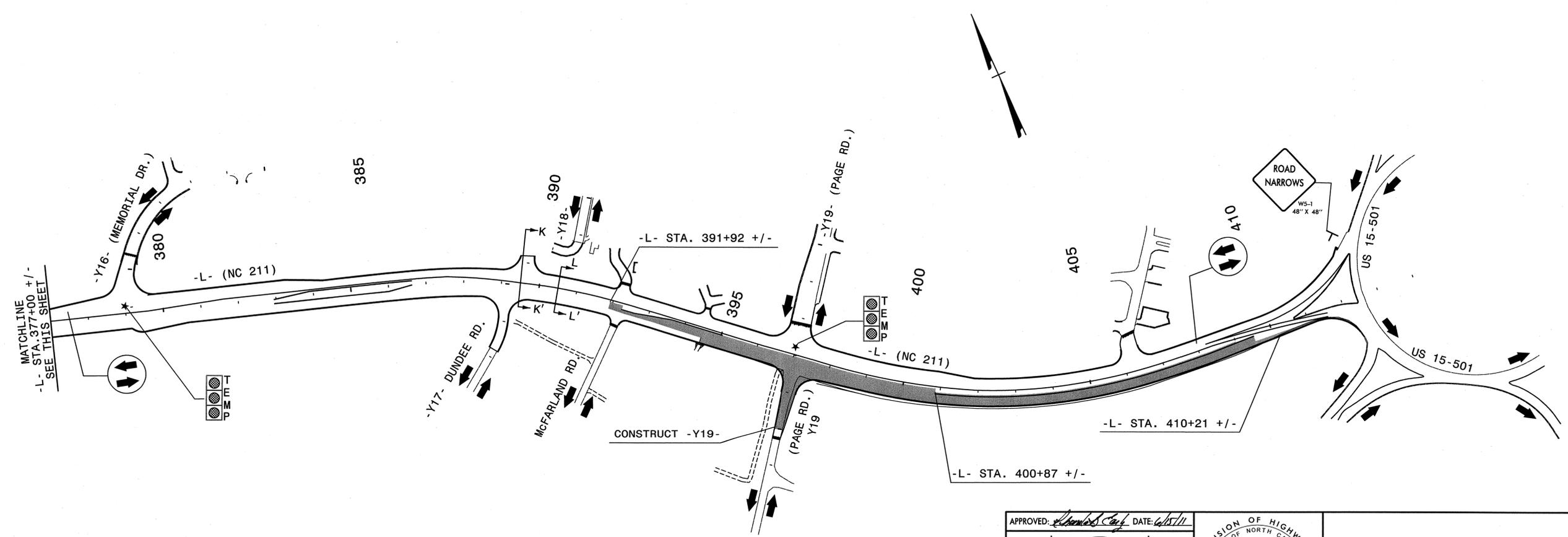
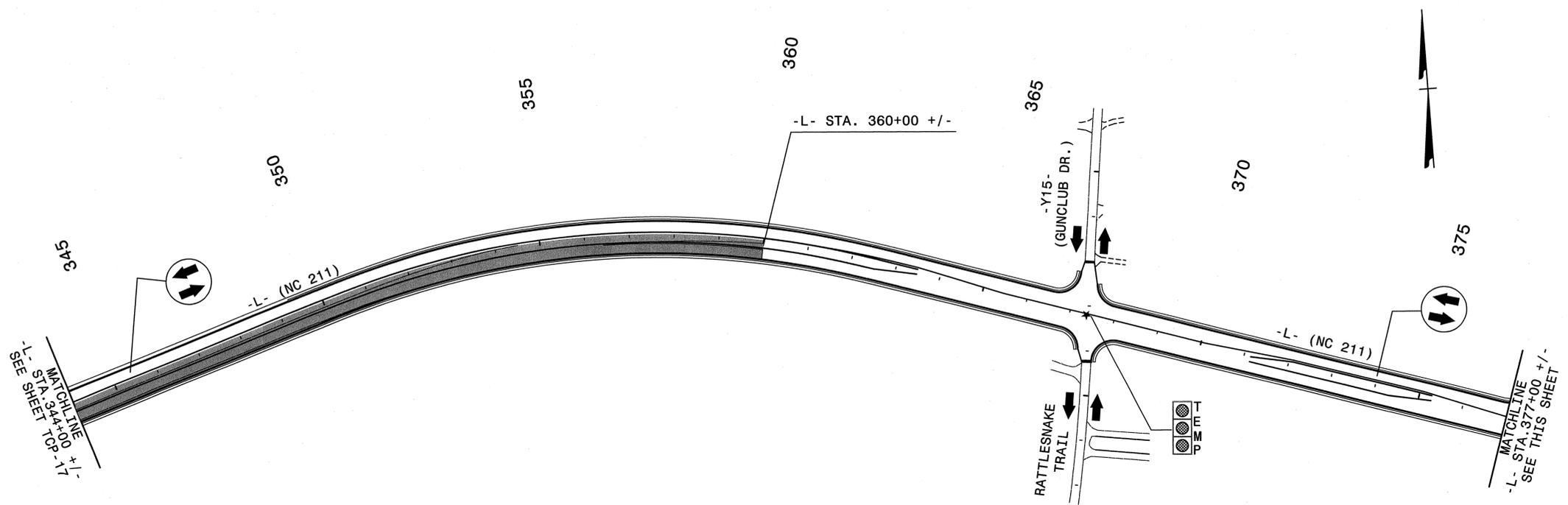


PHASE III OVERVIEW
 SHEET 4 OF 5



HNTB NORTH CAROLINA, P.C.
 343 E. Six Forks Road, Suite 200
 Raleigh, North Carolina 27609
 C-1554

| | |
|---------------------|-----------|
| PROJ. REFERENCE NO. | SHEET NO. |
| R-2812 | TMP-18 |



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

APPROVED: *[Signature]* DATE: *6/17/11*

SEAL

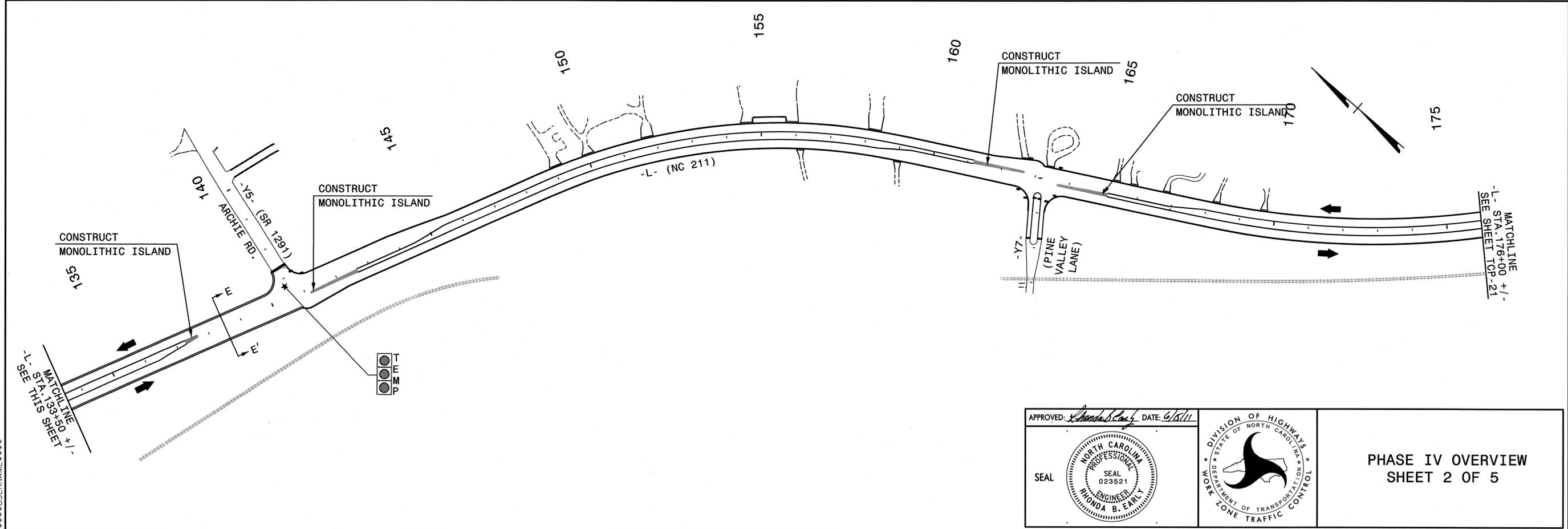
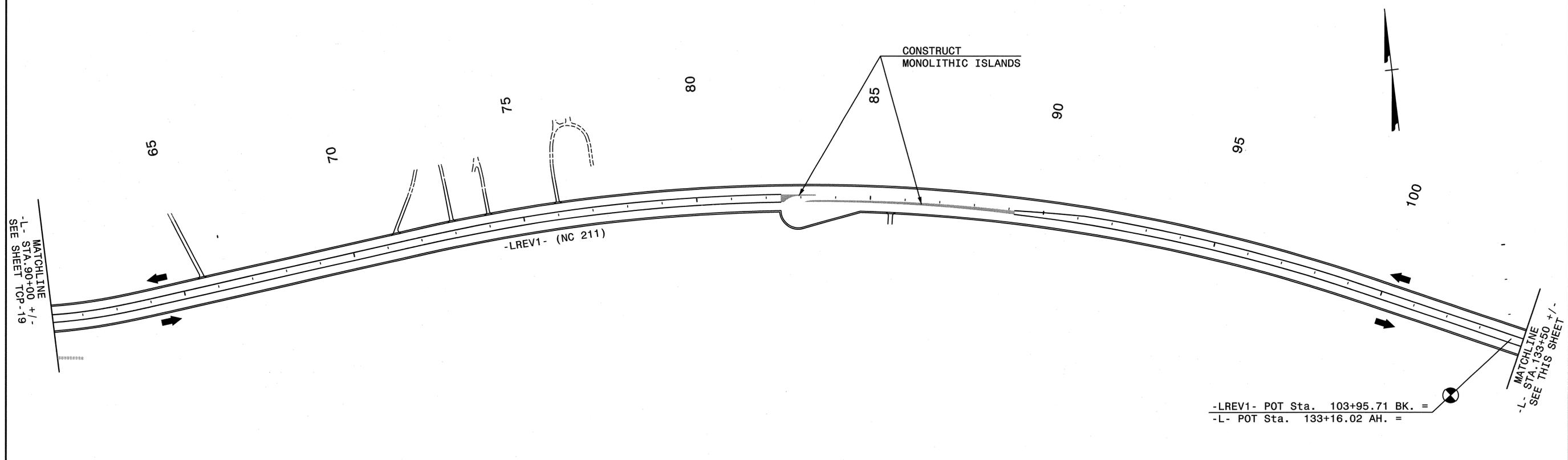


PHASE III OVERVIEW
 SHEET 5 OF 5



HNTB NORTH CAROLINA, P.C.
 343 E. Six Forks Road, Suite 200
 Raleigh, North Carolina 27609
 C-1554

| | |
|---------------------|-----------|
| PROJ. REFERENCE NO. | SHEET NO. |
| R-2812 | TMP-20 |



*****SYSTEM*****
 *****DON*****
 *****USER*****

APPROVED: *[Signature]* DATE: 6/15/11

SEAL

NORTH CAROLINA PROFESSIONAL ENGINEER
 SEAL 023521
 FLOYD B. EARLY

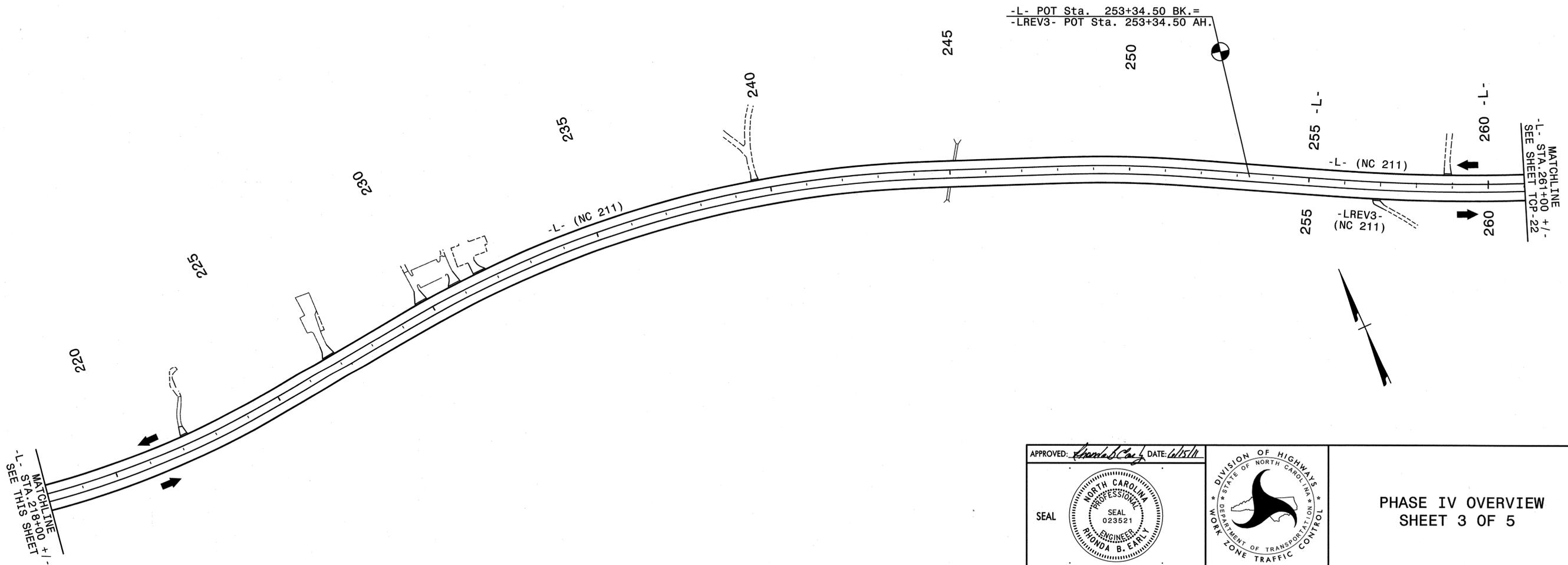
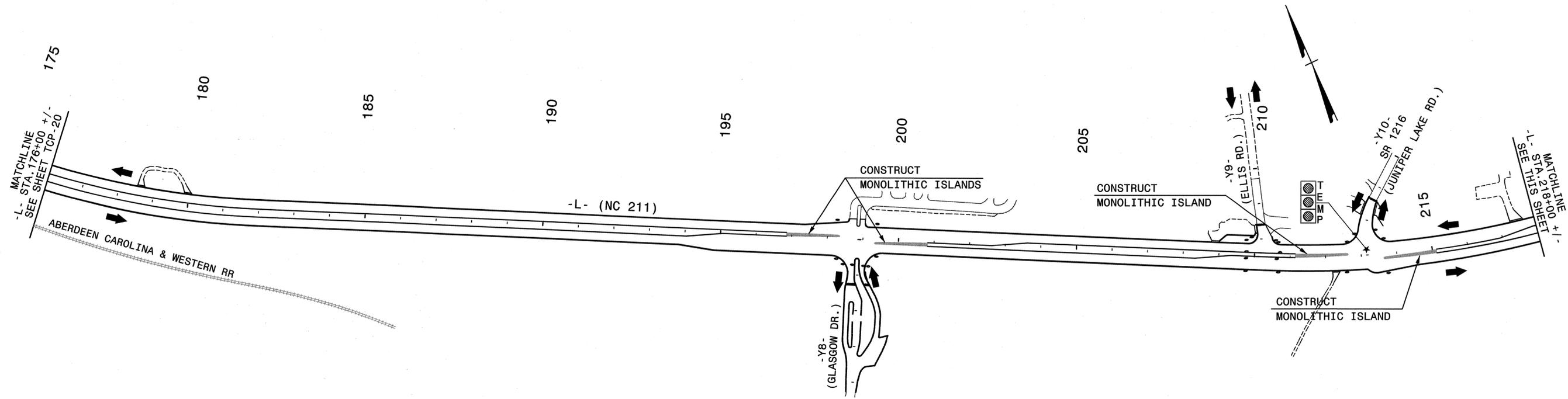


PHASE IV OVERVIEW
 SHEET 2 OF 5



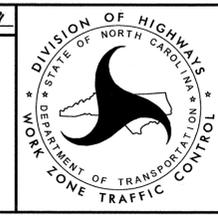
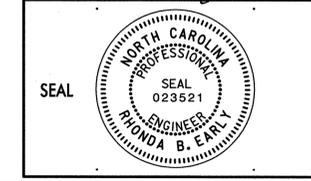
HNTB NORTH CAROLINA, P.C.
 343 E. Six Forks Road, Suite 200
 Raleigh, North Carolina 27609
 C-1554

| | |
|---------------------|-----------|
| PROJ. REFERENCE NO. | SHEET NO. |
| R-2812 | TMP-21 |



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

APPROVED: *[Signature]* DATE: *1/15/11*

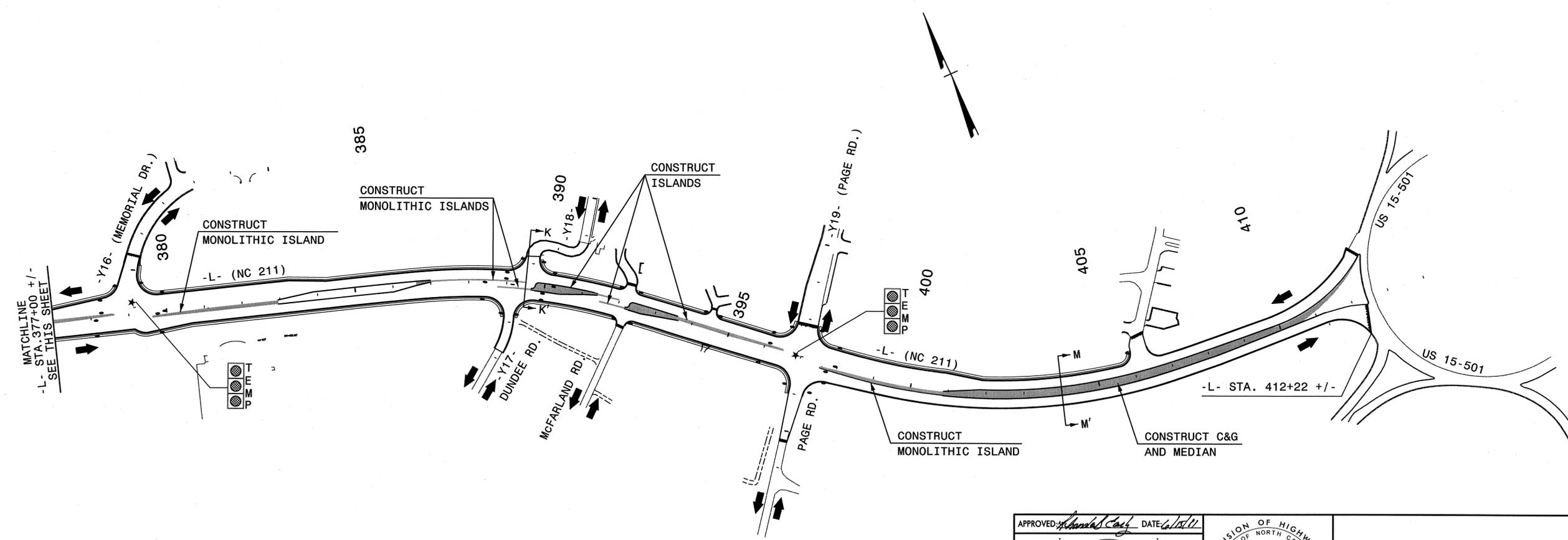
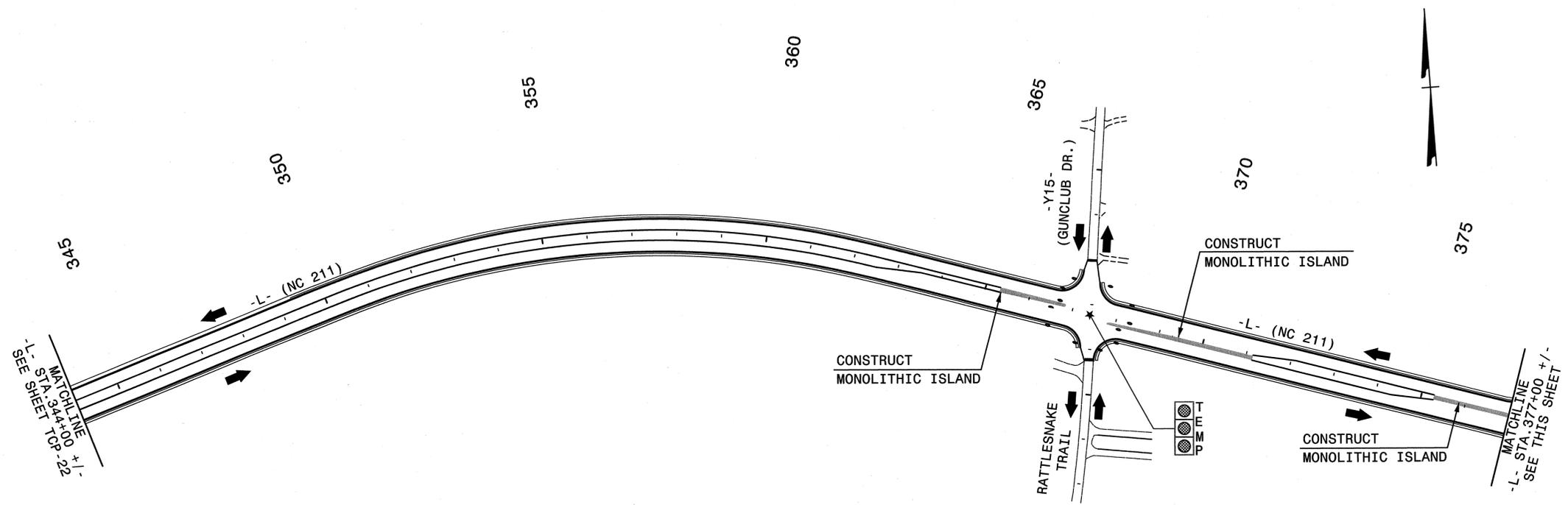


PHASE IV OVERVIEW
 SHEET 3 OF 5



HNTB NORTH CAROLINA, P.C.
 343 E. Six Forks Road, Suite 200
 Raleigh, North Carolina 27609
 C-1554

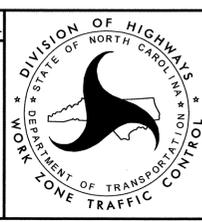
| | |
|---------------------|-----------|
| PROJ. REFERENCE NO. | SHEET NO. |
| R-2812 | TMP-23 |



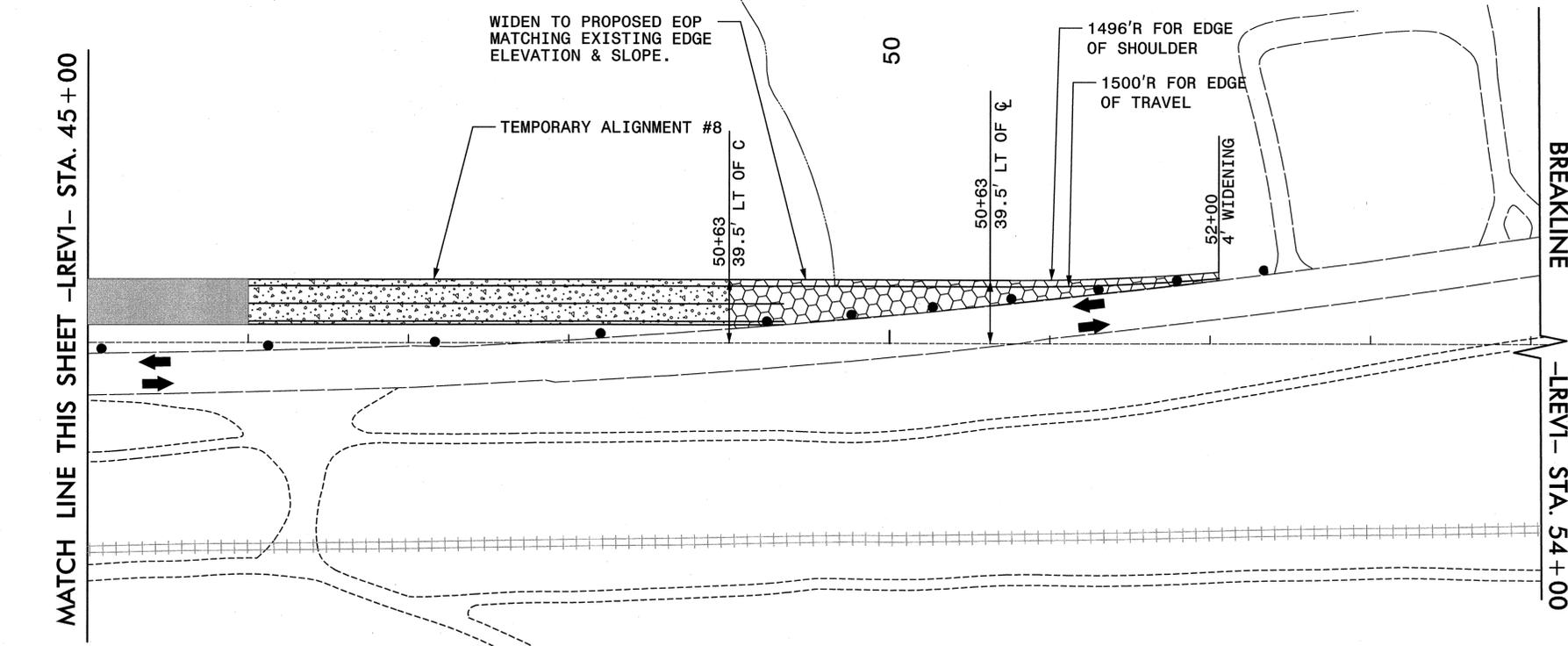
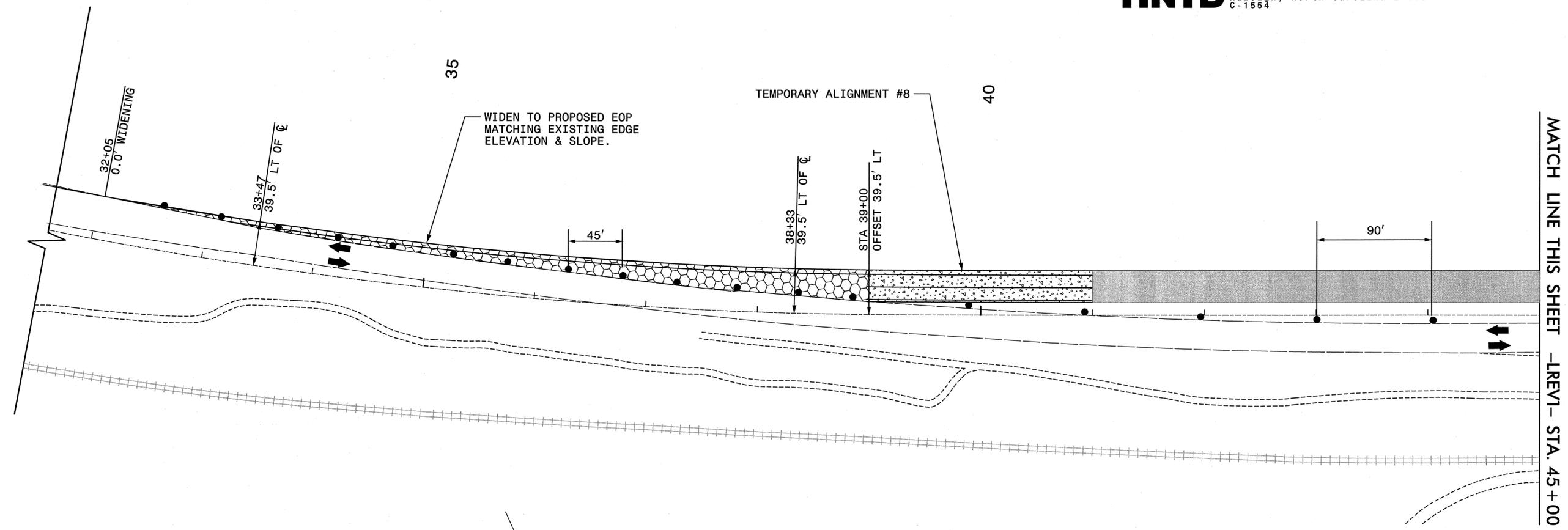
*****SYTIME*****
 *****USER*****
 *****CN*****

APPROVED: *[Signature]* DATE: 6/15/11

SEAL



PHASE IV OVERVIEW
 SHEET 5 OF 5



THIS TEMPORARY ALIGNMENT
 ALLOWS MEDIAN DRAINAGE TO
 BE INSTALLED.

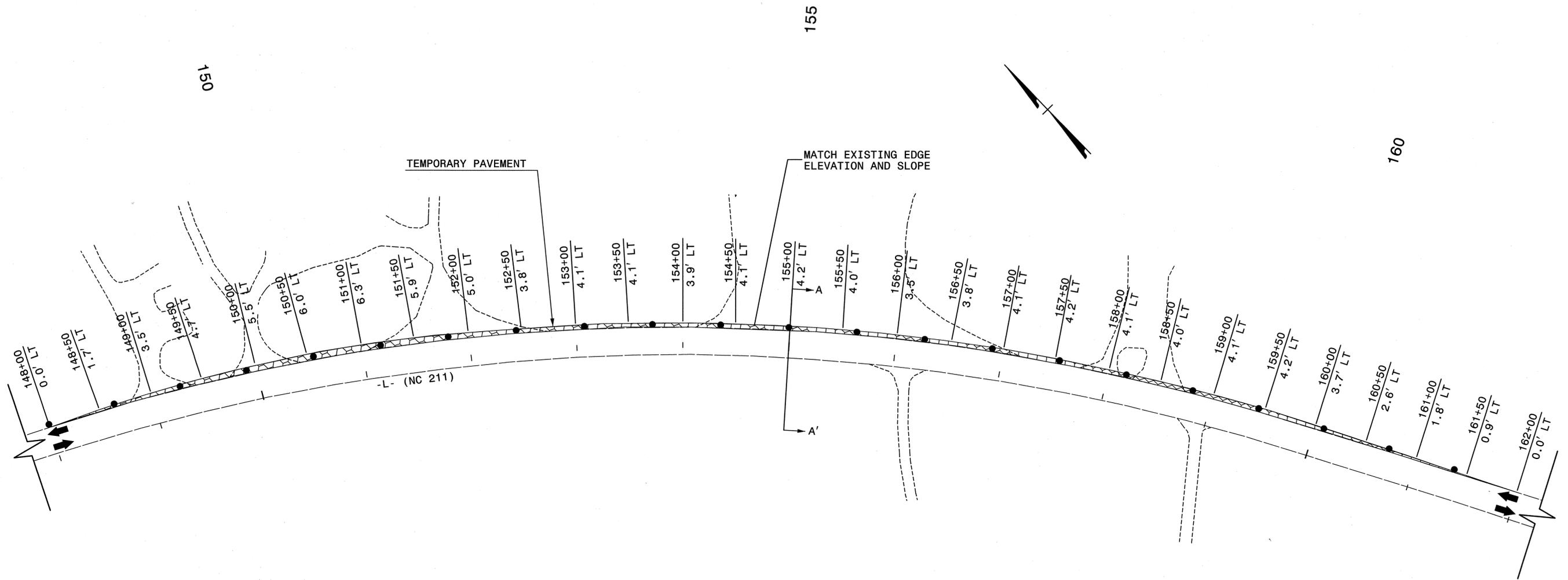
PLACE PAVEMENT MARKING AS SHOWN
 ON TMP-32 AND TMP-33

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

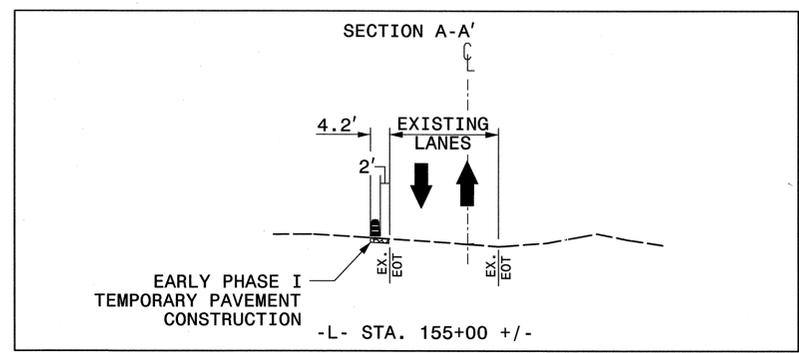
APPROVED: *[Signature]* DATE: 6/15/11

SEAL

PHASE I
 TEMPORARY PAVEMENT
 CONSTRUCTION

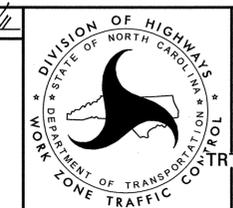
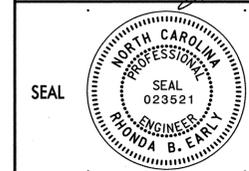


PLACE PAVEMENT MARKINGS AS SHOWN ON TCP-36 AND TCP-38.



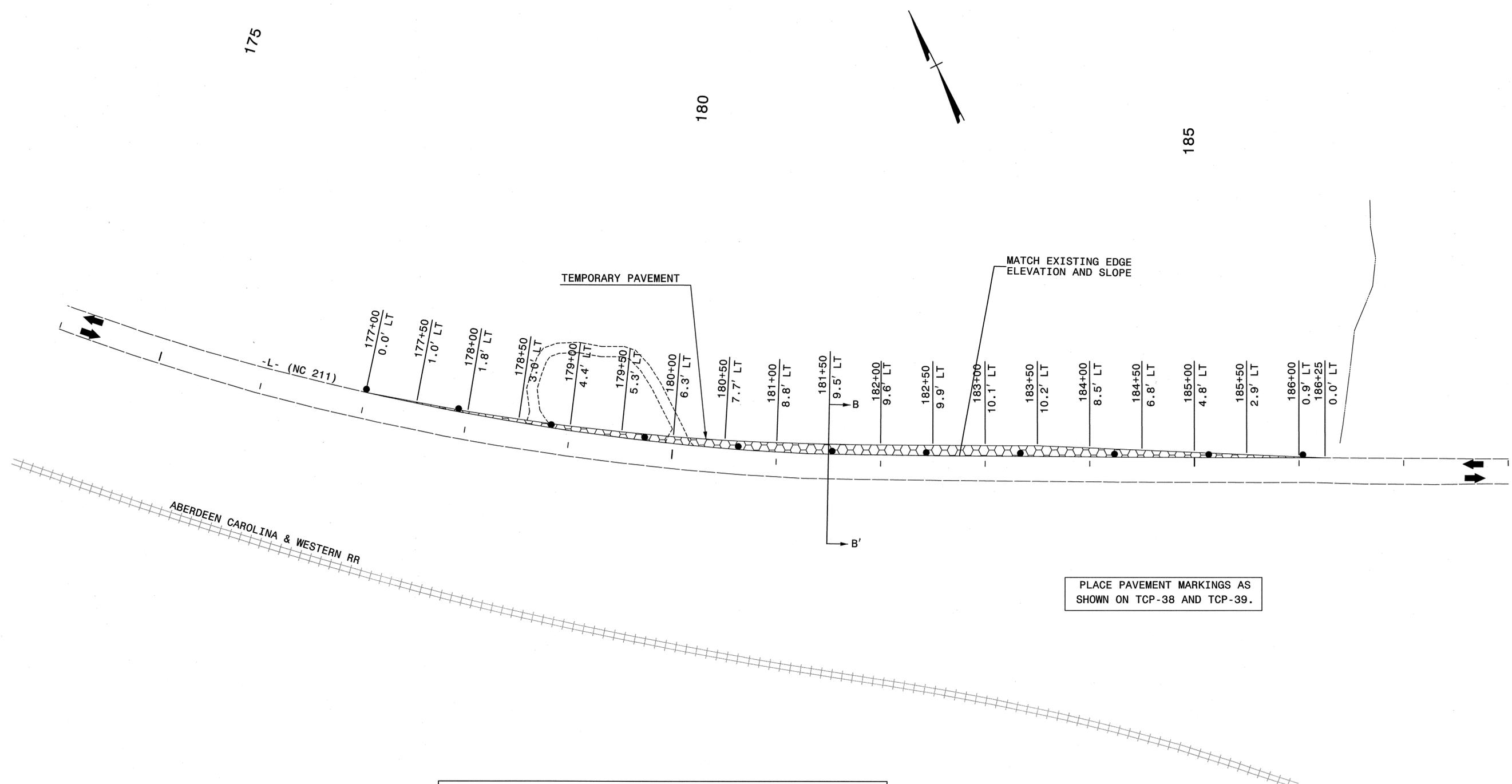
STEP 3 SHEET 2 OF 5

APPROVED: *Mark A. Cluff* DATE: *4/15/11*

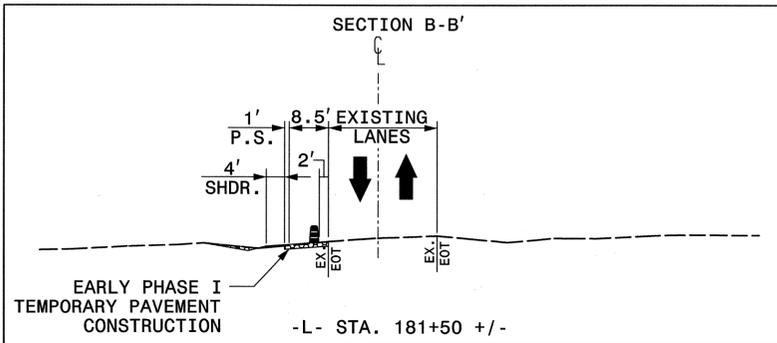


**PHASE I
 TEMPORARY PAVEMENT
 CONSTRUCTION**

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



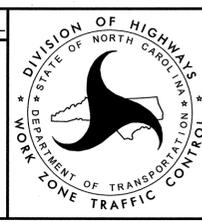
PLACE PAVEMENT MARKINGS AS SHOWN ON TCP-38 AND TCP-39.



STEP 3 SHEET 3 OF 5

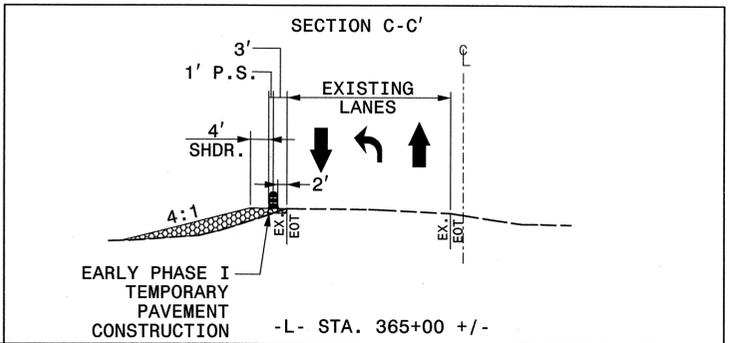
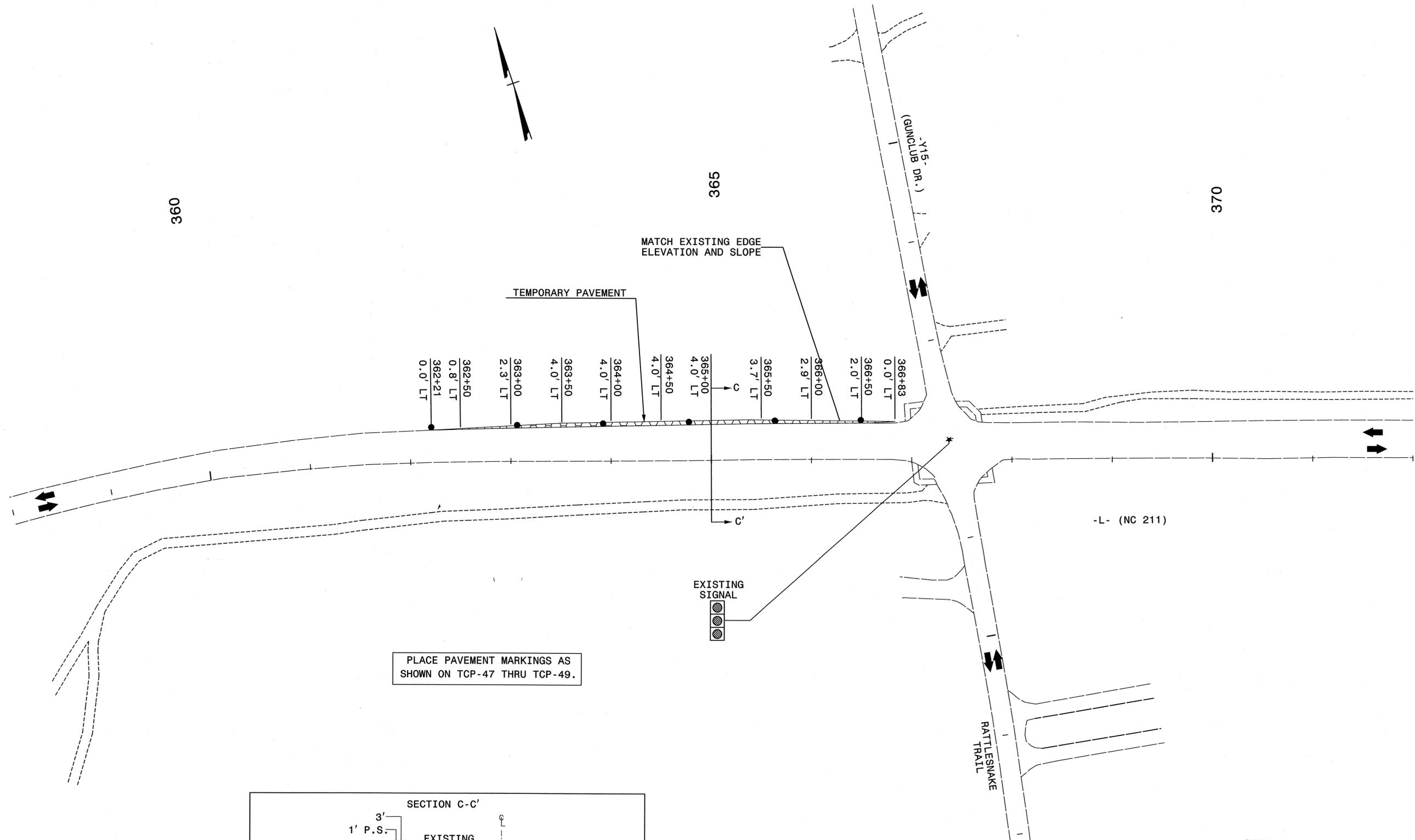
APPROVED: *[Signature]* DATE: 4/15/11

SEAL
 NORTH CAROLINA PROFESSIONAL ENGINEER
 023521
 RYONDA B. EARLY



**PHASE I
 TEMPORARY PAVEMENT
 CONSTRUCTION**

SYSTEM: \$\$\$\$\$\$
 USER: \$\$\$\$\$\$
 USERNAME: \$\$\$\$\$\$



STEP 3 SHEET 4 OF 5

APPROVED: *[Signature]* DATE: 6/15/11

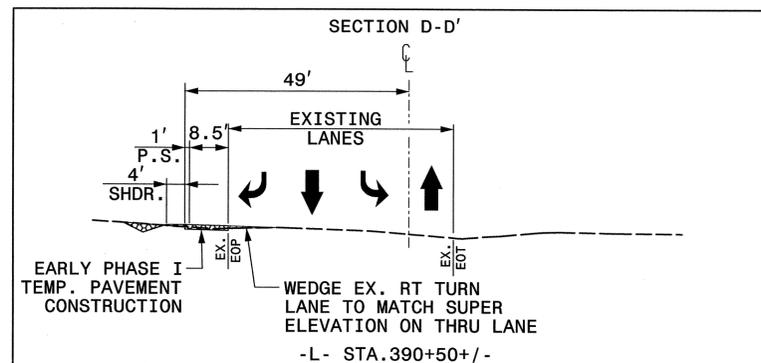
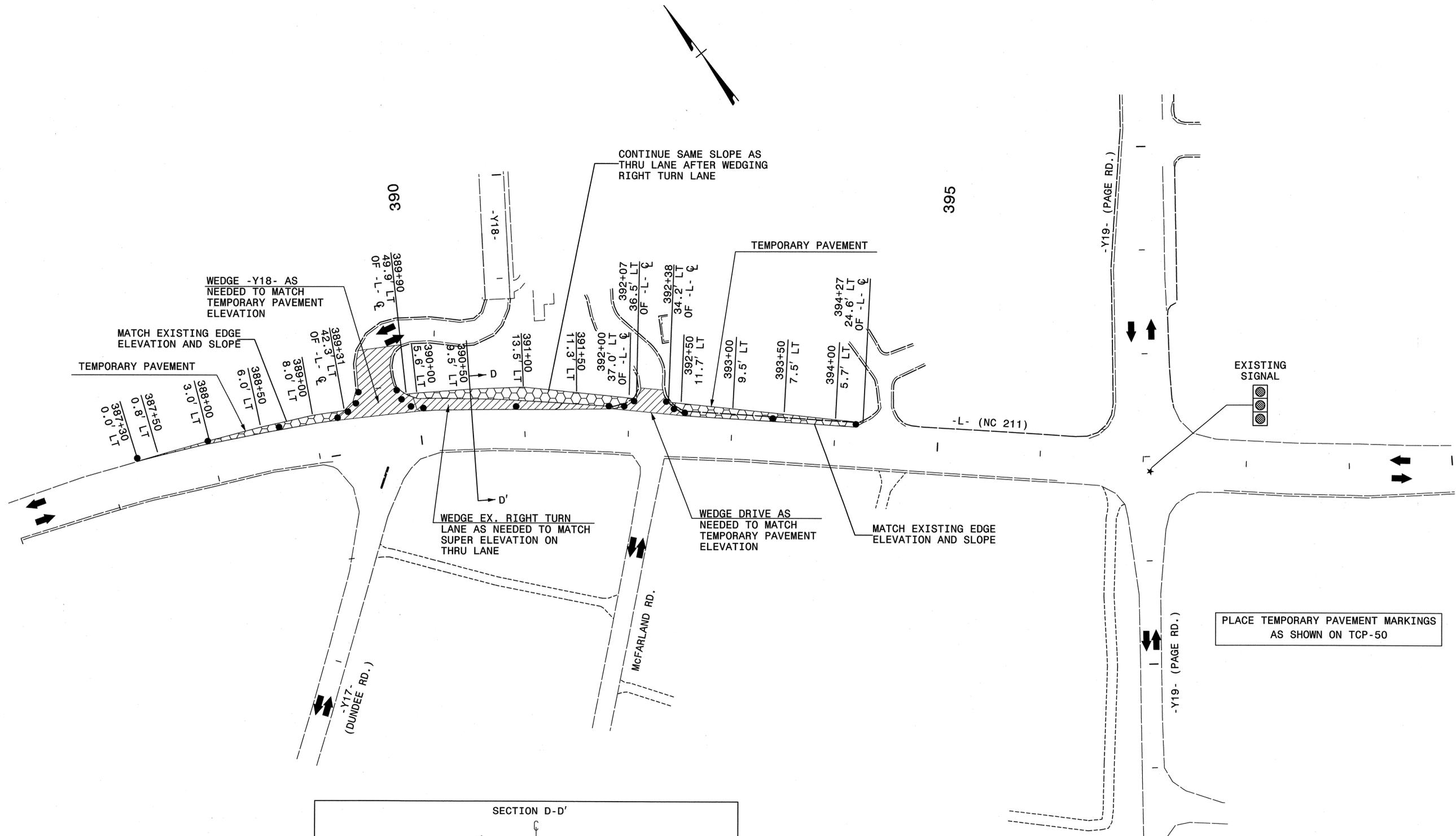
SEAL

