

STATE OF NORTH CAROLINA  
DIVISION OF HIGHWAYS

**PLAN FOR PROPOSED  
TRAFFIC CONTROL  
CABARRUS COUNTY**

STATE PROJECT REFERENCE NO. U-5145	SHEET NO. TCP-1
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**LEGEND**

- GENERAL**
- ← DIRECTION OF TRAFFIC FLOW
  - NORTH ARROW
  - PROPOSED PVMT. - - - - - EXIST. PVMT.
  - WORK AREA
  - ▨ REMOVAL OF EXISTING PAVEMENT
- TRAFFIC CONTROL DEVICES**
- I TYPE I BARRICADE
  - II TYPE II BARRICADE
  - ▨ TYPE III BARRICADE
  - ▲ CONE
  - DRUM    ⊙ SKINNY DRUM
  - ⊙ FLASHING ARROW PANEL (TYPE C)
  - ⊥ STATIONARY SIGN
  - ⊏ PORTABLE SIGN
  - ⊐ STATIONARY OR PORTABLE SIGN
  - ~ CRASH CUSHION
  - ⊏ CHANGEABLE MESSAGE SIGN
  - ⊏ TRUCK MOUNTED IMPACT ATTENUATOR (TMIA)
  - ⊏ POLICE
  - ⊏ FLAGGER
- PAVEMENT MARKINGS**
- CRYSTAL/CRYSTAL PAVEMENT MARKER
  - ◆ YELLOW/YELLOW PAVEMENT MARKER
  - ▨ CRYSTAL/RED PAVEMENT MARKER
  - ↔ PAVEMENT MARKING SYMBOLS
  - ONLY PAVEMENT MARKING CHARACTERS

**ROADWAY STANDARD DRAWINGS**

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

STD. NO.	TITLE
1101.02	TEMPORARY LANE CLOSURES
1101.03	TEMPORARY ROAD CLOSURES
1101.04	TEMPORARY SHOULDER CLOSURES
1101.05	WORK ZONE VEHICLE ACCESSES
1101.11	TRAFFIC CONTROL DESIGN TABLES
1110.01	STATIONARY WORK ZONE SIGNS
1110.02	PORTABLE WORK ZONE SIGNS
1115.01	FLASHING ARROW PANELS
1130.01	DRUMS
1135.01	CONES
1145.01	BARRICADES
1150.01	FLAGGING DEVICES
1160.01	TEMPORARY CRASH CUSHION
1165.01	TRUCK MOUNTED IMPACT ATTENUATOR
1170.01	PORTABLE CONCRETE BARRIER
1180.01	SKINNY-DRUM
1205.01	PAVEMENT MARKINGS - LINE TYPES & OFFSETS
1205.02	PAVEMENT MARKINGS - 2 LANE & MULTILANE ROADWAYS
1205.04	PAVEMENT MARKINGS - INTERSECTIONS
1205.05	PAVEMENT MARKINGS - TURN LANES
1205.06	PAVEMENT MARKINGS - THRU LANE DROPS
1205.07	PAVEMENT MARKINGS - PEDESTRIAN CROSSWALKS
1205.08	PAVEMENT MARKINGS - SYMBOLS & WORD MESSAGES
1205.09	PAVEMENT MARKINGS - PAINTED ISLANDS
1205.12	PAVEMENT MARKINGS - BRIDGES

**INDEX OF SHEETS**

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TCP-3	TRAFFIC CONTROL PHASING
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TCP 5	PHASE I OVERVIEW
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TCP-7E	PHASE II - STEP 3 DETAIL SHEET

TIP PROJECT:U-5145

WBS 42729.3.1

**N.C.D.O.T. WORK ZONE TRAFFIC CONTROL UNIT LIST OF CONTACTS**

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PLAN PREPARED BY: STANTEC CONSULTING, INC.



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SEAL



Betsy L. Watson P.E.  
SIGNATURE  
November 24, 2009  
DATE



# 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 UNDESIRE OVERLAPPING OF DEVICES. MODIFICATION MAY INCLUDE: MOVING, SUPPLEMENTING, COVERING OR REMOVAL OF DEVICES, AS DIRECTED BY THE ENGINEER.

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

PROJECT REFERENCE NO. U-5145	SHEET NO. TCP - 2
APPROVED: <i>Betsy L. Watson</i>	
DATE: 3/30/2010	
 <p style="font-size: 8px;">Stantec Stantec Consulting Services Inc. 801 Jones Franklin Road Suite 300 Raleigh, NC 27603 Tel: (919) 851-6000 Fax: (919) 851-7224 www.stantec.com License No. F-0672</p>	

## LANE CLOSURE TIME RESTRICTIONS

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

ROAD NAME	DAY AND TIME RESTRICTIONS
ALL ROADS	6:00 A.M. - 9:00 A.M. MONDAY THRU FRIDAY 4:00 P.M. - 6:00 P.M. MONDAY THRU FRIDAY

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

- | ROAD NAME | HOLIDAY |
|-----------|---------|
| ALL ROADS |         |
- 1) FOR ANY UNEXPECTED OCCURRENCE THAT CREATES UNUSUALLY HIGH TRAFFIC VOLUMES, AS DIRECTED BY THE ENGINEER.
  - 2) FOR NEW YEAR'S, BETWEEN THE HOURS OF 6:00 P.M. DECEMBER 31st TO 6:00 A.M. JANUARY 2nd. IF NEW YEAR'S DAY IS ON A FRIDAY, SATURDAY, SUNDAY, OR MONDAY THEN UNTIL 6:00 A.M. THE FOLLOWING TUESDAY.
  - 3) FOR EASTER, BETWEEN THE HOURS OF 6:00 P.M. THURSDAY AND 6:00 A.M. MONDAY.
  - 4) FOR MEMORIAL DAY, BETWEEN THE HOURS OF 6:00 P.M. FRIDAY TO 6:00 A.M. TUESDAY.
  - 5) FOR INDEPENDENCE DAY, BETWEEN THE HOURS OF 6:00 P.M. THE DAY BEFORE INDEPENDENCE DAY AND 6:00 A.M. THE DAY AFTER INDEPENDENCE DAY. IF INDEPENDENCE DAY IS ON A FRIDAY, SATURDAY, SUNDAY OR MONDAY; THEN BETWEEN THE HOURS OF 6:00 P.M. THE THURSDAY BEFORE INDEPENDENCE DAY AND 6:00 A.M. THE TUESDAY AFTER INDEPENDENCE DAY.
  - 6) FOR LABOR DAY, BETWEEN THE HOURS OF 6:00 P.M. FRIDAY AND 6:00 A.M. TUESDAY.
  - 7) FOR THANKSGIVING DAY, BETWEEN THE HOURS OF 6:00 P.M. TUESDAY TO 6:00 A.M. MONDAY.
  - 8) FOR CHRISTMAS, BETWEEN THE HOURS OF 6:00 P.M. THE FRIDAY BEFORE THE WEEK OF CHRISTMAS DAY AND 6:00 A.M. THE FOLLOWING TUESDAY AFTER THE WEEK OF CHRISTMAS.
  - 9) FOR THE COCA-COLA 600 RACE EVENT, BETWEEN THE HOURS OF 12:00 A.M. SATURDAY TWO WEEKS BEFORE THE DAY OF THE EVENT AND 6:00 A.M. THE FOLLOWING TUESDAY AFTER THE EVENT.
  - 10) FOR THE BANK OF AMERICA 500 RACE EVENT, BETWEEN THE HOURS OF 12:00 A.M. SATURDAY ONE WEEK BEFORE THE DAY OF THE EVENT AND 6:00 A.M. THE FOLLOWING MONDAY AFTER THE EVENT.
  - 11) FOR THE SPRING AND FALL AUTOFAIR EVENTS, BETWEEN THE HOURS OF 12:00 A.M. OF THE FIRST DAY OF THE EVENT AND 6:00 A.M. THE FOLLOWING MONDAY AFTER THE EVENT. THE AUTOFAIR EVENTS ARE HELD ANNUALLY IN APRIL AND AUGUST.
  - 12) FOR THE THREE ZMAX DRAGWAY EVENTS IN MARCH, APRIL AND SEPTEMBER, BETWEEN THE HOURS OF 12:00 A.M. ONE DAY PRIOR TO THE START OF THE EVENT AND 6:00 A.M. THE FOLLOWING MONDAY AFTER THE EVENT.

### C) DO NOT CONDUCT SINGLE OR MULTI-VEHICLE HAULING AS FOLLOWS:

ROAD NAME	DAY AND TIME RESTRICTIONS
ALL ROADS	6:00 A.M. - 9:00 A.M. MONDAY THRU FRIDAY 4:00 P.M. - 6:00 P.M. MONDAY THRU FRIDAY

### D) DO NOT CONDUCT ANY HAULING OPERATIONS AGAINST THE FLOW OF TRAFFIC OF AN OPEN TRAVELWAY UNLESS THE HAULING OPERATION IS PROTECTED BY BARRIER OR GUARDRAIL OR AS DIRECTED BY THE ENGINEER.

## LANE AND SHOULDER CLOSURE REQUIREMENTS

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

WHEN PERSONNEL AND/OR EQUIPMENT ARE WORKING ON THE SHOULDER ADJACENT TO A DIVIDED FACILITY AND WITHIN 10 FT OF AN OPEN TRAVEL LANE, CLOSE THE NEAREST OPEN TRAVEL LANE USING ROADWAY STANDARD DRAWING NO. 1101.02 UNLESS THE WORK AREA IS PROTECTED BY BARRIER OR GUARDRAIL.
- H) WHEN PERSONNEL AND/OR EQUIPMENT ARE WORKING WITHIN A LANE OF TRAVEL OF AN UNDIVIDED OR DIVIDED FACILITY, CLOSE THE LANE ACCORDING TO THE TRAFFIC CONTROL PLANS, ROADWAY STANDARD DRAWINGS OR AS DIRECTED BY THE ENGINEER. CONDUCT THE WORK SO THAT ALL PERSONNEL AND/OR EQUIPMENT REMAIN WITHIN THE CLOSED TRAVEL LANE.
- I) DO NOT WORK SIMULTANEOUSLY WITHIN 15 FT ON BOTH SIDES OF AN OPEN TRAVELWAY RAMP OR LOOP WITHIN THE SAME LOCATION UNLESS PROTECTED WITH GUARDRAIL OR BARRIER.
- J) DO NOT INSTALL MORE THAN ONE LANE CLOSURE, IN ANY ONE DIRECTION, ON MOREHEAD RD.

## PAVEMENT EDGE DROP OFF REQUIREMENTS

- K) BACKFILL AT A 6:1 SLOPE UP TO THE EDGE AND ELEVATION OF EXISTING PAVEMENT IN AREAS ADJACENT TO AN OPENED TRAVEL LANE THAT HAS AN EDGE OF PAVEMENT DROP-OFF AS FOLLOWS:
  - BACKFILL DROP-OFFS THAT EXCEED 2 INCHES ON ROADWAYS WITH POSTED SPEED LIMITS OF 45 MPH OR GREATER.
  - BACKFILL DROP-OFFS THAT EXCEED 3 INCHES ON ROADWAYS WITH POSTED SPEED LIMITS LESS THAN 45 MPH.
  - BACKFILL WITH SUITABLE COMPACTED MATERIAL, AS APPROVED BY THE ENGINEER, AT NO EXPENSE TO THE DEPARTMENT
- L) DO NOT EXCEED A DIFFERENCE OF 2 INCHES IN ELEVATION BETWEEN OPEN LANES OF TRAFFIC FOR NOMINAL LIFTS OF 1.5 INCHES. INSTALL ADVANCE WARNING "UNEVEN LANES" SIGNS (W8-11) IN ADVANCE AND A MINIMUM OF EVERY HALF MILE THROUGHOUT THE UNEVEN AREA.

