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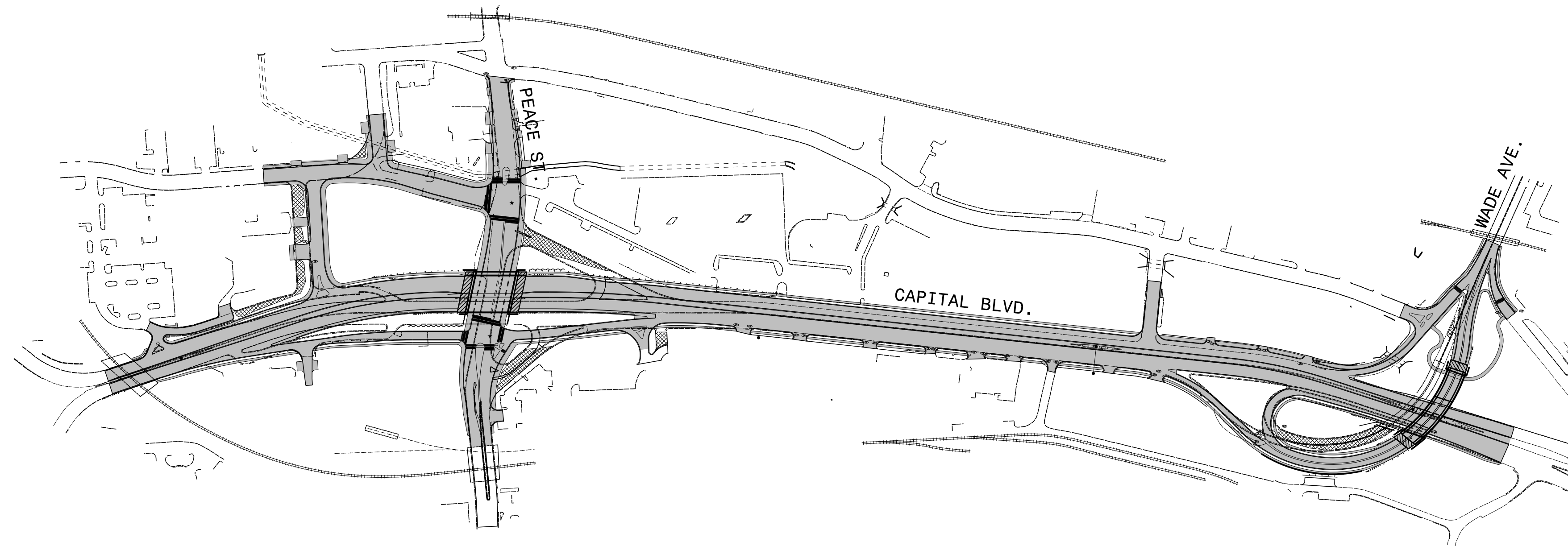
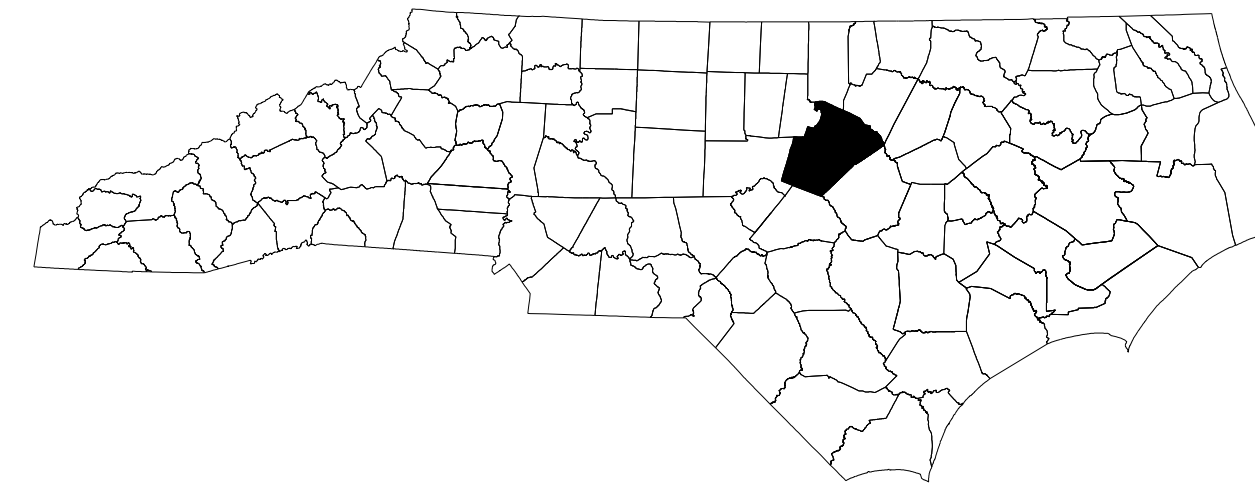
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STATE OF NORTH CAROLINA  
DIVISION OF HIGHWAYS

**TRANSPORTATION MANAGEMENT PLAN**

**WAKE COUNTY**



LOCATION: BRIDGE #227 ON US 70/US 401/NC 50 OVER PEACE STREET  
AND  
BRIDGE #213 ON US 70/NC 50 OVER US 401

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SHEET NO.  
TMP-1

**B-5121 / B-5317**

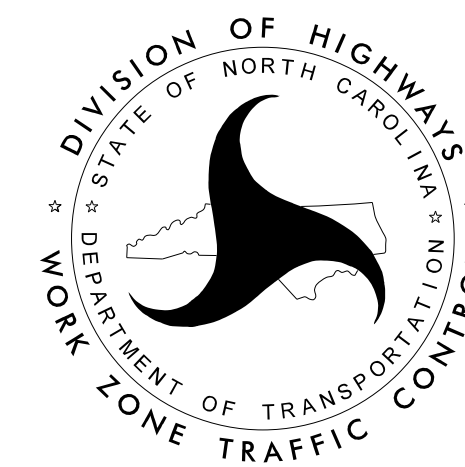
**TIP PROJECT:**

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**N.C.D.O.T. WORK ZONE TRAFFIC CONTROL**  
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DAVID BISSETTE, P.E. TRAFFIC CONTROL PROJECT ENGINEER  
MICHAEL STEELMAN TRAFFIC CONTROL PROJECT DESIGN ENGINEER  
ALLEN HAYES, E.I. TRAFFIC CONTROL DESIGN ENGINEER



PLAN PREPARED FOR NCDOT BY:

**EDDIE WETHERILL, P.E.** PROJECT ENGINEER  
**JESSE GILSTRAP** TRAFFIC CONTROL ENGINEER  
**CHARLES MULLEN** TRAFFIC CONTROL SPECIALIST  
**SCOTT KENNEDY** TRAFFIC CONTROL ENGINEER

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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 ACCESSES
1101.11	TRAFFIC CONTROL DESIGN TABLES
1110.01	STATIONARY WORK ZONE SIGNS
1110.02	PORTABLE WORK ZONE SIGNS
1115.01	FLASHING ARROW BOARDS
1130.01	DRUM
1135.01	CONES
1145.01	BARRICADES
1150.01	FLAGGING DEVICES
1160.01	TEMPORARY CRASH CUSHION
1165.01	WORK VEHICLE LIGHTING SYSTEMS AND TMA DELINEATION
1170.01	POSITIVE PROTECTION
1180.01	SKINNY-DRUM
1205.01	PAVEMENT MARKINGS - LINE TYPES AND OFFSETS
1205.02	PAVEMENT MARKINGS - TWO-LANE AND MULTI-LANE ROADWAYS
1205.03	PAVEMENT MARKINGS - EXITS AND ENTRANCE RAMPS
1205.04	PAVEMENT MARKINGS - INTERSECTIONS
1205.05	PAVEMENT MARKINGS - TURN LANES
1205.06	PAVEMENT MARKINGS - LANE DROPS
1205.07	PAVEMENT MARKINGS - PEDESTRIAN CROSSWALKS
1205.08	PAVEMENT MARKINGS - SYMBOLS AND WORD MESSAGES
1205.09	PAVEMENT MARKINGS - PAINTED ISLANDS
1205.12	PAVEMENT MARKINGS - BRIDGES
1250.01	RAISED PAVEMENT MARKERS - INSTALLATION SPACING
1251.01	RAISED PAVEMENT MARKERS - PERMANENT AND TEMPORARY
1261.01	GUARDRAIL AND BARRIER DELINEATORS - INSTALLATION SPACING
1261.02	GUARDRAIL AND BARRIER DELINEATORS - TYPES AND MOUNTING

## LEGEND

### GENERAL

- DIRECTION OF TRAFFIC FLOW
- DIRECTION OF PEDESTRIAN TRAFFIC FLOW
- EXIST. PVMT.
- NORTH ARROW
- PROPOSED PVMT.
- TEMP. SHORING (LOCATION PURPOSES ONLY)

- WORK AREA
- REMOVAL
- TEMPORARY PAVEMENT
- PAVEMENT WEDGING
- ON GOING CONSTRUCTION

### SIGNALS

- EXISTING
- PROPOSED
- TEMPORARY

### PAVEMENT MARKINGS

- EXISTING LINES
- TEMPORARY LINES

### TRAFFIC CONTROL DEVICES

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

### TEMPORARY SIGNING

- PORTABLE SIGN
- STATIONARY SIGN
- STATIONARY OR PORTABLE SIGN

### PAVEMENT MARKERS

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

### PAVEMENT MARKING SYMBOLS

- PAVEMENT MARKING SYMBOLS

### TEMPORARY PAVEMENT MARKING

#### COLD APPLIED PLASTIC 4" (TYPE 4) - REM. TAPE

- CA WHITE EDGELINE
- CB YELLOW EDGELINE
- CC 10' WHITE SKIP

#### PAINT (4")

- PA WHITE EDGELINE
- PB YELLOW EDGELINE
- PI YELLOW DOUBLE CENTER
- PD 3FT.-9FT./SP WHITE MINI-SKIP
- PE WHITE SOLID LANE LINE
- PH YELLOW SINGLE CENTER
- PC 10' WHITE SKIP
- PF 10' YELLOW SKIP
- P8 2FT.-6FT./SP WHITE MINI-SKIP

#### PAINT (8")

- PN WHITE GORE LINE
- PP YELLOW DIAGONAL
- PQ WHITE CROSSWALK LINE

#### PAINT (24")

- P2 WHITE STOP-BAR
- P3 WHITE CROSSWALK LINE

#### PAINT SYMBOLS

- QA LEFT TURN ARROW
- QB RIGHT TURN ARROW
- QC STRAIGHT ARROW
- QE COMBO. STRAIGHT/RIGHT ARROW
- QD COMBO. STRAIGHT/LEFT ARROW
- QP MERGE ARROW

#### PAINT CHARACTERS

- QI ALPHANUMERIC CHAR.
- QL BICYCLE CHAR.

#### COLD APPLIED SYMBOLS (TYPE 4)

- DB RIGHT TURN ARROW

#### COLD APPLIED CHARACTERS (TYPE 4)

- DI ALPHANUMERIC CHAR.

#### TEMPORARY RAISED MARKERS

- MH YELLOW & YELLOW
- MI CRYSTAL & RED

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<p>1223 Jones Franklin Rd. Raleigh, N.C. 27606 License No. F-0377 Bus: 919 851 8077 Fax: 919 851 8107</p> <p>TRANSPORTATION PLANNING/DESIGN - BRIDGE/STRUCTURE DESIGN CIVIL/SITE DESIGN - GIS/GPS - CONSTRUCTION OBSERVATION</p>	<b>DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED</b>			<b>ROADWAY STANDARD DRAWINGS &amp; LEGEND</b>
	APPROVED:	DATE: _____		

## GENERAL NOTES / LOCAL NOTES

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

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

### TIME RESTRICTIONS

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

ROAD NAME	DAY AND TIME RESTRICTIONS
1. NB CAPITAL BLVD. (ONE LANE), TO INCLUDE PROPOSED RAMP "C" (WHEN OPEN TO TRAFFIC) AND EXISTING OFF-LOOP TO W. PEACE ST.	6:00 AM TO 7:00 PM MONDAY THROUGH FRIDAY AND 12:00 NOON TO 6:00 PM SATURDAY & SUNDAY
2. NB CAPITAL BLVD. (TWO LANES)	6:00 AM TO 10:00 PM MONDAY THROUGH THURSDAY, 6:00 AM TO 12:00 MIDNIGHT FRIDAY AND 9:00 AM TO 8:00 PM SATURDAY & SUNDAY
3. SB CAPITAL BLVD. (ONE LANE) TO INCLUDE EXISTING OFF-RAMP TO W. PEACE ST.	6:00 AM TO 9:00 PM MONDAY THROUGH THURSDAY, 6:00 AM TO 11:00 PM FRIDAY AND 8:00 AM TO 8:00 PM SATURDAY & SUNDAY
4. SB CAPITAL BLVD. (TWO LANES)	6:00 AM TO 9:00 PM MONDAY THROUGH THURSDAY, 6:00 AM TO 11:00 PM FRIDAY AND 8:00 AM TO 12:00 MIDNIGHT SATURDAY & SUNDAY
5. W. PEACE ST. TO INCLUDE EXISTING/PROPOSED RAMP "D" AND EXISTING ON-LOOP TO CAPITAL BLVD.	7:00 AM TO 9:00 PM MONDAY THROUGH THURSDAY, 7:00 AM TO 12:00 MIDNIGHT FRIDAY AND 8:00 AM SATURDAY THROUGH 9:00 PM SUNDAY
6. WADE AVE./FLYOVER TO INCLUDE ALL EXISTING/PROPOSED RAMPS AND LOOPS.	6:00 AM TO 11:00 PM MONDAY THROUGH THURSDAY, 6:00 AM TO 12:00 MIDNIGHT FRIDAY AND 7:00 AM SATURDAY THROUGH 9:00 PM SUNDAY
7. PROPOSED W. JOHNSON ST. (-Y5-) WHEN OPEN TO TRAFFIC.	6:00 AM TO 9:00 PM MONDAY THROUGH THURSDAY, 6:00 AM TO 11:00 PM FRIDAY AND 8:00 AM TO 8:00 PM SATURDAY & SUNDAY
8. PROPOSED HARRINGTON ST. (-Y6-) WHEN OPEN TO TRAFFIC.	6:00 AM TO 9:00 PM MONDAY THROUGH THURSDAY, 6:00 AM TO 11:00 PM FRIDAY AND 8:00 AM TO 8:00 PM SATURDAY & SUNDAY

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

ROAD NAME	DAY AND TIME RESTRICTIONS
1. NB CAPITAL BLVD. TO INCLUDE PROPOSED RAMP "C" (WHEN OPEN TO TRAFFIC) AND EXISTING OFF-LOOP TO W. PEACE ST.	
2. SB CAPITAL BLVD. TO INCLUDE EXISTING OFF-RAMP TO W. PEACE ST.	
3. W. PEACE ST. TO INCLUDE EXISTING/PROPOSED RAMP "D" AND EXISTING ON-LOOP TO SB CAPITAL BLVD.	
4. WADE AVE./FLYOVER TO INCLUDE ALL EXISTING/PROPOSED RAMPS AND LOOPS.	
5. PROPOSED W. JOHNSON ST. (-Y5-) WHEN OPEN TO TRAFFIC.	
6. PROPOSED HARRINGTON ST. (-Y6-) WHEN OPEN TO TRAFFIC.	

### HOLIDAY


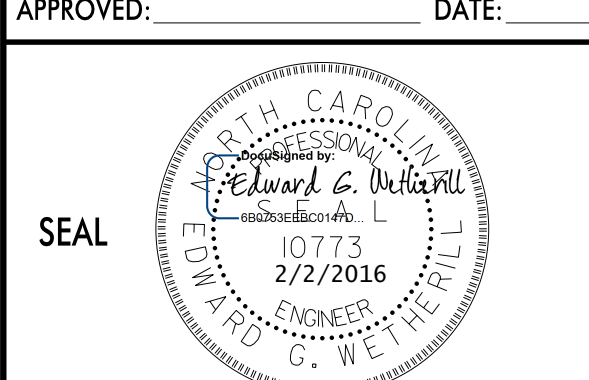

- FOR ANY UNEXPECTED OCCURRENCE THAT CREATE UNUSUALLY HIGH TRAFFIC VOLUMES, AS DIRECTED BY THE ENGINEER.
- FOR NEW YEAR'S, BETWEEN THE HOURS OF 6:00 AM DECEMBER 31st TO 11:00 PM JANUARY 2ND. IF NEW YEAR'S DAY IS ON A FRIDAY, SATURDAY, SUNDAY, OR MONDAY THEN UNTIL 11:00 PM THE FOLLOWING TUESDAY.
- FOR EASTER, BETWEEN THE HOURS OF 6:00 AM THURSDAY AND 11:00 PM MONDAY.
- FOR MEMORIAL DAY, BETWEEN THE HOURS OF 6:00 AM FRIDAY TO 11:00 PM TUESDAY.
- FOR INDEPENDENCE DAY, BETWEEN THE HOURS OF 6:00 AM THE DAY BEFORE INDEPENDENCE DAY AND 11:00 PM THE DAY AFTER INDEPENDENCE DAY.  
  
IF INDEPENDENCE DAY IS ON A FRIDAY, SATURDAY, SUNDAY, OR MONDAY THEN BETWEEN THE HOURS OF 6:00 AM THE THURSDAY BEFORE INDEPENDENCE DAY AND 11:00 PM THE TUESDAY AFTER INDEPENDENCE DAY.
- FOR LABOR DAY, BETWEEN THE HOURS OF 6:00 AM FRIDAY AND 11:00 PM TUESDAY.
- FOR THANKSGIVING DAY, BETWEEN THE HOURS OF 6:00 AM TUESDAY TO 11:00 PM MONDAY.
- FOR CHRISTMAS, BETWEEN THE HOURS OF 6:00 AM THE FRIDAY BEFORE THE WEEK OF CHRISTMAS DAY AND 11:00 PM THE FOLLOWING TUESDAY AFTER THE WEEK OF CHRISTMAS.
- FOR THE ROCK N ROLL MARATHON OCCURRING IN RALEIGH BETWEEN FOUR (4) HOURS BEFORE THE START AND FOUR (4) HOURS AFTER THE END OF THE ROCK N ROLL MARATHON.
- FOR THE ARTSPLOSURE, BETWEEN THE HOURS OF 6:00 PM THE THURSDAY OF THE WEEK OF THE ARTSPLOSURE AND 7:00 AM THE FOLLOWING MONDAY AFTER THE WEEK OF THE ARTSPLOSURE.
- FOR THE IRONMAN OCCURRING IN RALEIGH BETWEEN FOUR (4) HOURS BEFORE THE START AND FOUR (4) HOURS AFTER THE END OF THE IRONMAN.
- FOR THE BIKE FEST, BETWEEN THE HOURS OF 6:00 PM THE THURSDAY OF THE WEEK OF THE BIKE FEST AND 7:00 AM THE FOLLOWING MONDAY AFTER THE WEEK OF THE BIKE FEST.
- FOR THE IBMA BLUEGRASS OCCURRING IN RALEIGH BETWEEN FOUR (4) HOURS BEFORE THE START AND FOUR (4) HOURS AFTER THE END OF THE IBMA BLUEGRASS.
- FOR THE CHRISTMAS PARADE OCCURRING IN RALEIGH BETWEEN SIX (6) HOURS BEFORE THE START AND SIX (6) HOURS AFTER THE END OF THE CHRISTMAS PARADE.

#### C) DO NOT CLOSE ROADS AS FOLLOWS:

ROAD NAME	DAY AND TIME RESTRICTIONS
1. NB CAPITAL BLVD.	5:00 AM TO 12:00 MIDNIGHT, MONDAY THROUGH SUNDAY
2. SB CAPITAL BLVD.	5:00 AM TO 12:00 MIDNIGHT, MONDAY THROUGH SUNDAY
3. W. PEACE ST.	5:00 AM TO 12:00 MIDNIGHT, MONDAY THROUGH SUNDAY

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## GENERAL NOTES / LOCAL NOTES (CONT)

D) DO NOT STOP TRAFFIC AS FOLLOWS:

ROAD NAME	DAY AND TIME RESTRICTIONS	DURATION AND OPERATION
1. NB CAPITAL BLVD. TO INCLUDE PROPOSED RAMP "C" (WHEN OPEN TO TRAFFIC) AND EXISTING OFF-LOOP TO W. PEACE ST.	6:00 AM TO 10:00 PM MONDAY THROUGH THURSDAY, 6:00 AM TO 12:00 MIDNIGHT FRIDAY AND 9:00 AM TO 8:00 PM SATURDAY & SUNDAY.	15 MINUTES, TRAFFIC OPERATIONS
2. SB CAPITAL BLVD. TO INCLUDE EXISTING OFF-RAMP TO W. PEACE ST.	6:00 AM TO 9:00 PM MONDAY THROUGH THURSDAY, 6:00 AM TO 11:00 PM FRIDAY AND 8:00 AM TO 12:00 MIDNIGHT SATURDAY & SUNDAY.	15 MINUTES, TRAFFIC OPERATIONS
3. W. PEACE ST. TO INCLUDE EXISTING/PROPOSED RAMP "D" & EXISTING ON-LOOP TO SB CAPITAL BLVD.	7:00 AM TO 9:00 PM MONDAY THROUGH THURSDAY, 7:00 AM TO 12:00 MIDNIGHT FRIDAY AND 8:00 AM TO SATURDAY THROUGH 9:00 PM SUNDAY.	15 MINUTES, TRAFFIC OPERATIONS
4. WADE AVE. /FLYOVER TO INCLUDE ALL EXISTING/PROPOSED RAMPS AND LOOPS.	6:00 AM TO 11:00 PM MONDAY THROUGH THURSDAY, 6:00 AM TO 12:00 MIDNIGHT FRIDAY AND 7:00 AM TO SATURDAY THROUGH 9:00 PM SUNDAY	15 MINUTES, TRAFFIC OPERATIONS
5. PROPOSED W. JOHNSON ST. (-Y5-) WHEN OPEN TO TRAFFIC.	6:00 AM TO 9:00 PM MONDAY THROUGH THURSDAY, 6:00 AM TO 11:00 PM FRIDAY AND 8:00 AM TO 8:00 PM SATURDAY & SUNDAY	15 MINUTES, TRAFFIC OPERATIONS
6. PROPOSED HARRINGTON ST. (-Y6-) WHEN OPEN TO TRAFFIC.	6:00 AM TO 9:00 PM MONDAY THROUGH THURSDAY, 6:00 AM TO 11:00 PM FRIDAY AND 8:00 AM TO 8:00 PM SATURDAY & SUNDAY	15 MINUTES, TRAFFIC OPERATIONS
7. NB CAPITAL BLVD.	5:00 AM TO 12:00 MIDNIGHT MONDAY THROUGH SUNDAY	30 MINUTES, OVERHEAD SIGN REMOVAL AND INSTALLATION

E) DO NOT CONDUCT SINGLE VEHICLE HAULING AS FOLLOWS; INGRESS AND EGRESS FROM RAMPS (WILL OR WILL NOT) BE ALLOWED:

ROAD NAME	DAY AND TIME RESTRICTIONS
1. ALL	6:00 AM TO 9:00 AM AND 4:00 PM TO 7:00 PM, MONDAY THROUGH SUNDAY

F) DO NOT CONDUCT MULTI-VEHICLE HAULING AS FOLLOWS; INGRESS AND EGRESS FROM RAMPS (WILL OR WILL NOT) BE ALLOWED:

ROAD NAME	DAY AND TIME RESTRICTIONS
1. ALL	6:00 AM TO 9:00 AM AND 4:00 PM TO 7:00 PM, MONDAY THROUGH SUNDAY

G) 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

H) 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.

I) 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.

J) 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.

K) 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.

L) 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.

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

PAVEMENT EDGE DROP OFF REQUIREMENTS

N) 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 A 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.

O) 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) 200 FT IN ADVANCE AND A MINIMUM OF ONCE EVERY HALF MILE THROUGHOUT THE UNEVEN AREA.

TRAFFIC PATTERN ALTERATIONS

P) NOTIFY THE ENGINEER THIRTY (30) CALENDAR DAYS PRIOR TO ANY TRAFFIC PATTERN ALTERATION.

SIGNING

Q) 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.

R) 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.

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

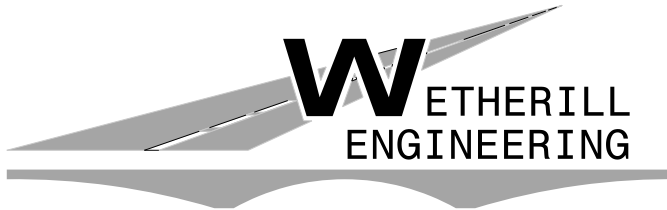
COVER OR REMOVE ALL SIGNS REQUIRED FOR THE OFF-SITE DETOUR WHEN THE DETOUR IS NOT IN OPERATION.

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

U) INSTALL BLACK ON ORANGE "DIP" SIGNS (W8-2) AND/OR "BUMP" SIGNS (W8-1) 200 FT IN ADVANCE OF THE UNEVEN AREA, OR AS DIRECTED BY THE ENGINEER.

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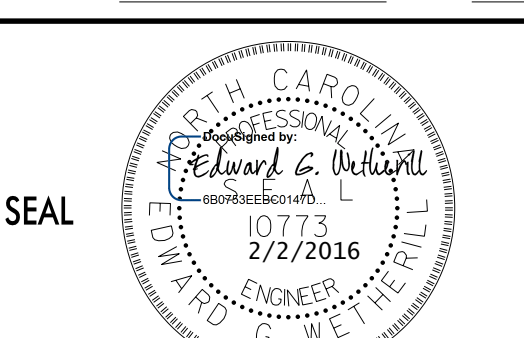
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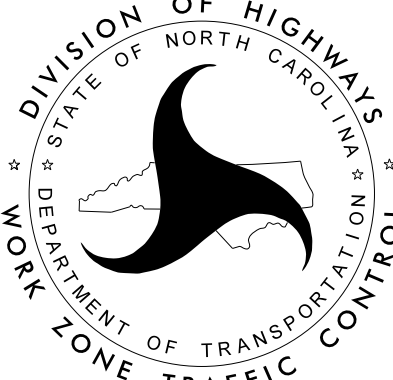
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SEAL



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

## GENERAL NOTES AND PROJECT NOTES

## GENERAL NOTES / LOCAL NOTES (CONT)

### TRAFFIC BARRIER

V) INSTALL TEMPORARY BARRIER ACCORDING TO THE TRAFFIC CONTROL 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 TRAFFIC CONTROL 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 TRAFFIC CONTROL 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.

W) 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 IMPACT 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:

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

X) WHEN LANE CLOSURES ARE NOT IN EFFECT 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. REFER TO STANDARD SPECIFICATIONS FOR ROADS AND STRUCTURES SECTIONS 1130 (DRUMS), 1135 (CONES) AND 1180 (SKINNY DRUMS) FOR ADDITIONAL REQUIREMENTS.

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

Z) PLACE ADDITIONAL SETS OF THREE CHANNELIZING DEVICES (DRUMS, CONES OR SKINNY DRUMS) PERPENDICULAR TO THE EDGE OF TRAVELWAY ON 200 FT CENTERS WHEN UNOPENED LANES ARE CLOSED TO TRAFFIC.

### PAVEMENT MARKINGS AND MARKERS

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

ROAD NAME	MARKING	MARKER
1. ALL ASPHALT PAVEMENT	PAINT	TEMPORARY RAISED
2. PROPOSED BRIDGE DECKS	COLD APPLIED PLASTIC TYPE IV (REMOVABLE TAPE)	TEMPORARY RAISED

BB) 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.

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

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

EE) TRACE THE EXISTING AND/OR PROPOSED MONOLITHIC ISLAND LOCATIONS WITH THE PROPER COLOR PAVEMENT MARKING PRIOR TO REMOVAL AND/OR INSTALLATION. PLACE DRUMS TO DELINEATE ANY EXISTING AND/OR PROPOSED MONOLITHIC ISLANDS AFTER REMOVAL AND/OR BEFORE INSTALLATION.

### MISCELLANEOUS

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

GG) ALL CURB RAMP LOCATIONS SHALL BE DERIVED FROM STATIONING SHOWN ON PAVEMENT MARKING PLANS OR AS DIRECTED BY THE ENGINEER IN COORDINATION WITH THE SIGNING AND DELINEATION UNIT.

HH) CONTRACTOR SHALL MAINTAIN SIDEWALK ACCESS AT ALL TIME AS STATED IN THE PHASING. CONTRACTOR SHALL BE RESPONSIBLE TO PROVIDE TEMPORARY SIDEWALKS (CONCRETE, ASPHALT, OR OTHER SUITABLE MATERIAL AS APPROVED BY THE ENGINEER) AT ALL LOCATIONS WHERE THE OPEN PEDESTRIAN TRAVELWAY HAS BEEN REMOVED FOR CONSTRUCTION OPERATIONS (UTILITIES, DRAINAGE, ETC.).

II) WHEN CONSTRUCTING DRAINAGE STRUCTURES ADJACENT TO TRAFFIC, INSTALL TEMPORARY STEEL PLATES AS DIRECTED BY THE ENGINEER. MAY WORK EACH LOCATION INDEPENDENTLY OR CONCURRENTLY, UNLESS OTHERWISE DIRECTED BY THE ENGINEER. WORK IN A CONTINUOUS MANNER TO PERFORM THE WORK IN THE FOLLOWING SEQUENCE, IN STEPS 'A' THRU 'E'.

A: CLOSE THE APPROPRIATE TRAVEL LANE TO TRAFFIC USING ROADWAY STANDARD DRAWING NO. 1101.02 SHEETS 1, 2, 3, 8 & 10 OF 15.

B: CONSTRUCT PROPOSED STRUCTURE OR INSTALL PRE-CAST DRAINAGE STRUCTURE AS SHOWN IN THE CONSTRUCTION PLANS AND COVER WITH STEEL PLATES TO PROTECT STRUCTURE DURING CURING.

C: OPEN TRAVEL LANE TO EXISTING TRAFFIC PATTERN BY THE END OF EACH WORK PERIOD.

D: WHEN PROPERLY CURED, CLOSE THE APPROPRIATE TRAVEL LANE USING ROADWAY STANDARD DRAWING NO. 1101.02 SHEETS 1, 2, 3, 8 & 10 OF 15. BACKFILL & PAVE, IF REQUIRED, UP TO THE EDGE AND ELEVATION OF EXISTING PAVEMENT (SEE CONSTRUCTION PLANS).

E: OPEN TRAVEL LANE TO EXISTING TRAFFIC PATTERN BY THE END OF THE WORK PERIOD.

JJ) CONSTRUCT ALL PAVEMENT (TEMPORARY AND/OR PROPOSED) TO MAINTAIN DRAINAGE AND NOT POND WATER IN THE TRAFFIC LANES.

KK) TEMPORARY PAVEMENT MAY BE UTILIZED IN THE CONSTRUCTION OF THE PROPOSED AS DIRECTED BY THE ENGINEER.

LL) PLACE TRAFFIC BACK INTO EXISTING PATTERN AT THE END OF EACH WORK PERIOD.

MM) PLACE TYPE III BARRICADES & DRUMS AT ALL -Y- LINES AND DRUMS AT ALL DRIVEWAYS TO KEEP PROPOSED/TEMPORARY WIDENING CLOSED TO TRAFFIC.

NN) TEMPORARY SHORING MAY BE ADJUSTED SO AS NOT TO CONFLICT WITH EXISTING UTILITIES.

OO) INSTALL TEMPORARY GLARE SCREEN ON PORTABLE CONCRETE BARRIER THAT SEPARATES TWO-WAY TRAFFIC ON CAPITAL BLVD.

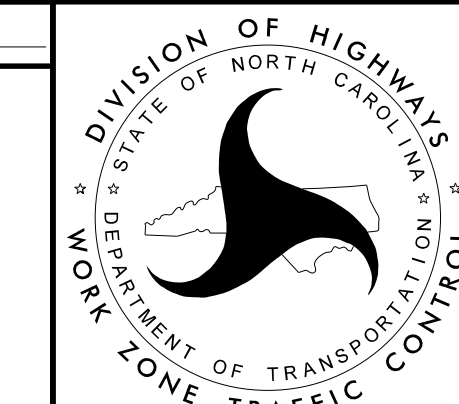
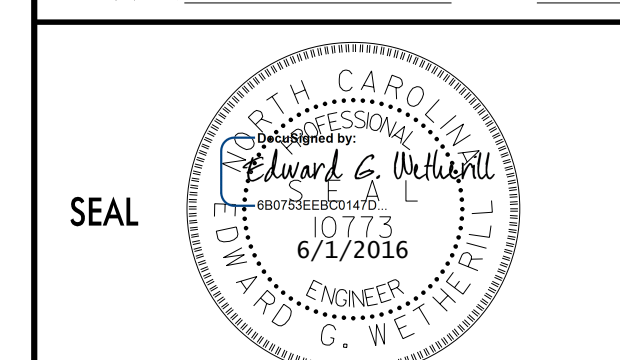
PP) PROTECT PEDESTRIANS FROM FALLING DEBRIS ALONG EXISTING SIDEWALKS BENEATH THE US 70/US 401/NC 50 BRIDGE STRUCTURES AT ALL TIMES DURING CONSTRUCTION (SEE SPECIAL PROVISIONS).

QQ) MOUNT 35 MPH ADVISORY SPEED PLAQUES (W13-1, BLACK ON ORANGE) BELOW ALL "TRAFFIC SHIFT" SIGNS (W1-4) ON CAPITAL BLVD. (-L-), UNLESS OTHERWISE SHOWN IN THE TMP. IN ADDITION, MOUNT 35 MPH ADVISORY SPEED PLAQUES (W13-1, BLACK ON ORANGE) BELOW ALL "LEFT/RIGHT LANE CLOSED AHEAD" SIGNS (W20-5), "LEFT/RIGHT LANE CLOSED" SIGNS (W20-5), "LEFT/RIGHT TWO LANES CLOSED AHEAD" SIGNS (W20-5a) AND "LEFT/RIGHT TWO LANES CLOSED" SIGNS (W20-5a) WHEN UTILIZING LANE CLOSURES ON CAPITAL BLVD. (-L-).

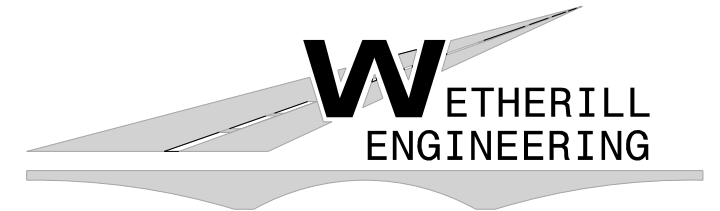
IF THE MERGE TAPER OR SIGNS FOR THE LANE CLOSURE ON CAPITAL BLVD. FALLS WITHIN THE LIMITS OF THE INSTALLED 25 MPH ADVISORY SPEED PLAQUES (W13-1, BLACK ON ORANGE) SHOWN IN THE PLAN (SEE SHEETS TMP-29 AND TMP-30), THEN DO NOT MOUNT THE 35 MPH ADVISORY SPEED PLAQUES BELOW THE LANE CLOSURE SIGNS.

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



## GENERAL NOTES AND PROJECT NOTES

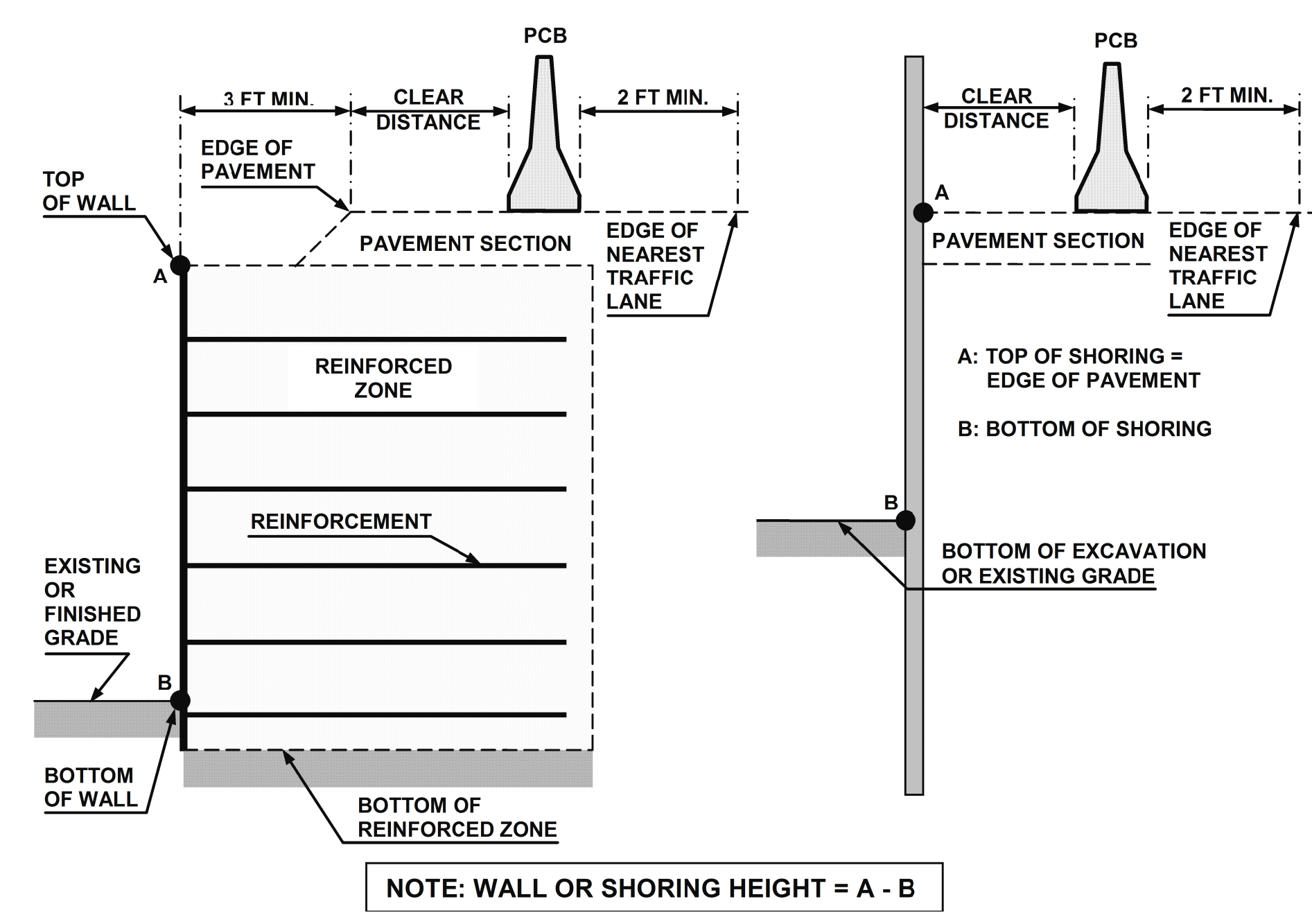


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TRANSPORTATION PLANNING/DESIGN - BRIDGE/STRUCTURE DESIGN  
CIVIL/SITE DESIGN - GIS/GPS - CONSTRUCTION OBSERVATION

6/1/2016 P:\2014\B-5121-B-5317\TrafficControl\Top\Current TMP Files\LANE'S CURRENT\Peace St\B5121B5317\_Tc\_TMP\_Peace.pshd.dgn User:skennedy



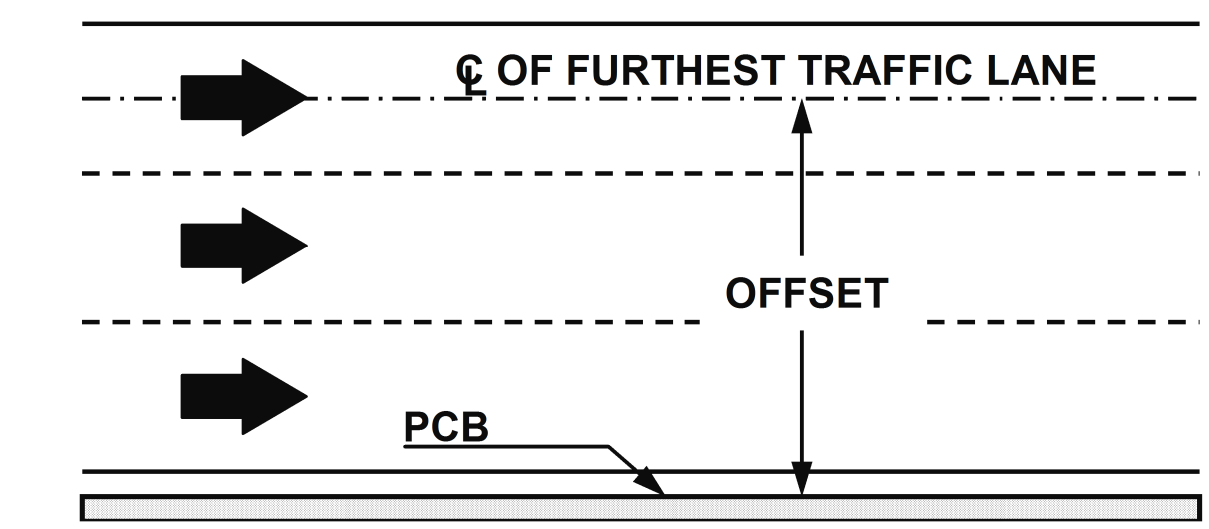
# FIGURE A

## NOTES

- 1- REFER TO THE TRAFFIC CONTROL PLANS FOR TEMPORARY SHORING LOCATIONS AND NOTES.
- 2- REFER TO THE "TEMPORARY SHORING" PROJECT SPECIAL PROVISION FOR INFORMATION ABOUT TEMPORARY SHORING AND PORTABLE CONCRETE BARRIER (PCB).
- 3- PCB IS REQUIRED IF TEMPORARY SHORING IS LOCATED WITHIN THE CLEAR ZONE IN ACCORDANCE WITH THE AASHTO ROADSIDE DESIGN GUIDE. DO NOT PLACE BARRIER DIRECTLY ON ANY SURFACE OTHER THAN ASPHALT OR CONCRETE. (CONTACT NCDOT PAVEMENT MANAGEMENT UNIT FOR APPLICABLE PAVEMENT DESIGN).
- 4- BASED ON THE CLEAR DISTANCE, OFFSET, DESIGN SPEED AND PAVEMENT TYPE, CHOOSE AN UNANCHORED OR ANCHORED PCB FROM THE TABLE SHOWN IN FIGURE B. CLEAR DISTANCE IS DEFINED AS SHOWN IN FIGURE A AND OFFSET IS DEFINED AS SHOWN IN FIGURE B.
- 5- AT THE CONTRACTOR'S OPTION OR IF THE MINIMUM REQUIRED CLEAR DISTANCE IS NOT AVAILABLE, SET PCB NEXT TO AND UP AGAINST THE TRAFFIC SIDE OF THE TEMPORARY SHORING EXCEPT FOR BARRIER ABOVE TEMPORARY WALLS. PCB WITH THE MINIMUM REQUIRED CLEAR DISTANCE IS REQUIRED ABOVE TEMPORARY WALLS.
- 6- USE NCDOT PORTABLE CONCRETE BARRIER (PCB) IN ACCORDANCE WITH ROADWAY STANDARD DRAWING NO. 1170.01 AND SECTION 1170 OF THE STANDARD SPECIFICATIONS.
- 7- PCB REQUIREMENTS FOR TEMPORARY WALLS APPLY TO TEMPORARY MECHANICALLY STABILIZED EARTH (MSE) WALLS AND TEMPORARY SOIL NAIL WALLS.
- 8- SET PCB WITH A MINIMUM HORIZONTAL DISTANCE OF 2 FT BETWEEN THE FRONT FACE OF THE BARRIER AND THE EDGE OF THE NEAREST TRAFFIC LANE AS SHOWN IN FIGURE A UNLESS OTHERWISE SHOWN IN THE PLANS AND OR AS APPROVED BY THE ENGINEER.
- 9- FOR PCB ABOVE AND BEHIND TEMPORARY WALLS, PROVIDE A MINIMUM DISTANCE OF 3 FT BETWEEN THE EDGE OF PAVEMENT AND THE WALL FACE AS SHOWN IN FIGURE A. IF THESE MINIMUM REQUIRED DISTANCES ARE NOT AVAILABLE, CONTACT THE ENGINEER.
- 10- TABLE SHOWN IN FIGURE B IS BASED ON NCDOT RESEARCH PROJECT NO. 2005-010 WITH VEHICLE TYPE USED FOR NCHRP 350 CRASH TESTS. BARRIER DEFLECTIONS AND RESULTING MINIMUM REQUIRED CLEAR DISTANCES MIGHT VARY SIGNIFICANTLY FOR LARGER HEAVIER VEHICLES, RUNS OF BARRIER LESS THAN 200 FT IN LENGTH AND WET OR DRY PAVEMENT.

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

\* See Figure Below



# FIGURE B

**DOCUMENT NOT CONSIDERED FINAL  
UNLESS ALL SIGNATURES COMPLETED**

APPROVED: _____			PORTABLE CONCRETE BARRIER AT TEMPORARY SHORING LOCATIONS
DATE: _____			
SEAL			

2/1/2016  
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 User:skennedy

THE NCDOT GEOTECHNICAL UNIT RECOMMENDS THE FOLLOWING NOTES ON PLANS FOR THE PROPOSED SHORING LOCATIONS:

**SHORING LOCATION NO. 1**

FOR TEMPORARY SHORING AND POSITIVE PROTECTION FOR TEMPORARY SHORING, SEE PLANS AND TEMPORARY SHORING PROVISION.

BEFORE BEGINNING TEMPORARY SHORING DESIGN OR CONSTRUCTION, SURVEY EXISTING GROUND ELEVATIONS IN THE VICINITY OF SHORING LOCATIONS TO DETERMINE ACTUAL SHORING HEIGHTS.

DESIGN TEMPORARY SHORING FROM STATION -L- 19+50 +/-, 95.0 +/- FT RIGHT, TO STATION -L- 21+20 +/-, 100.0 +/- FT RIGHT, FOR THE FOLLOWING ASSUMED SOIL PARAMETERS AND GROUNDWATER ELEVATION:

UNIT WEIGHT (γ) = 120 LB/CF  
 FRICTION ANGLE (φ) = 30 DEGREES  
 COHESION (c) = 0 LB/SF  
 GROUNDWATER ELEVATION = 272.0 +/- FT

DRIVEN PILING FOR TEMPORARY SHORING FROM STATION -L- 19+50 +/-, 95.0 +/- FT RIGHT, TO STATION -L- 21+20 +/-, 100.0 +/- FT RIGHT MAY NOT PENETRATE BELOW ELEVATION 268 FT DUE TO OBSTRUCTIONS, VERY DENSE OR HARD SOIL, BOULDERS OR WEATHERED OR HARD ROCK.

DO NOT USE A TEMPORARY WALL FOR TEMPORARY SHORING FROM STATION -L- 19+50 +/-, 95.0 +/- FT RIGHT, TO STATION -L- 21+20 +/-, 100.0 +/- FT RIGHT.

AT THE CONTRACTOR'S OPTION, USE STANDARD TEMPORARY SHORING FOR TEMPORARY SHORING FROM STATION -L- 19+50 +/-, 95.0 +/- FT RIGHT, TO STATION -L- 21+20 +/-, 100.0 +/- FT RIGHT. SEE STANDARD DETAIL NO. 1801.01 FOR STANDARD TEMPORARY SHORING.

**SHORING LOCATION NO. 2**

FOR TEMPORARY SHORING AND POSITIVE PROTECTION FOR TEMPORARY SHORING, SEE PLANS AND TEMPORARY SHORING PROVISION.

BEFORE BEGINNING TEMPORARY SHORING DESIGN OR CONSTRUCTION, SURVEY EXISTING GROUND ELEVATIONS IN THE VICINITY OF SHORING LOCATIONS TO DETERMINE ACTUAL SHORING HEIGHTS.

DESIGN TEMPORARY SHORING FROM STATION -L- 21+00 +/-, 13.0 +/- FT RIGHT, TO STATION -L- 21+75 +/-, 15.0 +/- FT RIGHT, FOR THE FOLLOWING ASSUMED SOIL PARAMETERS AND GROUNDWATER ELEVATION:

UNIT WEIGHT (γ) = 120 LB/CF  
 FRICTION ANGLE (φ) = 30 DEGREES  
 COHESION (c) = 0 LB/SF  
 GROUNDWATER ELEVATION = 270.0 +/- FT

DRIVEN PILING FOR TEMPORARY SHORING FROM STATION -L- 21+00 +/-, 13.0 +/- FT RIGHT, TO STATION -L- 21+75 +/-, 15.0 +/- FT RIGHT MAY NOT PENETRATE BELOW ELEVATION 265 FT DUE TO OBSTRUCTIONS, VERY DENSE OR HARD SOIL, BOULDERS, OR WEATHERED OR HARD ROCK.

DO NOT USE A TEMPORARY WALL FOR TEMPORARY SHORING FROM STATION -L- 21+00 +/-, 13.0 +/- FT RIGHT, TO STATION -L- 21+75 +/-, 15.0 +/- FT RIGHT.

**SHORING LOCATION NO. 3**

FOR TEMPORARY SHORING AND POSITIVE PROTECTION FOR TEMPORARY SHORING, SEE PLANS AND TEMPORARY SHORING PROVISION.

BEFORE BEGINNING TEMPORARY SHORING DESIGN OR CONSTRUCTION, SURVEY EXISTING GROUND ELEVATIONS IN THE VICINITY OF SHORING LOCATIONS TO DETERMINE ACTUAL SHORING HEIGHTS.

DESIGN TEMPORARY SHORING FROM STATION -L- 19+50 +/-, 7.0 +/- FT RIGHT, TO STATION -L- 21+50 +/-, 7.0 +/- FT RIGHT, FOR THE FOLLOWING ASSUMED SOIL PARAMETERS AND GROUNDWATER ELEVATION:

UNIT WEIGHT (γ) = 120 LB/CF  
 FRICTION ANGLE (φ) = 30 DEGREES  
 COHESION (c) = 0 LB/SF  
 GROUNDWATER ELEVATION = 270.0 +/- FT

DO NOT USE CANTILEVER, BRACED AND/OR ANCHORED SHORING FOR TEMPORARY SHORING FROM STATION -L- 19+50 +/-, 7.0 +/- FT RIGHT, TO STATION -L- 21+50 +/-, 7.0 +/- FT RIGHT.

AT THE CONTRACTOR'S OPTION, USE STANDARD TEMPORARY WALL FOR TEMPORARY SHORING FROM STATION -L- 19+50 +/-, 7.0 +/- FT RIGHT, TO STATION -L- 21+50 +/-, 7.0 +/- FT RIGHT. SEE STANDARD DRAWING NO. 1801.02 FOR STANDARD TEMPORARY WALLS.

WHEN BACKFILL FOR BRIDGE APPROACH FILLS OVERLAPS WITH THE REINFORCED ZONE OF TEMPORARY WALLS, USE SHORING BACKFILL OR BACKFILL MATERIAL REQUIRED FOR BRIDGE APPROACH FILLS, WHICHEVER IS BETTER, IN THE REINFORCED ZONE OF TEMPORARY WALLS.

**SHORING LOCATION NO. 4**

FOR TEMPORARY SHORING AND POSITIVE PROTECTION FOR TEMPORARY SHORING, SEE PLANS AND TEMPORARY SHORING PROVISION.

BEFORE BEGINNING TEMPORARY SHORING DESIGN OR CONSTRUCTION, SURVEY EXISTING GROUND ELEVATIONS IN THE VICINITY OF SHORING LOCATIONS TO DETERMINE ACTUAL SHORING HEIGHTS.

DESIGN TEMPORARY SHORING FROM STATION -L- 22+45 +/-, 14.0 +/- FT RIGHT, TO STATION -L- 23+20 +/-, 13.0 +/- FT RIGHT, FOR THE FOLLOWING ASSUMED SOIL PARAMETERS AND GROUNDWATER ELEVATION:

UNIT WEIGHT (γ) = 120 LB/CF  
 FRICTION ANGLE (φ) = 30 DEGREES  
 COHESION (c) = 0 LB/SF  
 GROUNDWATER ELEVATION = 268.0 +/- FT

DRIVEN PILING FOR TEMPORARY SHORING FROM STATION -L- 22+45 +/-, 14.0 FT RIGHT, TO STATION -L- 23+20 +/-, 13.0 +/- FT RIGHT, MAY NOT PENETRATE BELOW ELEVATION 262 FT DUE TO OBSTRUCTIONS, VERY DENSE OR HARD SOIL, BOULDERS, OR WEATHERED OR HARD ROCK.

DO NOT USE A TEMPORARY WALL FOR TEMPORARY SHORING FROM STATION -L- 22+45 +/-, 14.0 +/- FT RIGHT, TO STATION -L- 23+20 +/-, 13.0 FT RIGHT.

**SHORING LOCATION NO. 5**

FOR TEMPORARY SHORING AND POSITIVE PROTECTION FOR TEMPORARY SHORING, SEE PLANS AND TEMPORARY SHORING PROVISION.

BEFORE BEGINNING TEMPORARY SHORING DESIGN OR CONSTRUCTION, SURVEY EXISTING GROUND ELEVATIONS IN THE VICINITY OF SHORING LOCATIONS TO DETERMINE ACTUAL SHORING HEIGHTS.

DESIGN TEMPORARY SHORING FROM STATION -L- 22+67 +/-, 10.0 +/- FT RIGHT, TO STATION -L- 24+00 +/-, 10.0 +/- FT RIGHT, FOR THE FOLLOWING ASSUMED SOIL PARAMETERS AND GROUNDWATER ELEVATION:

UNIT WEIGHT (γ) = 120 LB/CF  
 FRICTION ANGLE (φ) = 30 DEGREES  
 COHESION (c) = 0 LB/SF  
 GROUNDWATER ELEVATION = 268.0 +/- FT

DO NOT USE CANTILEVER, BRACED AND/OR ANCHORED SHORING FOR TEMPORARY SHORING FROM STATION -L- 22+67 +/-, 10.0 +/- FT RIGHT, TO STATION -L- 24+00 +/-, 10.0 +/- FT RIGHT.

AT THE CONTRACTOR'S OPTION, USE STANDARD TEMPORARY WALL FOR TEMPORARY SHORING FROM STATION -L- 22+67 +/-, 10.0 +/- FT RIGHT, TO STATION -L- 24+00 +/-, 10.0 +/- FT RIGHT. SEE STANDARD DRAWING NO. 1801.02 FOR STANDARD TEMPORARY WALLS.

WHEN BACKFILL FOR BRIDGE APPROACH FILLS OVERLAPS WITH THE REINFORCED ZONE OF TEMPORARY WALLS, USE SHORING BACKFILL OR BACKFILL MATERIAL REQUIRED FOR BRIDGE APPROACH FILLS, WHICHEVER IS BETTER, IN THE REINFORCED ZONE OF TEMPORARY WALLS.

**SHORING LOCATION NO. 6**

FOR TEMPORARY SHORING AND POSITIVE PROTECTION FOR TEMPORARY SHORING, SEE PLANS AND TEMPORARY SHORING PROVISION.

BEFORE BEGINNING TEMPORARY SHORING DESIGN OR CONSTRUCTION, SURVEY EXISTING GROUND ELEVATIONS IN THE VICINITY OF SHORING LOCATIONS TO DETERMINE ACTUAL SHORING HEIGHTS.

DESIGN TEMPORARY SHORING FROM STATION -L- 23+15 +/-, 115.0 +/- FT LEFT, TO STATION -L- 24+00 +/-, 95.0 +/- FT LEFT, FOR THE FOLLOWING ASSUMED SOIL PARAMETERS AND GROUNDWATER ELEVATION:

UNIT WEIGHT (γ) = 120 LB/CF  
 FRICTION ANGLE (φ) = 30 DEGREES  
 COHESION (c) = 0 LB/SF  
 GROUNDWATER ELEVATION = 268.0 +/- FT

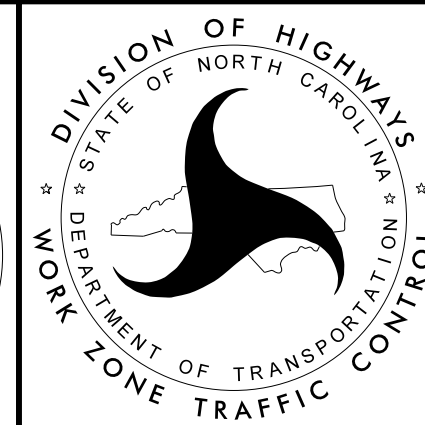
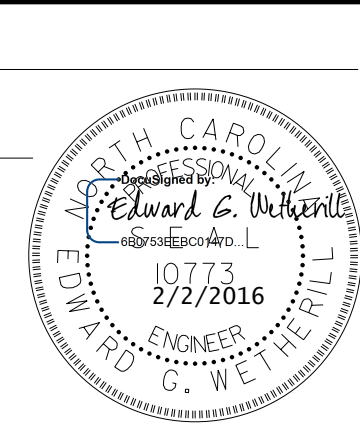
DO NOT USE CANTILEVER, BRACED AND/OR ANCHORED SHORING FOR TEMPORARY SHORING FROM STATION -L- 23+15 +/-, 115.0 +/- FT LEFT, TO STATION -L- 24+00 +/-, 95.0 +/- FT LEFT.

AT THE CONTRACTOR'S OPTION, USE STANDARD TEMPORARY WALL FOR TEMPORARY SHORING FROM STATION -L- 23+15 +/-, 115.0 +/- FT LEFT, TO STATION -L- 24+00 +/-, 95.0 +/- FT LEFT. SEE STANDARD DRAWING NO. 1801.02 FOR STANDARD TEMPORARY WALLS.

THE TEMPORARY SHORING NOTES SHOWN ON THIS SHEET WERE PROVIDED THROUGH A SEALED DOCUMENT FROM THE NCDOT GEOTECHNICAL ENGINEERING UNIT. THE DOCUMENT WAS SUBMITTED TO NCDOT/WZTC ON DECEMBER 22, 2015 AND SEALED BY A PROFESSIONAL ENGINEER, THEIN T. ZAN, P.E., LICENSE NO. 030943.

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



**TEMPORARY SHORING NOTES**

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THE NCDOT GEOTECHNICAL UNIT RECOMMENDS THE FOLLOWING NOTES ON PLANS FOR THE PROPOSED SHORING LOCATIONS:

SHORING LOCATION NO. 7

FOR TEMPORARY SHORING AND POSITIVE PROTECTION FOR TEMPORARY SHORING, SEE PLANS AND TEMPORARY SHORING PROVISION.

BEFORE BEGINNING TEMPORARY SHORING DESIGN OR CONSTRUCTION, SURVEY EXISTING GROUND ELEVATIONS IN THE VICINITY OF SHORING LOCATIONS TO DETERMINE ACTUAL SHORING HEIGHTS.

DESIGN TEMPORARY SHORING FROM STATION -Y1- 14+85 +/-, 2.0 +/- FT LEFT, TO STATION -Y1- 15+34 +/-, 2.0 +/- FT LEFT, FOR THE FOLLOWING ASSUMED SOIL PARAMETERS AND GROUNDWATER ELEVATION:

UNIT WEIGHT ( $\gamma$ ) = 120 LB/CF  
 FRICTION ANGLE ( $\phi$ ) = 30 DEGREES  
 COHESION ( $c$ ) = 0 LB/SF  
 GROUNDWATER ELEVATION = 262.0 +/- FT

DO NOT USE CANTILEVER, BRACED AND/OR ANCHORED SHORING FOR TEMPORARY SHORING FROM STATION -Y1- 14+85 +/-, 2.0 +/- FT LEFT, TO STATION -Y1- 15+34 +/-, 2.0 +/- FT LEFT.

AT THE CONTRACTOR'S OPTION, USE STANDARD TEMPORARY WALL FOR TEMPORARY SHORING FROM STATION -Y1- 14+85 +/-, 2.0 +/- FT LEFT, TO STATION -Y1- 15+34 +/-, 2.0 +/- FT LEFT. SEE STANDARD DRAWING NO. 1801.02 FOR STANDARD TEMPORARY WALLS.

SHORING LOCATION NO. 8

FOR TEMPORARY SHORING AND POSITIVE PROTECTION FOR TEMPORARY SHORING, SEE PLANS AND TEMPORARY SHORING PROVISION.

BEFORE BEGINNING TEMPORARY SHORING DESIGN OR CONSTRUCTION, SURVEY EXISTING GROUND ELEVATIONS IN THE VICINITY OF SHORING LOCATIONS TO DETERMINE ACTUAL SHORING HEIGHTS.

DESIGN TEMPORARY SHORING FROM STATION -Y1- 14+85 +/- 2.0 +/- FT RIGHT, TO STATION -Y1- 15+34 +/-, 2.0 +/- FT RIGHT, FOR THE FOLLOWING ASSUMED SOIL PARAMETERS AND GROUNDWATER ELEVATION:

UNIT WEIGHT ( $\gamma$ ) = 120 LB/CF  
 FRICTION ANGLE ( $\phi$ ) = 30 DEGREES  
 COHESION ( $c$ ) = 0 LB/SF  
 GROUNDWATER ELEVATION = 262.0 +/- FT

DRIVEN PILING FOR TEMPORARY SHORING FROM STATION -Y1- 14+85 +/-, 2.0 +/- FT RIGHT, TO STATION -Y1- 15+34 +/-, 2.0 +/- FT RIGHT MAY NOT PENETRATE BELOW ELEVATION 240 FT DUE TO OBSTRUCTIONS, VERY DENSE OR HARD SOIL, BOULDERS, OR WEATHERED OR HARD ROCK.

DO NOT USE A TEMPORARY WALL FOR TEMPORARY SHORING FROM STATION -Y1- 14+85 +/-, 2.0 +/- FT RIGHT, TO STATION -Y1- 15+34 +/-, 2.0 +/- FT RIGHT.

AT THE CONTRACTOR'S OPTION, USE STANDARD TEMPORARY SHORING FOR TEMPORARY SHORING FROM STATION -Y1- 14+85 +/-, 2.0 +/- FT RIGHT, TO STATION -Y1- 15+34 +/-, 2.0 +/- FT RIGHT CENTER. SEE STANDARD DETAIL NO. 1801.01 FOR STANDARD TEMPORARY SHORING.

SHORING LOCATION NO. 9

FOR TEMPORARY SHORING AND POSITIVE PROTECTION FOR TEMPORARY SHORING, SEE PLANS AND TEMPORARY SHORING PROVISION.

BEFORE BEGINNING TEMPORARY SHORING DESIGN OR CONSTRUCTION, SURVEY EXISTING GROUND ELEVATIONS IN THE VICINITY OF SHORING LOCATIONS TO DETERMINE ACTUAL SHORING HEIGHTS.

DESIGN TEMPORARY SHORING FROM STATION -L- 24+00 +/-, 10.0 +/- FT RIGHT, TO STATION -L- 25+25 +/-, 10.0 +/- FT RIGHT, FOR THE FOLLOWING ASSUMED SOIL PARAMETERS AND GROUNDWATER ELEVATION:

UNIT WEIGHT ( $\gamma$ ) = 120 LB/CF  
 FRICTION ANGLE ( $\phi$ ) = 30 DEGREES  
 COHESION ( $c$ ) = 0 LB/SF  
 GROUNDWATER ELEVATION = 268.0 +/- FT

DO NOT USE CANTILEVER, BRACED AND/OR ANCHORED SHORING FOR TEMPORARY SHORING FROM STATION -L- 24+00 +/-, 10.0 +/- FT RIGHT, TO STATION -L- 25+25 +/-, 10.0 +/- FT RIGHT.

AT THE CONTRACTOR'S OPTION, USE STANDARD TEMPORARY WALL FOR TEMPORARY SHORING FROM STATION -L- 24+00 +/-, 10.0 +/- FT RIGHT, TO STATION -L- 25+25 +/-, 10.0 +/- FT RIGHT. SEE STANDARD DRAWING NO. 1801.02 FOR STANDARD TEMPORARY WALLS.

SHORING LOCATION NO. 10

FOR TEMPORARY SHORING AND POSITIVE PROTECTION FOR TEMPORARY SHORING, SEE PLANS AND TEMPORARY SHORING PROVISION.

BEFORE BEGINNING TEMPORARY SHORING DESIGN OR CONSTRUCTION, SURVEY EXISTING GROUND ELEVATIONS IN THE VICINITY OF SHORING LOCATIONS TO DETERMINE ACTUAL SHORING HEIGHTS.

DESIGN TEMPORARY SHORING FROM STATION -FLYOVER- 18+55 +/-, 38.0 +/- FT LEFT, TO STATION -FLYOVER- 19+30 +/-, 38.0 +/- FT LEFT, FOR THE FOLLOWING ASSUMED SOIL PARAMETERS AND GROUNDWATER ELEVATION:

UNIT WEIGHT ( $\gamma$ ) = 120 LB/CF  
 FRICTION ANGLE ( $\phi$ ) = 30 DEGREES  
 COHESION ( $c$ ) = 0 LB/SF  
 GROUNDWATER ELEVATION = 245.0 +/- FT

DRIVEN PILING FOR TEMPORARY SHORING FR FROM STATION -FLYOVER- 18+55 +/-, 38.0 +/- FT LEFT, TO STATION -FLYOVER- 19+30 +/-, 38.0 +/- FT LEFT MAY NOT PENETRATE BELOW ELEVATION 245 FT DUE TO OBSTRUCTIONS, VERY DENSE OR HARD SOIL, BOULDERS OR WEATHERED OR HARD ROCK.

DO NOT USE A TEMPORARY WALL FOR TEMPORARY SHORING FROM STATION -FLYOVER- 18+55 +/-, 38.0 +/- FT LEFT, TO STATION -FLYOVER- 19+30 +/-, 38.0 +/- FT LEFT.

IT MAY BE PREFERRED TO USE A TEMPORARY SOIL NAIL WALL FOR TEMPORARY SHORING FROM STATION -FLYOVER- 18+55 +/-, 38.0 +/- FT LEFT, TO STATION -FLYOVER- 19+30 +/-, 38.0 +/- FT LEFT, FOR TEMPORARY SOIL NAIL WALLS, SEE TEMPORARY SOIL NAIL WALLS PROVISION.

SHORING LOCATION NO. 11

FOR TEMPORARY SHORING AND POSITIVE PROTECTION FOR TEMPORARY SHORING, SEE PLANS AND TEMPORARY SHORING PROVISION.

BEFORE BEGINNING TEMPORARY SHORING DESIGN OR CONSTRUCTION, SURVEY EXISTING GROUND ELEVATIONS IN THE VICINITY OF SHORING LOCATIONS TO DETERMINE ACTUAL SHORING HEIGHTS.

DESIGN TEMPORARY SHORING FROM STATION -FLYOVER- 21+45 +/-, 31.5 +/- FT LEFT, TO STATION -FLYOVER- 22+20 +/-, 28.0 +/- FT LEFT, FOR THE FOLLOWING ASSUMED SOIL PARAMETERS AND GROUNDWATER ELEVATION:

UNIT WEIGHT ( $\gamma$ ) = 120 LB/CF  
 FRICTION ANGLE ( $\phi$ ) = 30 DEGREES  
 COHESION ( $c$ ) = 0 LB/SF  
 GROUNDWATER ELEVATION = 241.0 +/- FT

DRIVEN PILING FOR TEMPORARY SHORING FROM STATION -FLYOVER- 21+45 +/-, 31.5 +/- FT LEFT, TO STATION -FLYOVER- 22+20 +/-, 28.0 +/- FT LEFT MAY NOT PENETRATE BELOW ELEVATION 221 FT DUE TO OBSTRUCTIONS, VERY DENSE OR HARD SOIL, BOULDERS OR WEATHERED OR HARD ROCK.

DO NOT USE A TEMPORARY WALL FOR TEMPORARY SHORING FROM STATION -FLYOVER- 21+45 +/-, 31.5 +/- FT LEFT, TO STATION -FLYOVER- 22+20 +/-, 28.0 +/- FT LEFT.

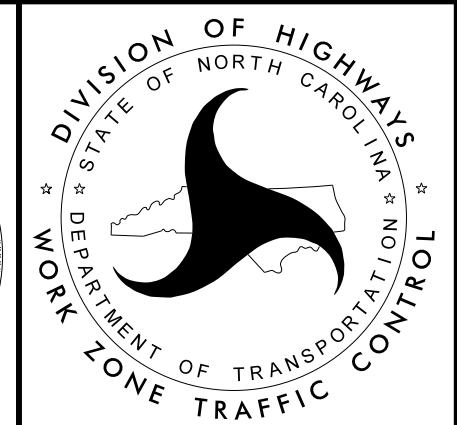
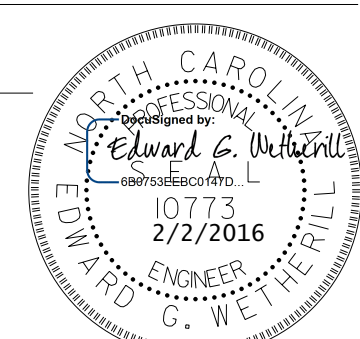
IT MAY BE PREFERRED TO USE A TEMPORARY SOIL NAIL WALL FOR TEMPORARY SHORING FROM STATION -FLYOVER- 21+45 +/-, 31.5 +/- FT LEFT, TO STATION -FLYOVER- 22+20 +/-, 28.0 +/- FT LEFT. FOR TEMPORARY SOIL NAIL WALL, SEE TEMPORARY SOIL NAIL WALLS PROVISION.

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 User:skennedy

THE TEMPORARY SHORING NOTES SHOWN ON THIS SHEET WERE PROVIDED THROUGH A SEALED DOCUMENT FROM THE NCDOT GEOTECHNICAL ENGINEERING UNIT. THE DOCUMENT WAS SUBMITTED TO NCDOT/WZTC ON DECEMBER 22, 2015 AND SEALED BY A PROFESSIONAL ENGINEER, THEIN T. ZAN, P.E., LICENSE NO. 030943.

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UNLESS ALL SIGNATURES COMPLETED**

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



TEMPORARY SHORING NOTES

SIGN NUMBER: name      BACKG COLOR: Fluorescent Orange  
 TYPE: STATIONARY      COPY COLOR: Black  
 QUANTITY: 1

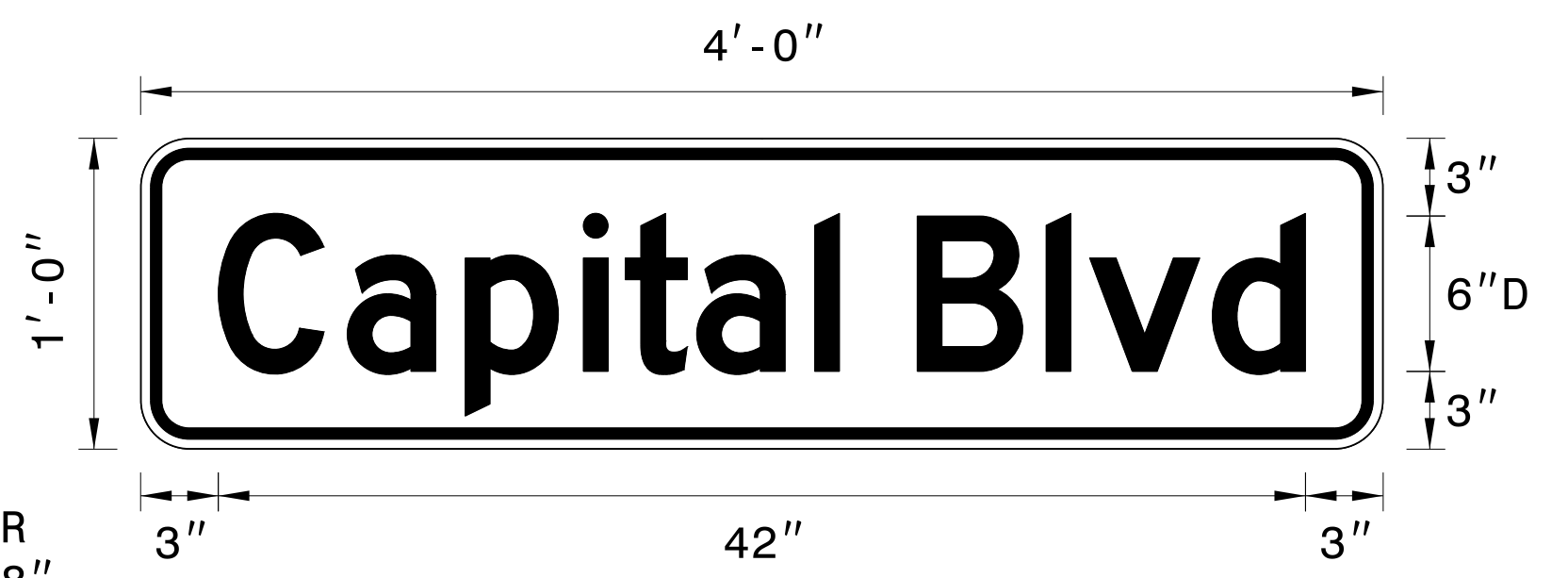
SYMBOL	X	Y	WID	HT

SIGN WIDTH: 4'-0"  
 HEIGHT: 1'-0"  
 TOTAL AREA: 4.0 Sq.Ft.

BORDER TYPE: INSET  
 RECESS: 0.38"  
 WIDTH: 0.38"  
 RADII: 1.88"

NO. Z BARS:      MAT'L: 0.080" (2.0 mm) ALUMINUM  
 LENGTH:

DESIGN BY: CLM      CHECKED BY: JWG      DATE: Jun 22, 2015  
 PROJECT ID: B-5121/B-5317      DIV: 5



BORDER  
 R=1.88"  
 TH=0.38"  
 IN=0.38"

- USE NOTES: 1,2
1. Legend and border shall be direct applied black non-reflective sheeting.
  2. Background shall be NC Grade B fluorescent orange retroreflective sheeting.

