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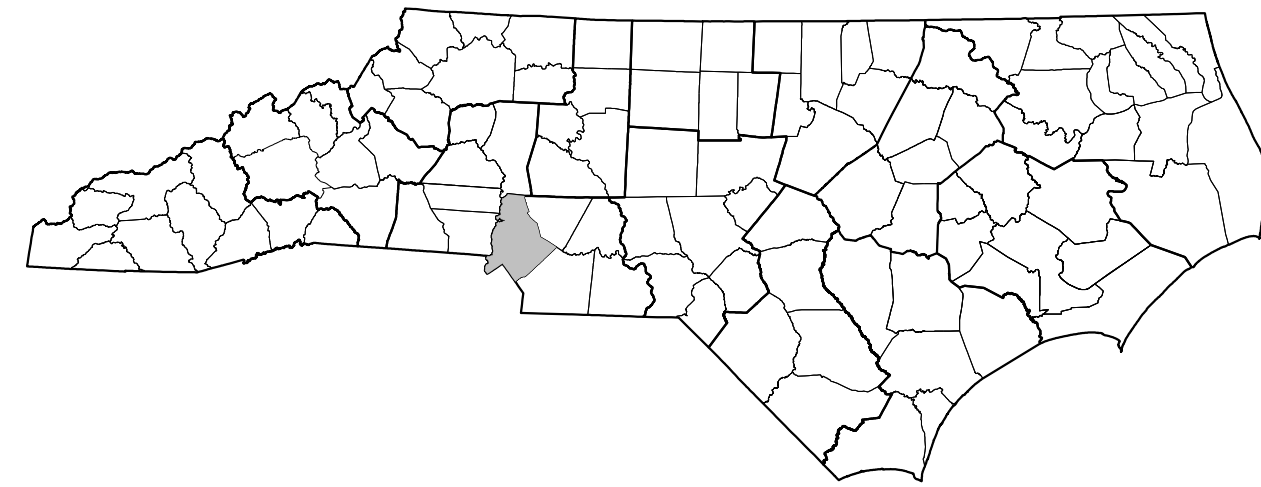
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STATE OF NORTH CAROLINA
DIVISION OF HIGHWAYS

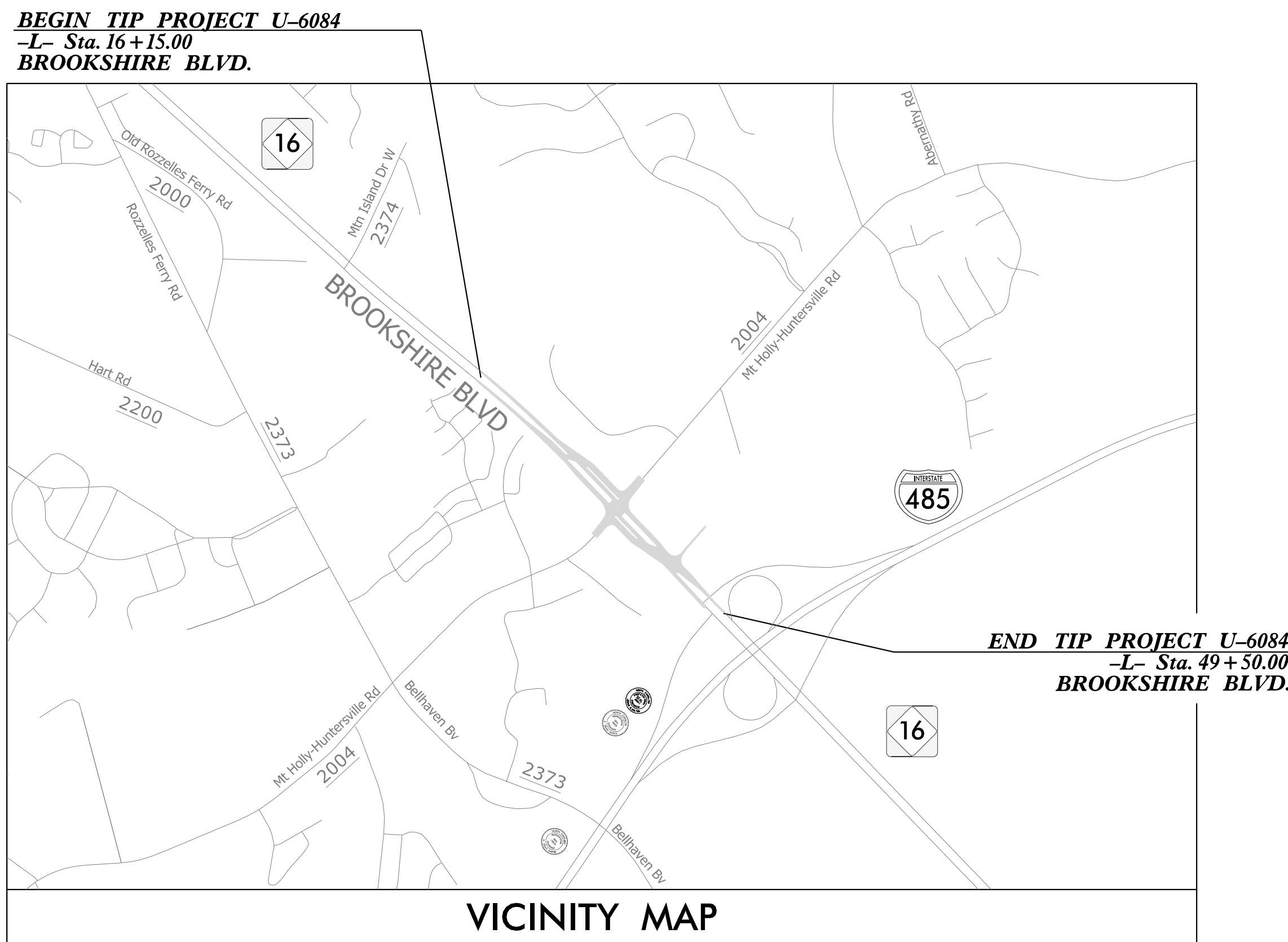
TRANSPORTATION MANAGEMENT PLAN

MECKLENBURG COUNTY

DIVISION 10



TYPE OF WORK: GRADING, PAVING, DRAINAGE, SIGNALS PAVEMENT MARKINGS, PAVEMENT MARKERS



INDEX OF SHEETS

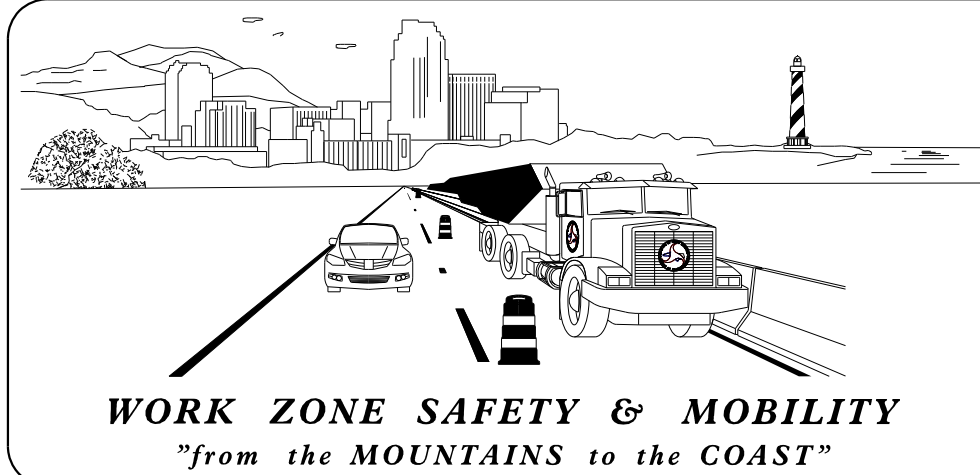
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SHEET NO.
TMP-1

CONTRACT: C204126

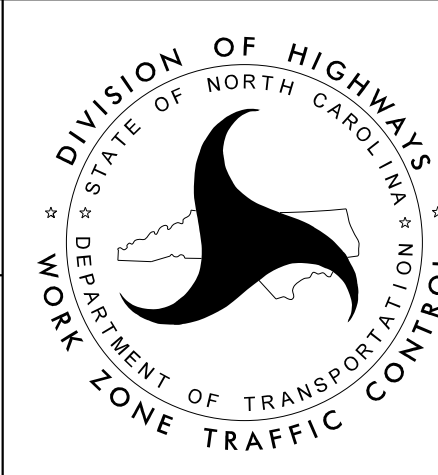
TIP PROJECT: U-6084

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PLAN PREPARED FOR THE
NORTH CAROLINA DEPARTMENT OF TRANSPORTATION
RALEIGH, NC

SEAN EPPERSON, P.E. NCDOT DIVISION 10 CONTACT

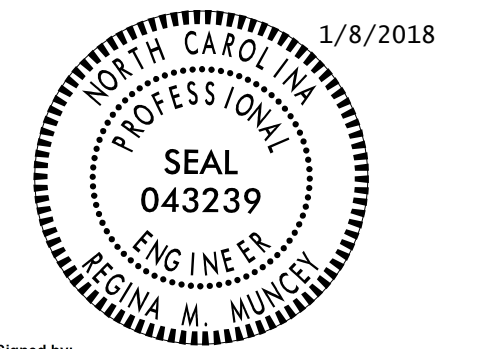


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ROADWAY STANDARD DRAWINGS

THE FOLLOWING ROADWAY STANDARDS AS APPEAR IN "ROADWAY STANDARD DRAWINGS" - PROJECT SERVICES UNIT - N.C. DEPARTMENT OF TRANSPORTATION - RALEIGH, N.C., DATED JANUARY 2018 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	DRUMS
1135.01	CONES
1145.01	BARRICADES
1150.01	FLAGGING DEVICES
1165.01	WORK VEHICLE LIGHTING SYSTEMS AND TMA DELINEATION
1180.01	SKINNY - DRUM
1205.01	PAVEMENT MARKINGS - LINE TYPES AND OFFSETS
1205.02	PAVEMENT MARKINGS - TWO LANE AND MULTILANE ROADWAYS
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

TEMPORARY PAVEMENT MARKING SCHEDULE

SYMBOL	DESCRIPTION
PAINT PAVEMENT MARKING LINES (4")	
(P8)	2 FT. - 6 FT./SP WHITE MINISKIP
(P9)	2 FT. - 6 FT./SP YELLOW MINISKIP
(PA)	WHITE EDGELINE
(PB)	YELLOW EDGELINE
(PC)	10 FT. WHITE SKIP
(PD)	3 FT. - 9 FT./SP WHITE MINISKIP
(PE)	WHITE SOLID LANE LINE
(PI)	YELLOW DOUBLE CENTER
PAINT PAVEMENT MARKING LINES (8")	
(P13)	3 FT. - 9 FT./SP WHITE MINISKIP
(PN)	WHITE GORELINE
(PP)	YELLOW DIAGONAL
(PQ)	WHITE CROSSWALK LINE
(PR)	WHITE SOLID LANE LINE
PAINT PAVEMENT MARKING LINES (12")	
(PU)	WHITE DIAGONAL
(PV)	YELLOW DIAGONAL
PAINT PAVEMENT MARKING LINES (24")	
(P2)	WHITE STOPBAR
(P3)	WHITE CROSSWALK LINE

LEGEND

GENERAL

- DIRECTION OF TRAFFIC FLOW
- EXIST. PVMT.
- PROPOSED PVMT.
- NORTH ARROW
- TEMP. SHORING (LOCATION PURPOSES ONLY)
- WORK AREA
- PREVIOUSLY STARTED / CONCURRENT CONSTRUCTION
- PAVEMENT REMOVAL
- TEMPORARY PAVEMENT

PAVEMENT MARKINGS

- EXISTING LINES
- TEMPORARY MARKINGS**
- WHITE EDGE LINE
- YELLOW EDGE LINE
- BROKEN LANE LINES
- MINISKIP LANE LINES
- DOUBLE YELLOW LINES
- GORELINE
- STOP BAR

PAVEMENT MARKING SYMBOLS

- EXISTING PAVEMENT MARKING SYMBOLS (HOLLOW)
- TEMPORARY SYMBOLS**
- PAVEMENT MARKING SYMBOLS
- ONLY**
- PAVEMENT MARKING ALPHANUMERIC CHARACTERS

TRAFFIC CONTROL DEVICES

- BARRICADE (TYPE III)
- CONE
- DRUM
- FLASHING ARROW BOARD
- FLAGGER
- LAW ENFORCEMENT
- TRUCK MOUNTED ATTENUATOR (TMA)
- CHANGEABLE MESSAGE SIGN

SIGNALS

- EXISTING
- PROPOSED
- TEMPORARY

TEMPORARY SIGNING

- PORTABLE SIGN
- STATIONARY SIGN
- STATIONARY OR PORTABLE SIGN

PAVEMENT MARKERS

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

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

ROADWAY STANDARD DRAWINGS, AND LEGEND

PROJ. REFERENCE NO.	SHEET NO.
U-6084	TMP-2

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
ANY ROAD	6:00 A.M.- 8:00 P.M. MONDAY THRU SUNDAY (EVERYDAY)

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 6:00 A.M. DECEMBER 31ST TO 8:00 P.M. JANUARY 2ND. IF NEW YEAR'S DAY IS ON A FRIDAY, SATURDAY, SUNDAY, OR MONDAY THEN UNTIL 8:00 P.M. THE FOLLOWING TUESDAY.
- 3) FOR EASTER, BETWEEN THE HOURS OF 6:00 A.M. THURSDAY AND 8:00 P.M. MONDAY.
- 4) FOR MEMORIAL DAY, BETWEEN THE HOURS OF 6:00 A.M. FRIDAY TO 8:00 P.M. TUESDAY.
- 5) FOR INDEPENDENCE DAY, BETWEEN THE HOURS OF 6:00 A.M. THE DAY BEFORE INDEPENDENCE DAY AND 8:00 P.M. THE DAY AFTER INDEPENDENCE DAY. IF INDEPENDENCE DAY IS ON A FRIDAY, SATURDAY, SUNDAY OR MONDAY; THEN BETWEEN THE HOURS OF 6:00 A.M. THE THURSDAY BEFORE INDEPENDENCE DAY AND 8:00 P.M. THE TUESDAY AFTER INDEPENDENCE DAY.
- 6) FOR LABOR DAY, BETWEEN THE HOURS OF 6:00 A.M. FRIDAY AND 8:00 P.M. TUESDAY.
- 7) FOR THANKSGIVING DAY, BETWEEN THE HOURS OF 6:00 A.M. TUESDAY TO 8:00 P.M. MONDAY.
- 8) FOR CHRISTMAS, BETWEEN THE HOURS OF 6:00 A.M. THE FRIDAY BEFORE THE WEEK OF CHRISTMAS DAY AND 8:00 P.M. THE FOLLOWING TUESDAY AFTER THE WEEK OF CHRISTMAS.

TRAFFIC PATTERN ALTERATIONS

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

SIGNING

- D) 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.
- E) ENSURE ALL NECESSARY SIGNING IS IN PLACE PRIOR TO ALTERING ANY TRAFFIC PATTERN.
- F) INSTALL BLACK ON ORANGE "DIP" SIGNS (W8-2) AND/OR "BUMP" SIGNS (W8-1) 500 FT IN ADVANCE OF THE UNEVEN AREA, OR AS DIRECTED BY THE ENGINEER.

LANE AND SHOULDER CLOSURE REQUIREMENTS

- G) 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.
- H) 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.
- I) 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.

J) WHEN PERSONNEL AND/OR EQUIPMENT ARE WORKING WITHIN A LANE OF TRAVEL OF AN UNDIVIDED OR DIVIDED FACILITY, CLOSE THE LANE ACCORDING TO THE TRANSPORTATION MANAGEMENT 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.

K) 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.

PAVEMENT EDGE DROP OFF REQUIREMENTS

L) BACKFILL AT A 6:1 SLOPE UP TO THE EDGE AND ELEVATION OF EXISTING PAVEMENT IN AREAS ADJACENT TO AN OPEN 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.

M) DO NOT EXCEED A DIFFERENCE OF 2 INCHES IN ELEVATION BETWEEN OPEN LANES OF TRAFFIC FOR NOMINAL LIFTS OF 1.5 INCHES. INSTALL ADVANCE WARNING "UNEVEN LANES" SIGNS (W8-11) 500 FT IN ADVANCE AND A MINIMUM OF ONCE EVERY HALF MILE THROUGHOUT THE UNEVEN AREA.

TRAFFIC CONTROL DEVICES

N) 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.

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

P) PLACE ADDITIONAL SETS OF THREE CHANNELIZING DEVICES (DRUMS, CONES OR SKINNY DRUMS) PERPENDICULAR TO THE EDGE OF TRAVELWAY ON (500 FT) CENTERS WHEN UNOPENED LANES ARE CLOSED TO TRAFFIC.

PAVEMENT MARKINGS AND MARKERS

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

ROAD NAME	MARKING	MARKER
ALL ROADS	PAINT	NONE

R) 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.