## TRAFFIC PATTERN ALTERATIONS

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

## SIGNING

- N) INSTALL ADVANCE WORK ZONE WARNING SIGNS WHEN WORK IS WITHIN 40 FT FROM THE EDGE OF TRAVEL LANE AND NO MORE THAN THREE(3) DAYS PRIOR TO THE BEGINNING OF CONSTRUCTION.
- O) PROVIDE PERMANENT SIGNING.
- P) PROVIDE DETOUR SIGNING WITHIN AND/OR OFF THE PROJECT LIMITS.
- Q) COVER OR REMOVE ALL DETOUR SIGNS OUTSIDE THE PROJECT LIMITS WHEN A DETOUR IS NOT IN OPERATION.
- R) ENSURE ALL NECESSARY SIGNING IS IN PLACE PRIOR TO ALTERING ANY TRAFFIC PATTERN.
- S) INSTALL BLACK ON ORANGE "DIP" SIGNS (W8-2) AND/OR "BUMP" SIGNS (W8-1) 500 FT. IN ADVANCE OF THE UNEVEN AREA, OR AS DIRECTED BY THE ENGINEER.

3/30/2010 U:\Trg\Flic\003\_Morehead\TrafficControl\TCP\Plan\_Sheets\17000732\_MH\_TCP\_psh02.dgn gkar:dgear:ge

TRAFFIC CONTROL PLAN
GENERAL NOTES

PROJECT REFERENCE NO. U-5145	SHEET NO. TCP-2A
APPROVED: <i>Betsy L. Watson</i>	
DATE: <i>November 24, 2009</i>	
 <b>Stantec</b> <small>Stantec Consulting Services Inc.  801 Jones Franklin Road  Suite 300  Raleigh, NC 27606  Tel: (919) 851-4000  Fax: (919) 851-7024  www.stantec.com  License No. F-3672</small>	SEAL 

## GENERAL NOTES

### TRAFFIC CONTROL DEVICES

- T) UNLESS OTHERWISE NOTED IN THE PLANS, SPACE CHANNELIZING DEVICES IN WORK AREAS NO GREATER THAN TWICE THE POSTED SPEED LIMIT (MPH), EXCEPT 10 FT ON-CENTER IN RADII, AND 3 FT OFF THE EDGE OF AN OPEN TRAVELWAY, WHEN LANE CLOSURES ARE NOT IN EFFECT. WHEN SKINNY DRUMS ARE ALLOWED, REFER TO SECTION 1180 OF STANDARD SPECIFICATIONS FOR ROADS AND STRUCTURES OR AS SHOWN IN THE PLANS.
- U) PLACE TYPE III BARRICADES, WITH "ROAD CLOSED" SIGN R11-2 ATTACHED, OF SUFFICIENT LENGTH TO CLOSE ENTIRE ROADWAY.
- V) PLACE ADDITIONAL SETS OF THREE CHANNELIZING DEVICES PERPENDICULAR TO THE EDGE OF TRAVELWAY ON 500 FT CENTERS WHEN UNOPENED LANES ARE CLOSED TO TRAFFIC.

### PAVEMENT MARKINGS AND MARKERS

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

ROAD NAME	MARKING	MARKER
ALL ROADS	PAINT	NONE

- X) PLACE ONE APPLICATION OF PAINT FOR TEMPORARY TRAFFIC PATTERNS. PLACE A SECOND APPLICATION OF PAINT SIX (6) MONTHS AFTER THE INITIAL APPLICATION AND EVERY SIX MONTHS AS DIRECTED BY THE ENGINEER.
- Y) TIE PROPOSED PAVEMENT MARKING LINES TO EXISTING PAVEMENT MARKING LINES.
- Z) REMOVE/REPLACE ANY CONFLICTING/DAMAGED PAVEMENT MARKINGS AND MARKERS BY THE END OF EACH DAY'S OPERATION.

### TRAFFIC SIGNALS

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

### MISCELLANEOUS

- CC) LAW ENFORCEMENT OFFICERS MAY BE USED TO MAINTAIN TRAFFIC THROUGH THE WORK AREA AND/OR INTERSECTIONS AS DIRECTED BY THE ENGINEER.
- DD) ALL SIGN SPACING DIMENSIONS ARE APPROXIMATE; FIELD ADJUST AS NECESSARY OR AS DIRECTED.
- EE) MAINTAIN DRIVEWAY ACCESS WITHIN PROJECT LIMITS USING INCIDENTAL STONE.
- FF) THE CONTRACTOR IS TO FURNISH, INSTALL, MAINTAIN, RELOCATE AND REMOVE CHANGEABLE MESSAGE SIGNS DURING VARIOUS STAGES OF CONSTRUCTION AT THE DISCRETION OF THE ENGINEER TO ADEQUATELY INFORM MOTORISTS OF CHANGING WORK ZONE CONDITIONS.
- GG) PLACE ALL CHANGEABLE MESSAGE SIGNS AS NEEDED IN THE LOCATIONS AND WITH THE WORD MESSAGES AS SHOWN IN THE TCP OR AS DIRECTED BY THE ENGINEER TO PROVIDE ADVANCE WARNING TO THE PUBLIC DURING CONSTRUCTION.
- HH) COMPLETE ANY PROPOSED OR TEMPORARY WIDENING IN SUCH A MANNER THAT PONDING OF WATER WILL NOT OCCUR IN THE TRAVEL LANE.
- II) USE TYPE III BARRICADES WITH SIDEWALK CLOSED SIGNS (R9-9) DURING CONSTRUCTION OF SIDEWALKS AND WHEEL CHAIR RAMPS.
- JJ) NATURAL BARRIERS DURING CONSTRUCTION CREATES A SITUATION THAT MEETS THE WARRANTS FOR GUARDRAIL AS DESCRIBED IN THE NCDOT ROADWAY DESIGN MANUAL OR AS DIRECTED BY THE ENGINEER.
- KK) MAINTAIN EXISTING GUARDRAIL UNTIL PROPOSED FILL SLOPES ARE COMPLETED TO THE POINT THAT FIELD CONDITIONS NO LONGER MEET GUARDRAIL WARRANTS AS DESCRIBED IN THE NCDOT ROADWAY DESIGN MANUAL OR AS DIRECTED BY THE ENGINEER.
- LL) REFER TO FINAL PAVEMENT MARKING PLAN (PMP) FOR LOCATIONS OF WHEEL CHAIR RAMPS.

TRAFFIC CONTROL PLAN

GENERAL NOTES

PROJECT REFERENCE NO. U-5145	SHEET NO. TCP - 2B
APPROVED: <i>Betsy L. Watson</i>	
DATE: <i>November 24, 2009</i>	
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TEMPORARY PAVEMENT MARKING SCHEDULE				
SYMBOL	DESCRIPTION	TOTAL QUANTITY	UNIT	PAY ITEM QUANTITY
PAINT PAVEMENT MARKING LINES, (4")		28,411	LF	
PA	WHITE EDGELINE			10,000
PB	YELLOW EDGELINE			3,200
PC	10 FT. WHITE SKIP			7,100
PD	2 FT. WHITE MINISKIP			1,011
PE	WHITE SOLID LANE LINE			3,200
PF	10 FT. YELLOW SKIP			300
PH	YELLOW SINGLE CENTER			1,200
PI	YELLOW DOUBLE CENTER			2,400
PAINT PAVEMENT MARKING LINES, (8")		150	LF	
PV	YELLOW DIAGONAL			150
PAINT PAVEMENT MARKING LINES, (24")		200	LF	
P4	WHITE STOPBAR			200
PAINT PAVEMENT MARKING SYMBOLS		38	EA	
QA	LEFT TURN ARROW			12
QB	RIGHT TURN ARROW			8
QC	STRAIGHT ARROW			18
PAINT PAVEMENT MARKING CHARACTERS		16	EA	
QI	ALPHANUMERIC CHARACTERS			16

NOTE: PAINT QUANTITIES INCLUDE 2 APPLICATIONS

**TRAFFIC CONTROL PLAN**

TEMPORARY PAVEMENT MARKING  
SCHEDULE & SUMMARY OF QUANTITIES

PROJECT REFERENCE NO.	SHEET NO.
U-5145	TCP-3
APPROVED: <i>Betsy L. Watson</i>	
DATE: <i>January 26, 2010</i>	
 <b>Stantec</b> Stantec Consulting Services Inc. 857 James Franklin Road Suite 300 Raleigh, NC 27606 Tel: (919) 851-4200 Fax: (919) 851-7024 www.stantec.com License No. F-5672	SEAL 

# TRAFFIC CONTROL PHASING

PRIOR TO BEGINNING ANY CONSTRUCTION OPERATIONS, INSTALL WORK ZONE ADVANCE WARNING SIGNS AS SHOWN ON TCP-4.

## PHASE I (TCP 5, 5A-5C)

CONSTRUCT PROPOSED MOREHEAD RD. FROM 125+30 - 163+00 UP TO BUT NOT INCLUDING THE FINAL LAYER OF SURFACE COURSE AND UP TO THE EDGE AND ELEVATION OF EXISTING PAVEMENT (EEOEP). CONSTRUCT AS MUCH AS POSSIBLE OF THE PROPOSED CURB & GUTTER THAT CAN BE CONSTRUCTED AWAY FROM EXISTING TRAFFIC. NOTE THAT LEFT SIDE AND MEDIAN CURB & GUTTER SECTIONS IN THE TIE-IN AREAS ARE OMITTED AT THIS TIME AND ARE TO BE CONSTRUCTED AS DESCRIBED IN PHASE II - STEP 2.

BEGIN PROPOSED DRAINAGE UNDER THE EXISTING PAVEMENT BETWEEN STA. 126+00-129+00 -L-. CONSTRUCT AS MUCH AS POSSIBLE BEFORE ROAD CLOSURE IS IMPLEMENTED IN PHASE II-STEP 1.

CONSTRUCT TRAM RD. Y3/Y4 AS MUCH AS POSSIBLE AWAY FROM TRAFFIC CONSTRUCTING UP TO BUT NOT INCLUDING THE FINAL LAYER OF SURFACE COURSE AND UP TO THE EEOEP.

### INTERMEDIATE CONTRACT TIME SPECIAL PROVISION

REMOVE TWO OF THE EXISTING OVERHEAD REVERSIBLE SIGN STRUCTURES ON EXISTING MOREHEAD RD. AT 127+50 & 157+50 -L- (TCP 5A, 5C) USING RSD 1101.03 SHEET 9 OF 9. COMPLETE THE WORK OF REMOVING THE TWO OVERHEAD SIGN STRUCTURES IN A CONTINUOUS OPERATION BETWEEN THE HOURS OF 11:59 P.M. FRIDAY (MIDNIGHT) AND 6:00 A.M. THE FOLLOWING MONDAY.

## PHASE II (TCP 4A, 6 - 6C AND 7A-7D)

### INTERMEDIATE CONTRACT TIME SPECIAL PROVISION

COMPLETE THE WORK REQUIRED OF PHASE II STEP 1 (A-D) IN A CONTINUOUS OPERATION BETWEEN THE HOURS OF 11:59 P.M. FRIDAY (MIDNIGHT) AND 6:00 A.M. THE FOLLOWING MONDAY.