Spacing Factor is 1 unless specified otherwise

LETTER POSITIONS

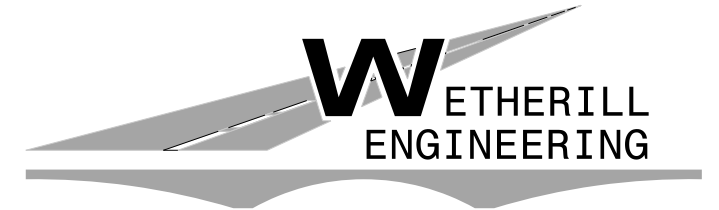

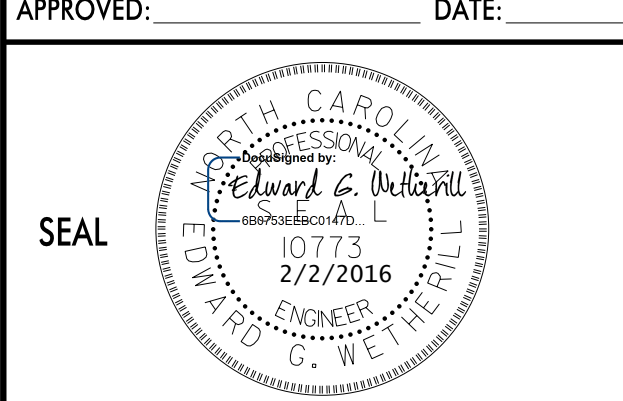
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FILENAME: Guidesign6

NORTH CAROLINA D.O.T. SIGN DETAIL

TEMPORARY DETOUR SIGNS TO BE PAID FOR AS "STATIONARY WORK ZONE SIGNS"

2/1/2016  
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 User:skennedy

 TRANSPORTATION PLANNING/DESIGN - BRIDGE/STRUCTURE DESIGN CIVIL/SITE DESIGN - GIS/GPS - CONSTRUCTION OBSERVATION	1223 Jones Franklin Rd. Raleigh, N.C. 27606 License No. F-0377 Bus: 919 851 8077 Fax: 919 851 8107	DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED			SPECIAL SIGN DESIGNS
		APPROVED: _____ DATE: _____			

<b>SIGN NUMBER:</b> name <b>TYPE:</b> STATIONARY <b>QUANTITY:</b> 1 <b>SIGN WIDTH:</b> 4'-6" <b>HEIGHT:</b> 1'-0" <b>TOTAL AREA:</b> 4.5 Sq.Ft. <b>BORDER TYPE:</b> INSET <b>RECESS:</b> 0.38" <b>WIDTH:</b> 0.38" <b>RADII:</b> 1.88" <b>N.O. Z BARS:</b> <b>LENGTH:</b>	<b>BACKG COLOR:</b> Fluorescent Orange <b>COPY COLOR:</b> Black <table border="1" style="width: 100%; height: 100px;"> <thead> <tr> <th>SYMBOL</th> <th>X</th> <th>Y</th> <th>WID</th> <th>HT</th> </tr> </thead> <tbody> <tr><td> </td><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td><td> </td></tr> </tbody> </table> <b>MAT'L:</b> 0.080" (2.0 mm) ALUMINUM	SYMBOL	X	Y	WID	HT																																																		
SYMBOL	X	Y	WID	HT																																																				
<b>USE NOTES:</b> 1,2 1. Legend and border shall be direct applied black non-reflective sheeting. 2. Background shall be NC Grade B fluorescent orange retroreflective sheeting.	<b>DESIGN BY:</b> CLM <b>CHECKED BY:</b> JWG <b>DATE:</b> Jun 27, 2015 <b>PROJECT ID:</b> B-5121/B-5317 <b>DIV:</b> 5																																																							

Spacing Factor is 1 unless specified otherwise

Letter positions																		Series/Size	
Letter spacings are to start of next letter																		Text Length	
	W		J	o	h	n	s	o	n		s	t						D 2000	
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FILENAME: Guidesign6 NORTH CAROLINA D.O.T. SIGN DETAIL

TEMPORARY DETOUR SIGNS TO BE PAID FOR AS "STATIONARY WORK ZONE SIGNS"

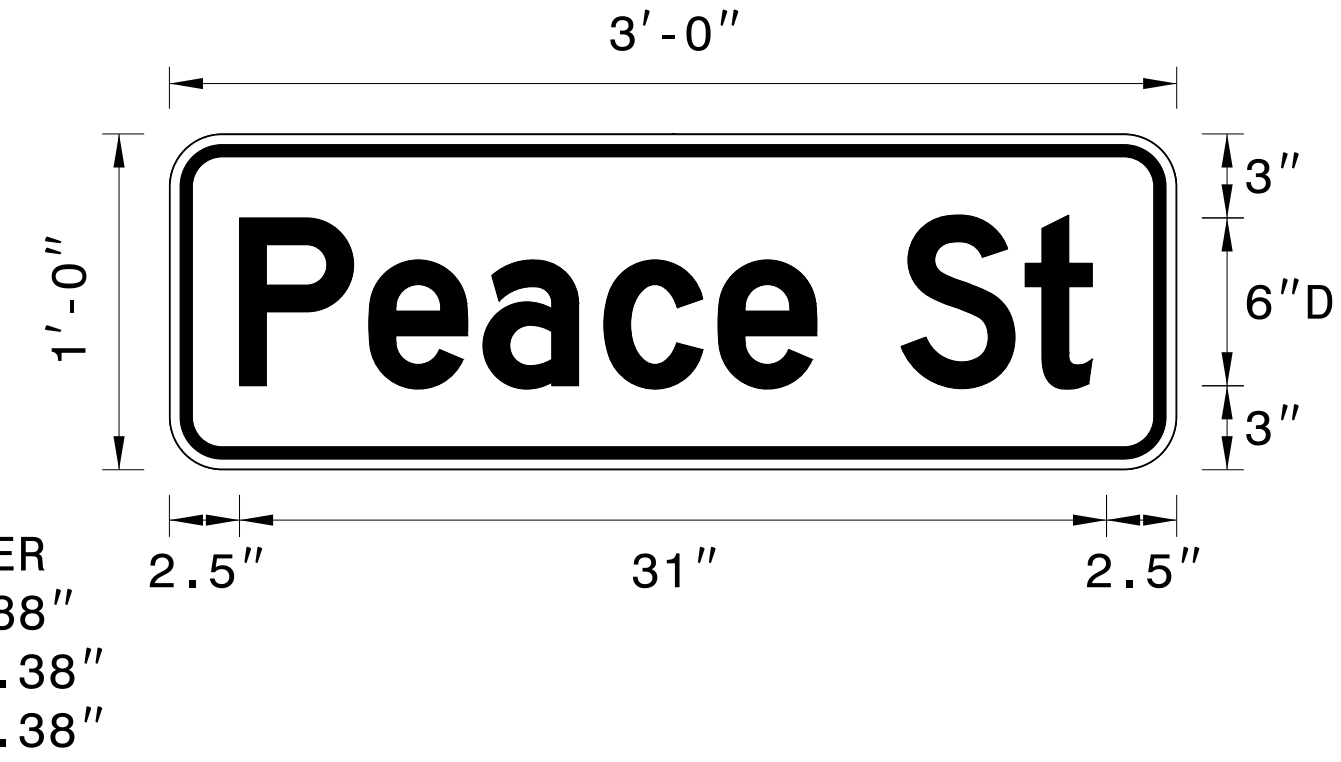
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SIGN NUMBER: name  
TYPE: STATIONARY BACKG COLOR: Fluorescent Orange  
COPY COLOR: Black  
QUANTITY: 1  
SIGN WIDTH: 3'-0"  
HEIGHT: 1'-0"  
TOTAL AREA: 3.0 Sq.Ft.  
BORDER TYPE: INSET  
RECESS: 0.38"  
WIDTH: 0.38"  
RADII: 1.88"  
NO. Z BARS:  
LENGTH:  
MAT'L: 0.080" (2.0 mm) ALUMINUM

SYMBOL	X	Y	WID	HT

DESIGN BY: CLM CHECKED BY: JWG DATE: Jun 27, 2015  
PROJECT ID: B-5121/B-5317 DIV: 5



Spacing Factor is 1 unless specified otherwise

LETTER POSITIONS

Letter spacings are to start of next letter

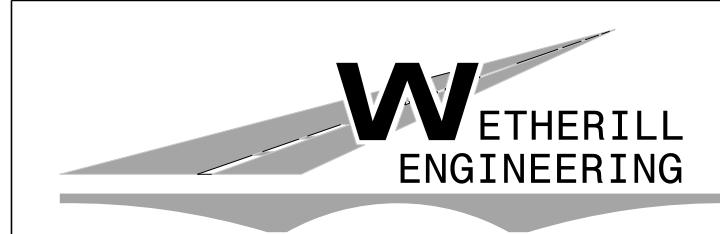
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FILENAME: Guidesign6

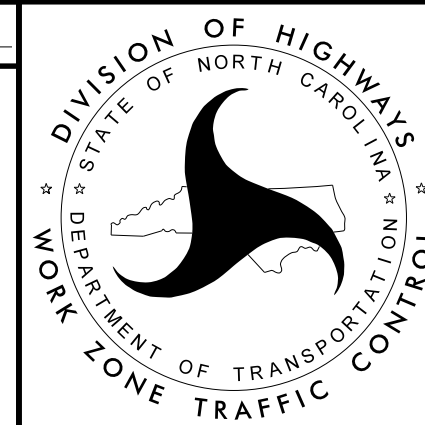
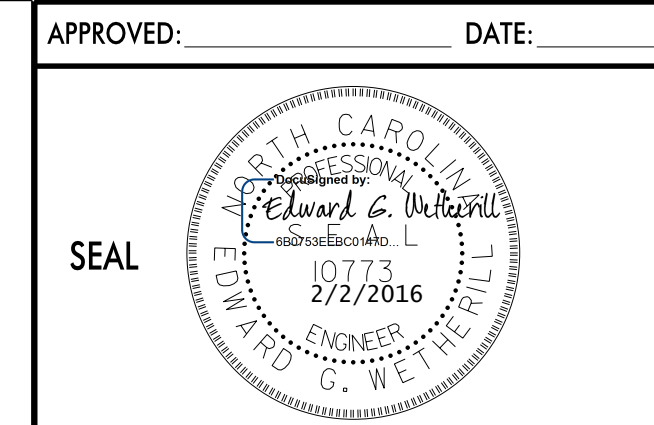
NORTH CAROLINA D.O.T. SIGN DETAIL

TEMPORARY DETOUR SIGNS TO BE PAID FOR AS "STATIONARY WORK ZONE SIGNS"

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SPECIAL SIGN DESIGNS

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**SIGN NUMBER:** name      **BACKG COLOR:** Fluorescent Orange  
**TYPE:** STATIONARY      **COPY COLOR:** Black

**DESIGN BY:** CLM      **CHECKED BY:** JWG      **DATE:** Jun 27, 2015  
**PROJECT ID:** B-5121/B-5317      **DIV:** 5

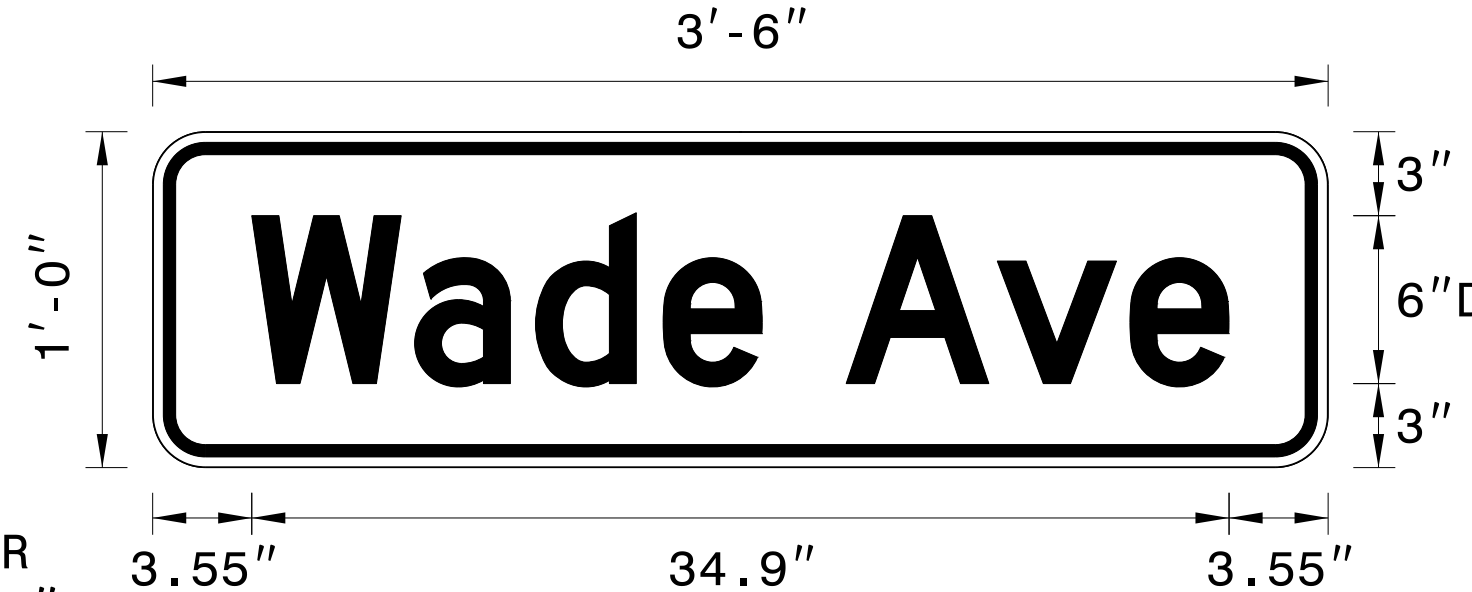
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**SIGN WIDTH:** 3'-6"  
**HEIGHT:** 1'-0"  
**TOTAL AREA:** 3.5 Sq.Ft.

SYMBOL	X	Y	WID	HT

**BORDER TYPE:** INSET  
**RECESS:** 0.38"  
**WIDTH:** 0.38"  
**RADII:** 1.88"

**NO. Z BARS:**  
**LENGTH:**

**MAT'L:** 0.080" (2.0 mm) ALUMINUM



**BORDER**  
R=1.88"  
TH=0.38"  
IN=0.38"

- USE NOTES:** 1,2
- Legend and border shall be direct applied black non-reflective sheeting.
  - Background shall be NC Grade B fluorescent orange retroreflective sheeting.

Spacing Factor is 1 unless specified otherwise

**LETTER POSITIONS**

Letter spacings are to start of next letter											Series/Size
	W	a	d	e		A	v	e			Text Length
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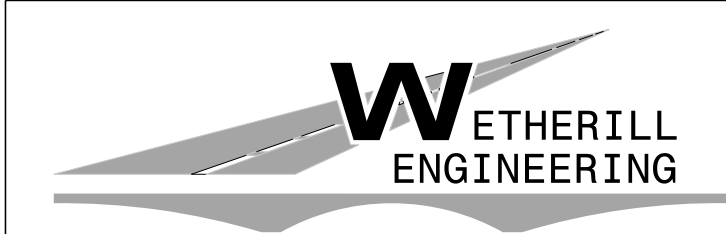
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**NORTH CAROLINA D.O.T. SIGN DETAIL**

TEMPORARY DETOUR SIGNS TO BE PAID FOR AS "STATIONARY WORK ZONE SIGNS"

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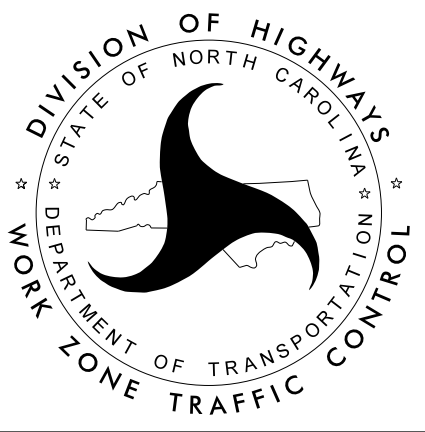


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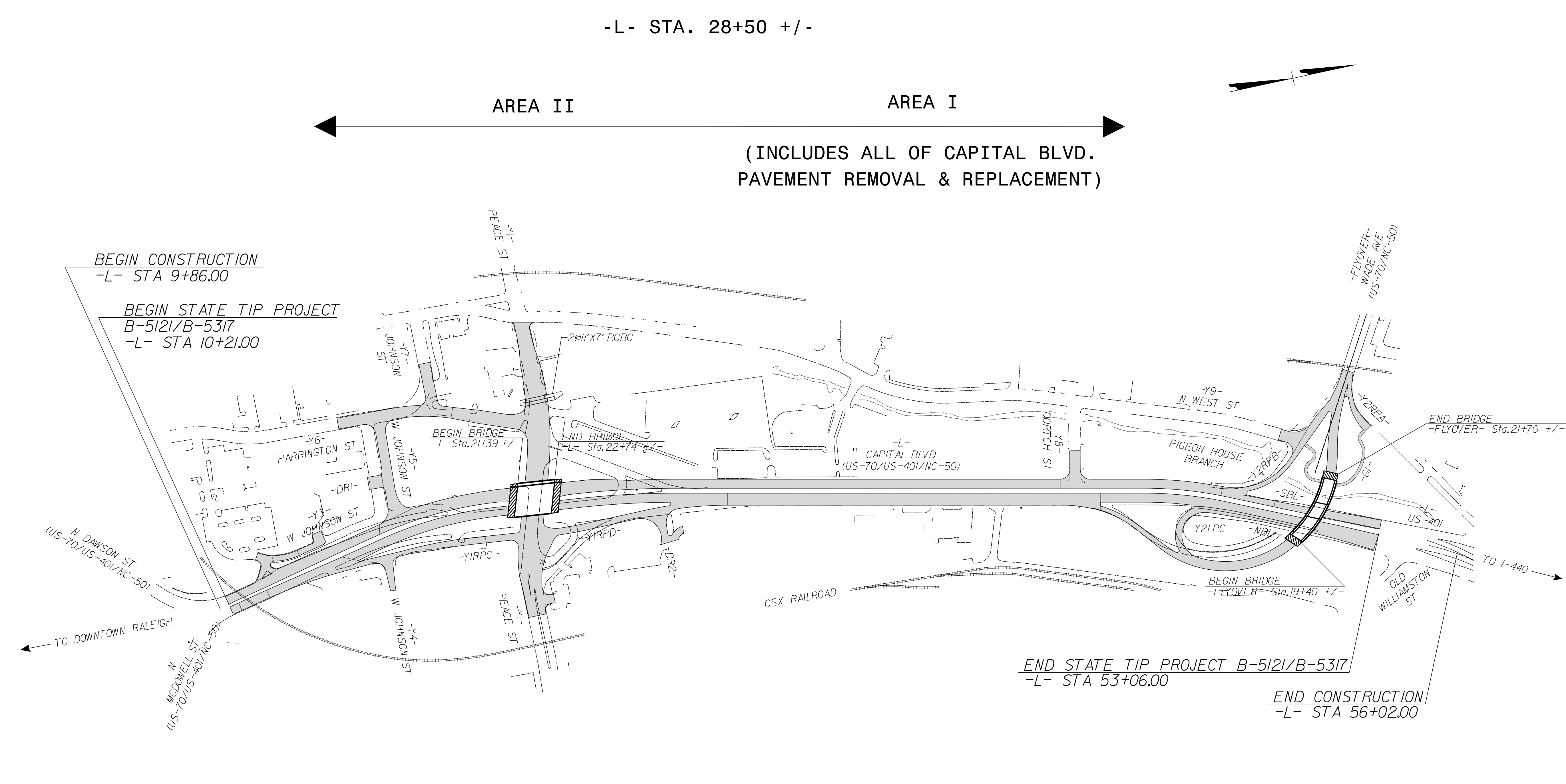
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CIVIL/SITE DESIGN - GIS/GPS - CONSTRUCTION OBSERVATION

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

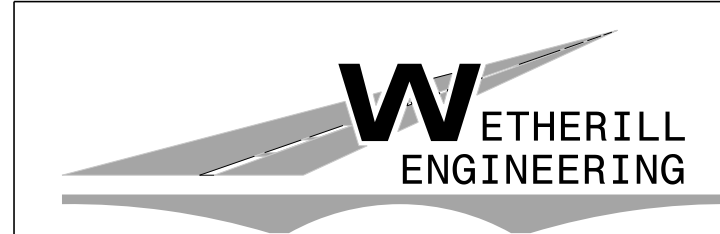
SEAL



SPECIAL SIGN DESIGNS



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User:skennedy



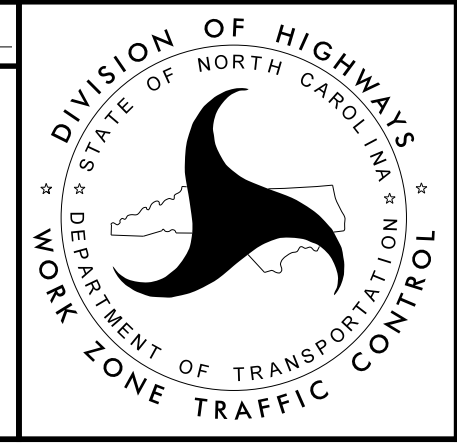
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TRANSPORTATION PLANNING/DESIGN - BRIDGE/STRUCTURE DESIGN  
CIVIL/SITE DESIGN - GIS/GPS - CONSTRUCTION OBSERVATION

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UNLESS ALL SIGNATURES COMPLETED**

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

SEAL



**PROJECT AREA  
OVERVIEW**

THIS PROJECT IS DIVIDED INTO TWO AREAS (SEE TMP-3) AS FOLLOWS:

AREA I: ALL OF CAPITAL BLVD. (-L-) PAVEMENT REMOVAL & REPLACEMENT AND CAPITAL BLVD. (-L-) FROM STA. 28+50 +/- -L- TO STA. 53+06 +/- -L-.

AREA II: CAPITAL BLVD. (-L-) FROM STA. 10+21 +/- -L- TO STA. 28+50 +/- -L-.

THE FOLLOWING NOTES APPLY TO BOTH AREAS:

NOTE: ANY SUBSURFACE WORK, INCLUDING, BUT NOT LIMITED TO UTILITIES, DRAINAGE, ETC., SHALL BE COMPLETED PRIOR TO REMOVAL OF EXISTING PAVEMENT ALONG CAPITAL BLVD. (-L-) AND ALL -Y- LINES.

NOTE: ALL CAPITAL BLVD. (-L-) PAVEMENT SHALL BE REMOVED & REPLACED IN AREA I, PHASE I, STEP 2 & STEP 3 AND SHALL BE COMPLETED DURING AREA II, PHASE III, STEP 3.

NOTE: PROPOSED WIDENING OF SOUTHBOUND CAPITAL (-L-) FROM STA. 28+50 +/- -L- TO STA. 41+50 +/- -L- SHALL BE CONSTRUCTED IN AREA I, PHASE I, STEP 4 AND SHALL BE COMPLETED DURING AREA II, PHASE III, STEP 3.

NOTE: THE CONTRACTOR MAY WORK IN BOTH AREAS AT THE SAME TIME, AS DEFINED BY THE SPECIAL PROVISION.

AREA I  
[CAPITAL BLVD. (-L-) PAVEMENT REMOVAL & REPLACEMENT AND STA. 28+50 +/- -L- TO STA. 53+06 +/- -L-]

NOTE: BEFORE BEGINNING CONSTRUCTION THE CONTRACTOR SHALL:

- PLACE ADVANCE WORK ZONE WARNING SIGNS ALONG EXISTING CAPITAL BLVD. (-L-), WADE AVE. (-FLYOVER-) AND ALL -Y- LINES (SEE ROADWAY STANDARD DRAWINGS NO. 1101.01, SHEET 2 & 3 OF 3). IN ADDITION MOUNT 35 MPH ADVISORY SPEED PLAQUES (BLACK ON ORANGE) BELOW THE "BEGIN ROAD WORK" SIGNS & THE "ROAD WORK AHEAD" SIGNS ON CAPITAL BLVD. (-L-) AND ALL -Y- LINES & RAMPS LEADING TO CAPITAL BLVD. (-L-).
- INSTALL THREE (3) CHANGEABLE MESSAGE SIGNS (CMS) ON CAPITAL BLVD. (-L-) AND WADE AVE. (-FLYOVER-) AS DIRECTED BY THE ENGINEER. THESE CHANGEABLE MESSAGE SIGNS ARE TO BE UTILIZED TO INFORM & ALERT THE TRAVELING PUBLIC TO TRAFFIC CONDITIONS AND MAY BE UTILIZED FOR TRAFFIC CONTROL OPERATIONS DURING CONSTRUCTION AS DIRECTED BY THE ENGINEER.

PHASE I

CONTRACTOR MAY WORK AREA I, PHASE I, STEPS 1, 2, 3 AND 4 SIMULTANEOUSLY.

STEP 1: - USING ROADWAY STANDARD DRAWING NO. 1101.02, SHEETS 1, 3, 8, 9 & 10 OF 15:

-- CONSTRUCT/INSTALL PROPOSED UTILITIES ALONG NORTHBOUND CAPITAL BLVD. (-L-):

- A. CONSTRUCT TEMPORARY 2' WIDE ASPHALT PAVEMENT BEHIND AND UP TO THE EDGE & ELEVATION OF EXISTING SIDEWALK, AND INSTALL WATER FILLED BARRIER FROM STA. 30+00 +/- -L- TO STA. 41+50 +/- -L- (SEE ROADWAY PLANS AND SHEETS TMP-5 & TMP-6).

B. WORKING BEHIND WATER FILLED BARRIER, CONSTRUCT/INSTALL PROPOSED UTILITIES AND CONSTRUCT PROPOSED SIDEWALK FROM STA. 30+00 +/- -L- TO STA. 41+50 +/- -L- (SEE ROADWAY PLANS, UTILITY PLANS AND SHEETS TMP-5 & TMP-6).

C. SHIFT PEDESTRIAN TRAFFIC TO NEWLY COMPLETED SIDEWALK (SEE SHEETS TMP-5 & TMP-6).

D. BEGIN CONSTRUCTION OF PROPOSED CURB & GUTTER FROM STA. 30+00 +/- -L- TO STA. 41+50 +/- -L- (SEE ROADWAY PLANS AND SHEETS TMP-5 & TMP-6).

CONTRACTOR SHALL WORK IN A CONTINUOUS MANNER TO COMPLETE THE WORK IN AREA I, PHASE I, STEP 2 FROM 9:00 PM FRIDAY TO 6:00 AM MONDAY. REPEAT WEEKEND ROAD/LANE CLOSURES AS DIRECTED BY THE ENGINEER TO COMPLETE AREA I, PHASE I, STEP 2 (SEE INTERMEDIATE CONTRACT TIME AND SPECIAL PROVISIONS).

STEP 2: - USING ROADWAY STANDARD DRAWINGS NO. 1101.02, SHEETS 3, 6, 8, 9 & 10 OF 15 REMOVE AND REPLACE EXISTING PAVEMENT ON NORTHBOUND CAPITAL BLVD. (-L-) FROM STA. 10+21 +/- -L- TO STA. 17+00 +/- -L- AND FROM STA. 28+00 +/- -L- TO STA. 53+06 +/- -L- (SEE ROADWAY PLANS AND SHEETS TMP-7 TO TMP-10).

NOTE: AS REQUIRED CLOSE EXISTING ON-RAMP FROM W. PEACE ST. (-Y1-) TO NORTHBOUND CAPITAL BLVD. (-L-), OFF-RAMP/FLYOVER TO WADE AVE. AND ON-LOOP FROM WADE AVE. TO NORTHBOUND CAPITAL BLVD. (-L-) (SEE SHEETS TMP-46E, TMP-17E AND TMP-17F).

STEP 3: REMOVAL AND REPLACE EXISTING PAVEMENT ON SOUTHBOUND CAPITAL BLVD. (-L-).

- A. - USING ROADWAY STANDARD DRAWING NO. 1101.03, SHEET 2 OF 9 AND SHEET TMP-43 CLOSE ON-RAMP FROM FAIRVIEW RD. TO SOUTHBOUND CAPITAL BLVD. (-L-).

NOTE: FAIRVIEW ON-RAMP WILL REMAIN CLOSED FOR THE DURATION OF CONSTRUCTION.

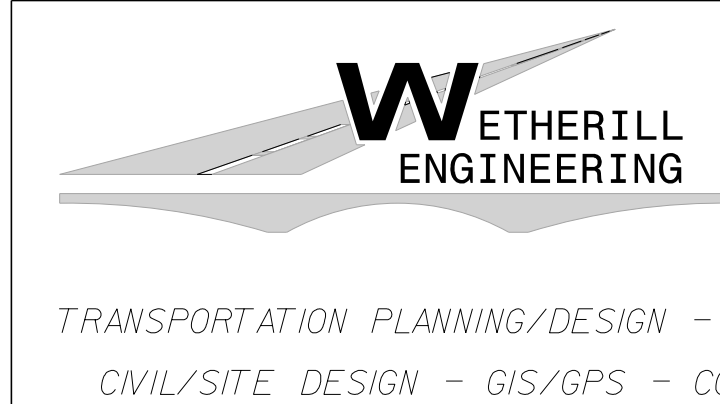
- USING ROADWAY STANDARD DRAWING NO. 1101.02, SHEETS 1, 3 & 8 OF 15:

-- CONSTRUCT TEMPORARY CROSSOVER/PAVEMENT BETWEEN EXISTING OFF-RAMP FROM SOUTHBOUND CAPITAL BLVD. (-L-) TO WADE AVE. AND EXISTING FLYOVER (SEE ROADWAY PLANS AND SHEET TMP-6).

NOTE: THIS TEMPORARY CROSSOVER SHALL BE UTILIZED FOR PAVEMENT REMOVAL ON SOUTHBOUND CAPITAL BLVD. (-L-), PROPOSED GIRDER INSTALLATION AND REMOVAL OF EXISTING BRIDGE OVER SOUTHBOUND CAPITAL BLVD. (-L-).

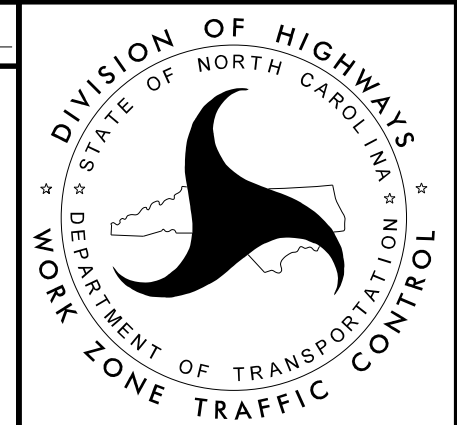
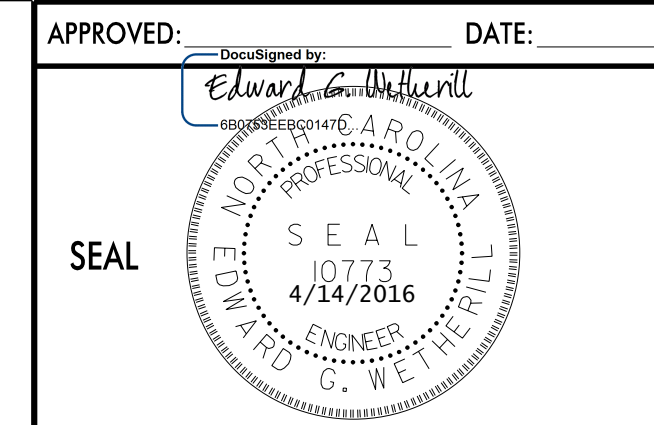
-- REMOVE & PAVE (AS REQUIRED) THE CONCRETE ISLAND BETWEEN OPPOSING LANES ON EXISTING FLYOVER IN THE VICINITY OF THE ABOVE CROSSOVER AND INSTALL DRUMS (SEE ROADWAY PLANS AND SHEET TMP-6).

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AREA I PHASING

CONTRACTOR SHALL WORK IN A CONTINUOUS MANNER TO COMPLETE THE WORK IN AREA I, PHASE I, STEP 3B FROM 9:00 PM FRIDAY TO 6:00 AM MONDAY. REPEAT WEEKEND ROAD/LANE CLOSURES AS DIRECTED BY THE ENGINEER TO COMPLETE AREA I, PHASE I, STEP 3B (SEE INTERMEDIATE CONTRACT TIME AND SPECIAL PROVISIONS).

- B. - USING ROADWAY STANDARD DRAWING NO. 1101.03, SHEET 7 OF 9 AND TMP SHEETS AS NOTED TO CLOSE SOUTHBOUND CAPITAL BLVD. (-L-) FOR REMOVAL & REPLACEMENT OF EXISTING PAVEMENT ON SOUTHBOUND CAPITAL BLVD. (-L-) AS FOLLOWS:
  - CLOSE SOUTHBOUND CAPITAL BLVD. (-L-) USING OFF-SITE DETOUR ON SHEET TMP-17A AND REPLACE EXISTING SOUTHBOUND CAPITAL BLVD. (-L-) PAVEMENT FROM STA. 47+50 +/- -L- TO STA. 53+06 +/- -L- (END OF PROJECT) (SEE ROADWAY PLANS).
  - CLOSE SOUTHBOUND CAPITAL BLVD. (-L-) USING OFF-SITE DETOUR ON SHEET TMP-17C AND REPLACE EXISTING SOUTHBOUND CAPITAL BLVD. (-L-) FROM STA. 26+00 +/- -L- TO STA. 41+50 +/- -L- (SEE ROADWAY PLANS).
  - CLOSE SOUTHBOUND CAPITAL BLVD. (-L-) USING OFF-SITE DETOUR ON SHEET TMP-17D AND REPLACE EXISTING SOUTHBOUND CAPITAL BLVD. (-L-) FROM STA. 10+21 +/- -L- (BEGINNING OF PROJECT) TO STA. 19+25 +/- -L- (SEE ROADWAY PLANS).
- USING ROADWAY STANDARD DRAWING NO. 1101.02, SHEET 3 OF 15, AND SHEETS TMP-9 & TMP-17B, REMOVE & REPLACE EXISTING PAVEMENT ON SOUTHBOUND CAPITAL BLVD. (-L-) FROM STA. 41+50 +/- -L- TO STA. 47+50 +/- -L- (SEE ROADWAY PLANS).

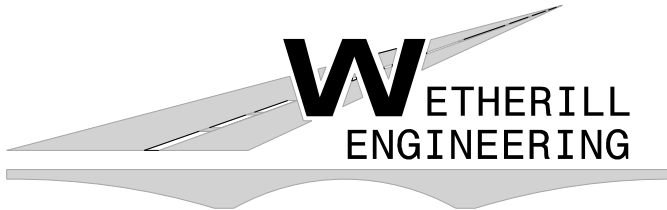
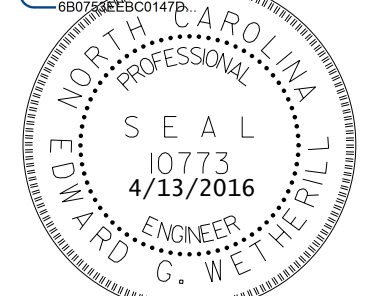

- STEP 4: - USING ROADWAY STANDARD DRAWING NO. 1101.02, SHEETS 1, 2, 3, 8, 9 & 10 OF 15:
  - BEGIN TRENCHLESS INSTALLATION OF PROPOSED DRAINAGE UNDER EXISTING CAPITAL BLVD. (-L-) AS DIRECTED BY THE ENGINEER (SEE ROADWAY PLANS).
  - BEGIN CONSTRUCTION OF PROPOSED WIDENING OF SOUTHBOUND CAPITAL BLVD. (-L-) FROM STA. 28+50 +/- -L- TO STA. 41+50 +/- -L- AND STA. 41+50 +/- -L- TO STA. 47+50 +/- -L- (SEE CONSTRUCTION PLANS AND SHEETS TMP-5 & TMP-6).
  - NOTE: PROPOSED SOUTHBOUND CAPITAL BLVD. (-L-) WIDENING FROM STA. 28+50 +/- -L- TO STA. 41+50 (NOT INCLUDING PROPOSED SIDEWALKS) SHALL BE COMPLETED PRIOR TO AREA II, PHASE III, STEP 4.
  - NOTE: CLOSE EXISTING SIDEWALKS AND PEDESTRIAN ACCESS ALONG SOUTHBOUND CAPITAL BLVD. (-L-) AND EXISTING ON-RAMP TO SOUTHBOUND CAPITAL BLVD. (-L-) (SEE SHEET TMP-6).
  - BEGIN CONSTRUCTION OF PROPOSED OFF-RAMP -Y2RPA-, PROPOSED ON-RAMP -Y2RPB-, PROPOSED DORTCH ST. (-Y8-) AND PROPOSED N. WEST ST. (-Y9-) UP TO, BUT NOT INCLUDING THE FINAL LAYER OF SURFACE COURSE (SEE ROADWAY PLANS AND SHEET TMP-6).
  - CLOSE EXISTING SIDEWALK ALONG EXITING ON-LOOP ACCELERATION LANE TO NORTHBOUND CAPITAL BLVD. (-L-), INSTALL WATER FILLED BARRIER AND BEGIN CONSTRUCTION OF PROPOSED -FLYOVER-, END BENTS & APPROACHES UP TO, BUT NOT INCLUDING THE FINAL LAYER OF SURFACE COURSE FROM STA. 15+20 +/- -FLYOVER- TO STA. 19+40 +/- -FLYOVER- (SEE ROADWAY PLANS, STRUCTURE PLANS AND SHEET TMP-6).
  - PAVE THE AREA BETWEEN EXISTING SIDEWALK AND EXISTING CURB & GUTTER ALONG THE OUTSIDE LANE OF SOUTHBOUND CAPITAL BLVD. (-L-) WITH ASPHALT, INSTALL WATER FILLED BARRIER AND BEGIN CONSTRUCTION OF PROPOSED GREENWAY (GI), PROPOSED FLYOVER, END BENTS & APPROACHES UP TO, BUT NOT INCLUDING THE FINAL LAYER OF SURFACE COURSE FROM STA. 20+70 +/- -FLYOVER- TO STA. 22+90 +/- -FLYOVER- AND UP TO THE EDGE AND ELEVATION OF EXISTING FROM STA. 22+90 +/- -FLYOVER- TO STA. 24+80 +/- -FLYOVER- (SEE ROADWAY PLANS, STRUCTURE PLANS AND SHEET TMP-6).

PHASE II

CONTRACTOR MAY WORK AREA I, PHASE II, STEPS 1 AND 2 SIMULTANEOUSLY.

- STEP 1: - USING ROADWAY STANDARD DRAWING NO. 1101.02, SHEETS 3, 8, 9 & 10 OF 15:
  - A. REDUCE ALL LANES OF NORTHBOUND CAPITAL BLVD. TO 10', REVISED EXISTING AUXILIARY TO AN ACCELERATION LANE AND SHIFT NORTHBOUND CAPITAL BLVD. (-L-) TRAFFIC TO THE TEMPORARY TRAFFIC PATTERN AS SHOWN ON SHEETS TMP-10A, TMP-10B, TMP-10C & TMP-11.
  - B. INSTALL PORTABLE CONCRETE BARRIER ALONG THE INSIDE LANE OF NORTHBOUND CAPITAL BLVD. (-L-) AS SHOWN ON SHEET TMP-11.
- STEP 2: - USING ROADWAY STANDARD DRAWING NO. 1101.02, SHEETS 3, 8 & 9 & 10 OF 15:
  - A. REDUCE ALL LANES OF SOUTHBOUND CAPITAL BLVD. TO 10' AND SHIFT SOUTHBOUND CAPITAL BLVD. (-L-) TO THE OUTSIDE AS SHOWN ON SHEET TMP-11.
  - B. INSTALL PORTABLE CONCRETE BARRIER ALONG THE INSIDE LANE OF SOUTHBOUND CAPITAL BLVD. (-L-) AS SHOWN ON SHEET TMP-11.
- STEP 3: - USING ROADWAY STANDARD DRAWING NO. 1101.02, SHEETS 1, 2, 3, 8, 9 & 10 OF 15:
  - CONSTRUCT PROPOSED WADE AVE. -FLYOVER- & APPROACHES UP TO, BUT NOT INCLUDING THE FINAL LAYER OF SURFACE COURSE FROM STA. 19+40 +/- -FLYOVER- TO STA. STA. 20+70 +/- -FLYOVER- (SEE ROADWAY PLANS, STRUCTURE PLANS AND SHEET TMP-11).
  - NOTE: FOR GIRDER INSTALLATION UTILIZE OFF-SITE DETOURS ON SHEET TMP-17A TO CLOSE SOUTHBOUND CAPITAL BLVD. (-L-), SHEET TMP-17F TO CLOSE EXISTING ON-LOOP FROM WADE AVE., SHEET TMP-17G TO CLOSE NORTHBOUND CAPITAL BLVD. (-L-) AND GENERAL NOTE "C" ON TMP-1B FOR TIME RESTRICTIONS.
  - COMPLETE CONSTRUCTION OF PROPOSED WADE AVE. -FLYOVER- FROM STA. 15+20 +/- -FLYOVER- TO STA. STA. 19+40 +/- -FLYOVER- & STA. 20+70 +/- -FLYOVER- TO STA. 22+90 +/- -FLYOVER- AND UP TO THE EDGE & ELEVATION OF EXISTING FROM STA. 22+90 +/- -FLYOVER- TO STA. 24+80 +/- -FLYOVER- BEGUN IN AREA I, PHASE I, STEP 4.
  - COMPLETE CONSTRUCTION OF PROPOSED CURB & GUTTER ALONG NORTHBOUND CAPITAL BLVD. (-L-) FROM STA. 30+00 +/- -L- TO STA. 41+50 +/- -L- BEGUN IN AREA I, PHASE I, STEP 1D.

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 <p>TRANSPORTATION PLANNING/DESIGN - BRIDGE/STRUCTURE DESIGN CIVIL/SITE DESIGN - GIS/GPS - CONSTRUCTION OBSERVATION</p>	1223 Jones Franklin Rd. Raleigh, N.C. 27606 License No. F-0377 Bus: 919 851 8077 Fax: 919 851 8107	DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED		APPROVED: _____ DATE: _____ Edward G. Wettrill 		AREA I PHASING
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CONTRACTOR SHALL WORK IN A CONTINUOUS MANNER TO COMPLETE THE WORK IN AREA I, PHASE III, STEPS 1 THRU 6C IN 180 CONSECUTIVE DAYS (SEE INTERMEDIATE CONTRACT TIME AND SPECIAL PROVISIONS).

CONTRACTOR SHALL WORK IN A CONTINUOUS MANNER TO COMPLETE THE WORK IN AREA I, PHASE III, STEPS 1 THRU 3 IN 60 CONSECUTIVE DAYS (SEE INTERMEDIATE CONTRACT TIME AND SPECIAL PROVISIONS).

PHASE III

STEP 1: USING ROADWAY STANDARD DRAWING NO. 1101.03, SHEETS 1 & 2 OF 9 AND SHEET TMP-17E, CLOSE EXISTING OFF-RAMP FROM NORTHBOUND CAPITAL BLVD. (-L-) TO WADE AVE., EXISTING FLYOVER, EXISTING ON-LOOP (-Y2LPC-) FROM WADE AVE. TO NORTHBOUND CAPITAL BLVD. (-L-) AND CLOSE SIDEWALKS AS SHOWN ON SHEET TMP-12.

STEP 2: - USING ROADWAY STANDARD DRAWING NO. 1101.02, SHEETS 3, 8, 9 & 10 OF 15:

-- CONSTRUCT PROPOSED OFF-RAMP/-FLYOVER- TIE-IN (INCLUDING PROPOSED DRAINAGE, PROPOSED CURB & GUTTER AND PROPOSED SIDEWALKS) UP TO, BUT NOT INCLUDING THE FINAL LAYER OF SURFACE COURSE FROM STA. 10+00 +/- -FLYOVER- (STA. 41+50 +/- -L-) TO STA. 15+20 +/- -FLYOVER- (SEE ROADWAY PLANS AND SHEET TMP-12).

-- CONSTRUCT PROPOSED -FLYOVER- TIE-IN (INCLUDING PROPOSED DRAINAGE, PROPOSED CURB & GUTTER AND PROPOSED SIDEWALKS) UP TO, BUT NOT INCLUDING THE FINAL LAYER OF SURFACE COURSE FROM STA. 22+90 +/- -FLYOVER- TO STA. 25+76 +/- -FLYOVER- (SEE ROADWAY PLANS AND SHEET TMP-12).

NOTE: MAINTAIN ACCESS TO TEMPORARY CROSSOVER UNTIL NO LONGER REQUIRED.

-- BEGIN CONSTRUCTION OF PROPOSED ON-LOOP (-Y2LPC-) (INCLUDING PROPOSED DRAINAGE, PROPOSED CURB & GUTTER AND PROPOSED SIDEWALKS) UP TO, BUT NOT INCLUDING THE FINAL LAYER OF SURFACE COURSE FROM STA. STA. 10+70 +/- -Y2LPC- TO STA. 15+20 +/- -FLYOVER- (SEE ROADWAY PLANS AND SHEET TMP-12).

-- BEGIN REMOVAL OF EXISTING WADE AVE./FLYOVER & BRIDGE [EXISTING SPANS OVER CAPITAL BLVD. (-L-), END BENT EAST SIDE AND EXISTING CENTER BENT] (SEE ROADWAY PLANS, STRUCTURE PLANS AND SHEET TMP-12).

NOTE: FOR EXISTING BRIDGE REMOVAL UTILIZE OFF-SITE DETOURS ON SHEET TMP-17A TO CLOSE SOUTHBOUND CAPITAL BLVD. (-L-), AND SHEET TMP-17G TO CLOSE NORTHBOUND CAPITAL BLVD. (-L-) AND GENERAL NOTE "C" ON TMP-1B FOR TIME RESTRICTIONS.

-- PLACE TEMPORARY PAVEMENT MARKINGS/MARKERS, REMOVE & RESET PORTABLE CONCRETE BARRIER ON SOUTHBOUND CAPITAL BLVD. (-L-) AND SHIFT TRAFFIC AS SHOWN ON SHEET TMP-12. IN ADDITION INSTALL ADDITIONAL PORTABLE CONCRETE BARRIER ON NORTHBOUND CAPITAL BLVD. (-L-) AS SHOWN ON SHEET TMP-12, AND BEGIN CONSTRUCTION OF PROPOSED MEDIAN OF CAPITAL BLVD. (-L-) FROM STA. 48+60 +/- -L- TO STA. 53+06 +/- -L- (SEE ROADWAY PLANS).

-- MAY BEGIN REMOVAL OF REMAINDER OF EXISTING WADE AVE./FLYOVER BRIDGE AND MAY BEGIN CONSTRUCTION OF THE REMAINDER OF PROPOSED GREENWAY (GI) (SEE ROADWAY PLANS, STRUCTURE PLANS AND SHEET TMP-12).

STEP 3: - USING ROADWAY STANDARD DRAWING NO. 1101.02, SHEETS 3, 8, 9 & 10 OF 15:

-- PLACE TEMPORARY PAVEMENT MARKINGS/MARKERS FOR THE FINAL TRAFFIC PATTERN ON NEWLY COMPLETED OFF-RAMP/-FLYOVER- TO WADE AVE. AND OPEN TO TRAFFIC (SEE FINAL PAVEMENT MARKING PLANS AND SHEET TMP-14).

NOTE: OFF-SITE DETOUR TO CLOSE EXISTING ON-LOOP (-Y2LPC-) SHALL REMAIN IN PLACE.

STEP 4: - USING ROADWAY STANDARD DRAWING NO. 1101.02, SHEETS 3, 8, 9 & 10 OF 15:

-- COMPLETE REMOVAL OF EXISTING WADE AVE./FLYOVER & BRIDGE [EXISTING SPANS OVER CAPITAL BLVD. (-L-) AND EXISTING CENTER BENT] BEGUN IN AREA I, PHASE III, STEP 2.

-- COMPLETE CONSTRUCTION OF PROPOSED MEDIAN OF CAPITAL BLVD. (-L-) FROM STA. 48+60 +/- -L- TO STA. 53+06 +/- -L- BEGUN IN AREA I, PHASE III, STEP 2.

CONTRACTOR MAY WORK AREA I, PHASE III, STEP 5A THROUGH STEP 6C AND STEP 7 SIMULTANEOUSLY, AS DIRECTED BY THE ENGINEER.

CONTRACTOR SHALL WORK IN A CONTINUOUS MANNER TO COMPLETE THE WORK OF AREA I, PHASE III, STEP 5A.

STEP 5. - USING ROADWAY STANDARD DRAWING NO. 1101.02, SHEETS 3, 8 & 10 OF 15:

A. REMOVE PORTABLE CONCRETE BARRIER ON NORTHBOUND CAPITAL BLVD. (-L-) AND PLACE TEMPORARY PAVEMENT MARKINGS/MARKERS FOR THE TEMPORARY TRAFFIC PATTERN ON NORTHBOUND CAPITAL BLVD. (-L-) AS SHOWN ON SHEETS TMP-13 & TMP-14 AND SHIFT TRAFFIC.

B. PLACE PORTABLE CONCRETE BARRIER ALONG THE OUTSIDE LANE OF NORTHBOUND CAPITAL BLVD. (-L-) AS SHOWN ON SHEET TMP-14.

STEP 6. - USING ROADWAY STANDARD DRAWING NO. 1101.02, SHEETS 3, 8 & 10 OF 15:

A. REMOVE/COMPLETE REMOVAL EXISTING INTERIOR BENT, EXISTING CONCRETE WALL, EXISTING MONOLITHIC CONCRETE ISLAND WITH CONCRETE WALL AND EXISTING END BENT EAST SIDE (SEE ROADWAY PLANS AND STRUCTURE PLANS).

B. COMPLETE CONSTRUCTION OF PROPOSED ON-LOOP (-Y2LPC-) FROM STA. 10+70 +/- -Y2LPC- TO STA. 15+20 +/- -FLYOVER- BEGUN IN AREA I, PHASE III, STEP 2.

CONSTRUCT PROPOSED ON-LOOP (-Y2LPC-) & ACCELERATION LANE UP TO, BUT NOT INCLUDING THE FINAL LAYER OF SURFACE COURSE FROM STA. STA. 10+70 +/- -Y2LPC- TO STA. 53+06 +/- -L- (SEE ROADWAY PLANS AND SHEET TMP-14).

C. REMOVE PORTABLE CONCRETE BARRIER, PLACE TEMPORARY PAVEMENT MARKINGS/MARKERS FOR THE FINAL TRAFFIC PATTERN ON NEWLY COMPLETED ON-LOOP (-Y2LPC-) & ACCELERATION LANE AND OPEN TO TRAFFIC (SEE FINAL PAVEMENT MARKING PLANS AND SHEET TMP-16).

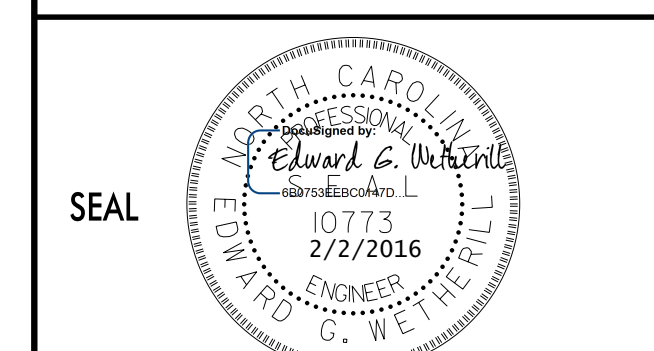
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AREA I PHASING

- STEP 7. - USING ROADWAY STANDARD DRAWING NO. 1101.02, SHEETS 3, 8, 9 & 10 OF 15:
- A. REMOVE PORTABLE CONCRETE BARRIER ON SOUTHBOUND CAPITAL BLVD. (-L-) AND PLACE TEMPORARY PAVEMENT MARKINGS/MARKERS FOR THE TEMPORARY TRAFFIC PATTERN ON SOUTHBOUND CAPITAL BLVD. (-L-) AS SHOWN ON SHEETS TMP-13 & TMP-14 AND SHIFT TRAFFIC.
  - B. CONSTRUCT THE REMAINDER OF THE PROPOSED OUTSIDE CURB & GUTTER ON SOUTHBOUND CAPITAL BLVD. (-L-) FROM STA. 48+05 +/- -L- TO STA. 53+06 +/- -L- (SEE ROADWAY PLANS AND SHEET TMP-14).
- COMPLETE CONSTRUCTION OF THE FOLLOWING:
- PROPOSED SOUTHBOUND CAPITAL BLVD. (-L-) WIDENING FROM STA. 41+50 +/- -L- TO STA. 48+50 +/- -L- BEGUN IN AREA I, PHASE I, STEP 4.
  - TRENCHLESS INSTALLATION OF PROPOSED DRAINAGE UNDER EXISTING CAPITAL BLVD. (-L-) BEGUN IN AREA I, PHASE I, STEP 4.
  - CONSTRUCTION OF PROPOSED GREENWAY (GI), PROPOSED OFF-RAMP -Y2RPA-, PROPOSED ON-RAMP -Y2RPB-, PROPOSED DORTCH ST. (-Y8-), AND PROPOSED N. WEST ST. (-Y9-) BEGUN IN AREA I, PHASE I, STEP 4.
  - COMPLETE CONSTRUCTION OF PROPOSED SIDEWALKS ALONG SOUTHBOUND CAPITAL BLVD. (-L-) FROM STA. 28+50 +/- -L- TO STA. 41+50 +/- -L- BEGUN IN AREA I, PHASE I, STEP 4.

CONTRACTOR SHALL WORK IN A CONTINUOUS MANNER TO COMPLETE THE WORK OF AREA I, PHASE IV.

PHASE IV

- STEP 1. - USING ROADWAY STANDARD DRAWING NO. 1101.02, SHEETS 1, 2, 3, 8, 9 & 10 OF 15:
- PLACE TEMPORARY PAVEMENT MARKINGS/MARKERS FOR THE FINAL TRAFFIC PATTERN ON NEWLY COMPLETED PROPOSED OFF-RAMP -Y2RPA-, PROPOSED ON-RAMP -Y2RPB-, PROPOSED DORTCH ST. (-Y8-) & PROPOSED N. WEST ST. (-Y9-) AND OPEN TO TRAFFIC (SEE FINAL PAVEMENT MARKING PLANS AND SHEET TMP-16).
  - PLACE TEMPORARY PAVEMENT MARKINGS/MARKERS FOR THE FINAL TRAFFIC PATTERN WITH 9.5' LANES ON NEWLY COMPLETED PROPOSED SOUTHBOUND CAPITAL BLVD. (-L-) FROM STA. 28+50 +/- -L- TO STA. 48+60 +/- -L- AND OPEN TO TRAFFIC (SEE FINAL PAVEMENT MARKING PLANS AND SHEETS TMP-15 & TMP-16).
- STEP 2. - USING ROADWAY STANDARD DRAWING NO. 1101.02, SHEETS 3, 6 & 8 OF 15.
- INSTALL WATER FILLED BARRIER ALONG BOTH NORTHBOUND AND SOUTHBOUND CAPITAL BLVD. (-L-) FROM STA. 28+50 +/- TO STA. 48+60 +/- -L- AS SHOWN ON SHEETS TMP-15 & TMP-16.

CONTRACTOR MAY WORK AREA I, PHASE IV, STEPS 3 AND 4 SIMULTANEOUSLY.

CONTRACTOR SHALL WORK IN A CONTINUOUS MANNER TO COMPLETE THE WORK IN AREA I, PHASE IV, STEP 3 FROM 9:00 PM FRIDAY TO 6:00 AM MONDAY. REPEAT WEEKEND LANE CLOSURES AS DIRECTED BY THE ENGINEER TO COMPLETED AREA I, PHASE IV, STEP 3 (SEE INTERMEDIATE CONTRACT TIME AND SPECIAL PROVISIONS).

- STEP 3. - AS DIRECTED/APPROVED BY THE ENGINEER AND AS REQUIRED, USING ROADWAY STANDARD DRAWING NO. 1101.02, SHEET 3 OF 15, MOVE & RESET THE WATER FILLED BARRIER TO CLOSE THE INSIDE LANE OF EITHER OR BOTH DIRECTIONS OF CAPITAL BLVD. (-L-) AND CONSTRUCT PROPOSED MEDIAN CURB & GUTTER (SEE ROADWAY PLANS AND SHEETS TMP-15 & TMP-16).

NOTE: ONCE PROPOSED CURB & GUTTER HAS BEEN COMPLETED FOR SOUTHBOUND CAPITAL BLVD. (-L-), RESET WATER FILLED BARRIER & PLACE TEMPORARY PAVEMENT MARKINGS/MARKERS FOR THE FINAL TRAFFIC PATTERN WITH 10' LANES ON SOUTHBOUND CAPITAL BLVD. (-L-) FROM STA. 28+50 +/- -L- TO STA. 48+60 +/- -L- AND SHIFT TRAFFIC (SEE FINAL PAVEMENT MARKING PLANS AND SHEET TMP-15).

- STEP 4. - USING ROADWAY STANDARD DRAWING NO. 1101.02, SHEETS 3, 6 & 8 OF 15, AND ROADWAY STANDARD DRAWING NO. 1101.03, SHEET 9 OF 9, CONSTRUCT PROPOSED MEDIAN FOR CAPITAL BLVD. (-L-), OVERHEAD SIGN STRUCTURE (INCLUDING OVERHEAD SIGN INSTALLATION & REMOVAL OF EXISTING) FROM STA. 28+50 +/- -L- TO STA. 48+60 +/- -L- (SEE ROADWAY PLANS, SIGNING PLANS AND SHEETS TMP-15 & TMP-16).

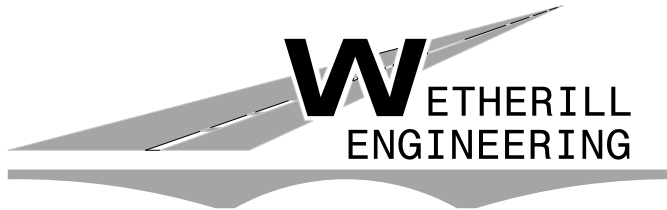
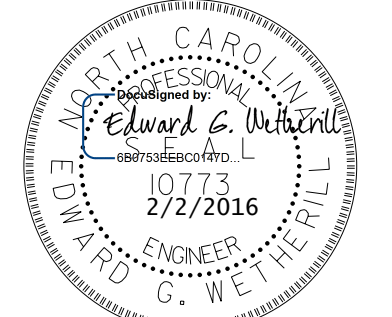
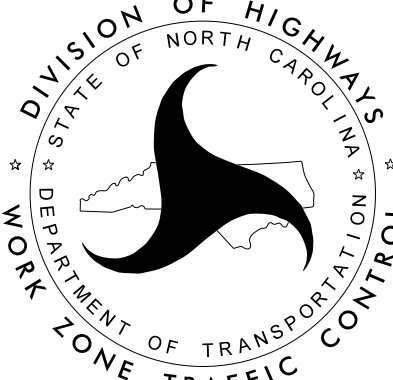
NOTE: REMOVE WATER FILLED BARRIER WHEN CONSTRUCTION IS COMPLETED. PLACE TEMPORARY PAVEMENT MARKINGS/MARKERS FOR THE FINAL TRAFFIC PATTERN WITH 10' LANES ON NORTHBOUND CAPITAL BLVD. (-L-) FROM STA. 28+50 +/- -L- TO STA. 53+06 +/- -L- AND OPEN TO TRAFFIC (SEE FINAL PAVEMENT MARKING PLANS).

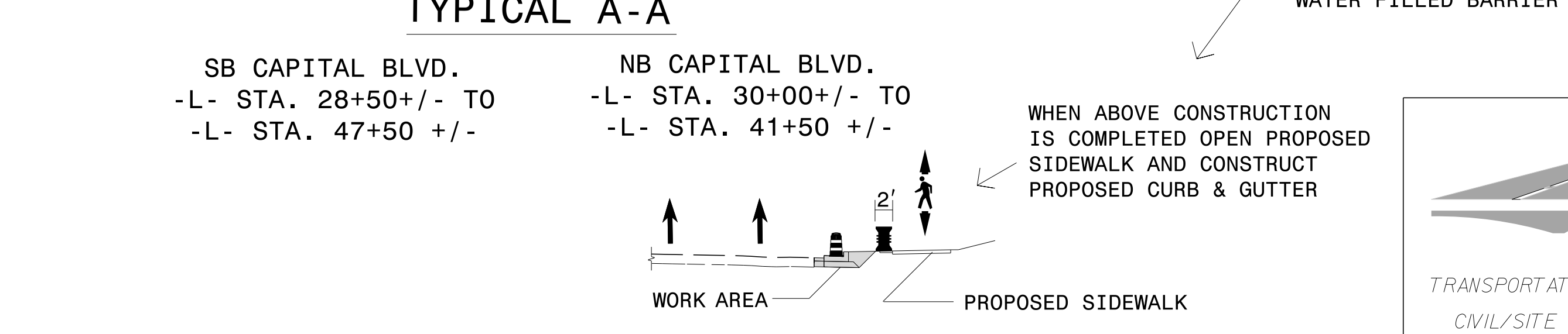
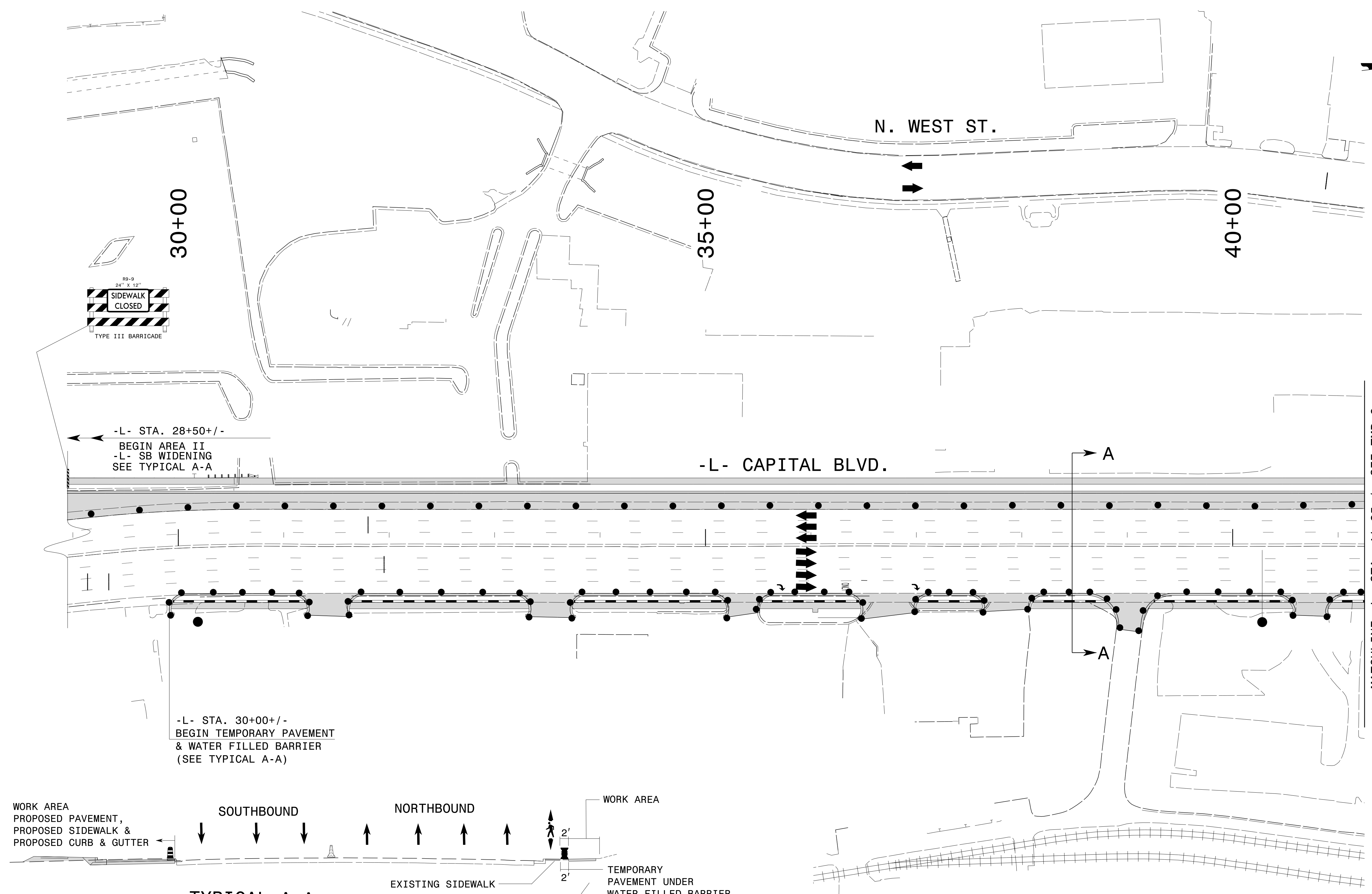
WHEN CONSTRUCTION HAS BEEN COMPLETED FOR AREA II CONTRACTOR SHALL PROCEED WITH AREA I, PHASE V.

PHASE V

- STEP 1: - USING ROADWAY STANDARD DRAWING NOS. 1101.02, SHEETS 1, 2, 3, 6, 7, 8, 9 & 10 OF 15:
- PAVE THE FINAL LAYER OF SURFACE COURSE, PLACE THE FINAL PAVEMENT MARKINGS AND INSTALL THE FINAL PAVEMENT MARKERS ON THE ENTIRE PROJECT (SEE ROADWAY PLANS AND FINAL PAVEMENT MARKING PLANS).
  - OPEN ENTIRE PROJECT TO FINAL TRAFFIC PATTERN.
- STEP 2: - REMOVE ALL TRAFFIC CONTROL DEVICES FROM THE PROJECT.

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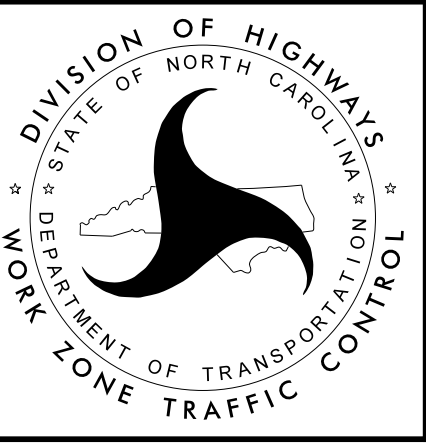
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SEAL



**AREA I - PHASE I  
TEMPORARY TRAFFIC  
CONTROL DETAIL**

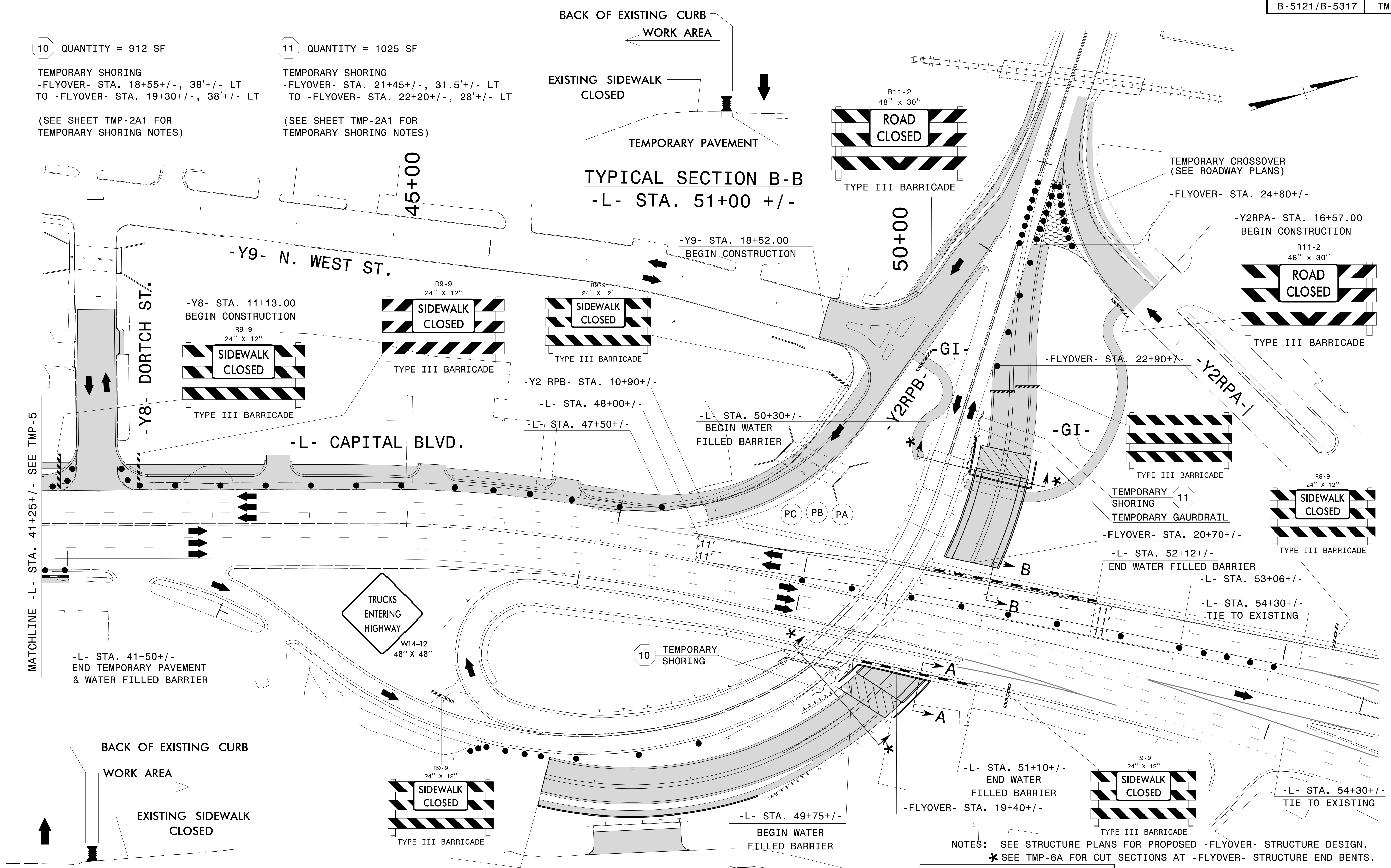
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TRANSPORTATION PLANNING/DESIGN - BRIDGE/STRUCTURE DESIGN  
CIVIL/SITE DESIGN - GIS/GPS - CONSTRUCTION OBSERVATION

2/1/2016  
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 User:skennedy

10 QUANTITY = 912 SF  
 TEMPORARY SHORING  
 -FLYOVER- STA. 18+55+/-, 38'+/- LT  
 TO -FLYOVER- STA. 19+30+/-, 38'+/- LT  
 (SEE SHEET TMP-2A1 FOR  
 TEMPORARY SHORING NOTES)

11 QUANTITY = 1025 SF  
 TEMPORARY SHORING  
 -FLYOVER- STA. 21+45+/-, 31.5'+/- LT  
 TO -FLYOVER- STA. 22+20+/-, 28'+/- LT  
 (SEE SHEET TMP-2A1 FOR  
 TEMPORARY SHORING NOTES)



TYPICAL SECTION A-A  
 -L- STA. 50+50 +/-

TYPICAL SECTION B-B  
 -L- STA. 51+00 +/-

NOTES: SEE STRUCTURE PLANS FOR PROPOSED -FLYOVER- STRUCTURE DESIGN.  
 \* SEE TMP-6A FOR CUT SECTIONS AT -FLYOVER- STRUCTURE END BENTS.

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**WETHERILL ENGINEERING**  
 TRANSPORTATION PLANNING/DESIGN - BRIDGE/STRUCTURE DESIGN  
 CIVIL/SITE DESIGN - GIS/GPS - CONSTRUCTION OBSERVATION

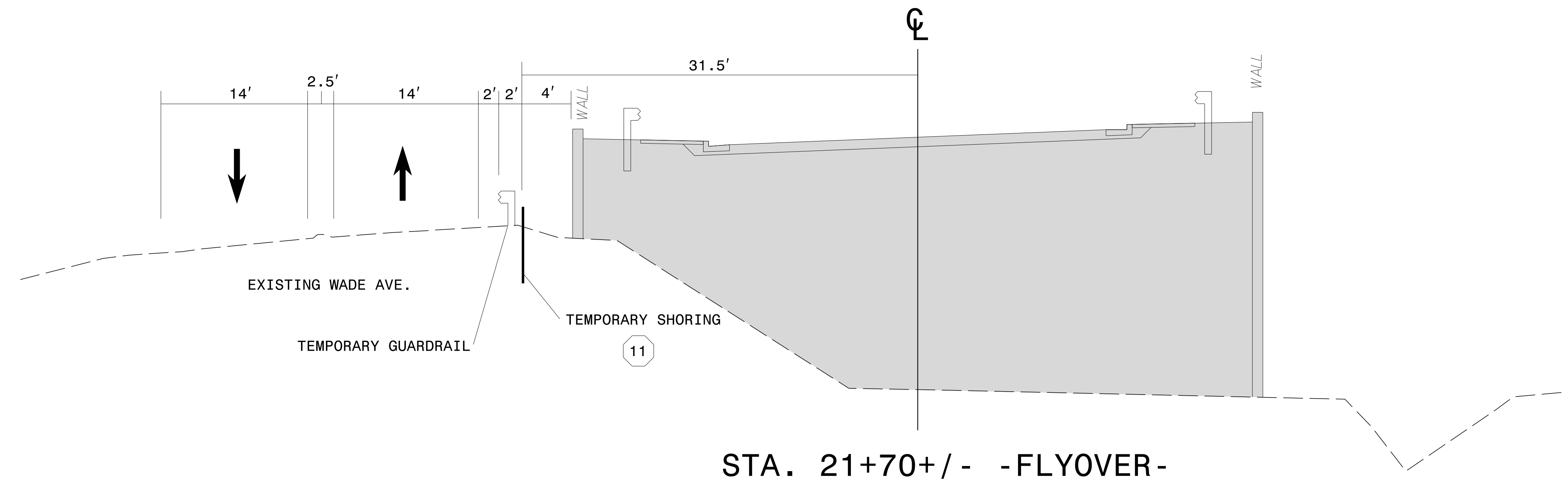
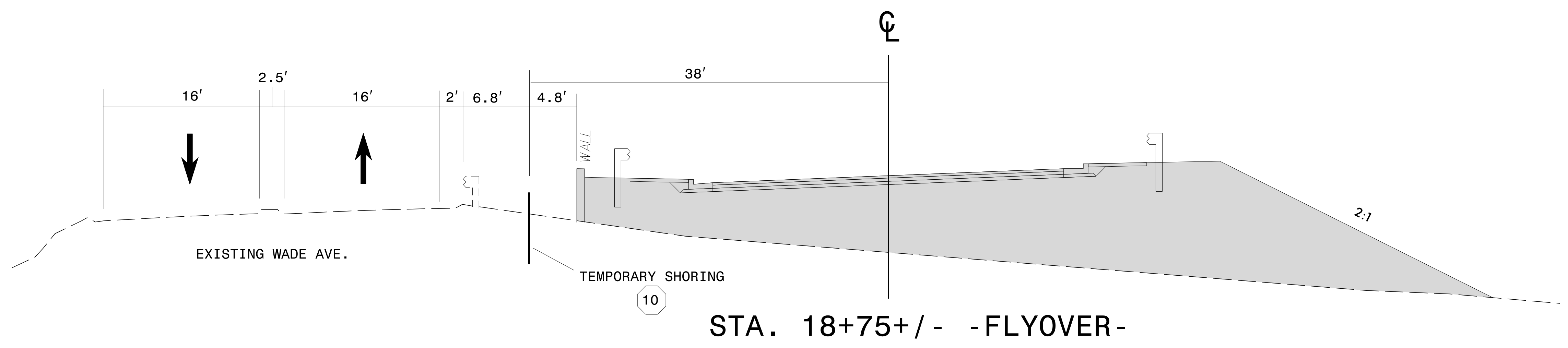
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AREA I - PHASE I  
 TEMPORARY TRAFFIC  
 CONTROL DETAIL

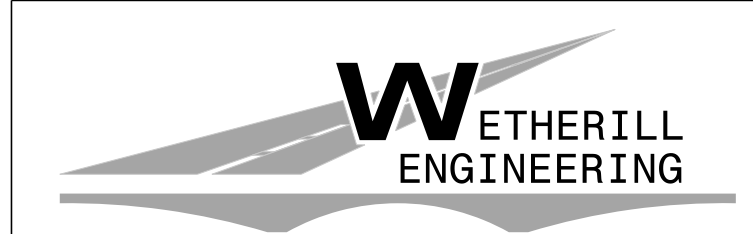
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 User:skennedy



NOTE: SEE TMP-6 FOR TEMPORARY SHORING LOCATIONS AND LIMITS.

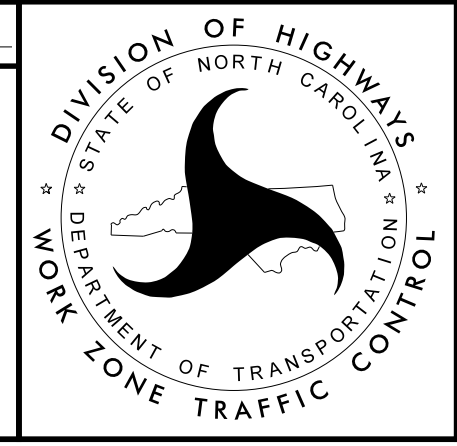
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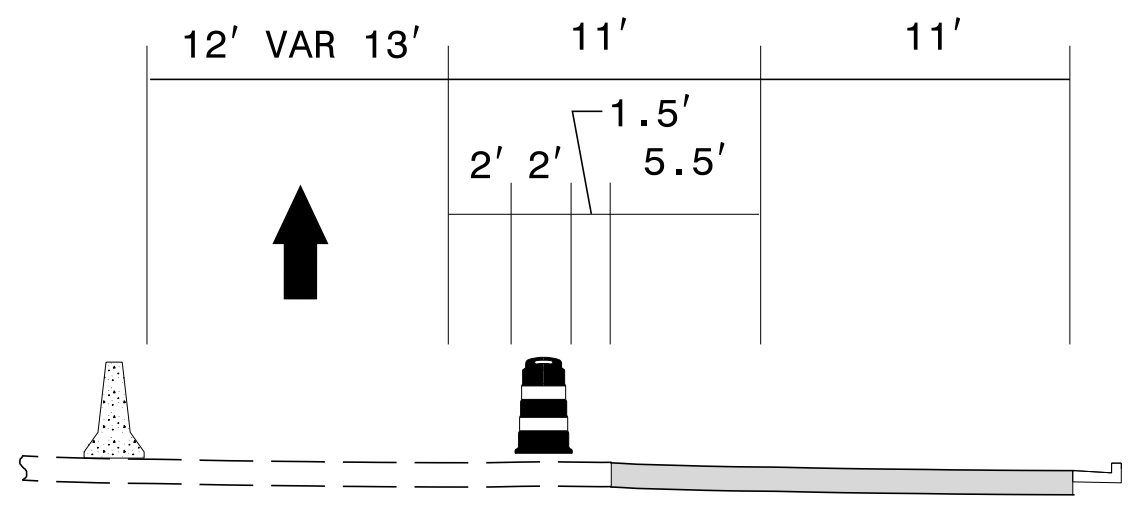


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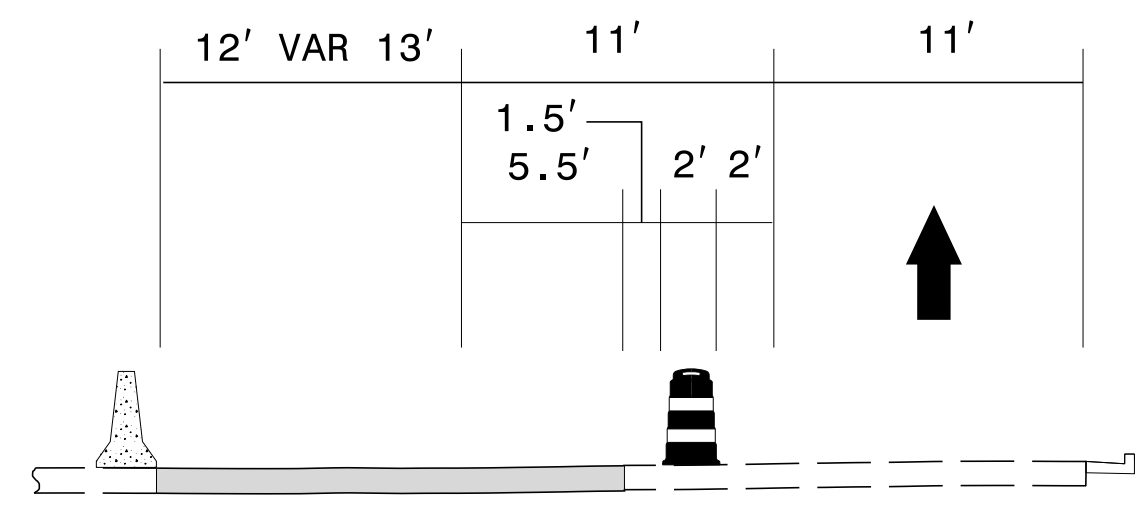
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SEAL	



AREA I - PHASE I  
TEMPORARY TRAFFIC  
CONTROL DETAIL

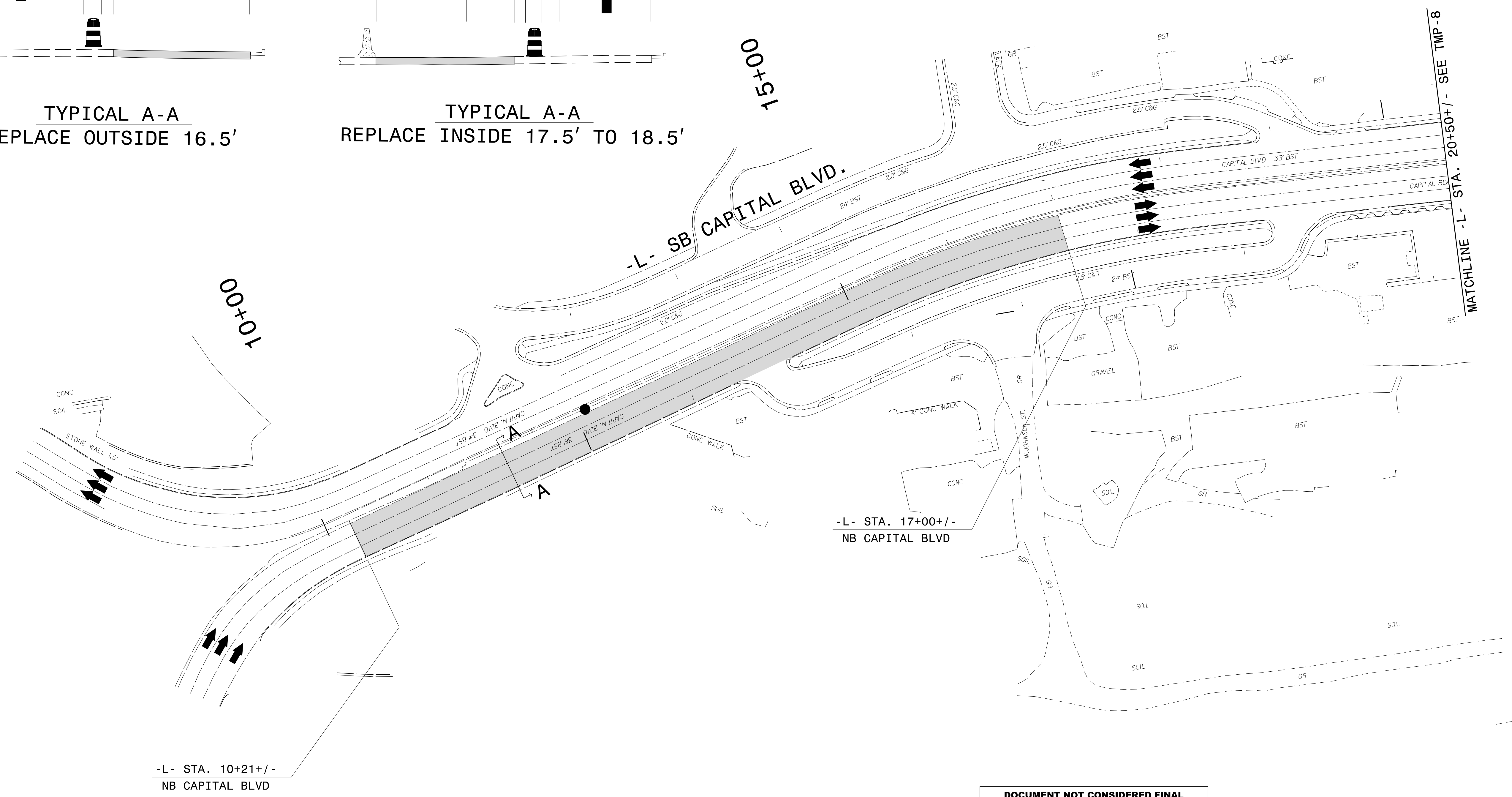
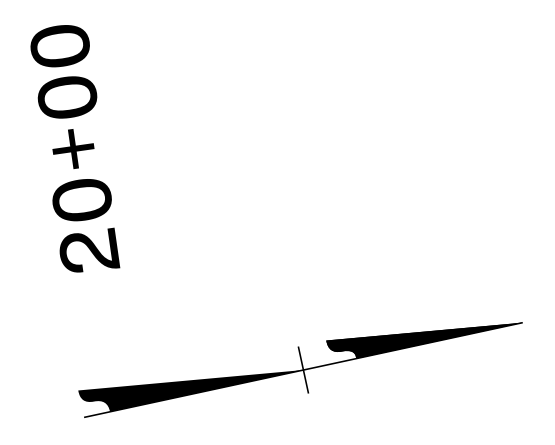


TYPICAL A-A  
REPLACE OUTSIDE 16.5'



TYPICAL A-A  
REPLACE INSIDE 17.5' TO 18.5'

NORTHBOUND CAPITAL BLVD.  
PAVEMENT REMOVAL & REPLACEMENT  
ON WEEKENDS.