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

T) REMOVE/REPLACE ANY CONFLICTING/DAMAGED PAVEMENT MARKINGS AND MARKERS BY THE END OF EACH DAY'S OPERATION.

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

MISCELLANEOUS

V) USE LAW ENFORCEMENT TO MAINTAIN TRAFFIC THROUGH THE WORK AREA AND OR INTERSECTIONS AS SHOWN IN PLANS OR DIRECTED BY THE ENGINEER.

W) 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.

X) 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.).

Y) MAINTAIN VEHICULAR ACCESS TO ALL DRIVEWAYS DURING THE LIFE OF THE CONTRACT, UNLESS OTHERWISE NOTED IN THE PHASING OR DIRECTED BY THE ENGINEER. USE INCIDENTAL STONE WHEN NECESSARY.

Z) ALL DIMENSIONS AND STATIONS IN THE TRANSPORTATION MANAGEMENT PLAN AND PHASING ARE APPROXIMATE (+/-); FIELD ADJUST AS NECESSARY OR AS DIRECTED BY THE ENGINEER.

AA) CHANGEABLE MESSAGE SIGN MESSAGES SHOWN ARE EXAMPLES. OTHER MESSAGES MAY BE USED AS CONDITIONS WARRANT. ALL MESSAGES AND LOCATIONS MUST BE APPROVED BY THE ENGINEER PRIOR TO INCORPORATING.

BB) COMPLETE ANY PROPOSED OR TEMPORARY WIDENING IN SUCH A MANNER THAT PONDING OF WATER WILL NOT OCCUR IN THE TRAVEL LANE.



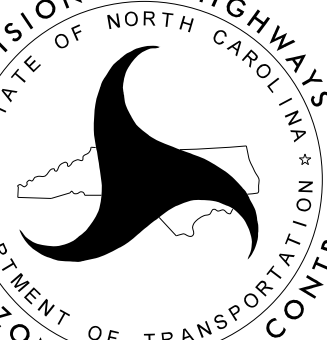
CC) ENSURE THE OVERSIZE/OVERWEIGHT PERMIT UNIT (919) 662-4320 HAS BEEN ADVISED OF THE ONGOING TRAFFIC OPERATIONS THROUGH THE DIVISION OFFICE.

DD) MAINTAIN EXISTING GUARDRAIL UNTIL PROPOSED FILL SLOPES ARE COMPLETED TO THE POINT THAT FIELD CONDITIONS NO LONGER MEET GUARDRAIL WARRANTS AS DIRECTED BY THE ENGINEER.

EE) MAINTAIN ALL EXISTING SIGNING ON PROJECT (WARNING, REGULATORY AND GUIDE SIGNS). WHERE CONSTRUCTION AFFECTS THE LOCATION OF A SIGN, RELOCATE AS NECESSARY, OR INSTALL REPLACEMENT SUCH THAT THE FUNCTION OF THE SIGN IS MAINTAINED AT ALL TIMES. DURING RELOCATION OF STOP SIGNS PROVIDE FLAGGERS WITH "FLAGGER AHEAD" (W20-7a) AND "BE PREPARED TO STOP" (W3-4) SIGNS AS NECESSARY TO MAINTAIN INTERSECTION TRAFFIC.

FF) COORDINATE CONSTRUCTION AND TRAFFIC CONTROL ACTIVITIES WITH THE CONTRACTOR ON THE RIVERBEND SITE DEVELOPMENT MOUNT HOLLY ROAD IMPROVEMENTS PROJECT.

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PHASE I

STEP 1:

PRIOR TO ANY WORK OPERATIONS, INSTALL WORK ZONE ADVANCE WARNING SIGNS ON -L- (BROOKSHIRE BLVD) AND -Y1-/-Y2- (MT. HOLLY-HUNTERSVILLE RD) PER ROADWAY STANDARD DRAWING 1101.01, SHEET 3 OF 3.

STEP 2: (TMP-4,4A,4B)

WORKING IN THE MEDIAN AWAY FROM TRAFFIC AND/OR USING TEMPORARY LANE CLOSURES PER ROADWAY STANDARD DRAWING 1101.02, SHEET 3 OF 14 PERFORM THE FOLLOWING:

- CONSTRUCT -L- (BROOKSHIRE BLVD) MEDIAN WIDENING UP TO THE EDGE AND ELEVATION OF EXISTING PAVEMENT:
BEGIN CONSTRUCTION STA. 16+15 TO 33+94±
STA. 35+33± TO 47+93±
- BEGIN CONSTRUCTION OF -Y3- (ACCESS D):
STA. 10+00 TO 14+50
- INSTALL TEMPORARY SIGNAL FOR THE INTERSECTION OF -L- (BROOKSHIRE BLVD)/ -Y1-/-Y2- (MT. HOLLY-HUNTERSVILLE RD) [10-0850T1] TO BE ACTIVATED IN PHASE II.
- BEGIN INSTALLATION OF TEMPORARY SIGNALS FOR THE EAST AND WEST CROSS-OVER INTERSECTIONS [10-2272T1 AND 10-2271T1] TO BE ACTIVATED IN PHASE III.
- CONSTRUCT MULTIUSE PATH IN NORTHEAST QUADRANT OF -L- (BROOKSHIRE BLVD) AT -Y1-/-Y2- (MT. HOLLY-HUNTERSVILLE RD). CONSTRUCT TEMPORARY WHEELCHAIR RAMP CONNECTING PROPOSED MULTI-USE PATH TO EXISTING ROADWAY.
- CONSTRUCT TEMPORARY ASPHALT PAD IN EASTERN MEDIAN ISLAND FOR FUTURE PEDESTRIAN CROSSING.

STEP 3:

- COMPLETE CONSTRUCTION OF -Y3- (ACCESS D), INSTALL PAVEMENT MARKINGS ALONG -Y3- (ACCESS D) AND OPEN -Y3- (ACCESS D) TO TRAFFIC. (SEE SHEET TMP-5B)

PHASE II

STEP 1: (TMP-5,5A,5B)

WORKING AWAY FROM TRAFFIC AND/OR USING TEMPORARY LANE CLOSURES PER ROADWAY STANDARD DRAWING 1101.02, SHEET 3 OF 14, PERFORM THE FOLLOWING:

- INSTALL TEMPORARY CROSSWALKS AT INTERSECTION OF -L- (BROOKSHIRE BLVD) AND -Y1-/-Y2- (MT. HOLLY-HUNTERSVILLE RD) IN PHASE II PATTERN. (SEE TMP-5A)
- PLACE TEMPORARY PAVEMENT MARKINGS IN PHASE II PATTERN, AND SHIFT -L- (BROOKSHIRE BLVD) TRAFFIC TO NEWLY CONSTRUCTED INSIDE LANES. ACTIVATE TEMPORARY SIGNAL [10-0850T1] AT INTERSECTION OF -L- (BROOKSHIRE BLVD) AND -Y1-/-Y2- (MT. HOLLY-HUNTERSVILLE RD).
- OPEN PROPOSED MULTI-USE PATH IN NORTHEAST QUADRANT AND CLOSE EXISTING LEG OF CROSSWALK FROM NORTHWEST QUADRANT TO MEDIAN OF -L- (BROOKSHIRE BLVD).

STEP 2: (TMP-5,5A,5B)

WORKING AWAY FROM TRAFFIC AND/OR USING TEMPORARY LANE CLOSURES PER ROADWAY STANDARD DRAWING 1101.02, SHEET 3 OF 14, PERFORM THE FOLLOWING:

- BEGIN CONSTRUCTION OF -L- OUTSIDE WIDENING IN NORTHWEST QUADRANT (-L- STA. 25+84± TO -L- STA. 34+13±) AND SOUTHEAST QUADRANT (-L- STA. 35+32± TO -L- STA. 42+16±) OF -L- (BROOKSHIRE BLVD) AT -Y1-/-Y2- (MT. HOLLY-HUNTERSVILLE RD) INTERSECTION, CONSTRUCTING UP TO THE EDGE AND ELEVATION OF EXISTING PAVEMENT. BEGIN CONSTRUCTION OF MONOLITHIC CONCRETE ISLANDS.
- BEGIN CONSTRUCTION OF MULTI-USE PATHS IN NORTHWEST AND SOUTHEAST QUADRANTS OF INTERSECTION AT -L- (BROOKSHIRE BLVD) AT -Y1-/-Y2- (MT. HOLLY-HUNTERSVILLE RD).

PHASE III

STEP 1: (TMP-6,6A,6B)

UPON COMPLETION OF CONSTRUCTION OF THE EAST CROSS-OVER RIGHT TURN LANES AND WEST CROSS-OVER RIGHT TURN LANES, WORKING AWAY FROM TRAFFIC AND/OR USING TEMPORARY LANE CLOSURES PER ROADWAY STANDARD DRAWING 1101.02, SHEET 3 OF 14, PERFORM THE FOLLOWING:


- PLACE RIGHT TURN LANE TEMPORARY PAVEMENT MARKINGS IN FINAL PATTERN, ACTIVATE TEMPORARY SIGNALS AT EAST CROSS-OVER [10-2272T1] AND WEST CROSS-OVER [10-2271T1] INTERSECTIONS. OPEN WEST CROSS-OVER RIGHT TURN LANE TO -Y1- RIGHT TURN TRAFFIC AND EAST CROSS-OVER RIGHT TURN LANES TO -Y2- RIGHT TURN TRAFFIC. CLOSE EXISTING RIGHT TURN LANES ON -Y1-/-Y2- (MT. HOLLY-HUNTERSVILLE RD).
- COMPLETE CONSTRUCTION OF MULTI-USE PATHS IN NORTHWEST AND SOUTHEAST QUADRANTS OF -L- (BROOKSHIRE BLVD) AT -Y1-/-Y2- (MT. HOLLY-HUNTERSVILLE RD) INTERSECTION.
- REMOVE EXISTING CONCRETE MEDIANS AND CONSTRUCT MEDIAN MONOLITHIC ISLANDS ALONG -Y1- AND -Y2- (MT. HOLLY-HUNTERSVILLE RD).
- WEDGE -Y1- (MT. HOLLY-HUNTERSVILLE RD) UP TO BUT NOT INCLUDING FINAL LAYER OF SURFACE COURSE.
- MILL AND OVERLAY -Y2- (MT. HOLLY-HUNTERSVILLE RD) UP TO BUT NOT INCLUDING FINAL LAYER OF SURFACE COURSE.
- PLACE TEMPORARY PAVEMENT MARKINGS IN THE PHASE III PATTERN AT THE END OF EACH LANE CLOSURE OPERATION, PRIOR TO OPENING -Y1- AND -Y2- TO TRAFFIC.
- COMPLETE CONSTRUCTION OF LEFT TURN LANES AT EAST AND WEST CROSS-OVER INTERSECTIONS.

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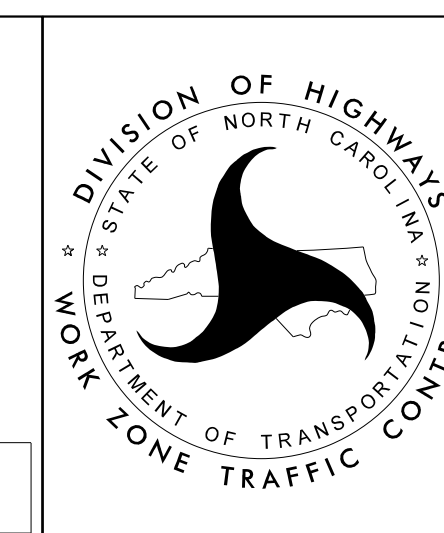
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PHASING

PHASE IV

STEP 1: (TMP-7,7A,7B)

UPON COMPLETION OF LEFT TURN LANES AT EAST AND WEST CROSS-OVER INTERSECTIONS, WORKING AWAY FROM TRAFFIC OR USING TEMPORARY LANE CLOSURES PER ROADWAY STANDARD DRAWING 1101.02, SHEET 3 OF 14 PERFORM THE FOLLOWING:

- INSTALL TEMPORARY PAVEMENT MARKINGS IN FINAL PATTERN FOR THE LEFT TURN LANES AT THE EAST AND WEST CROSS-OVER INTERSECTIONS.
- INSTALL TEMPORARY SIGNING FOR EAST AND WEST LEFT TURN CROSS-OVER INTERSECTIONS (SEE TEMPORARY SIGNING PLAN).
- ACTIVATE TEMPORARY SIGNALS FOR EAST CROSS-OVER [10-2272T2] AND WEST CROSS-OVER [10-2271T2] AND OPEN LEFT-TURN LANES AT EAST AND WEST CROSSOVER INTERSECTIONS TO TRAFFIC.
- CLOSE EXISTING -L- (BROOKSHIRE BLVD) NORTHBOUND AND SOUTHBOUND LEFT TURN LANES AT -L- (BROOKSHIRE BLVD)/-Y2- (MT. HOLLY-HUNTERSVILLE RD) INTERSECTION, INSTALL PAVEMENT MARKINGS FOR PEDESTRIAN CROSSING FROM NORTHWEST QUADRANT TO MEDIAN OF -L- (BROOKSHIRE BLVD).
- ACTIVATE TEMPORARY SIGNAL [10-0850T3] AT -L- (BROOKSHIRE BLVD) AND -Y1-/-Y2- (MT. HOLLY-HUNTERSVILLE RD) INTERSECTION.
- CLOSE PEDESTRIAN CROSSING FROM NORTHEAST QUADRANT TO MEDIAN AND FROM MEDIAN TO MEDIAN AT -L- (BROOKSHIRE BLVD) AND -Y1-/-Y2- (MT. HOLLY-HUNTERSVILLE RD) INTERSECTION.

WORKING AWAY FROM TRAFFIC OR USING TEMPORARY LANE CLOSURES PER ROADWAY STANDARD DRAWING 1101.02, SHEET 3 OF 14 PERFORM THE FOLLOWING:

- COMPLETE MEDIAN WIDENING AND MEDIAN CONCRETE ISLANDS ALONG NORTHBOUND -L- (BROOKSHIRE BLVD).
- COMPLETE CONSTRUCTION OF OUTSIDE WIDENING ALONG NORTHBOUND -L- (BROOKSHIRE BLVD), INCLUDING PLACING PROPOSED GUARDRAIL.

STEP 2: (TMP-8,8A,8B)

UPON COMPLETION OF THE MEDIAN AND OUTSIDE WIDENING ALONG NORTHBOUND -L- (BROOKSHIRE BLVD.), WORKING AWAY FROM TRAFFIC OR USING TEMPORARY LANE CLOSURES PER ROADWAY STANDARD DRAWING 1101.02 SHEET 3 OF 14, PERFORM THE FOLLOWING:

- PLACE TEMPORARY PAVEMENT MARKINGS IN THE FINAL PAVEMENT MARKING PATTERN, SEE PAVEMENT MARKING PLAN, ALONG NORTHBOUND -L- (BROOKSHIRE BLVD).
- ACTIVATE TEMPORARY TRAFFIC SIGNAL AT -L- (BROOKSHIRE BLVD) AND -Y1-/-Y2- (MT. HOLLY-HUNTERSVILLE RD) [10-0850T4], ACTIVATE FINAL TRAFFIC SIGNAL AT EAST CROSSOVER LOCATION [10-2272], AND SWITCH TRAFFIC NORTHBOUND -L- (BROOKSHIRE BLVD) TO FINAL TRAFFIC PATTERN.
- CLOSE RIGHT MOST THRU LANE ON NORTHBOUND -L- (BROOKSHIRE BLVD). (TMP-8A,8B)

USING TEMPORARY LANE CLOSURES PER ROADWAY STANDARD DRAWING 1101.02, SHEET 3 OF 14 PERFORM THE FOLLOWING:

- CONSTRUCT NORTHBOUND -L- (BROOKSHIRE BLVD) RIGHT-TURN CHANNELIZING CONCRETE ISLAND.

STEP 3:

- REMOVE LANE CLOSURE AND OPEN ALL NORTHBOUND LANES TO THE FINAL PATTERN.
- INSTALL TEMPORARY CROSSWALK PAVEMENT MARKINGS IN FINAL LOCATION (SEE TMP-9A) OPEN PEDESTRIAN CROSSING FROM NORTHEAST QUADRANT TO SOUTHEAST QUADRANT OF -L- (BROOKSHIRE BLVD) AND -Y1-/-Y2- (MT. HOLLY-HUNTERSVILLE RD) INTERSECTION.
- ACTIVATE TEMPORARY TRAFFIC SIGNAL [10-0850T5] AND CLOSE PEDESTRIAN CROSSING FROM NORTHWEST TO SOUTHWEST QUADRANTS OF -L- (BROOKSHIRE BLVD) AND -Y1-/-Y2- (MT. HOLLY-HUNTERSVILLE RD) INTERSECTION.