NORTH CAROLINA
 PROFESSIONAL
 SEAL
 023521
 ENGINEER
 RONDA B. EARLY



PHASE I
 TEMPORARY PAVEMENT
 CONSTRUCTION

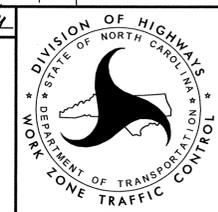
\$\$\$\$\$SYTIME\$\$\$\$\$
 \$\$\$USERNAME\$\$\$



APPROVED: *[Signature]* DATE: *1/10/14*

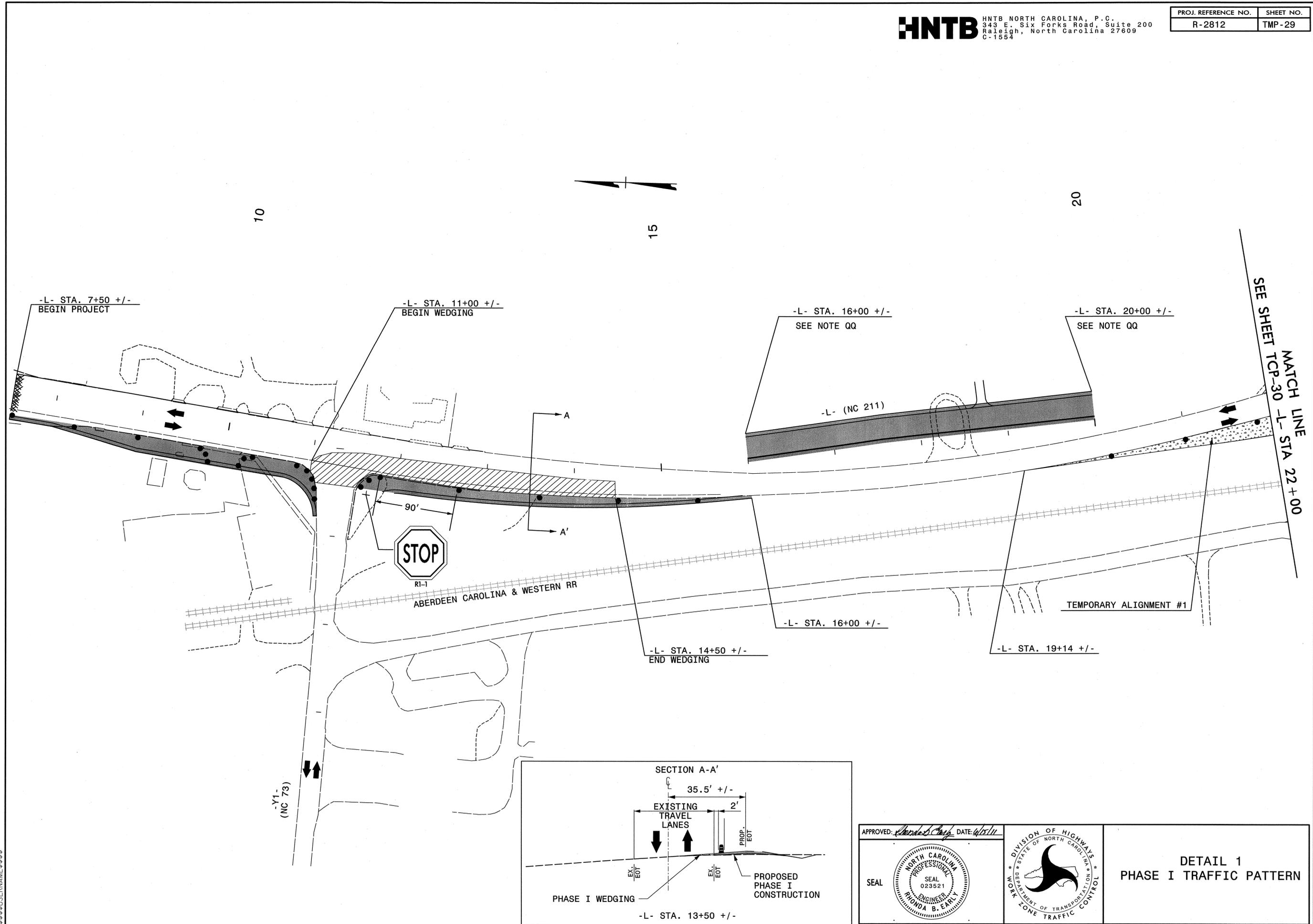
SEAL

NORTH CAROLINA PROFESSIONAL ENGINEER
 SEAL 023521
 RHONDA B. EARLY

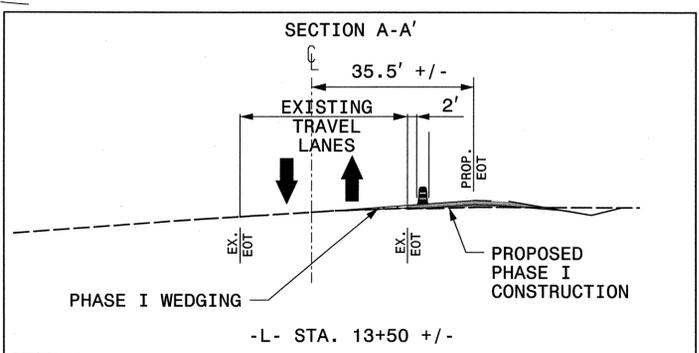


PHASE I
 TEMPORARY PAVEMENT
 CONSTRUCTION

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

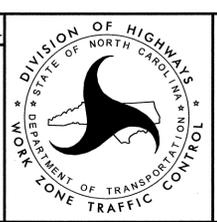


SYTIME\$\$\$\$
 DGN\$\$\$\$
 USERNAME\$\$\$\$

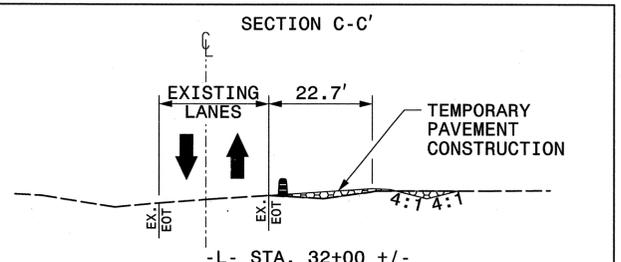
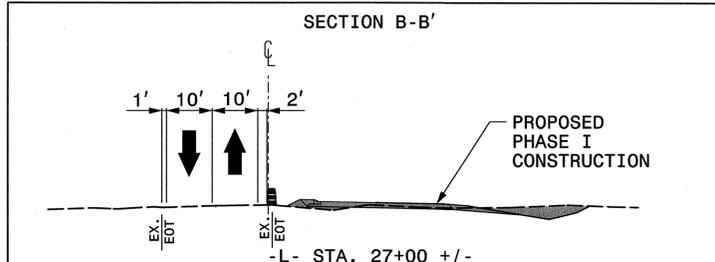
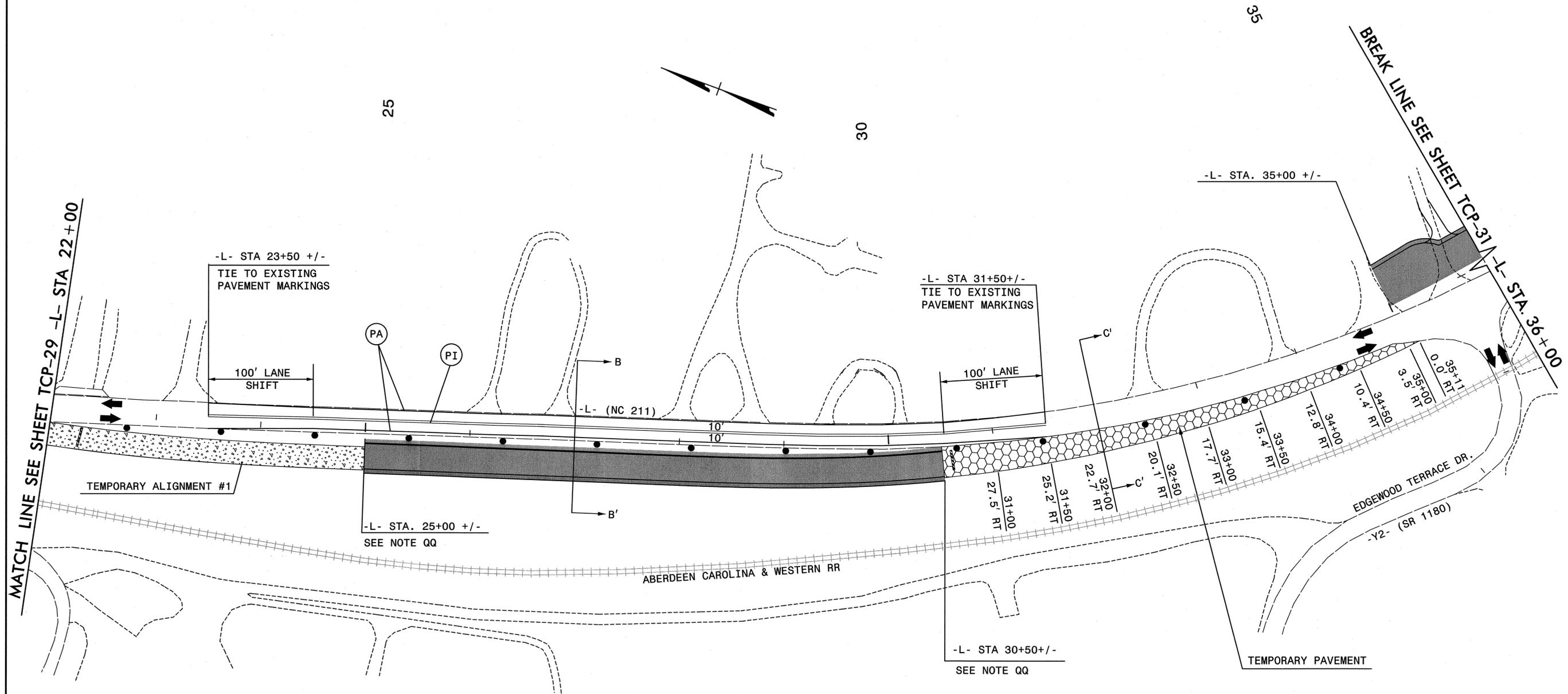


APPROVED: *[Signature]* DATE: 6/15/11

SEAL
 NORTH CAROLINA PROFESSIONAL ENGINEER
 SEAL 023521
 RONDA B. EARLY



DETAIL 1
 PHASE I TRAFFIC PATTERN

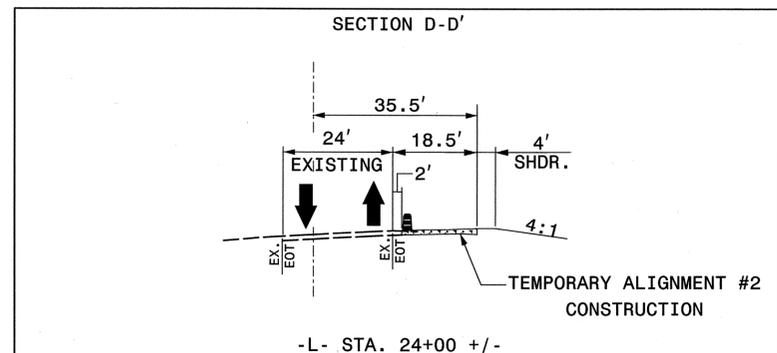
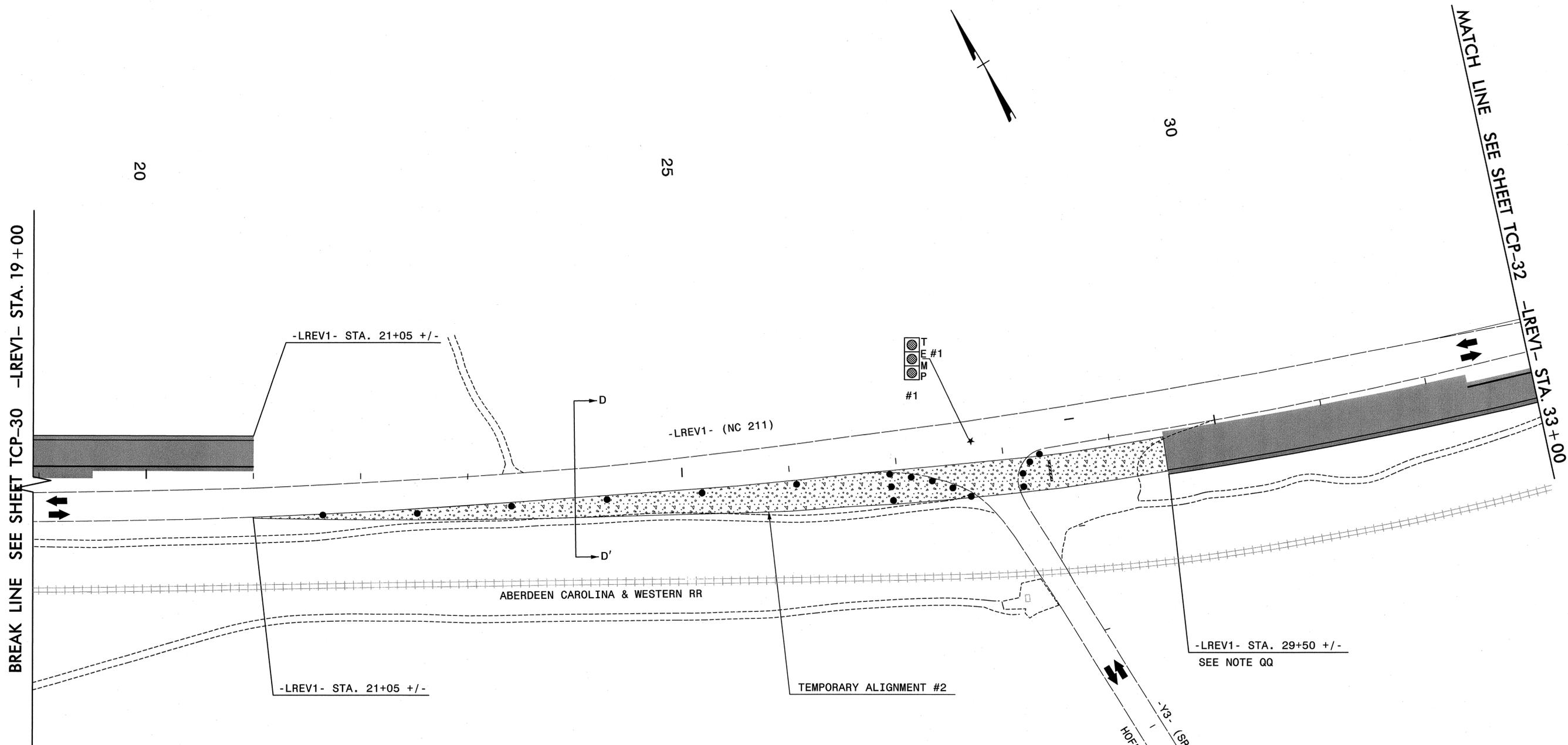


APPROVED: *[Signature]* DATE: 6/15/11
 SEAL
 NORTH CAROLINA PROFESSIONAL ENGINEER
 SEAL 029521
 RYONDA B. EARLY

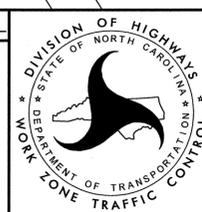


DETAIL 2
 PHASE I TRAFFIC PATTERN

#####SYTIME#####
 #####DCON#####
 #####USERNAME#####

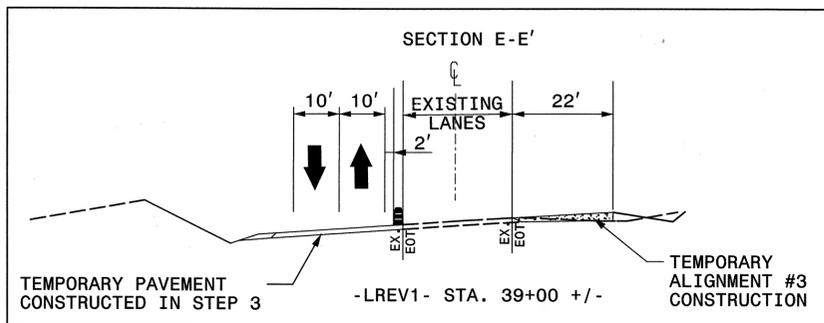
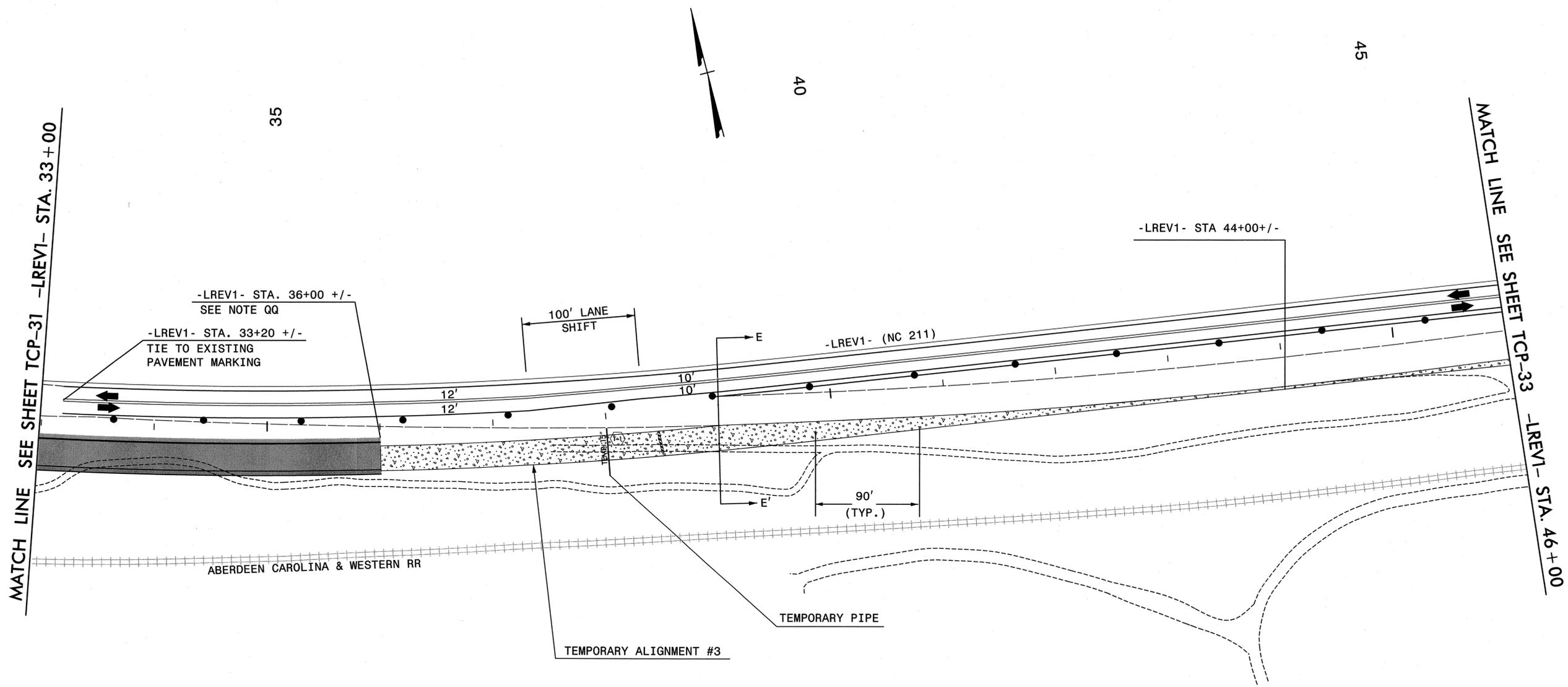


APPROVED: *[Signature]* DATE: *10/11/11*



DETAIL 3
 PHASE I TRAFFIC PATTERN

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



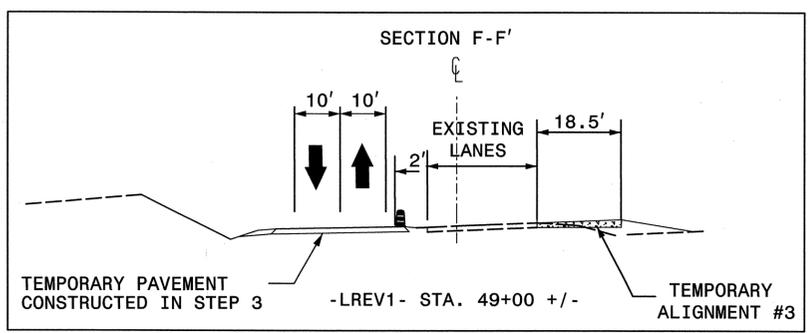
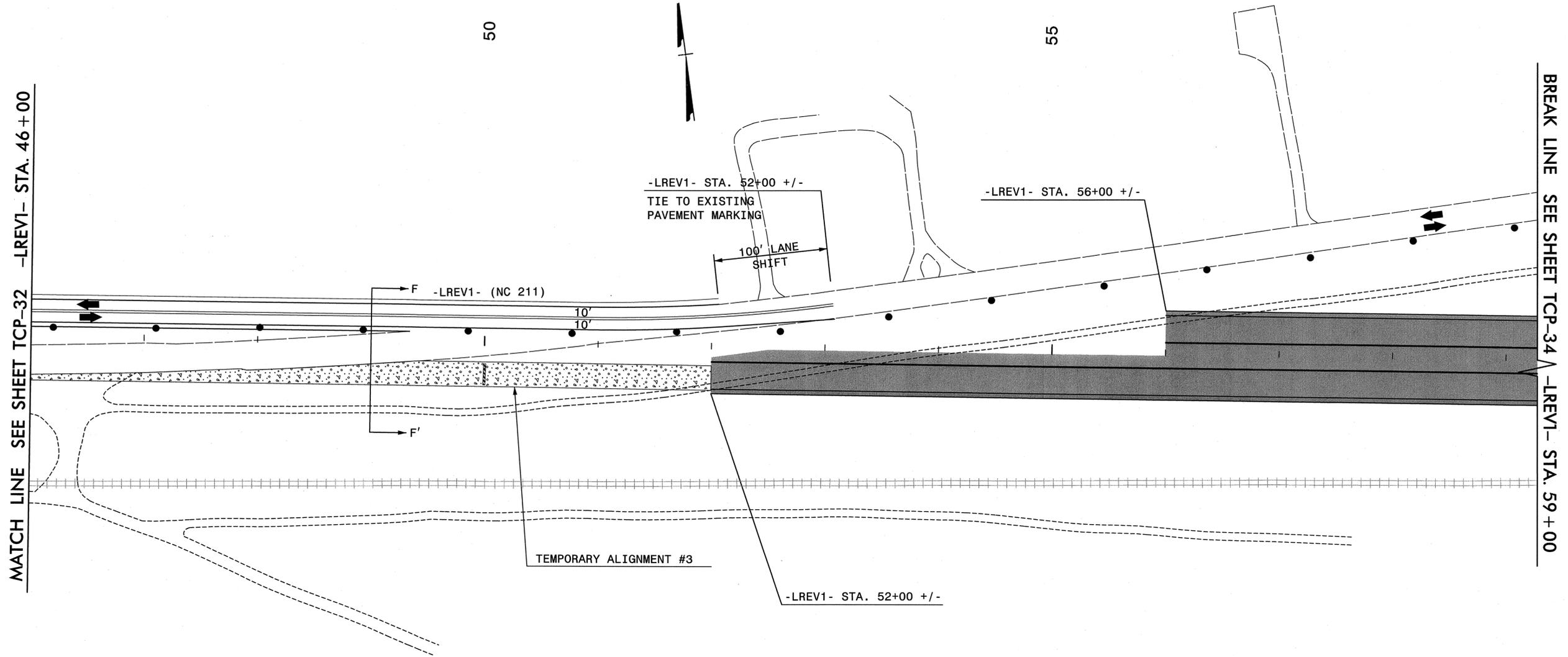
APPROVED: *[Signature]* DATE: 6/15/11

SEAL: NORTH CAROLINA PROFESSIONAL ENGINEER WYONDA B. EARLY 023521



DETAIL 4
 PHASE I TRAFFIC PATTERN

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



APPROVED: *[Signature]* DATE: 6/15/11

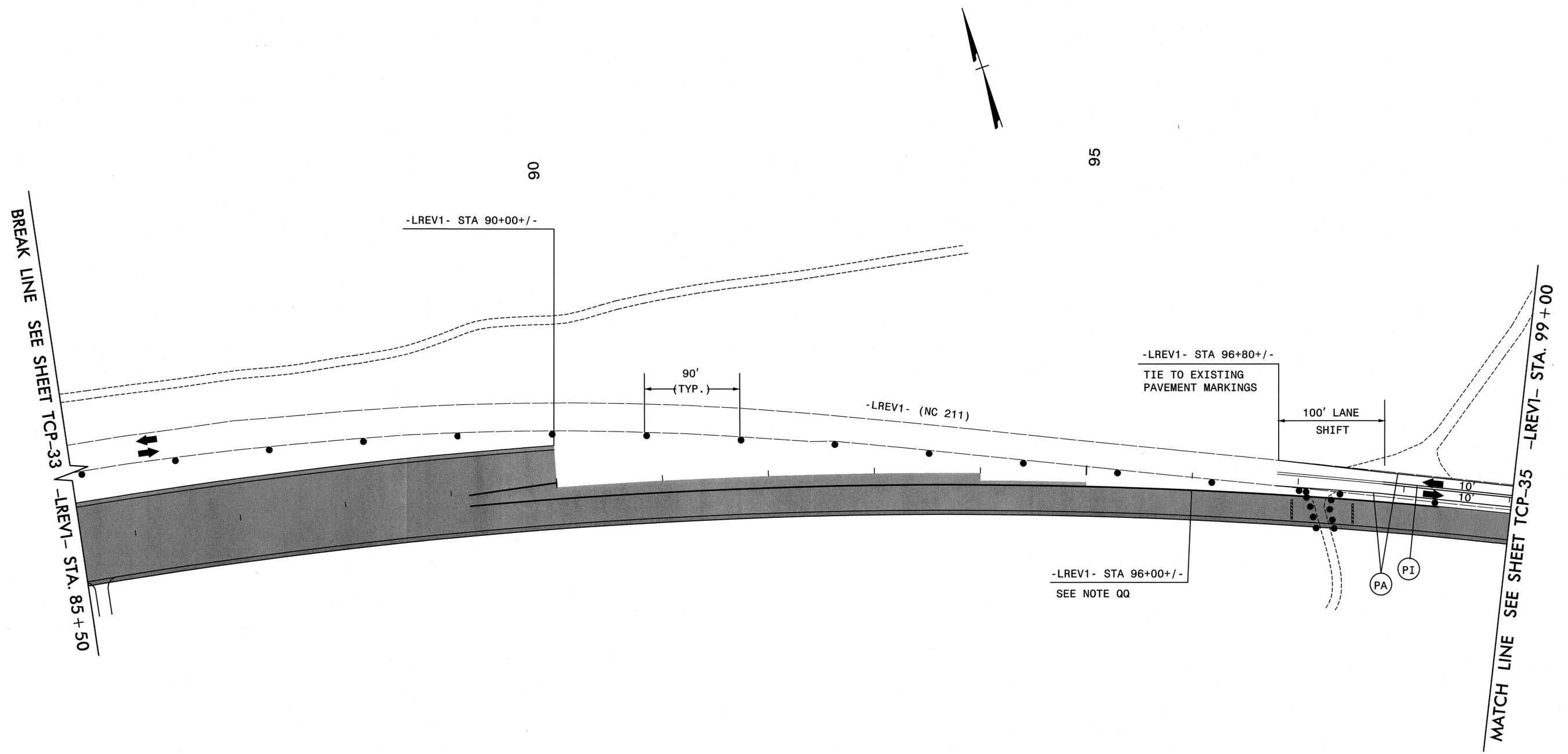
SEAL

NORTH CAROLINA PROFESSIONAL ENGINEER SEAL 023521 WYONDA B. EARLY



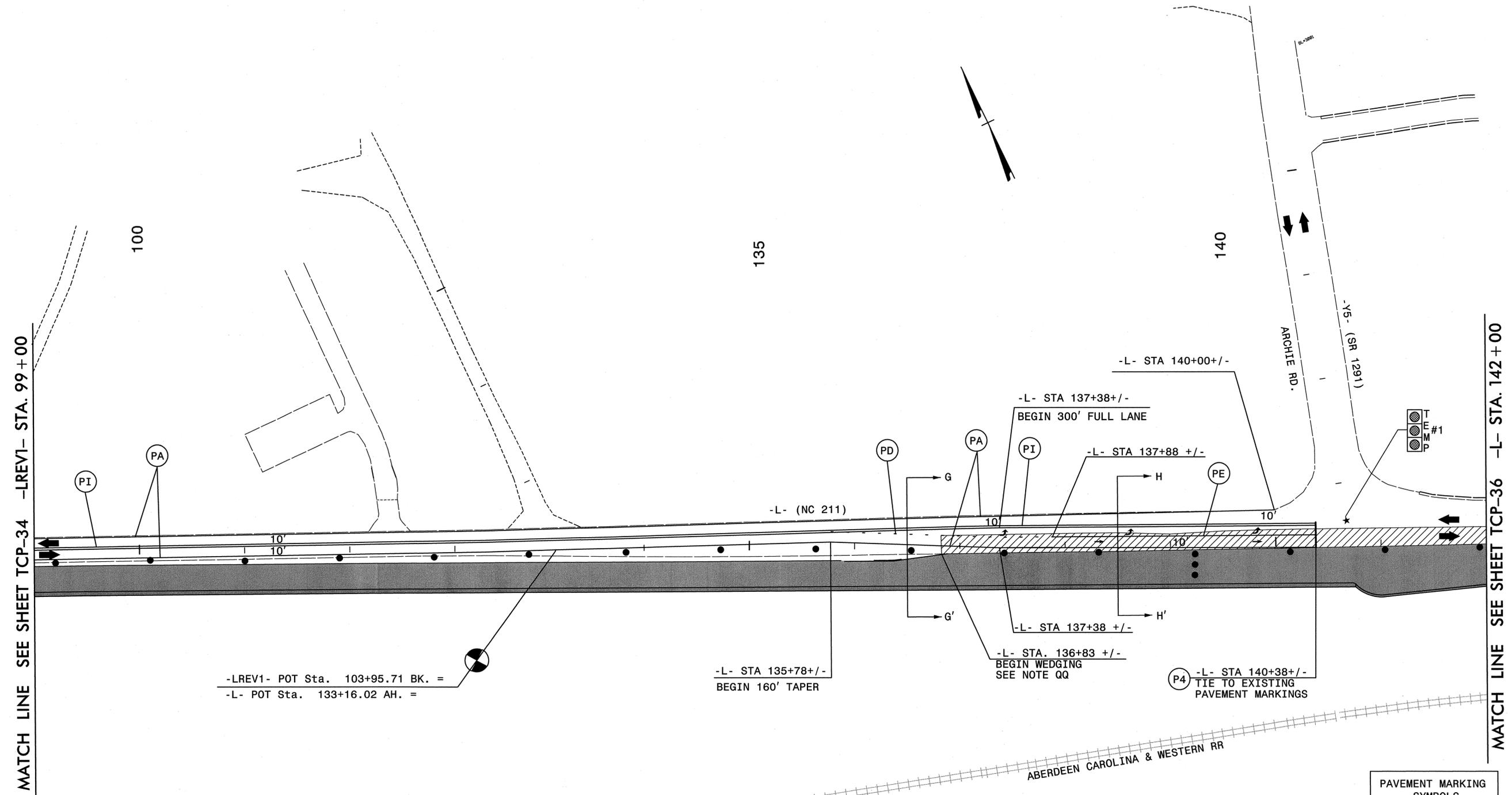
DETAIL 5
 PHASE I TRAFFIC PATTERN

\$\$\$\$\$SYTIME\$\$\$\$\$
 \$\$\$DDGN\$\$\$\$\$
 \$\$\$USERNAM\$\$\$\$\$



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

| | | |
|--|---|--|
| <p>APPROVED: <i>[Signature]</i> DATE: <i>6/18/11</i></p> <p>SEAL</p> | <p>DIVISION OF HIGHWAYS STATE OF NORTH CAROLINA DEPARTMENT OF TRANSPORTATION WORK ZONE TRAFFIC CONTROL</p> | <p>DETAIL 6 PHASE I TRAFFIC PATTERN</p> |
|--|---|--|

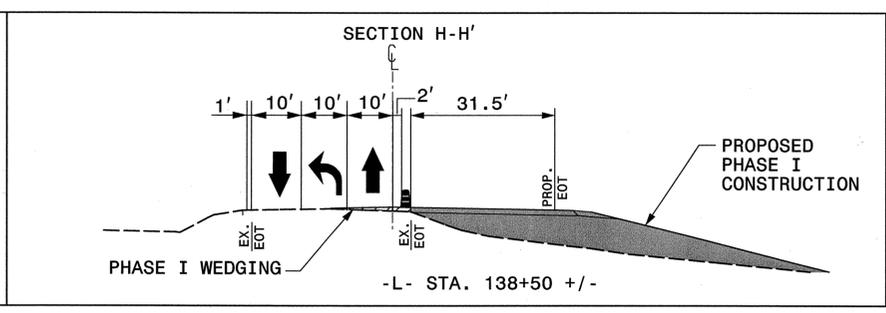
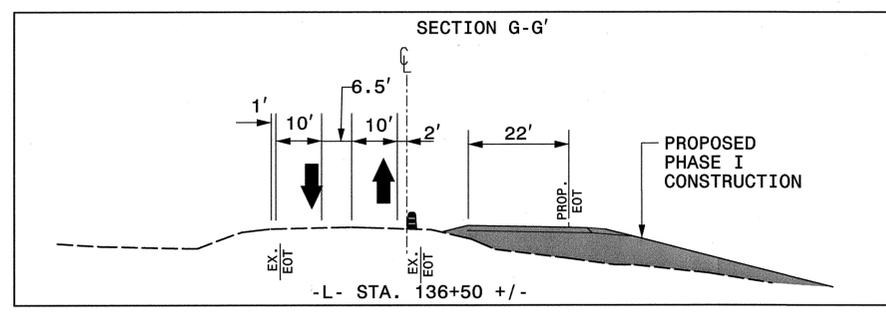
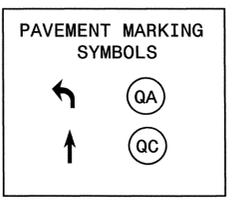


-LREV1- POT Sta. 103+95.71 BK. =
 -L- POT Sta. 133+16.02 AH. =

-L- STA 135+78 +/-
 BEGIN 160' TAPER

-L- STA. 136+83 +/-
 BEGIN WEDGING
 SEE NOTE QQ

P4 -L- STA 140+38 +/-
 TIE TO EXISTING
 PAVEMENT MARKINGS



APPROVED: *[Signature]* DATE: 6/20/11

SEAL



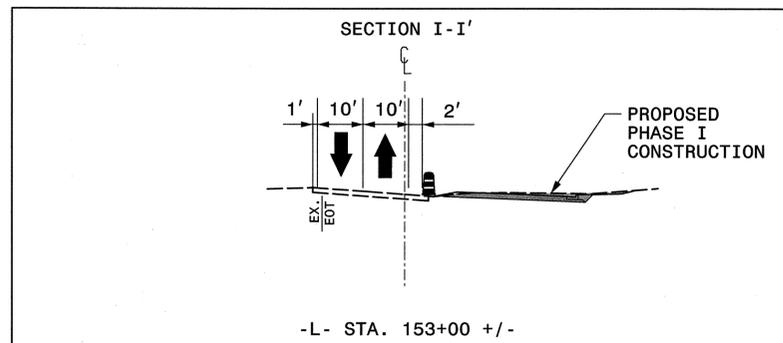
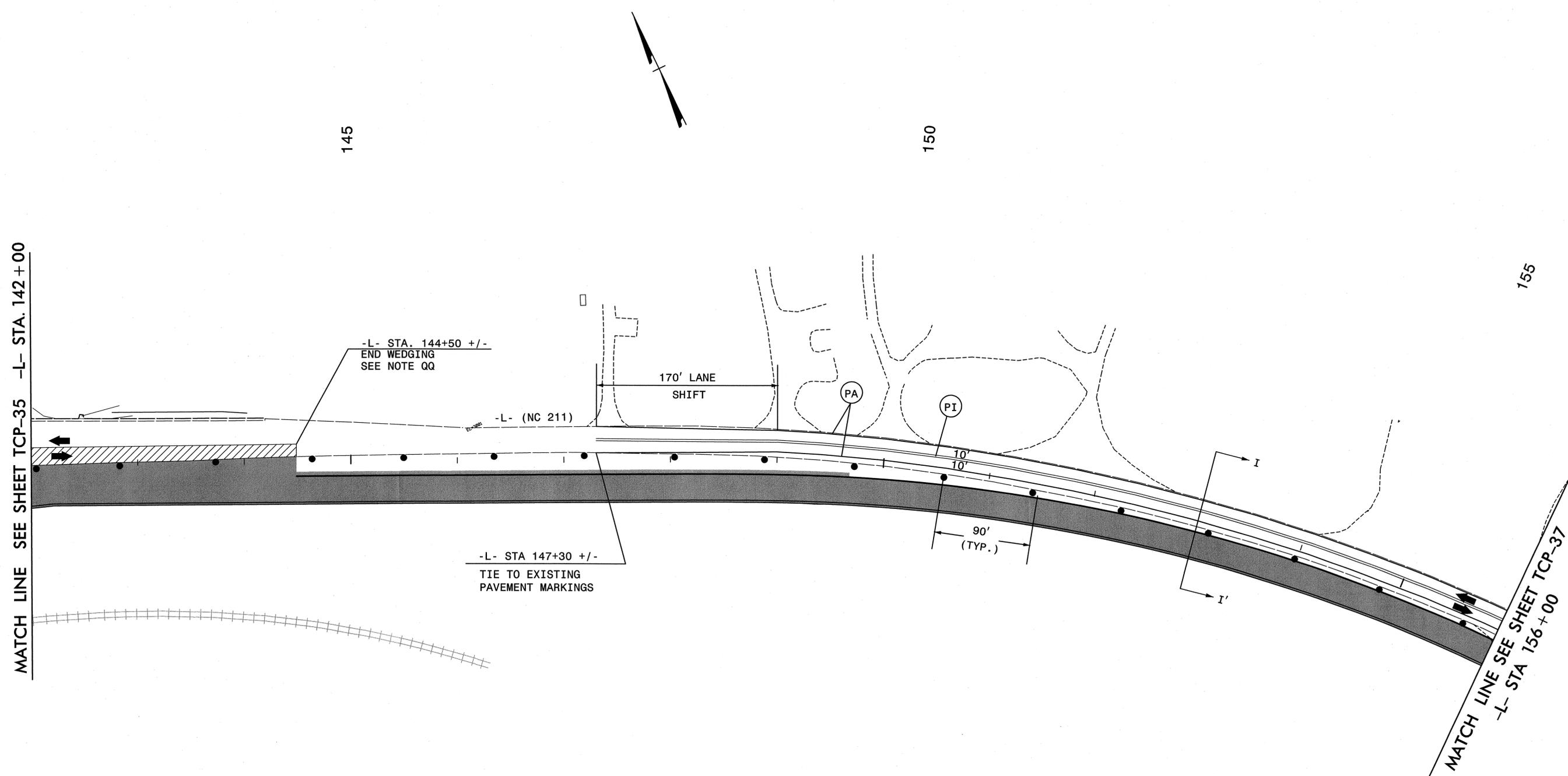
DETAIL 7
 PHASE I TRAFFIC PATTERN

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



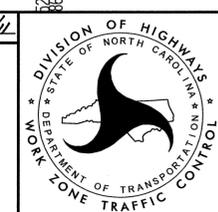
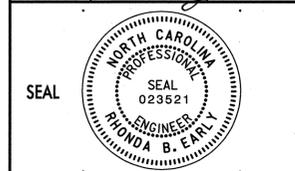
HNTB NORTH CAROLINA, P.C.
 343 E. Six Forks Road, Suite 200
 Raleigh, North Carolina 27609
 C-1554

| | |
|---------------------|-----------|
| PROJ. REFERENCE NO. | SHEET NO. |
| R-2812 | TMP-36 |

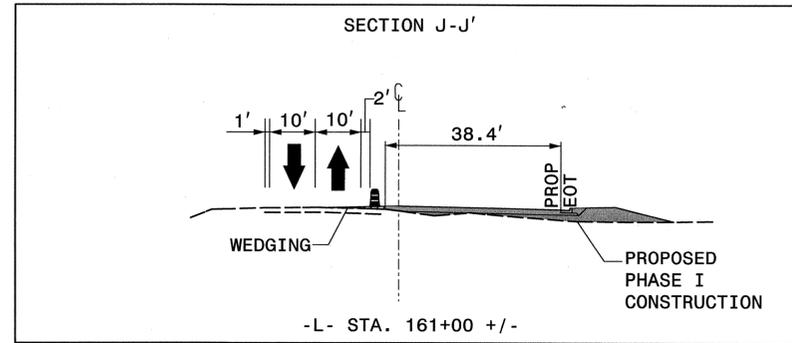
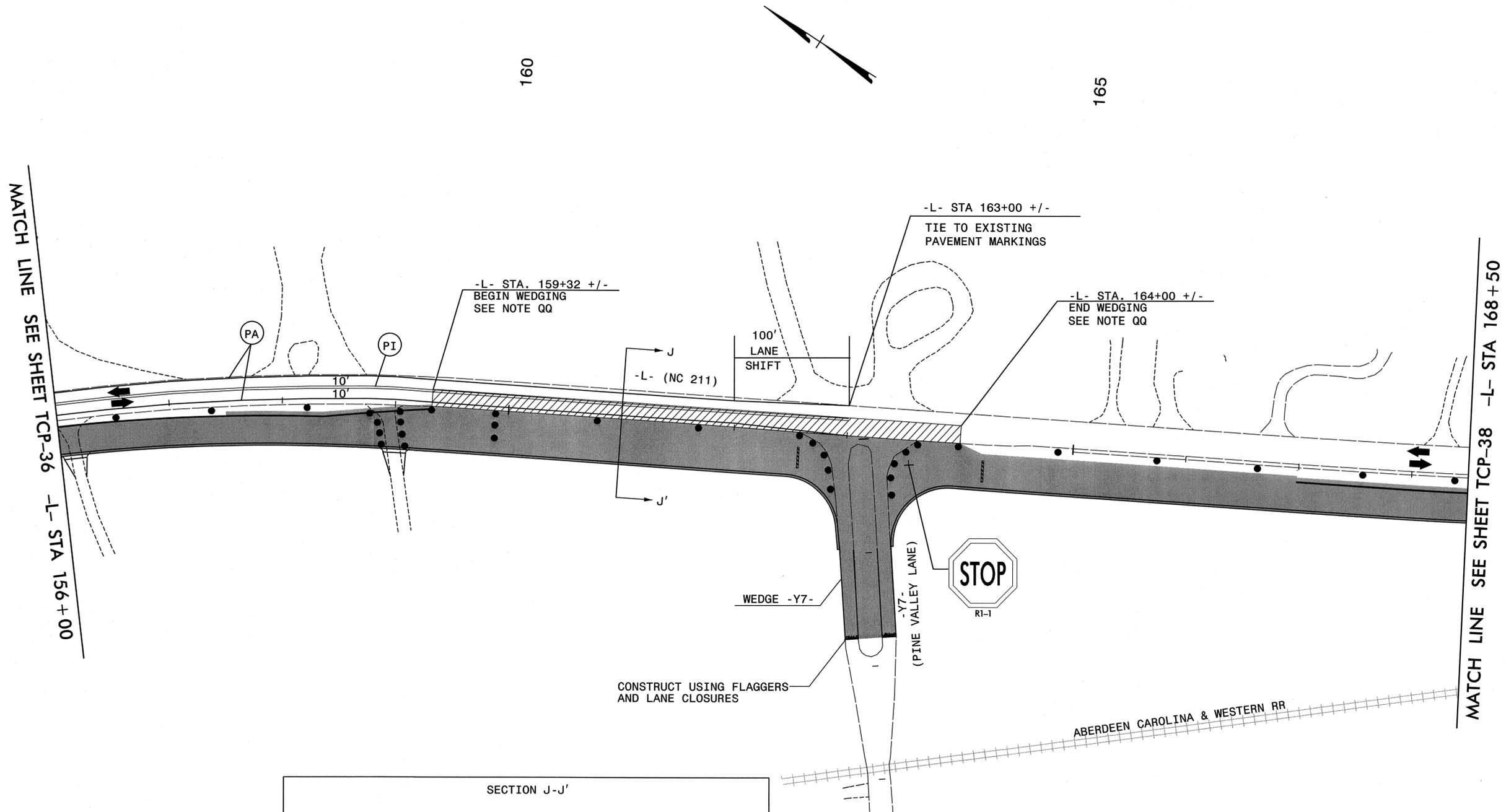


\$\$\$\$\$SYTIME\$\$\$\$\$
 \$\$\$DDON\$\$\$\$\$
 \$\$\$USERNAME\$\$\$\$\$

APPROVED: *[Signature]* DATE: *4/15/11*

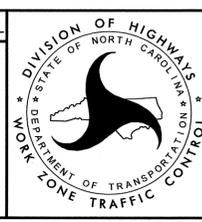


DETAIL 8
 PHASE I TRAFFIC PATTERN



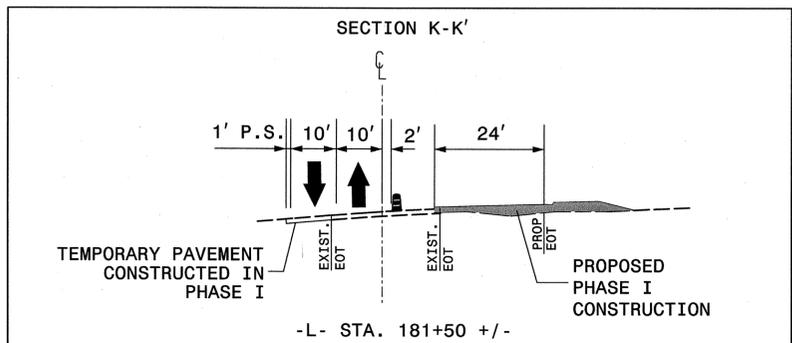
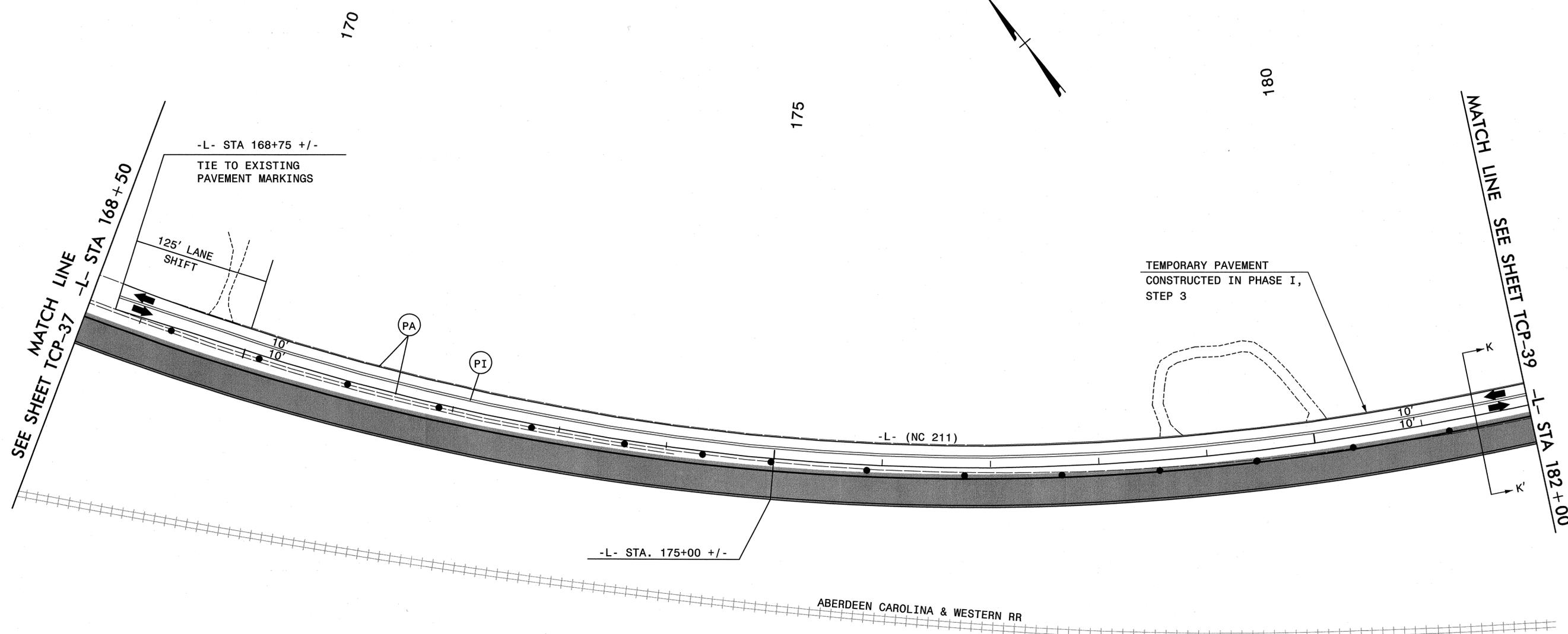
APPROVED: *[Signature]* DATE: 6/15/11

