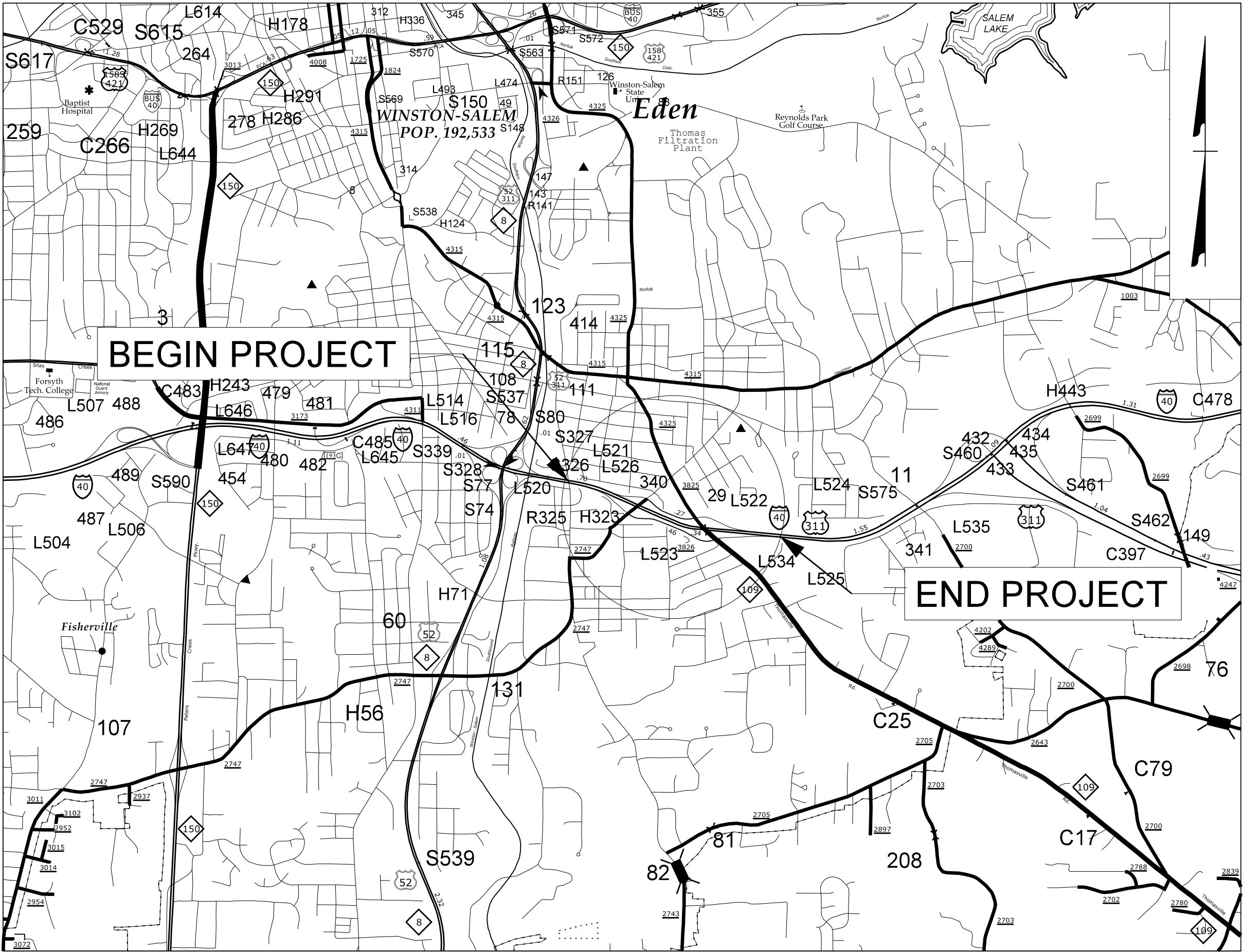
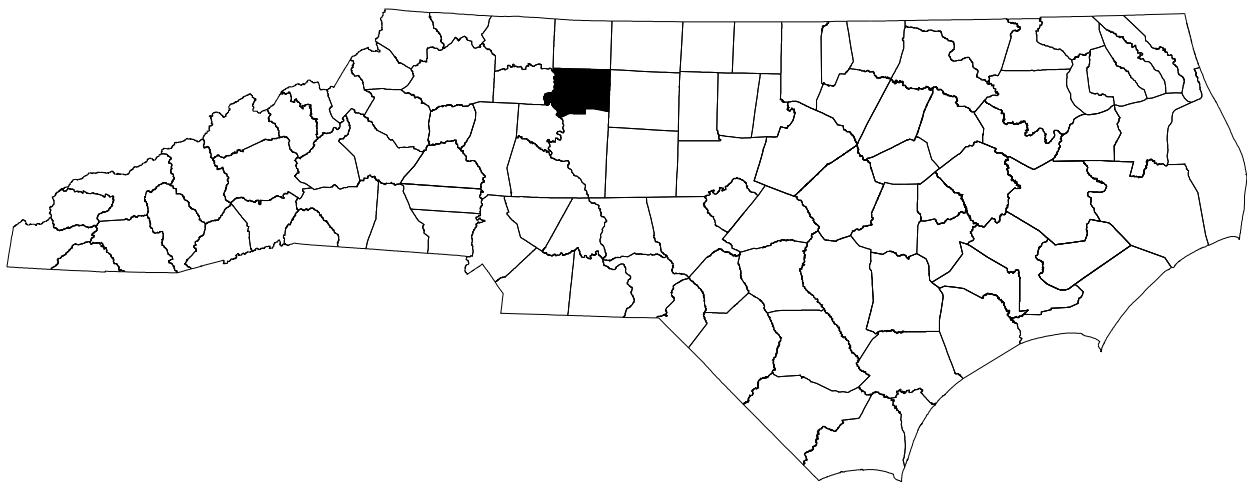
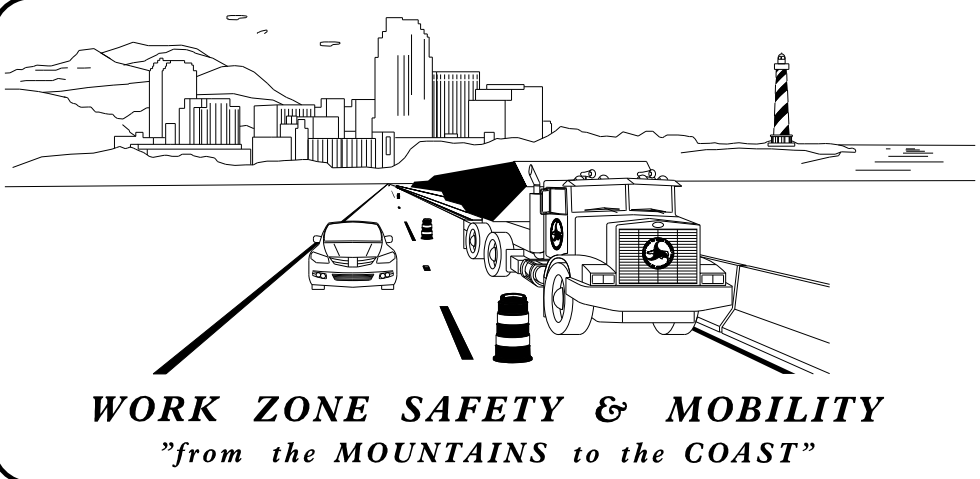


STATE OF NORTH CAROLINA
DIVISION OF HIGHWAYS

TRANSPORTATION MANAGEMENT PLAN
FORSYTH COUNTY



LOCATION: I-40/US 311 AT NC 109 (THOMASVILLE RD/CLEMMONSVILLE RD)
SPLIT DIAMOND INTERCHANGE IN WINSTON-SALEM, NC



PLANS PREPARED BY:

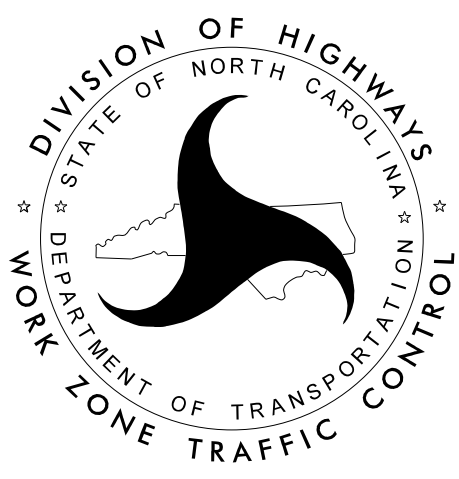
CHARLES YOUNG, PE
PROJECT ENGINEER

COLTON M. RIDDLE, PE
PROJECT DESIGN ENGINEER

NCDOT CONTACTS:

KENNETH C. THORNEWELL, PE
PROJECT ENGINEER

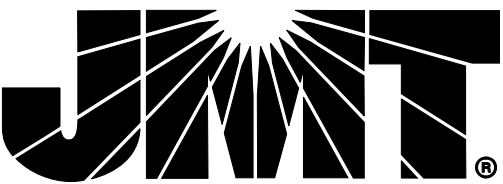
MIKE STEELMAN
PROJECT DESIGN ENGINEER



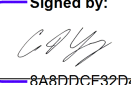
INDEX OF SHEETS

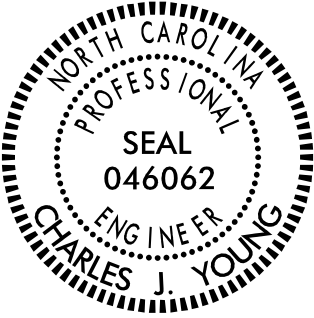
SHEET NO.	TITLE
TMP-1	TITLE SHEET, VICINITY MAP, AND INDEX OF SHEETS
TMP-1A	LIST OF APPLICABLE ROADWAY STANDARD DRAWINGS, AND LEGEND
TMP-1B THRU TMP-1C	TRANSPORTATION OPERATIONS PLAN: (MANAGEMENT STRATEGIES, GENERAL NOTES, AND LOCAL NOTES)
TMP-1D THRU TMP-1E	TEMPORARY SHORING NOTES AND PCB AT TEMPORARY SHORING LOCATIONS
TMP-2 THRU TMP-2A	SPECIAL SIGN DESIGNS
TMP-2B THRU TMP-2D	OFFSITE DETOUR PLAN SHEETS
TMP-3 THRU TMP-3A	TEMPORARY TRAFFIC CONTROL PHASING
TMP-4 THRU TMP-8	TEMPORARY TRAFFIC CONTROL PHASE I DETAILS
TMP-9	TEMPORARY TRAFFIC CONTROL PHASE IA DETAILS
TMP-10	TEMPORARY TRAFFIC CONTROL PHASE IB DETAILS
TMP-11	TEMPORARY TRAFFIC CONTROL PHASE IC DETAILS
TMP-12	TEMPORARY TRAFFIC CONTROL PHASE ID DETAILS
TMP-13 THRU TMP-18	TEMPORARY TRAFFIC CONTROL PHASE II DETAILS
TMP-19 THRU TMP-24	TEMPORARY TRAFFIC CONTROL PHASE III DETAILS

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4700 Falls of Neuse Road, Suite 100,
Raleigh, NC, 27609
License No: C-3097

APPROVED: 
DATE: 6/10/2025



SHEET NO.
TMP-1

I-5880

TIP PROJECT:

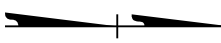
ROADWAY STANDARD DRAWINGS

THE FOLLOWING ROADWAY STANDARDS AS SHOWN IN "ROADWAY STANDARD DRAWINGS" - N.C. DEPARTMENT OF TRANSPORTATION - RALEIGH, N.C., DATED JANUARY 2024 ARE APPLICABLE TO THIS PROJECT AND BY REFERENCE HEREBY ARE CONSIDERED A PART OF THESE PLANS:

STD. NO.	TITLE
1101.01	WORK ZONE WARNING SIGNS
1101.02	TEMPORARY LANE CLOSURES
1101.03	TEMPORARY ROAD CLOSURES
1101.04	TEMPORARY SHOULDER CLOSURES
1101.05	WORK ZONE VEHICLE ACCESSES
1101.06	WARNING SIGNS FOR BLASTING ZONES
1101.11	TRAFFIC CONTROL DESIGN TABLES
1110.01	STATIONARY WORK ZONE SIGNS
1110.02	PORTABLE WORK ZONE SIGNS
1115.01	FLASHING ARROW BOARDS
1130.01	DRUMS
1135.01	CONES
1145.01	BARRICADES
1150.01	FLAGGING DEVICES
1160.01	TEMPORARY CRASH CUSHION
1165.01	TRUCK MOUNTED ATTENUATOR
1170.01	PORTABLE CONCRETE BARRIER
1180.01	SKINNY - DRUMS
1205.01	PAVEMENT MARKINGS - LINE TYPES AND OFFSETS
1205.02	PAVEMENT MARKINGS - TWO LANE AND MULTILANE 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
1205.10	PAVEMENT MARKINGS - SCHOOL AREAS
1205.11	PAVEMENT MARKINGS - RAILROAD CROSSINGS
1205.12	PAVEMENT MARKINGS - BRIDGES
1205.13	PAVEMENT MARKINGS - LANE REDUCTIONS
1205.14	PAVEMENT MARKINGS - ROUNDABOUTS
1205.15	PAVEMENT MARKINGS - SUPERSTREETS
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
1262.01	GUARDRAIL END DELINEATION
1264.01	OBJECT MARKERS - TYPES
1264.02	OBJECT MARKERS - INSTALLATION

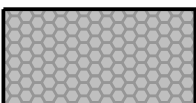
LEGEND

GENERAL

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

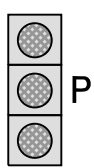
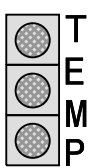
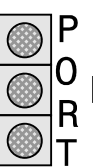
 WORK AREA

 REMOVAL

 TEMPORARY PAVEMENT

 WEDGING

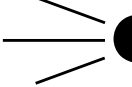
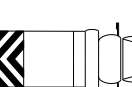
SIGNALS

-  EXISTING
-  PROPOSED
-  TEMPORARY
-  PORTABLE

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

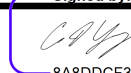
PAVEMENT MARKING SYMBOLS

-  PAVEMENT MARKING SYMBOLS

TEMPORARY PAVEMENT MARKING

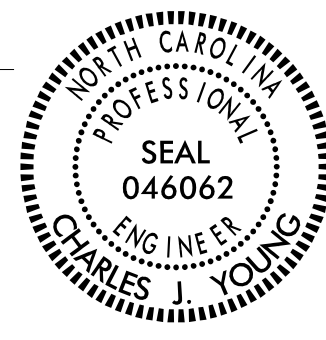
MATERIAL	SYMBOL	DESCRIPTION	MATERIAL	SYMBOL	DESCRIPTION
PAINT (4")			PAINT (8")		
	P1	WHITE EDGELINE (4")		P40	SOLID WHITE GORE LINE 8"
	P2	WHITE SOLID LANE LINE (4")		P41	WHITE DIAGONAL 8"
	P3	10 FT. WHITE SKIP (4")		P42	YELLOW DIAGONAL 8"
	P4	3 FT. - 9 FT./SP WHITE MINISKIP (4")		P43	WHITE SOLID LANE LINE 8"
	P5	2 FT. -6 FT./SP WHITE MINISKIP (4")		P44	3 FT. - 9 FT./SP WHITE MINISKIP (8')
	P10	YELLOW EDGELINE (4")		P45	3 FT. - 3 FT./SP WHITE MINISKIP (8')
	P11	YELLOW SINGLE CENTER (4")		P46	WHITE CROSSWALK LINE (8")
	P13	YELLOW DOUBLE CENTER LINE (4")	PAINT (12")		
	P14	2 FT. -6 FT./SP YELLOW MINISKIP (4")		P50	WHITE GORELINE (12")
PAINT (6")			PAINT (24")		
	P20	WHITE EDGELINE (6")		P61	WHITE STOPBAR (24")
	P22	10 FT. WHITE SKIP (6")			
	P23	3 FT. -9 FT./SP WHITE MINISKIP (6")			
	P30	YELLOW EDGELINE (6")			
PAINT PAVEMENT MARKING SYMBOLS					
	P70	LEFT TURN ARROW			
	P71	RIGHT TURN ARROW			
	P72	WHITE STRAIGHT ARROW			
	P73	COMBO LEFT/STRAIGHT ARROW			
	P74	COMBO RIGHT/STRAIGHT ARROW			
	P75	COMBO LEFT/RIGHT ARROW			
	P78	COMBO LEFT/U-TURN ARROW			
	P79	MERGE ARROW			
	P100	ALPHANUMERIC CHARACTER			
	P103	24" YIELD LINE TRIANGLE			

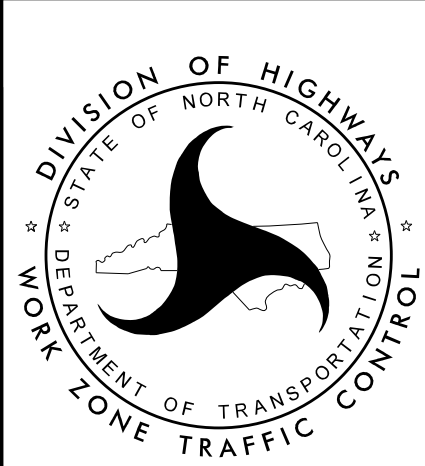
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Signed by:

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APPROVED: _____

DATE: 6/10/2025





ROADWAY STANDARD
DRAWINGS & LEGEND

DOCUMENT NOT CONSIDERED FINAL
UNLESS ALL SIGNATURES COMPLETED

MANAGEMENT STRATEGIES

THE FOLLOWING LISTED WORK ZONE STRATEGIES ARE RECOMMENDED FOR INCLUSION WITHIN THIS TRANSPORTATION MANAGEMENT PLAN (TMP).

RECOMMENDED STRATEGIES:

TRAFFIC MANAGEMENT STRATEGIES:

- FULL ROADWAY CLOSURES
- ROLLING ROADBLOCK
- LANE SHIFTS OR CLOSURES
- SHOULDER CLOSURES
- ONE-LANE, TWO WAY OPERATION (FLAGGING)
- RAMP CLOSURES / RELOCATION
- NIGHT WORK
- WEEKEND WORK
- WORK HOUR RESTRICTIONS FOR PEAK TRAVEL
- PEDESTRIAN / BICYCLE ACCOMMODATIONS
- OFF-SITE DETOURS / USE OF ALTERNATIVE ROUTES

WORK ZONE SAFETY & MOBILITY STRATEGIES:

- TEMPORARY RUMBLE STRIPS

CORRIDOR / NETWORK MANAGEMENT STRATEGIES:

- SIGNAL TIMING / COORDINATION IMPROVEMENTS
- TRUCK / HEAVY VEHICLE RESTRICTIONS

TRAFFIC / INCIDENT MANAGEMENT & SPEED ENFORCEMENT STRATEGIES:

- COORDINATION WITH STATE TRAFFIC OPERATIONS CENTER (STOC)
- COORDINATION WITH MEDIA
- LOCAL DETOUR ROUTES
- COOPERATIVE LAW ENFORCEMENT (HAWKS)

CONTRACTING & INNOVATIVE CONSTRUCTION STRATEGIES:

- INTERMEDIATE CONTRACT TIMES / LIQUIDATED DAMAGES
- INNOVATIVE CONSTRUCTION TECHNIQUES (PRECAST MEMBERS, RAPID CURE MATERIALS)

GENERAL NOTES

CHANGES MAY BE REQUIRED WHEN PHYSICAL DIMENSIONS IN THE DETAIL DRAWINGS, STANDARD DETAILS, AND ROADWAY DETAILS ARE NOT ATTAINABLE TO MEET FIELD CONDITIONS OR RESULT IN DUPLICATE OR UNDESIRE

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

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

TIME RESTRICTIONS

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

ROAD NAME	DAY AND TIME RESTRICTIONS
I-40	MONDAY THRU SUNDAY 5:00 A.M. TO 9:00 P.M.
ANY RAMP	MONDAY THRU SUNDAY 5:00 A.M. TO 9:00 P.M.
CLEMMONSVILLE RD	MONDAY THRU FRIDAY 5:00 A.M. TO 9:00 A.M. & 3:00 P.M. TO 7:00 P.M.
THOMASVILLE RD	MONDAY THRU FRIDAY 5:00 A.M. TO 9:00 A.M. & 3:00 P.M. TO 7:00 P.M.

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

ROAD NAME
ANY ROAD
HOLIDAY
1. FOR ANY UNEXPECTED OCCURRENCE THAT CREATES UNUSUALLY HIGH TRAFFIC VOLUMES, AS DIRECTED BY THE ENGINEER.
2. FOR NEW YEAR'S, BETWEEN THE HOURS OF 5:00 A.M. DECEMBER 31st TO 9:00 P.M. JANUARY 2ND. IF NEW YEAR'S DAY IS ON A FRIDAY, SATURDAY, SUNDAY, OR MONDAY THEN UNTIL 9:00 P.M. THE FOLLOWING TUESDAY.

- 3. FOR EASTER, BETWEEN THE HOURS OF 5:00 A.M. THURSDAY AND 9:00 P.M. MONDAY.
- 4. FOR MEMORIAL DAY, BETWEEN THE HOURS OF 5:00 A.M. FRIDAY TO 9:00 P.M. TUESDAY.
- 5. FOR INDEPENDENCE DAY, BETWEEN THE HOURS OF 5:00 A.M. THE DAY BEFORE INDEPENDENCE DAY AND 9:00 P.M. THE DAY AFTER INDEPENDENCE DAY.

IF INDEPENDENCE DAY IS ON A FRIDAY, SATURDAY, SUNDAY OR MONDAY THEN BETWEEN THE HOURS OF 5:00 A.M. THE THURSDAY BEFORE INDEPENDENCE DAY AND 9:00 P.M. THE TUESDAY AFTER INDEPENDENCE DAY.
- 6. FOR LABOR DAY, BETWEEN THE HOURS OF 5:00 A.M. FRIDAY AND 9:00 P.M. TUESDAY.
- 7. FOR THANKSGIVING DAY, BETWEEN THE HOURS OF 5:00 A.M. TUESDAY TO 9:00 P.M. MONDAY.
- 8. FOR CHRISTMAS, BETWEEN THE HOURS OF 5:00 A.M. THE FRIDAY BEFORE THE WEEK OF CHRISTMAS DAY AND 9:00 P.M. THE FOLLOWING TUESDAY AFTER THE WEEK OF CHRISTMAS.

C) DO NOT CLOSE ROADS AS FOLLOWS:

ROAD NAME	DAY AND TIME RESTRICTIONS
RAMP -RPD-	MONDAY THRU SUNDAY 5:00 A.M. TO 12:00 A.M.

D) DO NOT STOP TRAFFIC AS FOLLOWS:

ROAD NAME	DAY AND TIME RESTRICTIONS	DURATION AND OPERATION
I-40	MONDAY THRU SUNDAY 5:00 A.M. TO 12:00 A.M.	20 MIN., TIE-INS, MARKING PLACEMENT, TRAFFIC SHIFTS
CLEMMONSVILLE RD & THOMASVILLE RD	MONDAY THRU FRIDAY 5:00 A.M. TO 9:00 A.M. & 3:00 P.M. TO 7:00 P.M.	20 MIN., TIE-INS, MARKING PLACEMENT, TRAFFIC SHIFTS
CLEMMONSVILLE RD	MONDAY THRU SUNDAY 5:00 A.M. TO 9:00 P.M.	30 MIN., OVERHEAD WORK (I-40)

E) 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

- F) 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.
- G) 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.
- H) 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.

- I) 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.
- J) 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.

- K) DO NOT INSTALL MORE THAN ONE SIMULTANEOUS LANE CLOSURES IN ANY ONE DIRECTION ON ANY ROAD.
- L) DO NOT INSTALL MORE THAN ONE LANE CLOSURE IN ANY ONE DIRECTION ON ANY ROAD.
- M) USE SEQUENTIAL FLASHING WARNING LIGHTS ON DRUMS USED FOR THE MERGING TAPERS OF NIGHTTIME LANE CLOSURES IN ACCORDANCE WITH SECTION 1140 IN THE STANDARD SPECIFICATIONS FOR ROADS AND STRUCTURES.
- N) NOTIFY THE NCDOT STATEWIDE TRANSPORTATION OPERATIONS CENTER (STOC) AT 877-627-7862 APPROXIMATELY 30 MINUTES PRIOR TO INSTALLING AND WITHIN 15 MINUTES AFTER REMOVING LANE CLOSURES ON INTERSTATES, FREEWAYS, CONTROLLED ACCESS FACILITIES, AND US ROUTES.

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

PAVEMENT EDGE DROP OFF REQUIREMENTS

P) BACKFILL AT A 6:1 SLOPE UP TO THE EDGE AND ELEVATION OF EXISTING PAVEMENT IN AREAS ADJACENT TO AN OPENED TRAVEL LANE THAT HAS AN EDGE OF PAVEMENT DROP-OFF AS FOLLOWS:

BACKFILL DROP-OFFS THAT EXCEED 2 INCHES ON ROADWAYS WITH POSTED SPEED LIMITS OF 45 MPH OR GREATER.

BACKFILL DROP-OFFS THAT EXCEED 3 INCHES ON ROADWAYS WITH POSTED SPEED LIMITS LESS THAN 45 MPH.

BACKFILL WITH SUITABLE COMPACTED MATERIAL, AS APPROVED BY THE ENGINEER, AT NO EXPENSE TO THE DEPARTMENT.

Q) 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) 500 FT. IN ADVANCE AND A MINIMUM OF EVERY HALF MILE THROUGHOUT THE UNEVEN AREA.

TRAFFIC PATTERN ALTERATIONS

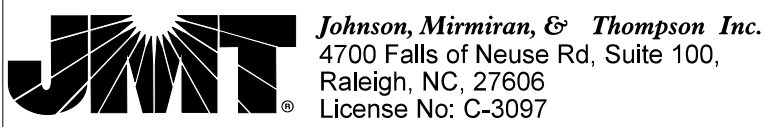
R) NOTIFY THE ENGINEER THIRTY (30) CALENDAR DAYS PRIOR TO ANY TRAFFIC PATTERN ALTERATION.

SIGNING

- S) 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.
- T) PROVIDE SIGNING AND DEVICES REQUIRED TO CLOSE THE ROAD ACCORDING TO THE ROADWAY STANDARD DRAWINGS AND TRAFFIC CONTROL PLANS.

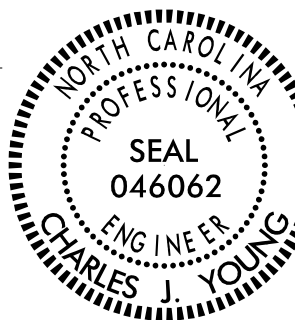
PROVIDE SIGNING REQUIRED FOR THE OFF-SITE DETOUR ROUTE AS SHOWN IN THE TRAFFIC CONTROL PLANS.
- U) COVER OR REMOVE ALL SIGNS AND DEVICES REQUIRED TO CLOSE THE ROAD WHEN ROAD CLOSURE IS NOT IN OPERATION.

COVER OR REMOVE ALL SIGNS REQUIRED FOR THE OFF-SITE DETOUR WHEN THE DETOUR IS NOT IN OPERATION.
- V) ENSURE ALL NECESSARY SIGNING IS IN PLACE PRIOR TO ALTERING ANY TRAFFIC PATTERN.
- W) INSTALL BLACK ON ORANGE "DIP" SIGNS (W8-2) AND/OR "BUMP" SIGNS (W8-1) 350 FT. IN ADVANCE OF THE UNEVEN AREA, OR AS DIRECTED BY THE ENGINEER.

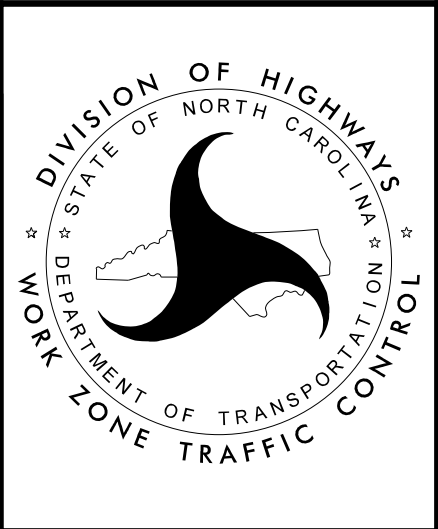


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DATE: 6/20/2025



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TRANSPORTATION OPERATIONS PLAN

GENERAL NOTES
CONT.

TRAFFIC BARRIER

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

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

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

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

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

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

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

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

TRAFFIC CONTROL DEVICES

- Z) 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 RADII, 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.

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

- BB) PLACE ADDITIONAL SETS OF THREE CHANNELIZING DEVICES (DRUMS) PERPENDICULAR TO THE EDGE OF TRAVELWAY ON 500 FT CENTERS WHEN UNOPENED LANES ARE CLOSED TO TRAFFIC.

PAVEMENT MARKINGS AND MARKERS

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

ROAD NAME	MARKING	MARKER
I-40	PAINT	TEMPORARY RAISED
CLEMMONSVILLE RD & THOMASVILLE RD	PAINT	NONE

- DD) 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.

- EE) TIE PROPOSED PAVEMENT MARKING LINES TO EXISTING PAVEMENT MARKING LINES.