### STEP 1:(TCP 4A, 6, 6A-6C)

- A) CLOSE EXISTING MOREHEAD RD. AND LANDFILL RD.(Y5). DIRECT MOREHEAD RD. TRAFFIC TO USE HUDSPETH ROAD AS A DETOUR ROUTE AS SHOWN ON TCP-4A. LANDFILL RD.(Y5) TRAFFIC IS DETOURED VIA VICTORY LANE.
- B) BEHIND ROAD CLOSURE COMPLETE DRAINAGE WORK AND CONSTRUCT PROPOSED MOREHEAD RD. (L) TIE-INS UP TO BUT NOT INCLUDING THE FINAL LAYER OF SURFACE COURSE (TCP 6, 6A-6C). BEGIN CONSTRUCTION OF LANDFILL RD.(Y5).
- C) PLACE TEMPORARY PAVEMENT MARKINGS AND TRAFFIC CONTROL DEVICES ON PROPOSED MOREHEAD RD. (L) (TCP 7A-7D)
- D) REMOVE ROAD CLOSURE AND OPEN PROPOSED MOREHEAD RD. (L) TO THE TRAFFIC PATTERN SHOWN ON SHEETS TCP 7A-7D. LANDFILL RD.(Y5) REMAINS CLOSED UNTIL CONSTRUCTION IS COMPLETE.
- E) CONTINUE LANDFILL RD.(Y5) CONSTRUCTION IN A CONTINUOUS OPERATION CONSTRUCTING UP TO BUT NOT INCLUDING THE FINAL LAYER OF SURFACE COURSE. UPON COMPLETION OF CURB & GUTTER AND PAVING REPLACE EXISTING PAVEMENT MARKINGS WITH TEMPORARY PAINT MARKINGS AND OPEN Y5 TO TRAFFIC.

### STEP 2:(TCP 7, 7A-7D)

WITH TRAFFIC OPERATING ON PROPOSED MOREHEAD RD. COMPLETE CATCH BASINS AND LEFT SIDE CURB & GUTTER AT STATIONS 125+40-134+00 AND 156+00-161+27. COMPLETE CATCH BASINS AND REMAINDER OF MEDIAN CURB AND GUTTER BETWEEN 128+00-131+40. COMPLETE REMAINING TIE-IN CONSTRUCTION SUCH AS EMBANKMENTS, PAVEMENT OBLITERATION, DRAINAGE AND GUARDRAIL.

COMPLETE TRAM RD. Y3/Y4 UP TO BUT NOT INCLUDING THE FINAL LAYER OF SURFACE COURSE.

STEP 3 MAY BE PERFORMED CONCURRENTLY WITH STEP 2.

### STEP 3:(TCP 7, 7A-7E)

CLOSE SECTION OF EXISTING RING RD. Y6 AT AND DETOUR RING RD. TRAFFIC AS SHOWN ON SHEETS TCP 7A-7C. BEGIN CONSTRUCTION OF PROPOSED RING RD. -Y6- THAT CAN BE CONSTRUCTED AWAY FROM TRAFFIC AND CONSTRUCT -Y7- AND RETAINING WALL. ONCE Y6 HAS PROGRESSED SHIFT Y6 TRAFFIC TO PROPOSED Y6 AND COMPLETE THE REMAINDER OF Y6 RIGHT SIDE AND REMOVAL OF EXISTING MOREHEAD RD. PAVEMENT AS SHOWN ON SHEET TCP-7E.

REMOVE THE THREE REMAINING EXISTING OVERHEAD REVERSIBLE SIGN STRUCTURES AT EXISTING MOREHEAD RD.

## PHASE III

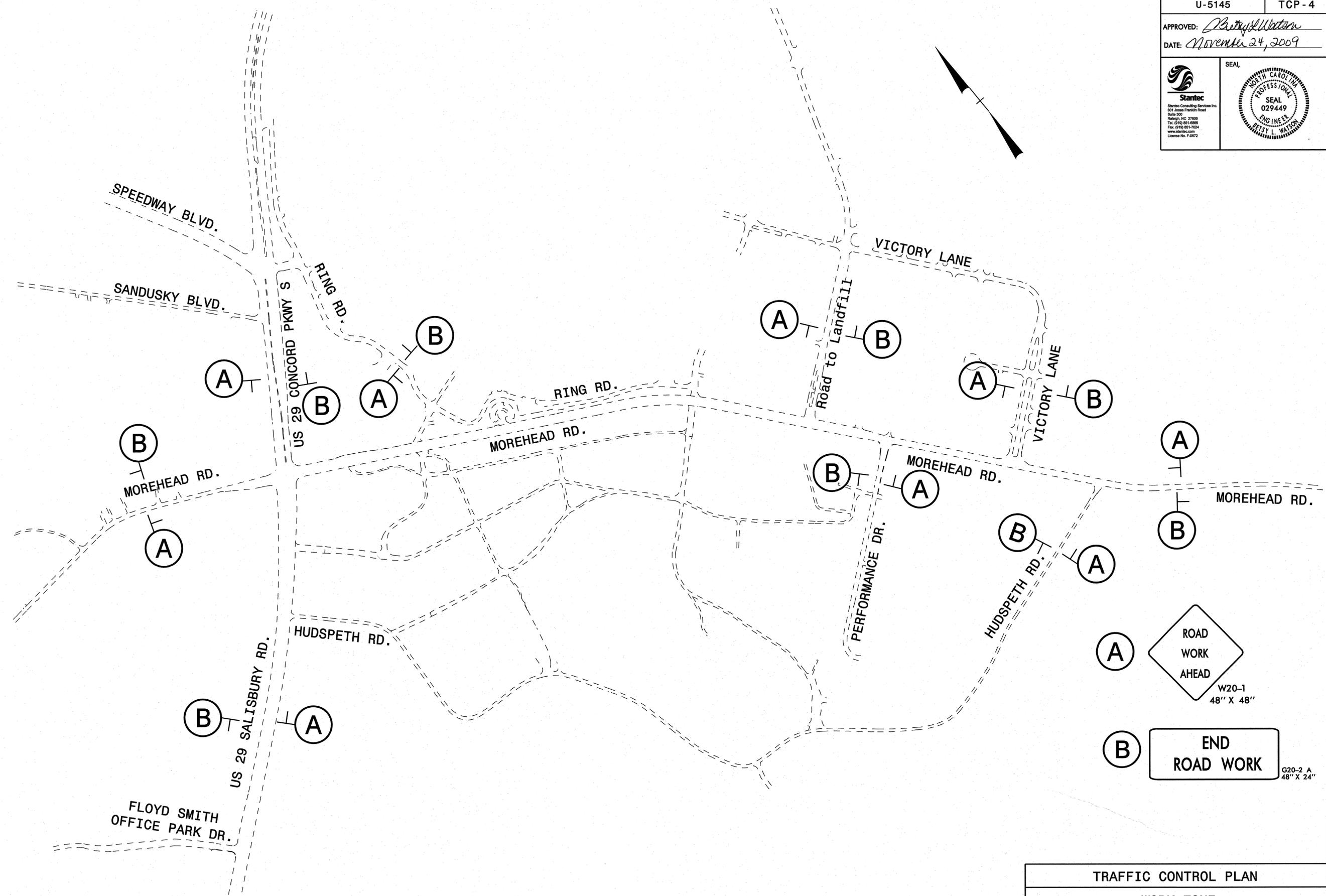
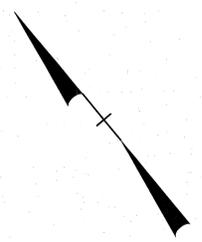
FOR THE WORK IN PHASE III USE LANE CLOSURES ON MOREHEAD RD.. CLOSE LANES AS REQUIRED BY PLACING DRUMS TO CLOSE LANES BEFORE THEY DEVELOP.

UPON COMPLETION OF ALL OTHER CONSTRUCTION OPERATIONS PAVE THE FINAL LAYER OF SURFACE COURSE.

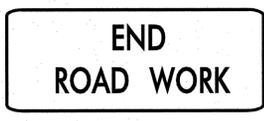
PLACE FINAL PAVEMENT MARKINGS ON MOREHEAD RD. , TRAM RD. Y3/Y4 AND RING ROAD Y6 AS SHOWN IN THE FINAL PAVEMENT MARKING PLAN (PMP).

TRAFFIC CONTROL PLAN
TRAFFIC CONTROL PHASING

PROJECT REFERENCE NO. U-5145	SHEET NO. TCP - 4
APPROVED: <i>Betsy L. Watson</i>	
DATE: <i>November 24, 2009</i>	
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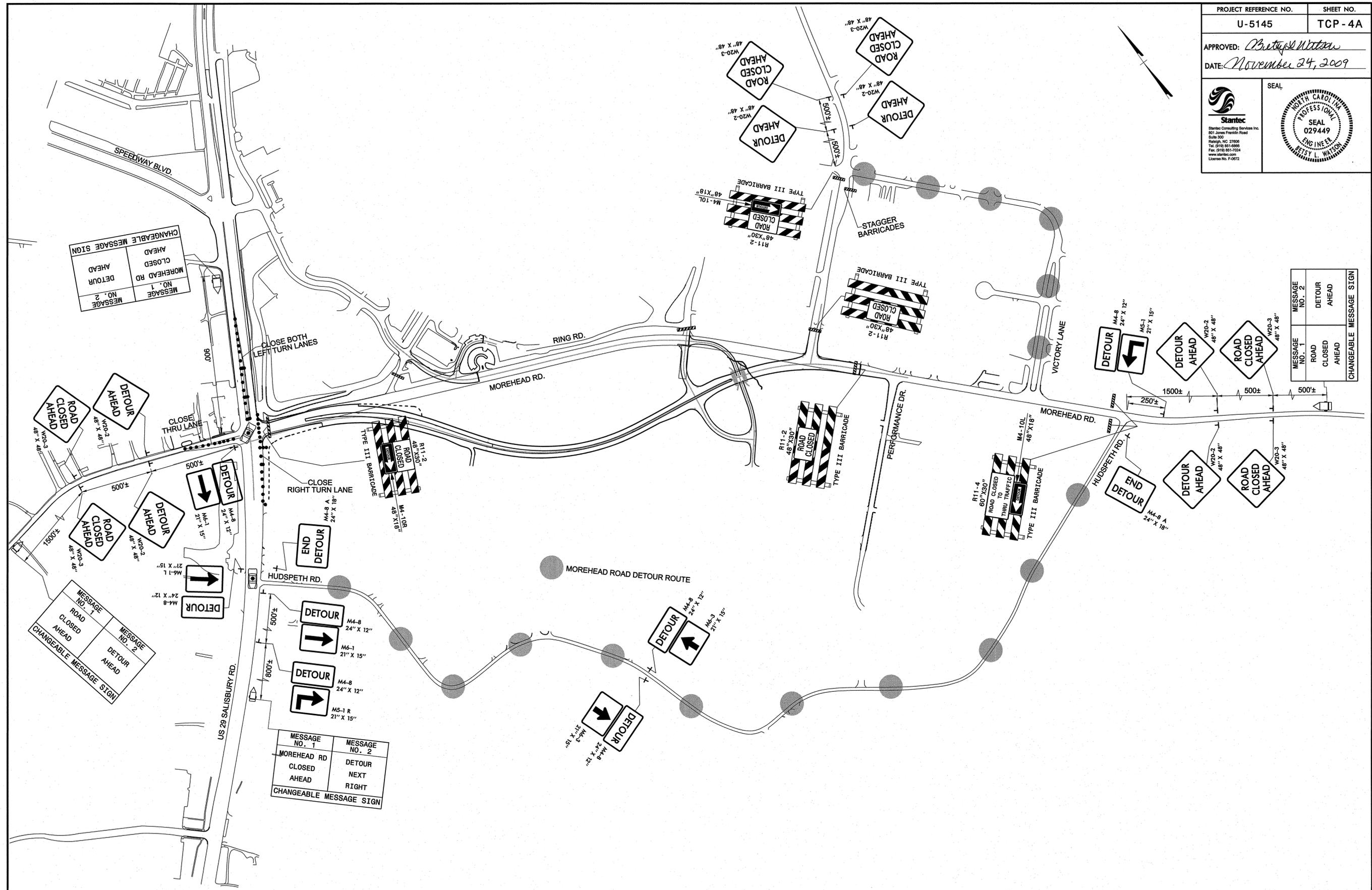
(A)  ROAD WORK AHEAD  
 W20-1  
 48" X 48"

(B)  END ROAD WORK  
 G20-2 A  
 48" X 24"

TRAFFIC CONTROL PLAN  
 WORK ZONE  
 ADVANCE WARNING SIGNS

11/23/2009  
 us:\traffic\003\_morehead\trafficcontrol\tcp\plan\_sheets\71000732\_MH\_TCP\_psh04.dgn  
 rcullen

