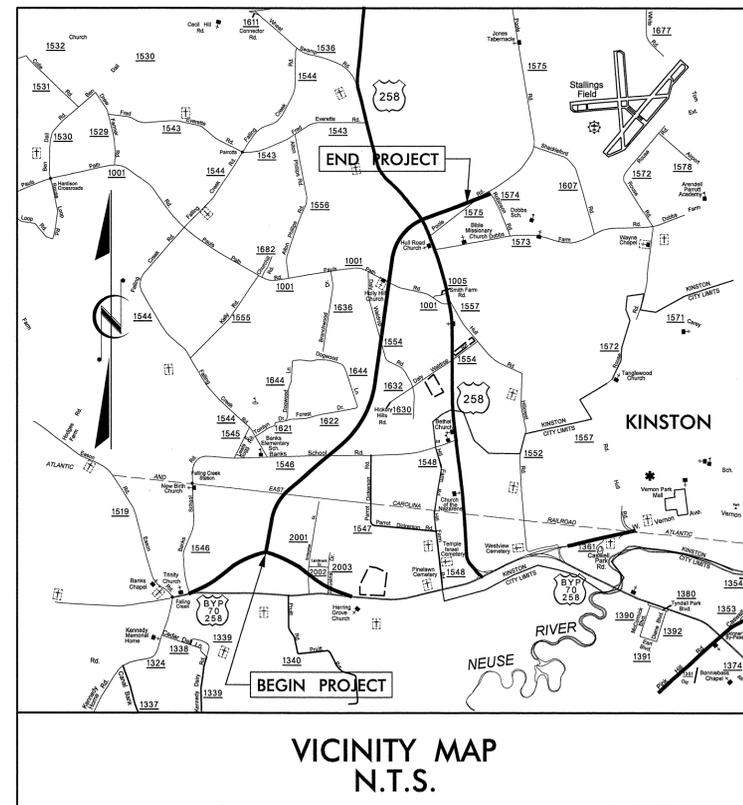


STATE OF NORTH CAROLINA  
DIVISION OF HIGHWAYS

**TRANSPORTATION MANAGEMENT PLAN**

**LENOIR COUNTY**



**INDEX OF SHEETS**

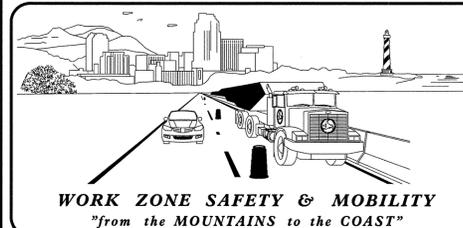
SHEET NO.	TITLE
TMP-1	TITLE SHEET AND INDEX OF SHEETS
TMP-1A	LIST OF APPLICABLE ROADWAY STANDARD DRAWINGS, LEGEND, INDEX OF SHEETS, TEMPORARY PAVEMENT MARKING SCHEDULE
TMP-2	GENERAL NOTES
TMP-3 TO TMP-4	PROJECT PHASING
TMP-5	PHASE I OVERVIEW
TMP-06 TO TMP-07	PHASE I DETAILS
TMP-08 TO TMP-23	PHASE II OVERVIEWS

SHEET NO.  
TMP-1

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**N.C.D.O.T. WORK ZONE TRAFFIC CONTROL**  
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APPROVED: \_\_\_\_\_  
DATE: \_\_\_\_\_

SEAL

# 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 JANUARY 2012 ARE APPLICABLE TO THIS PROJECT AND BY REFERENCE HEREBY ARE CONSIDERED A PART OF THESE PLANS:

STD. NO.	TITLE
1101.01	WORK ZONE ADVANCE WARNING SIGNS
1101.02	TEMPORARY LANE CLOSURES
1101.03	TEMPORARY ROAD CLOSURES
1101.04	TEMPORARY SHOULDER CLOSURES
1101.05	WORK ZONE VEHICLE ACCESSSES
1101.11	TRAFFIC CONTROL PLAN 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 - REFLECTIVE END TREATMENT
1165.01	TRUCK MOUNTED IMPACT ATTENUATOR
1170.01	POSITVIE PROTECTION
1180.01	SKINNY DRUM
1205.01	PAVEMENT MARKINGS - LINE TYPES & OFFSETS
1205.02	PAVEMENT MARKINGS - 2 LANE & MULTILANE ROADWAYS
1205.03	PAVEMENT MARKINGS - INTERCHANGES
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 & WORDS
1205.12	PAVEMENT MARKINGS - BRIDGES
1205.13	PAVEMENT MARKINGS - LANE REDUCTIONS
1250.01	RAISED PAVEMENT MARKERS - INSTALLATION SPACING
1251.01	RAISED PAVEMENT MARKERS (PERMANENT & TEMPORARY)
1261.01	GUARDRAIL & BARRIER DELINEATORS - INSTALLATION AND SPACING
1261.02	GUARDRAIL & BARRIER DELINEATORS - TYPES AND MOUNTING
1262.01	GUARDRAIL END DELINEATION
1264.01	OBJECT MARKERS - TYPES
1264.02	OBJECT MARKERS - INSTALLATION
1267.01	FLEXIBLE DELINEATORS - INSTALLATION
1267.02	FLEXIBLE DELINEATORS - SPACING TABLES
1267.03	FLEXIBLE DELINEATORS - INTERCHANGE PLACEMENT

# LEGEND

## GENERAL

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

## 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
<u>PAVEMENT MARKING LINES</u>		
PA	WHITE EDGELINE 1X	PAINT (4")
PB	YELLOW EDGELINE 1X	
PC	10 FT WHITE SKIP 1X	PAINT (24")
PD	2 FT WHITE MINISKIP 1X	
PE	WHITE SOLID LANE LINE 1X	PAINT
PF	10 FT YELLOW SKIP 1X	
PH	YELLOW SINGLE CENTERLINE 1X	TEMPORARY RAISED
PI	YELLOW DOUBLE CENTERLINE 1X	
PP	WHITE GORE LINE 1X	TEMPORARY RAISED
P4	WHITE STOP BAR 1X	
UA	LEFT TURN ARROW 1X	TEMPORARY RAISED
UB	RIGHT TURN ARROW 1X	
UC	STRAIGHT ARROW 1X	
<u>PAVEMENT MARKERS</u>		
MA	YELLOW & YELLOW	TEMPORARY RAISED
MB	CRYSTAL & RED	

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<h3>ROADWAY STANDARD DRAWINGS &amp; LEGEND</h3>		

## 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.

### TIME RESTRICTIONS

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

ROAD NAME	DAY AND TIME RESTRICTIONS
1. US 70 (Y1)	MONDAY-FRIDAY 6:00 A.M. TO 9:00 A.M. MONDAY-THURSDAY 4:00 P.M. TO 6:00 P.M. FRIDAY AT NOON TO MONDAY AT 6:00 A.M.
2. US 258 (Y24)	MONDAY-FRIDAY 6:00 A.M. TO 9:00 A.M.

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

ROAD NAME	HOLIDAY
1. US 70 (Y1) 2. US 258 (Y24)	FOR ANY UNEXPECTED OCCURRENCE THAT CREATES UNUSUALLY HIGH TRAFFIC VOLUMES, AS DIRECTED BY THE ENGINEER.
	FOR NEW YEAR'S, BETWEEN THE HOURS OF 9:00 A.M. DECEMBER 31ST TO 6:00 P.M. JANUARY 2ND. IF NEW YEAR'S DAY IS ON A FRIDAY SATURDAY, SUNDAY, OR MONDAY THEN THEN UNTIL 6:00 P.M. THE FOLLOWING TUESDAY.
	FOR EASTER, BETWEEN THE HOURS OF 9:00 A.M. THURSDAY AND 6:00 P.M. MONDAY.
	FOR MEMORIAL DAY, BETWEEN THE HOURS OF 9:00 A.M. FRIDAY TO 6:00 P.M. TUESDAY.
	FOR INDEPENDENCE DAY, BETWEEN THE HOURS OF 9:00 A.M. THE DAY BEFORE INDEPENDENCE DAY AND 6:00 P.M. THE DAY AFTER INDEPENDENCE DAY.  IF INDEPENDENCE DAY IS ON A FRIDAY, SATURDAY, SUNDAY OR MONDAY THEN BETWEEN THE HOURS OF 9:00 A.M. THE THURSDAY BEFORE INDEPENDENCE DAY AND 6:00 P.M. THE TUESDAY AFTER INDEPENDENCE DAY.
	FOR LABOR DAY, BETWEEN THE HOURS OF 9:00 A.M. FRIDAY AND 6:00 P.M. TUESDAY.
	FOR THANKSGIVING, BETWEEN THE HOURS OF 9:00 A.M. TUESDAY TO 6:00 P.M. MONDAY.
	FOR CHRISTMAS, BETWEEN THE HOURS OF 9:00 A.M. THE FRIDAY BEFORE THE WEEK OF CHRISTMAS DAY AND 6:00 P.M. THE FOLLOWING MONDAY AFTER THE WEEK OF CHRISTMAS.

C) 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

D) REMOVE LANE CLOSURE DEVICES FROM THE LANE WHEN WORK IS NOT BEING PERFORMED BEHIND THE LANE CLOSURE OR WHEN A LANE CLOSURE IS NO LONGER NEEDED OR AS DIRECTED BY THE ENGINEER.

E) WHEN PERSONNEL AND/OR EQUIPMENT ARE WORKING WITHIN 15 FT OF AN OPEN TRAVEL LANE, CLOSE THE NEAREST OPEN SHOULDER USING ROADWAY STANDARD DRAWING NO. 1101.04 UNLESS THE WORK AREA IS PROTECTED BY BARRIER OR GUARDRAIL OR A LANE CLOSURE IS INSTALLED.

F) WHEN PERSONNEL AND/OR EQUIPMENT ARE WORKING ON THE SHOULDER ADJACENT TO AN UNDIVIDED FACILITY AND WITHIN 5 FT OF AN OPEN TRAVEL LANE, CLOSE THE NEAREST OPEN TRAVEL LANE USING ROADWAY STANDARD DRAWING NO. 1101.02 UNLESS THE WORK AREA IS PROTECTED BY BARRIER OR GUARDRAIL.

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

G) WHEN PERSONNEL AND/OR EQUIPMENT ARE WORKING WITHIN A LANE OF TRAVEL OF AN UNDIVIDED OR DIVIDED FACILITY, CLOSE THE LANE ACCORDING TO THE TRAFFIC CONTROL PLANS, ROADWAY STANDARD DRAWINGS, OR AS DIRECTED BY THE ENGINEER. CONDUCT THE WORK SO THAT ALL PERSONNEL AND/OR EQUIPMENT REMAIN WITHIN THE CLOSED TRAVEL LANE.

H) DO NOT WORK SIMULTANEOUSLY WITHIN 15 FT ON BOTH SIDES OF AN OPEN TRAVELWAY, RAMP, OR LOOP WITHIN THE SAME LOCATION UNLESS PROTECTED WITH GUARDRAIL OR BARRIER.

I) DO NOT INSTALL MORE THAN 3 MILES OF LANE CLOSURE ON CRESCENT ROAD (L) MEASURED FROM THE BEGINNING OF THE MERGE TAPER TO THE END OF THE LANE CLOSURE.

J) DO NOT INSTALL MORE THAN ONE LANE CLOSURE IN ANY ONE DIRECTION ON US 70 (Y1).

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

### PAVEMENT EDGE DROP OFF REQUIREMENTS

L) 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.

M) 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

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

### SIGNING

O) 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.

P) PROVIDE SIGNING AND DEVICES REQUIRED TO CLOSE THE ROAD ACCORDING TO THE ROADWAY STANDARD DRAWINGS AND TRAFFIC CONTROL PLANS.  
PROVIDE SIGNING REQUIRED FOR THE OFF-SITE DETOUR ROUTE AS SHOWN IN THE TRAFFIC CONTROL PLANS.

Q) COVER OR REMOVE ALL SIGNS AND DEVICES REQUIRED TO CLOSE THE ROAD WHEN ROAD CLOSURE IS NOT IN OPERATION.

COVER OR REMOVE ALL SIGNS REQUIRED FOR THE OFF-SITE DETOUR WHEN THE DETOUR IS NOT IN OPERATION.

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

S) INSTALL BLACK ON ORANGE "DIP" SIGNS (W8-2) AND/OR "BUMP" SIGNS (W8-1) 500 FT IN ADVANCE OF THE UNEVEN AREA, OR AS DIRECTED BY THE ENGINEER.

T) INSTALL TEMPORARY BARRIER ACCORDING TO THE TRANSPORTATION MANAGEMENT PLANS A MAXIMUM OF TWO (2) WEEKS PRIOR TO BEGINNING WORK IN ANY LOCATION. ONCE TEMPORARY BARRIER IS INSTALLED AT ANY LOCATION PROCEED IN A CONTINUOUS MANNER TO COMPLETE THE PROPOSED WORK IN THAT LOCATION UNLESS OTHERWISE STATED IN THE TRANSPORTATION MANAGEMENT PLANS OR AS DIRECTED BY THE ENGINEER.

DO NOT PLACE BARRIER DIRECTLY ON ANY SURFACE OTHER THAN ASPHALT OR CONCRETE.

ONCE TEMPORARY BARRIER IS INSTALLED AT ANY LOCATION AND NO WORK IS PERFORMED BEHIND THE TEMPORARY BARRIER FOR A PERIOD LONGER THAN TWO (2) MONTHS, REMOVE / RESET TEMPORARY BARRIER AT NO COST TO THE DEPARTMENT UNLESS OTHERWISE STATED IN THE TRANSPORTATION MANAGEMENT PLANS. TEMPORARY BARRIER IS PROTECTING A HAZARD, OR AS DIRECTED BY THE ENGINEER.