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

- GG) TRACE THE EXISTING AND PROPOSED MONOLITHIC ISLAND LOCATIONS WITH PROPER COLOR PAVEMENT MARKINGS PRIOR TO REMOVAL AND INSTALLATION. PLACE DRUMS TO DELINEATE ANY EXISTING AND PROPOSED MONOLITHIC ISLANDS AFTER REMOVAL AND BEFORE INSTALLATION.

MISCELLANEOUS

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

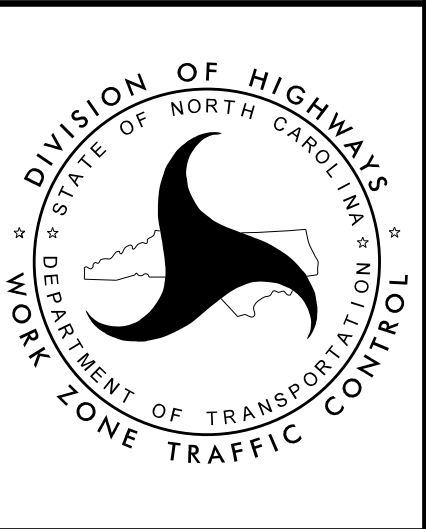
- II) ALL CURB RAMP LOCATIONS SHALL BE DERIVED FROM STATIONING SHOWN ON PAVEMENT MARKING PLANS OR AS DIRECTED BY THE ENGINEER IN COORDINATION WITH THE SIGNING AND DELINEATION UNIT.

- JJ) CONTRACTOR SHALL MAINTAIN SIDEWALK ACCESS AT ALL TIMES 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.).

LOCAL NOTES

- 1) EMERGENCY VEHICLE ACCESS MUST BE MAINTAINED AT ALL TIMES.

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TRANSPORTATION
OPERATIONS
PLAN

PROJ. REFERENCE NO.	SHEET NO.
I - 5880	TMP - 1D

SHORING LOCATION NOS. 1, 2, 3, AND 4:

THE FOLLOWING SHORING RECOMMENDATIONS ARE FOR TEMPORARY SHORING LOCATIONS AS INDICATED BELOW:

- 1) TEMPORARY SHORING LOCATION NO. 1 FROM STATION -L- 38+05, 51’ RT, TO STATION -L- 38+20, 51’ RT
- 2) TEMPORARY SHORING LOCATION NO. 2 FROM STATION -L- 39+90, 51’ RT, TO STATION -L- 40+05, 51’ RT
- 3) TEMPORARY SHORING LOCATION NO. 3 FROM STATION -L- 38+60, 51’ LT, TO STATION -L- 38+75, 51’ LT
- 4) TEMPORARY SHORING LOCATION NO. 4 FROM STATION -L- 40+50, 51’ LT, TO STATION -L- 40+65, 51’ LT

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 LOCATION NOS. 1, 2, 3 AND 4, FOR THE FOLLOWING ASSUMED SOIL PARAMETERS AND GROUNDWATER ELEVATION:

UNIT WEIGHT (γ) = 115 PCF
FRICTION ANGLE (ϕ) = 29 DEGREES
COHESION (c) = 0 PSF
GROUNDWATER ELEVATION = N/A FT

LIMITED SUBSURFACE INFORMATION IS AVAILABLE IN THE VICINITY OF TEMPORARY SHORING LOCATION NOS. 1, 2, 3 AND 4. THE INFORMATION PROVIDED FOR TEMPORARY SHORING DESIGN WAS ASSUMED AND MAY NOT BE APPLICABLE TO THE ACTUAL SITE CONDITIONS ENCOUNTERED DURING CONSTRUCTION.

AT THE CONTRACTOR*S OPTION, USE STANDARD TEMPORARY SHORING FOR TEMPORARY SHORING LOCATION NOS. 1, 2, 3 AND 4. SEE GEOTECHNICAL STANDARD DETAIL NO. 1801.01 FOR STANDARD TEMPORARY SHORING.

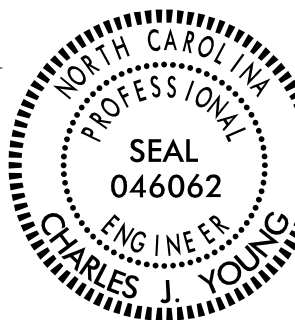
IT MAY BE PREFERRED TO USE A TEMPORARY SOIL NAIL WALL FOR TEMPORARY SHORING LOCATION NOS. 1, 2, 3 AND 4. FOR TEMPORARY SOIL NAIL WALLS, SEE TEMPORARY SOIL NAIL WALLS PROVISION.

THE TEMPORARY SHORING NOTES SHOWN ON THIS SHEET WERE PROVIDED THROUGH A SEALED DOCUMENT FROM THE GEOTECHNICAL ENGINEERING ENGINEER. THE DOCUMENT WAS SUBMITTED TO JMT ON (JANUARY 27, 2025) AND SEALED BY A PROFESSIONAL ENGINEER, (MICHAEL H. STEPHENS), LICENSE # 28893. SEE STANDARD TEMPORARY SHORING SHEET (2G-1 IN ROADWAY PLANS).

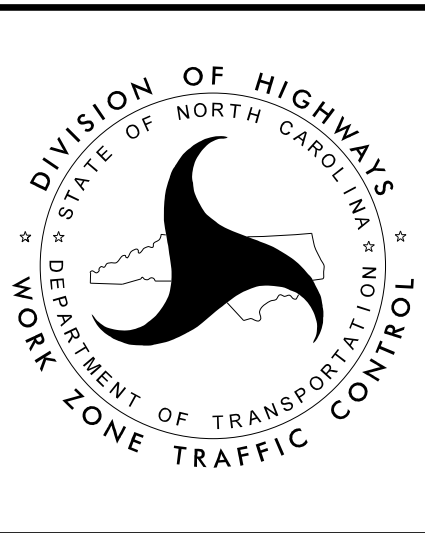
JMT Johnson, Mirmiran, & Thompson Inc.
4700 Falls of Neuse Rd, Suite 100,
Raleigh, NC, 27606
License No. C-3097

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DATE: 6/10/2025



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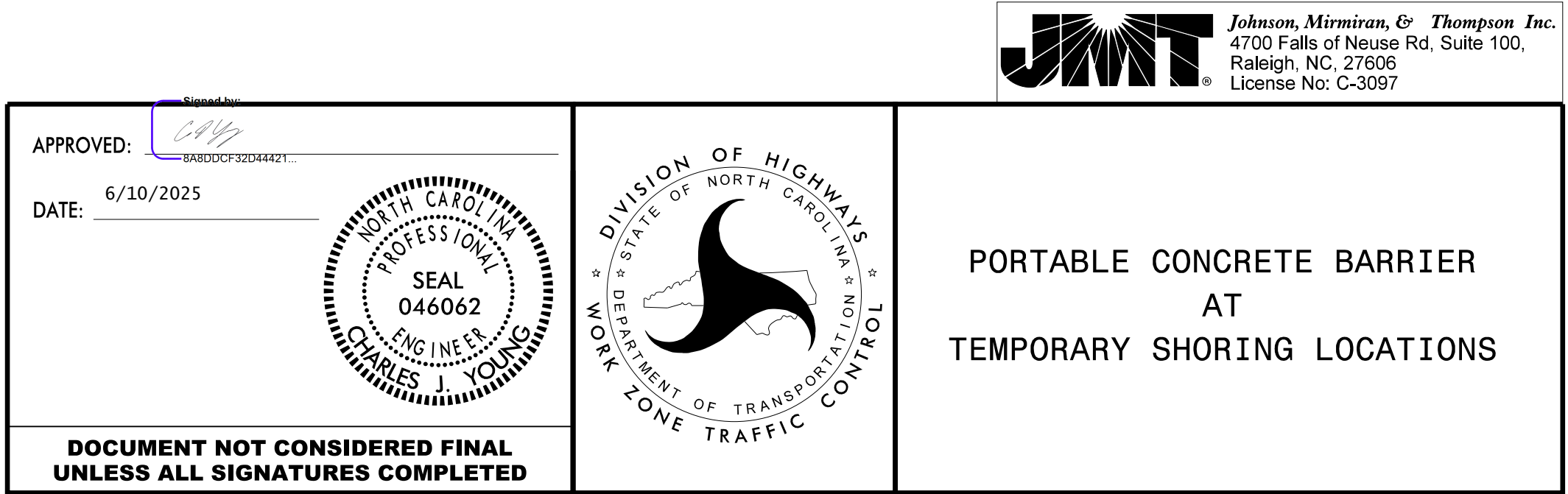


TEMPORARY SHORING NOTES



- 1- REFER TO THE TRAFFIC CONTROL PLANS FOR TEMPORARY SHORING LOCATIONS AND NOTES.
- 2- REFER TO THE "TEMPORARY SHORING" STANDARD PROVISION FOR INFORMATION ABOUT TEMPORARY SHORING AND PORTABLE CONCRETE BARRIER (PCB).
- 3- PCB IS REQUIRED IF TEMPORARY SHORING/WALL 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 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/WALLS 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- 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 OR APPROVED BY THE ENGINEER.
- 8- 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 THIS MINIMUM REQUIRED DISTANCE IS NOT AVAILABLE, CONTACT THE ENGINEER.
- 9- TABLE SHOWN IN FIGURE B IS BASED ON NCDOT RESEARCH PROJECT NO. 2005-010 WITH VEHICLE TYPE USED FOR NCHRP 350 CRASH TESTS.

*** See Figure Below**



PROJ. REFERENCE NO.	SHEET NO.
I-5880	TMP-2

SIGN NUMBER: SP-1

TYPE: D

QUANTITY: SEE PLANS

SIGN WIDTH: 4'-6"

HEIGHT: 1'-6"

TOTAL AREA: 6.8 Sq.Ft.

BORDER TYPE: INSET

RECESS: 0.47"

WIDTH: 0.63"

RADII: 1.5"

NO. Z BARS:

LENGTH:

BACKG COLOR: Fluorescent Orange

COPY COLOR: Black

SYMBOL	X	Y	WID	HT

MAT'L: 0.125" (3.2 mm) ALUMINUM

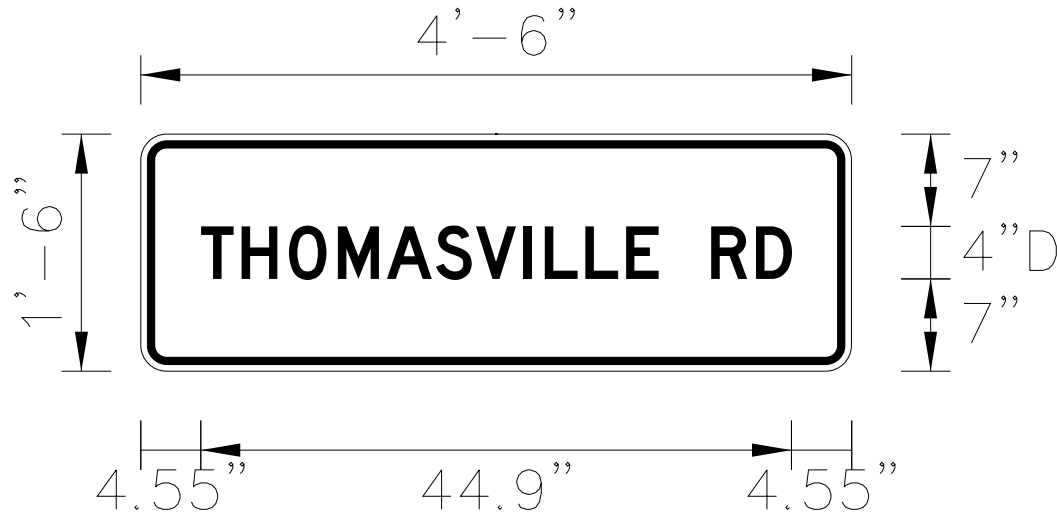
DESIGN BY: DAF

CHECKED BY: CJY

PROJECT ID: I-5880

Apr 01, 2024

DIV: 9



BORDER
R=1.5"
TH=0.63"
IN=0.47"

Spacing Factor is 1 unless specified otherwise

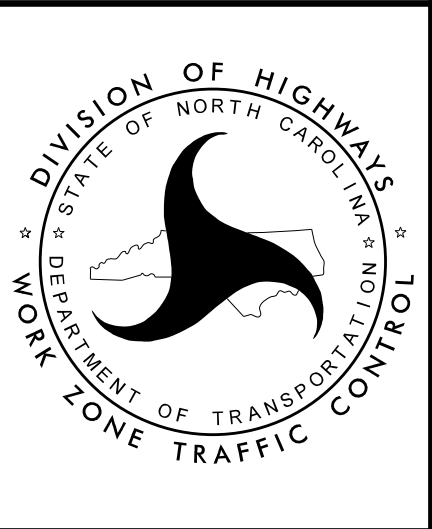
LETTER POSITIONS

Letter locations are panel edge to lower left corner																												Series/Size
	T	H	O	M	A	S	V	I	L	L	E		R	D														Text Length
	4.6	7.6	11.2	15	18.7	22.4	25.4	29.1	30.7	33.8	36.8	39.3	43.3	46.7														D 2000 44.9

NORTH CAROLINA D.O.T. SIGN DETAIL

Signed by:
APPROVED: 6/10/2025

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SPECIAL SIGN DESIGN

Apr 01, 2024
DIV: 9

[illegible]

BORDER TYPE: INSET
RECESS: 0.47"
WIDTH: 0.63"
RADII: 1.5"

NO. Z BARS: MAT'L: 0.125" (3.2 mm) ALUMINUM
LENGTH:

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.

BORDER
R=1.5"
TH=0.63"
IN=0.47"

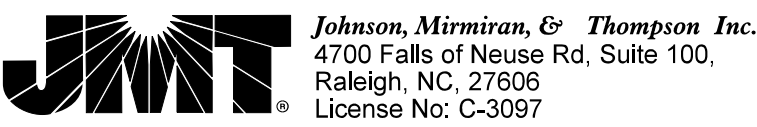


Spacing Factor is 1 unless specified otherwise

LETTER POSITIONS

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NORTH CAROLINA D.O.T. SIGN DETAIL

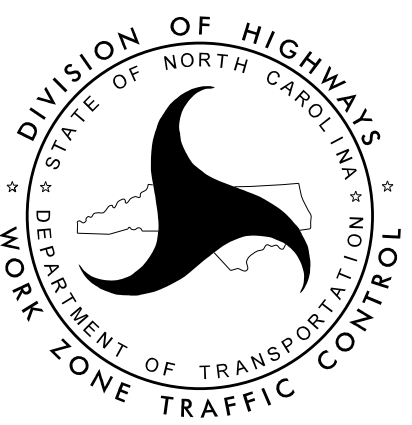


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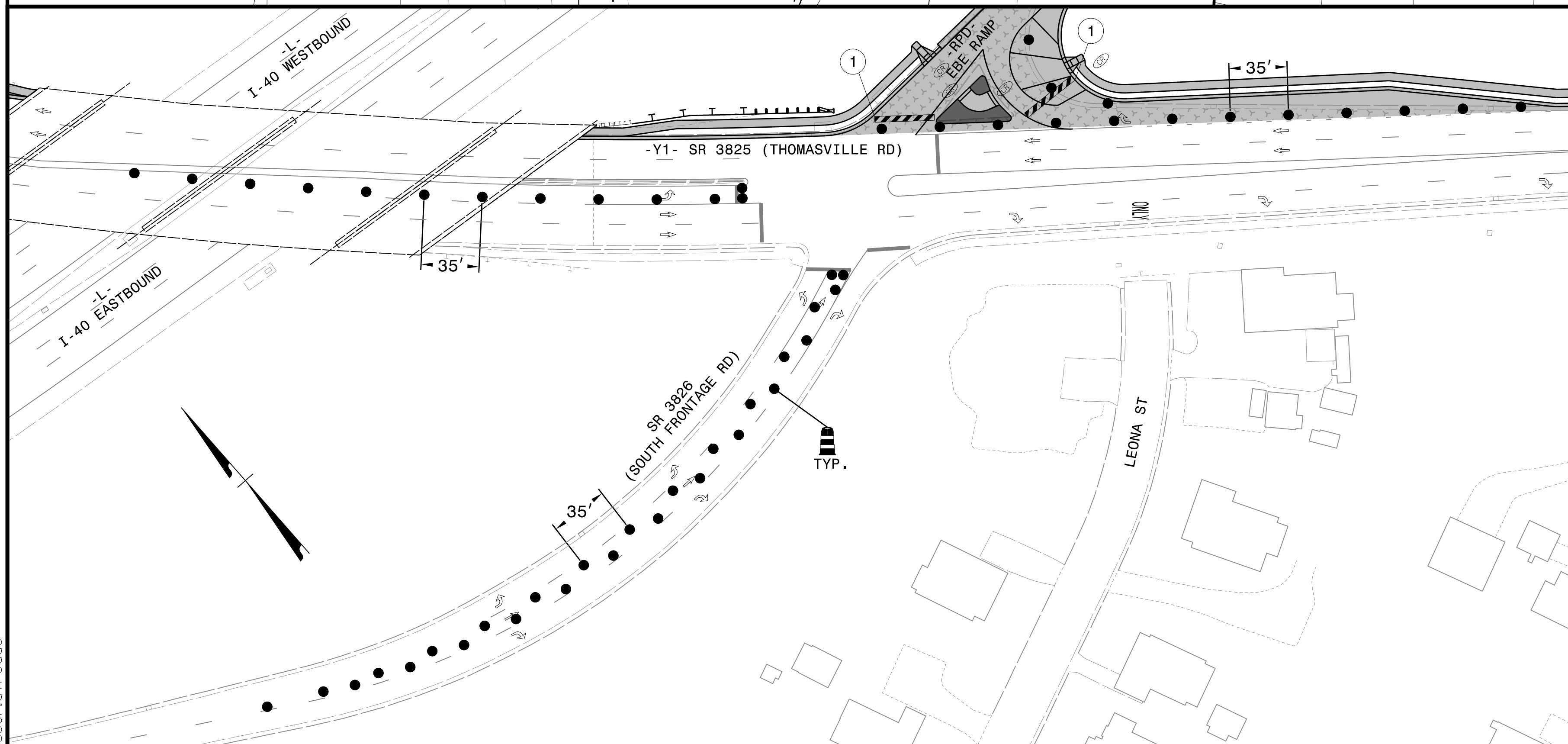
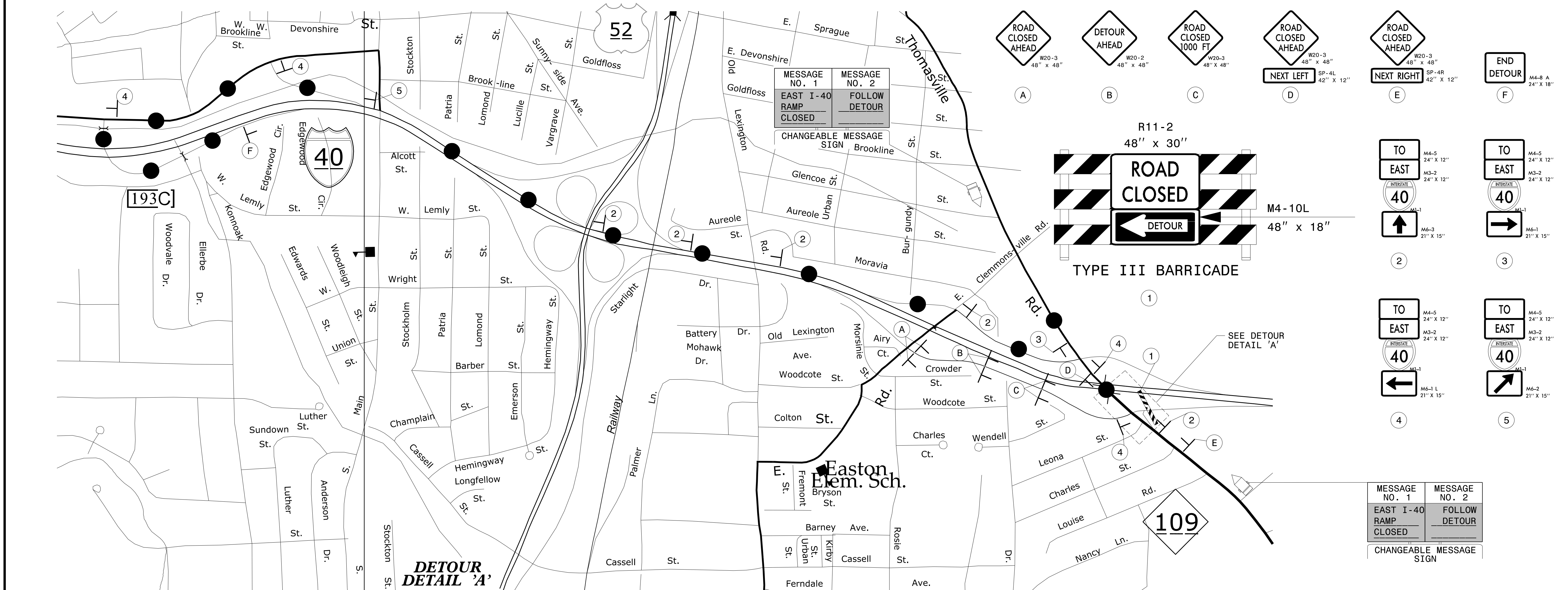
DATE: 6/10/2025 _____

NORTH CAROLINA
PROFESSIONAL
SEAL
046062
ENGINEER
CHARLES J. YOUNG

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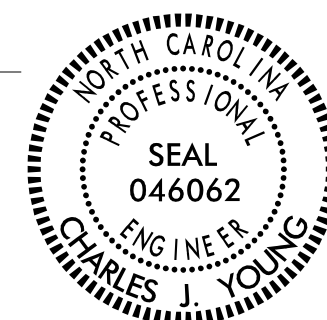
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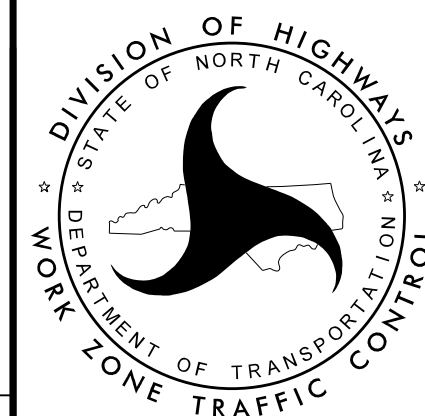
NOTE: PLACE CHANGEABLE MESSAGE SIGNS AT A HALF-MILE FROM THE -RPD- CLOSURE.