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 P:\2014\B-5121-B-5317\TrafficControl\Top\Current TMP Files\LANE'S CURRENT\B5121L5317\_TC\_TMP\_Walde\_psh7.dgn  
 User:skennedy

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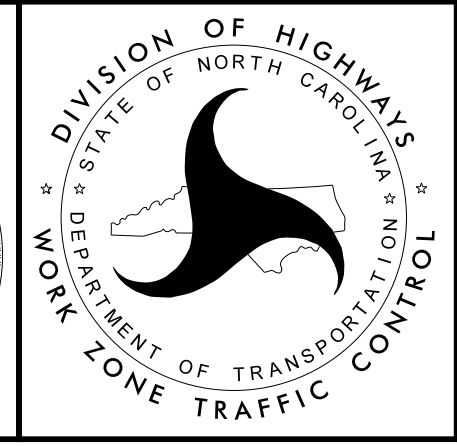
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TRANSPORTATION PLANNING/DESIGN - BRIDGE/STRUCTURE DESIGN  
CIVIL/SITE DESIGN - GIS/GPS - CONSTRUCTION OBSERVATION

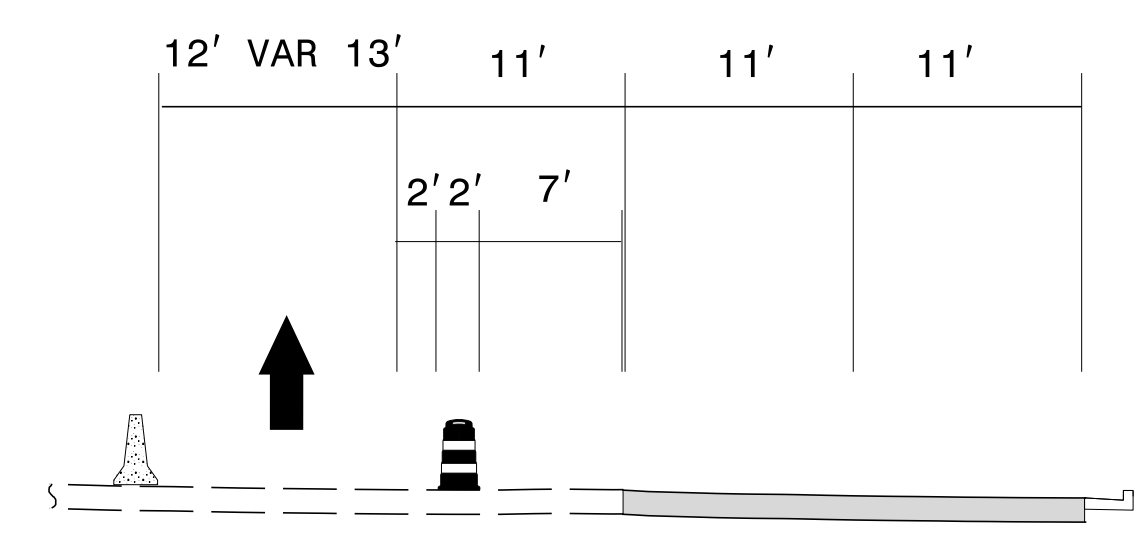
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DATE: \_\_\_\_\_

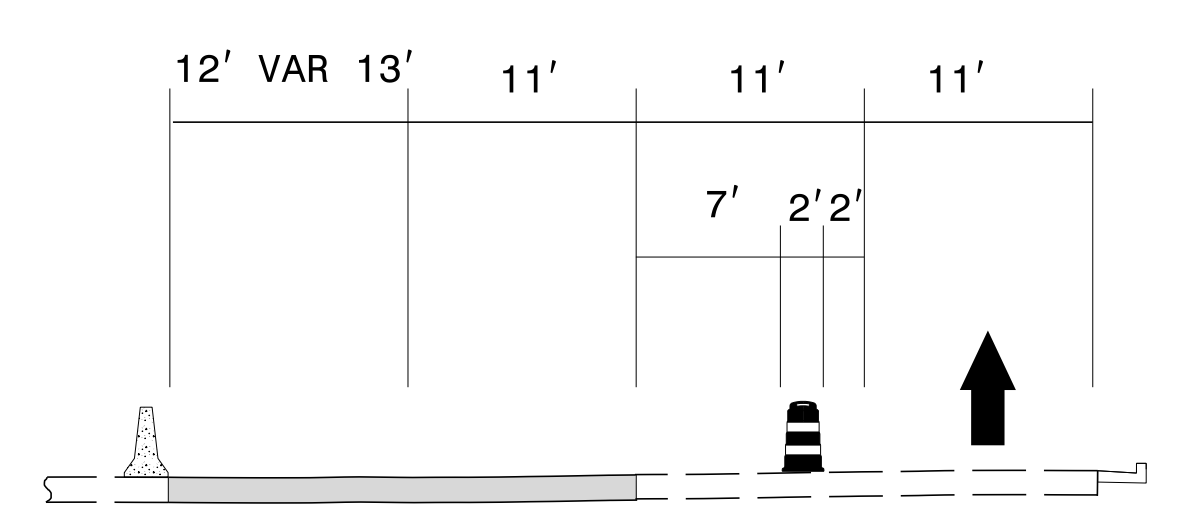
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**AREA I - PHASE I  
TEMPORARY TRAFFIC  
CONTROL DETAIL**

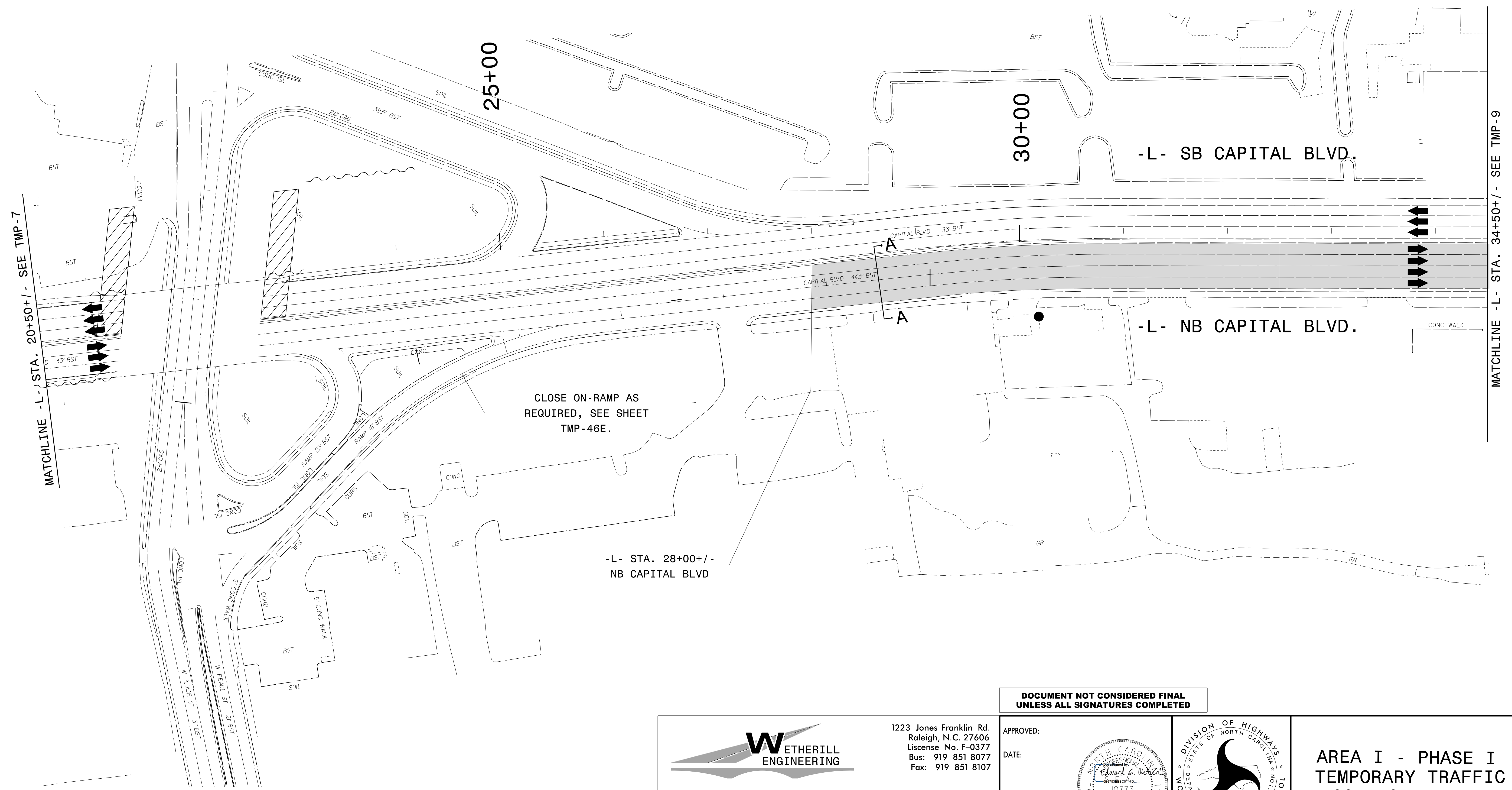
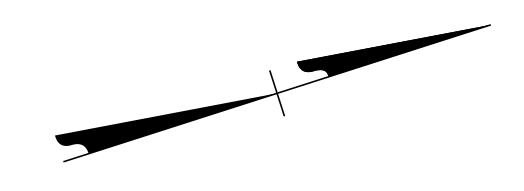


**TYPICAL A-A**  
REPLACE OUTSIDE 22'+/-

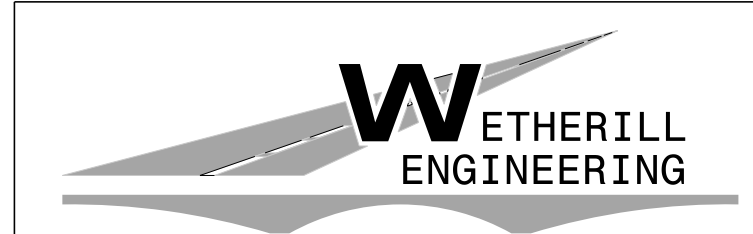


**TYPICAL A-A**  
REPLACE INSIDE 23' TO 24'

**NORTHBOUND CAPITAL BLVD.  
PAVEMENT REMOVAL & REPLACEMENT  
ON WEEKENDS.**



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 User:rskenedy

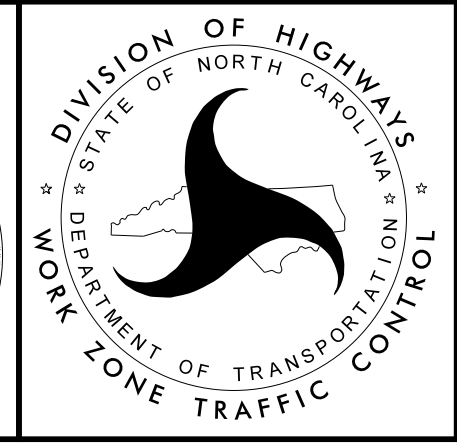
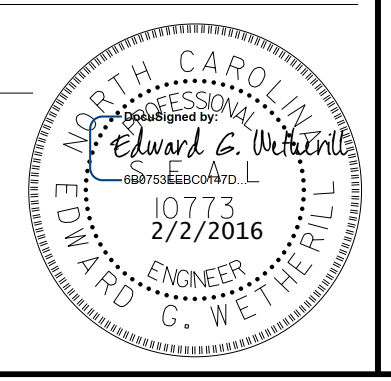


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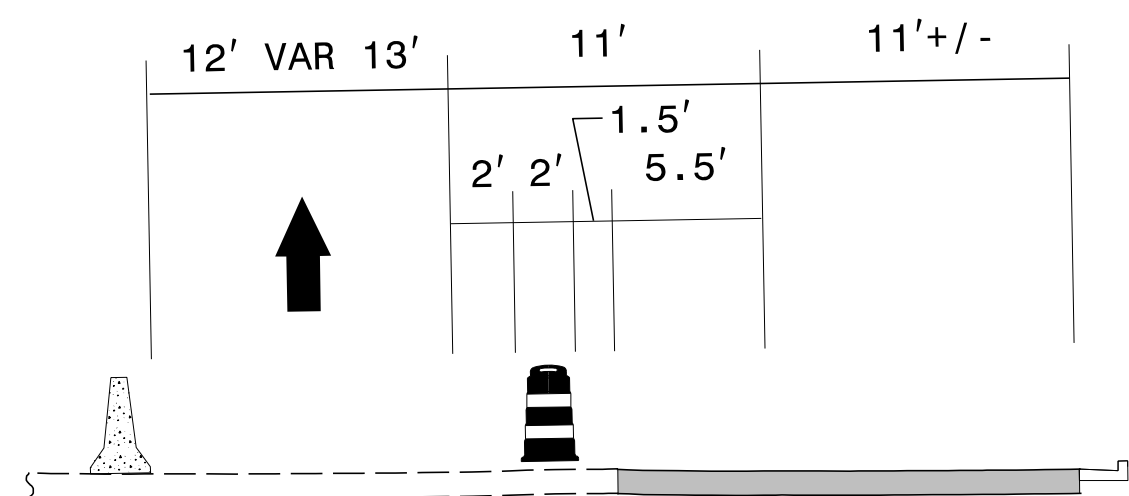
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CIVIL/SITE DESIGN - GIS/GPS - CONSTRUCTION OBSERVATION

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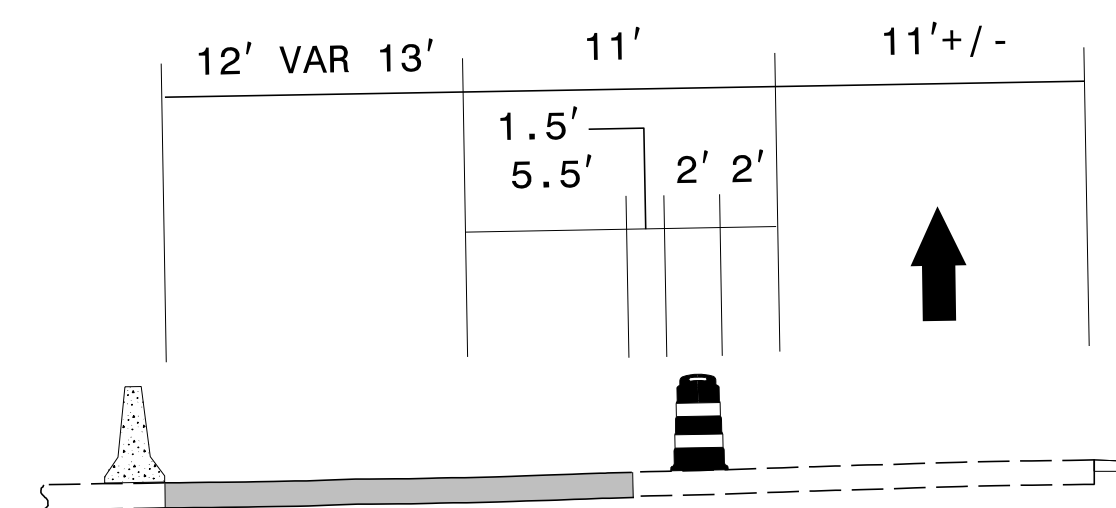


**AREA I - PHASE I  
TEMPORARY TRAFFIC  
CONTROL DETAIL**



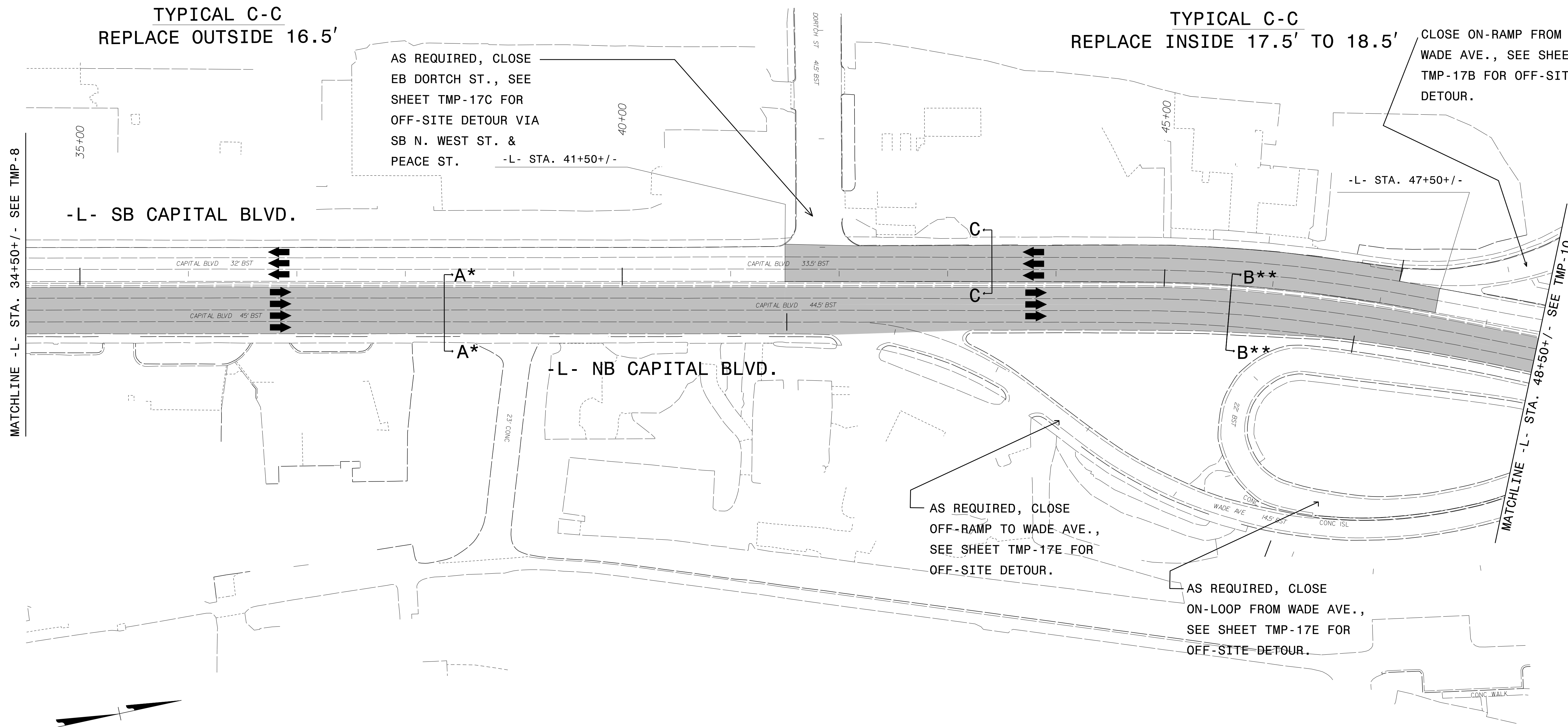
**TYPICAL C-C**  
REPLACE OUTSIDE 16.5'

**NORTHBOUND & SOUTHBOUND CAPITAL BLVD.  
PAVEMENT REMOVAL & REPLACEMENT  
ON WEEKENDS.**



**TYPICAL C-C**  
REPLACE INSIDE 17.5' TO 18.5'

CLOSE ON-RAMP FROM WADE AVE., SEE SHEET TMP-17B FOR OFF-SITE DETOUR.



AS REQUIRED, CLOSE EB DORTCH ST., SEE SHEET TMP-17C FOR OFF-SITE DETOUR VIA SB N. WEST ST. & PEACE ST. -L- STA. 41+50+/-

AS REQUIRED, CLOSE OFF-RAMP TO WADE AVE., SEE SHEET TMP-17E FOR OFF-SITE DETOUR.

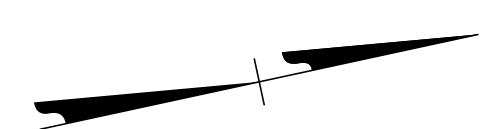
AS REQUIRED, CLOSE ON-LOOP FROM WADE AVE., SEE SHEET TMP-17E FOR OFF-SITE DETOUR.

MATCHLINE -L- STA. 34+50+/- - SEE TMP-8

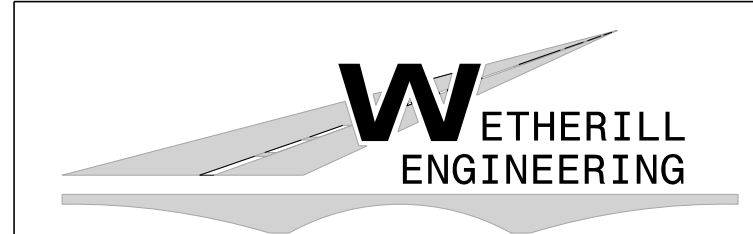
MATCHLINE -L- STA. 48+50+/- - SEE TMP-10

\* SEE SHEET TMP-8 FOR TYPICAL SECTIONS.  
\*\* SEE SHEET TMP-10 FOR TYPICAL SECTIONS.

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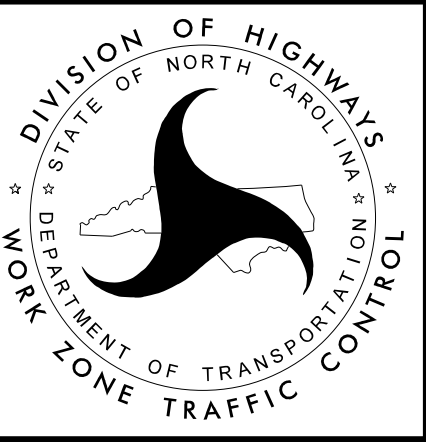
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TRANSPORTATION PLANNING/DESIGN - BRIDGE/STRUCTURE DESIGN  
CIVIL/SITE DESIGN - GIS/GPS - CONSTRUCTION OBSERVATION

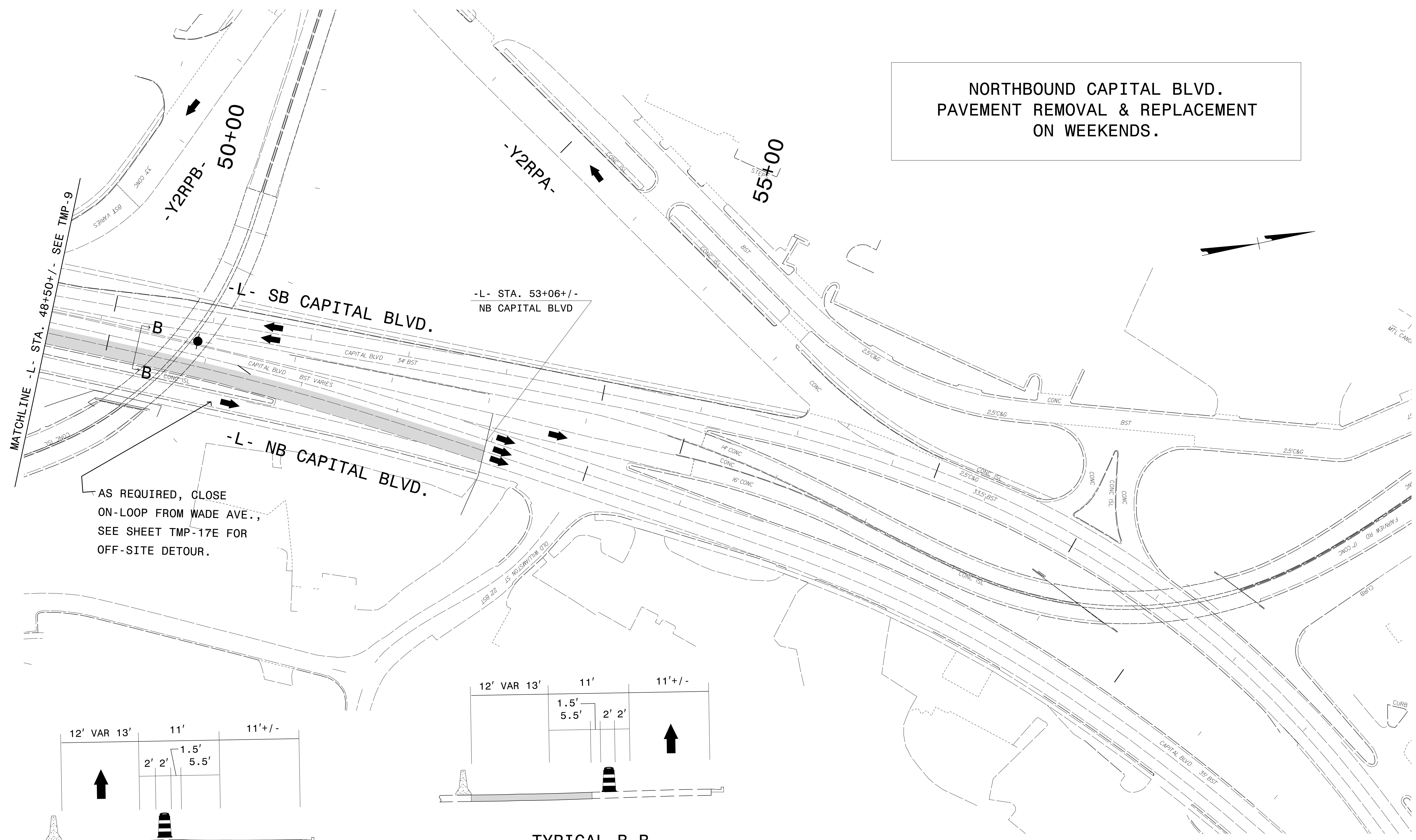
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DATE: \_\_\_\_\_  
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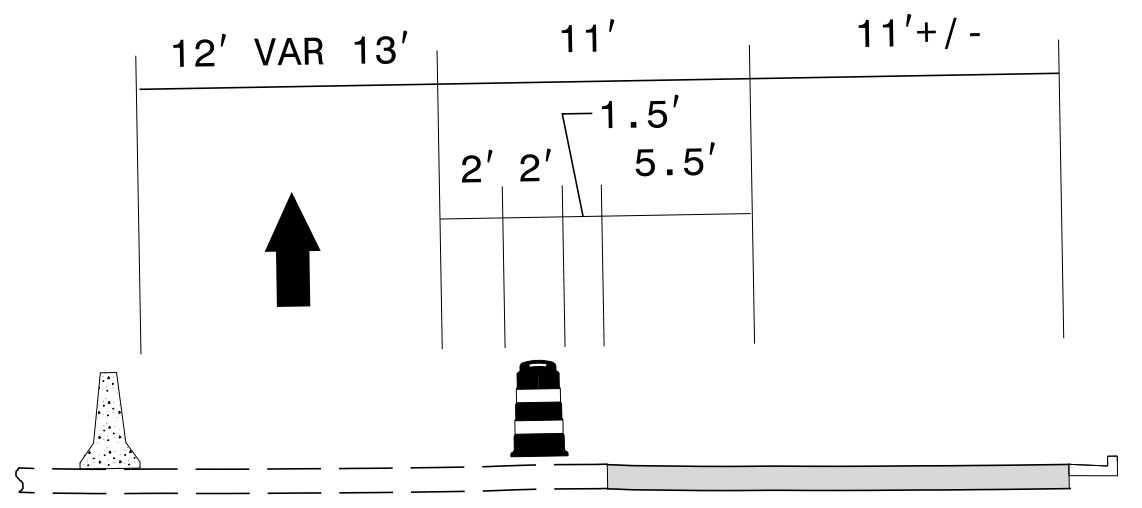
**AREA I - PHASE I  
TEMPORARY TRAFFIC  
CONTROL DETAIL**



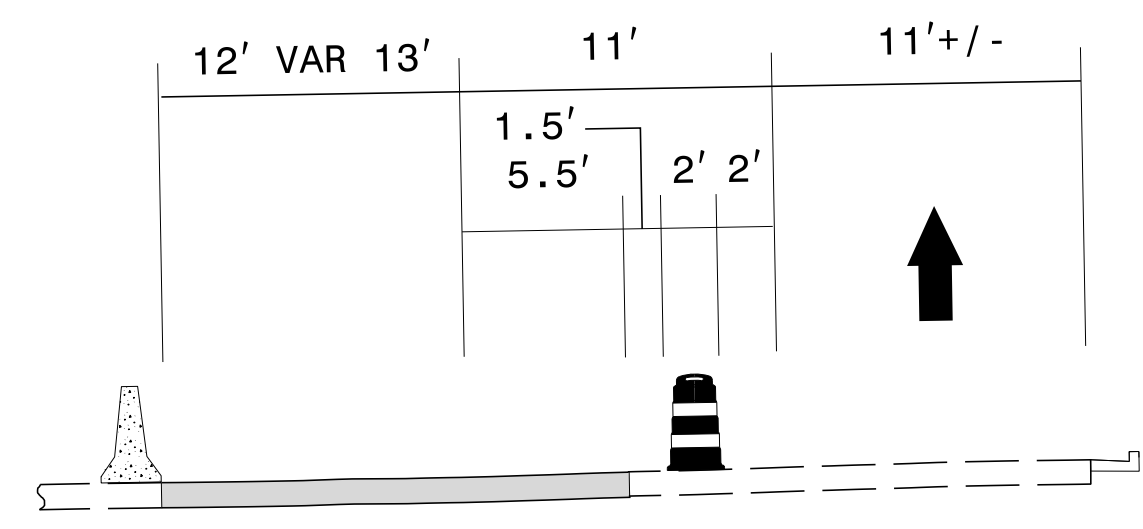
**NORTHBOUND CAPITAL BLVD.  
PAVEMENT REMOVAL & REPLACEMENT  
ON WEEKENDS.**



AS REQUIRED, CLOSE ON-LOOP FROM WADE AVE., SEE SHEET TMP-17E FOR OFF-SITE DETOUR.



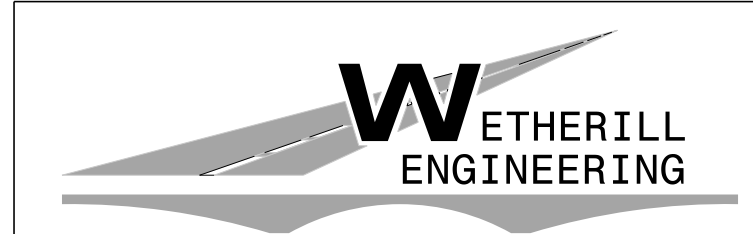
**TYPICAL B-B  
REPLACE OUTSIDE 16.5'**



**TYPICAL B-B  
REPLACE INSIDE 17.5' TO 18.5'**

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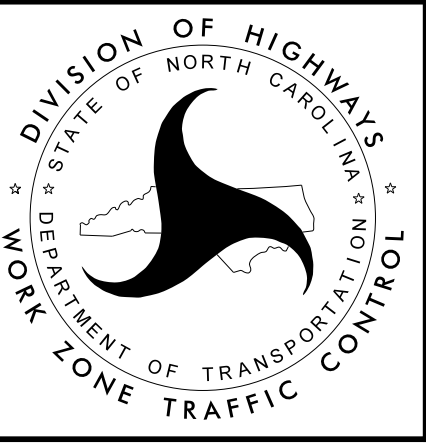
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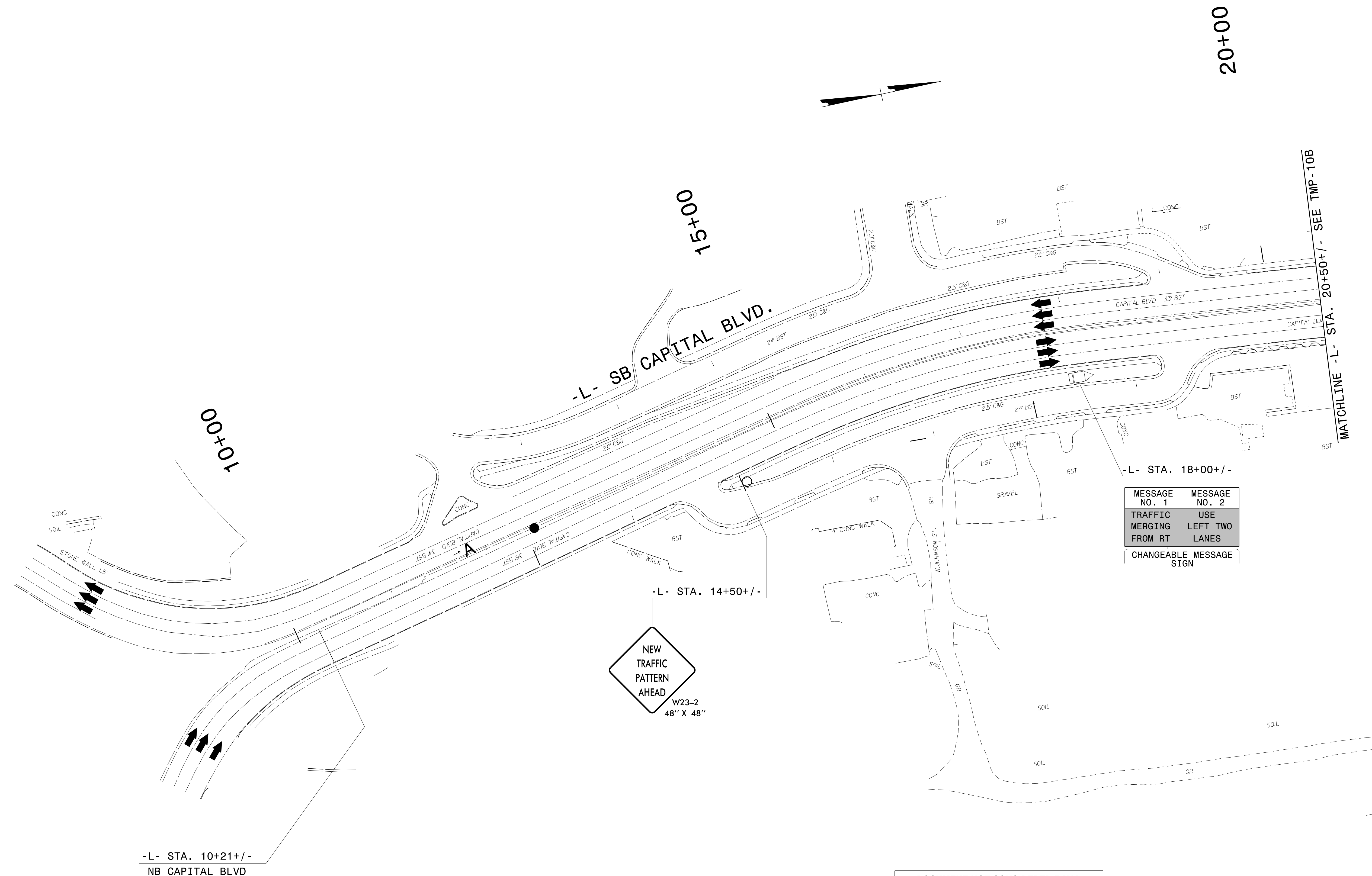
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TRANSPORTATION PLANNING/DESIGN - BRIDGE/STRUCTURE DESIGN  
CIVIL/SITE DESIGN - GIS/GPS - CONSTRUCTION OBSERVATION

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DATE: \_\_\_\_\_  
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**AREA I - PHASE I  
TEMPORARY TRAFFIC  
CONTROL DETAIL**



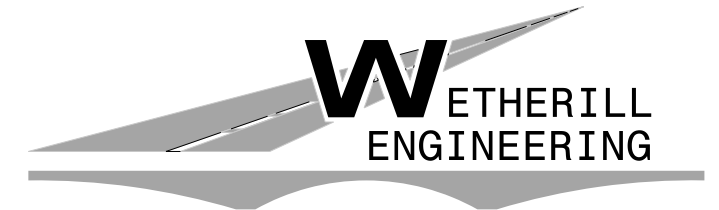
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 User:skennedy

-L- STA. 10+21+/-  
NB CAPITAL BLVD

-L- STA. 14+50+/-

-L- STA. 18+00+/-

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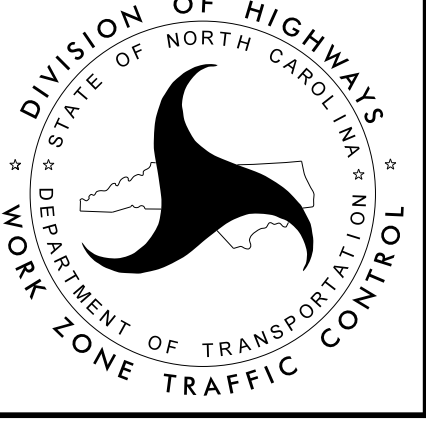


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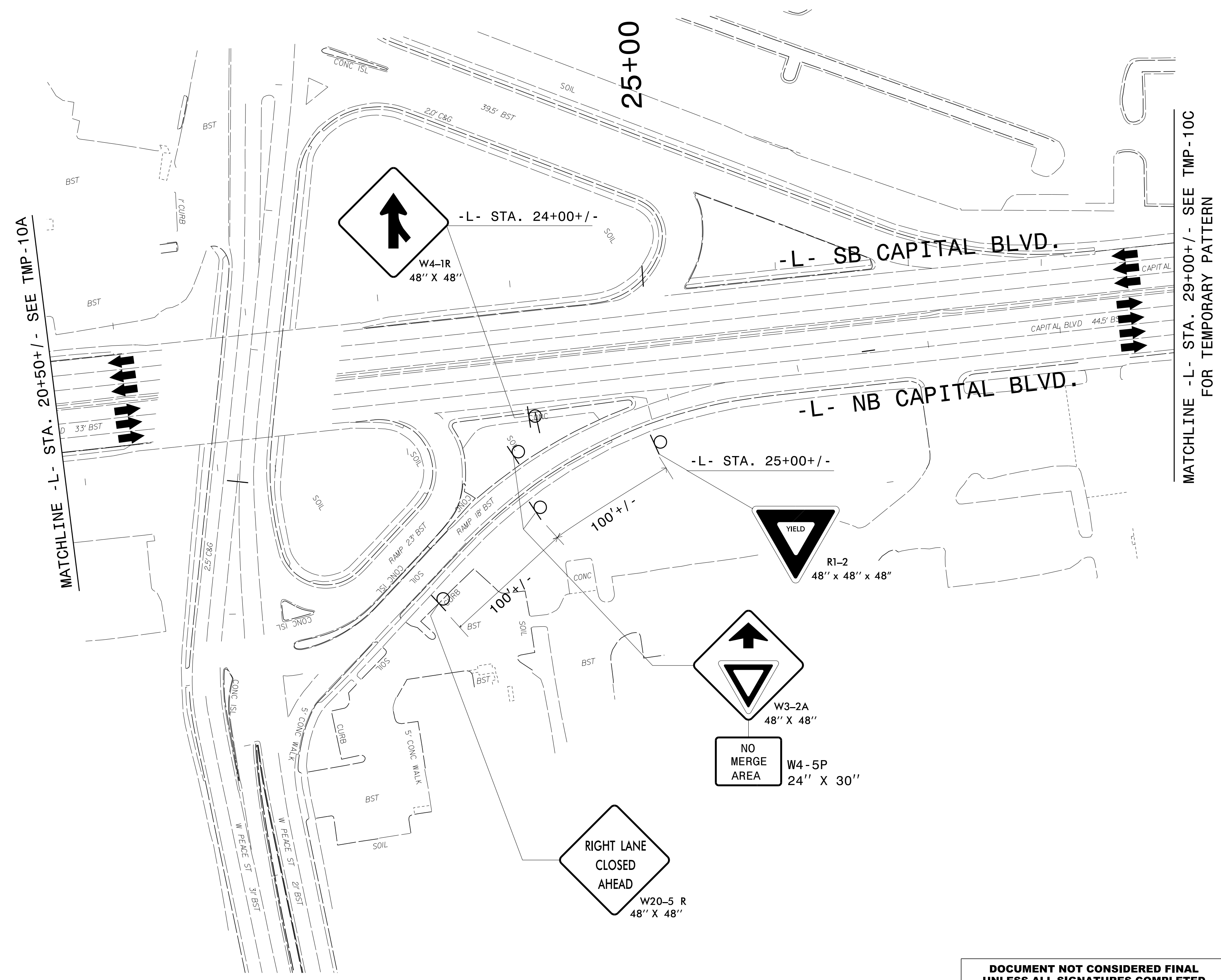
TRANSPORTATION PLANNING/DESIGN - BRIDGE/STRUCTURE DESIGN  
CIVIL/SITE DESIGN - GIS/GPS - CONSTRUCTION OBSERVATION

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

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**AREA I - PHASE II  
TEMPORARY TRAFFIC  
CONTROL DETAIL**



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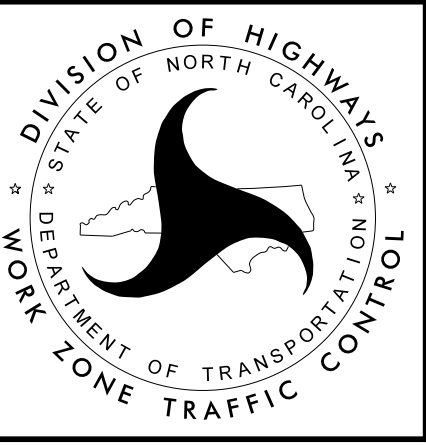
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CIVIL/SITE DESIGN - GIS/GPS - CONSTRUCTION OBSERVATION

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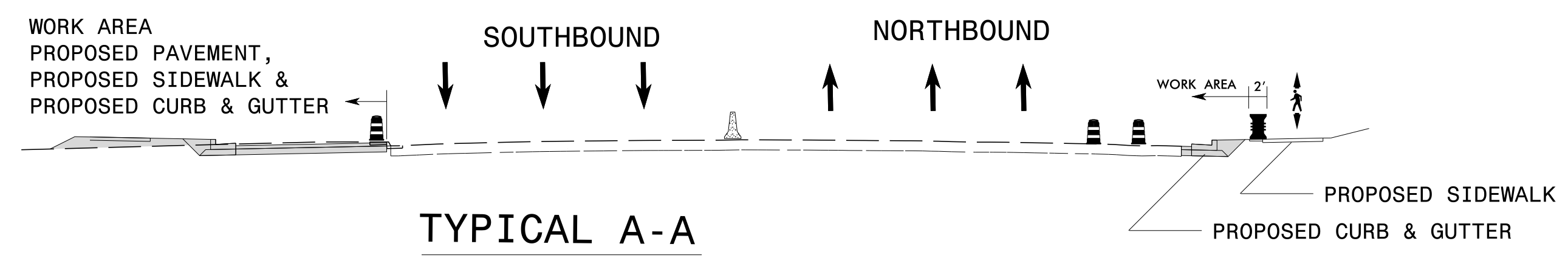
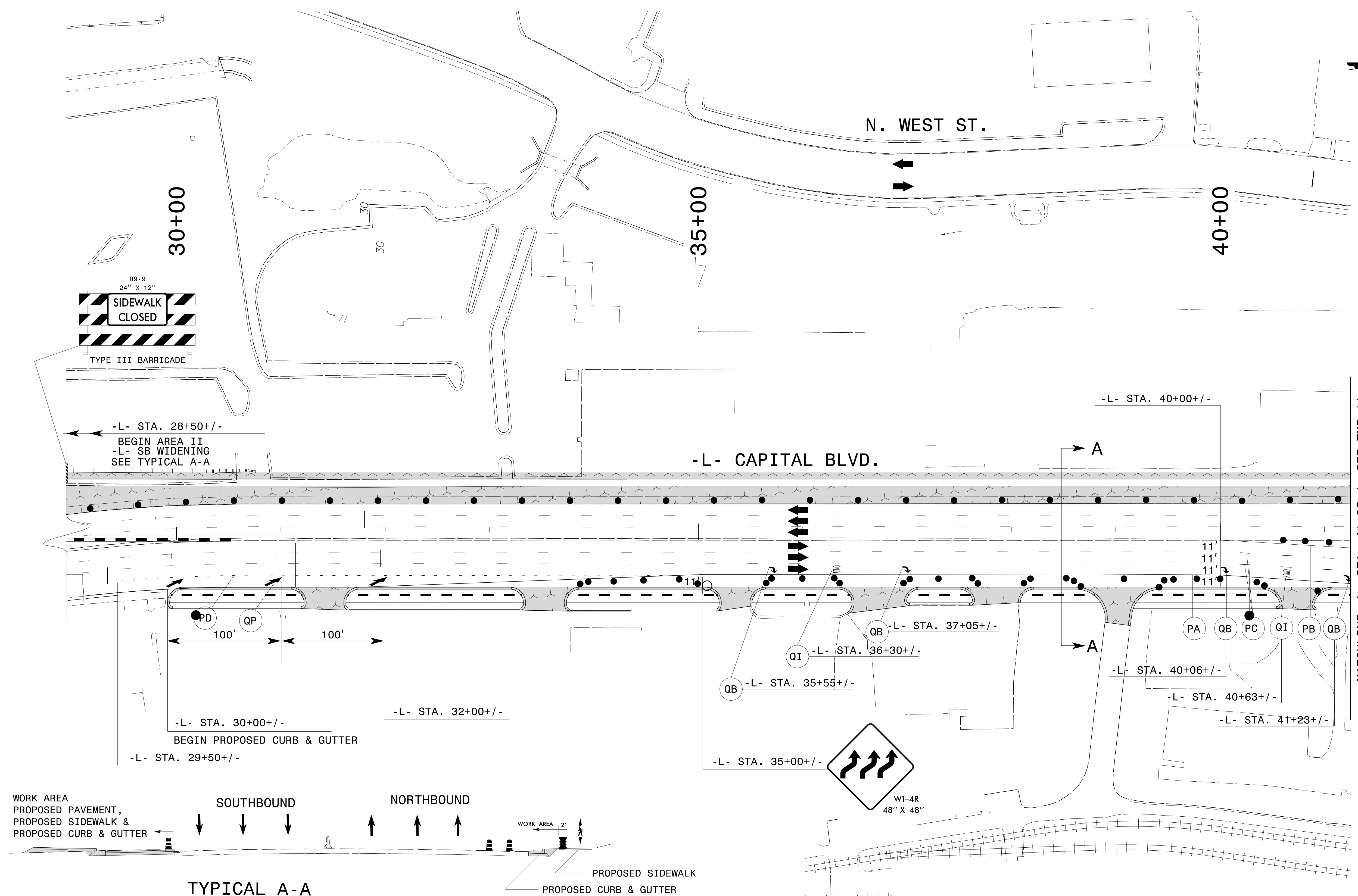
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**AREA I - PHASE II  
TEMPORARY TRAFFIC  
CONTROL DETAIL**



SB CAPITAL BLVD.  
-L- STA. 28+50+/- TO  
-L- STA. 47+50 +/-

NB CAPITAL BLVD.  
-L- STA. 30+00+/- TO  
-L- STA. 41+50 +/-

MATCHLINE -L- STA. 41+25+/- - SEE TMP-11

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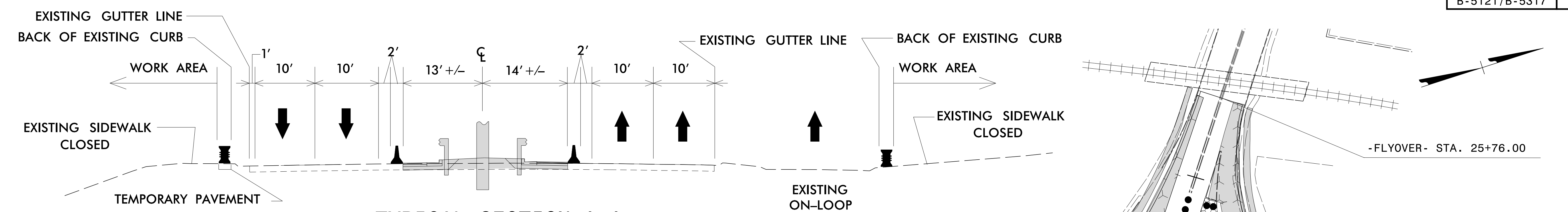
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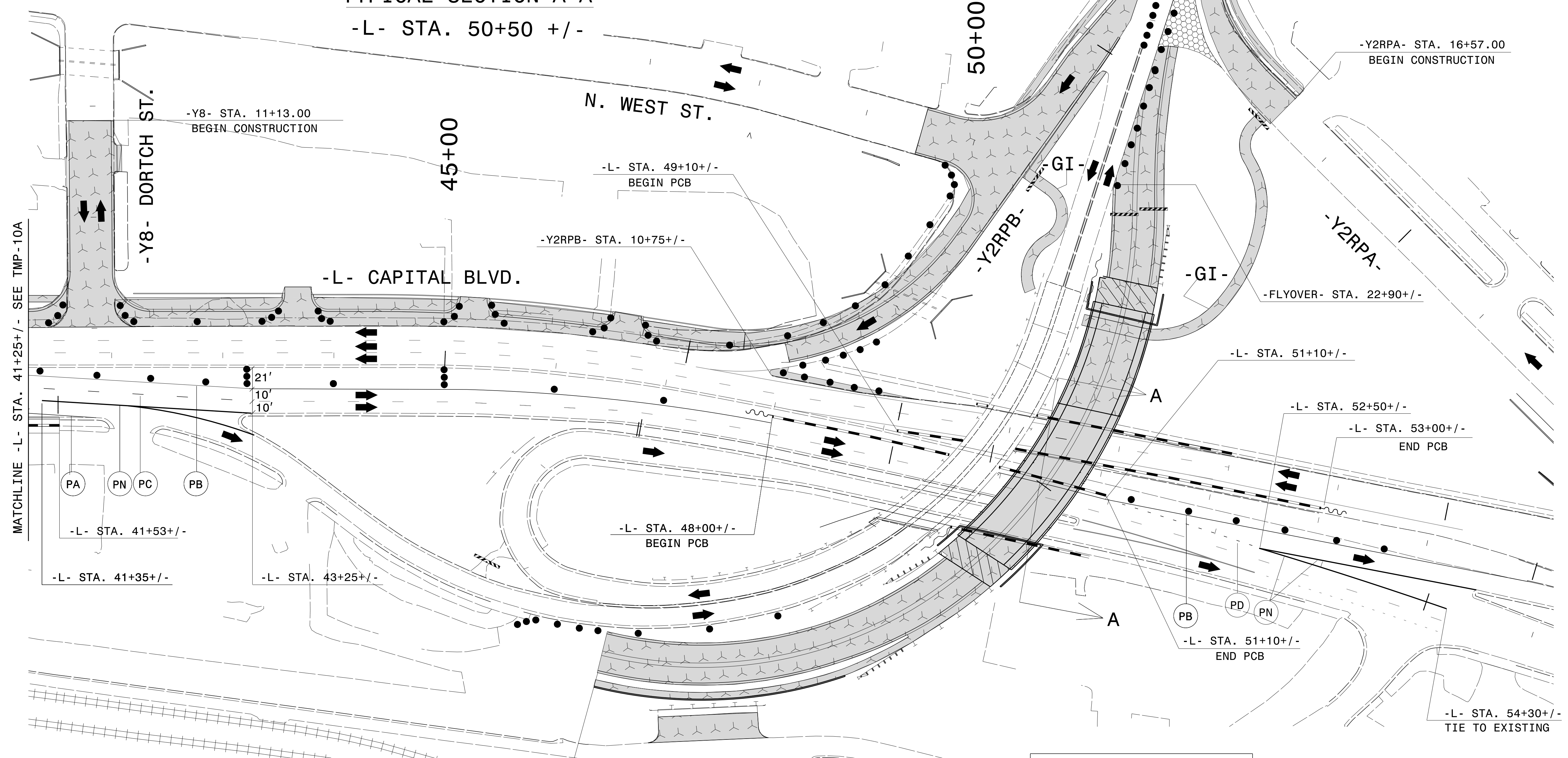
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DIVISION OF HIGHWAYS  
STATE OF NORTH CAROLINA  
DEPARTMENT OF TRANSPORTATION  
WORK ZONE TRAFFIC CONTROL

**AREA I - PHASE II  
TEMPORARY TRAFFIC  
CONTROL DETAIL**



**TYPICAL SECTION A-A**  
 -L- STA. 50+50 +/-



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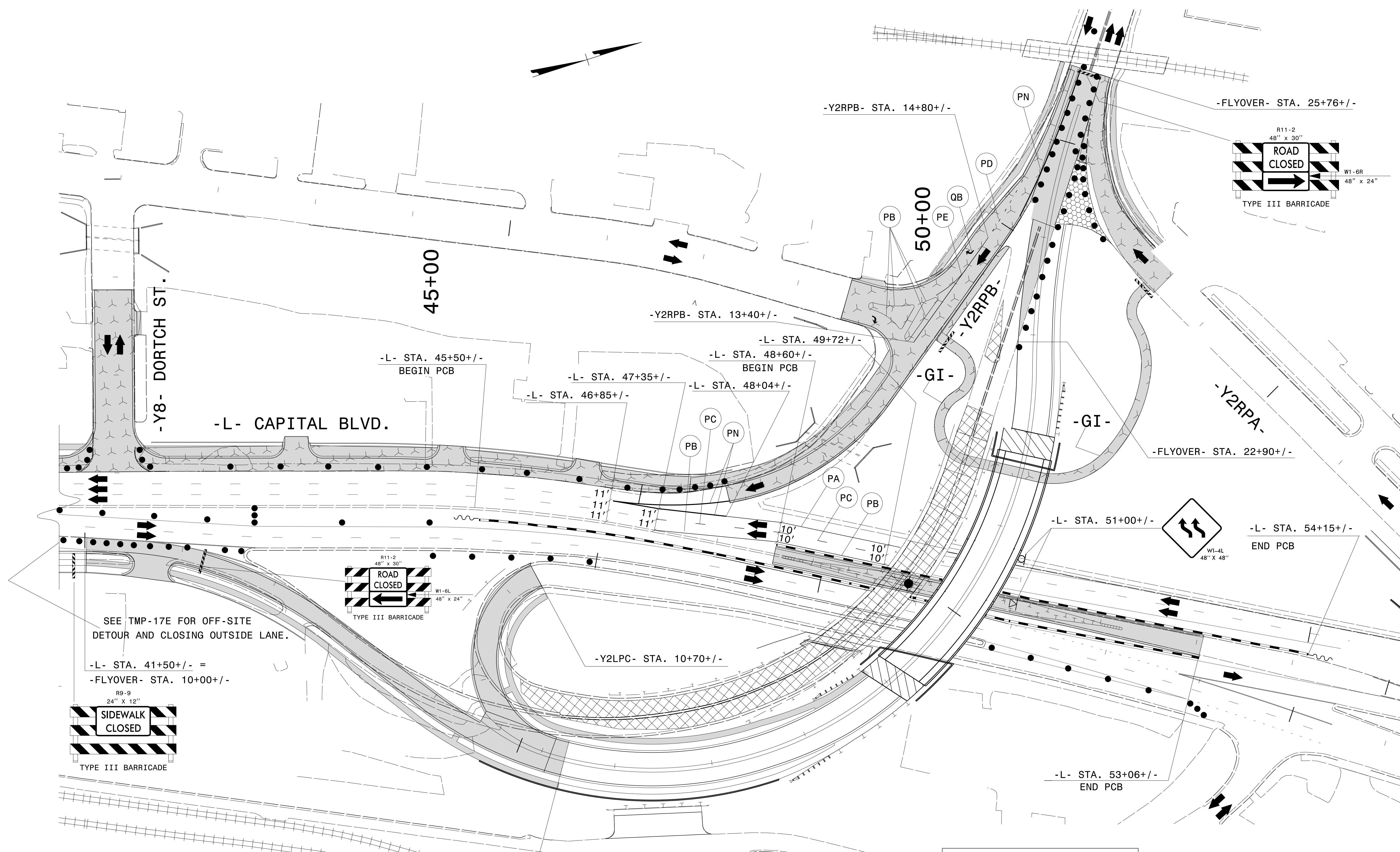
TRANSPORTATION PLANNING/DESIGN - BRIDGE/STRUCTURE DESIGN  
 CIVIL/SITE DESIGN - GIS/GPS - CONSTRUCTION OBSERVATION

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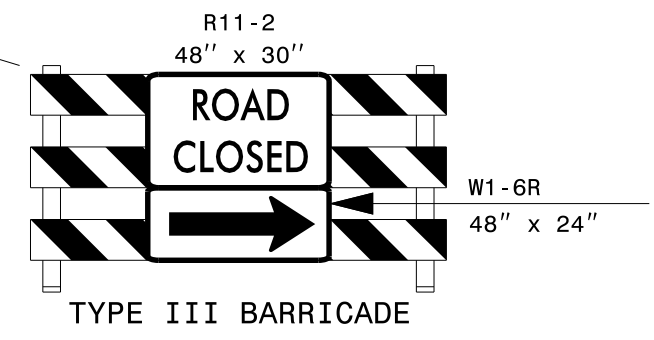
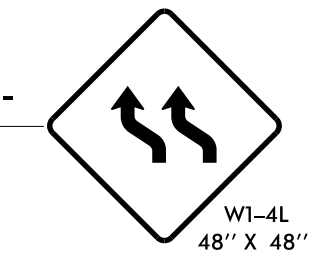
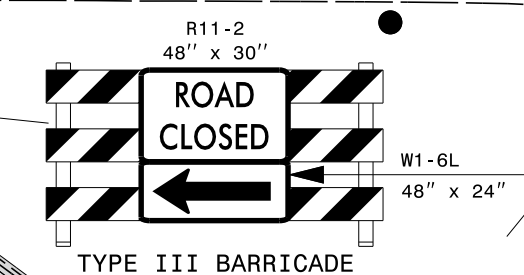
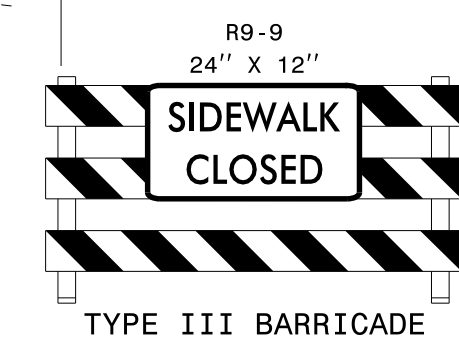
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**AREA I - PHASE II  
 TEMPORARY TRAFFIC  
 CONTROL DETAIL**



SEE TMP-17E FOR OFF-SITE  
DETOUR AND CLOSING OUTSIDE LANE.

-L- STA. 41+50+/- =  
-FLYOVER- STA. 10+00+/-

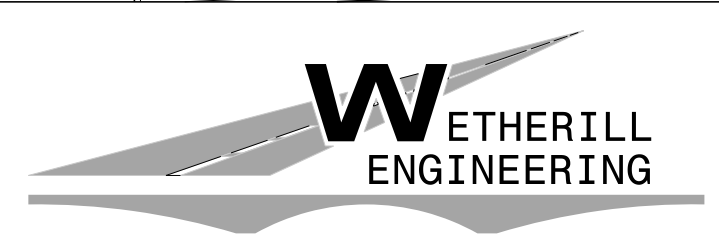


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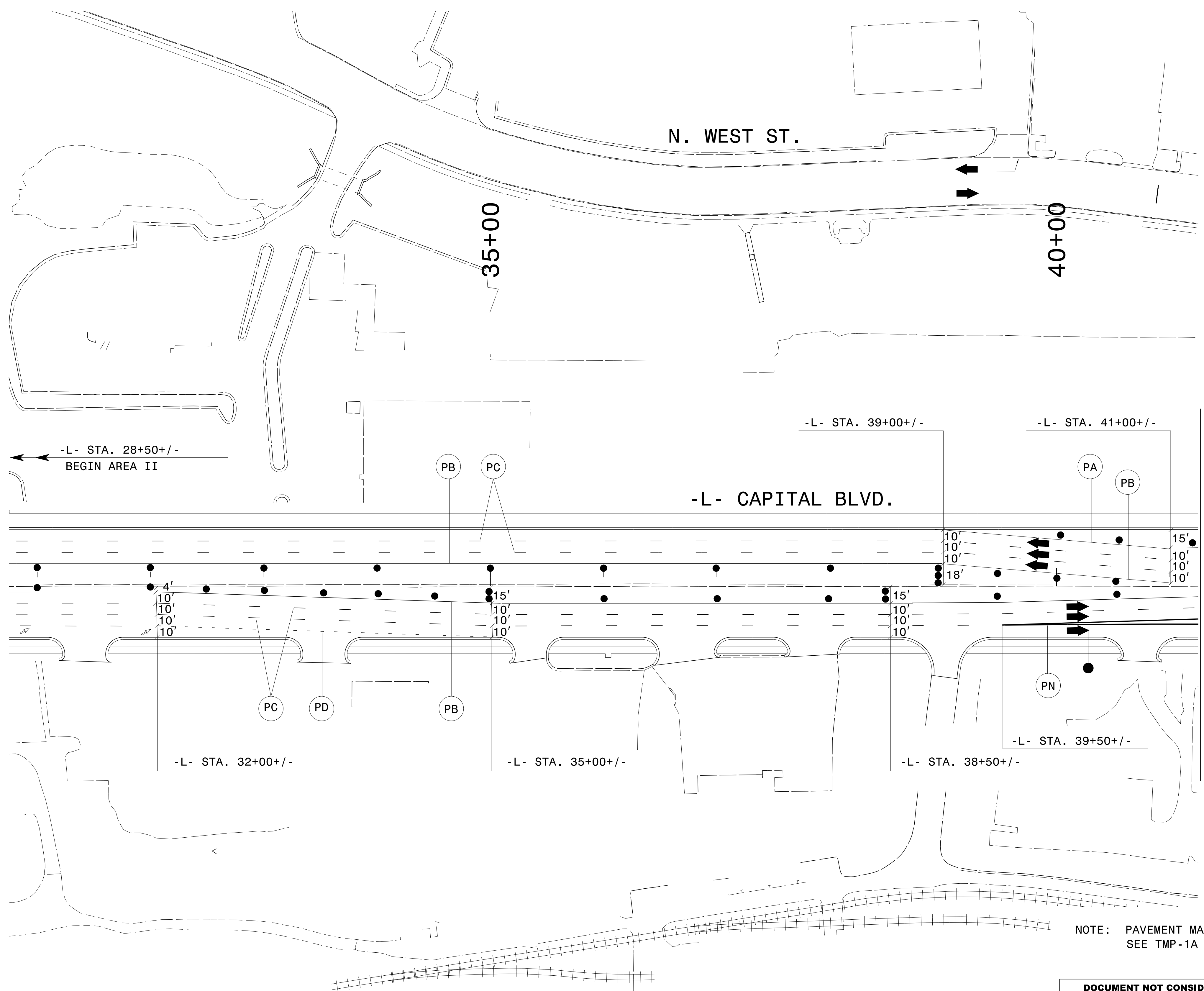
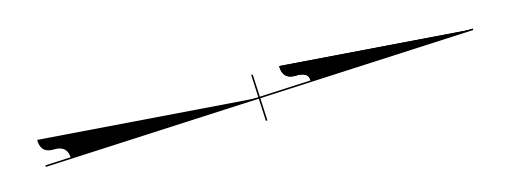
**AREA I - PHASE III  
TEMPORARY TRAFFIC  
CONTROL DETAIL**



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MATCHLINE - L - STA. 41+25+/- - SEE TMP-14

NOTE: PAVEMENT MARKINGS SHOWN ARE EXISTING UNLESS OTHERWISE NOTED.  
SEE TMP-1A FOR PAVEMENT MARKING SCHEDULE.

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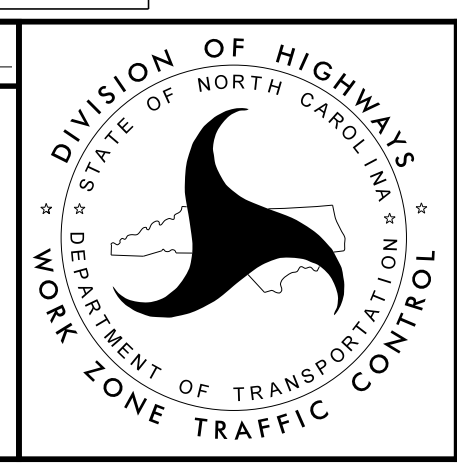
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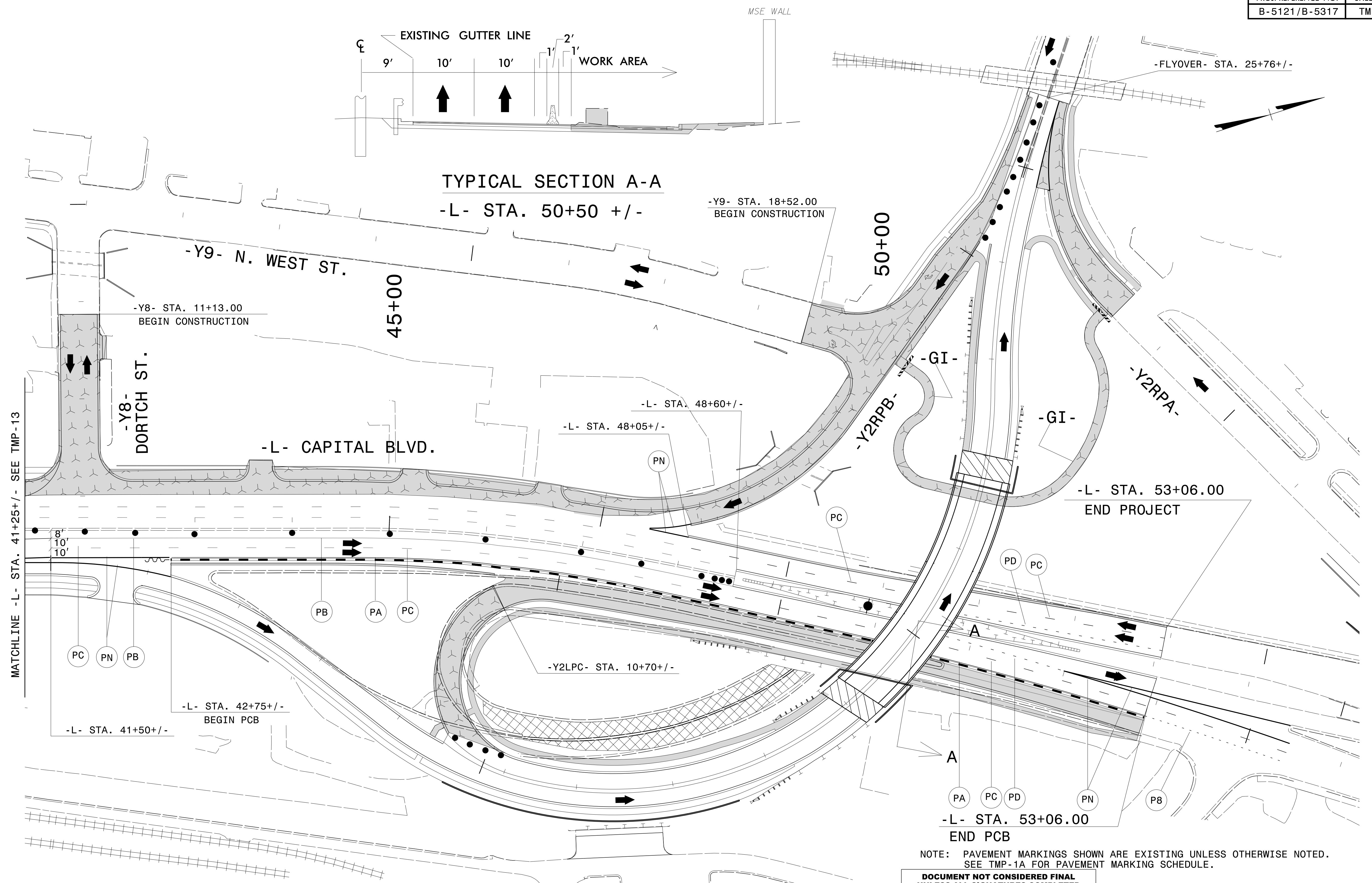
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TRANSPORTATION PLANNING/DESIGN - BRIDGE/STRUCTURE DESIGN  
CIVIL/SITE DESIGN - GIS/GPS - CONSTRUCTION OBSERVATION

APPROVED: _____	DATE: _____
SEAL	



**AREA I - PHASE III  
TEMPORARY TRAFFIC  
CONTROL DETAIL**



NOTE: PAVEMENT MARKINGS SHOWN ARE EXISTING UNLESS OTHERWISE NOTED.  
 SEE TMP-1A FOR PAVEMENT MARKING SCHEDULE.

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 CIVIL/SITE DESIGN - GIS/GPS - CONSTRUCTION OBSERVATION

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

SEAL

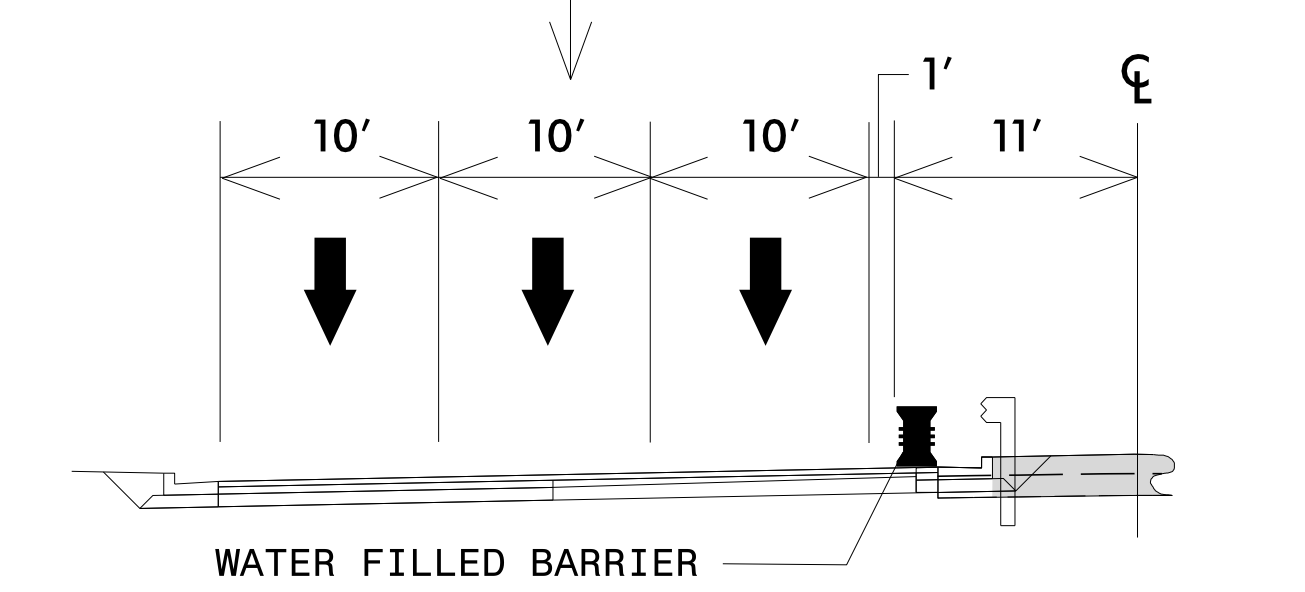
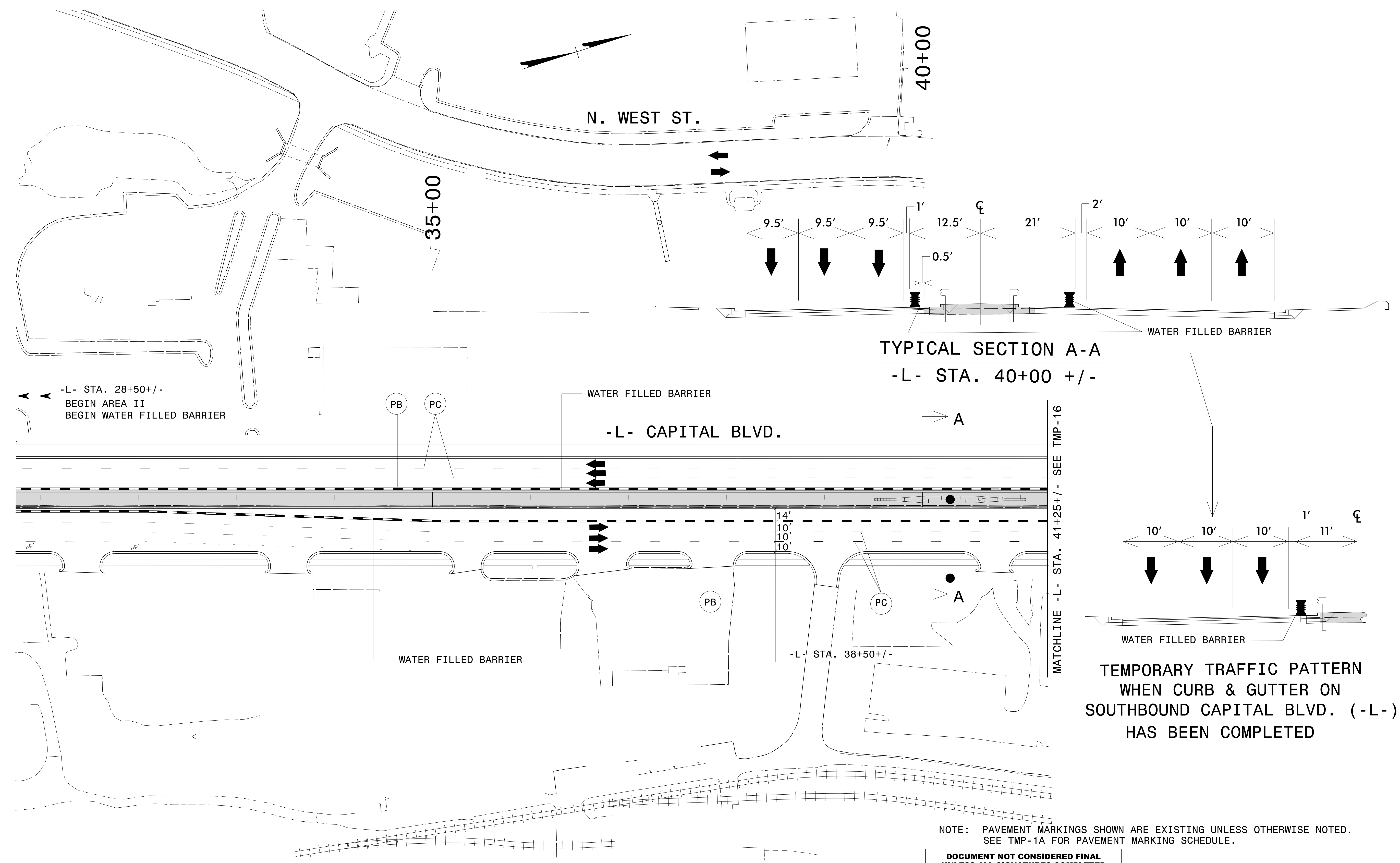
*Edward G. Wetherill*  
 10773  
 2/2/2016  
 ENGINEER

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

**AREA I - PHASE III  
 TEMPORARY TRAFFIC CONTROL DETAIL**

2/1/2016  
 P:\2014\B-5121\B-5317\TrafficControl\Top\Current TMP Files\LANE'S CURRENT\B5121\B5317\_TC\_TMP\_Wade\_pshi4.dgn  
 User:skennedy





TEMPORARY TRAFFIC PATTERN  
WHEN CURB & GUTTER ON  
SOUTHBOUND CAPITAL BLVD. (-L-) HAS BEEN COMPLETED

NOTE: PAVEMENT MARKINGS SHOWN ARE EXISTING UNLESS OTHERWISE NOTED.  
SEE TMP-1A FOR PAVEMENT MARKING SCHEDULE.

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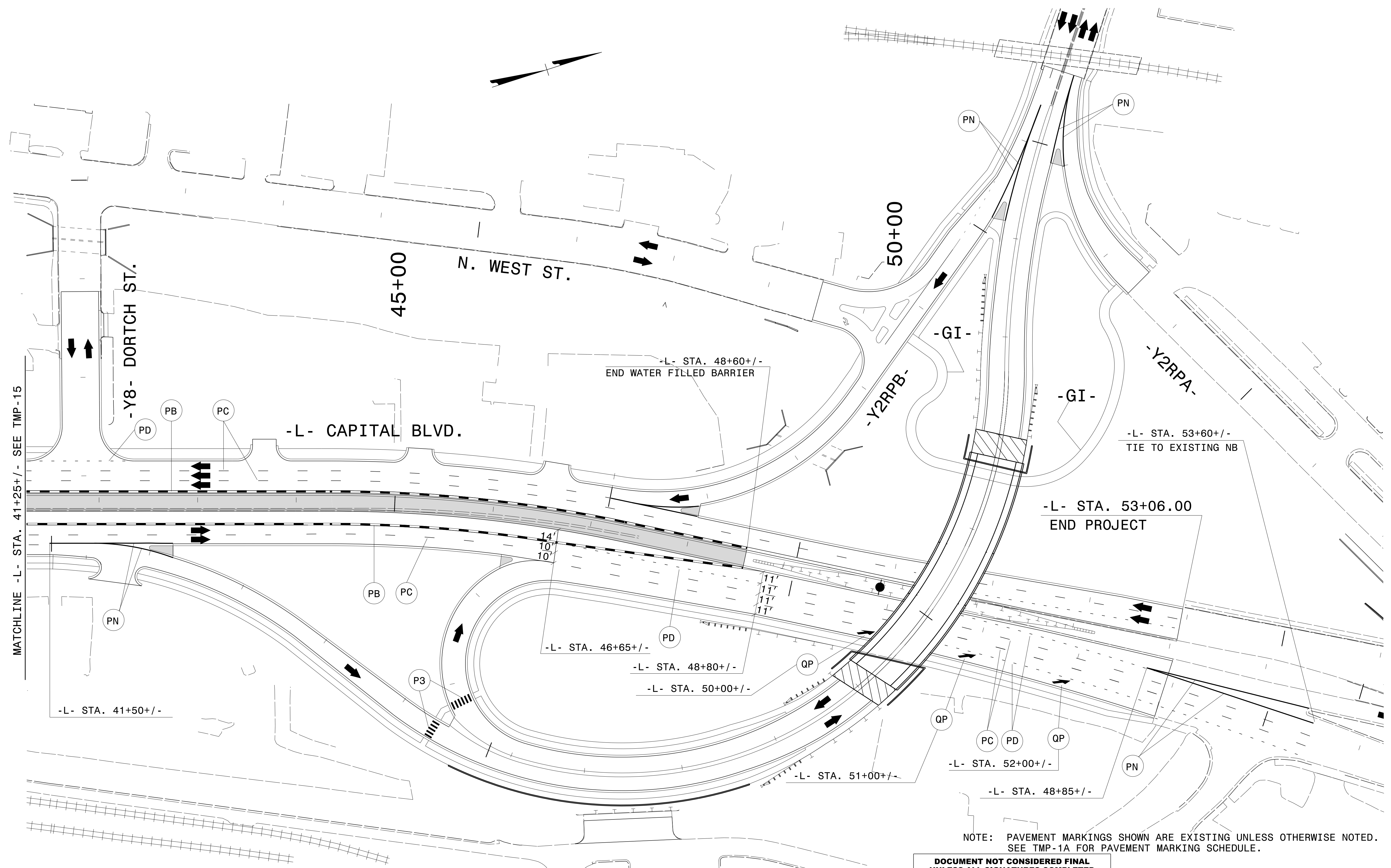
TRANSPORTATION PLANNING/DESIGN - BRIDGE/STRUCTURE DESIGN  
CIVIL/SITE DESIGN - GIS/GPS - CONSTRUCTION OBSERVATION

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SEAL

AREA I - PHASE IV  
TEMPORARY TRAFFIC  
CONTROL DETAIL

2/1/2016 P:\2014\B-5121-B-5317\TrafficControl\Top\Current TMP Files\LANE'S CURRENT\B5121L5317\_TC\_TMP\_Wade\_psh15.dgn User:skennedy



MATCHLINE -L- STA. 41+25+/- - SEE TMP-15

NOTE: PAVEMENT MARKINGS SHOWN ARE EXISTING UNLESS OTHERWISE NOTED. SEE TMP-1A FOR PAVEMENT MARKING SCHEDULE.