INSTALL TEMPORARY BARRIER WITH THE TRAFFIC FLOW BEGINNING WITH THE UPSTREAM SIDE OF TRAFFIC. REMOVE TEMPORARY BARRIER AGAINST THE TRAFFIC FLOW BEGINNING WITH THE DOWNSTREAM SIDE OF TRAFFIC.

INSTALL AND SPACE DRUMS NO GREATER THAN TWICE THE POSTED SPEED LIMIT (MPH) TO CLOSE OR KEEP THE SECTION OF THE ROADWAY CLOSED UNTIL THE TEMPORARY BARRIER CAN BE PLACED OR AFTER THE TEMPORARY BARRIER IS REMOVED.

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

PROTECT THE APPROACH END OF MOVABLE/PORTABLE CONCRETE BARRIER FROM ONCOMING TRAFFIC AT ALL TIMES BY A TEMPORARY CRASH CUSHION UNLESS THE APPROACH END OF MOVABLE/PORTABLE CONCRETE BARRIER IS OFFSET FROM ONCOMING TRAFFIC AS FOLLOWS OR AS SHOWN IN THE PLANS: (SEE ALSO 1101.05)

POSTED SPEED LIMIT	MINIMUM OFFSET
40 OR LESS	15 FT
45 - 50	20 FT
55	25 FT
60 MPH or HIGHER	30 FT

### TRAFFIC CONTROL DEVICES

V) SPACE CHANNELIZING DEVICES IN WORK AREAS NO GREATER IN FEET THAN TWICE THE POSTED SPEED LIMIT (MPH), EXCEPT 10 FT ON-CENTER IN RADIUS, 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.

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

X) 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

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

ROAD NAME	MARKING	MARKER
ALL ROADS	PAINT	TEMPORARY RAISED

Z) 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.

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

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

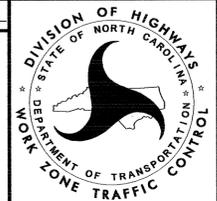
CC) TRACE THE PROPOSED MONOLITHIC ISLAND LOCATIONS WITH PROPER COLOR PAVEMENT MARKINGS PRIOR TO INSTALLATION. PLACE DRUMS TO DELINEATE ANY PROPOSED MONOLITHIC ISLANDS BEFORE INSTALLATION.

### MISCELLANEOUS

DD) LAW ENFORCEMENT MAY BE USED TO MAINTAIN TRAFFIC THROUGH THE WORK AREA AND/OR INTERSECTIONS AS DIRECTED BY THE ENGINEER.

EE) IN THE EVENT A TIE-IN CANNOT BE MADE IN ONE DAY'S TIME, BRING THE TIE-IN AREA TO AN APPROPRIATE ROADWAY ELEVATION AS DETERMINED BY THE ENGINEER. PLACE BLACK ON ORANGE "LOOSE GRAVEL" SIGNS (W8-7) AND BLACK ON ORANGE "PAVEMENT ENDS" SIGNS (W8-3) 500 FT AND 1000 FT RESPECTIVELY IN ADVANCE OF THE UNEVEN AREAS. USE DRUMS TO DELINEATE THE EDGE OF ROADWAY ALONG UNPAVED AREAS.

APPROVED: \_\_\_\_\_ DATE: \_\_\_\_\_



## PROJECT NOTES

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## PHASE I

**STEP 1)** PRIOR TO ANY CONSTRUCTION ACTIVITY, INSTALL WORK ZONE ADVANCE WARNING SIGNS ON ALL STATE AND LOCAL ROADS INVOLVED: US 70, BANK SCHOOL ROAD, ENTERPRISE BLVD, LANDMARK DRIVE, DALY WALTHROP ROAD, PAUL'S PATH ROAD, US 258, CRESCENT ROAD, AND POOLE ROAD ACCORDING TO ROADWAY STANDARD DRAWING 1101.01.

**STEP 2)** WITHOUT INTERFERING WITH TRAFFIC, BEGIN ROADWAY CONSTRUCTION OF PROPOSED CRESCENT ROAD (L), US 70 (Y1), INTERCHANGE RAMPS AND LOOPS, PARKWAY DRIVE (Y8) UP TO, BUT NOT INCLUDING THE FINAL LAYER OF SURFACE COURSE ACCORDING TO THE FOLLOWING STATIONS (SEE OVERVIEWS ON TMP-05):

- L- STA 50+30.88 TO STA 243+60+/-
- Y1- STA 30+00+/- TO STA 99+29.38
- Y1LT- STA 99+29.38 TO STA 105+25+/-
- Y1RT- STA 99+29.38 TO STA 105+25+/-
- Y1RPA- STA 0+00 TO STA 15+02+/-
- Y1RPB- STA 0+00 TO STA 35+55+/-
- Y1RPCA- STA 0+00 TO STA 68+73+/-
- Y1LPC- STA 0+00 TO STA 14+34+/-
- Y8- STA 14+27+/- TO STA 24+78+/-
- Y24RPB- STA 0+00 TO STA 15+65+/-
- Y24RPC- STA 0+00 TO STA 17+67+/-

USING ROADWAY STANDARD DRAWING 1101.05, PLACE "TRUCK ENTRANCE" SIGNS IN ADVANCE OF PROJECT HAULING ACCESS ROADS ON US 258, US 70 AND OTHER -Y- LINES AS REQUIRED.

PLACE BARRICADES AT EACH END OF PARKWAY DRIVE TO CLOSE ACCESS TO NEW CONSTRUCTION AT Y8.

**STEP 3)** USING ROADWAY STANDARD DRAWINGS 1101.02 (SHEETS 1 AND 3 OF 15) FOR TEMPORARY LANE CLOSURES, BEGIN CONSTRUCTION OF SR 2003 LANDMARK DRIVE (Y9), ACCORDING TO THE FOLLOWING STATIONS (SEE OVERVIEWS ON TMP-05 AND DETAILS ON TMP-06 AND TMP-07):

- Y9- STA 11+63+/- TO STA 33+30.39 (WEDGING & WIDENING)

**STEP 4)** COMPLETE CONSTRUCTION OF PARKWAY DR (Y8) UP TO, BUT NOT INCLUDING THE FINAL LAYER OF SURFACE COURSE PRIOR TO COMPLETING WESTBOUND CONSTRUCTION OF US 70 (Y1) IN PHASE II, STEP 2.

## PHASE II

### WESTBOUND LANES OF US 70 (Y1)

**STEP 1)** USING ROADWAY STANDARD DRAWINGS 1101.02 (SHEET 3 OF 15) FOR ALTERNATE LANE CLOSURES OF WESTBOUND US 70 AND FOR TEMPORARY LANE CLOSURES OF EASTBOUND US 70 IN AREAS 1 AND 2, CONTINUE CONSTRUCTION UP TO, BUT NOT INCLUDING THE FINAL LAYER OF SURFACE COURSE OF US 70 (Y1) AND BEGIN CONSTRUCTION OF THE US 70 CONNECTOR (Y15) ACCORDING TO THE FOLLOWING STATIONS (SEE DETAILS ON TMP-8 THRU TMP-11):

#### AREA 1

- Y1- STA 15+30+/- TO STA 20+75+/- WESTBOUND LANE (MILLING, WEDGING & WIDENING)
- Y1- STA 20+75+/- TO STA 30+00+/- WESTBOUND LANES
- Y1- STA 26+31+/- TO STA 30+00+/- EASTBOUND LANES

#### AREA 2

- Y1- STA 105+25+/- TO -Y1LT-STA 121+63+/- WESTBOUND LANE
- Y1- STA 105+25+/- TO -Y1RT-STA 111+07+/- EASTBOUND LANES
- Y15- STA 30+50+/- TO STA 31+14+/-

CONSTRUCT DRAINAGE STRUCTURE AT Y1 STA. 110+00 WITH OUTLET PIPE ONLY (SEE DETAIL ON TMP-10).

USING ROADWAY STANDARD DRAWING 1101.02 (SHEETS 1 AND 3 OF 15) FOR ALTERNATING LANE CLOSURES DURING ONE DAY'S WORK BRING BANKS SCHOOL ROAD (Y10) TO GRADE AT THE INTERSECTION OF US 70, PROVIDING A MINIMUM OF STONE BASE. CONTINUE WORK WITH ALTERNATING LANE CLOSURES THE FOLLOWING DAY TO PLACE ASPHALT PAVEMENT UP TO, BUT NOT INCLUDING THE FINAL LAYER OF SURFACE COURSE ACCORDING TO THE FOLLOWING STATIONS (SEE DETAIL ON TMP-12):

- Y10- STA 10+58+/- TO STA 12+16+/-

AND PLACE TEMPORARY PAVEMENT MARKING (PAINT) FOR 2-LANE, 2-WAY TRAFFIC ON Y10 (SEE PAVEMENT MARKING PLANS).

**STEP 2)** USING ROADWAY STANDARD DRAWINGS 1101.02 (SHEET 3 OF 15) FOR ALTERNATING WESTBOUND LANE CLOSURES, COMPLETE WEDGING AND WIDENING UP TO, BUT NOT INCLUDING THE FINAL LAYER OF SURFACE COURSE OF THE WESTBOUND LANES OF US 70 (Y1) (SEE DETAILS ON TMP-13 THRU TMP-14).

#### AREA 1

- Y1- STA 20+70+/- TO STA 24+90+/-

#### AREA 2

- Y1RT- STA 113+00+/- TO STA 121+64+/-

USING ROADWAY STANDARD DRAWINGS 1205.01, 1205.02, 1208.04, AND 1205.05, PLACE TEMPORARY PAVEMENT MARKING (PAINT) FOR THE WESTBOUND LANES OF -Y1- FOR 2-LANE, 1-WAY ACCORDING TO THE FOLLOWING STATIONS (SEE DETAIL ON TMP-15 THRU TMP-16 AND PAVEMENT MARKING PLANS):

- Y1- STA 15+30+/- TO STA 121+64+/- WESTBOUND LANES

PLACE DRUMS AND BARRICADES TO CLOSE THE Y1RPA EXIT (SEE TMP-15).

SHIFT WESTBOUND TRAFFIC TO THE NEW US 70 (Y1). COORDINATE WITH THE OPENING OF -Y8- FOR WESTBOUND US 70 TRAFFIC FROM THE INDUSTRIAL PARK.

PLACE BARRICADES ON US 70 WESTBOUND TO CLOSE THRU ACCESS TO OLD US 70. MAINTAIN ROAD FOR LOCAL TRAFFIC ONLY (SEE TMP-16 AND TMP-19).

### EASTBOUND LANES OF US 70 (Y1)

**STEP 3)** USING ROADWAY STANDARD DRAWINGS 1101.02 (SHEET 3 OF 15) FOR TEMPORARY CLOSURE OF THE OUTSIDE LANE OF EASTBOUND US 70, CONSTRUCT THE TEMPORARY WIDENING UP TO EDGE AND ELEVATION OF US 70 ACCORDING TO THE FOLLOWING STATIONS (SEE DETAILS ON TMP-16):

#### AREA 1

- Y1- STA 15+66+/- TO STA 24+00+/-

INCLUDING USING ROADWAY STANDARD DRAWINGS 1101.02 (SHEET 3 OF 15) FOR ALTERNATING EASTBOUND US 70 LANE CLOSURES TO INSTALL CROSS PIPE AT Y1 STA. 21+20

#### AREA 2

- Y1RT- STA 114+05+/- TO STA 122+05+/-

THE TIME RESTRICTIONS LISTED IN ICT NO. 1 DO NOT APPLY TO PHASE II, STEPS 4 - 7

**STEP 4)** PLACE TEMPORARY PAVEMENT MARKINGS (PAINT) AND DRUMS ON THE US 70 DETOUR AT AREA 1 AND AREA 2 FOR 1-LANE, 1-WAY TRAFFIC. SHIFT TRAFFIC TO THE OUTSIDE LANE OF EASTBOUND US 70 USING DETOUR. MAINTAIN ACCESS TO BANKS SCHOOL ROAD (Y10) DURING CONSTRUCTION. (SEE DETAILS ON TMP-17 THRU TMP-18).

USING FLAGGERS FOR TEMPORARY US 70 INSIDE EASTBOUND LANE CLOSURE AT AREAS 1 AND 2, PLACE PORTABLE CONCRETE BARRIER (PCB) ALONG US 70 (SEE DETAILS ON TMP-17 THRU TMP-18).

**STEP 4)** WORKING BEHIND BARRIER AND AWAY FROM TRAFFIC, CONSTRUCT THE EASTBOUND INSIDE LANE OF US 70 (Y1) UP TO, BUT NOT INCLUDING THE FINAL LAYER OF SURFACE COURSE, ACCORDING TO THE FOLLOWING STATIONS (SEE DETAIL ON TMP-17 THRU TMP-18):

#### AREA 1

- Y1- STA 15+60+/- TO STA 25+50+/- EASTBOUND INSIDE LANE
- Y1- STA 25+50 TO STA 26+31+/- BOTH EASTBOUND LANES

#### AREA 2

- Y1- STA 111+07+/- TO STA 121+91+/- INSIDE EASTBOUND LANE

CONSTRUCT INLET PIPE TO DRAINAGE STRUCTURE AT Y1 STA. 110+00 (SEE DETAIL ON TMP-10)

USING ROADWAY STANDARD DRAWING 1101.02 (SHEET 1 OF 15), REMOVE EXISTING CENTERLINE AND EDGELINE AND PLACE PERMANENT PAVEMENT MARKING (PAINT) AND MARKERS (RAISED PERMANENT) ON THE EASTBOUND LANES OF OLD US 70 FOR 2-LANE, 2-WAY TRAFFIC AS SHOWN IN THE CONSTRUCTION PLANS AND TMP-19.