SEAL
 NORTH CAROLINA PROFESSIONAL ENGINEER
 SEAL 023521
 WYONDA B. EARLY



DETAIL 9
 PHASE I TRAFFIC PATTERN

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



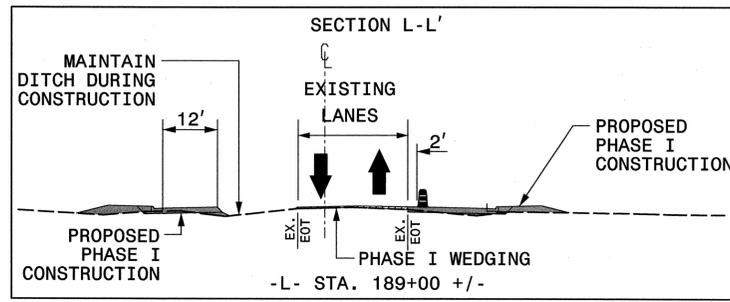
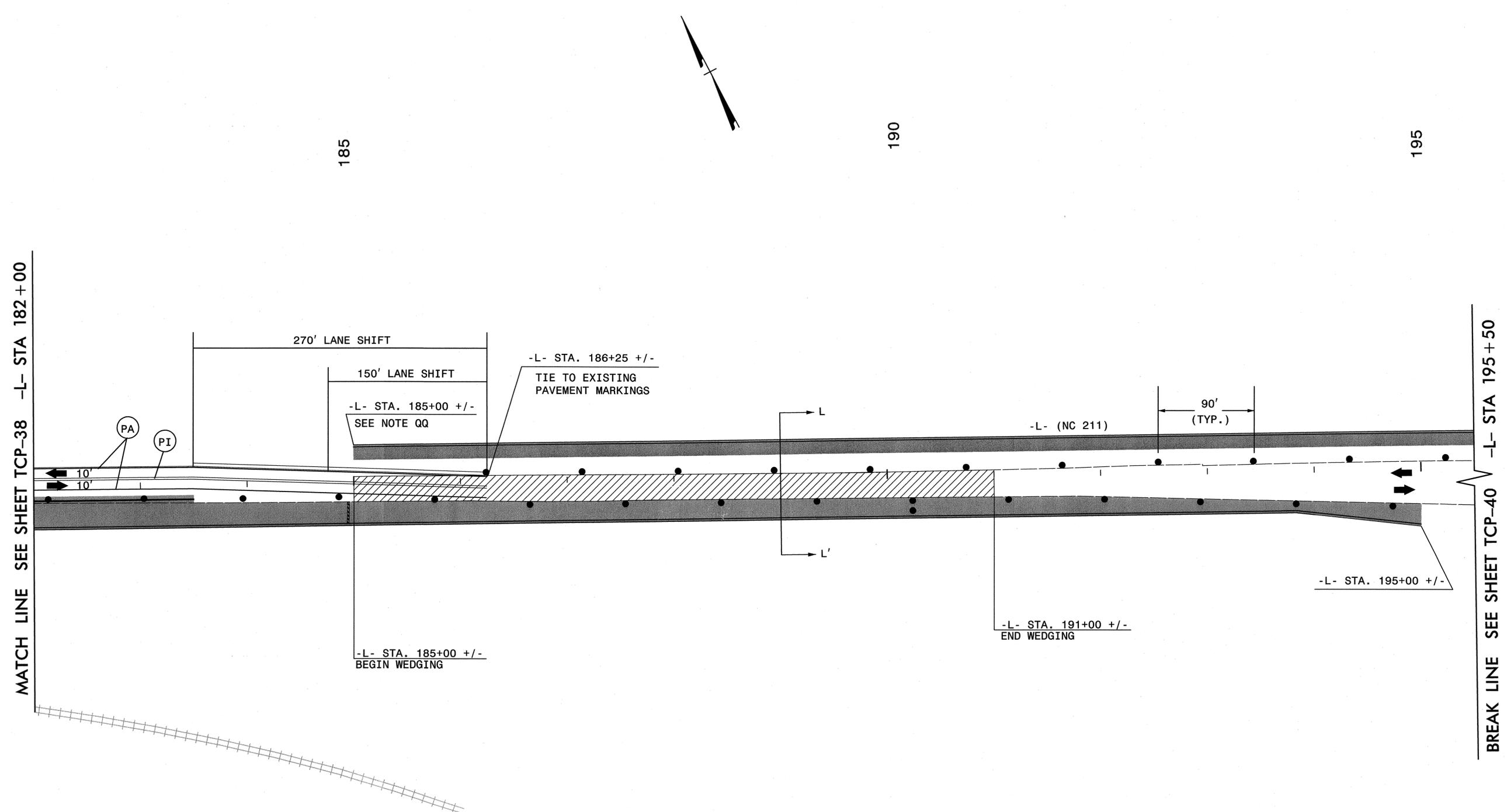
APPROVED: *[Signature]* DATE: *6/15/11*

SEAL
 NORTH CAROLINA PROFESSIONAL ENGINEER
 SEAL 023521
 RYONDA B. EARLY



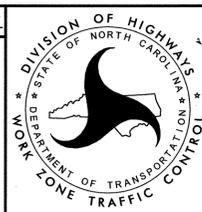
DETAIL 10
 PHASE I TRAFFIC PATTERN

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



APPROVED: *[Signature]* DATE: *4/15/11*

SEAL
 NORTH CAROLINA PROFESSIONAL ENGINEER
 PRONDA B. EARLY
 023521



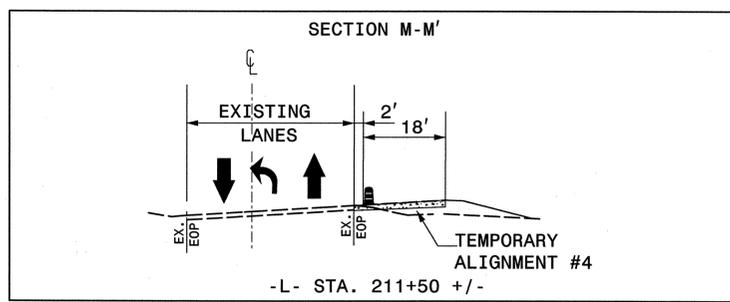
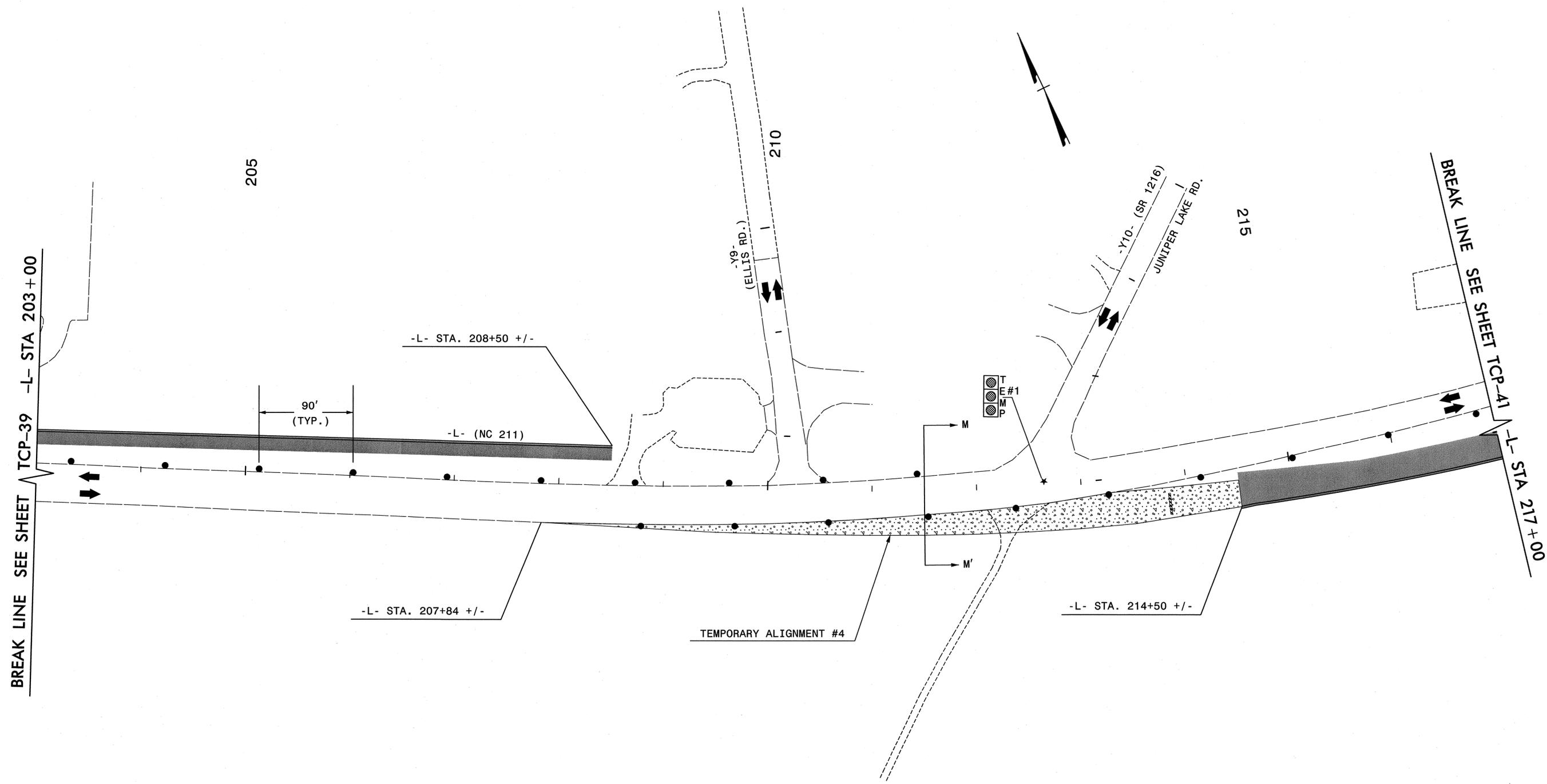
DETAIL 11
PHASE I TRAFFIC PATTERN

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



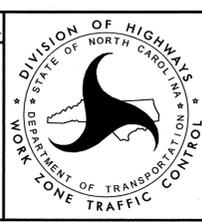
HNTB NORTH CAROLINA, P.C.
 343 E. Six Forks Road, Suite 200
 Raleigh, North Carolina 27609
 C-1554

| | |
|---------------------|-----------|
| PROJ. REFERENCE NO. | SHEET NO. |
| R-2812 | TMP-40 |



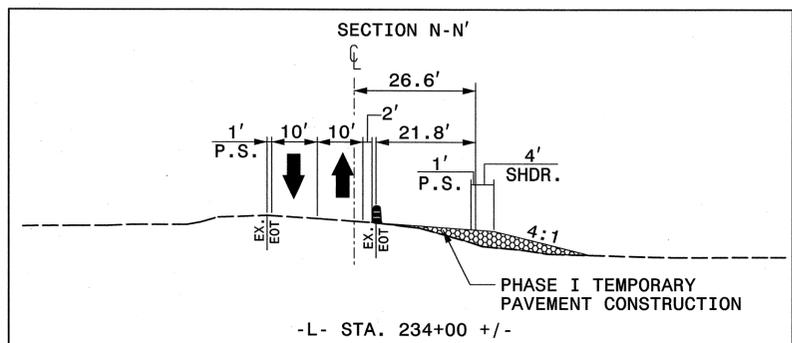
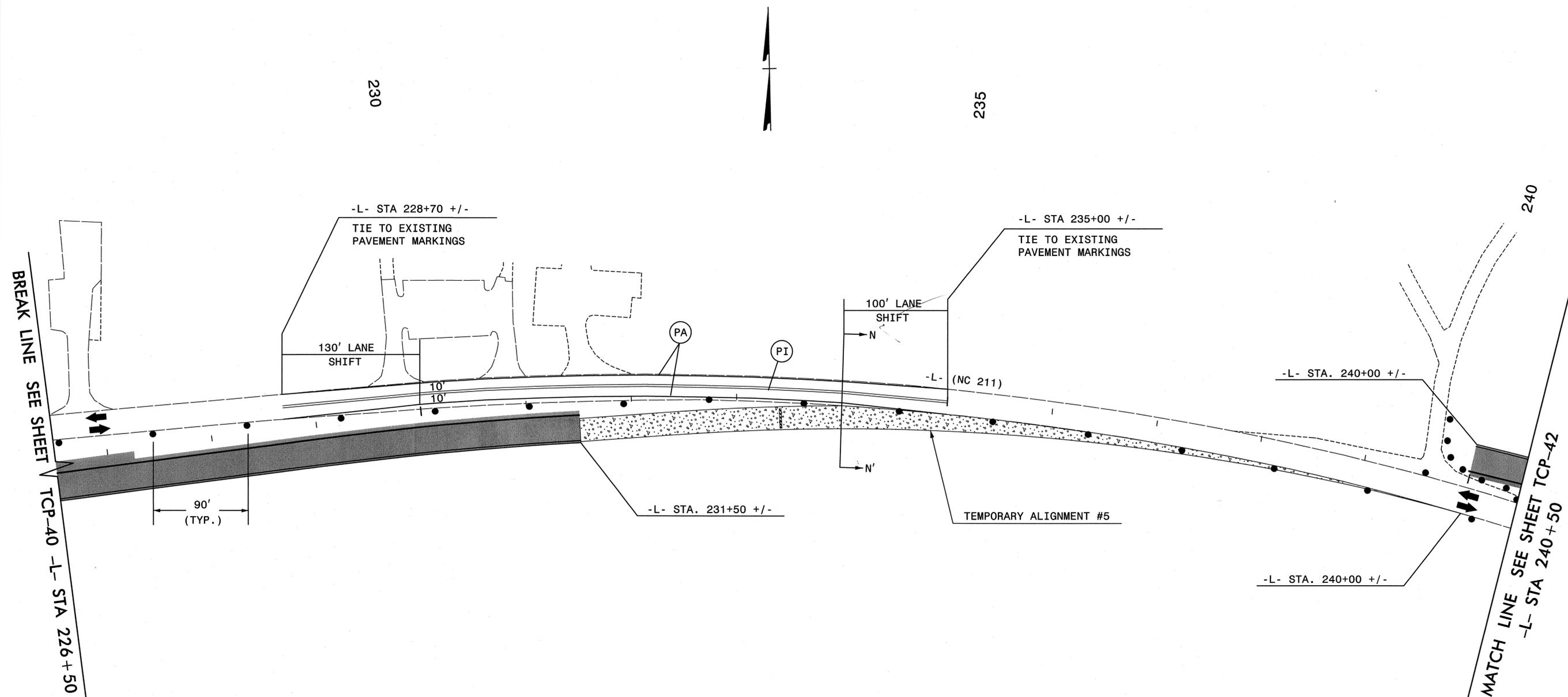
APPROVED: *[Signature]* DATE: 4/15/11

SEAL
 NORTH CAROLINA PROFESSIONAL ENGINEER
 SEAL 023521
 PHYONDA B. EARLY



DETAIL 12
 PHASE I TRAFFIC PATTERN

*****SYSTEM*****
 *****DGN*****
 *****USER*****



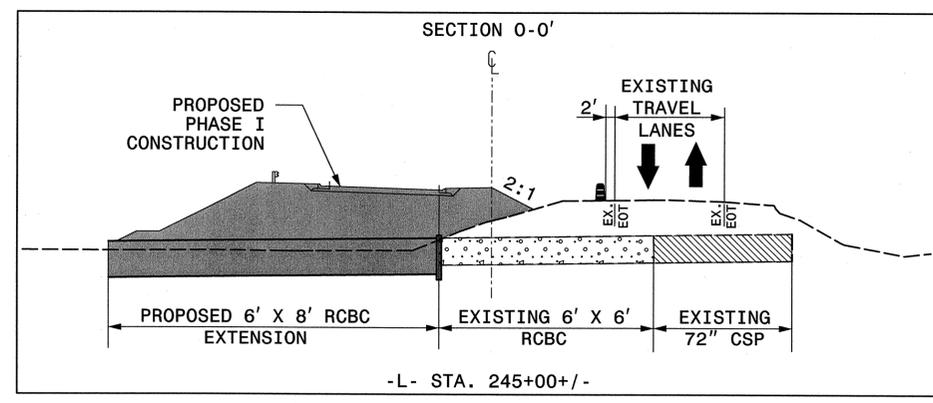
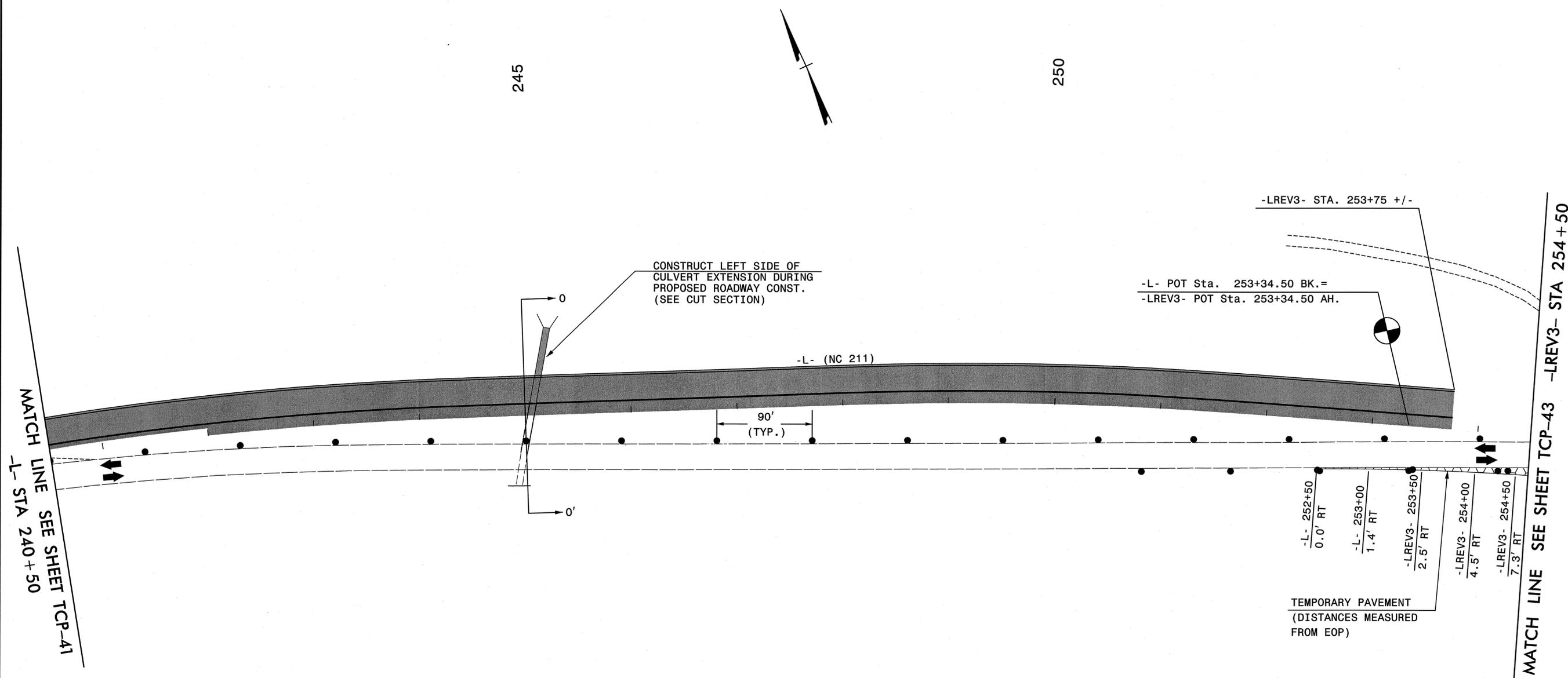
APPROVED: *[Signature]* DATE: *4/15/11*

SEAL



DETAIL 13
PHASE I TRAFFIC PATTERN

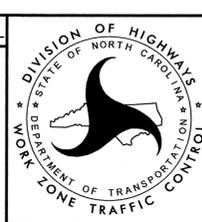
\$\$\$\$\$SYTIME\$\$\$\$\$
 \$\$\$DDGN\$\$\$\$\$
 \$\$\$USERNAME\$\$\$\$\$



APPROVED: *[Signature]* DATE: 4/5/11

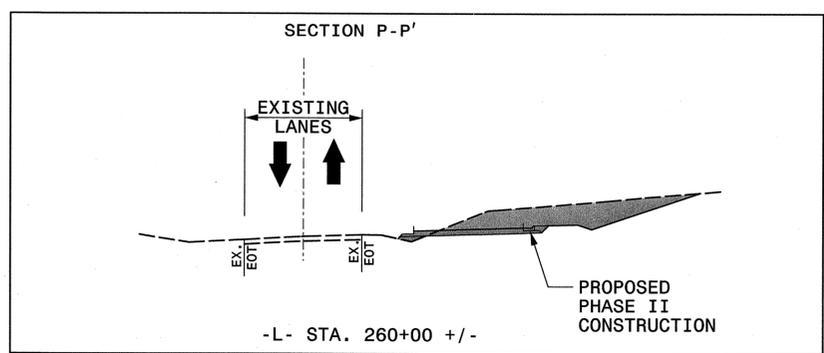
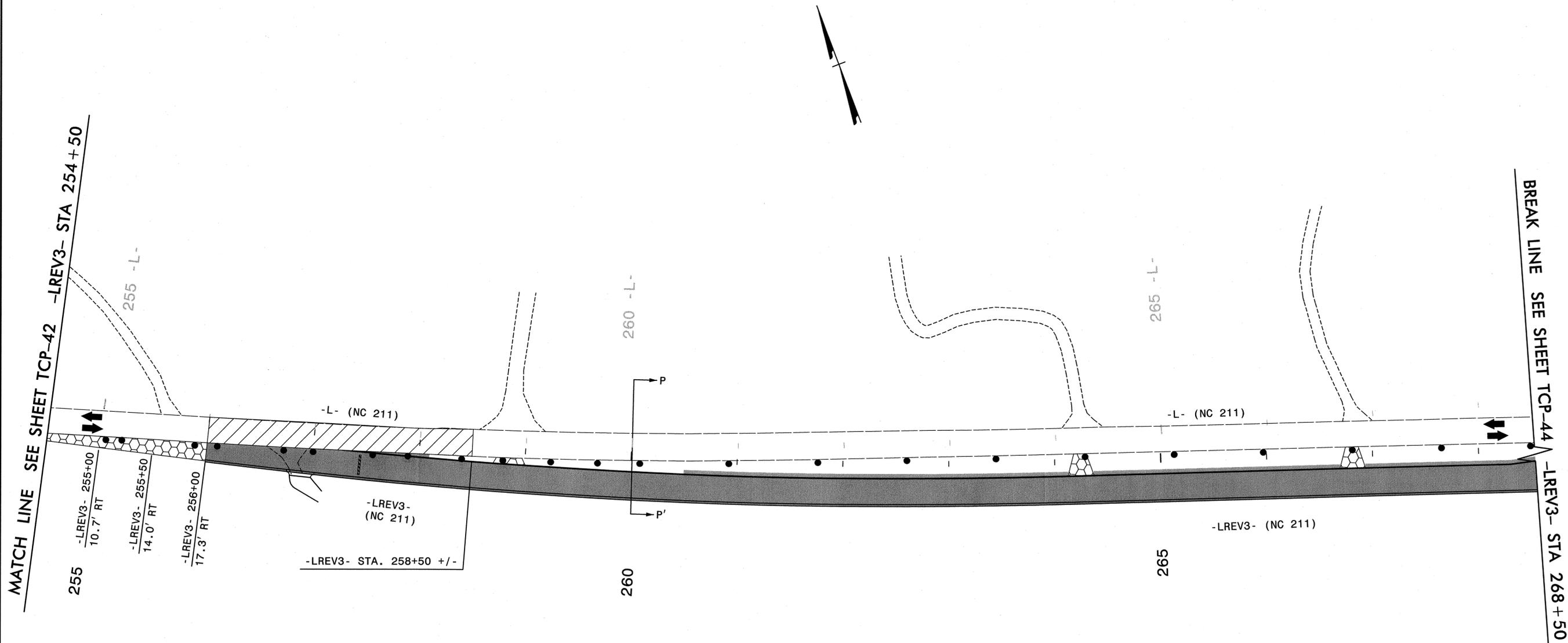
SEAL

NORTH CAROLINA PROFESSIONAL ENGINEER
 SEAL 023521
 PHONDA B. EARLY



DETAIL 14
 PHASE I TRAFFIC PATTERN

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



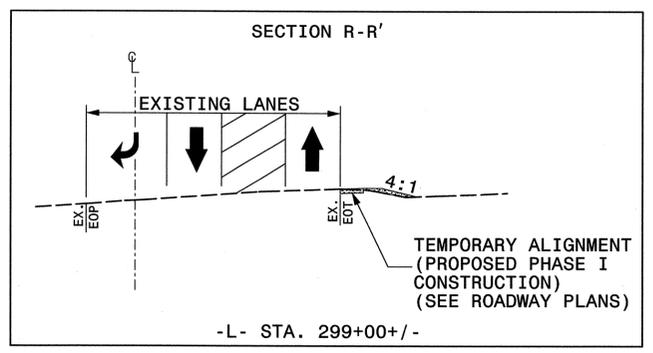
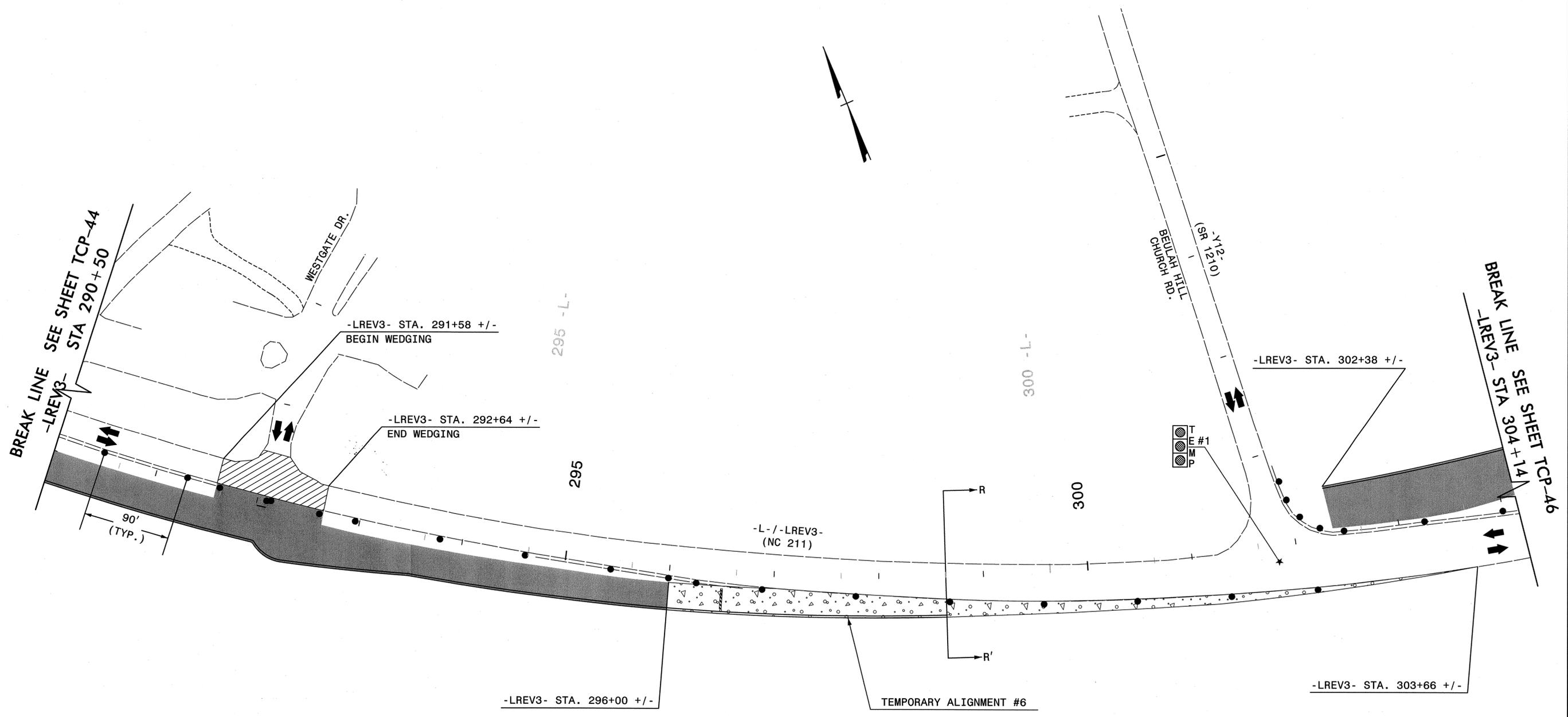
SYSTEMTIME: 08/21/11 10:00:00 AM
 D:\PROJECTS\2812\TMS\TMS-43\TMS-43.DWG
 USERNAME: JHE

APPROVED: *[Signature]* DATE: 6/2/11

SEAL
 NORTH CAROLINA PROFESSIONAL ENGINEER
 SEAL 023521
 RONDA B. EARLY



DETAIL 15
 PHASE I TRAFFIC PATTERN

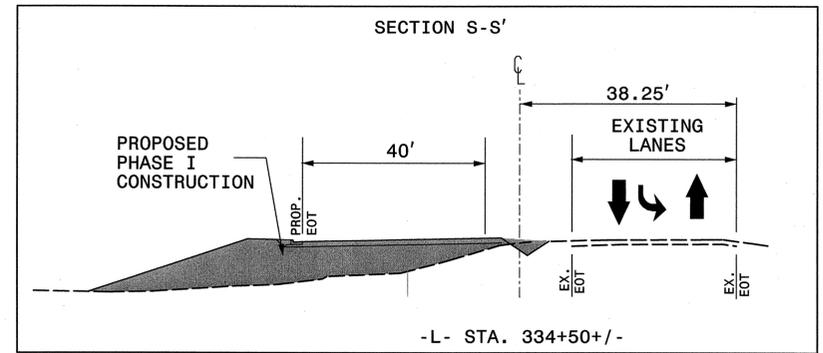
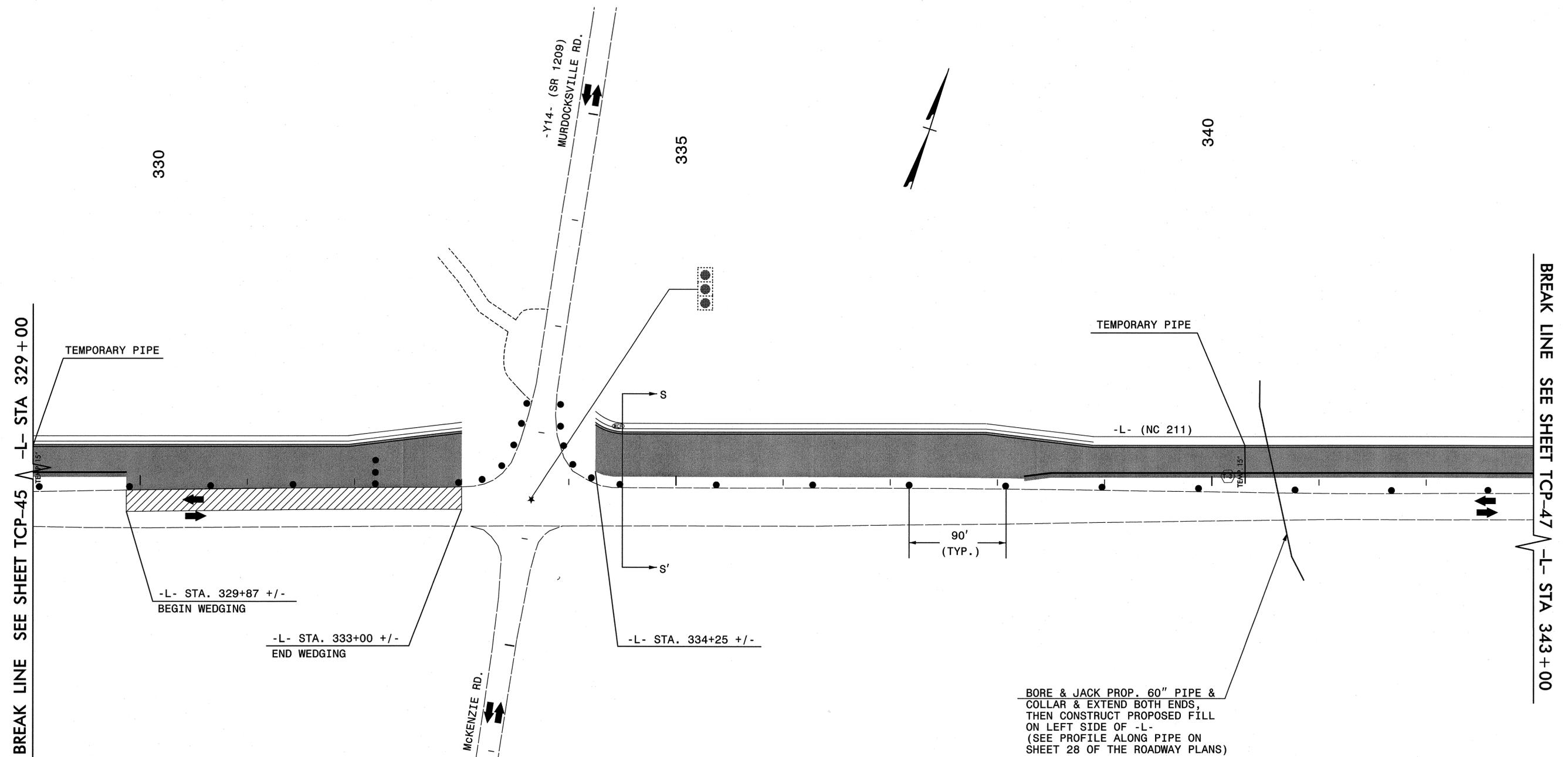


APPROVED: *[Signature]* DATE: 6/15/11
 SEAL
 NORTH CAROLINA PROFESSIONAL ENGINEER
 RONDA B. EARLY



DETAIL 17
 PHASE I TRAFFIC PATTERN

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



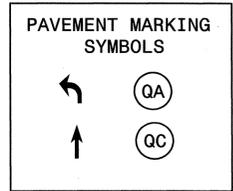
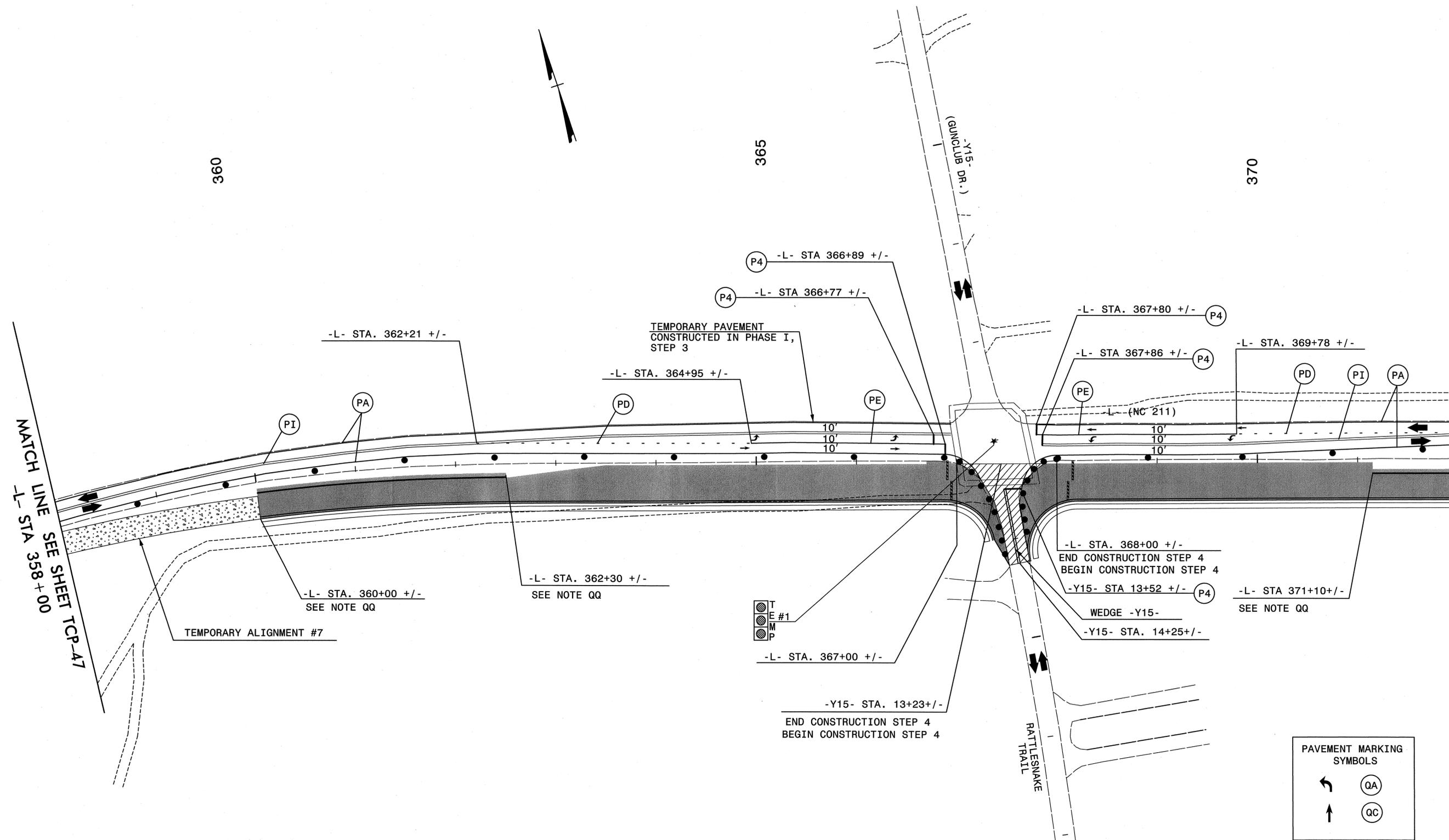
APPROVED: *[Signature]* DATE: 6/18/11

SEAL
 NORTH CAROLINA PROFESSIONAL ENGINEER
 023521
 RONALD B. EARLY



DETAIL 18
 PHASE I TRAFFIC PATTERN

\$\$\$\$\$SYTIME\$\$\$\$\$
 \$\$\$DDGN\$\$\$\$\$
 \$\$\$USERNAM\$\$\$\$\$



*****SYTIME*****
*****\$DGN*****
*****\$USER*****

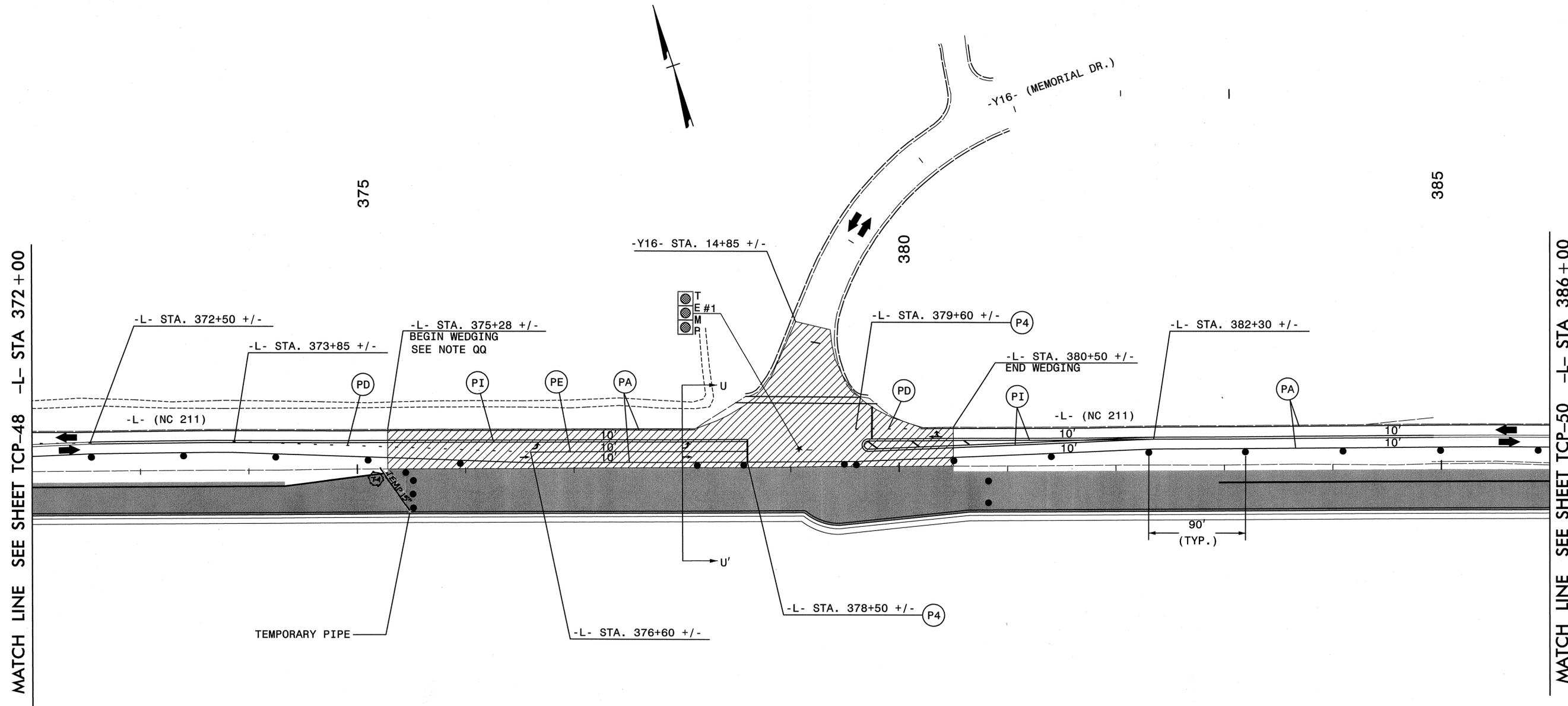
APPROVED: *[Signature]* DATE: 4/15/11

SEAL

NORTH CAROLINA
PROFESSIONAL
ENGINEER
RIONDA B. EARLY

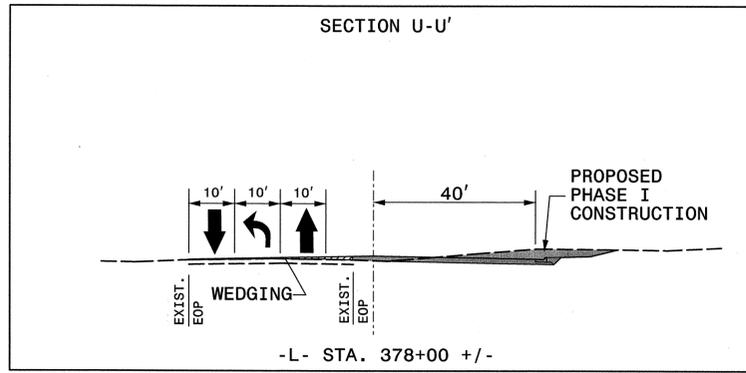


DETAIL 20
PHASE I TRAFFIC PATTERN



MATCH LINE SEE SHEET TCP-48 -L- STA 372+00

MATCH LINE SEE SHEET TCP-50 -L- STA 386+00



PAVEMENT MARKING SYMBOLS

| | |
|--|----|
| | QA |
| | QC |
| | QE |

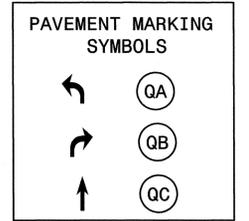
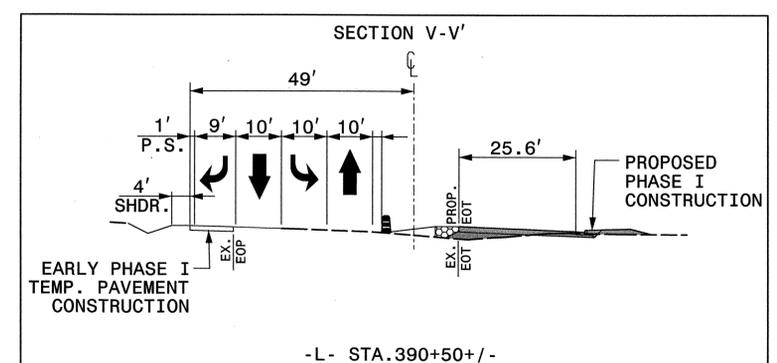
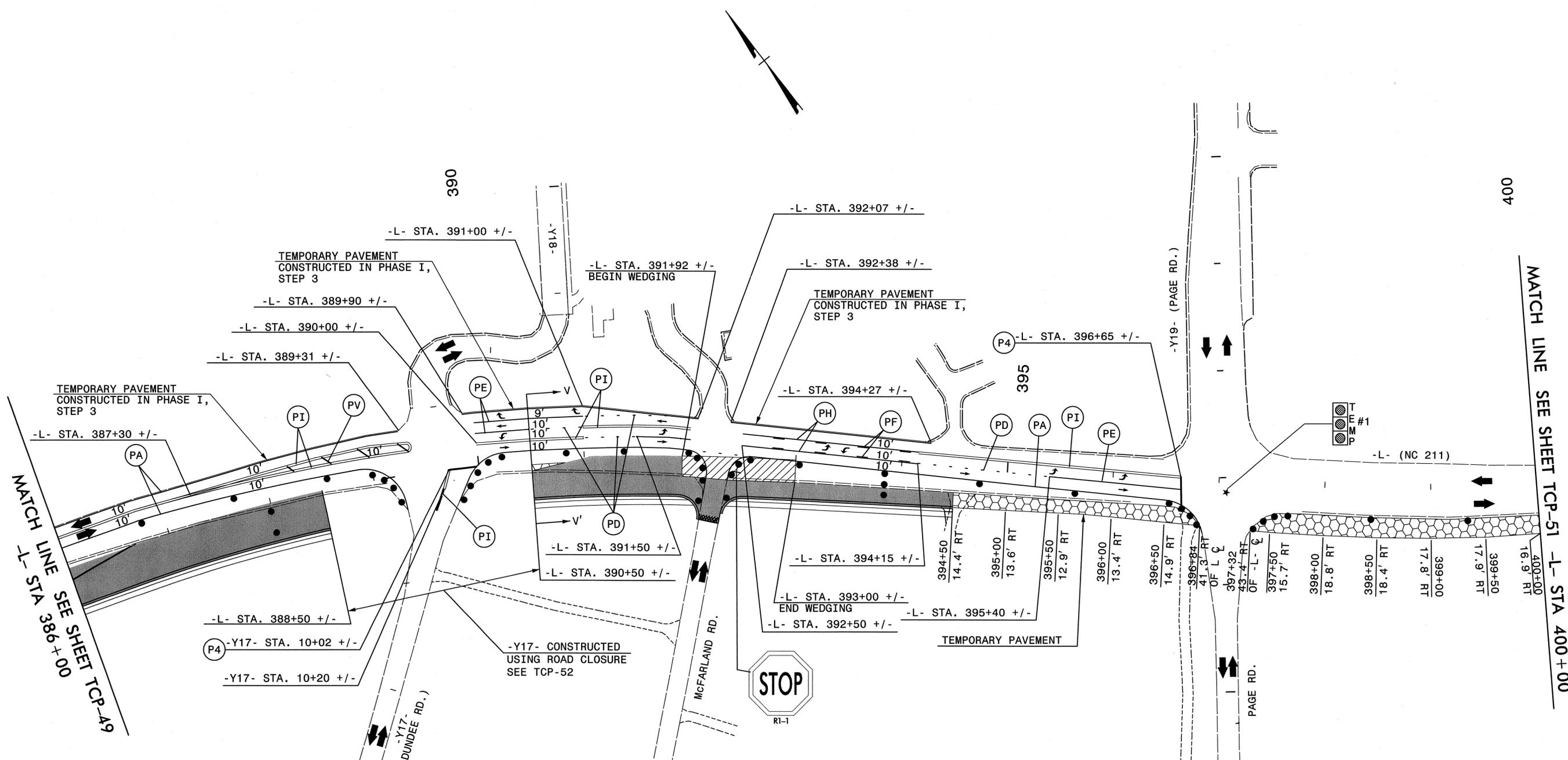
APPROVED: *[Signature]* DATE: 6/18/11