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2/1/2016 P:\2014\B-5121\B-5317\TrafficControl\Top\Current TMP Files\LANE'S CURRENT\B5121L5317\_TC\_TMP\_Wade\_pshih6.dgn User:skennedy

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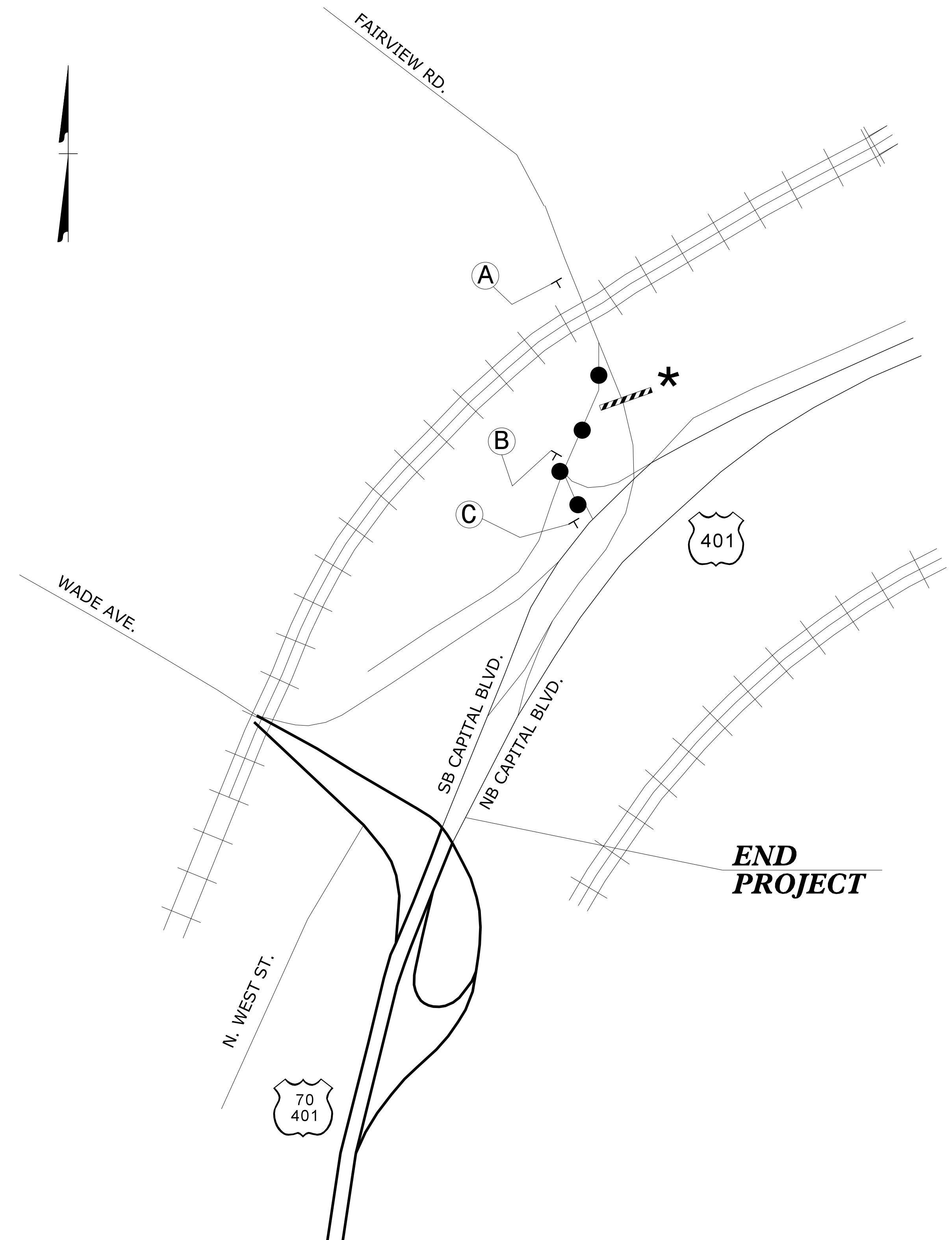
TRANSPORTATION PLANNING/DESIGN - BRIDGE/STRUCTURE DESIGN  
CIVIL/SITE DESIGN - GIS/GPS - CONSTRUCTION OBSERVATION

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

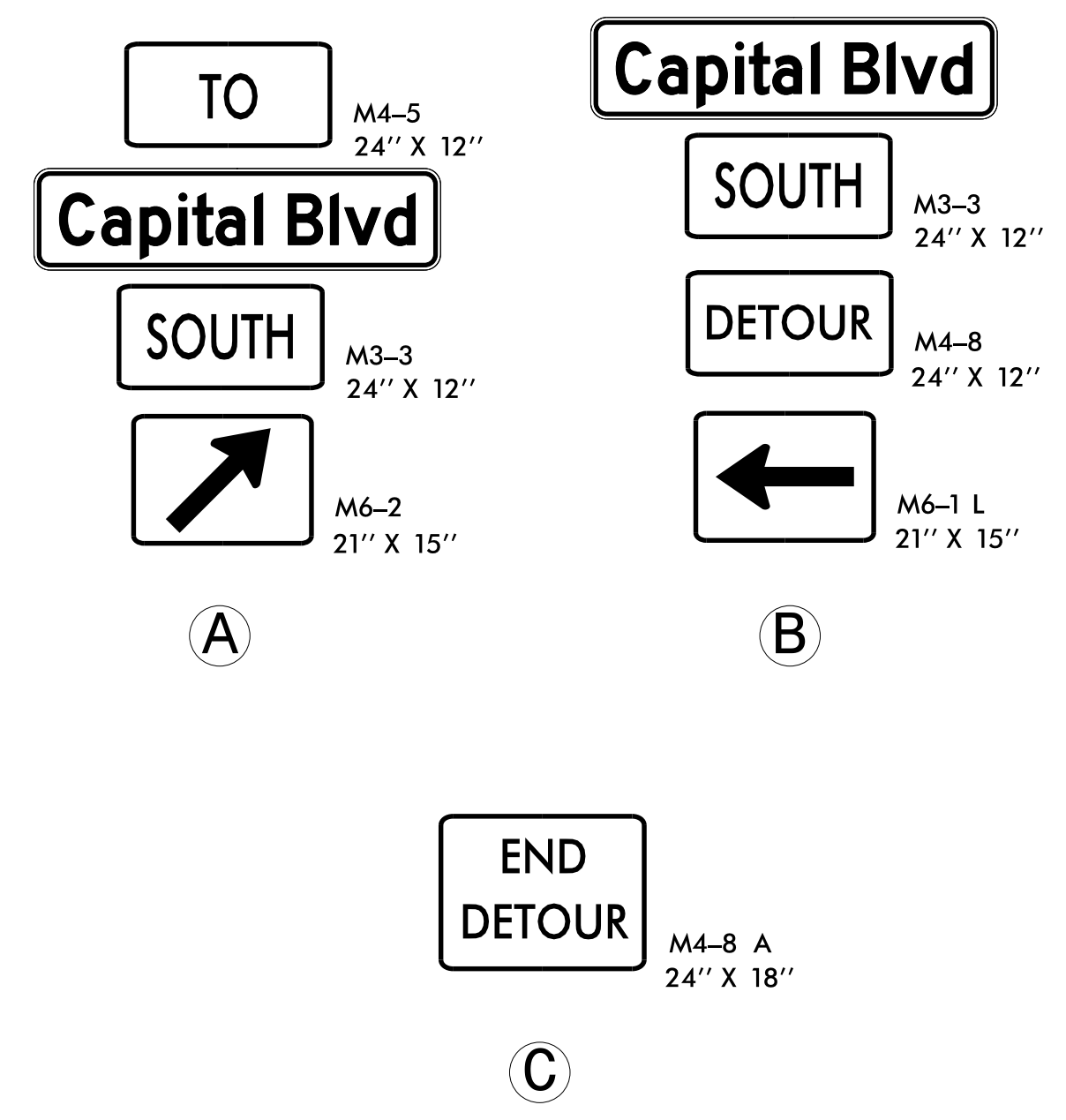
SEAL

AREA I - PHASE IV  
TEMPORARY TRAFFIC  
CONTROL DETAIL

OFF-SITE DETOUR WHEN FAIRVIEW RD. ON-RAMP TO SOUTHBOUND CAPITAL BLVD. IS CLOSED FOR ENTIRE PROJECT DURATION.



**DETOUR SIGNING**

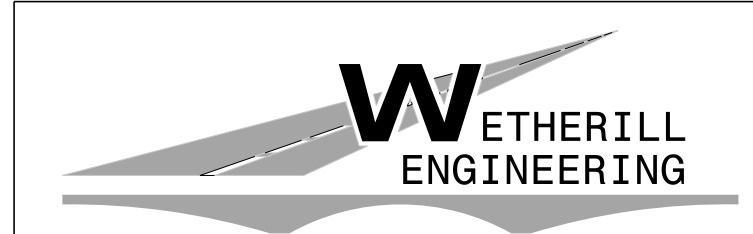


**END PROJECT**

NOTES: SEE TMP-2B FOR "CAPITAL BLVD" SPECIAL SIGN DESIGN.  
 \* SEE RSD 1101.03, SHEET 2 OF 9, FOR TYPE III BARRICADE LOCATION WITH ATTACHED SIGNING & ADDITIONAL SIGNING FOR ROAD CLOSURE.

**DETOUR ROUTE** ● ● ●

2/1/2016 P:\2014\B-5121-B-5317\TrafficControl\Top\Current TMP Files\LANE'S CURRENT\B5121L5317\_TC\_TMP\_Wade\_psh17.dgn User:skennedy



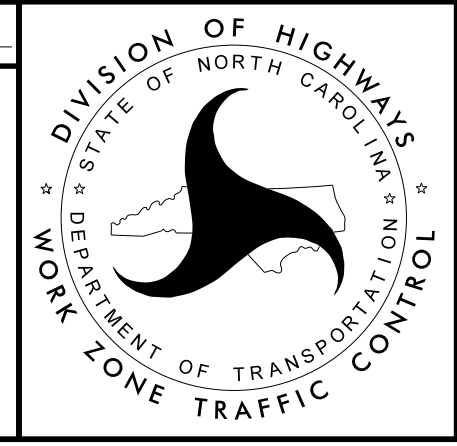
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TRANSPORTATION PLANNING/DESIGN - BRIDGE/STRUCTURE DESIGN  
 CIVIL/SITE DESIGN - GIS/GPS - CONSTRUCTION OBSERVATION

**DOCUMENT NOT CONSIDERED FINAL  
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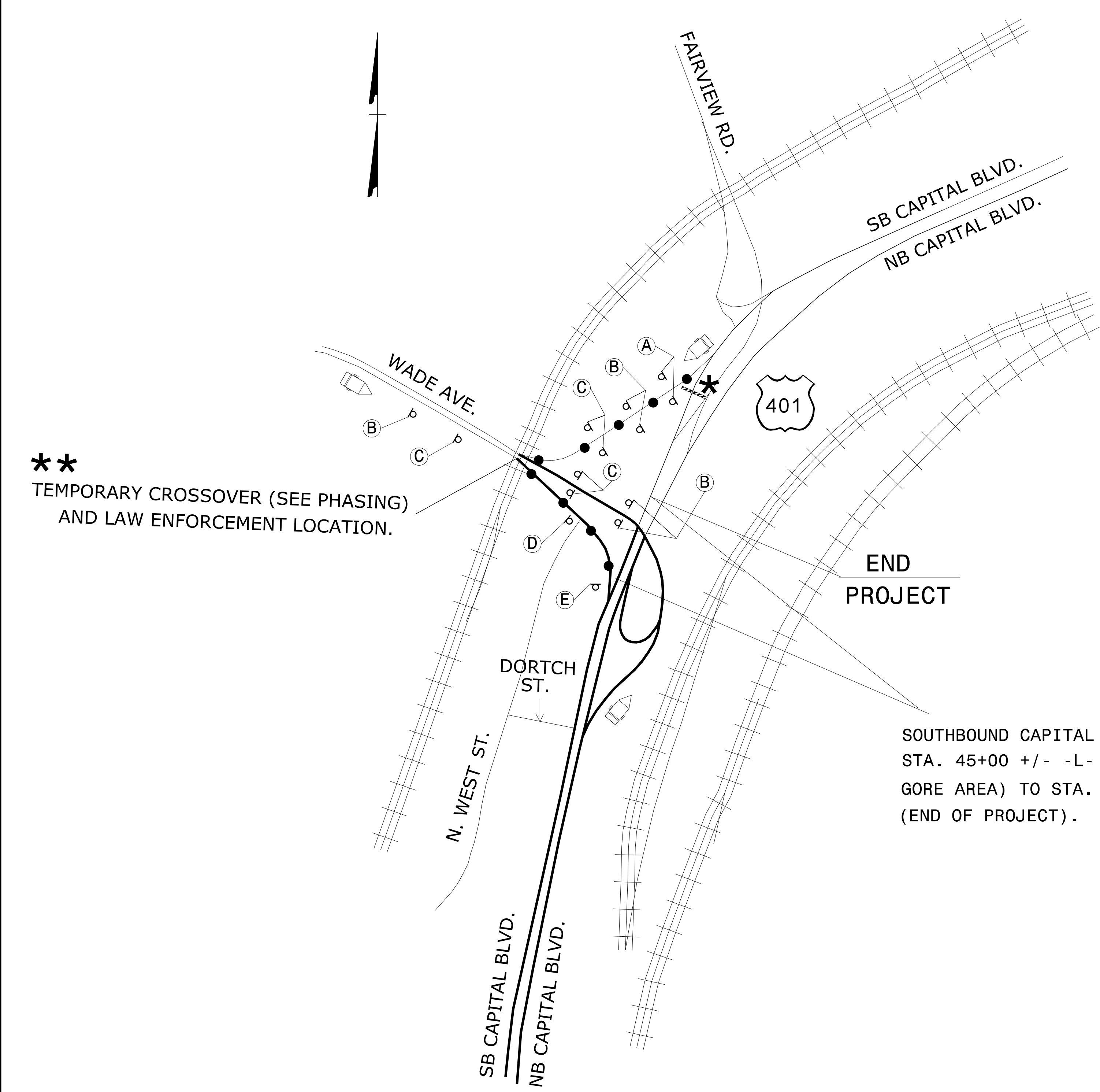
APPROVED: \_\_\_\_\_ DATE: \_\_\_\_\_

SEAL



**TEMPORARY TRAFFIC CONTROL DETAIL**

OFF-SITE DETOUR WHEN SOUTHBOUND CAPITAL BLVD. IS CLOSED FOR NIGHTTIME & WEEKEND CLOSURES FOR BRIDGE WORK, PAVEMENT REMOVAL & REPLACEMENT.

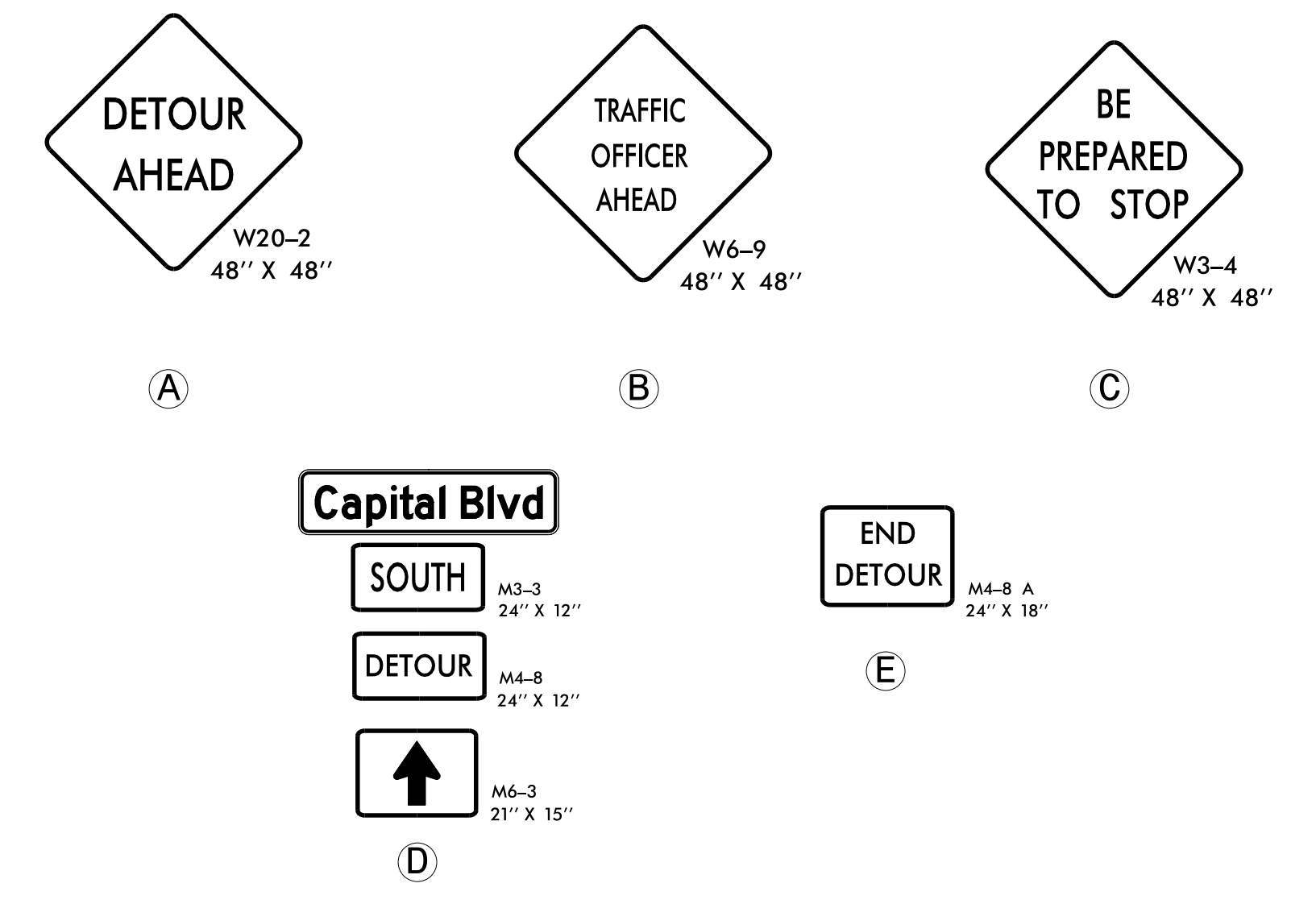


\*\*\* TEMPORARY CROSSOVER (SEE PHASING) AND LAW ENFORCEMENT LOCATION.

END PROJECT

SOUTHBOUND CAPITAL BLVD. CLOSED FROM STA. 45+00 +/- -L- (BACK OF ON-RAMP GORE AREA) TO STA. 53+06 +/- -L- (END OF PROJECT).

**DETOUR SIGNING**



**CHANGEABLE MESSAGE SIGNS (CMS)**

PLACE CMS AS DIRECTED BY THE ENGINEER.

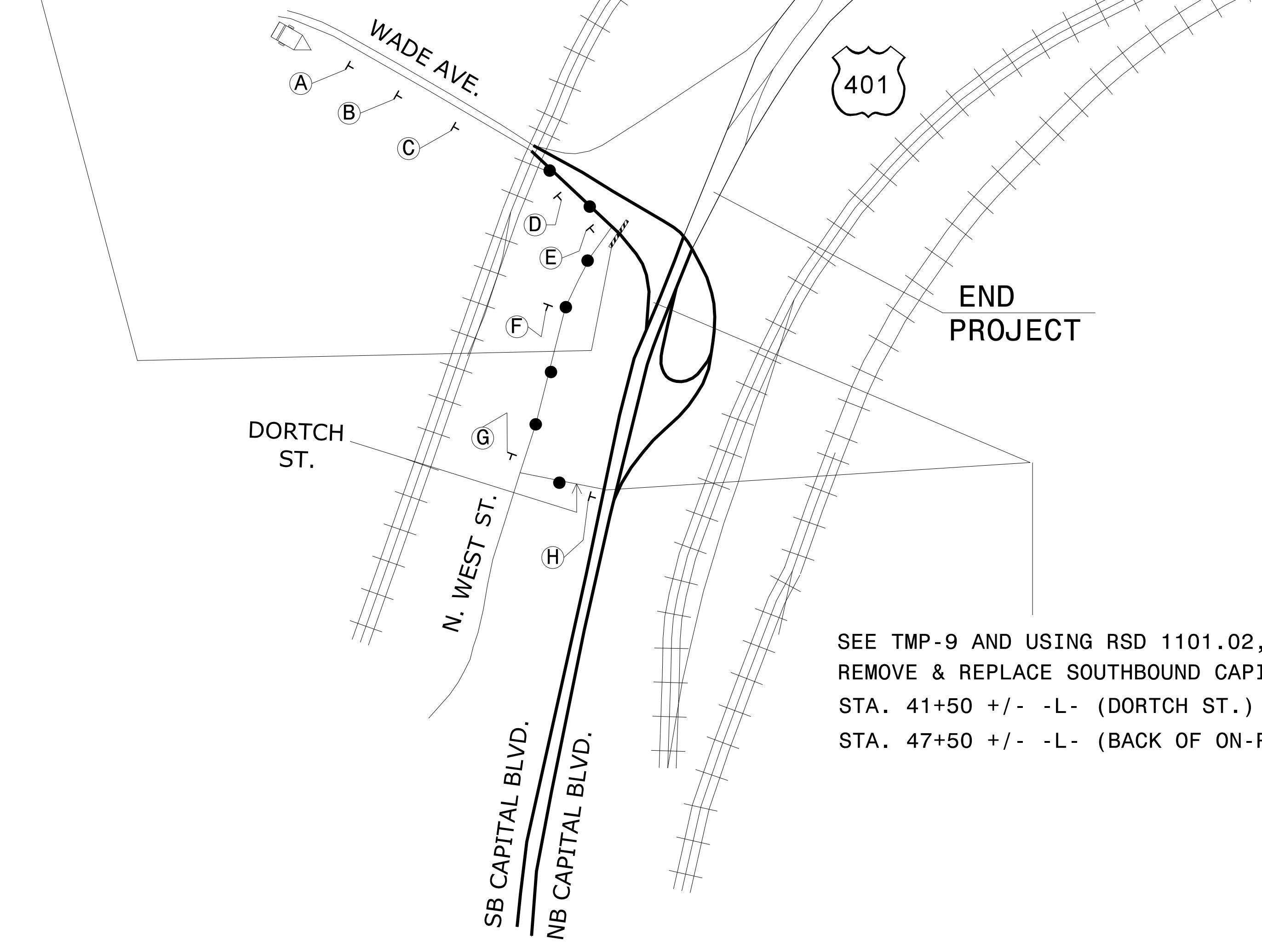
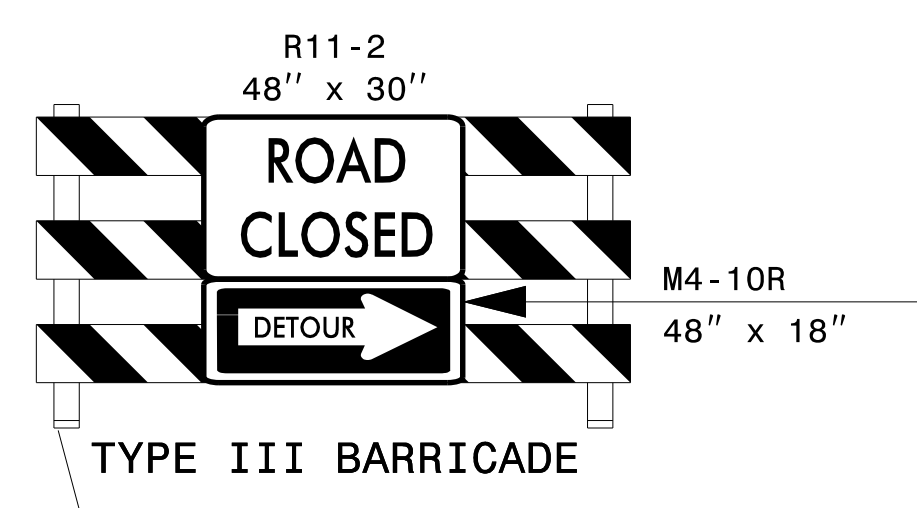
MESSAGE NO. 1	MESSAGE NO. 2
TRAFFIC OFFICER AHEAD	BE PREPARED TO STOP
CHANGEABLE MESSAGE SIGN	

- NOTES: SEE TMP-2B FOR "CAPITAL BLVD" SPECIAL SIGN DESIGN.
- \* SEE RSD 1101.03, SHEET 7 OF 9, TO CLOSE SOUTHBOUND CAPITAL BLVD.
  - \*\* UTILIZE LAW ENFORCEMENT TO CONTROL TRAFFIC AS NECESSARY.

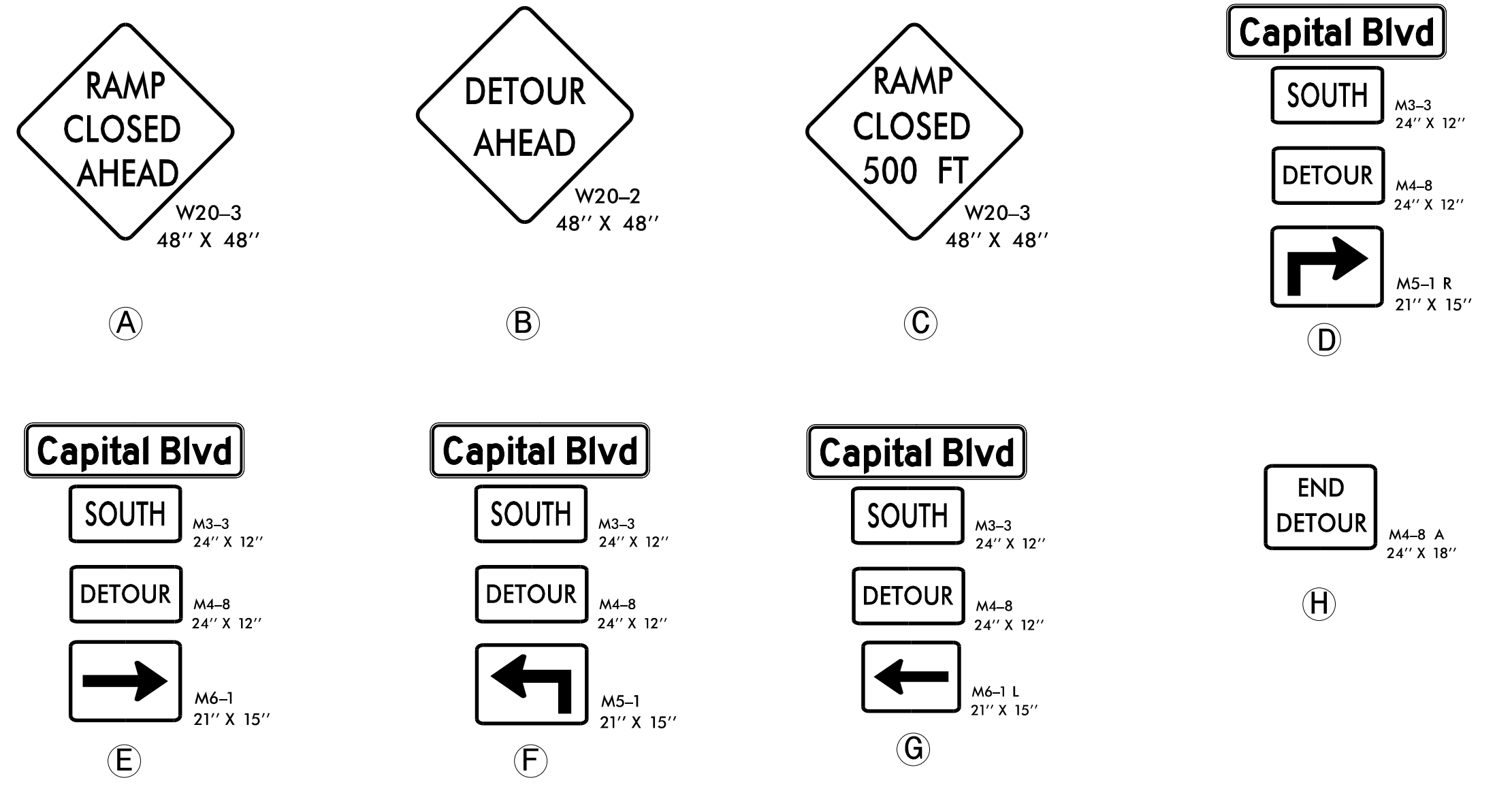


<p>TRANSPORTATION PLANNING/DESIGN - BRIDGE/STRUCTURE DESIGN CIVIL/SITE DESIGN - GIS/GPS - CONSTRUCTION OBSERVATION</p>	<p>1223 Jones Franklin Rd. Raleigh, N.C. 27606 License No. F-0377 Bus: 919 851 8077 Fax: 919 851 8107</p>	<p>DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED</p> <p>APPROVED: _____ DATE: _____</p> <p>SEAL</p>		<p><b>TEMPORARY TRAFFIC CONTROL DETAIL</b></p>
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OFF-SITE DETOUR WHEN ON-RAMP TO SOUTHBOUND CAPITAL BLVD. IS CLOSED FOR WEEKEND PAVEMENT REMOVAL & REPLACEMENT.



**DETOUR SIGNING**



**CHANGEABLE MESSAGE SIGNS (CMS)**

PLACE CMS AS DIRECTED BY THE ENGINEER.

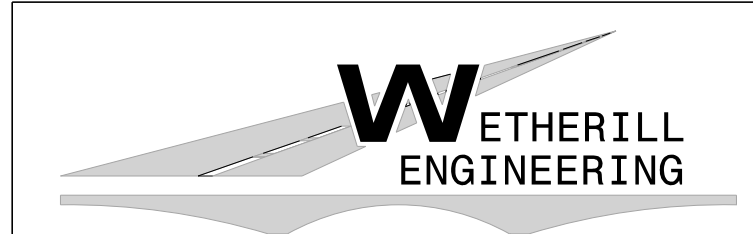
MESSAGE NO. 1	MESSAGE NO. 2
ON-RAMP TO SB CAPITAL	CLOSED FOLLOW DETOUR
CHANGEABLE MESSAGE SIGN	

SEE TMP-9 AND USING RSD 1101.02, SHEET 3 OF 15, REMOVE & REPLACE SOUTHBOUND CAPITAL BLVD. FROM STA. 41+50 +/- -L- (DORTCH ST.) TO STA. 47+50 +/- -L- (BACK OF ON-RAMP GORE AREA).

NOTES: SEE TMP-2B FOR "CAPITAL BLVD" SPECIAL SIGN DESIGN.

**DETOUR ROUTE** ● ● ●

4/12/2016 P:\2014\B-5121\B-5317\TrafficControl\Top\Current TMP Files\LANE'S CURRENT\B5121\B5317\_TC\_TMP\_Wade\_psh17B.dgn User:skennedy



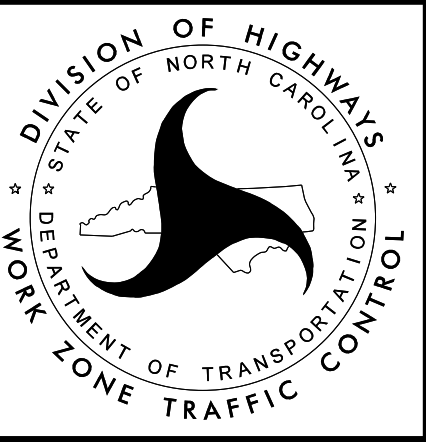
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TRANSPORTATION PLANNING/DESIGN - BRIDGE/STRUCTURE DESIGN  
CIVIL/SITE DESIGN - GIS/GPS - CONSTRUCTION OBSERVATION

**DOCUMENT NOT CONSIDERED FINAL  
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APPROVED: \_\_\_\_\_ DATE: \_\_\_\_\_

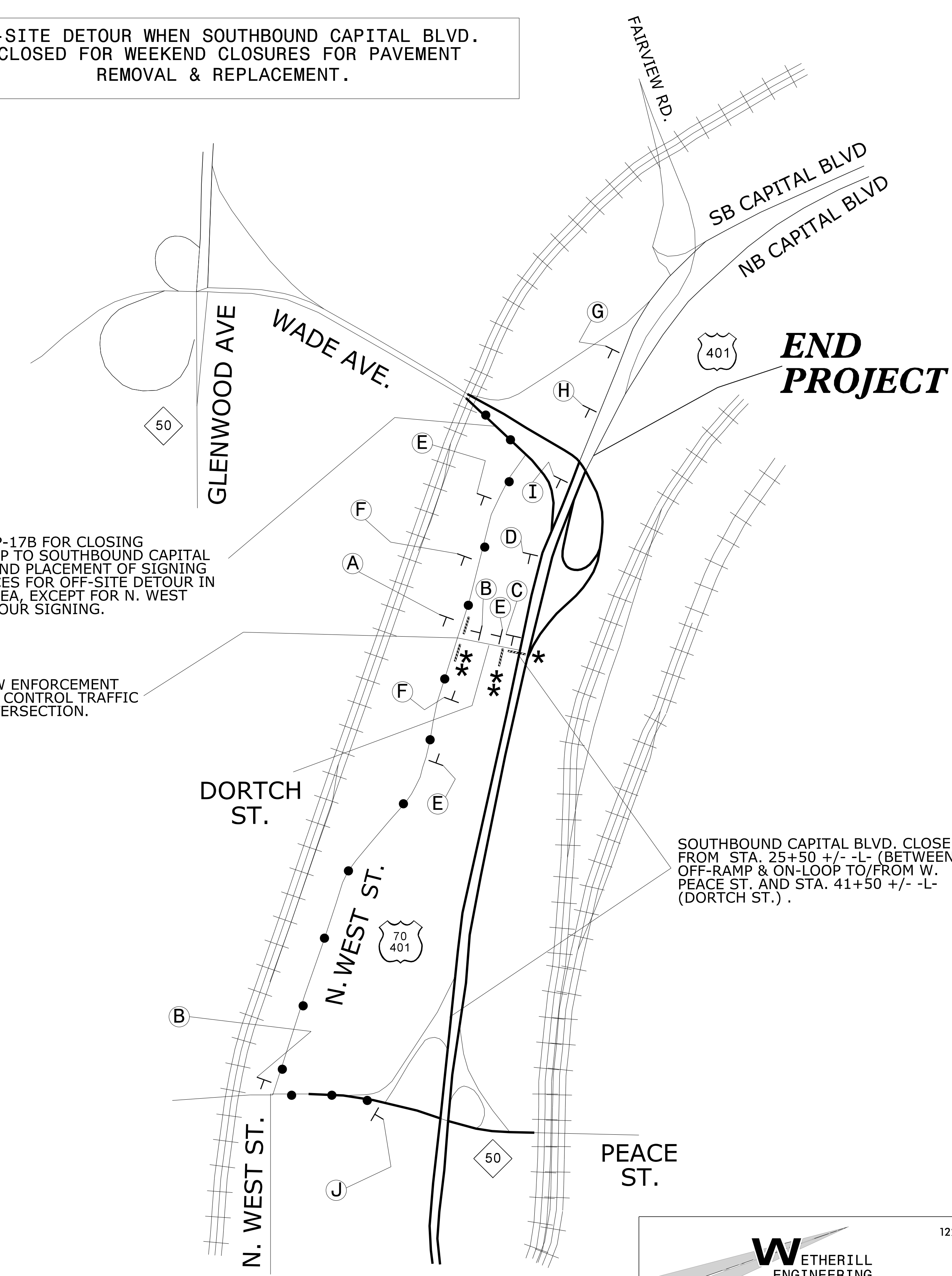
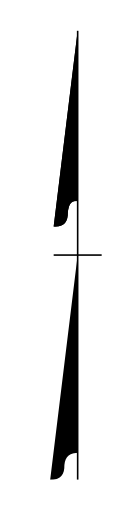
SEAL



**TEMPORARY TRAFFIC CONTROL DETAIL**

OFF-SITE DETOUR WHEN SOUTHBOUND CAPITAL BLVD. IS CLOSED FOR WEEKEND CLOSURES FOR PAVEMENT REMOVAL & REPLACEMENT.

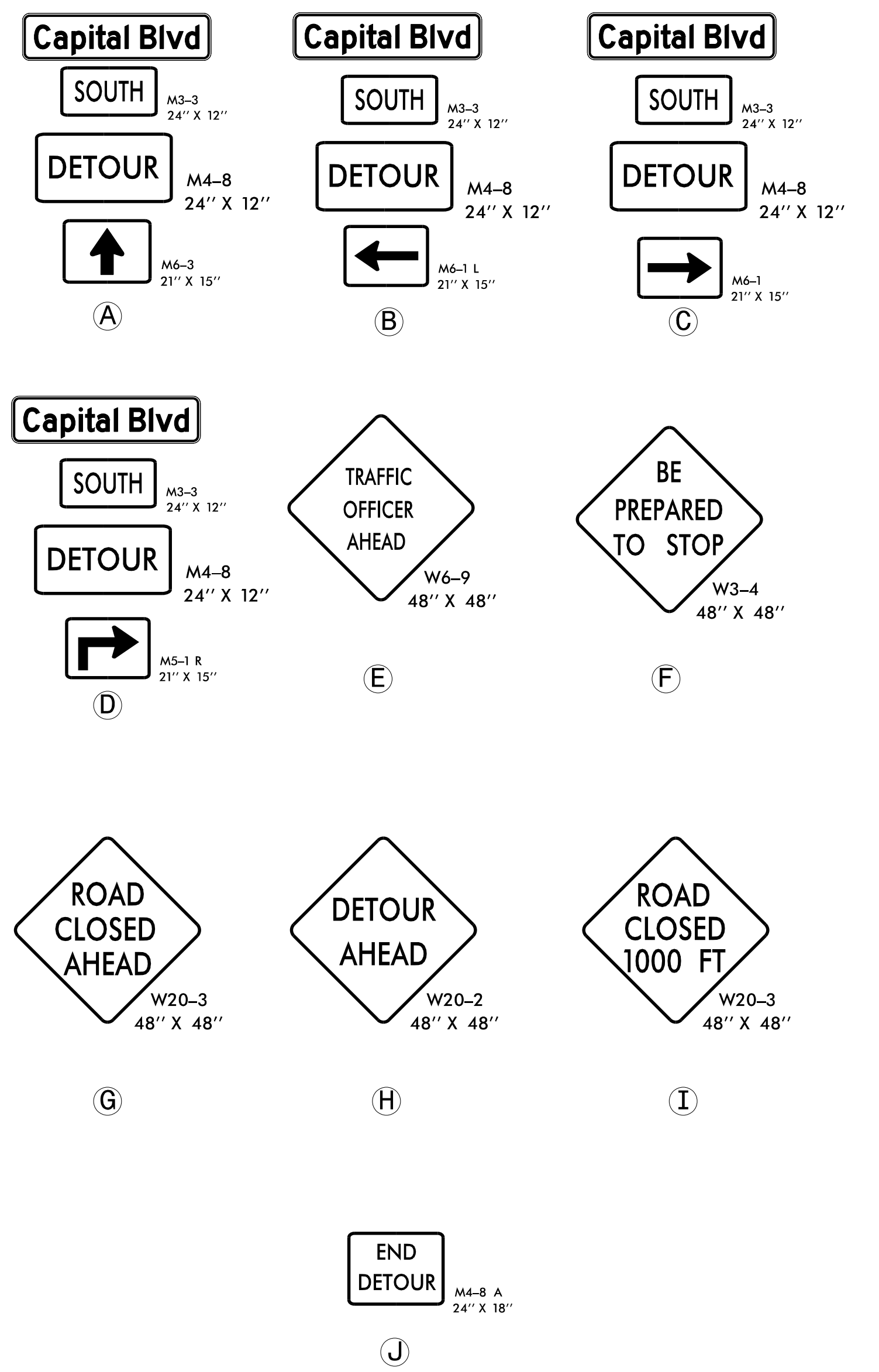
**DETOUR SIGNING**



SEE TMP-17B FOR CLOSING ON-RAMP TO SOUTHBOUND CAPITAL BLVD. AND PLACEMENT OF SIGNING & DEVICES FOR OFF-SITE DETOUR IN THIS AREA, EXCEPT FOR N. WEST ST. DETOUR SIGNING.

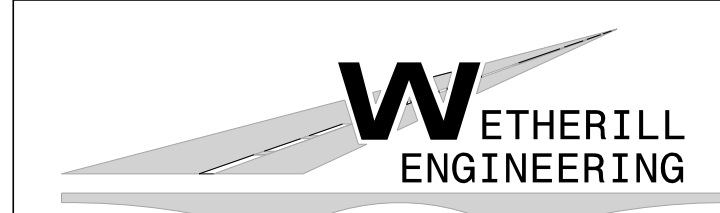
UTILIZE LAW ENFORCEMENT OFFICER TO CONTROL TRAFFIC AT THIS INTERSECTION.

SOUTHBOUND CAPITAL BLVD. CLOSED FROM STA. 25+50 +/- -L- (BETWEEN OFF-RAMP & ON-LOOP TO/FROM W. PEACE ST. AND STA. 41+50 +/- -L- (DORTCH ST.).



- NOTES: SEE TMP-2B FOR "CAPITAL BLVD" SPECIAL SIGN DESIGN.
- \* SEE RSD 1101.03, SHEETS 2 & 7 OF 9, TO CLOSE SOUTHBOUND CAPITAL BLVD. AT DORTCH ST.
  - \*\* SEE RSD 1101.03, SHEET 1 OF 9, FOR TYPE III BARRICADE LOCATIONS WITH ATTACHED SIGNING & ADDITIONAL SIGNING FOR ROAD CLOSURE. USE DRUMS AND TYPE III BARRICADE TO CLOSE EB DORTCH ST. JUST AFTER THE LAST DRIVEWAY TO PARCEL NO. 24.

**DETOUR ROUTE** ● ● ●



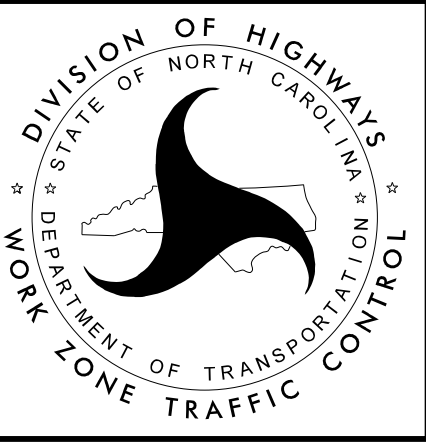
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TRANSPORTATION PLANNING/DESIGN - BRIDGE/STRUCTURE DESIGN  
CIVIL/SITE DESIGN - GIS/GPS - CONSTRUCTION OBSERVATION

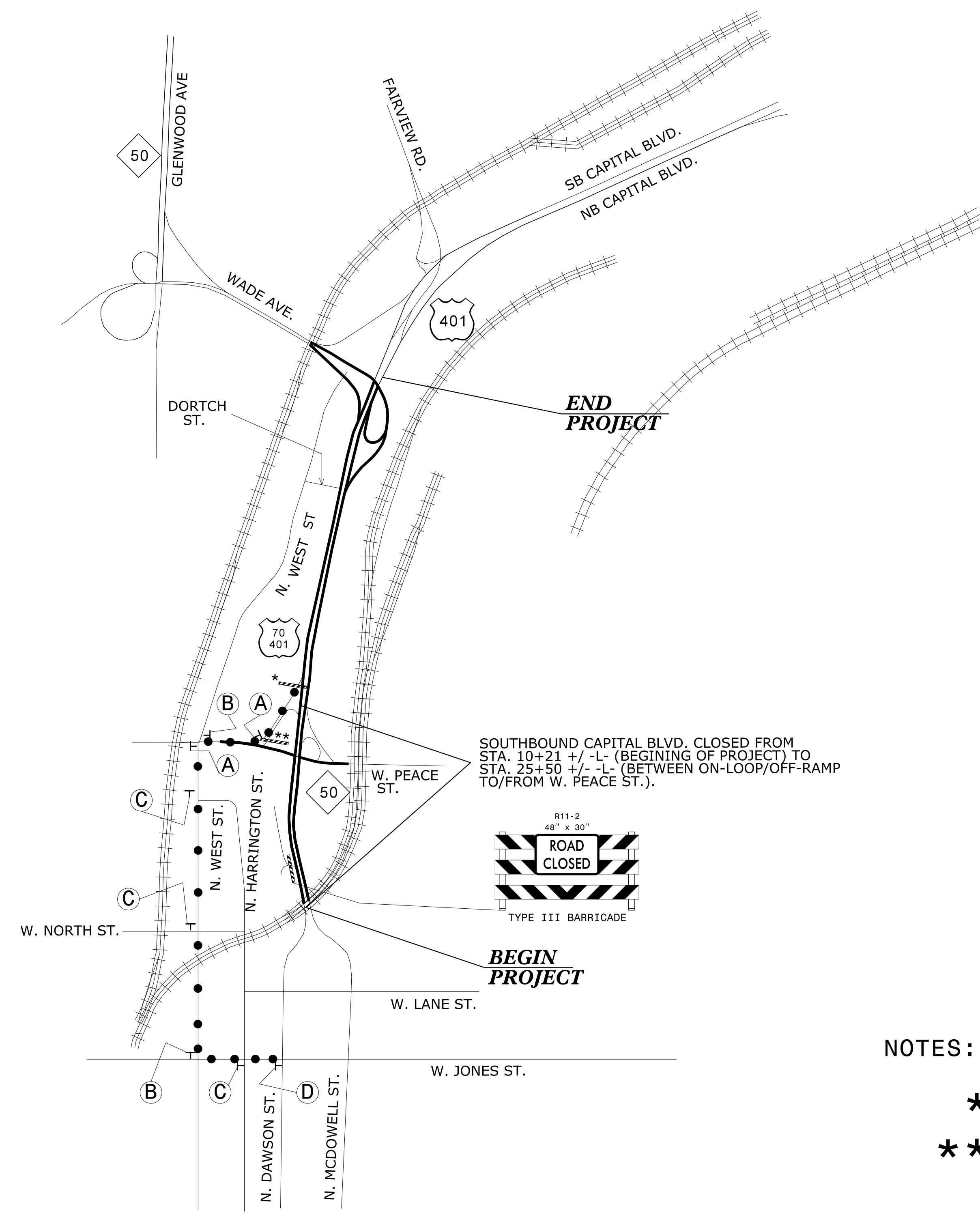
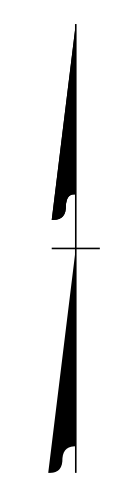
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UNLESS ALL SIGNATURES COMPLETED**

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

SEAL

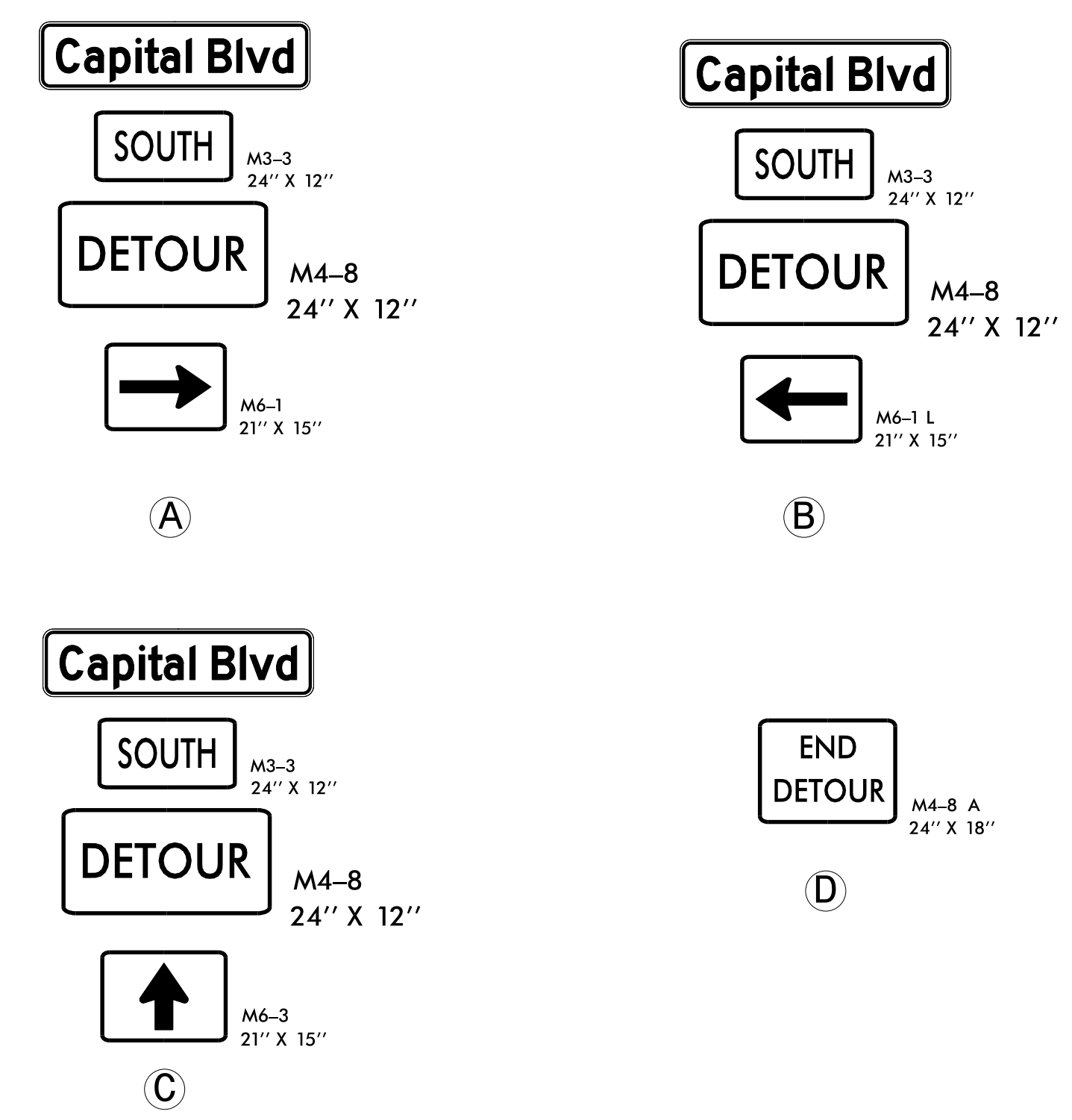


**TEMPORARY TRAFFIC CONTROL DETAIL**



OFF-SITE DETOUR WHEN SOUTHBOUND CAPITAL BLVD. IS CLOSED FOR WEEKEND CLOSURES FOR PAVEMENT REMOVAL & REPLACEMENT.

**DETOUR SIGNING**



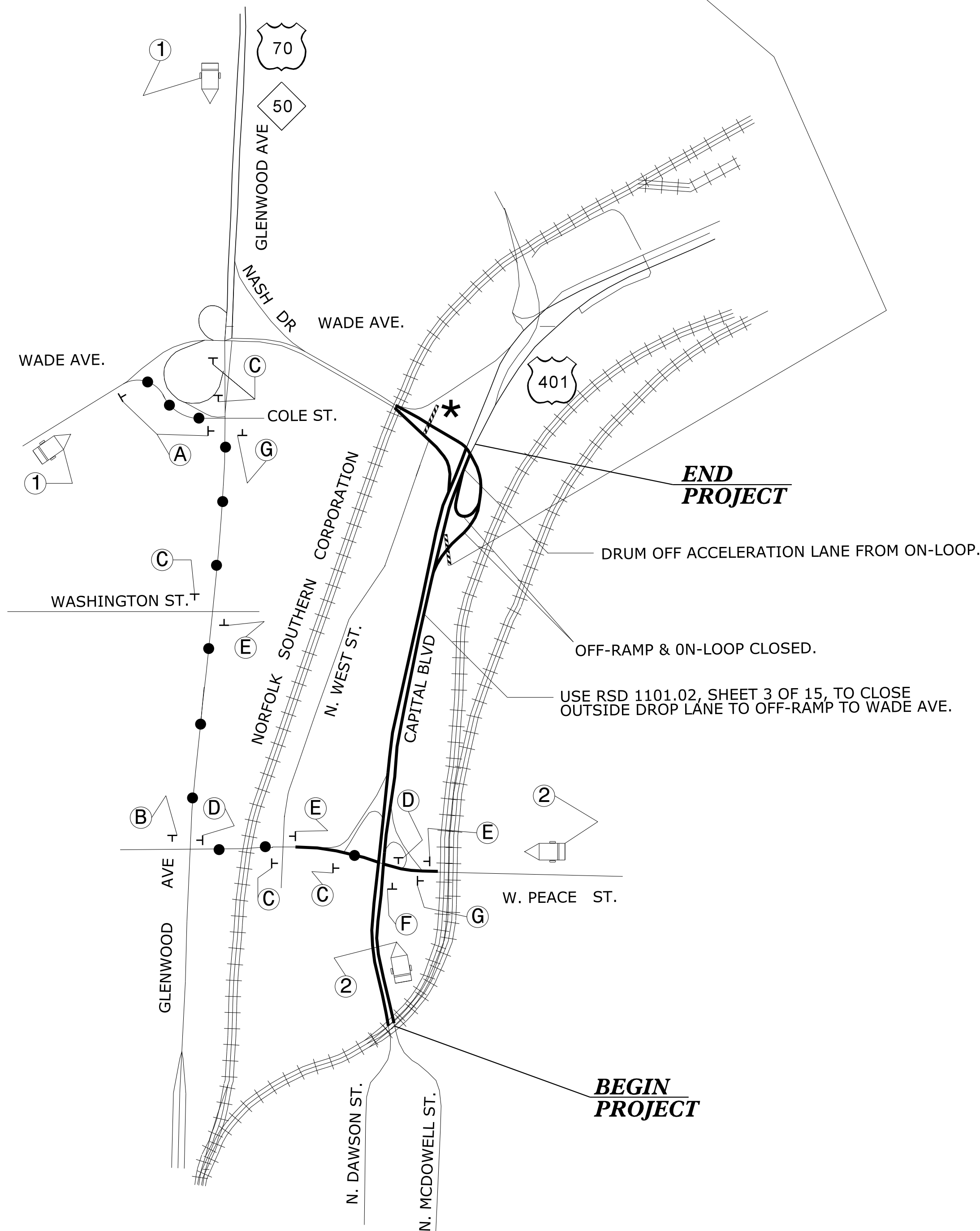
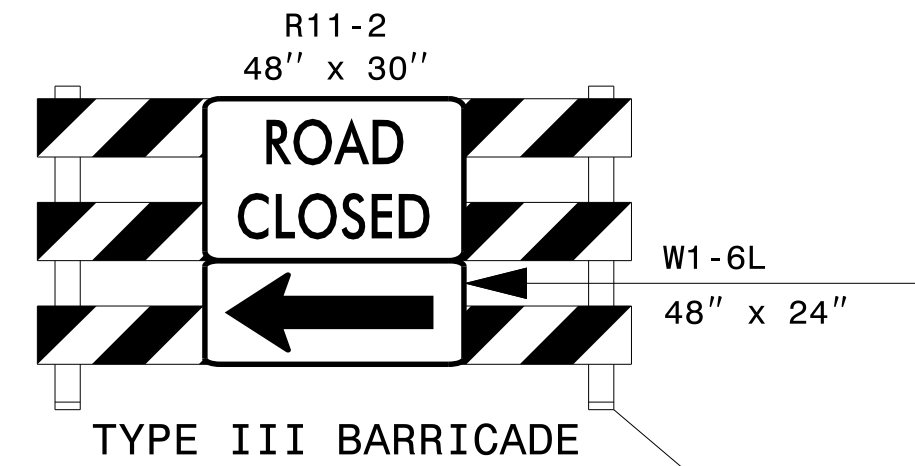
NOTES: SEE TMP-2B FOR "CAPITAL BLVD" SPECIAL SIGN DESIGN.

- \* SEE RSD 1101.03, SHEET 7 OF 9, TO CLOSE SOUTHBOUND CAPITAL BLVD.
- \*\* SEE RSD 1101.03, SHEET 2 OF 9, FOR TYPE III BARRICADE LOCATIONS WITH ATTACHED SIGNING & ADDITIONAL SIGNING FOR ROAD CLOSURE.

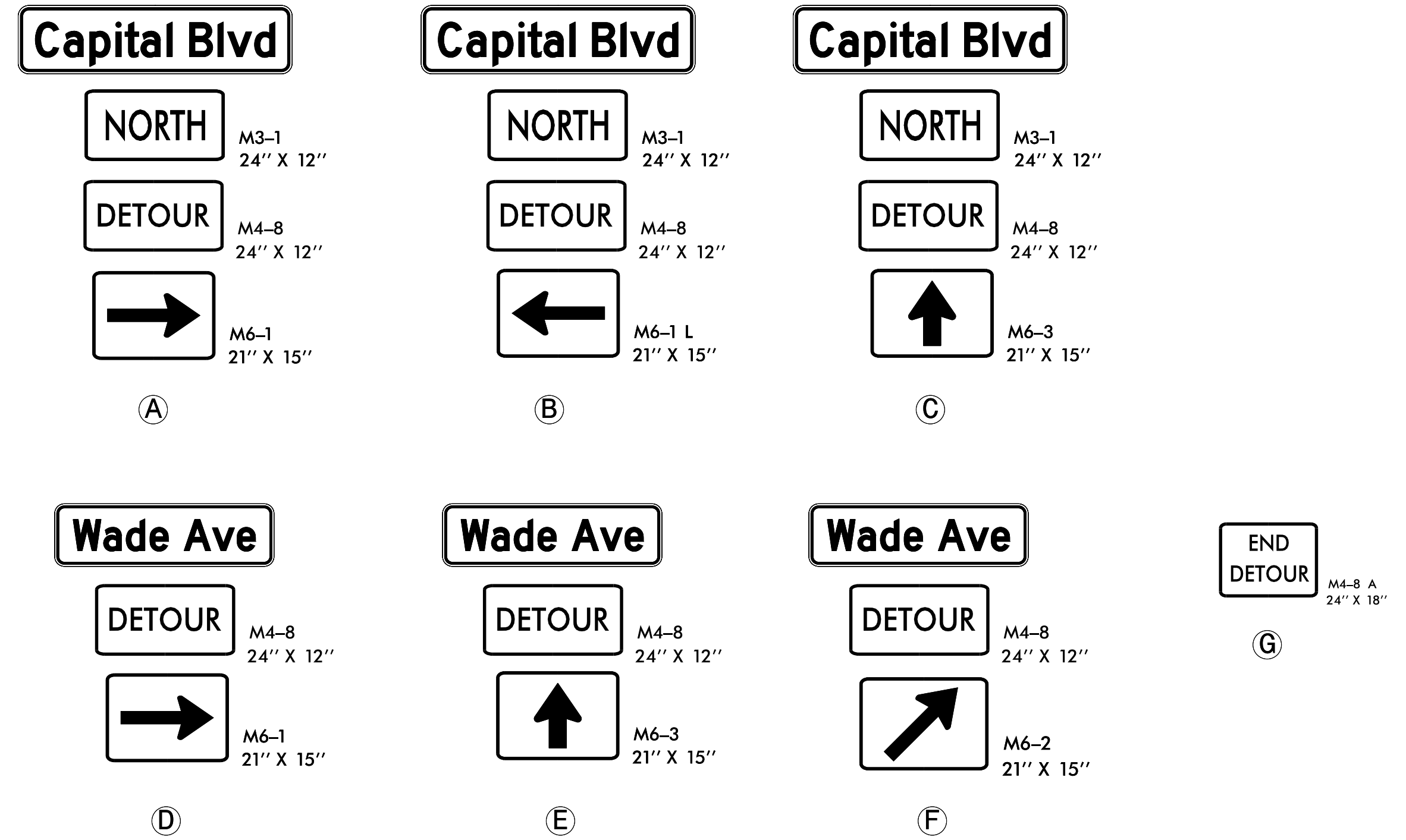


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	<p><b>DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED</b></p>		

OFF-SITE DETOURS FOR NORTHBOUND CAPITAL BLVD.  
OFF-RAMP/FLYOVER TO WADE AVE. & WADE AVE. ON-LOOP  
TO NORTHBOUND CAPITAL BLVD. ARE CLOSED FOR CONSTRUCTION  
OF PROPOSED OFF-RAMP & PROPOSED ON-LOOP UNDER AN ICT AND  
FOR WEEKEND CLOSURES FOR PAVEMENT REMOVAL & REPLACEMENT,  
AS REQUIRED.



DETOUR SIGNING



CHANGEABLE MESSAGE SIGNS (CMS)

PLACE CMS AS DIRECTED BY THE ENGINEER.

MESSAGE NO. 1	MESSAGE NO. 2
ON-LOOP TO NORTH CAPITAL	CLOSED FOLLOW DETOUR
CHANGEABLE MESSAGE SIGN	

①

MESSAGE NO. 1	MESSAGE NO. 2
OFF-RAMP TO WADE CLOSED	FOLLOW DETOUR
CHANGEABLE MESSAGE SIGN	

②

NOTES: SEE TMP-2B FOR "CAPITAL BLVD" & TMP-2E FOR "WADE AVE" SPECIAL SIGN DESIGNS.

\* SEE RSD 1101.03, SHEET 2 OF 9, TO CLOSE ON-LOOP TO NORTHBOUND CAPITAL BLVD.

DETOUR ROUTE ●—●—●

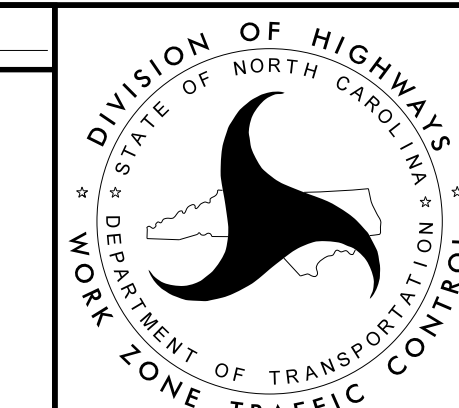
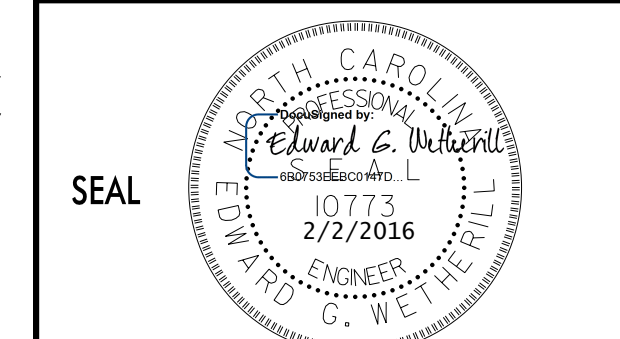


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CIVIL/SITE DESIGN - GIS/GPS - CONSTRUCTION OBSERVATION

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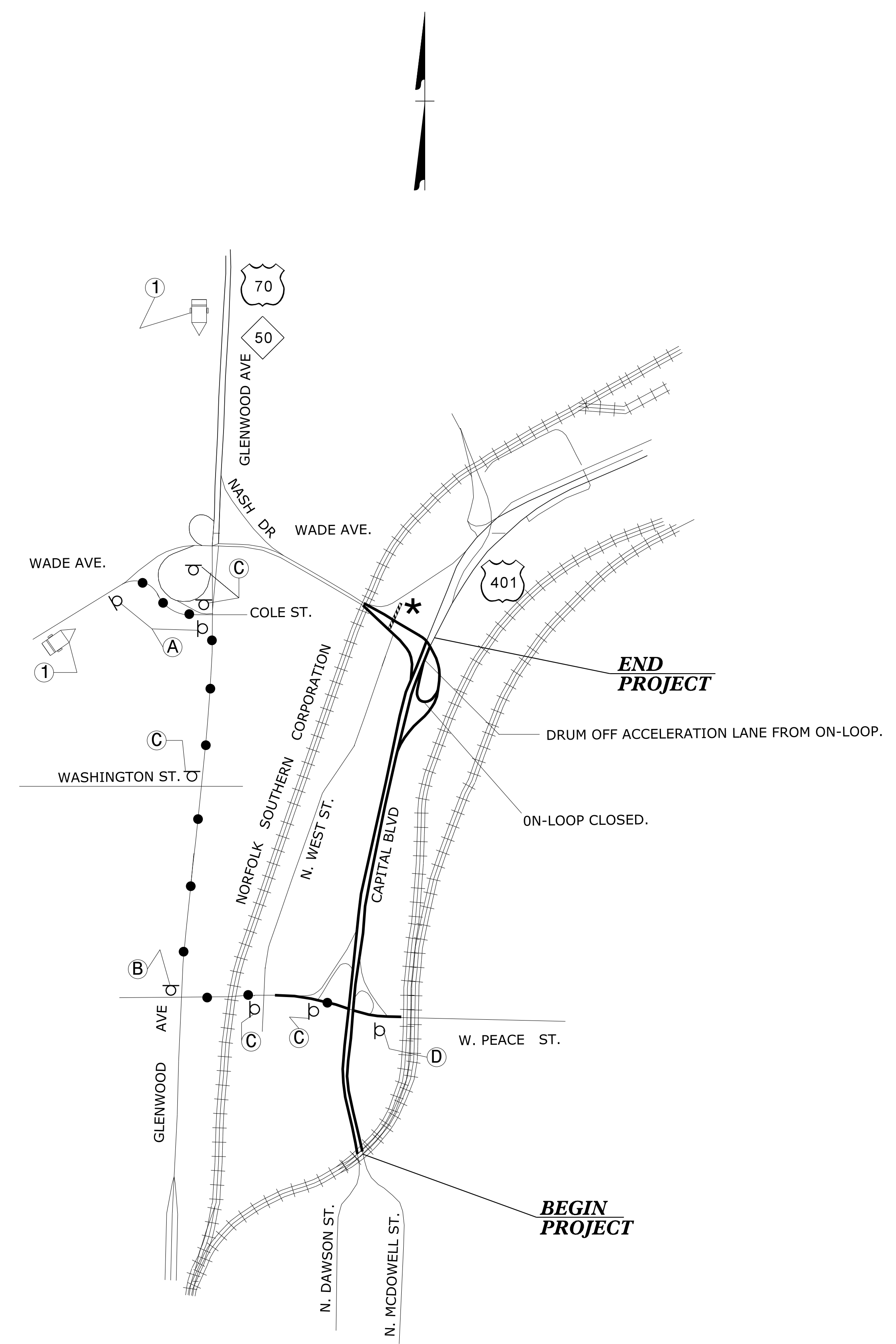
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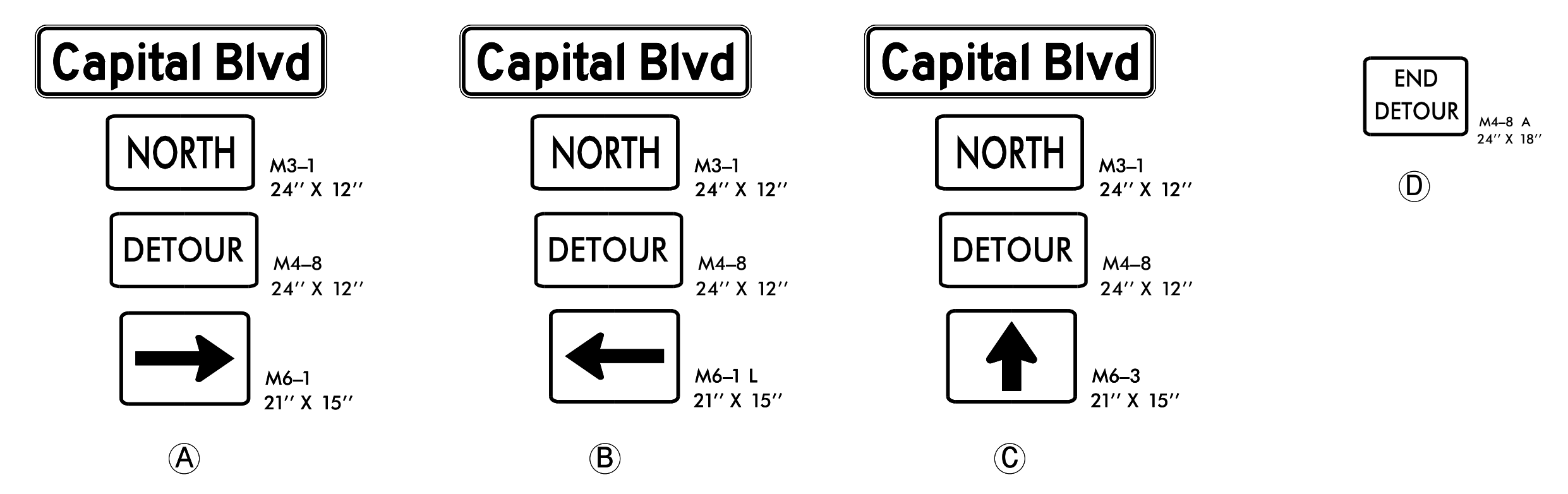
TEMPORARY TRAFFIC CONTROL DETAIL



OFF-SITE DETOUR FOR WADE AVE. ON-LOOP TO NORTHBOUND CAPITAL BLVD. IS CLOSED FOR NIGHTTIME BRIDGE WORK AND WEEKEND PAVEMENT REMOVAL & REPLACEMENT.



**DETOUR SIGNING**



**CHANGEABLE MESSAGE SIGNS (CMS)**

PLACE CMS AS DIRECTED BY THE ENGINEER.

MESSAGE NO. 1	MESSAGE NO. 2
ON-LOOP TO NORTH CAPITAL	CLOSED FOLLOW DETOUR
CHANGEABLE MESSAGE SIGN	
①	

NOTES: SEE TMP-2B FOR "CAPITAL BLVD" SPECIAL SIGN DESIGN.

\* SEE RSD 1101.03, SHEET 2 OF 9, TO CLOSE ON-LOOP TO NORTHBOUND CAPITAL BLVD.

**DETOUR ROUTE** ● ● ●

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TRANSPORTATION PLANNING/DESIGN - BRIDGE/STRUCTURE DESIGN  
CIVIL/SITE DESIGN - GIS/GPS - CONSTRUCTION OBSERVATION

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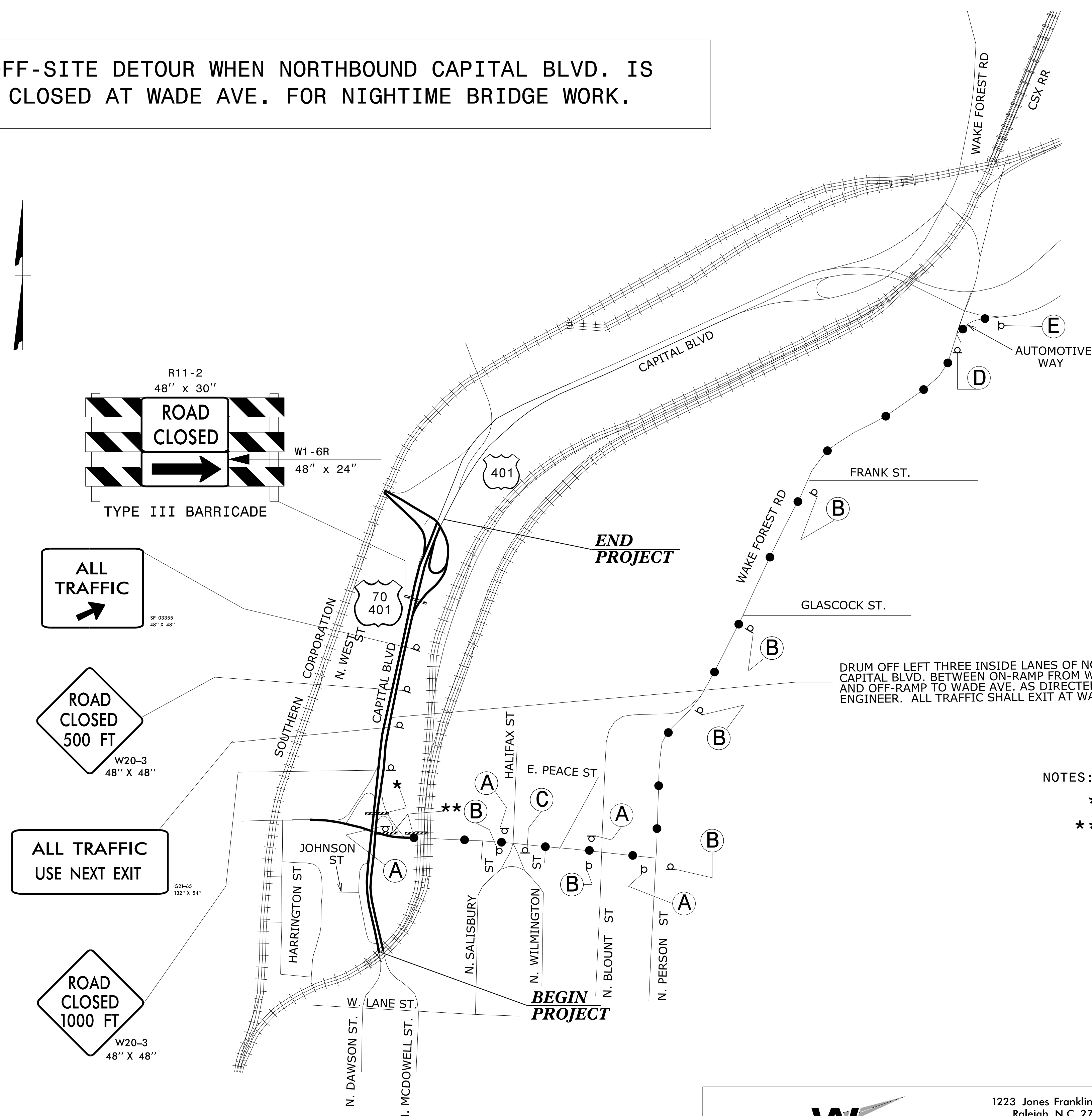
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SEAL

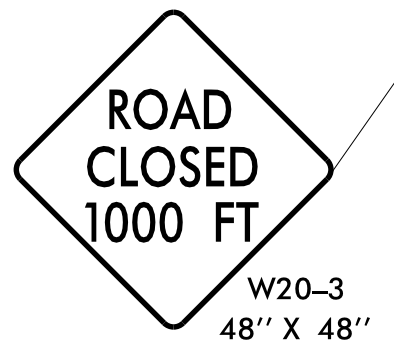
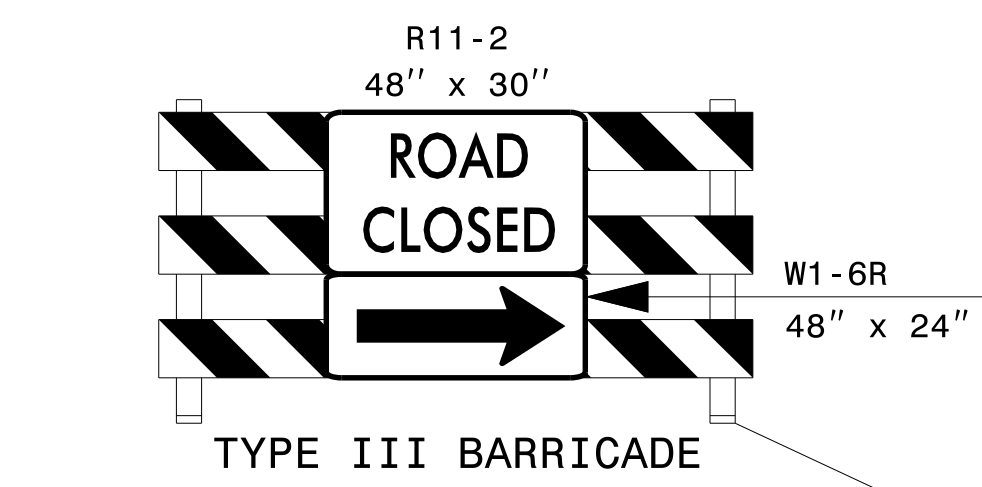
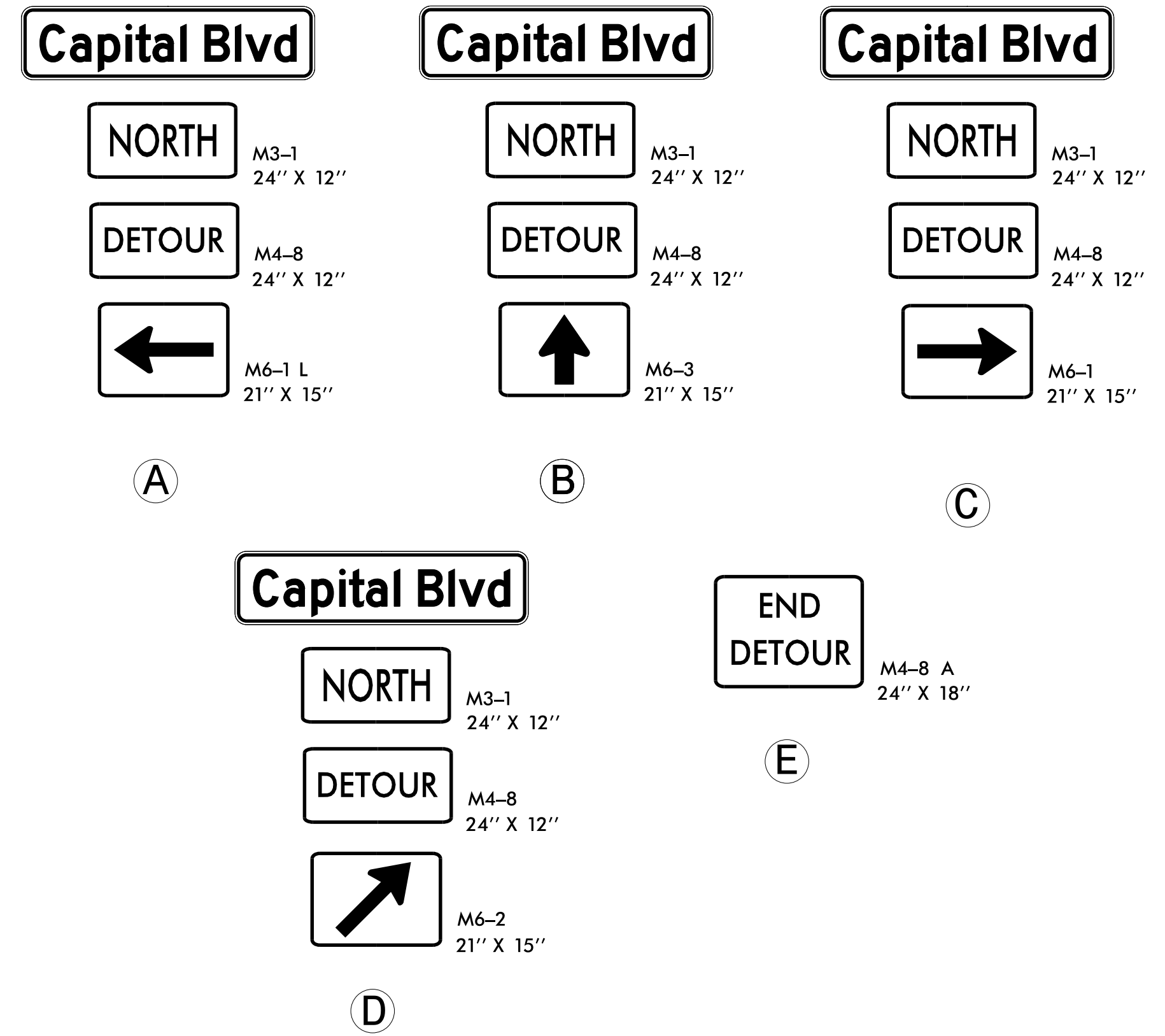
DIVISION OF HIGHWAYS  
STATE OF NORTH CAROLINA  
DEPARTMENT OF TRANSPORTATION  
WORK ZONE TRAFFIC CONTROL

**TEMPORARY TRAFFIC CONTROL DETAIL**

OFF-SITE DETOUR WHEN NORTHBOUND CAPITAL BLVD. IS CLOSED AT WADE AVE. FOR NIGHTTIME BRIDGE WORK.



DETOUR SIGNING



DRUM OFF LEFT THREE INSIDE LANES OF NORTHBOUND CAPITAL BLVD. BETWEEN ON-RAMP FROM W. PEACE ST. AND OFF-RAMP TO WADE AVE. AS DIRECTED BY THE ENGINEER. ALL TRAFFIC SHALL EXIT AT WADE AVE.

- NOTES: SEE TMP-2B FOR "CAPITAL BLVD" SPECIAL SIGN DESIGN.  
 \* SEE RSD 1101.03, SHEET 7 OF 9, TO CLOSE NORTHBOUND CAPITAL BLVD.  
 \*\* SEE RSD 1101.03, SHEET 1 OF 9, FOR TYPE III BARRICADE LOCATIONS WITH ATTACHED SIGNING & ADDITIONAL SIGNING FOR ROAD CLOSURE.



DOCUMENT NOT CONSIDERED FINAL  
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APPROVED: \_\_\_\_\_ DATE: \_\_\_\_\_

TEMPORARY TRAFFIC CONTROL DETAIL

PHASE I

THIS PROJECT IS DIVIDED INTO TWO AREAS (SEE TMP-3) AS FOLLOWS:

AREA I: ALL OF CAPITAL BLVD. (-L-) PAVEMENT REMOVAL & REPLACEMENT AND CAPITAL BLVD. (-L-) FROM STA. 28+50 +/- -L- TO STA. 53+06 +/- -L-.

AREA II: CAPITAL BLVD. (-L-) FROM STA. 10+21 +/- -L- TO STA. 28+50 +/- -L-.

THE FOLLOWING NOTES APPLY TO BOTH AREAS:

NOTE: ANY SUBSURFACE WORK, INCLUDING, BUT NOT LIMITED TO UTILITIES, DRAINAGE, ETC., SHALL BE COMPLETED PRIOR TO REMOVAL OF EXISTING PAVEMENT ALONG CAPITAL BLVD. (-L-) AND ALL -Y- LINES.

NOTE: ALL CAPITAL BLVD. (-L-) PAVEMENT SHALL BE REMOVED & REPLACED IN AREA I, PHASE I, STEP 2 & STEP 3 AND SHALL BE COMPLETED DURING AREA II, PHASE III, STEP 3.