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DATE: 6/10/2025

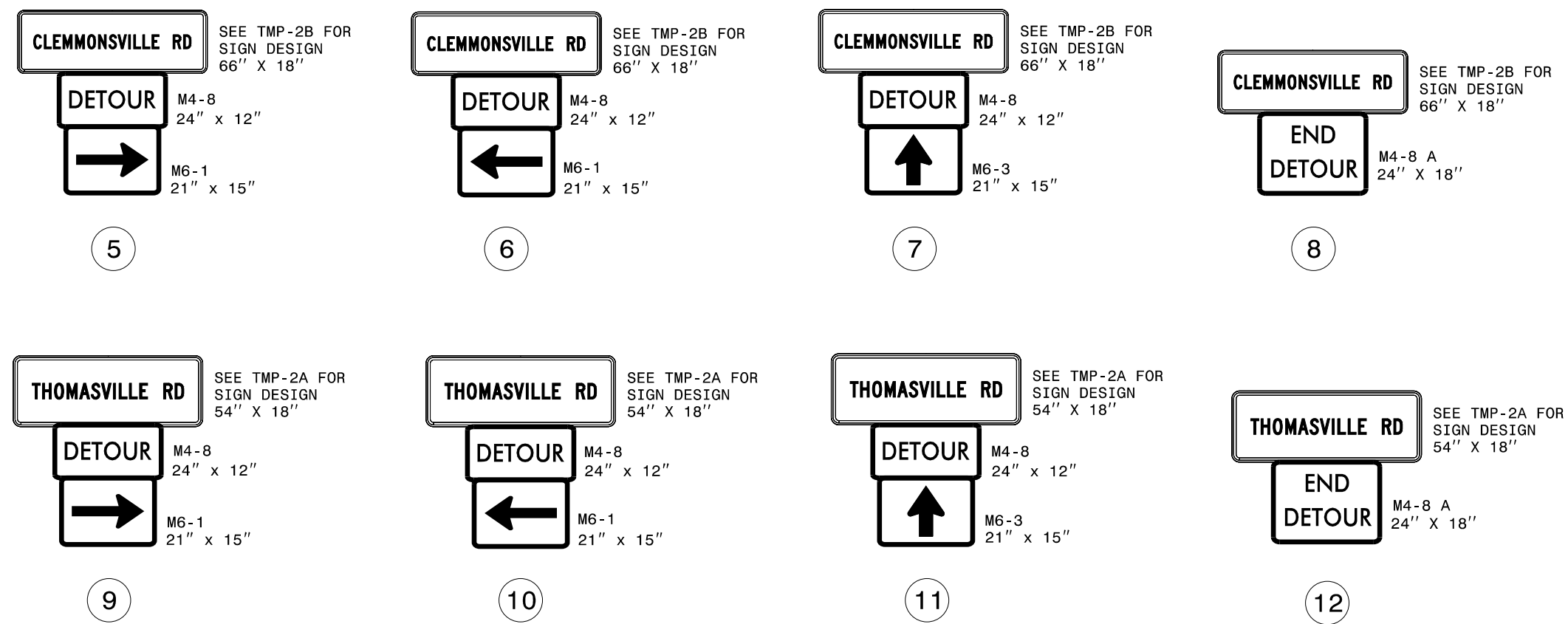
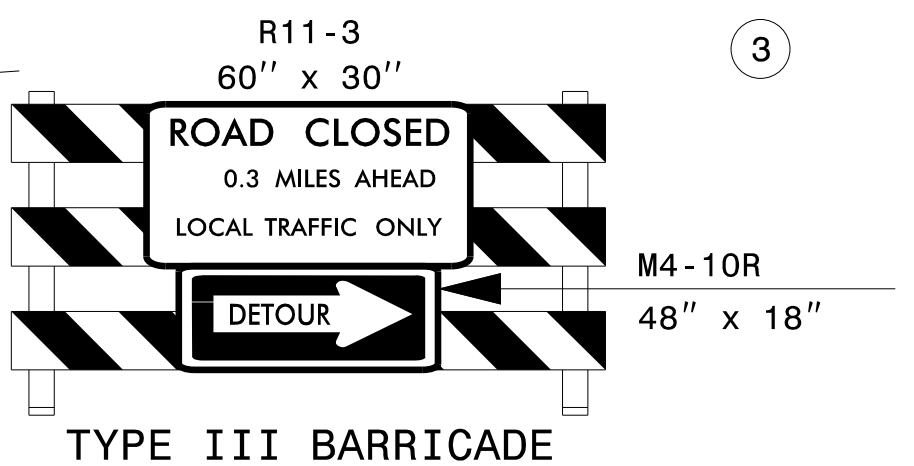
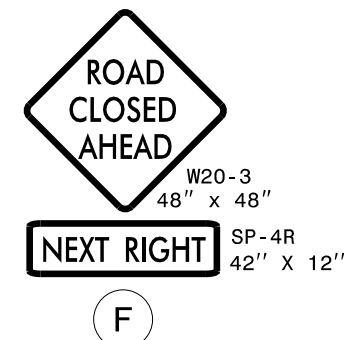
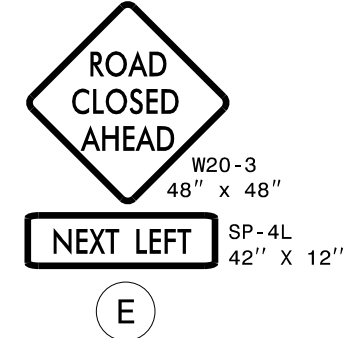
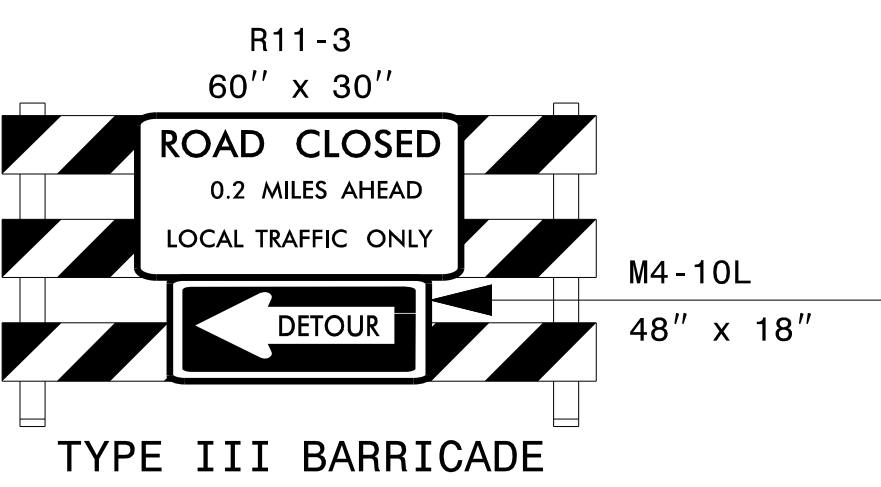
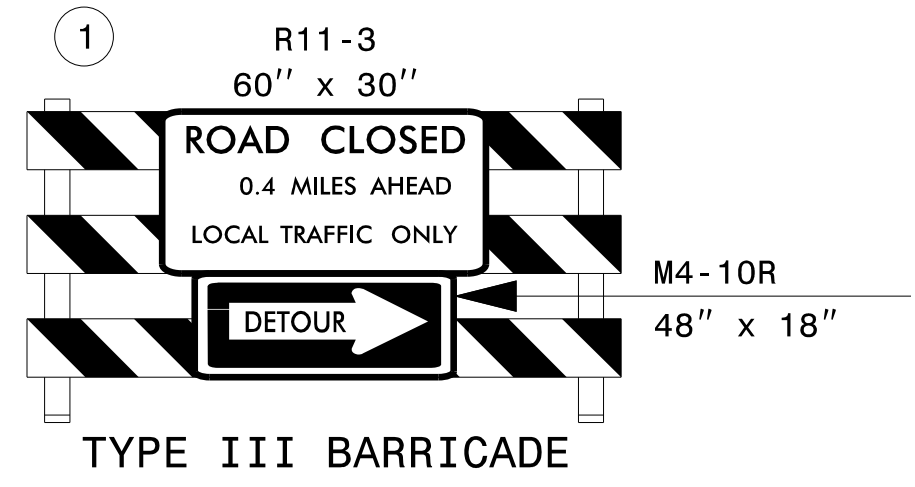
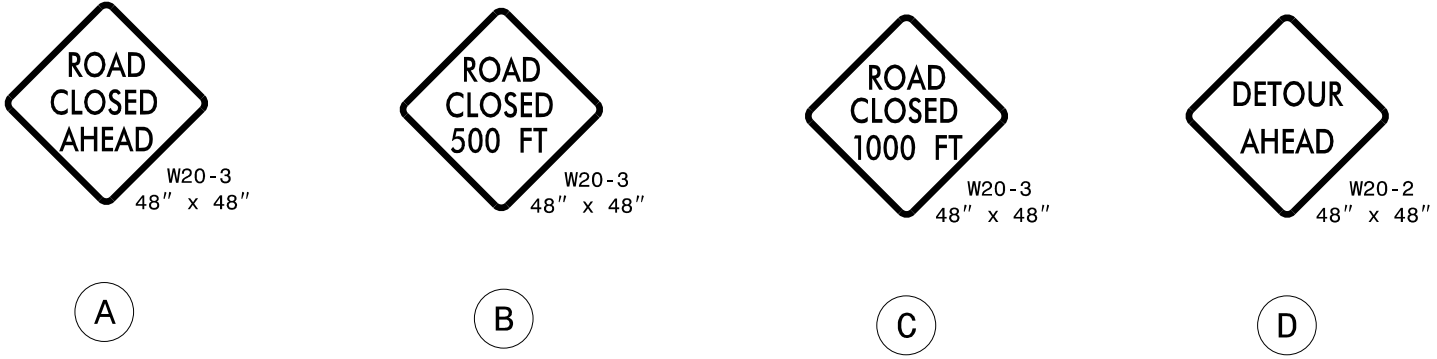
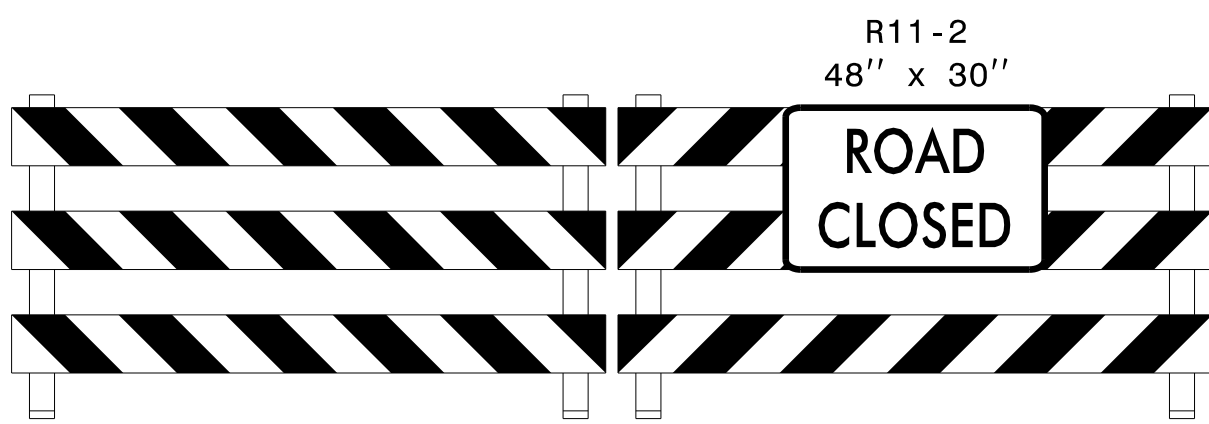
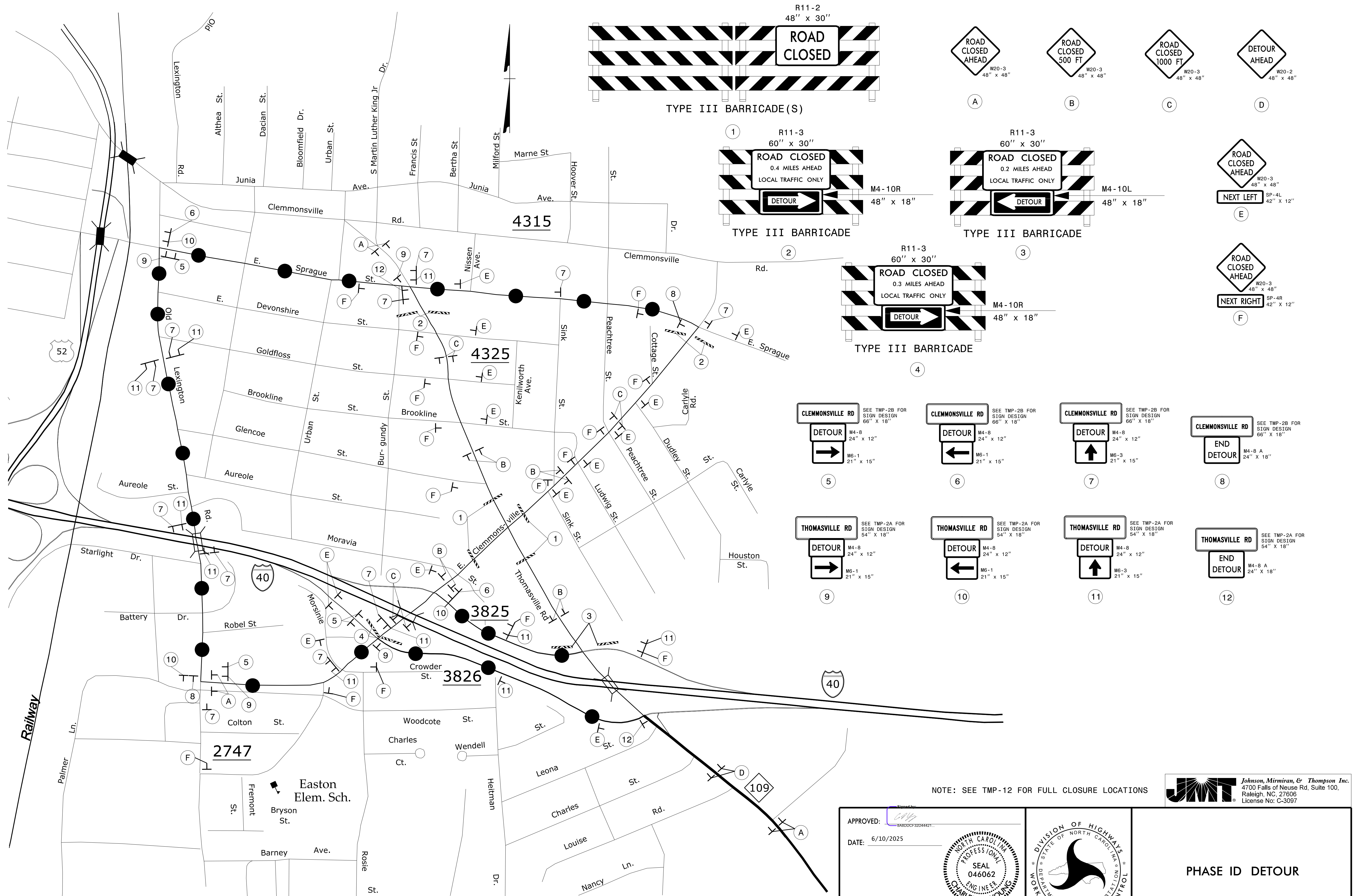


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PHASE I DETOUR

PROJ. REFERENCE NO.	SHEET NO.
I - 5880	TMP - 2C



NOTE: SEE TMP-12 FOR FULL CLOSURE LOCATIONS

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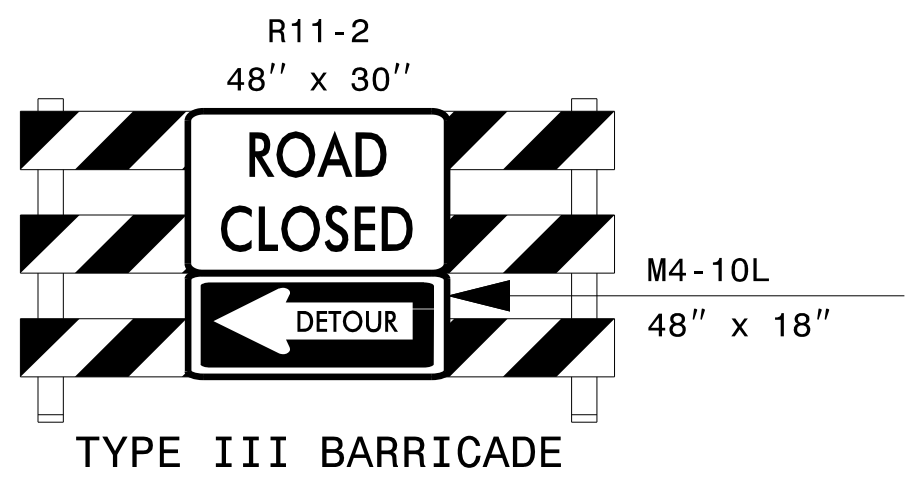
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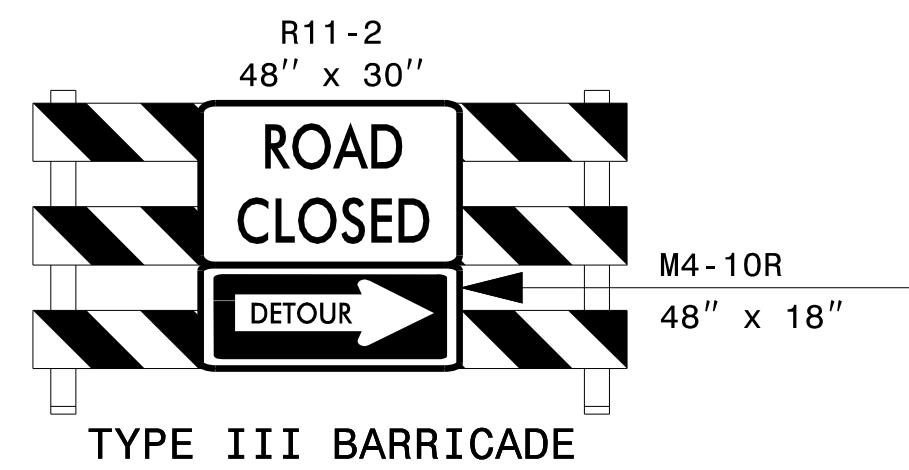
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PHASE ID DETOUR

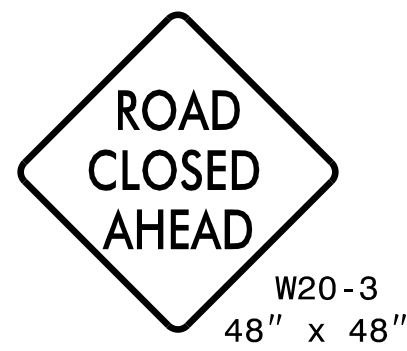
PROJ. REFERENCE NO.	SHEET NO.
I - 5880	TMP - 2D



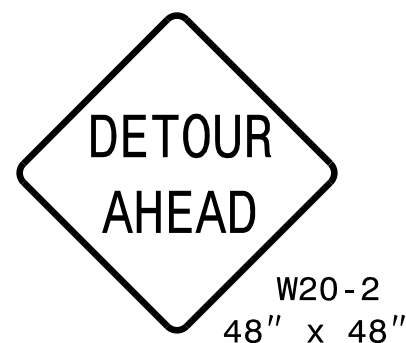
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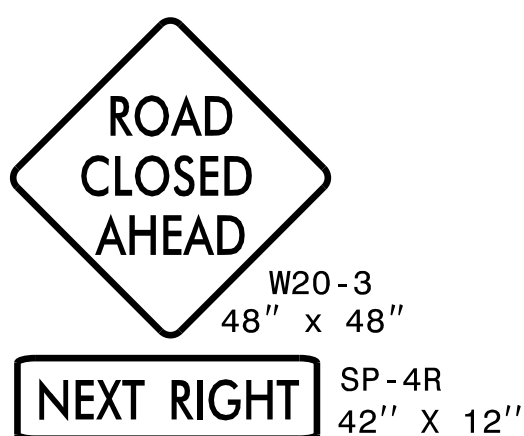
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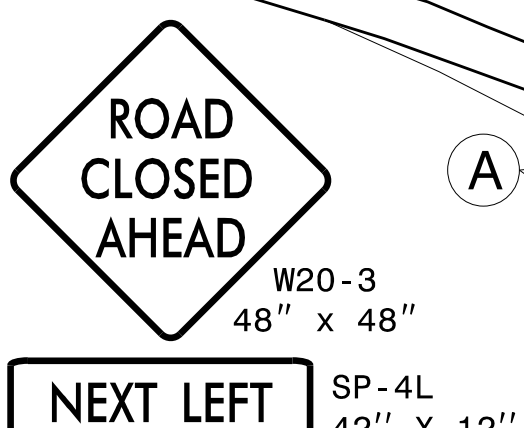
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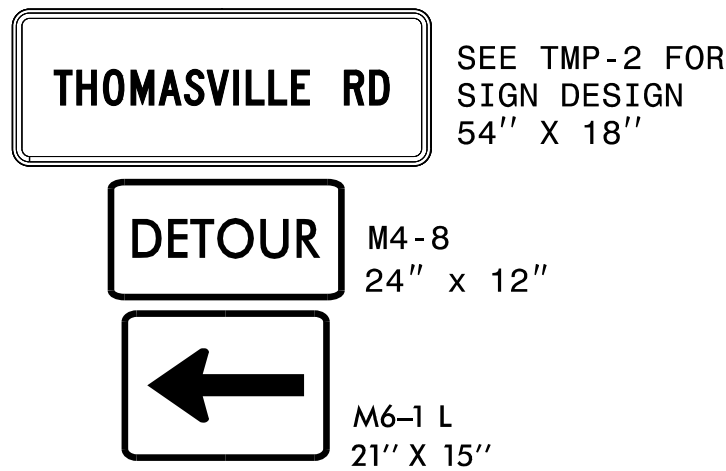
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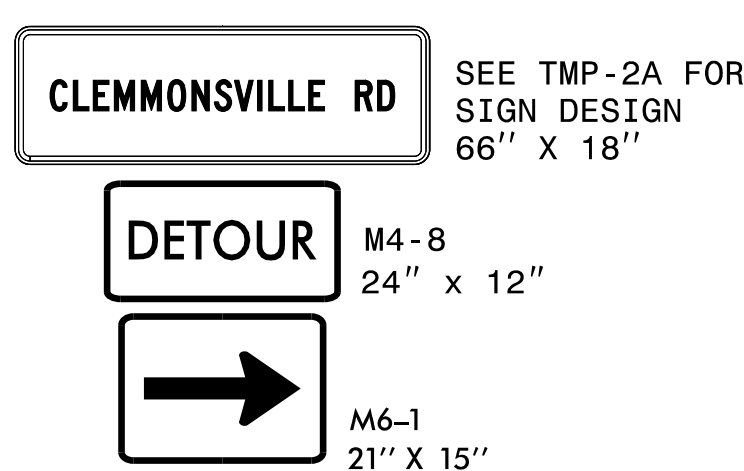
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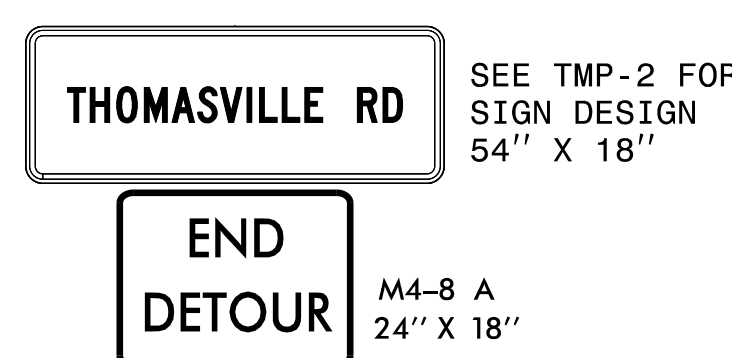
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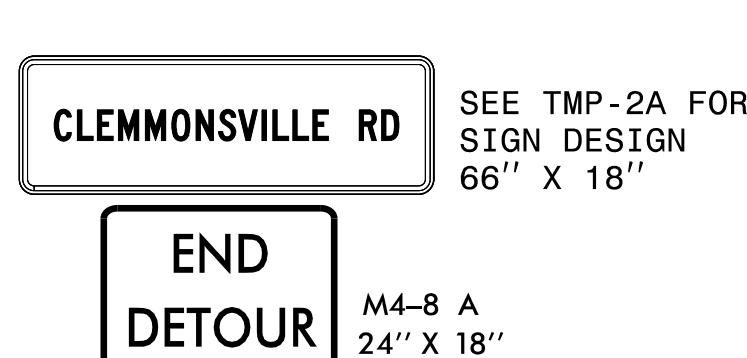
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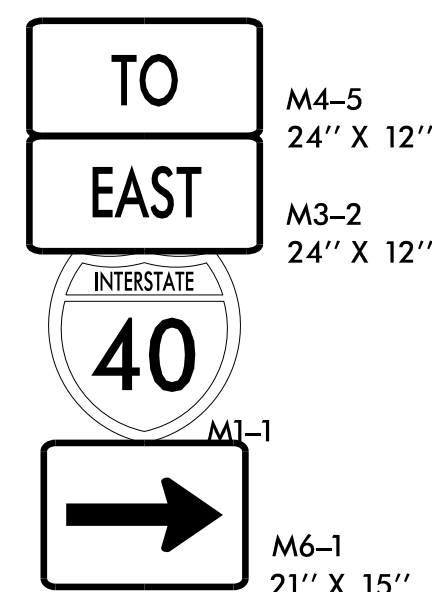
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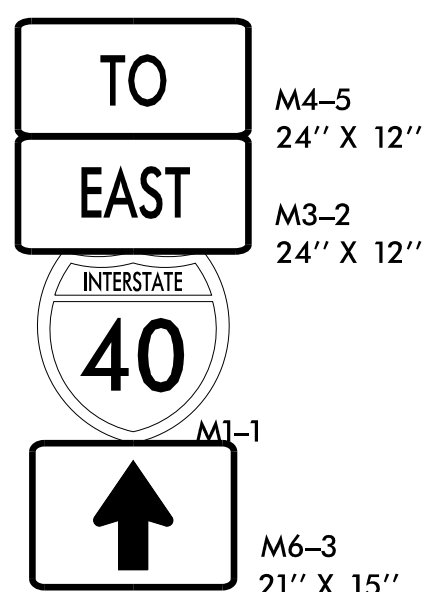
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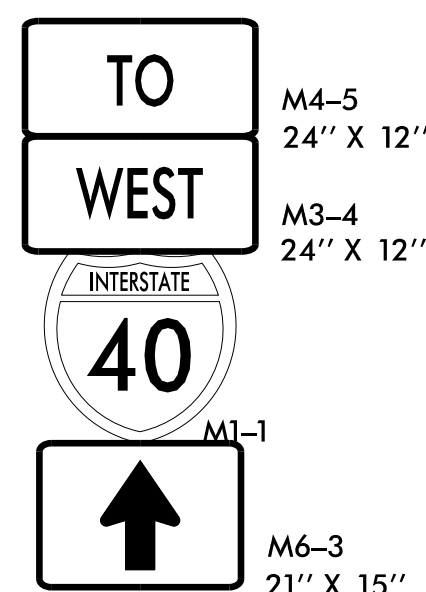
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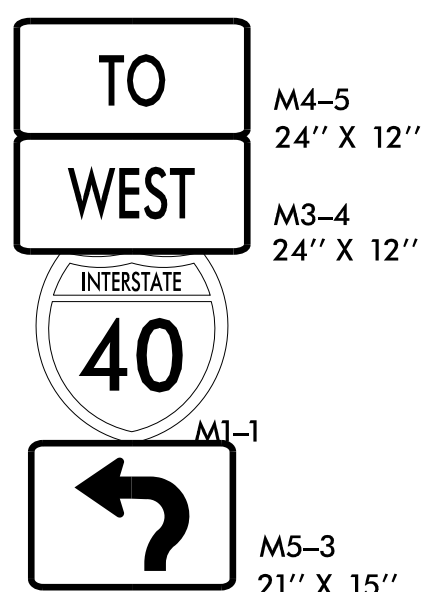
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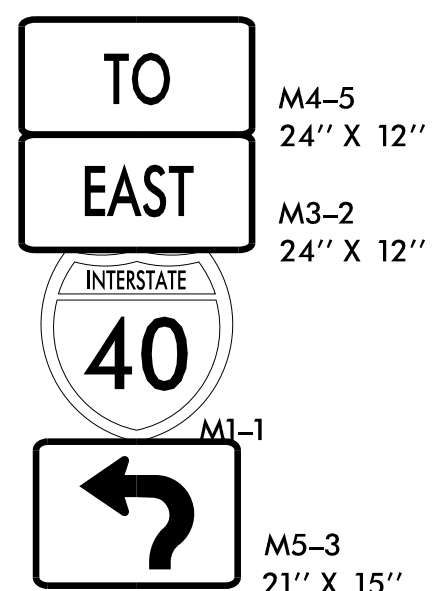
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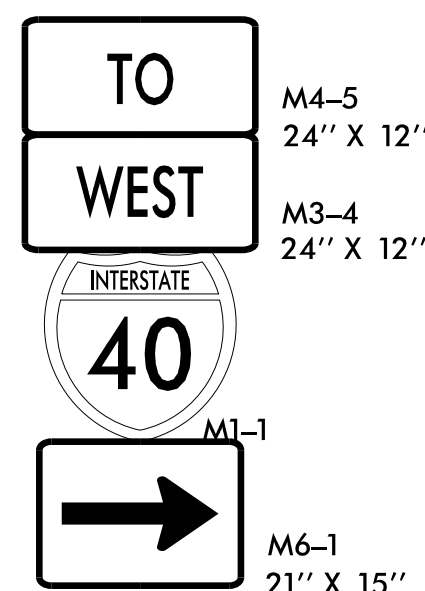
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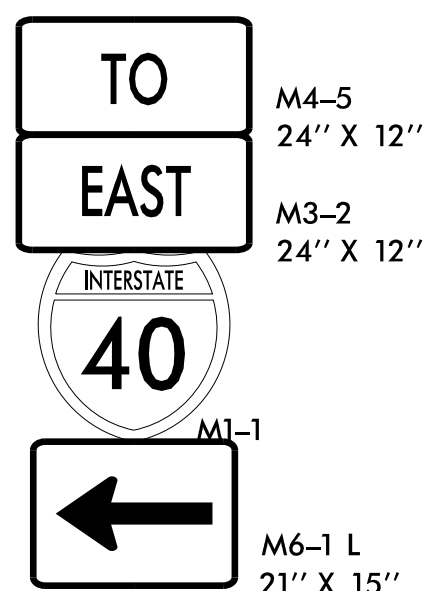
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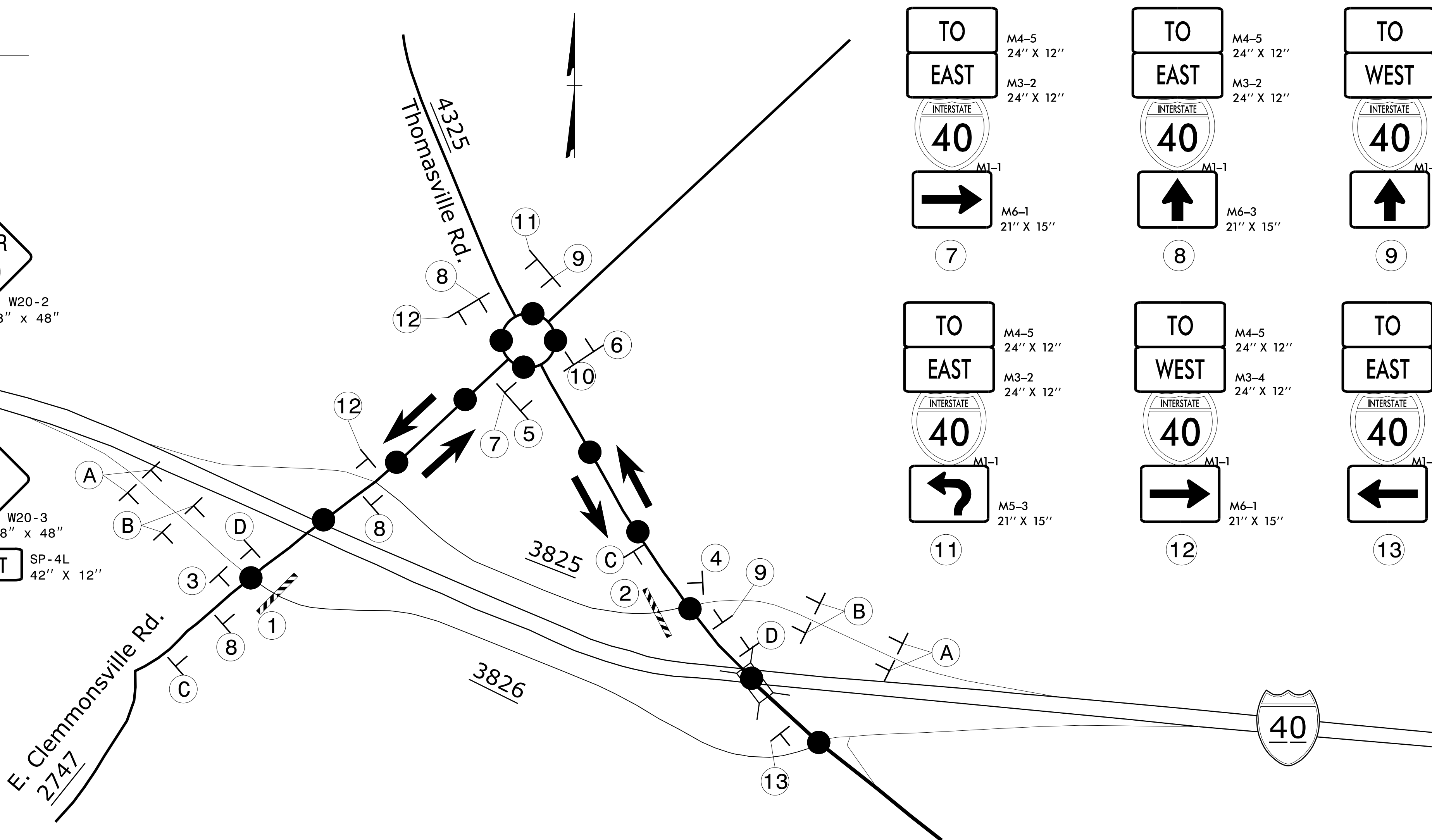
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13

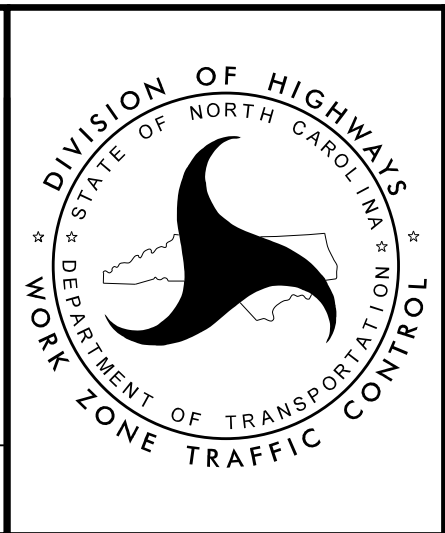


Signed by:

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DATE:

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PHASE II DETOUR

PHASING

PROJ. REFERENCE NO.	SHEET NO.
I - 5880	TMP - 3

PHASE I

- STEP 1:

-

ERECT WORK ZONE ADVANCED WARNING SIGNS USING DETAIL DRAWINGS FOR WORK ZONE SIGNS USING ROADWAY STANDARD DRAWING NO. 1101.01, SHEETS 1 AND 3 OF 3.
- STEP 2:

-

USING RSD NO. 1101.02, SHEETS 1 AND 4 OF 9, AND FLAGGERS AS NECESSARY, COMPLETE THE FOLLOWING IN A CONTINUOUS OPERATION:
- REMOVE, AS NECESSARY, EXISTING PAVEMENT MARKINGS, PLACE TEMPORARY MARKINGS (PAINT), PLACE TRAFFIC CONTROL DEVICES AND CHANNELZING DEVICES, AND SHIFT TRAFFIC TO NEW PATTERN (SEE SHEETS TMP-4 THRU TMP-8).
- NOTE:

STEPS 3 THRU 5 CAN BE COMPLETED IN A SIMULTANEOUS OPERATION.
- STEP 3:

-

AWAY FROM TRAFFIC, REMOVE EXISTING PAVEMENT WHERE APPLICABLE, SAWCUT AND REMOVE A PORTION OF THE EXISTING BRIDGE, AND CONSTRUCT PROPOSED BRIDGE WIDENING (SEE SHEETS TMP-4, TMP-5, AND STRUCTURE PLANS).
- STEP 4:

-

USING RSD NO. 1101.02, SHEETS 1 AND 7 OF 19, AND FLAGGERS AS NECESSARY, REMOVE EXISTING PAVEMENT WHERE APPLICABLE, AND CONSTRUCT THE FOLLOWING UP TO, BUT NOT INCLUDING THE FINAL LAYER OF SURFACE COURSE, WEDGING ABOVE THE EXISTING PAVEMENT AS NEEDED.
- PROPOSED ROADWAY, AND SIDEWALKS FROM INTERSECTION OF -Y1- AND -Y2- TO -Y2- STA. 19+49 +/- (RT) (SEE SHEET TMP-7).
- PROPOSED ROADWAY, AND SIDEWALKS FROM INTERSECTION OF -Y1- AND -Y2- TO -Y1- STA. 35+40 +/- (LT) (SEE SHEETS TMP-6 THRU TMP-8).
- PROPOSED ROADWAY, AND SIDEWALKS FROM -RPA- STA. 10+00 +/- TO INTERSECTION OF -RPA- AND -Y1- (SEE SHEET TMP-6).
- STEP 5:

-

USING NIGHTLY RAMP CLOSURES AS NECESSARY, CONSTRUCT THE FOLLOWING UP TO, BUT NOT INCLUDING THE FINAL LAYER OF SURFACE COURSE, WEDGING ABOVE THE EXISTING PAVEMENT AS NEEDED. (SEE SHEET TMP-2B FOR RAMP DETOUR)
- -RPD- STA. 18+50 +/- TO INTERSECTION OF -RPD- AND -Y1- (SEE SHEETS TMP-6 AND TMP-8).
- TEMPORARY PAVEMENT FROM -RPD- STA. 9+97 +/- TO -RPD- STA. 13+86 +/- (LT), AND FROM -RPD- STA. 18+18 +/- TO -RPD- STA. 19+37 +/-; PROPOSED ROADWAY FROM -RPD- STA. 11+34 +/- TO -RPD- STA. 18+50 +/- (LT) (SEE SHEETS TMP-6 AND TMP-8).