SEAL



DETAIL 21
 PHASE I TRAFFIC PATTERN

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



APPROVED: *[Signature]* DATE: 9/15/11

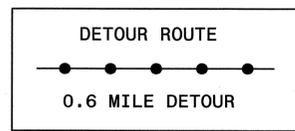
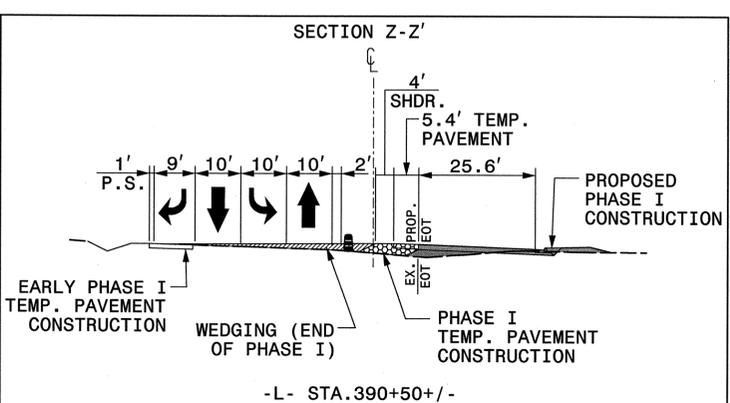
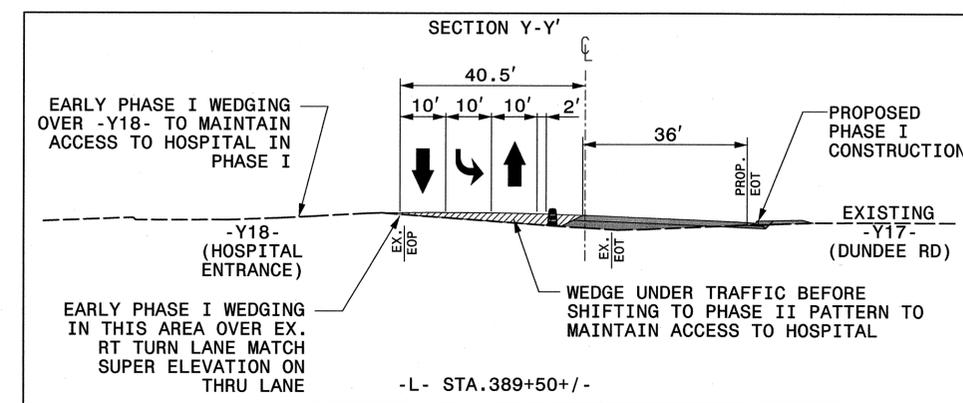
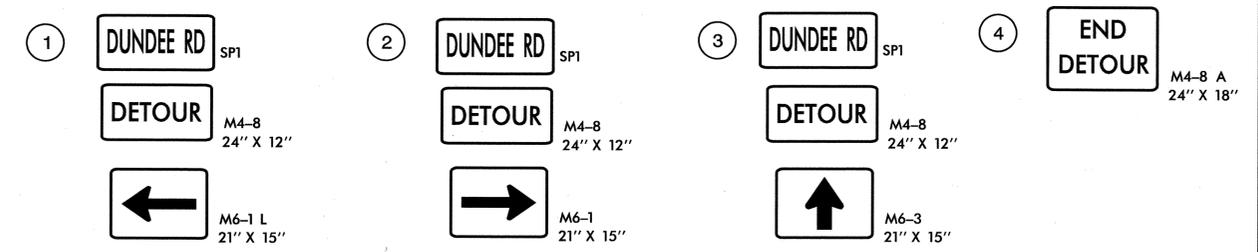
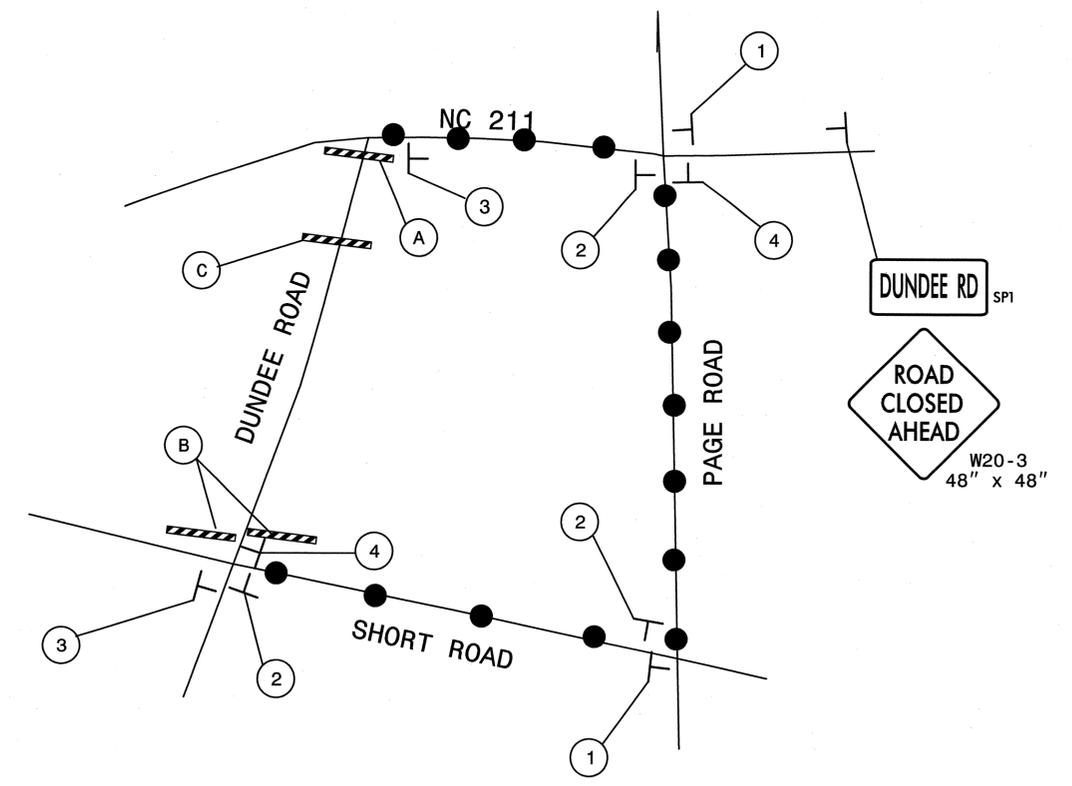
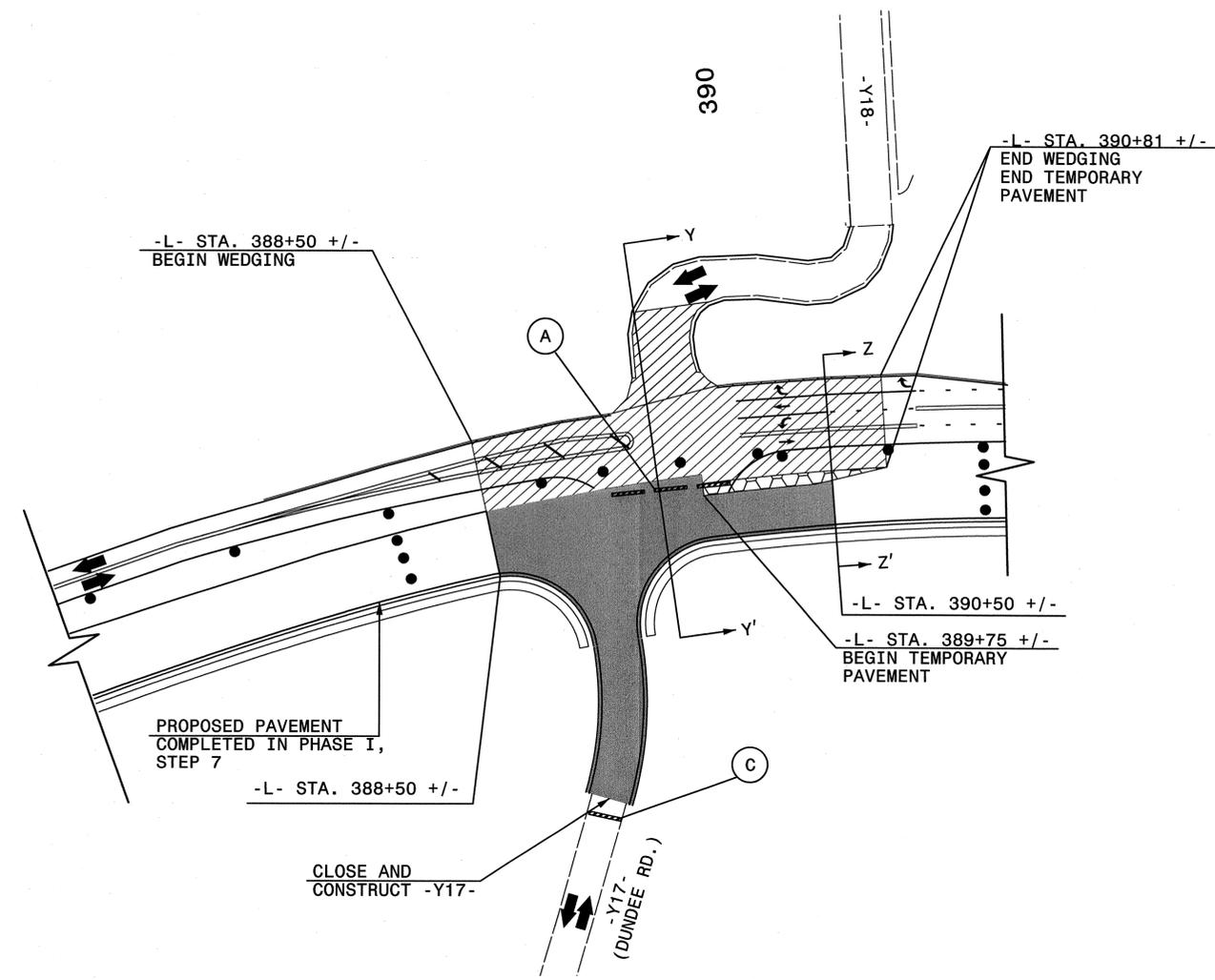
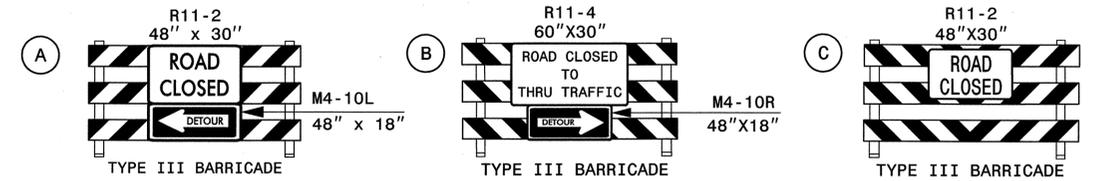
SEAL

NORTH CAROLINA PROFESSIONAL ENGINEER
 FLORIDA B. EARLY
 023521



DETAIL 22
 PHASE I TRAFFIC PATTERN

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



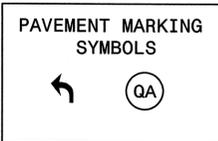
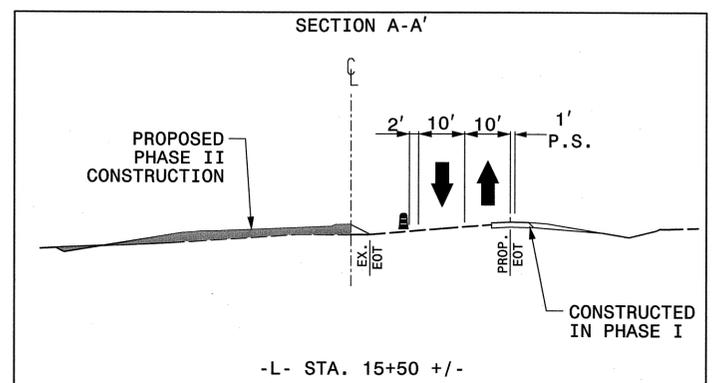
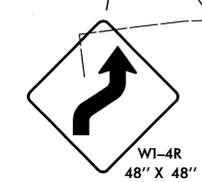
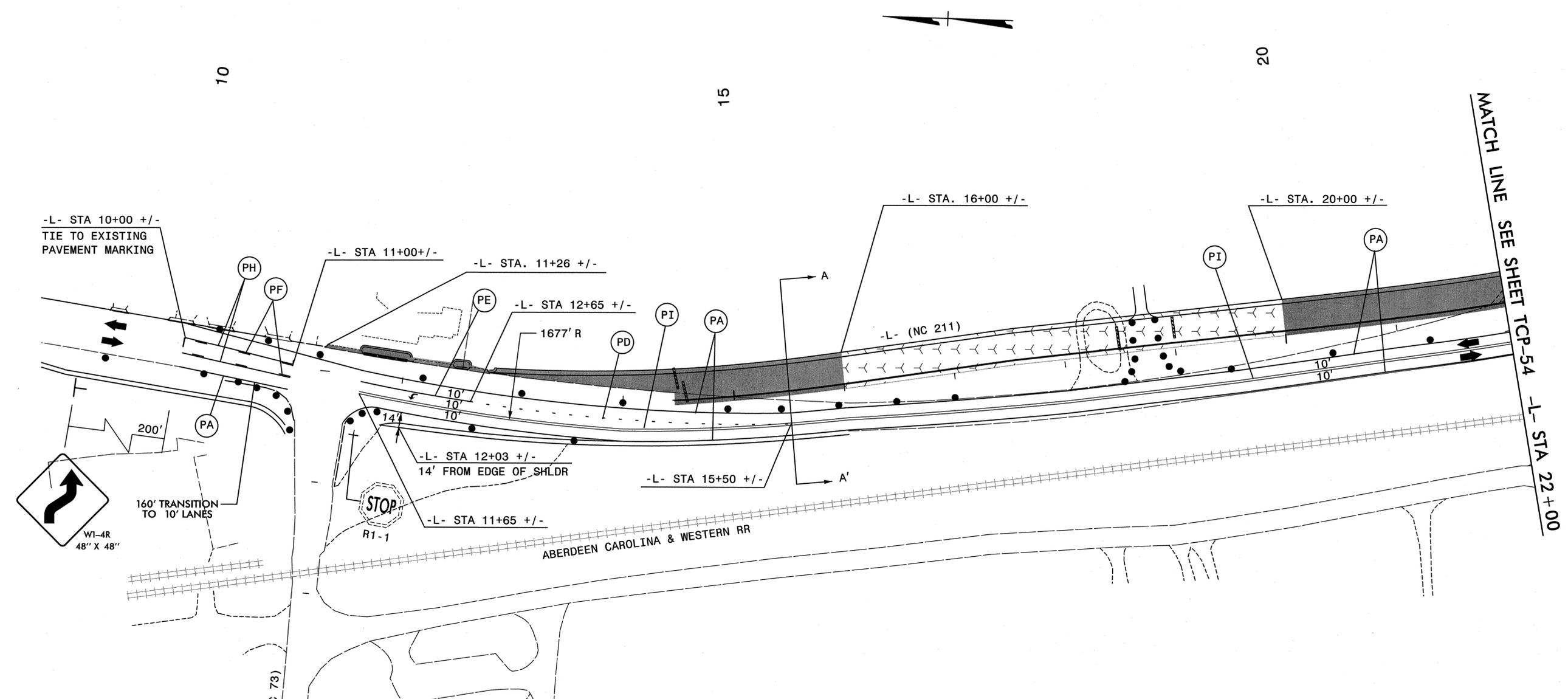
NOTES:
 * SEE RSD 1101.03, SHEET 1 OF 9, FOR ADDITIONAL SIGN PLACEMENT.
 * SEE SHEET SD-01 FOR SPECIAL SIGN DESIGN.

APPROVED: *[Signature]* DATE: *[Date]*
 SEAL
 NORTH CAROLINA PROFESSIONAL ENGINEER
 023521
 RYONDA B. EARLY



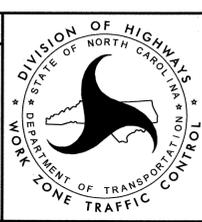
PHASE I DETAIL 24
 -Y17- CONSTRUCTION

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



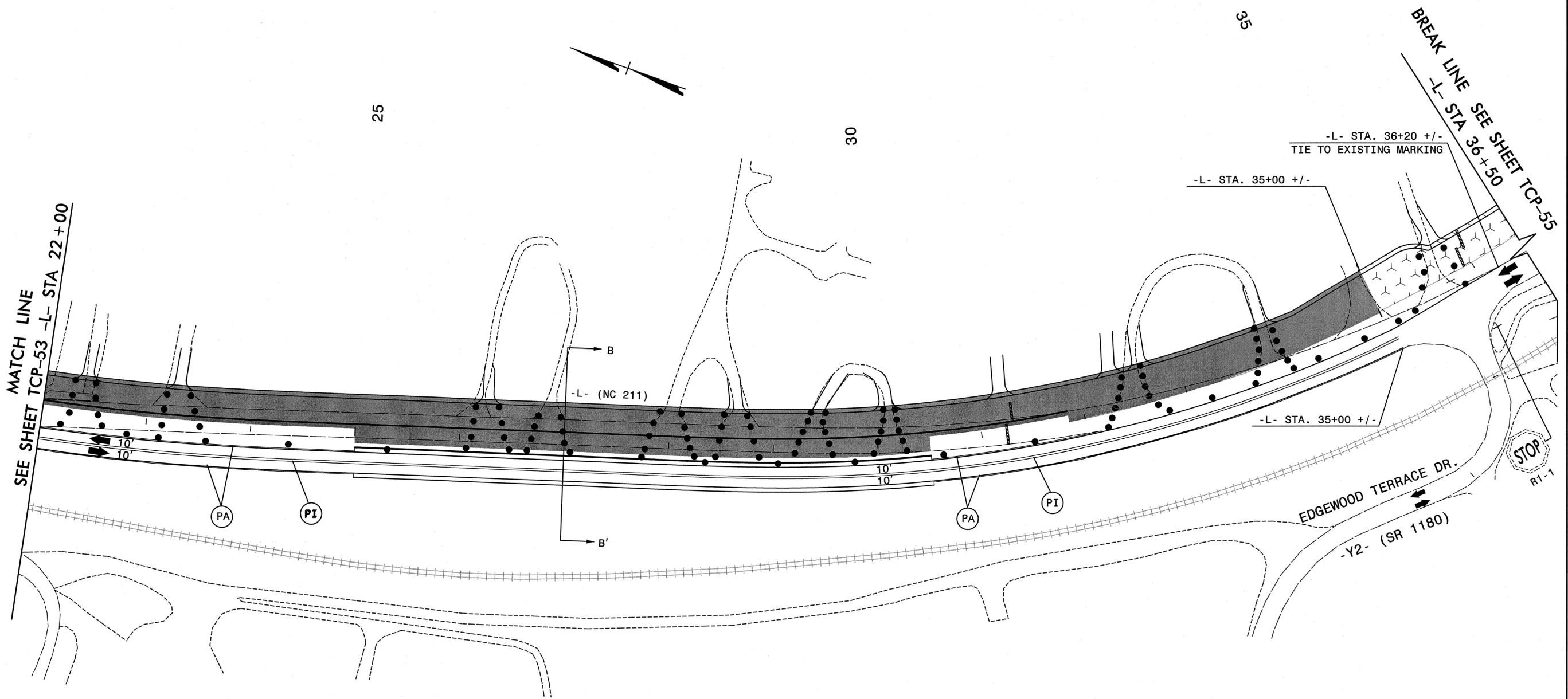
APPROVED: *[Signature]* DATE: 6/15/11

SEAL
 NORTH CAROLINA PROFESSIONAL ENGINEER
 SEAL 023521
 FLOYDA B. EARLY

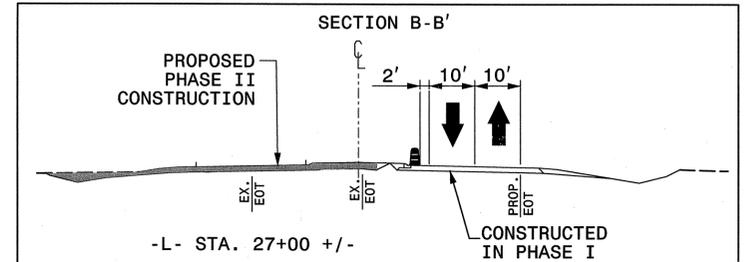


DETAIL 1
 PHASE II TRAFFIC PATTERN

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



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



APPROVED: *Rhonda B. Early* DATE: 6/15/11

SEAL
 NORTH CAROLINA PROFESSIONAL ENGINEER
 SEAL 023521
 RHONDA B. EARLY

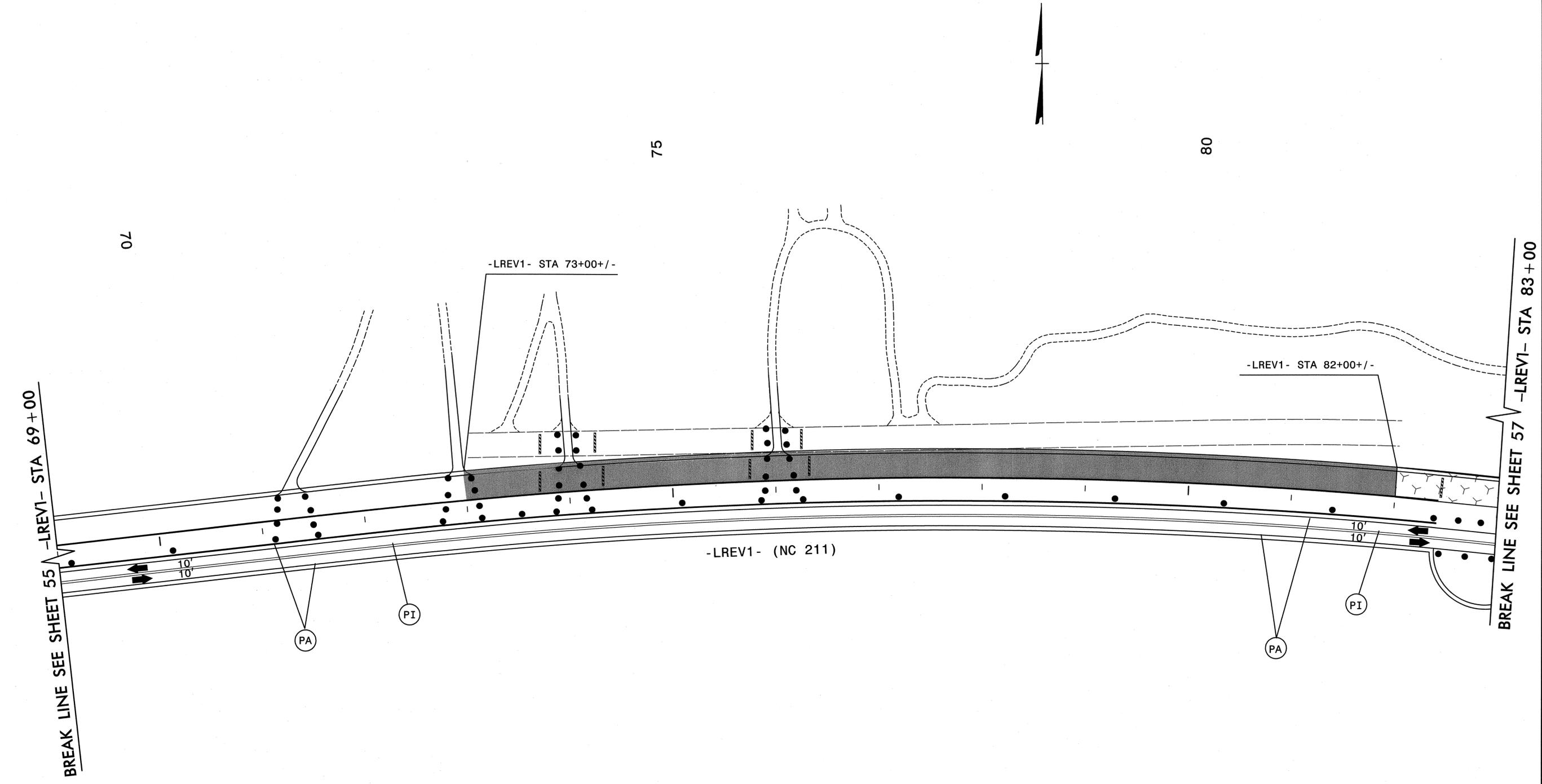


DETAIL 2
PHASE II TRAFFIC PATTERN



HNTB NORTH CAROLINA, P.C.
 343 E. Six Forks Road, Suite 200
 Raleigh, North Carolina 27609
 C-1554

| | |
|---------------------|-----------|
| PROJ. REFERENCE NO. | SHEET NO. |
| R-2812 | TMP-56 |



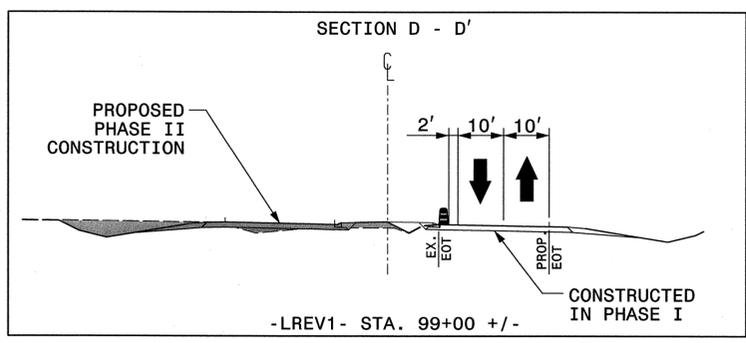
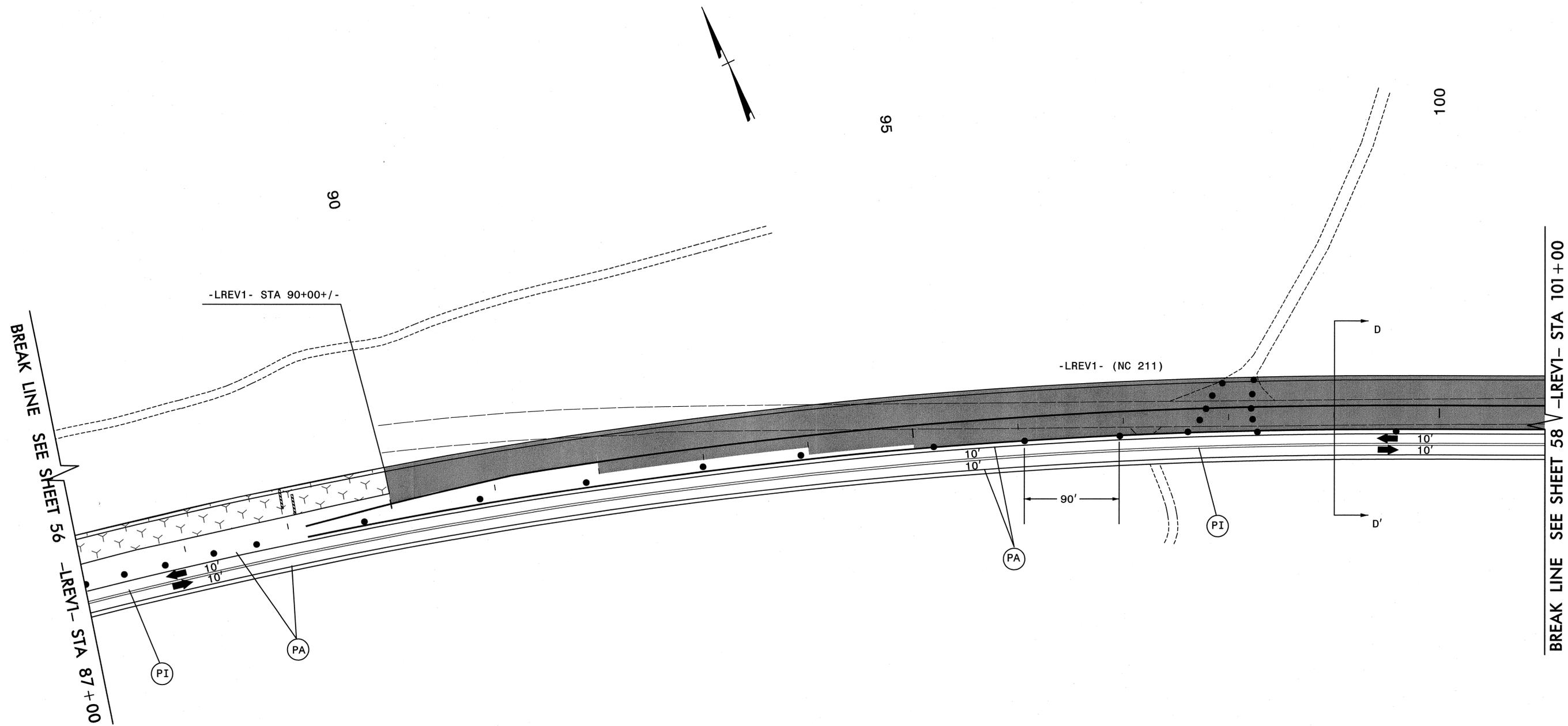
*****SYTIME*****
 *****EDGN*****
 *****USERNAME*****

APPROVED: *[Signature]* DATE: *6/15/11*

SEAL



DETAIL 4
 PHASE II TRAFFIC PATTERN

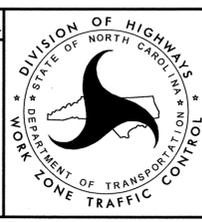


\$\$\$SYTIME\$\$\$
 \$\$\$EDGN\$\$\$
 \$\$\$USERNAME\$\$\$

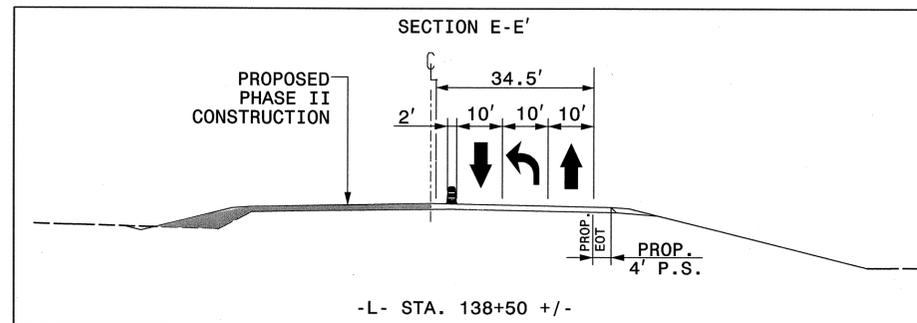
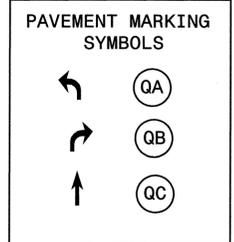
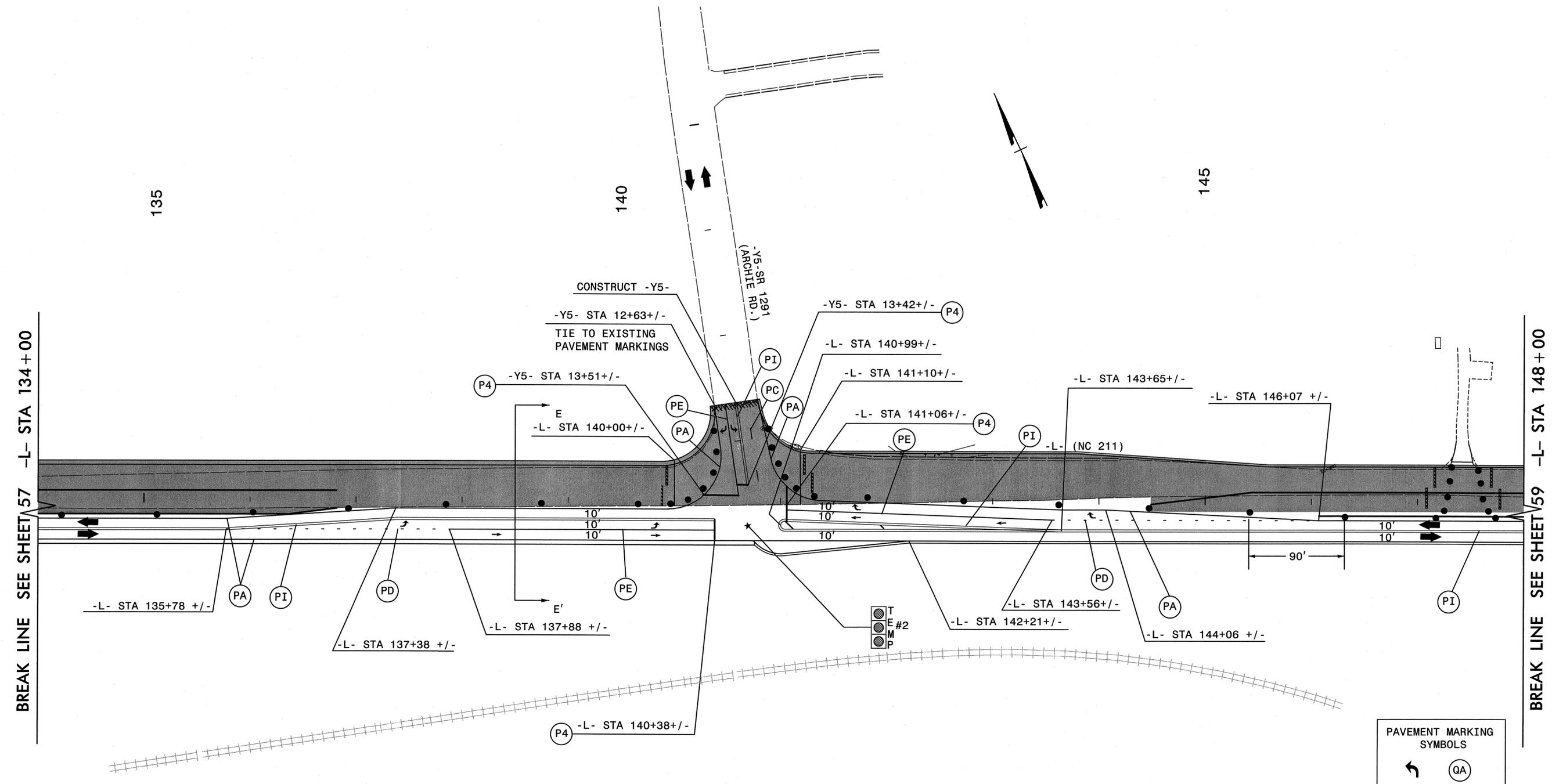
APPROVED: *Shanda S. Early* DATE: 6/15/11

SEAL

NORTH CAROLINA PROFESSIONAL ENGINEER
 SEAL 023521
 FLOYDA B. EARLY

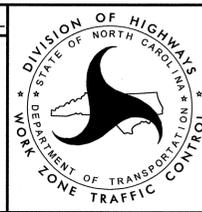


DETAIL 5
PHASE II TRAFFIC PATTERN



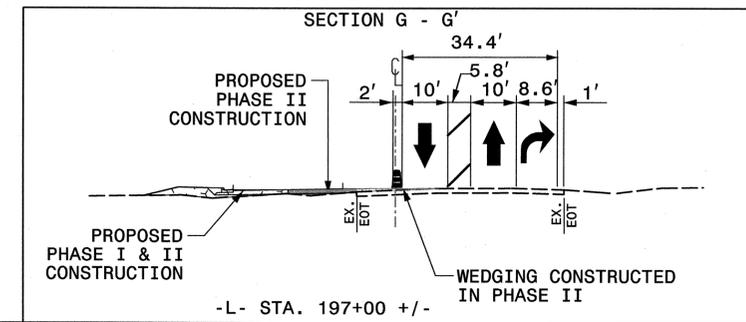
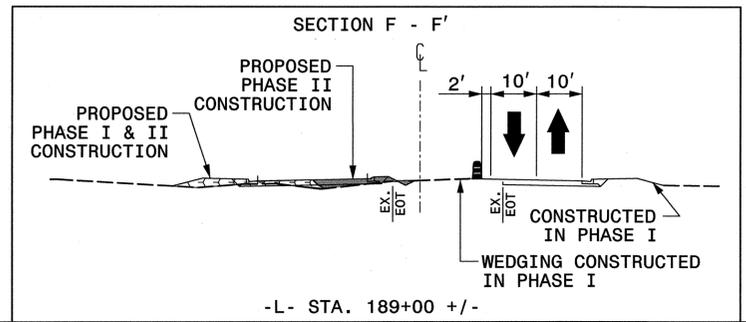
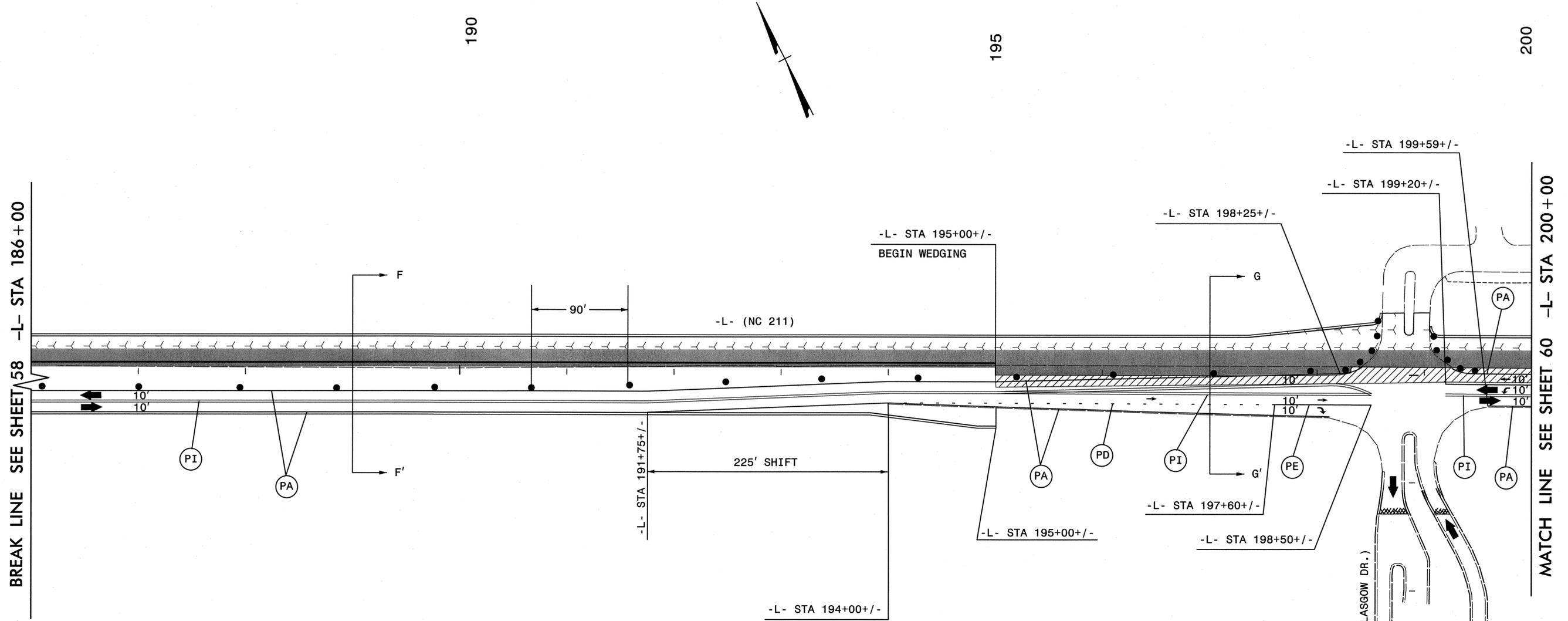
APPROVED: *Shanda S. Coif* DATE: 10/20/11

SEAL: NORTH CAROLINA PROFESSIONAL ENGINEER PHOENIX B. EARLY



DETAIL 6
 PHASE II TRAFFIC PATTERN

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



PAVEMENT MARKING SYMBOLS

| | |
|--|----|
| | QA |
| | QB |
| | QC |

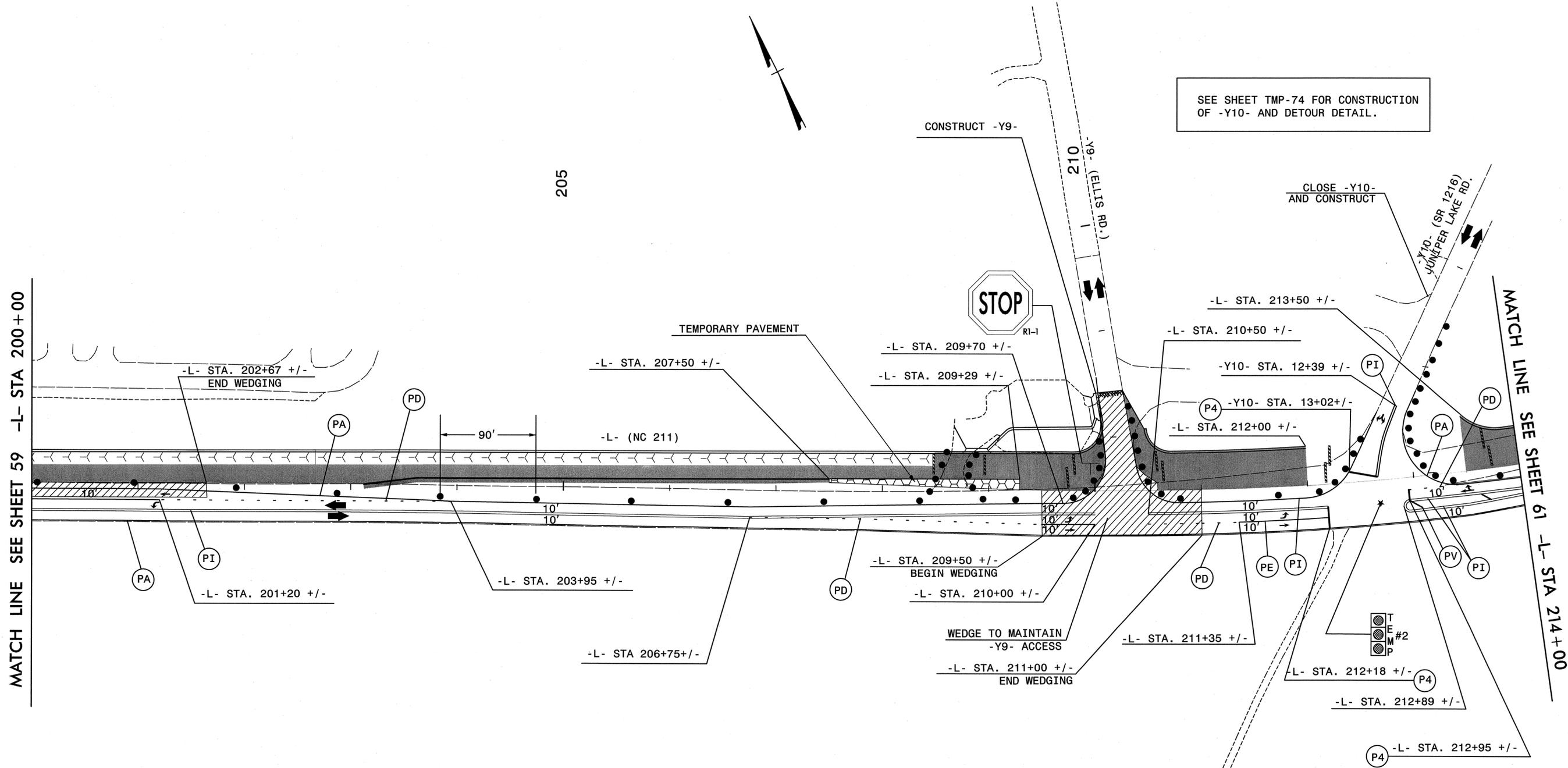
APPROVED: *[Signature]* DATE: 6/15/11

SEAL



DETAIL 7
PHASE II TRAFFIC PATTERN

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



SEE SHEET TMP-74 FOR CONSTRUCTION OF -Y10- AND DETOUR DETAIL.