NOTE: PROPOSED WIDENING OF SOUTHBOUND CAPITAL (-L-) FROM STA. 28+50 +/- -L- TO STA. 41+50 +/- -L- SHALL BE CONSTRUCTED IN AREA I, PHASE I, STEP 4 AND SHALL BE COMPLETED DURING AREA II, PHASE III, STEP 3.

NOTE: THE CONTRACTOR MAY WORK IN BOTH AREAS AT THE SAME TIME, AS DEFINED BY THE SPECIAL PROVISION.

AREA II  
(STA. 10+21 +/- -L- TO STA. 28+50 +/- -L-)

THE FOLLOWING NOTE IS APPLICABLE FOR AREA II.

NOTE: AS DIRECTED/APPROVED BY THE ENGINEER FOR DRAINAGE STRUCTURES/PIPES & UTILITIES INSTALLATION THAT CAN NOT BE ACCOMPLISHED BY LANE CLOSURES, W. PEACE ST. (-Y1-) MAY BE CLOSED UTILIZING OFF-SITE DETOURS AS SHOWN ON SHEETS TMP-46A & TMP-46C OR SHEETS TMP-46B & TMP-46D AND GENERAL NOTE "C" ON TMP-1B.

NOTE: BEFORE BEGINNING CONSTRUCTION THE CONTRACTOR SHALL:

- PLACE ADVANCE WORK ZONE WARNING SIGNS ALONG W. PEACE ST. (-Y1-) AND ALL -Y- LINES (SEE ROADWAY STANDARD DRAWINGS NO. 1101.01, SHEET 3 OF 3).
- INSTALL CHANGEABLE MESSAGE SIGNS (CMS) ON W. PEACE ST. (-Y1-) AS DIRECTED BY THE ENGINEER. THESE CHANGEABLE MESSAGE SIGNS ARE TO BE UTILIZED TO INFORM & ALERT THE TRAVELING PUBLIC TO TRAFFIC CONDITIONS AND MAY BE UTILIZED FOR TRAFFIC CONTROL OPERATIONS DURING CONSTRUCTION AS DIRECTED BY THE ENGINEER.

CONTRACTOR MAY WORK AREA II, PHASE I, STEP 1 AND STEP 2 SIMULTANEOUSLY.

STEP 1: - USING ROADWAY STANDARD DRAWING NO. 1101.02, SHEETS 1, 2, 3, 6, 8, 9 & 10 OF 15:

- RELOCATE/REMOVE THREE (3) EXISTING CAT/BUS STOPS ALONG W. PEACE ST. (-Y1-) AS DIRECTED BY THE ENGINEER.
- CLOSE EXISTING W. JOHNSON ST./SERVICE ROAD (-Y3-) AT STA. 13+00 +/- -Y3- AND CLOSE EXISTING W. JOHNSON ST. (-Y5-) AT THE INTERSECTIONS WITH SB CAPITAL BLVD. (-L-) & N. HARRINGTON ST. (-Y6-) (SEE ROADWAY STANDARD DRAWING NO. 1101.03, SHEET 2 OF 9 AND SHEETS TMP-19 & TMP-46).

CONSTRUCT PROPOSED W. JOHNSON STREET (-Y5-), N. HARRINGTON ST. (-Y6-), W. JOHNSON ST. (-Y7-), W. JOHNSON ST./SERVICE RD. (-Y3-), PROPOSED DRIVEWAY -DR1- AND PROPOSED DRIVEWAY RIGHT OF STA. 11+50 +/- -Y5- UP TO, BUT NOT INCLUDING THE FINAL LAYER OF SURFACE COURSE (SEE ROADWAY PLANS AND SHEETS TMP-19 & TMP-22).

- CONSTRUCT/INSTALL PROPOSED/TEMPORARY SIGNAL (BUT DO NOT ACTIVATE) AT THE INTERSECTION OF PROPOSED W. PEACE ST. (-Y1-) AND PROPOSED N. HARRINGTON ST. (-Y6-)(SEE SIGNAL PLANS AND SHEET TMP-26).

- BEGIN CONSTRUCTION OF PROPOSED SOUTHBOUND CAPITAL BLVD. (-L-) (INCLUDING TEMPORARY PAVEMENT & WITHOUT SIDEWALKS) AND STAGE I OF PROPOSED BRIDGE (WITHOUT SIDEWALKS AND PEDESTRIAN WALL) FROM STA. 14+80 +/- -L- TO STA. 24+00 +/- -L-, UP TO, BUT NOT INCLUDING THE FINAL LAYER OF SURFACE COURSE (SEE ROADWAY PLANS, STRUCTURE PLANS AND SHEETS TMP-19 & TMP-20).

NOTE: CONSTRUCT PROPOSED DRAINAGE, CROSS DRAINAGE & PROPOSED DRAINAGE IN MEDIAN AS MUCH AS POSSIBLE, UTILIZING STEEL PLATES AS APPROVED BY THE ENGINEER.

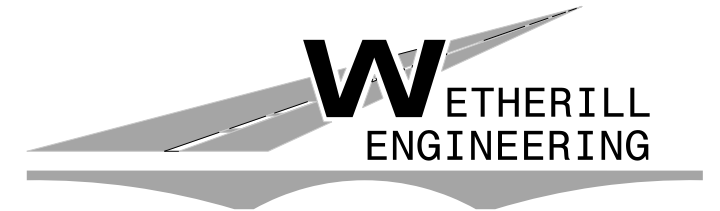
NOTE: UTILIZE TEMPORARY SHORING, TEMPORARY 2:1 SLOPES AND/OR WEDGING OVER EXISTING AS REQUIRED DURING CONSTRUCTION.

NOTE: FOR GIRDER INSTALLATION, CLOSE W. PEACE ST. (-Y1-) BETWEEN EXISTING ON-LOOP/OFF-LOOP TO/FROM CAPITAL BLVD. (-L-). SEE SHEETS TMP-46A & TMP-46C FOR OFF-SITE DETOURS AND GENERAL NOTE "C" ON TMP-1B FOR TIME RESTRICTIONS.

- BEGIN CONSTRUCTION OF PROPOSED SOUTHBOUND CAPITAL BLVD. (-L-) WIDENING UP TO, BUT NOT INCLUDING THE FINAL SURFACE COURSE FROM STA. 10+21 +/- -L- TO STA. 14+80 +/- -L- (SEE ROADWAY PLANS AND SHEET TMP-19).

NOTE: EXISTING SIDEWALK ALONG SOUTHBOUND CAPITAL BLVD. (-L-) SHALL BE CLOSED. SEE PEDESTRIAN OFF-SITE DETOUR ON SHEET TMP-46F.


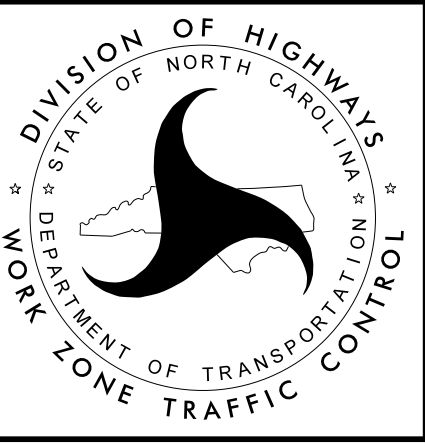
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AREA II PHASING

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-- BEGIN CONSTRUCTION OF PROPOSED OFF-RAMP -Y1RPC-:

- A. CLOSE EXISTING W. JOHNSON ST./SERVICE RD. AT STA. 14+25 +/- -Y1RPC- AND EXISTING NORTH EXIT RIGHT OF STA. 19+00 +/- -L- (SEE SHEETS TMP-19 & TMP-20).

NOTE: UTILIZE SOUTH ENTRANCE TO MAINTAIN ACCESS TO W. JOHNSON ST./SERVICE RD. AND W. JOHNSON ST. (-Y4-) AS DIRECTED BY THE ENGINEER DURING CONSTRUCTION.

NOTE: EXISTING SIDEWALK ALONG NORTHBOUND CAPITAL BLVD. (-L-) SHALL BE CLOSED. SEE PEDESTRIAN OFF-SITE DETOUR ON SHEET TMP-46F.

- B. BEGIN CONSTRUCTION (USING TEMPORARY SHORING) PROPOSED OFF-RAMP -Y1RPC- FROM STA. 14+25 +/- -Y1RPC- TO STA. 18+70 +/- -Y1RPC- UP TO, BUT NOT INCLUDING THE FINAL LAYER OF SURFACE COURSE (SEE ROADWAY PLANS AND SHEETS TMP-19 & TMP-20).

BEGIN CONSTRUCTION OF PROPOSED OFF-RAMP -Y1RPC- FROM STA. 10+21 +/- -L- TO STA. 14+25 +/- -Y1RPC- AND PROPOSED W. JOHNSON ST. (-Y4-). SINCE THIS SECTION OF ROADWAY IS IN A CUT AND THERE IS NO OUTLET, THE CONTRACTOR SHALL, AS DIRECTED BY THE ENGINEER & USING ROADWAY STANDARD DRAWING NO. 1101.02, SHEETS 1 & 10 OF 15, CONSTRUCT PROPOSED ROADWAY UP TO, BUT NOT INCLUDING THE FINAL LAYER OF SURFACE COURSE. PLACE TEMPORARY PAVEMENT MARKINGS/MARKERS AND OPEN TO TRAFFIC (SEE ROADWAY PLANS AND SHEET TMP-19).

NOTE: UTILIZE TEMPORARY PAVEMENT MARKINGS/MARKERS AND/OR DRUMS TO DELINEATE TRAVEL WAY DURING CONSTRUCTION.

-- BEGIN CONSTRUCTION OF RIGHT SIDE OF PROPOSED W. PEACE ST. (-Y1-) AS MUCH AS POSSIBLE UP TO, BUT NOT INCLUDING THE FINAL LAYER OF SURFACE COURSE FROM STA. 19+75 +/- -Y1- TO STA. 23+20 +/- (NOT INCLUDING PROPOSED CONCRETE MONOLITHIC ISLANDS) (SEE ROADWAY PLANS AND SHEET TMP-20).

NOTE: REMOVE EXISTING CONCRETE ISLANDS ON W. PEACE ST. (-Y1-) FROM STA. 21+40 +/- -Y1- TO STA. 23+20 +/- -Y1-, REPAIR EXISTING PAVEMENT (IF REQUIRED) AND INSTALL TUBULAR MARKERS TO MAINTAIN EXISTING TRAFFIC PATTERN (SEE SHEET TMP-20).

-- BEGIN CONSTRUCTION/INSTALLATION OF PROPOSED/TEMPORARY SIGNAL (BUT DO NOT ACTIVATE) AT THE INTERSECTION OF PROPOSED OFF-RAMP -Y1RPC- AND W. PEACE ST. (-Y1-) (SEE SIGNAL PLANS AND SHEET TMP-28).

STEP 2: - CONSTRUCTION OF PROPOSED W. PEACE ST. (-Y1-) FROM STA. 12+15 +/- -Y1- TO STA. 18+75 +/- -Y1-.

- A. USING ROADWAY STANDARD DRAWING NOS. 1101.02, SHEET 8 OF 15, CONSTRUCT TEMPORARY PAVEMENT RIGHT SIDE OF W. PEACE ST. (-Y1-) UP TO THE EDGE AND ELEVATION OF EXISTING (SEE ROADWAY PLANS AND SHEET TMP-22).

NOTE: EXISTING SIDEWALK ALONG EB W. PEACE ST. (-Y1-) SHALL BE CLOSED AND PEDESTRIANS SHALL BE DETOURED TO THE EXISTING SIDEWALK ALONG WB PEACE ST. (-Y1-)(SEE SHEETS TMP-20 & TMP-22).

CONTRACTOR SHALL WORK IN A CONTINUOUS MANNER TO COMPLETE THE WORK IN AREA II, PHASE I, STEPS 2B THRU 2F. (SEE INTERMEDIATE CONTRACT TIME AND SPECIAL PROVISIONS).

- B. USING ROADWAY STANDARD DRAWING NOS. 1101.02, SHEETS 3 & 8 OF 15:

1. REMOVE EXISTING PAVEMENT MARKINGS AND PLACE TEMPORARY PAVEMENT MARKINGS/MARKERS AND SHIFT W. PEACE ST. (-Y1-) TO A TEMPORARY TWO-WAY, THREE-LANE TRAFFIC PATTERN (SEE SHEET TMP-22A).

2. INSTALL WATER FILLED BARRIER AND TEMPORARY SHORING AS SHOWN ON SHEET TMP-22A.

3. DIRECT PEDESTRIANS TO EXISTING/TEMPORARY SIDEWALK ALONG EB W. PEACE ST. (-Y1-) AND CLOSED SIDEWALK ALONG WB PEACE ST. (-Y1-)(SEE SHEETS TMP-22A & TMP-22B).

- C. USING ROADWAY STANDARD DRAWING NOS. 1101.02, SHEETS 1 & 2 OF 15, AS REQUIRED, CONSTRUCT STAGE I OF PROPOSED CULVERT AT STA. 15+00 +/- -Y1- AND LEFT SIDE OF PROPOSED W. PEACE ST. (-Y1-)(INCLUDING PROPOSED DRAINAGE, PROPOSED CURB & GUTTER & PROPOSED SIDEWALK) FROM STA. 12+15 +/- -Y1- TO STA. 16+40 +/- -Y1-, UP TO, BUT NOT INCLUDING THE FINAL LAYER OF SURFACE COURSE (SEE ROADWAY PLANS AND SHEETS TMP-22A & TMP-22B).

- D. USING ROADWAY STANDARD DRAWING NOS. 1101.02, SHEET 2 OF 15, AS REQUIRED:

1. INSTALL PORTABLE CONCRETE BARRIER & PLACE TEMPORARY PAVEMENT MARKINGS/MARKERS ON THE NEWLY COMPLETED LEFT SIDE OF W. PEACE ST. (-Y1-) AND SHIFT W. PEACE ST. (-Y1-) TO A TEMPORARY TWO-WAY, THREE-LANE TRAFFIC PATTERN (SEE SHEETS TMP-22C & TMP-22D).

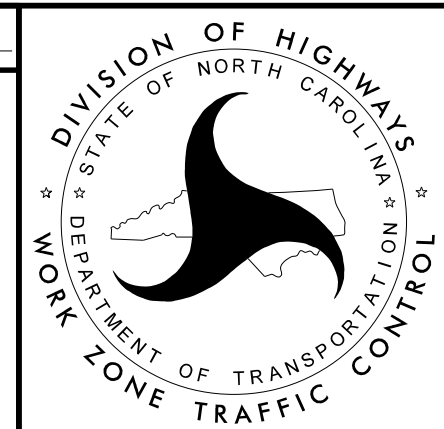
2. DIRECT PEDESTRIANS TO PROPOSED SIDEWALK ALONG WB W. PEACE ST. (-Y1-) AND CLOSE SIDEWALK ALONG EB PEACE ST. (-Y1-)(SEE SHEETS TMP-22C & TMP-22D).

- E. USING ROADWAY STANDARD DRAWING NOS. 1101.02, SHEETS 1 & 2 OF 15, AS REQUIRED, REMOVE WATER FILLED BARRIER, CONSTRUCT STAGE II OF PROPOSED CULVERT AT STA. 15+00 +/- -Y1- AND RIGHT SIDE OF PROPOSED W. PEACE ST. (-Y1-)(INCLUDING PROPOSED DRAINAGE, PROPOSED CURB & GUTTER & PROPOSED SIDEWALK) FROM STA. 12+15 +/- -Y1- TO STA. 18+75 +/- -Y1-, AND FROM STA. 19+00 +/- -Y6- TO STA. 19+50 +/- -Y6-, UP TO, BUT NOT INCLUDING THE FINAL LAYER OF SURFACE COURSE (SEE ROADWAY PLANS AND SHEETS TMP-22C & TMP-22D).

- F. USING ROADWAY STANDARD DRAWING NOS. 1101.02, SHEETS 1, 2, 3 & 7 OF 15, REMOVE PORTABLE CONCRETE BARRIER AND PLACE TEMPORARY PAVEMENT MARKINGS/MARKERS ON THE NEWLY COMPLETED W. PEACE ST. (-Y1-) IN THE TEMPORARY TRAFFIC PATTERN AS SHOWN ON SHEETS TMP-24 & TMP-26 AND OPEN TO TRAFFIC.

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AREA II PHASING

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PHASE II

- STEP 1: - USING ROADWAY STANDARD DRAWING NO. 1101.02, SHEETS 1 & 2 OF 15:
- PLACE TEMPORARY PAVEMENT MARKINGS/MARKERS ON NEWLY COMPLETED W. JOHNSON ST. (-Y5-), N. HARRINGTON ST. (-Y6-), W. JOHNSON ST. (-Y7-) AND W. JOHNSON ST./SERVICE RD. (-Y3-) (SEE SHEETS TMP-23, TMP-24 & TMP-26).
  - ACTIVATE PROPOSED/TEMPORARY SIGNAL AT THE INTERSECTION OF W. PEACE ST. (-Y1-) & PROPOSED N. HARRINGTON ST. (-Y6-) AND OPEN TO TRAFFIC (SEE SHEETS TMP-23, TMP-24 & TMP-26).
- STEP 2: - CLOSE EXISTING ON-LOOP & OFF-RAMP TO/FROM SOUTHBOUND CAPITAL BLVD. (-L-) TO TRAFFIC AND BEGIN CONSTRUCTION OF THE REMAINDER OF PROPOSED SOUTHBOUND CAPITAL BLVD. (-L-) (INCLUDING TEMPORARY PAVEMENT WITHOUT SIDEWALKS) FROM STA. 24+00 +/- -L- TO STA. 28+50 +/- -L- (SEE ROADWAY PLANS AND SHEETS TMP-24 TO TMP-26).

NOTE: UTILIZE TEMPORARY SHORING, TEMPORARY 2:1 SLOPES, AND/OR WEDGING OVER EXISTING AS REQUIRED DURING CONSTRUCTION.

- USING ROADWAY STANDARD DRAWING NO. 1101.02, SHEET 3 OF 15, CONSTRUCT LEFT SIDE OF PROPOSED W. PEACE ST. (-Y1-) FROM STA. 15+85 -Y1- +/- TO STA. 18+75 -Y1- +/-, LEFT SIDE OF PROPOSED N. HARRINGTON ST. (-Y6-) FROM STA. 12+60 +/- -Y6- TO STA. 15+80 +/- -Y6- AND RIGHT SIDE OF PROPOSED JOHNSON ST. (-Y7-) FROM STA. 11+76 +/- -Y7- TO STA. 13+20 +/- -Y7- (SEE ROADWAY PLANS AND SHEETS TMP-23, TMP-24 & TMP-26).

CONTRACTOR MAY WORK AREA II, PHASE III, STEP 1 AND STEP 3 SIMULTANEOUSLY.

PHASE III

- STEP 1: - COMPLETE CONSTRUCTION/INSTALLATION OF THE FOLLOWING BEGUN IN AREA I, PHASE I, STEP 1:
- PROPOSED OFF-RAMP -Y1RPC- AND PROPOSED W. JOHNSON ST. (-Y4-).
  - PROPOSED RIGHT SIDE OF W. PEACE ST. (-Y1-) FROM STA. 19+75 +/- -Y1- TO STA. 23+20 +/- -Y1-.
  - COMPLETE CONSTRUCTION/INSTALLATION OF PROPOSED/TEMPORARY SIGNAL AT THE INTERSECTION OF W. PEACE ST. (-Y1-) AND PROPOSED OFF-RAMP -Y1RPC-& EXISTING OFF-LOOP/ON-RAMP.

CONTRACTOR SHALL WORK IN A CONTINUOUS MANNER TO COMPLETE THE WORK OF AREA II, PHASE III, STEP 2.

- STEP 2: - USING ROADWAY STANDARD DRAWING NO. 1101.02, SHEETS 1, 2, 3, 7 & 8 OF 15:
- PLACE TEMPORARY PAVEMENT MARKINGS/MARKERS ON NEWLY COMPLETED OFF-RAMP -Y1RPC-, W. JOHNSON ST. (-Y4-) AND W. PEACE ST. (-Y1-) FROM STA. 19+75 +/- -Y1- TO STA. 23+20 +/- -Y1- (SEE SHEETS TMP-27 & TMP-28).
  - ACTIVATE PROPOSED/TEMPORARY SIGNAL AT THE INTERSECTION OF W. PEACE ST. (-Y1-) AND PROPOSED OFF-RAMP -Y1RPC-/EXISTING ON-RAMP TO NORTHBOUND CAPITAL BLVD. (-L-) AND OPEN TO TEMPORARY TRAFFIC PATTERN. CLOSE EXISTING OFF-LOOP FROM NORTHBOUND CAPITAL BLVD. (-L-) TO W. PEACE ST. (-Y1-)(SEE SHEETS TMP-27 & TMP-28).

NOTE: CONTRACTOR SHALL COMPLETE CONSTRUCTION OF PROPOSED WIDENING OF SOUTHBOUND CAPITAL (-L-) FROM STA. 28+50 +/- -L- TO STA. 41+50 +/- -L- BEGUN IN AREA I, PHASE I, STEP 4, DURING AREA II, PHASE III, STEP 3.

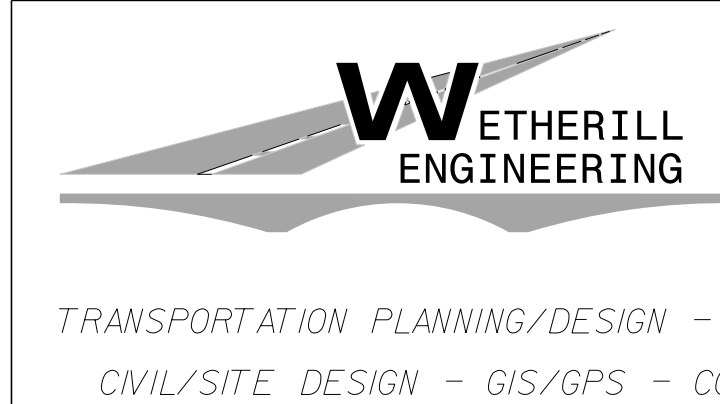
NOTE: CONTRACTOR SHALL COMPLETE THE REMOVAL & REPLACEMENT OF EXISTING CAPITAL BLVD. (-L-) PAVEMENT RECONSTRUCTION BEGUN IN AREA I, PHASE I, STEP 2 & STEP 3, DURING AREA II, PHASE III, STEP 3.

- STEP 3: - COMPLETE CONSTRUCTION/INSTALLATION OF THE FOLLOWING BEGUN IN AREA II, PHASE I, STEP 1 AND AREA II, PHASE II, STEP 2:
- PROPOSED SOUTHBOUND CAPITAL BLVD. (-L-), STAGE I OF PROPOSED BRIDGE AND TEMPORARY PAVEMENT/PROPOSED WIDENING FROM STA. 10+21 /- -L- TO STA. 28+50 +/- -L-.
  - COMPLETE REMOVAL & REPLACEMENT OF EXISTING CAPITAL BLVD. (-L-) PAVEMENT CONSTRUCTED IN AREA I, PHASE I, STEP 2 AND STEP 3.
  - COMPLETE CONSTRUCTION OF PROPOSED SOUTHBOUND CAPITAL BLVD. (-L-) WIDENING FROM STA. 28+50 +/- -L- TO STA. 41+50 +/- -L- BEGUN IN AREA I, PHASE I, STEP 4.

CONTRACTOR SHALL WORK IN A CONTINUOUS MANNER TO COMPLETE THE WORK OF AREA II, PHASE III, STEP 4.

- STEP 4: - USING ROADWAY STANDARD DRAWING NO. 1101.02, SHEETS 3 & 8 OF 15:
- PLACE TEMPORARY PAVEMENT MARKINGS/MARKERS AND INSTALL PORTABLE CONCRETE BARRIER ON NEWLY COMPLETED SOUTHBOUND CAPITAL BLVD. (-L-) FOR A TEMPORARY SIX-LANE, TWO-WAY DIVIDED TRAFFIC PATTERN FROM STA. 10+21 +/- -L- TO STA. 41+50 +/- -L- (SEE SHEETS TMP-27 TO TMP-29).
  - SHIFT SOUTHBOUND CAPITAL BLVD. (-L-) TRAFFIC TO THE OUTSIDE THREE LANES OF PROPOSED SOUTHBOUND CAPITAL BLVD. (-L-) FROM STA. 10+21 +/- -L- TO STA. 41+50 +/- -L- (SEE SHEETS TMP-27 TO TMP-29).
  - PLACE REMAINDER OF TEMPORARY PAVEMENT MARKINGS/MARKERS AND INSTALL REMAINDER OF PORTABLE CONCRETE BARRIER (PORTABLE CONCRETE BARRIER SHALL BE ATTACHED TO THE EXISTING MEDIAN PORTABLE CONCRETE BARRIER AT STA. 14+75 +/- -L- AND STA. 30+50 +/- -L- AS DIRECT BY THE ENGINEER)(SEE SHEETS TMP-27 TO TMP-29).

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AREA II PHASING

CONTRACTOR SHALL WORK IN A CONTINUOUS MANNER TO COMPLETE THE WORK OF AREA I, PHASE III, STEP 5.

STEP 5: - USING ROADWAY STANDARD DRAWING NO. 1101.02, SHEETS 3 & 8 OF 15:

- REMOVE EXISTING MEDIAN PORTABLE CONCRETE BARRIER, AS REQUIRED (PROTECT EXPOSED ENDS WITH TEMPORARY CRASH CUSHIONS), AND CONSTRUCT REMAINDER OF THE PROPOSED SOUTHBOUND CAPITAL BLVD. (-L-) UTILIZING WEDGING & PAVING OPERATIONS AND/OR TEMPORARY 2:1 SLOPES FROM STA. 17+00 +/- -L- TO STA. 19+57 +/- -L- AND FROM STA. 24+90 +/- -L- TO STA. 28+00 +/- -L- (SEE ROADWAY PLANS AND SHEETS TMP-27 TO TMP-29).

PHASE IV

STEP 1: - USING ROADWAY STANDARD DRAWING NO. 1101.02, SHEETS 3 & 8 OF 15:

- REMOVE REMAINDER OF EXISTING MEDIAN PORTABLE CONCRETE BARRIER, PLACE ADDITIONAL TEMPORARY PAVEMENT MARKINGS/MARKERS AND SHIFT NORTHBOUND CAPITAL BLVD. (-L-) TRAFFIC TO THE INSIDE THREE LANES OF PROPOSED SOUTHBOUND CAPITAL BLVD. (-L-) FROM STA. 10+15 +/- -L- TO STA. 30+50 +/- -L-. INSTALL REMAINDER OF PORTABLE CONCRETE BARRIER (ANCHORED ON BRIDGE) ALONG THE TEMPORARY OUTSIDE LANE FROM STA. 15+25 +/- -L- TO STA. STA. 26+00 +/- -L- (SEE SHEETS TMP-30 TO TMP-32).

NOTE: ACCESS TO PARCEL NO. 15 (COTTON MILLS CONDOMINIUMS ) AND PARCEL NO. 16 (622 CAPITAL LLC) AND FIRST DRIVEWAY TO PARCEL NO. 17 (U-HAUL REAL ESTATE CO.) SHALL BE MAINTAINED FROM THE EXISTING ON-RAMP FROM W. PEACE ST. (-Y1-).

CONTRACTOR MAY WORK AREA II, PHASE IV, STEP 2 AND STEP 3 SIMULTANEOUSLY.

STEP 2: - USING ROADWAY STANDARD DRAWING NO. 1101.02, SHEETS 3, 7 & 8 OF 15:

- CONSTRUCT PROPOSED NORTHBOUND CAPITAL BLVD. (-L-) AND STAGE II OF PROPOSED BRIDGE FROM STA. 15+95 +/- -L- TO STA. 27+00 +/- -L-, UP TO, BUT NOT INCLUDING THE FINAL LAYER OF SURFACE COURSE (SEE ROADWAY PLANS AND SHEETS TMP-30 & TMP-31).

NOTE: FOR PROPOSED GIRDER INSTALLATION, EXISTING BRIDGE REMOVAL & SUBSTRUCTURE REMOVAL, CLOSE W. PEACE ST. (-Y1-) BETWEEN PROPOSED N. HARRINGTON ST. (-Y6-) AND EXISTING ON-RAMP EAST OF THE EXISTING BRIDGE. SEE SHEETS TMP-46B & TMP-46D FOR OFF-SITE DETOURS AND GENERAL NOTE "C" ON TMP-1B FOR TIME RESTRICTIONS.

- CONSTRUCT LEFT SIDE OF PROPOSED W. PEACE ST. (-Y1-)(INCLUDING PROPOSED DRAINAGE, PROPOSED CURB & GUTTER & PROPOSED SIDEWALKS (UP TO, BUT NOT INCLUDING THE FINAL LAYER OF SURFACE COURSE FROM STA. 18+75 +/- -Y1- TO STA. 19+75 +/- -Y1- (SEE ROADWAY PLANS AND SHEET TMP-33)

NOTE: DIRECT PEDESTRIANS TO UTILIZE THE SIDEWALKS ALONG THE OPPOSITE SIDE OF W. PEACE ST. (-Y1-).

STEP 3: - CONSTRUCTION OF PROPOSED ON-RAMP -Y1RPD-.

- A. USING ROADWAY STANDARD DRAWING NOS. 1101.02, SHEETS 1, 3 & 8 OF 15, INSTALL/CONSTRUCT PROPOSED UTILITIES WITHIN THE PROPOSED ON-RAMP -Y1RPD- AREA. AS APPROVED/DIRECTED BY THE ENGINEER UTILIZE EXISTING SIDEWALKS TO MAINTAIN PEDESTRIAN TRAFFIC TO NORTHBOUND CAPITAL BLVD. (-L-) (SEE ROADWAY PLANS AND UTILITIES PLANS).

NOTE: DIRECT PEDESTRIANS TO UTILIZE SIDEWALKS ALONG EB W. PEACE ST. (-Y1-).

CONTRACTOR SHALL WORK IN A CONTINUOUS MANNER TO COMPLETE THE WORK IN AREA II, PHASE IV, STEPS 3B THRU 3D IN 90 CONSECUTIVE DAYS (SEE INTERMEDIATE CONTRACT TIME AND SPECIAL PROVISIONS).

- B. - USING ROADWAY STANDARD DRAWING NO. 1101.03, SHEET 2 OF 9 CLOSE EXISTING ON-RAMP TO NORTHBOUND CAPITAL BLVD. (-L-) FROM W. PEACE ST. (-Y1-) AND DETOUR TRAFFIC (SEE SHEETS TMP-33, TMP-34 & TMP-46E).

NOTE: ACCESS TO PARCEL NO. 15 (COTTON MILLS CONDOMINIUMS), PARCEL NO. 16 (622 CAPITAL LLC) AND FIRST DRIVEWAY TO PARCEL NO. 17 (U-HAUL REAL ESTATE CO.) SHALL BE MAINTAINED FROM NORTHBOUND CAPITAL BLVD. (-L-).

- C. - CONSTRUCTION PROPOSED ON-RAMP -Y1RPD-, PROPOSED -DR2- AND PROPOSED NORTHBOUND CAPITAL BLVD. (-L-) UP TO, BUT NOT INCLUDING THE FINAL LAYER OF SURFACE COURSE FROM STA. 16+80 +/- -Y1RPD- TO STA. 30+00 +/- -L- (SEE ROADWAY PLANS AND SHEETS TMP-33 & TMP-34).

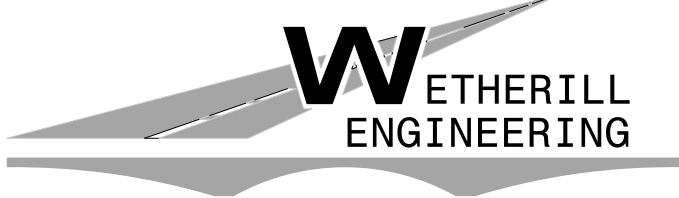
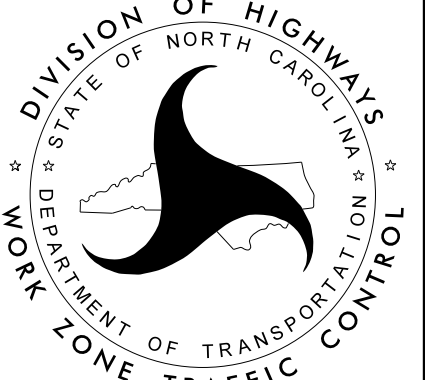
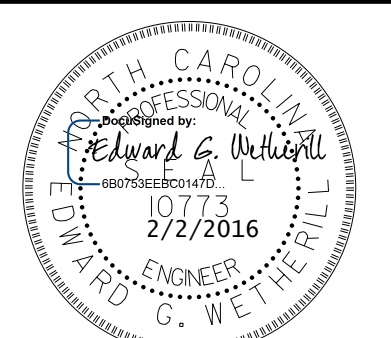
NOTE: AS DIRECTED/APPROVED BY THE ENGINEER KEEP EXISTING DRIVEWAY AT STA. 10+90 +/- -Y1RPD- OPEN TO MAINTAIN ACCESS TO PARCEL NO. 15 (COTTON MILLS CONDOMINIUMS) AND PARCEL NO. 16 (622 CAPITAL LLC).

NOTE: UTILIZE EXISTING SIDEWALK ALONG EXISTING ON-RAMP AND TEMPORARY SIDEWALK/TIE-IN, AS DIRECTED/APPROVED BY THE ENGINEER, TO MAINTAIN PEDESTRIAN TRAFFIC.

- USING ROADWAY STANDARD DRAWING NOS. 1101.02, SHEETS 3 & 8 OF 15, CONSTRUCT LEFT SIDE OF PROPOSED W. PEACE ST. (-Y1-) UP TO, BUT INCLUDING FINAL LAYER OF SURFACE COURSE FROM STA. 19+75 +/- -Y1- TO STA. 23+00 +/- -Y1- (SEE ROADWAY PLANS AND SHEET TMP-33).

- USING ROADWAY STANDARD DRAWING NOS. 1101.02, SHEETS 3 & 8 OF 15, MODIFY/REVISED SIGNAL AT THE INTERSECTION WITH W. PEACE ST. (-Y1-) (SEE SIGNAL PLANS AND SHEET TMP-35).

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PROJ. REFERENCE NO.	SHEET NO.
B-5121/B-5317	TMP-18D

D. - USING ROADWAY STANDARD DRAWING NOS. SHEETS 1, 3 & 8 OF 15:

- PLACE TEMPORARY PAVEMENT MARKINGS/MARKERS FOR THE FINAL TRAFFIC PATTERN ON THE NEWLY COMPLETED ON-RAMP -Y1RPD-, PROPOSED DRIVEWAY -DR2-, PROPOSED W. PEACE ST. (-Y1-), ACTIVE MODIFY/REVISED SIGNAL AND OPEN TO TEMPORARY TRAFFIC PATTERN (SEE SHEETS TMP-35 & TMP-36).

NOTE: ACCESS TO PARCEL NO. 15 (COTTON MILLS CONDOMINIUMS ) AND PARCEL NO. 16 (622 CAPITAL LLC) AND FIRST DRIVEWAY TO PARCEL NO. 17 (U-HAUL REAL ESTATE CO.) SHALL BE MAINTAINED FROM THE PROPOSED ON-RAMP -Y1RPD- FROM W. PEACE ST. (-Y1-).

CONTRACTOR MAY WORK AREA II, PHASE V, STEP 1 AND STEP 2 SIMULTANEOUSLY.

PHASE V

STEP 1: A. USING ROADWAY STANDARD DRAWING NOS. 1101.02, SHEETS 1, 3 & 8 OF 15:

- COMPLETE CONSTRUCTION OF PROPOSED ON-RAMP -Y1RPD- AT STA. 10+90 +/- -Y1RPD- (SEE ROADWAY PLANS).
- REMOVE PORTABLE CONCRETE BARRIER ALONG OUTSIDE LANE OF NORTHBOUND CAPITAL BLVD. (-L-) AND PLACE TEMPORARY PAVEMENT MARKINGS/MARKERS ON NEWLY COMPLETED OUTSIDE SHOULDER OF NORTHBOUND CAPITAL BLVD. (-L-) AND SHIFT TRAFFIC (SEE SHEETS TMP-37 TO TMP-39).
- REMOVE PORTABLE CONCRETE BARRIER ON NORTHBOUND & SOUTHBOUND CAPITAL BLVD. (-L-) FROM STA. 10+21 +/- TO STA. 30+50 +/- -L- & INSTALL WATER FILLED BARRIER AS SHOWN ON SHEETS TMP-37 TO TMP-39.

CONTRACTOR SHALL WORK IN A CONTINUOUS MANNER TO COMPLETE THE WORK IN AREA II, PHASE V, STEP 1B FROM 9:00 PM FRIDAY TO 6:00 AM MONDAY. REPEAT WEEKEND LANE CLOSURES AS DIRECTED BY THE ENGINEER TO COMPLETED AREA II, PHASE V, STEP 1B (SEE INTERMEDIATE CONTRACT TIME AND SPECIAL PROVISIONS).

- B. AS DIRECTED/APPROVED BY THE ENGINEER AND AS REQUIRED, USING ROADWAY STANDARD DRAWING NO. 1101.02, SHEET 3 OF 15, MOVE & RESET THE WATER FILLED BARRIER TO CLOSE THE INSIDE LANE OF EITHER OR BOTH DIRECTIONS OF CAPITAL BLVD. (-L-) AND CONSTRUCT PROPOSED MEDIAN (INCLUDING REMAINDER OF PROPOSED DRAINAGE), PROPOSED CURB & GUTTER AND PROPOSED SIGN STRUCTURE FROM STA. 10+21 +/- -L- TO STA. 28+50 +/- -L- (SEE ROADWAY PLANS STRUCTURE PLANS, SIGNING AND SHEETS TMP-37 TO TMP-39).

NOTE: REMOVE WATER FILLED BARRIER ON NORTHBOUND CAPITAL BLVD. (-L-) WHEN PROPOSED MEDIAN CONSTRUCTION IS COMPLETED.

C. USING ROADWAY STANDARD DRAWING NOS. 1101.02, SHEETS 3 & 8 OF 15:

- REMOVE WATER FILLED BARRIER ON SOUTHBOUND CAPITAL, PLACE TEMPORARY PAVEMENT MARKINGS/MARKERS ON SOUTHBOUND CAPITAL BLVD. (-L-) FOR A TEMPORARY THREE-LANE, ONE-WAY TRAFFIC PATTERN TO THE MEDIAN FROM STA. 10+21 +/- -L- TO STA. 30+50 +/- -L- AND SHIFT TO TRAFFIC (SHEETS TMP-40 TO TMP-42).

D. USING ROADWAY STANDARD DRAWING NOS. 1101.02, SHEETS 3 & 8 OF 15:

- INSTALL WATER FILLED BARRIER ALONG THE TEMPORARY OUTSIDE LANE OF SOUTHBOUND CAPITAL BLVD. (-L-) AS SHOWN ON SHEET TMP-41 AND CONSTRUCT PROPOSED SIDEWALK, PROPOSED CURB & GUTTER, PROPOSED PEDESTRIAN BARRIER AND PROPOSED CONCRETE MONOLITHIC ISLANDS ALONG THE OUTSIDE LANE OF THE PROPOSED SOUTHBOUND CAPITAL BLVD. (-L-) FROM STA. 10+21 +/- -L- TO STA. 28+50 +/- -L- (SEE ROADWAY PLANS, STRUCTURE PLANS AND SHEETS TMP-40 TO TMP-42).

E. USING ROADWAY STANDARD DRAWING NOS. 1101.02, SHEETS 3 & 8 OF 15:

- REMOVE WATER FILLED BARRIER ON SOUTHBOUND CAPITAL BLVD. (-L-), PLACE TEMPORARY PAVEMENT MARKINGS/MARKERS ON SOUTHBOUND CAPITAL BLVD. (-L-) IN A TEMPORARY TRAFFIC PATTERN AS SHOWN ON SHEETS TMP-43 & TMP-44 FROM STA. 10+21 +/- -L- TO STA. 28+50 +/- -L- AND SHIFT TRAFFIC.

STEP 2: - USING ROADWAY STANDARD DRAWING NOS. 1101.02, SHEETS 1, 2, 3, 7, 8, 9 & 10 OF 15:

- AS REQUIRED, MODIFY/REVISE PROPOSED SIGNALS AT THE INTERSECTIONS OF W. PEACE ST. (-Y1-) & PROPOSED N. HARRINGTON ST. (-Y6-) AND W. PEACE ST. (-Y1-) & PROPOSED OFF-RAMP -Y1RPC-/PROPOSED ON-RAMP -Y1RPD- FOR THE FINAL TRAFFIC PATTERN (SEE SIGNAL PLANS AND FINAL PAVEMENT MARKING PLANS).
- CONSTRUCT PROPOSED CONCRETE MONOLITHIC ISLANDS ON W. PEACE ST. (-Y1-) (SEE ROADWAY PLANS AND SHEETS TMP-44 & TMP-45).
- PLACE TEMPORARY PAVEMENT MARKINGS/MARKERS FOR THE FINAL TRAFFIC PATTERN ON PROPOSED W. PEACE ST. (-Y1-)(SEE SIGNAL PLANS AND FINAL PAVEMENT MARKING PLANS).
- ACTIVATE PROPOSED SIGNALS AT THE INTERSECTIONS OF W. PEACE ST. (-Y1-) & PROPOSED N. HARRINGTON ST. (-Y6-) AND W. PEACE ST. (-Y1-) & PROPOSED OFF-RAMP -Y1RPC-/PROPOSED ON-RAMP -Y1RPD- AND OPEN TO FINAL TRAFFIC PATTERN (SEE SIGNAL PLANS AND FINAL PAVEMENT MARKING PLANS).

WHEN CONSTRUCTION HAS BEEN COMPLETED FOR AREA I CONTRACTOR SHALL PROCEED WITH AREA II, PHASE VI.

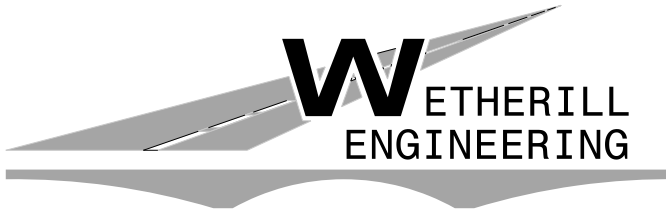
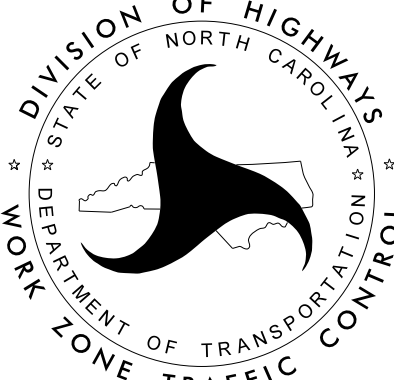
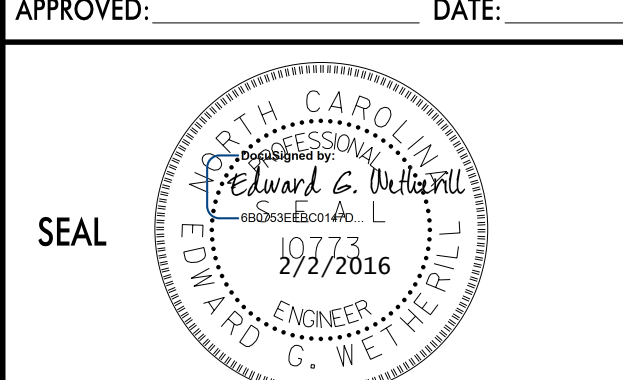
PHASE VI

STEP 1: - USING ROADWAY STANDARD DRAWING NOS. 1101.02, SHEETS 1, 2, 3, 7, 8, 9 & 10 OF 15:

- PAVE THE FINAL LAYER OF SURFACE COURSE, PLACE THE FINAL PAVEMENT MARKINGS AND INSTALL THE FINAL PAVEMENT MARKERS ON THE ENTIRE PROJECT (SEE ROADWAY PLANS AND FINAL PAVEMENT MARKING PLANS).
- OPEN ENTIRE PROJECT TO FINAL TRAFFIC PATTERN.

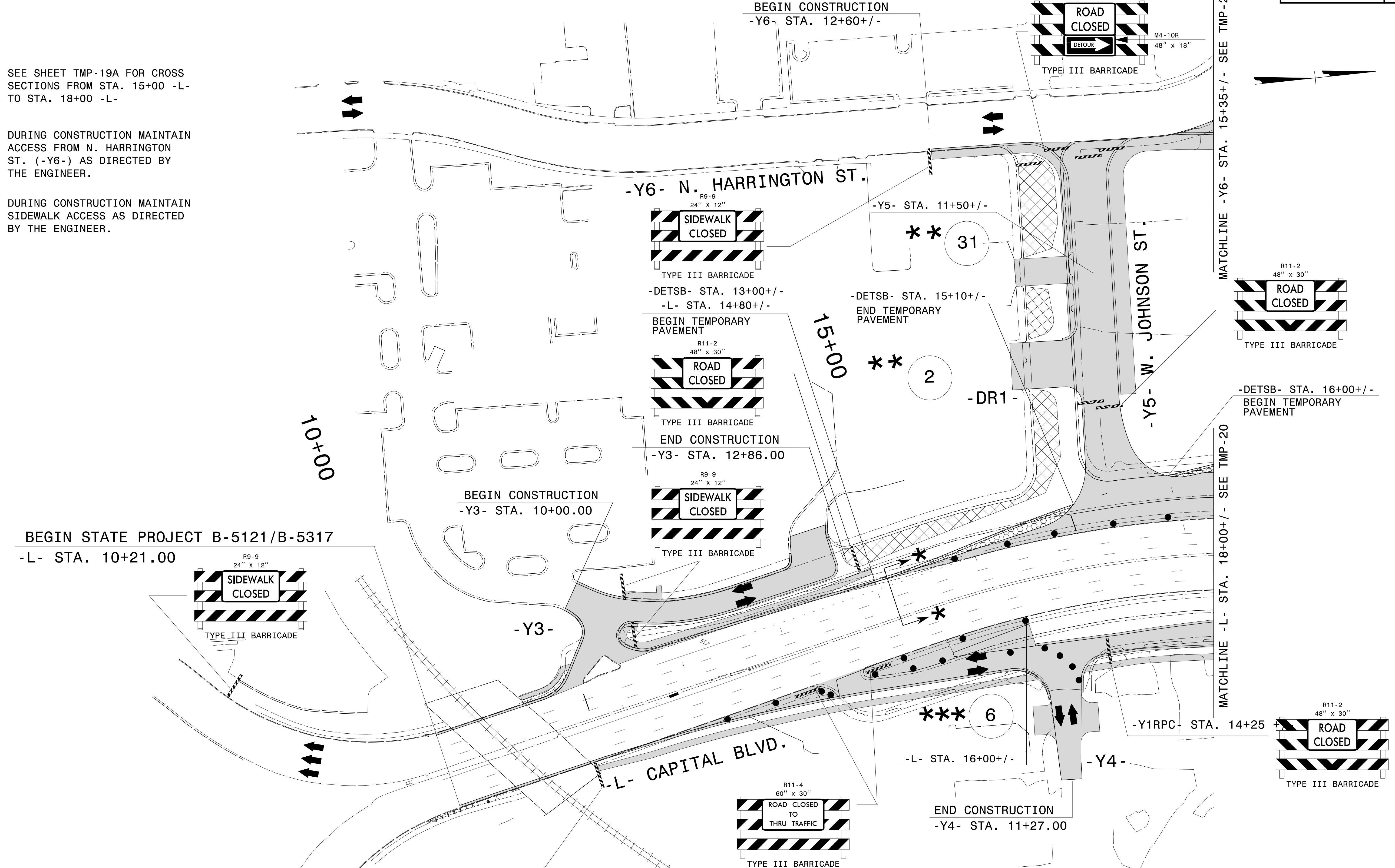
STEP 2: - REMOVE ALL TRAFFIC CONTROL DEVICES FROM THE PROJECT.

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 <p>TRANSPORTATION PLANNING/DESIGN - BRIDGE/STRUCTURE DESIGN CIVIL/SITE DESIGN - GIS/GPS - CONSTRUCTION OBSERVATION</p>	<p>1223 Jones Franklin Rd. Raleigh, N.C. 27606 License No. F-0377 Bus: 919 851 8077 Fax: 919 851 8107</p>	APPROVED: _____ DATE: _____		<p>AREA II PHASING</p>
				

2/1/2016  
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 User:rskennedy

- \* SEE SHEET TMP-19A FOR CROSS SECTIONS FROM STA. 15+00 -L- TO STA. 18+00 -L-
- \*\* DURING CONSTRUCTION MAINTAIN ACCESS FROM N. HARRINGTON ST. (-Y6-) AS DIRECTED BY THE ENGINEER.
- \*\*\* DURING CONSTRUCTION MAINTAIN SIDEWALK ACCESS AS DIRECTED BY THE ENGINEER.



NOTES: PAVEMENT MARKINGS ARE EXISTING UNLESS OTHERWISE NOTED.  
 MAINTAIN ACCESS TO -Y4- BUSINESSES AT ALL TIMES DURING CONSTRUCTION IN A MANNER APPROVED BY THE ENGINEER.

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SEAL

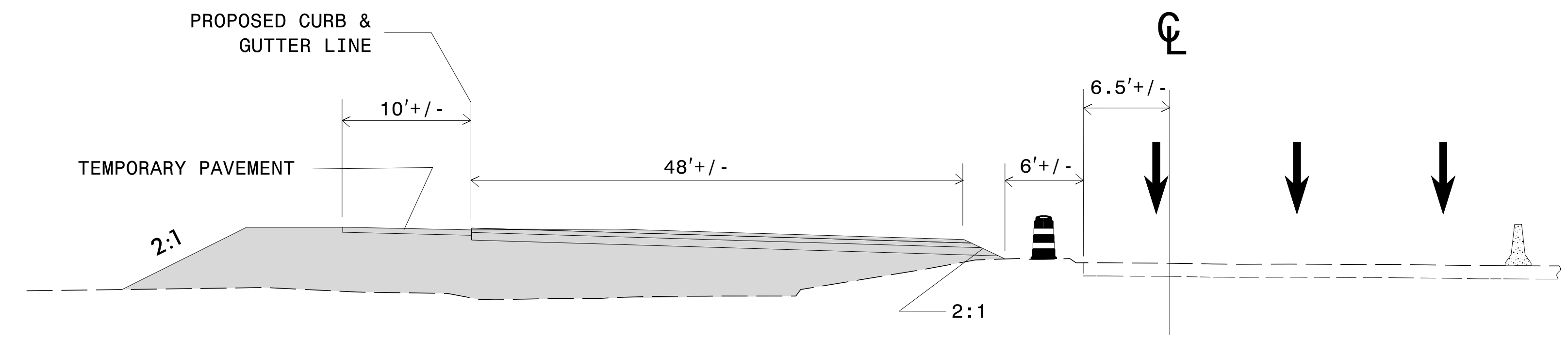
**AREA II - PHASE I  
 TEMPORARY TRAFFIC  
 CONTROL DETAIL**

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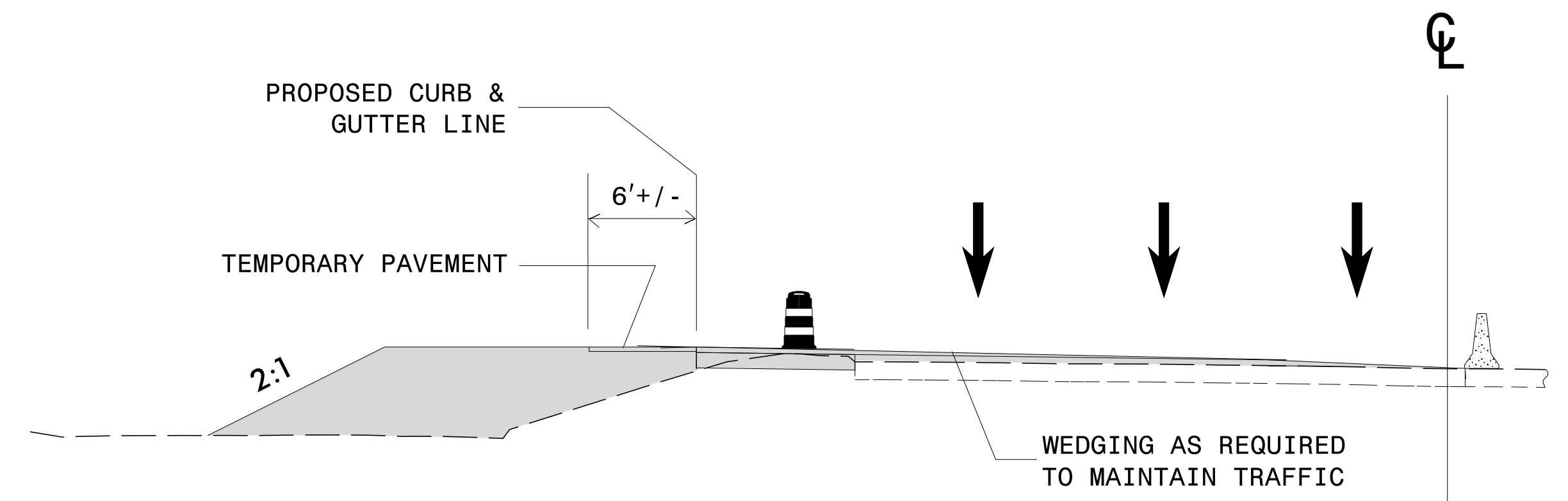
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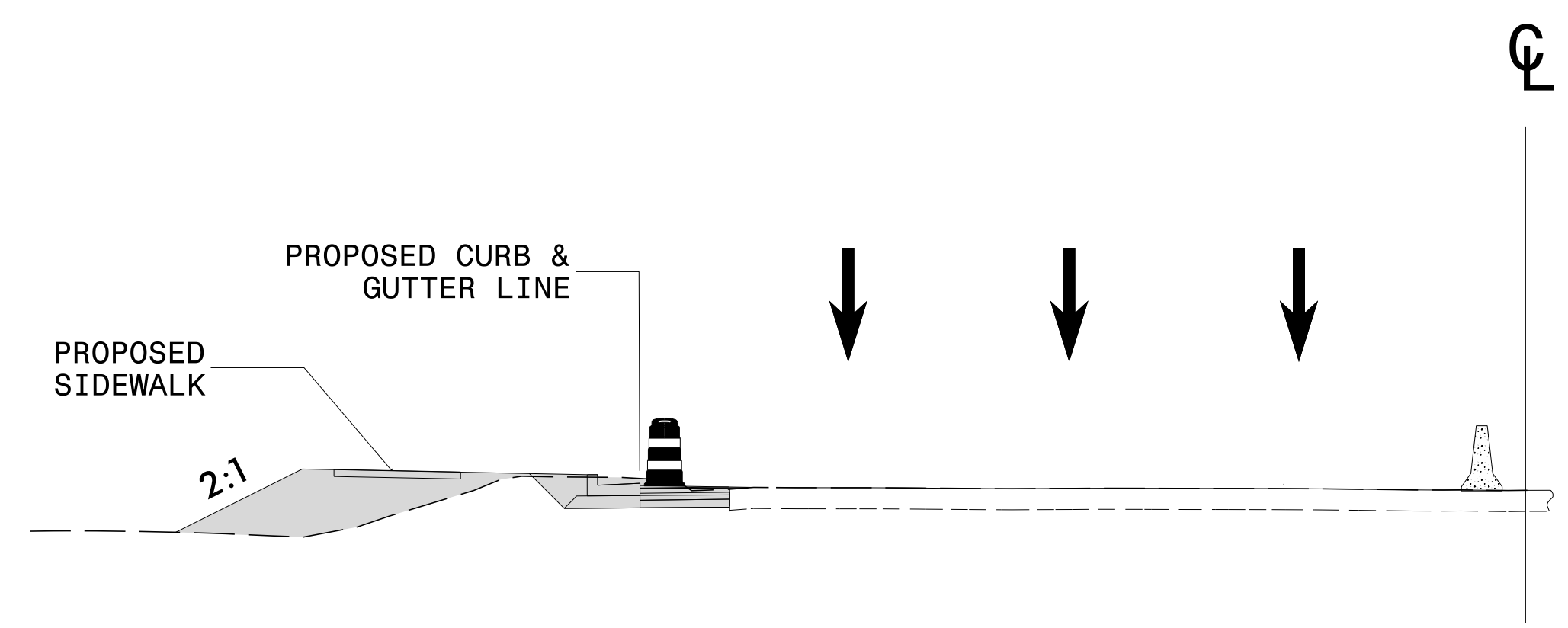




STA. 18+00 - L -




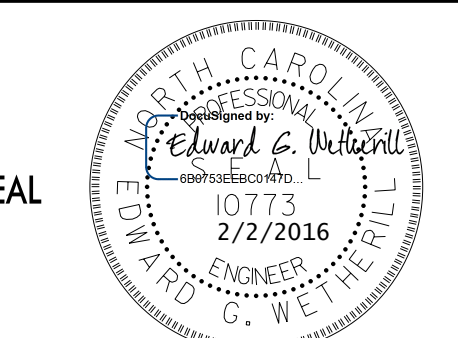

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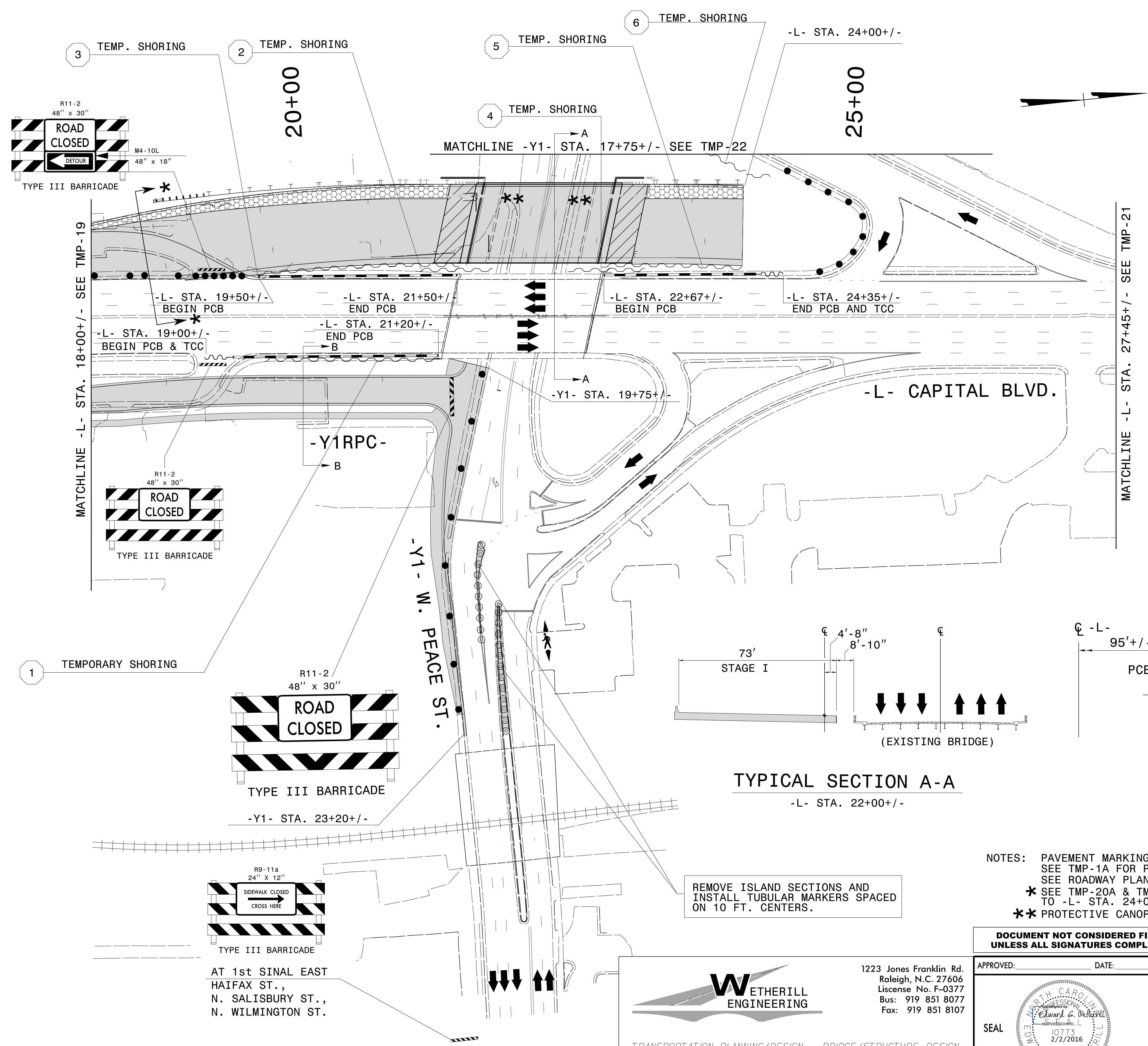


STA. 15+00 - L -

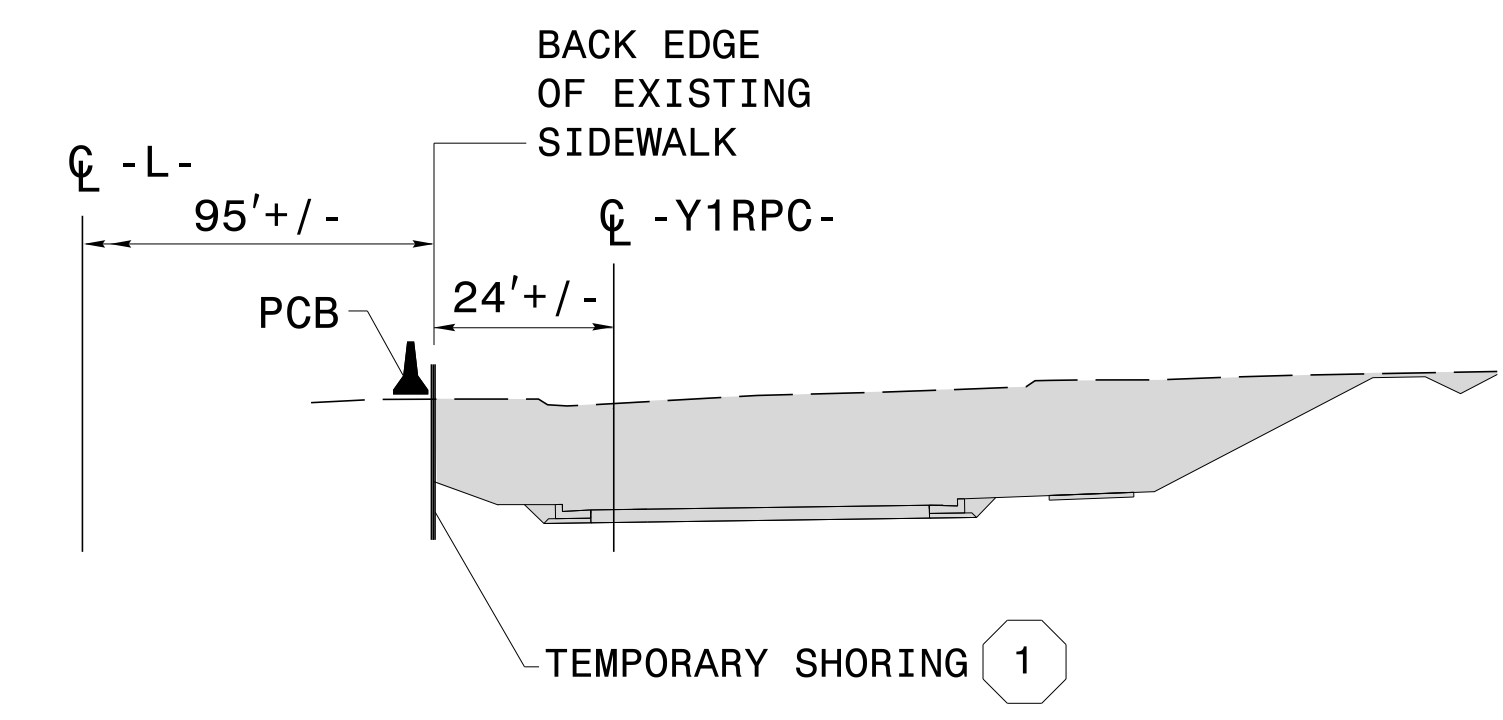
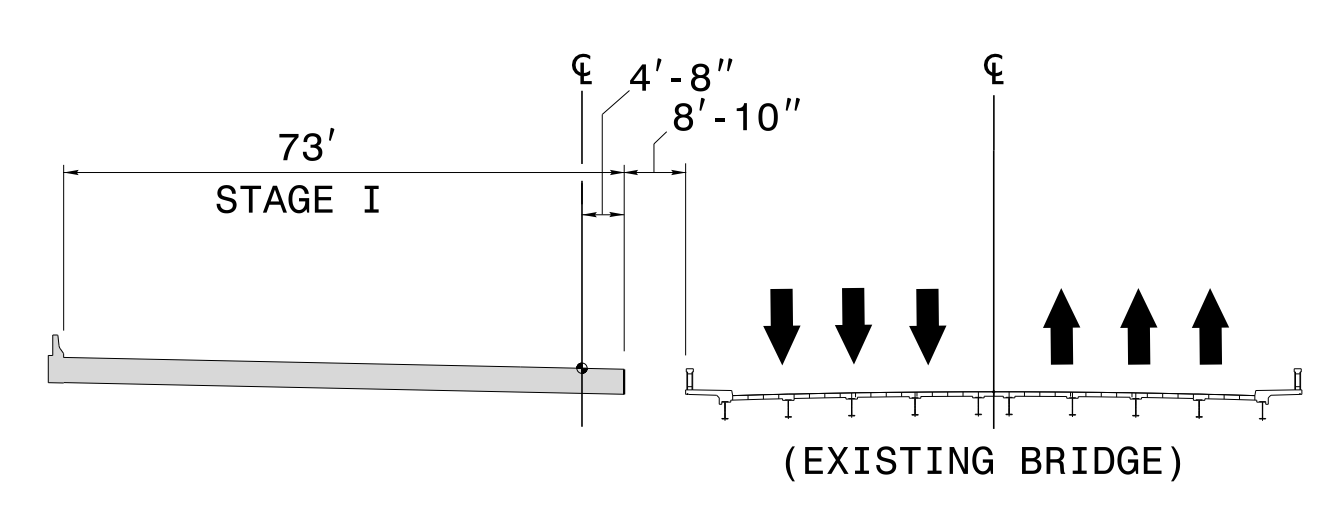
NOTE: SEE TMP-19 FOR TYPICAL SECTION LOCATIONS AND LIMITS.

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 TRANSPORTATION PLANNING/DESIGN - BRIDGE/STRUCTURE DESIGN CIVIL/SITE DESIGN - GIS/GPS - CONSTRUCTION OBSERVATION	1223 Jones Franklin Rd. Raleigh, N.C. 27606 License No. F-0377 Bus: 919 851 8077 Fax: 919 851 8107	APPROVED: _____ DATE: _____ 		<b>AREA II - PHASE I          TEMPORARY TRAFFIC          CONTROL DETAIL</b>
	<b>DOCUMENT NOT CONSIDERED FINAL          UNLESS ALL SIGNATURES COMPLETED</b>			



- 1 QUANTITY = 1670 SF  
TEMPORARY SHORING  
-L- STA. 19+50+/-, 95'+/- RT  
TO -L- STA. 21+20+/-, 100'+/- RT
  - 2 QUANTITY = 722 SF  
TEMPORARY SHORING  
-L- STA. 21+00+/-, 13'+/- RT  
TO -L- STA. 21+75+/-, 15'+/- RT
  - 3 QUANTITY = 900 SF  
TEMPORARY SHORING  
-L- STA. 19+50+/-, 7'+/- RT  
TO -L- STA. 21+50+/-, 7'+/- RT
  - 4 QUANTITY = 623 SF  
TEMPORARY SHORING  
-L- STA. 22+45+/-, 14'+/- RT  
TO -L- STA. 23+20+/-, 13'+/- RT
  - 5 QUANTITY = 575 SF  
TEMPORARY SHORING  
-L- STA. 22+67+/-, 10'+/- RT  
TO -L- STA. 24+00+/-, 10'+/- RT
  - 6 QUANTITY = 935 SF  
TEMPORARY SHORING  
-L- STA. 23+15+/-, 115'+/- LT  
TO -L- STA. 24+00+/-, 95'+/- LT
- (SEE SHEET TMP-2A FOR TEMPORARY SHORING NOTES)



NOTES: PAVEMENT MARKINGS ARE EXISTING UNLESS OTHERWISE NOTED.  
SEE TMP-1A FOR PAVEMENT MARKING SCHEDULE.  
SEE ROADWAY PLANS FOR -DETSB- TEMPORARY PAVEMENT.  
\* SEE TMP-20A & TMP-20B FOR CROSS SECTIONS FROM -L- STA. 19+00+/- TO -L- STA. 24+00+/-.  
\*\* PROTECTIVE CANOPY REQUIRED, SEE SPECIAL PROVISIONS.

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AREA II - PHASE I  
TEMPORARY TRAFFIC  
CONTROL DETAIL

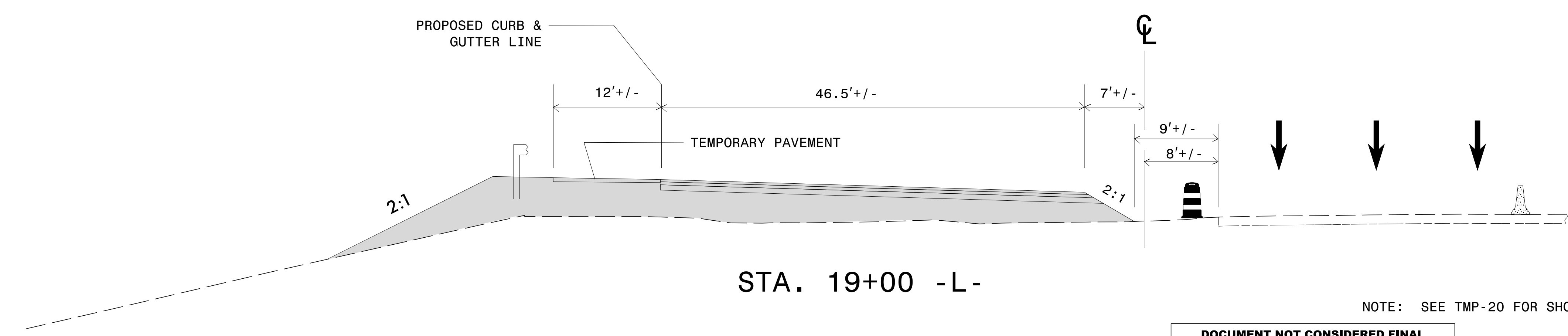
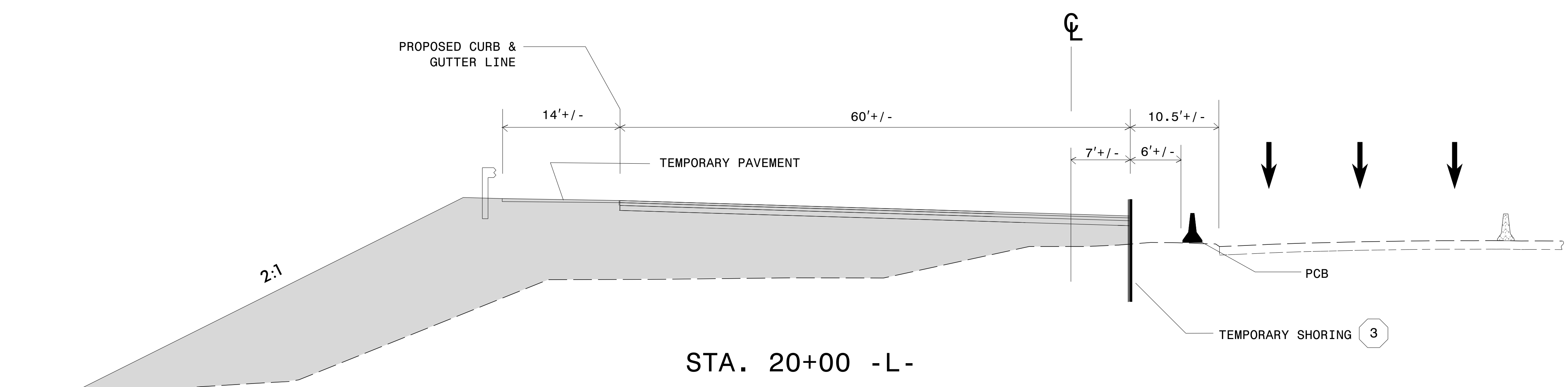
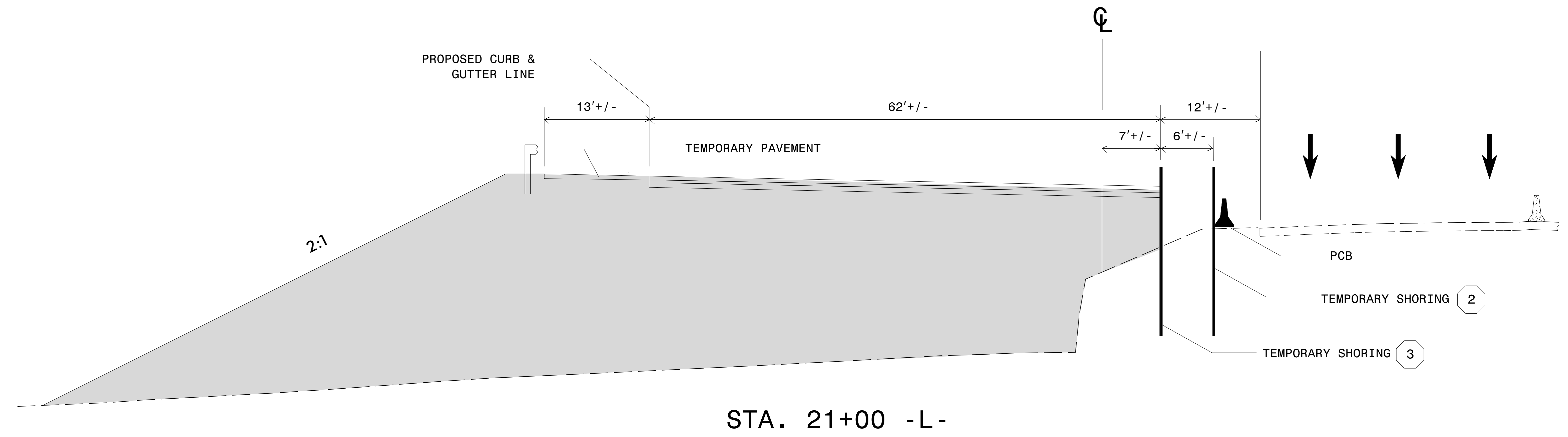
WETHERILL  
ENGINEERING

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Raleigh, N.C. 27606  
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Fax: 919 851 8107

TRANSPORTATION PLANNING/DESIGN - BRIDGE/STRUCTURE DESIGN  
CIVIL/SITE DESIGN - GIS/GPS - CONSTRUCTION OBSERVATION

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AT 1st SINAL EAST  
HAIFAX ST.,  
N. SALISBURY ST.,  
N. WILMINGTON ST.



NOTE: SEE TMP-20 FOR SHORING LOCATIONS AND LIMITS.

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UNLESS ALL SIGNATURES COMPLETED

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TRANSPORTATION PLANNING/DESIGN - BRIDGE/STRUCTURE DESIGN  
CIVIL/SITE DESIGN - GIS/GPS - CONSTRUCTION OBSERVATION

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

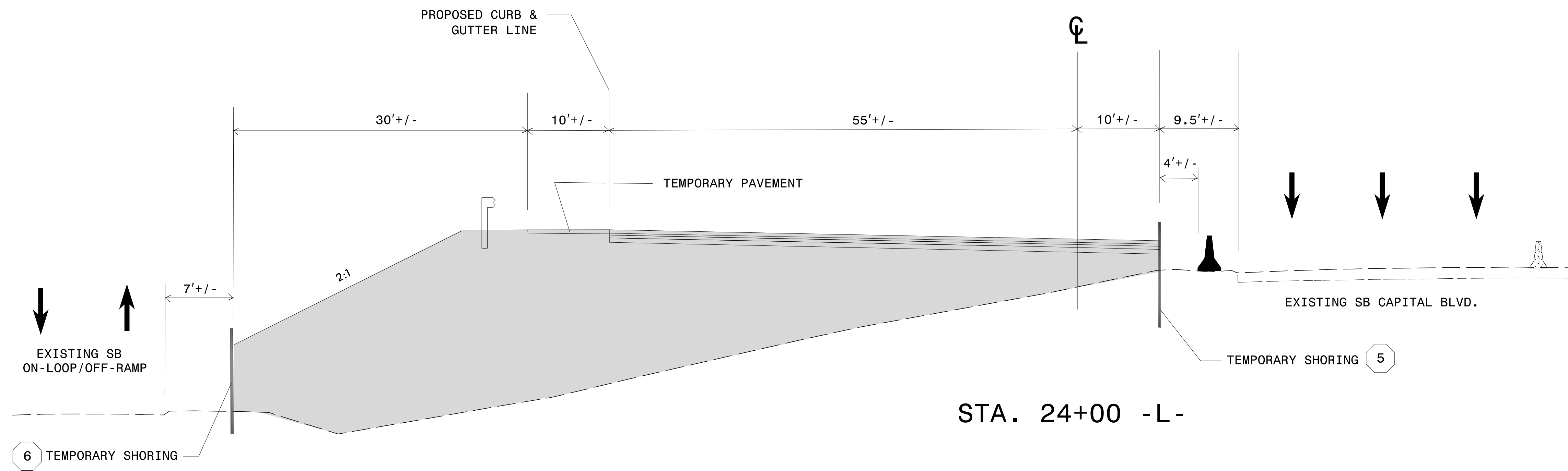
SEAL

NORTH CAROLINA  
EDWARD G. WETHERILL  
10773  
2/2/2016  
ENGINEER

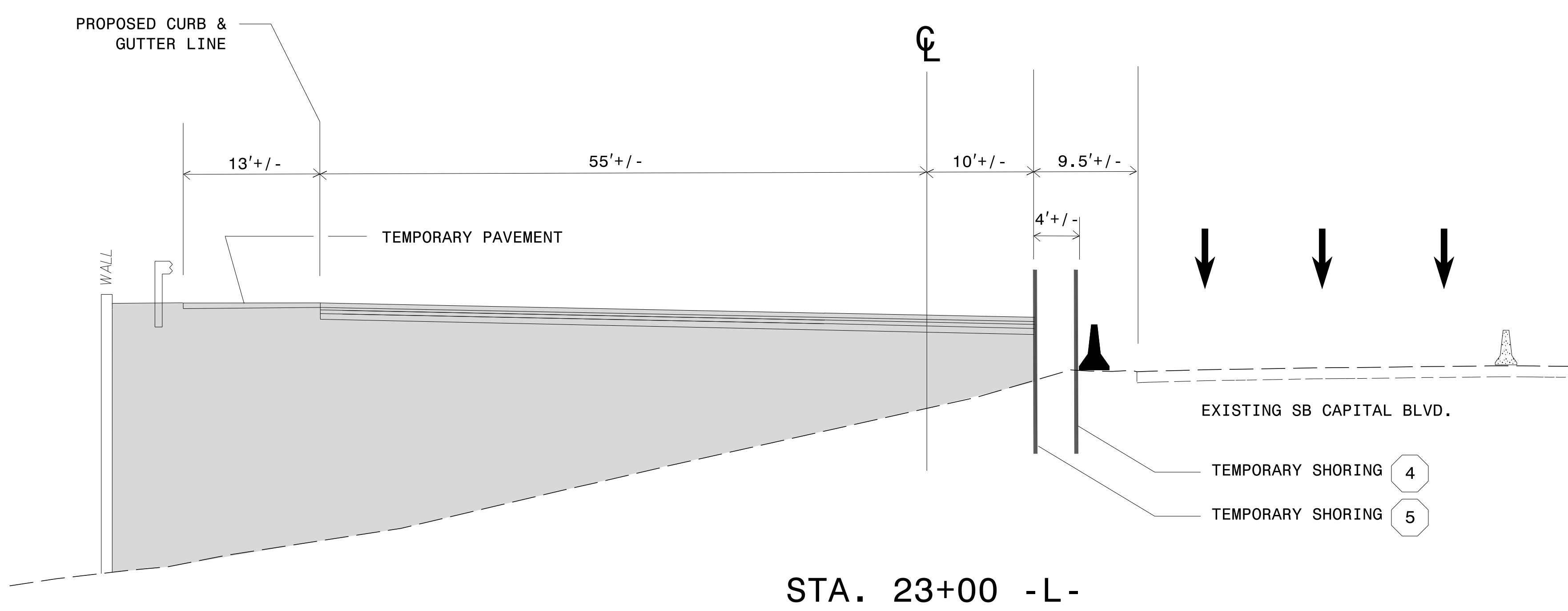
DIVISION OF HIGHWAYS  
STATE OF NORTH CAROLINA  
WORK ZONE TRAFFIC CONTROL

AREA II - PHASE I  
TEMPORARY TRAFFIC  
CONTROL DETAIL

2/1/2016  
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STA. 24+00 - L -



STA. 23+00 - L -

NOTE: SEE TMP-20 FOR SHORING LOCATIONS AND LIMITS.

