

STATE OF NORTH CAROLINA
DIVISION OF HIGHWAYS

STATE PROJECT REFERENCE NO.	SHEET NO.
W-4713	TCP-1

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

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
1101.06	WARNING SIGNS FOR BLASTING ZONES
1101.11	TRAFFIC CONTROL DESIGN TABLES
1110.01	STATIONARY WORK ZONE SIGNS
1110.02	PORTABLE WORK ZONE SIGNS
1115.01	FLASHING ARROW PANELS
1130.01	DRUM
1135.01	CONES
1145.01	BARRICADES
1150.01	FLAGGING DEVICES
1160.01	TEMPORARY CRASH CUSHION
1165.01	TRUCK MOUNTED IMPACT ATTENUATOR
1170.01	PORTABLE CONCRETE BARRIER
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
1205.08	PAVEMENT MARKINGS - SYMBOLS & WORD MESSAGES
1205.09	PAVEMENT MARKINGS - PAINTED ISLANDS
1250.01	PAVEMENT MARKER SPACING
1251.01	RAISED PAVEMENT MARKERS (TEMPORARY & PERMANENT)
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1261.01	GUARDRAIL & BARRIER DELINEATOR SPACING
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TCP-27	ADVANCE WARNING WORK ZONE SIGNS
PM-1	FINAL PAVEMENT MARKING SCHEDULE
PM-2	FINAL PAVEMENT MARKING DETAIL

LEGEND

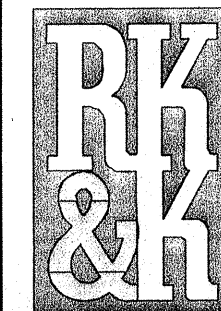
- GENERAL**
- DIRECTION OF TRAFFIC FLOW
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 - PROPOSED PVMT. EXIST. PVMT.
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 - STATIONARY OR PORTABLE SIGN
 - CRASH CUSHION
 - CHANGEABLE MESSAGE SIGN
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 - POLICE
 - FLAGGER
- PAVEMENT MARKINGS**
- CRYSTAL/CRYSTAL PAVEMENT MARKER
 - YELLOW/YELLOW PAVEMENT MARKER
 - CRYSTAL/RED PAVEMENT MARKER
 - PAVEMENT MARKING SYMBOLS

STATE PROJECT: W- 4713

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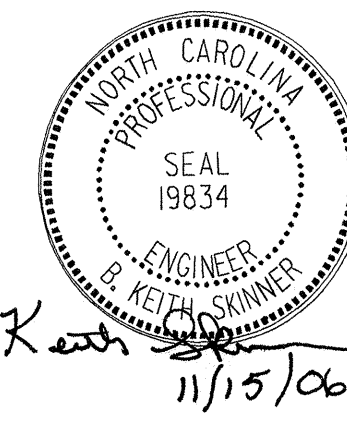
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11/15/06

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M. A. COLE TRAFFIC CONTROL PROJECT ENGINEER

PLANS REVIEWED BY: N.C.D.O.T. WORK ZONE TRAFFIC CONTROL UNIT

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GENERAL NOTES

ADAPT THE TRAFFIC CONTROL PLANS, WHEN DIRECTED BY THE ENGINEER, TO MEET FIELD CONDITIONS TO PROVIDE SAFE AND EFFICIENT TRAFFIC MOVEMENT. CHANGES MAY BE REQUIRED WHEN PHYSICAL DIMENSIONS IN THE DETAIL DRAWINGS, STANDARD DETAILS AND ROADWAY DETAILS ARE NOT ATTAINABLE, OR RESULT IN DUPLICATE, OR UNDESIRE OVERLAPPING OF DEVICES. MODIFICATIONS MAY INCLUDE; MOVING, SUPPLEMENTING, COVERING, OR REMOVAL OF DEVICES.

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 DURING HOLIDAYS AS FOLLOWS:

ROAD NAME	HOLIDAY
1. US 74-441	
1. FOR ANY EVENT THAT CREATES UNUSUALLY HIGH TRAFFIC VOLUMES, AS DIRECTED BY THE ENGINEER.	
2. FOR NEW YEAR'S, BETWEEN THE HOURS OF 4:30 P.M. DECEMBER 31ST TO 8:30 A.M. JANUARY 2ND. IF NEW YEAR'S DAY IS ON A SATURDAY OR A SUNDAY, THEN UNTIL 8:30 A.M. THE FOLLOWING TUESDAY.	
3. FOR EASTER, BETWEEN THE HOURS OF 4:30 P.M. THURSDAY AND 8:30 A.M. MONDAY.	
4. FOR MEMORIAL DAY, BETWEEN THE HOURS OF 4:30 P.M. FRIDAY TO 8:30 A.M. TUESDAY.	
5. FOR INDEPENDENCE DAY, BETWEEN THE HOURS OF 4:30 P.M. THE DAY BEFORE INDEPENDENCE DAY AND 8:30 A.M. THE DAY AFTER INDEPENDENCE DAY.	
6. FOR LABOR DAY, BETWEEN THE HOURS OF 4:30 P.M. FRIDAY TO 8:30 A.M. TUESDAY.	
7. FOR THANKSGIVING, BETWEEN THE HOURS OF 4:30 P.M. TUESDAY TO 8:30 A.M. MONDAY.	
8. FOR CHRISTMAS, BETWEEN THE HOURS OF 4:30 P.M. THE FRIDAY BEFORE THE WEEK OF CHRISTMAS DAY AND 8:30 A.M. THE FOLLOWING MONDAY AFTER THE WEEK OF CHRISTMAS.	
9. FOR LEAF SEASON, THE ENTIRE MONTH OF OCTOBER AND 1ST WEEK IN NOVEMBER, BETWEEN 4:30 P.M. FRIDAY TO 8:30 A.M. MONDAY.	

LANE & SHOULDER CLOSURE REQUIREMENTS

- B) 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.
- C) WHEN PERSONNEL AND/OR EQUIPMENT ARE WORKING ON THE SHOULDER ADJACENT TO AN UNDIVIDED FACILITY AND WITHIN 5' (1.5m) 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.
- D) 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.
- E) DO NOT WORK SIMULTANEOUSLY, ON BOTH SIDES OF AN OPEN TRAVELWAY, WITHIN THE SAME LOCATION, ON A TWO-LANE, TWO-WAY ROAD.
- F) DO NOT PERFORM WORK INVOLVING HEAVY EQUIPMENT WITHIN 15' (5m) OF THE EDGE OF TRAVELWAY WHEN WORK IS BEING PERFORMED BEHIND A LANE CLOSURE ON THE OPPOSITE SIDE OF THE TRAVELWAY.
- G) DO NOT INSTALL MORE THAN 1/2 MILE OF LANE CLOSURE ON US 74-441, MEASURED FROM THE BEGINNING OF THE MERGE TAPER TO THE END OF THE LANE CLOSURE.

PROJECT NOTES

PAVEMENT EDGE DROP OFF REQUIREMENTS

- H) BACKFILL AT A 6:1 SLOPE UP TO THE EDGE AND ELEVATION OF EXISTING PAVEMENT IN AREAS ADJACENT TO AN OPEN TRAVEL LANE THAT HAS A DROP-OFF AS FOLLOWS:
 - BACKFILL DROP-OFFS THAT EXCEED 2" (50 mm) ON ROADWAYS WITH POSTED SPEED LIMITS OF 45 MPH OR GREATER.
 - BACKFILL DROP-OFFS THAT EXCEED 3" (75mm) ON ROADWAYS WITH POSTED SPEED LIMITS OF LESS THAN 45 MPH.
 - BACKFILL WITH SUITABLE COMPACTED MATERIAL, AS APPROVED BY THE ENGINEER, AT NO EXPENSE TO THE DEPARTMENT.

TRAFFIC PATTERN ALTERATIONS

- I) NOTIFY THE ENGINEER 21 CALENDAR DAYS PRIOR TO ANY TRAFFIC PATTERN ALTERATION.

SIGNING

- J) INSTALL ADVANCE WORK ZONE WARNING SIGNS WHEN WORK IS WITHIN 100 FT (31m) FROM THE EDGE OF TRAVEL LANE AND NO MORE THAN THREE (3) DAYS PRIOR TO THE BEGINNING OF CONSTRUCTION.

WHEN NO WORK IS BEING CONDUCTED FOR A PERIOD LONGER THAN ONE WEEK, REMOVE OR COVER ALL ADVANCE WORK ZONE WARNING SIGNS, AS DIRECTED BY THE ENGINEER, AT NO COST TO THE DEPARTMENT.
- K) STATE FORCES TO PROVIDE PERMANENT SIGNING.
- L) ENSURE ALL NECESSARY SIGNING IS IN PLACE PRIOR TO ALTERING ANY TRAFFIC PATTERN.

TRAFFIC CONTROL DEVICES

- M) SPACE CHANNELIZING DEVICES IN WORK AREAS NO GREATER THAN TWICE THE POSTED SPEED LIMIT (MPH), EXCEPT 10 FT (3m) ON-CENTER IN RADII, AND 3 FT (1m) OFF THE EDGE OF AN OPEN TRAVELWAY, WHEN LANE CLOSURES ARE NOT IN EFFECT.
- N) PLACE TYPE III BARRICADES, WITH "ROAD CLOSED" SIGN R11-2 ATTACHED, OF SUFFICIENT LENGTH TO CLOSE ENTIRE ROADWAY. STAGGER OR OVERLAP BARRICADES TO ALLOW FOR INGRESS OR EGRESS.

PAVEMENT MARKINGS AND MARKERS

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

ROAD NAME	MARKING	MARKER
1. ALL ROADS	POLYUREA	SNOWFLOWABLE RAISED REFLECTIVE
- P) INSTALL TEMPORARY PAVEMENT MARKINGS AND TEMPORARY PAVEMENT MARKERS ON INTERIM LAYERS OF PAVEMENT AS FOLLOWS:

ROAD NAME	MARKING	MARKER
1. ALL ROADS	PAINT	RAISED REFLECTIVE (TEMPORARY)
- Q) TIE PROPOSED PAVEMENT MARKING LINES TO EXISTING PAVEMENT MARKING LINES.
- R) REPLACE ANY PAVEMENT MARKINGS THAT HAVE BEEN OBLITERATED BY THE END OF EACH DAY'S OPERATION.
- S) PLACE AT LEAST TWO APPLICATIONS OF PAINT ON NEW ASPHALT WITH TEMPORARY TRAFFIC PATTERNS WHICH WILL REMAIN IN PLACE OVER THREE (3) MONTHS. PLACE ADDITIONAL APPLICATIONS OF PAINT UPON SUFFICIENT DRYING TIME, AS DETERMINED BY THE ENGINEER.

MISCELLANEOUS

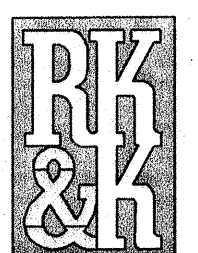
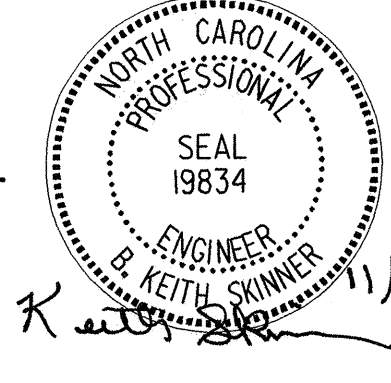
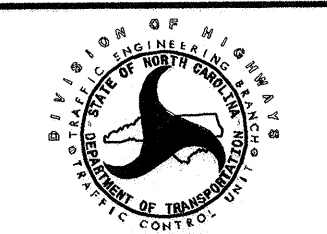
- T) LOCATE AND CONSTRUCT PROPOSED CURB CUT FOR FUTURE WHEELCHAIR RAMPS AND/OR PROPOSED WHEELCHAIR RAMPS AS SHOWN IN ROADWAY STANDARD DRAWING 848.05 AND AS APPROVED OR DIRECTED BY THE ENGINEER.
- U) POLICE MAY BE USED TO MAINTAIN TRAFFIC THROUGH INTERSECTIONS.

LOCAL NOTES

DO NOT STOP TRAFFIC FOR MORE THAN 10 MINUTES AS FOLLOWS:

OPERATION	ROAD NAME
1. SHIFTING TRAFFIC AND ANY OPERATION THAT REQUIRES TRAFFIC TO BE STOPPED.	US 74-441

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 PLANS PREPARED BY : RUMMEL KLEPPER & KAHL, LLP <i>consulting engineers</i> 900 RIDGEFIELD DRIVE • SUITE 350 RALEIGH, NORTH CAROLINA 27609-3960 FOR DIVISION OF HIGHWAYS	SEAL  B. K. Skinner 11/15/06	PROJECT NOTES				
	SCALE: NONE DATE: 10-06 DWG. BY: MAC DESIGN BY: MAC REVIEWED BY: BKS		REVISIONS <table border="1" style="width: 100%; height: 40px;"> <tr><td> </td><td> </td></tr> <tr><td> </td><td> </td></tr> </table> CADD FILE: TCP02.DGN			

PHASE I:

- STEP 1: INSTALL ADVANCE WORK ZONE WARNING SIGNS ON ALL -L- AND -Y- LINE ROADWAY APPROACHES TO THE PROJECT LIMITS, (SEE SHEETS TCP-2 AND TCP-27).
- STEP 2: USING ROADWAY STANDARD DRAWING 1101.02 SHEET 3 OF 9, TO MAINTAIN US 74-441 TRAFFIC, TEMPORARILY CLOSE THE EASTBOUND AND/OR WESTBOUND OUTSIDE TRAVEL LANE OF US 74-441 AND CONSTRUCT PROPOSED RETAINING WALLS, GUARDRAIL AND PAVEMENT WIDENING UP TO BUT NOT INCLUDING THE FINAL LAYER OF SURFACE COURSE AND PLACE TEMPORARY PAVEMENT MARKINGS, (PAINT) AT THE FOLLOWING LOCATIONS. AT THE END OF THE WORK DAY US 74-441 EASTBOUND AND WESTBOUND WILL BE RESTORED TO ITS ORIGINAL TRAFFIC PATTERN, (SEE ROADWAY PLANS, SHEETS TCP-2, TCP-4 THROUGH TCP-12 AND TCP-27):
- -L- STA. 34+71 +/- TO -L- STA. 37+31 +/-, (SEE SHEET TCP-4),
 - -L- STA. 70+50 +/- TO -L- STA. 72+74 +/- AND -L- STA. 72+31 +/- TO -L- STA. 74+55 +/-, (SEE SHEET TCP-5),
 - -L- STA. 87+49 +/- TO -L- STA. 89+10 +/-, (SEE SHEET TCP-6),
 - -L- STA. 100+55 +/- TO -L- STA. 102+04 +/-, (SEE SHEET TCP-7),
 - -L- STA. 113+10 +/- TO -L- STA. 115+50 +/-, (SEE SHEET TCP-8),
 - -L- STA. 122+36 +/- TO -L- STA. 124+75 +/-, (SEE SHEET TCP-9),
 - -L- STA. 147+67 +/- TO -L- STA. 149+50 +/-, (SEE SHEET TCP-10),
 - -L- STA. 162+98 +/- TO -L- STA. 165+12 +/-, (SEE SHEET TCP-11),
 - -L- STA. 193+61 +/- TO -L- STA. 196+00 +/-, (SEE SHEET TCP-12),
- STEP 3: USING ROADWAY STANDARD DRAWING NO. 1101.02, SHEET 1 OF 9, ALTERNATELY CLOSE THE TRAVEL LANES OF -Y1- AND -Y2- AND CONSTRUCT PROPOSED PAVEMENT WIDENING AND RESURFACING UP TO BUT NOT INCLUDING THE FINAL LAYER OF SURFACE COURSE AND PLACE TEMPORARY PAVEMENT MARKINGS, (PAINT) FROM -Y1- STA. 10+40 +/- TO -Y1- STA. 11+25 +/- AND -Y2- STA. 11+25 +/- TO -Y2- STA. 11+89 +/- AT THE END OF THE WORK DAY -Y1- AND -Y2- WILL BE RESTORED TO THEIR ORIGINAL TRAFFIC PATTERN, (SEE ROADWAY PLANS, SHEETS TCP-2 AND TCP-11).
- STEP 4: CONTACT STATE FORCES TO INSTALL PROPOSED SIGNING AS SHOWN IN THE SIGNING PLANS AT THE NEWLY CONSTRUCTED TURN OUTS ALONG US 74-441, -Y1- AND -Y2- ROADWAYS. OPEN US 74-441 AND -Y1- AND -Y2- TO THEIR PROPOSED TRAFFIC PATTERNS.