MATCH LINE SEE SHEET 59 -L- STA 200+00

MATCH LINE SEE SHEET 61 -L- STA 214+00

PAVEMENT MARKING SYMBOLS

| | |
|--|----|
| | QA |
| | QC |
| | QE |
| | QF |

APPROVED: *[Signature]* DATE: 6/15/11

SEAL

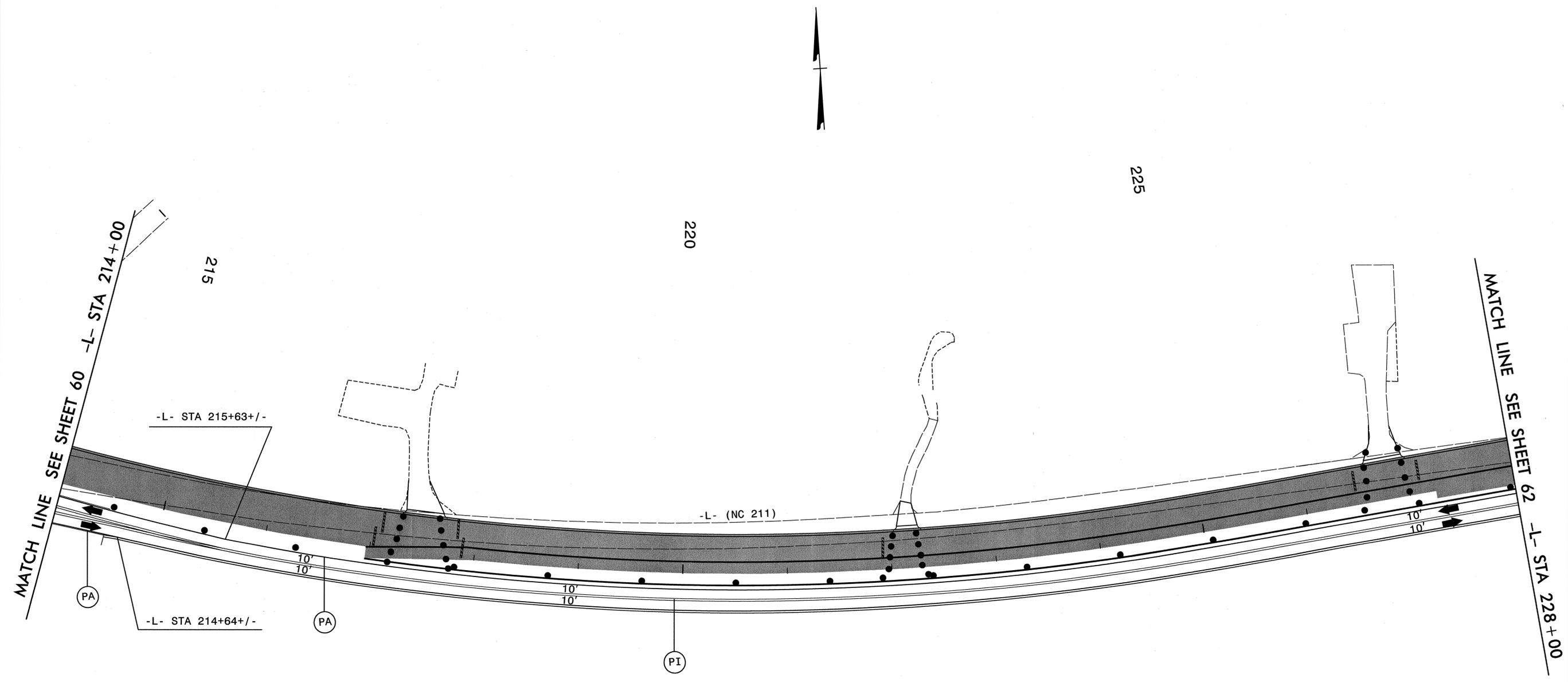
DETAIL 8
PHASE II TRAFFIC PATTERN

*****SYTIME*****
*****EDGN*****
*****USERNAME*****



HNTB NORTH CAROLINA, P.C.
 343 E. Six Forks Road, Suite 200
 Raleigh, North Carolina 27609
 C-1554

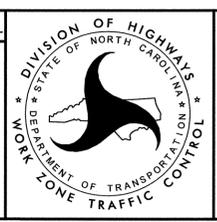
| | |
|---------------------|-----------|
| PROJ. REFERENCE NO. | SHEET NO. |
| R-2812 | TMP-61 |



SYSTEMTIME: 6/15/11 10:00 AM
 USER: J. EARLY

APPROVED: *[Signature]* DATE: 6/15/11

SEAL

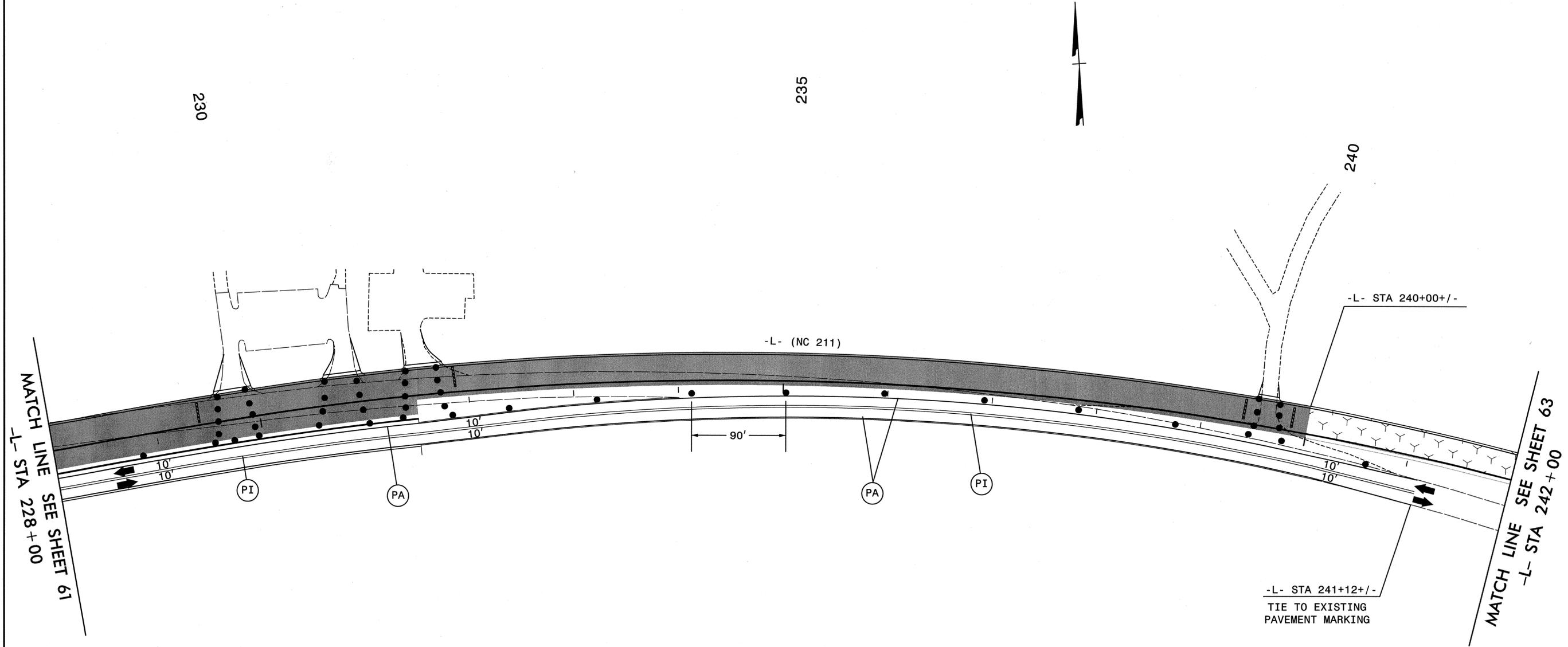


DETAIL 9
 PHASE II TRAFFIC PATTERN



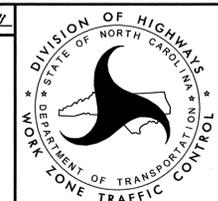
HNTB NORTH CAROLINA, P.C.
 349 E. Six Forks Road, Suite 200
 Raleigh, North Carolina 27609
 C-1554

| | |
|---------------------|-----------|
| PROJ. REFERENCE NO. | SHEET NO. |
| R-2812 | TMP-62 |



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

APPROVED: *[Signature]* DATE: 6/15/11

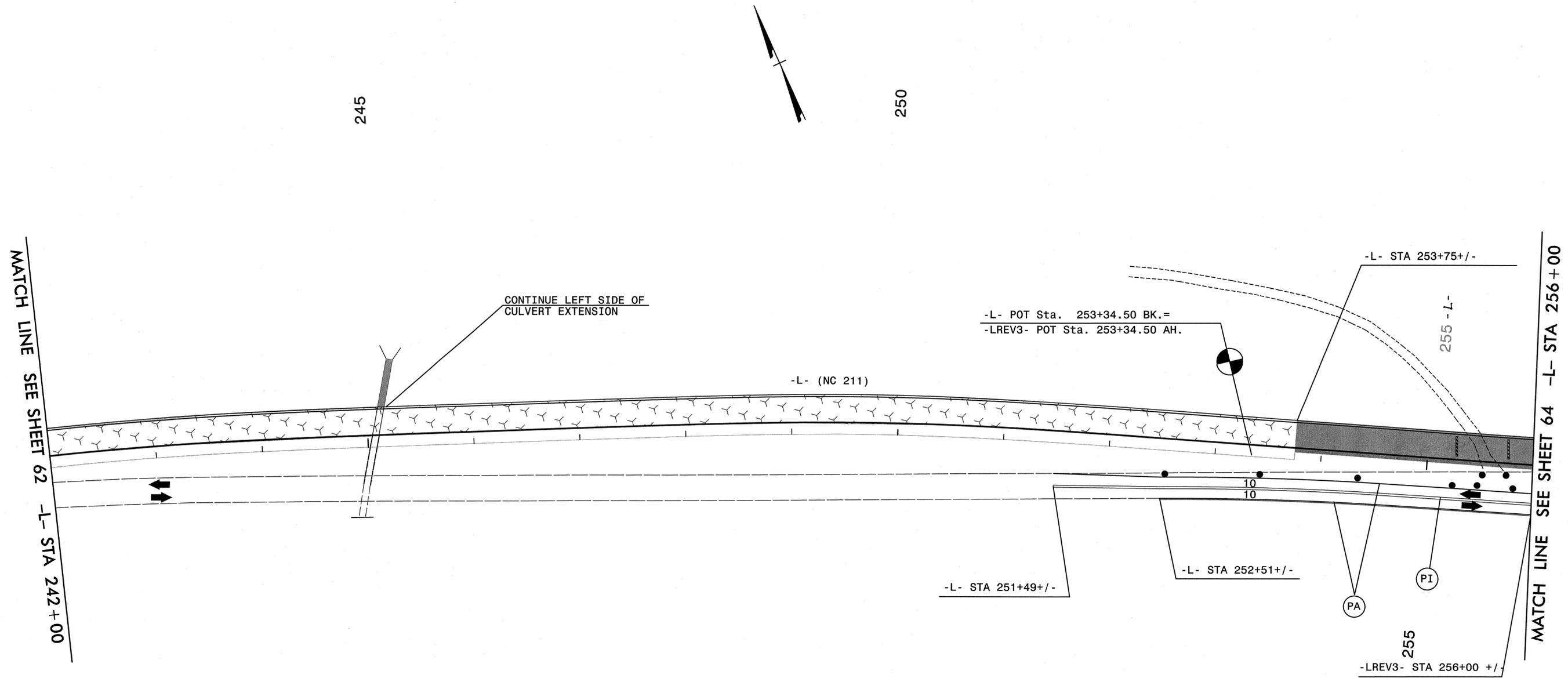


DETAIL 10
 PHASE II TRAFFIC PATTERN



HNTB NORTH CAROLINA, P.C.
 343 E. Six Forks Road, Suite 200
 Raleigh, North Carolina 27609
 C-1554

| | |
|---------------------|-----------|
| PROJ. REFERENCE NO. | SHEET NO. |
| R-2812 | TMP-63 |



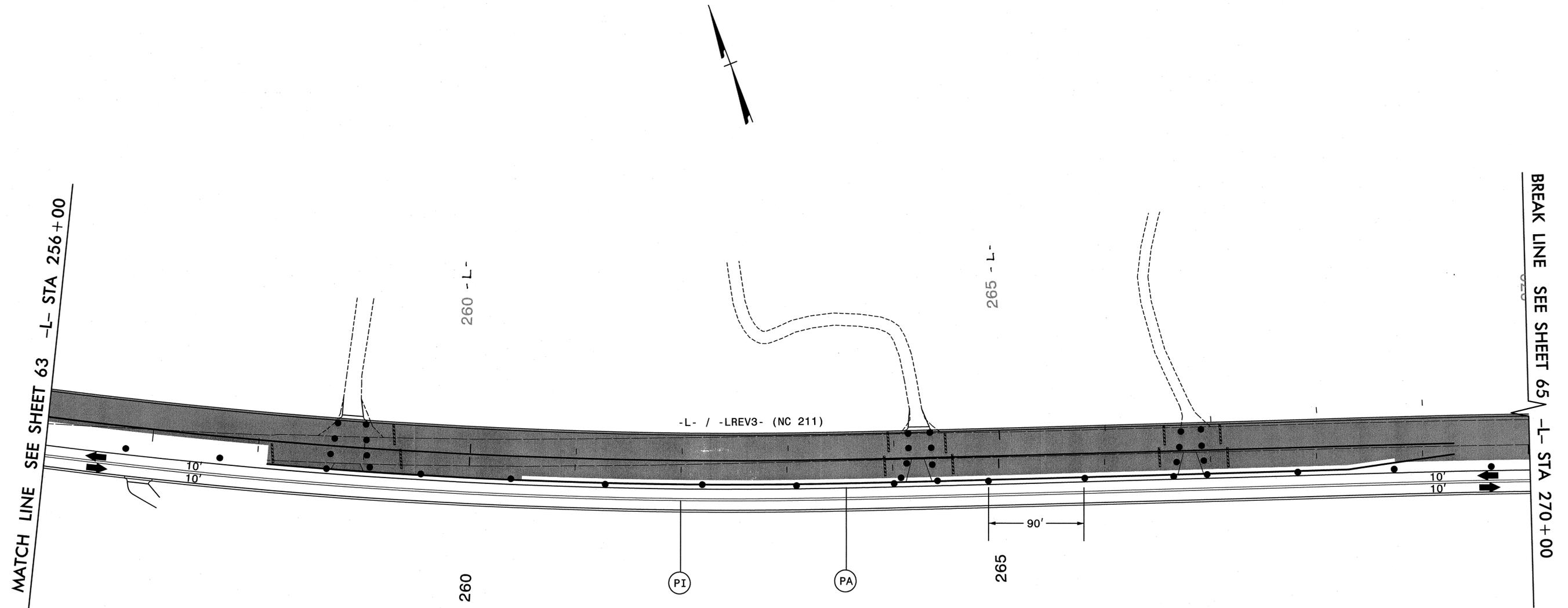
\$\$\$\$\$SYTIME\$\$\$\$\$
 \$\$\$SDON\$\$\$\$\$
 \$\$\$USERNAME\$\$\$\$\$

| | | |
|---|---|---------------------------------------|
| APPROVED: <i>Rhonda B. Early</i> DATE: 6/15/11  |  | DETAIL 11 PHASE II TRAFFIC PATTERN |
|---|---|---------------------------------------|



HNTB NORTH CAROLINA, P.C.
 343 E. Six Forks Road, Suite 200
 Raleigh, North Carolina 27609
 C-1554

| | |
|---------------------|-----------|
| PROJ. REFERENCE NO. | SHEET NO. |
| R-2812 | TMP-64 |



 SYSTEMS
 #####
 DGN
 #####
 USERNAME

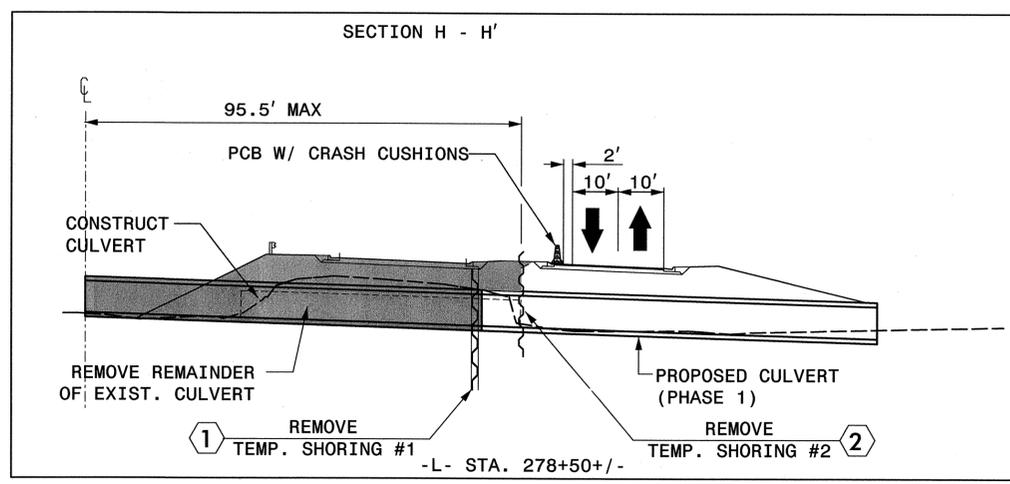
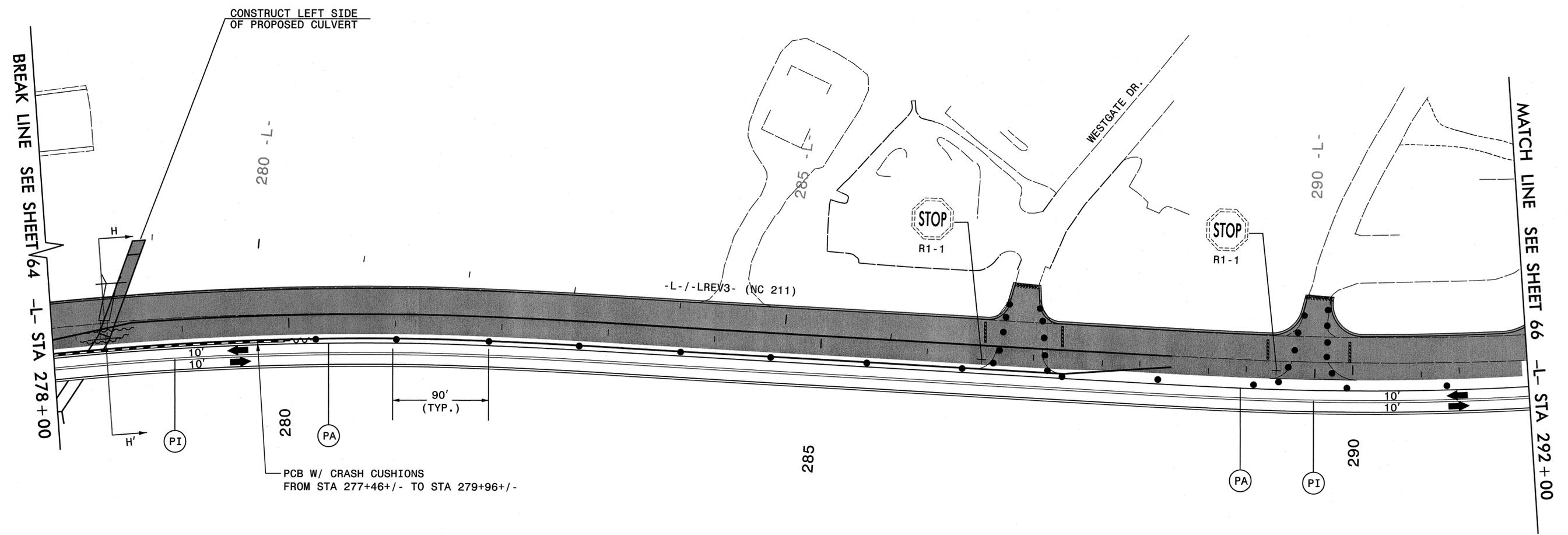
APPROVED: *Shonda S. Coyle* DATE: *6/15/11*

SEAL

NORTH CAROLINA
 PROFESSIONAL
 SEAL
 023521
 ENGINEER
 Rhonda B. Early



DETAIL 12
 PHASE II TRAFFIC PATTERN



APPROVED: *[Signature]* DATE: 4/15/11

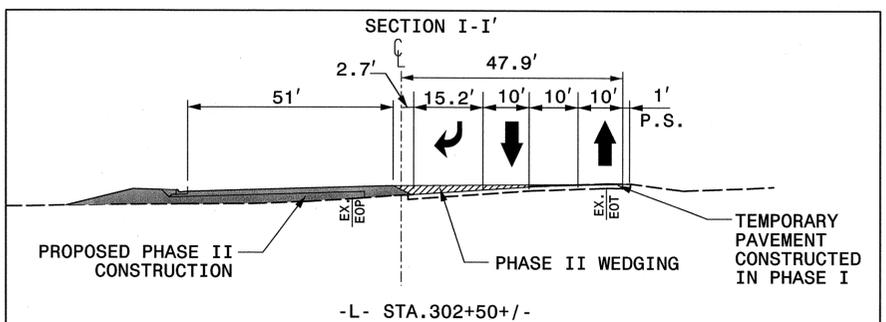
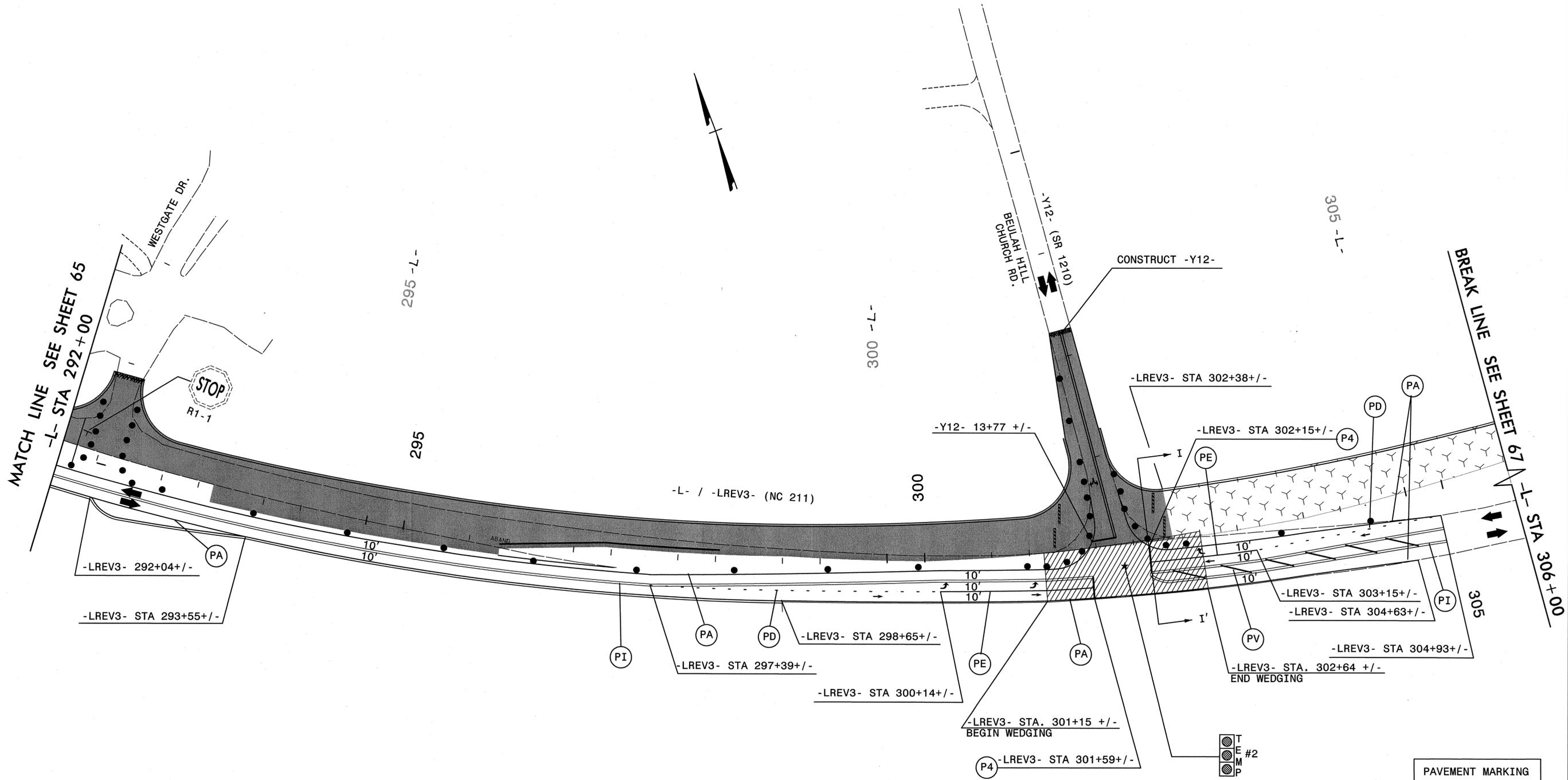
SEAL

NORTH CAROLINA PROFESSIONAL ENGINEER RYONDA B. EARLY 023521



DETAIL 13
 PHASE II TRAFFIC PATTERN

 SYSTEMTIME: 4/15/11 10:00:00 AM
 D:\PROJECTS\2812\DRAWINGS\DETAILS\TMP-65.DWG
 USERNAME: jhughes

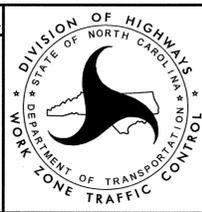


PAVEMENT MARKING SYMBOLS

| | |
|--|----|
| | QA |
| | QC |
| | QB |

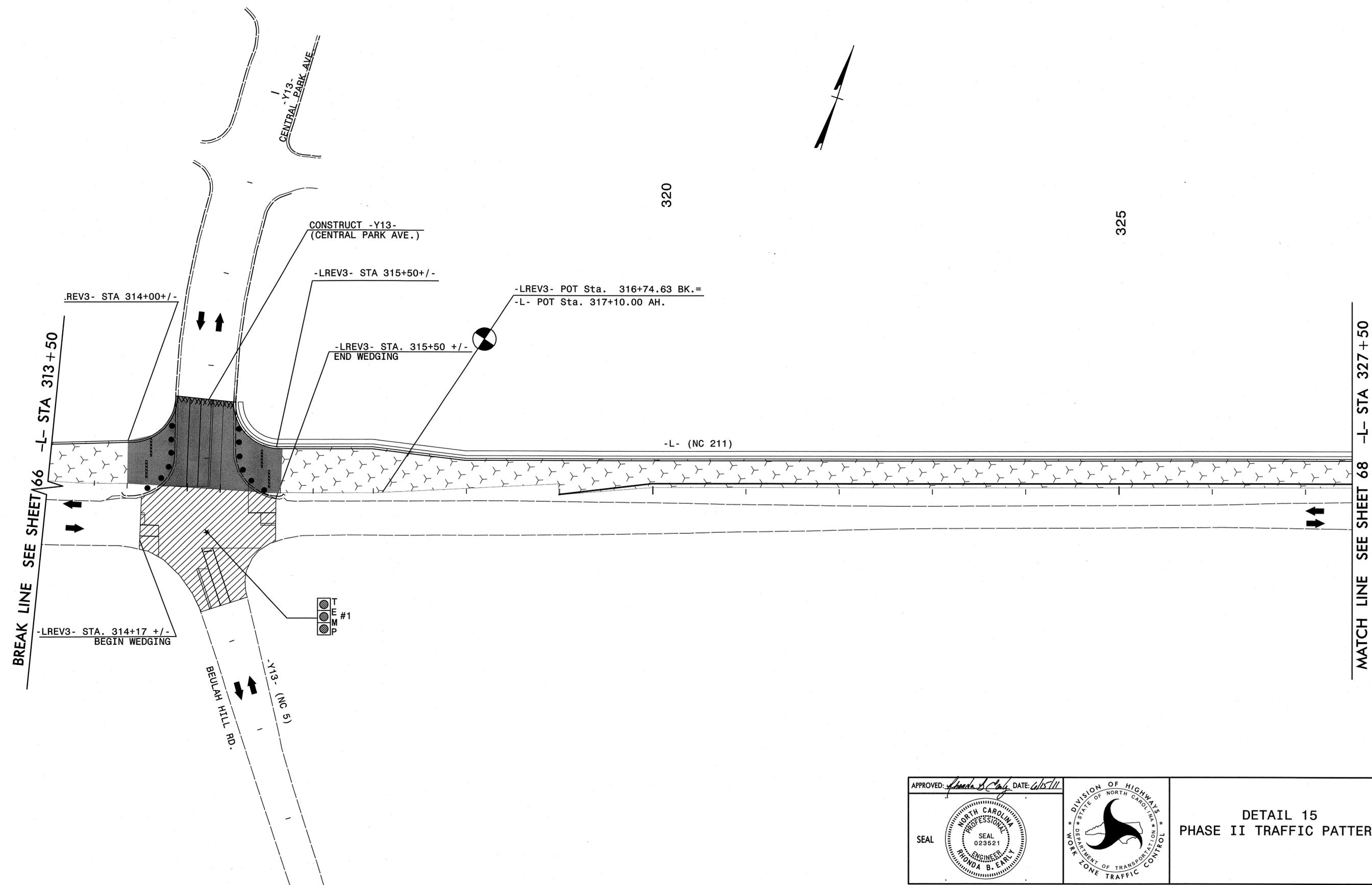
APPROVED: *[Signature]* DATE: _____

SEAL



DETAIL 14
 PHASE II TRAFFIC PATTERN

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



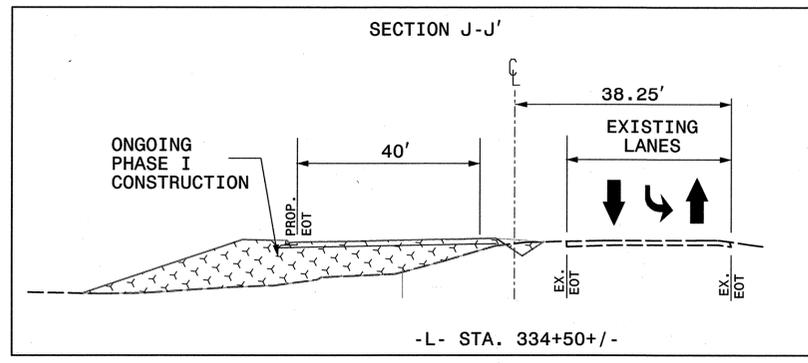
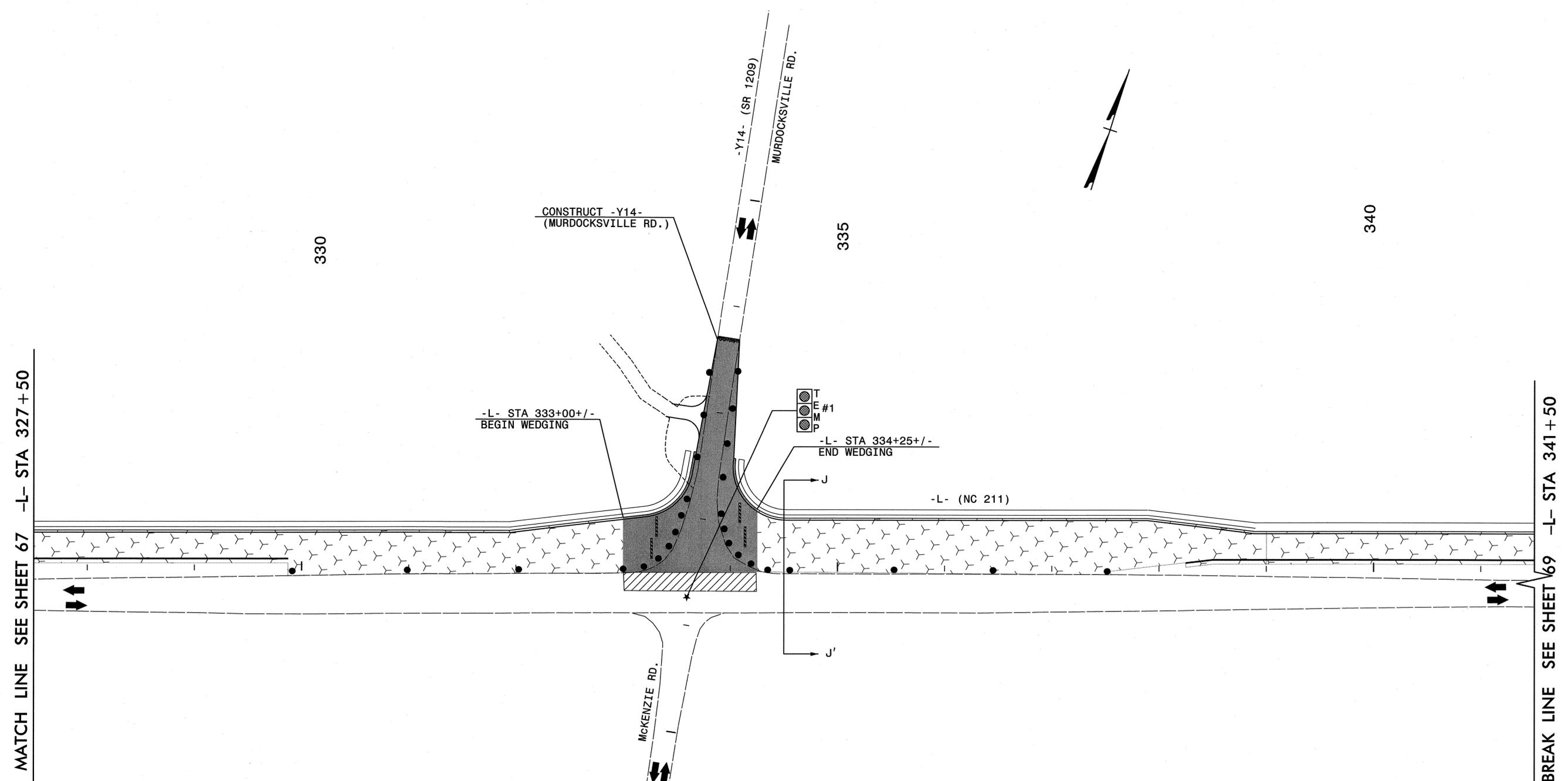
\$\$\$\$\$SYTIME\$\$\$\$\$
\$\$\$\$\$DGN\$\$\$\$\$
\$\$\$\$\$USERNAME\$\$\$\$\$

APPROVED: *[Signature]* DATE: *6/18/11*

SEAL



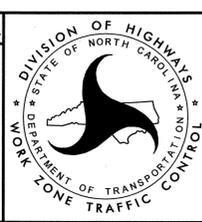
DETAIL 15
PHASE II TRAFFIC PATTERN



APPROVED: *[Signature]* DATE: 6/15/11

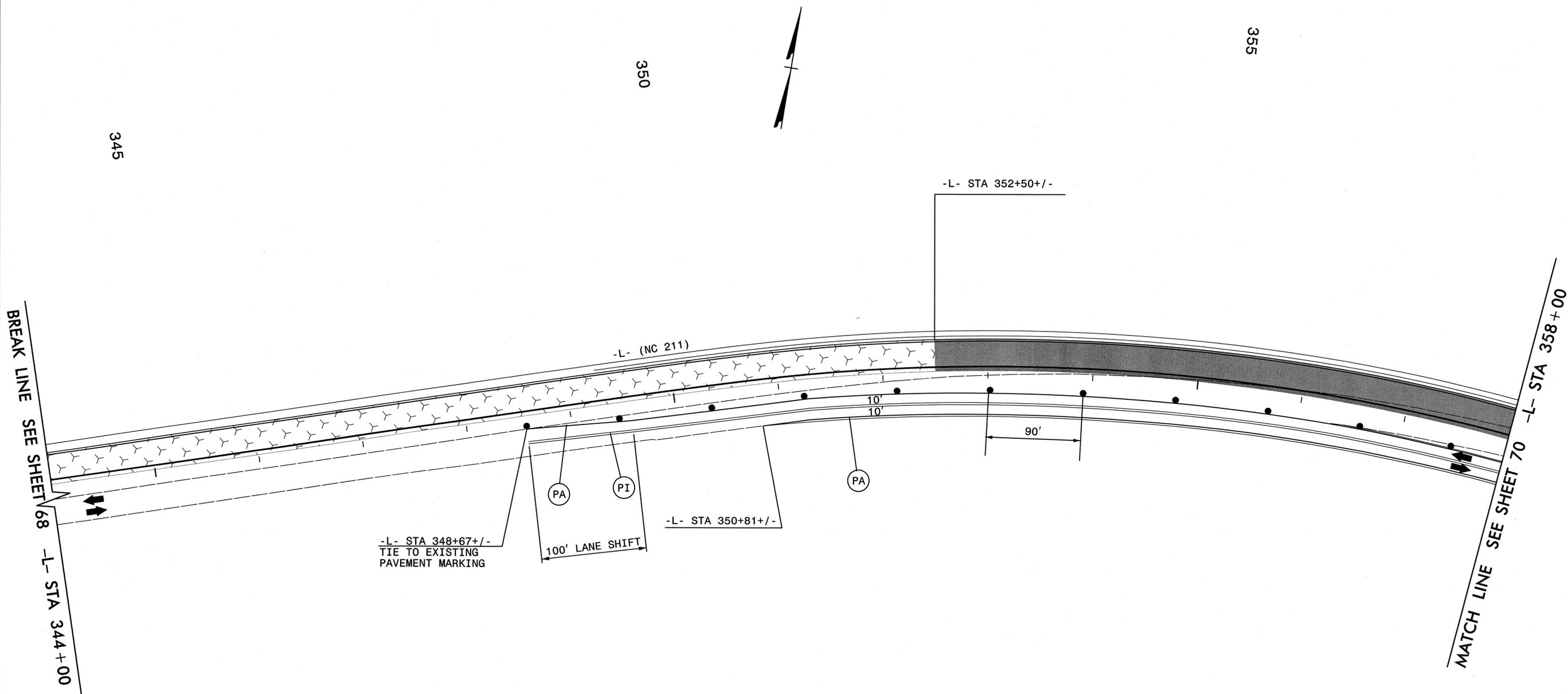
SEAL

NORTH CAROLINA PROFESSIONAL ENGINEER SEAL 023521 RYONDA B. EARLY



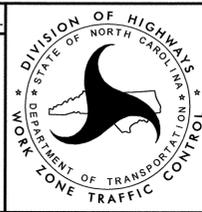
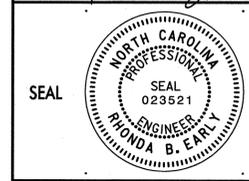
DETAIL 16
 PHASE II TRAFFIC PATTERN

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

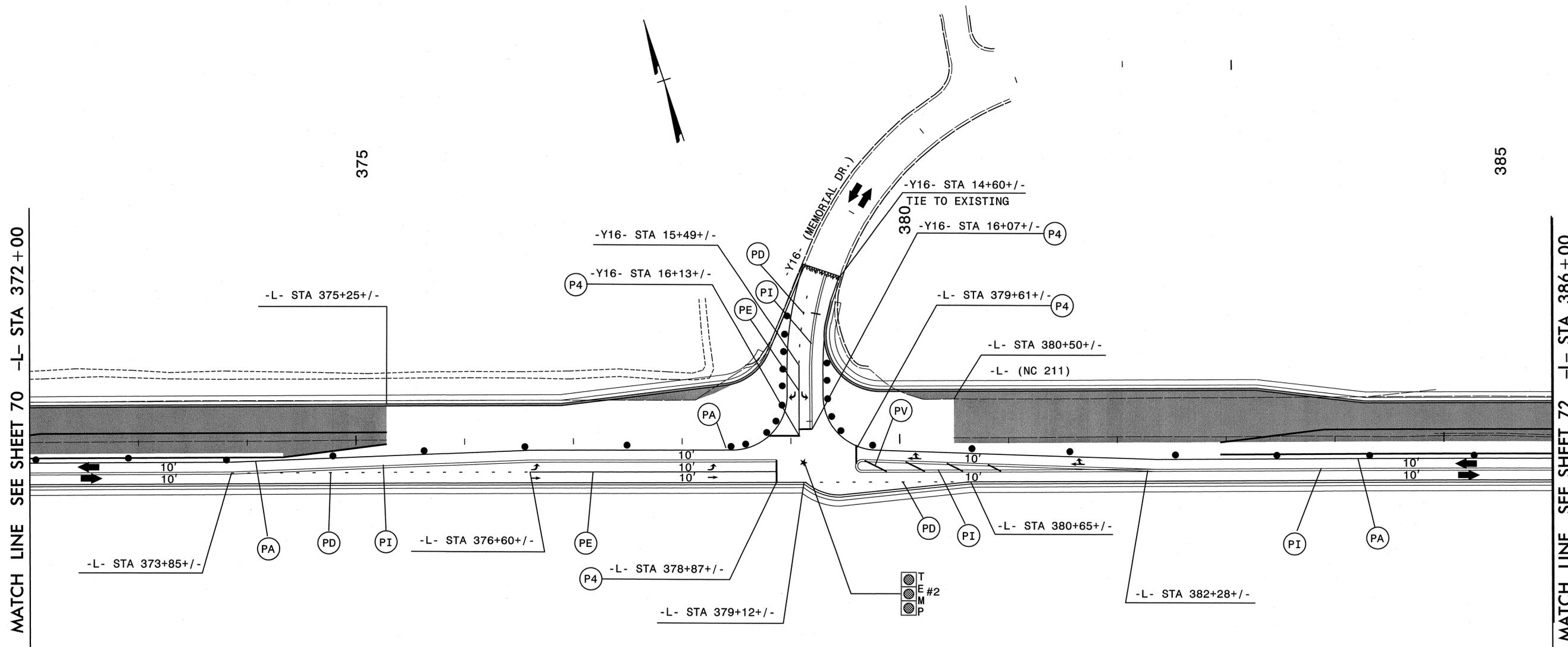


SYSTEMTIME: 04/15/11 10:00:00 AM
 USER: JONAS
 USERNAME: JONAS

APPROVED: *[Signature]* DATE: 4/15/11



DETAIL 17
 PHASE II TRAFFIC PATTERN



MATCH LINE SEE SHEET 70 -L- STA 372+00

MATCH LINE SEE SHEET 72 -L- STA 386+00

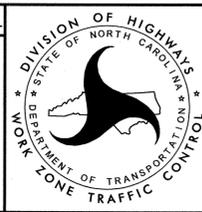
| PAVEMENT MARKING SYMBOLS | |
|--------------------------|----|
| | QA |
| | QC |
| | QE |
| | QB |

T
E #2
M
P

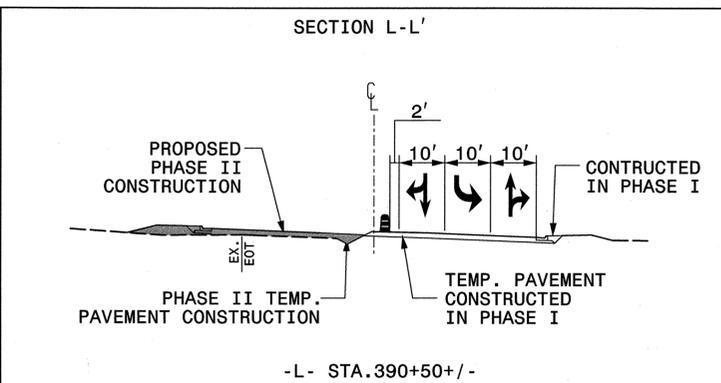
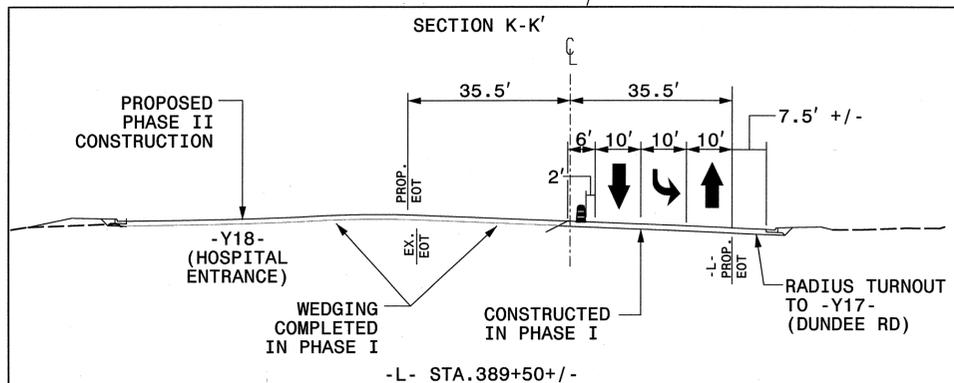
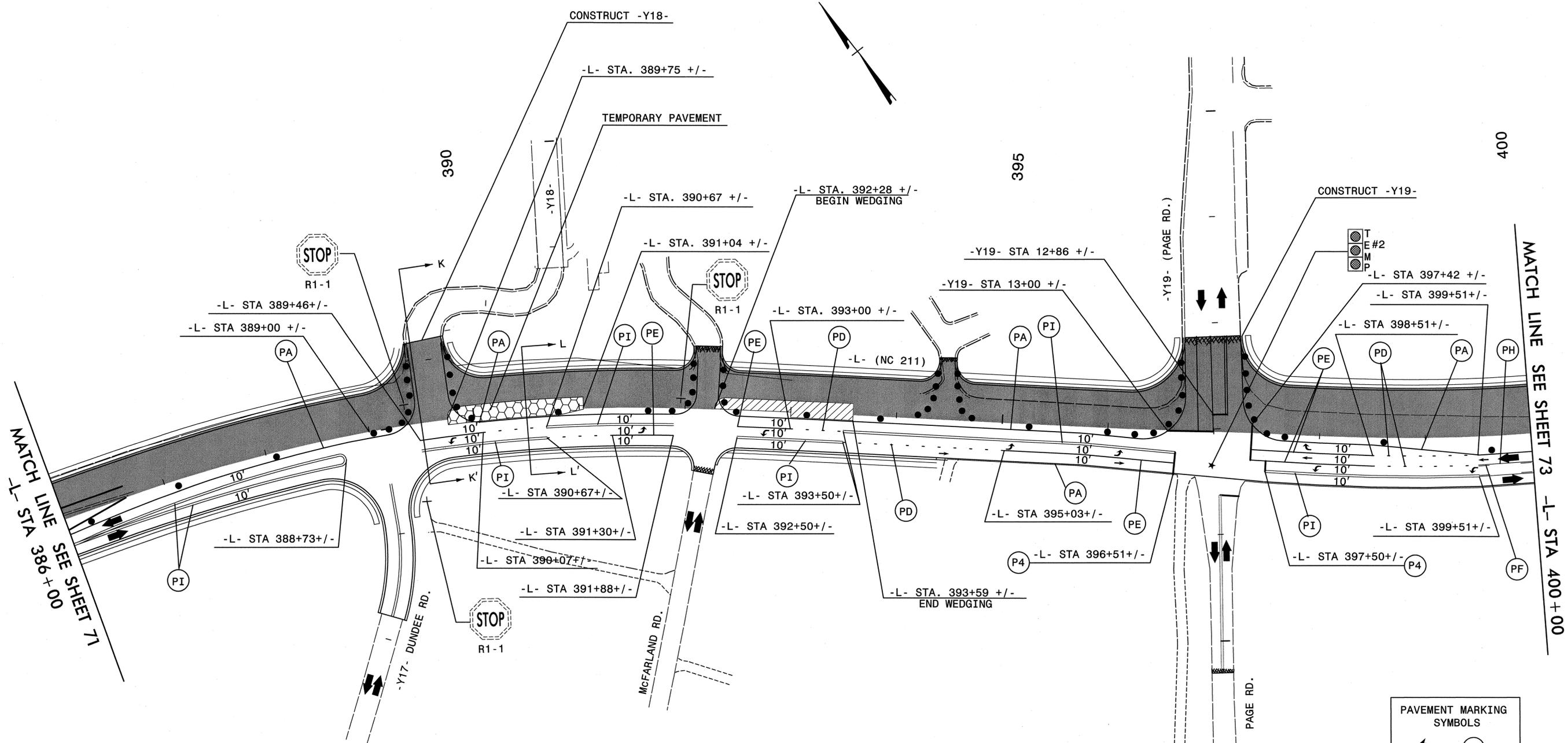
\$\$\$\$\$SYTIME\$\$\$\$\$
 \$\$\$SDON\$\$\$\$\$
 \$\$\$USERNAME\$\$\$\$\$