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ENGINEERING

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Fax: 919 851 8107

TRANSPORTATION PLANNING/DESIGN - BRIDGE/STRUCTURE DESIGN  
CIVIL/SITE DESIGN - GIS/GPS - CONSTRUCTION OBSERVATION

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

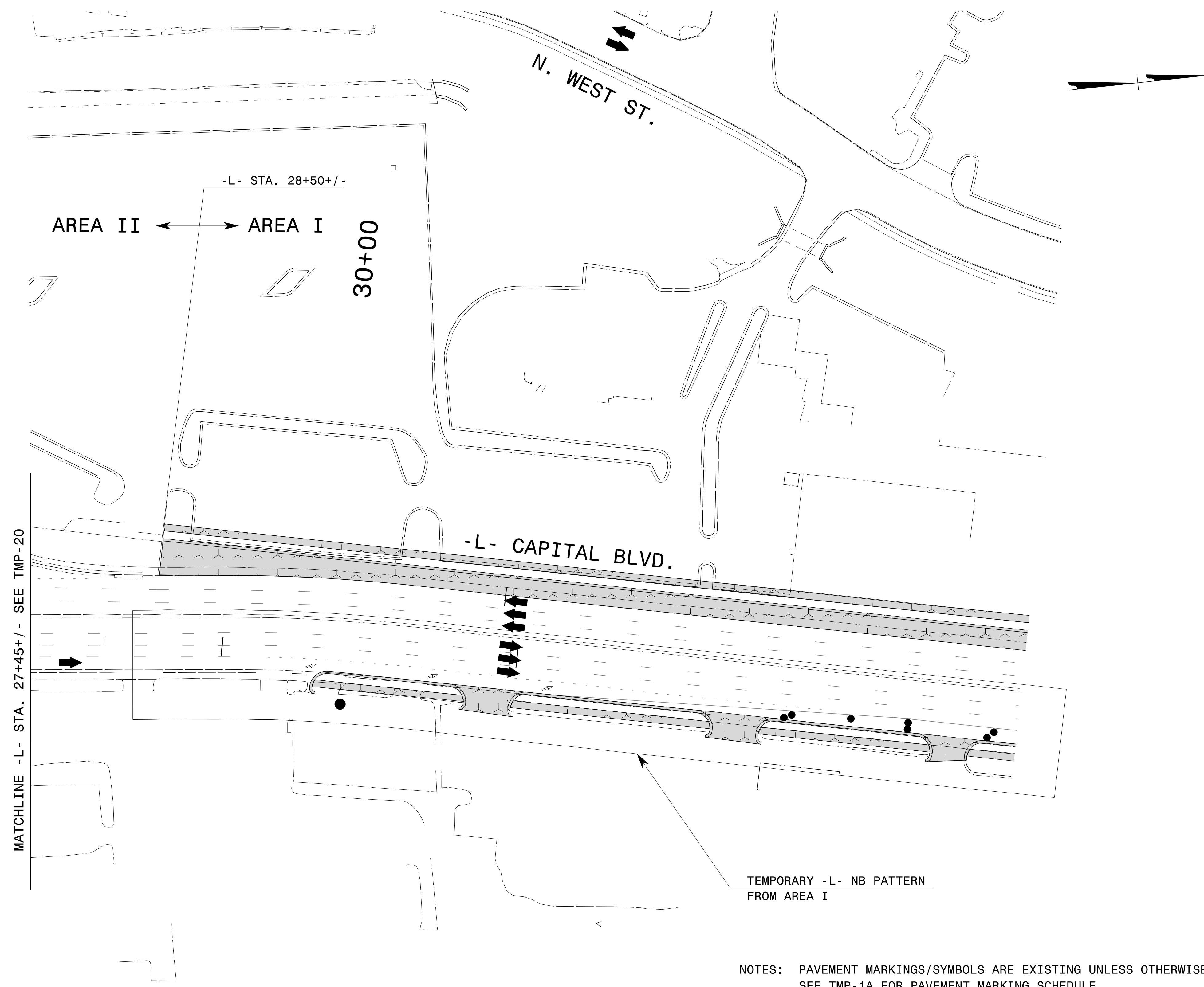
SEAL

*Edward G. Wetherill*  
10773  
2/2/2016  
ENGINEER

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

AREA II - PHASE I  
TEMPORARY TRAFFIC  
CONTROL DETAIL

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NOTES: PAVEMENT MARKINGS/SYMBOLS ARE EXISTING UNLESS OTHERWISE NOTED.  
SEE TMP-1A FOR PAVEMENT MARKING SCHEDULE.

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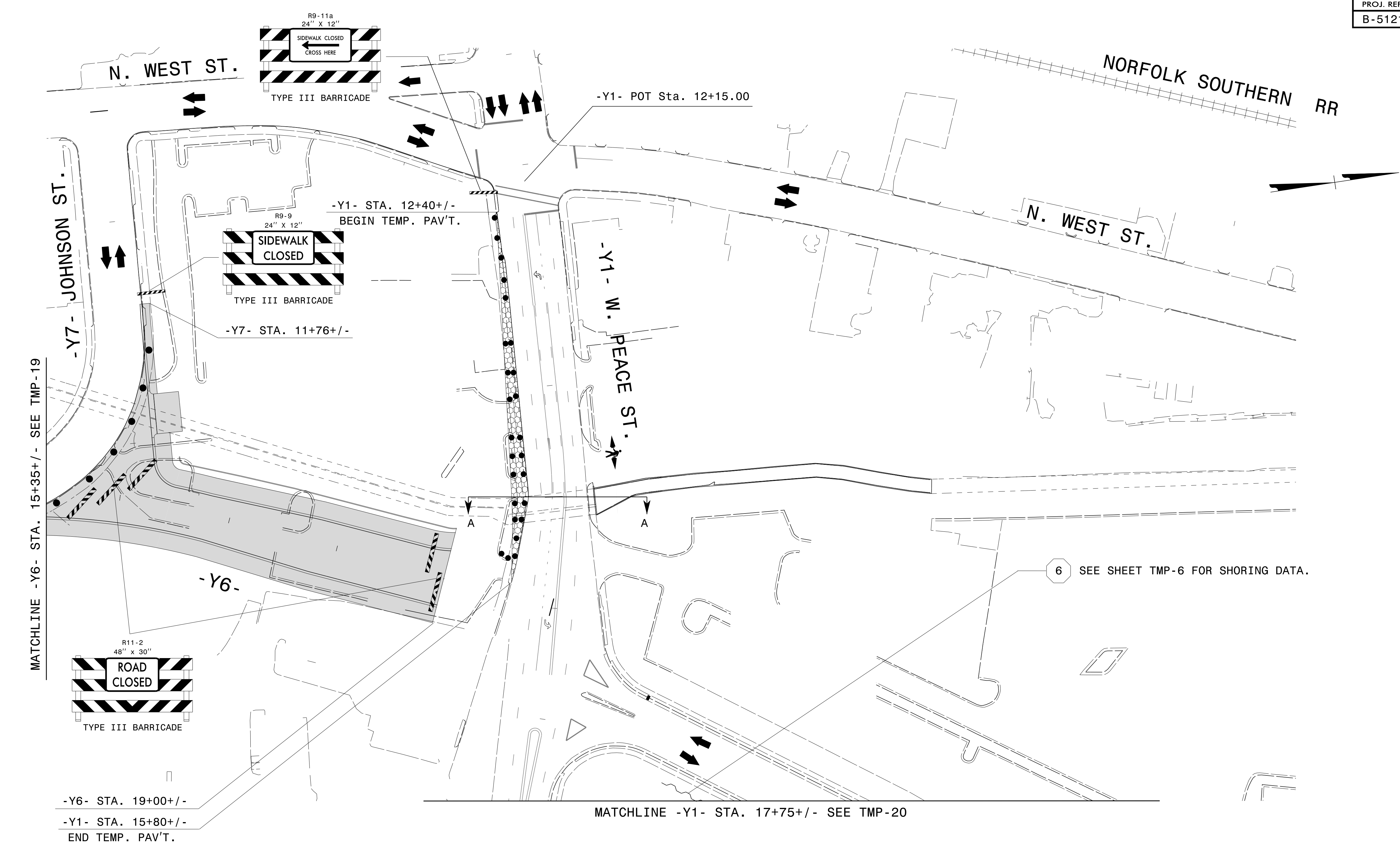
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TRANSPORTATION PLANNING/DESIGN - BRIDGE/STRUCTURE DESIGN  
CIVIL/SITE DESIGN - GIS/GPS - CONSTRUCTION OBSERVATION

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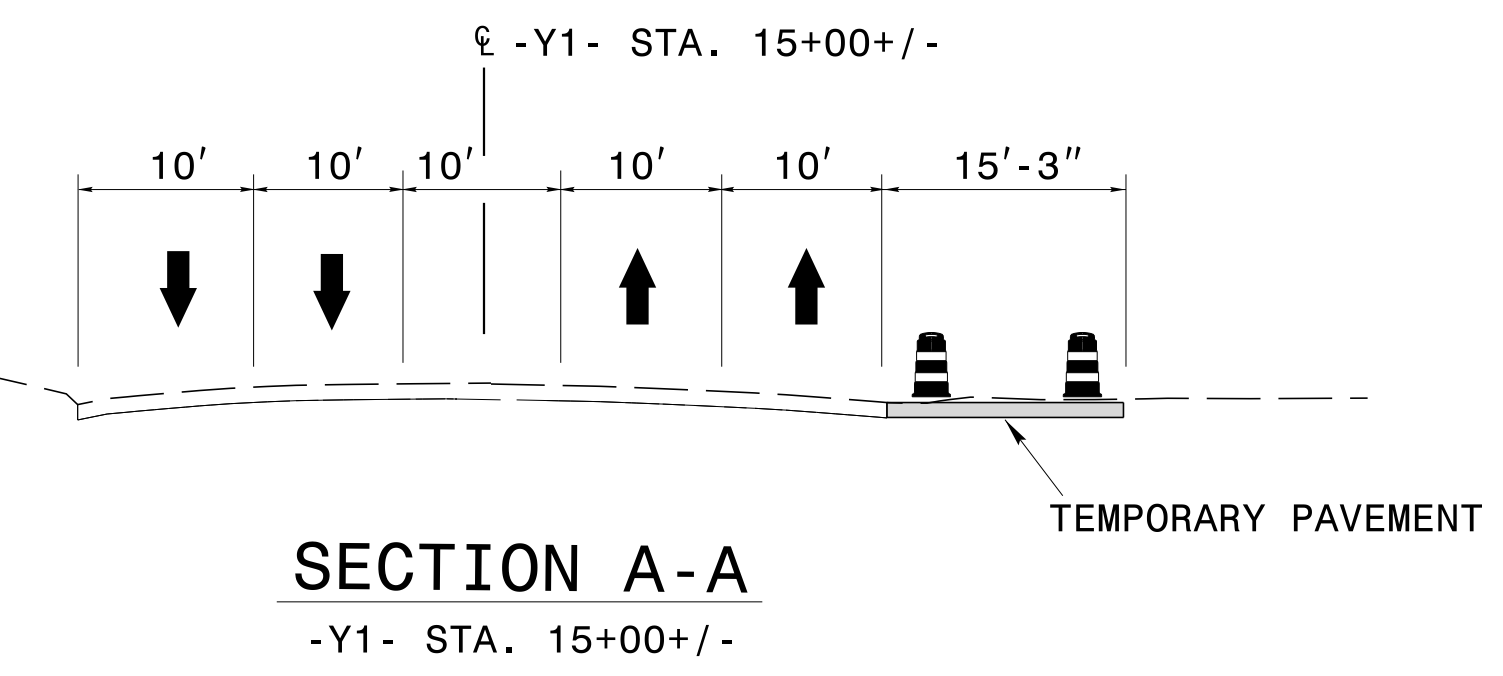
**AREA II - PHASE I  
TEMPORARY TRAFFIC  
CONTROL DETAIL**



MATCHLINE -Y6- STA. 15+35+/- - SEE TMP-19

MATCHLINE -Y1- STA. 17+75+/- SEE TMP-20

6 SEE SHEET TMP-6 FOR SHORING DATA.



SECTION A-A

-Y1- STA. 15+00+/-

NOTES: PAVEMENT MARKINGS SHOWN ARE EXISTING UNLESS OTHERWISE NOTED. SEE TMP-1A FOR PAVEMENT MARKING SCHEDULE.

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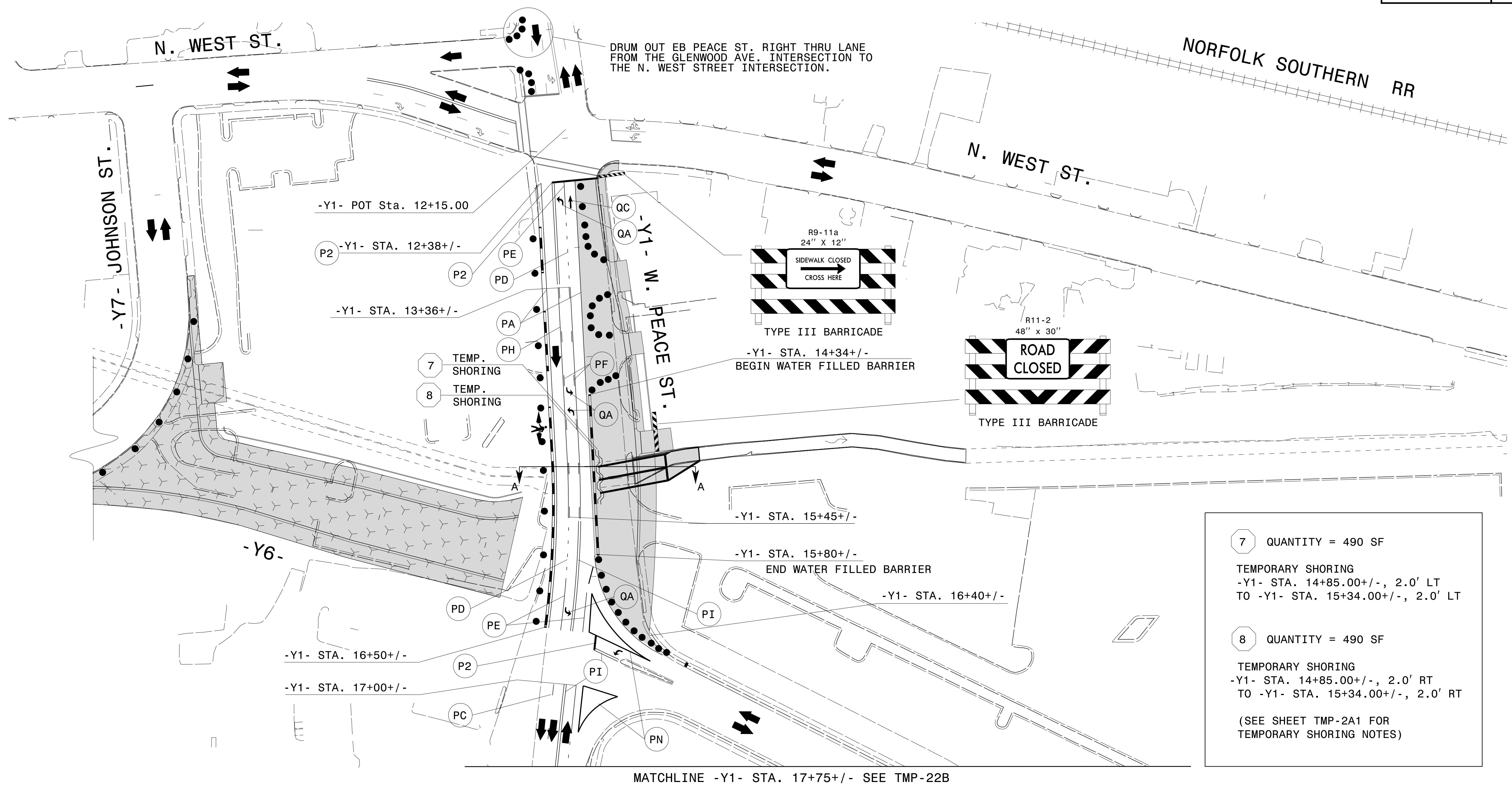
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TRANSPORTATION PLANNING/DESIGN - BRIDGE/STRUCTURE DESIGN  
CIVIL/SITE DESIGN - GIS/GPS - CONSTRUCTION OBSERVATION

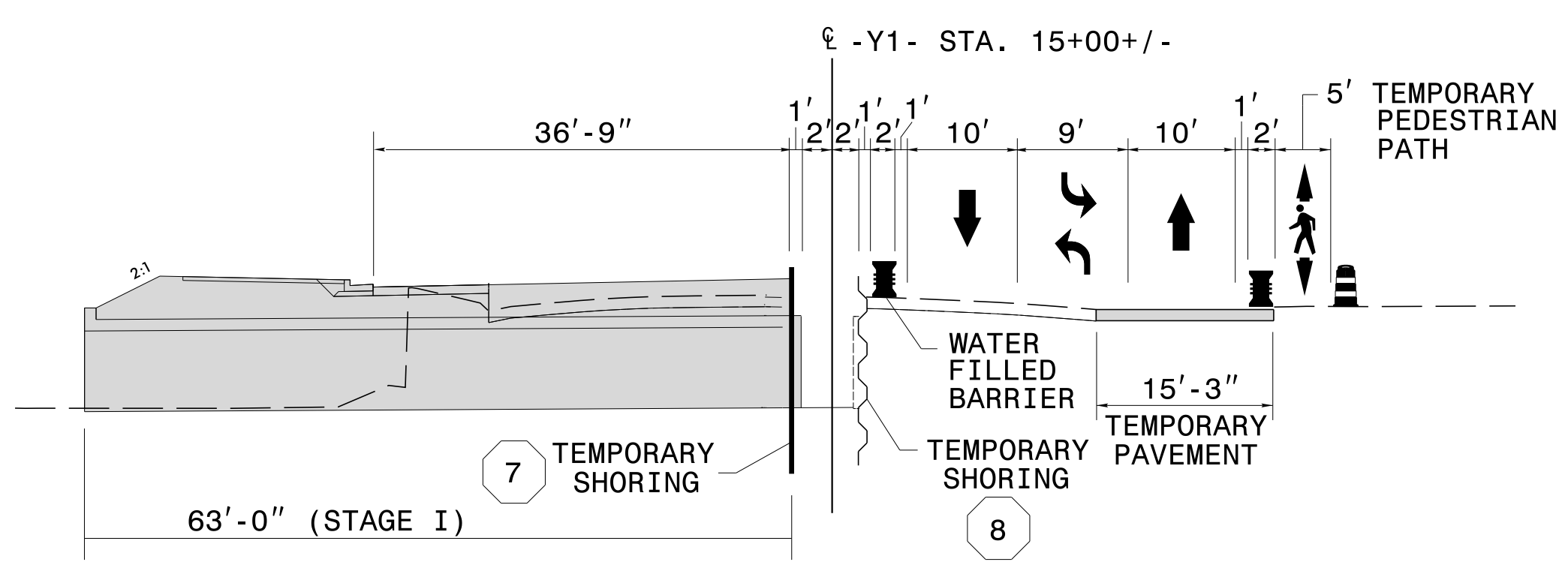
SEAL

AREA II - PHASE I  
TEMPORARY TRAFFIC  
CONTROL DETAIL

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7	QUANTITY = 490 SF
TEMPORARY SHORING	
-Y1- STA. 14+85.00+/-, 2.0' LT	
TO -Y1- STA. 15+34.00+/-, 2.0' LT	
8	QUANTITY = 490 SF
TEMPORARY SHORING	
-Y1- STA. 14+85.00+/-, 2.0' RT	
TO -Y1- STA. 15+34.00+/-, 2.0' RT	
(SEE SHEET TMP-2A1 FOR TEMPORARY SHORING NOTES)	

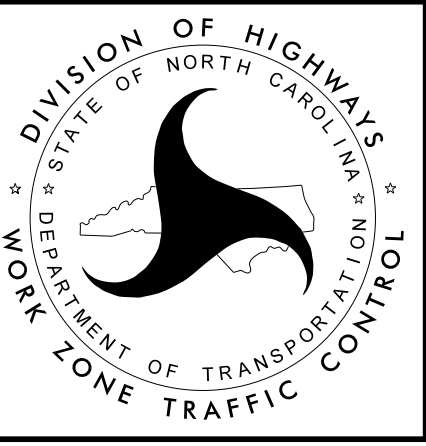


NOTES: PAVEMENT MARKINGS SHOWN ARE EXISTING UNLESS OTHERWISE NOTED.  
SEE TMP-1A FOR PAVEMENT MARKING SCHEDULE.

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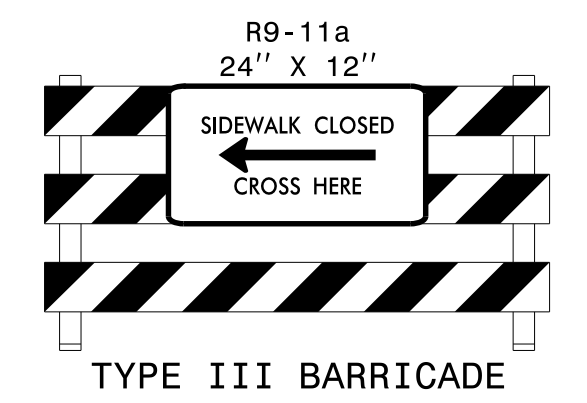
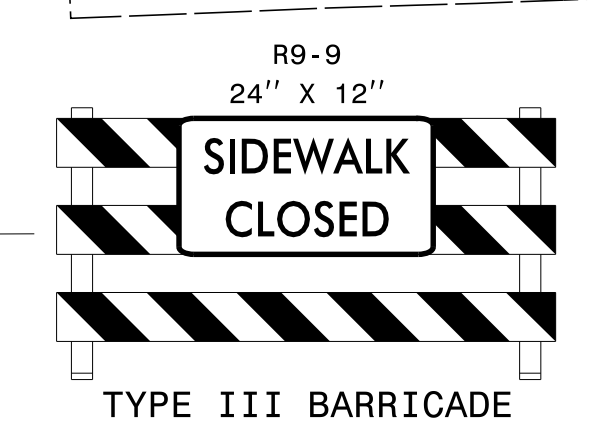
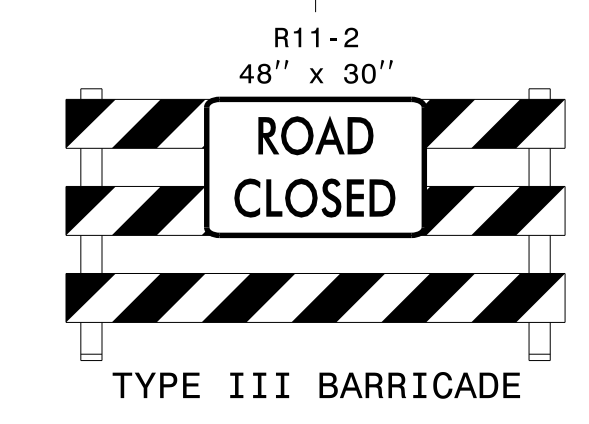
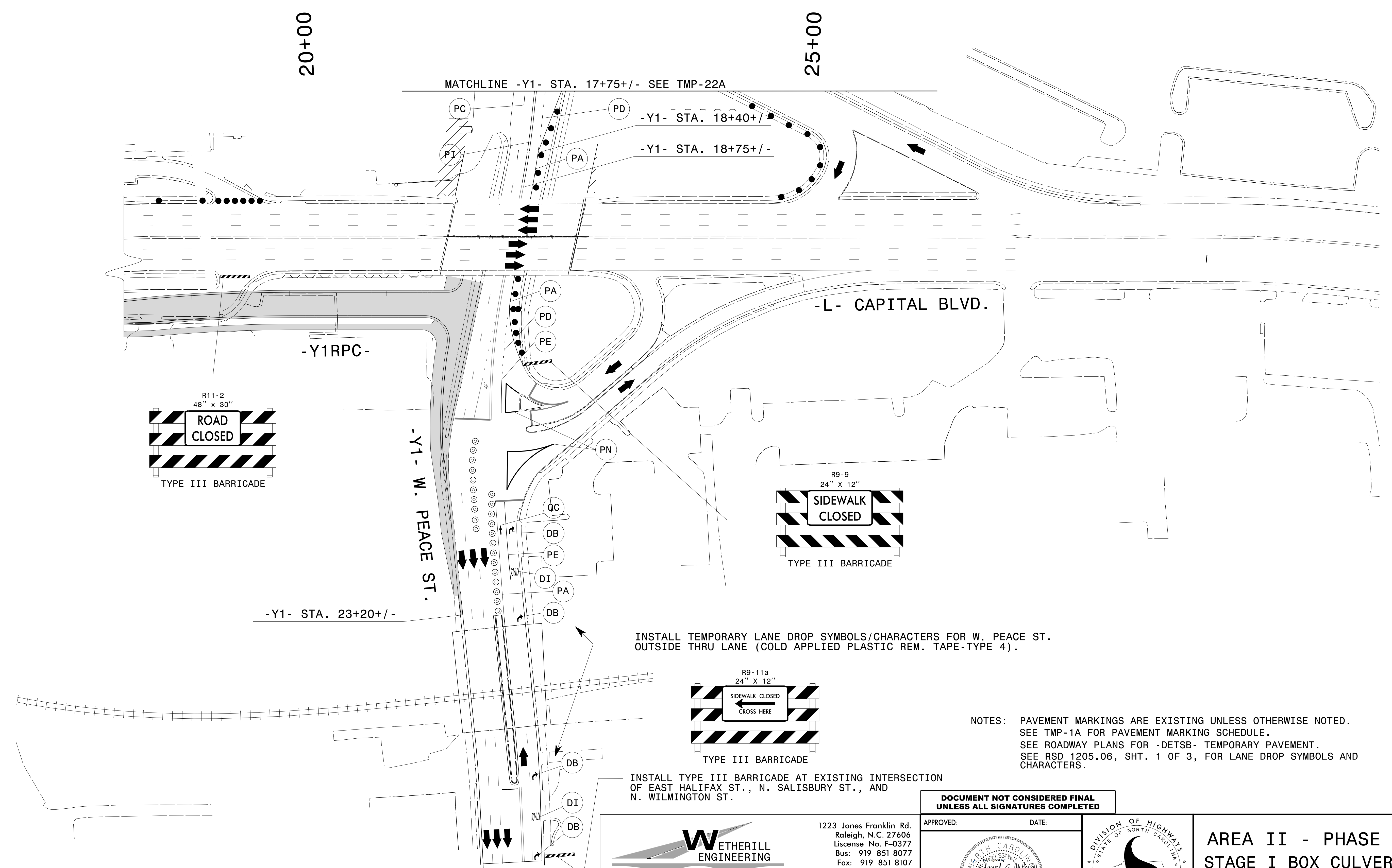
**AREA II - PHASE I  
STAGE I BOX CULVERT  
-Y1- (W. PEACE ST.)**

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ENGINEERING

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Raleigh, N.C. 27606  
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TRANSPORTATION PLANNING/DESIGN - BRIDGE/STRUCTURE DESIGN  
CIVIL/SITE DESIGN - GIS/GPS - CONSTRUCTION OBSERVATION

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 User: skennedy



-Y1- STA. 23+20+/-

-Y1- W. PEACE ST.

-L- CAPITAL BLVD.

MATCHLINE -Y1- STA. 17+75+/- SEE TMP-22A

-Y1- STA. 18+40+/-

-Y1- STA. 18+75+/-

INSTALL TEMPORARY LANE DROP SYMBOLS/CHARACTERS FOR W. PEACE ST. OUTSIDE THRU LANE (COLD APPLIED PLASTIC REM. TAPE-TYPE 4).

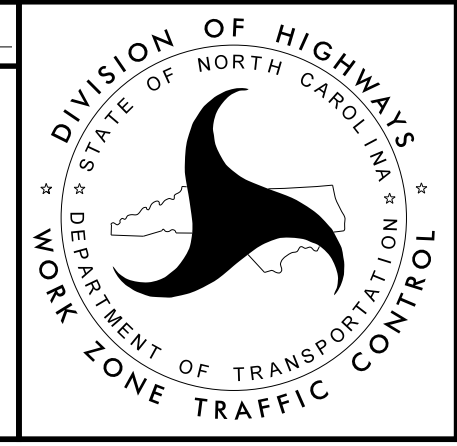
INSTALL TYPE III BARRICADE AT EXISTING INTERSECTION OF EAST HALIFAX ST., N. SALISBURY ST., AND N. WILMINGTON ST.

NOTES: PAVEMENT MARKINGS ARE EXISTING UNLESS OTHERWISE NOTED. SEE TMP-1A FOR PAVEMENT MARKING SCHEDULE. SEE ROADWAY PLANS FOR -DETSB- TEMPORARY PAVEMENT. SEE RSD 1205.06, SHT. 1 OF 3, FOR LANE DROP SYMBOLS AND CHARACTERS.

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**AREA II - PHASE I  
STAGE I BOX CULVERT  
-Y1- (W. PEACE ST.)**

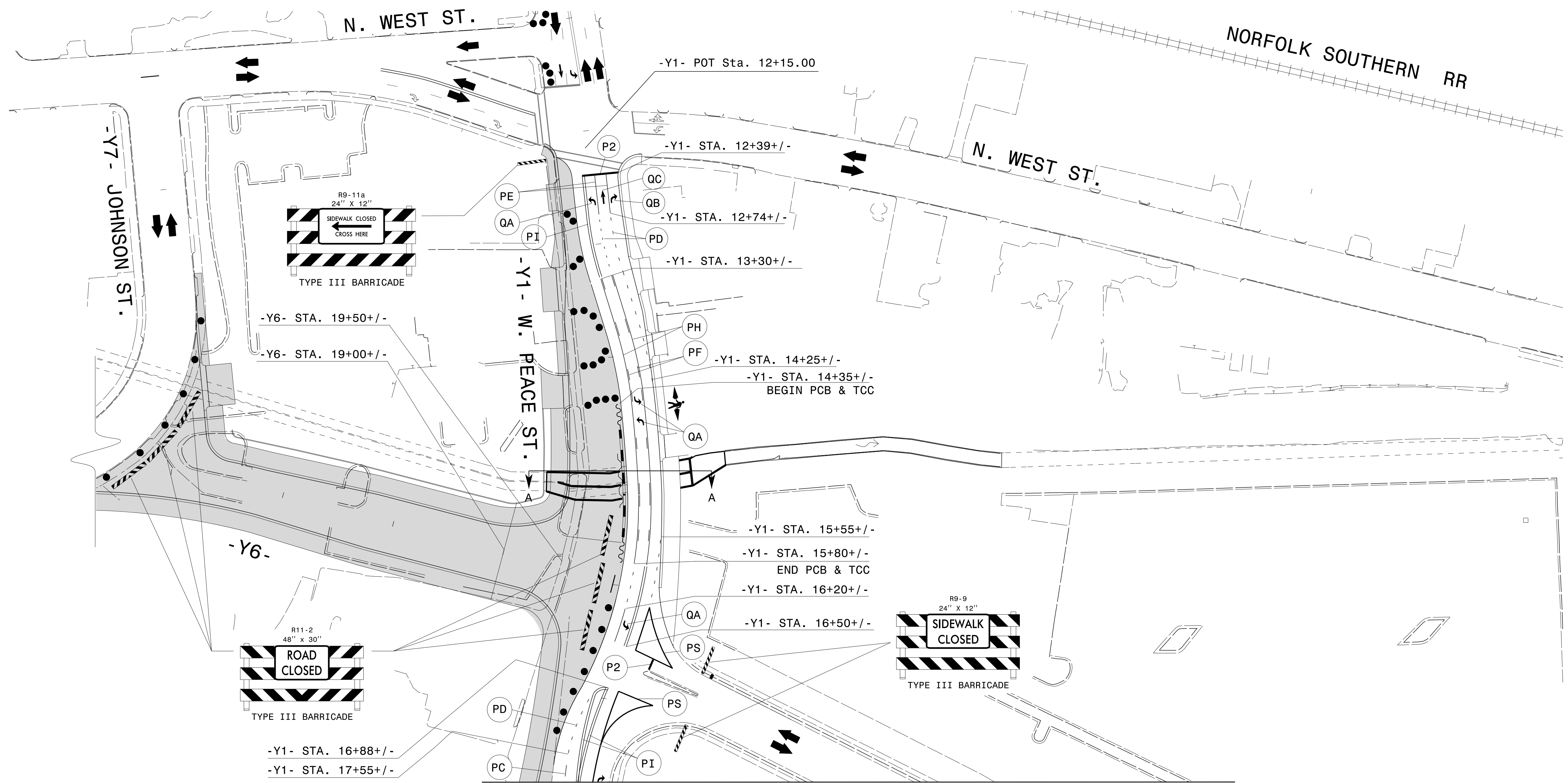
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Bus: 919 851 8077  
Fax: 919 851 8107

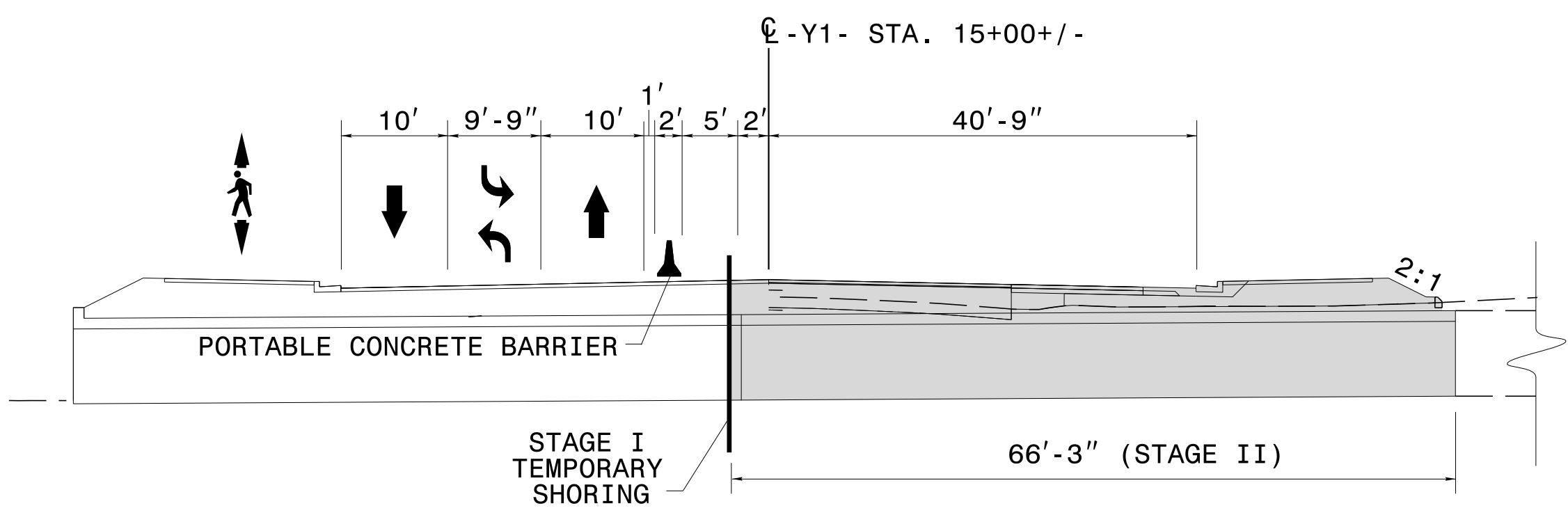
TRANSPORTATION PLANNING/DESIGN - BRIDGE/STRUCTURE DESIGN  
CIVIL/SITE DESIGN - GIS/GPS - CONSTRUCTION OBSERVATION

2/1/2016  
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 User: skennedy





MATCHLINE -Y1- STA. 17+75+/- SEE TMP-22D



NOTES: PAVEMENT MARKINGS SHOWN ARE EXISTING UNLESS OTHERWISE NOTED. SEE TMP-1A FOR PAVEMENT MARKING SCHEDULE.

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TRANSPORTATION PLANNING/DESIGN - BRIDGE/STRUCTURE DESIGN  
CIVIL/SITE DESIGN - GIS/GPS - CONSTRUCTION OBSERVATION

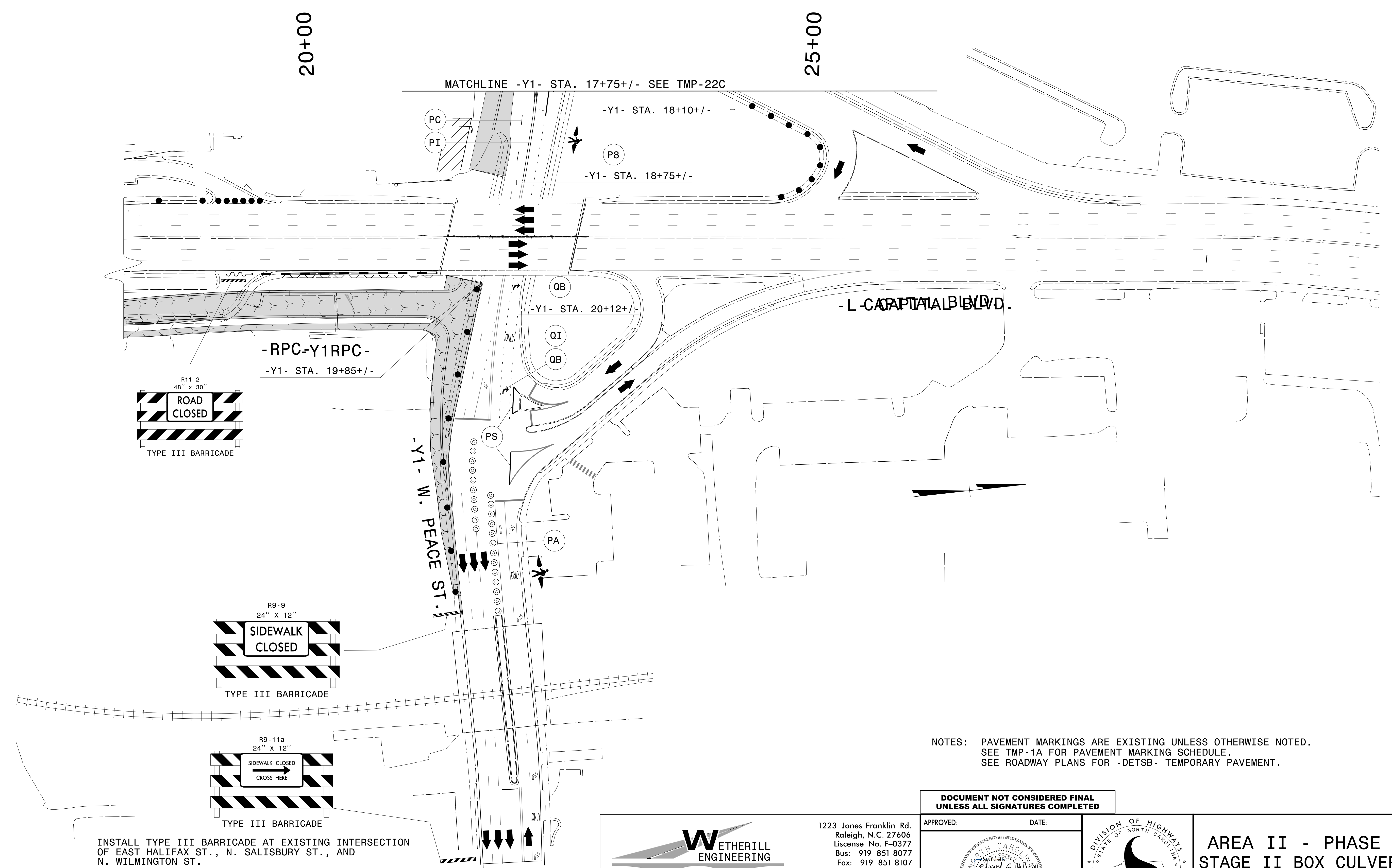
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WORK ZONE TRAFFIC CONTROL

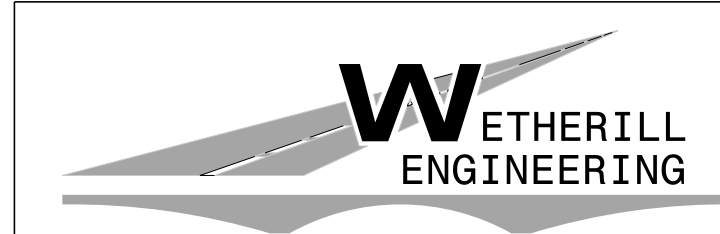
**AREA II - PHASE I  
STAGE II BOX CULVERT  
-Y1- (W. PEACE ST.)**

2/1/2016 P:\2014\B-5121\B-5317\TrafficControl\Top\Current TMP Files\LANE'S CURRENT\Peace St\B5121B5317\_TC\_TMP\_Peace\_psh22C.dgn User:skennedy



NOTES: PAVEMENT MARKINGS ARE EXISTING UNLESS OTHERWISE NOTED.  
 SEE TMP-1A FOR PAVEMENT MARKING SCHEDULE.  
 SEE ROADWAY PLANS FOR -DTSB- TEMPORARY PAVEMENT.

INSTALL TYPE III BARRICADE AT EXISTING INTERSECTION OF EAST HALIFAX ST., N. SALISBURY ST., AND N. WILMINGTON ST.

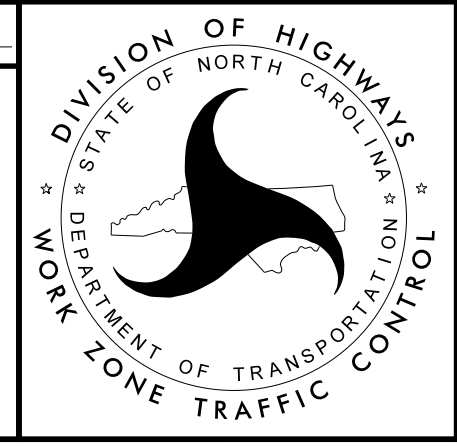


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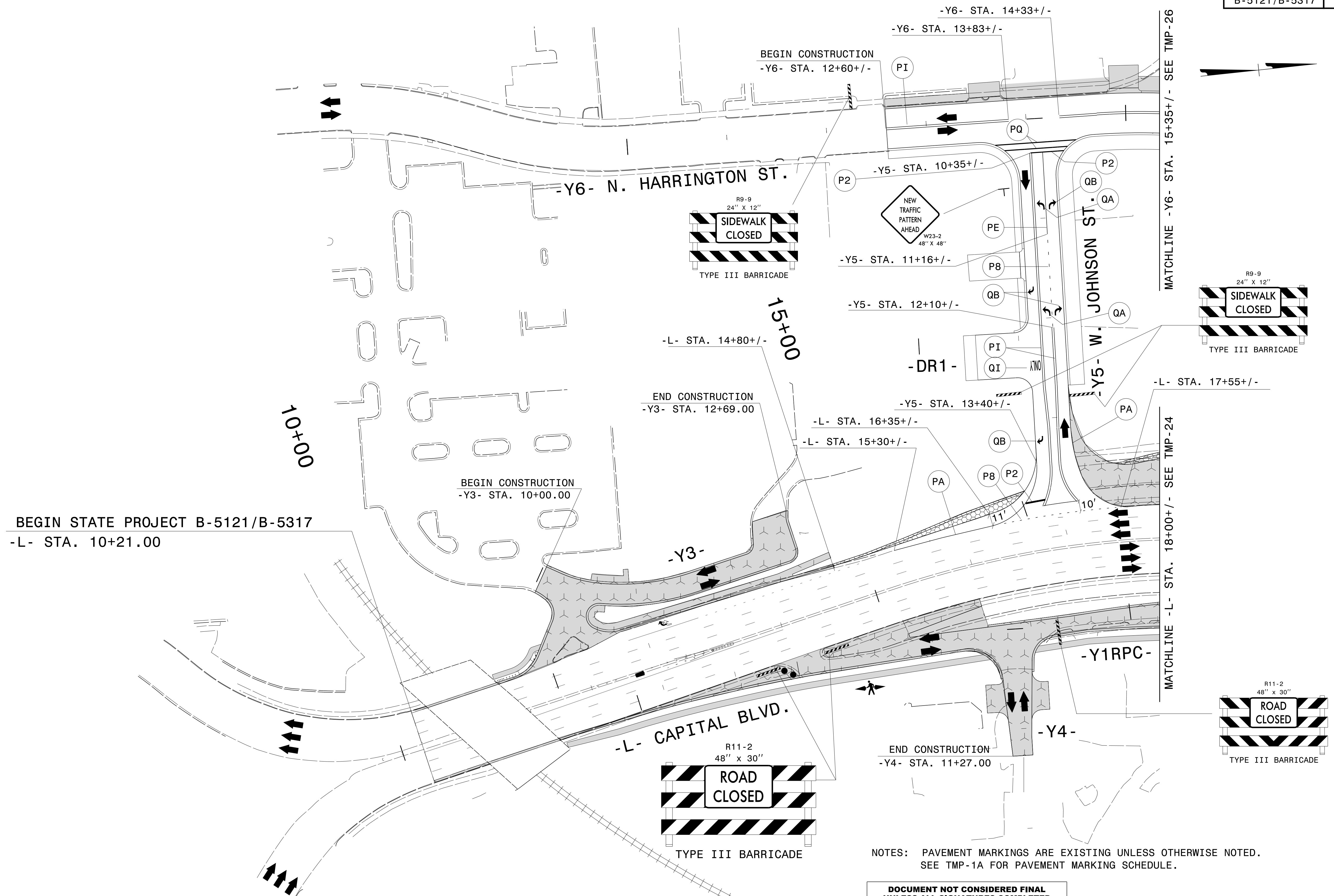
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**AREA II - PHASE I  
 STAGE II BOX CULVERT  
 -Y1- (W. PEACE ST.)**

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BEGIN STATE PROJECT B-5121/B-5317  
-L- STA. 10+21.00

NOTES: PAVEMENT MARKINGS ARE EXISTING UNLESS OTHERWISE NOTED.  
SEE TMP-1A FOR PAVEMENT MARKING SCHEDULE.

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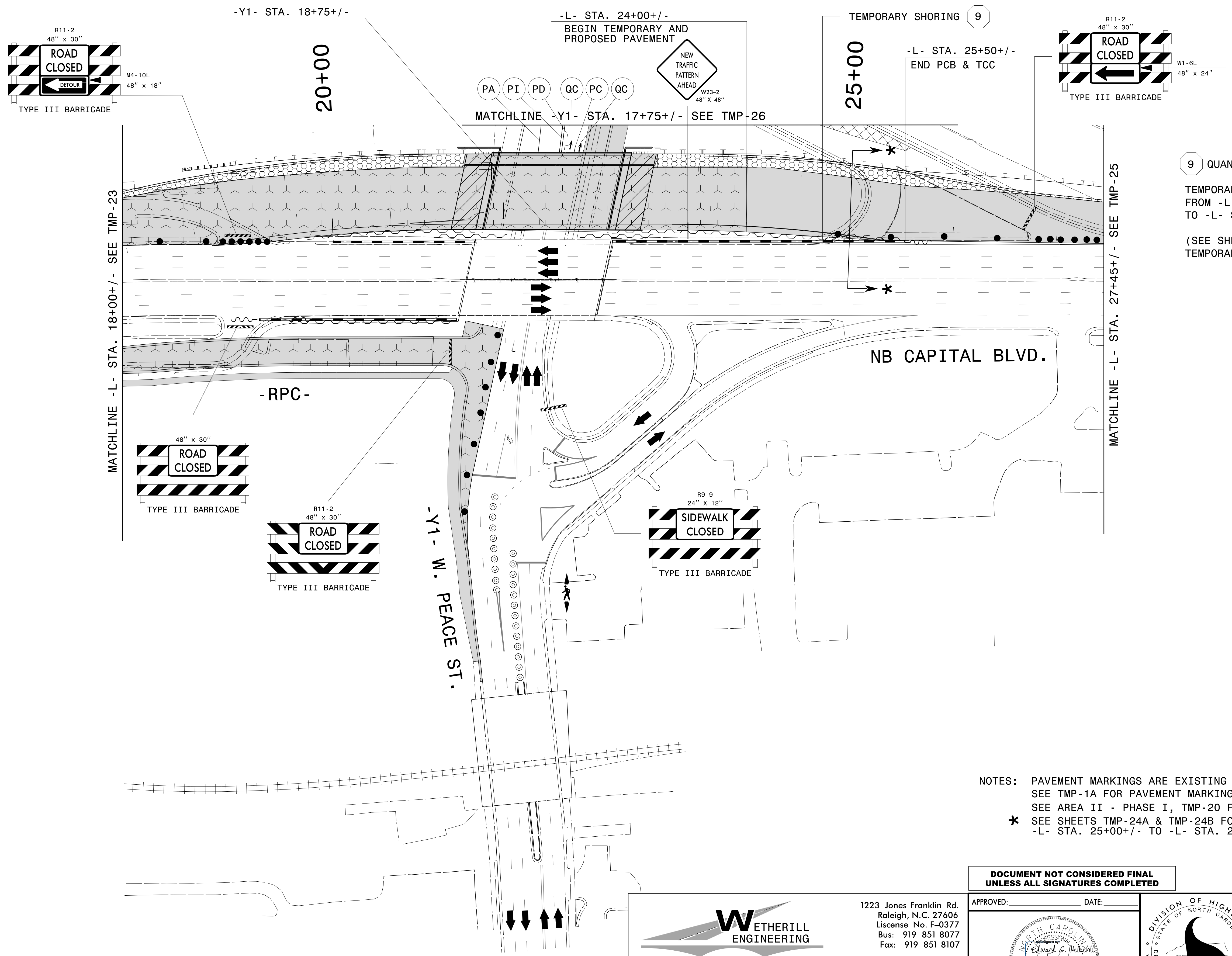
TRANSPORTATION PLANNING/DESIGN - BRIDGE/STRUCTURE DESIGN  
CIVIL/SITE DESIGN - GIS/GPS - CONSTRUCTION OBSERVATION

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**AREA II - PHASE II  
TEMPORARY TRAFFIC  
CONTROL DETAIL**

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9 QUANTITY = 375 SF  
 TEMPORARY SHORING  
 FROM -L- STA. 24+00+/-, 10'+/- RT.  
 TO -L- STA. 25+25+/-, 10'+/- RT.  
 (SEE SHEET TMP-2A1 FOR  
 TEMPORARY SHORING NOTES)

NOTES: PAVEMENT MARKINGS ARE EXISTING UNLESS OTHERWISE NOTED.  
 SEE TMP-1A FOR PAVEMENT MARKING SCHEDULE.  
 SEE AREA II - PHASE I, TMP-20 FOR BRIDGE STAGING TYPICAL SECTION.  
 \* SEE SHEETS TMP-24A & TMP-24B FOR CROSS SECTIONS FROM  
 -L- STA. 25+00+/- TO -L- STA. 27+00+/-

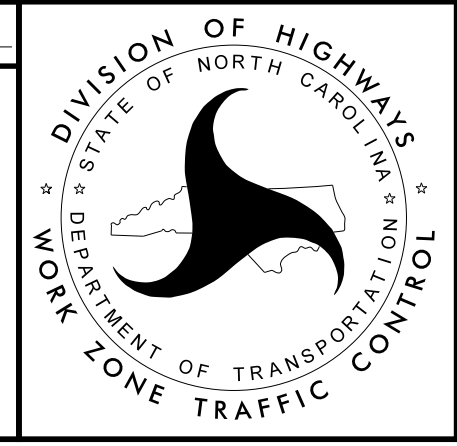
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 TRANSPORTATION PLANNING/DESIGN - BRIDGE/STRUCTURE DESIGN  
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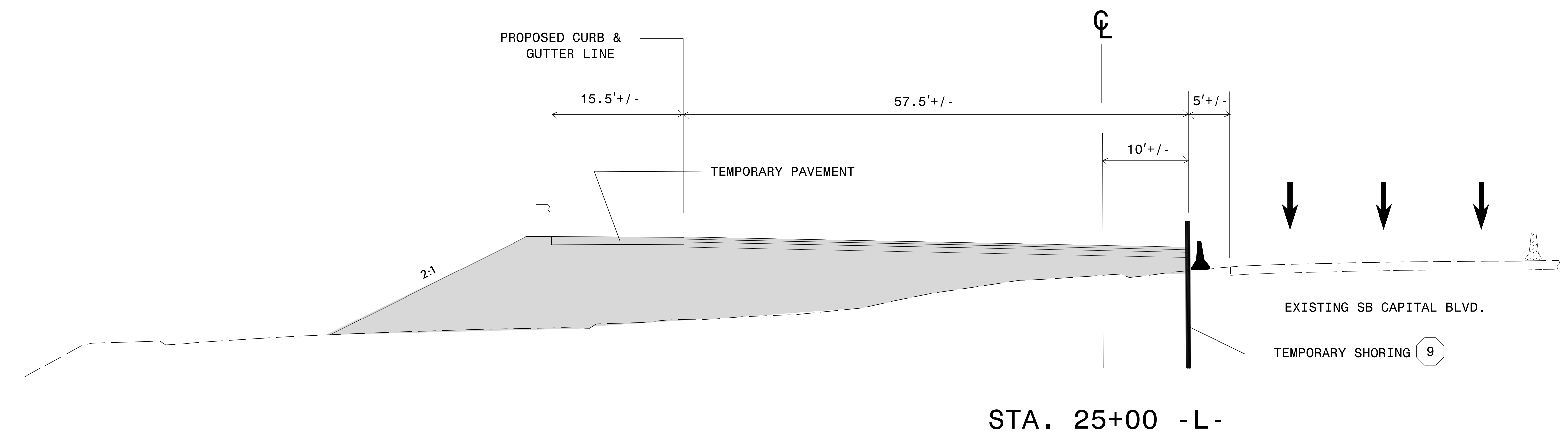
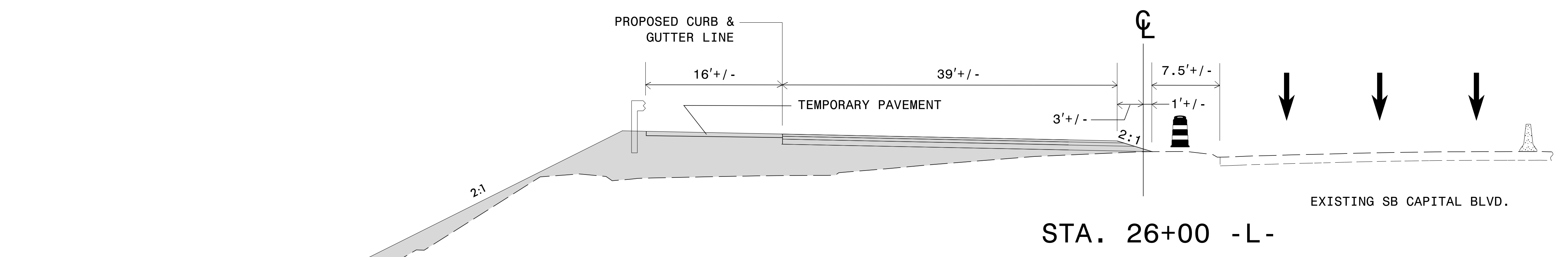
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**AREA II - PHASE II  
 TEMPORARY TRAFFIC  
 CONTROL DETAIL**

2/1/2016  
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NOTE: SEE TMP-24 FOR TEMPORARY SHORING LOCATIONS AND LIMITS.

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CIVIL/SITE DESIGN - GIS/GPS - CONSTRUCTION OBSERVATION

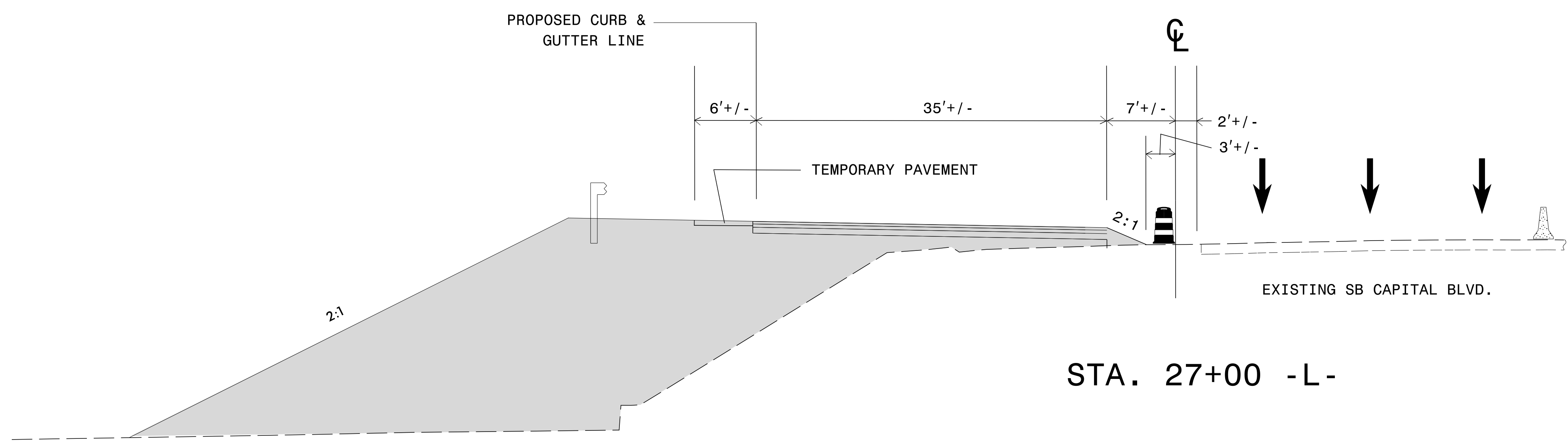
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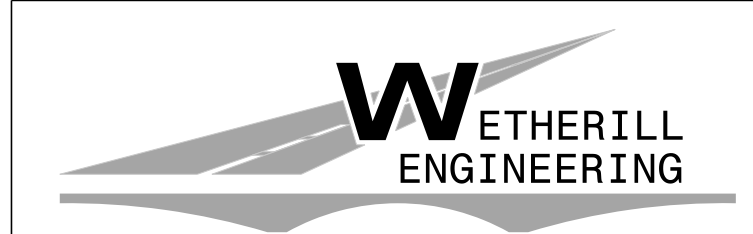
AREA II - PHASE II  
TEMPORARY TRAFFIC  
CONTROL DETAIL

2/1/2016  
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 User:skennedy

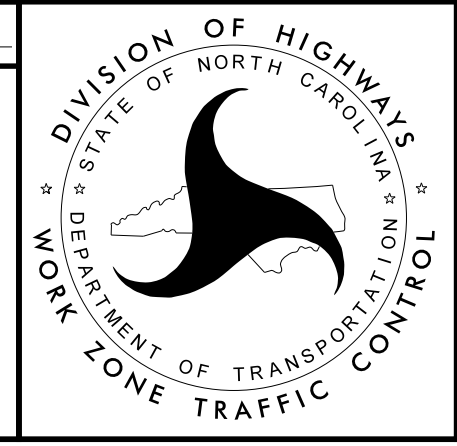
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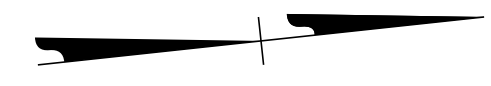
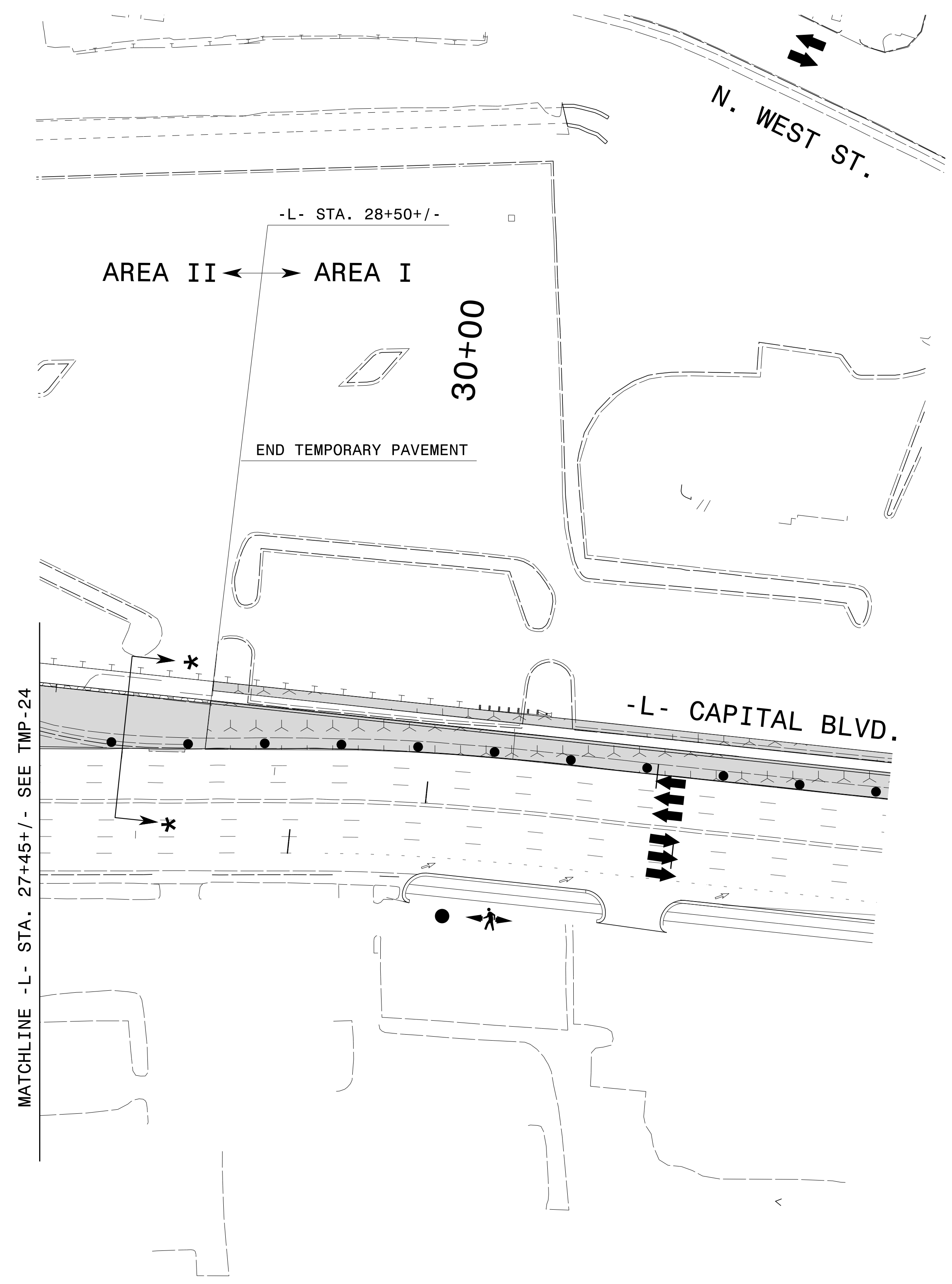
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TRANSPORTATION PLANNING/DESIGN - BRIDGE/STRUCTURE DESIGN  
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**AREA II - PHASE II  
 TEMPORARY TRAFFIC  
 CONTROL DETAIL**



\* SEE SHEET TMP-25A FOR  
CROSS SECTIONS FROM  
STA. 28+00 -L- TO STA. 28+50 -L-

NOTES: PAVEMENT MARKINGS ARE EXISTING UNLESS OTHERWISE NOTED.  
SEE AREA I (WADE AVE.) FOR NB CAPITAL BLVD. ALIGNMENT SHIFT.

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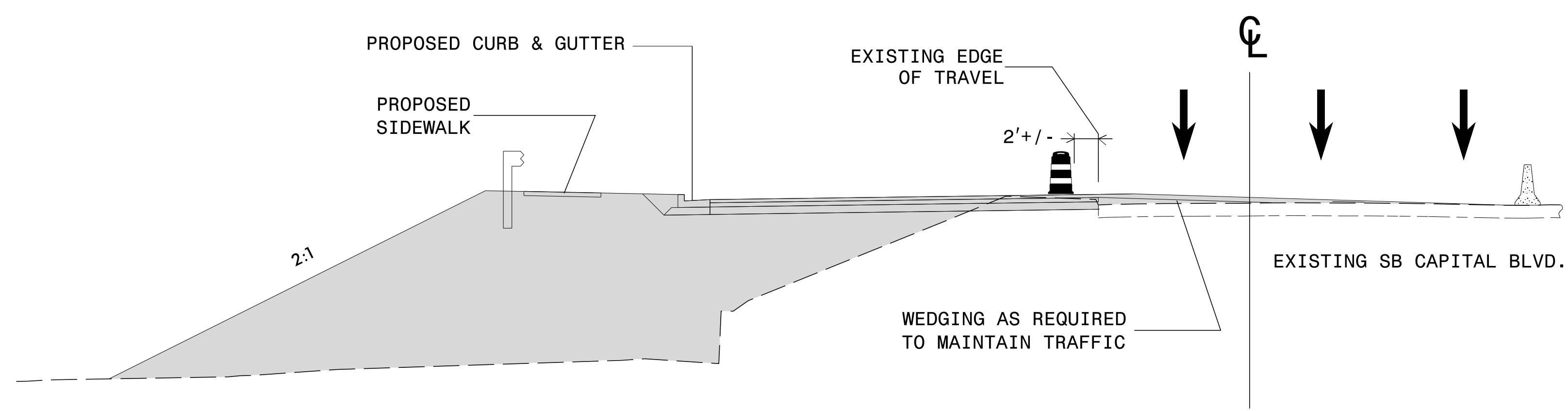
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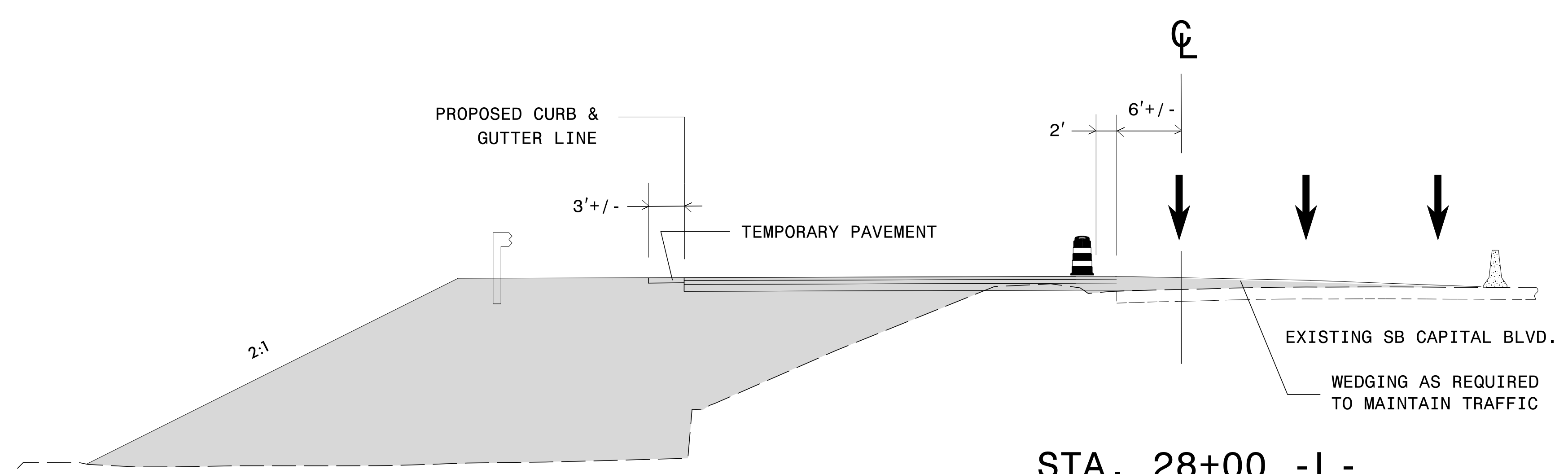
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CIVIL/SITE DESIGN - GIS/GPS - CONSTRUCTION OBSERVATION

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AREA II - PHASE II  
TEMPORARY TRAFFIC  
CONTROL DETAIL



STA. 28+50 -L-



STA. 28+00 -L-

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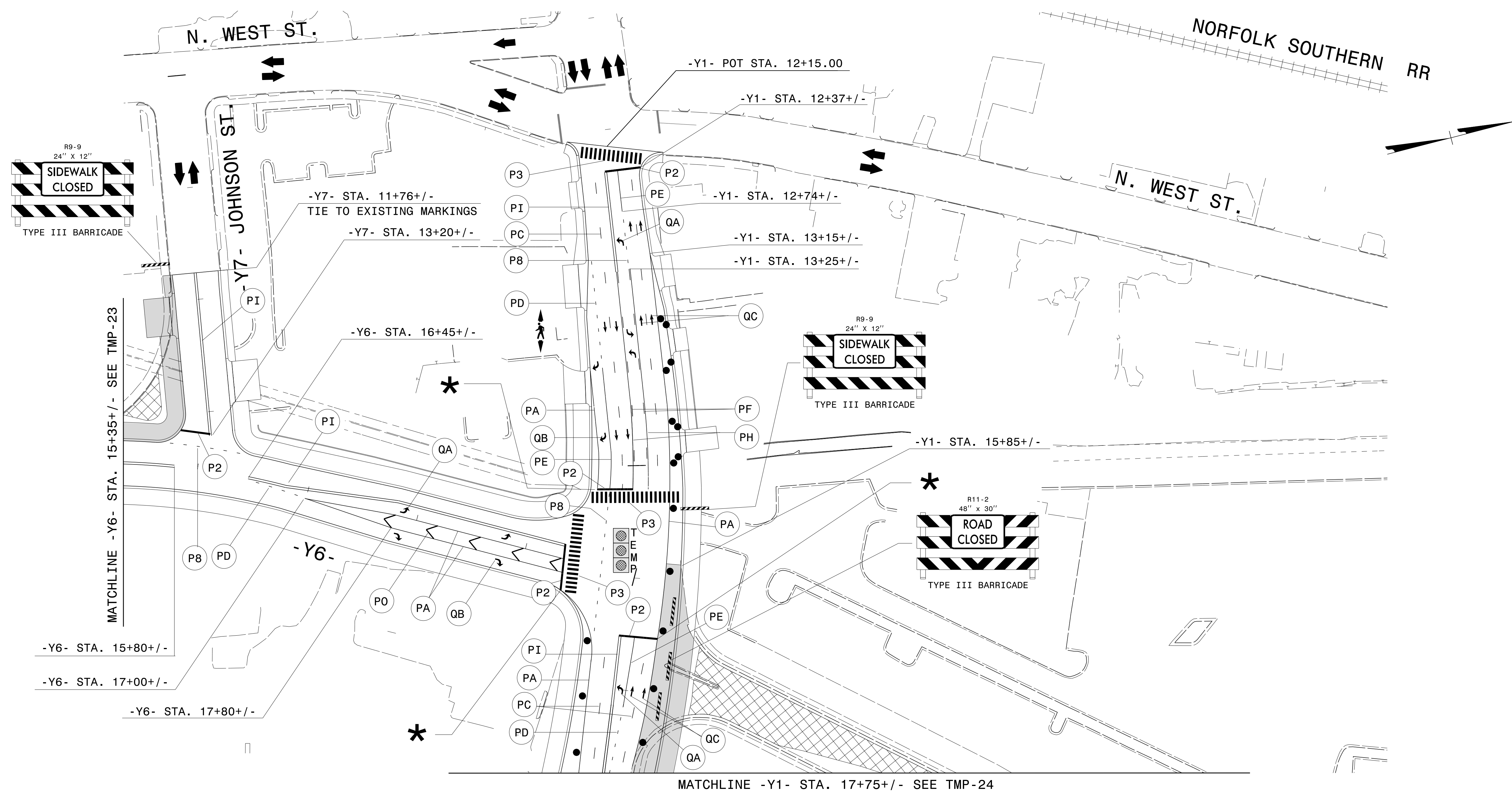
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CIVIL/SITE DESIGN - GIS/GPS - CONSTRUCTION OBSERVATION

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AREA II - PHASE II  
TEMPORARY TRAFFIC  
CONTROL DETAIL

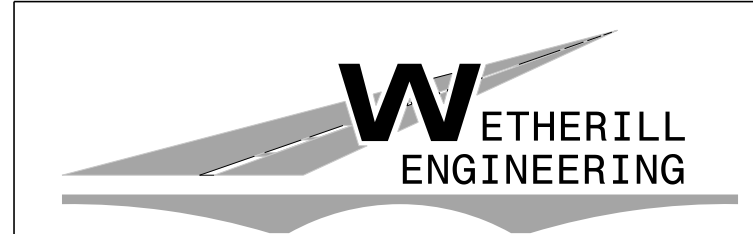




\* SEE SIGNAL PLANS FOR STOP-BAR LOCATIONS.

NOTES: SEE TMP-1A FOR PAVEMENT MARKING SCHEDULE.  
SEE SIGNAL PLANS FOR TEMPORARY SIGNAL DESIGN.

2/1/2016  
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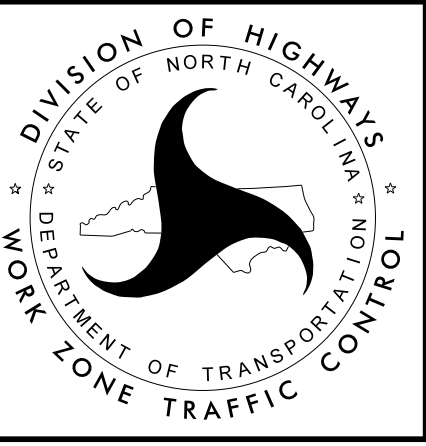


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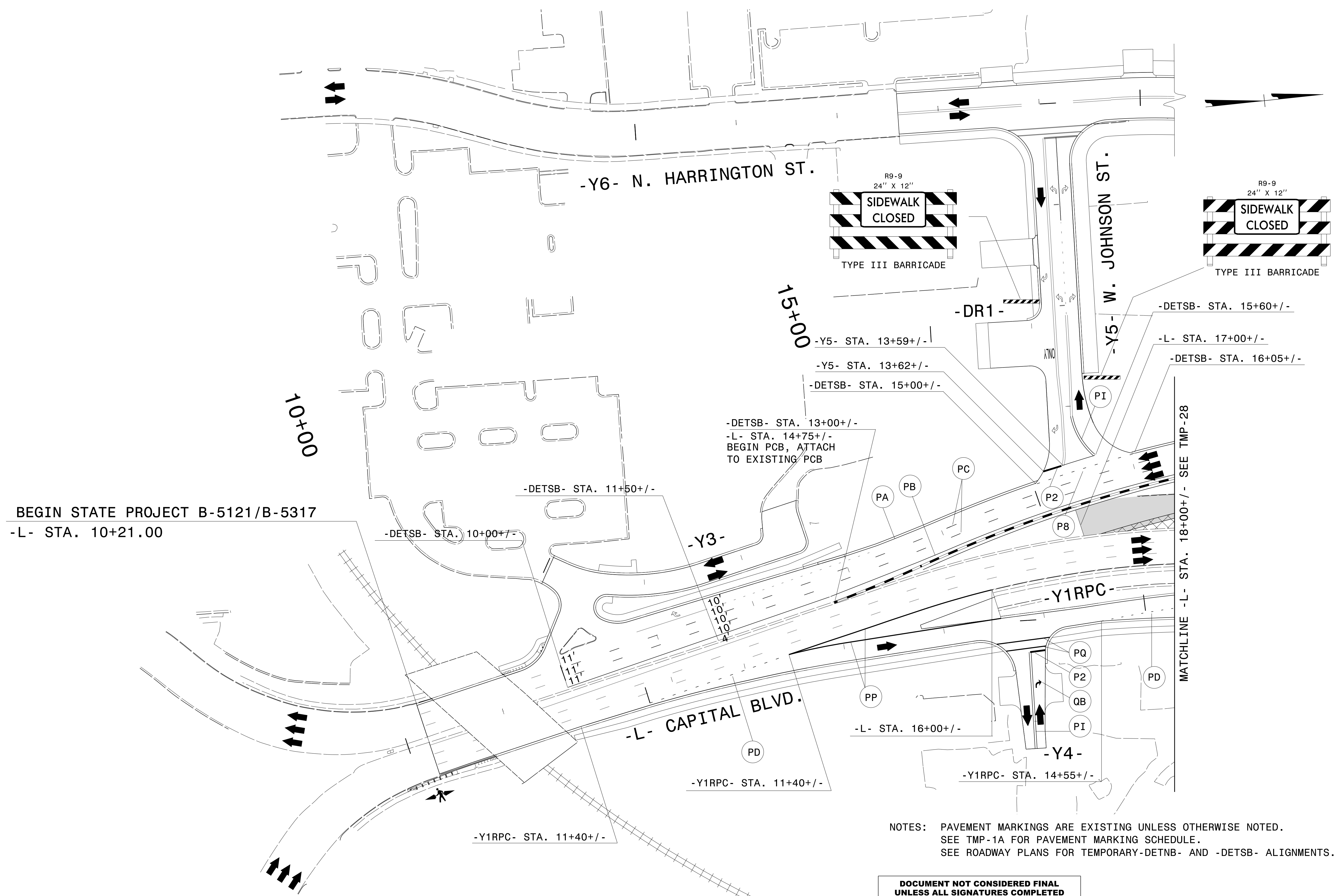
TRANSPORTATION PLANNING/DESIGN - BRIDGE/STRUCTURE DESIGN  
 CIVIL/SITE DESIGN - GIS/GPS - CONSTRUCTION OBSERVATION

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**AREA II - PHASE II  
 TEMPORARY TRAFFIC  
 CONTROL DETAIL**



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-L- STA. 10+21.00

NOTES: PAVEMENT MARKINGS ARE EXISTING UNLESS OTHERWISE NOTED.  
SEE TMP-1A FOR PAVEMENT MARKING SCHEDULE.  
SEE ROADWAY PLANS FOR TEMPORARY-DETNB- AND -DETSB- ALIGNMENTS.