PHASE II:

- STEP 1: USING ROADWAY STANDARD DRAWING 1101.02 SHEET 3 OF 9, TO MAINTAIN US 74-441 TRAFFIC, TEMPORARILY CLOSE THE EASTBOUND AND WESTBOUND MEDIAN TRAVEL LANES OF US 74-441 AND CONSTRUCT PROPOSED DRAINAGE, MEDIAN GUARDRAIL, MEDIAN BARRIER RAIL, RAISED MONOLITHIC CONCRETE ISLANDS AND PAVEMENT WIDENING UP TO BUT NOT INCLUDING THE FINAL LAYER OF SURFACE COURSE. PLACE TEMPORARY PAVEMENT MARKINGS, (PAINT) AT THE FOLLOWING LOCATIONS. AT THE END OF THE WORK DAY US 74-441 EASTBOUND AND WESTBOUND MAY BE RESTORED TO ITS ORIGINAL TRAFFIC PATTERN, (SEE ROADWAY PLANS, SHEETS TCP-2, TCP-13 THROUGH TCP-26):
- -L- STA. 35+93 +/- TO -L- STA. 61+70 +/-, (SEE SHEETS TCP-13, TCP-14 AND TCP-15),
 - -L- STA. 66+05 +/- TO -L- STA. 209+63 +/-, (SEE SHEETS TCP-15 THROUGH TCP-26).
- STEP 2: USING ROADWAY STANDARD DRAWING NO. 1101.02 SHEET 3 OF 9, TO MAINTAIN US 74-441 TRAFFIC, TEMPORARILY CLOSE THE EASTBOUND AND WESTBOUND MEDIAN TRAVEL LANES OF US 74-441 TO ALLOW STATE FORCES TO INSTALL PROPOSED SIGNING AT THE NEWLY CONSTRUCTED CROSSEOVERS FROM -L- STA. 30+31 +/- TO -L- STA. 209+63 +/- OPEN US 74-441 EASTBOUND AND WESTBOUND TO THEIR PROPOSED TRAFFIC PATTERNS, (SEE SHEET TCP-2 AND SIGNING PLANS).

PHASE III:

- STEP 1: USING ROADWAY STANDARD DRAWING 1101.02 SHEET 3 OF 9, TO MAINTAIN US 74-441 TRAFFIC AND ALTERNATELY CLOSE THE EASTBOUND AND/OR WESTBOUND TRAVEL LANES OF US 74-441 AND PLACE THE FINAL LAYER OF SURFACE COURSE PAVEMENT, PROPOSED PAVEMENT MARKINGS, (POLYUREA) AND SNOWPLOWABLE RAISED PAVEMENT MARKERS FROM -L- STA. 34+70 +/- TO -L- STA. 209+63 +/- AT THE END OF THE WORK DAY US 74-441 EASTBOUND AND WESTBOUND US 74-441 WILL BE RESTORED TO ITS ORIGINAL TRAFFIC PATTERN, (SEE ROADWAY STANDARD DRAWINGS, SHEETS TCP-2, PM-1 AND PM-2):
- STEP 2: USING ROADWAY STANDARD DRAWING NO. 1101.02, SHEET 1 OF 9 TO MAINTAIN TRAFFIC AND ALTERNATELY CLOSE THE TRAVEL LANES OF -Y1- AND -Y2- TO PLACE THE FINAL LAYER OF SURFACE COURSE PAVEMENT, PROPOSED PAVEMENT MARKINGS, (POLYUREA) AND RAISED SNOWPLOWABLE PAVEMENT MARKERS FROM -Y1- STA. 10+40 +/- TO -Y1- STA. 11+25 +/- AND -Y2- STA. 11+25 +/- TO -Y2- STA. 11+89 +/- AT THE END OF THE WORK DAY -Y1- AND -Y2- WILL BE RESTORED TO THEIR ORIGINAL TRAFFIC PATTERN, (SEE ROADWAY STANDARD DRAWINGS, SHEETS TCP-2, PM-1 AND PM-2).

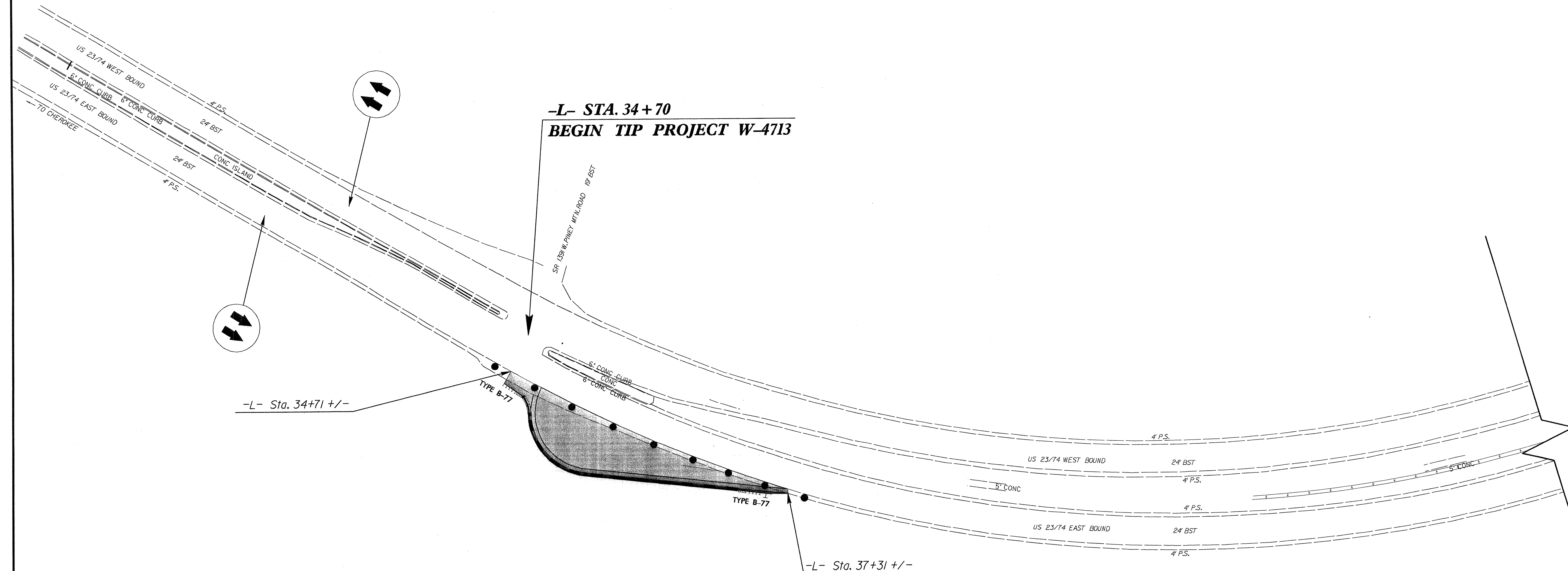
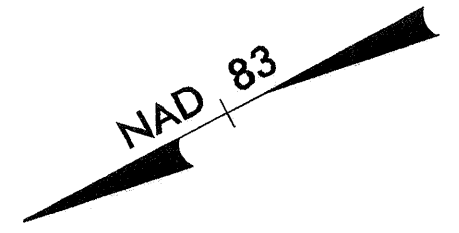
TEMPORARY PAVEMENT MARKING SCHEDULE				
SYMBOL	DESCRIPTION	QUANTITY BREAKDOWN	PAY ITEM PAVEMENT MARKING LINES	TOTAL QUANTITY
		PAINT (4")		159,878 FT
PA	WHITE EDGELINE 2X	70372 FT		
PB	YELLOW EDGELINE 2X	69972 FT		
PC	10 FT. WHITE SKIP 2X	17494 FT		
PD	3 FT. WHITE MINISKIP 2X	240 FT		
PE	WHITE SOLID LANE LINE 2X	1400 FT		
PI	YELLOW DOUBLE CENTER LINE 2X	400 FT		
		PAINT (8")		980 FT
PR	WHITE GORELINE 2X	800 FT		
PS	WHITE DIAGONAL 2X	180 FT		
		PAINT (24")		120 FT
P4	WHITE STOP BAR 2X	120 FT		
		TEMPORARY RAISED		360 EA
MH	YELLOW & YELLOW	40 EA		
MI	CRYSTAL & RED	320 EA		

NOTE: FOR EACH PAINT PAVEMENT MARKING ITEM, 1X IMPLIES A SINGLE APPLICATION, 2X IMPLIES TWO APPLICATIONS, AND 3X IMPLIES THREE APPLICATIONS.

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	<p>PLANS PREPARED BY : RUMMEL • KLEPPER & KAIL, LLP <i>consulting engineers</i> 900 RIDGEFIELD DRIVE • SUITE 350 RALEIGH, NORTH CAROLINA 27609-3960 (919) 878-9560</p> <p>FOR STATE OF NORTH CAROLINA DIVISION OF HIGHWAYS</p>	<p>PROJECT PHASING AND TEMPORARY PAVEMENT MARKING SCHEDULE</p>							
	<p>SCALE: NONE DATE: 10 /06 DWG. BY: MAC DESIGN BY: MAC REVIEWED BY: BKS</p>	<p>REVISIONS</p> <table border="1"> <tr><td> </td><td> </td></tr> <tr><td> </td><td> </td></tr> <tr><td> </td><td> </td></tr> <tr><td> </td><td> </td></tr> </table>							

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-L- STA. 34+70
BEGIN TIP PROJECT W-4713

-L- Sta. 34+71 +/-

TYPE B-77

-L- Sta. 37+31 +/-

REVISIONS

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REFER TO TCP-2, TCP-3, AND ROADWAY STD. DWG. 1101.02 SHEET 3 OF 9.

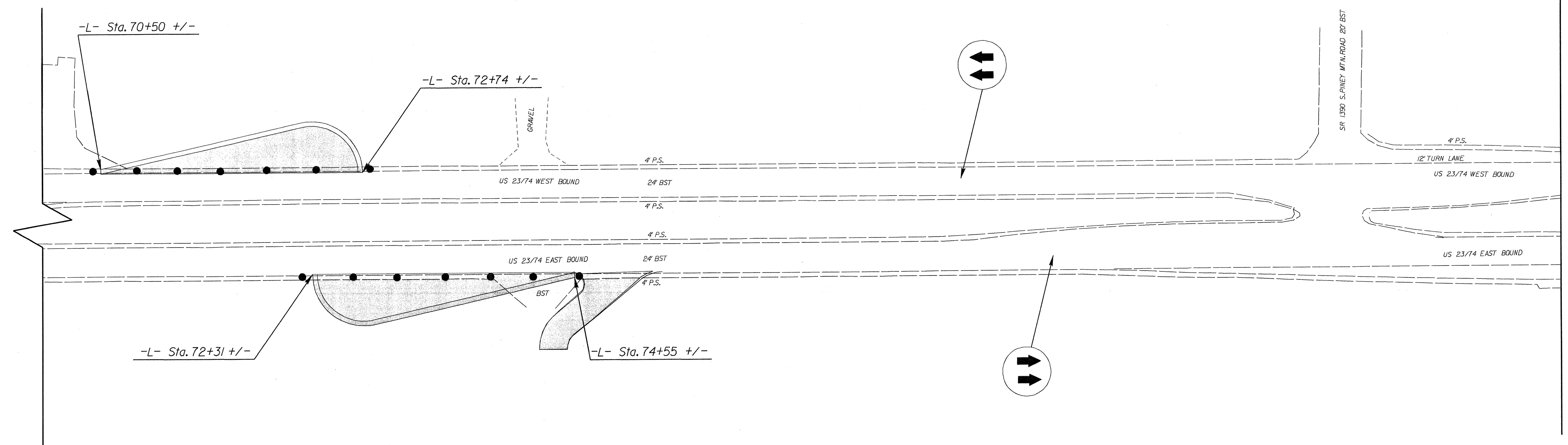
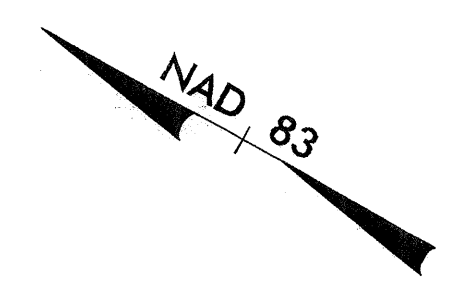
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FOR
DIVISION OF HIGHWAYS

SEAL

 B. K... 11/15/06

PHASE I			REVISIONS	
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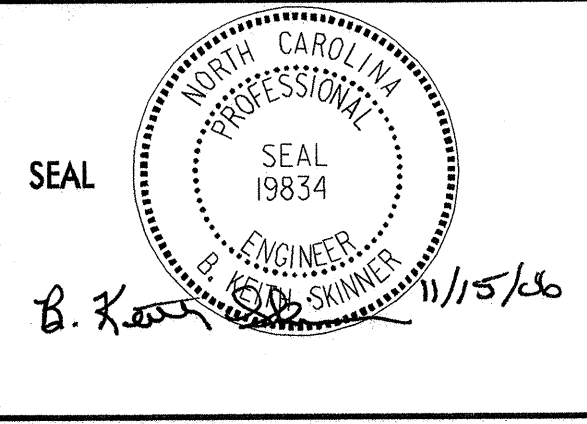
MATCHLINE -L- 83 + 00 SEE SHEET TCP-6

REVISIONS

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REFER TO TCP-2, TCP-3, AND ROADWAY STD. DWG. 1101.02 SHEET 3 OF 9.