PHASE V

STEP 1: (TMP-9,9A,9B)

WORKING AWAY FROM TRAFFIC OR USING TEMPORARY LANE CLOSURES PER ROADWAY STANDARD DRAWING 1101.02, SHEET 3 OF 14 PERFORM THE FOLLOWING:

- COMPLETE MEDIAN WIDENING AND MEDIAN CONCRETE ISLANDS ALONG SOUTHBOUND -L- (BROOKSHIRE BLVD).
- COMPLETE CONSTRUCTION OF OUTSIDE WIDENING ALONG SOUTHBOUND -L- (BROOKSHIRE BLVD), INCLUDING PLACING PROPOSED GUARDRAIL.

STEP 2: (TMP-10,10A,10B)

UPON COMPLETION OF THE MEDIAN AND OUTSIDE WIDENING ALONG SOUTHBOUND -L- (BROOKSHIRE BLVD), WORKING AWAY FROM TRAFFIC OR USING TEMPORARY LANE CLOSURES PER ROADWAY STANDARD DRAWING 1101.02 SHEET 3 OF 14, PERFORM THE FOLLOWING:

- PLACE TEMPORARY PAVEMENT MARKINGS IN THE FINAL PAVEMENT MARKING PATTERN, SEE PAVEMENT MARKING PLAN ALONG SOUTHBOUND -L- (BROOKSHIRE BLVD).
- MODIFY TEMPORARY TRAFFIC SIGNAL AT -L- (BROOKSHIRE BLVD) AND -Y1-/-Y2- (MT. HOLLY-HUNTERSVILLE RD) [10-0850T6], ACTIVATE FINAL TRAFFIC SIGNAL AT WEST CROSSOVER LOCATION [10-2271], AND SWITCH SOUTHBOUND -L- (BROOKSHIRE BLVD) TRAFFIC TO FINAL TRAFFIC PATTERN.
- CLOSE RIGHT MOST THRU LANE ON SOUTHBOUND -L- (BROOKSHIRE BLVD) (TMP-10A,10B).

USING TEMPORARY LANE CLOSURES PER ROADWAY STANDARD DRAWING 1101.02, SHEET 3 OF 14 PERFORM THE FOLLOWING:

- CONSTRUCT SOUTHBOUND -L- (BROOKSHIRE BLVD.) RIGHT-TURN CHANNELIZING CONCRETE ISLAND.
- INSTALL REMAINING SIGNAL DEVICES AND ACTIVATE FINAL TRAFFIC SIGNAL AT -L- (BROOKSHIRE BLVD) AND -Y1-/-Y2- (MT. HOLLY-HUNTERSVILLE RD)[10-0850].

STEP 3:

UPON COMPLETION OF SOUTHBOUND -L- (BROOKSHIRE BLVD) CHANNELIZING RIGHT TURN ISLANDS:

- REMOVE LANE CLOSURE AND OPEN ALL SOUTHBOUND LANES TO FINAL PATTERN.

USING TEMPORARY LANE CLOSURES PER ROADWAY STANDARD DRAWING 1101.02, SHEET 3 OF 14 PERFORM THE FOLLOWING:

- PLACE FINAL LAYER OF PAVEMENT AND FINAL PAVEMENT MARKINGS PER THE PAVEMENT MARKING PLAN.

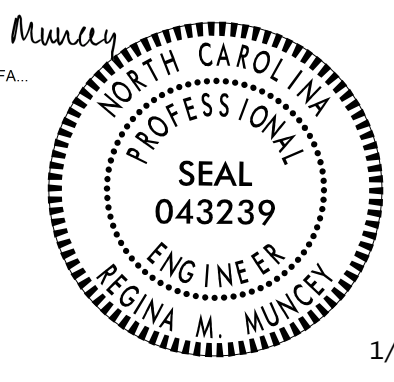
REMOVE ALL DEVICES AND OPEN ALL LANES AND PEDESTRIAN CROSSINGS TO FINAL PATTERN.

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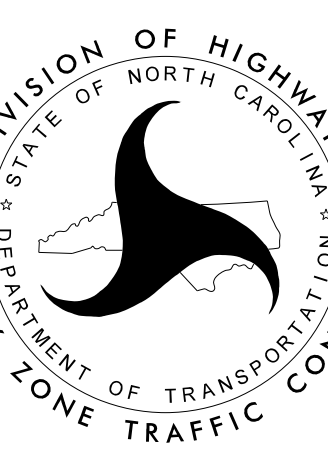
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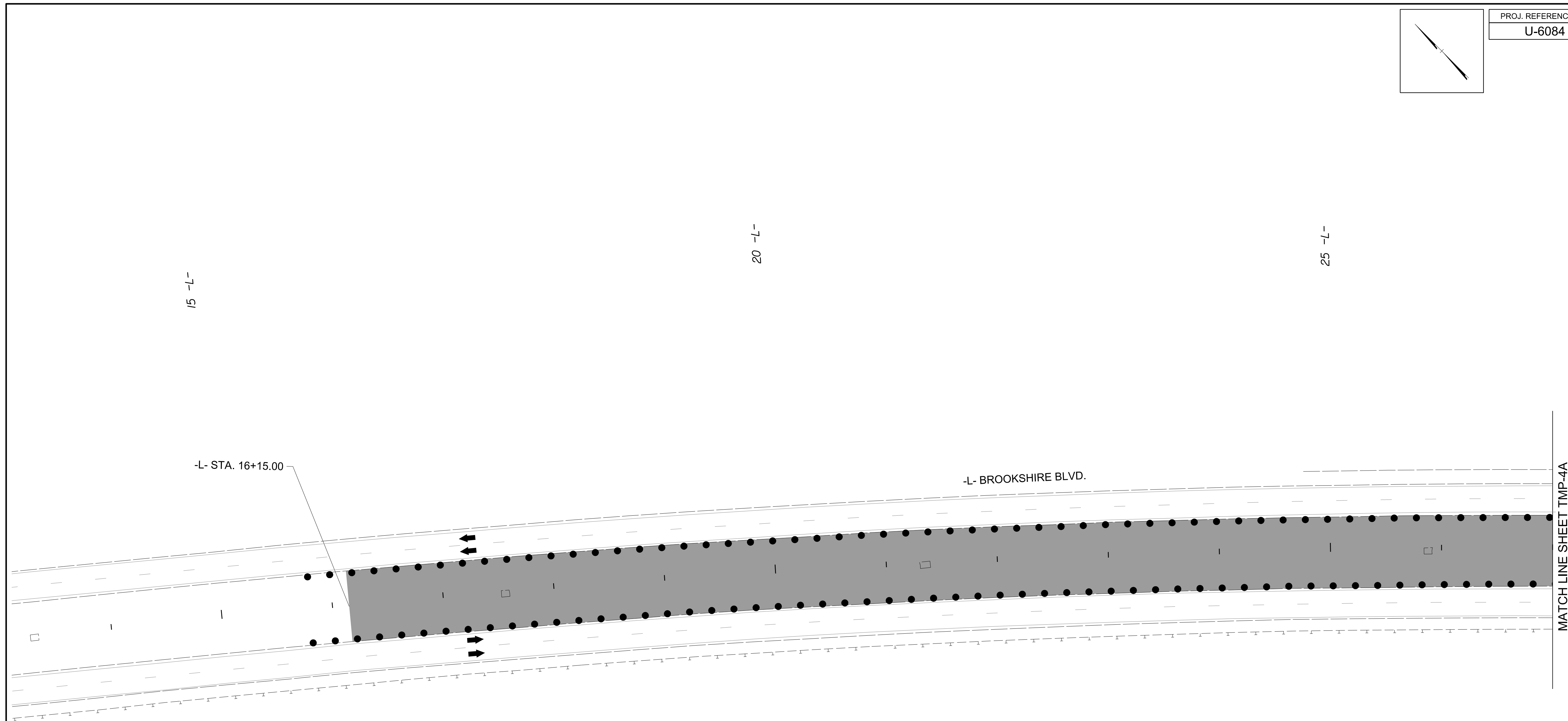
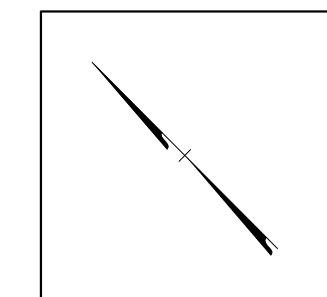
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DIVISION OF HIGHWAYS
DEPARTMENT OF TRANSPORTATION
WORK ZONE TRAFFIC CONTROL

PHASING

PROJ. REFERENCE NO.	SHEET NO.
U-6084	TMP-4



-L- STA. 16+15.00

-L- BROOKSHIRE BLVD.

MATCH LINE SHEET TMP-4A
-L- STA. 27+00

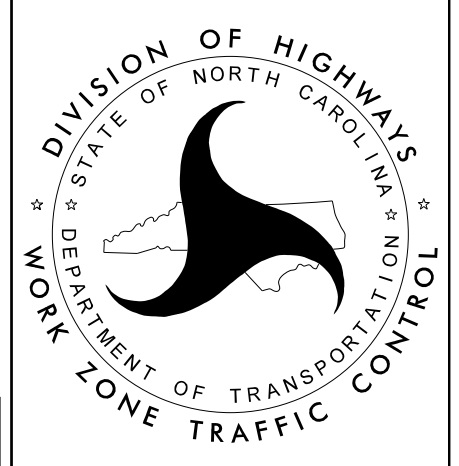
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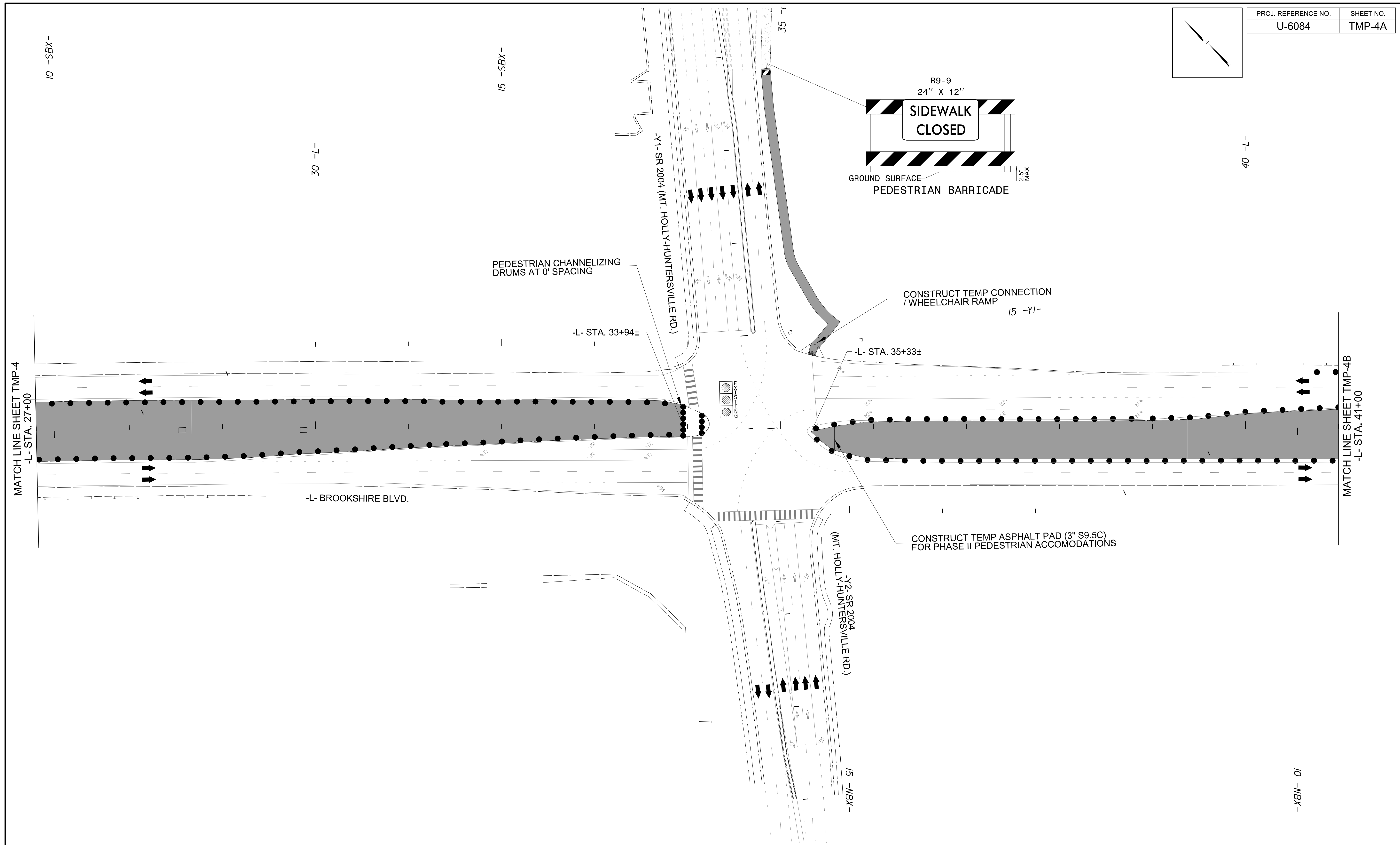
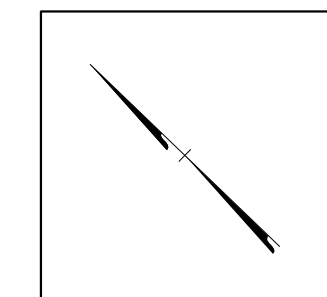
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**-L- (BROOKSHIRE BLVD.)
PHASE I**


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U-6084	TMP-4A



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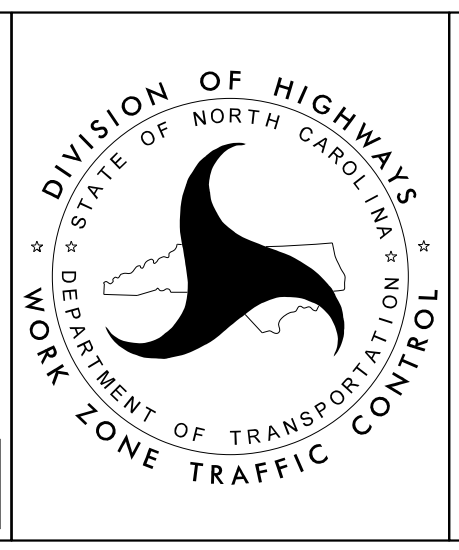

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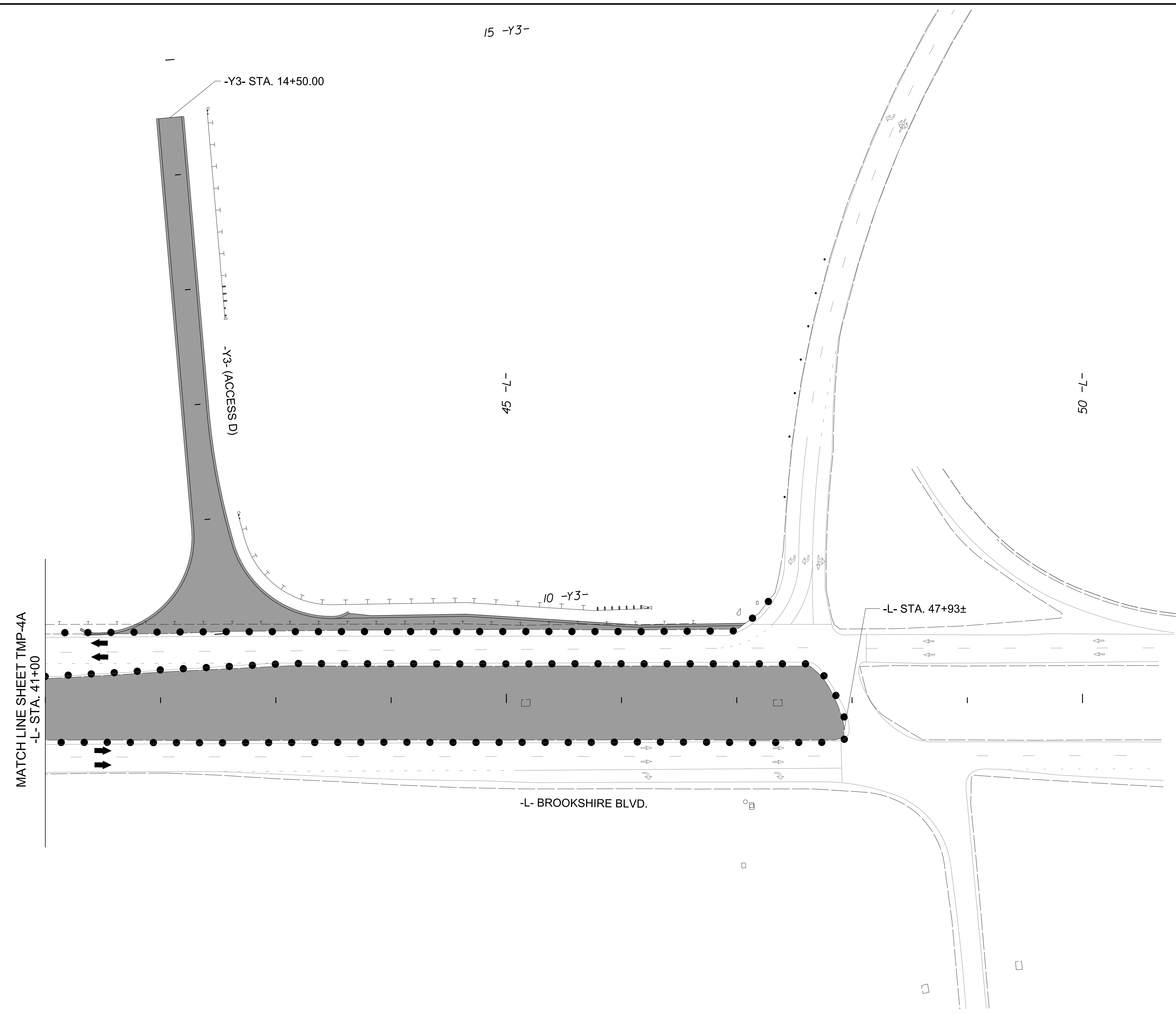
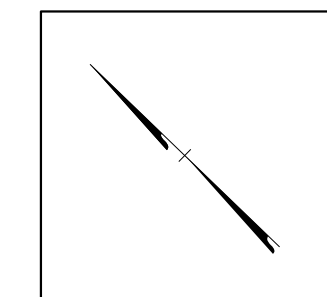
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-L- (BROOKSHIRE BLVD.)
 PHASE I