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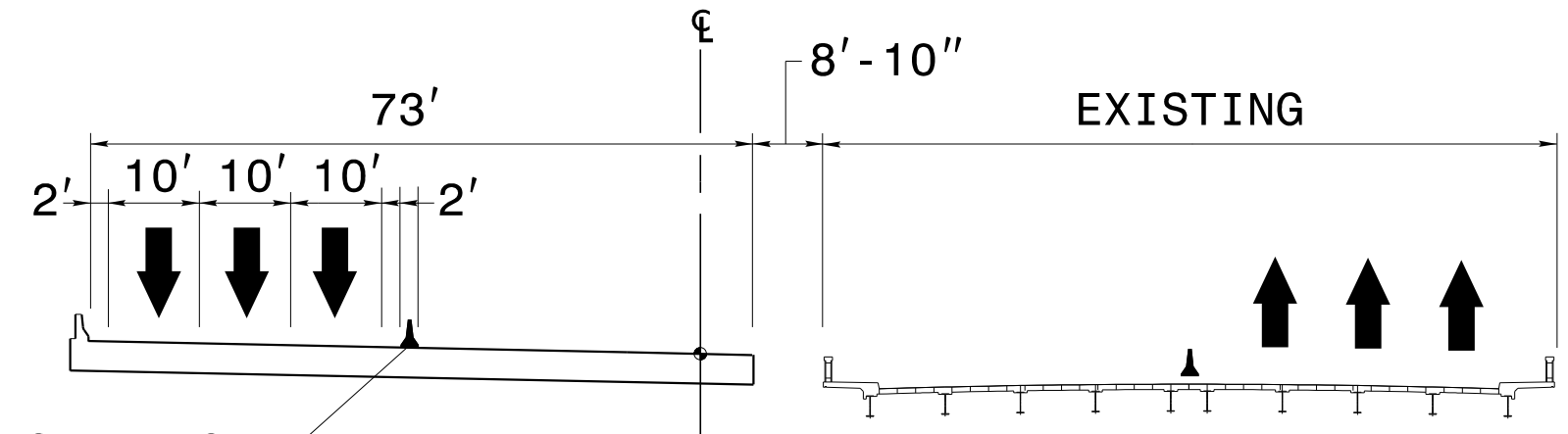
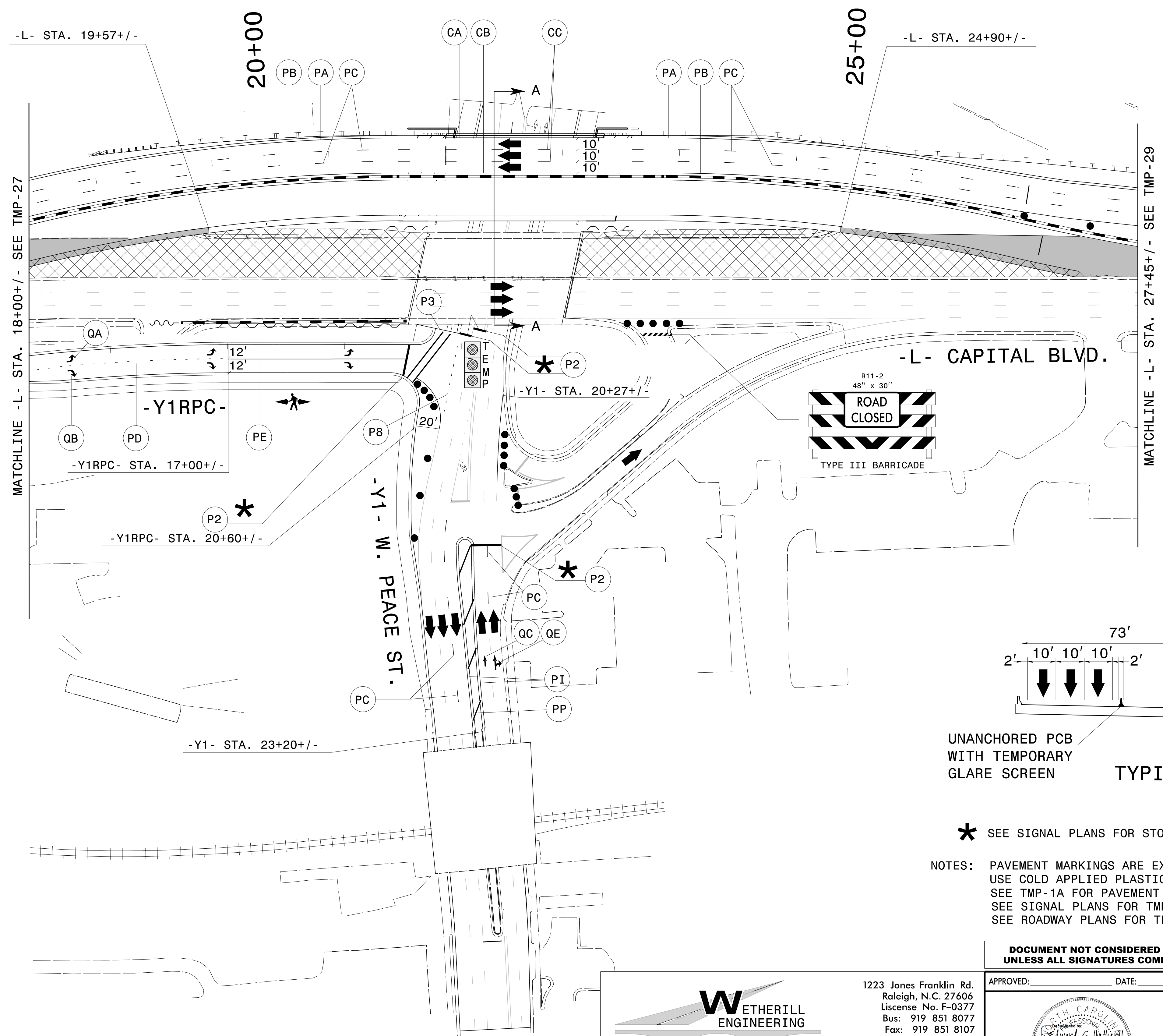
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TRANSPORTATION PLANNING/DESIGN - BRIDGE/STRUCTURE DESIGN  
CIVIL/SITE DESIGN - GIS/GPS - CONSTRUCTION OBSERVATION

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**AREA II - PHASE III  
TEMPORARY TRAFFIC  
CONTROL DETAIL**



UNANCHORED PCB WITH TEMPORARY GLARE SCREEN  
**TYPICAL SECTION A-A**  
 -L- STA. 22+00+/-

\* SEE SIGNAL PLANS FOR STOP-BAR LOCATIONS.

NOTES: PAVEMENT MARKINGS ARE EXISTING UNLESS OTHERWISE NOTED.  
 USE COLD APPLIED PLASTIC TYPE 4 - REMOVABLE TAPE ON CONCRETE BRIDGE DECK.  
 SEE TMP-1A FOR PAVEMENT MARKING SCHEDULE.  
 SEE SIGNAL PLANS FOR TMEPORARY SIGNAL DESIGN.  
 SEE ROADWAY PLANS FOR TEMPORARY-DETNB- AND -DETSB- ALIGNMENTS.

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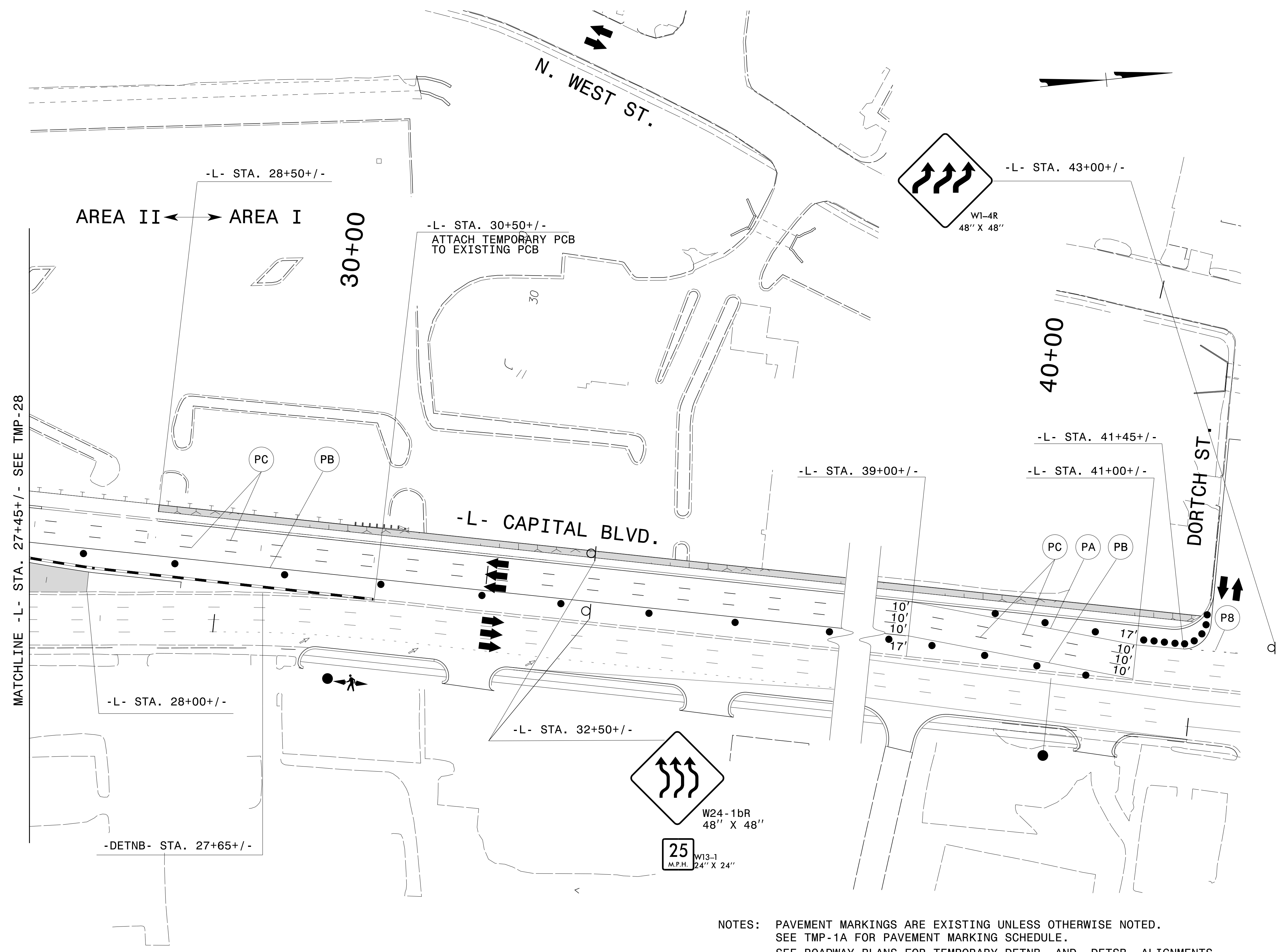
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TRANSPORTATION PLANNING/DESIGN - BRIDGE/STRUCTURE DESIGN  
 CIVIL/SITE DESIGN - GIS/GPS - CONSTRUCTION OBSERVATION

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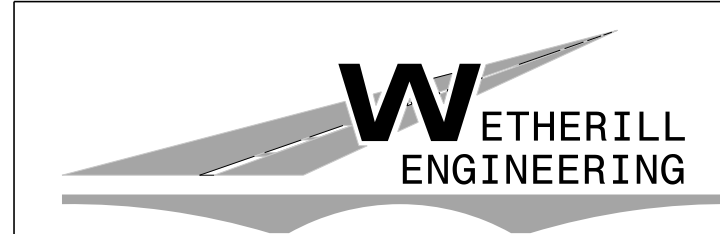
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AREA II - PHASE III  
 TEMPORARY TRAFFIC  
 CONTROL DETAIL



NOTES: PAVEMENT MARKINGS ARE EXISTING UNLESS OTHERWISE NOTED.  
 SEE TMP-1A FOR PAVEMENT MARKING SCHEDULE.  
 SEE ROADWAY PLANS FOR TEMPORARY-DETNB- AND -DETSB- ALIGNMENTS.

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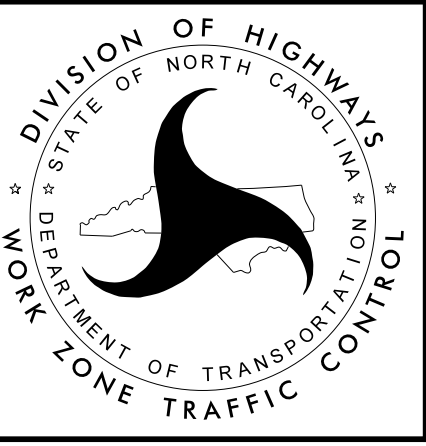


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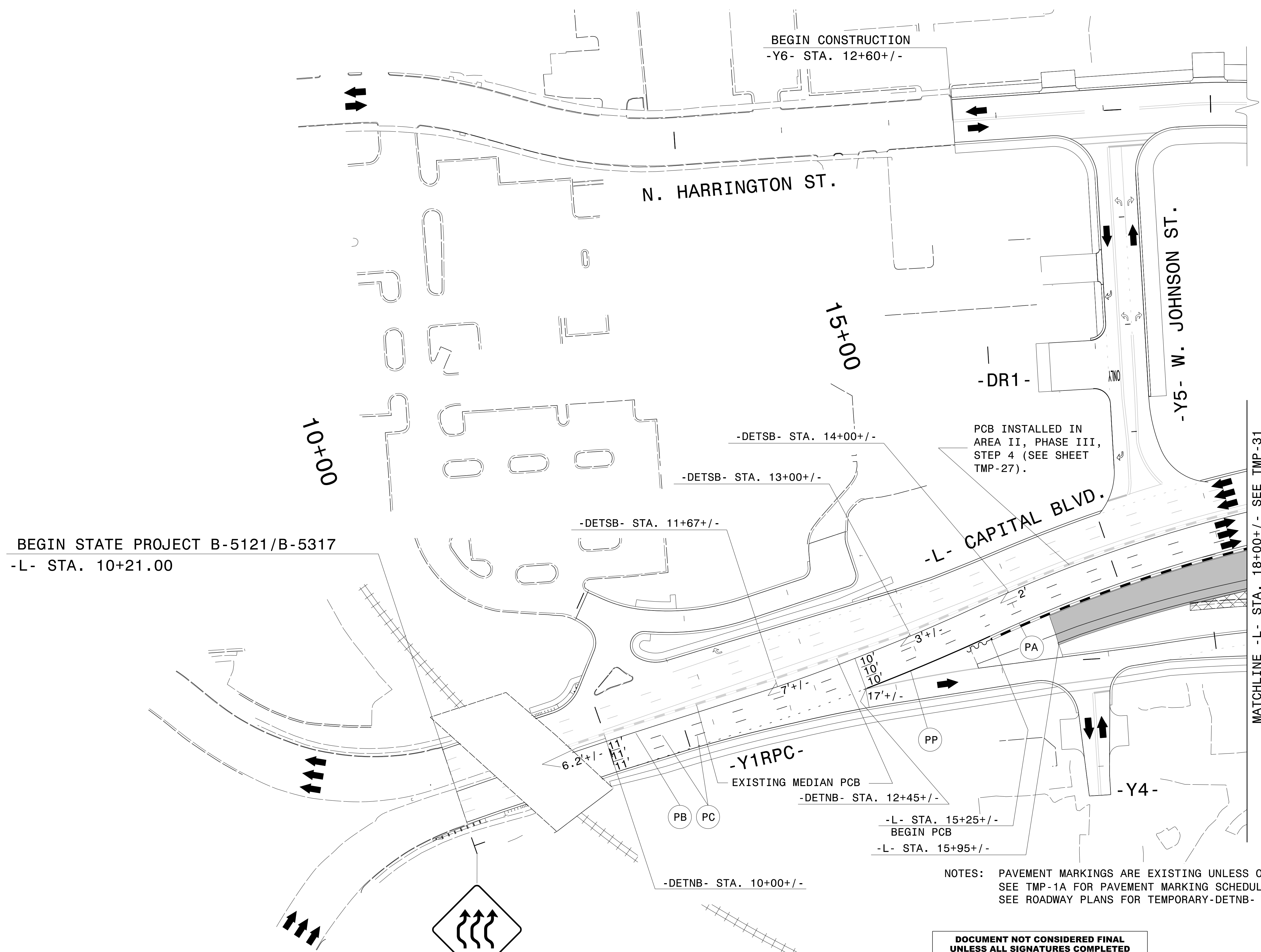
TRANSPORTATION PLANNING/DESIGN - BRIDGE/STRUCTURE DESIGN  
 CIVIL/SITE DESIGN - GIS/GPS - CONSTRUCTION OBSERVATION

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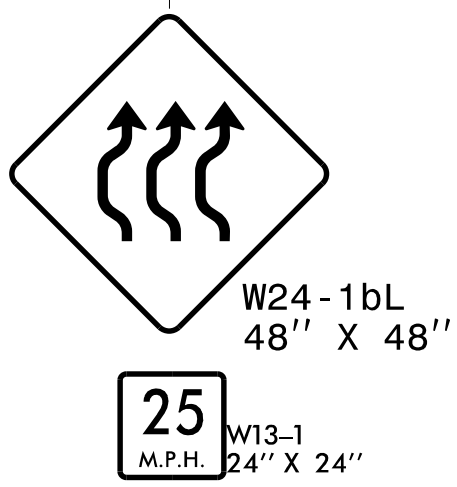
**AREA II- PHASE III  
 TEMPORARY TRAFFIC  
 CONTROL DETAIL**



BEGIN STATE PROJECT B-5121/B-5317  
-L- STA. 10+21.00

NOTES: PAVEMENT MARKINGS ARE EXISTING UNLESS OTHERWISE NOTED.  
SEE TMP-1A FOR PAVEMENT MARKING SCHEDULE.  
SEE ROADWAY PLANS FOR TEMPORARY-DETNB- AND -DETSB- ALIGNMENTS.

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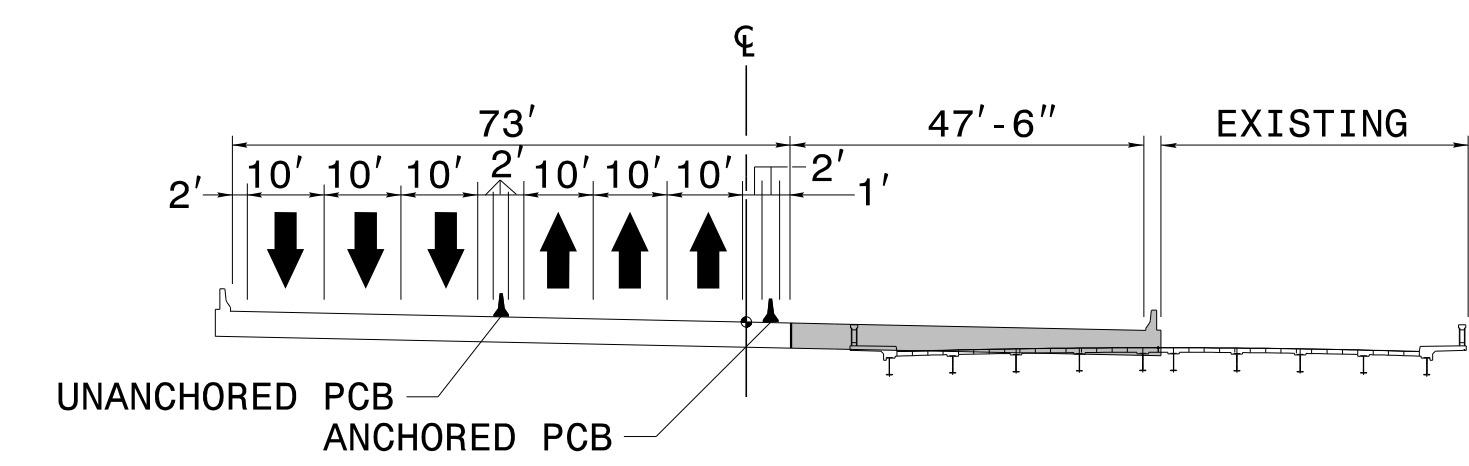
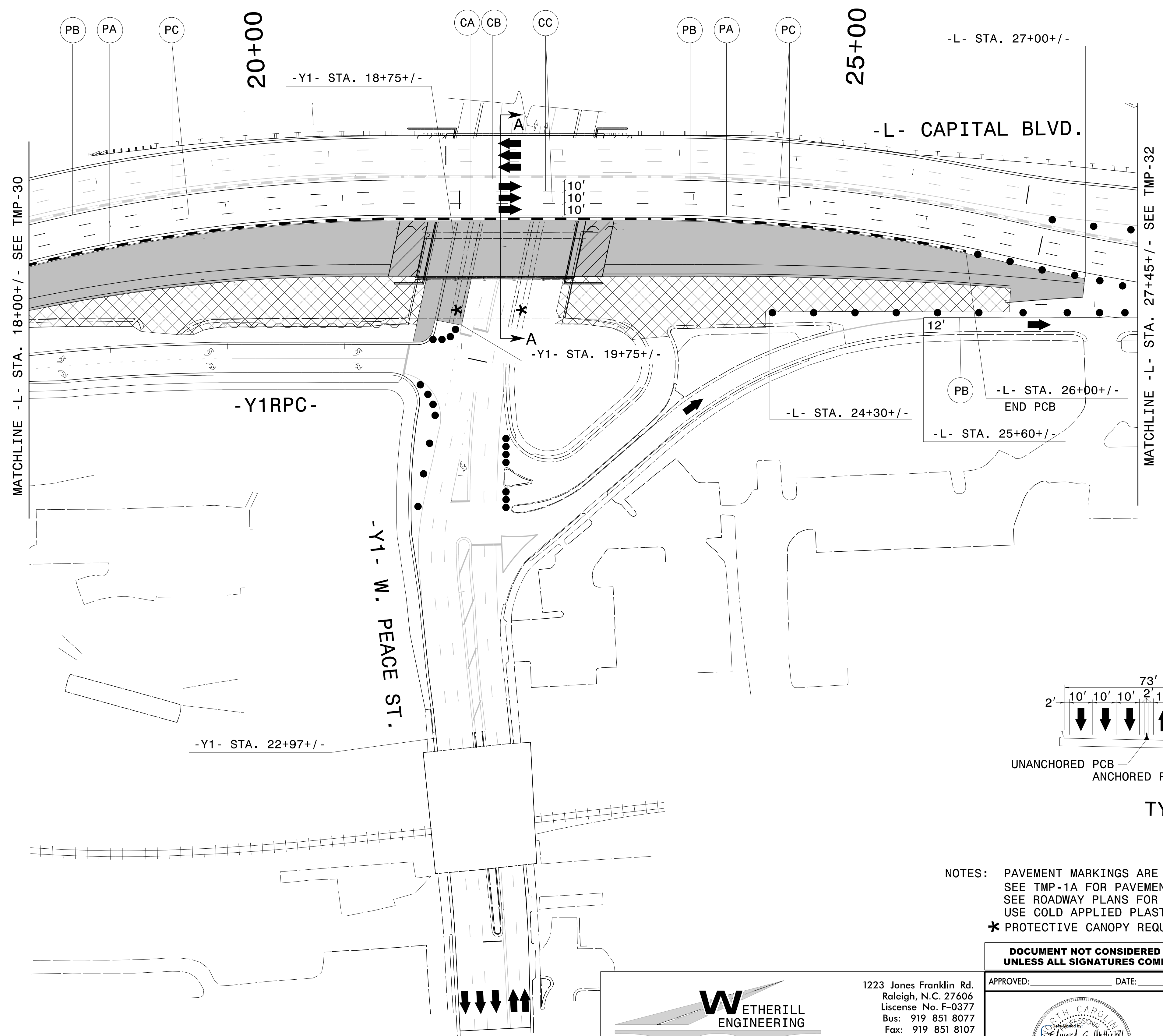
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CIVIL/SITE DESIGN - GIS/GPS - CONSTRUCTION OBSERVATION

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**AREA II - PHASE IV  
TEMPORARY TRAFFIC  
CONTROL DETAIL**



TYPICAL SECTION A-A  
-L- STA. 22+00+/-

- NOTES: PAVEMENT MARKINGS ARE EXISTING UNLESS OTHERWISE NOTED.  
 SEE TMP-1A FOR PAVEMENT MARKING SCHEDULE.  
 SEE ROADWAY PLANS FOR TEMPORARY-DETNB- AND -DETS- ALIGNMENTS.  
 USE COLD APPLIED PLASTIC TYPE 4 - REMOVABLE TAPE ON CONCRETE BRIDGE DECK.  
 \* PROTECTIVE CANOPY REQUIRED, SEE SPECIAL PROVISIONS.

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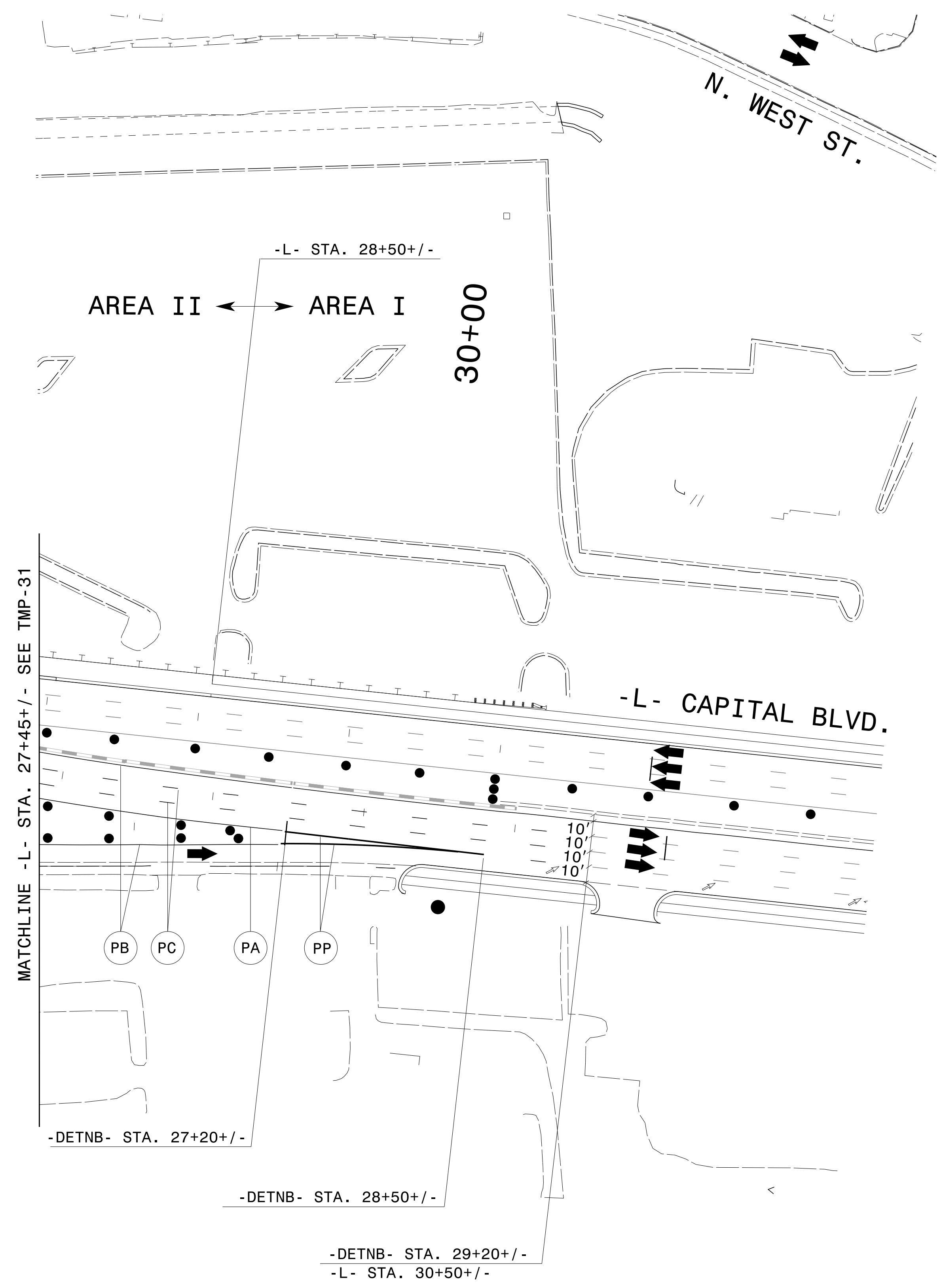
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 User:skennedy

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TRANSPORTATION PLANNING/DESIGN - BRIDGE/STRUCTURE DESIGN  
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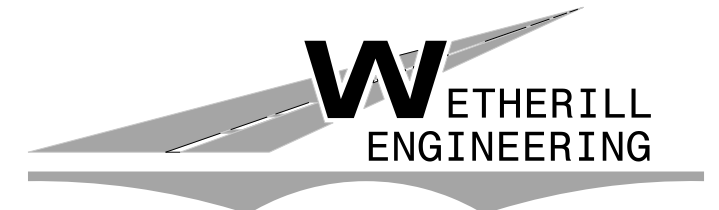
AREA II- PHASE IV  
TEMPORARY TRAFFIC  
CONTROL DETAIL



NOTES: PAVEMENT MARKINGS ARE EXISTING UNLESS OTHERWISE NOTED.  
 SEE TMP-1A FOR PAVEMENT MARKING SCHEDULE.  
 SEE ROADWAY PLANS FOR TEMPORARY-DETNB- AND -DETSB- ALIGNMENTS.

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 User:skennedy

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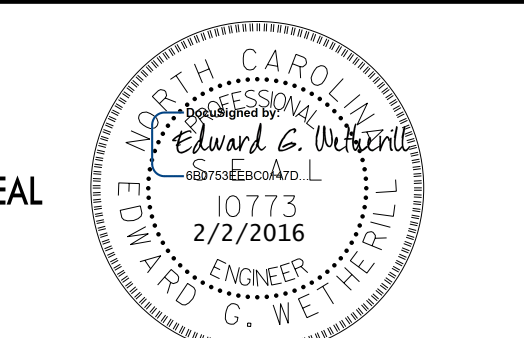
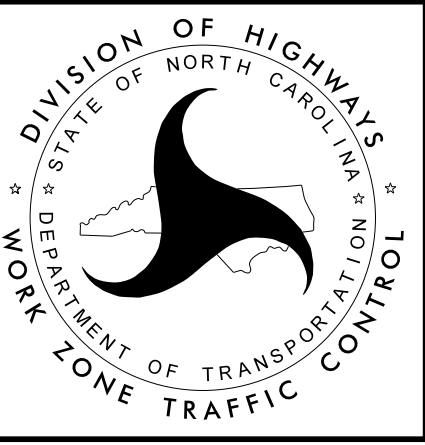


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TRANSPORTATION PLANNING/DESIGN - BRIDGE/STRUCTURE DESIGN  
 CIVIL/SITE DESIGN - GIS/GPS - CONSTRUCTION OBSERVATION

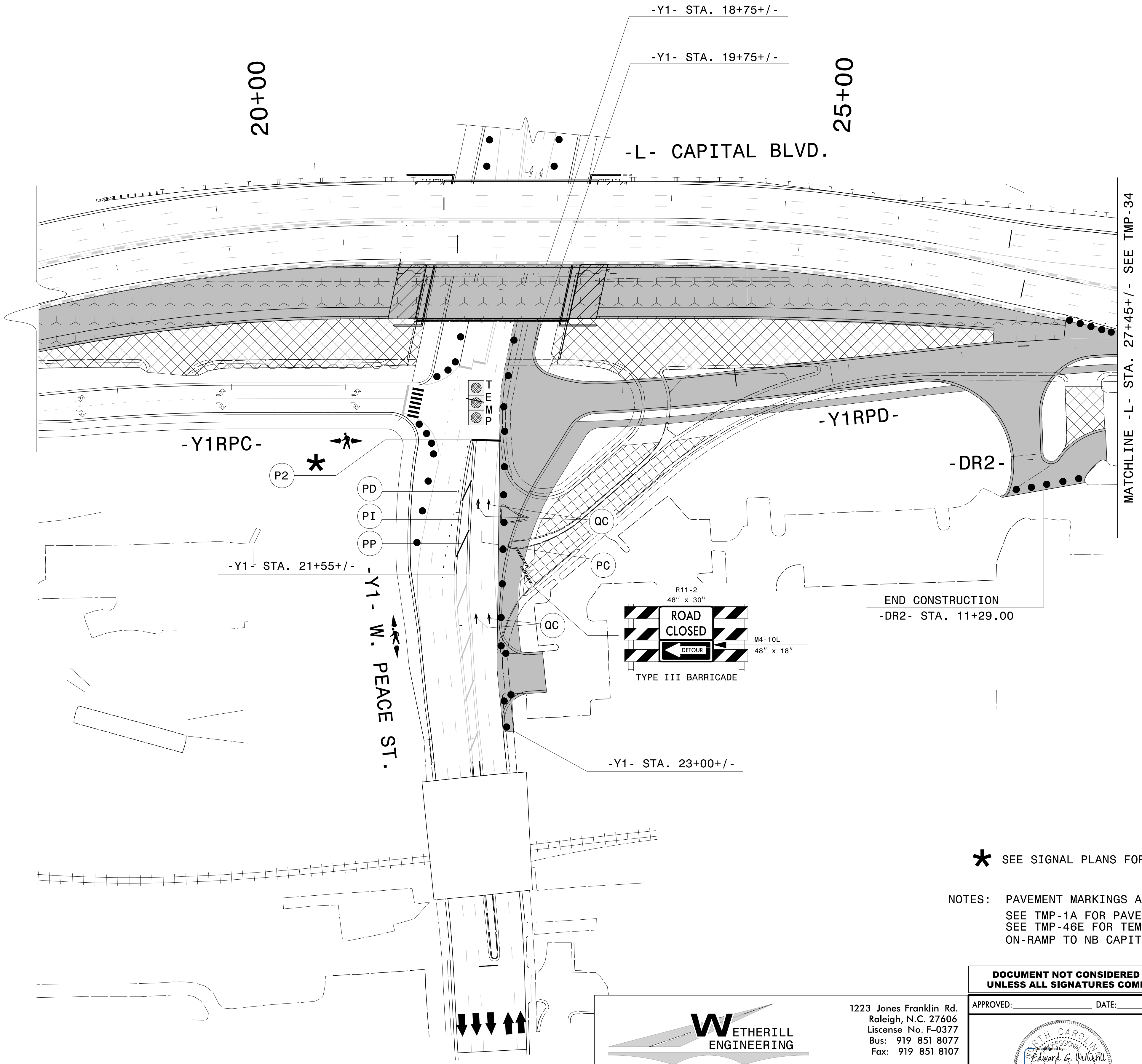
APPROVED: \_\_\_\_\_ DATE: \_\_\_\_\_

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 STATE OF NORTH CAROLINA  
 DEPARTMENT OF TRANSPORTATION  
 WORK ZONE TRAFFIC CONTROL

**AREA II - PHASE IV  
 TEMPORARY TRAFFIC  
 CONTROL DETAIL**



\* SEE SIGNAL PLANS FOR STOP-BAR LOCATIONS.

NOTES: PAVEMENT MARKINGS ARE EXISTING UNLESS OTHERWISE NOTED.  
 SEE TMP-1A FOR PAVEMENT MARKING SCHEDULE.  
 SEE TMP-46E FOR TEMPORARY OFF-SITE DETOUR FOR EXISTING PEACE ST.  
 ON-RAMP TO NB CAPITAL BLVD.

**DOCUMENT NOT CONSIDERED FINAL  
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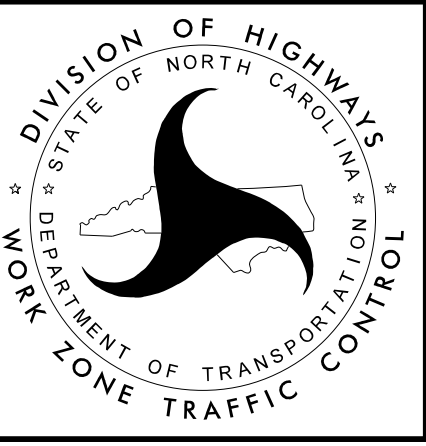
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 User:skennedy

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TRANSPORTATION PLANNING/DESIGN - BRIDGE/STRUCTURE DESIGN  
 CIVIL/SITE DESIGN - GIS/GPS - CONSTRUCTION OBSERVATION

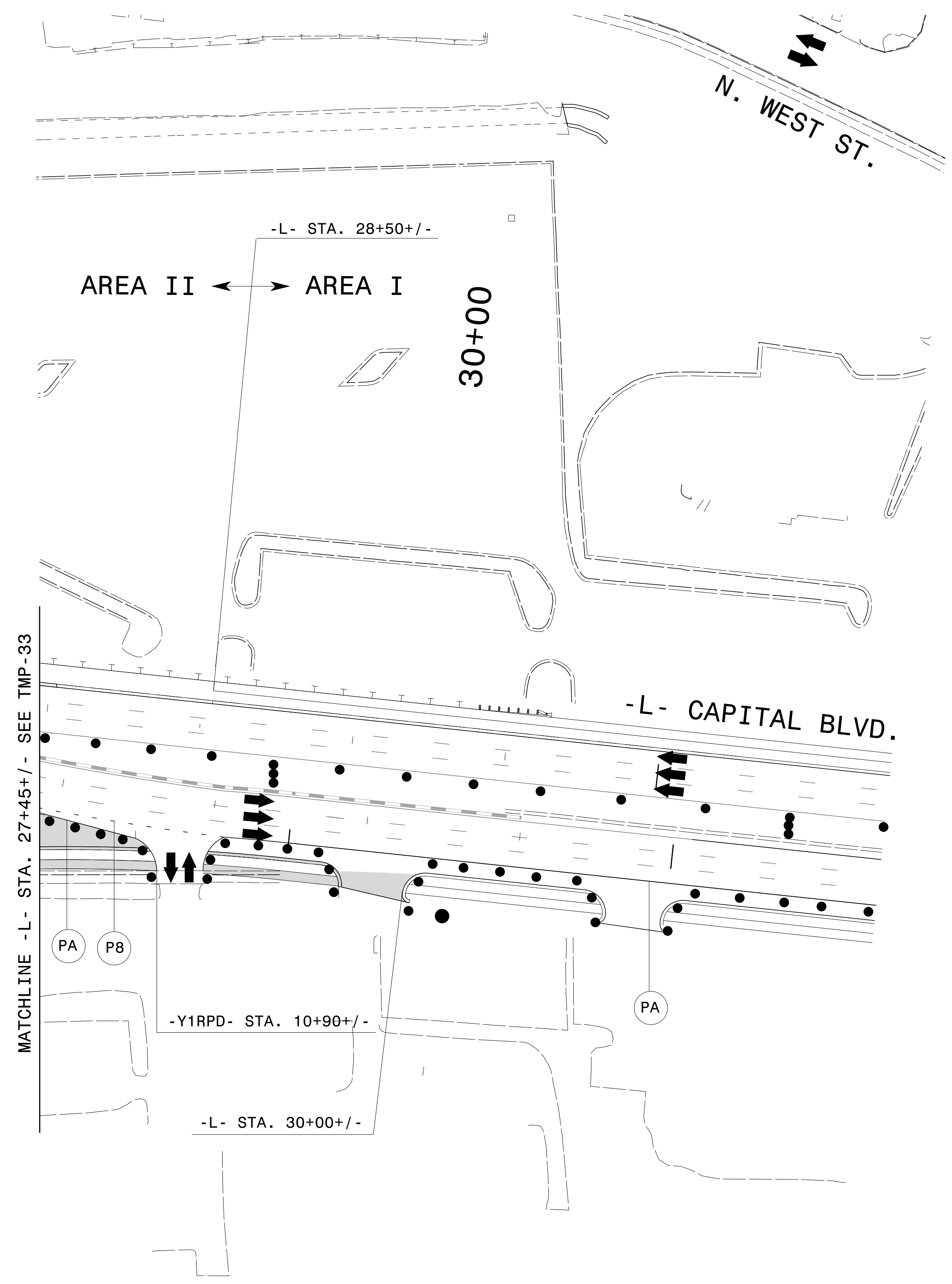
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 Raleigh, N.C. 27606  
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 Bus: 919 851 8077  
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AREA II - PHASE IV  
 TEMPORARY TRAFFIC  
 CONTROL DETAIL

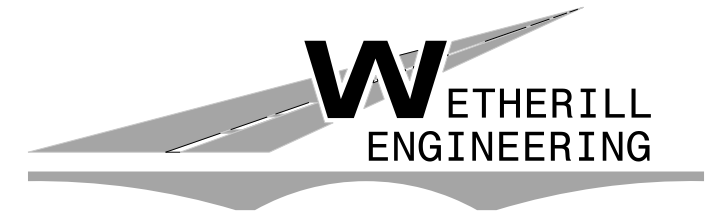




NOTES: PAVEMENT MARKINGS ARE EXISTING UNLESS OTHERWISE NOTED.  
SEE TMP-1A FOR PAVEMENT MARKING SCHEDULE.

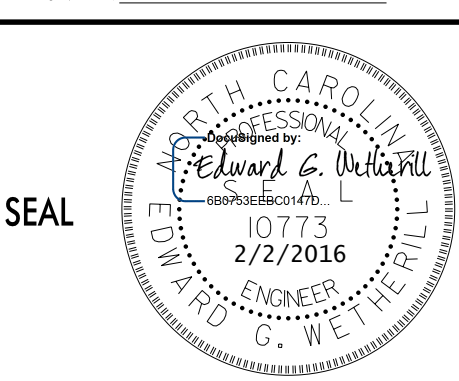
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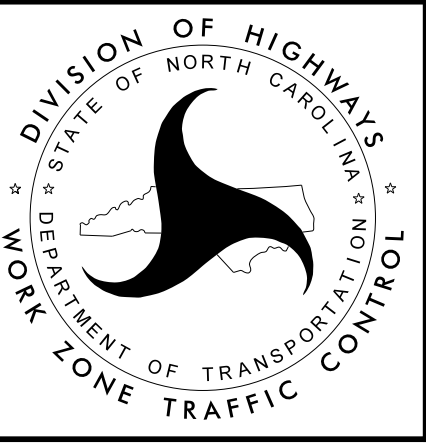
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 User:skennedy



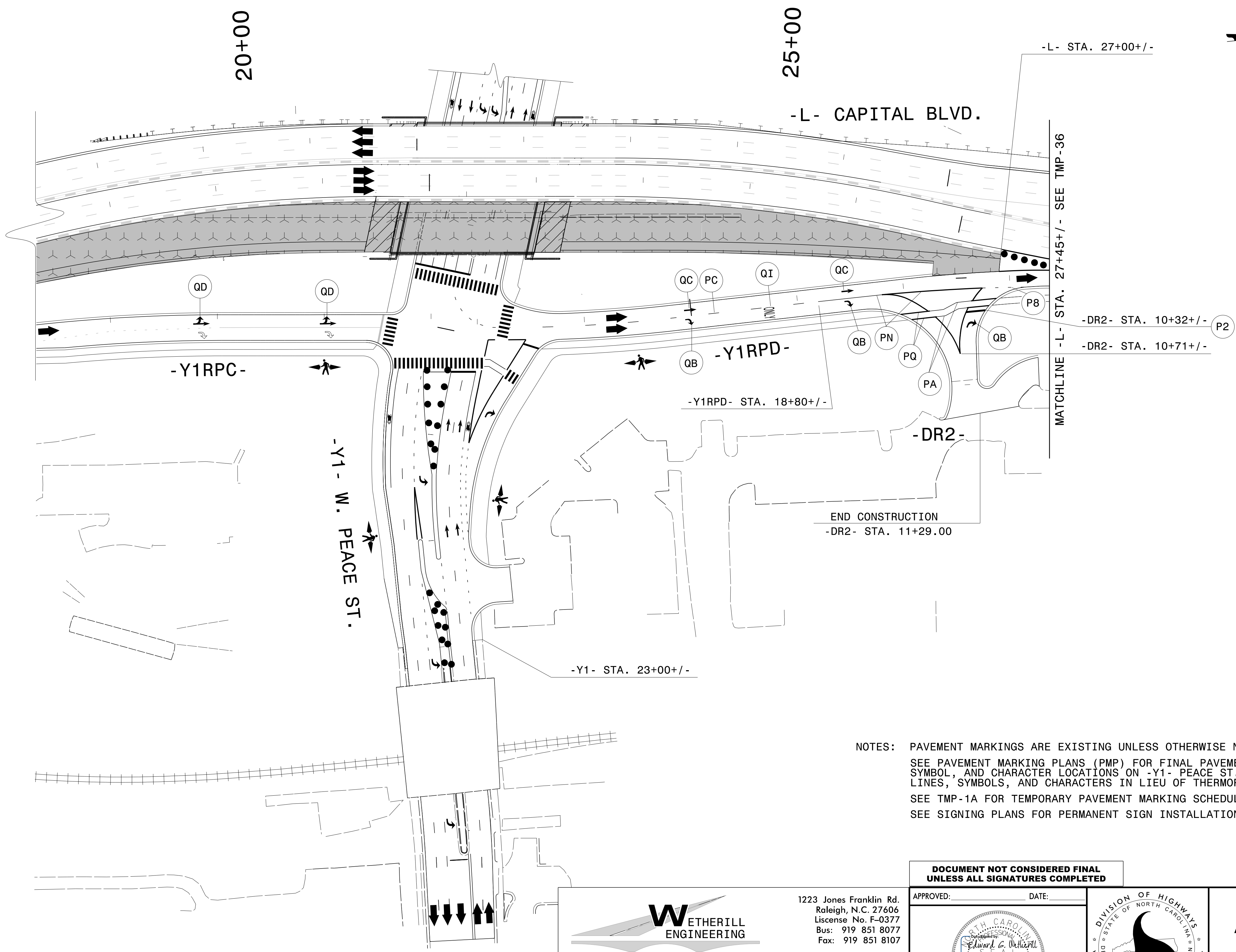
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TRANSPORTATION PLANNING/DESIGN - BRIDGE/STRUCTURE DESIGN  
 CIVIL/SITE DESIGN - GIS/GPS - CONSTRUCTION OBSERVATION

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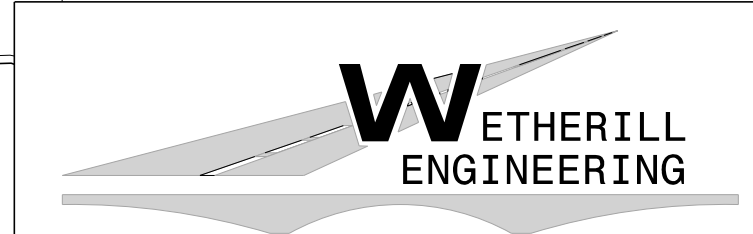


AREA II - PHASE IV  
 TEMPORARY TRAFFIC  
 CONTROL DETAIL



NOTES: PAVEMENT MARKINGS ARE EXISTING UNLESS OTHERWISE NOTED.  
 SEE PAVEMENT MARKING PLANS (PMP) FOR FINAL PAVEMENT MARKING LINE, STOP BARS, SYMBOL, AND CHARACTER LOCATIONS ON -Y1- PEACE ST. (INSTALL PAINT MARKING LINES, SYMBOLS, AND CHARACTERS IN LIEU OF THERMOPLASTIC).  
 SEE TMP-1A FOR TEMPORARY PAVEMENT MARKING SCHEDULE.  
 SEE SIGNING PLANS FOR PERMANENT SIGN INSTALLATIONS ON -Y1- PEACE ST.

6/2/2016  
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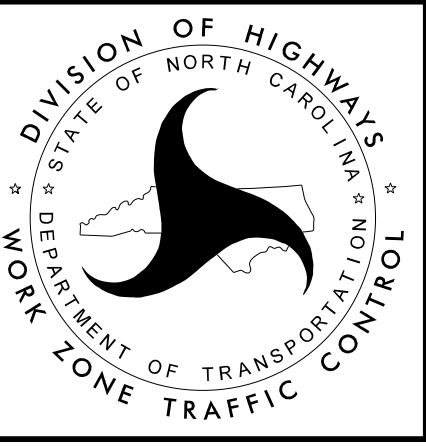


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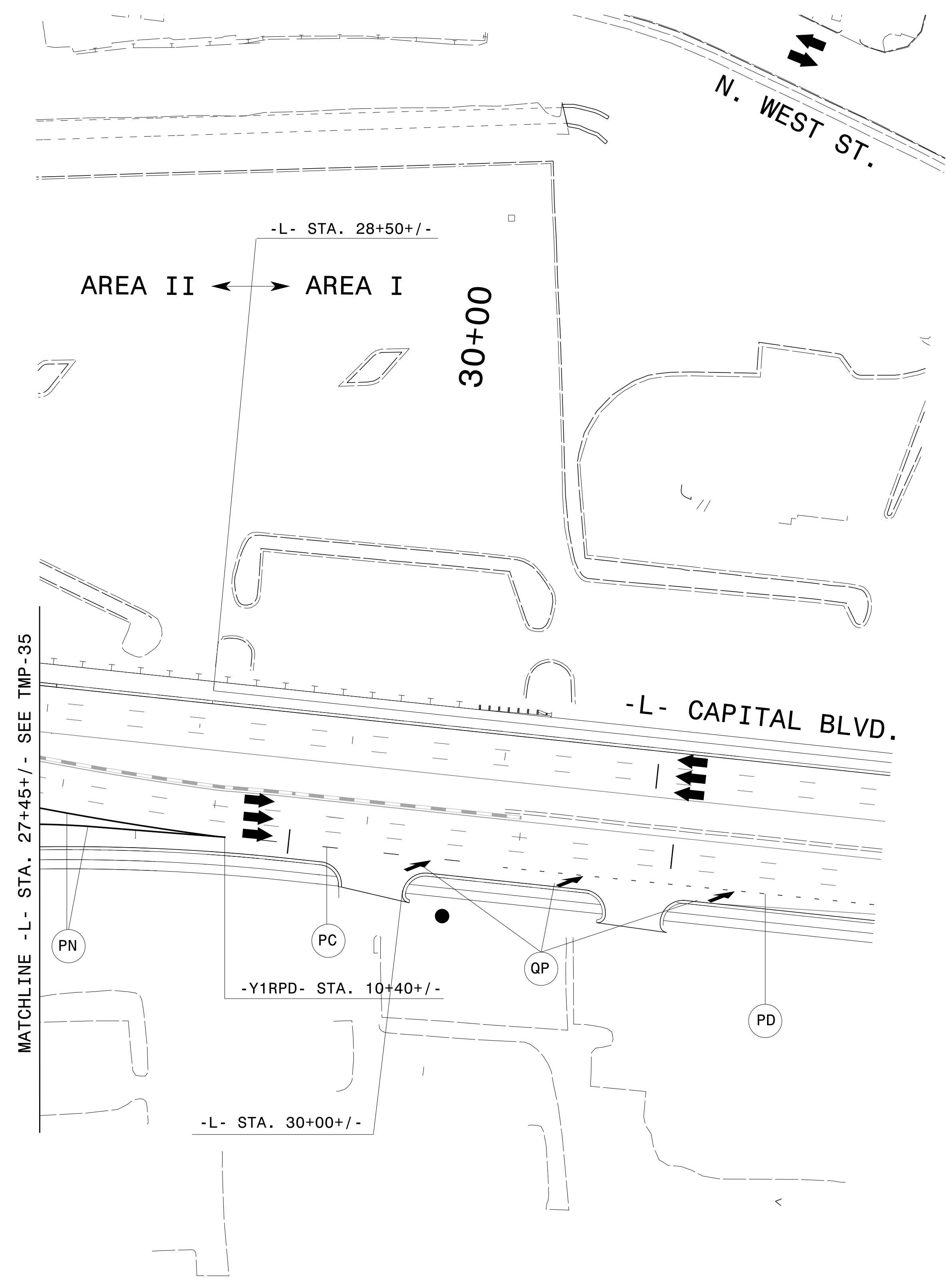
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 CIVIL/SITE DESIGN - GIS/GPS - CONSTRUCTION OBSERVATION

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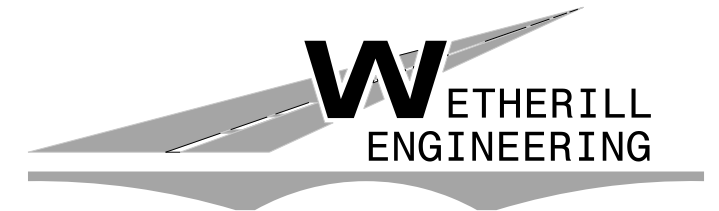
**AREA II - PHASE IV  
 TEMPORARY TRAFFIC  
 CONTROL DETAIL**



NOTES: PAVEMENT MARKINGS ARE EXISTING UNLESS OTHERWISE NOTED.  
SEE TMP-1A FOR PAVEMENT MARKING SCHEDULE.

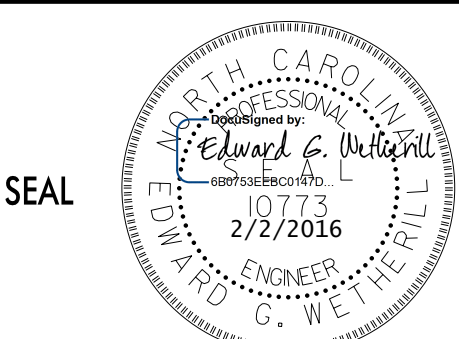
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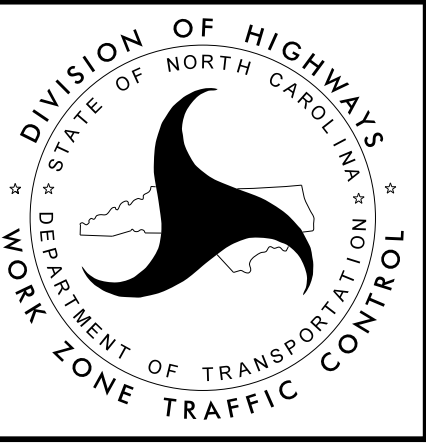
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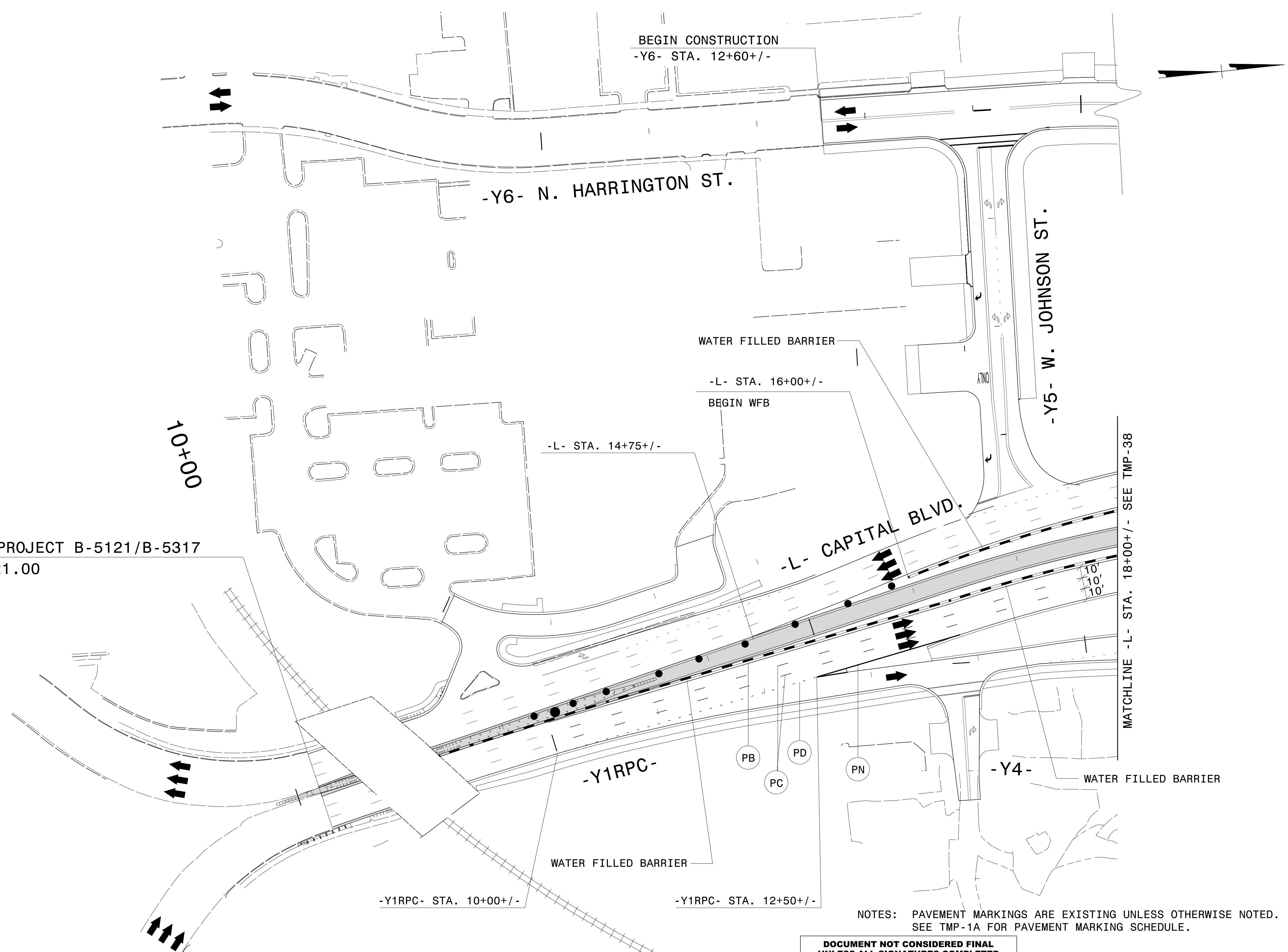
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CIVIL/SITE DESIGN - GIS/GPS - CONSTRUCTION OBSERVATION

APPROVED: _____	DATE: _____
	



AREA II - PHASE IV  
TEMPORARY TRAFFIC  
CONTROL DETAIL

BEGIN STATE PROJECT B-5121/B-5317  
-L- STA. 10+21.00



NOTES: PAVEMENT MARKINGS ARE EXISTING UNLESS OTHERWISE NOTED.  
SEE TMP-1A FOR PAVEMENT MARKING SCHEDULE.

**DOCUMENT NOT CONSIDERED FINAL  
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 User:skennedy

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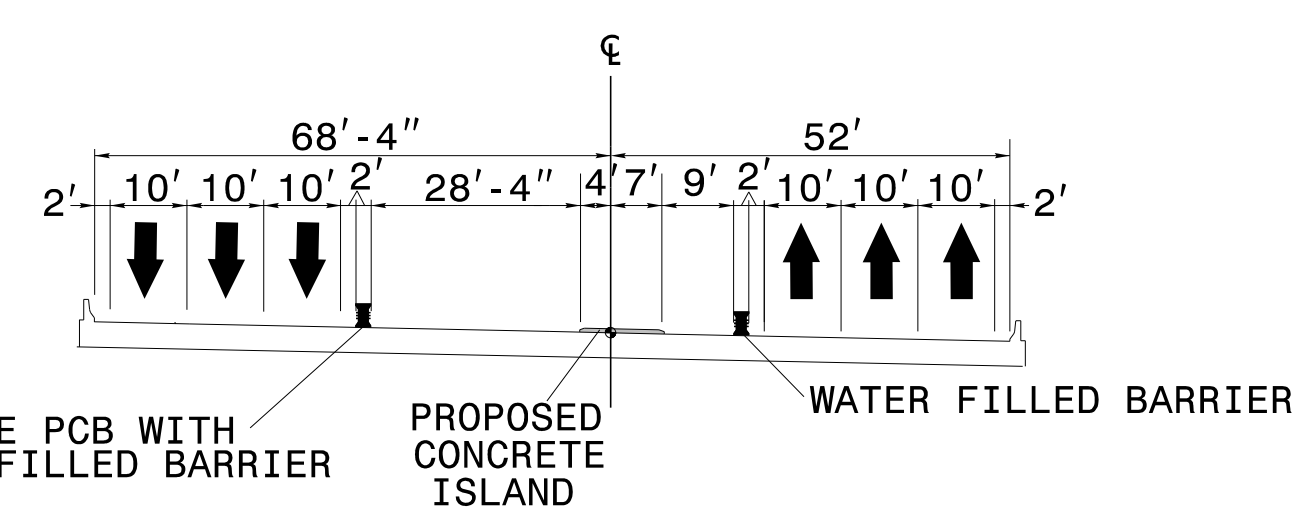
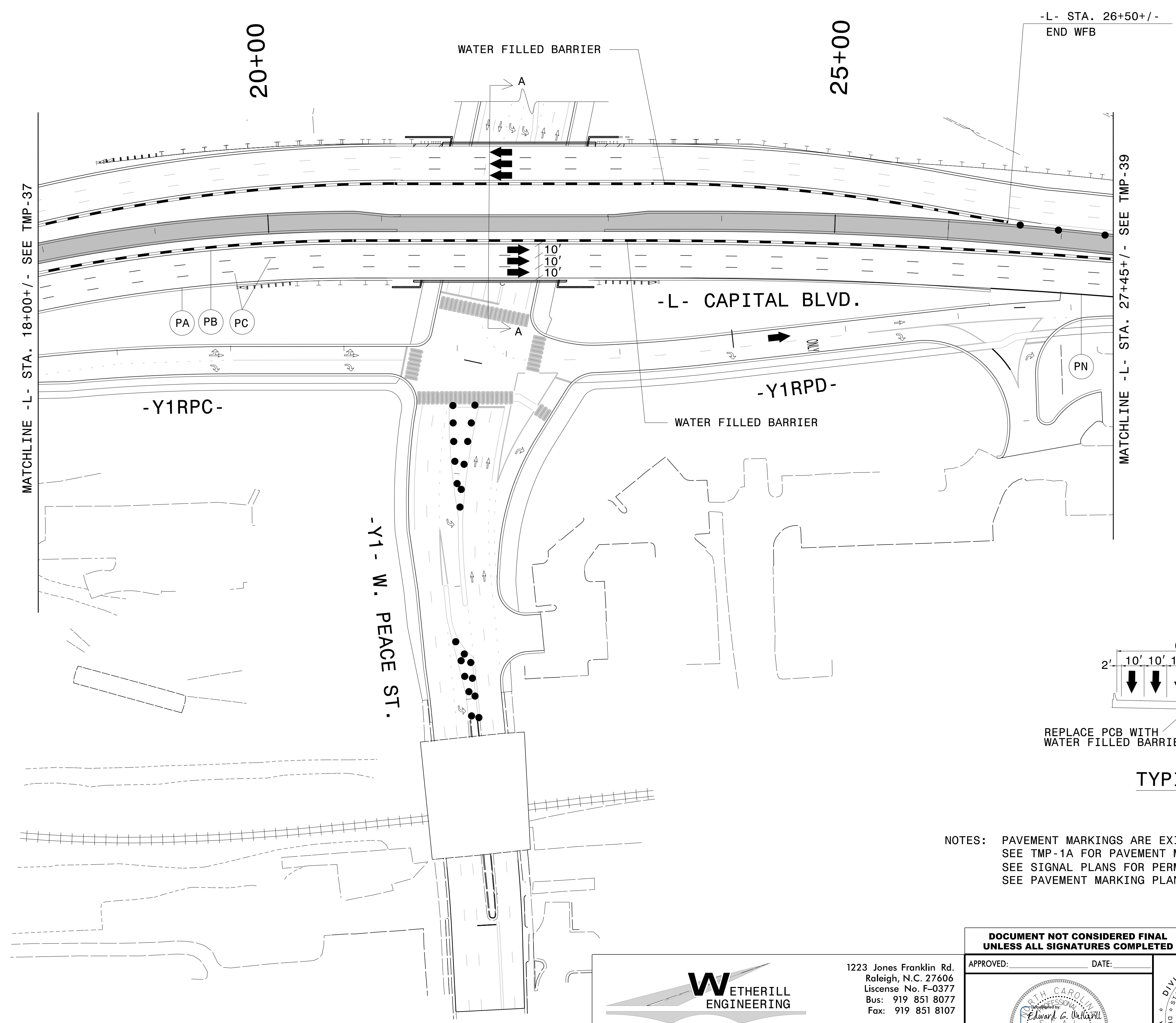
TRANSPORTATION PLANNING/DESIGN - BRIDGE/STRUCTURE DESIGN  
CIVIL/SITE DESIGN - GIS/GPS - CONSTRUCTION OBSERVATION

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STATE OF NORTH CAROLINA  
DEPARTMENT OF TRANSPORTATION  
WORK ZONE TRAFFIC CONTROL

AREA II- PHASE V  
TEMPORARY TRAFFIC  
CONTROL DETAIL



NOTES: PAVEMENT MARKINGS ARE EXISTING UNLESS OTHERWISE NOTED.  
SEE TMP-1A FOR PAVEMENT MARKING SCHEDULE.  
SEE SIGNAL PLANS FOR PERMANENT SIGNAL DESIGN.  
SEE PAVEMENT MARKING PLANS FOR FINAL TRAFFIC PATTERN ON PEACE ST.

6/2/2016 P:\2014\B-5121\B-5317\TrafficControl\Top\Current TMP Files\LANE'S CURRENT\Peace STA\B5121B5317\_TC\_TMP\_Peace\_psh38.dgn User:skennedy

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TRANSPORTATION PLANNING/DESIGN - BRIDGE/STRUCTURE DESIGN  
CIVIL/SITE DESIGN - GIS/GPS - CONSTRUCTION OBSERVATION

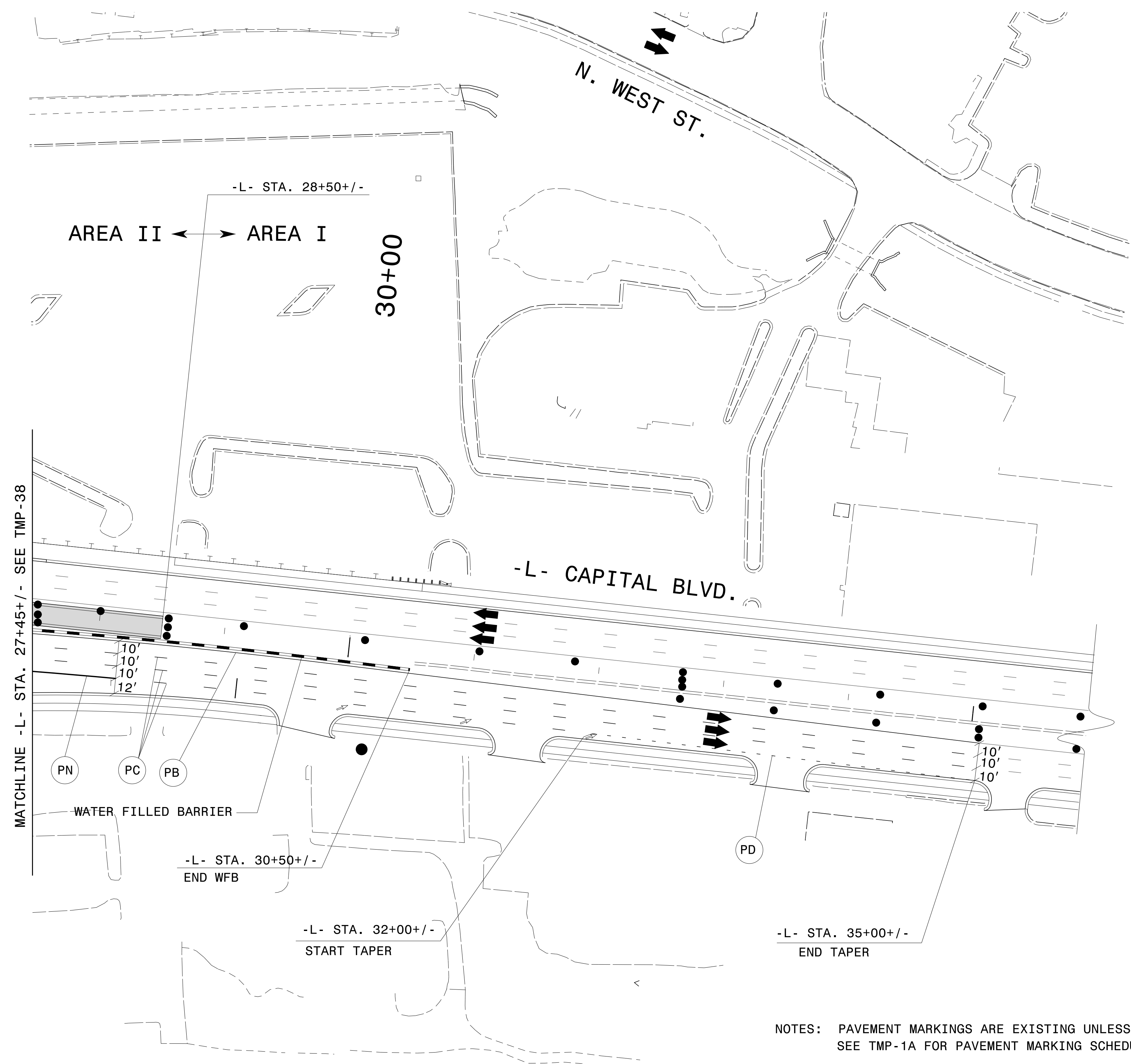
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DEPARTMENT OF TRANSPORTATION  
WORK ZONE TRAFFIC CONTROL

**AREA II - PHASE V  
TEMPORARY TRAFFIC  
CONTROL DETAIL**



NOTES: PAVEMENT MARKINGS ARE EXISTING UNLESS OTHERWISE NOTED.  
SEE TMP-1A FOR PAVEMENT MARKING SCHEDULE.

**DOCUMENT NOT CONSIDERED FINAL  
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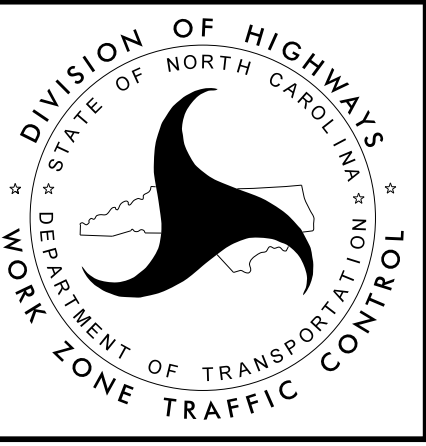
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 User:skennedy

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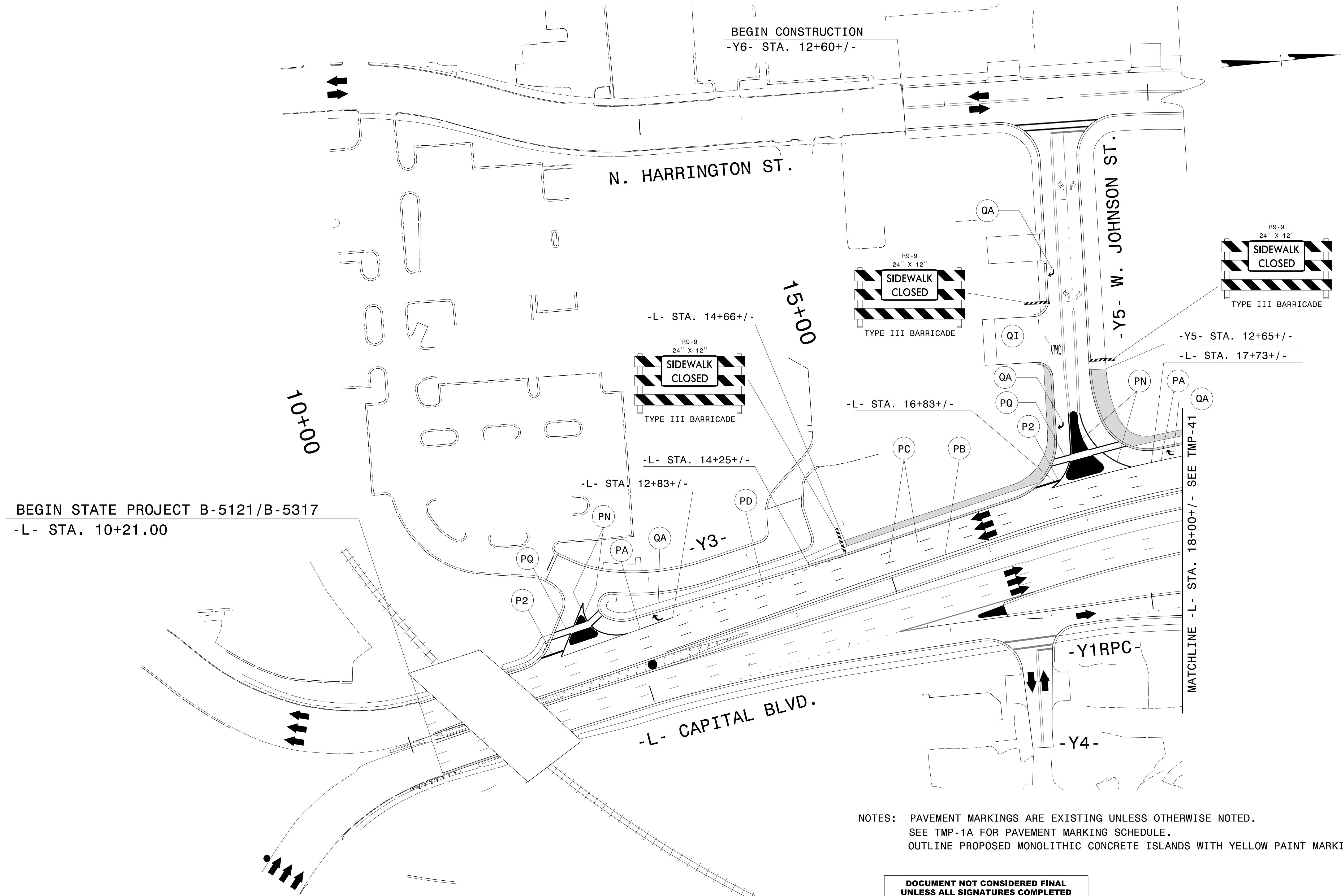
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AREA II - PHASE V  
TEMPORARY TRAFFIC  
CONTROL DETAIL



BEGIN STATE PROJECT B-5121/B-5317  
-L- STA. 10+21.00

BEGIN CONSTRUCTION  
-Y6- STA. 12+60+/-

NOTES: PAVEMENT MARKINGS ARE EXISTING UNLESS OTHERWISE NOTED.  
SEE TMP-1A FOR PAVEMENT MARKING SCHEDULE.  
OUTLINE PROPOSED MONOLITHIC CONCRETE ISLANDS WITH YELLOW PAINT MARKING.

2/1/2016  
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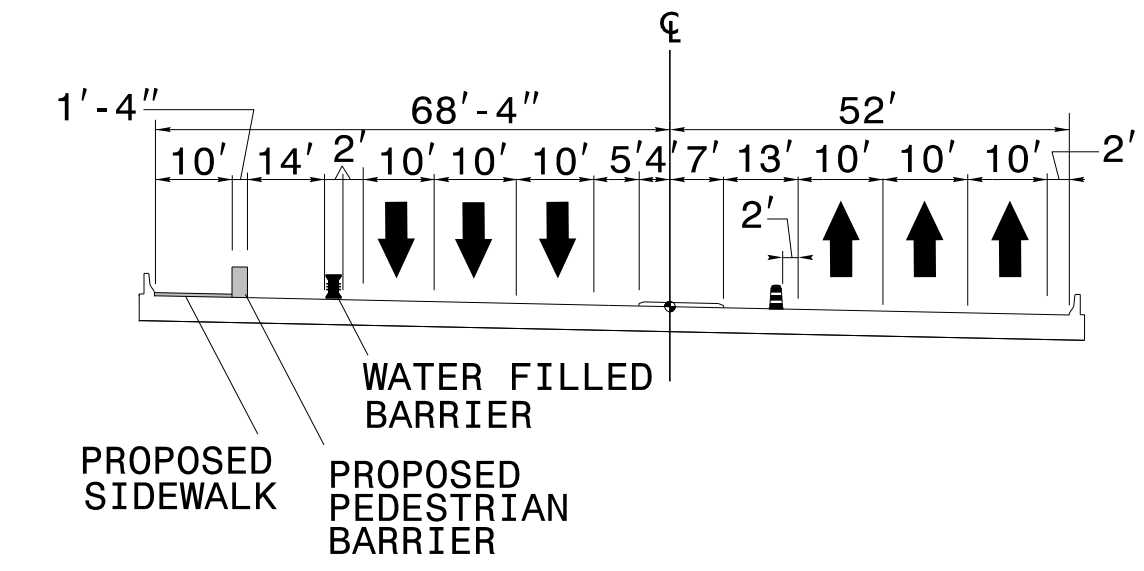
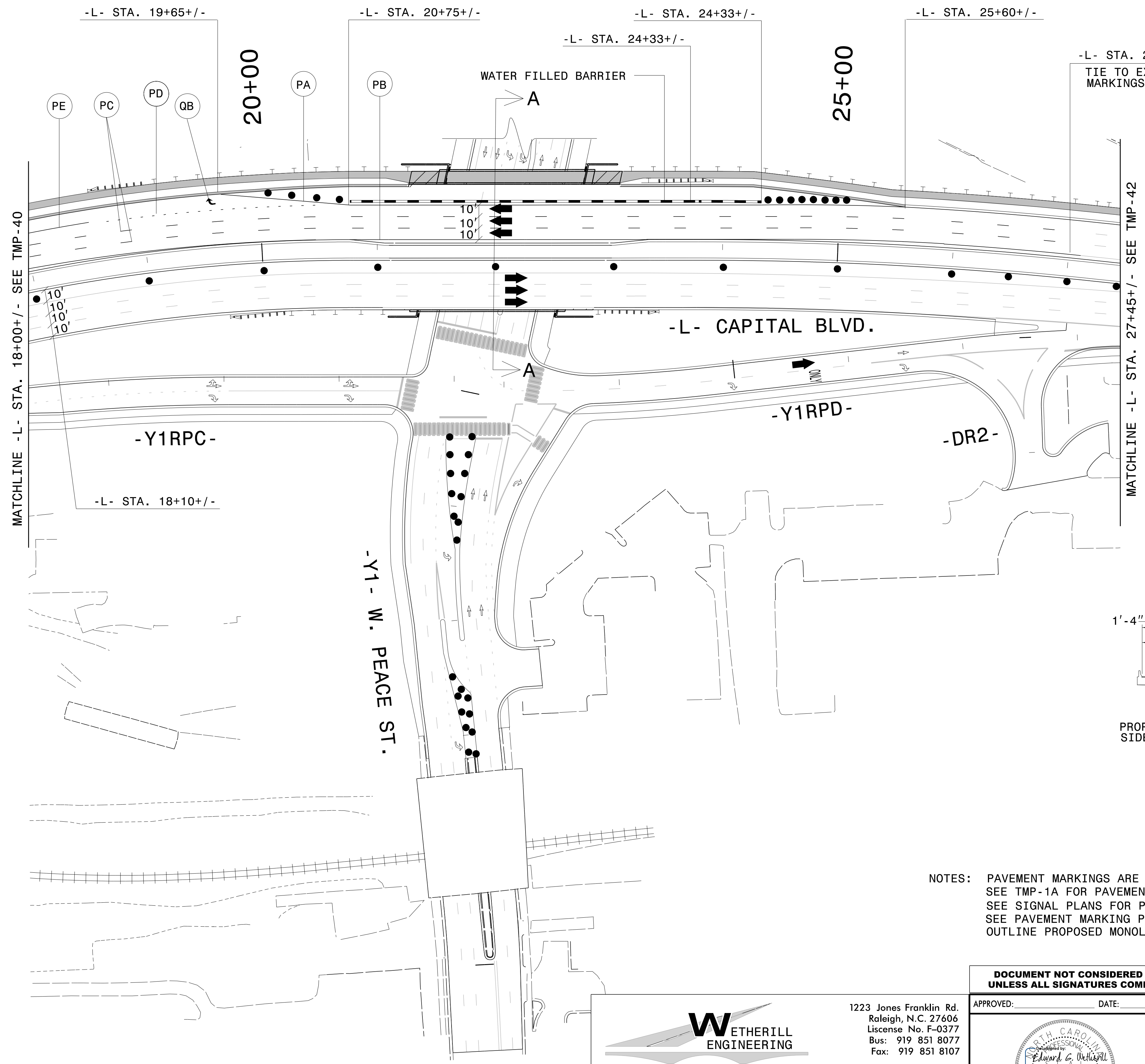
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CIVIL/SITE DESIGN - GIS/GPS - CONSTRUCTION OBSERVATION

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**AREA II-PHASE V  
TEMPORARY TRAFFIC  
CONTROL DETAIL**



NOTES: PAVEMENT MARKINGS ARE EXISTING UNLESS OTHERWISE NOTED.  
 SEE TMP-1A FOR PAVEMENT MARKING SCHEDULE.  
 SEE SIGNAL PLANS FOR PERMANENT SIGNAL DESIGN.  
 SEE PAVEMENT MARKING PLANS FOR FINAL TRAFFIC PATTERN ON PEACE ST.  
 OUTLINE PROPOSED MONOLITHIC CONCRETE ISLANDS WITH YELLOW PAINT MARKING.