PROJECT REFERENCE NO. U-5145	SHEET NO. TCP - 4A
APPROVED: <i>Bret Watson</i>	
DATE: <i>November 24, 2009</i>	
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CHANGEABLE MESSAGE SIGN	ROAD CLOSED AHEAD
MESSAGE NO. 1	DETOUR AHEAD
MESSAGE NO. 2	DETOUR AHEAD
MESSAGE NO. 1	MOREHEAD RD CLOSED AHEAD
MESSAGE NO. 2	MOREHEAD RD DETOUR AHEAD

MESSAGE NO. 1	ROAD CLOSED AHEAD
MESSAGE NO. 2	DETOUR AHEAD
CHANGEABLE MESSAGE SIGN	ROAD CLOSED AHEAD
CHANGEABLE MESSAGE SIGN	DETOUR AHEAD

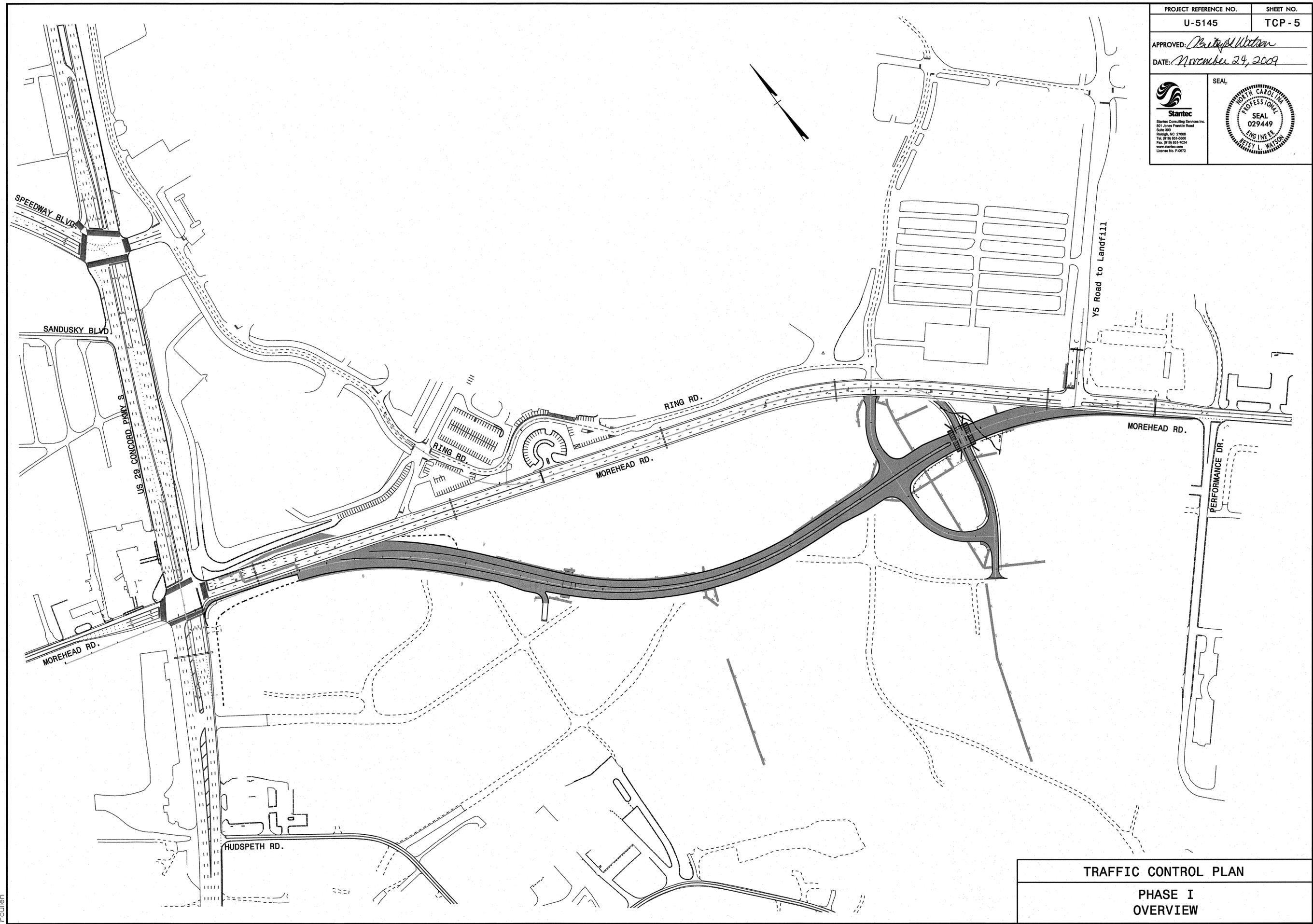
MESSAGE NO. 1	MESSAGE NO. 2
MOREHEAD RD CLOSED AHEAD	DETOUR NEXT RIGHT
CHANGEABLE MESSAGE SIGN	CHANGEABLE MESSAGE SIGN

MESSAGE NO. 1	ROAD CLOSED AHEAD
MESSAGE NO. 2	DETOUR AHEAD
CHANGEABLE MESSAGE SIGN	CHANGEABLE MESSAGE SIGN

TRAFFIC CONTROL PLAN  
 MOREHEAD ROAD  
 ROAD CLOSURE-HUDSPETH RD. DETOUR

11/23/2009  
 Us:\TrafficControl\TCP\Plan\_Sheets\17000732\_MH\_TCP\_psh04A.dgn  
 r.cullen

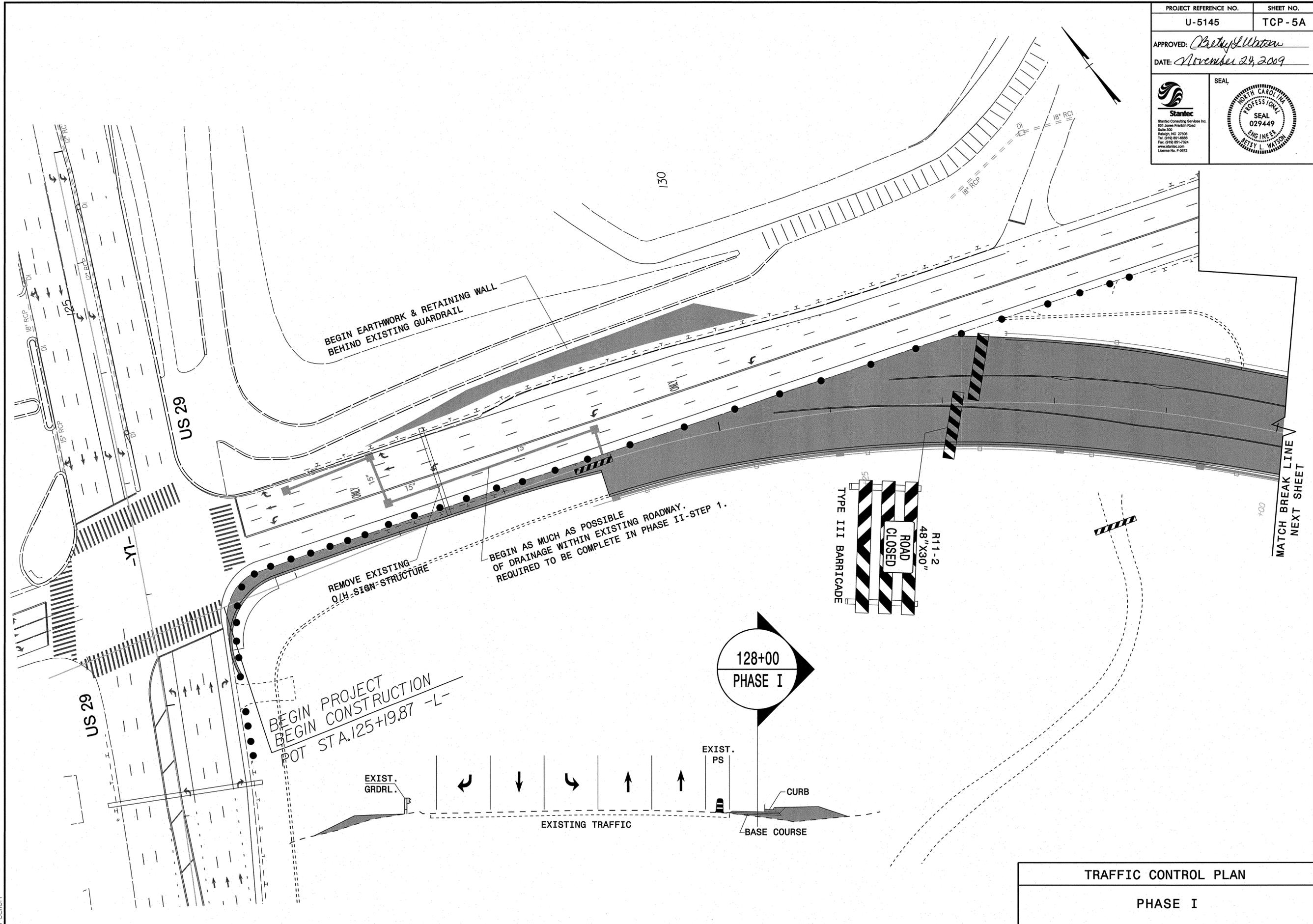
PROJECT REFERENCE NO. U-5145	SHEET NO. TCP - 5
APPROVED: <i>Christy Watson</i>	
DATE: November 24, 2009	
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<b>TRAFFIC CONTROL PLAN</b>  <b>PHASE I</b> <b>OVERVIEW</b>
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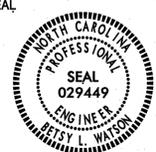
PROJECT REFERENCE NO. U-5145	SHEET NO. TCP-5A
APPROVED: <i>Betsy Watson</i>	
DATE: <i>November 24, 2009</i>	
 <b>Stantec</b> Stantec Consulting Services Inc. 801 Jones Franklin Road Suite 300 Raleigh, NC 27606 Tel: (919) 851-4999 Fax: (919) 851-7024 www.stantec.com License No. F-9672	SEAL  Betsy L. Watson ENGINEER License No. 029449