OPEN OLD US 70 AS 2-LANE, 2-WAY FOR LOCAL WESTBOUND TRAFFIC AND THROUGH EASTBOUND TRAFFIC. REMOVE EXISTING PAVEMENT OF WESTBOUND LANES OF OLD US 70 (SEE DETAIL ON TMP-19).

**STEP 5)** COMPLETE CONSTRUCTION OF THE INSIDE EASTBOUND US 70 LANE UP TO, BUT NOT INCLUDING THE FINAL LAYER OF SURFACE COURSE, AND PLACE PAVEMENT MARKINGS (PAINT) AND DRUMS FOR 1-LANE, 1-WAY TRAFFIC ACCORDING TO THE FOLLOWING STATIONS (SEE DETAILS ON TMP-20 AND TMP-21):

- Y1 STA 15+60+/- TO Y1RT STA 121+77+/- INSIDE EASTBOUND LANE (1-LANE, 1-WAY)

PLACE BARRICADES TO CLOSE THE EXIT AT Y1RPCA.

USING ROADWAY STANDARD DRAWING 1101.02 (SHEET 3 OF 15), CLOSE THE OUTSIDE LANE OF US 70 AT THE BRIDGE OVER FALLING CREEK AND SHIFT EASTBOUND TRAFFIC TO THE INSIDE LANE OF NEW US 70 (Y1).

USING FLAGGERS FOR TEMPORARY US 70 OUTSIDE EASTBOUND LANE CLOSURE AT AREAS 1 AND 2, RESET PORTABLE CONCRETE BARRIER (PCB) ALONG THE INSIDE LANE OF US 70 (SEE DETAILS ON TMP-20 THRU TMP-21).

USING ROADWAY STANDARD DRAWING 1101.02 (SHEET 1 OF 15), REMOVE EXISTING PAVEMENT ON EASTBOUND US 70 AND CONSTRUCT THE CUL DE SAC ON EASTBOUND US 70 NEAR BANKS SCHOOL ROAD (SEE DETAIL ON TMP-20).

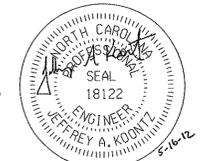
**STEP 6)** USING ROADWAY STANDARD DRAWING 1101.02 (SHEET 1 OF 15), CONTINUE CONSTRUCTION UP TO, BUT NOT INCLUDING THE FINAL LAYER OF SURFACE COURSE, CONNECTOR (Y15) TO TIE EXISTING EASTBOUND US 70 TO THE NEW US 70 (Y1) AND LANDMARK DRIVE (Y9) ACCORDING TO THE FOLLOWING STATIONS (SEE DETAIL ON TMP-22):

- Y15- STA 18+00+/- TO STA 28+04+/- (WEDGING AND WIDENING)
- Y15- STA 28+04+/- TO STA 30+50+/-
- Y9- STA 10+21+/- TO STA 11+60+/-

AND PLACE TEMPORARY PAVEMENT MARKING (PAINT) AND DRUMS FOR 2-LANE, 2-WAY TRAFFIC (SEE DETAIL ON TMP-23).

COORDINATE TRAFFIC SHIFTS AND OPEN THE US 70 CONNECTOR (Y15) TO 2-WAY TRAFFIC AND OPEN LANDMARK DRIVE (Y9) FULLY TO TRAFFIC.

**STEP 7)** COMPLETE Y1 CONSTRUCTION AND USING ROADWAY STANDARD DRAWING 1101.02 (SHEET 3 OF 15) FOR TEMPORARY LANE CLOSURE, REMOVE THE PCB AND PLACE TEMPORARY PAVEMENT MARKING (PAINT) AND MARKERS (TEMPORARY RAISED) ON THE OUTSIDE LANES OF US 70 IN AREA 1 AND 2 FOR TWO-LANE, ONE-WAY TRAFFIC (SEE PAVEMENT MARKING PLANS FOR DETAILS) AND OPEN BOTH LANES TO US 70 EASTBOUND TRAFFIC.

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### PHASE III

**STEP 1) COMPLETE CONSTRUCTION OF CRESCENT ROAD (L), Y-LINES, AND RAMPS STARTED IN PREVIOUS PHASES. USING ROADWAY STANDARD DRAWING 1101.02 (SHEETS 1 AND 3 OF 15) FOR ALTERNATING LANE CLOSURES, PLACE THE FINAL LAYER OF SURFACE COURSE ON ALL ROADS AND USING STANDARD DRAWINGS 1205.01, 1205.02, 1205.03, 1205.04, 1205.05, 1205.06, 1205.08, 1205.12, 1250.01, 1251.01, PLACE PERMANENT PAVEMENT MARKINGS (THERMOPLASTIC OR PAINT) AND PAVEMENT MARKERS (RAISED PERMANENT) ACCORDING TO THE FOLLOWING STATIONS:**

- L- STA 50+30.88 TO STA 243+60+/-
- Y1- STA 15+30+/- TO STA 99+29.38
- Y1LT- STA 99+29.38 TO STA 121+64+/-
- Y1RT- STA 99+29.38 TO STA 121+91+/-
- Y1RPA- STA 0+00.00 TO STA 16+04+/-
- Y1RPB- STA 0+00.00 TO STA 35+55+/-
- Y1RPCA- STA 0+00.00 TO STA 68+73+/-
- Y1LPC- STA 0+00.00 TO STA 14+34+/-
- Y8- STA 10+58+/- TO STA 24+78+/-
- Y9- STA 10+21+/- TO STA 33+30+/-
- Y10- STA 10+58+/- TO STA 12+16+/-
- Y15- STA 18+00+/- TO STA 30+38+/-
- Y24RPB- STA 0+00.00 TO STA 19+19+/-
- Y24RPC- STA 0+00.00 TO STA 21+35+/-

USING ROADWAY STANDARD DRAWING 1101.02 (SHEET 3 OF 15) FOR ALTERNATING LANE CLOSURES, REMOVE CONFLICTING PAVEMENT MARKING AND PLACE NEW PAVEMENT MARKING (THERMOPLASTIC) AND PAVEMENT MARKERS (RAISED PERMANENT) IN THE FINAL PATTERN ON CRESCENT ROAD (L) AT THE US 258 INTERCHANGE ACCORDING TO THE FOLLOWING STATIONS:

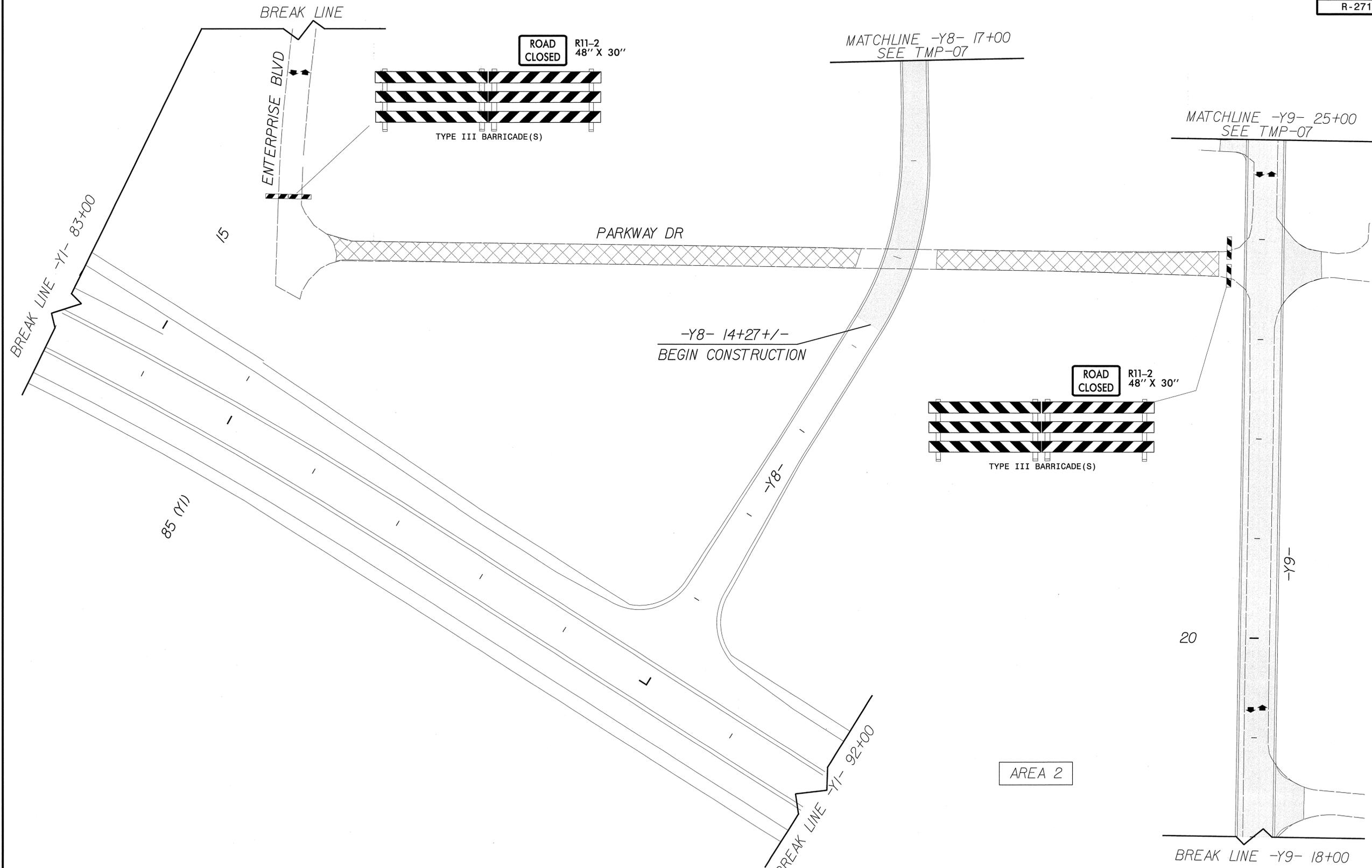
- L- STA 243+60+/- TO STA 263+00+/-

**STEP 2) REMOVE ALL TRAFFIC CONTROL DEVICES AND OPEN THE PROJECT IN THE FINAL PATTERN TO ALL TRAFFIC.**

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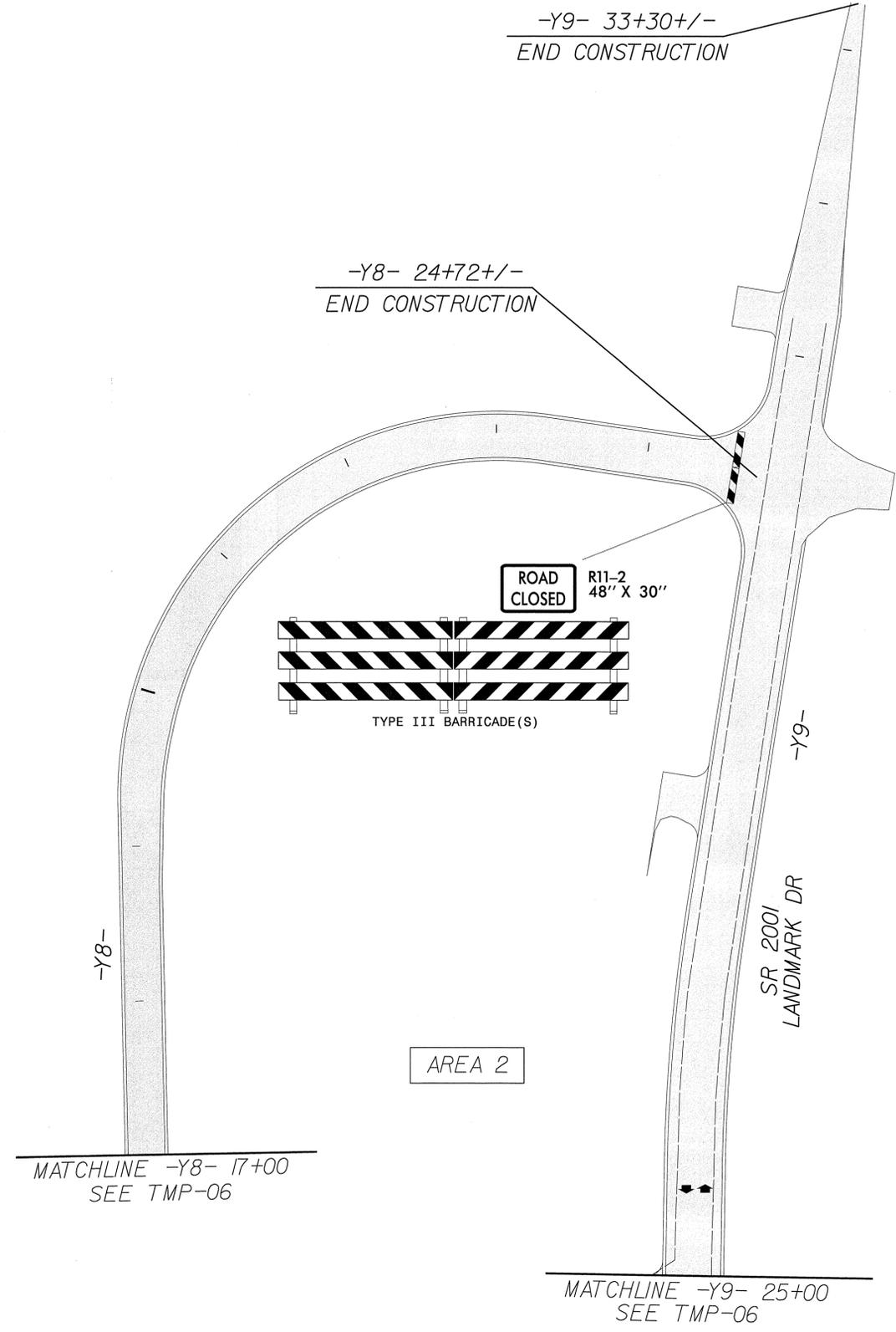