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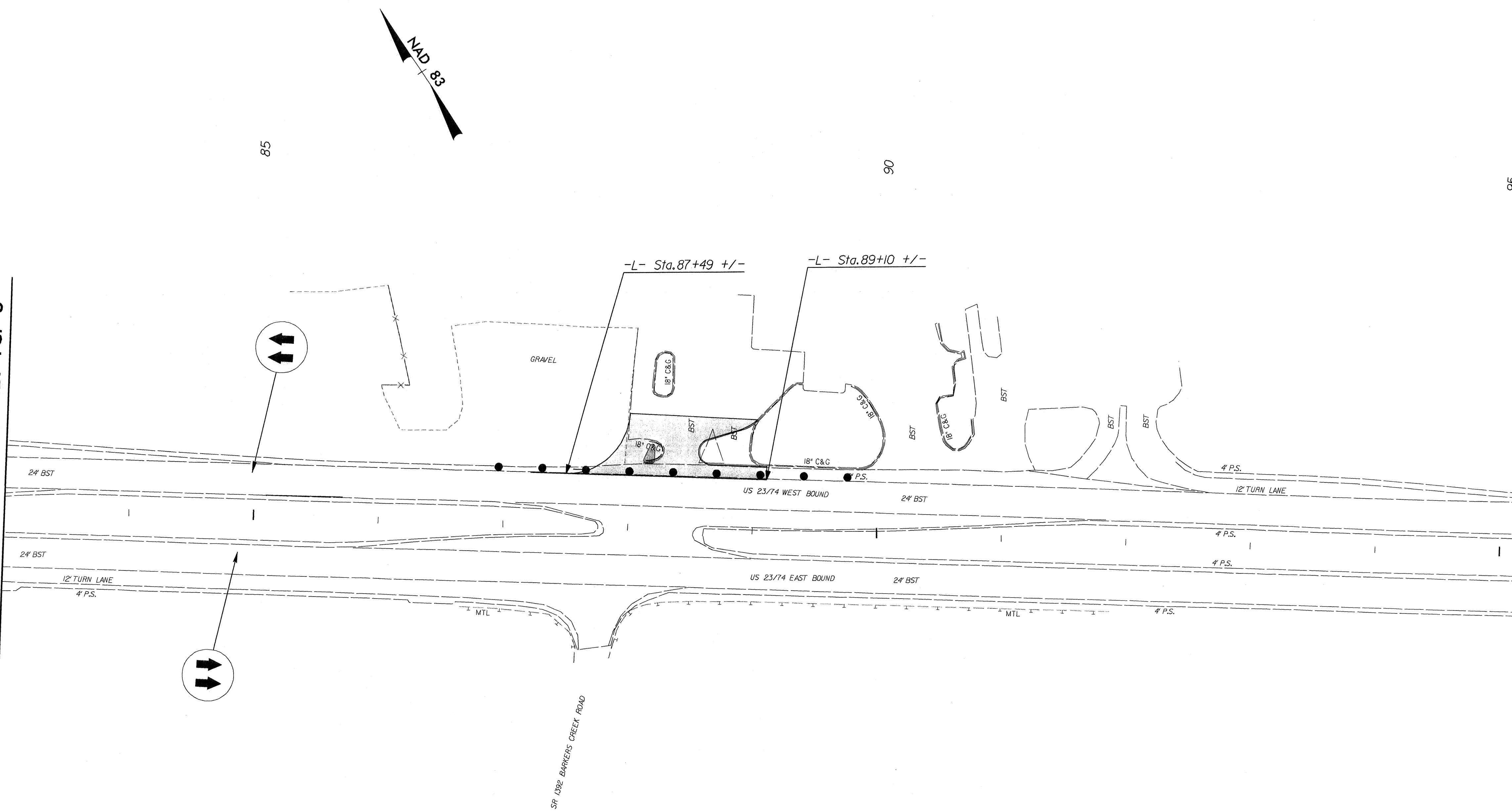


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MATCHLINE -L- 83+00 SEE SHEET TCP-5

MATCHLINE -L- 96+00 SEE SHEET TCP-7



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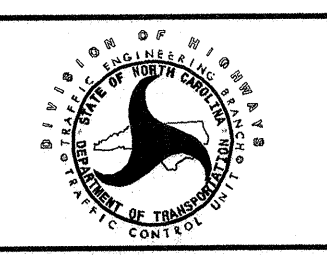
REFER TO TCP-2, TCP-3, AND ROADWAY STD. DWG. 101.02 SHEET 3 OF 9.

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SEAL

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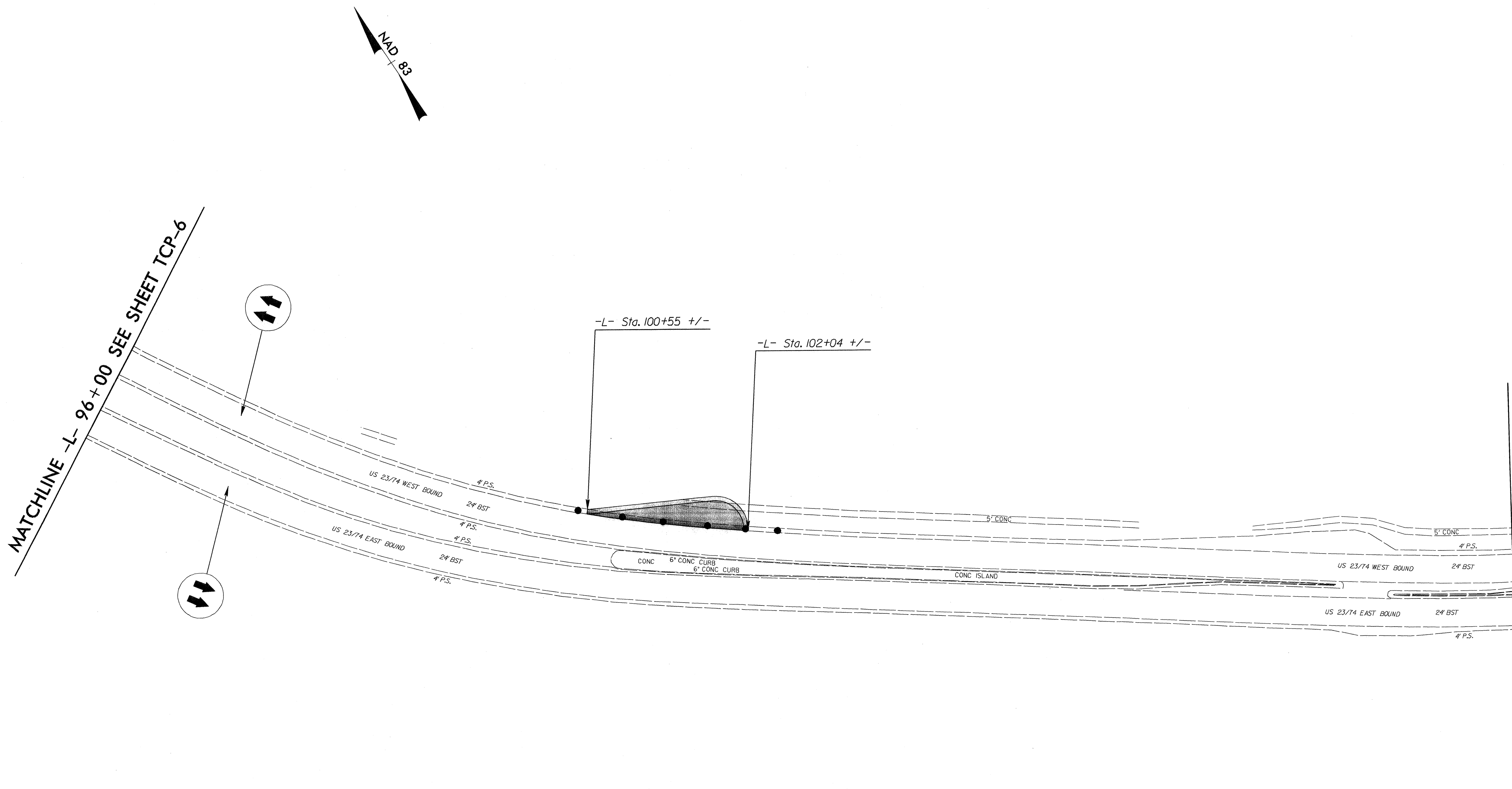
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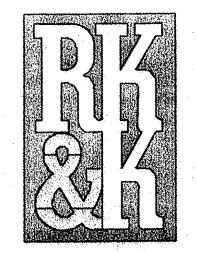

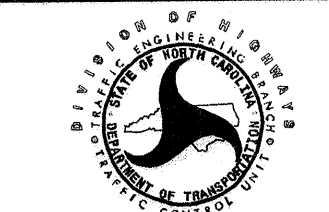
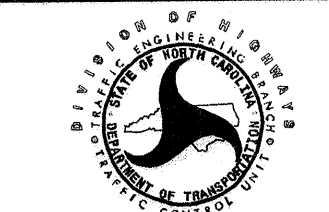
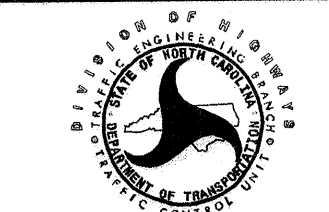
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REVISIONS

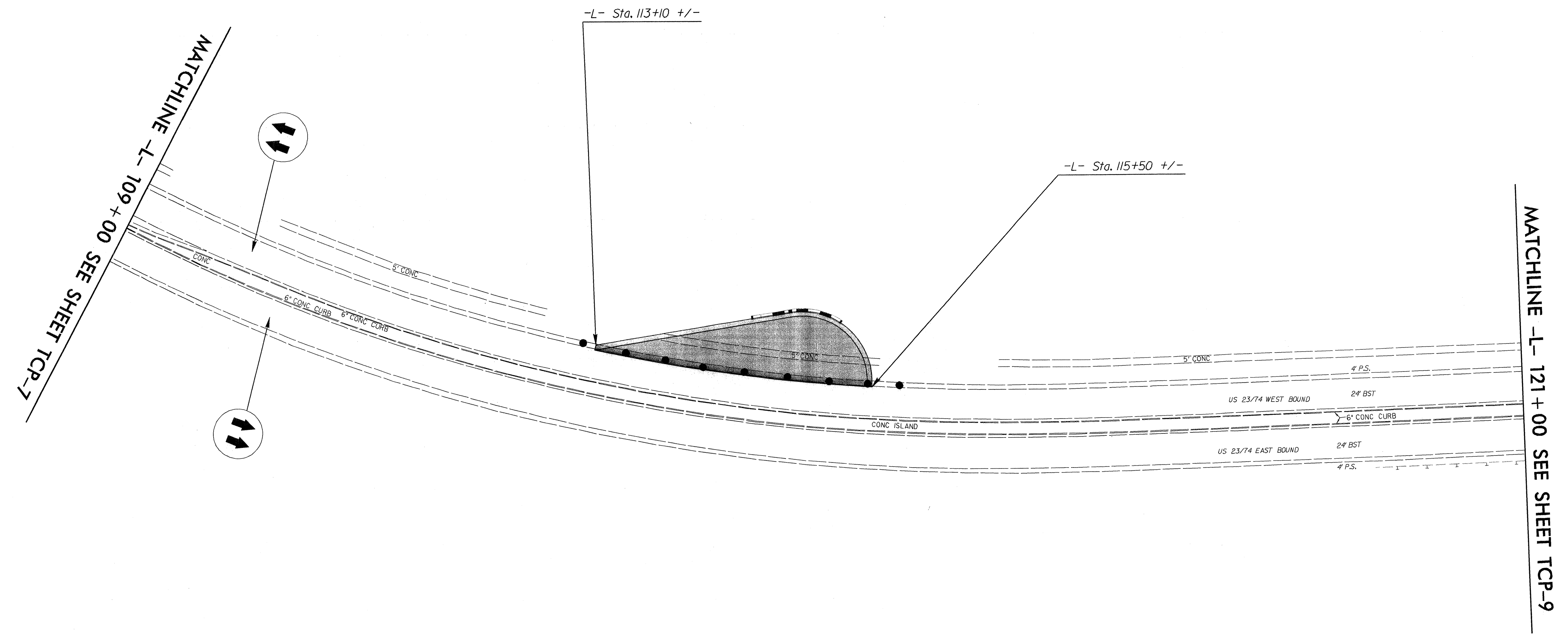
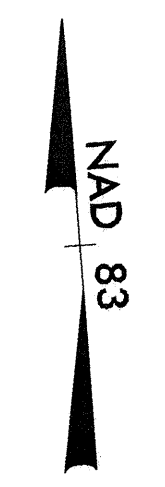
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 mac



REFER TO TCP-2, TCP-3, AND ROADWAY STD. DWG. 1101.02 SHEET 3 OF 9.

 <p>PLANS PREPARED BY : RUMMEL KLEPPER & KAHL, LLP <i>consulting engineers</i> 900 RIDGEFIELD DRIVE SUITE 350 RALEIGH, NORTH CAROLINA 27609-3960</p>	<p>SEAL</p> 	PHASE I																			
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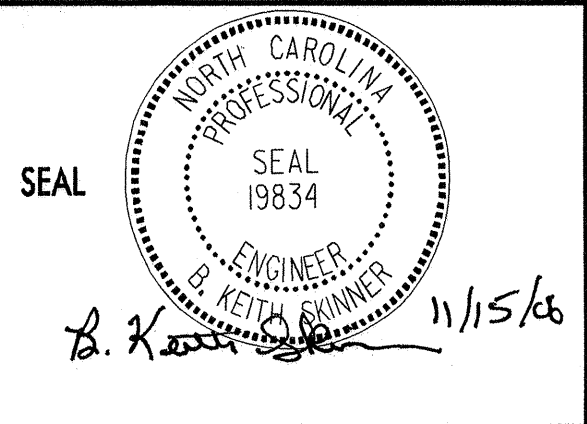


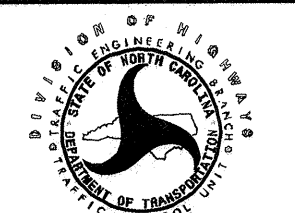
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REFER TO TCP-2, TCP-3, AND ROADWAY STD. DWG. 1101.02 SHEET 3 OF 9.

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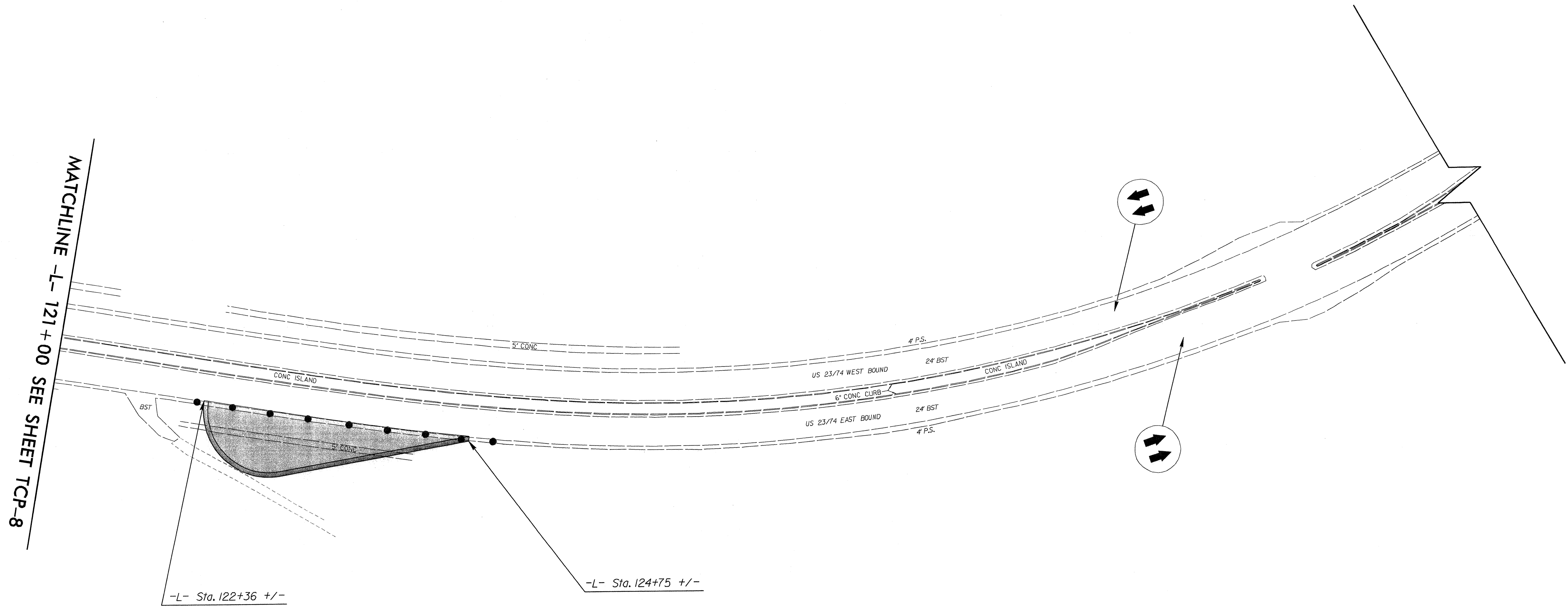


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8/17/99



MATCHLINE -L- 121+00 SEE SHEET TCP-8



REVISIONS

10/2/2006
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REFER TO TCP-2, TCP-3, AND ROADWAY STD. DWG. 1101.02 SHEET 3 OF 9.