PHASE IA

- NOTE:

BRIDGE WORK SHOWN IN PHASE 1, STEP 3 CAN BE CARRIED OVER INTO THIS PHASE.
- STEP 1:

-

USING RSD 1101.02, SHEET 1 OF 19, AND FLAGGERS AS NECESSARY, COMPLETE THE FOLLOWING IN A CONTINUOUS OPERATION:
- REMOVE, AS NECESSARY, EXISTING PAVEMENT MARKINGS, PLACE TEMPORARY PAVEMENT MARKINGS (PAINT), SET TEMPORARY SIGNALS, AND PLACE TRAFFIC CONTROL DEVICES (SEE SHEET TMP-9 AND SIGNAL PLANS).
- ACTIVATE TEMPORARY SIGNALS AND SHIFT TRAFFIC TO NEW PATTERN (SEE SHEET TMP-9).
- STEP 2:

-

PLACE TEMPORARY CURB RAMPS, AND TEMPORARY CROSS WALKS (PAINT) (SEE SHEET TMP-9).
- CLOSE SIDEWALK AND SHIFT PEDESTRIANS TO NEW PATTERN (SEE SHEET TMP-9).
- STEP 3:

-

USING RSD NO. 1101.02, SHEET 1 OF 19, AND FLAGGERS AS NECESSARY, REMOVE EXISTING PAVEMENT WHERE APPLICABLE, AND CONSTRUCT THE FOLLOWING UP TO, BUT NOT INCLUDING THE FINAL LAYER OF SURFACE COURSE, WEDGING ABOVE THE EXISTING PAVEMENT AS NEEDED.
- PROPOSED ROADWAY, AND SIDEWALKS FROM -Y1- STA. 6+15 +/- TO INTERSECTION OF -Y1- AND -Y2- (LT) (SEE SHEET TMP-9).
- PROPOSED ROADWAY, AND SIDEWALKS FROM INTERSECTION OF -Y1- AND -Y2- TO -Y2- STA. 19+56 +/- (LT) (SEE SHEET TMP-9).

PHASE IB

- NOTE:

BRIDGE WORK SHOWN IN PHASE 1, STEP 3 CAN BE CARRIED OVER INTO THIS PHASE.
- STEP 1:

-

USING RSD 1101.02, SHEET 1 OF 19, AND FLAGGERS AS NECESSARY, COMPLETE THE FOLLOWING IN A CONTINUOUS OPERATION:
- REMOVE, AS NECESSARY, EXISTING PAVEMENT MARKINGS, PLACE TEMPORARY PAVEMENT MARKINGS (PAINT), RESET TEMPORARY SIGNALS, AND PLACE TRAFFIC CONTROL DEVICES (SEE SHEET TMP-10 AND SIGNAL PLANS).
- ACTIVATE TEMPORARY SIGNALS AND SHIFT TRAFFIC TO NEW PATTERN (SEE SHEET TMP-10).
- STEP 2:

-

PLACE TEMPORARY CURB RAMPS, AND TEMPORARY CROSS WALKS (PAINT) (SEE SHEET TMP-10).
- CLOSE SIDEWALK AND SHIFT PEDESTRIANS TO NEW PATTERN (SEE SHEET TMP-10).
- STEP 3:

-

USING RSD NO. 1101.02, SHEET 1 OF 19, AND FLAGGERS AS NECESSARY, REMOVE EXISTING PAVEMENT WHERE APPLICABLE, AND CONSTRUCT THE FOLLOWING UP TO, BUT NOT INCLUDING THE FINAL LAYER OF SURFACE COURSE, WEDGING ABOVE THE EXISTING PAVEMENT AS NEEDED.
- PROPOSED ROADWAY, AND SIDEWALKS FROM -Y1- STA. 6+15 +/- TO INTERSECTION OF -Y1- AND -Y2- (RT) (SEE SHEET TMP-10).
- PROPOSED ROADWAY, AND SIDEWALKS FROM -Y2- STA. 11+00 +/- TO INTERSECTION OF -Y1- AND -Y2- (LT) (SEE SHEET TMP-10).

PHASE IC

- NOTE:

BRIDGE WORK SHOWN IN PHASE 1, STEP 3 CAN BE CARRIED OVER INTO THIS PHASE.
- STEP 1:

-

USING RSD 1101.02, SHEET 1 OF 19, AND FLAGGERS AS NECESSARY, COMPLETE THE FOLLOWING IN A CONTINUOUS OPERATION:
- REMOVE, AS NECESSARY, EXISTING PAVEMENT MARKINGS, PLACE TEMPORARY PAVEMENT MARKINGS (PAINT), RESET TEMPORARY SIGNALS, AND PLACE TRAFFIC CONTROL DEVICES (SEE SHEET TMP-11 AND SIGNAL PLANS).
- ACTIVATE TEMPORARY SIGNALS AND SHIFT TRAFFIC TO NEW PATTERN (SEE SHEET TMP-11).
- STEP 2:

-

PLACE TEMPORARY CURB RAMPS, AND TEMPORARY CROSS WALKS (PAINT) (SEE SHEET TMP-11).
- CLOSE SIDEWALK AND SHIFT PEDESTRIANS TO NEW PATTERN (SEE SHEET TMP-11).
- STEP 3:

-

USING RSD NO. 1101.02, SHEET 1 OF 19, AND FLAGGERS AS NECESSARY, REMOVE EXISTING PAVEMENT WHERE APPLICABLE, AND CONSTRUCT THE FOLLOWING UP TO, BUT NOT INCLUDING THE FINAL LAYER OF SURFACE COURSE, WEDGING ABOVE THE EXISTING PAVEMENT AS NEEDED.
- PROPOSED ROADWAY, AND SIDEWALKS FROM -Y2- STA. 11+00 +/- TO INTERSECTION OF -Y1- AND -Y2- (RT) (SEE SHEET TMP-11).
- PROPOSED ROADWAY, AND SIDEWALKS FROM INTERSECTION OF -Y1- AND -Y2- TO -Y1- STA. 19+00 +/- (RT) (SEE SHEET TMP-11).

PHASE ID

- NOTE:

BRIDGE WORK SHOWN IN PHASE 1, STEP 3 CAN BE CARRIED OVER INTO THIS PHASE.
- NOTE:

IN ORDER TO MAINTAIN PEDESTRIAN ACCESS THROUGH INTERSECTION AT ALL TIMES, DON'T CLOSE MORE THAN ONE CROSSWALK AT ANY GIVEN TIME.
- COMPLETE THE WORK OF PHASE ID, IN 21 CONSECUTIVE CALENDAR DAYS. SEE INTERMEDIATE CONTRACT TIME AND LIQUIDATED DAMAGES.
- STEP 1:

-

USING RSD 1101.03, SHEET 1 OF 9, AND FLAGGERS AS NECESSARY, INSTALL OFF-SITE DETOUR AND CLOSE INTERSECTION OF -Y1- (THOMASVILLE RD.) AND -Y2- (CLEMMONSVILLE RD.) FROM -Y1- STA. 7+30 +/- TO -Y1- STA. 11+30 +/- AND FROM -Y2- STA. 13+70 +/- TO -Y2- STA. 18+30 +/- TO ALL TRAFFIC (SEE SHEETS TMP-2C AND TMP-12).

PHASE ID CONT.

- STEP 2:

-

USING RSD 1101.02, SHEETS 1 OF 19, AND FLAGGERS AS NECESSARY, REMOVE EXISTING PAVEMENT WHERE APPLICABLE, AND CONSTRUCT THE FOLLOWING UP TO BUT NOT INCLUDING THE FINAL LAYER OF SURFACE COURSE, WEDGING ABOVE EXISTING PAVEMENT AS NEEDED.
- PROPOSED ROADWAY, SPLITTER ISLANDS, AND ROUNDABOUT FROM -Y1- STA. 7+39 +/- TO -Y1- STA. 11+00 +/- AND -Y2- STA. 12+25 +/- TO -Y2- STA. 18+11 +/- (SEE SHEET TMP-12).
- STEP 3:

-

INSTALL TEMPORARY PAVEMENT MARKINGS AND ALL NECESSARY SIGNAGE, REMOVE DETOUR, AND OPEN ROUNDABOUT TO THROUGH TRAFFIC (SEE PMP AND SIGNING PLANS).
- PHASE II
- STEP 1:

-

USING RSD NO. 1101.02, SHEET 4 OF 19, AND NIGHTLY LANE CLOSURES, SAWCUT PAVEMENT ALONG -L- (I-40) THAT IS TO BE REMOVED IN STEP 4 OF PHASE II, AND STEP 2 OF PHASE III (SEE SHEETS TMP-14, TMP-15, AND TMP-20).
- STEP 2:

-

USING RSD NO. 1101.02, SHEETS 1 AND 4 OF 19, AND FLAGGERS AS NECESSARY, COMPLETE THE FOLLOWING IN A CONTINUOUS OPERATION:
- REMOVE, AS NECESSARY, EXISTING PAVEMENT MARKINGS, PLACE TEMPORARY MARKINGS (PAINT), SET TEMPORARY SIGNALS, PLACE TRAFFIC CONTROL DEVICES AND CHANNELIZING DEVICES, PLACE ALL NECESSARY PROPOSED SIGNS, AND SHIFT TRAFFIC TO NEW PATTERN (SEE SHEETS TMP-13 THRU TMP-18, SIGNING PLANS, AND SIGNAL PLANS).
- PLACE TEMPORARY CURB RAMPS, AND TEMPORARY CROSSWALKS (PAINT) (SEE SHEETS TMP-17 AND TMP-18).
- CLOSE SIDEWALK AND SHIFT PEDESTRIANS TO NEW PATTERN (SEE SHEETS TMP-17 AND TMP-18).
- STEP 3:

-

USING RSD 1101.03, SHEET 2 OF 9, AND FLAGGERS AS NECESSARY, INSTALL OFF-SITE DETOUR AND CLOSE SR 3825 (NORTH FRONTAGE ROAD) AND SR 3826 (SOUTH FRONTAGE ROAD) TO ALL TRAFFIC (SEE SHEETS TMP-2D, AND TMP-14 THRU TMP-16).
- NOTE:

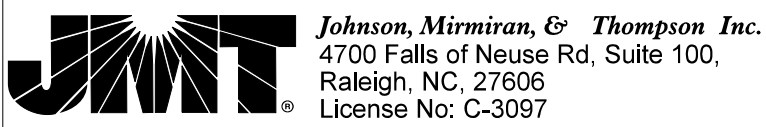
STEPS 4 AND 5 CAN BE COMPLETED IN A SIMULTANEOUS OPERATION.
- STEP 4:

-

AWAY FROM TRAFFIC, REMOVE EXISTING PAVEMENT, AND CONSTRUCT THE PROPOSED WIDENING FROM -L- STA. 35+85 +/- TO -L- STA. 50+75 +/- (RT) AND -L- STA. 35+00 +/- TO -L- STA. 50+75 +/- (LT) (SEE SHEETS TMP-14 AND TMP-15).
- STEP 5:

-

USING RSD 1101.02, SHEETS 1 AND 7 OF 19, AND FLAGGERS AS NECESSARY, REMOVE EXISTING PAVEMENT WHERE APPLICABLE, AND CONSTRUCT THE FOLLOWING UP TO, BUT NOT INCLUDING THE FINAL LAYER OF SURFACE COURSE, WEDGING ABOVE EXISTING PAVEMENT AS NEEDED.
- PROPOSED ROADWAY, ISLANDS AND SIDEWALKS ON -RPB- AND -RPC- (SEE SHEETS TMP-15 AND TMP-16).
- PROPOSED CURBING, AND SIDEWALKS FROM -Y2A- STA. 11+22 +/- TO -Y2A- STA. 12+45 +/- (RT) AND FROM -Y2A- STA. 18+10 +/- TO -Y2A- STA. 19+12 +/- (RT) (SEE SHEETS TMP-14 AND TMP-15).
- PROPOSED ROADWAY FROM -RPD- STA. 11+34 +/- TO -RPD- STA. 18+50 +/- (RT) (SEE SHEET TMP-18).
- PROPOSED ROADWAY, AND SIDEWALKS FROM -Y1- STA. 19+00 +/- TO -Y1- STA. 35+39 +/- (RT) (SEE SHEETS TMP-16 THRU TMP-18).



Signed by: APPROVED: 6/10/2025 6A8D9CF32D44421... SEAL 046062 ENGINEER CHARLES J. JOHNSON DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED	DIVISION OF HIGHWAYS STATE OF NORTH CAROLINA DEPARTMENT OF TRANSPORTATION WORK ZONE TRAFFIC CONTROL	TEMPORARY TRAFFIC CONTROL PHASING
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PHASING

PROJ. REFERENCE NO.	SHEET NO.
I - 5880	TMP - 3A

PHASE III

- STEP 1:

-

USING RSD 1101.02, SHEETS 1 AND 4 OF 19, AND FLAGGERS AS NECESSARY, COMPLETE THE FOLLOWING IN A CONTINUOUS OPERATION:
- REMOVE, AS NECESSARY, EXISTING PAVEMENT MARKINGS, PLACE TEMPORARY PAVEMENT MARKINGS (PAINT), SET TEMPORARY SIGNALS, PLACE TRAFFIC CONTROL DEVICES AND CHANNELIZING DEVICES, PLACE ALL NECESSARY PROPOSED SIGNS, SHIFT TRAFFIC TO NEW PATTERN, AND REMOVE OFF-SITE DETOUR PLACED IN PHASE II, STEP 3 (SEE SHEETS TMP-19 THRU TMP-24, SIGNING PLANS, AND SIGNAL PLANS).
- NOTE:

STEPS 2, 6, AND 7 CAN BE COMPLETED IN A SIMULTANEOUS OPERATION
- STEP 2:

-

AWAY FROM TRAFFIC, REMOVE EXISTING PAVEMENT, AND CONSTRUCT THE PROPOSED WIDENING FROM -L- STA. 27+75 +/- TO -L- STA. 35+85 +/- (RT) AND -L- STA. 27+75 +/- TO -L- STA. 35+00 +/- (LT) (SEE SHEET TMP-20).
- USING RSD NO. 1101.02, SHEET 3 OF 19, AND FLAGGERS AS NECESSARY, REMOVE EXISTING PAVEMENT WHERE APPLICABLE, AND CONSTRUCT THE PROPOSED CURBING FROM -Y2A- STA. 10+76 +/- TO -Y2A- STA. 12+15 +/- (LT) AND FROM -Y2A- 17+49 +/- TO -Y2A- STA. 18+64 +/- (LT) (SEE SHEETS TMP-20 AND TMP-21).
- STEP 3:

-

USING RSD NO. 1101.02, SHEETS 4 AND 16 OF 19 COMPLETE THE FOLLOWING IN A CONTINUOUS OPERATION:
- REMOVE, AS NECESSARY, EXISTING PAVEMENT MARKINGS, PLACE TEMPORARY PAVEMENT MARKINGS (PAINT) AND MARKERS (TEMPORARY RAISED) ON -L- (I-40), REMOVE ALL TEMPORARY TRAFFIC CONTROL DEVICES AND CHANNELIZING DEVICES ALONG -L- (I-40), AND PLACE TRAFFIC IN ITS FINAL TRAFFIC PATTERN (SEE PMP PLANS).
- STEP 4:

-

USING RSD NO. 1101.02, SHEETS 4 AND 8 OF 19, AT NIGHT PERFORM THE FOLLOWING:
- PPC OVERLAY BRIDGE REHAB ON -L- (I-40) (SEE STRUCTURE PLANS).
- MILL AND OVERLAY FROM -L- STA. 40 +21 +/- TO -L- STA. 50+75 +/-
- STEP 5:

-

PLACE FINAL PAVEMENT MARKINGS AND MARKERS ON -L- (I-40) (SEE PMP PLANS).
- STEP 6:

-

AWAY FROM TRAFFIC REMOVE TEMPORARY PAVEMENT FROM -RPD- STA. 9+97 +/- TO -RPD- STA. 13+86 +/- (LT) (SEE SHEET TMP-24).
- AWAY FROM TRAFFIC, REMOVE EXISTING PAVEMENT WHERE APPLICABLE, AND CONSTRUCT PROPOSED CURBING FROM -RPD- STA. 18+15 +/- TO -RPD- STA. 19+39 +/- (LT) (SEE SHEETS TMP-22 AND TMP-24).
- STEP 7:

-

USING RSD NO. 1101.02, SHEET 7 OF 19, AND FLAGGERS AS NECESSARY, REMOVE EXISTING SPLITTER ISLANDS WHERE APPLICABLE, AND CONSTRUCT THE FOLLOWING:
- PROPOSED SPLITTER ISLANDS FROM -Y1- STA. 17+83 +/- TO -Y1- STA. 22+12 +/-; -Y1- STA. 23+22 +/- TO -Y1- STA. 29+29 +/-; AND -Y1- STA. 30+40 +/- TO -Y1- STA. 34+72 +/- (SEE SHEETS TMP-22 THRU TMP-24).
- PROPOSED PAVEMENT FROM -Y2- STA. 11+05 +/- TO -Y2- STA. 11+74 +/-, AND FROM -Y2- STA. 18+33 +/- TO -Y2- STA. 18+86 +/- (SEE SHEETS TMP-20 AND TMP-21).

PHASE IV

- STEP 1:

-

USING ROADWAY STANDARD DRAWINGS NO. 1101.02, SHEETS 1, 3, 7, AND 18 OF 19, AND FLAGGERS AS NECESSARY, PERFORM THE FOLLOWING:
- MILL & OVERLAY FROM -Y2A- STA. 10+75 +/- TO -Y2A- STA. 19+50 +/-.
- PLACE FINAL LAYER OF SURFACE COURSE THROUGHOUT THE REMAINDER OF THE PROJECT.
- STEP 2:

-

USING ROADWAY STANDARD DRAWINGS NO. 1101.02, SHEET 14 OF 19, PLACE FINAL PAVEMENT MARKINGS AND MARKERS THROUGHOUT THE PROJECT (SEE PMP PLANS).
- STEP 3:

-

PLACE ANY PROPOSED SIGNS NOT YET PLACED THROUGHOUT THE PROJECT (SEE SIGNAGE PLANS).
- STEP 4:

-

USING FLAGGERS AS NECESSARY, REMOVE ALL TEMPORARY TRAFFIC CONTROL DEVICES, AND PLACE TRAFFIC IN ITS FINAL TRAFFIC PATTERN.

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DATE: 6/10/2025



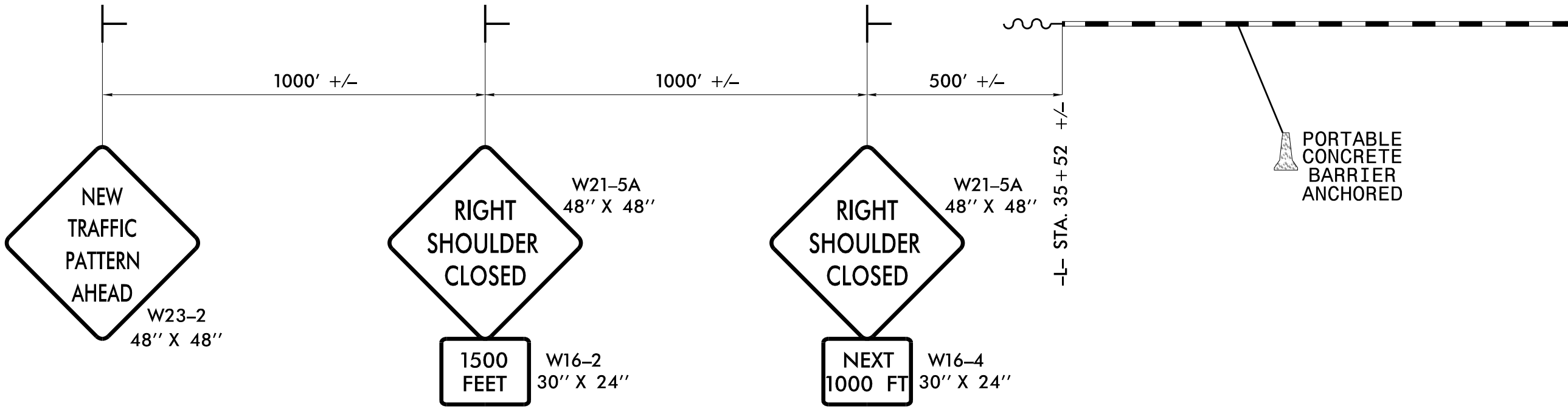
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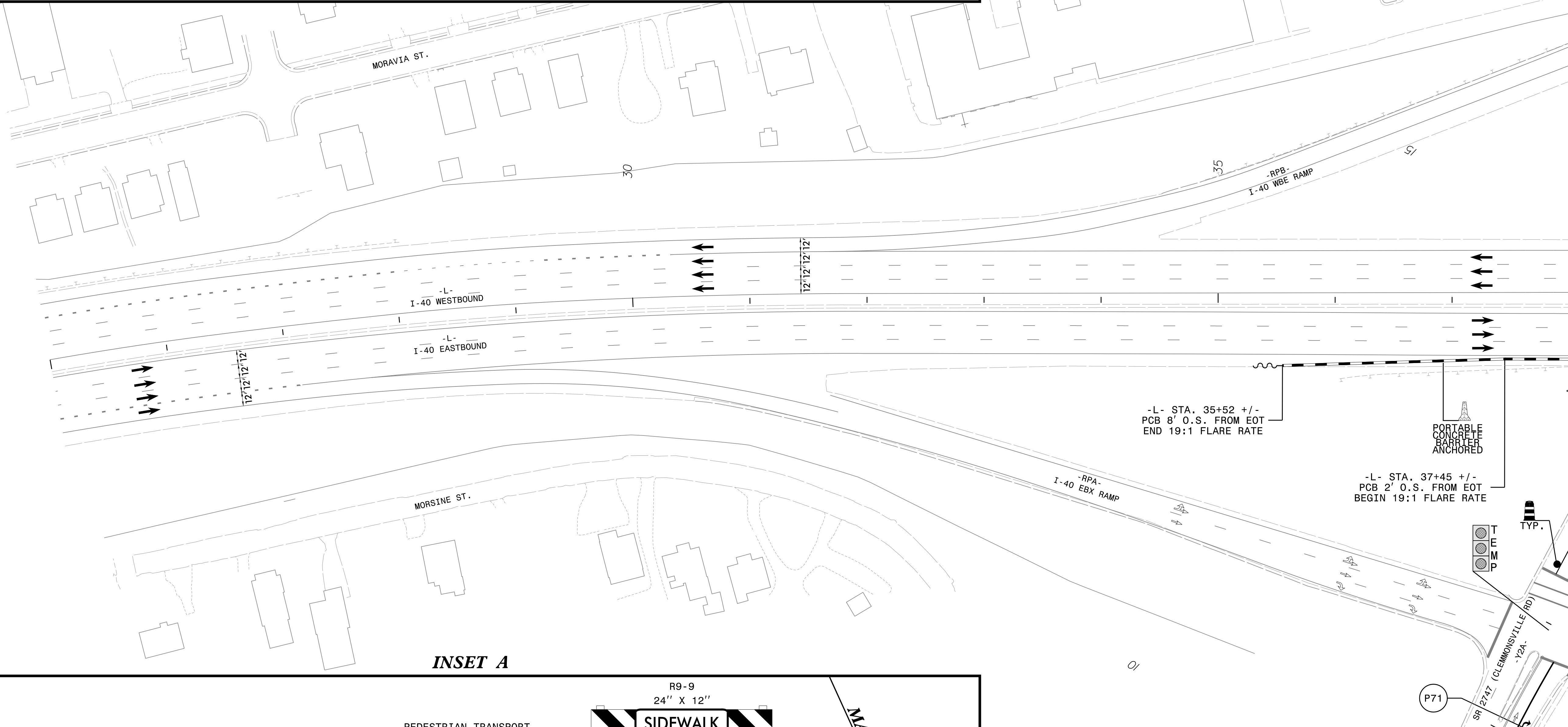
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CONTROL PHASING**

SEE RSD 1101.04 FOR ADDITIONAL NOTES

DETAIL A

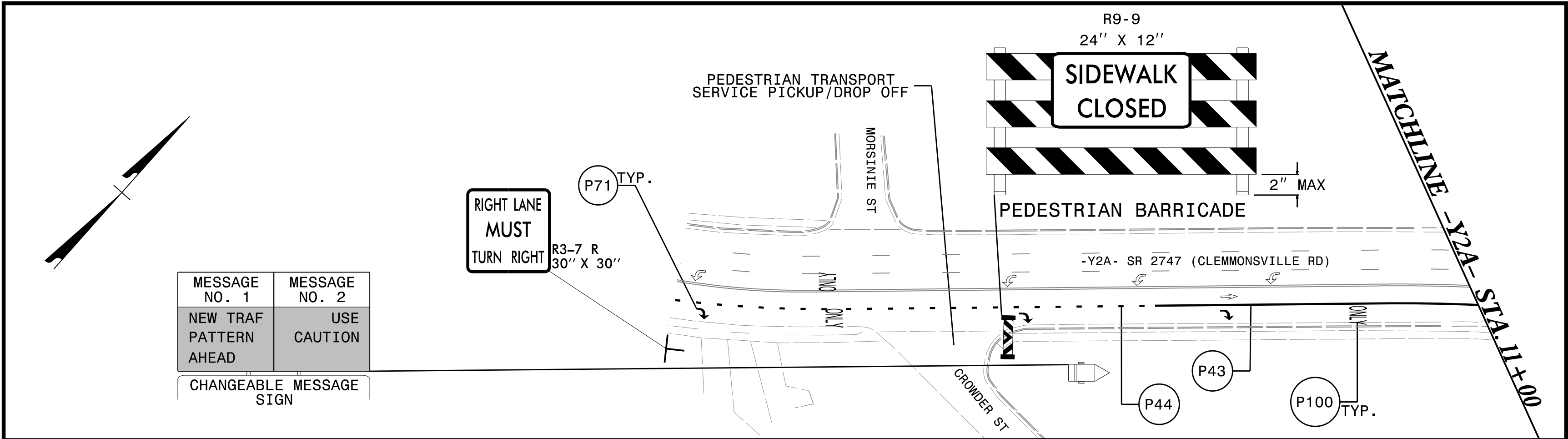


PROJ. REFERENCE NO.	SHEET NO.
I-5880	TMP-4



MATCHLINE -L- STA. 38+00.00 (SEE TMP-5)