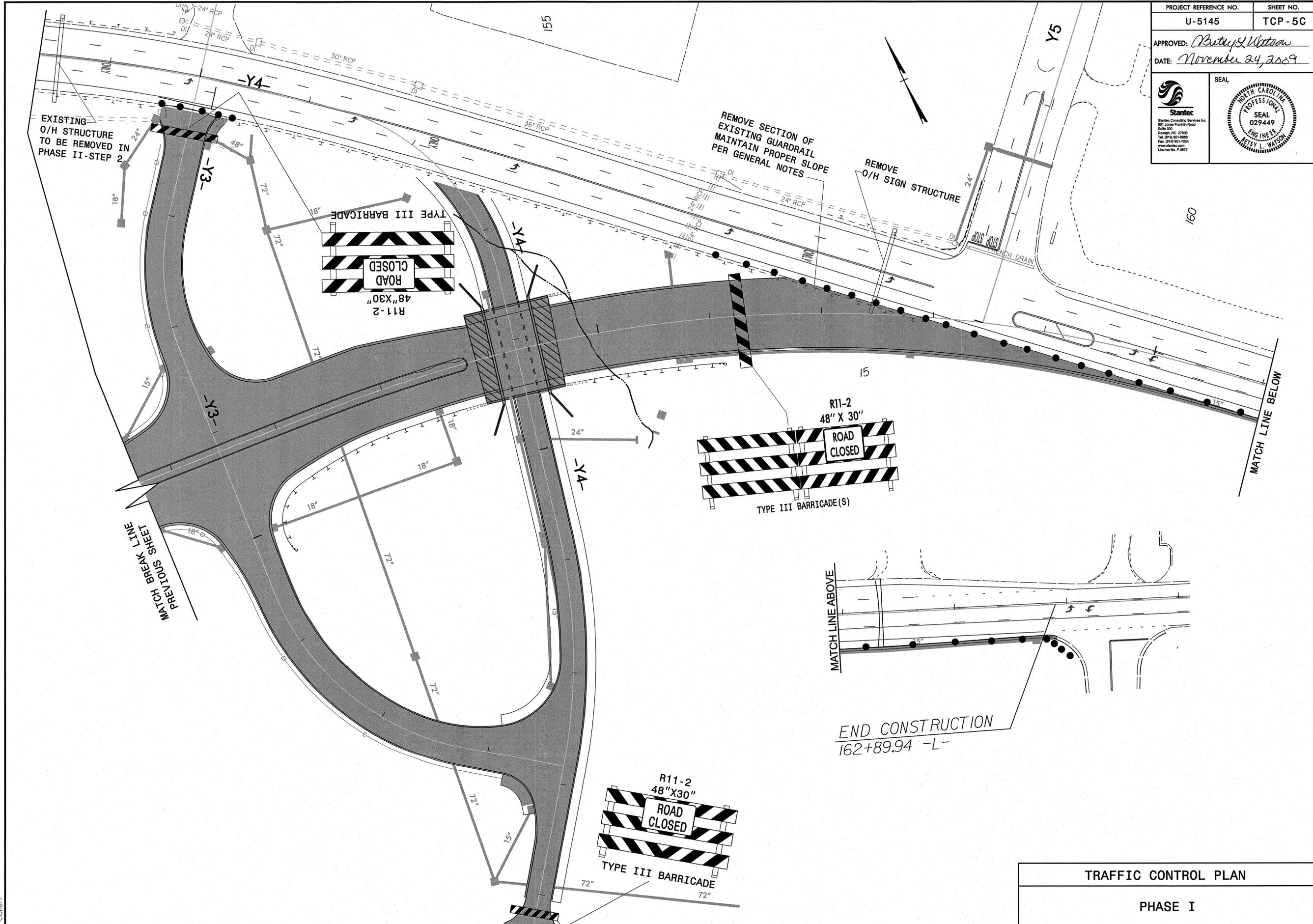


**TRAFFIC CONTROL PLAN**  
**PHASE I**

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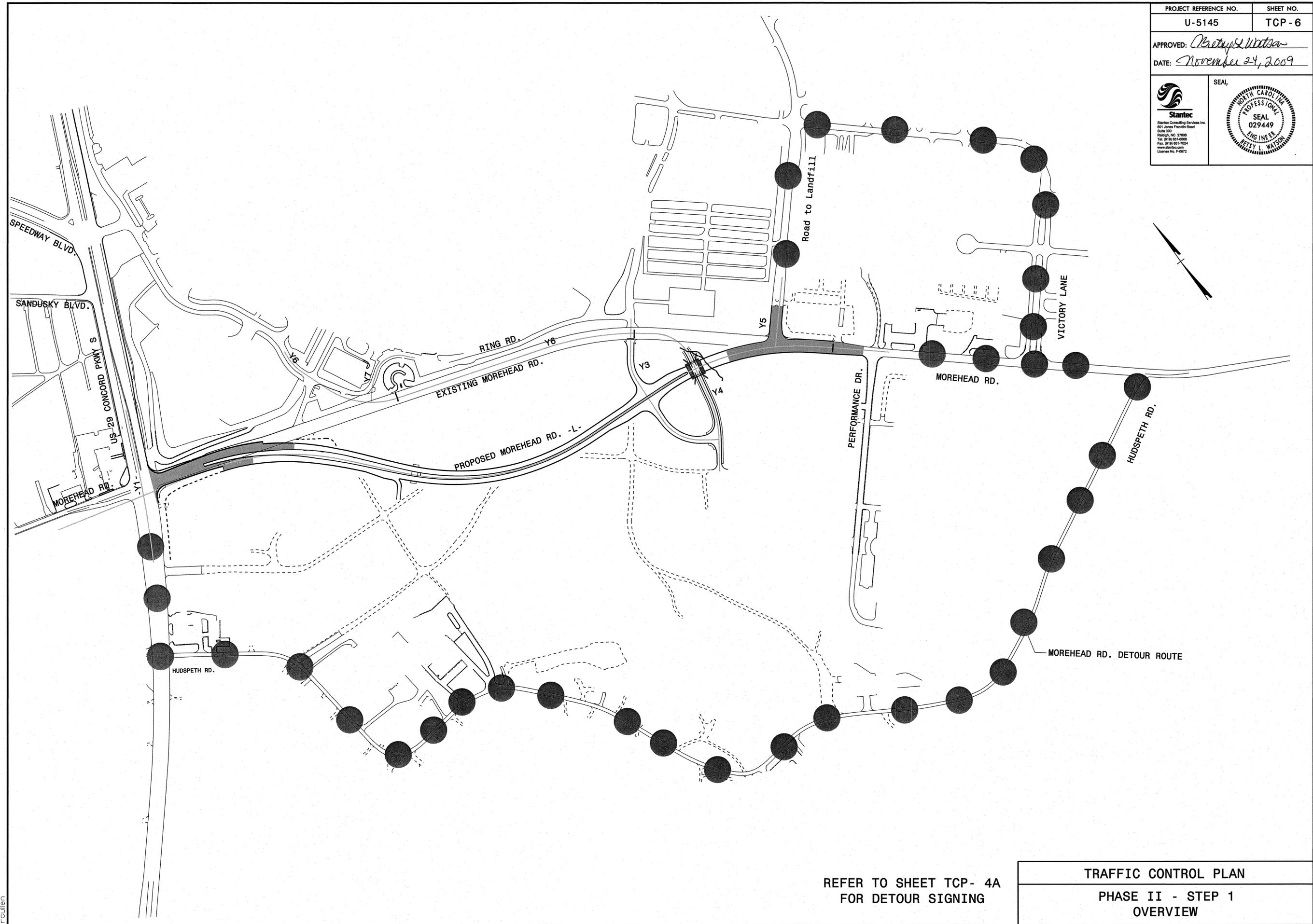
PROJECT REFERENCE NO.	SHEET NO.
U-5145	TCP-5C
APPROVED: <i>Betsy L. Watson</i>	
DATE: <i>November 24, 2009</i>	
 <b>Stantec</b> Stantec Consulting Services Inc. 801 Jones Branch Road Suite 300 Raleigh, NC 27606 Tel: (919) 851-4800 Fax: (919) 851-7024 www.stantec.com License No. F-6672	SEAL 



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**TRAFFIC CONTROL PLAN**  
**PHASE I**

PROJECT REFERENCE NO.	SHEET NO.
U-5145	TCP - 6
APPROVED: <i>Kristy Watson</i>	
DATE: <i>November 24, 2009</i>	
 <b>Stantec</b> Stantec Consulting Services Inc. 801 Jones Franklin Road Suite 300 Raleigh, NC 27608 Tel: (919) 961-6900 Fax: (919) 961-7024 www.stantec.com License No. F-0872	SEAL 

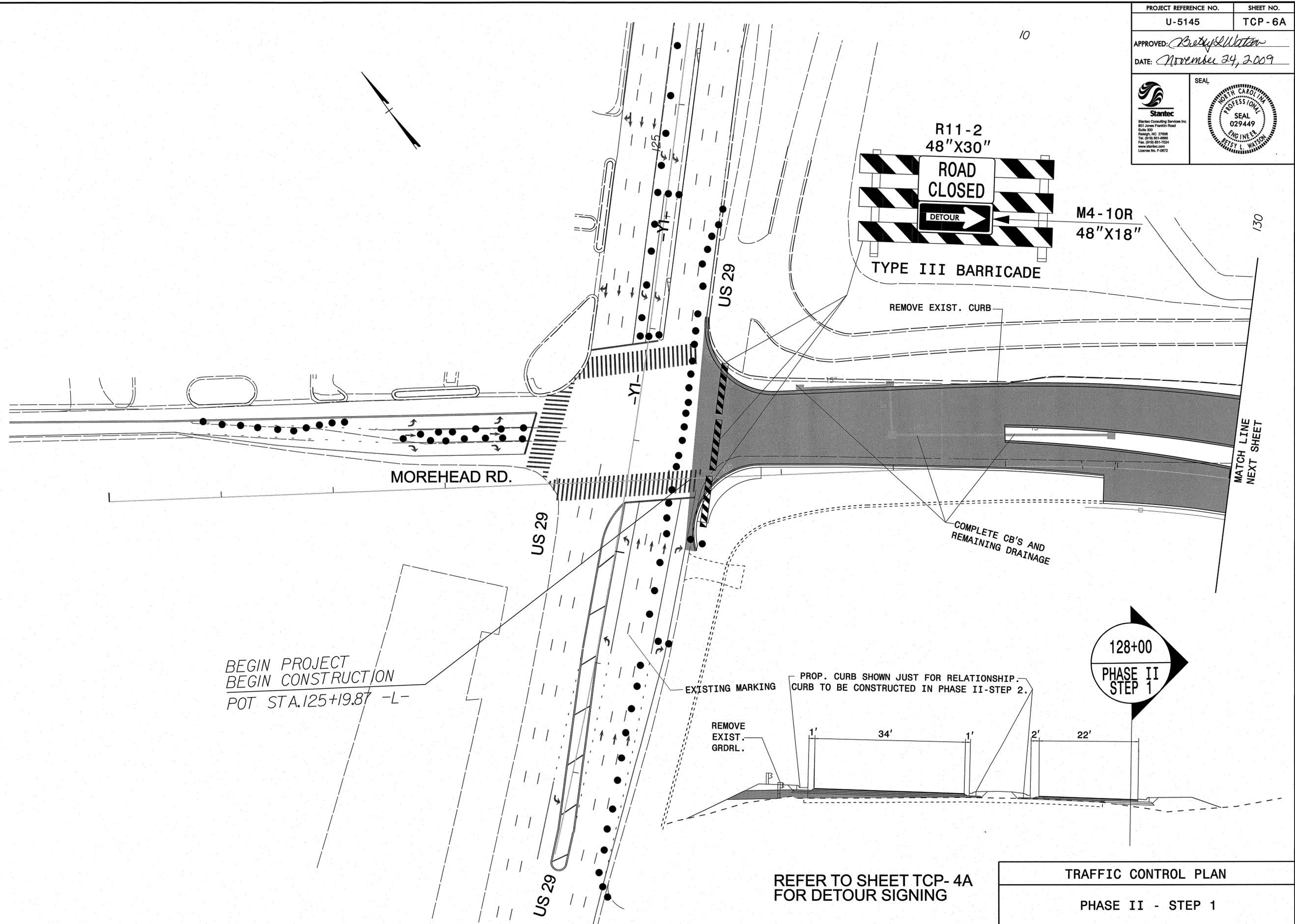


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REFER TO SHEET TCP- 4A  
FOR DETOUR SIGNING

<p align="center"> <b>TRAFFIC CONTROL PLAN</b>  <b>PHASE II - STEP 1</b>  <b>OVERVIEW</b> </p>
--

PROJECT REFERENCE NO. U-5145	SHEET NO. TCP-6A
APPROVED: <i>Betsy L. Watson</i>	
DATE: <i>November 24, 2009</i>	
 <b>Stantec</b> Stantec Consulting Services Inc. 801 Jones Franklin Road Suite 307 Raleigh, NC 27606 Tel: (919) 851-4900 Fax: (919) 851-7024 www.stantec.com License No. F-0672	SEAL  Betsy L. Watson License No. 029449