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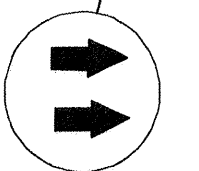
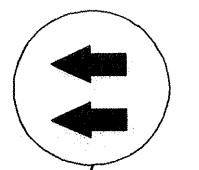
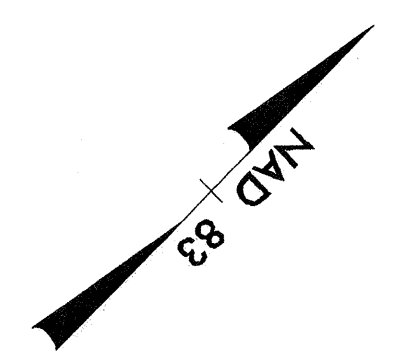
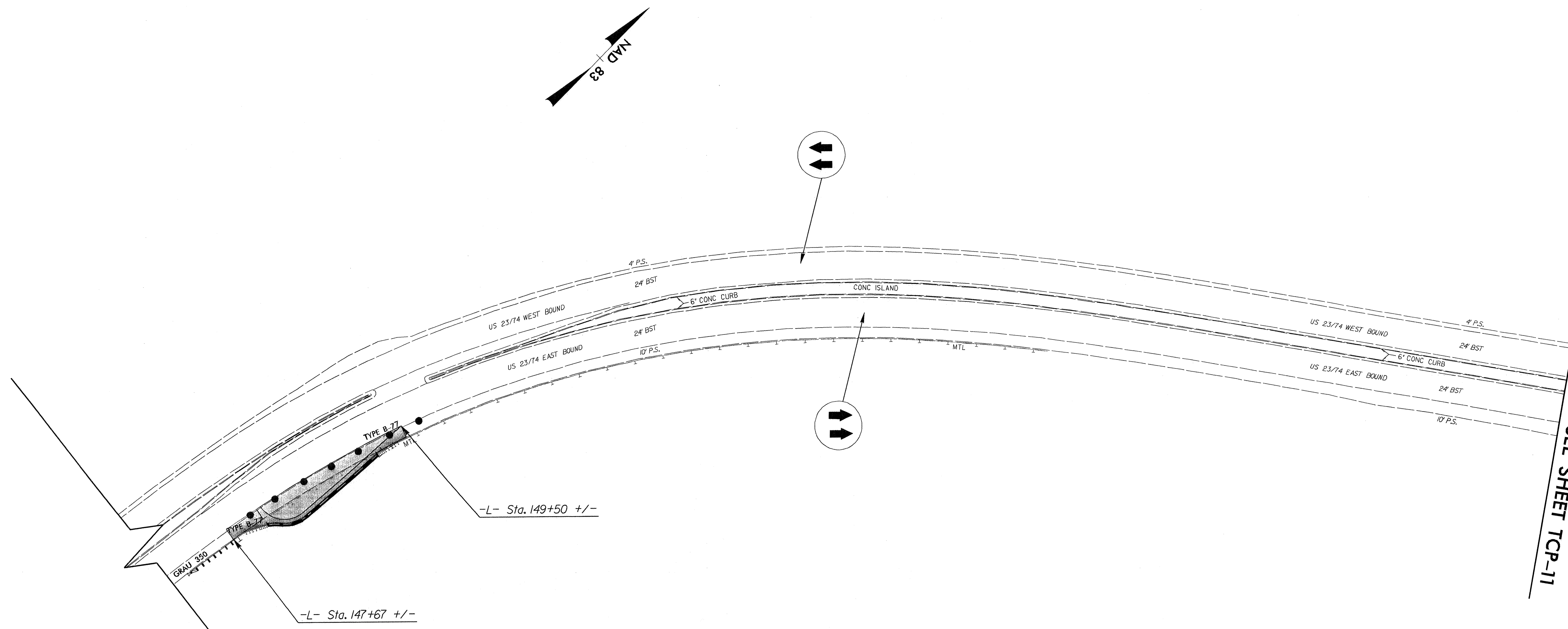
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DATE: 10 /06										
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DESIGN BY: MAC										

REVIEWED BY: BKS

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MATCHLINE -L- 160+00 SEE SHEET TCP-11



REVISIONS

8/17/99

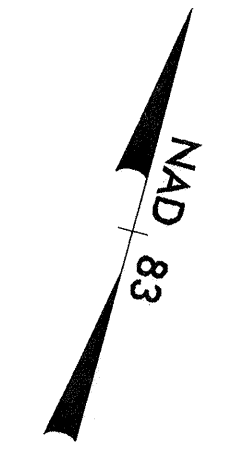
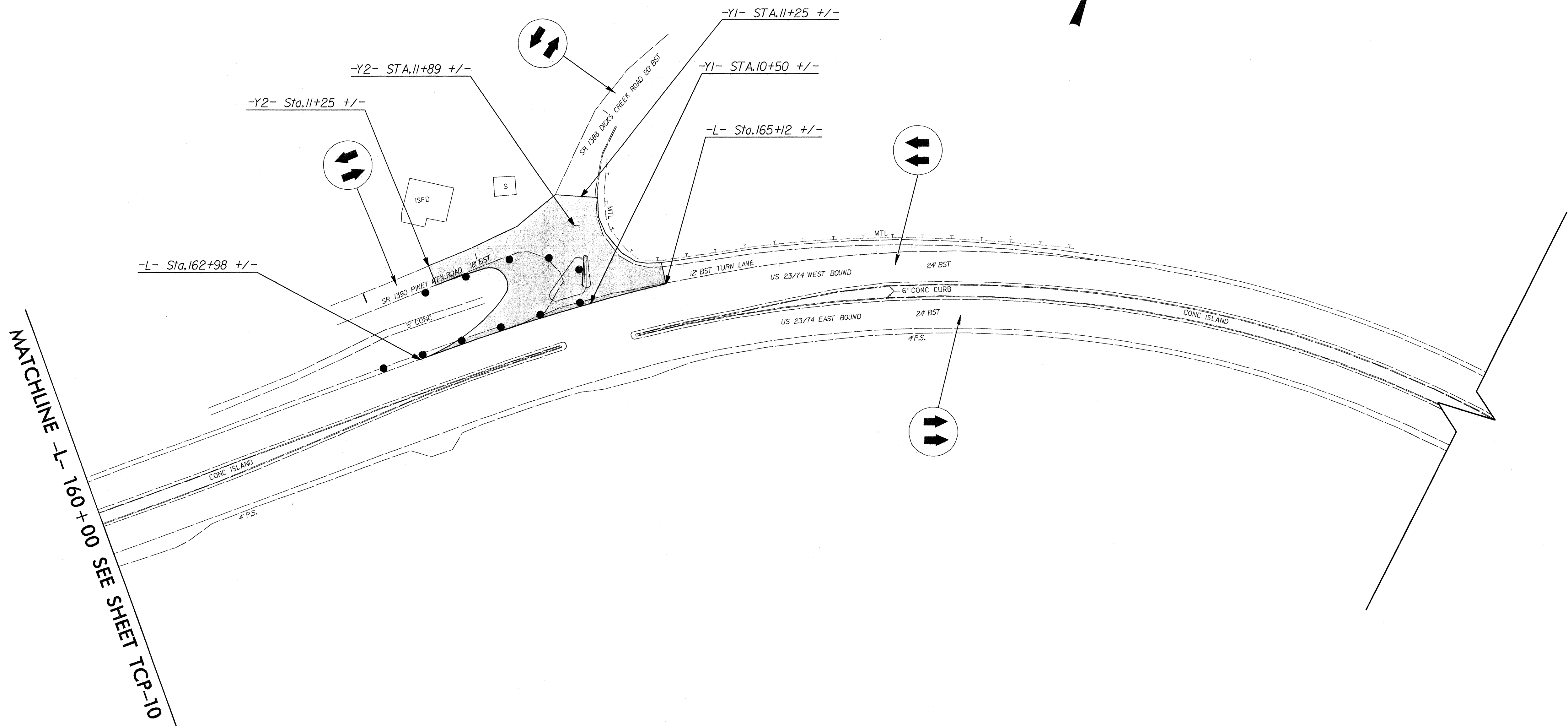
10/2/2006
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REFER TO TCP-2, TCP-3, AND ROADWAY STD. DWG. 1101.02 SHEET 3 OF 9.

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 NORTH CAROLINA
 PROFESSIONAL
 SEAL
 19834
 ENGINEER
 B. KEITH SKINNER
 B. Keith Skinner 11/15/06

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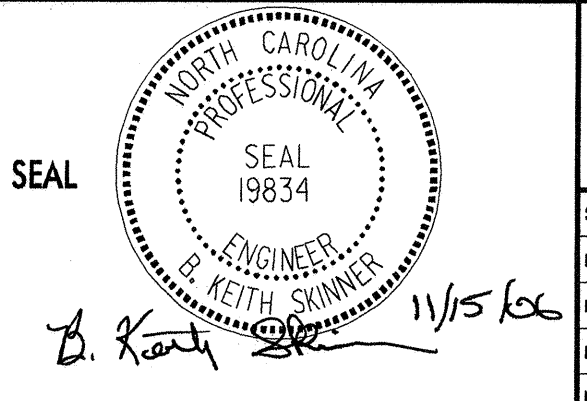
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REVISIONS

8/17/99
10/2/2006
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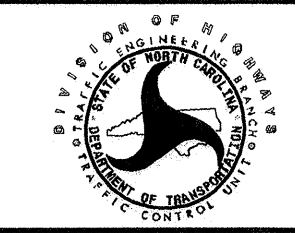
REFER TO TCP-2, TCP-3, AND ROADWAY STD. DWG. 101.02 SHEET 3 OF 9.

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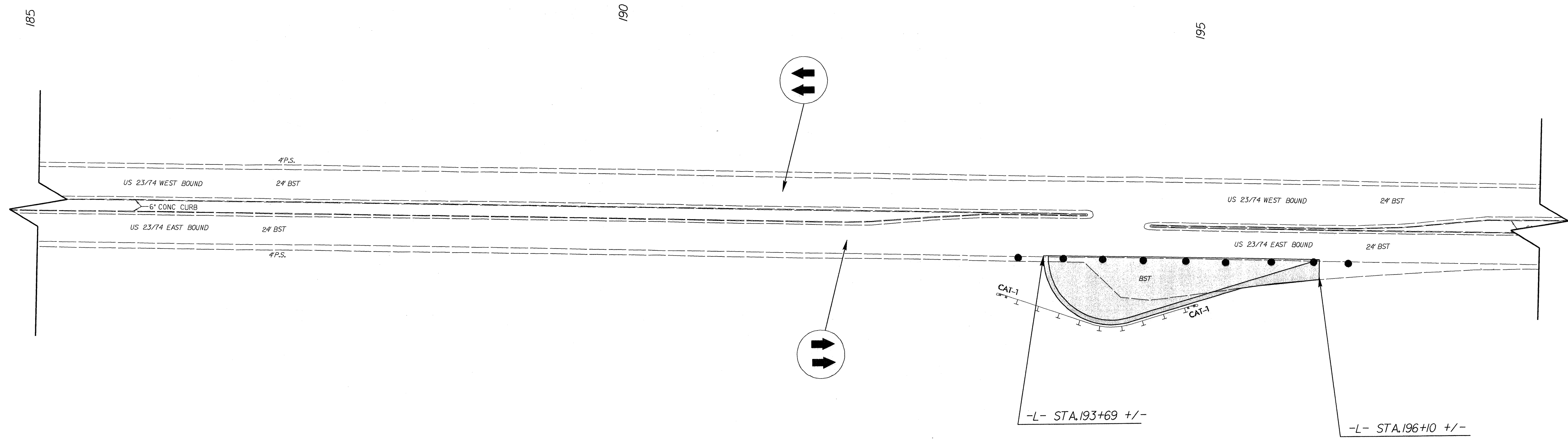
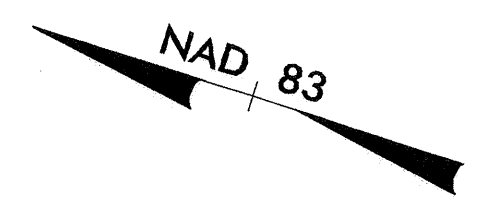
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DATE:	10 /06
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REVIEWED BY:	BKS



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REVISIONS

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10/2/2006
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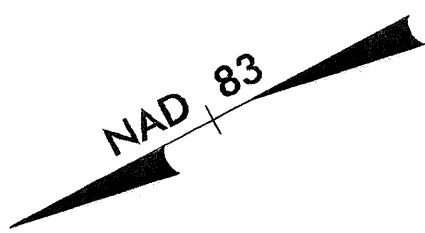
REFER TO TCP-2, TCP-3, AND ROADWAY STD. DWG. 101.02 SHEET 3 OF 9.

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consulting engineers
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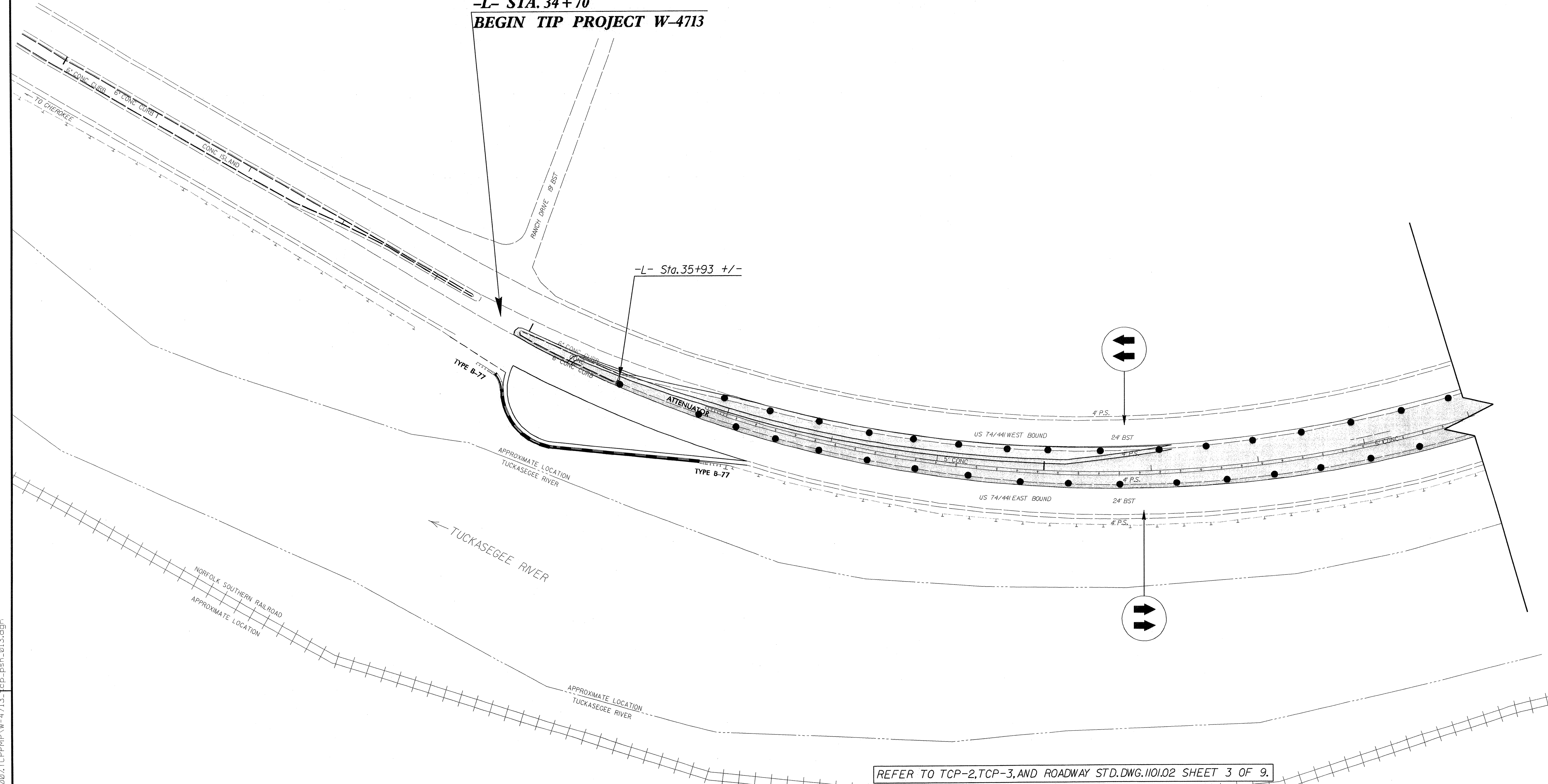
 B. Keith Skinner 11/15/06

PHASE I		REVISIONS	
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**-L- STA. 34+70
BEGIN TIP PROJECT W-4713**

-L- Sta. 35+93 +/-



REVISIONS

8/17/99
11/5/2006
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REFER TO TCP-2, TCP-3, AND ROADWAY STD. DWG. 1101.02 SHEET 3 OF 9.