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U-6084	TMP-4B



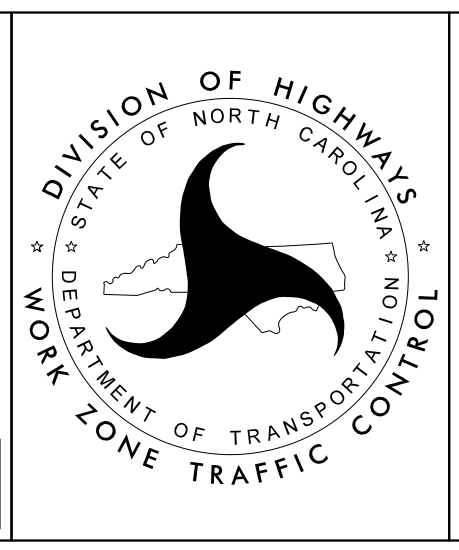
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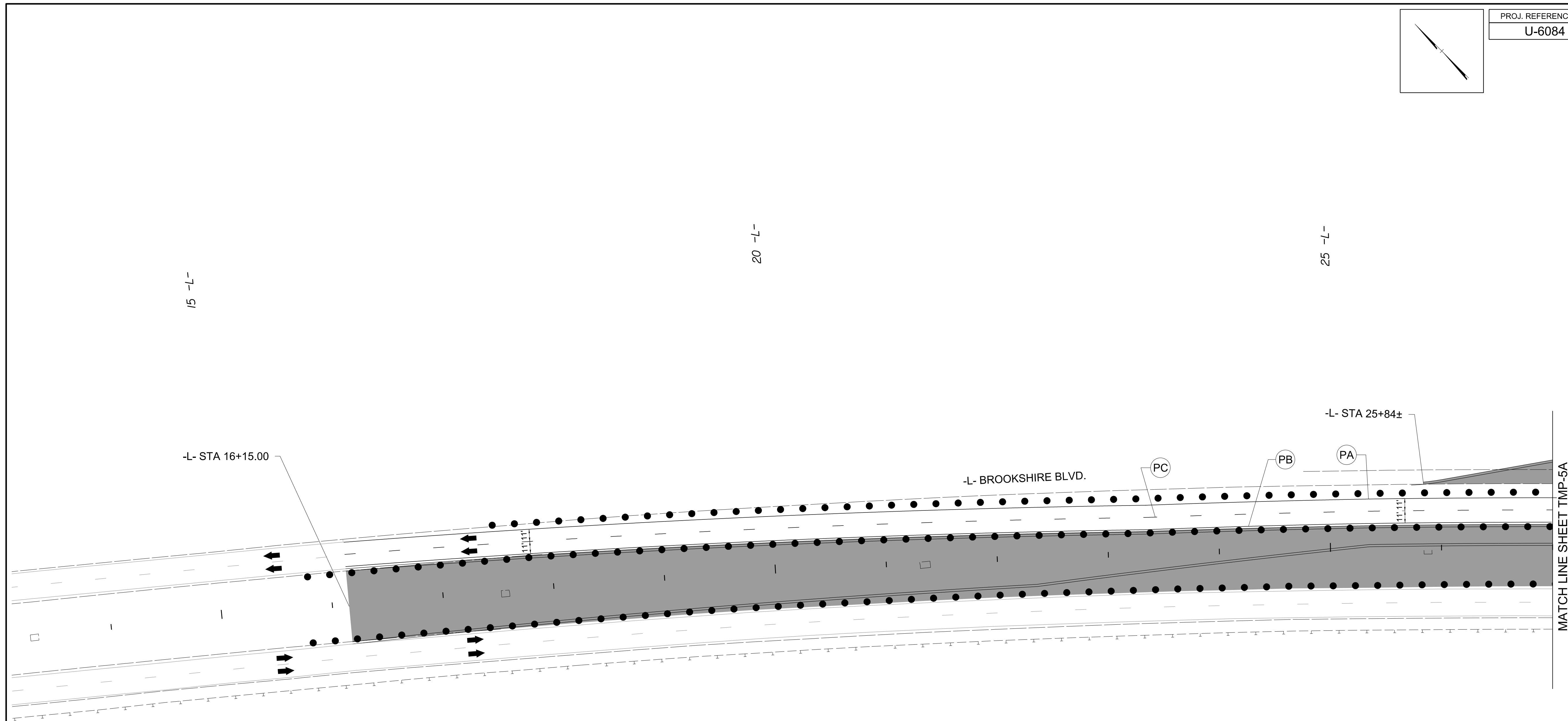
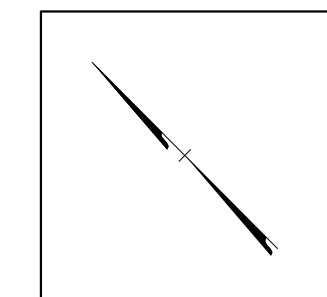
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**-L- (BROOKSHIRE BLVD.)
 PHASE I**

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U-6084	TMP-5



TEMPORARY PAINT MARKING
IN FINAL MARKING PATTERN
EXCEPT WHERE SCHEDULED.
SEE PAVEMENT MARKING PLAN.

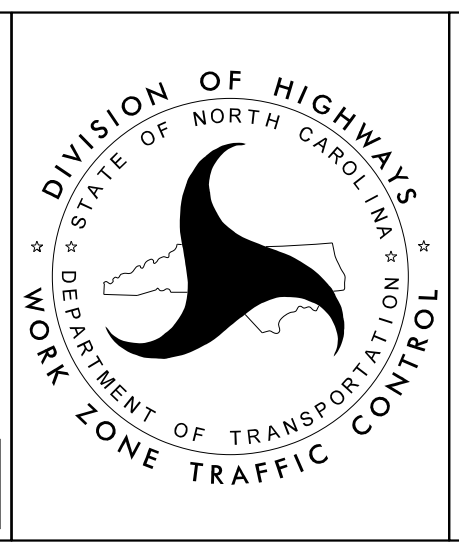
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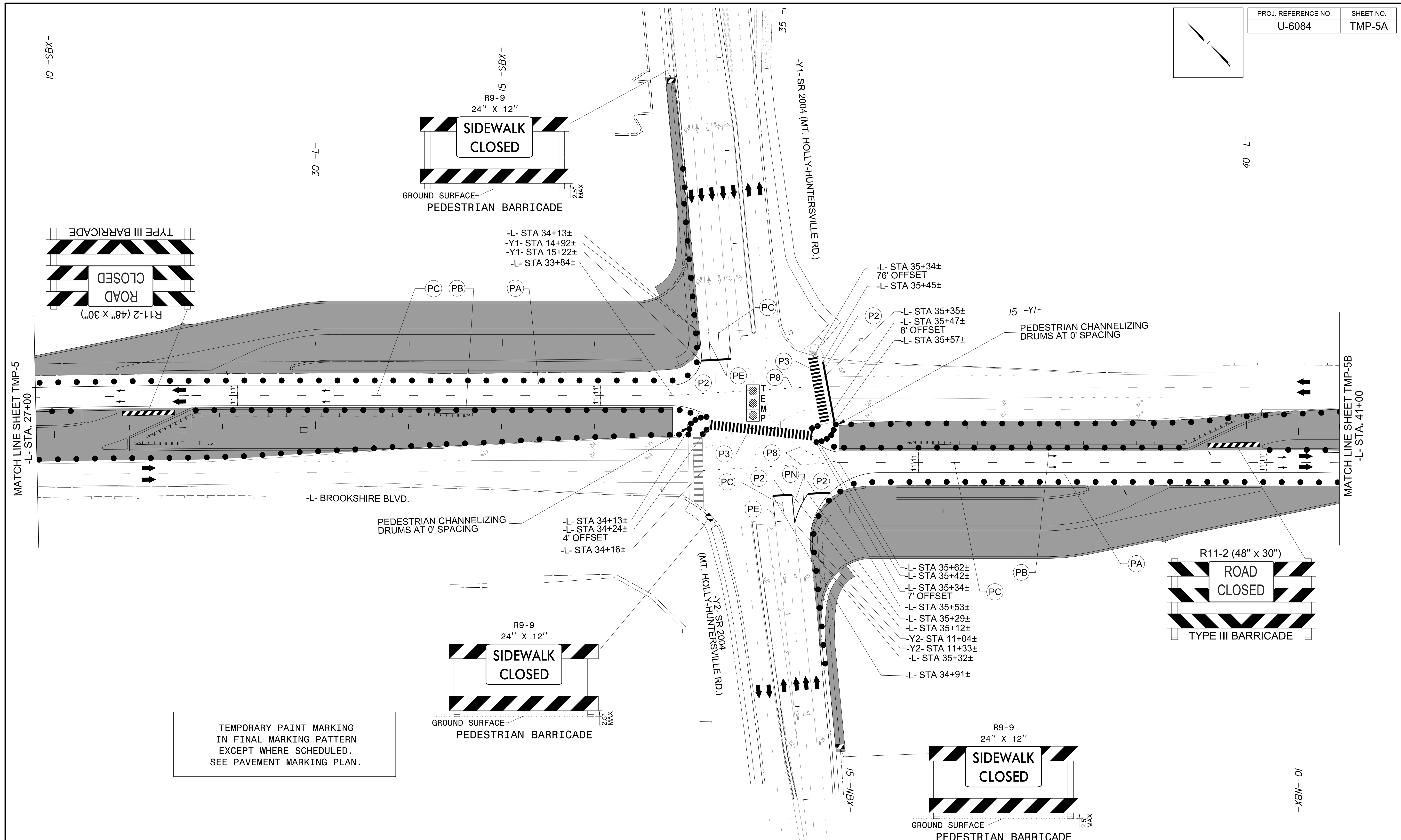
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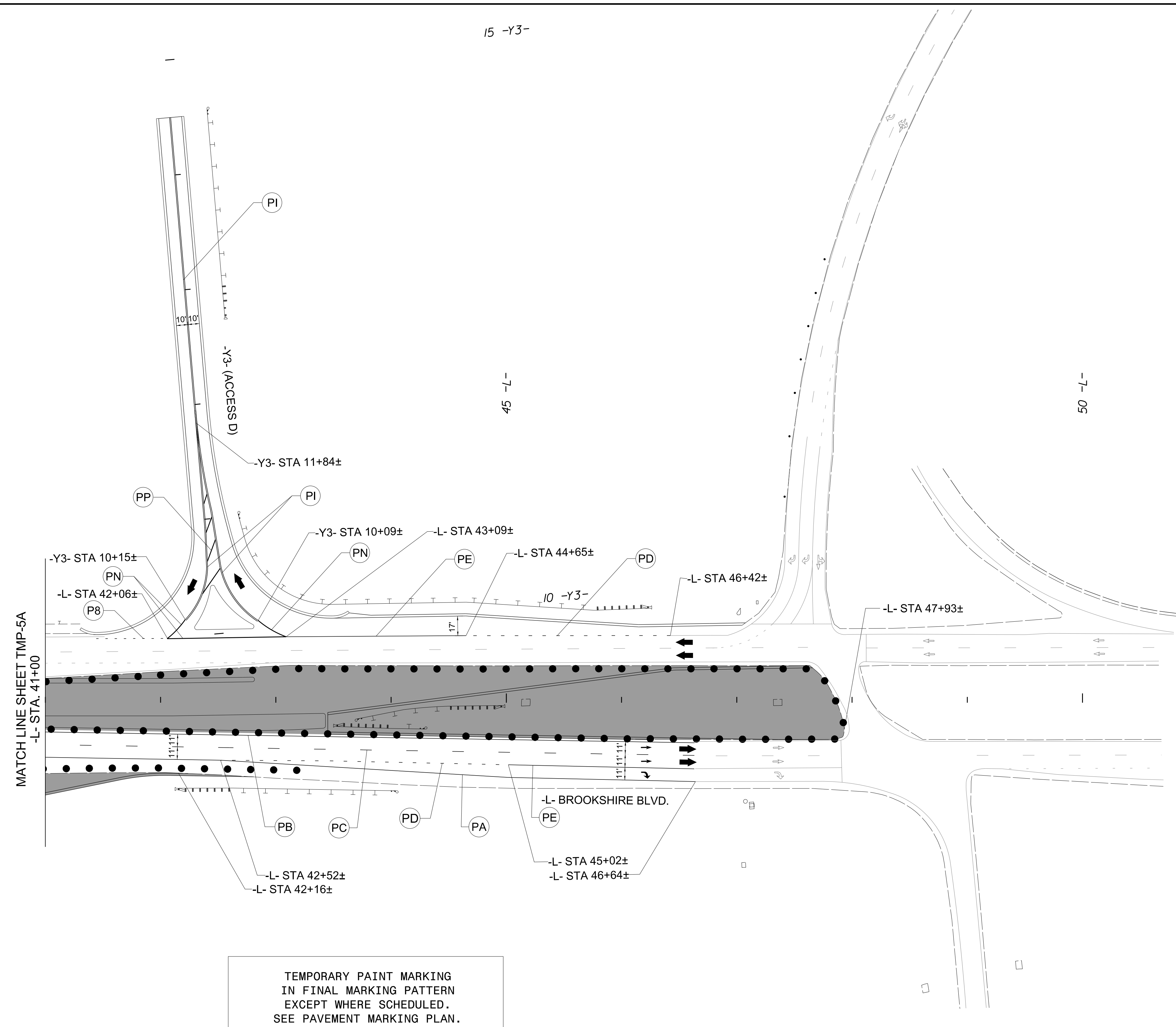
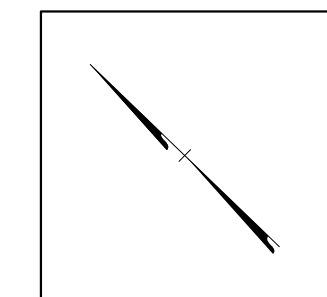
**-L- (BROOKSHIRE BLVD.)
PHASE II**



TEMPORARY PAINT MARKING
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TEMPORARY PAINT MARKING
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SEE PAVEMENT MARKING PLAN.