INSET A



MATCHLINE -Y2A- STA. 11+00 (SEE INSET A)

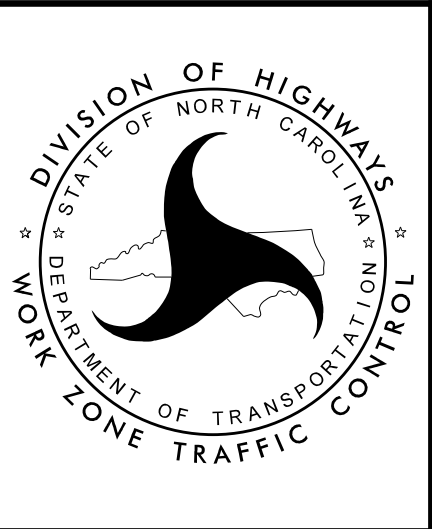


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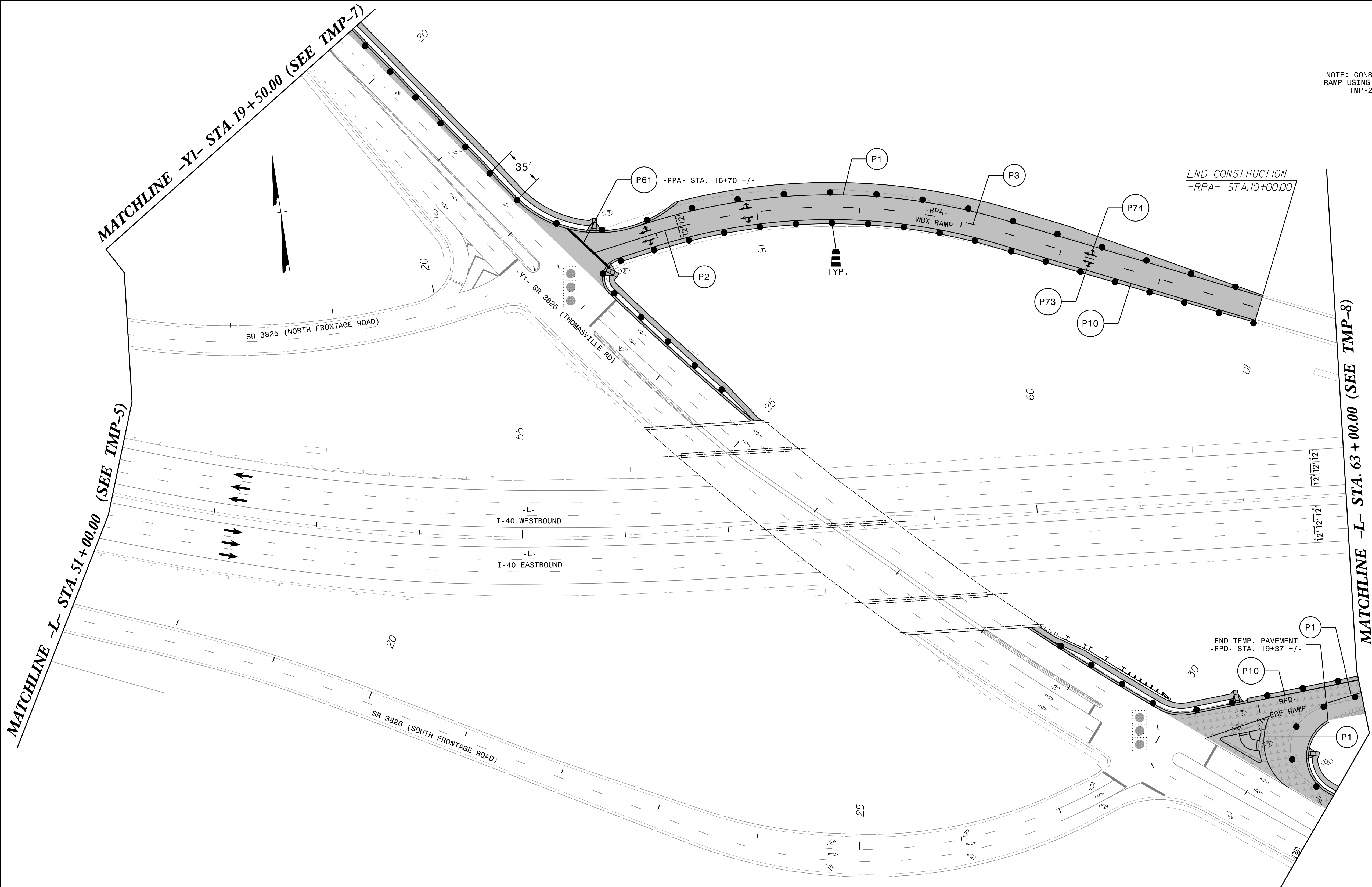


PHASE I

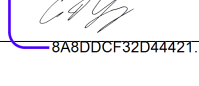


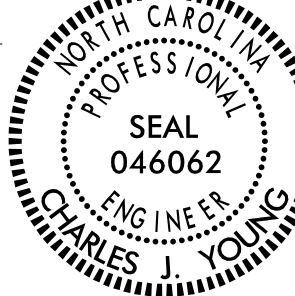
PROJ. REFERENCE NO.	SHEET NO.
I-5880	TMP-6

NOTE: CONSTRUCT WEDGING ON -RPD- EBE RAMP USING NIGHTLY LANE CLOSURES, SEE TMP-2B FOR DETOUR DETAILS.

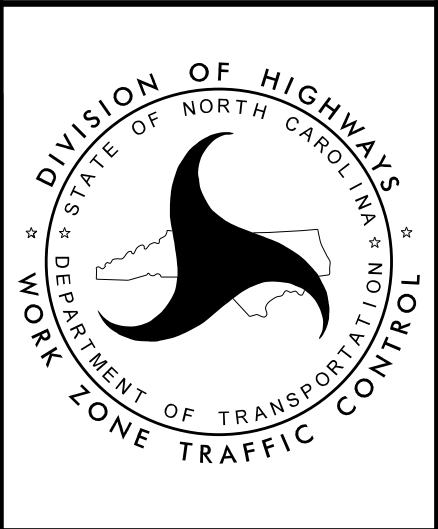


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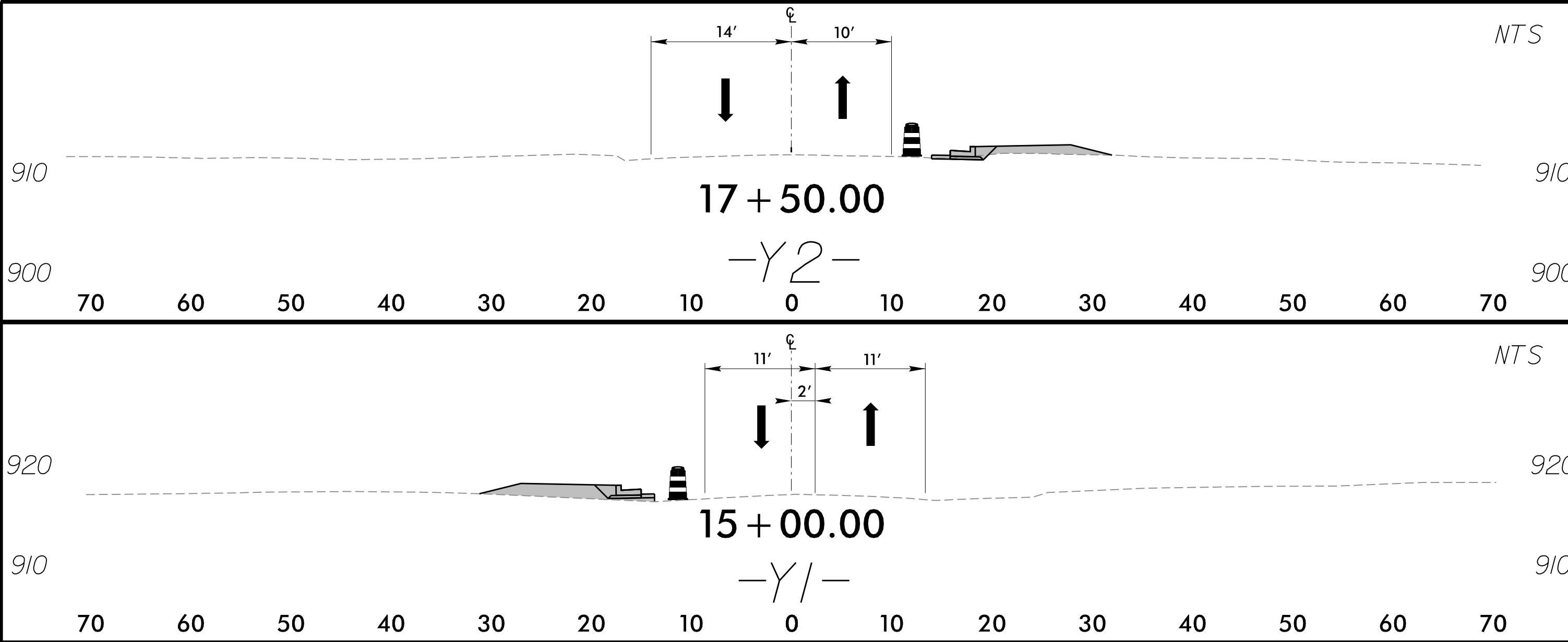
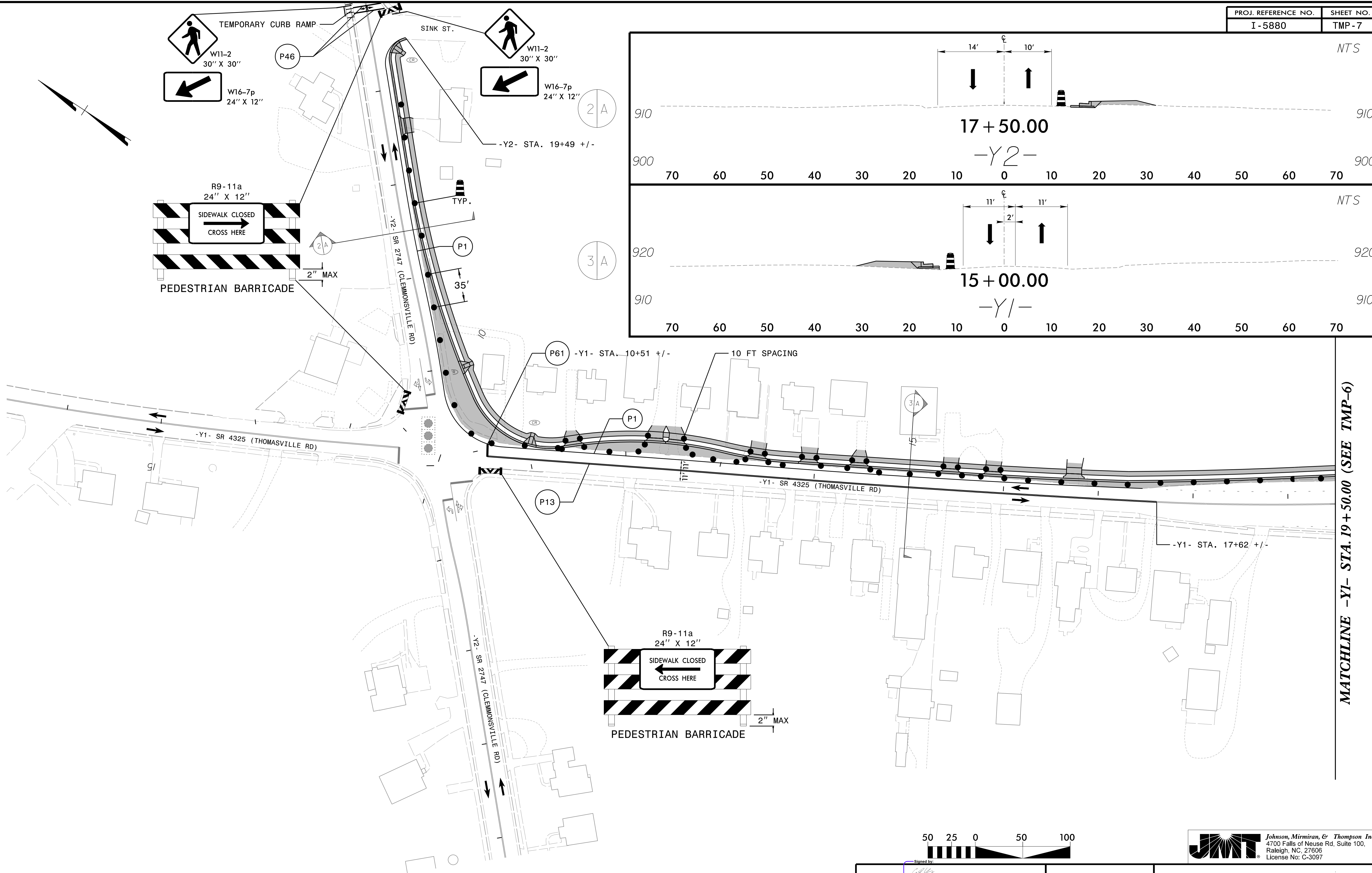


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PHASE I

PROJ. REFERENCE NO.	SHEET NO.
I-5880	TMP-7



MATCHLINE -Y1- STA. 19+50.00 (SEE TMP-6)



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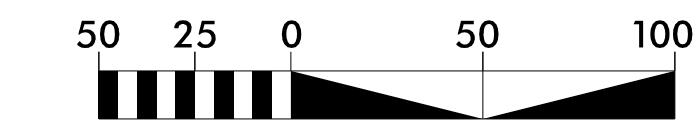
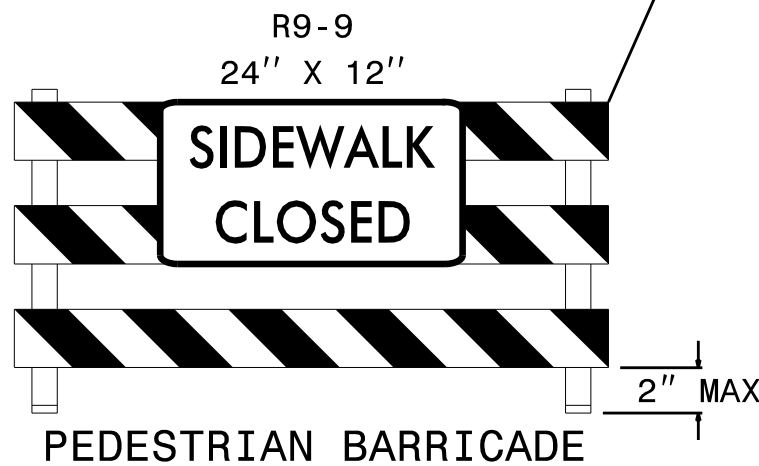
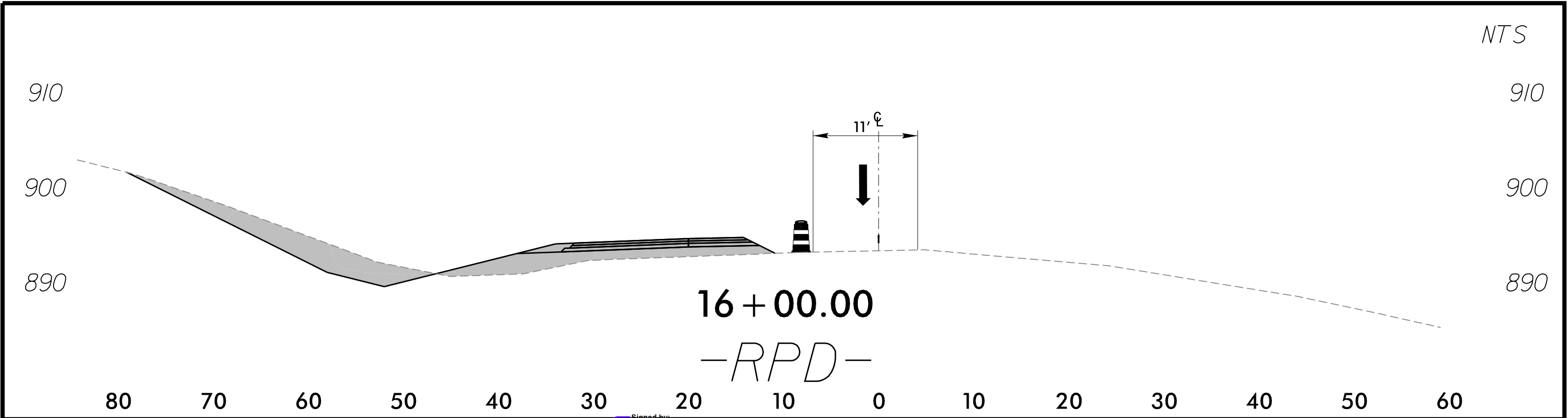
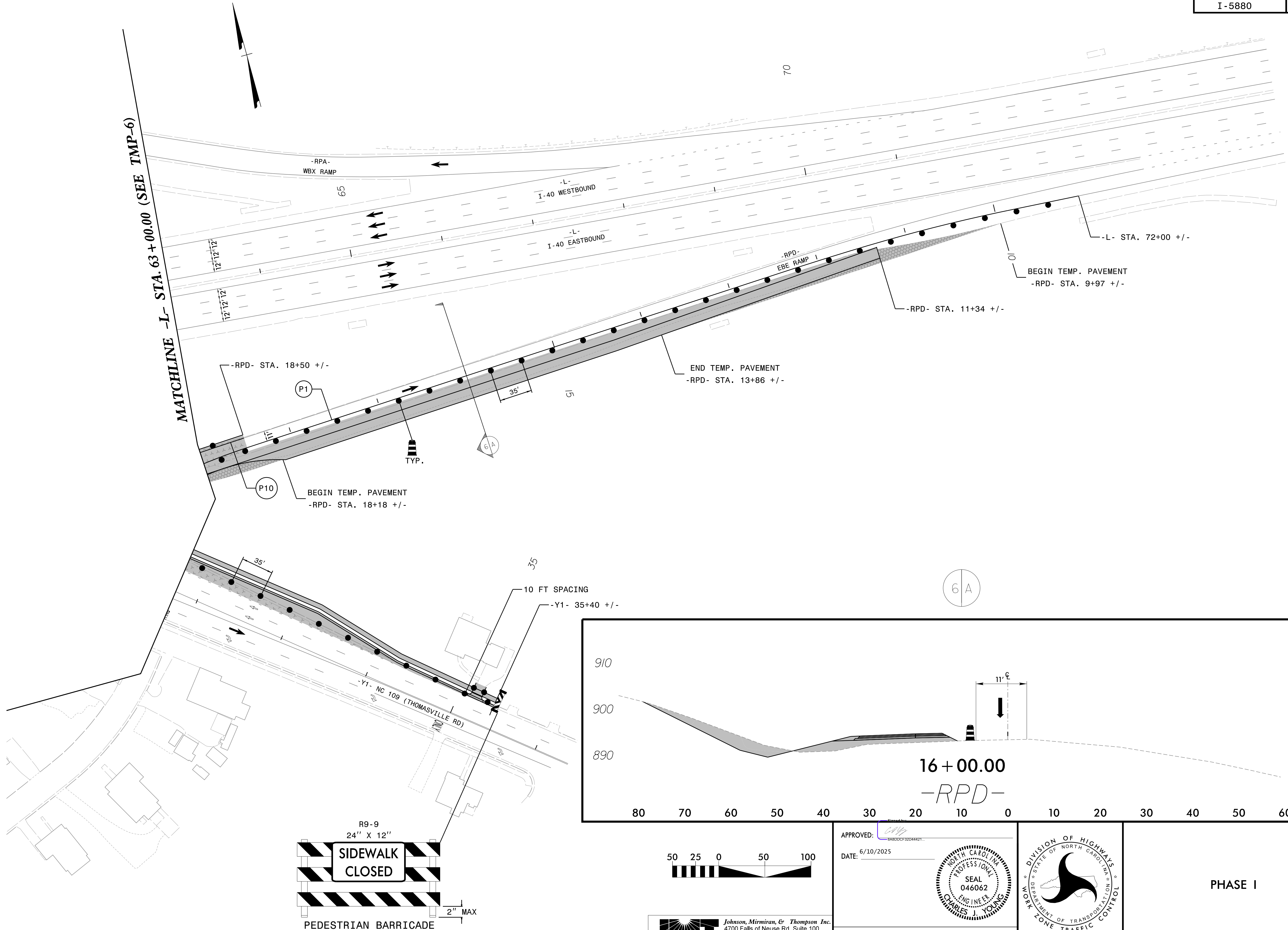
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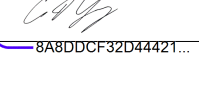


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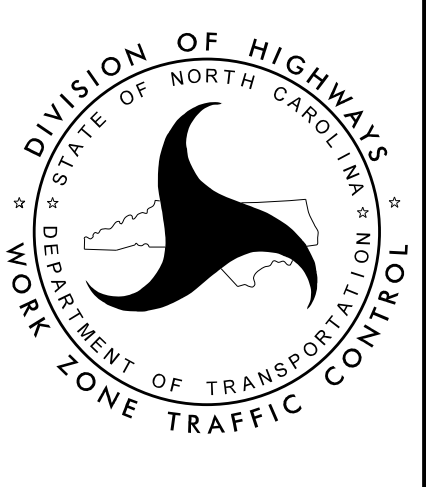
PROJ. REFERENCE NO.	SHEET NO.
I-5880	TMP-8



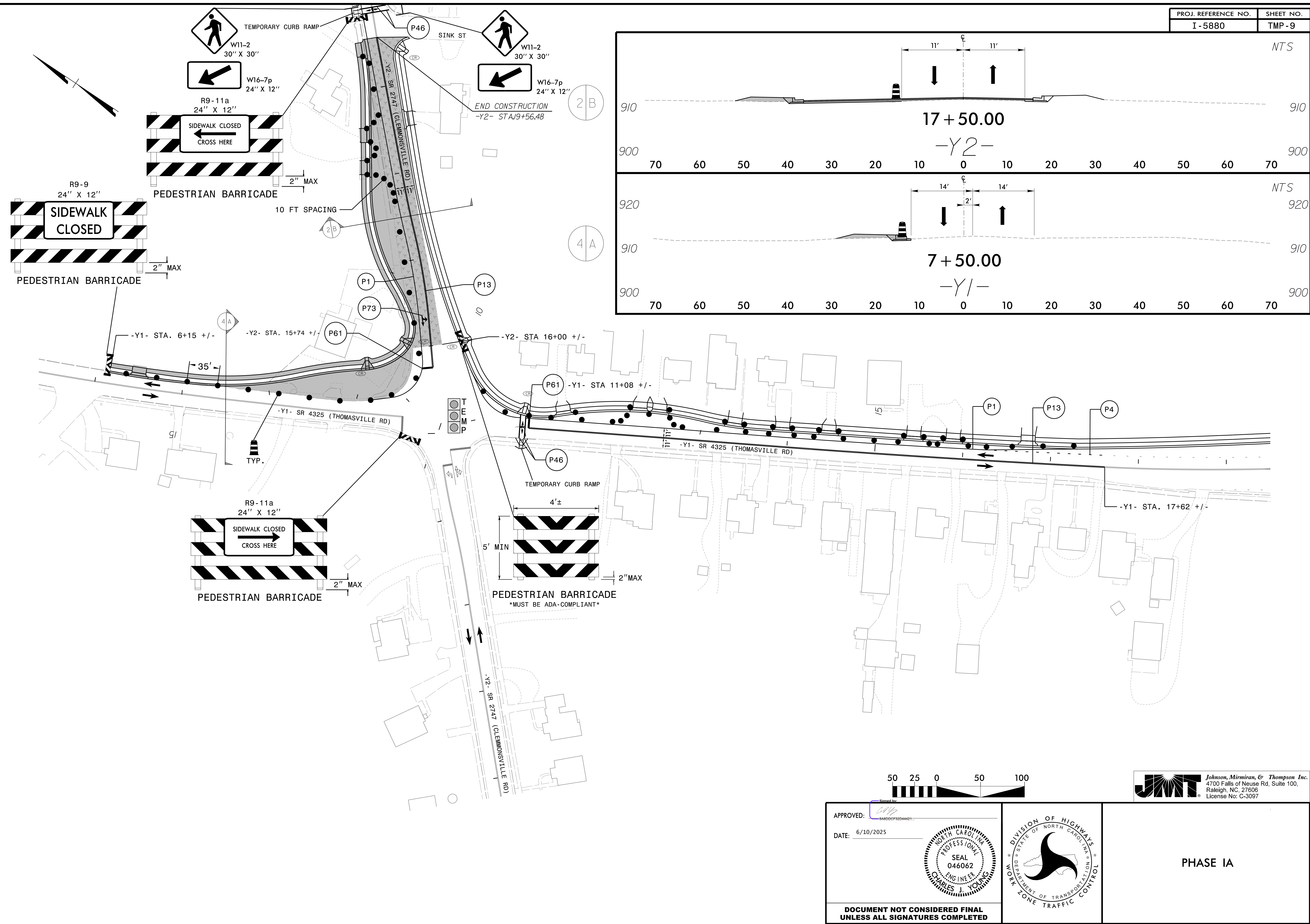
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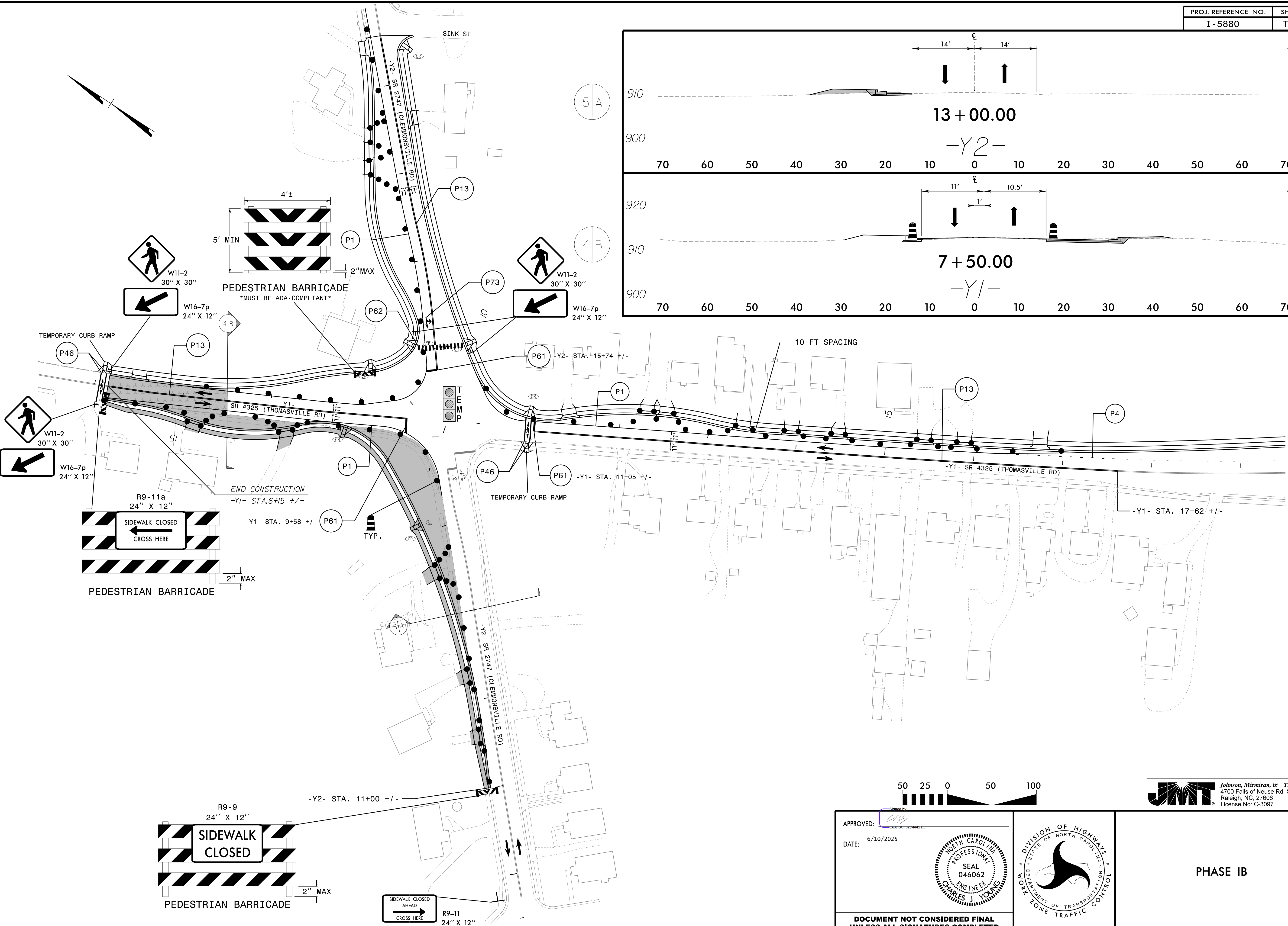
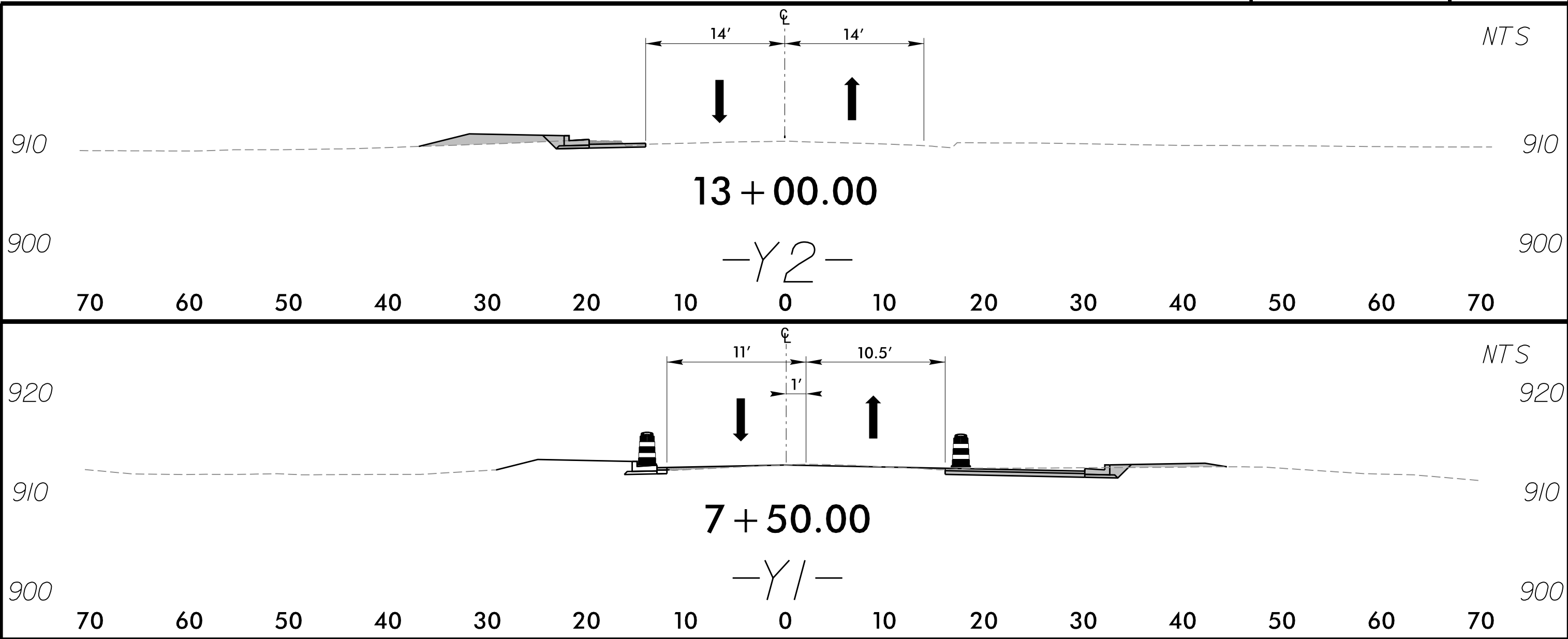
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PHASE I