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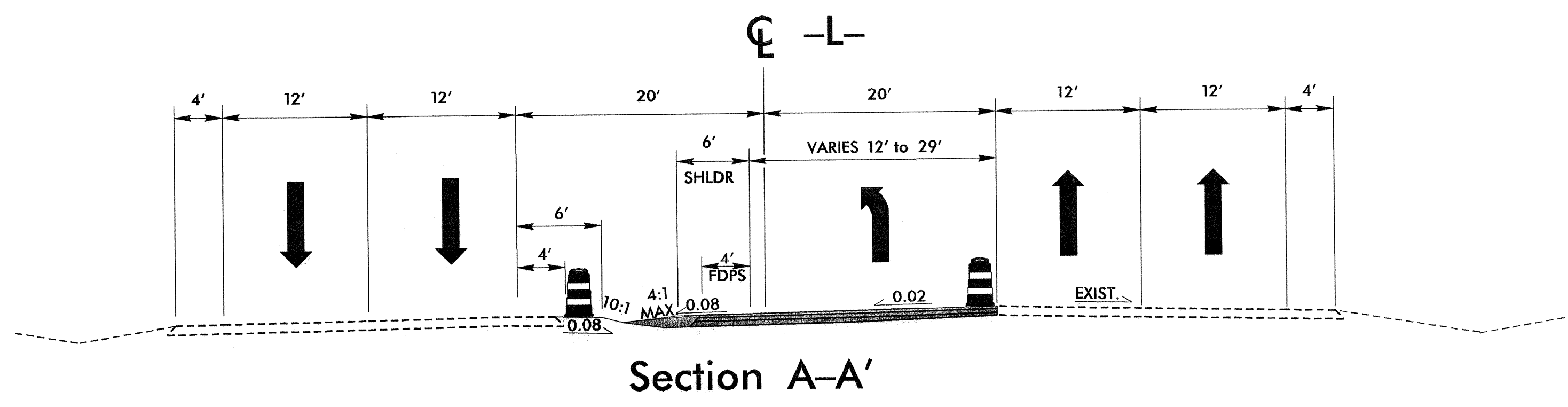
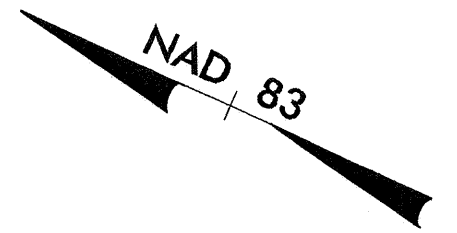
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PHASE II

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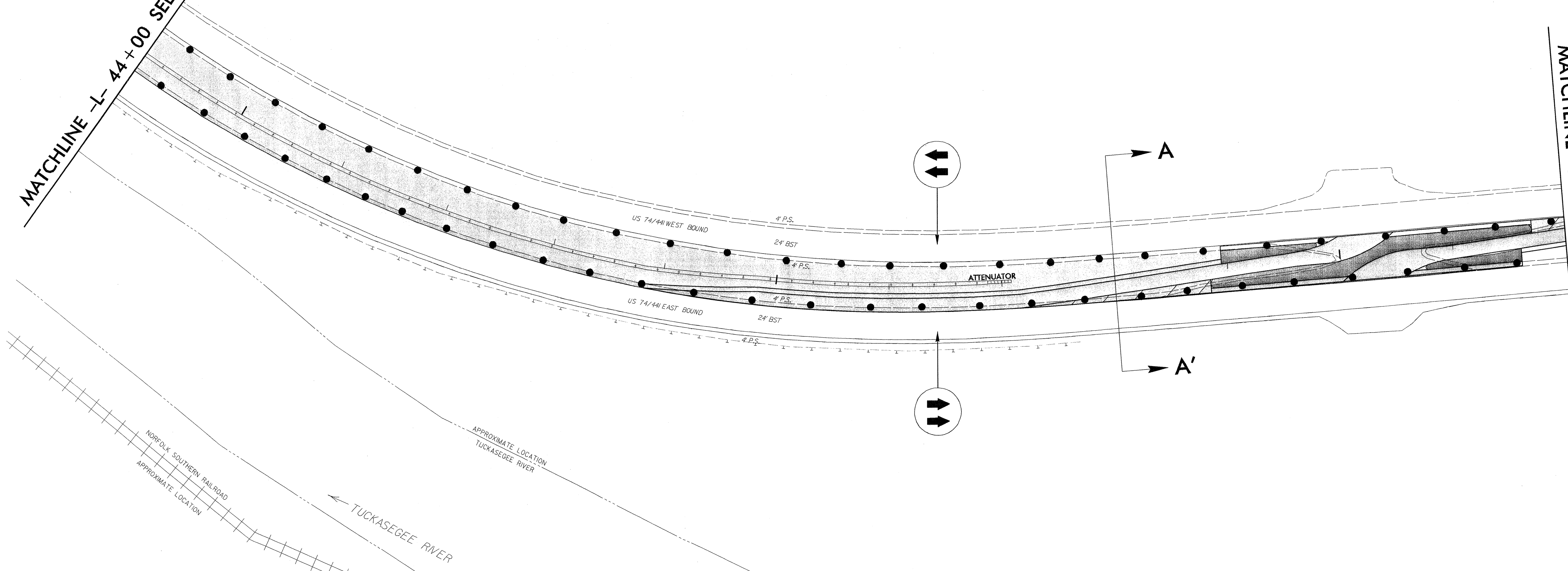
8/17/95



Section A-A'

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MATCHLINE -L- 57+00 SEE SHEET TCP-15

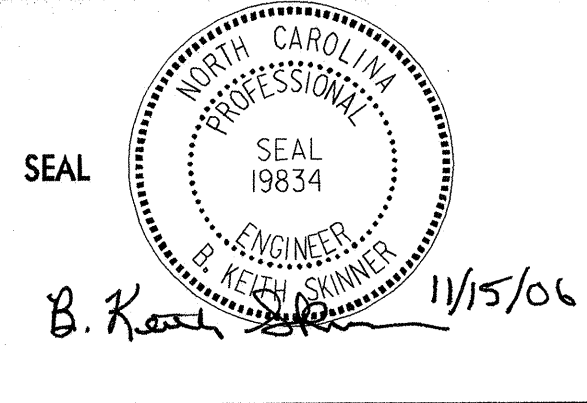


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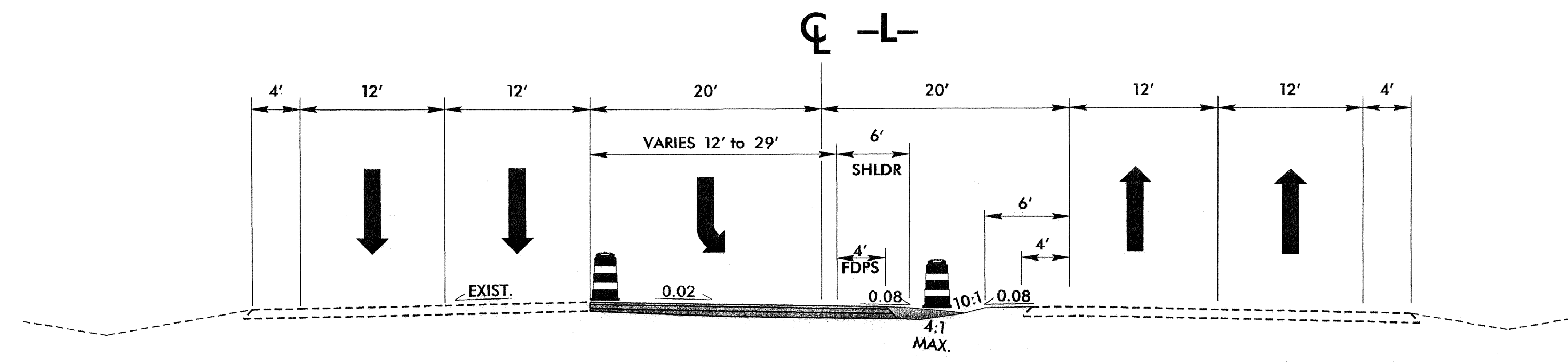
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mcole

REFER TO TCP-2, TCP-3, AND ROADWAY STD. DWG. 1101.02 SHEET 3 OF 9.

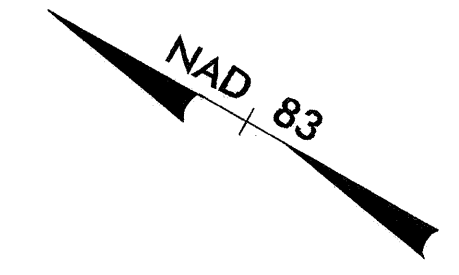
PLANS PREPARED BY :
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consulting engineers
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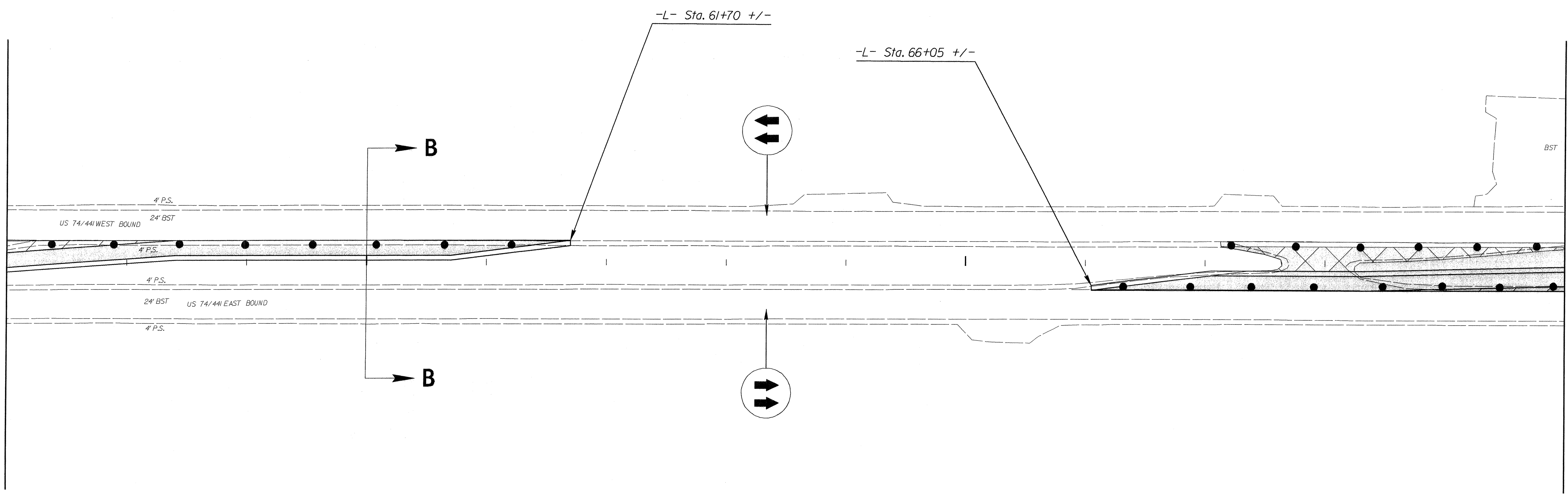
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Section B-B'



MATCHLINE -L- 57+00 SEE SHEET TCP-14



MATCHLINE -L- 70+00 SEE SHEET TCP-16

REVISIONS

10/3/2006
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 8/17/99

REFER TO TCP-2, TCP-3, AND ROADWAY STD. DWG. 1101.02 SHEET 3 OF 9.

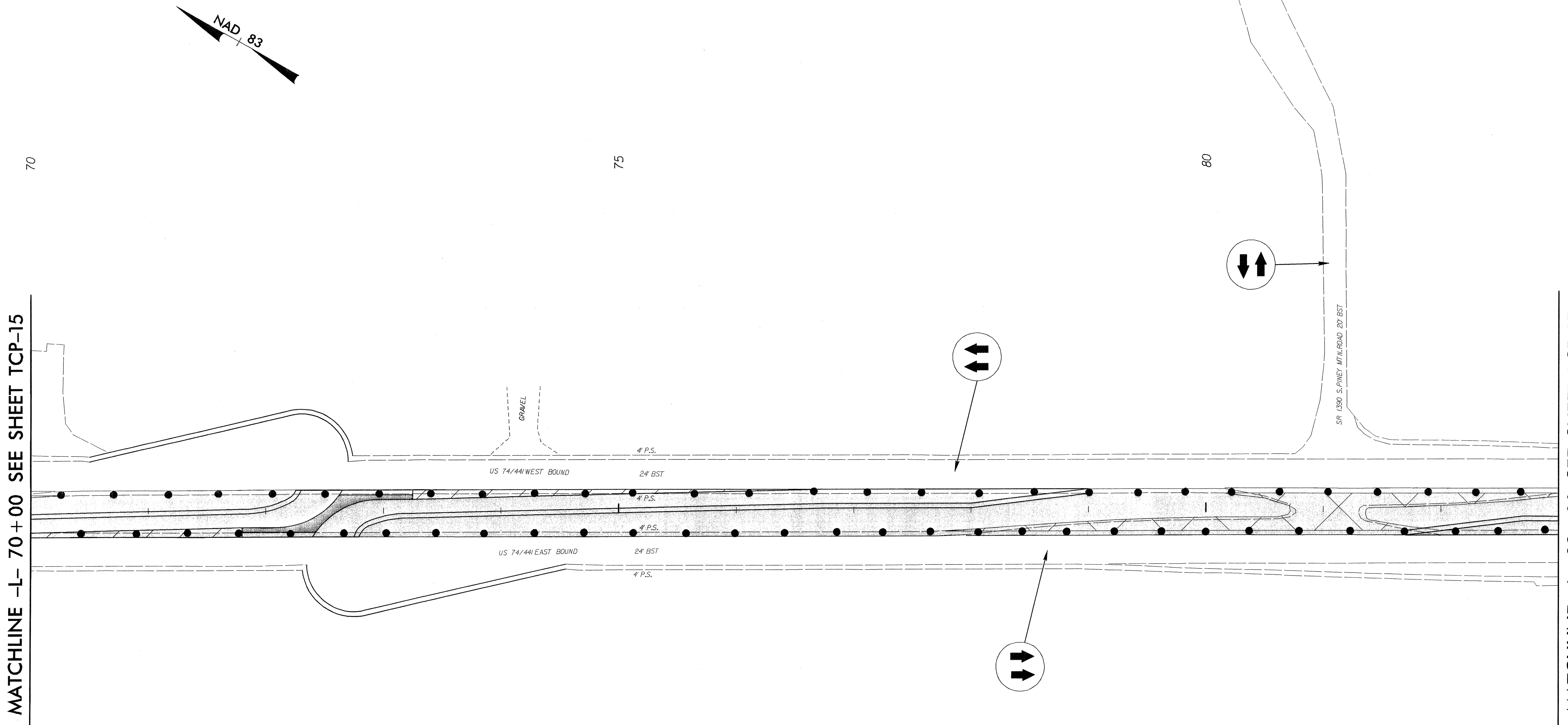
PLANS PREPARED BY :
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consulting engineers
 900 RIDGEFIELD DRIVE SUITE 350
 RALEIGH, NORTH CAROLINA 27609-3960
FOR
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B. Keith Swinner 11/15/06

PHASE II

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DESIGN BY: MAC										
REVIEWED BY: BKS	CADD FILE: TCP15.DGN									



MATCHLINE -L- 70 + 00 SEE SHEET TCP-15

MATCHLINE -L- 83 + 00 SEE SHEET TCP-17

REVISIONS

10/3/2006
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 8/17/99

REFER TO TCP-2, TCP-3, AND ROADWAY STD. DWG. 1101.02 SHEET 3 OF 9.