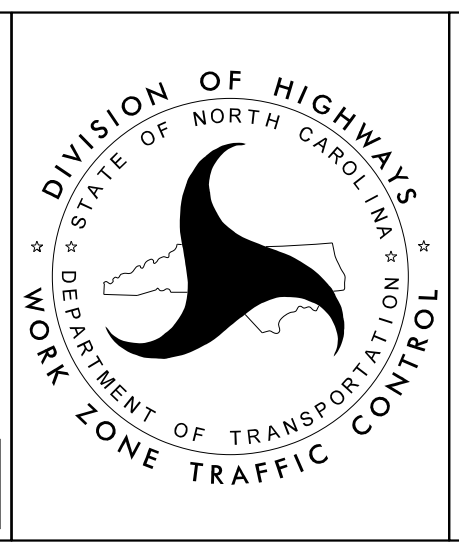
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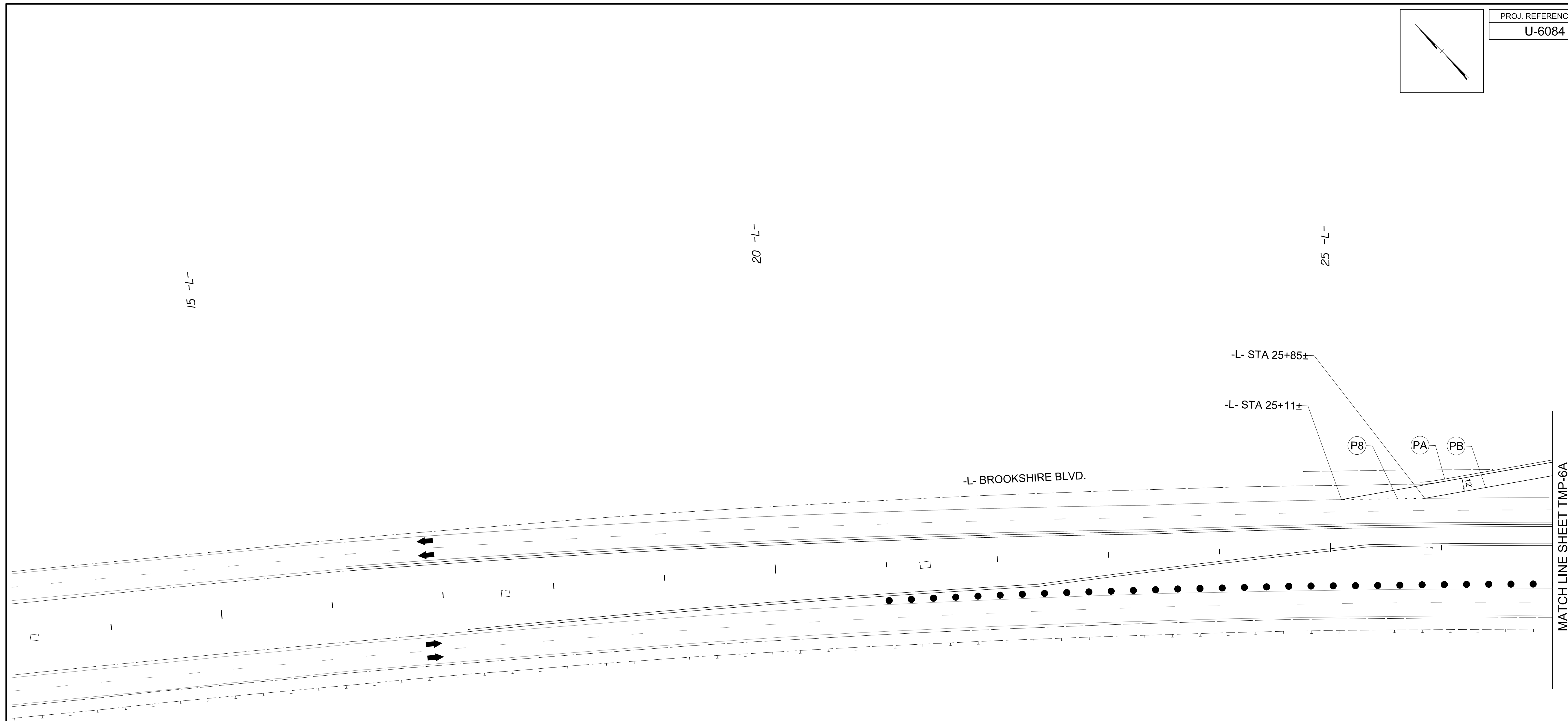
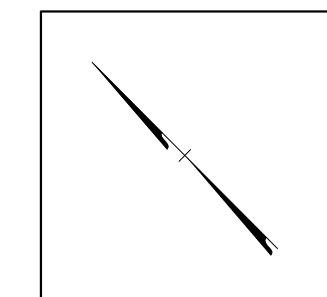
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**-L- (BROOKSHIRE BLVD.)
PHASE II**

PROJ. REFERENCE NO.	SHEET NO.
U-6084	TMP-6



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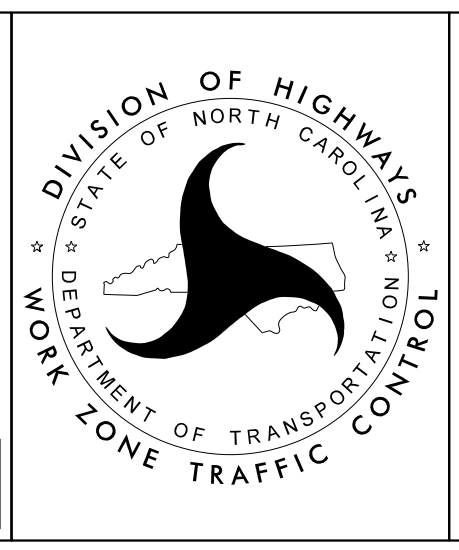
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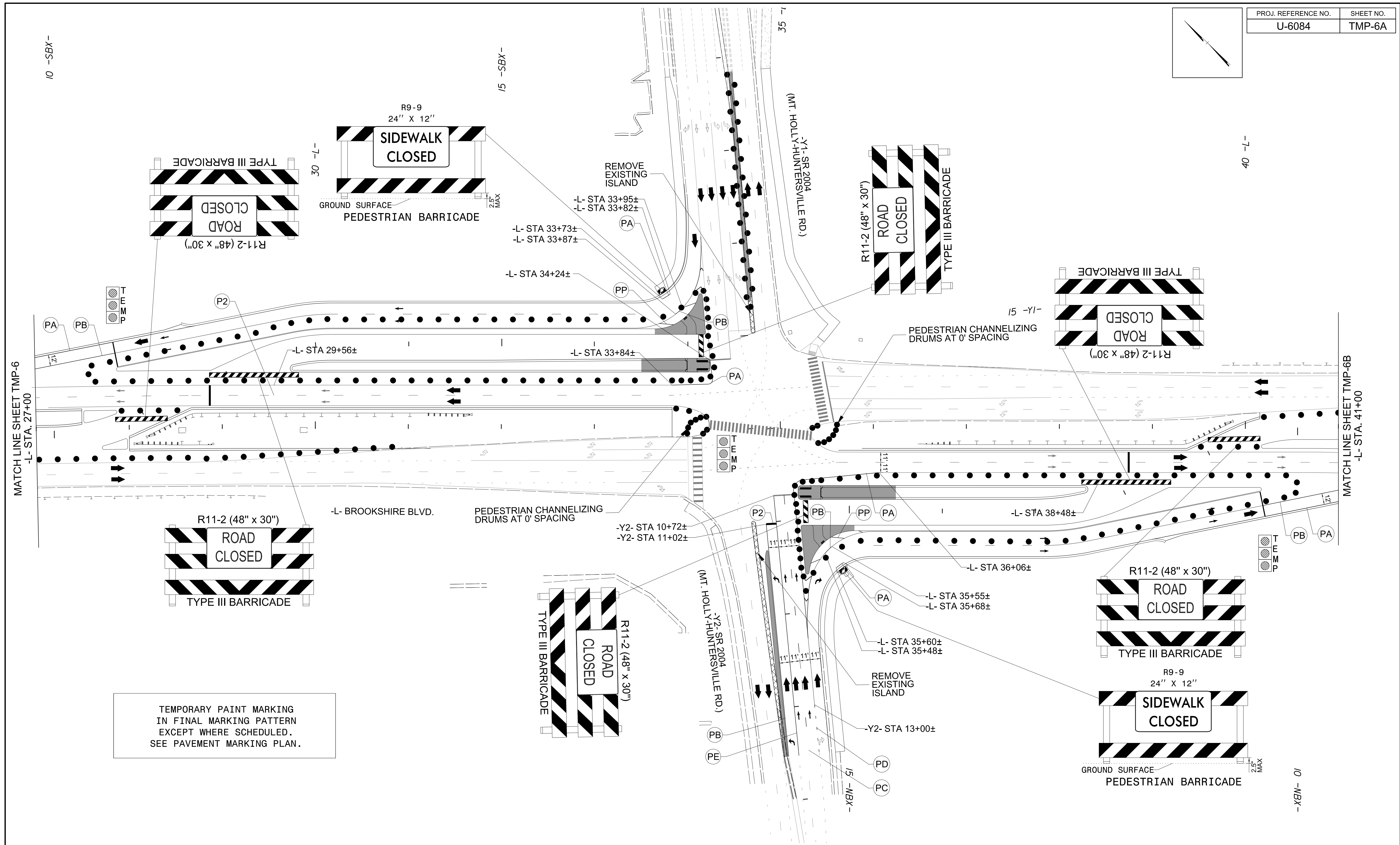
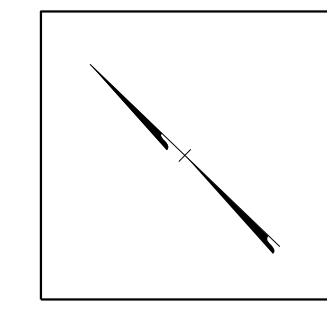
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**-L- (BROOKSHIRE BLVD.)
PHASE III**

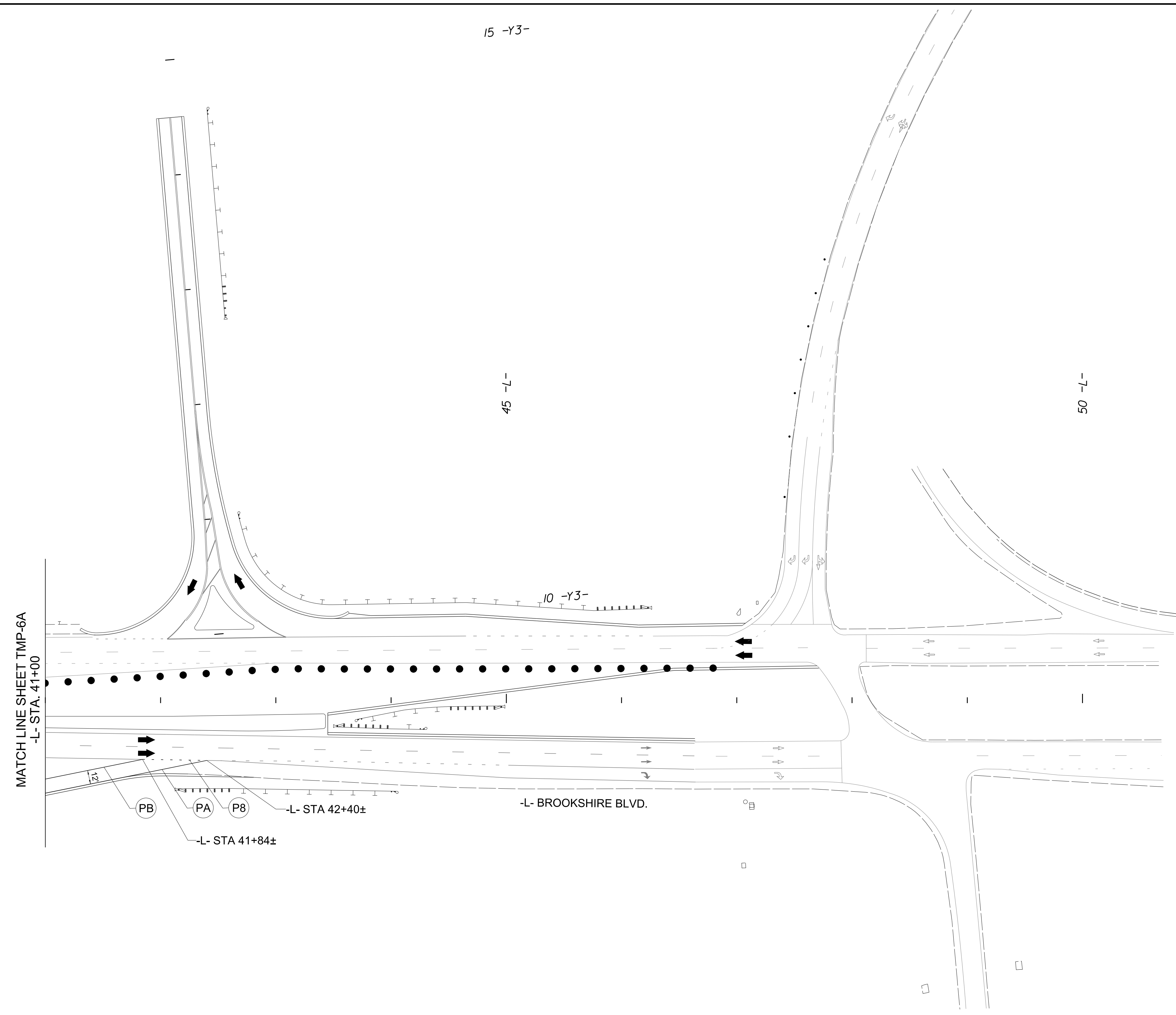
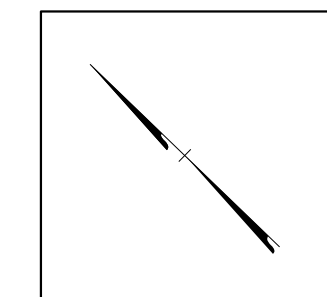


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PROJ. REFERENCE NO.	SHEET NO.
U-6084	TMP-6B



MATCH LINE SHEET TMP-6A
-L- STA. 41+00

(PB) (PA) (P8)
-L- STA 41+84±
-L- STA 42+40±

-L- BROOKSHIRE BLVD.

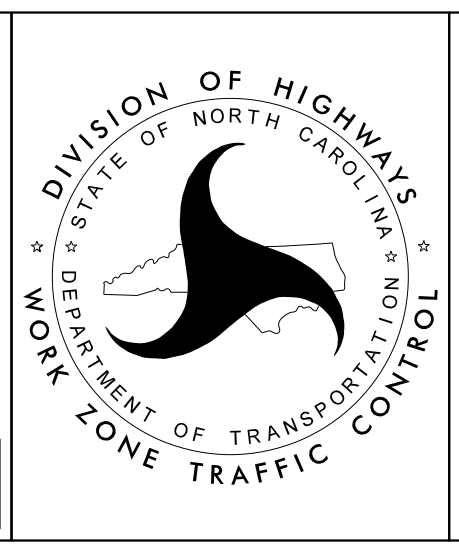
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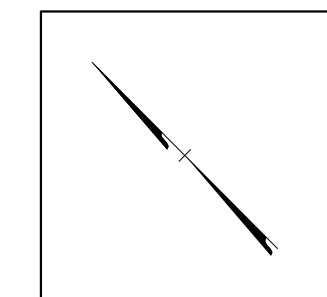
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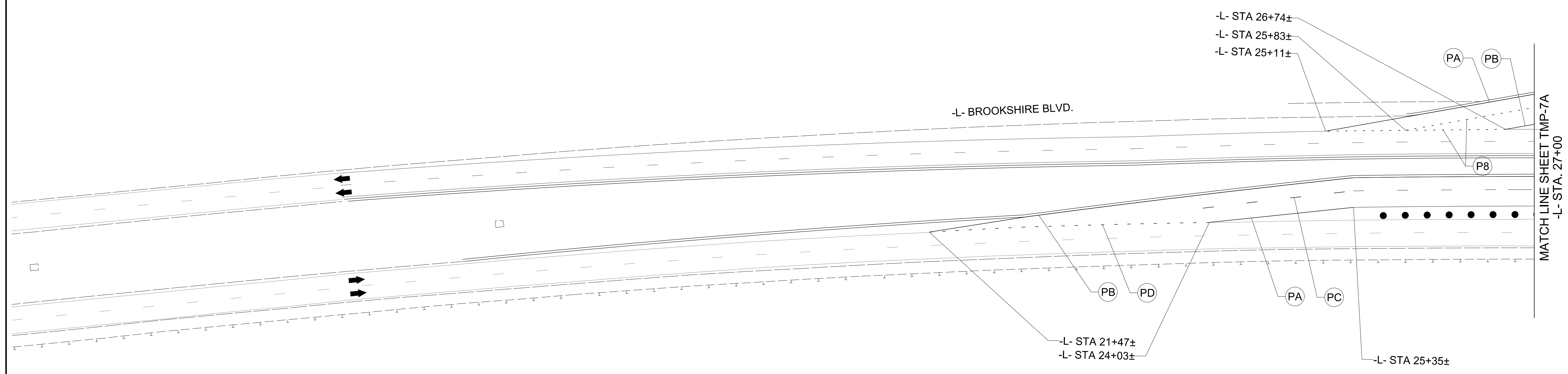
-L- (BROOKSHIRE BLVD.)
PHASE III