APPROVED: *[Signature]* DATE: 6/30/11

SEAL



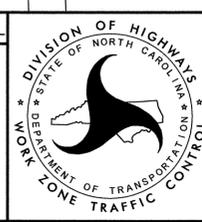
DETAIL 19
 PHASE II TRAFFIC PATTERN



| PAVEMENT MARKING SYMBOLS | |
|--------------------------|----|
| | QA |
| | QB |
| | QC |

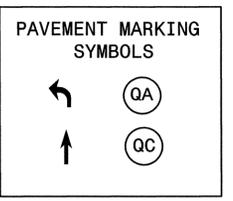
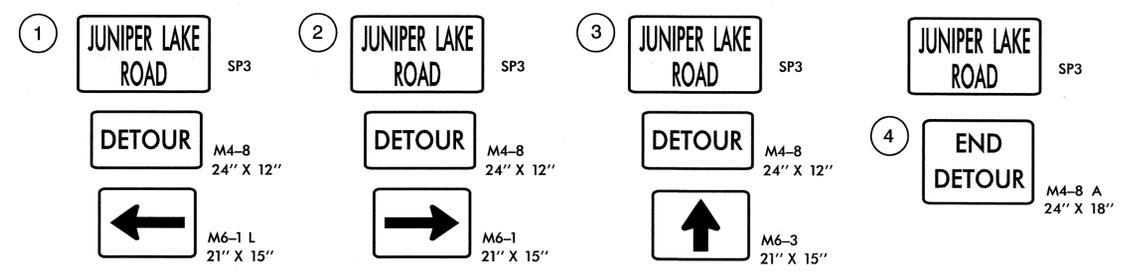
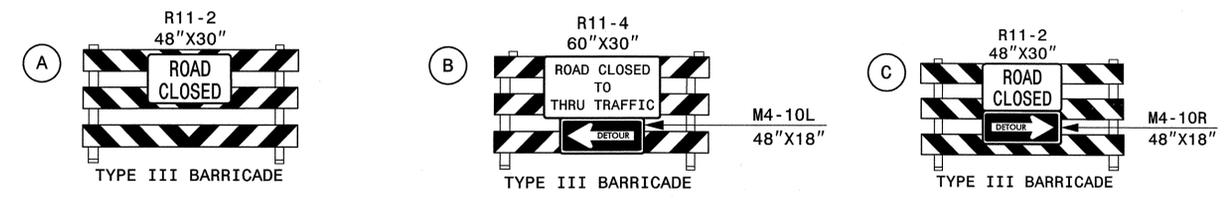
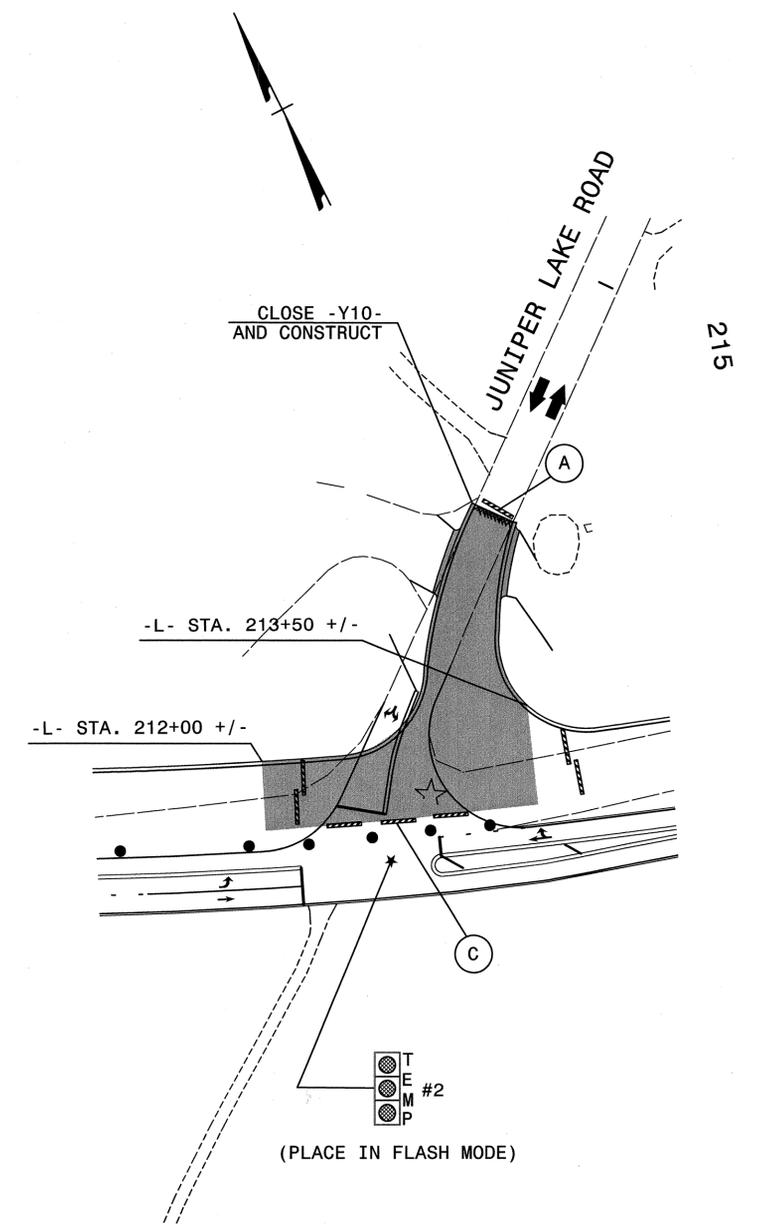
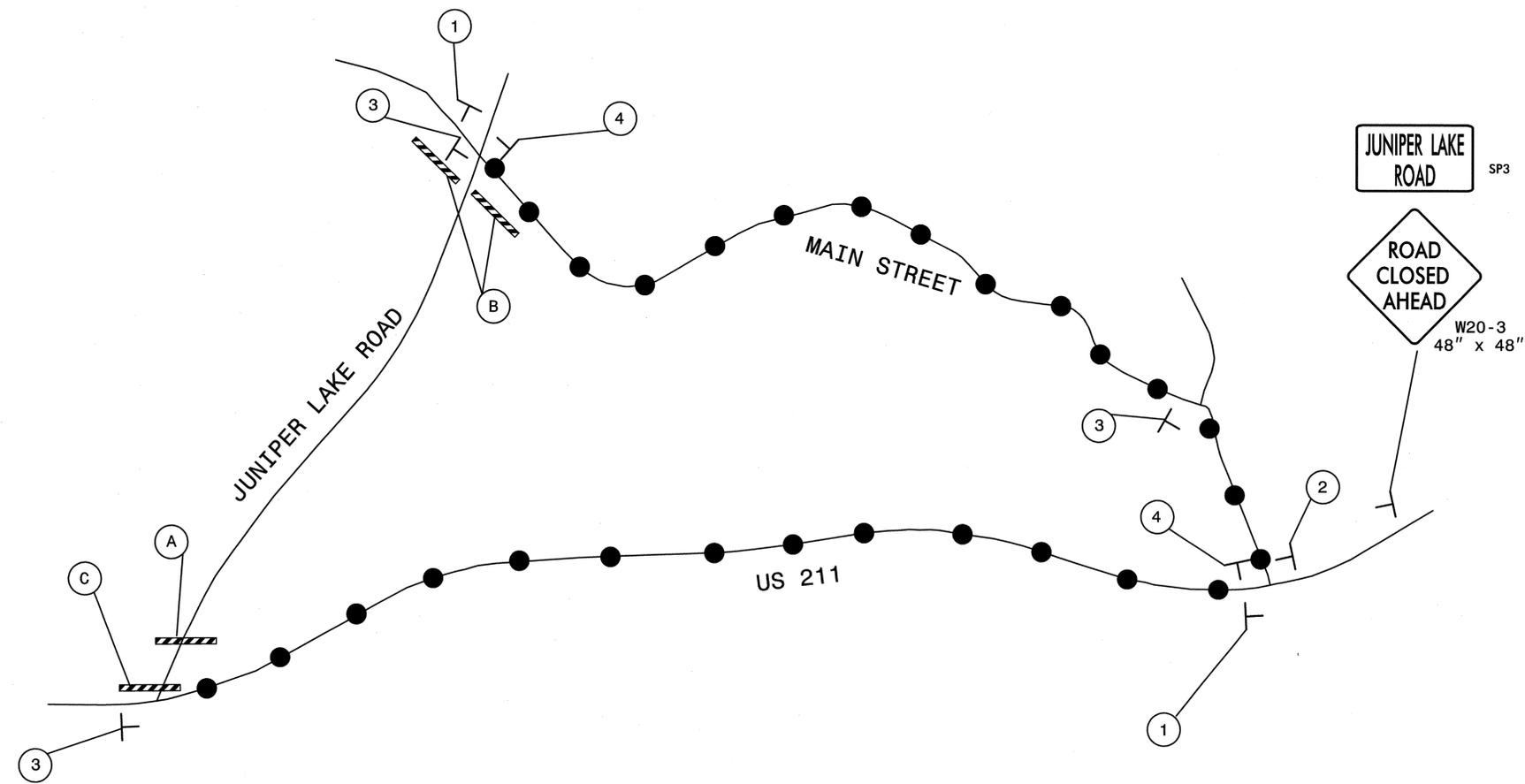
APPROVED: *[Signature]* DATE: *6/20/11*

SEAL
 NORTH CAROLINA PROFESSIONAL ENGINEER
 FLORIDA B. EARLY

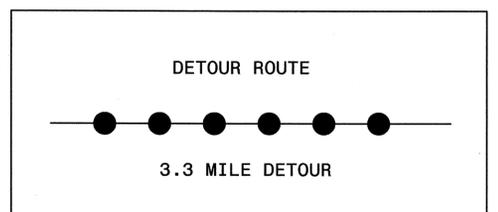


DETAIL 20
 PHASE II TRAFFIC PATTERN

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



NOTES:
 * USE RSD 1101.03, SHEET 1 OF 9, FOR ADDITIONAL SIGN PLACEMENT.
 * SEE SHEET SD-1 FOR SPECIAL SIGN DESIGNS.

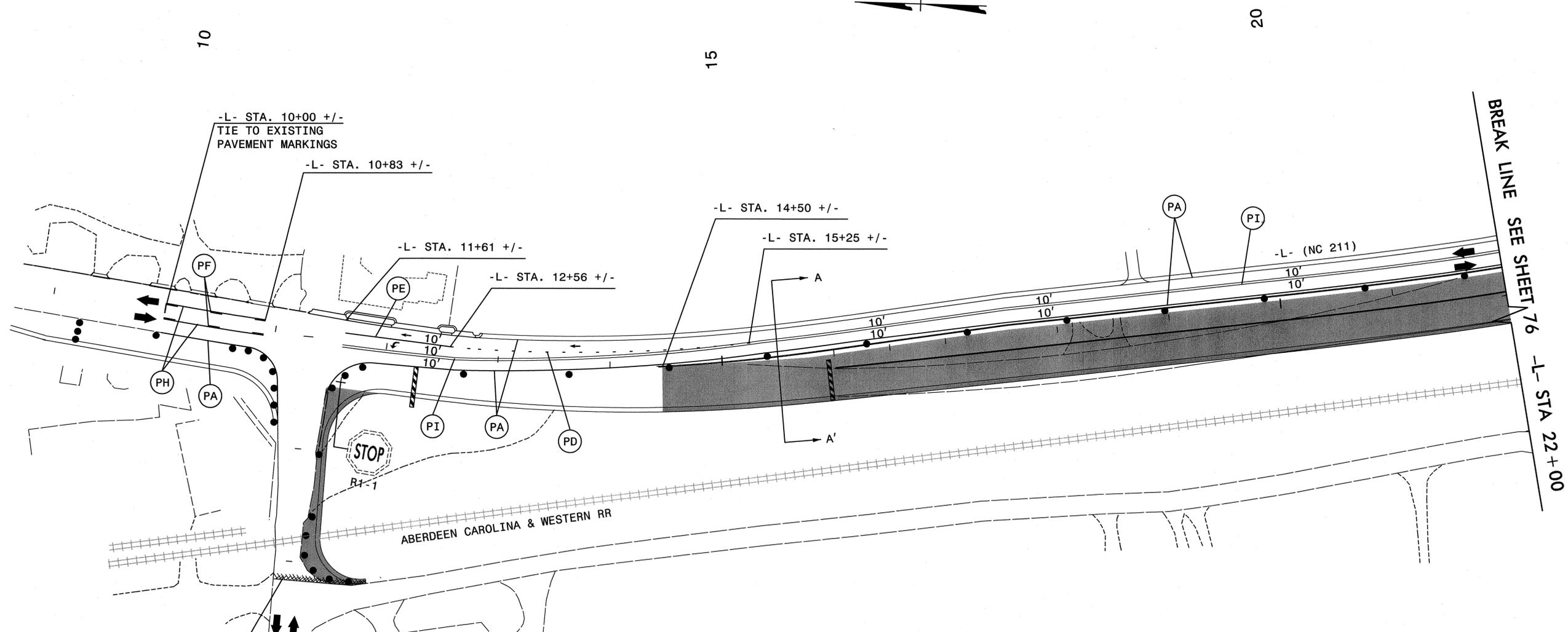


APPROVED: *[Signature]* DATE: 1/15/11
 SEAL
 NORTH CAROLINA PROFESSIONAL ENGINEER
 RONDA B. EARLY

DIVISION OF HIGHWAYS
 STATE OF NORTH CAROLINA
 DEPARTMENT OF TRANSPORTATION
 WORK ZONE TRAFFIC CONTROL

DETAIL 22
PHASE II TRAFFIC PATTERN

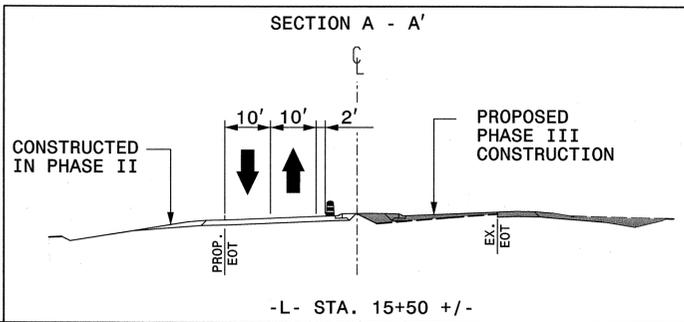
SYSTEMTIME: 1/15/11 10:00:00 AM
 DGN: RBE
 USERNAME: RBE



CONSTRUCT -Y1-

-Y1- (NC 73)

| PAVEMENT MARKING SYMBOLS | |
|--------------------------|----|
| | QA |
| | QC |

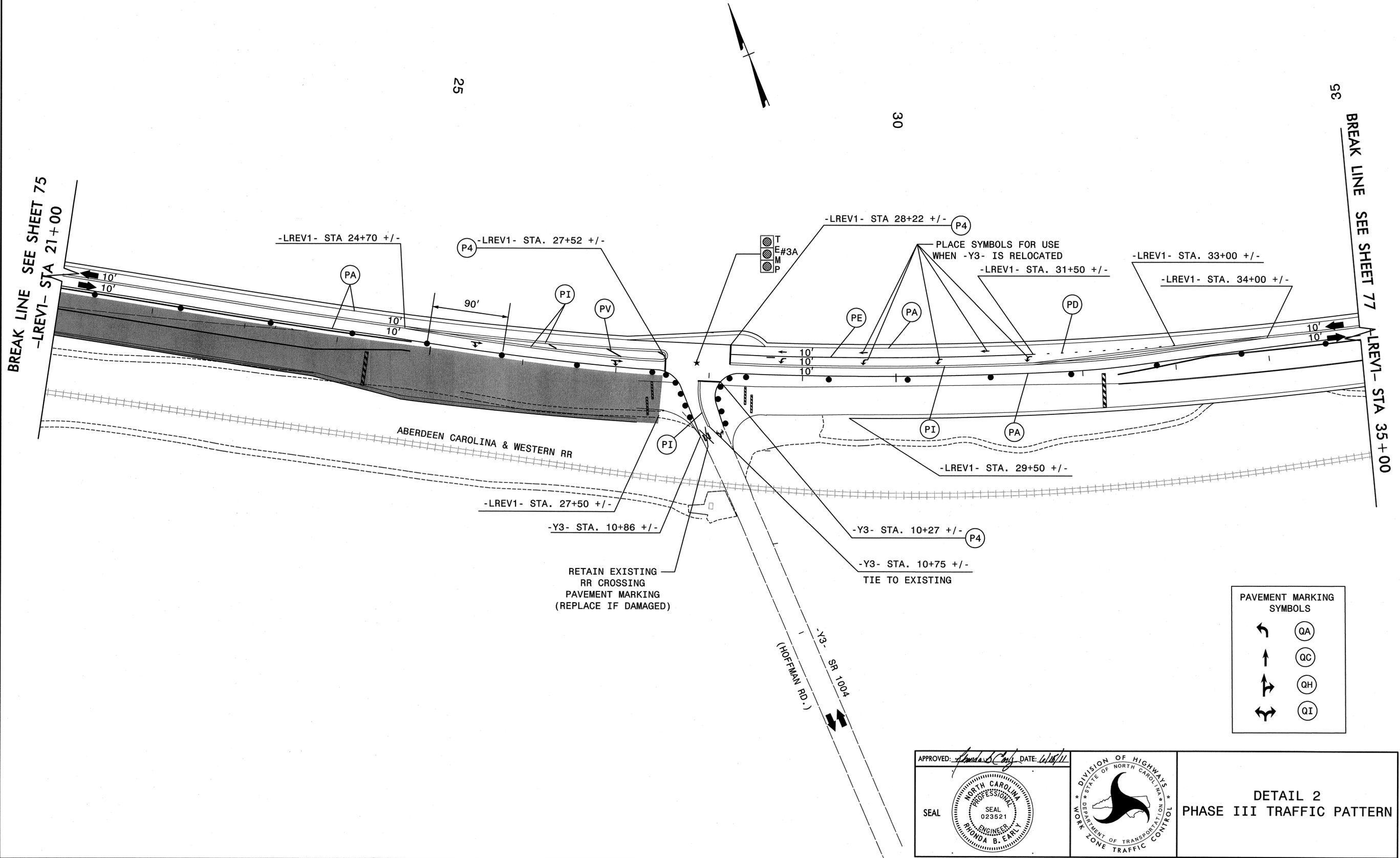


APPROVED: *[Signature]* DATE: 6/15/11
 SEAL
 NORTH CAROLINA PROFESSIONAL ENGINEER
 RYONDA B. EARLY
 023521



DETAIL 1
 PHASE III TRAFFIC PATTERN

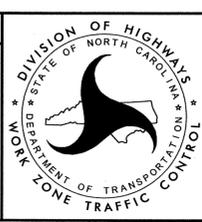
\$\$\$\$\$SYTIME\$\$\$\$\$
 \$\$\$USERNAME\$\$\$



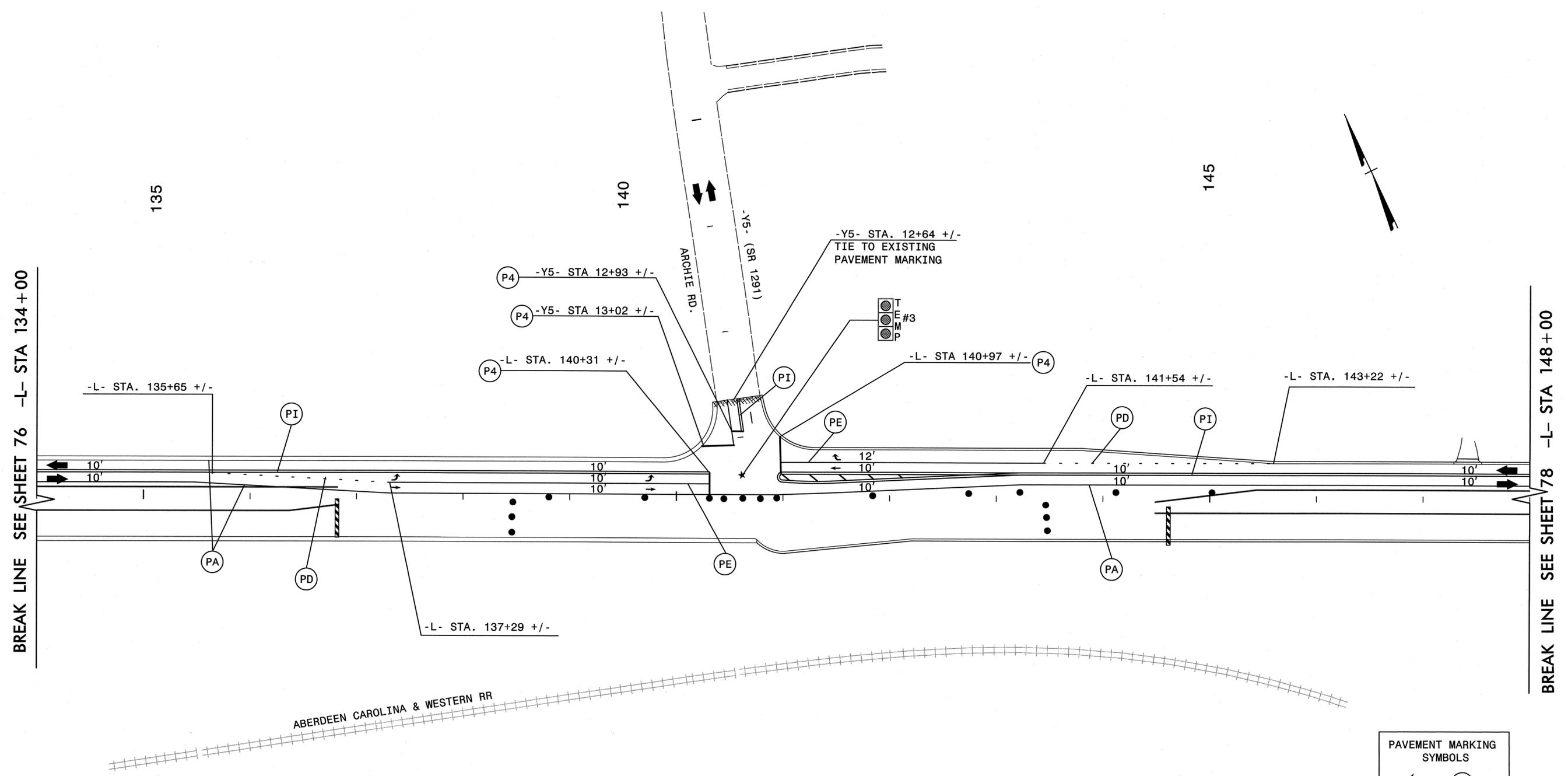
*****SYSTEM*****
 *****DGN*****
 *****USER*****

APPROVED: *[Signature]* DATE: *11/11*

SEAL
 NORTH CAROLINA PROFESSIONAL ENGINEER
 SEAL 023521
 RYONDA B. EARLY



DETAIL 2
 PHASE III TRAFFIC PATTERN



BREAK LINE SEE SHEET 76 -L- STA 134+00

BREAK LINE SEE SHEET 78 -L- STA 148+00

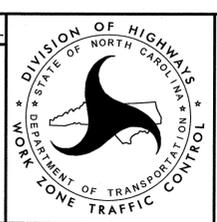
| PAVEMENT MARKING SYMBOLS | |
|--------------------------|----|
| | QA |
| | QB |
| | QC |

SYSTEMTIME: 04/30/12 10:00:00
 USER: JONAS
 USERNAME: JONAS

APPROVED: *Frank D. Early* DATE: 4/30/12

SEAL

NORTH CAROLINA PROFESSIONAL ENGINEER SEAL 023521 FRANK D. EARLY

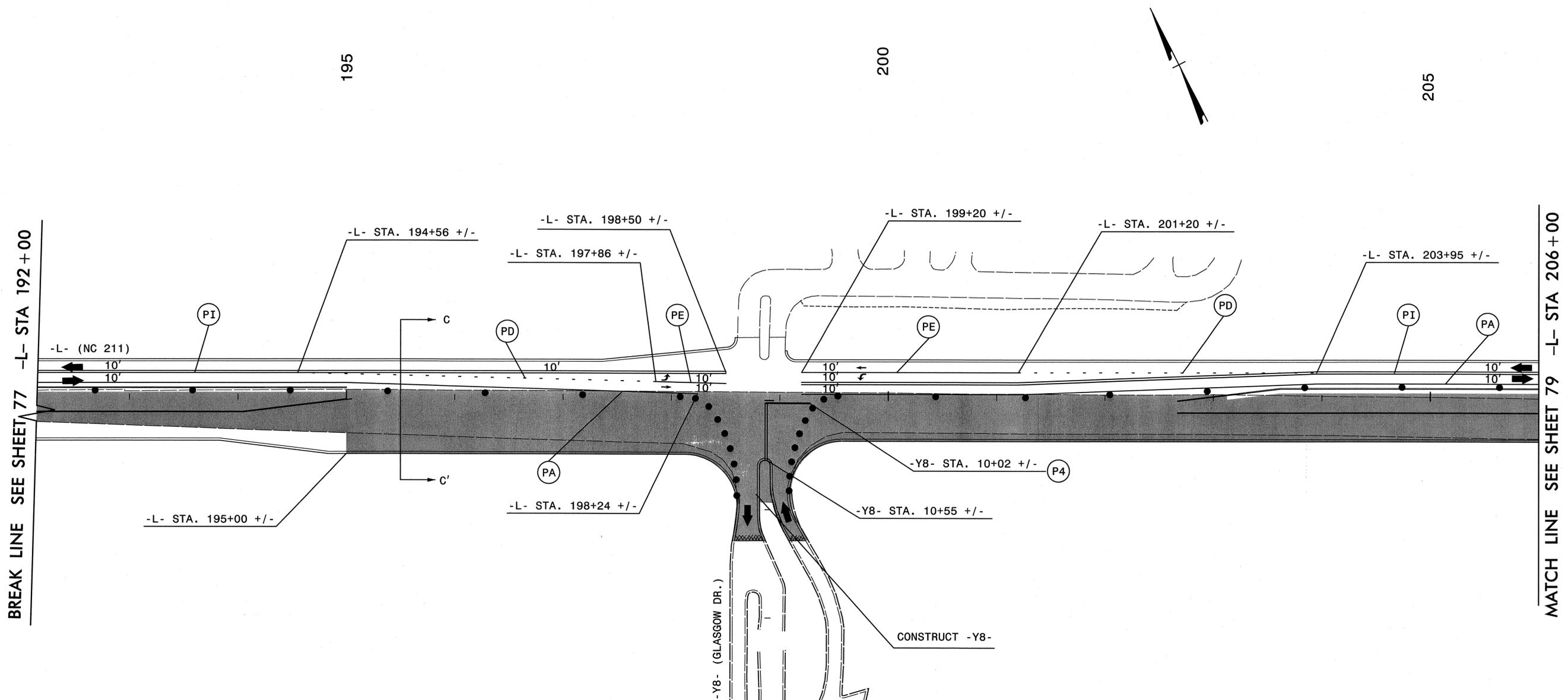


DETAIL 3
 PHASE III TRAFFIC PATTERN



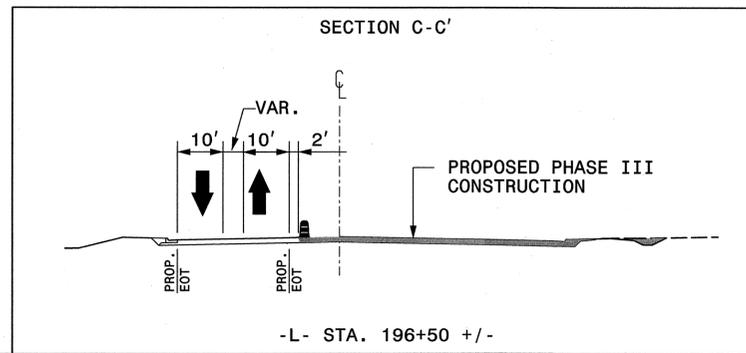
HNTB NORTH CAROLINA, P.C.
 343 E. Six Forks Road, Suite 200
 Raleigh, North Carolina 27609
 C-1554

| | |
|---------------------|-----------|
| PROJ. REFERENCE NO. | SHEET NO. |
| R-2812 | TMP-78 |



BREAK LINE SEE SHEET 77 -L- STA 192+00

MATCH LINE SEE SHEET 79 -L- STA 206+00

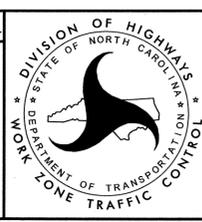


PAVEMENT MARKING SYMBOLS

| | |
|--|----|
| | QA |
| | QC |

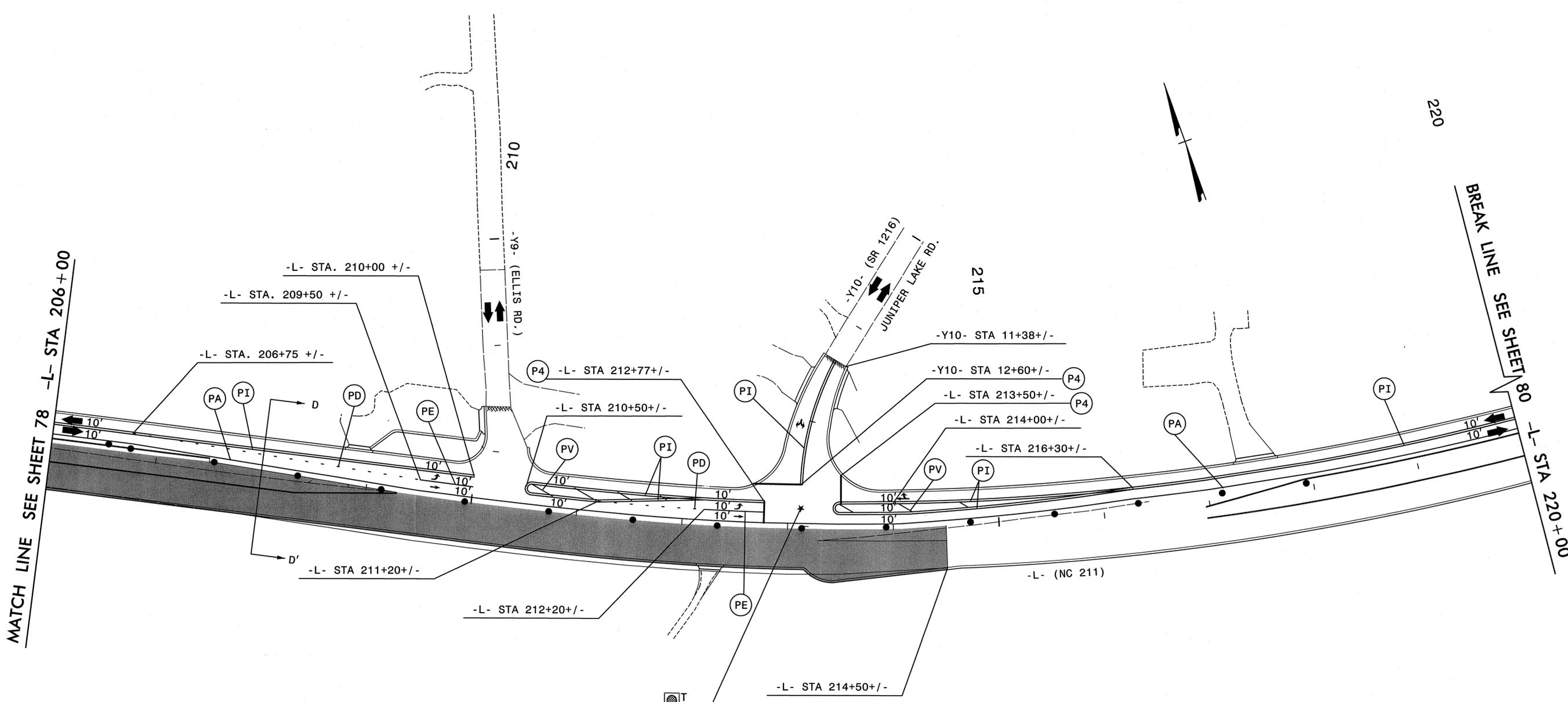
APPROVED: *[Signature]* DATE: 4/15/11

SEAL



DETAIL 4
 PHASE III TRAFFIC PATTERN

SYSTEMTIME: 4/15/11 10:00:00 AM
 DGN: 110401.dgn
 USERNAME: jh

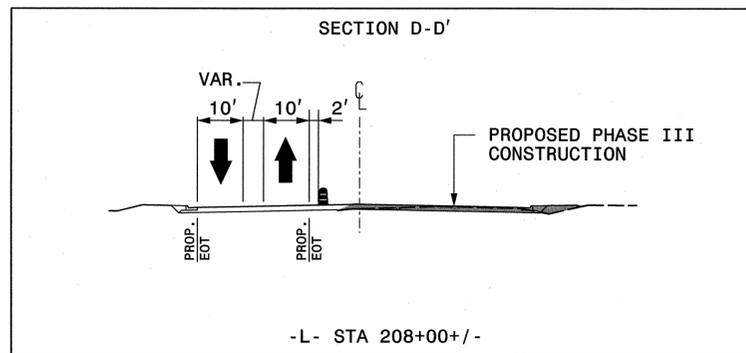


MATCH LINE SEE SHEET 78 -L- STA 206+00

BREAK LINE SEE SHEET 80 -L- STA 220+00

PAVEMENT MARKING SYMBOLS

| | |
|--|----|
| | QA |
| | QC |
| | QE |

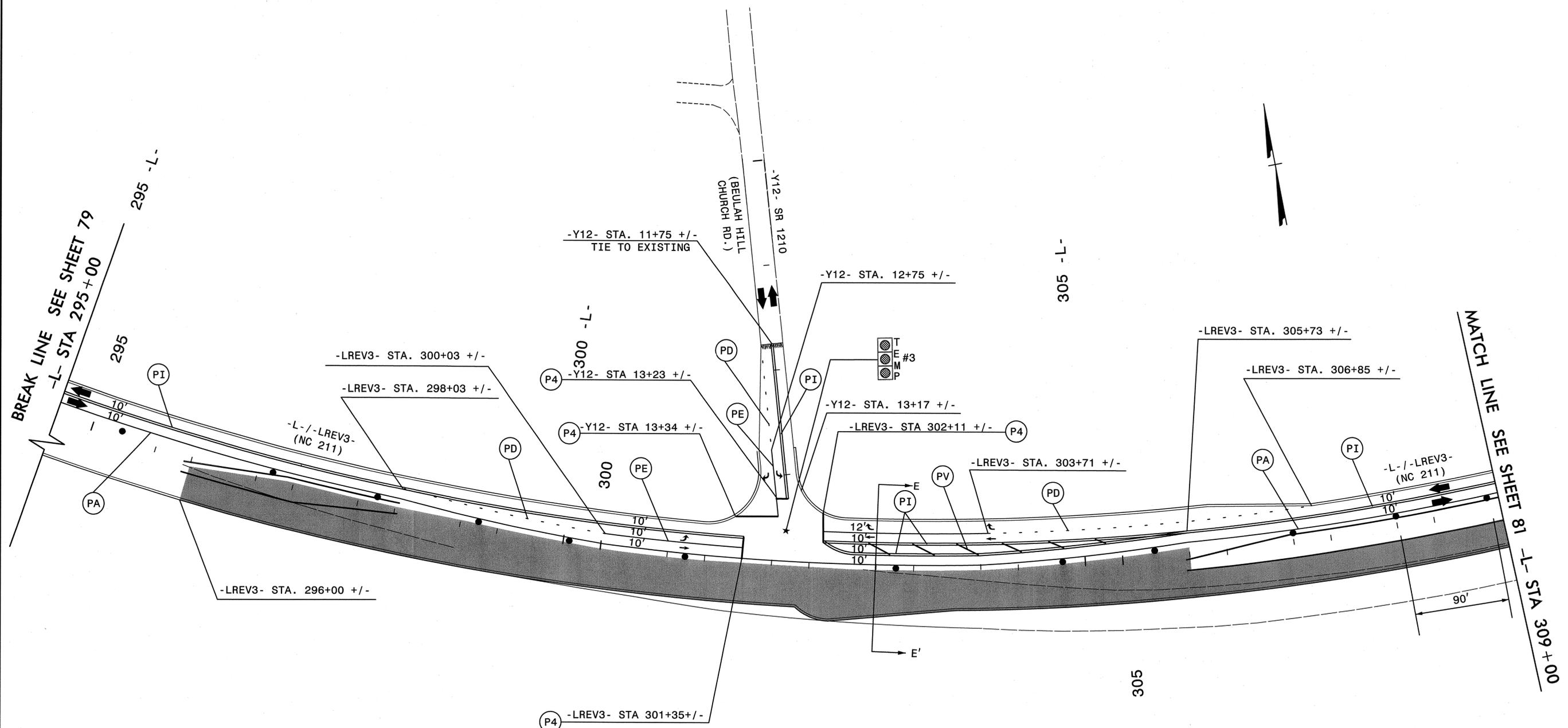


APPROVED: *Handwritten Signature* DATE: 6/15/11

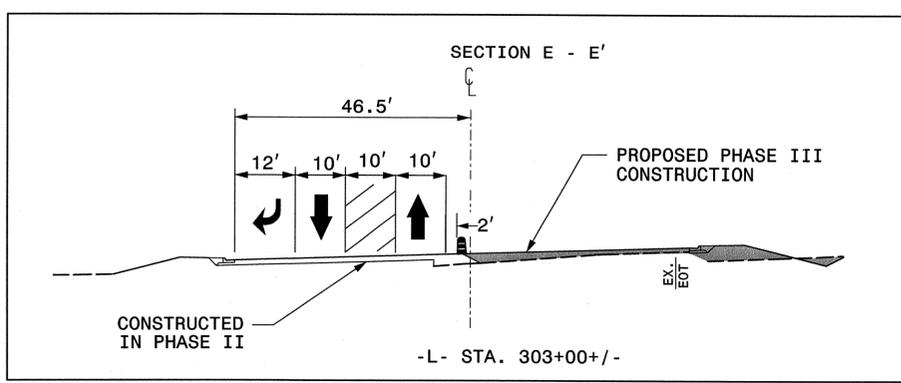
SEAL

DETAIL 5
 PHASE III TRAFFIC PATTERN

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



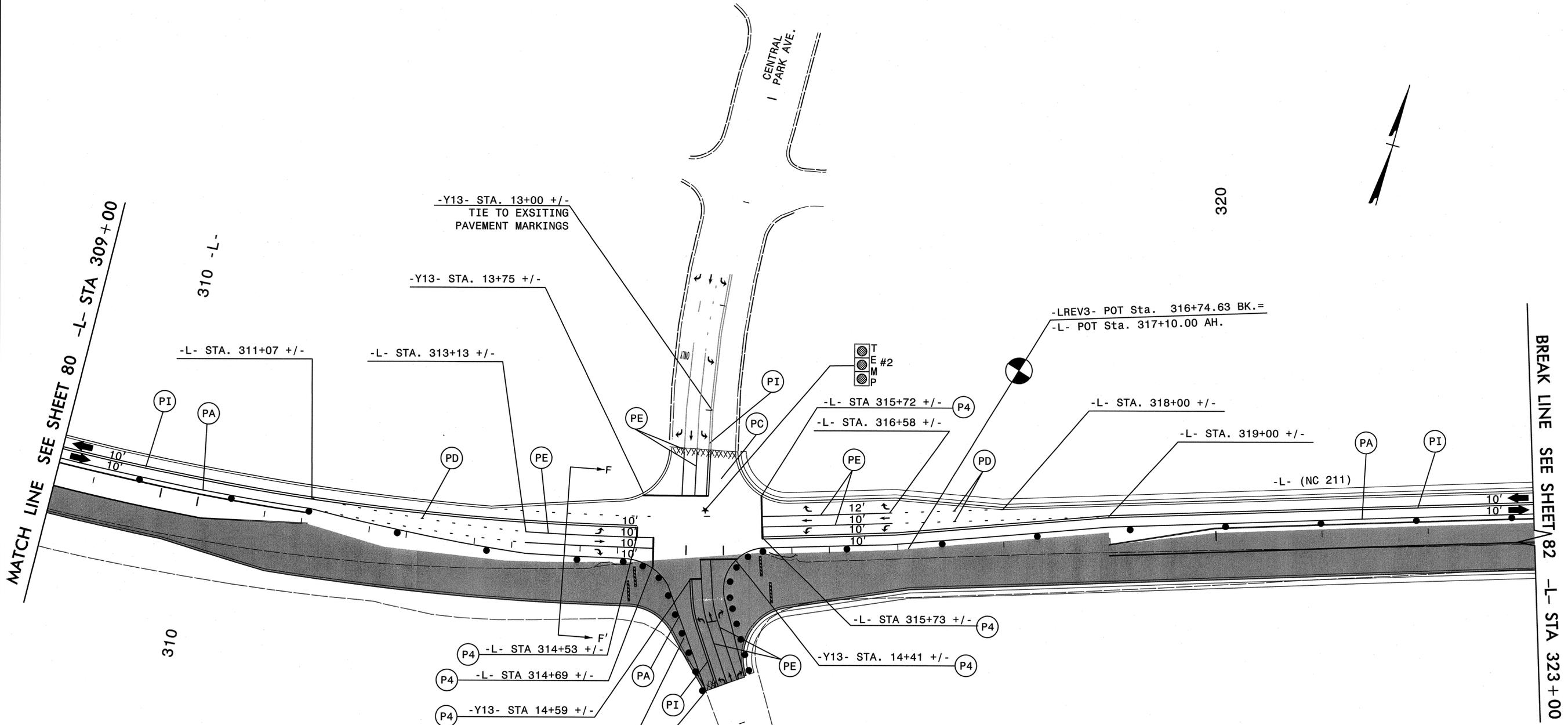
SYSTEM: DGN
USER: DGN
DATE: 6/30/11



PAVEMENT MARKING SYMBOLS

| | |
|--|----|
| | QA |
| | QB |
| | QC |

| | | |
|--|--|---|
| APPROVED: <i>[Signature]</i> DATE: 6/30/11 | | <p>DETAIL 6 PHASE III TRAFFIC PATTERN</p> |
| | | |

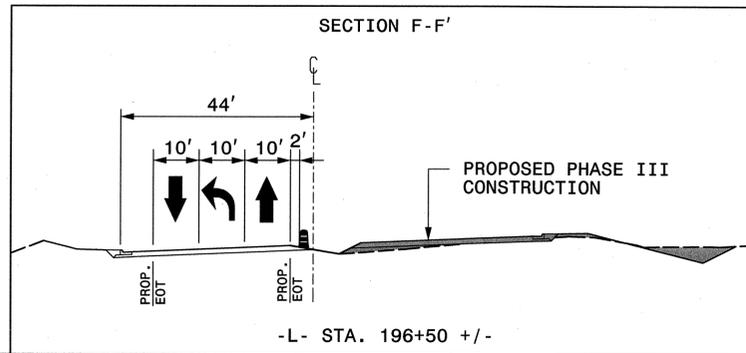


MATCH LINE SEE SHEET 80 -L- STA 309+00

BREAK LINE SEE SHEET 82 -L- STA 323+00

PAVEMENT MARKING SYMBOLS

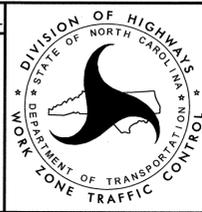
| | |
|--|----|
| | QA |
| | QB |
| | QC |



APPROVED: *[Signature]* DATE: 6/30/11

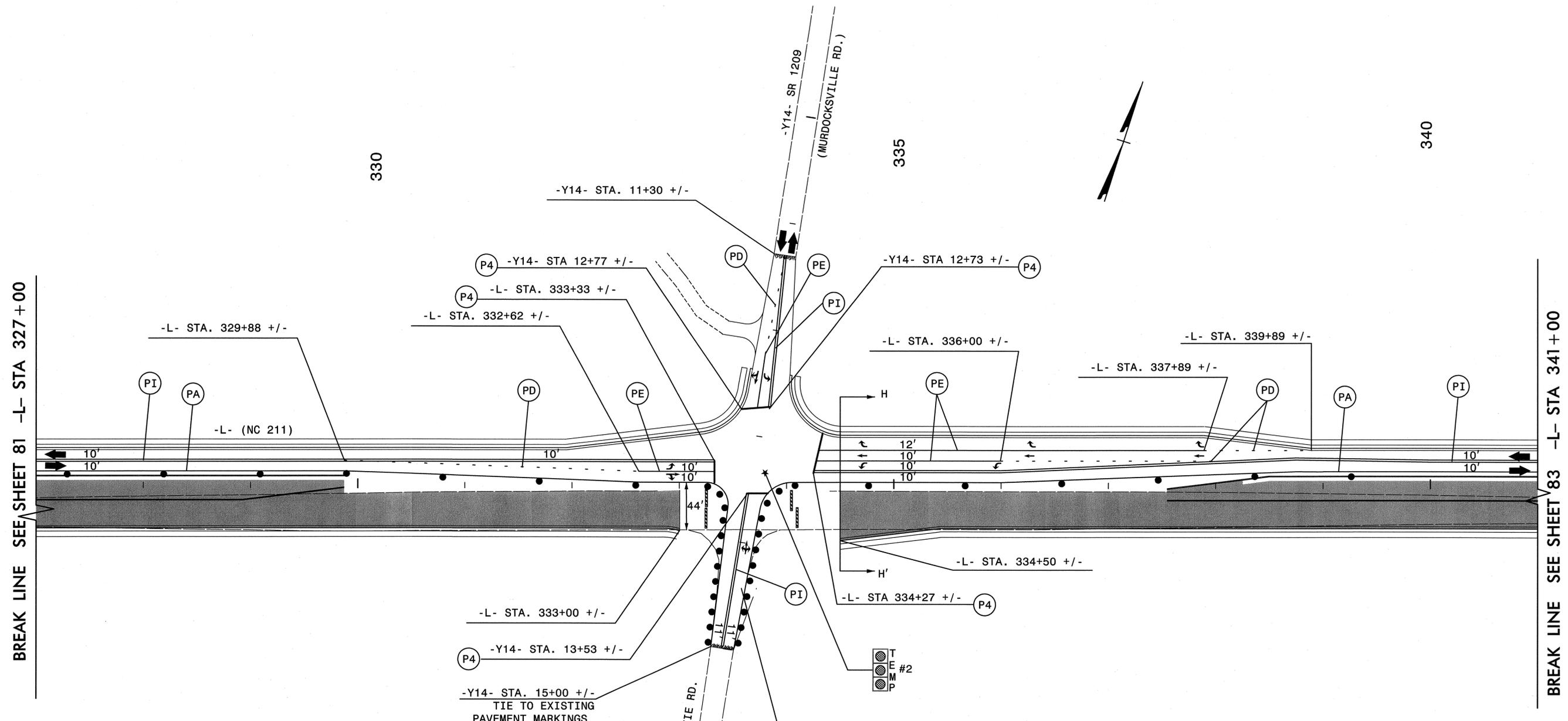
SEAL

NORTH CAROLINA PROFESSIONAL ENGINEER SEAL 023521 FLOYDA B. EARLY



DETAIL 7
 PHASE III TRAFFIC PATTERN

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

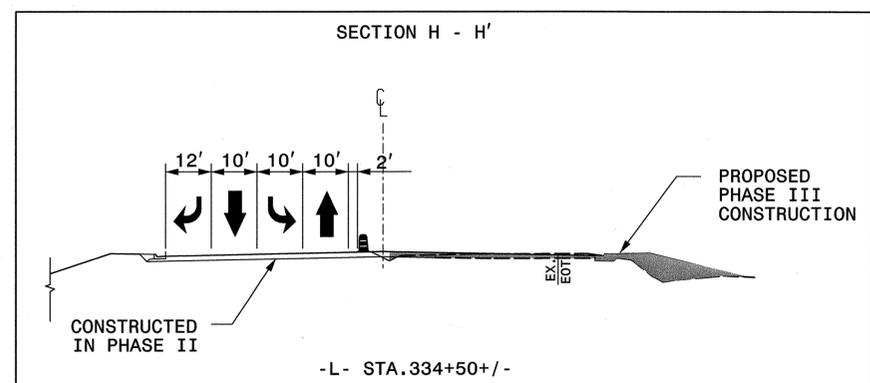


BREAK LINE SEE SHEET 81 -L- STA 327+00

BREAK LINE SEE SHEET 83 -L- STA 341+00

CLOSE AND CONSTRUCT
-Y14- (MCKENZIE RD.)
(ACTIVATE PHASE III TEMPORARY
SIGNAL #2 DURING CLOSURE)
SEE TMP-87

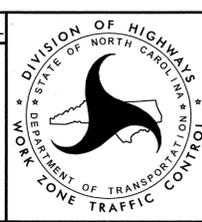
| PAVEMENT MARKING SYMBOLS | |
|--------------------------|----|
| | QA |
| | QB |
| | QC |
| | QE |
| | QG |



APPROVED: *[Signature]* DATE: *[Date]*

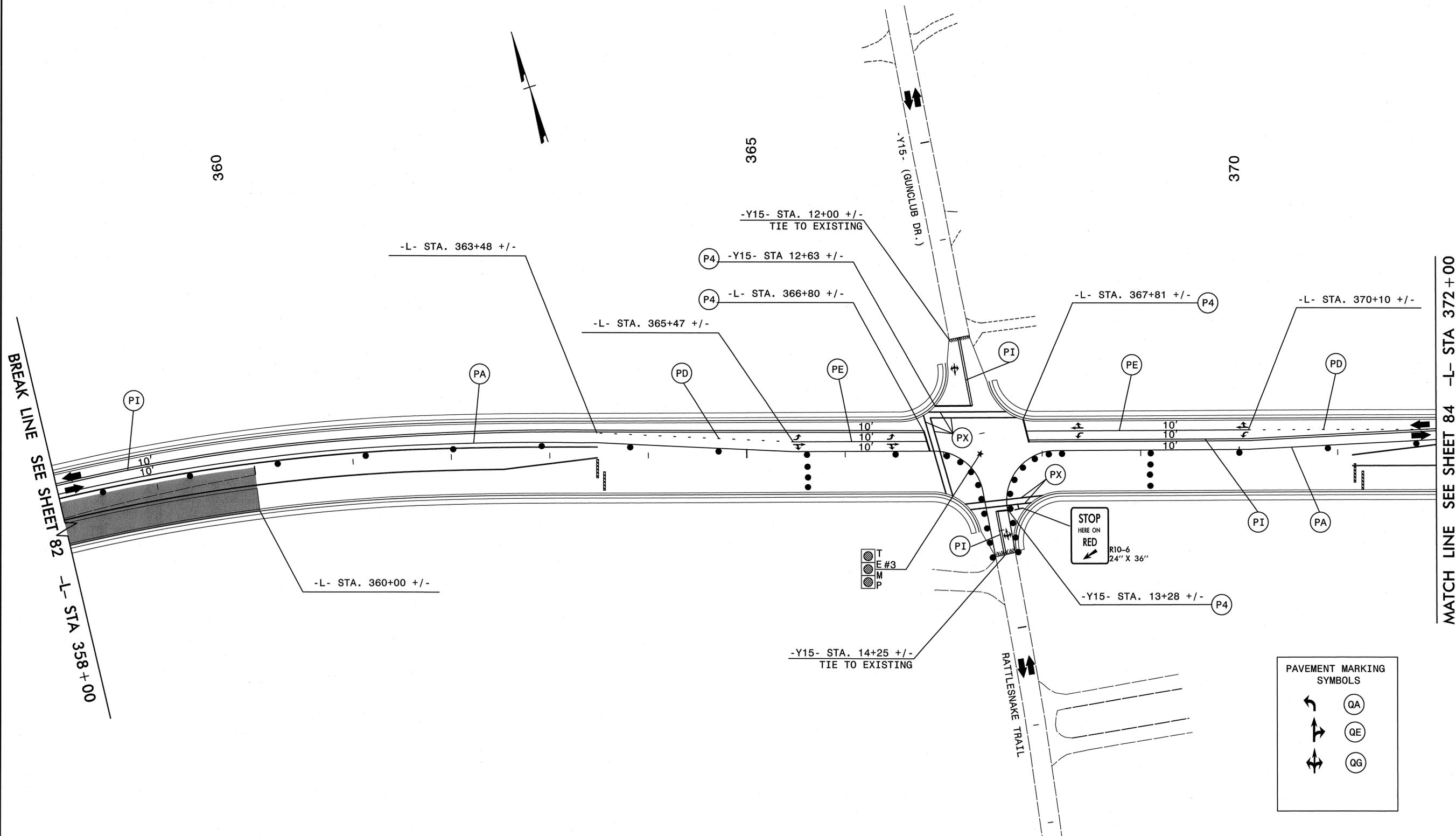
SEAL

NORTH CAROLINA PROFESSIONAL ENGINEER
SEAL 023521
PIONDA B. EARLY



DETAIL 8
PHASE III TRAFFIC PATTERN

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



BREAK LINE SEE SHEET 82 -L- STA 358+00

MATCH LINE SEE SHEET 84 -L- STA 372+00

PAVEMENT MARKING SYMBOLS

| | |
|--|----|
| | QA |
| | QE |
| | QG |

NOTE:
 PLACE TEMPORARY CROSSWALKS (PX) IN FINAL PAVEMENT MARKING PATTERN ACCORDING TO SHEET PMP-21.