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 lisa.mcgarthur

PROPOSED CONSTRUCTION  
 PAVEMENT REMOVAL

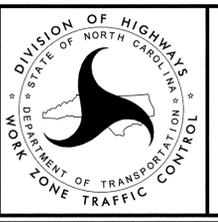
PHASE I STEP 2,3,& 4			<b>PHASE I DETAIL</b>
APPROVED:	DATE: 3/16/12		



PROPOSED CONSTRUCTION

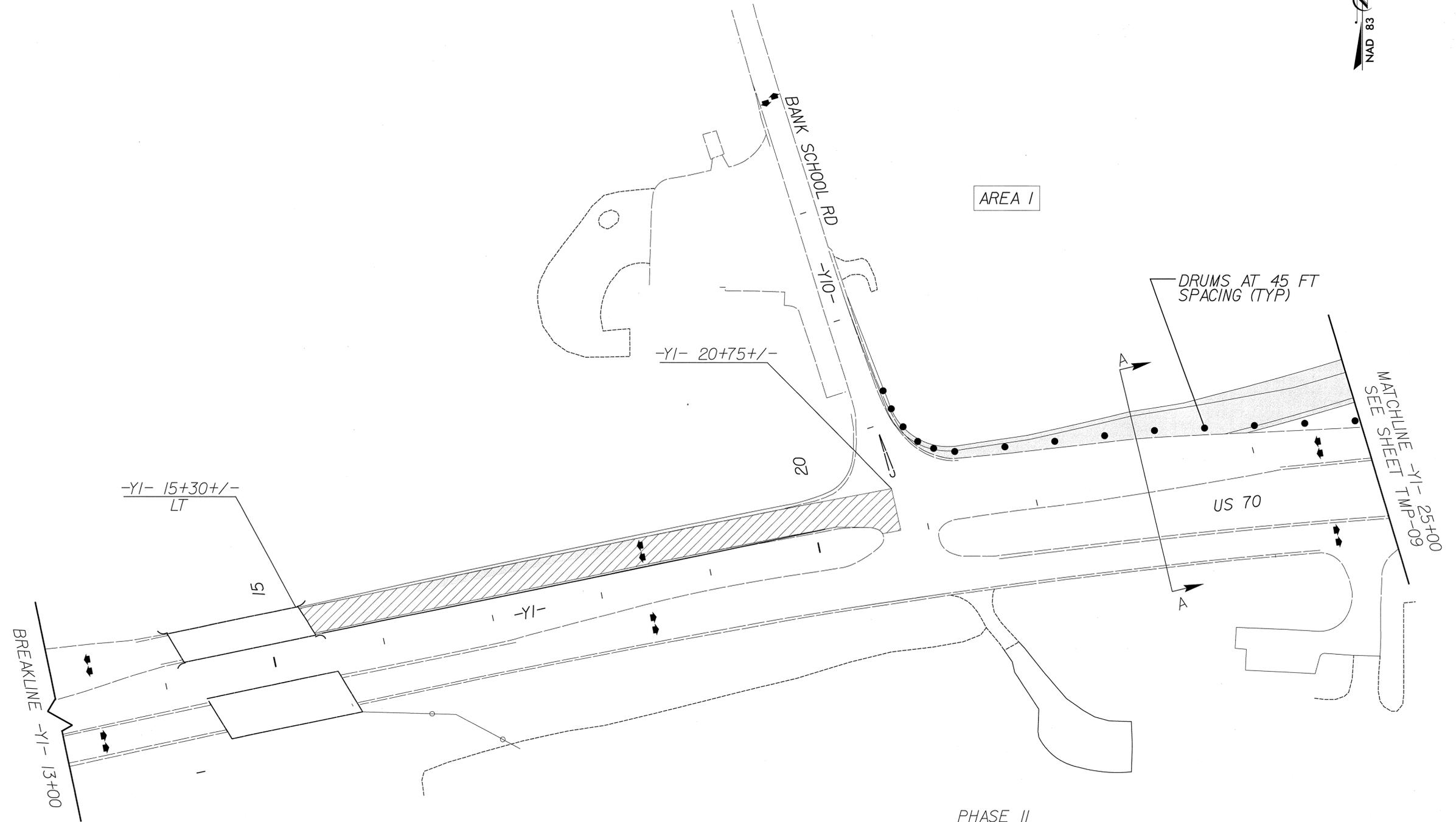
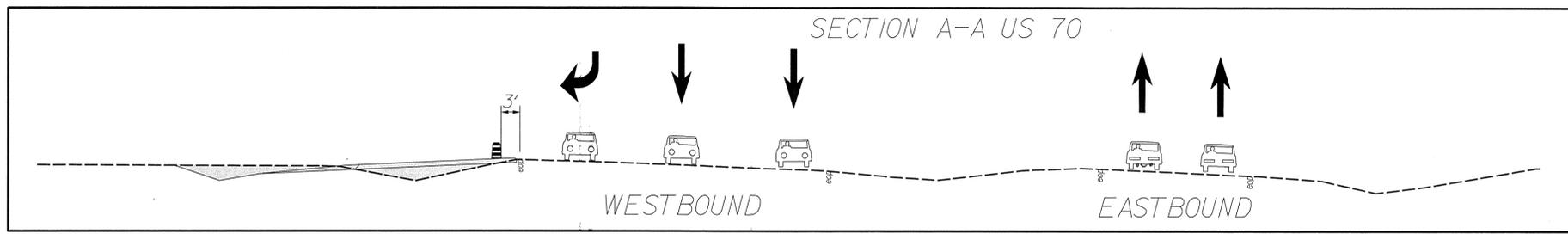
PHASE I  
STEP 2,3,& 4

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PHASE I DETAIL

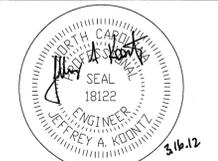
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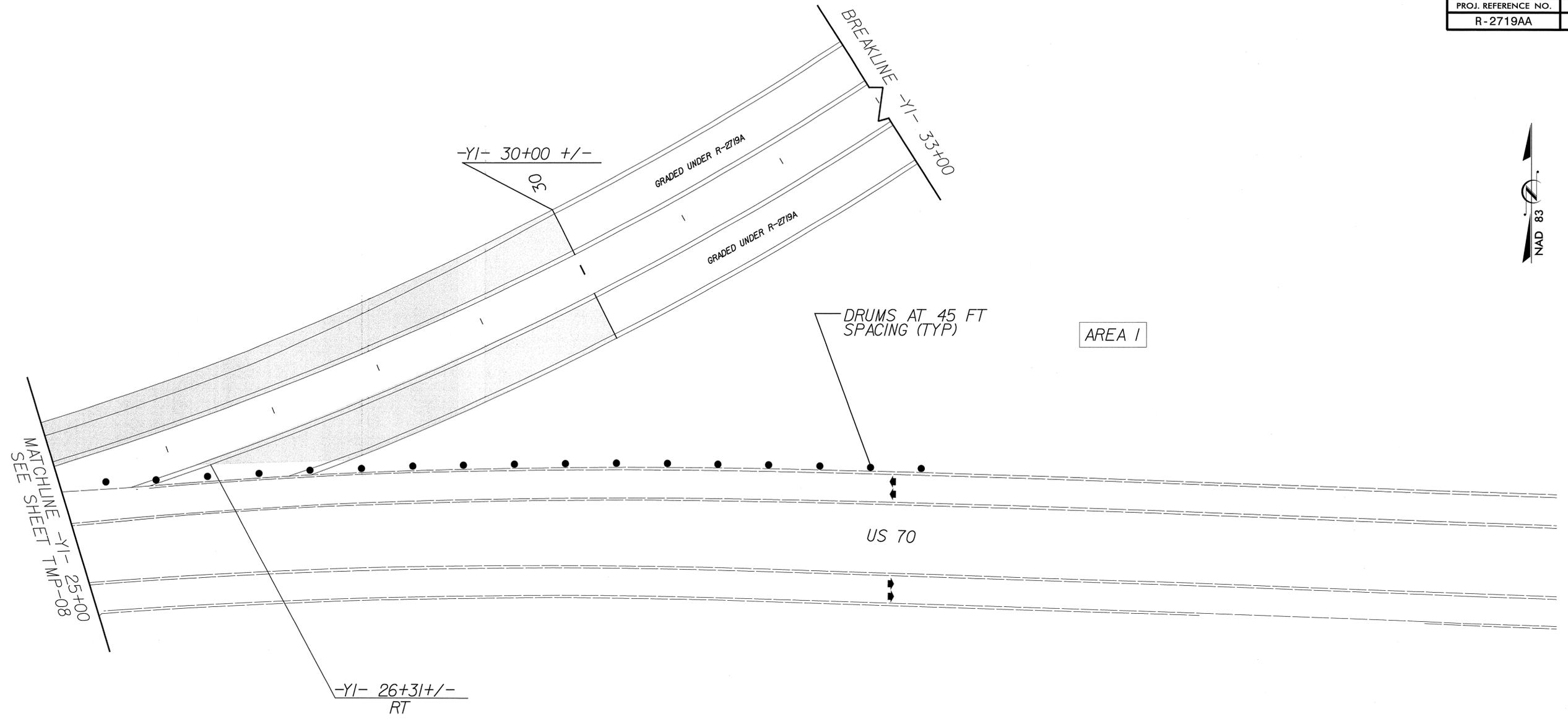


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 lisa\_mcarthur

- MILLING
- PROPOSED FULL DEPTH CONSTRUCTION
- PROPOSED WEDGING AND WIDENING

PHASE II  
STEP I

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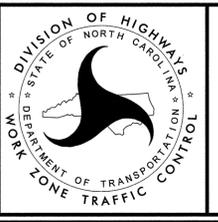


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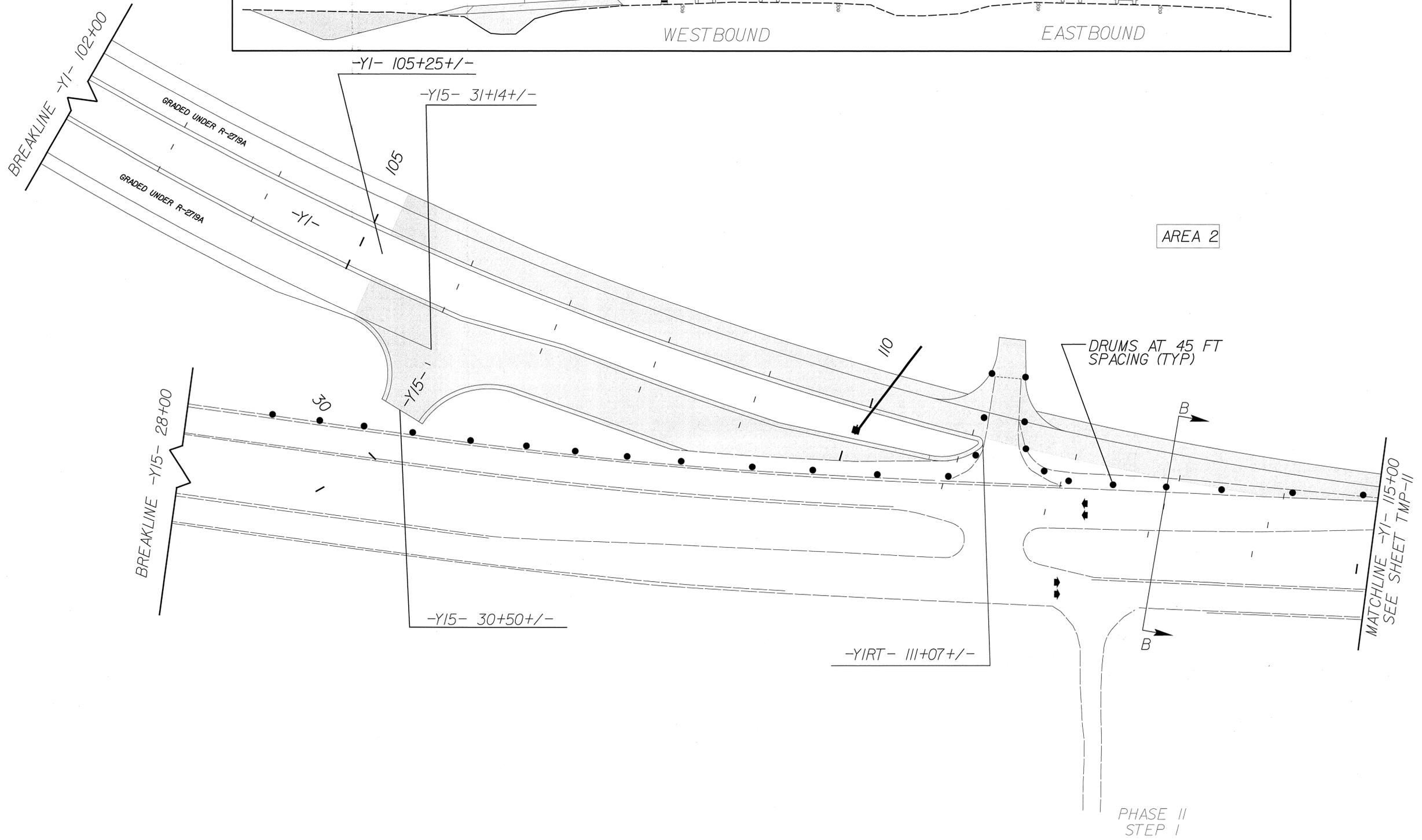
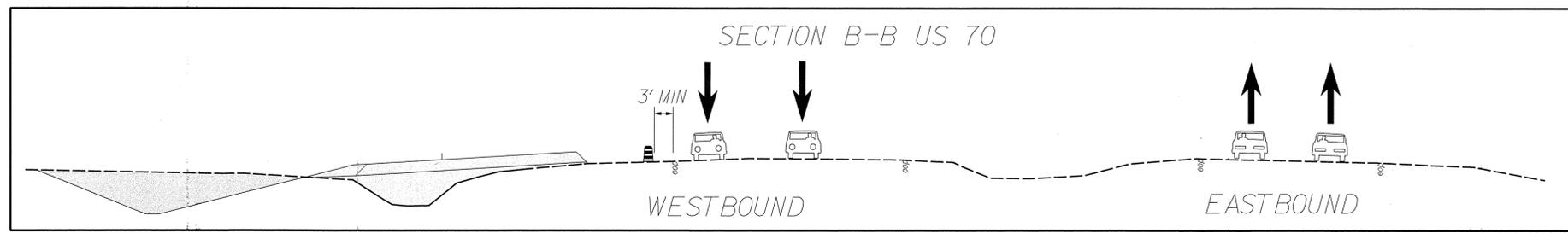
PHASE II  
STEP I