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PROJ. REFERENCE NO.	SHEET NO.
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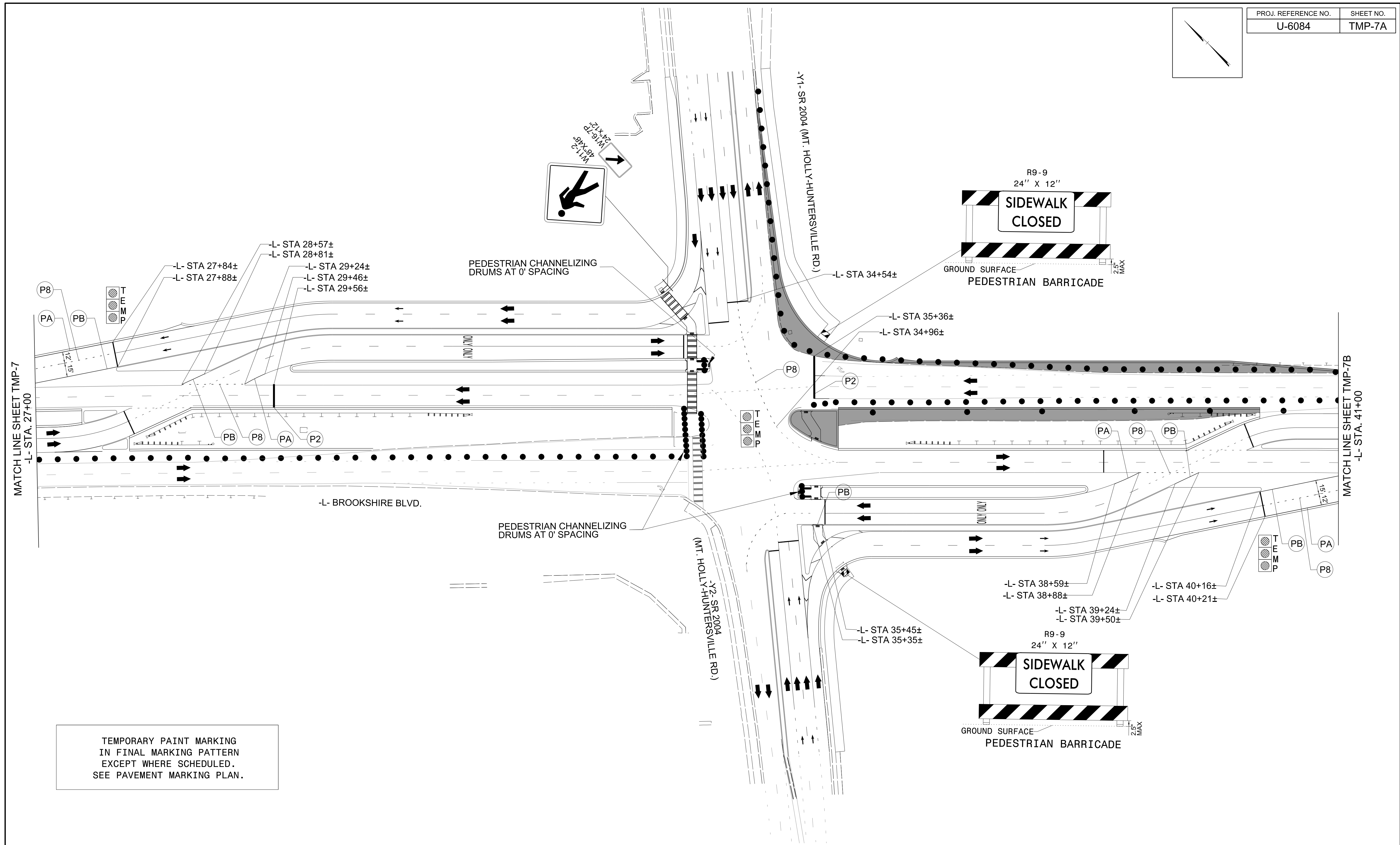
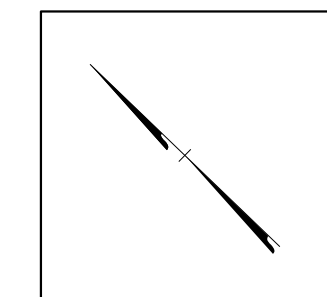
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TEMPORARY PAINT MARKING
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SEE PAVEMENT MARKING PLAN.

SEE TEMPORARY SIGNING PLAN
FOR TEMPORARY SIGNS.

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TEMPORARY PAINT MARKING
IN FINAL MARKING PATTERN
EXCEPT WHERE SCHEDULED.
SEE PAVEMENT MARKING PLAN.

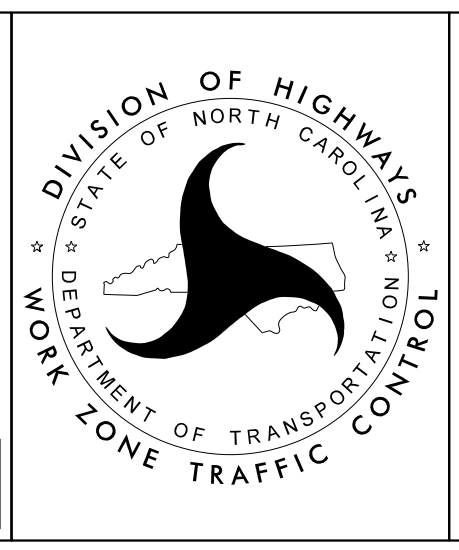
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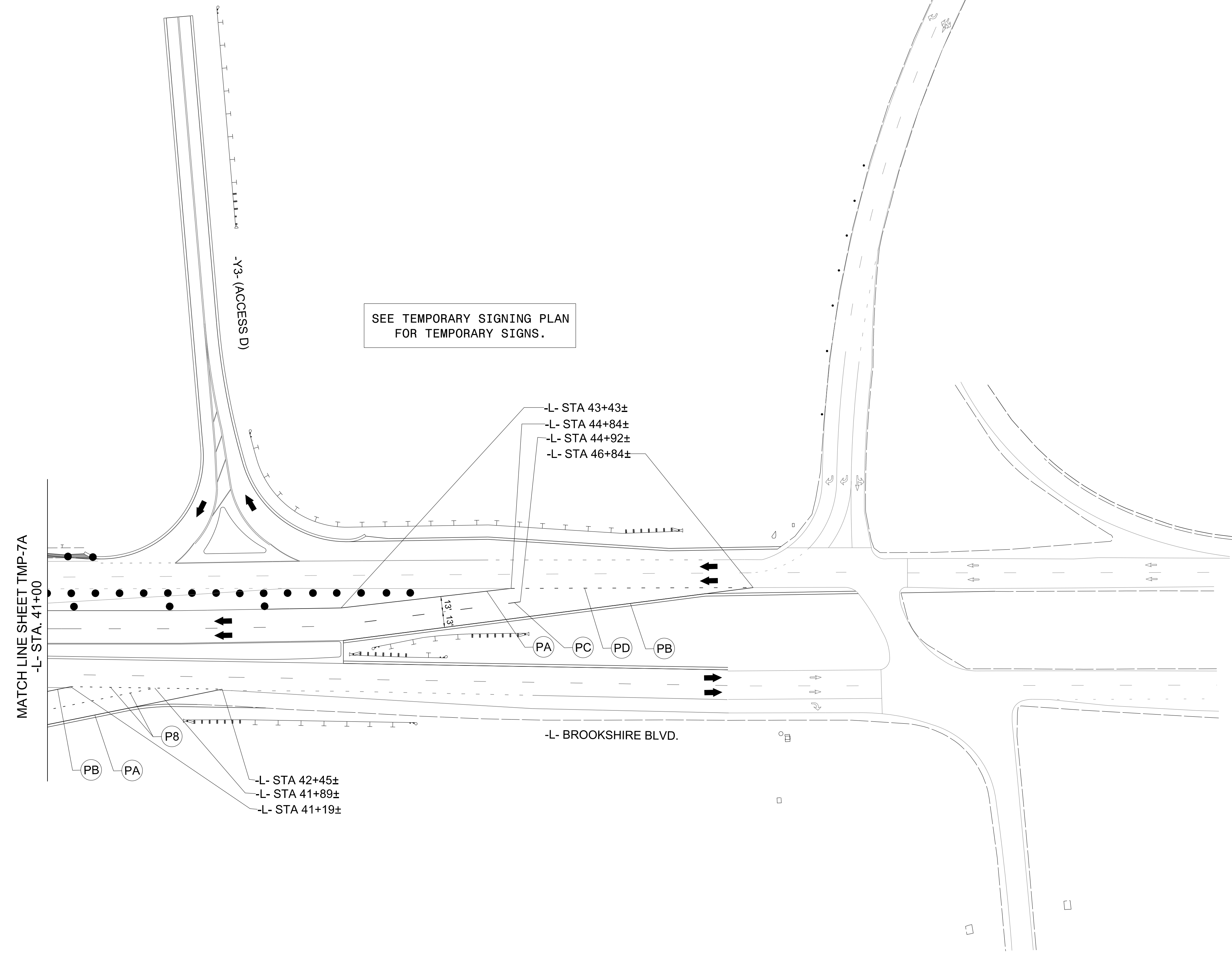
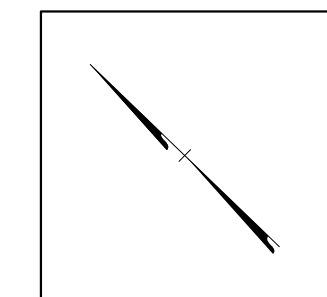
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**-L- (BROOKSHIRE BLVD.)
PHASE IV
STEP 1**



SEE TEMPORARY SIGNING PLAN
FOR TEMPORARY SIGNS.

MATCH LINE SHEET TMP-7A
-L- STA. 41+00

-L- STA 42+45±
-L- STA 41+89±
-L- STA 41+19±

-L- BROOKSHIRE BLVD.

TEMPORARY PAINT MARKING
IN FINAL MARKING PATTERN
EXCEPT WHERE SCHEDULED.
SEE PAVEMENT MARKING PLAN.

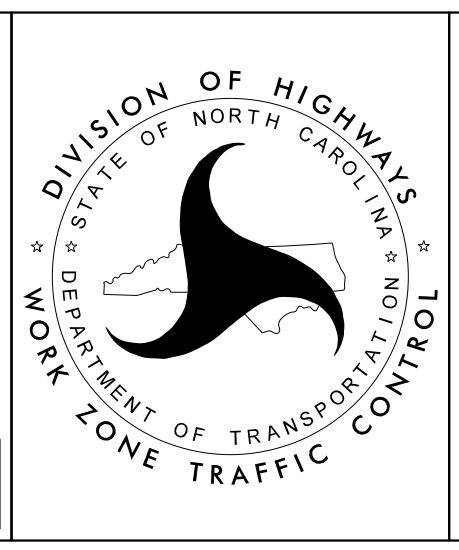
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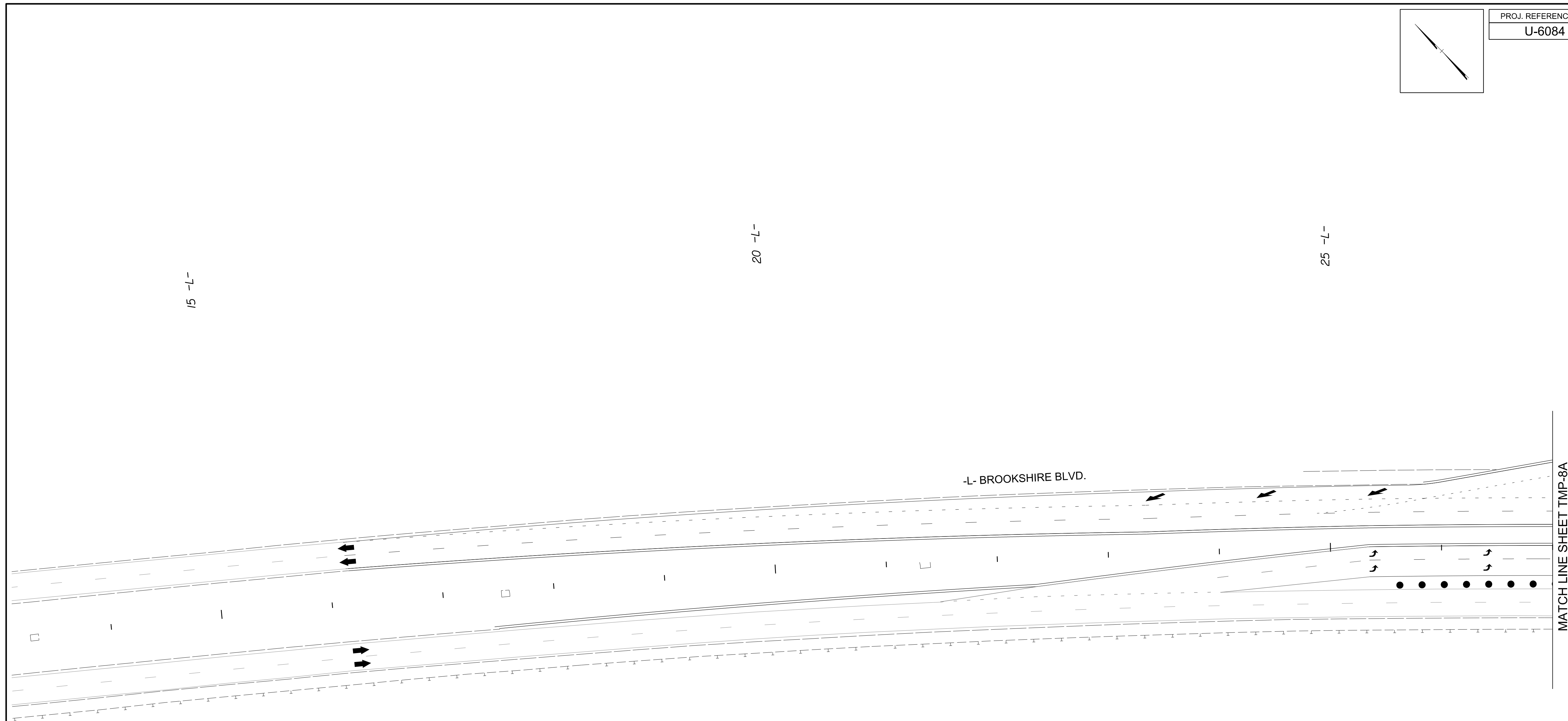
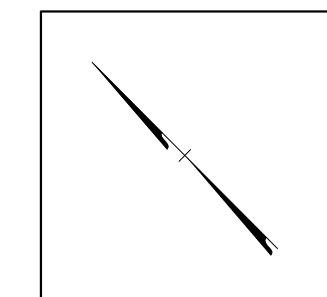
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-L- (BROOKSHIRE BLVD.)
PHASE IV
STEP 1

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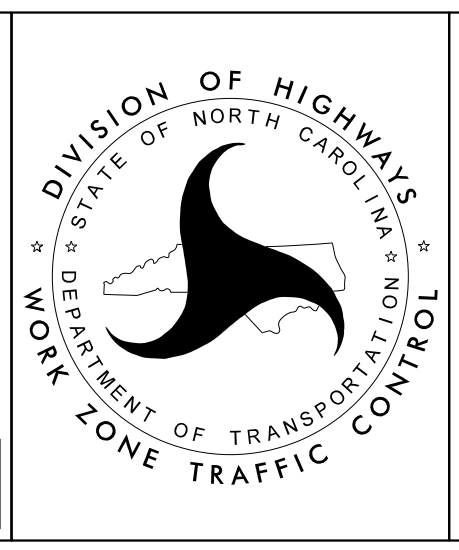
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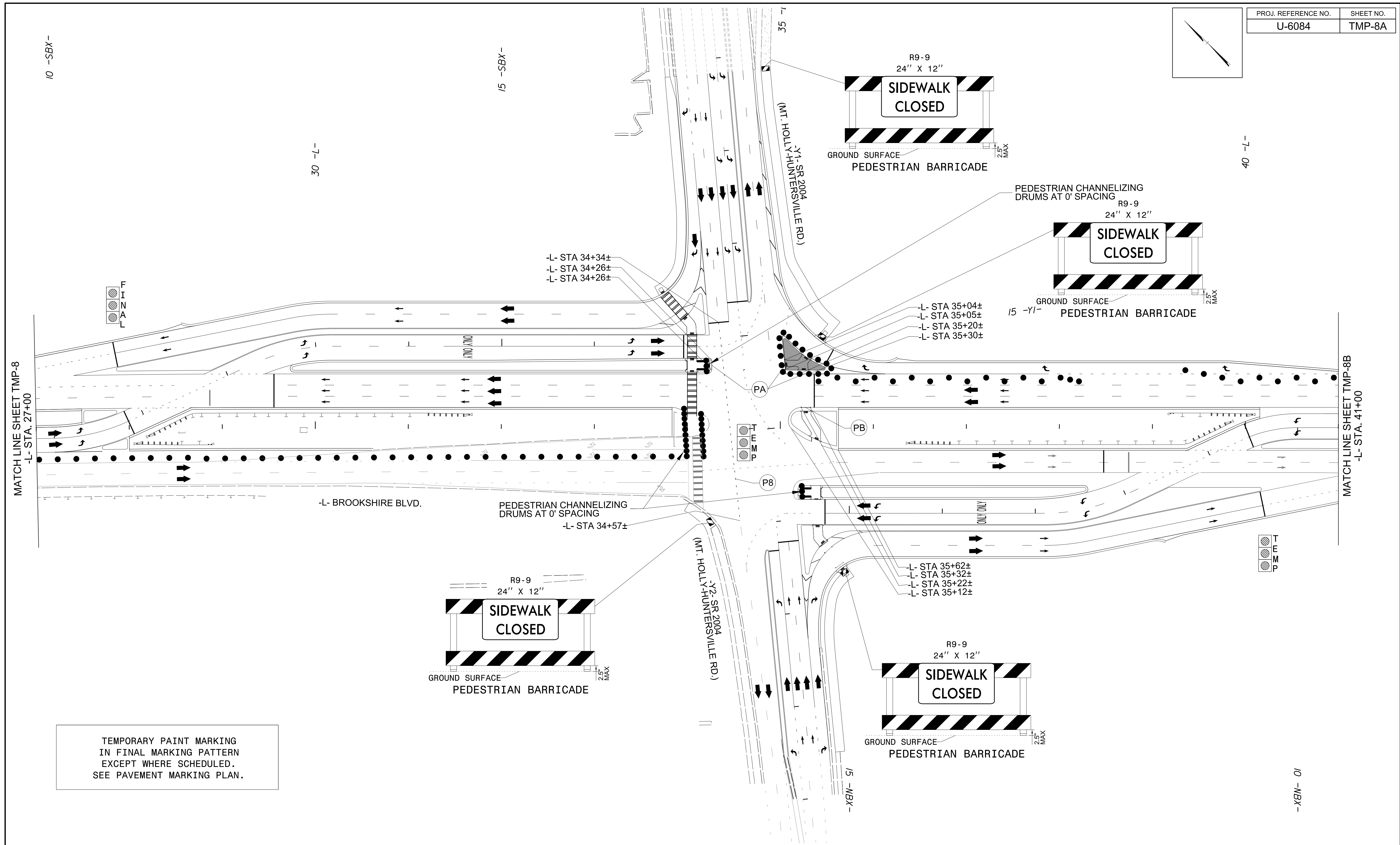
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PHASE IV
STEP 2**