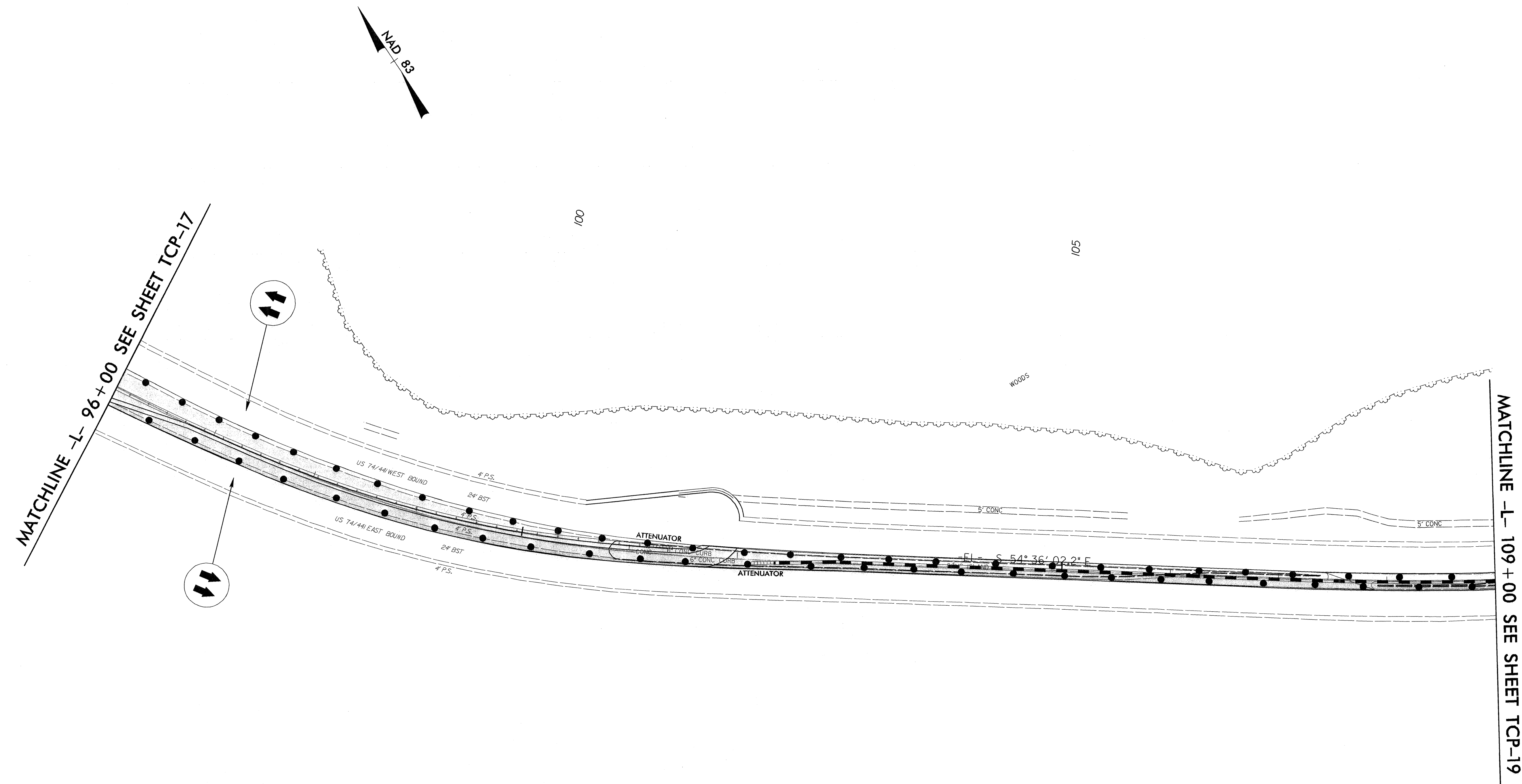
PLANS PREPARED BY :
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 B. Keith Rummel 11/5/06

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8/17/99



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REFER TO TCP-2, TCP-3, AND ROADWAY STD. DWG. 1101.02 SHEET 3 OF 9.

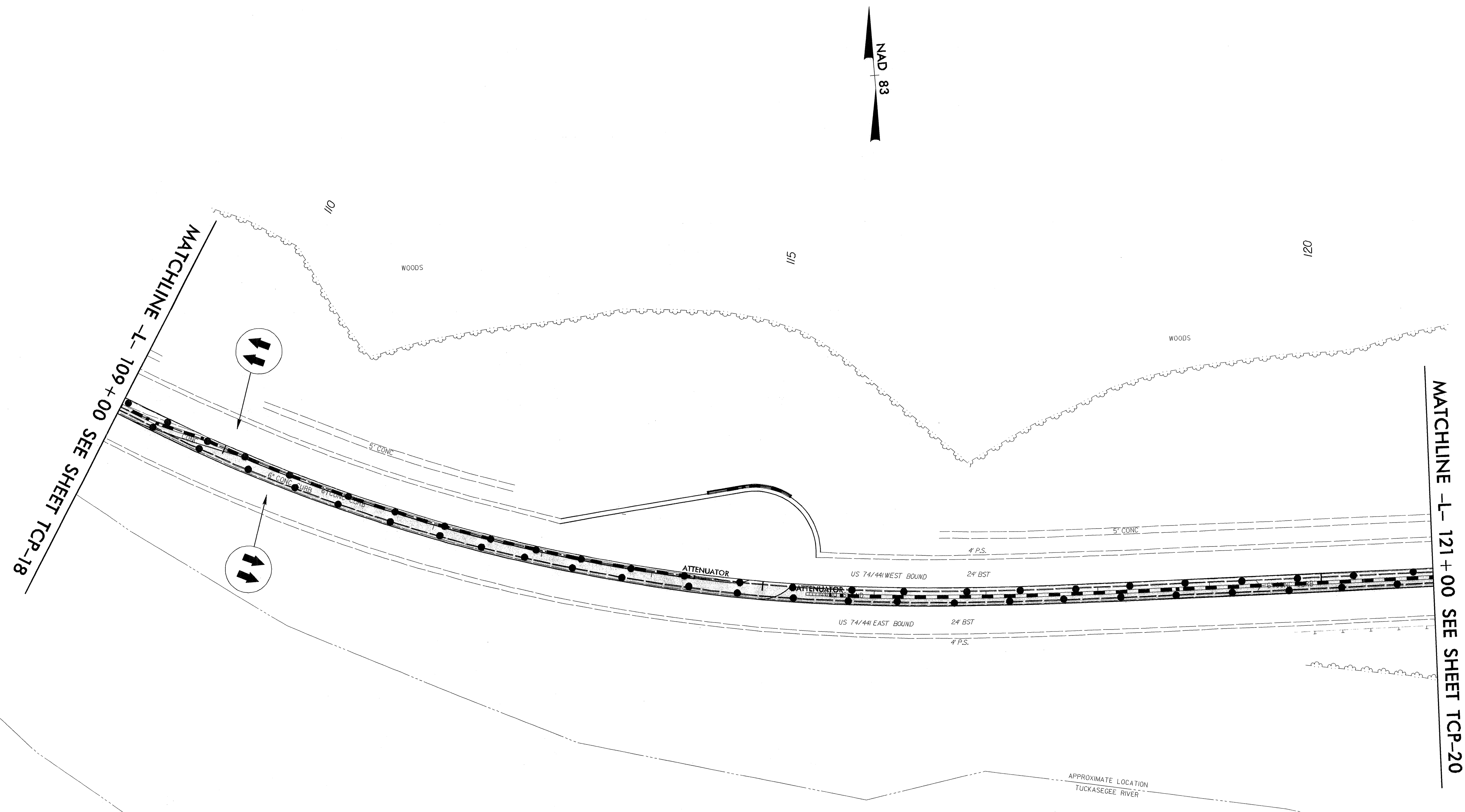
PLANS PREPARED BY :
RUMMEL KLEPPER & KAHL, LLP
consulting engineers
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REVIEWED BY: BKS			
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8/17/99



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10/3/2006
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 nicole

NORFOLK SOUTHERN RAILROAD
 APPROXIMATE LOCATION

REFER TO TCP-2, TCP-3, AND ROADWAY STD. DWG. 1101.02 SHEET 3 OF 9.

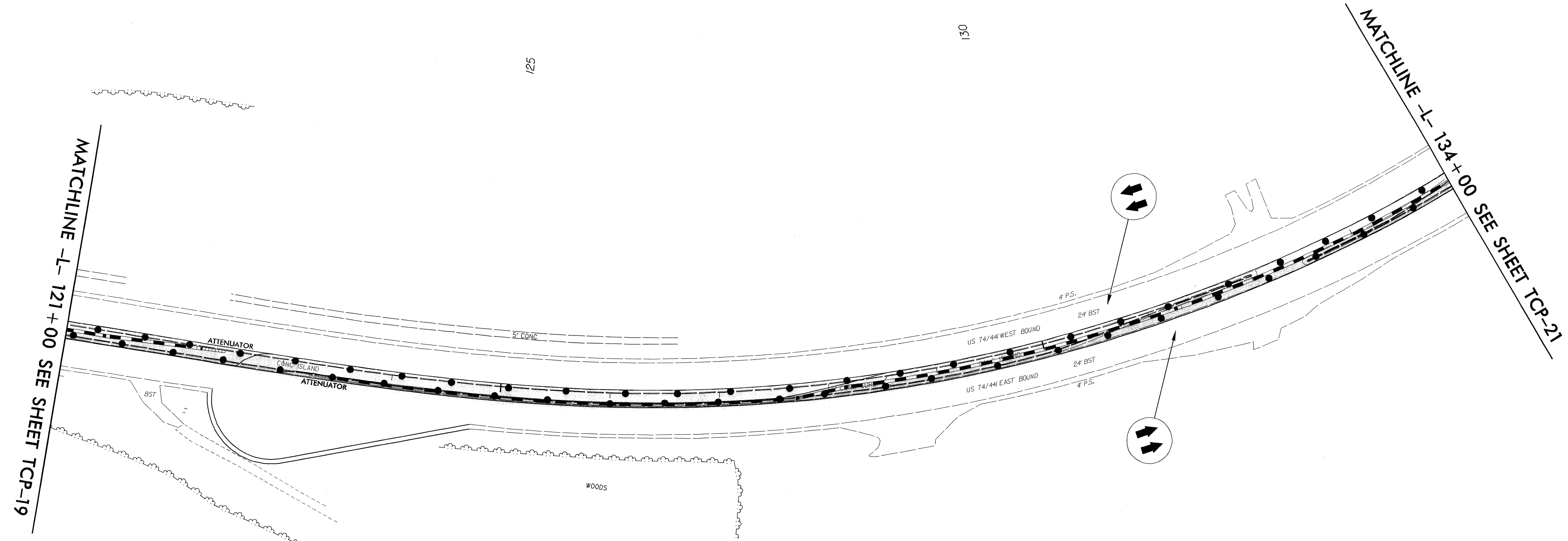
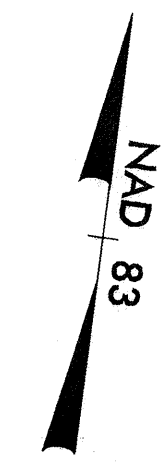
PLANS PREPARED BY :
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consulting engineers
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REVISIONS

10/3/2006
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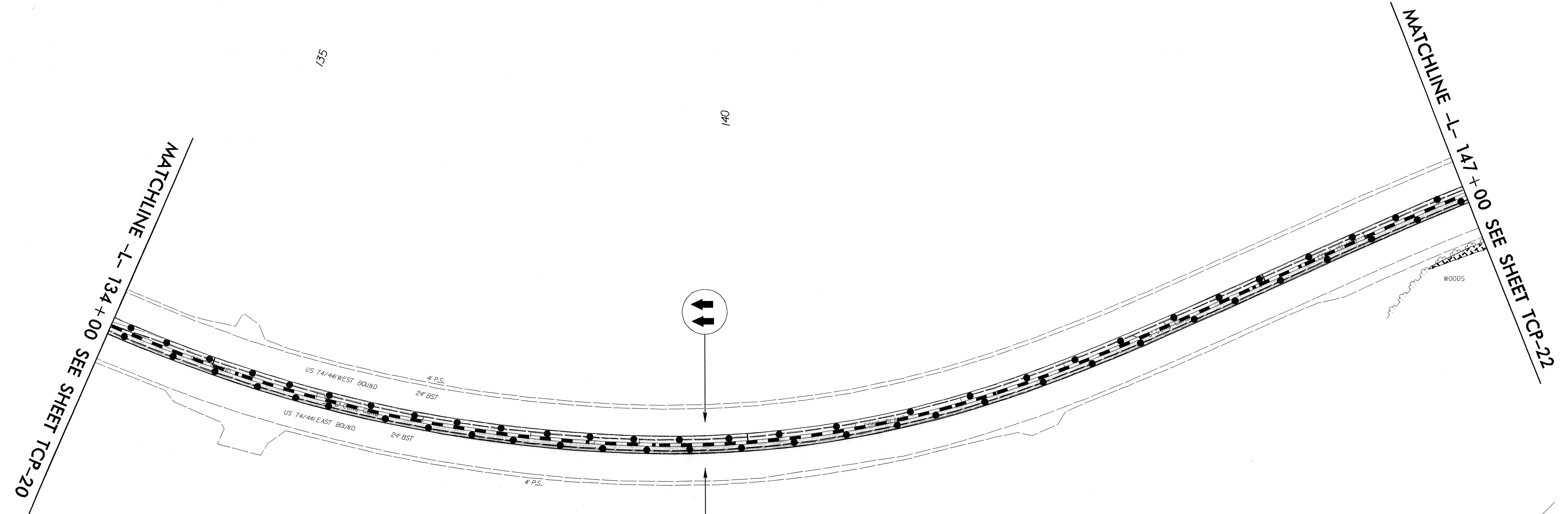
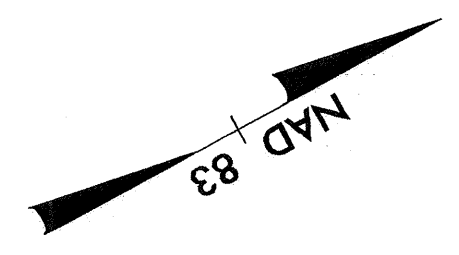
PLANS PREPARED BY :
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consulting engineers
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PHASE II		REVISIONS	
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CADD FILE: TCP20.DGN			

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REFER TO TCP-2, TCP-3, AND ROADWAY STD. DWG. 1101.02 SHEET 3 OF 9.