- ON GOING CONSTRUCTION
- PROPOSED FULL DEPTH CONSTRUCTION

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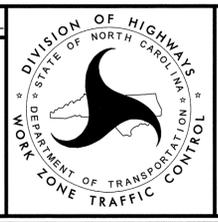


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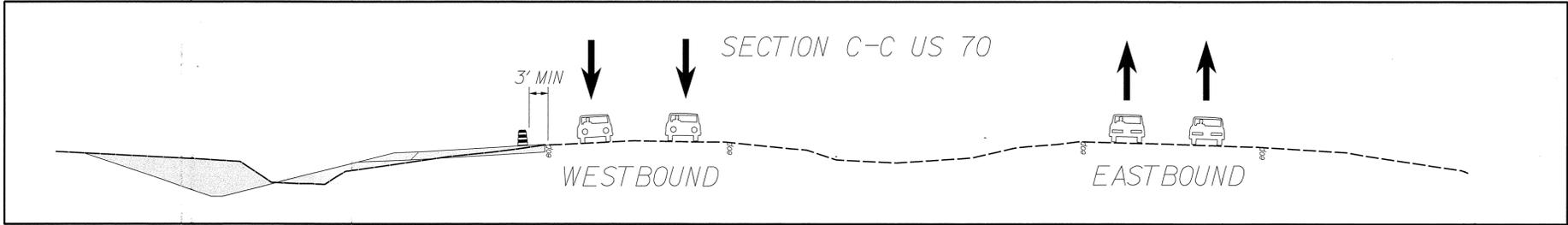
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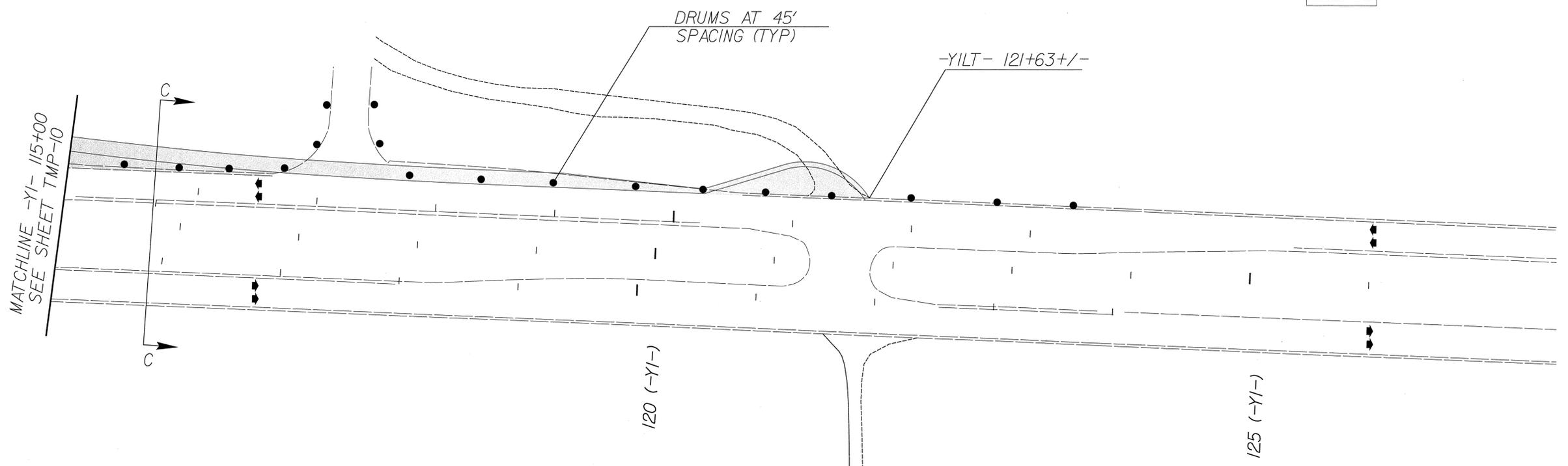


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 lisc\_mcarthur



AREA 2



PROPOSED FULL DEPTH CONSTRUCTION

PHASE II  
STEP I

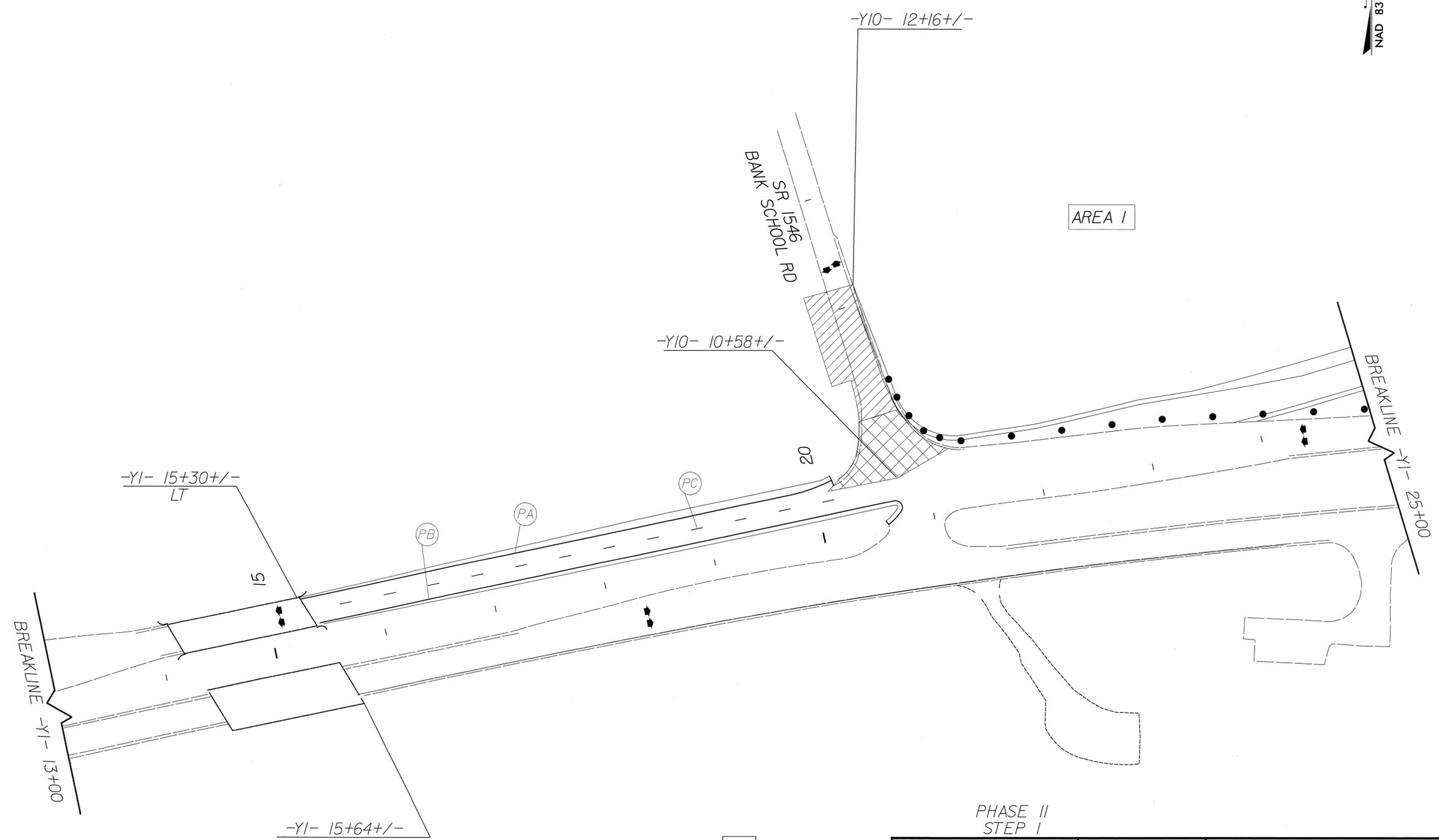
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SEAL

JEFFREY A. KIDNEY  
18122  
3.16.12



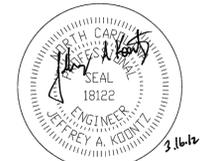
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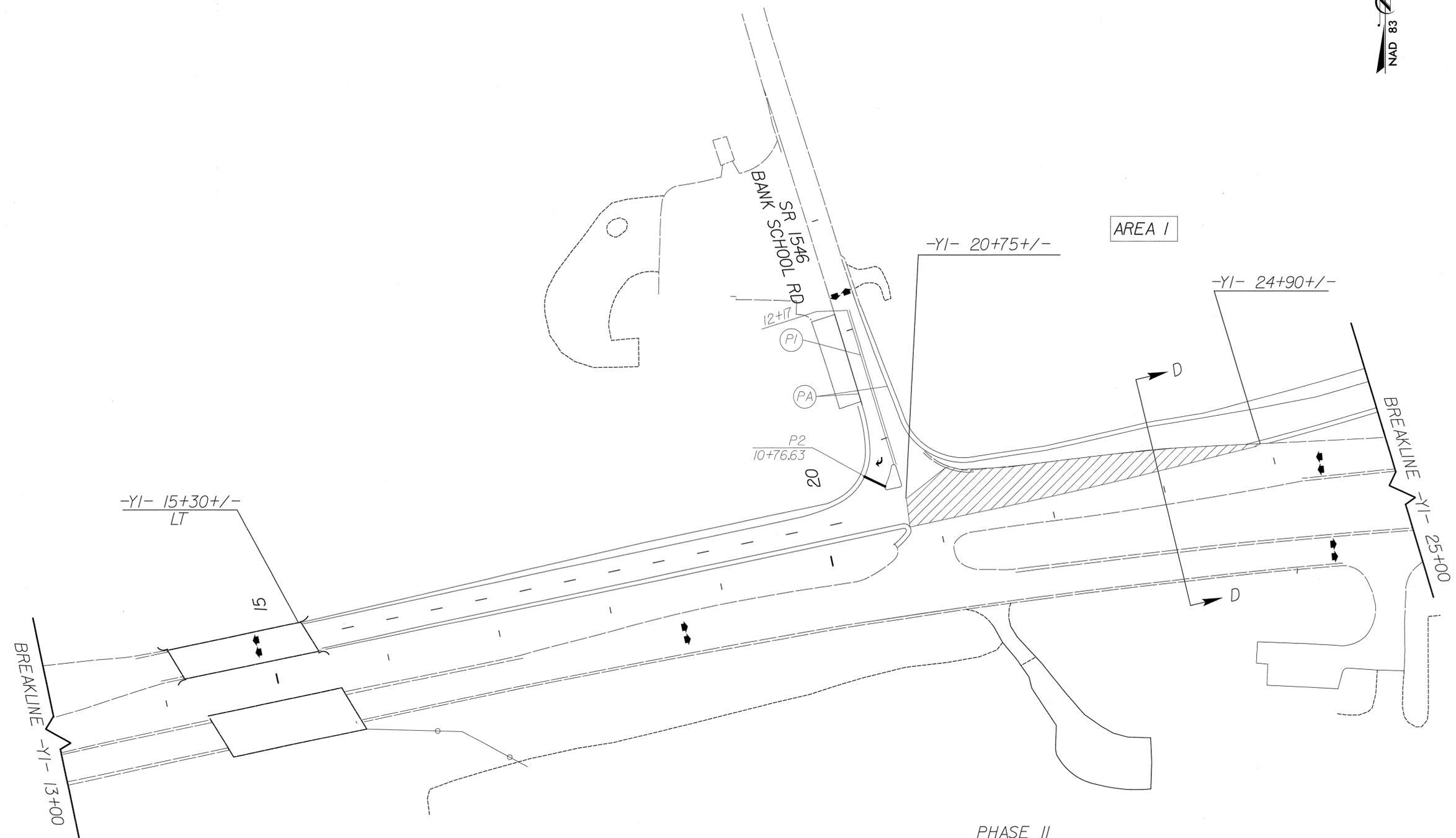
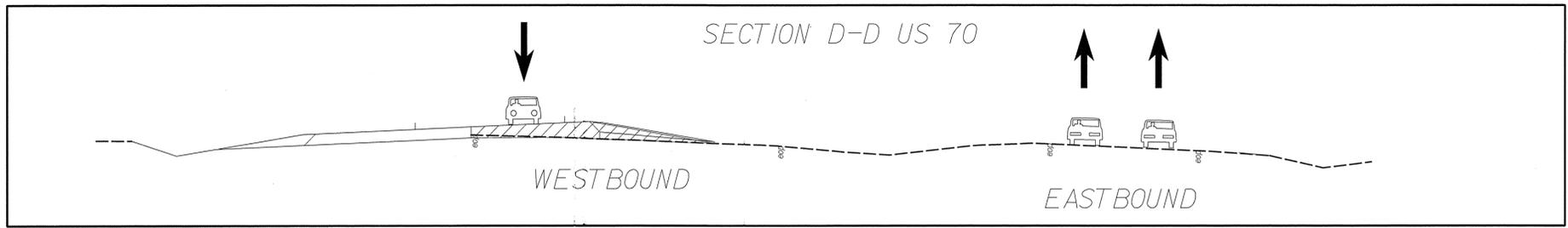