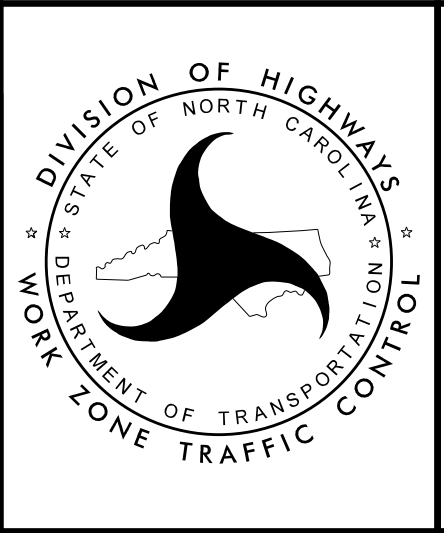


PROJ. REFERENCE NO.	SHEET NO.
I-5880	TMP-10

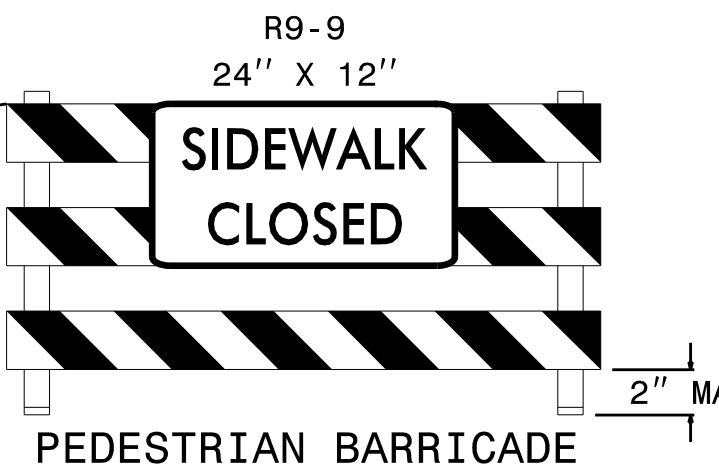
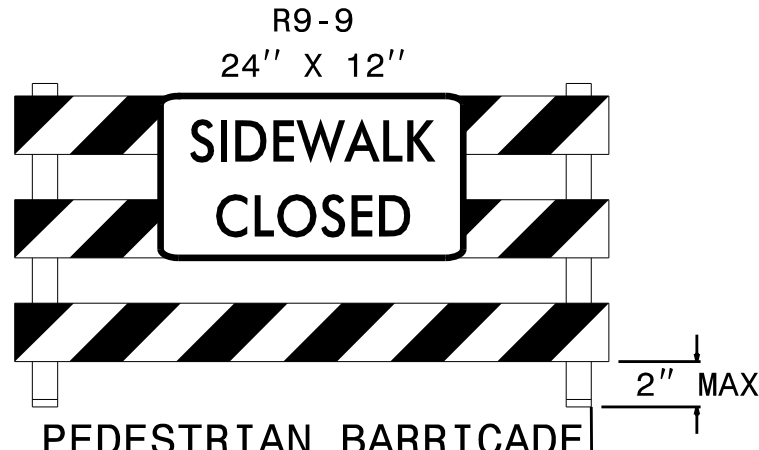
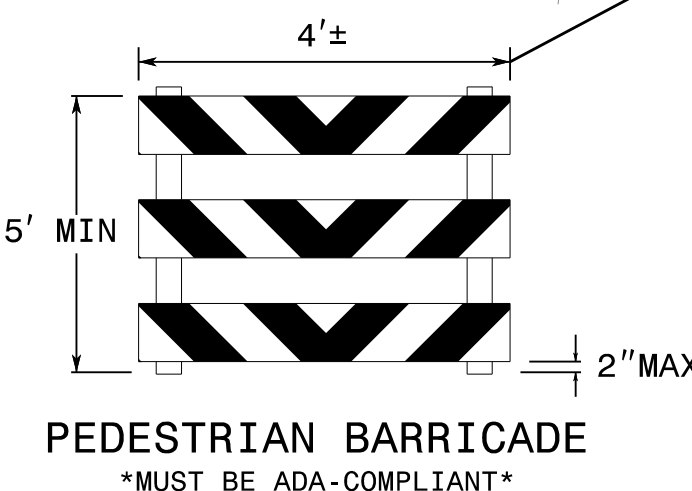
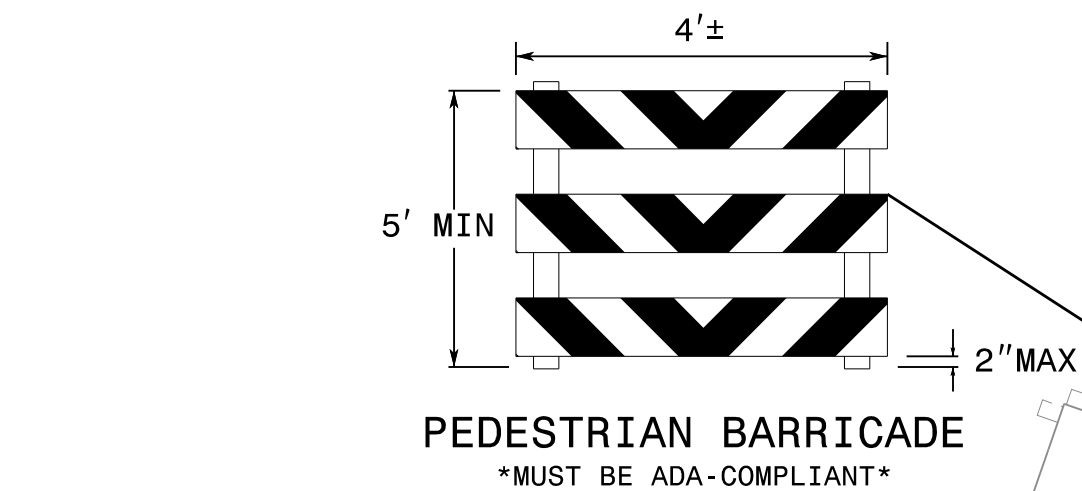
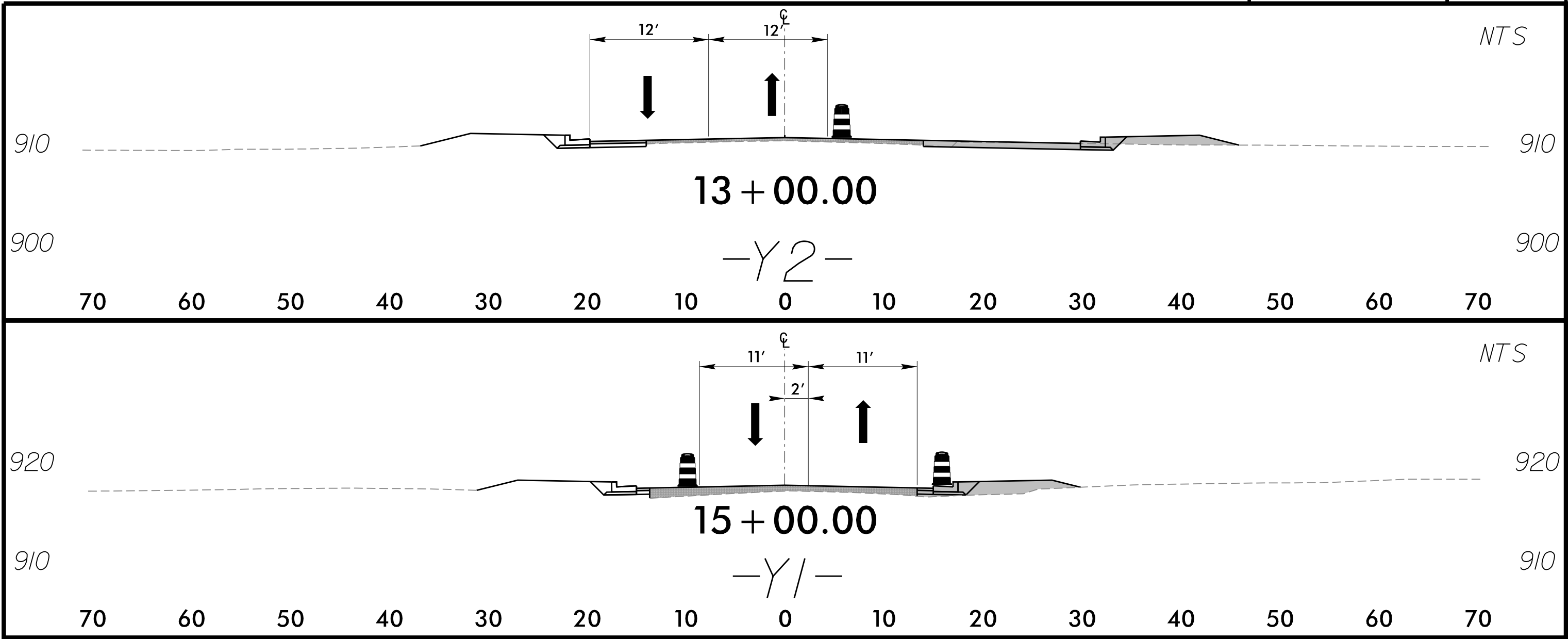
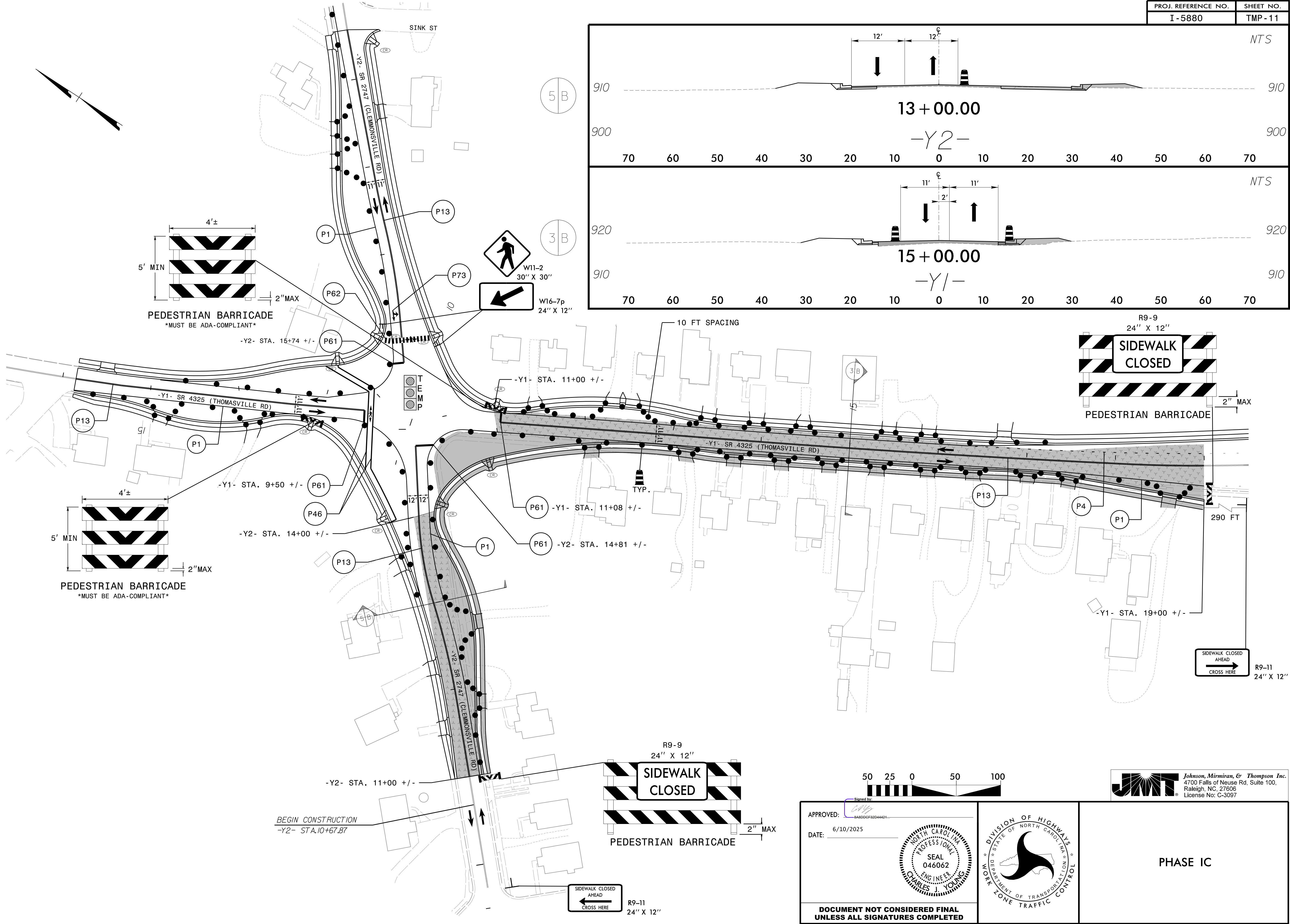


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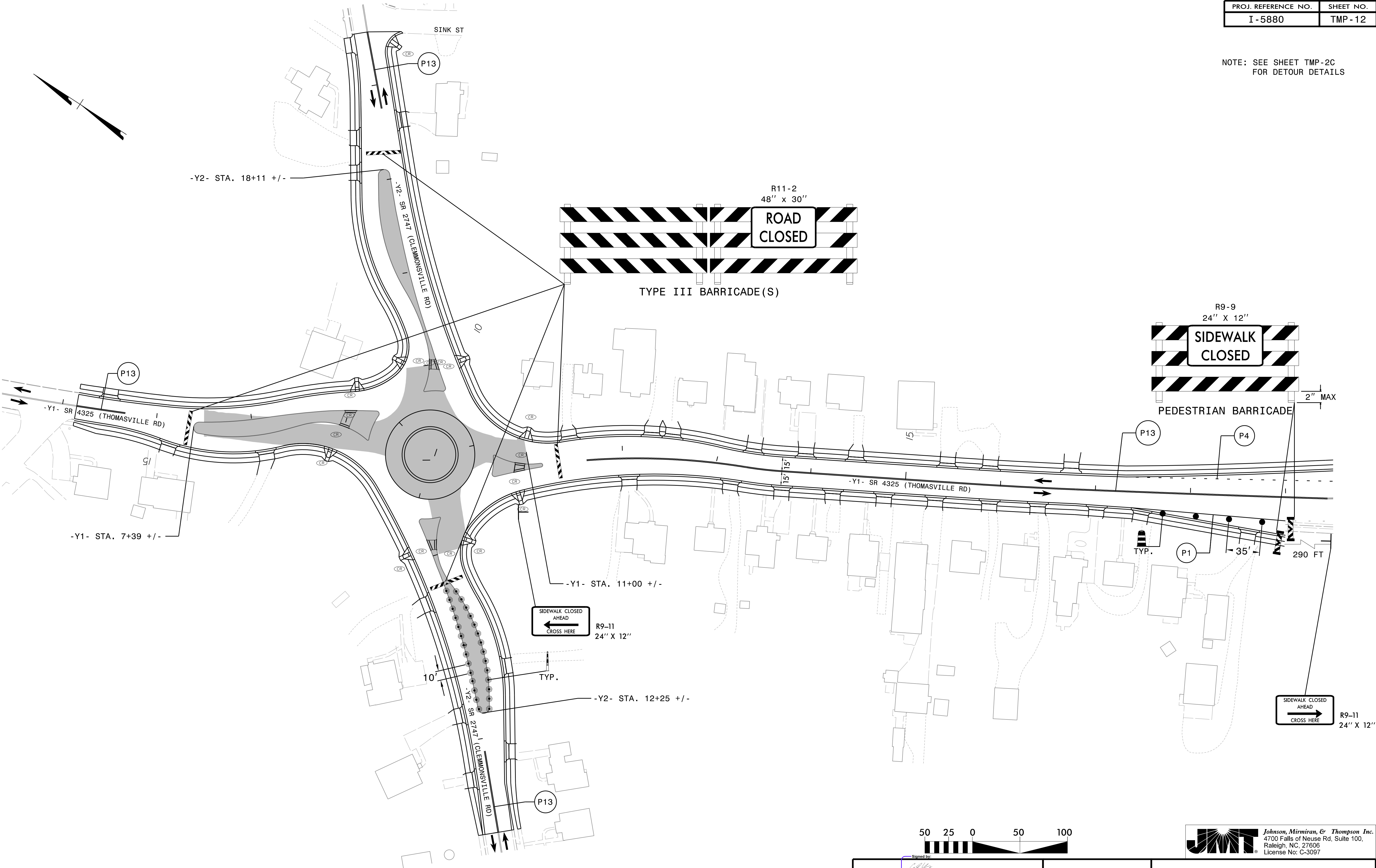


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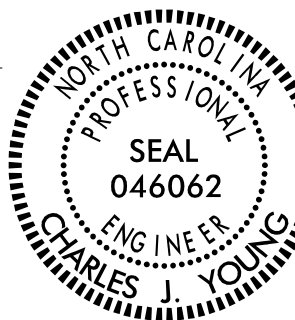
PROJ. REFERENCE NO.	SHEET NO.
I-5880	TMP-12

NOTE: SEE SHEET TMP-2C
FOR DETOUR DETAILS

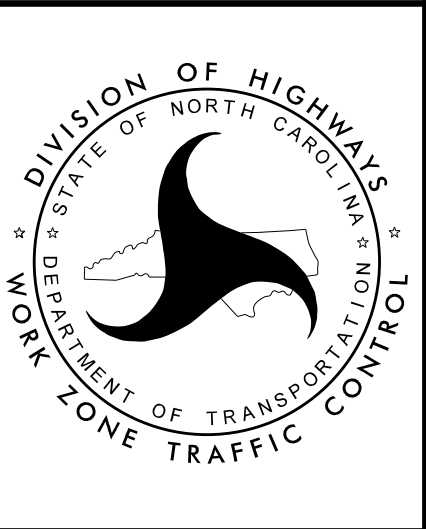


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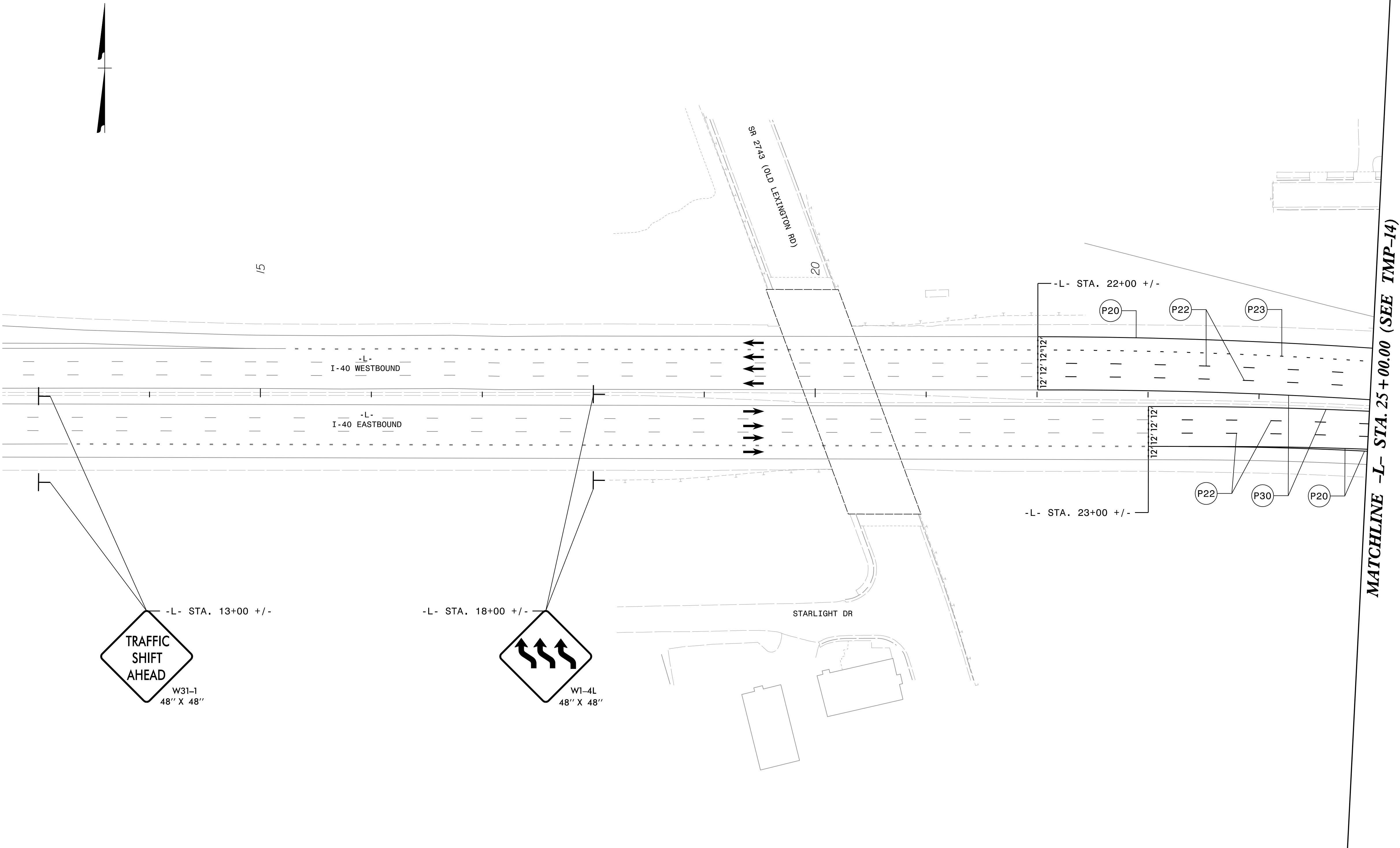


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PHASE ID

PROJ. REFERENCE NO.	SHEET NO.
I-5880	TMP-13



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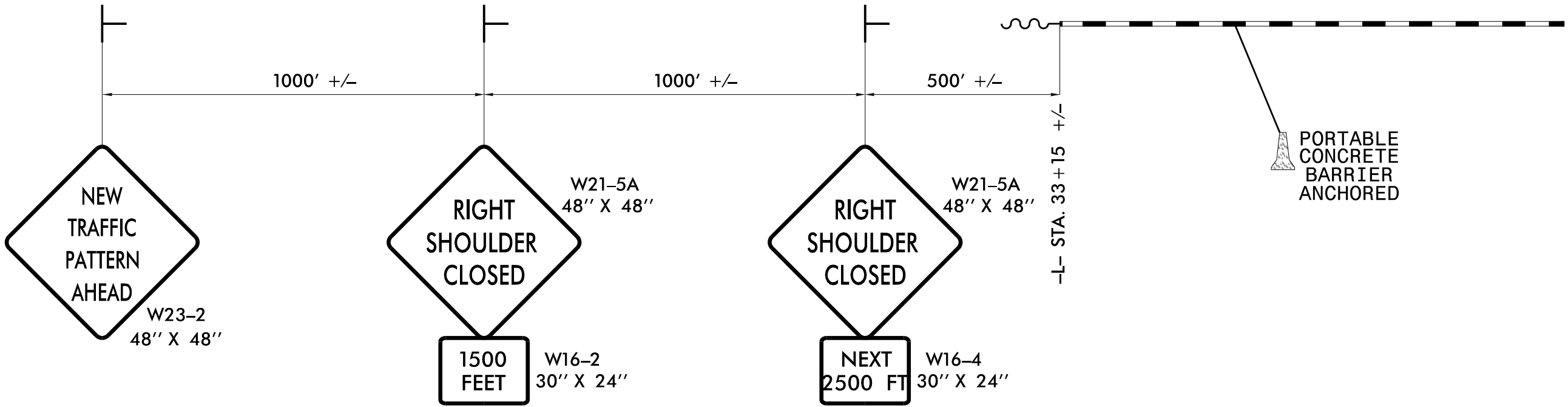


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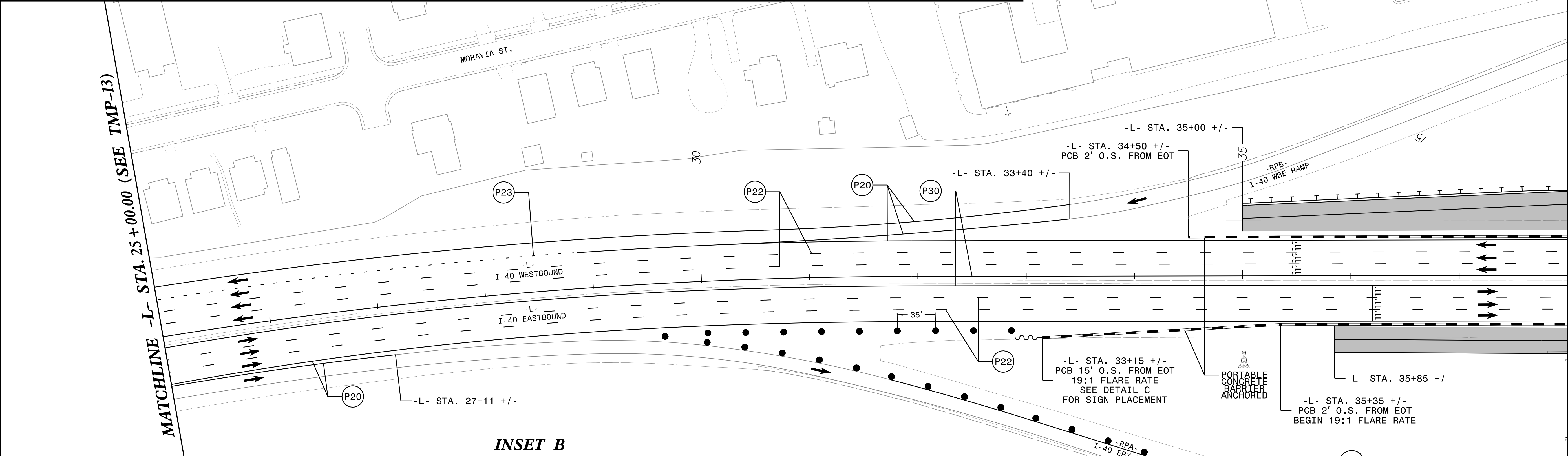
SEE RSD 1101.04, SHEET 1 OF 2 FOR ADDITIONAL NOTES