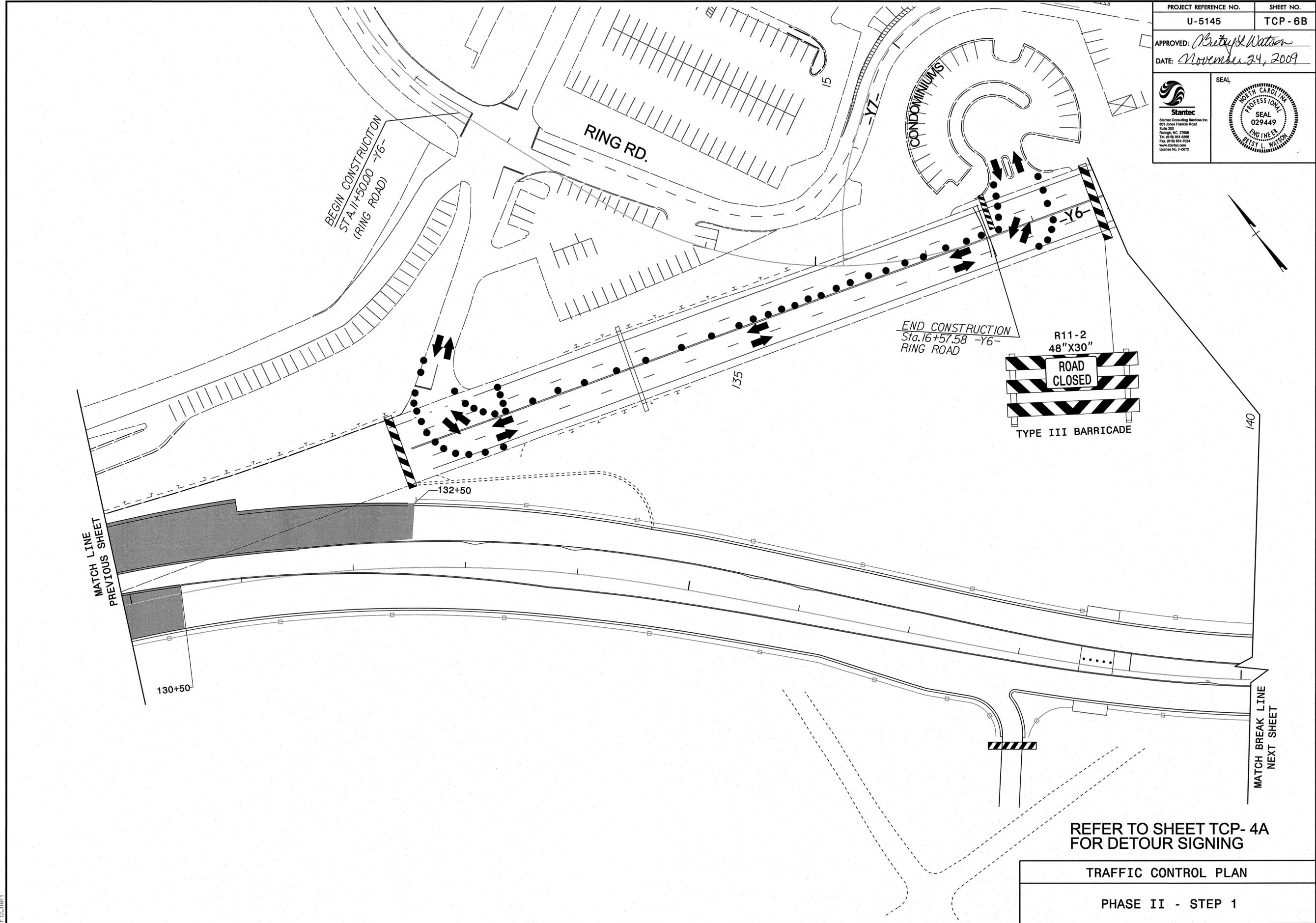
BEGIN PROJECT  
 BEGIN CONSTRUCTION  
 POT STA. 125+19.87 -L-

REFER TO SHEET TCP- 4A  
 FOR DETOUR SIGNING

TRAFFIC CONTROL PLAN
PHASE II - STEP 1

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 rcullen

PROJECT REFERENCE NO. U-5145	SHEET NO. TCP-6B
APPROVED: <i>Betsy L. Watson</i>	
DATE: <i>November 24, 2009</i>	
 <b>Stantec</b> Stantec Consulting Services Inc. 801 Jones Franklin Road Suite 300 Raleigh, NC 27606 Tel: (919) 851-4000 Fax: (919) 851-7024 www.stantec.com License No. F-0672	SEAL 

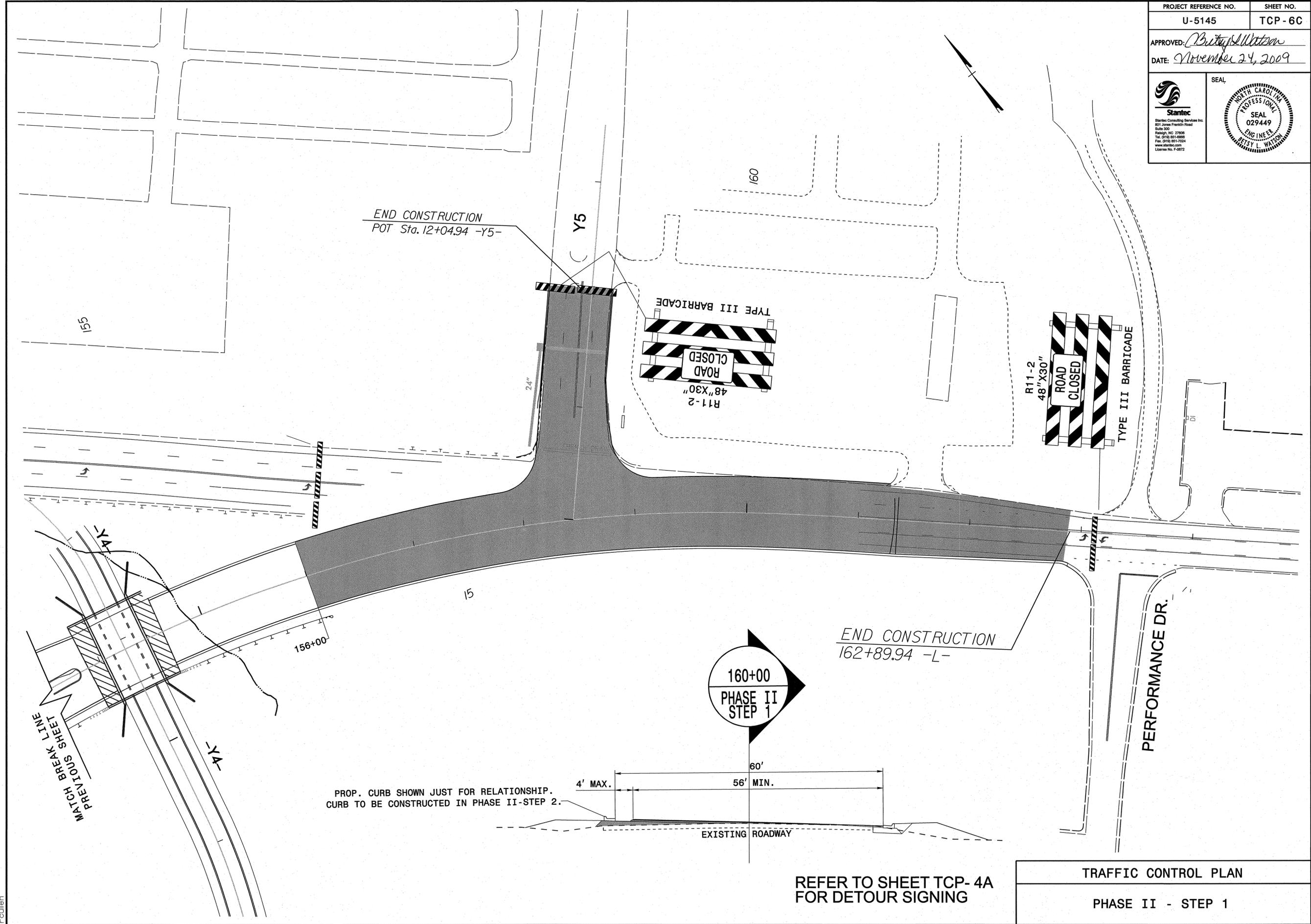


TRAFFIC CONTROL PLAN

PHASE II - STEP 1

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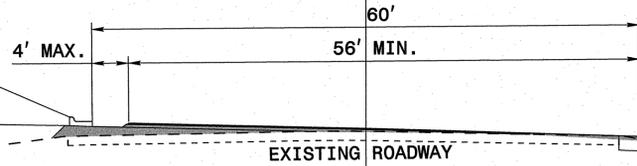
PROJECT REFERENCE NO. U-5145	SHEET NO. TCP - 6C
APPROVED: <i>Britney Watson</i>	
DATE: <i>November 24, 2009</i>	
 <b>Stantec</b> Stantec Consulting Services Inc. 201 James Franklin Road Suite 300 Raleigh, NC 27608 Tel: (919) 851-8800 Fax: (919) 851-7024 www.stantec.com License No. F-0672	SEAL  BRITNEY L. WATSON P.E. License No. 029449



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 ut:\traffic\003\_morehead\trafficcontrol\top\plan\_sheets\71000732\_MH\_TCP\_psh06C.dgn  
 Coulter

MATCH BREAK LINE  
 PREVIOUS SHEET

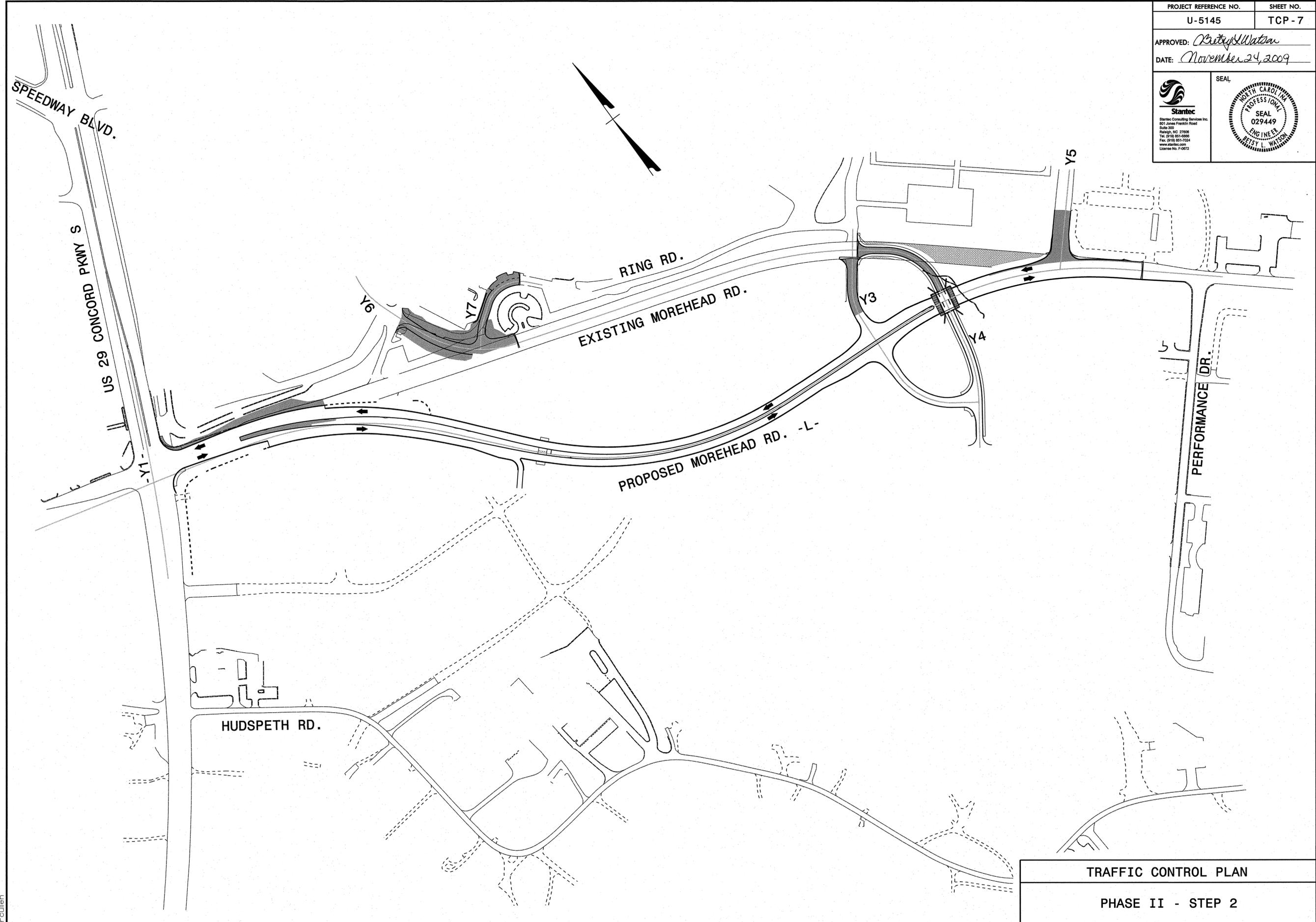
PROP. CURB SHOWN JUST FOR RELATIONSHIP.  
 CURB TO BE CONSTRUCTED IN PHASE II-STEP 2.