6/2/2016  
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 User:rskenedy

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TRANSPORTATION PLANNING/DESIGN - BRIDGE/STRUCTURE DESIGN  
 CIVIL/SITE DESIGN - GIS/GPS - CONSTRUCTION OBSERVATION

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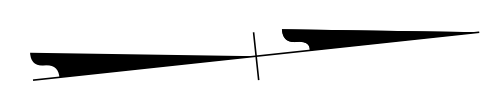
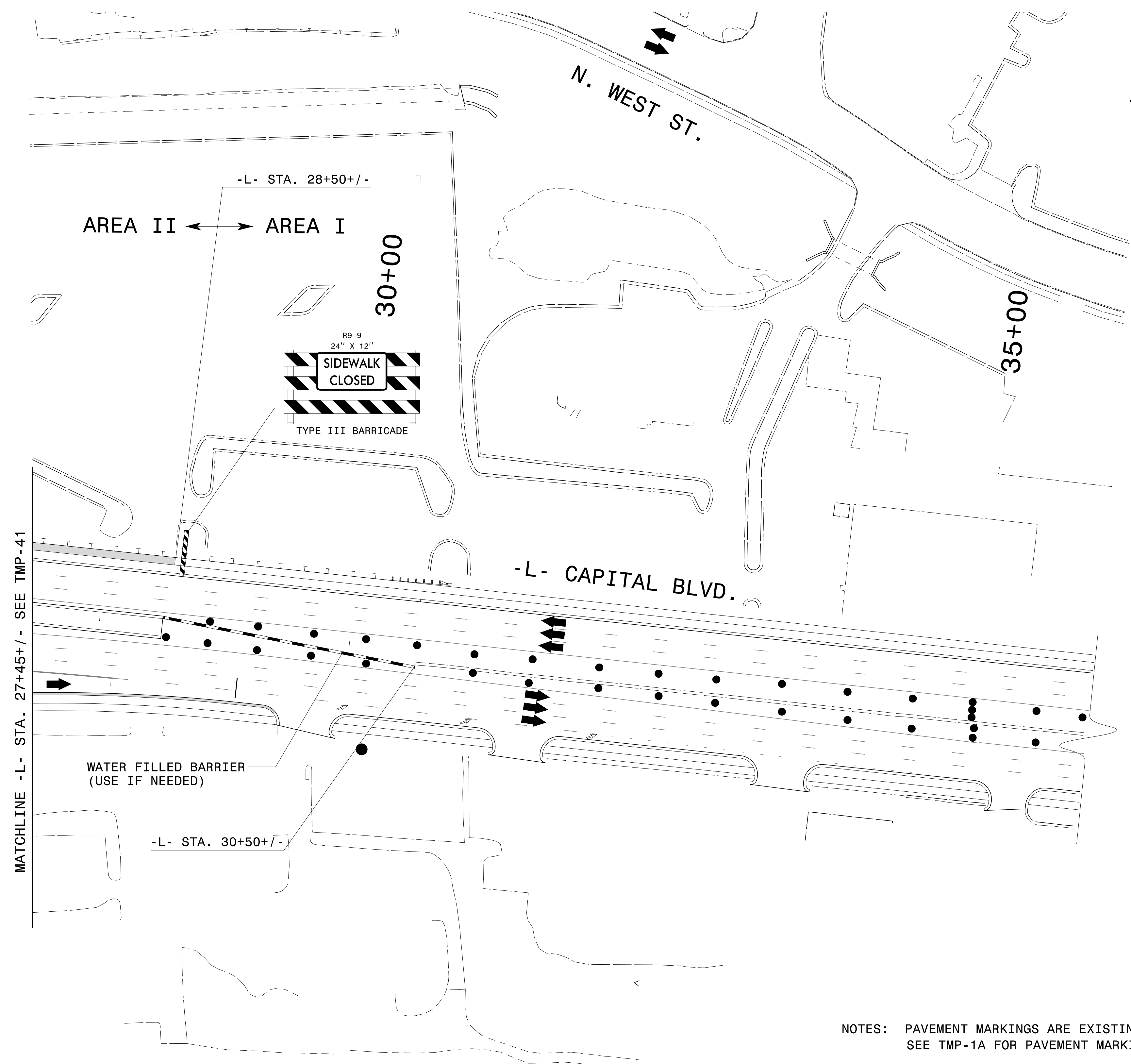
APPROVED: \_\_\_\_\_ DATE: \_\_\_\_\_

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 STATE OF NORTH CAROLINA  
 DEPARTMENT OF TRANSPORTATION  
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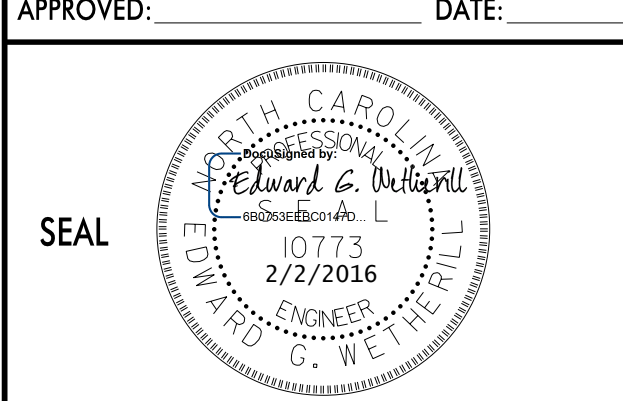

**AREA II-PHASE V  
 TEMPORARY TRAFFIC  
 CONTROL DETAIL**





NOTES: PAVEMENT MARKINGS ARE EXISTING UNLESS OTHERWISE NOTED.  
SEE TMP-1A FOR PAVEMENT MARKING SCHEDULE.

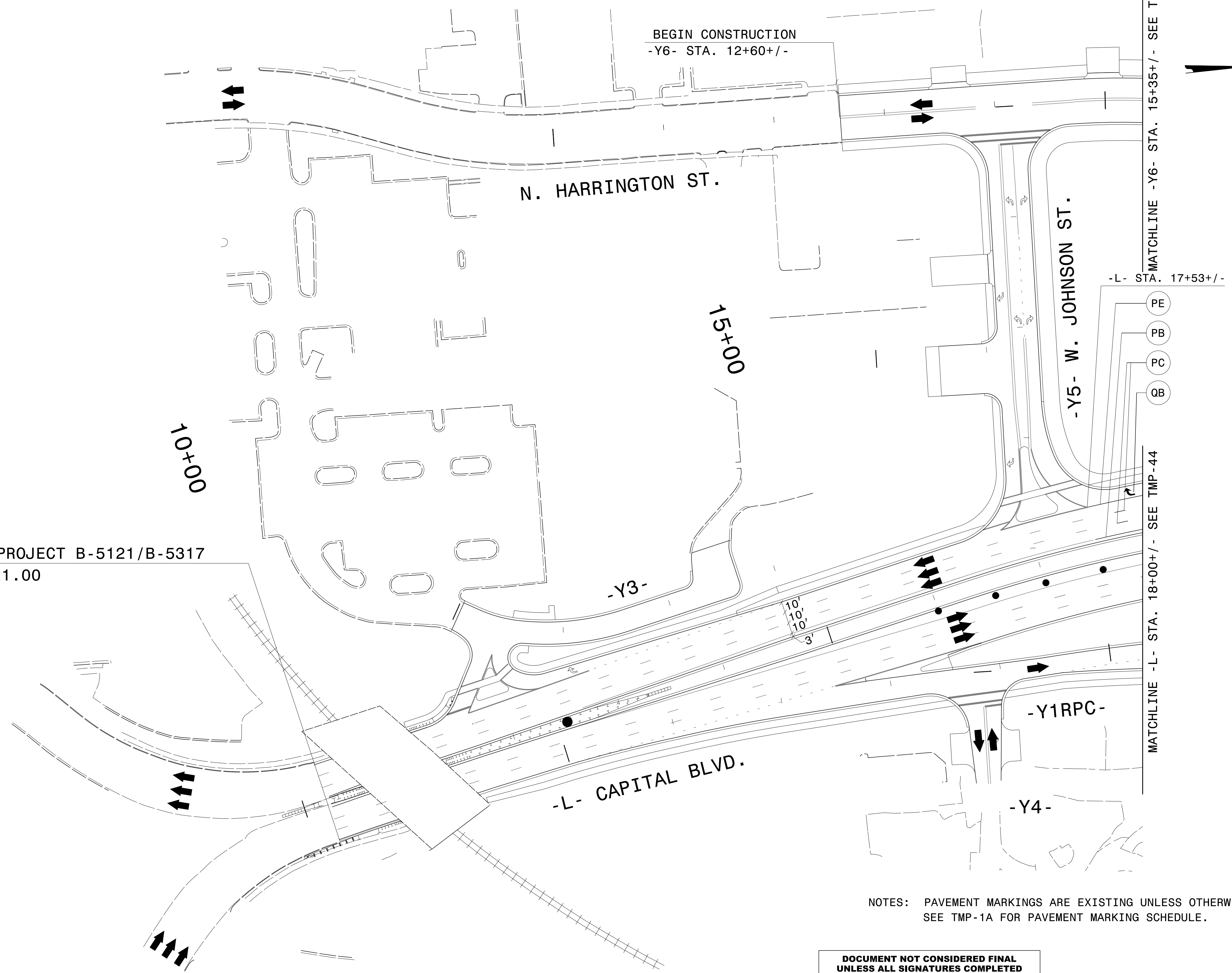
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 WETHERILL ENGINEERING  TRANSPORTATION PLANNING/DESIGN - BRIDGE/STRUCTURE DESIGN CIVIL/SITE DESIGN - GIS/GPS - CONSTRUCTION OBSERVATION	1223 Jones Franklin Rd. Raleigh, N.C. 27606 License No. F-0377 Bus: 919 851 8077 Fax: 919 851 8107	<b>DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED</b>	
	APPROVED: _____ DATE: _____  		<b>AREA II-PHASE V TEMPORARY TRAFFIC CONTROL DETAIL</b>

PROJ. REFERENCE NO.	SHEET NO.
B-5121/B-5317	TMP-43

BEGIN STATE PROJECT B-5121/B-5317  
-L- STA. 10+21.00

BEGIN CONSTRUCTION  
-Y6- STA. 12+60+/-



NOTES: PAVEMENT MARKINGS ARE EXISTING UNLESS OTHERWISE NOTED.  
SEE TMP-1A FOR PAVEMENT MARKING SCHEDULE.

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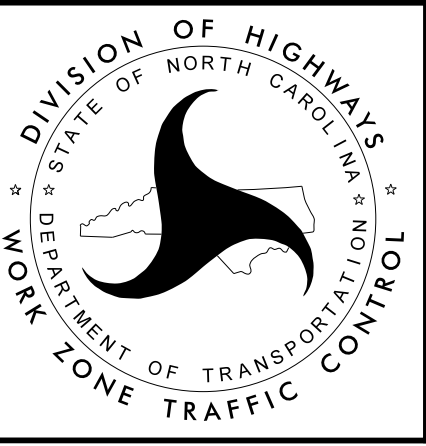
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Fax: 919 851 8107

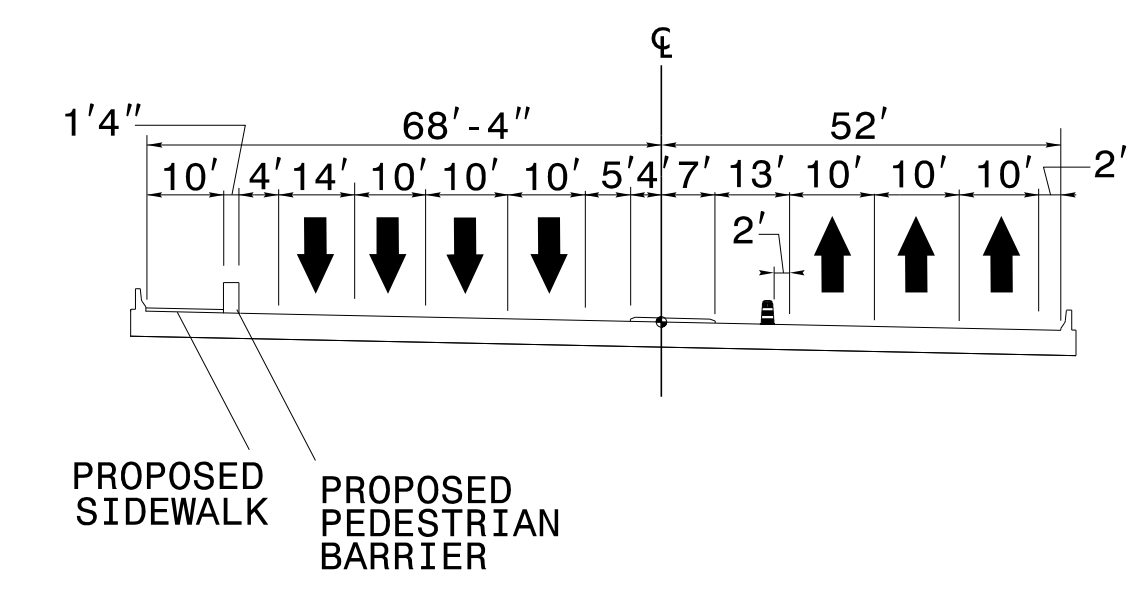
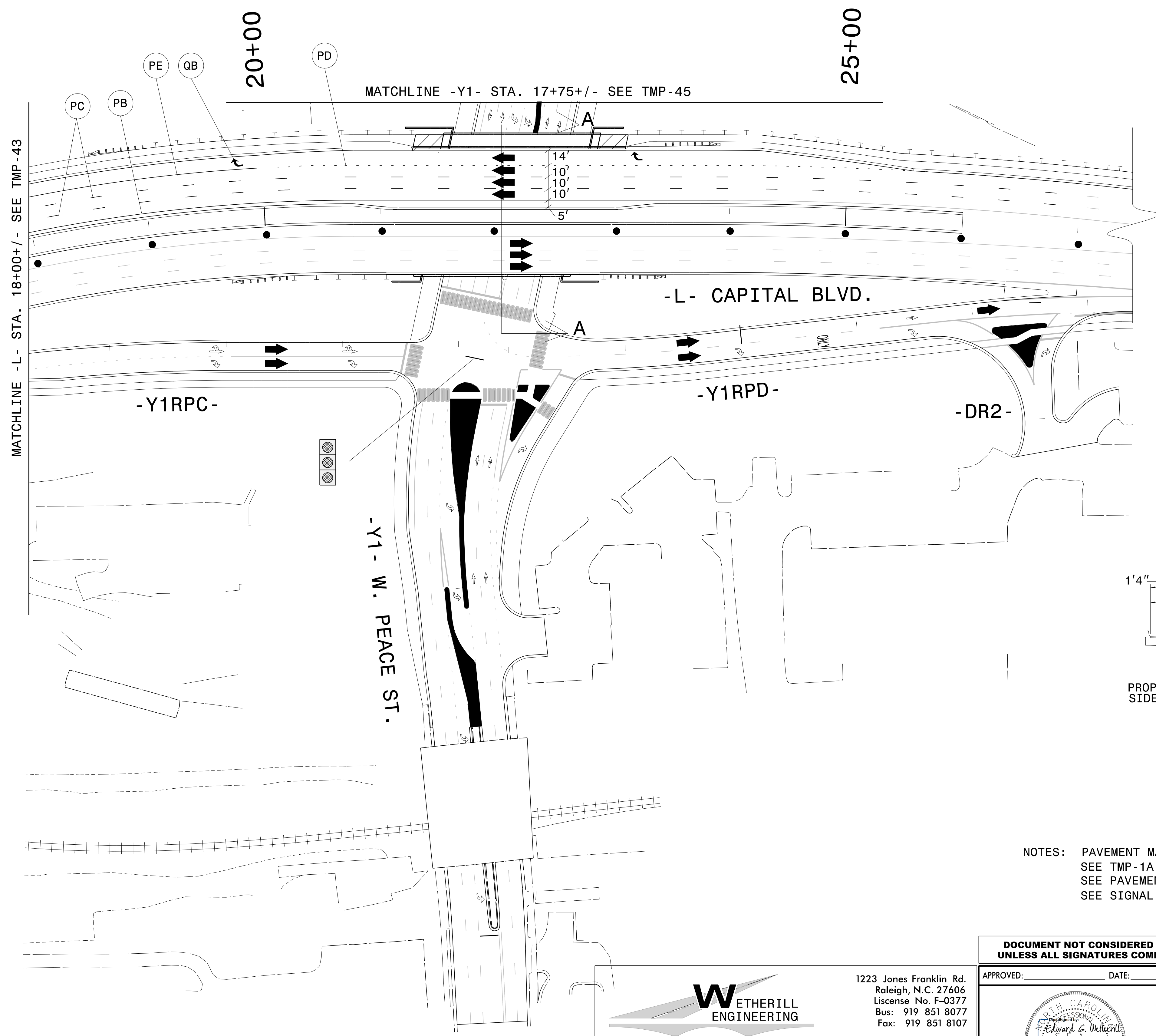
TRANSPORTATION PLANNING/DESIGN - BRIDGE/STRUCTURE DESIGN  
CIVIL/SITE DESIGN - GIS/GPS - CONSTRUCTION OBSERVATION

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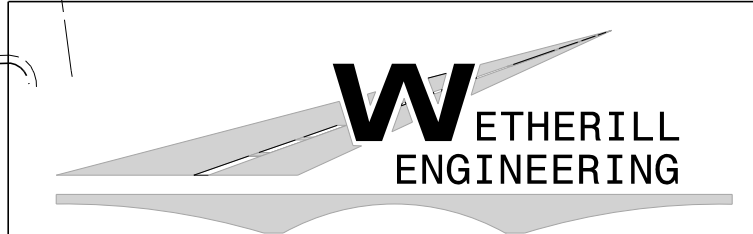
**AREA II-PHASE V  
TEMPORARY TRAFFIC  
CONTROL DETAIL**



TYPICAL SECTION A-A  
-L- STA 22+00+/-

NOTES: PAVEMENT MARKINGS ARE EXISTING UNLESS OTHERWISE NOTED.  
SEE TMP-1A FOR PAVEMENT MARKING SCHEDULE.  
SEE PAVEMENT MARKING PLANS FOR FINAL MARKINGS ON PEACE ST.  
SEE SIGNAL PLANS FOR PERMANENT SIGNAL DESIGN ON PEACE ST.

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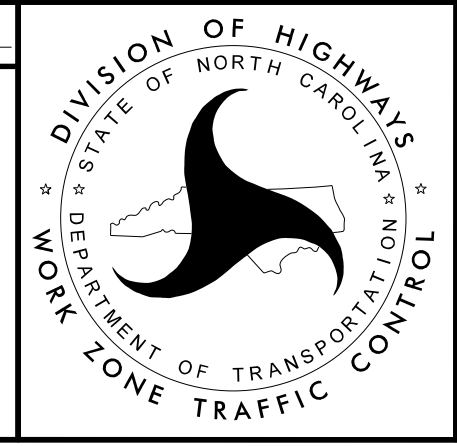
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TRANSPORTATION PLANNING/DESIGN - BRIDGE/STRUCTURE DESIGN  
CIVIL/SITE DESIGN - GIS/GPS - CONSTRUCTION OBSERVATION

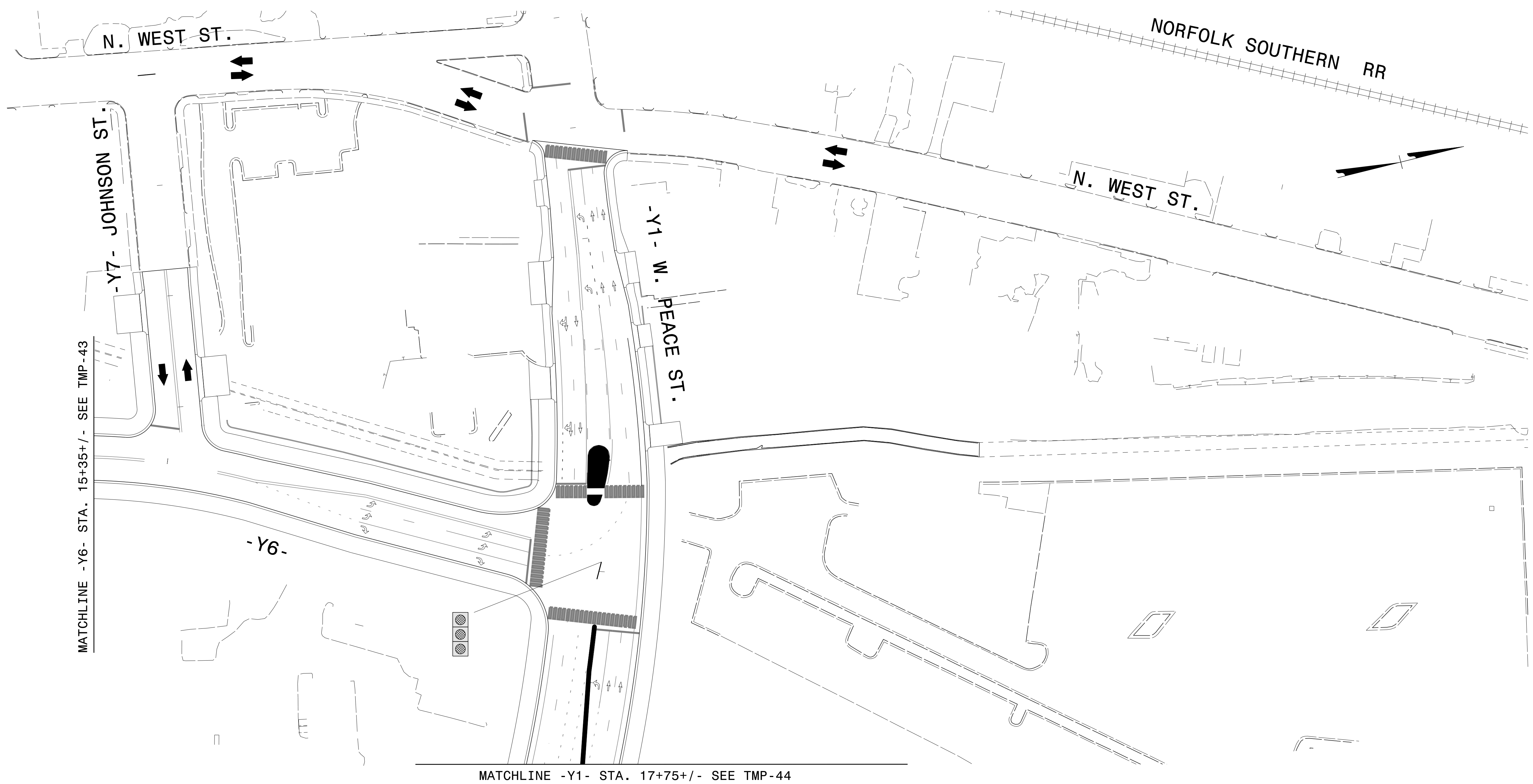
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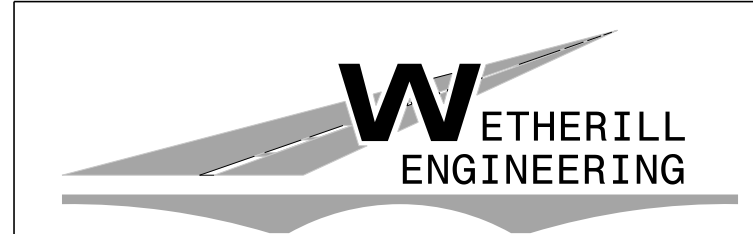


**AREA II-PHASE V  
TEMPORARY TRAFFIC  
CONTROL DETAIL**



NOTE: SEE FINAL PAVEMENT MARKING PLANS FOR FINAL PAVEMENT MARKINGS ON PEACE ST.  
SEE SIGNAL PLANS FOR PERMANENT SIGNAL DESIGN.

2/1/2016  
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User:skennedy

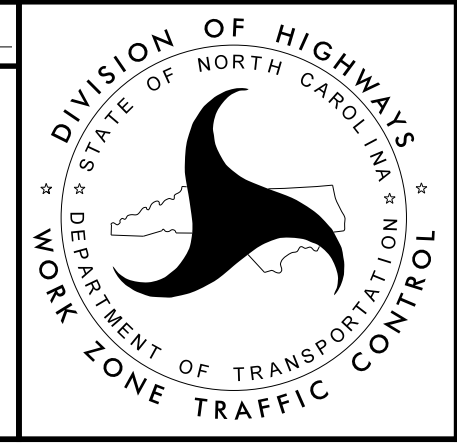


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TRANSPORTATION PLANNING/DESIGN - BRIDGE/STRUCTURE DESIGN  
CIVIL/SITE DESIGN - GIS/GPS - CONSTRUCTION OBSERVATION

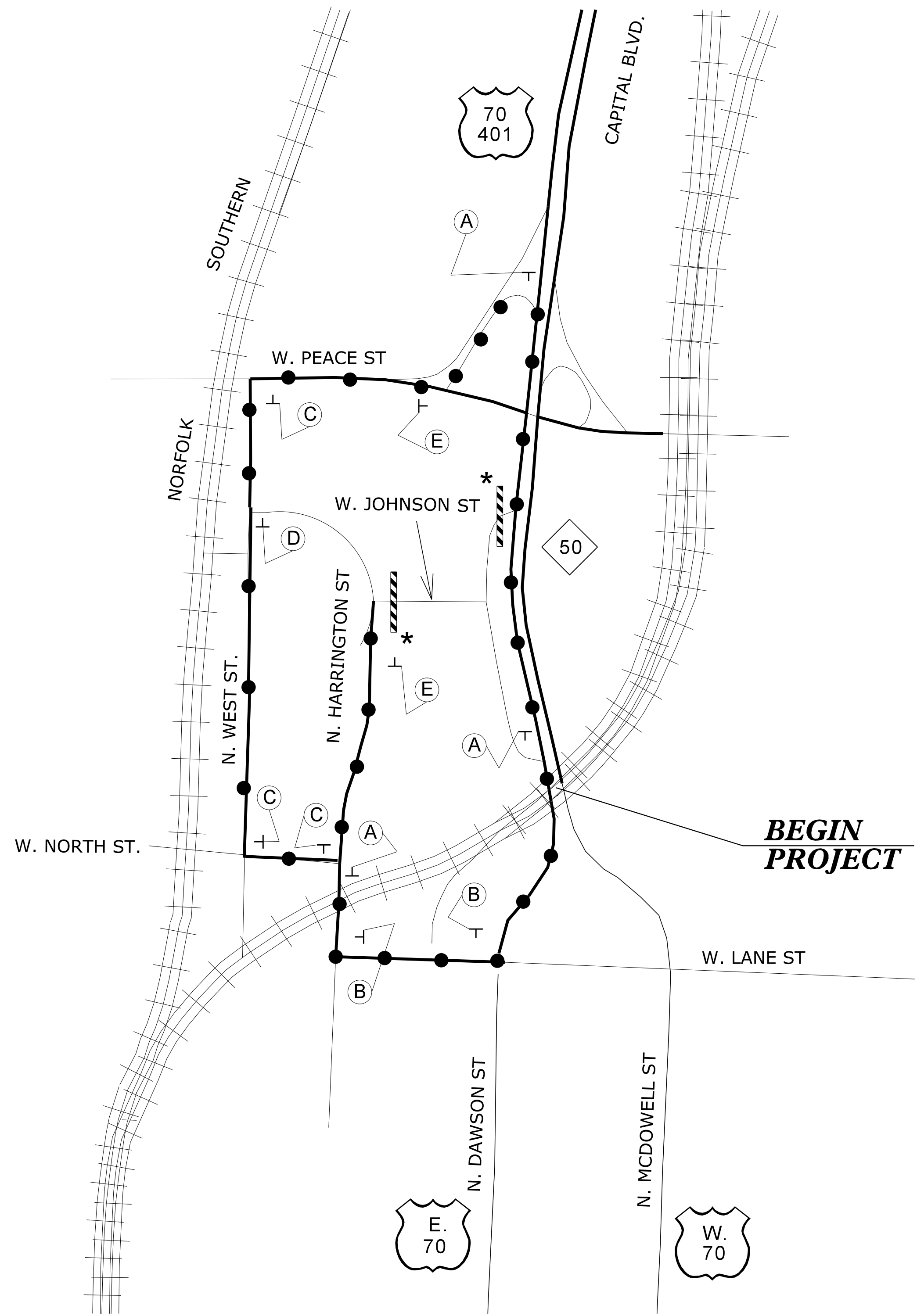
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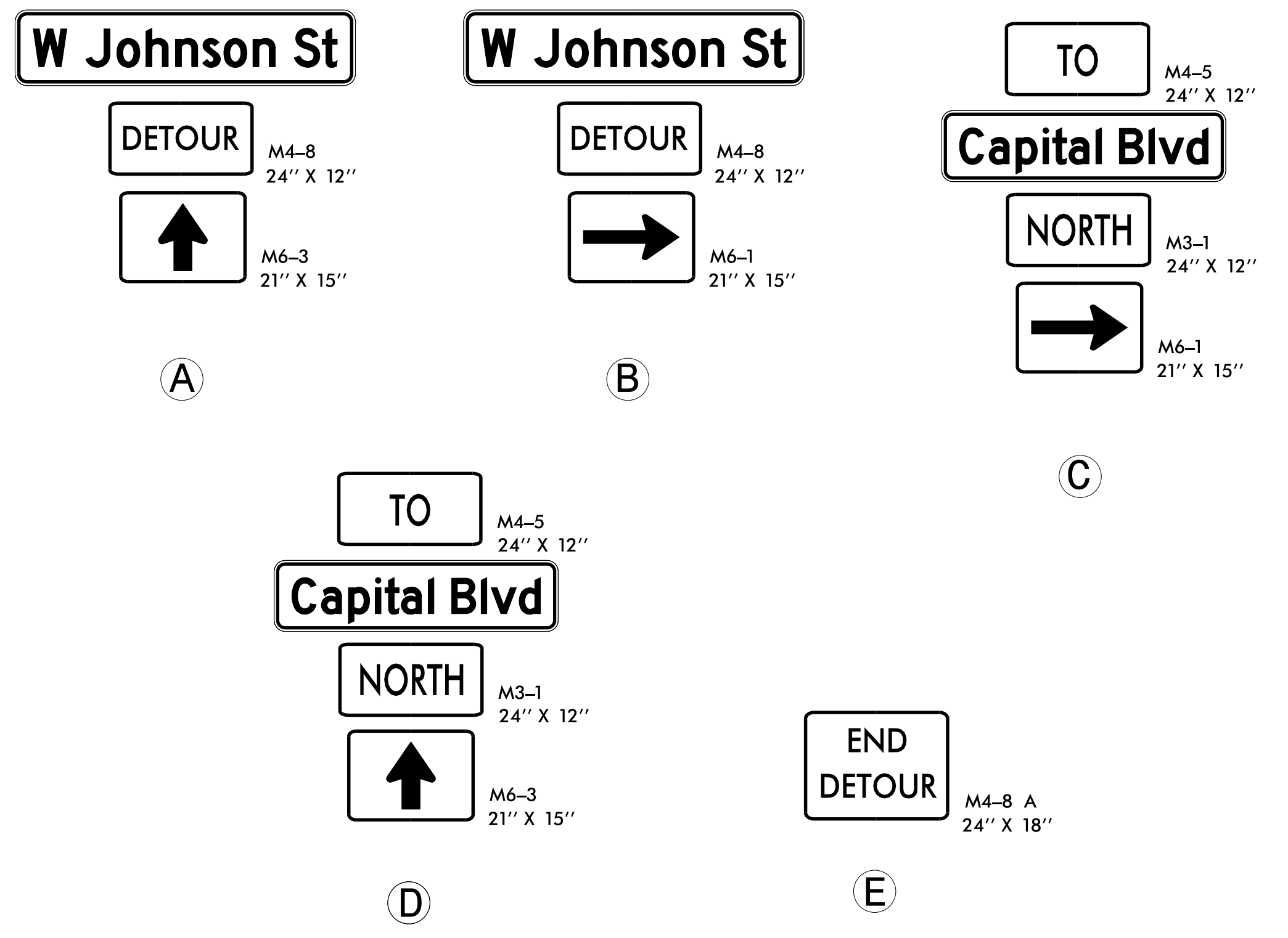


**AREA II - PHASE V  
TEMPORARY TRAFFIC  
CONTROL DETAIL**

**OFF-SITE DETOUR WHEN W. JOHNSON ST. (-Y5-) IS CLOSED  
BETWEEN SOUTHBOUND CAPITAL BLVD. AND N. HARRINGTON ST.**



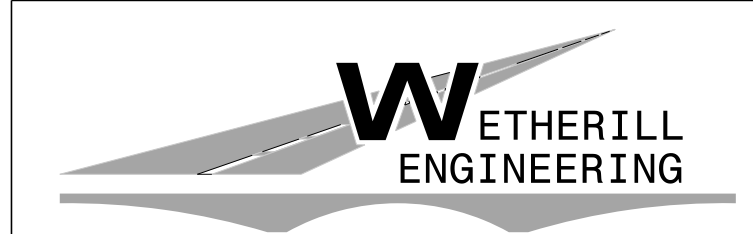
**DETOUR SIGNING**



NOTES: SEE TMP-2B FOR "CAPITAL BLVD" & TMP-2C FOR "W. JOHNSON ST" SPECIAL SIGN DESIGNS.  
\* SEE RSD 1101.03, SHEET 2 OF 9, FOR TYPE III BARRICADE LOCATION WITH ATTACHED SIGNING & ADDITIONAL SIGNING FOR ROAD CLOSURE.

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**DETOUR ROUTE** ● ● ●



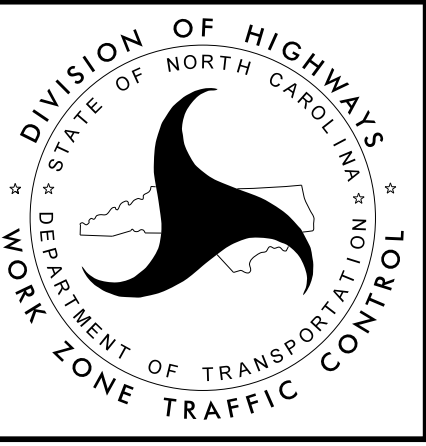
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TRANSPORTATION PLANNING/DESIGN - BRIDGE/STRUCTURE DESIGN  
CIVIL/SITE DESIGN - GIS/GPS - CONSTRUCTION OBSERVATION

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UNLESS ALL SIGNATURES COMPLETED**

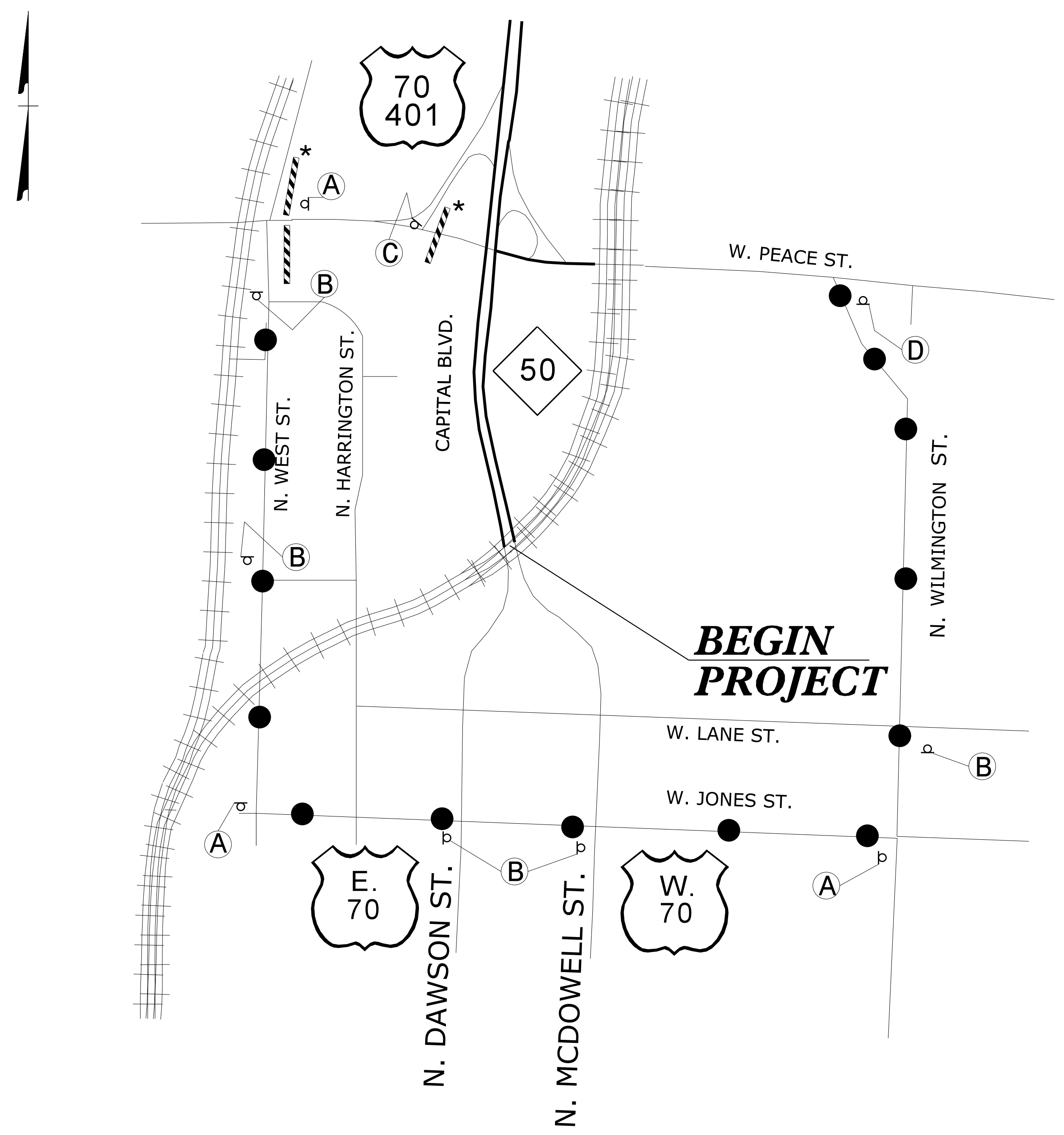
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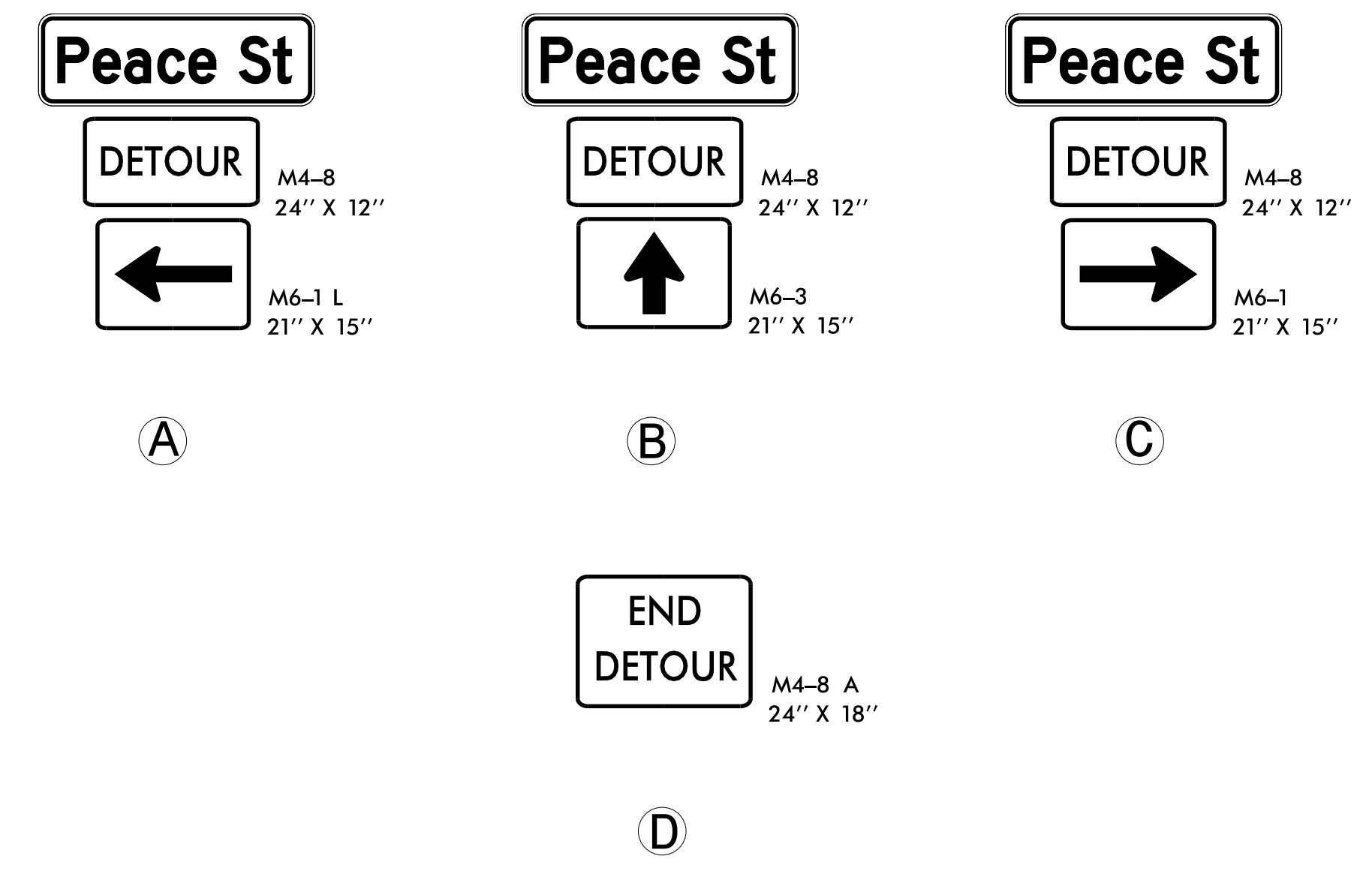


**TEMPORARY TRAFFIC  
CONTROL DETAIL**

OFF-SITE DETOUR FOR EASTBOUND W. PEACE ST. FOR OVERHEAD/  
SUBSTRUCTURE BRIDGE WORK AND UTILITY WORK AT NIGHTTIME.



DETOUR SIGNING



NOTES: WHEN N. HARRINGTON ST. (-Y6-) IS OPEN TO W. PEACE ST. (-Y1-) SEE SHEET TMP-46B FOR OFF-SITE DETOUR.  
SEE TMP-2D FOR "PEACE ST" SPECIAL SIGN DESIGN.  
\* SEE RSD 1101.03 , SHEET 1 OF 9, FOR TYPE III BARRICADE LOCATIONS WITH ATTACHED SIGNING & ADDITIONAL SIGNING FOR ROAD CLOSURES.  
USE LAW ENFORCEMENT AS NECESSARY TO MAINTAIN TRAFFIC.

DETOUR ROUTE ●—●—●

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TRANSPORTATION PLANNING/DESIGN - BRIDGE/STRUCTURE DESIGN  
CIVIL/SITE DESIGN - GIS/GPS - CONSTRUCTION OBSERVATION

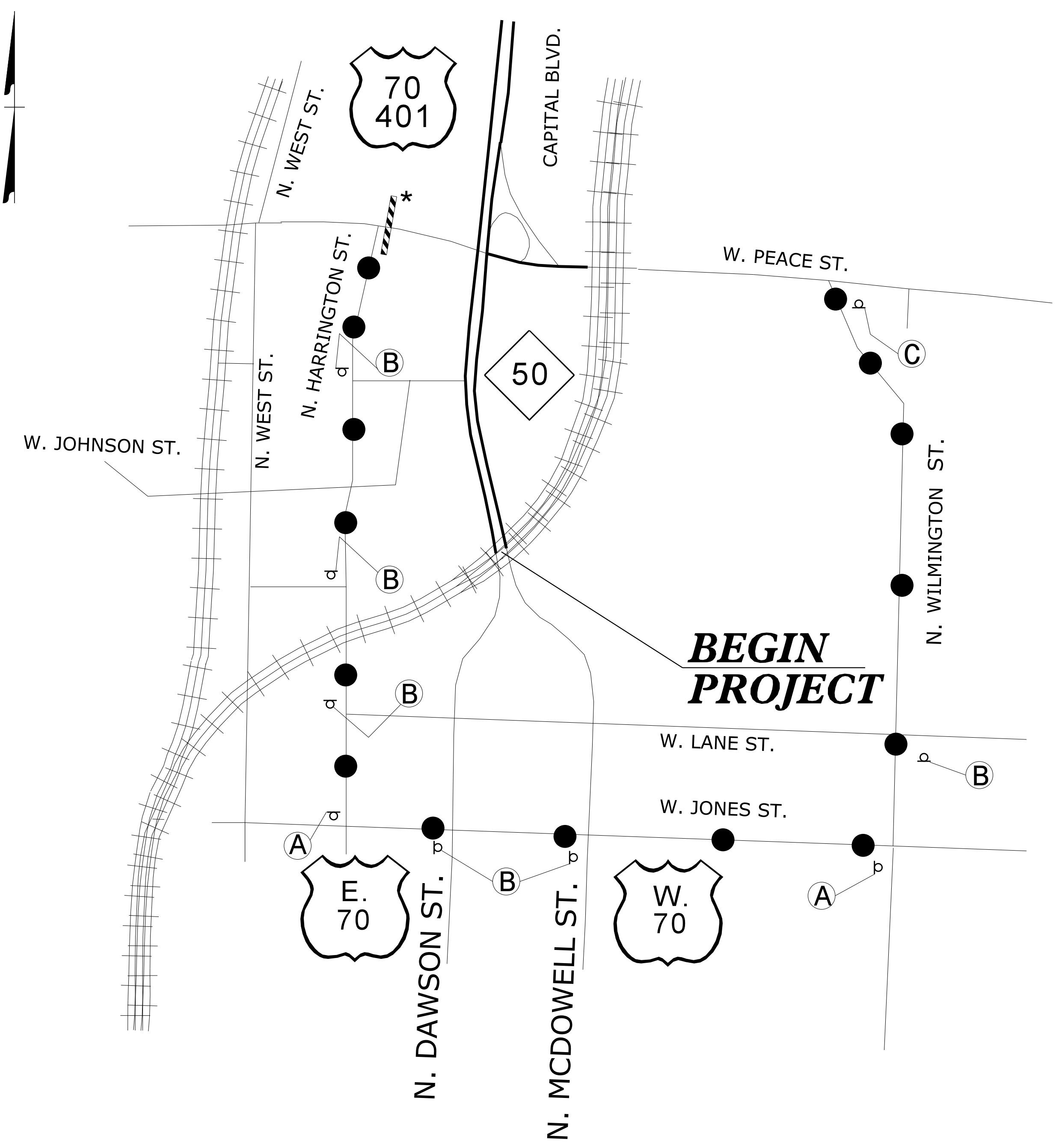
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Bus: 919 851 8077  
Fax: 919 851 8107

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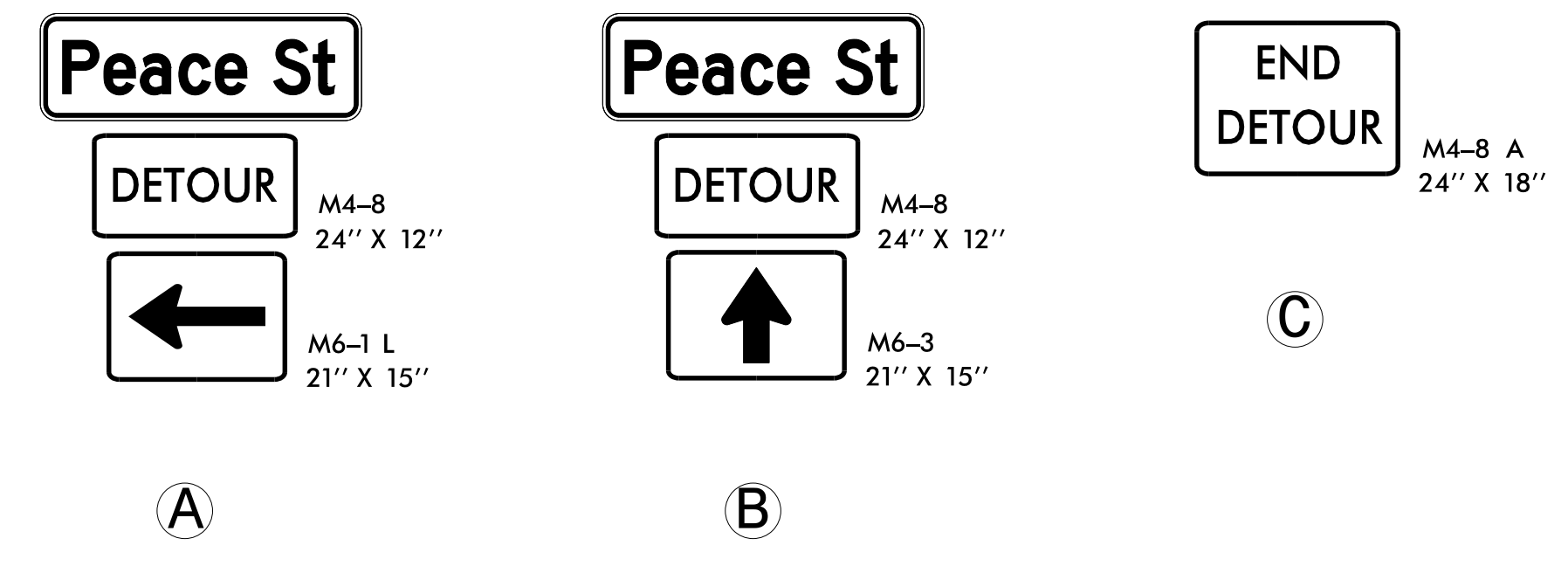
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TEMPORARY TRAFFIC CONTROL DETAIL

OFF-SITE DETOUR FOR EASTBOUND W. PEACE ST. FOR OVERHEAD/  
SUBSTRUCTURE BRIDGE WORK AND UTILITY WORK AT NIGHTTIME.



**DETOUR SIGNING**



- NOTES: USE THIS SHEET FOR OFF-SITE DETOUR WHEN N. HARRINGTON ST. (-6-) IS OPEN TO W. PEACE ST. (-Y1-)
- SEE TMP-2D FOR "PEACE ST" SPECIAL SIGN DESIGN.
- \* SEE RSD 1101.03 , SHEET 2 OF 9, FOR TYPE III BARRICADE LOCATIONS WITH ATTACHED SIGNING & ADDITIONAL SIGNING FOR ROAD CLOSURES.
- USE LAW ENFORCEMENT AS NECESSARY TO MAINTAIN TRAFFIC.

**DETOUR ROUTE** ● ● ●

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**WETHERILL ENGINEERING**

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CIVIL/SITE DESIGN - GIS/GPS - CONSTRUCTION OBSERVATION

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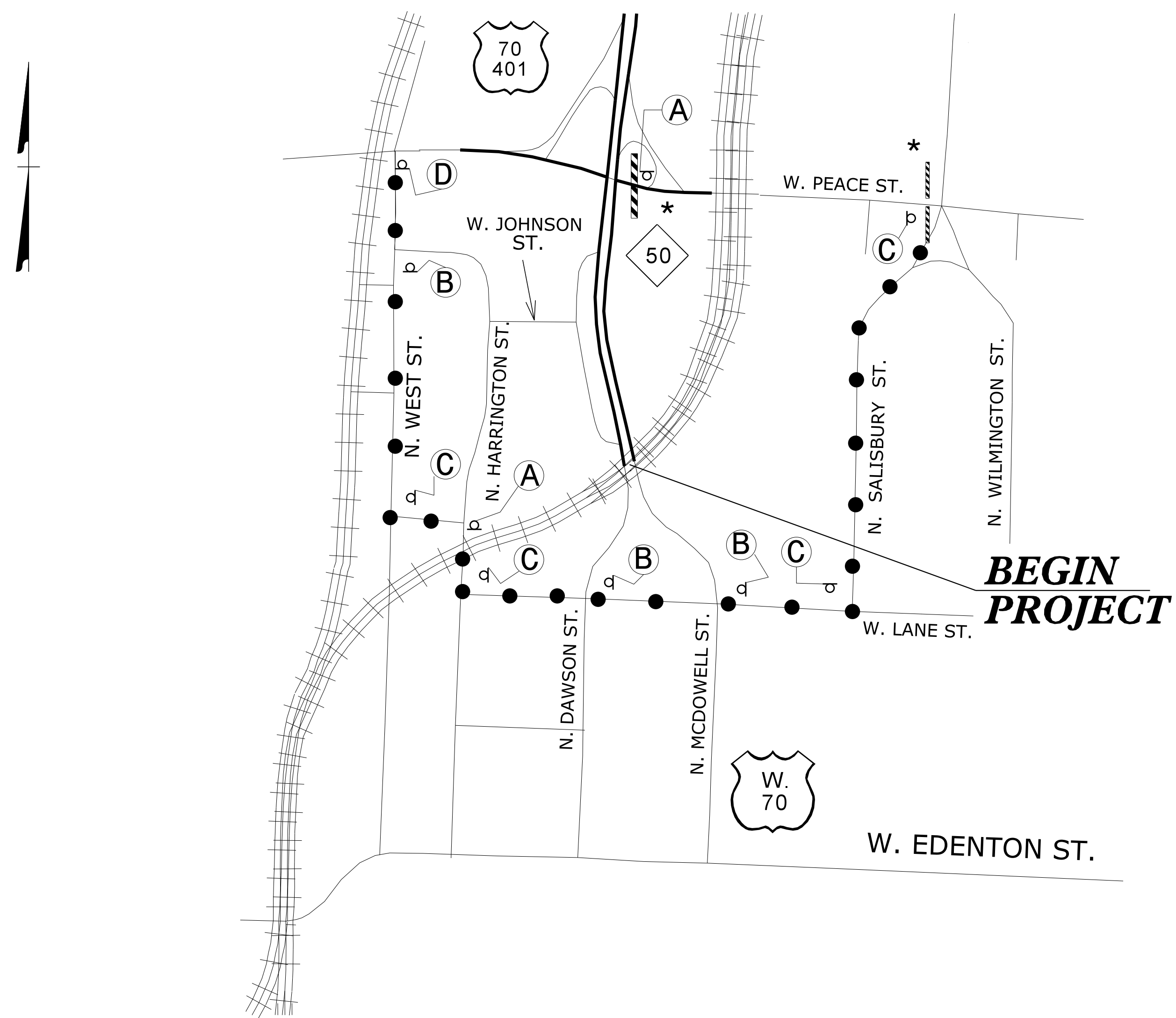
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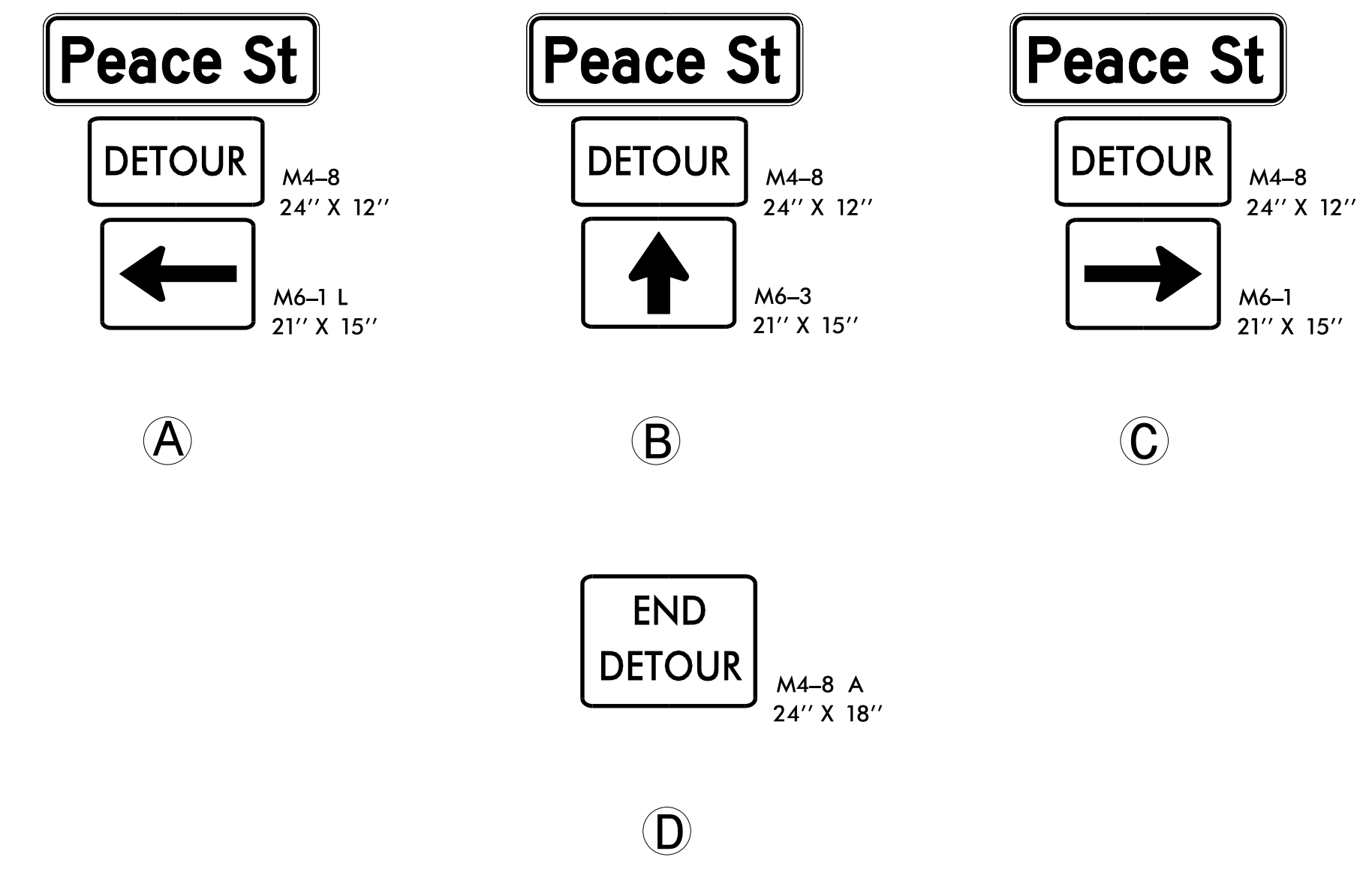
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**TEMPORARY TRAFFIC CONTROL DETAIL**

OFF-SITE DETOUR FOR WESTBOUND W. PEACE ST. FOR OVERHEAD/  
SUBSTRUCTURE BRIDGE WORK AND UTILITY WORK AT NIGHTTIME.



DETOUR SIGNING



- NOTES: WHEN N. HARRINGTON ST. (-Y6-) IS OPEN TO W. PEACE ST. (-Y1-)  
SEE SHEET TMP-46D FOR OFF-SITE DETOUR.
- SEE TMP-2D FOR "PEACE ST" SPECIAL SIGN DESIGN.
- \* SEE RSD 1101.03 , SHEET 1 OF 9, FOR TYPE III BARRICADE LOCATIONS  
WITH ATTACHED SIGNING & ADDITIONAL SIGNING FOR ROAD CLOSURES.
- USE LAW ENFORCEMENT AS NECESSARY TO MAINTAIN TRAFFIC.

DETOUR ROUTE ●—●—●

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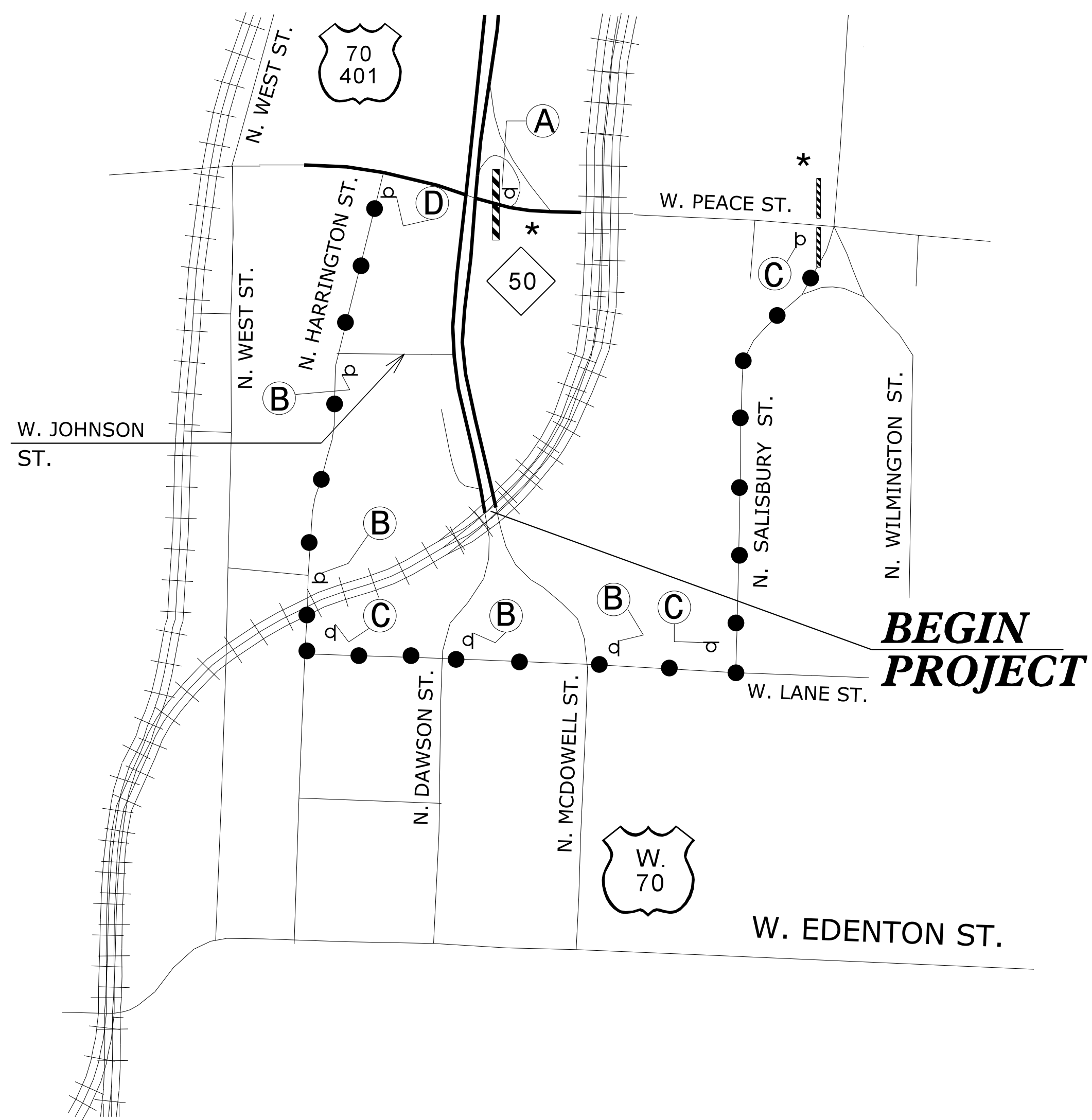
STATE OF NORTH CAROLINA  
DEPARTMENT OF TRANSPORTATION  
DIVISION OF HIGHWAYS  
WORK ZONE TRAFFIC CONTROL

TEMPORARY TRAFFIC  
CONTROL DETAIL

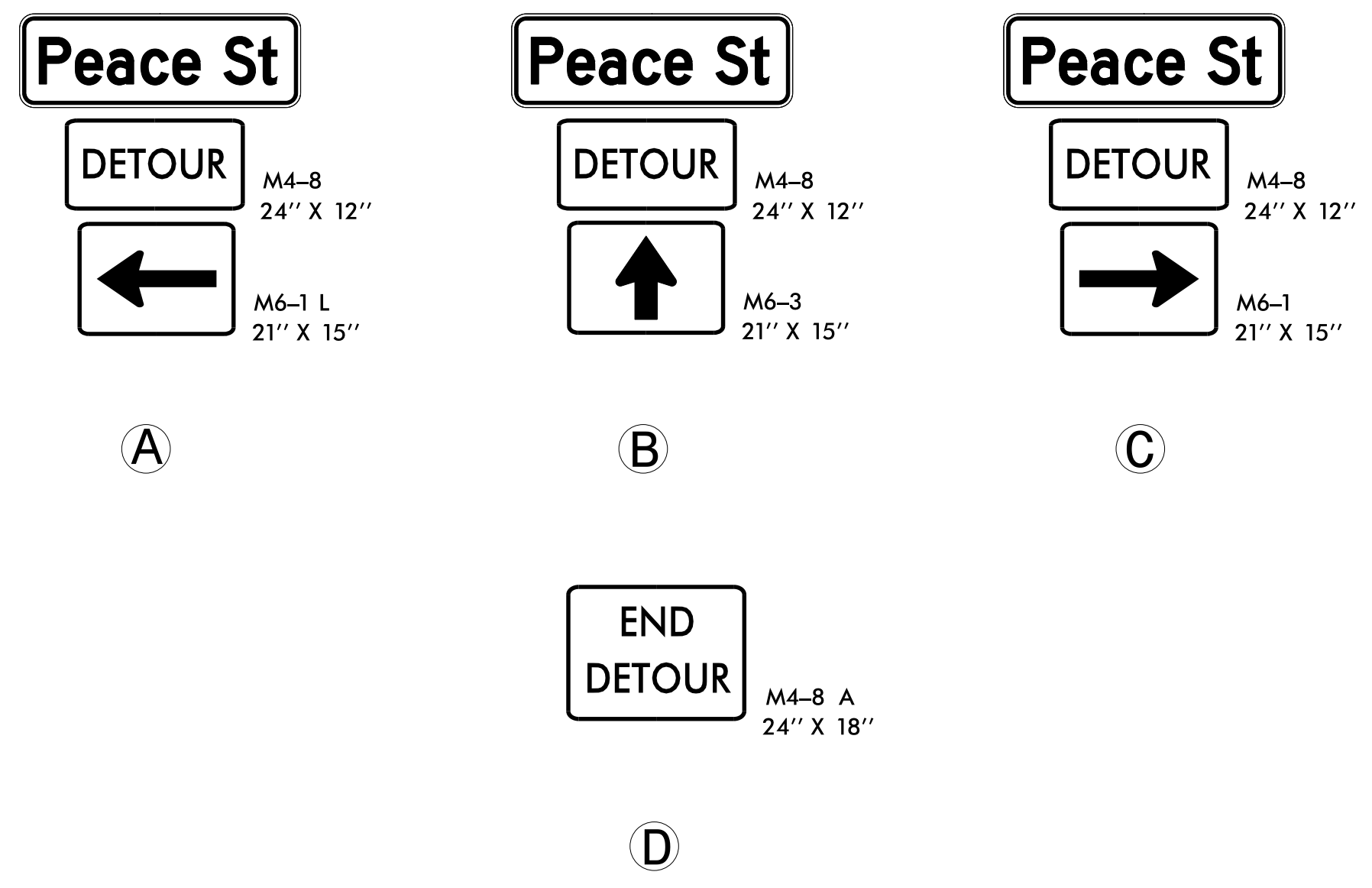
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**OFF-SITE DETOUR FOR WESTBOUND W. PEACE ST. FOR OVERHEAD/  
SUBSTRUCTURE BRIDGE WORK AND UTILITY WORK AT NIGHTTIME.**



**DETOUR SIGNING**



**DETOUR ROUTE** ●—●—●

- NOTES: USE THIS SHEET FOR OFF-SITE DETOUR WHEN N. HARRINGTON ST. (-Y6-) IS OPEN TO W. PEACE ST. (-Y1-).  
SEE TMP-2D FOR "PEACE ST" SPECIAL SIGN DESIGN.  
\* SEE RSD 1101.03 , SHEET 1 OF 9, FOR TYPE III BARRICADE LOCATIONS WITH ATTACHED SIGNING & ADDITIONAL SIGNING FOR ROAD CLOSURES.  
USE LAW ENFORCEMENT AS NECESSARY TO MAINTAIN TRAFFIC.

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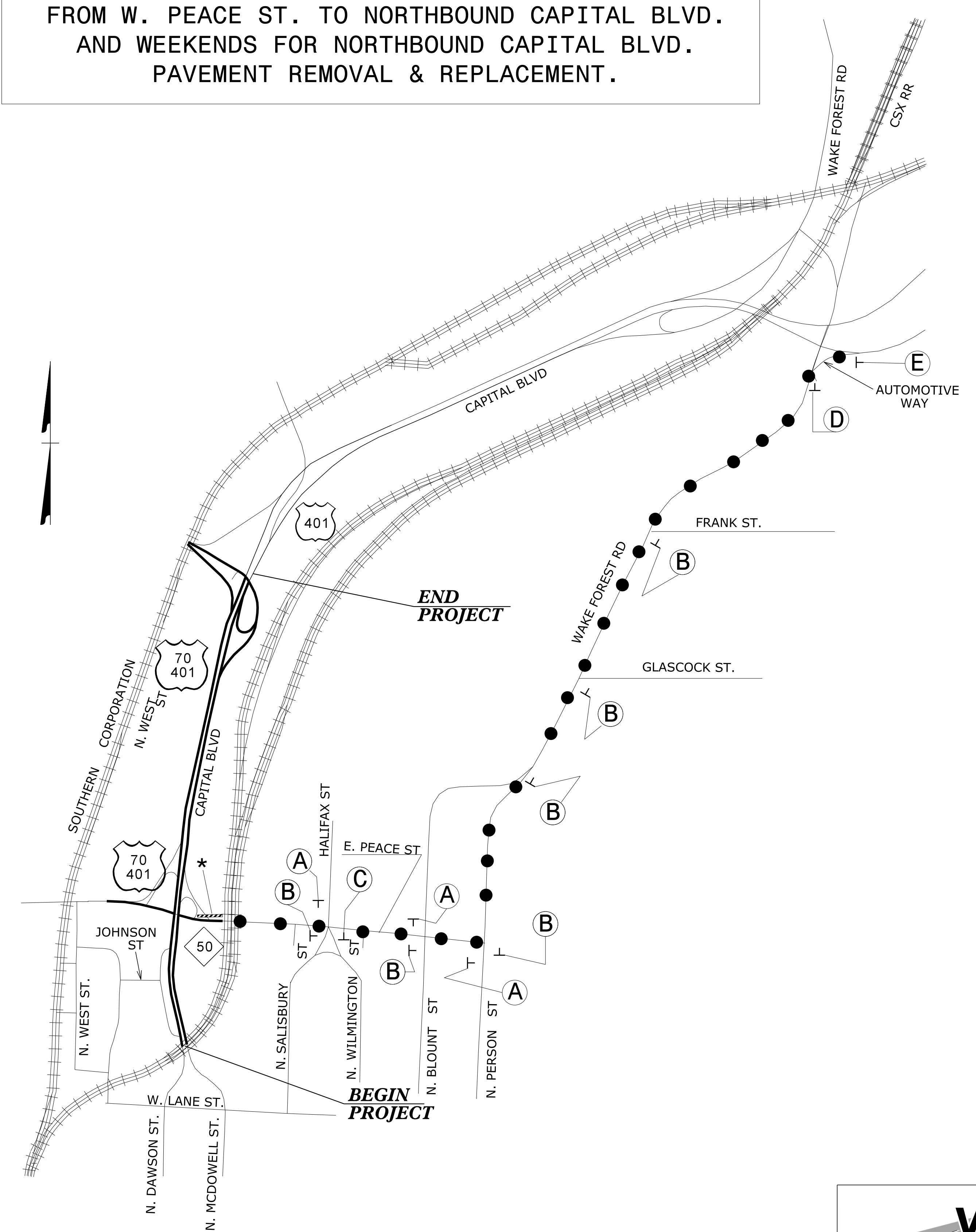
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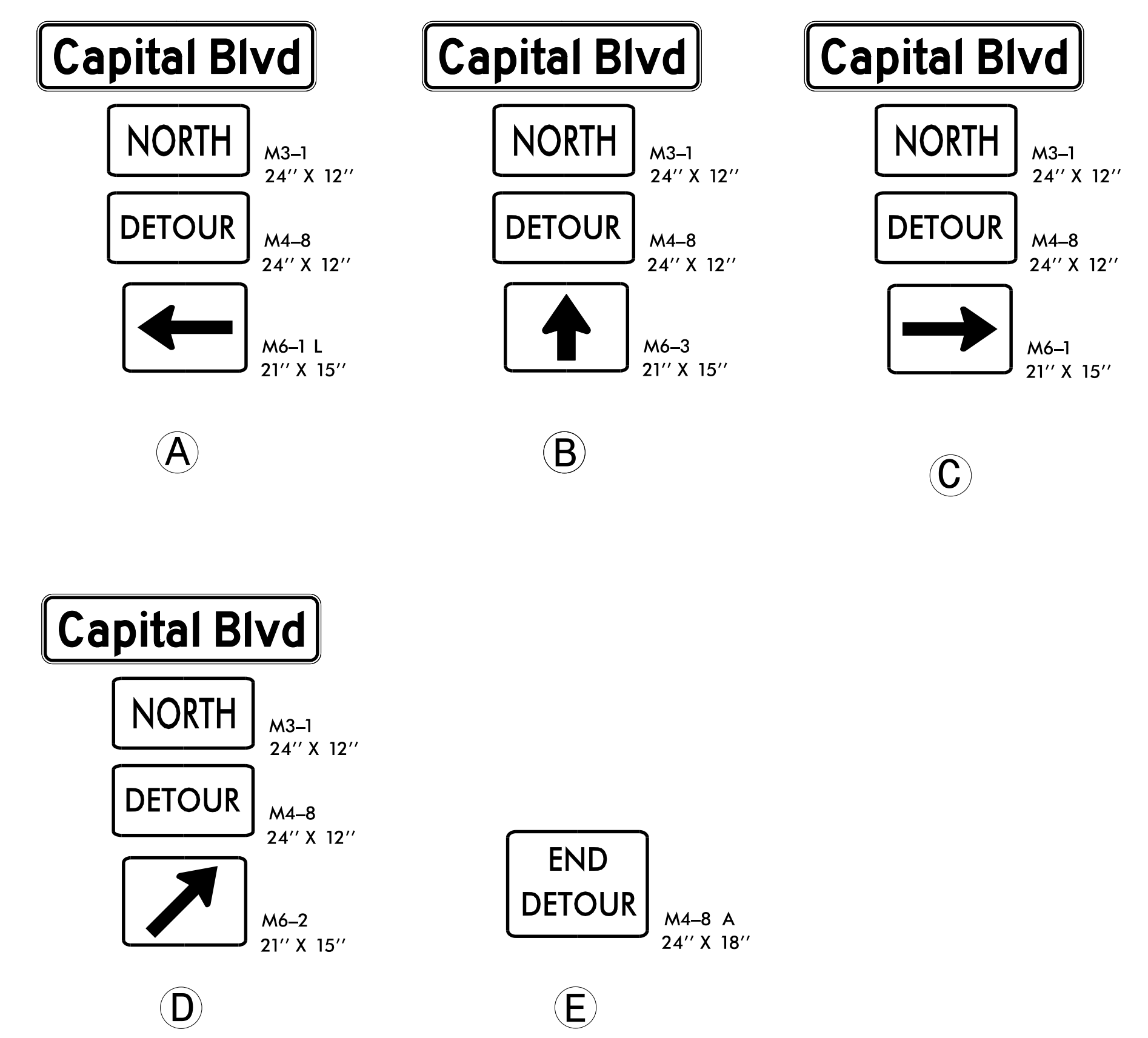
SEAL

**TEMPORARY TRAFFIC CONTROL DETAIL**

OFF-SITE DETOUR WHEN RAMP "D" IS CLOSED FROM W. PEACE ST. TO NORTHBOUND CAPITAL BLVD. AND WEEKENDS FOR NORTHBOUND CAPITAL BLVD. PAVEMENT REMOVAL & REPLACEMENT.



**DETOUR SIGNING**



NOTES: SEE TMP-2B FOR "CAPITAL BLVD" SPECIAL SIGN DESIGN.  
 \* SEE RSD 1101.03, SHEET 2 OF 9, FOR TYPE III BARRICADE LOCATION WITH ATTACHED SIGNING & ADDITIONAL SIGNING FOR ROAD CLOSURE.

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**WETHERILL ENGINEERING**  
 TRANSPORTATION PLANNING/DESIGN - BRIDGE/STRUCTURE DESIGN  
 CIVIL/SITE DESIGN - GIS/GPS - CONSTRUCTION OBSERVATION

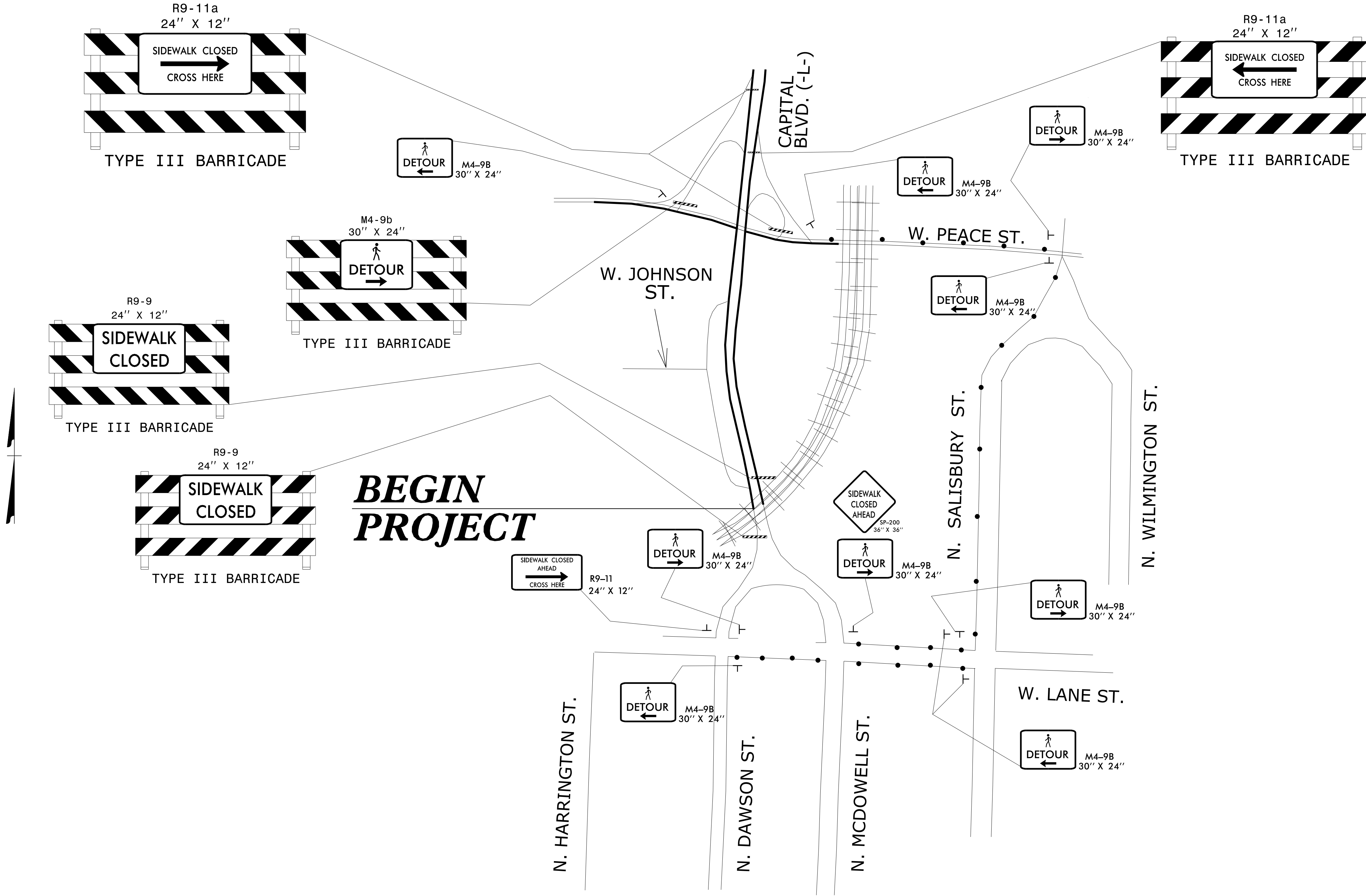
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**TEMPORARY TRAFFIC CONTROL DETAIL**

**PEDESTRIAN OFF-SITE DETOUR FOR NORTHBOUND AND SOUTHBOUND CAPITAL BLVD. (-L-)**



**PEDESTRIAN DETOUR ROUTE**

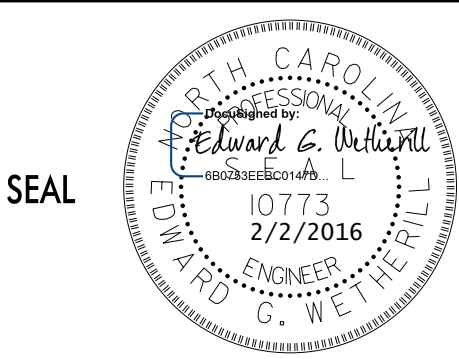
NOTES: TYPE III BARRICADES AND DETOUR SIGNS PLACED AS DIRECTED BY THE ENGINEER.

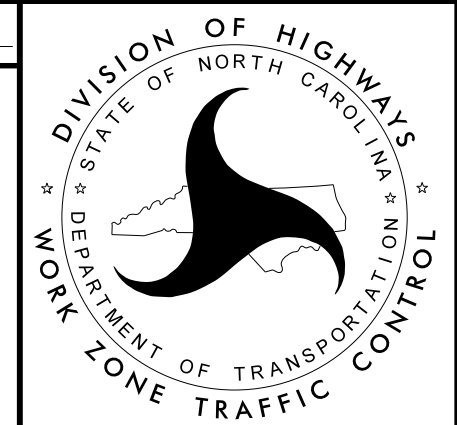

  
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**TEMPORARY TRAFFIC CONTROL DETAIL**

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