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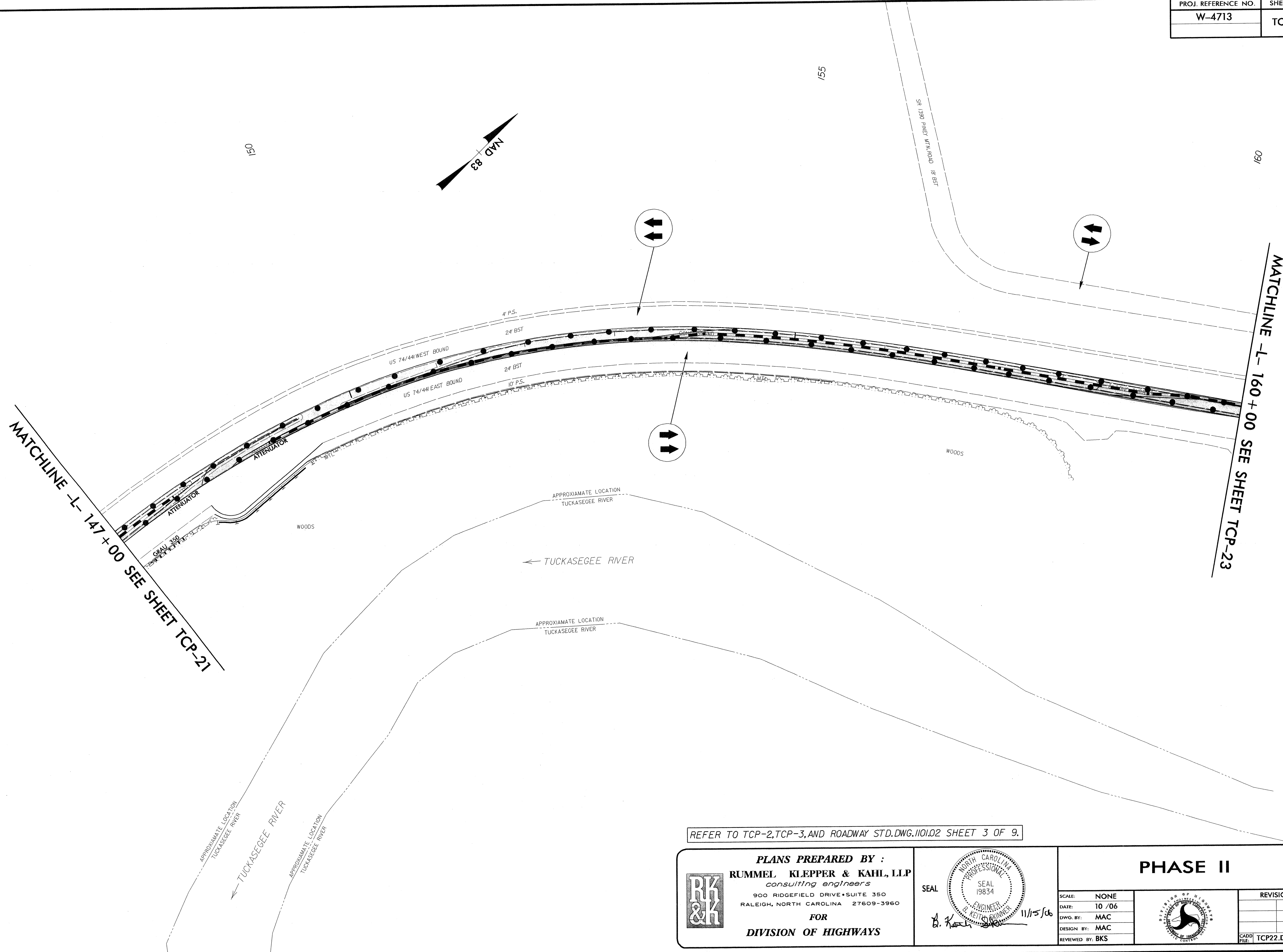
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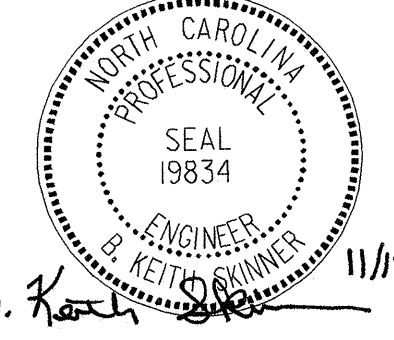
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REFER TO TCP-2, TCP-3, AND ROADWAY STD. DWG. 101.02 SHEET 3 OF 9.

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FOR
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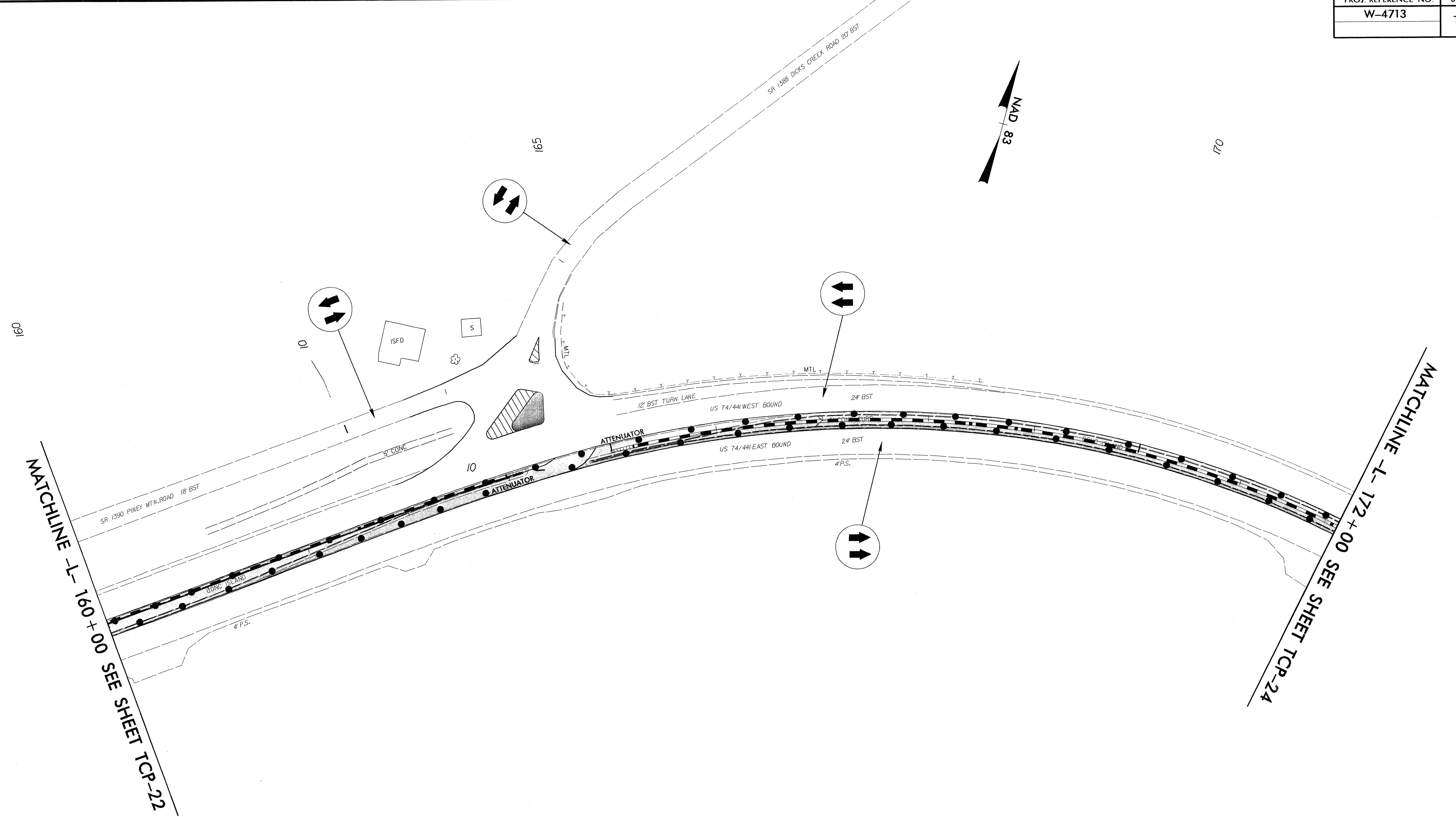
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REFER TO TCP-2, TCP-3, AND ROADWAY STD. DWG. 1101.02 SHEET 3 OF 9.

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 NORTH CAROLINA PROFESSIONAL ENGINEER
 SEAL 19834
 B. K... 11/15/06

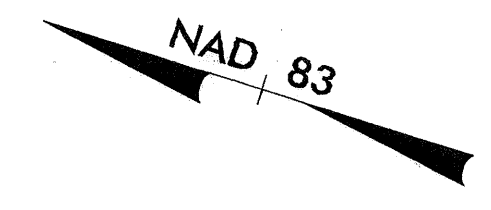
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8/17/99

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10/7/2006
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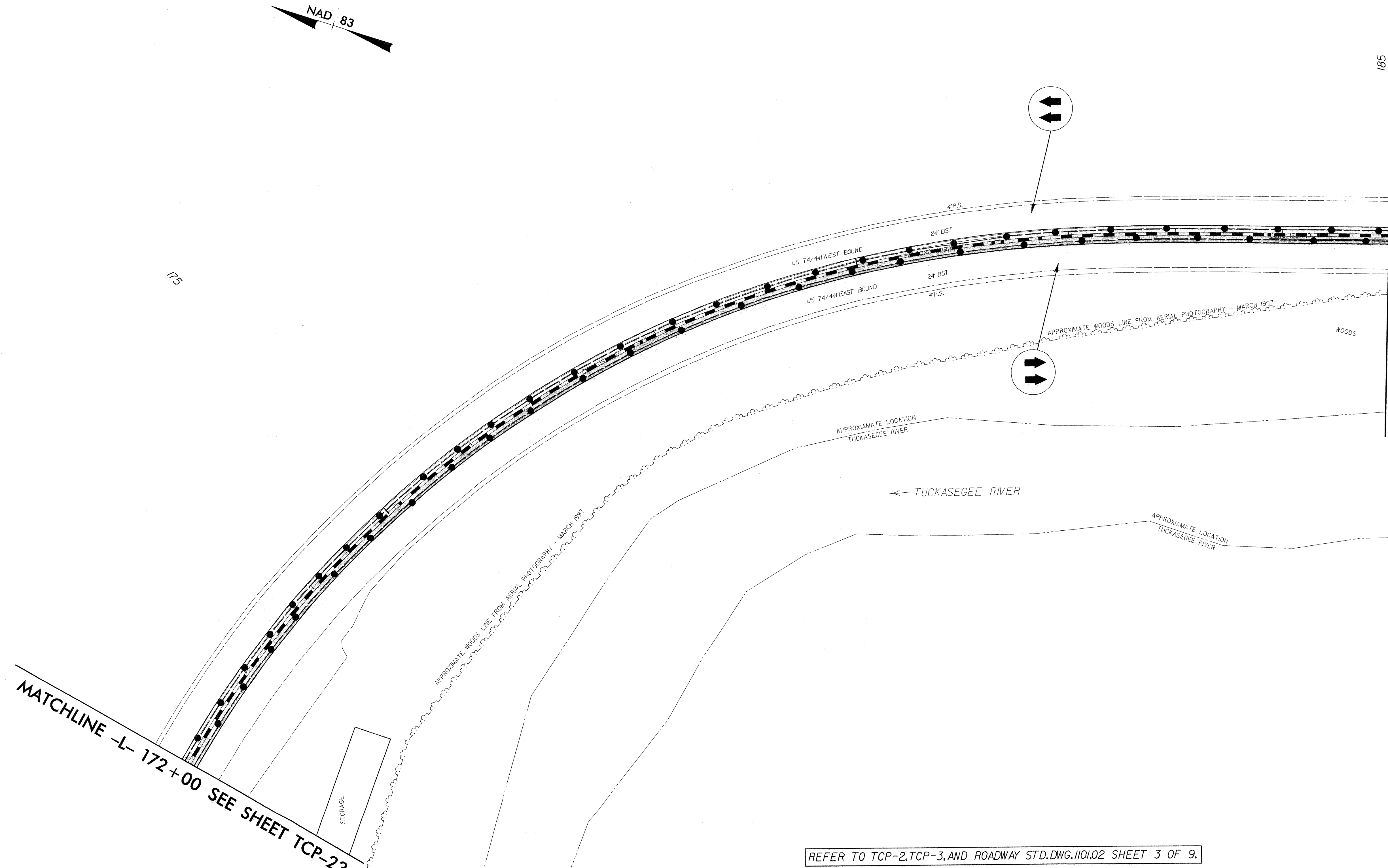


175

180

185

MATCHLINE -L- 185+00 SEE SHEET TCP-25



REFER TO TCP-2, TCP-3, AND ROADWAY STD. DWG. 101.02 SHEET 3 OF 9.

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SEAL

PHASE II

SCALE: NONE		<table border="1"> <tr> <th colspan="2">REVISIONS</th> </tr> <tr> <td> </td> <td> </td> </tr> <tr> <td> </td> <td> </td> </tr> <tr> <td> </td> <td> </td> </tr> <tr> <td> </td> <td> </td> </tr> </table>	REVISIONS									
REVISIONS												
DATE: 10 /06												
DWG. BY: MAC												
DESIGN BY: MAC												
REVIEWED BY: BKS												

CADD FILE: TCP24.DGN

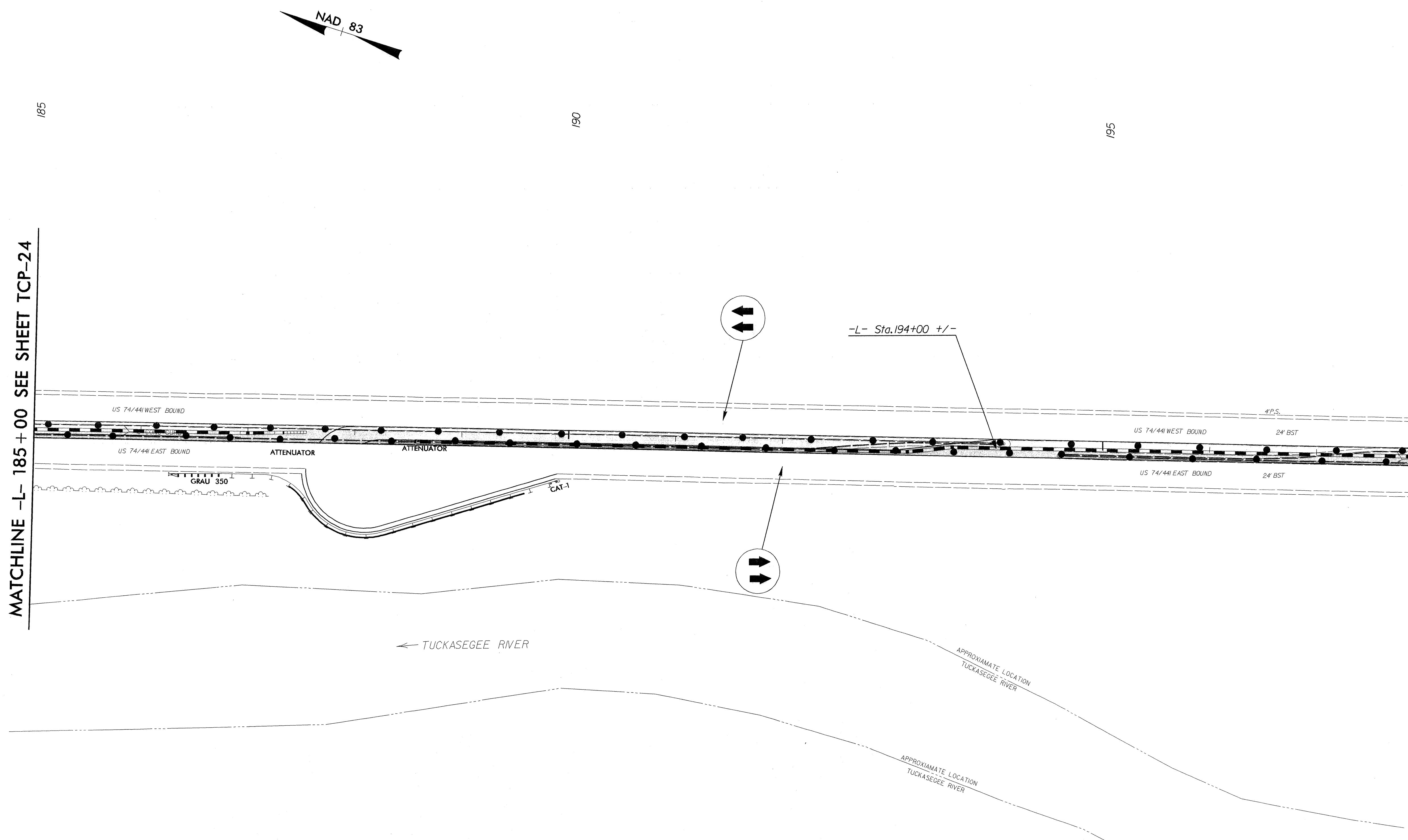
8/17/99

REVISIONS

10/3/2006
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MATCHLINE -L- 185 + 00 SEE SHEET TCP-24

MATCHLINE -L- 198 + 00 SEE SHEET TCP-26



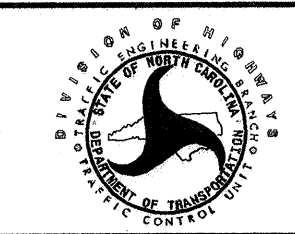
REFER TO TCP-2, TCP-3, AND ROADWAY STD. DWG. 1101.02 SHEET 3 OF 9.