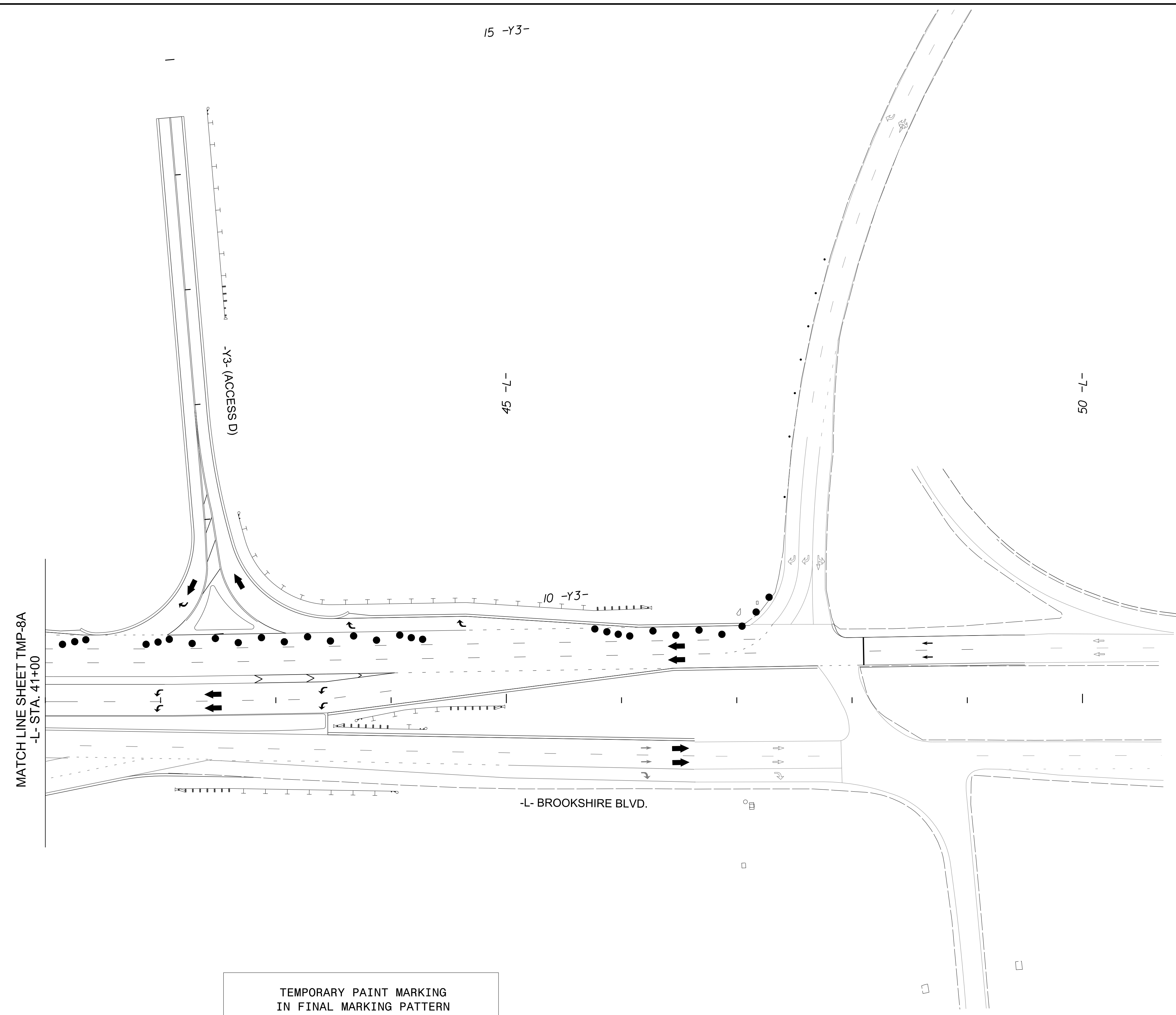
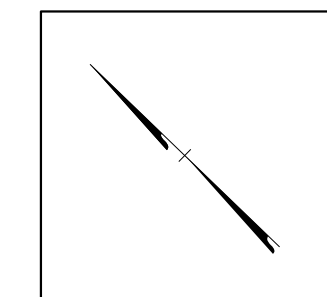


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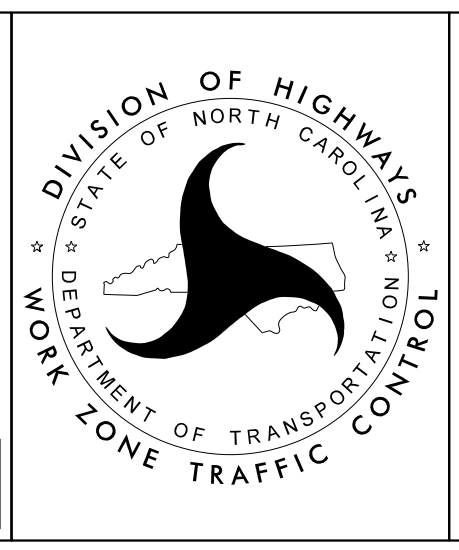
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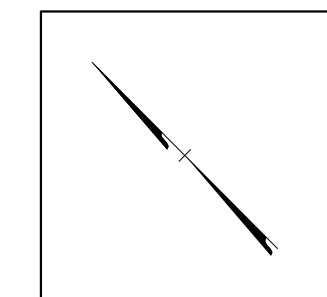
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**-L- (BROOKSHIRE BLVD.)
PHASE IV
STEP 2**

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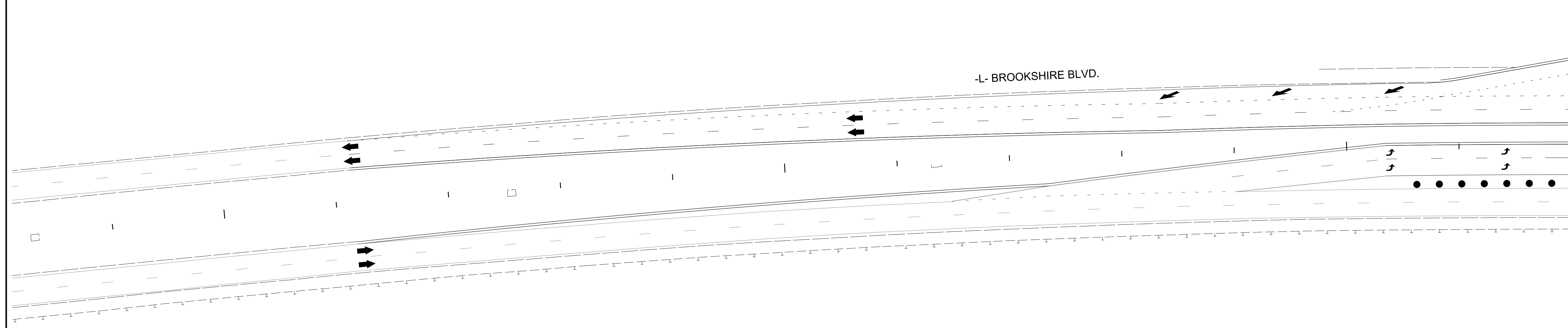
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20 -L-

25 -L-

-L- BROOKSHIRE BLVD.

MATCH LINE SHEET TMP-9A
-L- STA. 27+00



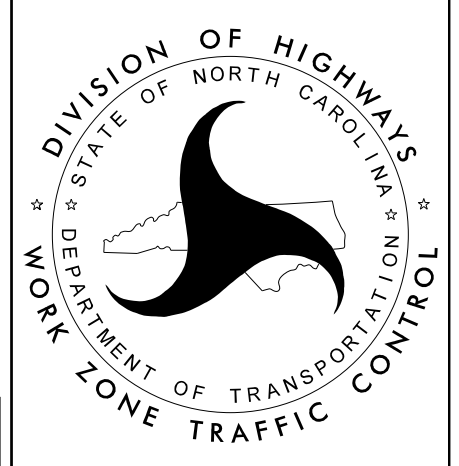
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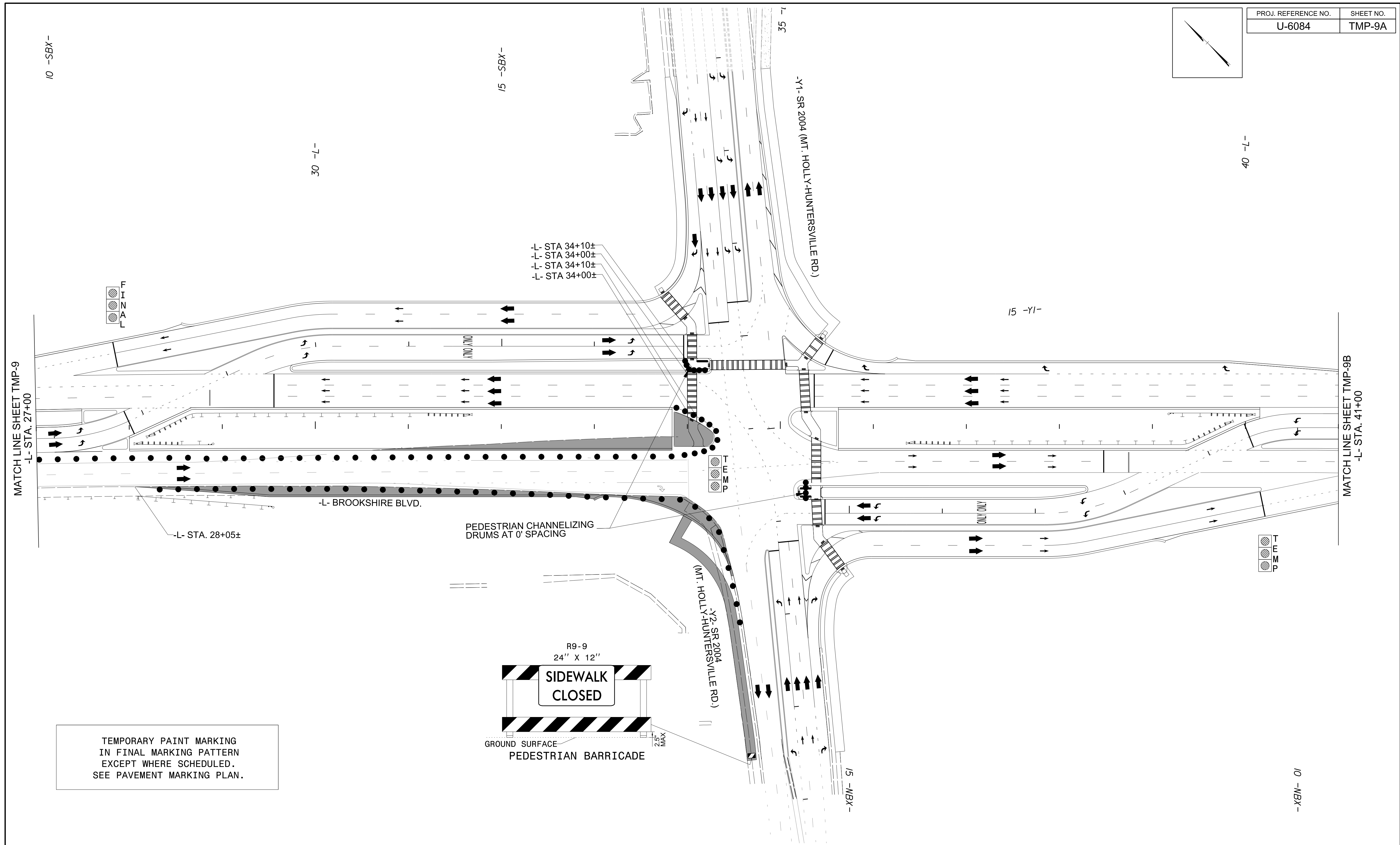
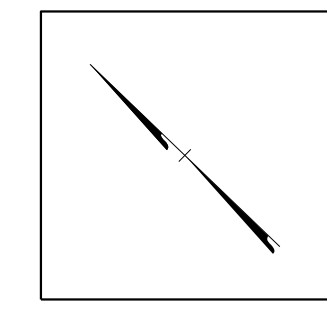
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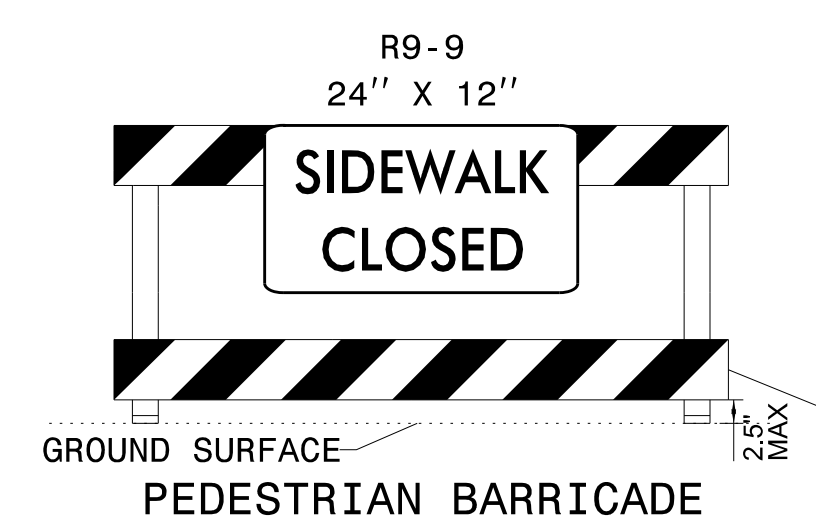