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 lisc\_mcarthur

	PAVEMENT REMOVAL		PROPOSED WEDGING AND WIDENING
	ON GOING CONSTRUCTION		

PHASE II  
STEP I

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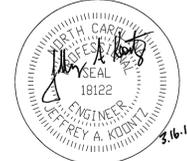


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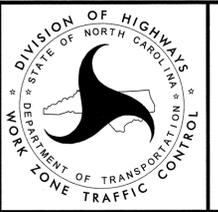
-  ON GOING CONSTRUCTION
-  PROPOSED WEDGING AND WIDENING

PHASE II  
STEP 2

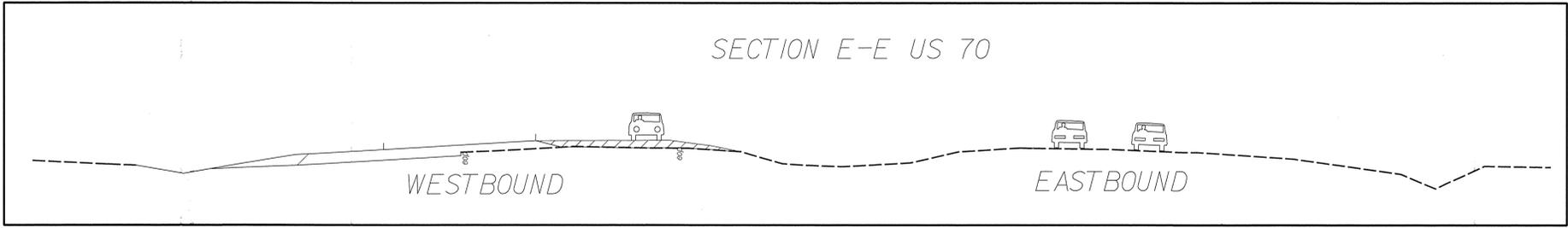
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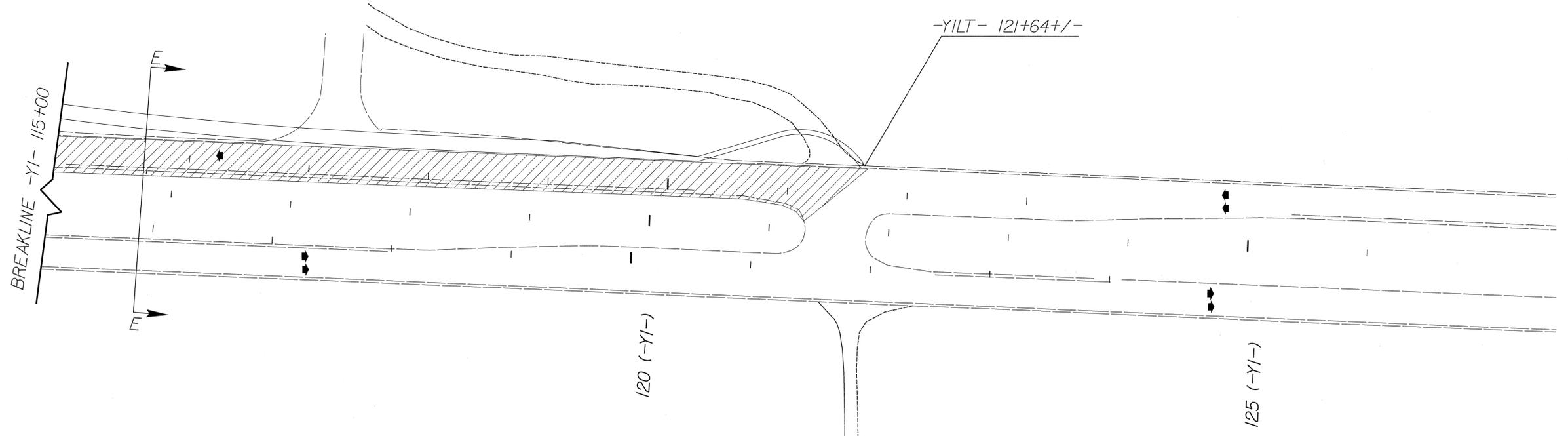
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**PHASE II DETAIL**



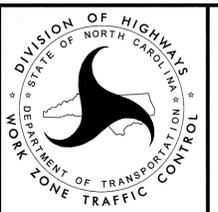
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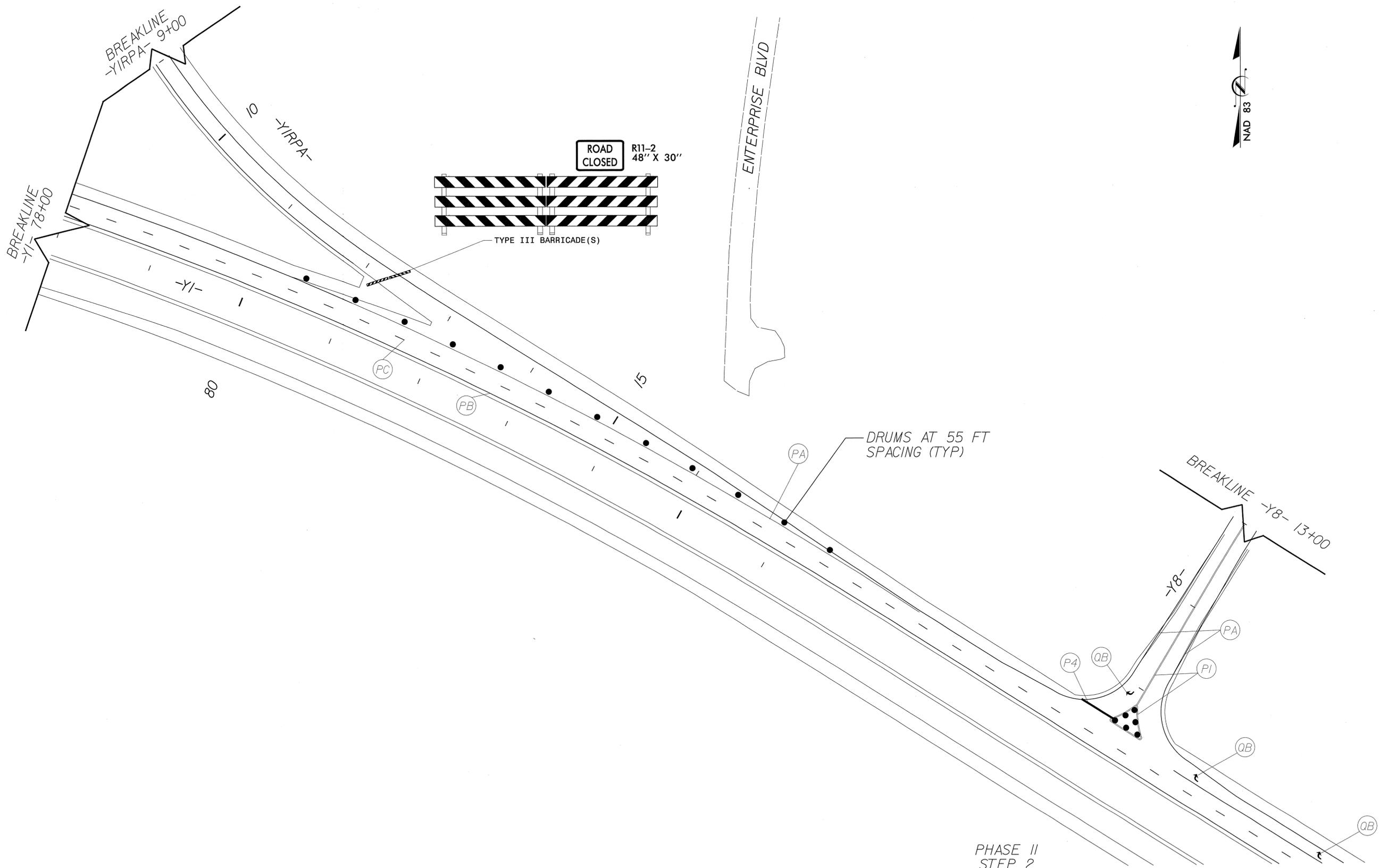
-  ON GOING CONSTRUCTION
-  PROPOSED WEDGING AND WIDENING

PHASE II  
STEP 2

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**PHASE II DETAIL**



PHASE II  
STEP 2

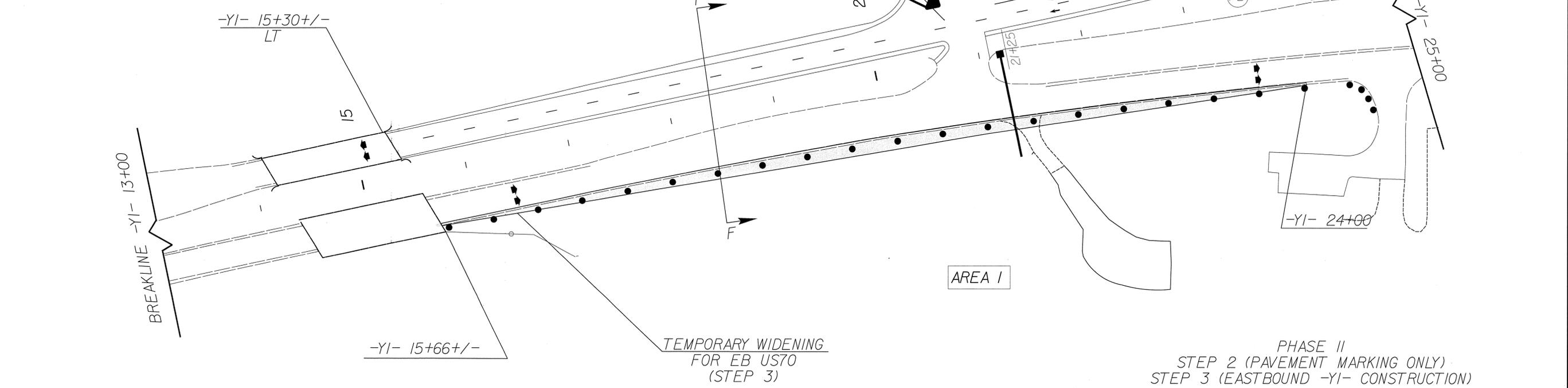
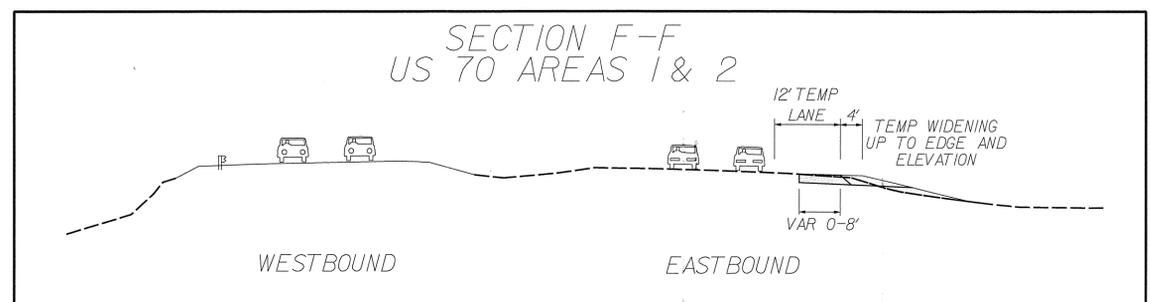
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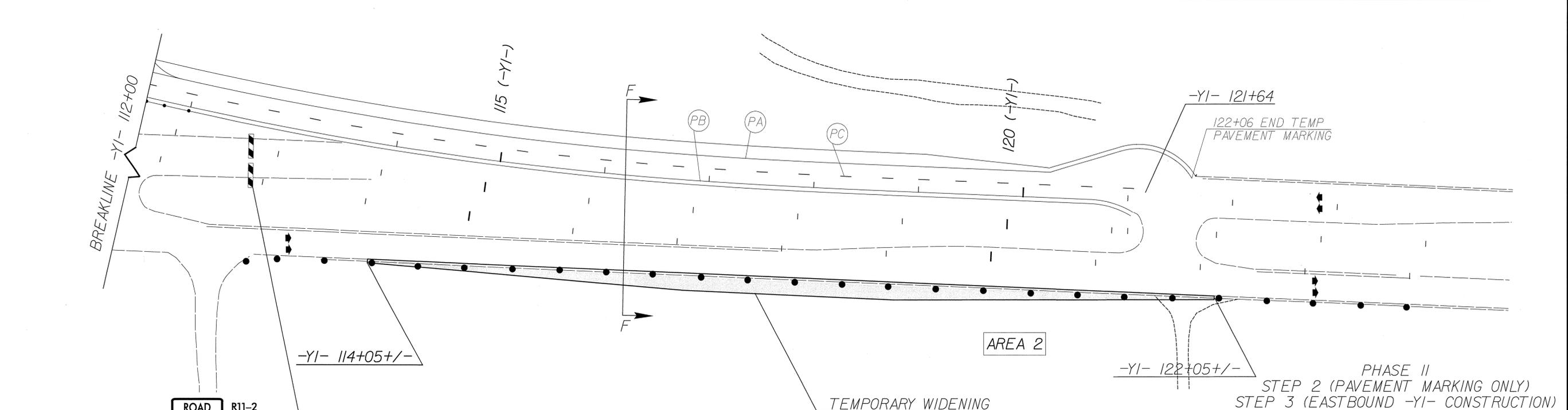
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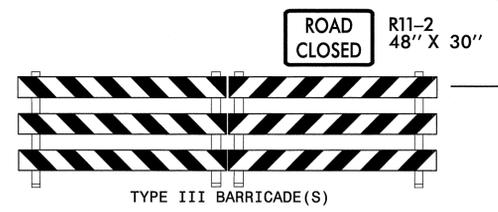
SEE SHEET TMP-1A FOR TEMPORARY PAVEMENT MARKING SCHEDULE