DETAIL C



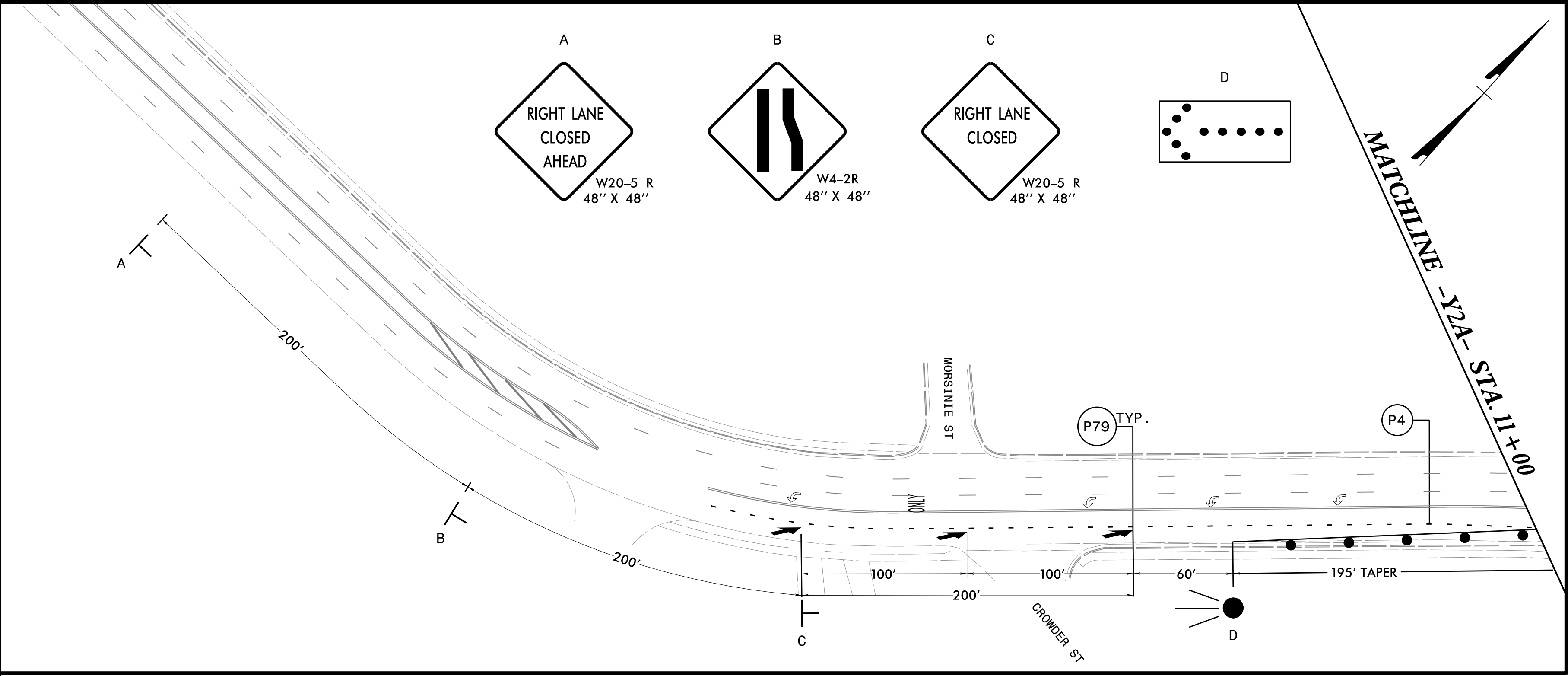
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I-5880	TMP-14

MATCHLINE -L- STA. 25 + 00.00 (SEE TMP-13)

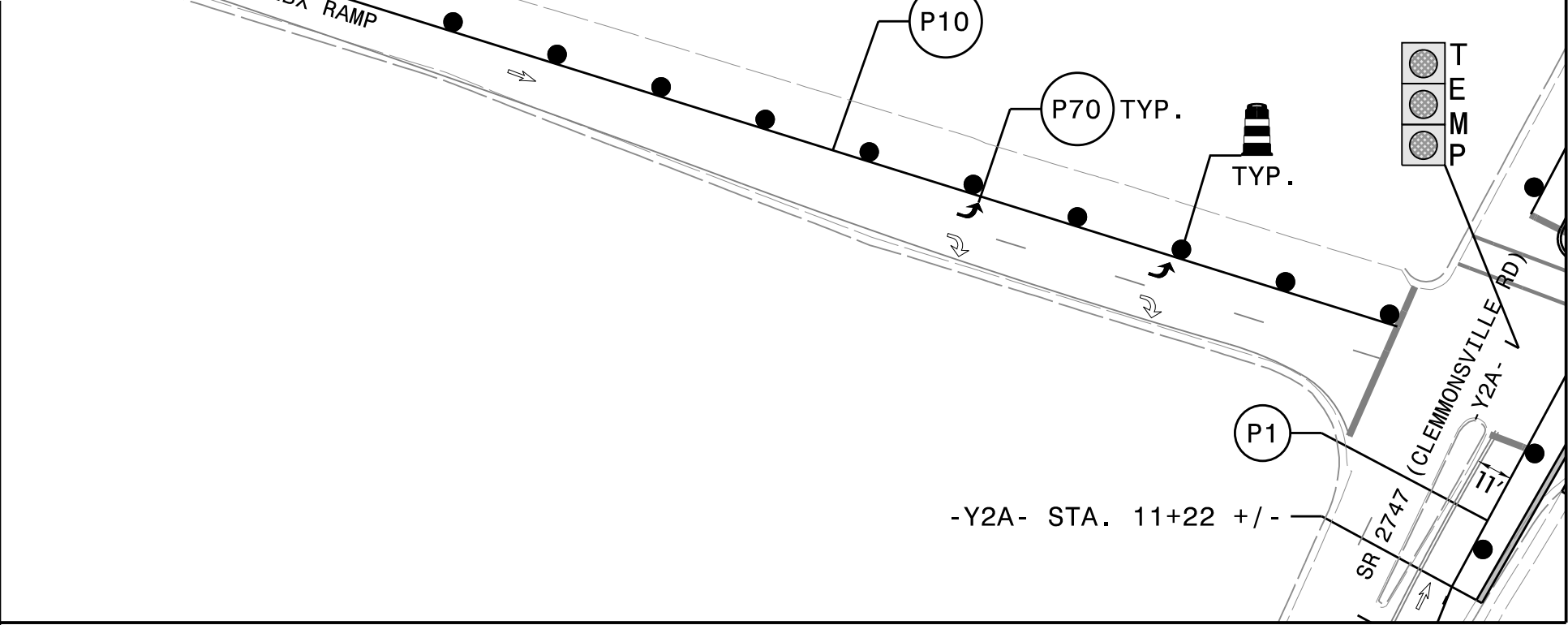


MATCHLINE -L- STA. 38 + 00.00 (SEE TMP-15)

INSET B

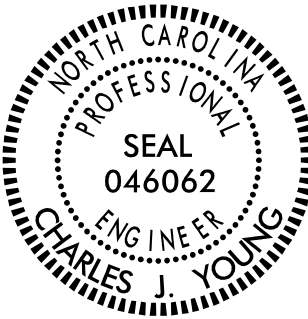


MATCHLINE -Y2A- STA. 11 + 00 (SEE INSET B)



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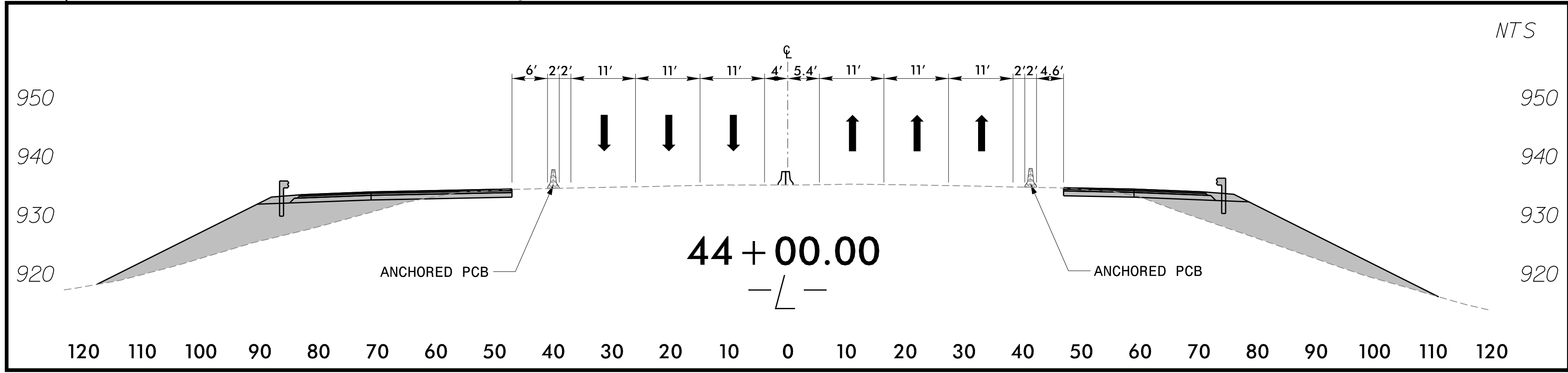
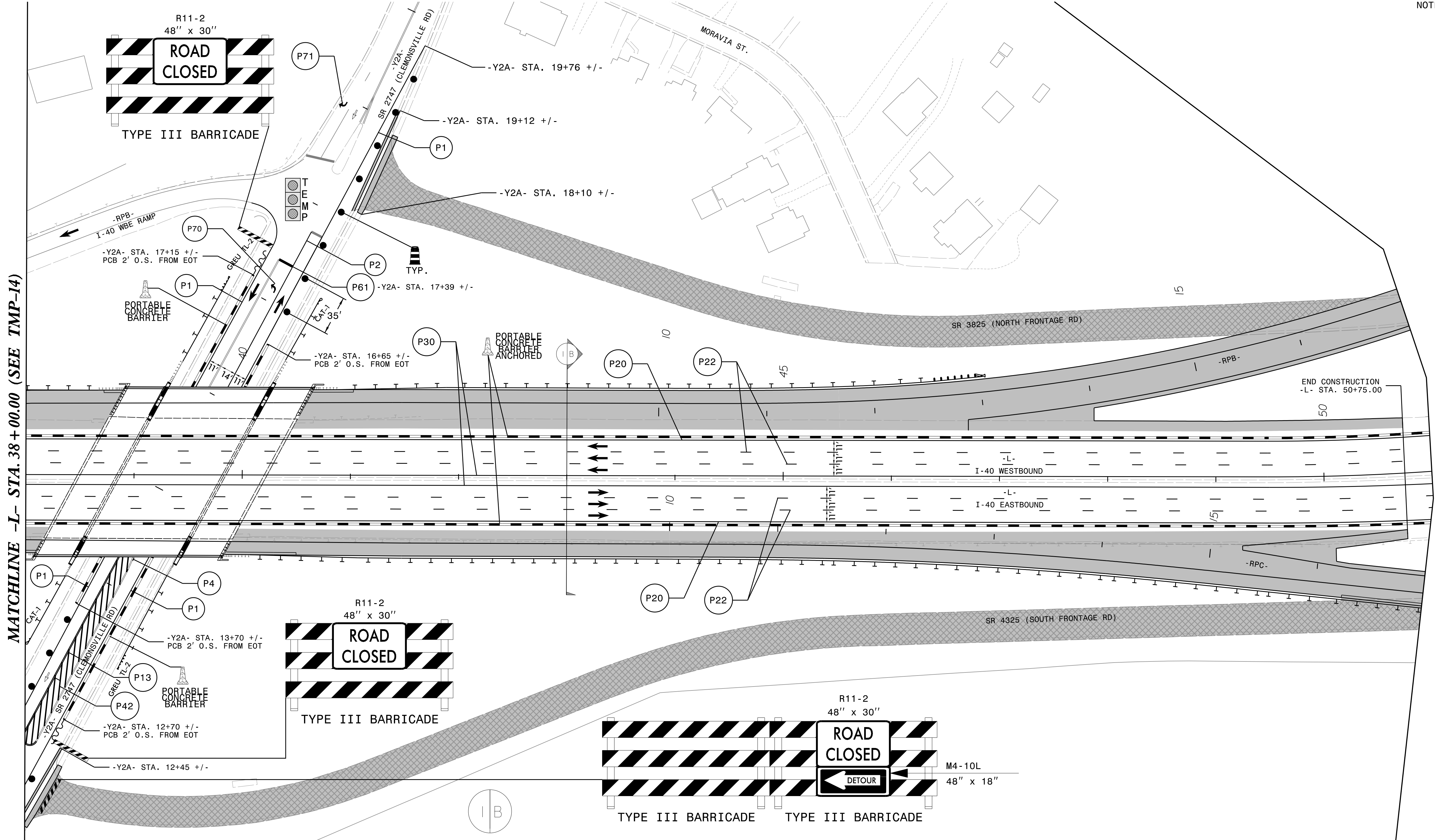


PHASE II

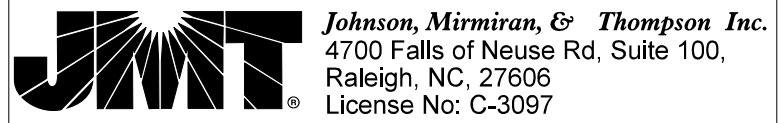
DOCUMENT NOT CONSIDERED FINAL
UNLESS ALL SIGNATURES COMPLETED

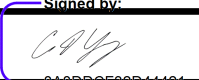
PROJ. REFERENCE NO.	SHEET NO.
I-5880	TMP-15

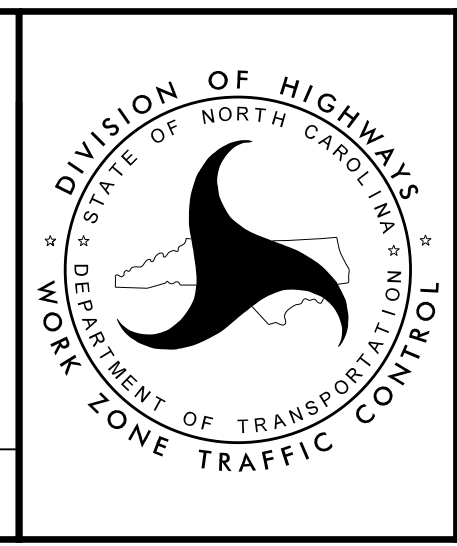
NOTE: SEE SHEET TMP-2D FOR
DETOUR DETAILS



NTS



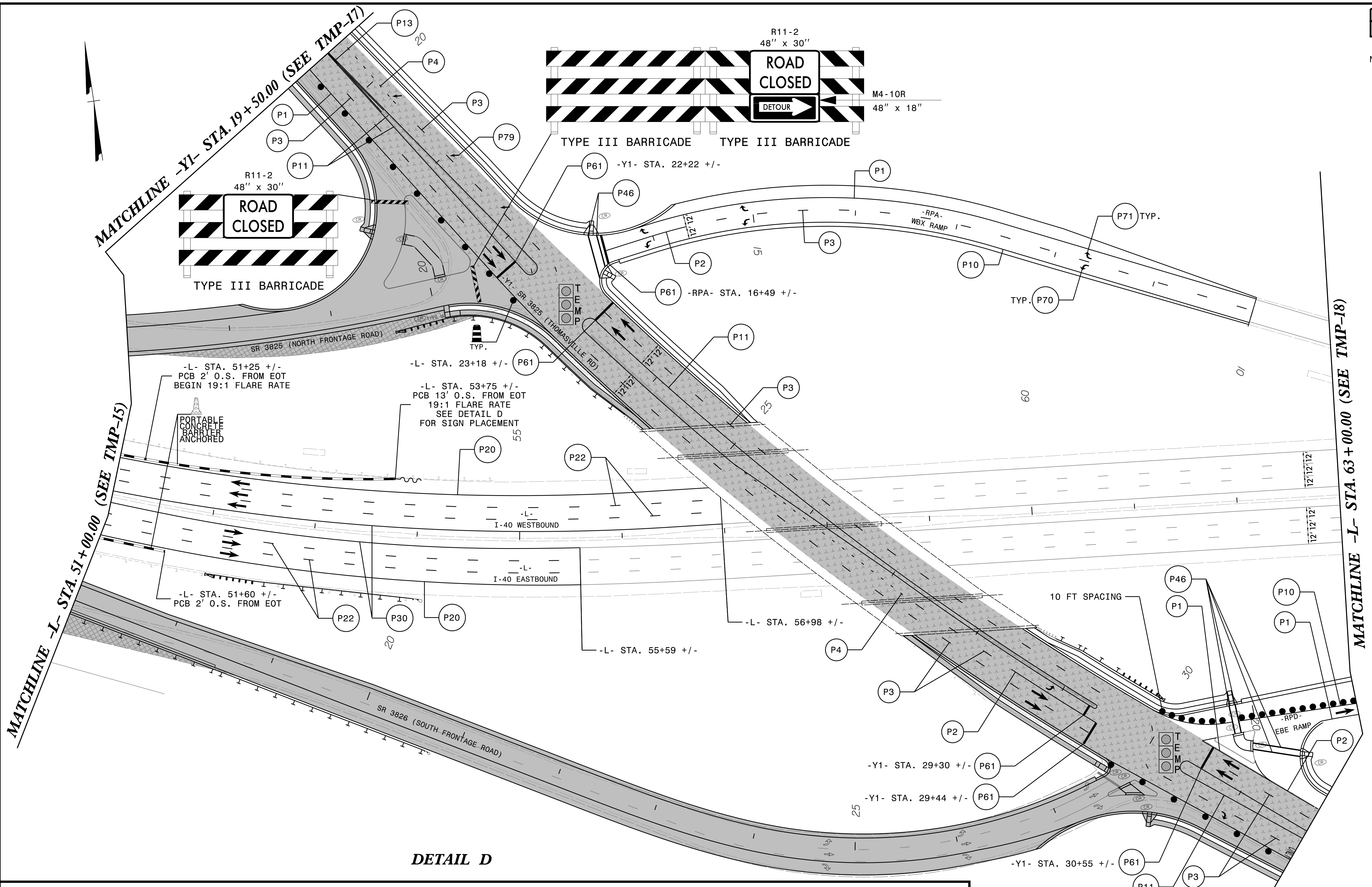
APPROVED: 
DATE: 6/10/2025
NORTH CAROLINA PROFESSIONAL SEAL 046062 ENGINEER CHARLES J. YOUNG
DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED



PHASE II

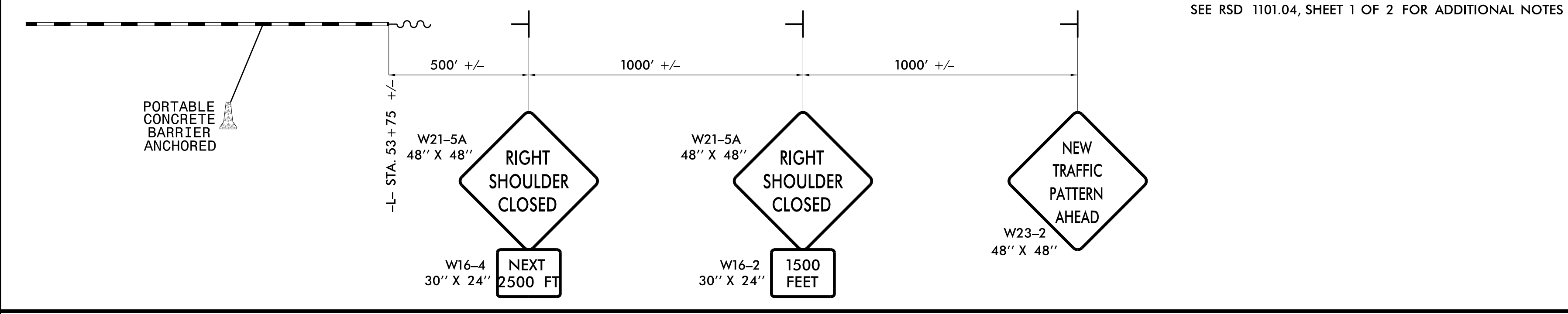
PROJ. REFERENCE NO.	SHEET NO.
I-5880	TMP-16

NOTE: SEE SHEET TMP-2D FOR
DETOUR DETAILS



DETAIL D

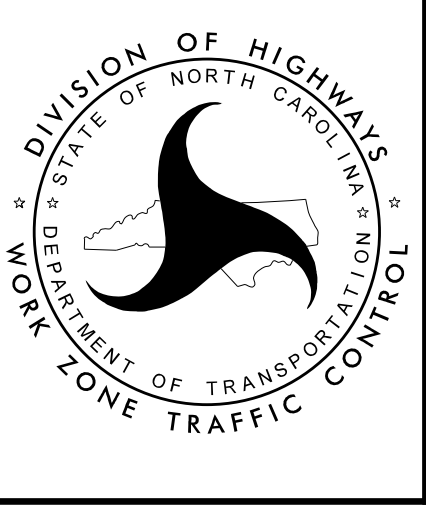
SEE RSD 1101.04, SHEET 1 OF 2 FOR ADDITIONAL NOTES



APPROVED: _____
DATE: 6/10/2025

Seal of the North Carolina Professional Engineer, Charles J. Young, No. 046062.

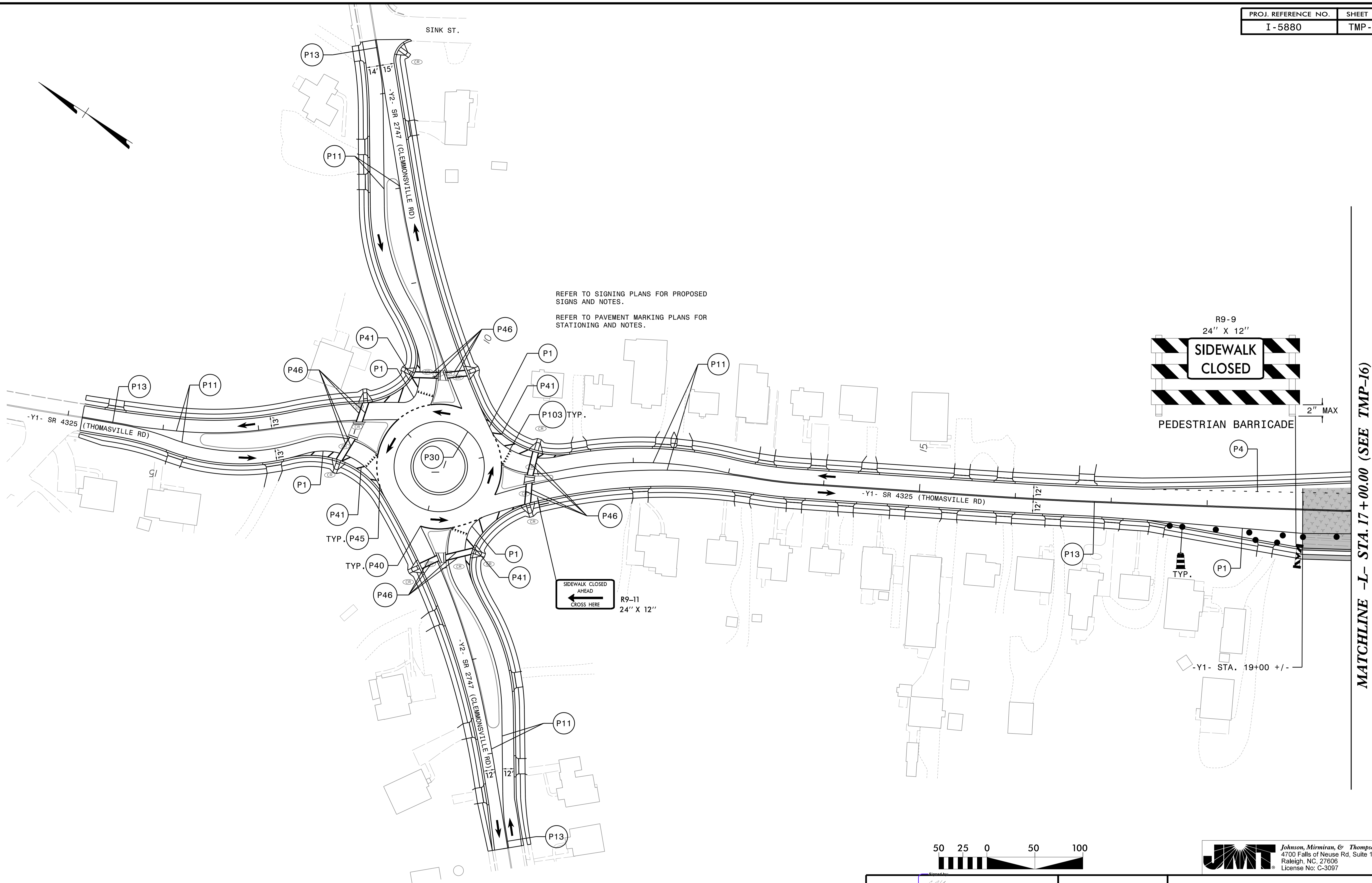
DOCUMENT NOT CONSIDERED FINAL
UNLESS ALL SIGNATURES COMPLETED



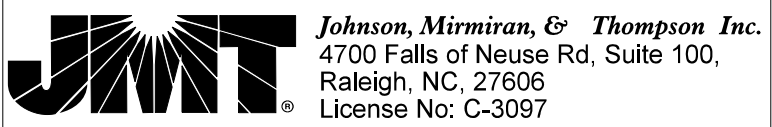
PHASE II

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2/5/2025
\\TC\p\5880_TC_TMP_16.dgn
User:tmriddle



MATCHLINE -L- STA. 17+00.00 (SEE TMP-16)



APPROVED: *CMG*
 (NABCD)CF-3204A421

DATE: 6/10/2025

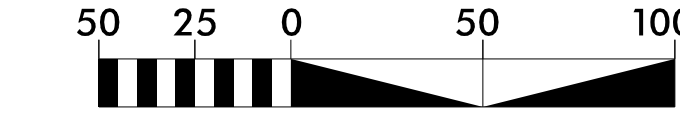
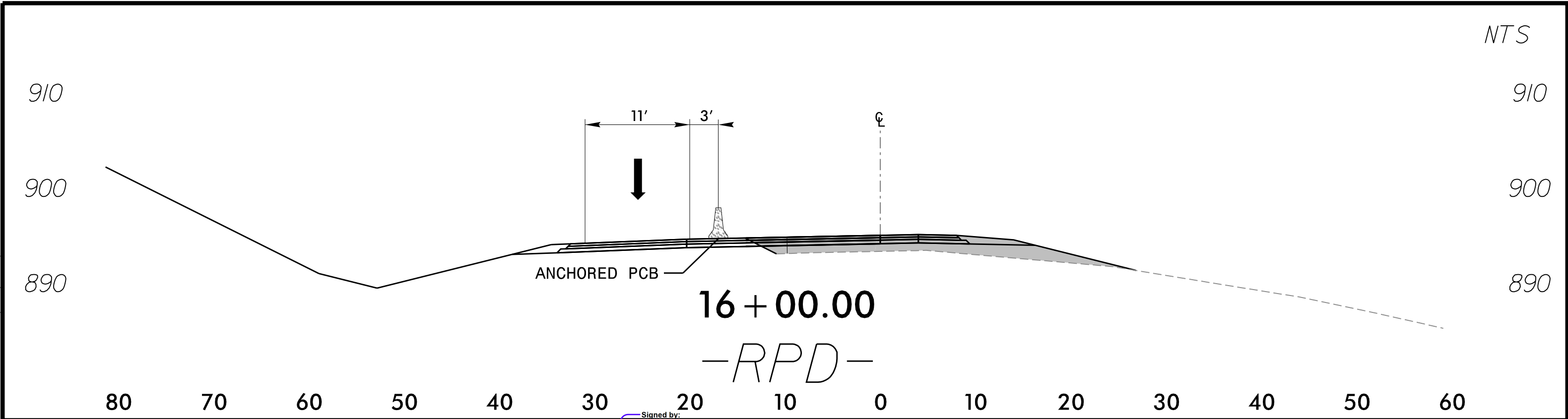
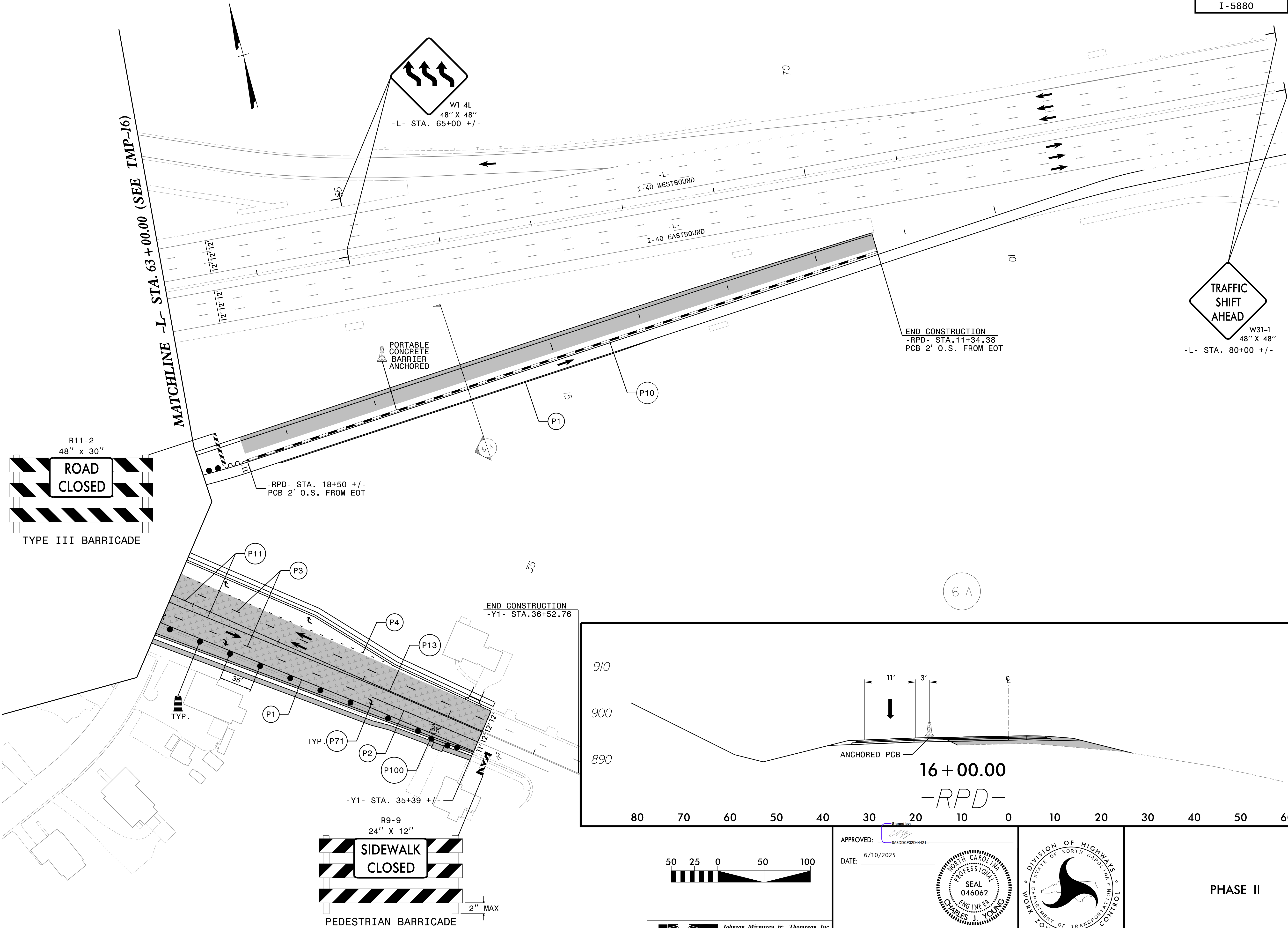
SEAL
046062
ENGINEER
CHARLES J. YOUNG