REFER TO SHEET TCP- 4A  
 FOR DETOUR SIGNING

TRAFFIC CONTROL PLAN
PHASE II - STEP 1

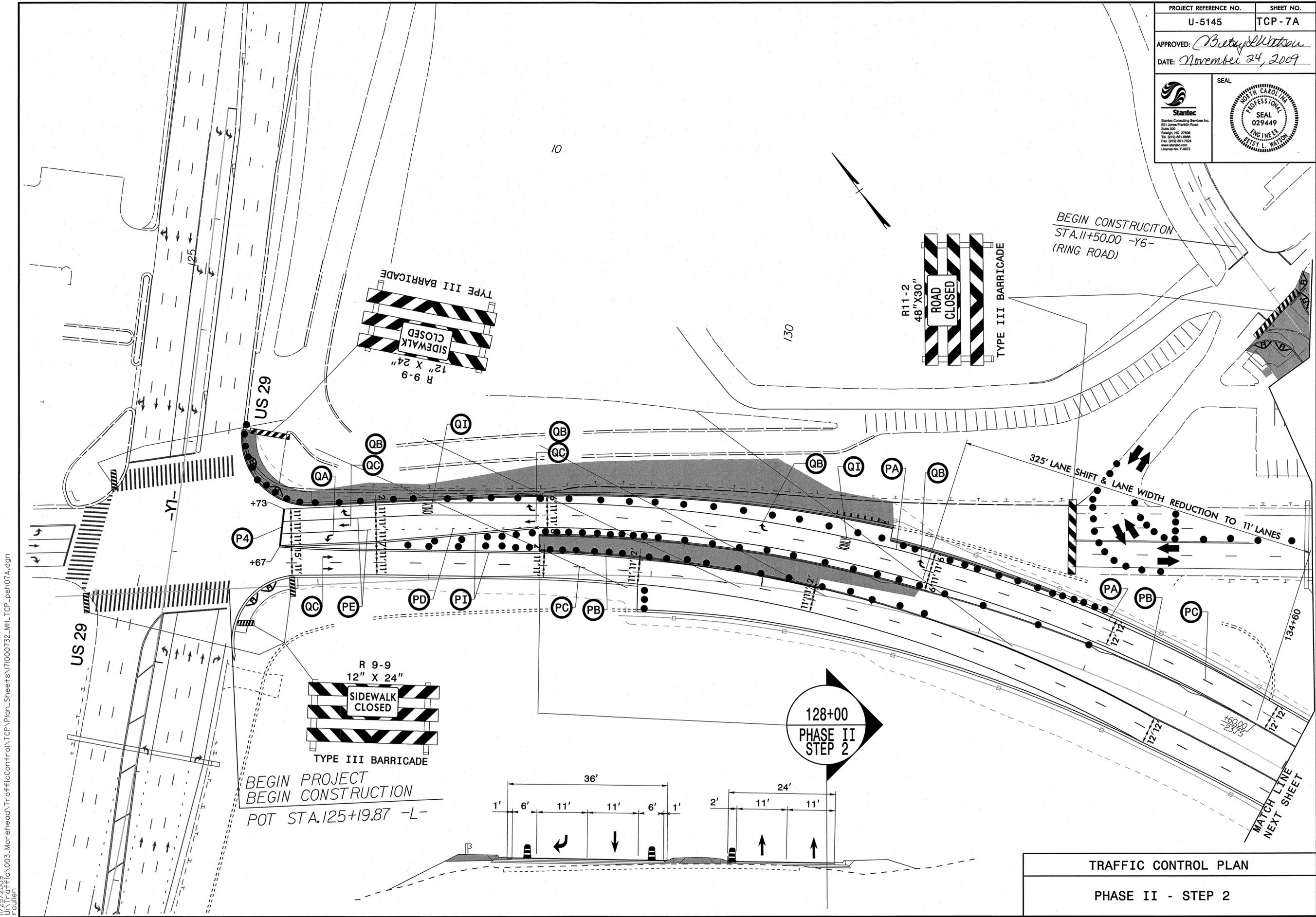
PROJECT REFERENCE NO. U-5145	SHEET NO. TCP-7
APPROVED: <i>Kristy Watson</i>	
DATE: <i>November 24, 2009</i>	
 <b>Stantec</b> Stantec Consulting Services Inc. 801 Jones Franklin Road Suite 300 Raleigh, NC 27606 Tel: (919) 851-8000 Fax: (919) 851-7024 www.stantec.com License No. F-0672	SEAL  NORTH CAROLINA PROFESSIONAL SEAL 029449 ENGINEER KRISTY L. WATSON



**TRAFFIC CONTROL PLAN**  
**PHASE II - STEP 2**

11/23/2009  
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 rcullen

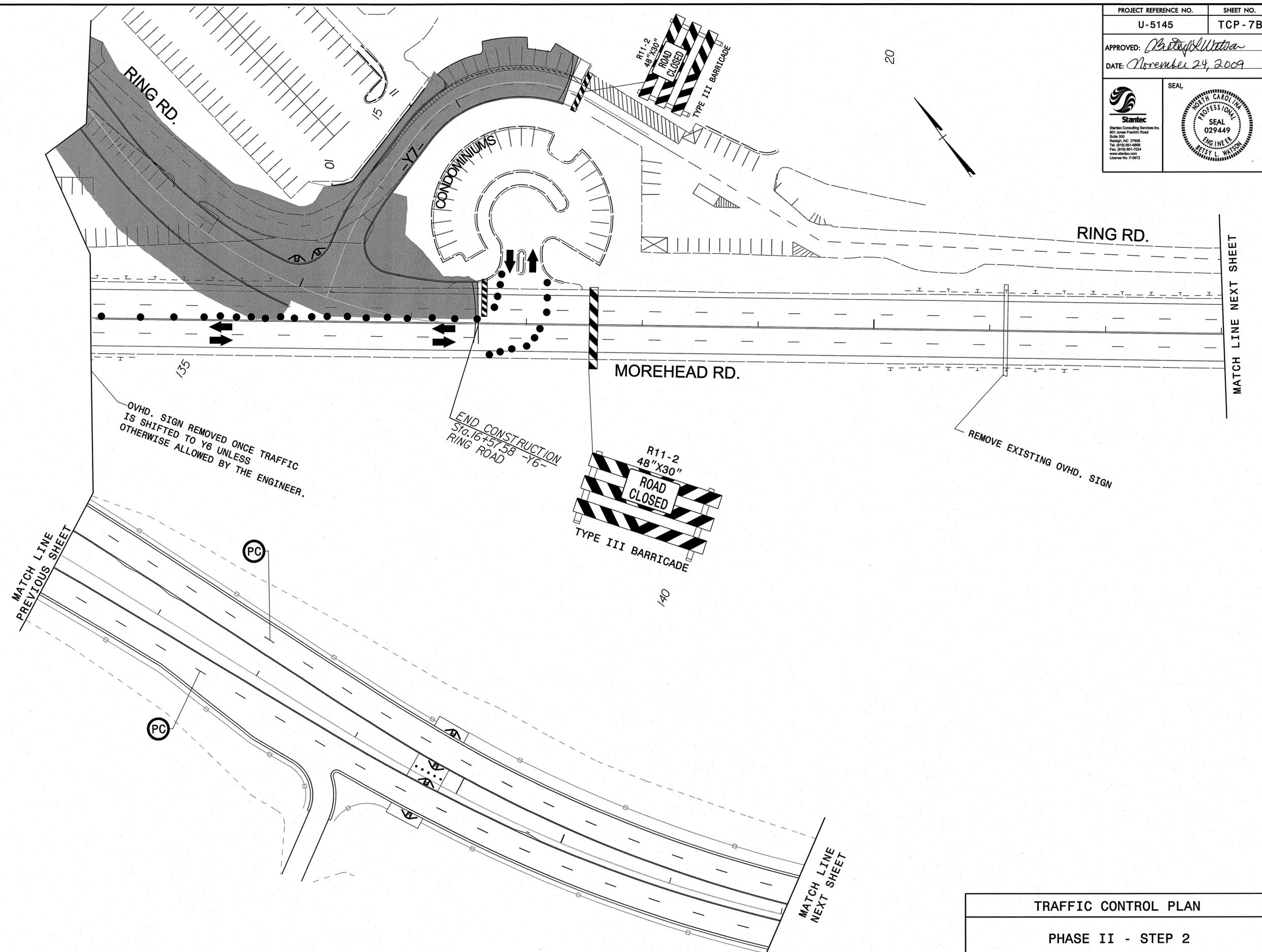
PROJECT REFERENCE NO. U-5145	SHEET NO. TCP-7A
APPROVED: <i>Betsy L. Watson</i>	
DATE: <i>November 24, 2009</i>	
 Stantec Consulting Services Inc. 821 Jones Franklin Road Suite 300 Raleigh, NC 27606 Tel: (919) 891-8800 Fax: (919) 891-7004 www.stantec.com License No. F-4052	SEAL 