PHASE II  
STEP 2 (PAVEMENT MARKING ONLY)  
STEP 3 (EASTBOUND -Y1- CONSTRUCTION)



PHASE II  
STEP 2 (PAVEMENT MARKING ONLY)  
STEP 3 (EASTBOUND -Y1- CONSTRUCTION)



PROPOSED FULL DEPTH CONSTRUCTION

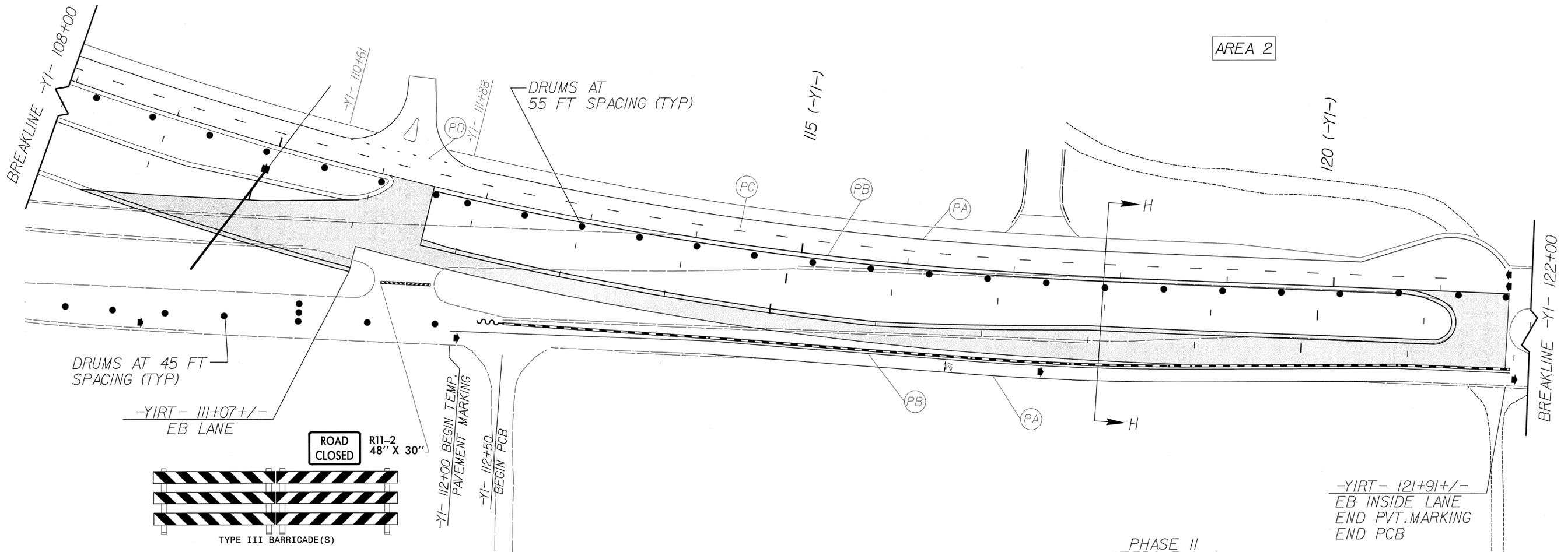
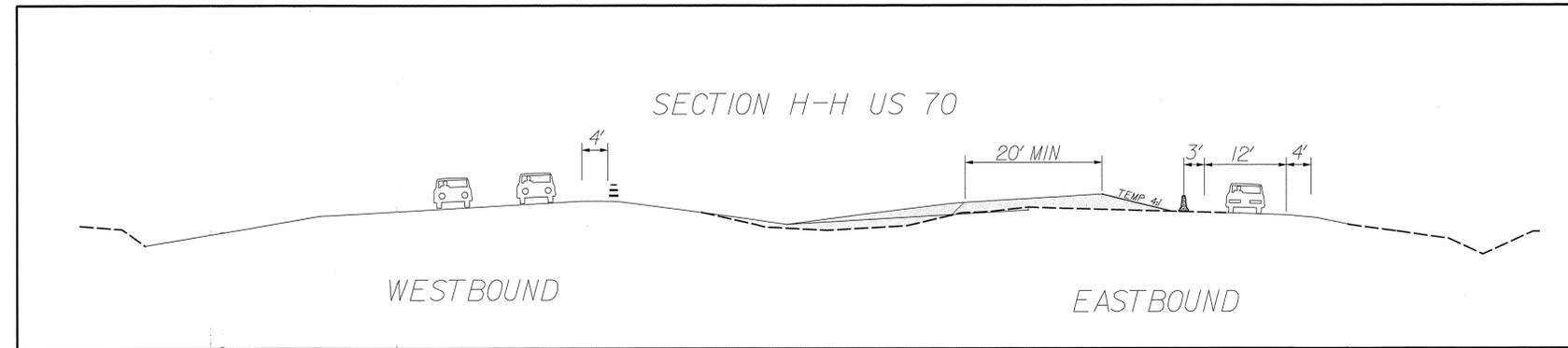
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lisa.mcdonald

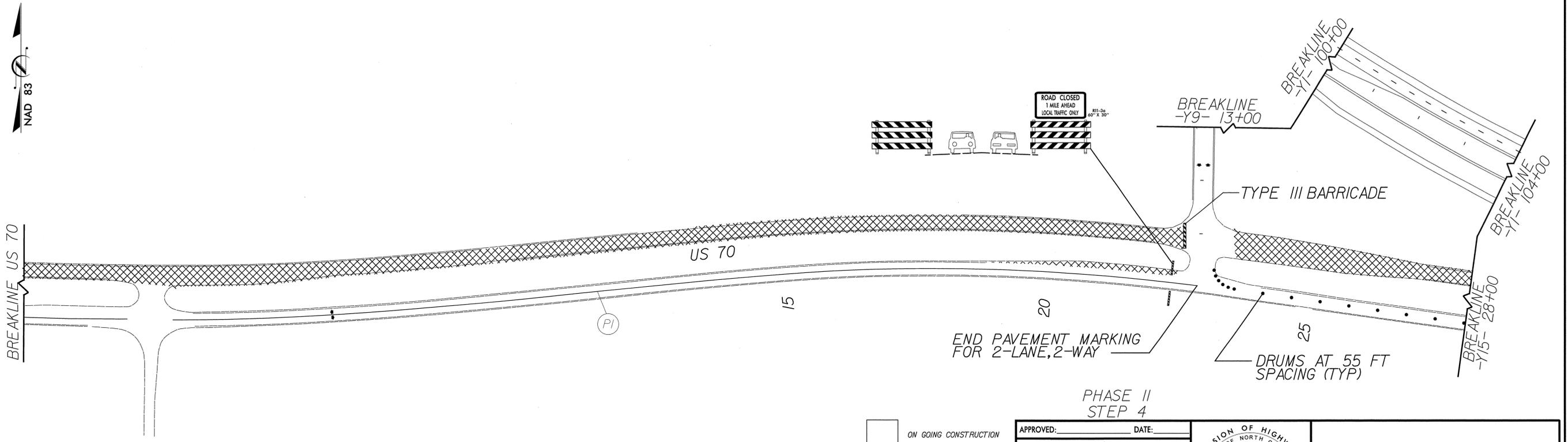
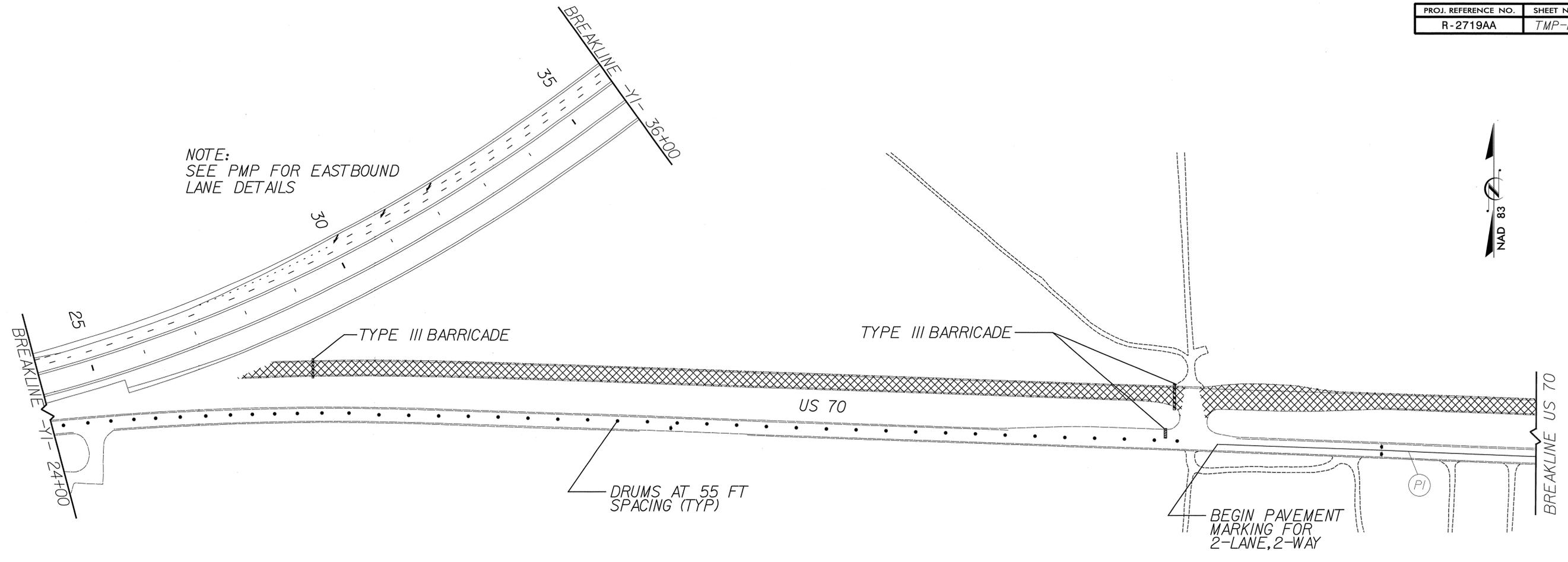
ON GOING CONSTRUCTION  
 PROPOSED CONSTRUCTION