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PHASE II

PROJ. REFERENCE NO.	SHEET NO.
I-5880	TMP-18



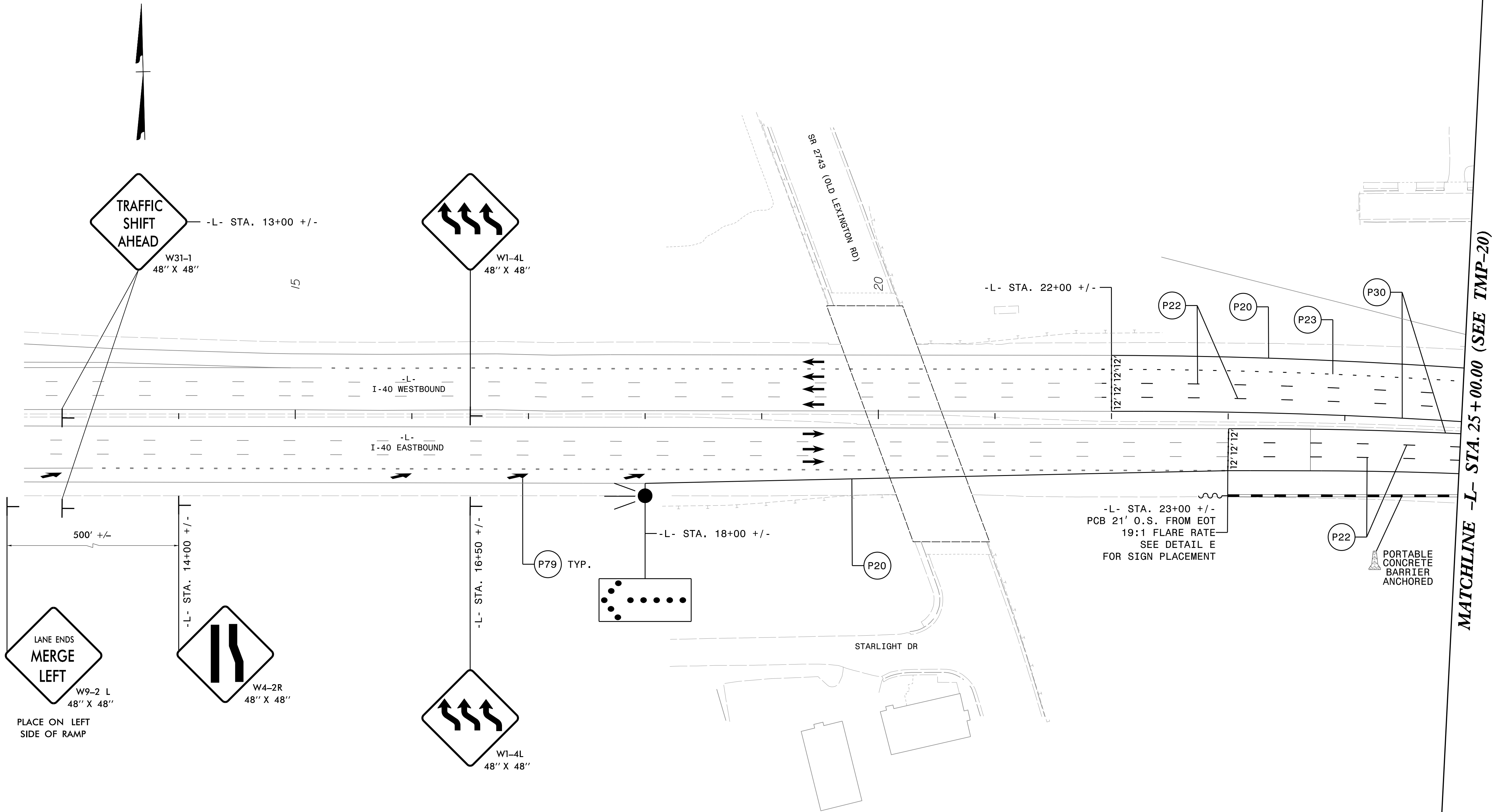
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Raleigh, NC, 27606
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APPROVED:
DATE: 6/10/2025
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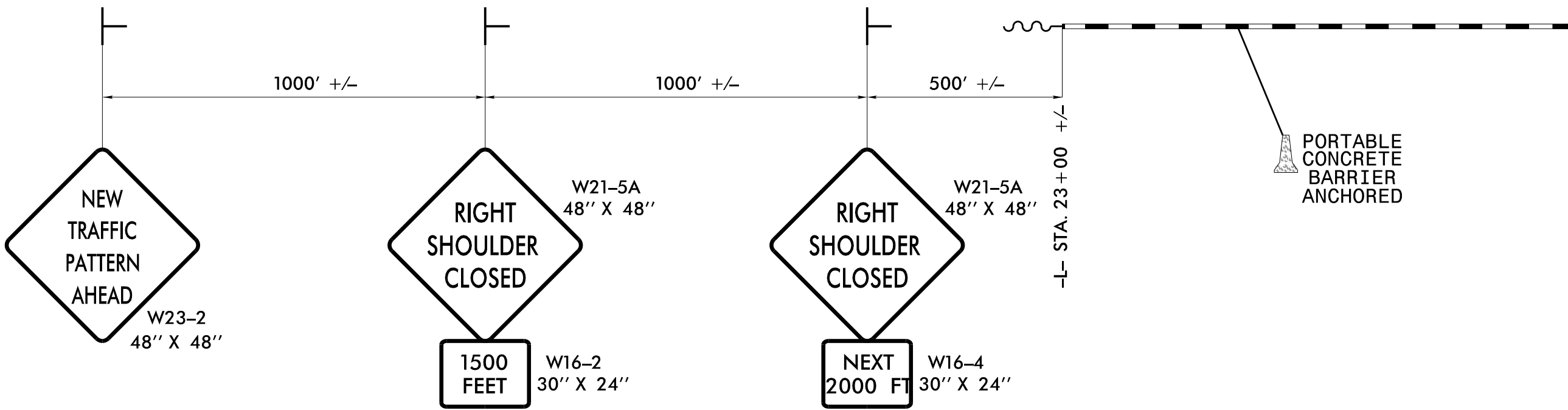
PHASE II

PROJ. REFERENCE NO.	SHEET NO.
I-5880	TMP-19



DETAIL E

SEE RSD 1101.04, SHEET 1 OF 2 FOR ADDITIONAL NOTES



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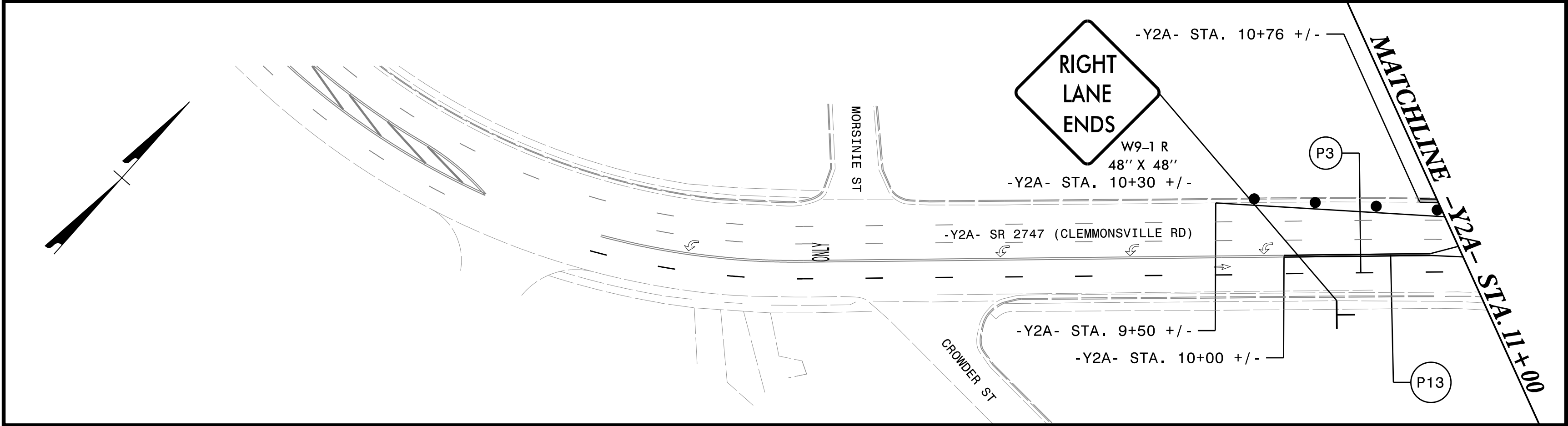
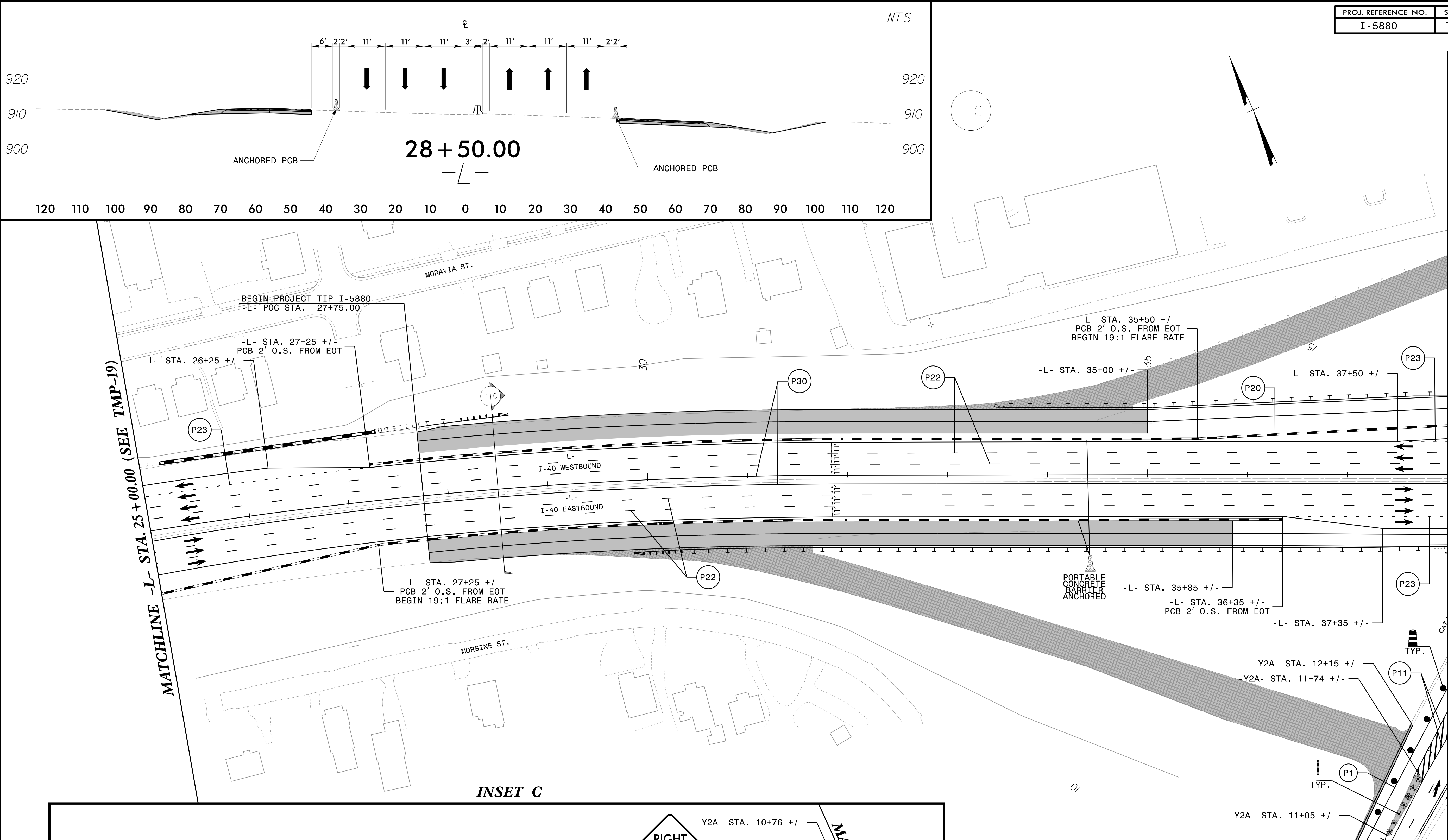
APPROVED:
DATE: 6/10/2025

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PHASE III

PROJ. REFERENCE NO.	SHEET NO.
I-5880	TMP-20



MATCHLINE -Y2A- STA. 11+00 (SEE INSET C)

50 25 0 50 100

APPROVED: [Signature] 6/10/2025

DATE: 6/10/2025

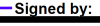
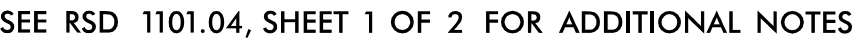
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PHASE III

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Raleigh, NC, 27606
License No. C-3097

**NORTH CAROLINA
PROFESSIONAL
SEAL
046062
ENGINEER
CHARLES J. YOUNG**

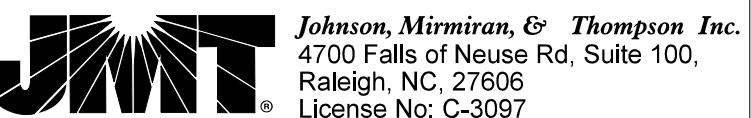
**DIVISION OF HIGHWAYS
STATE OF NORTH CAROLINA
DEPARTMENT OF TRANSPORTATION
WORK ZONE TRAFFIC CONTROL**



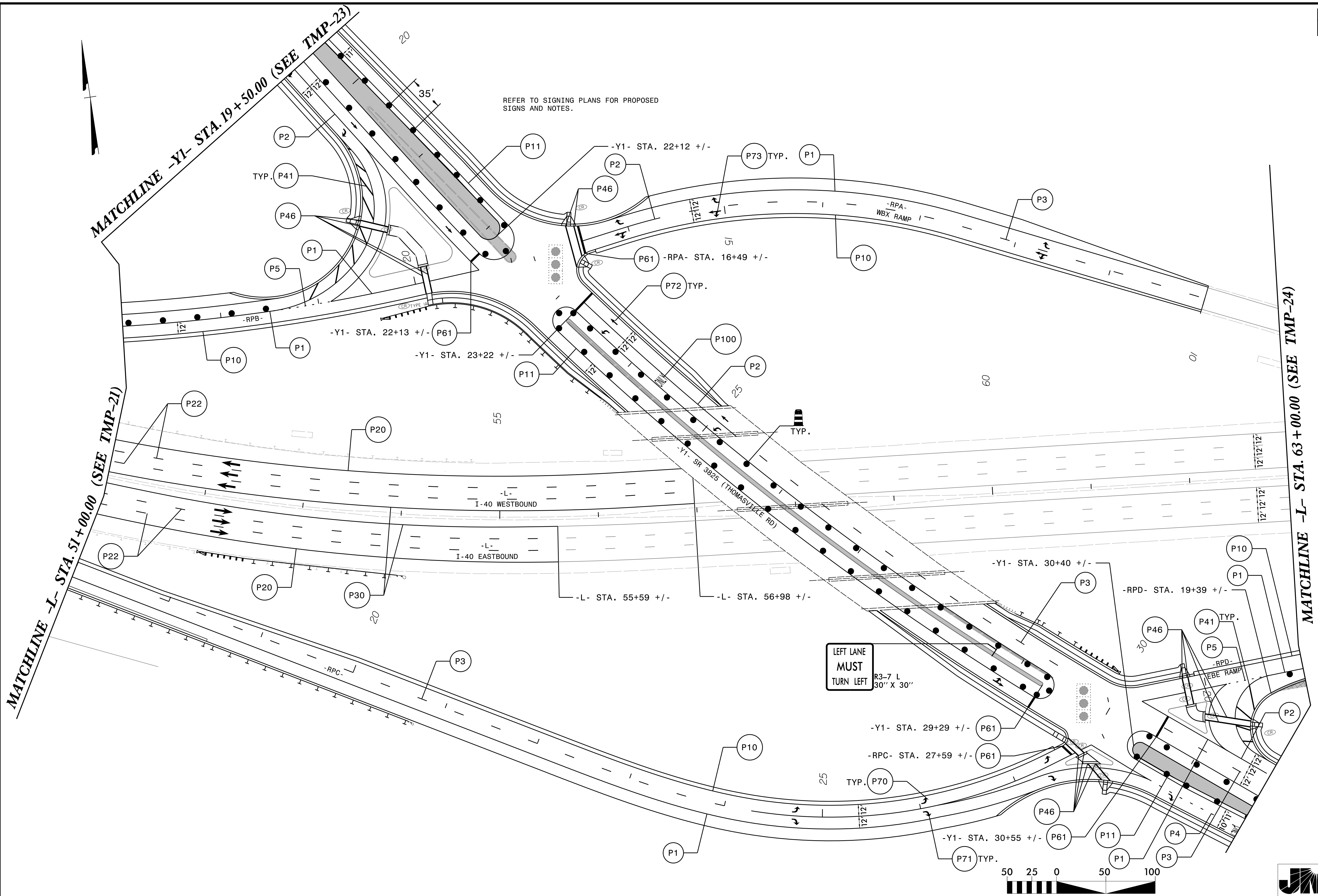
DATE: 6/10/202



PHASE III



PROJ. REFERENCE NO.	SHEET NO.
I-5880	TMP-22



LEFT LANE
MUST
TURN LEFT
R3-7 L
30" X 30"

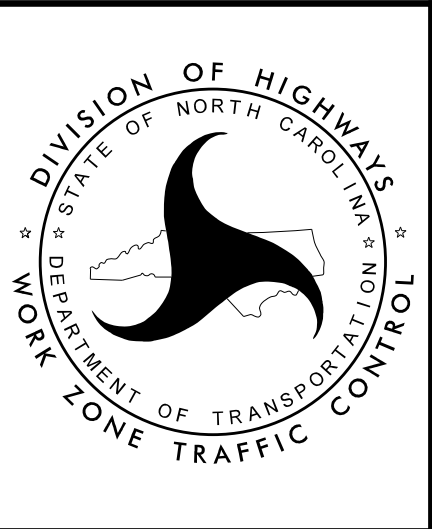


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DATE: 6/10/2025

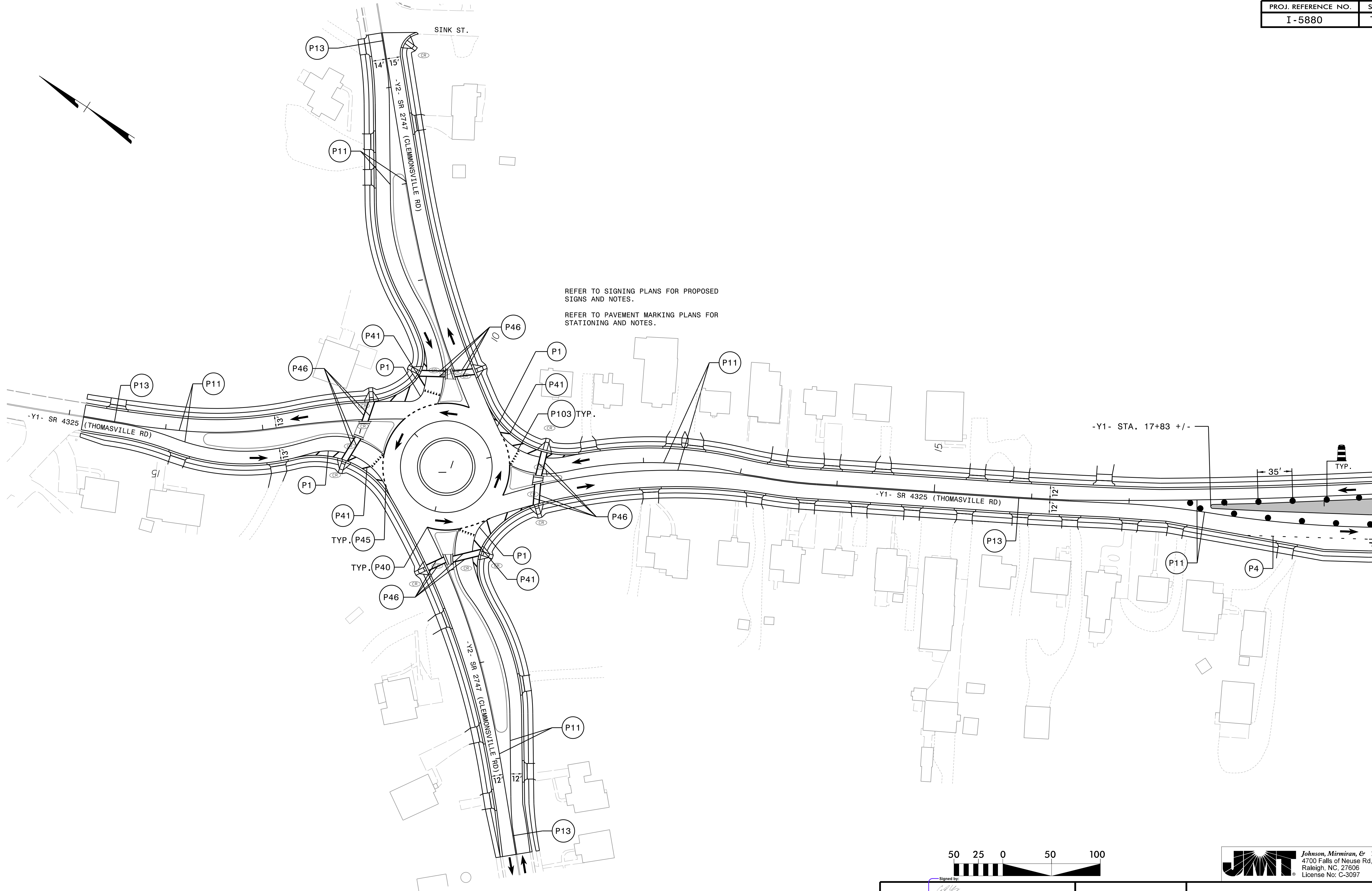
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ENGINEER
046062
CHARLES J. YOUNG

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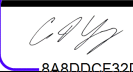
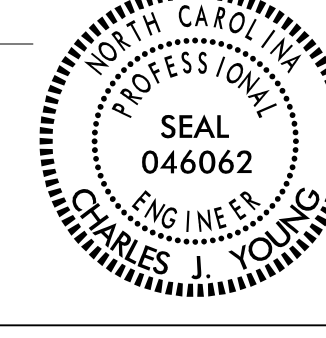


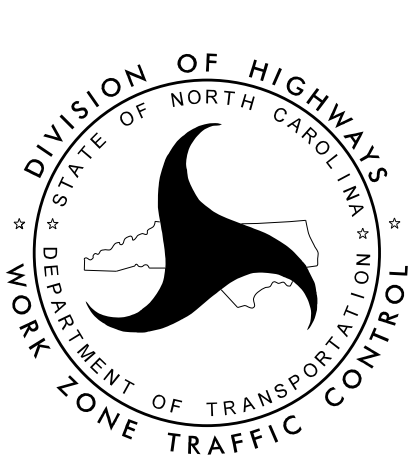
PHASE III

PROJ. REFERENCE NO.	SHEET NO.
I-5880	TMP-23



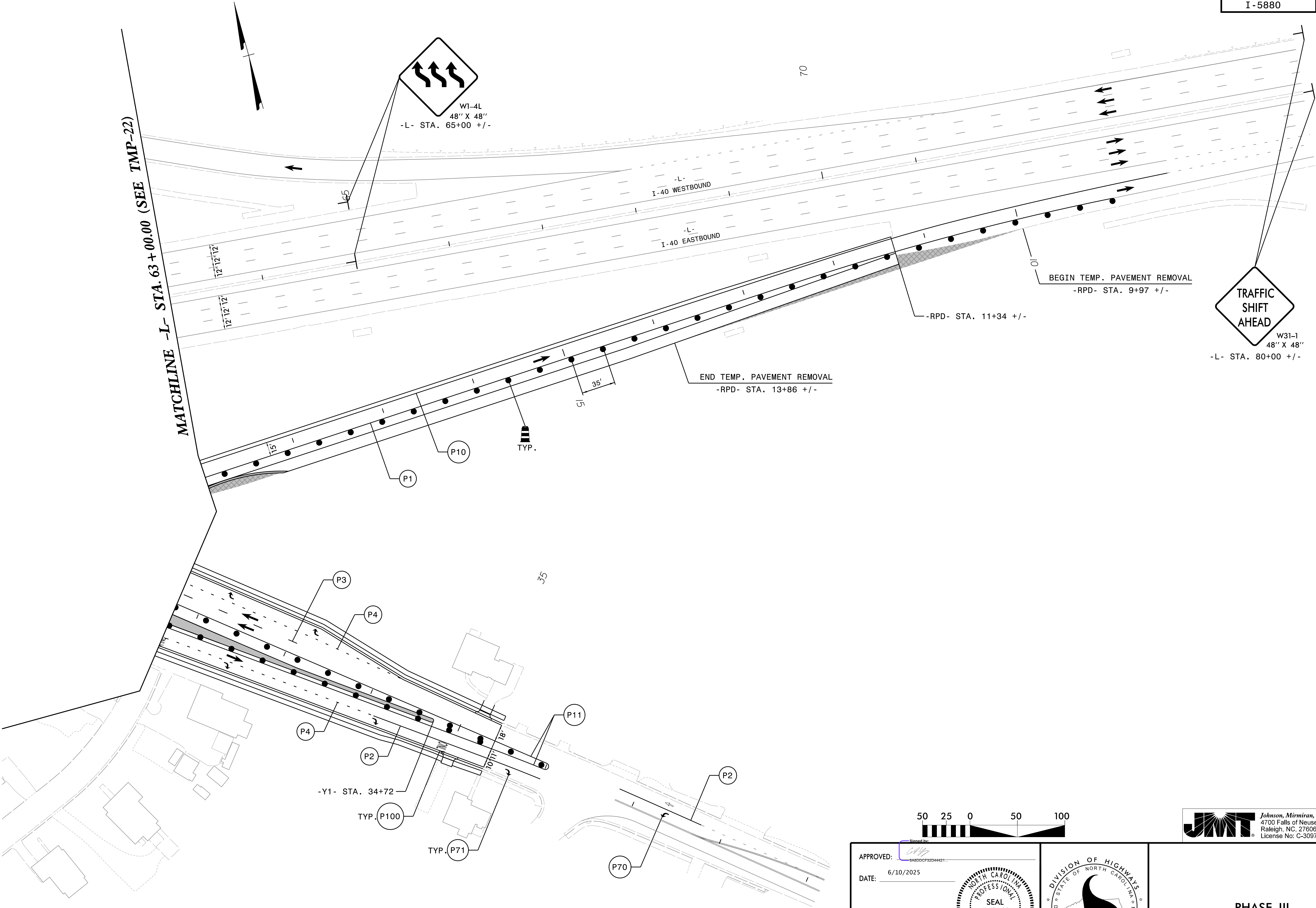
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PROJ. REFERENCE NO.	SHEET NO.
I-5880	TMP-24



TRAFFIC
SHIFT
AHEAD

W31-1
48" X 48"
-L- STA. 80+00 +/-



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PHASE III