TRAFFIC CONTROL PLAN  
 PHASE II - STEP 2

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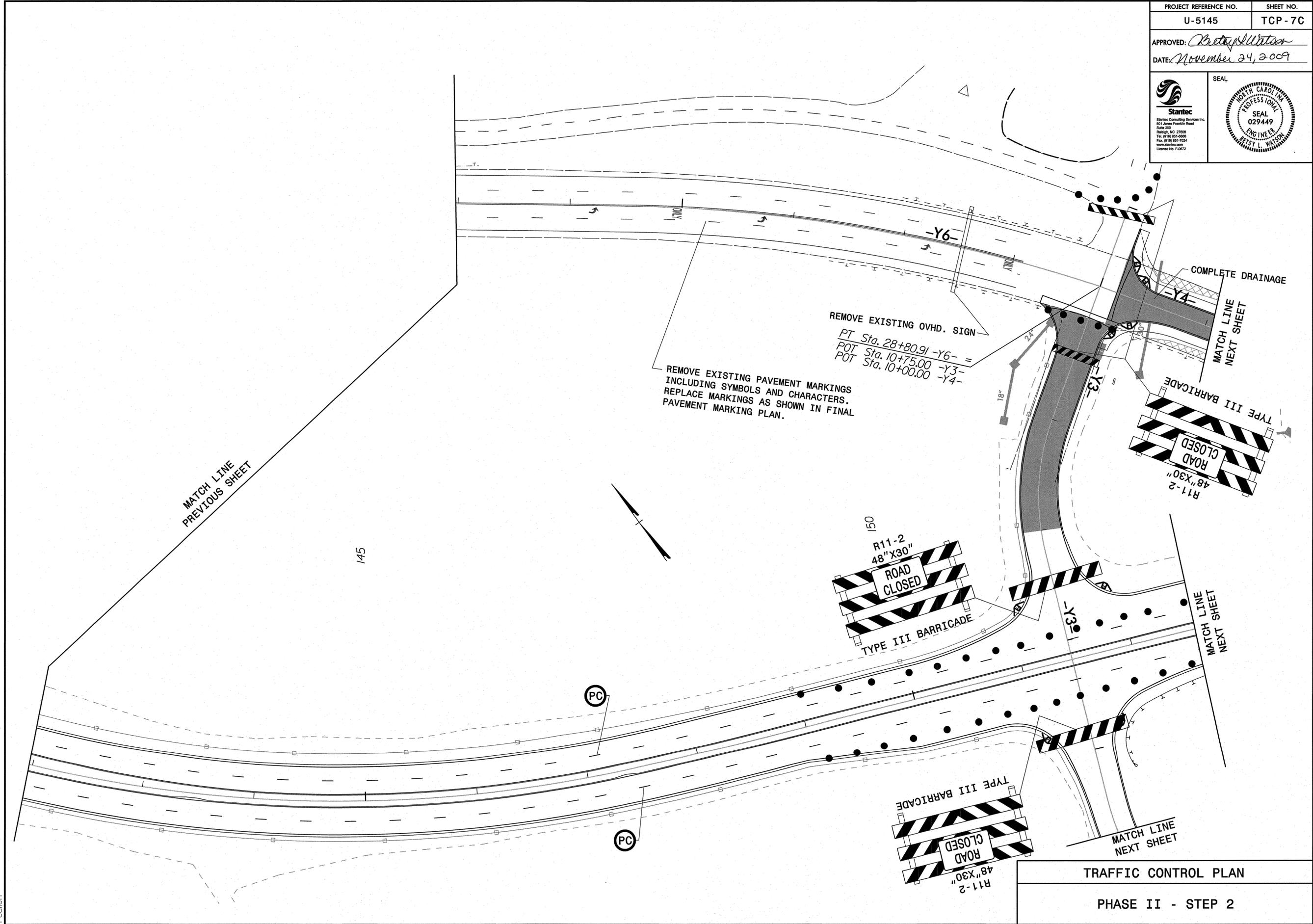
PROJECT REFERENCE NO. U-5145	SHEET NO. TCP-7B
APPROVED: <i>Chris Watson</i>	
DATE: November 24, 2009	
 <b>Stantec</b> Stantec Consulting Services Inc. 801 Jones Franklin Road Suite 300 Raleigh, NC 27608 Tel: (919) 851-0800 Fax: (919) 851-7024 www.stantec.com License No. F-0672	SEAL 



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**TRAFFIC CONTROL PLAN**  
**PHASE II - STEP 2**

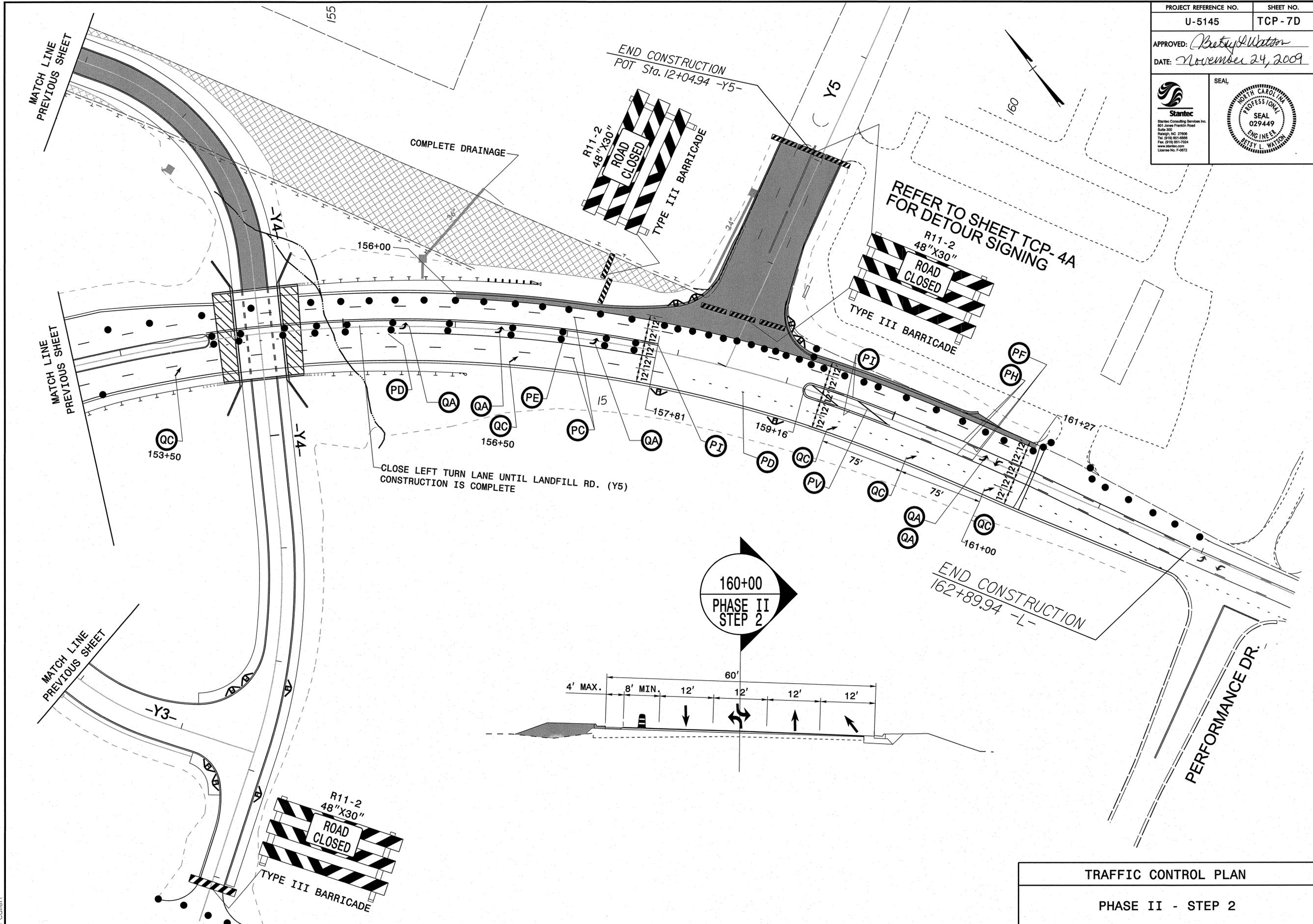
PROJECT REFERENCE NO. U-5145	SHEET NO. TCP-7C
APPROVED: <i>Patsy Watson</i>	
DATE: November 24, 2009	
 <b>Stantec</b> Stantec Consulting Services Inc. 801 Jones Franklin Road Suite 300 Raleigh, NC 27606 Tel: (919) 851-9800 Fax: (919) 851-7024 www.stantec.com License No. F-3672	SEAL  Patsy L. Watson License No. 029449



TRAFFIC CONTROL PLAN  
 PHASE II - STEP 2

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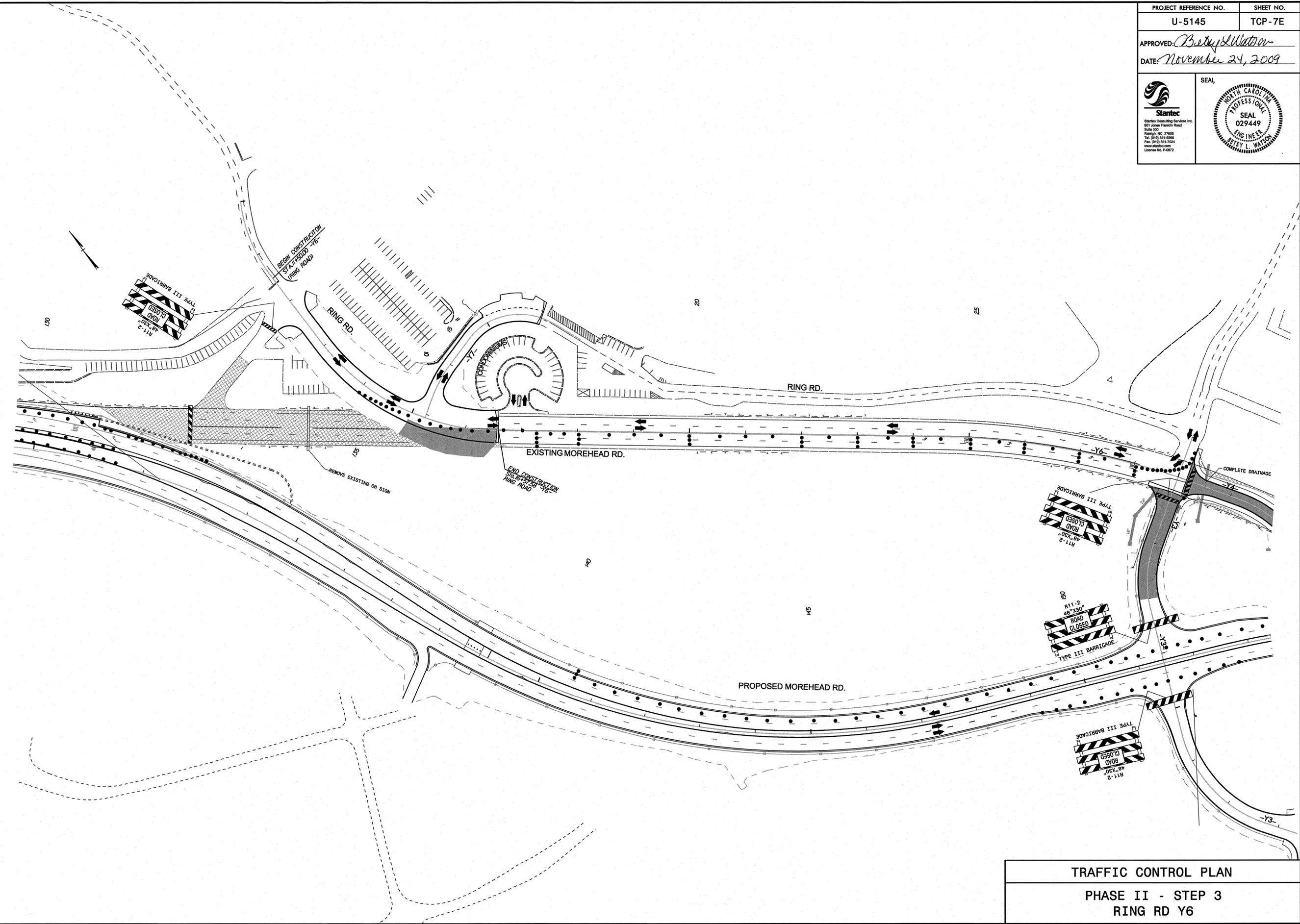
PROJECT REFERENCE NO. U-5145	SHEET NO. TCP-7D
APPROVED: <i>Betsy L. Watson</i>	
DATE: <i>November 24, 2009</i>	
 <b>Stantec</b> Stantec Consulting Services Inc. 801 Jones Franklin Road Suite 300 Raleigh, NC 27606 Tel: (919) 851-8900 Fax: (919) 851-7024 www.stantec.com License No. F-9872	SEAL  NORTH CAROLINA PROFESSIONAL SEAL 029449 Betsy L. Watson ENGINEER



TRAFFIC CONTROL PLAN  
 PHASE II - STEP 2

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 rcullen

PROJECT REFERENCE NO.	SHEET NO.
U-5145	TCP-7E
APPROVED: <i>Betsy L. Watson</i>	
DATE: <i>November 24, 2009</i>	
 <b>Stantec</b> Stantec Consulting Services Inc. 801 Jones Franklin Road Suite 300 Raleigh, NC 27606 Tel: (919) 851-6666 Fax: (919) 851-7124 www.stantec.com License No. F-0072	SEAL 



**TRAFFIC CONTROL PLAN**  
**PHASE II - STEP 3**  
**RING RD Y6**

11/23/2009  
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