PHASE II  
STEPS 3 & 4

APPROVED: \_\_\_\_\_ DATE: \_\_\_\_\_

PHASE II DETAIL

NOTE:  
SEE PMP FOR EASTBOUND  
LANE DETAILS



ON GOING CONSTRUCTION  
PROPOSED FULL DEPTH CONSTRUCTION

PHASE II  
STEP 4

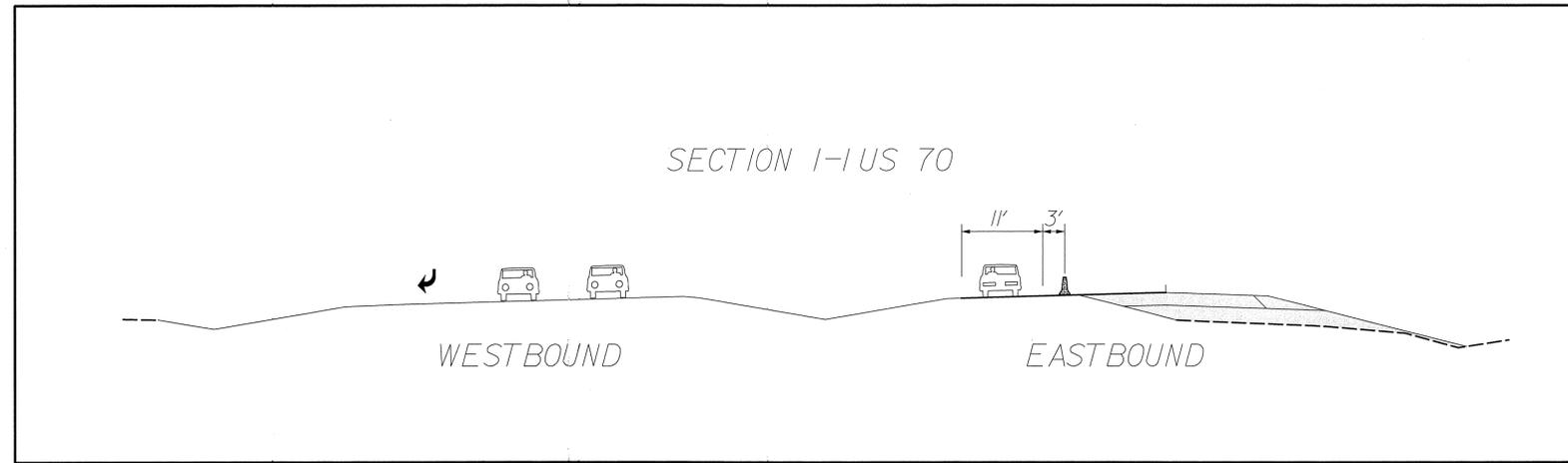
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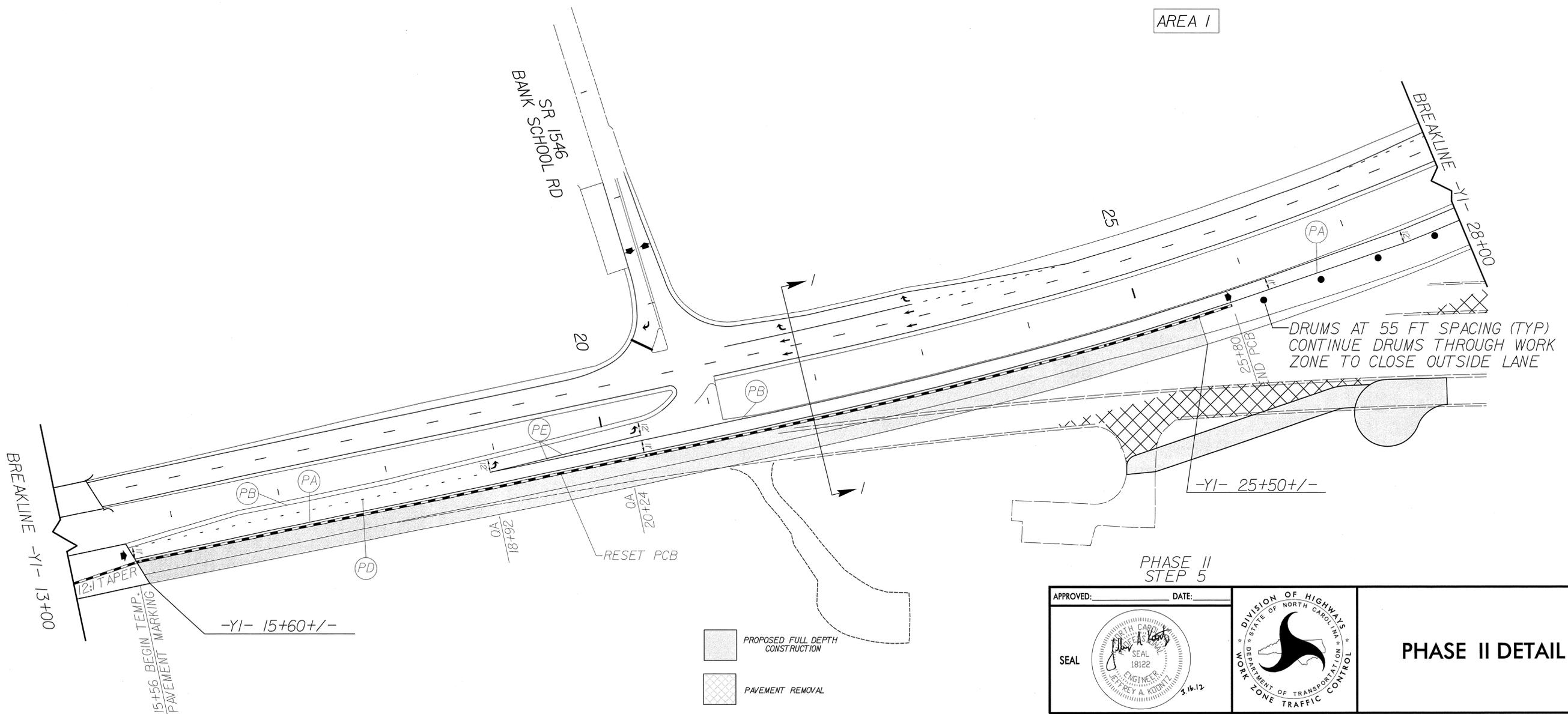


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AREA 1

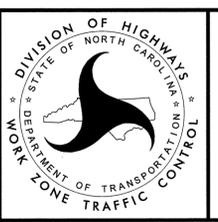


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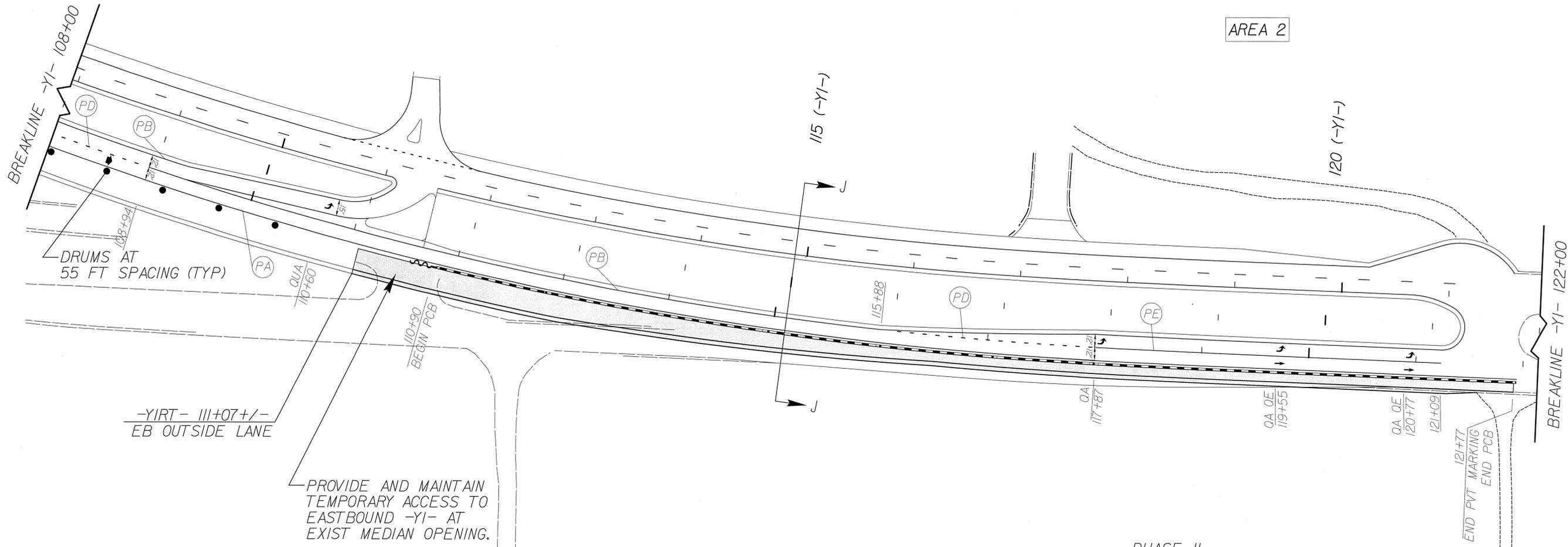
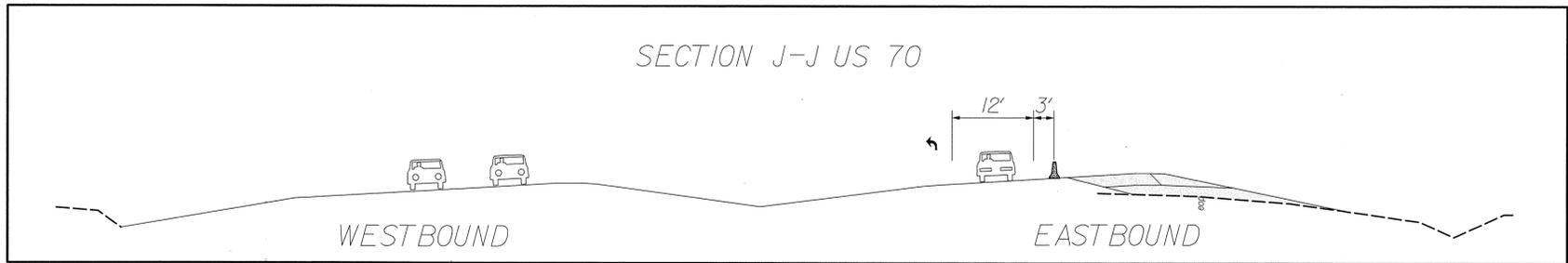
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SEAL

JEFFREY A. KOHNERT  
ENGINEER  
18122  
3/16/12



**PHASE II DETAIL**



-  ON GOING CONSTRUCTION
-  PROPOSED FULL DEPTH CONSTRUCTION
-  PROPOSED WEDGING AND WIDENING

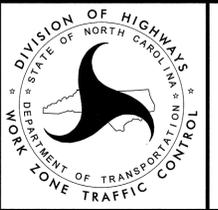
PHASE II  
STEP 5

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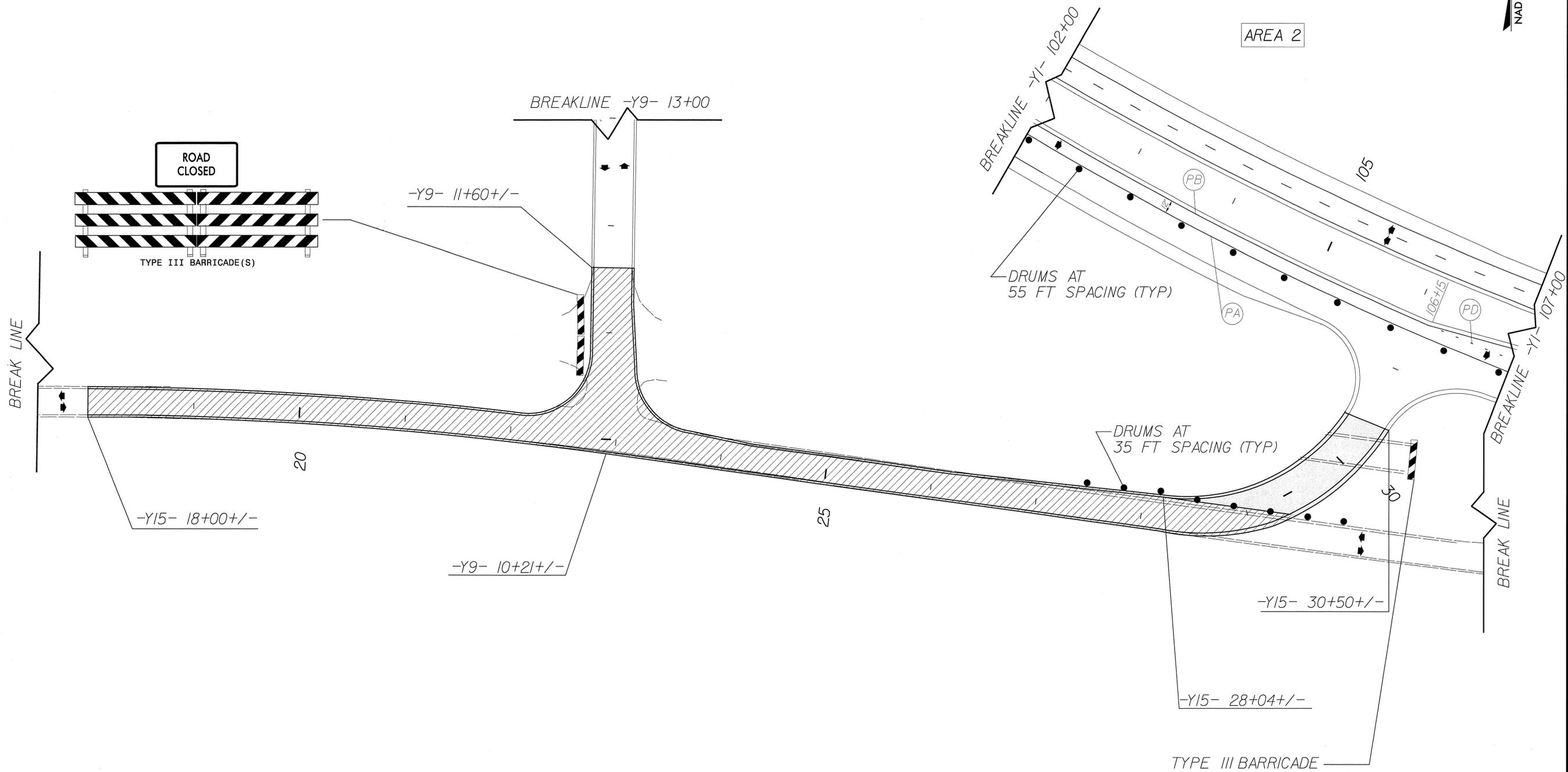


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 lisa.mcdarthur

- PROPOSED FULL DEPTH CONSTRUCTION
- PROPOSED WEDGING AND WIDENING

PHASE II  
STEP 6

APPROVED:	DATE:		
			PHASE II DETAIL