PLANS PREPARED BY :
RUMMEL KLEPPER & KAHL, LLP
consulting engineers
 900 RIDGEFIELD DRIVE • SUITE 350
 RALEIGH, NORTH CAROLINA 27609-3960
FOR
DIVISION OF HIGHWAYS

SEAL
 NORTH CAROLINA
 PROFESSIONAL
 SEAL
 19834
 ENGINEER
 BY KEITH SKINNER
 11/15/06

PHASE II

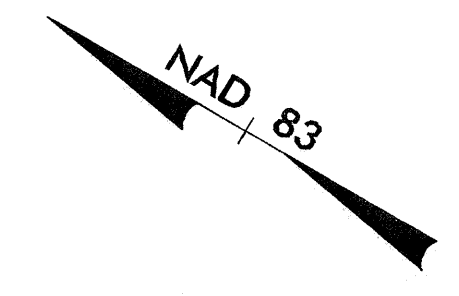
SCALE: NONE
 DATE: 10 / 06
 DWG. BY: MAC
 DESIGN BY: MAC
 REVIEWED BY: BKS



REVISIONS	

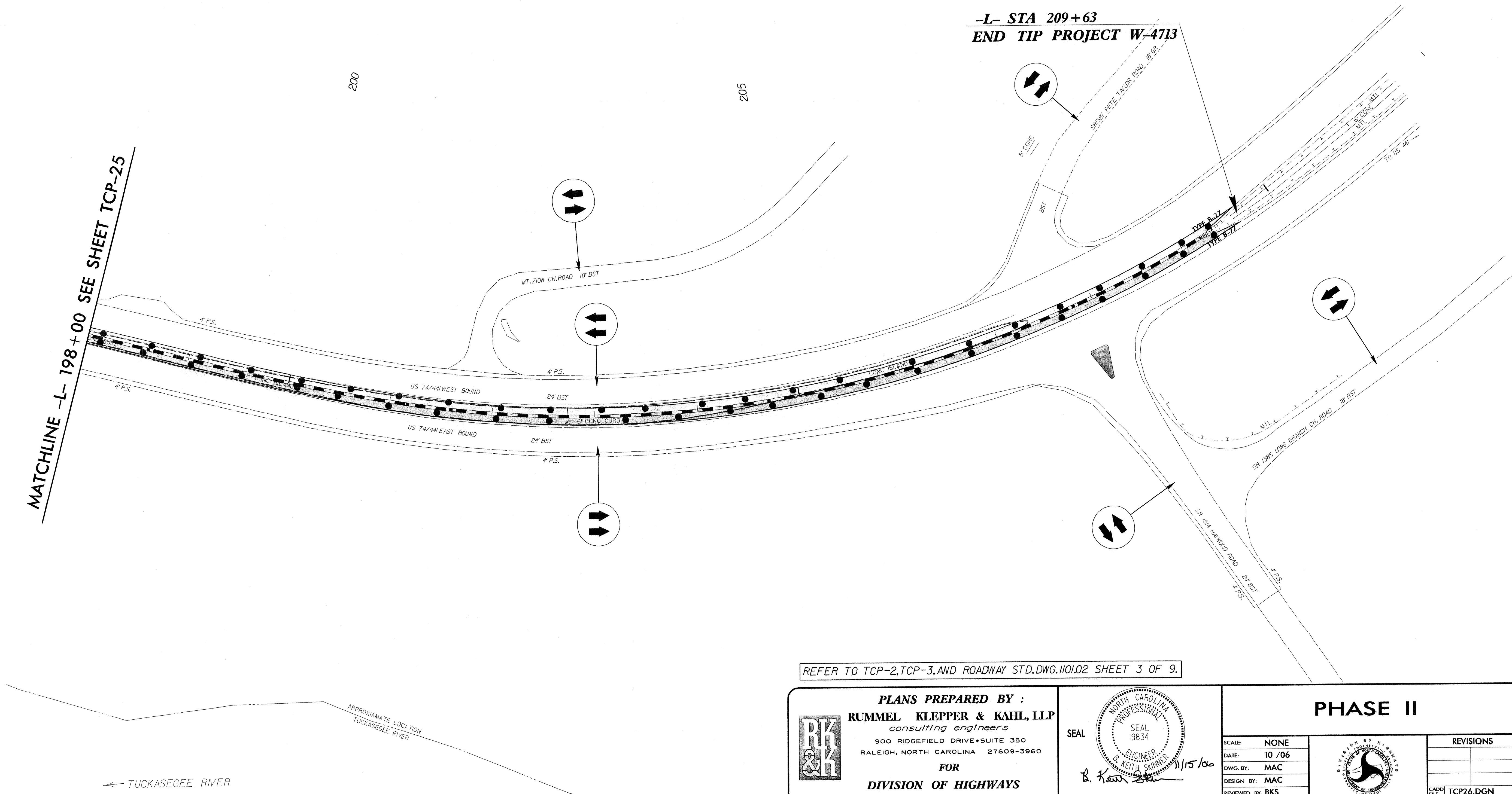
CADD FILE: TCP25.DGN

8/17/99



MATCHLINE -L- 198+00 SEE SHEET TCP-25

**-L- STA 209+63
END TIP PROJECT W-4713**



REVISIONS

10/3/2006
R:\Traffic\TrafficControl\1007\TCPMP\W-4713_tcp_psh_026.dgn

REFER TO TCP-2, TCP-3, AND ROADWAY STD. DWG. 1101.02 SHEET 3 OF 9.

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FOR
DIVISION OF HIGHWAYS

SEAL

B. Keith Skinner 11/15/06

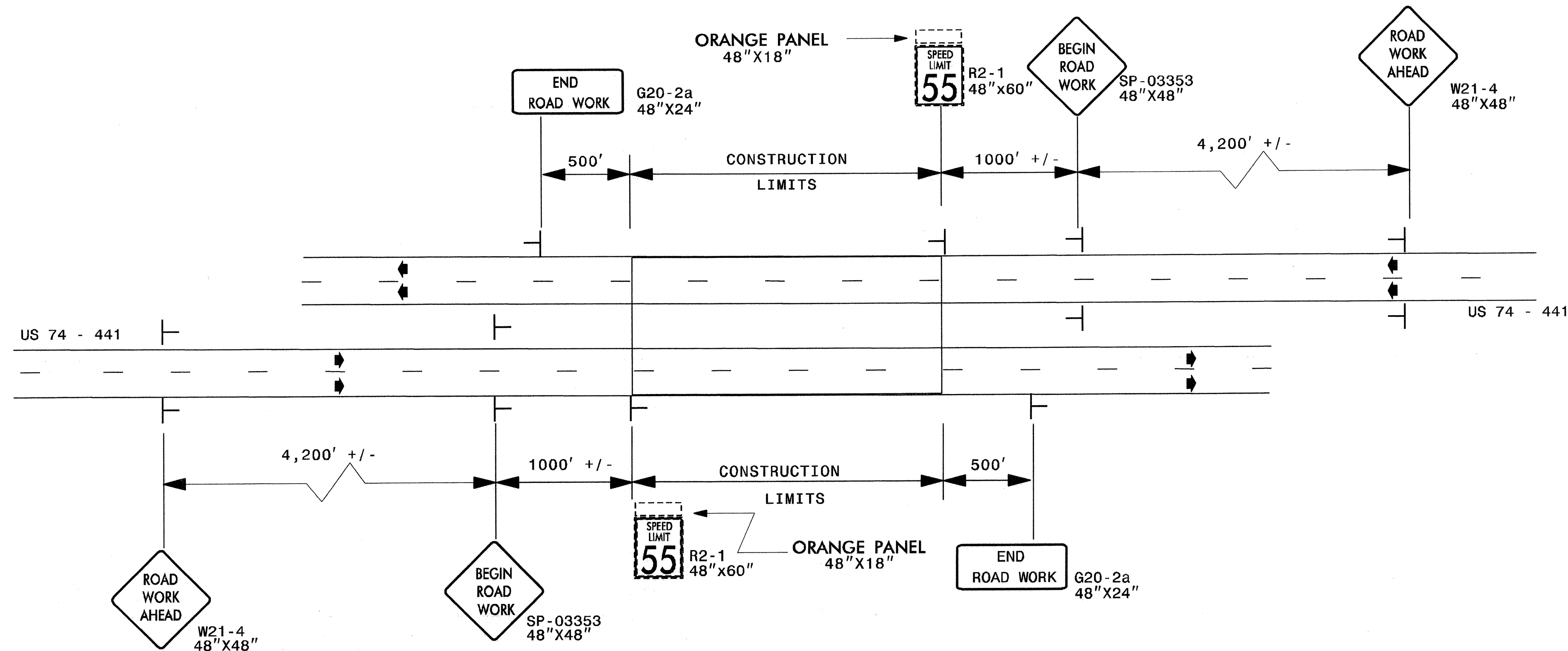
PHASE II

SCALE: NONE		REVISIONS
DATE: 10 /06		
DWG. BY: MAC		
DESIGN BY: MAC		
REVIEWED BY: BKS		CADD FILE: TCP26.DGN

ADVANCED WORK ZONE WARNING SIGNING FOR FREEWAYS (4 LANES OR GREATER)

PROJ. REFERENCE NO.	SHEET NO.
W-4713	TCP-27

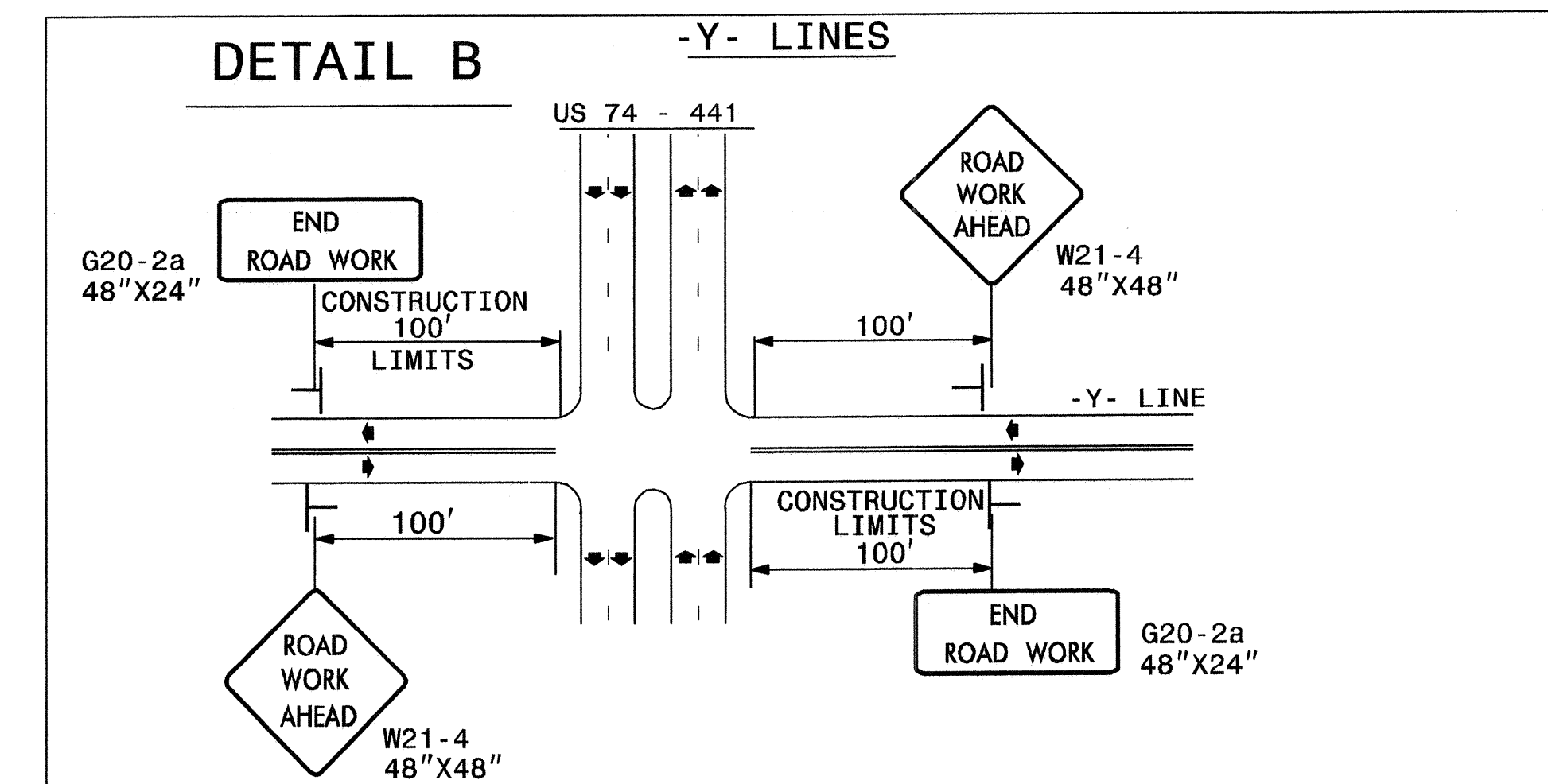
DETAIL A



LEGEND	
	STATIONARY SIGN
▶	DIRECTION OF TRAFFIC FLOW

GENERAL NOTES

- USE FLUORESCENT ORANGE SHEETING (TYPE VII OR HIGHER) ON ALL ADVANCED WORK ZONE SIGNS.
- DO NOT INSTALL ADVANCE WARNING SIGNS MORE THAN 3 DAYS PRIOR TO BEGINNING OF WORK.
- SIGNS SHOWN ARE REQUIRED FOR WORK ZONES THAT WILL REMAIN IN EFFECT OVERNIGHT. FOR SHORT-TERM DAILY MAINTENANCE TYPE OPERATIONS, THIS SIGNING APPLICATION IS OPTIONAL; MAY USE ONLY APPLICABLE ROADWAY STANDARD DRAWINGS INSTEAD. HOWEVER, IF THIS SIGNING APPLICATION IS USED, SIGNS MAY BE PORTABLE MOUNTED.
- ALL SIGN SPACING DIMENSIONS ARE APPROXIMATE, FIELD ADJUST AS NECESSARY OR AS DIRECTED.
- USE 3LB STEEL U-CHANNEL POST OR 4" X 4" WOOD POST FOR ALL WORK ZONE SIGNS. 3LB STEEL U-CHANNEL POSTS MUST MEET THE REQUIREMENTS OF STANDARD SPECIFICATION SECTION 1094-1(B), MAY BE GALVANIZED STEEL, OR MAY BE PAINTED GREEN BY THE POST MANUFACTURER. SQUARE STEEL TUBING POSTS HAVING EQUIVALENT STRENGTH OF THE 3 LB STEEL U-CHANNEL POST ARE ALSO ACCEPTABLE FOR USE. ERECT SIGNS PER ROADWAY STANDARD DRAWING 1110.01. PAYMENT FOR WOOD POSTS, 3LB STEEL U-CHANNEL AND SQUARE STEEL TUBING POSTS WITH SIGNS WILL BE MADE ACCORDING TO STANDARD SPECIFICATION "WORK ZONE SIGNS" SECTION 1110.
- WHEN NECESSARY, USE SPLICING IN ACCORDANCE WITH ROADWAY STANDARD DRAWING NO. 1110.01. REMOVE ENTIRE POST WHEN REMOVING SIGNS WITH SPLICED POSTS.
- DO NOT BACK BRACE SIGN SUPPORTS.



10/2/2006
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mcole

	ADVANCED WORK ZONE WARNING SIGNS FOR FREEWAYS (4 LANES OR GREATER)	REVISIONS
SCALE: NONE	DATE: 10 /06	DESIGN BY: JI
DESIGN BY: JI	REVIEWED BY: BKS	CADD FILE: W-4713_tcp_psh_027.dgn