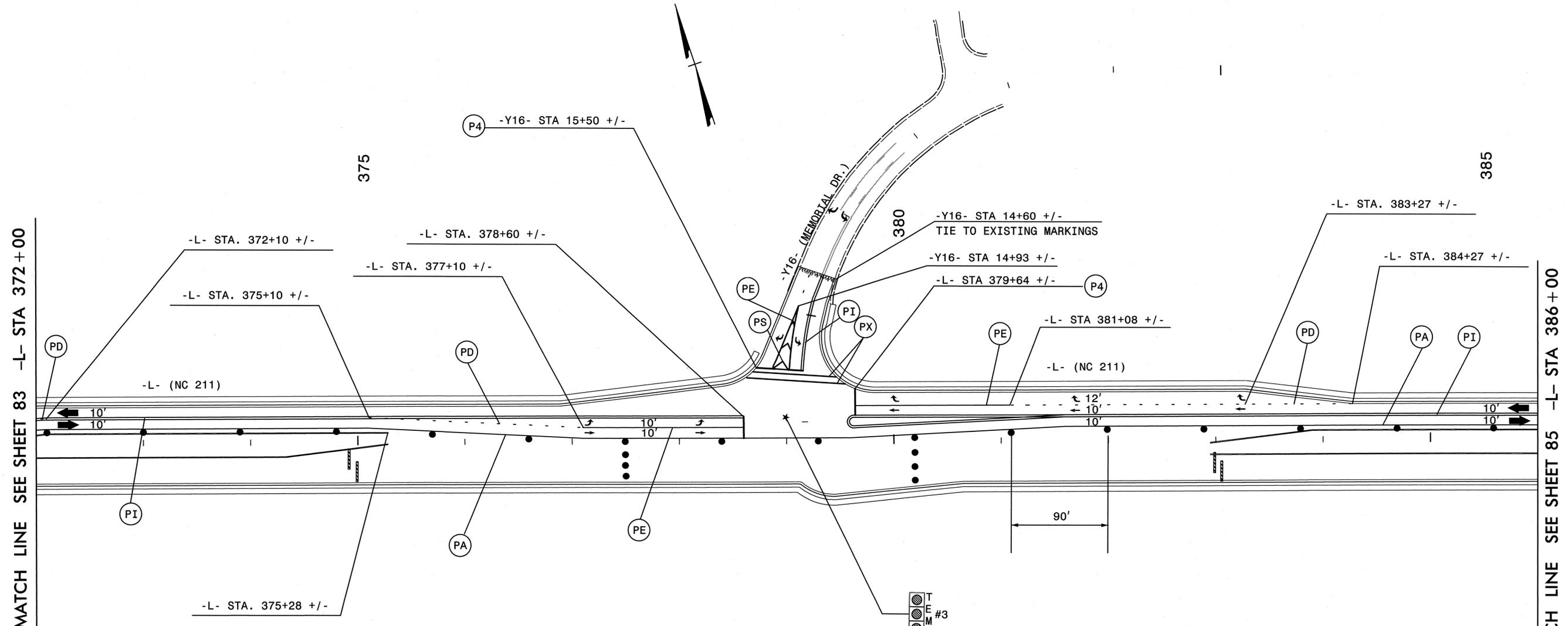
APPROVED: *Rhonda B. Early* DATE: 6/20/11

SEAL



DETAIL 9
 PHASE III TRAFFIC PATTERN

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



PAVEMENT MARKING SYMBOLS

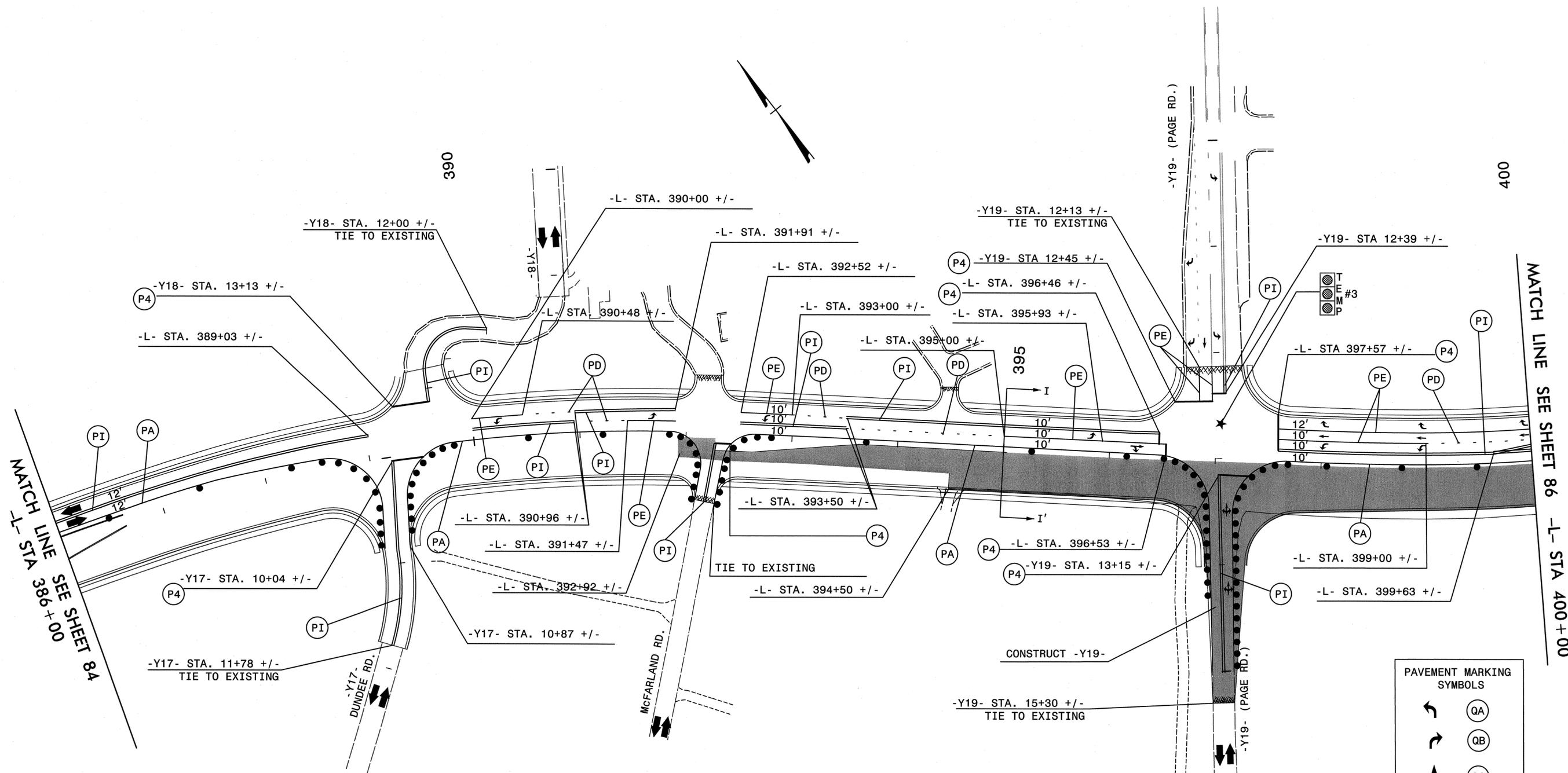
| | |
|--|----|
| | QA |
| | QB |
| | QC |

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

APPROVED: *Phonda B. Early* DATE: 6/30/11

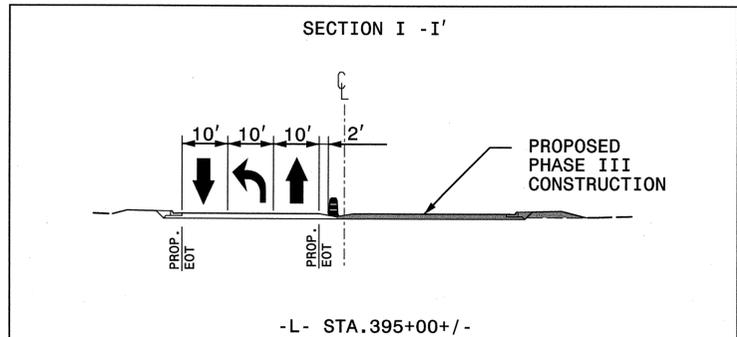
SEAL

DETAIL 10
 PHASE III TRAFFIC PATTERN



PAVEMENT MARKING SYMBOLS

| | |
|--|----|
| | QA |
| | QB |
| | QC |
| | QE |
| | QG |



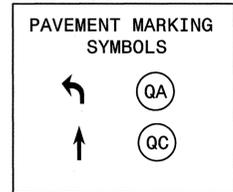
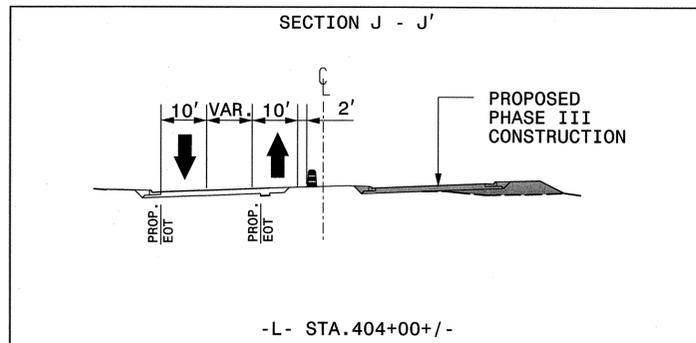
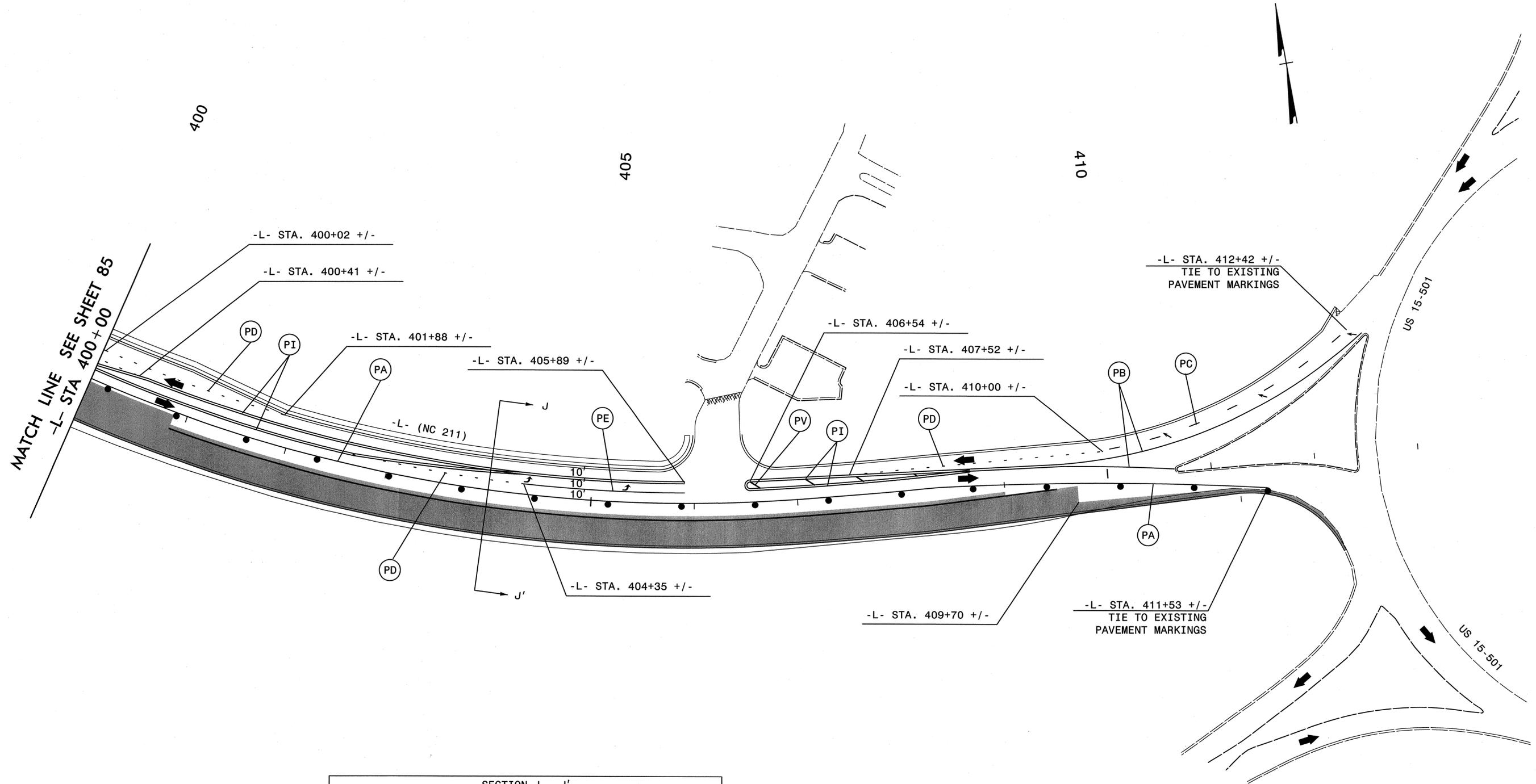
APPROVED: *Phonda B. Early* DATE: 6/30/11

SEAL

DIVISION OF HIGHWAY CONSTRUCTION
DEPARTMENT OF TRANSPORTATION
STATE OF NORTH CAROLINA
WORK ZONE TRAFFIC CONTROL

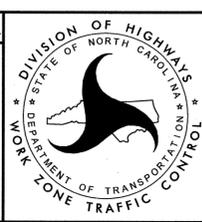
DETAIL 11
PHASE III TRAFFIC PATTERN

\$\$\$\$\$SYTIME\$\$\$\$\$
\$\$\$\$\$DGN\$\$\$\$\$
\$\$\$\$\$USERNAM\$\$\$\$\$



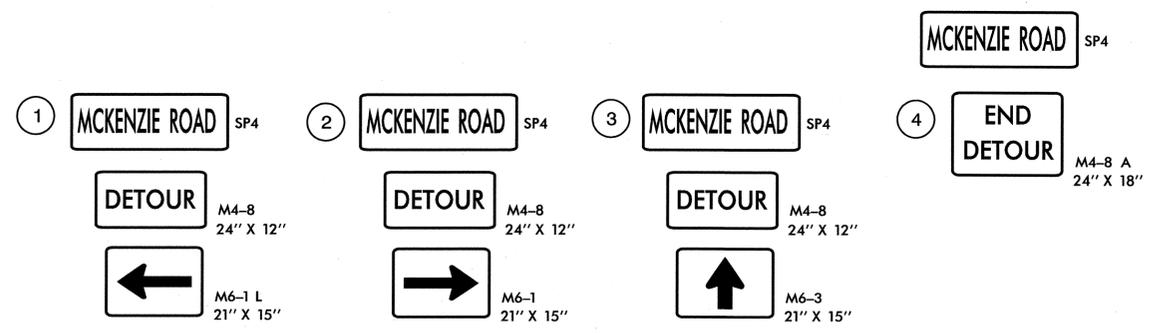
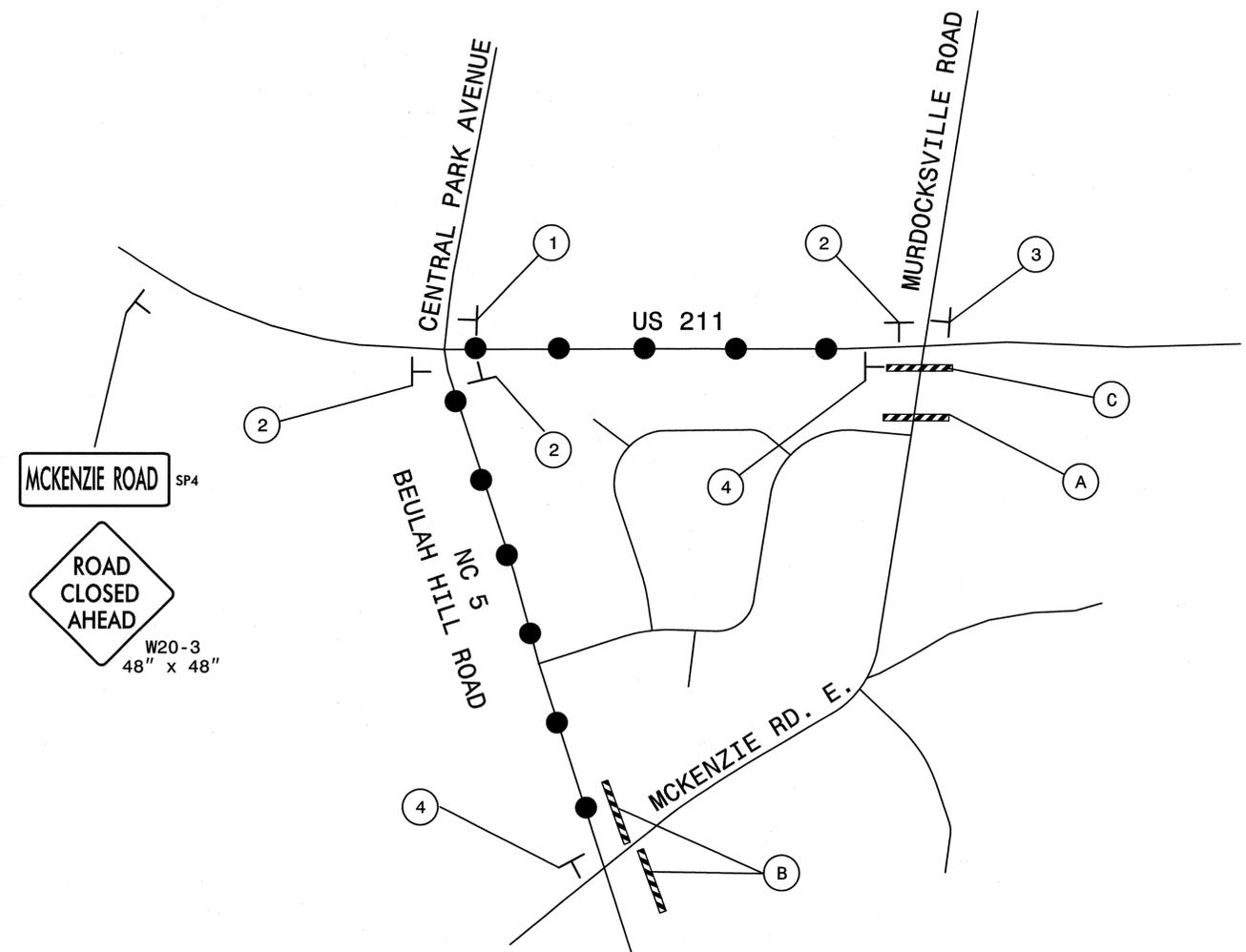
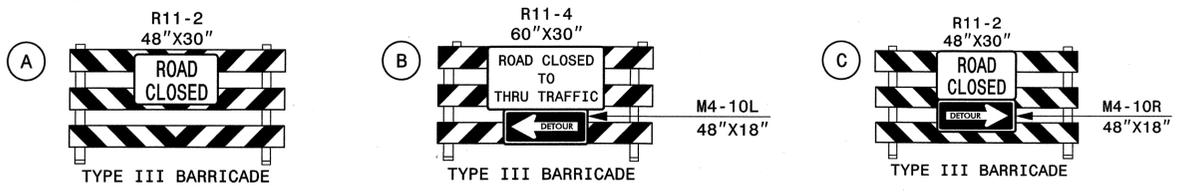
APPROVED: *[Signature]* DATE: 6/15/11

SEAL

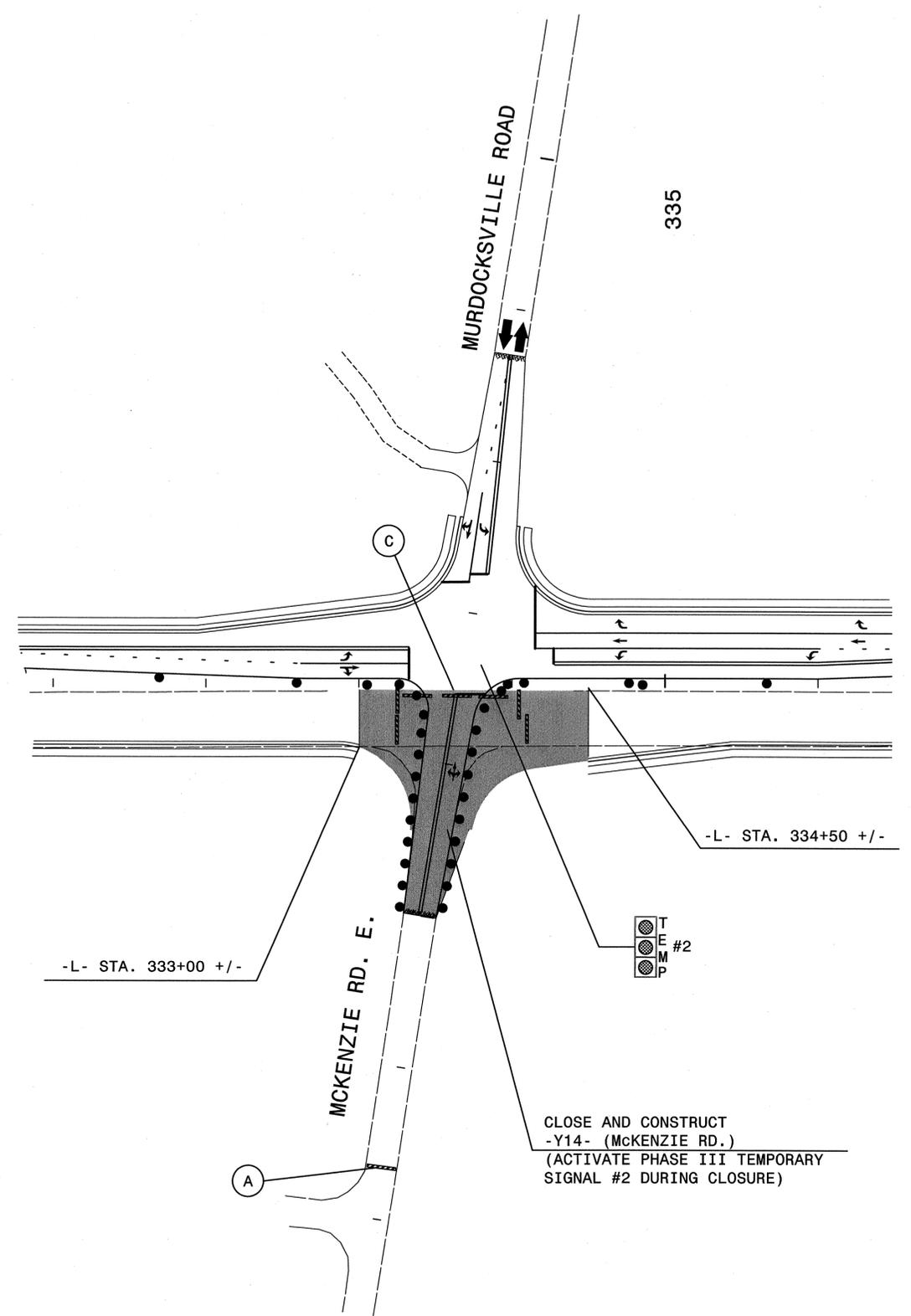
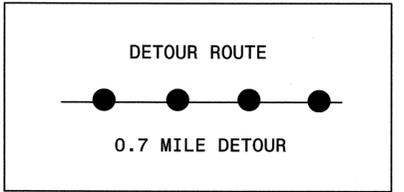


DETAIL 12
 PHASE III TRAFFIC PATTERN

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



NOTE:
 * SEE RSD 1101.03, SHEETS 1 AND 2 OF 9,
 FOR ADDITIONAL SIGN PLACEMENT
 * SEE SHEET SD-1 FOR SPECIAL SIGN DESIGNS.

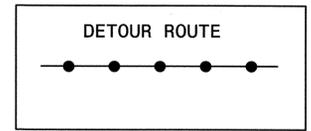
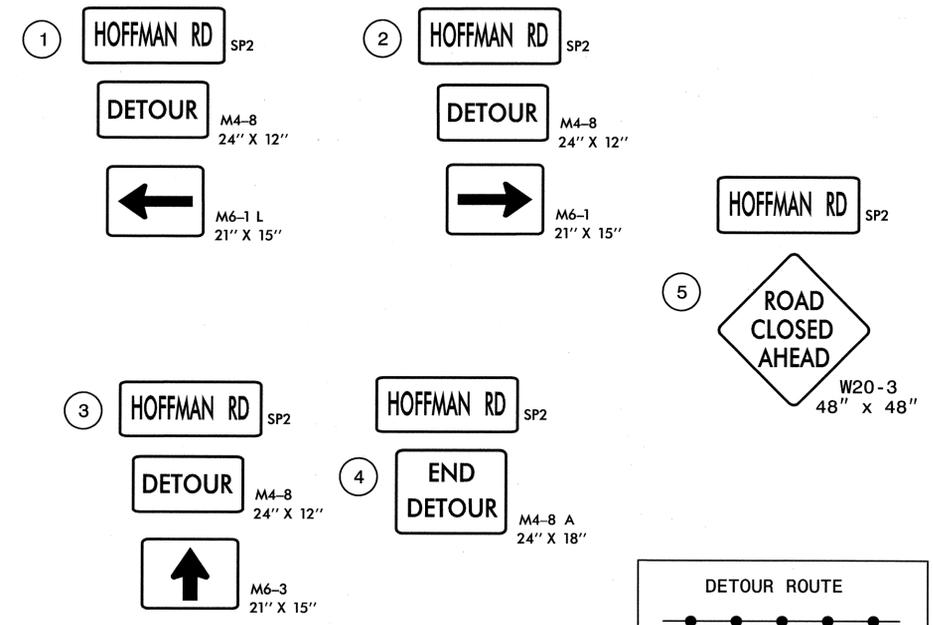
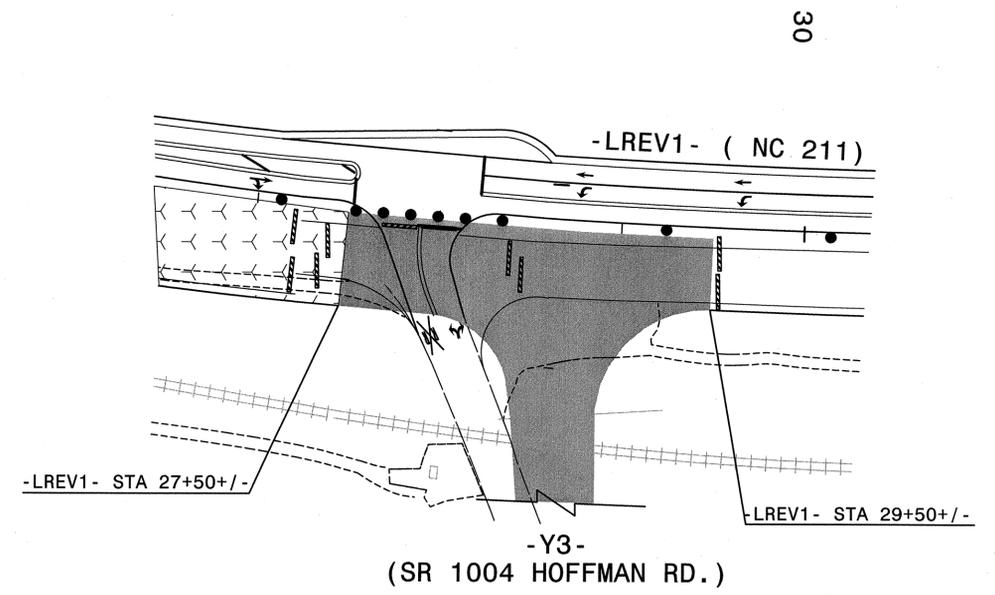
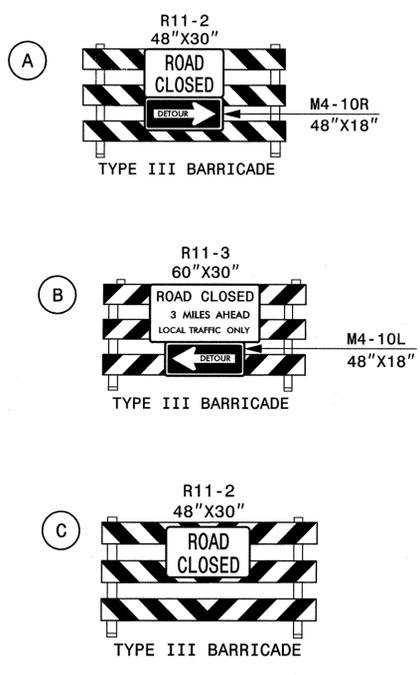
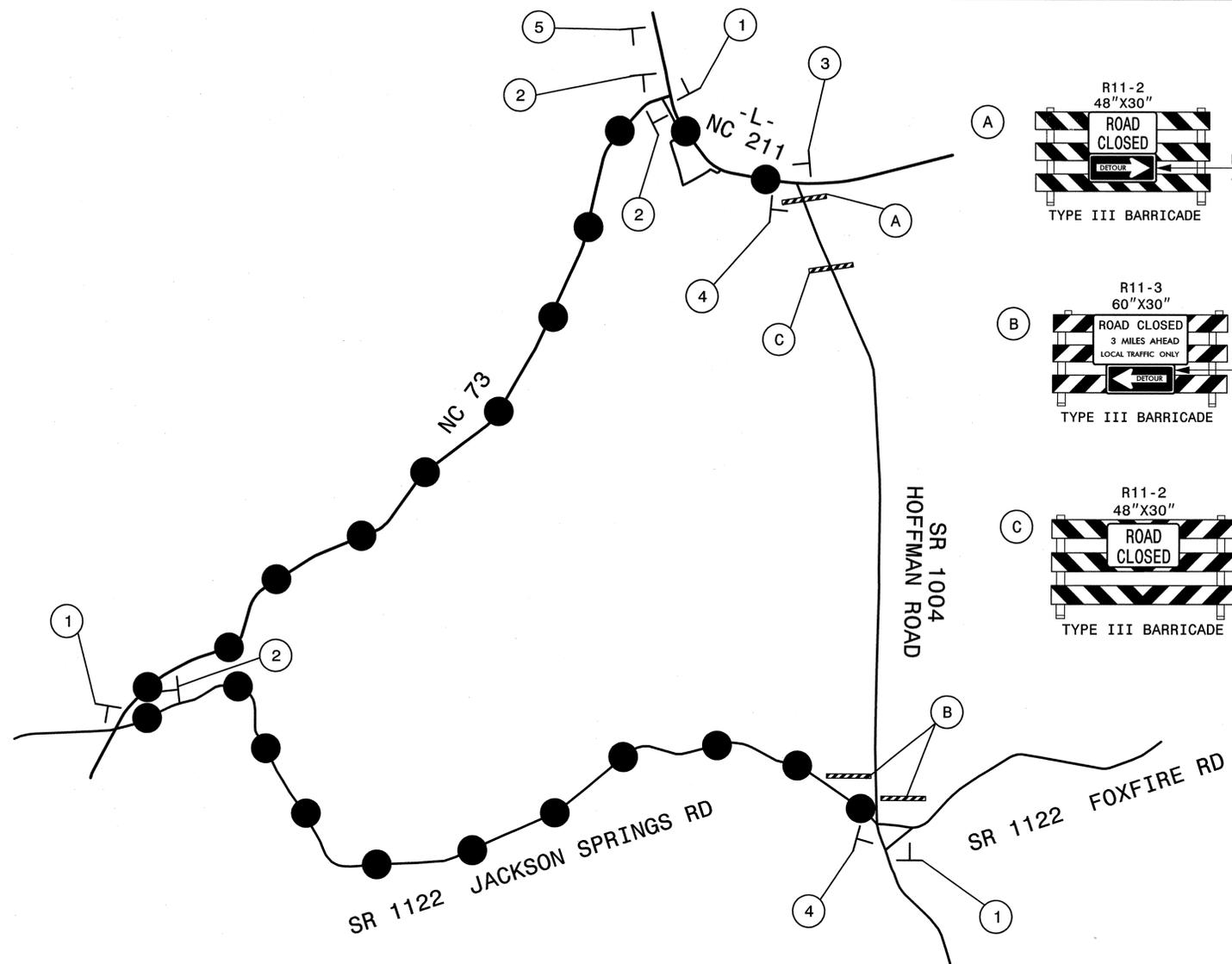


APPROVED: *[Signature]* DATE: 11/15/10
 SEAL
 NORTH CAROLINA PROFESSIONAL ENGINEER
 FLORIDA B. EARLY
 SEAL 023521

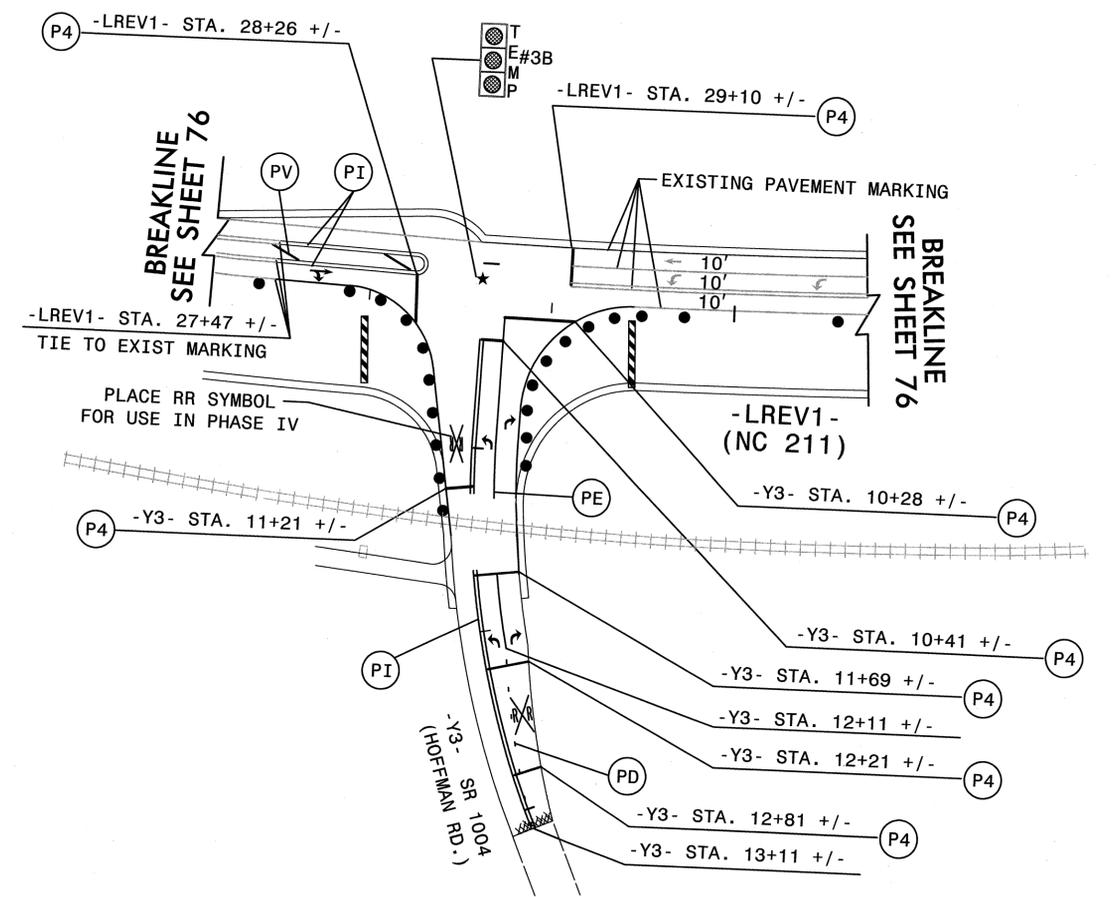


DETAIL 13
 PHASE III TRAFFIC PATTERN

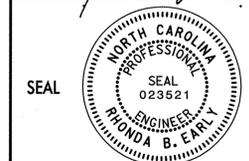
\$\$\$\$\$SYTIME\$\$\$\$\$
 \$\$\$USERNAME\$\$\$



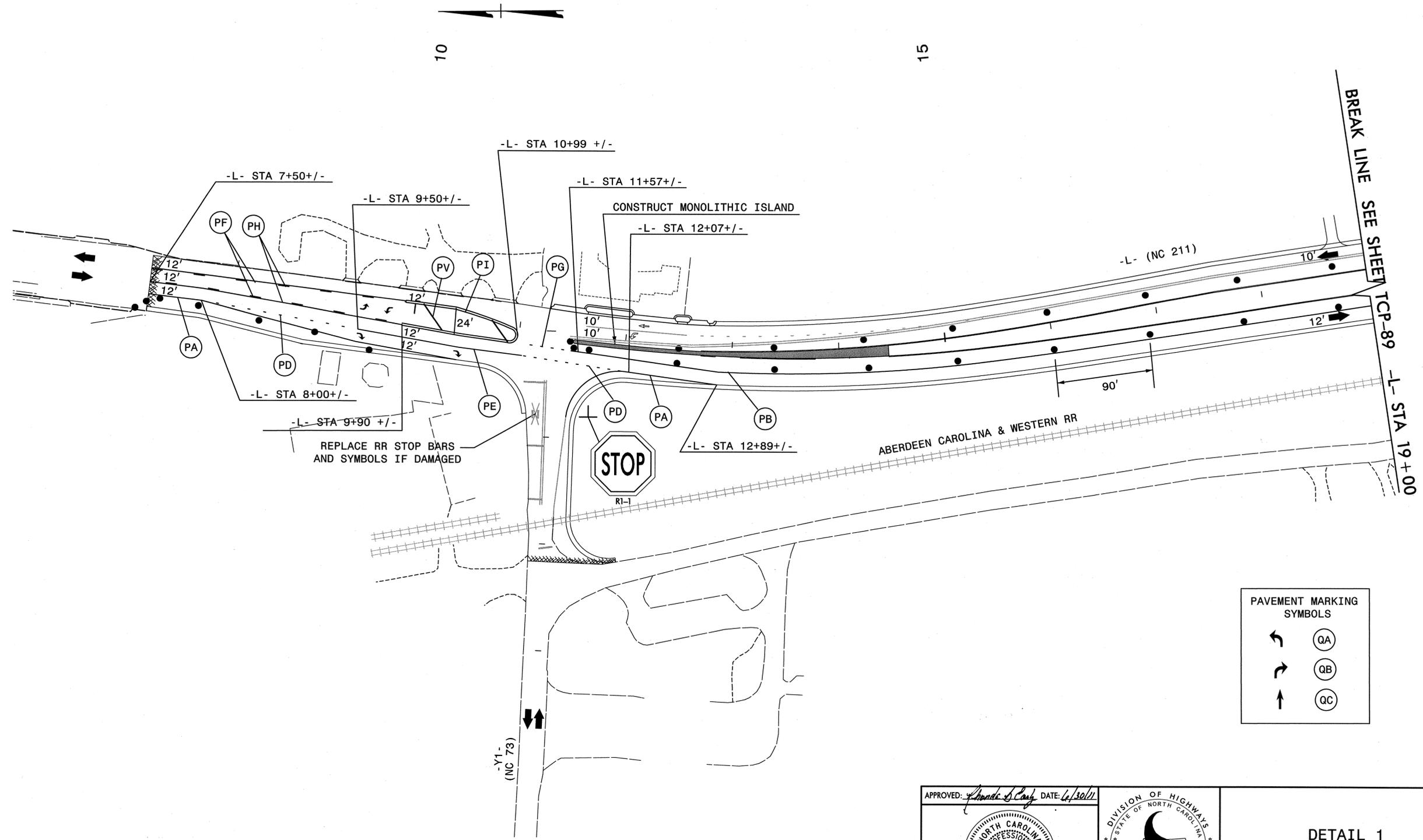
NOTES:
 * SEE RSD 1101.03, SHEET 1 OF 9, FOR ADDITIONAL SIGN PLACEMENT.
 * SEE SHEET SD-01 FOR SPECIAL SIGN DESIGN.
 * SEE LOCAL NOTE 15.