-L- (BROOKSHIRE BLVD.)
PHASE V
STEP 1

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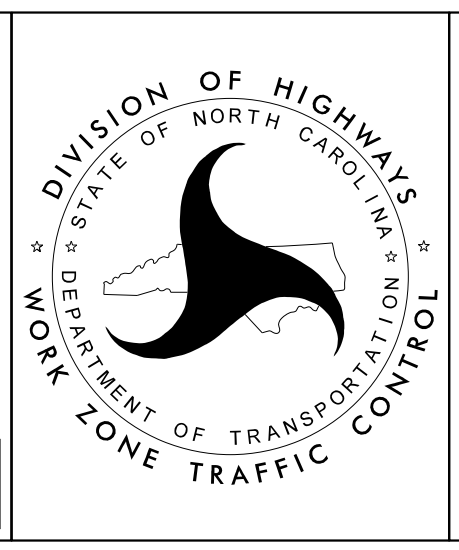
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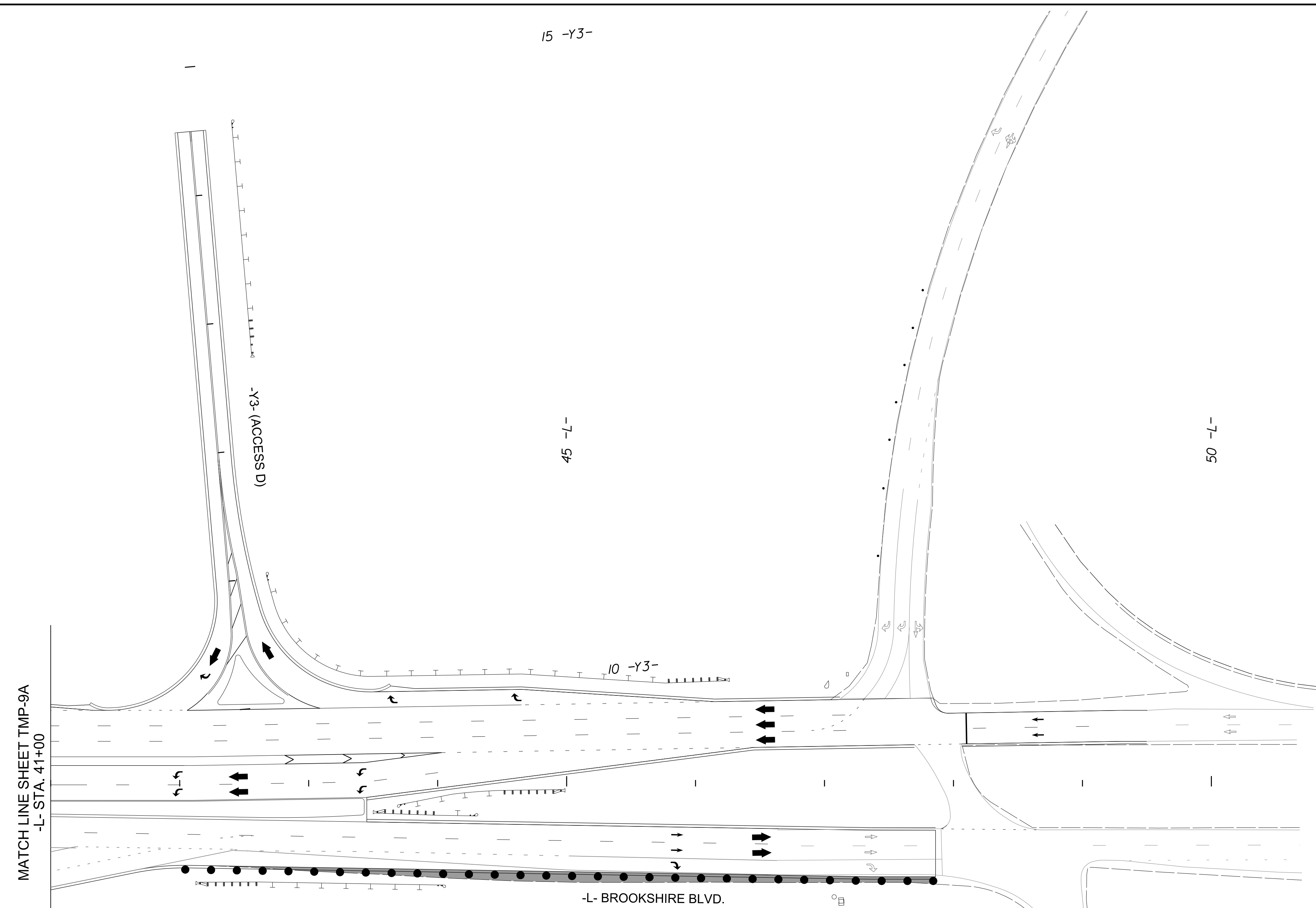
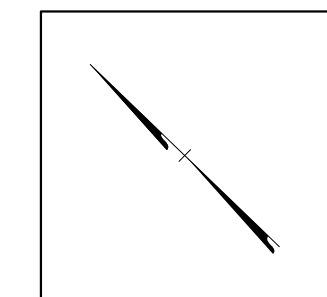
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PHASE V
STEP 1**

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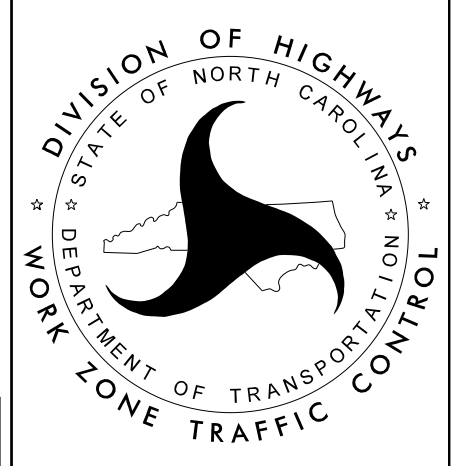
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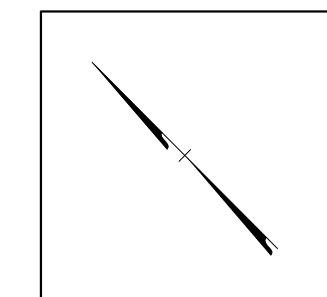
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PHASE V
STEP 1**

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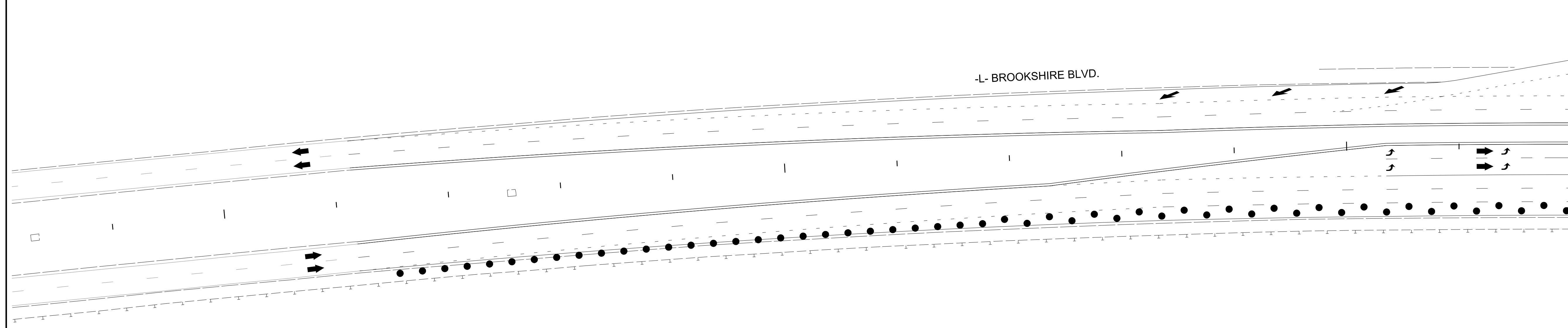
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25 -L-

-L- BROOKSHIRE BLVD.

MATCH LINE SHEET TMP-10A
-L- STA. 27+00



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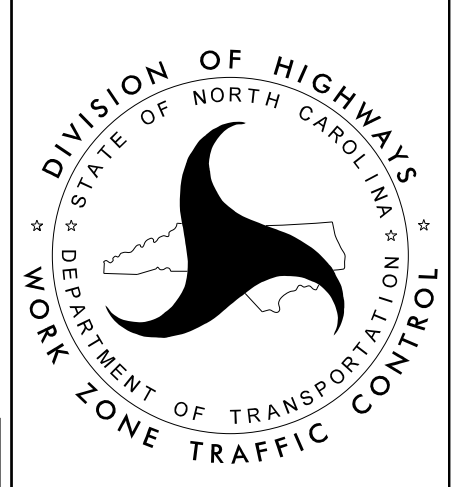
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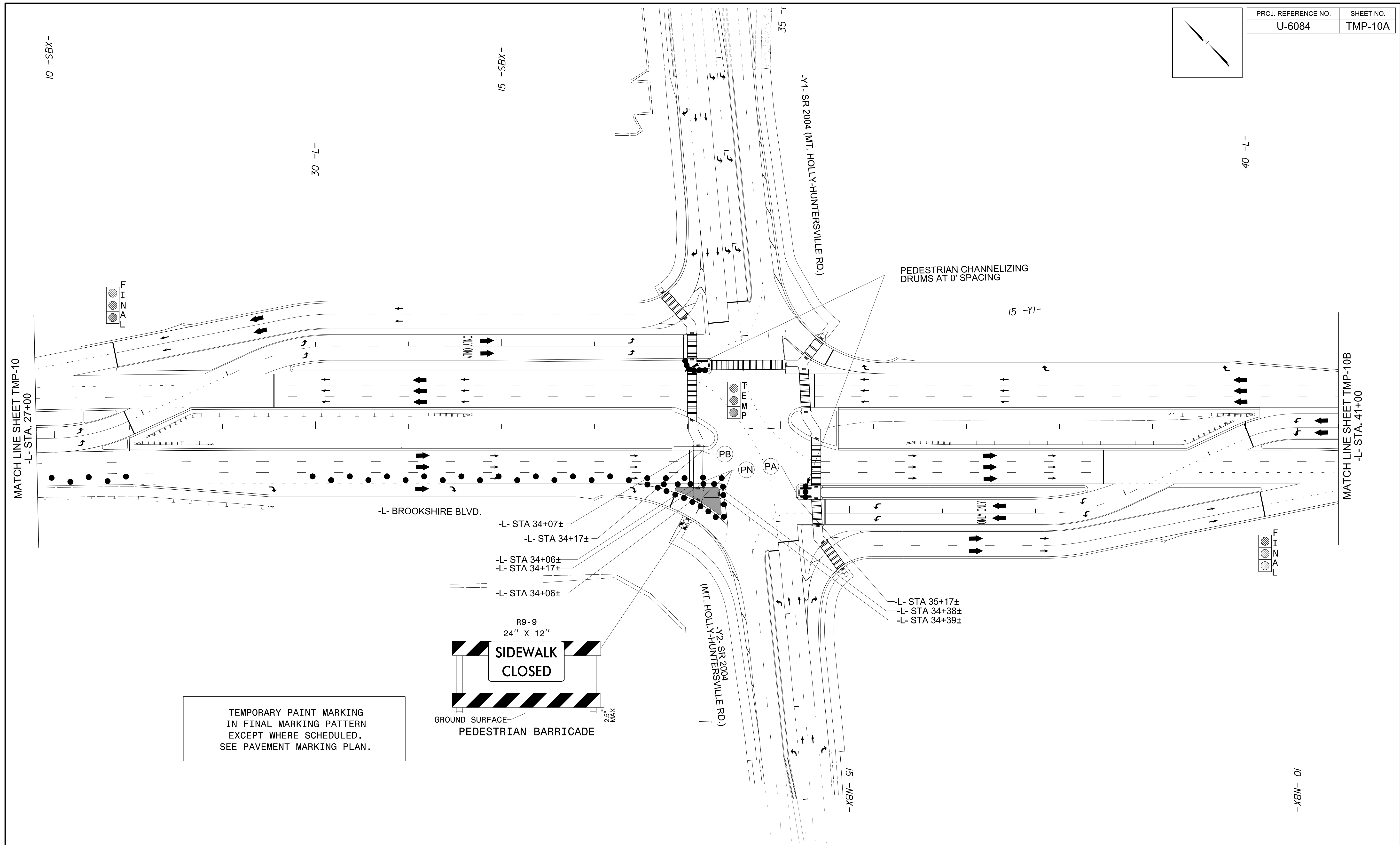
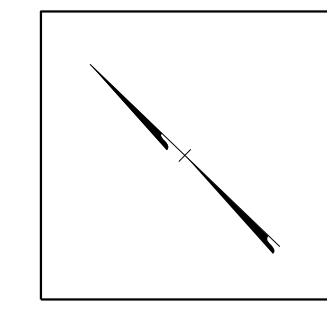
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-L- (BROOKSHIRE BLVD.)
PHASE V
STEP 2



MATCH LINE SHEET TMP-10
-L- STA. 27+00

MATCH LINE SHEET TMP-10B
-L- STA. 41+00

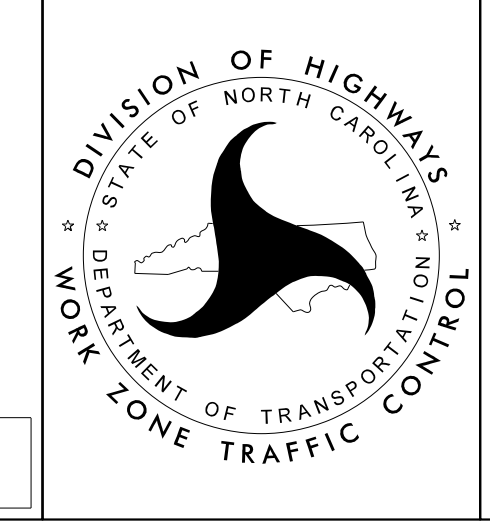
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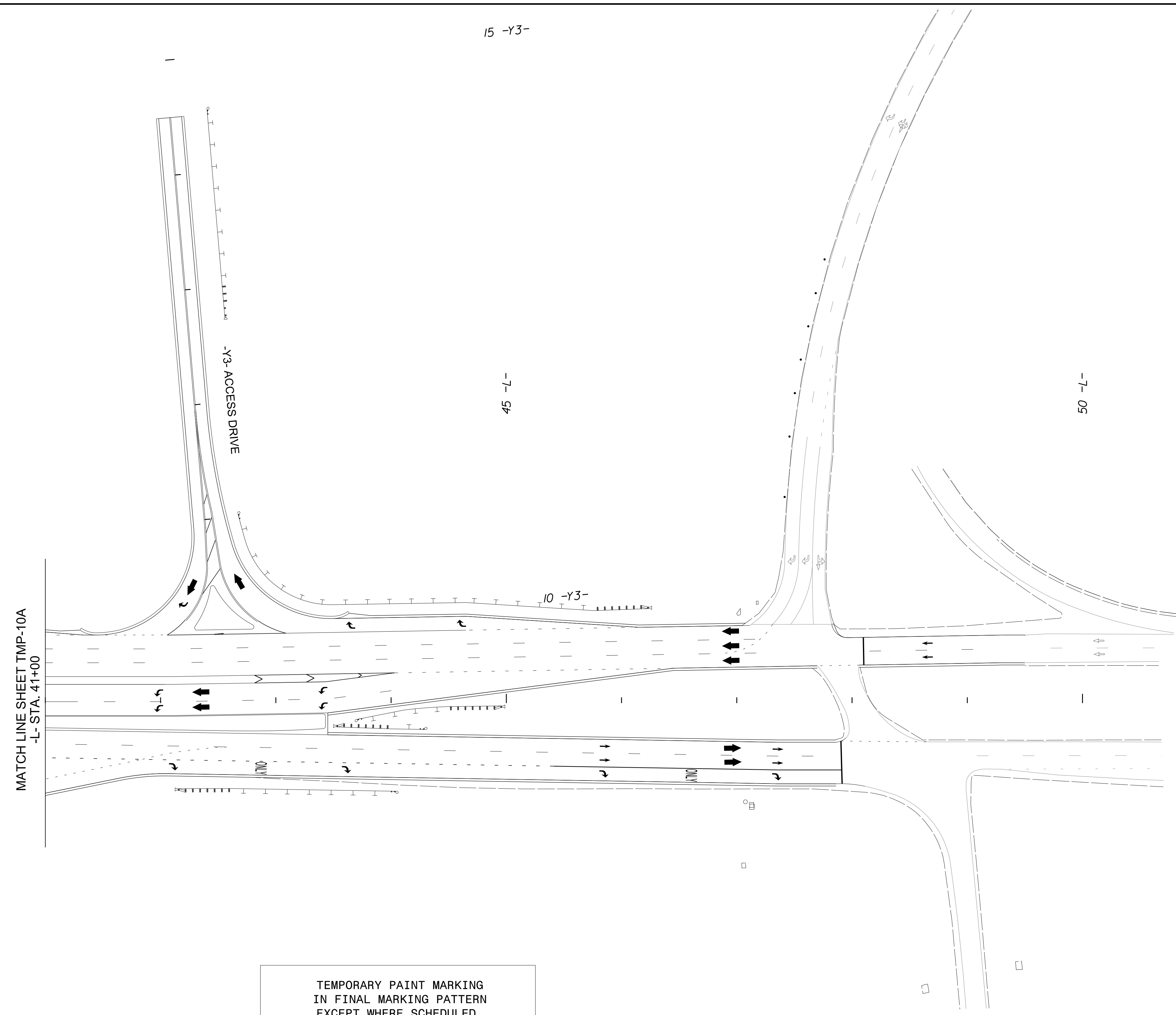
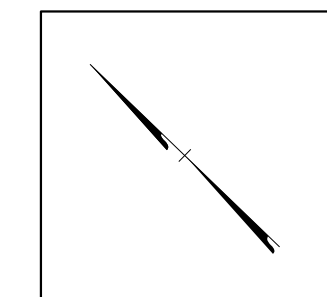
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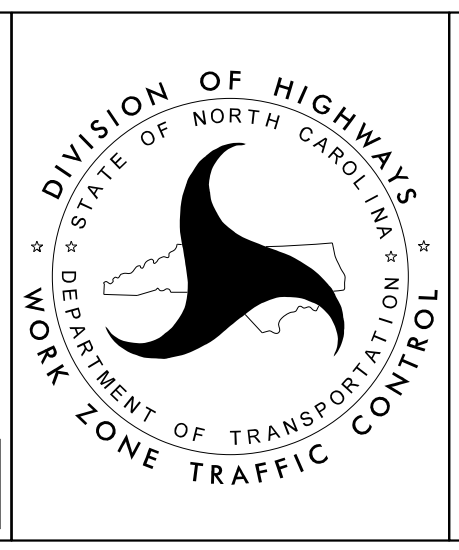
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