APPROVED: *[Signature]* DATE: 6/15/11



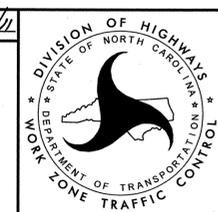
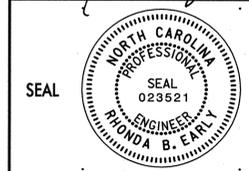
PHASE III, STEP 3
 DETAIL 14



| PAVEMENT MARKING SYMBOLS | |
|--------------------------|----|
| | QA |
| | QB |
| | QC |

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

APPROVED: *[Signature]* DATE: 6/30/11

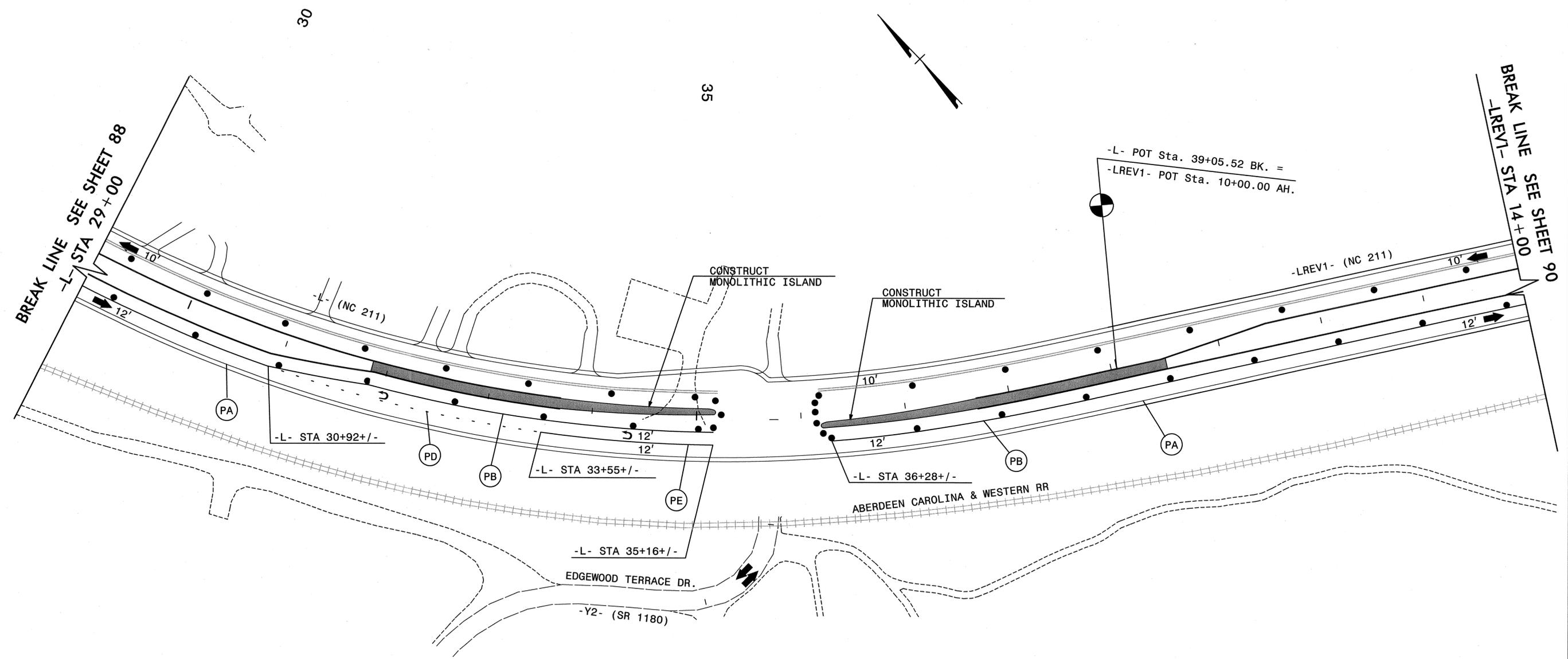


DETAIL 1
 PHASE IV TRAFFIC PATTERN



HNTB NORTH CAROLINA, P.C.
 343 E. Six Forks Road, Suite 200
 Raleigh, North Carolina 27609
 C-1554

| | |
|---------------------|-----------|
| PROJ. REFERENCE NO. | SHEET NO. |
| R-2812 | TMP-89 |



| | |
|--------------------------|--|
| PAVEMENT MARKING SYMBOLS | |
| | |

APPROVED: *[Signature]* DATE: 6/15/11

SEAL

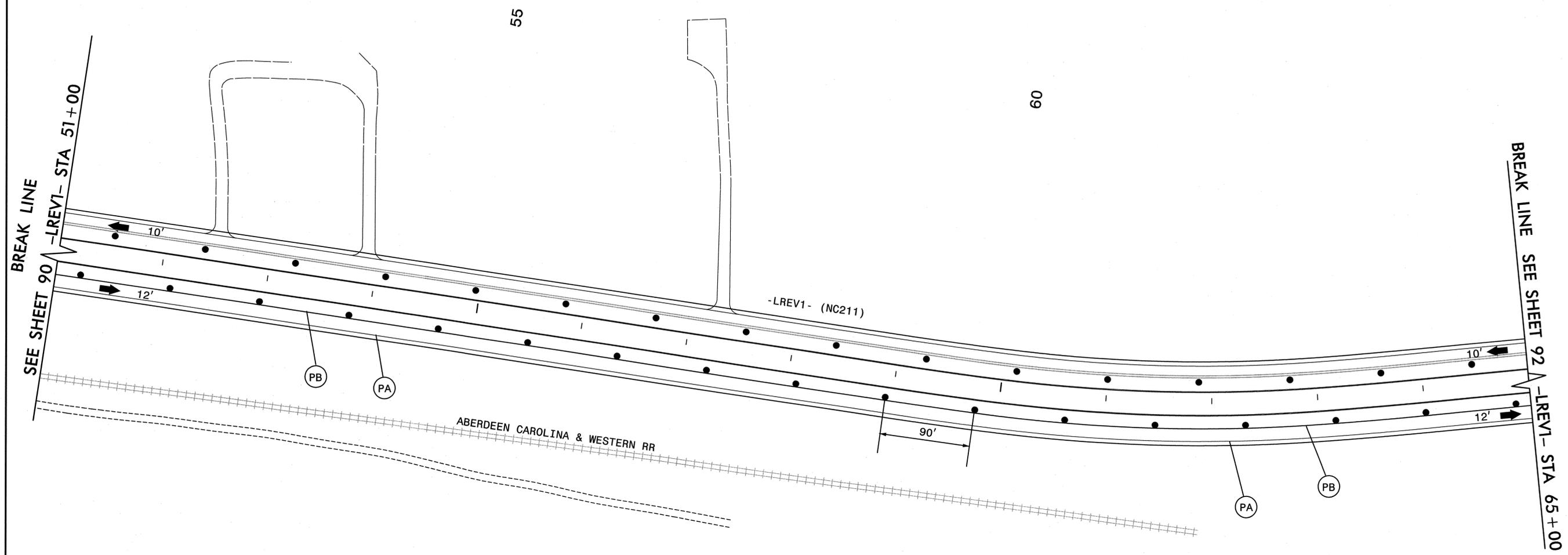
NORTH CAROLINA PROFESSIONAL ENGINEER SEAL 023521 RYONDA B. EARLY



DETAIL 2
 PHASE IV TRAFFIC PATTERN

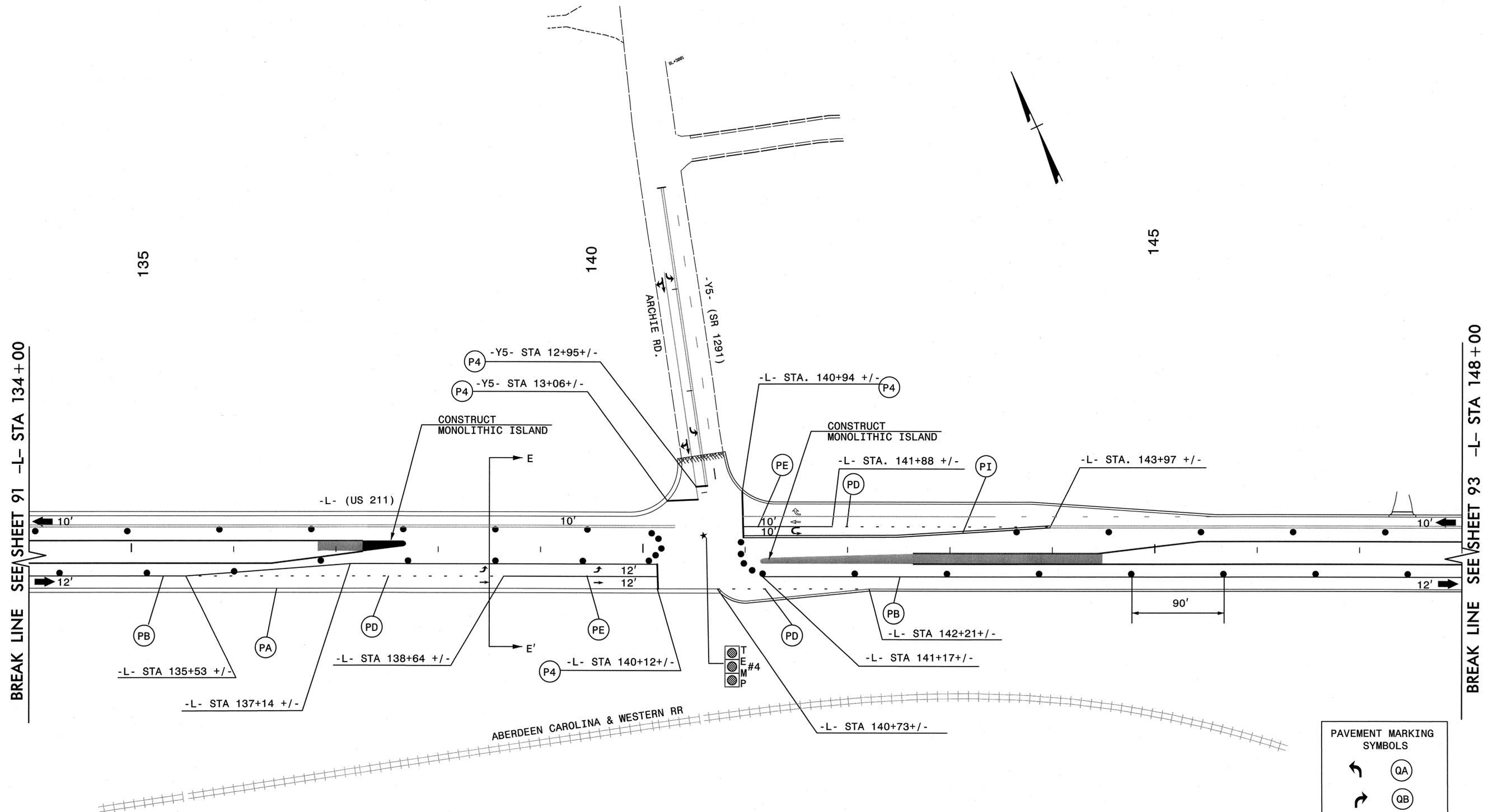
\$\$\$\$\$SYTIME\$\$\$\$\$
 \$\$\$CDN\$\$\$\$\$
 \$\$\$USERNAME\$\$\$\$\$

65



SYSTEM: DGN
 USERNAME: [unreadable]

| | | |
|---|---|--------------------------------------|
| APPROVED: <i>[Signature]</i> DATE: 6/18/11  |  | DETAIL 4 PHASE IV TRAFFIC PATTERN |
|---|---|--------------------------------------|

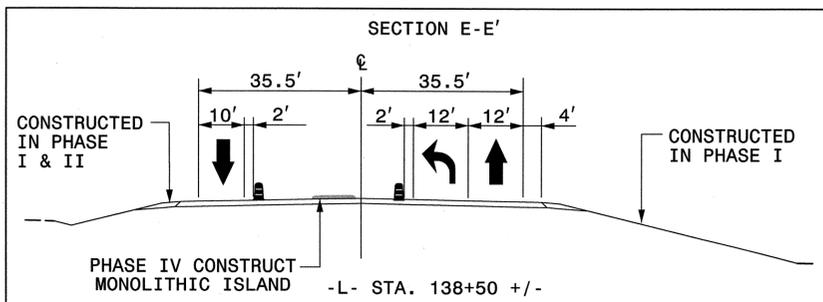


BREAK LINE SEE SHEET 91 -L- STA 134+00

BREAK LINE SEE SHEET 93 -L- STA 148+00

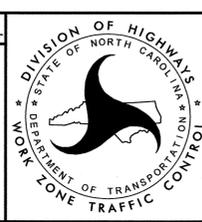
PAVEMENT MARKING SYMBOLS

| | |
|--|----|
| | QA |
| | QB |
| | QC |
| | QT |



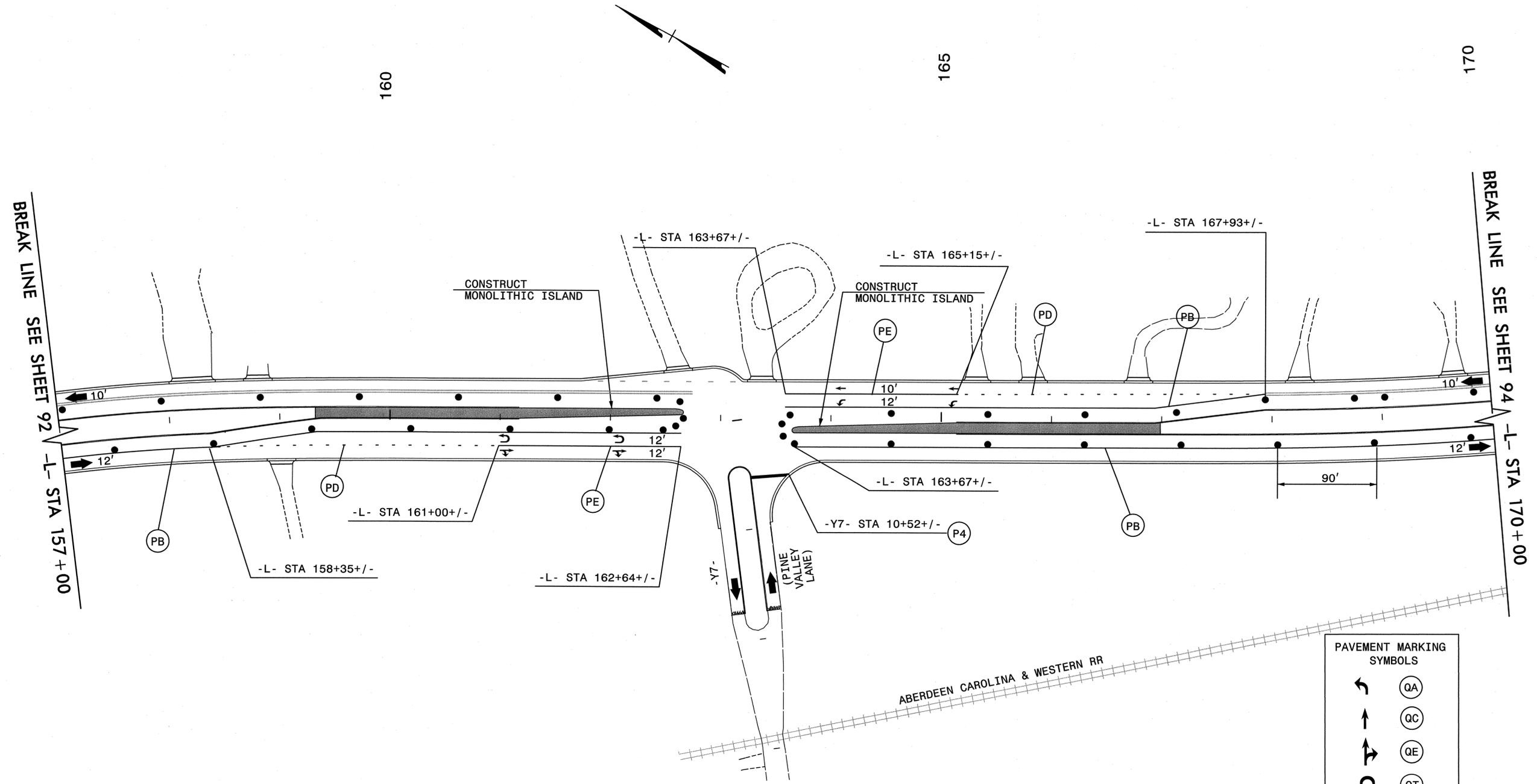
APPROVED: *David B. Early* DATE: 4/30/11

SEAL



DETAIL 5
 PHASE IV TRAFFIC PATTERN

\$\$\$\$\$SYTIME\$\$\$\$\$
 \$\$\$DDCN\$\$\$\$\$
 \$\$\$USERNAM\$\$\$\$\$



| PAVEMENT MARKING SYMBOLS | |
|--------------------------|----|
| | QA |
| | QC |
| | QE |
| | QT |

APPROVED: *[Signature]* DATE: 4/30/11

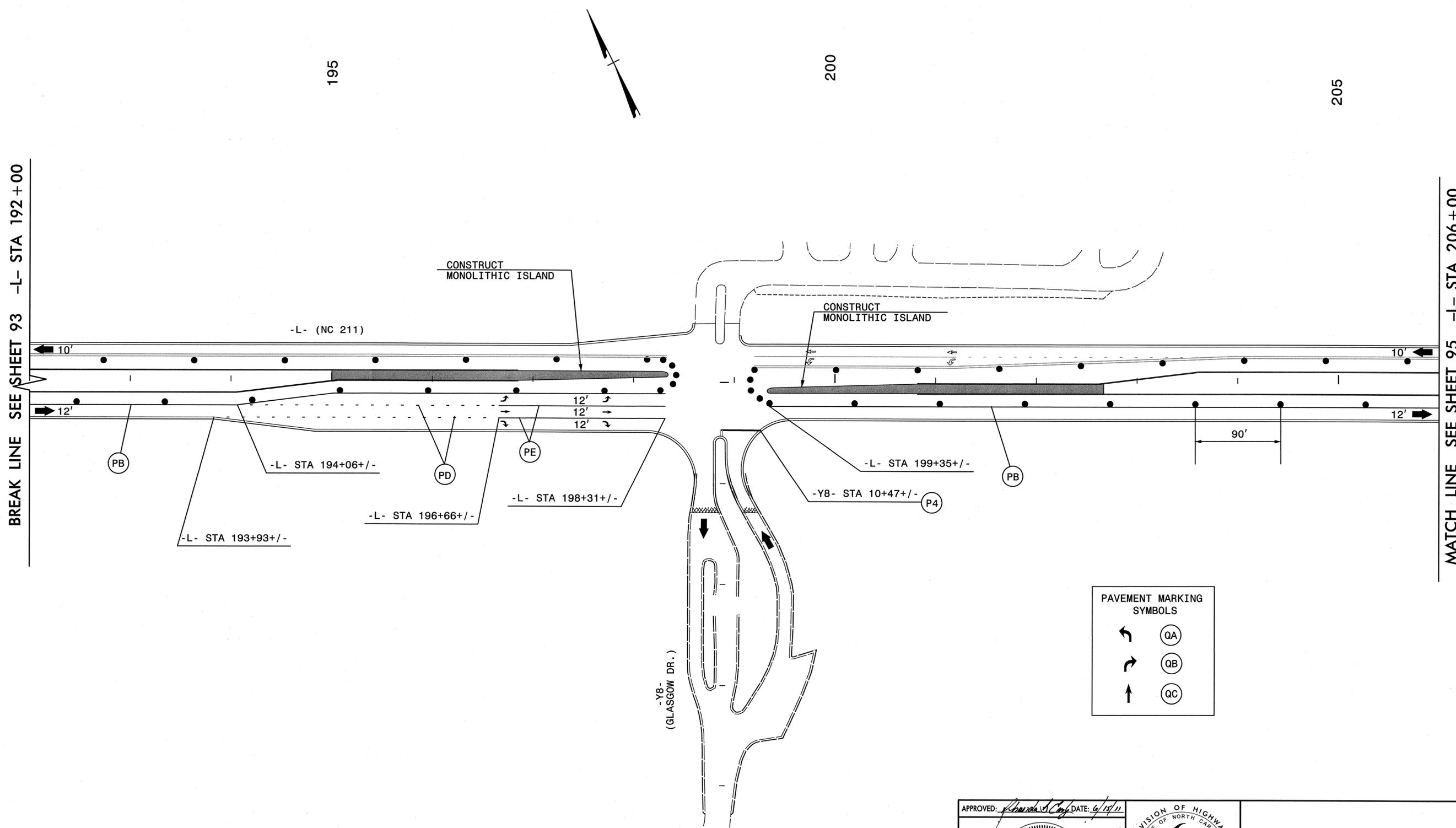
SEAL

NORTH CAROLINA PROFESSIONAL ENGINEER
 SEAL 023521
 PHOENIX B. EARLY



DETAIL 6
 PHASE IV TRAFFIC PATTERN

SYSTEM: D:\PROJECTS\2011\2812\DRAWINGS\TRAFFIC\TMP-93.DWG
 USER: JHE
 DATE: 4/30/11



BREAK LINE SEE SHEET 93 -L- STA 192+00

MATCH LINE SEE SHEET 95 -L- STA 206+00

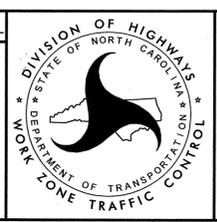
| PAVEMENT MARKING SYMBOLS | |
|--------------------------|----|
| | QA |
| | QB |
| | QC |

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

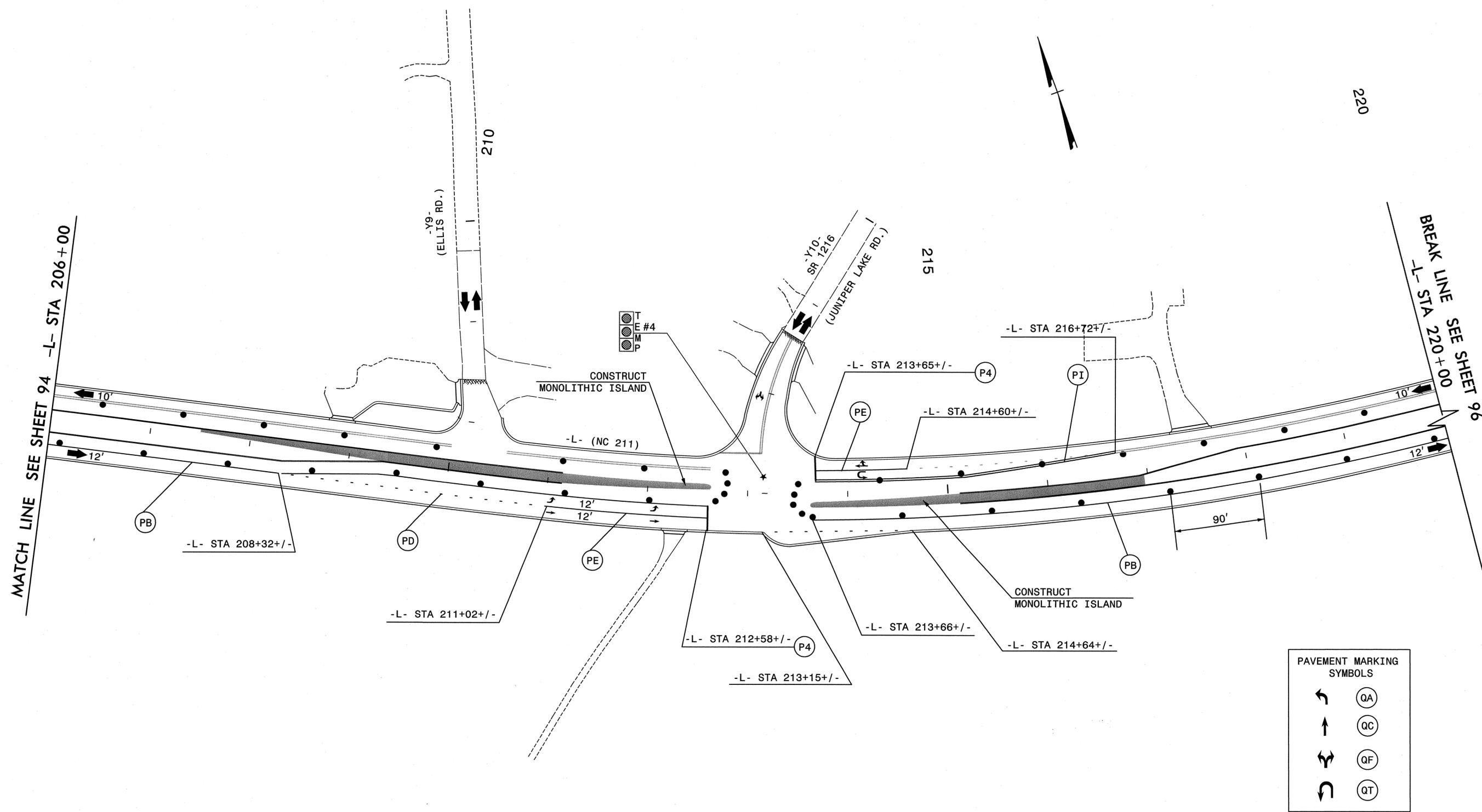
APPROVED: *[Signature]* DATE: 6/15/11

SEAL

NORTH CAROLINA
 PROFESSIONAL
 SEAL
 023521
 ENGINEER
 WYONDA B. EARLY



DETAIL 7
 PHASE IV TRAFFIC PATTERN



| PAVEMENT MARKING SYMBOLS | |
|--------------------------|----|
| | QA |
| | QC |
| | QF |
| | QT |

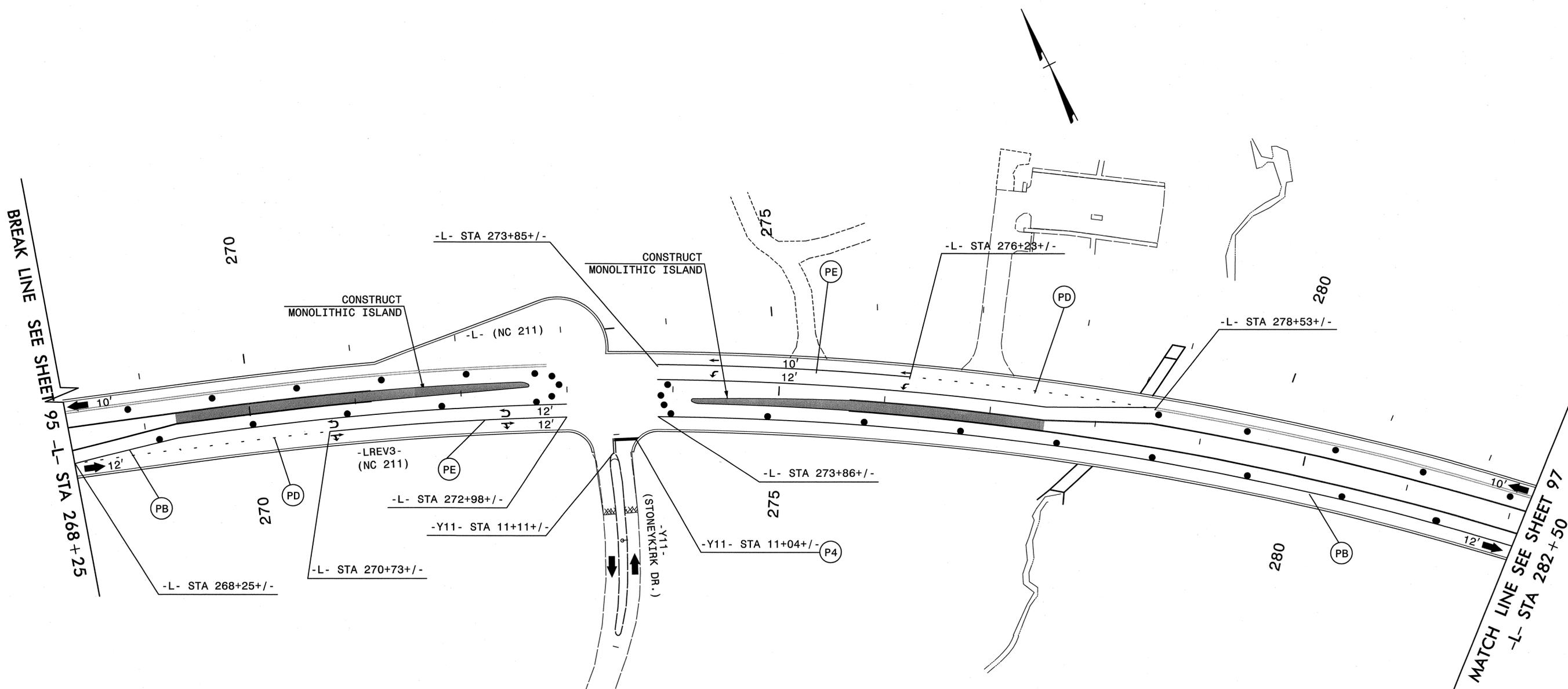
SYSTEM: \$\$\$\$\$\$
DRAWN: \$\$\$\$\$\$
CHECKED: \$\$\$\$\$\$
DATE: \$\$\$\$\$\$
USER: \$\$\$\$\$\$

APPROVED: *Rhonda B. Early* DATE: 6/30/11

SEAL



DETAIL 8
PHASE IV TRAFFIC PATTERN

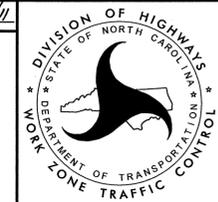
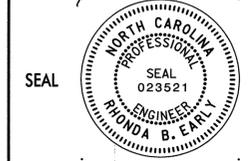


PAVEMENT MARKING SYMBOLS

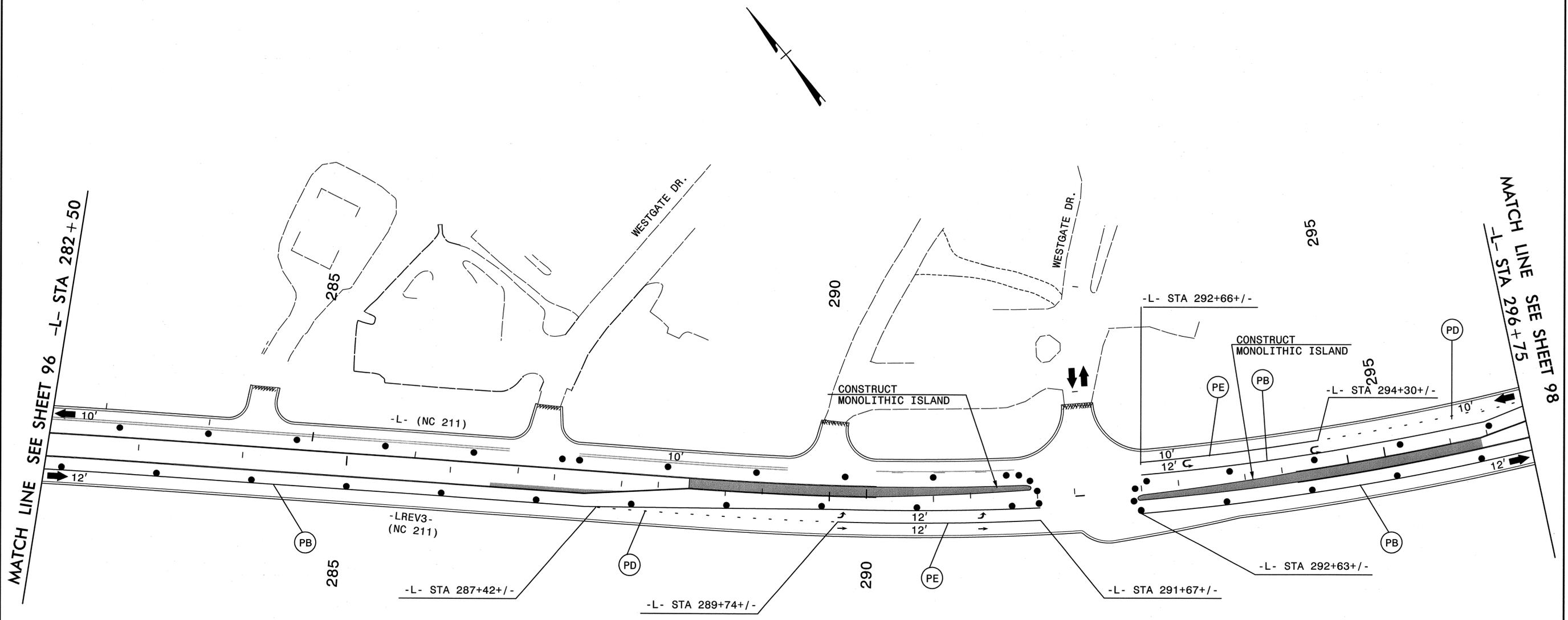
| | |
|--|----|
| | QA |
| | QC |
| | QE |
| | QT |

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

APPROVED: *Amada S. Cray* DATE: 6/15/11



DETAIL 9
PHASE IV TRAFFIC PATTERN



SYSTEM: DGN
 USER: JAC

PAVEMENT MARKING SYMBOLS

| | |
|--|----|
| | QA |
| | QC |
| | QT |

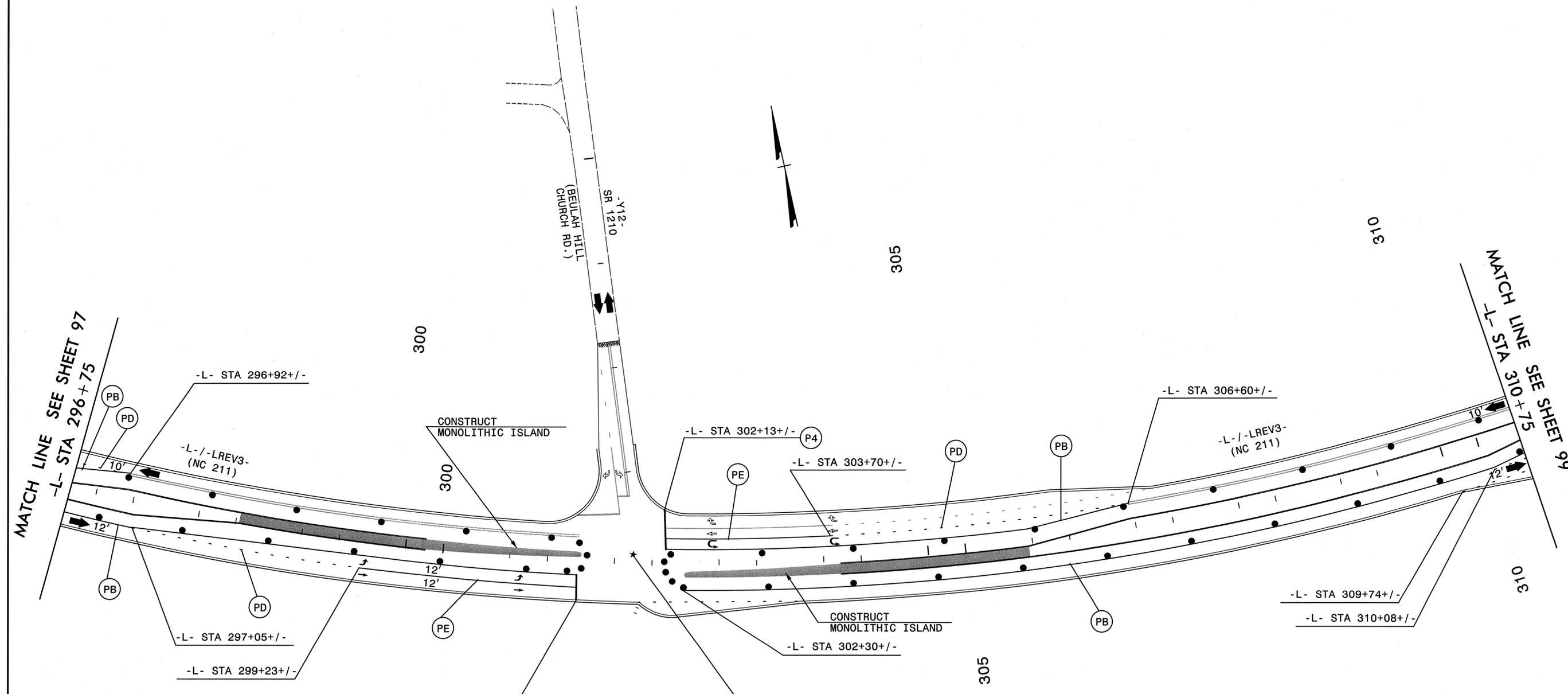
APPROVED: *Rhonda B. Early* DATE: 10/30/11

SEAL

NORTH CAROLINA PROFESSIONAL ENGINEER
 R. RONDA B. EARLY



DETAIL 10
 PHASE IV TRAFFIC PATTERN



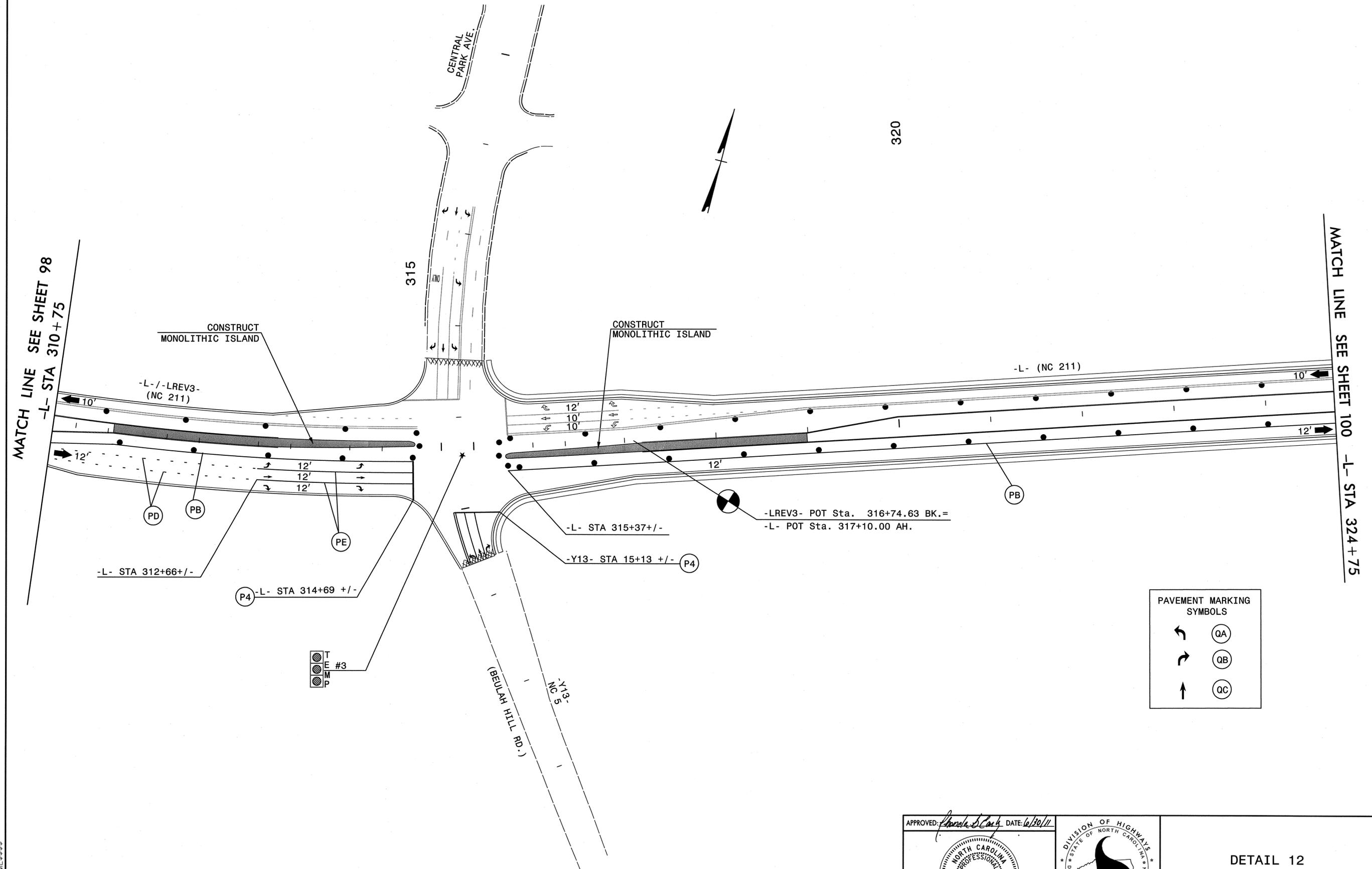
PAVEMENT MARKING SYMBOLS

| | |
|--|----|
| | QA |
| | QC |
| | QT |



\$\$\$\$SYTIME\$\$\$\$
 \$\$\$DDGN\$\$\$\$
 \$\$\$USERNAM\$\$\$\$

| | | |
|--|---|---|
| APPROVED: <i>[Signature]</i> DATE: <i>10/30/11</i> SEAL | DIVISION OF HIGHWAYS DEPARTMENT OF TRANSPORTATION WORK ZONE TRAFFIC CONTROL | DETAIL 11 PHASE IV TRAFFIC PATTERN |
|--|---|---|



| PAVEMENT MARKING SYMBOLS | |
|--------------------------|----|
| | QA |
| | QB |
| | QC |

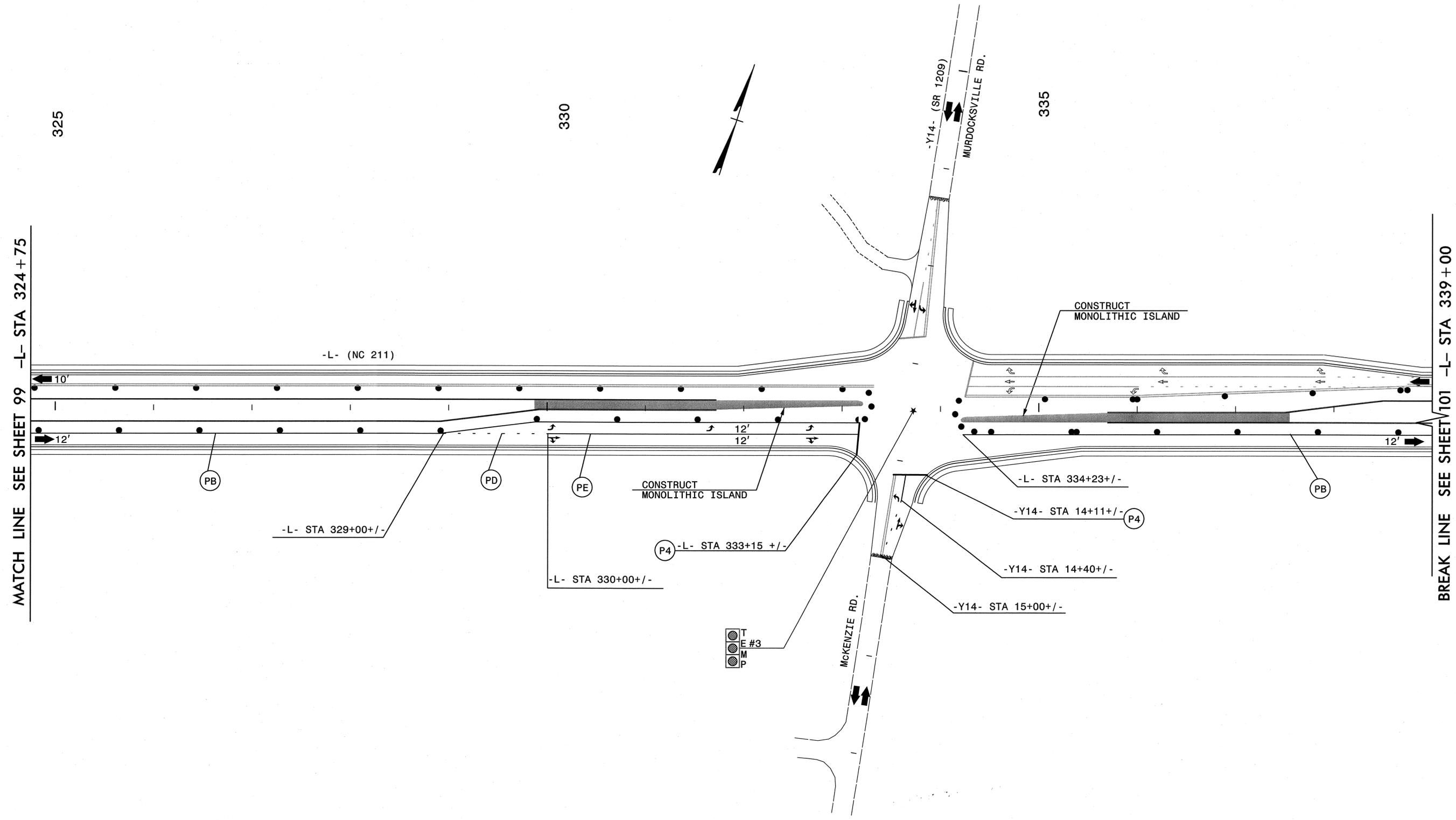
\$\$\$\$\$SYTIME\$\$\$\$\$
 \$\$\$\$\$\$DGN\$\$\$\$\$
 \$\$\$\$\$\$USERNAME\$\$\$\$\$

| | | |
|--|--|---|
| APPROVED: <i>[Signature]</i> DATE: 6/30/11 | | DETAIL 12 PHASE IV TRAFFIC PATTERN |
|--|--|---|



HNTB NORTH CAROLINA, P.C.
 343 E. Six Forks Road, Suite 200
 Raleigh, North Carolina 27609
 C-1554

| | |
|---------------------|-----------|
| PROJ. REFERENCE NO. | SHEET NO. |
| R-2812 | TMP-100 |



MATCH LINE SEE SHEET 99 -L- STA 324+75

BREAK LINE SEE SHEET 101 -L- STA 339+00

PAVEMENT MARKING SYMBOLS

| | |
|--|----|
| | QA |
| | QE |

APPROVED: *[Signature]* DATE: 9-1-11

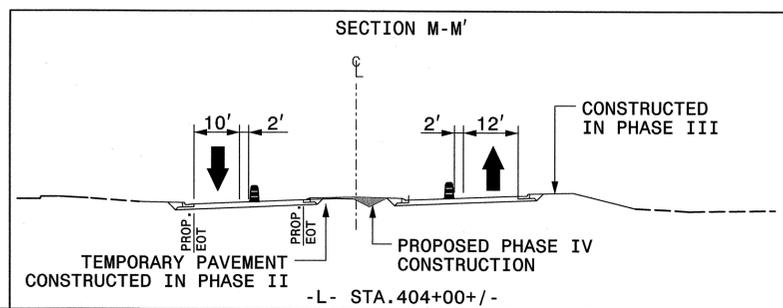
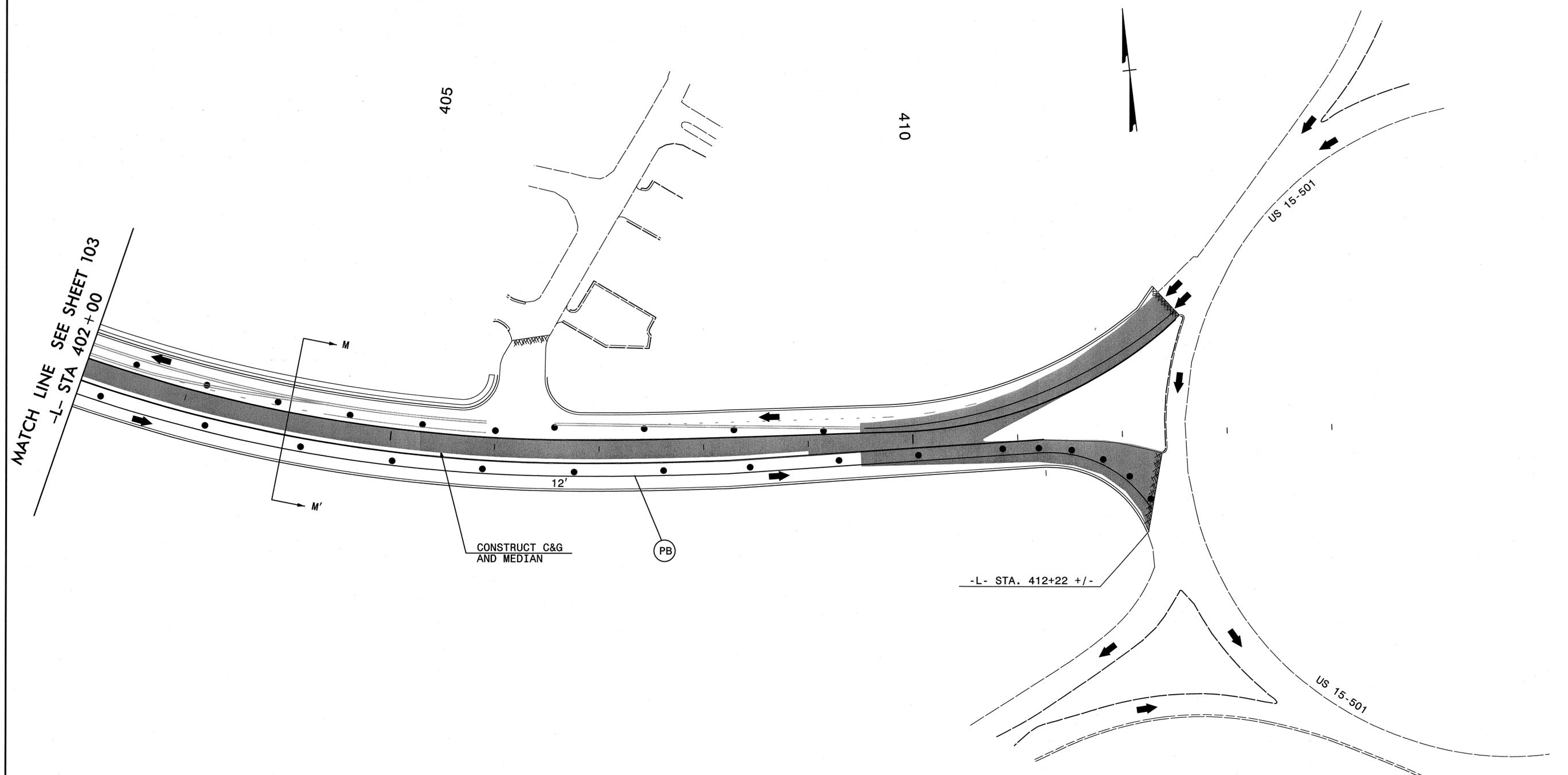
SEAL

NORTH CAROLINA PROFESSIONAL ENGINEER
 SEAL 023521
 RYONDA B. EARLY



DETAIL 13
 PHASE IV TRAFFIC PATTERN

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



APPROVED: *[Signature]* DATE: 6/15/11
 SEAL
 NORTH CAROLINA PROFESSIONAL ENGINEER
 SEAL 023521
 RONDA B. EARLY



DETAIL 17
 PHASE IV TRAFFIC PATTERN

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