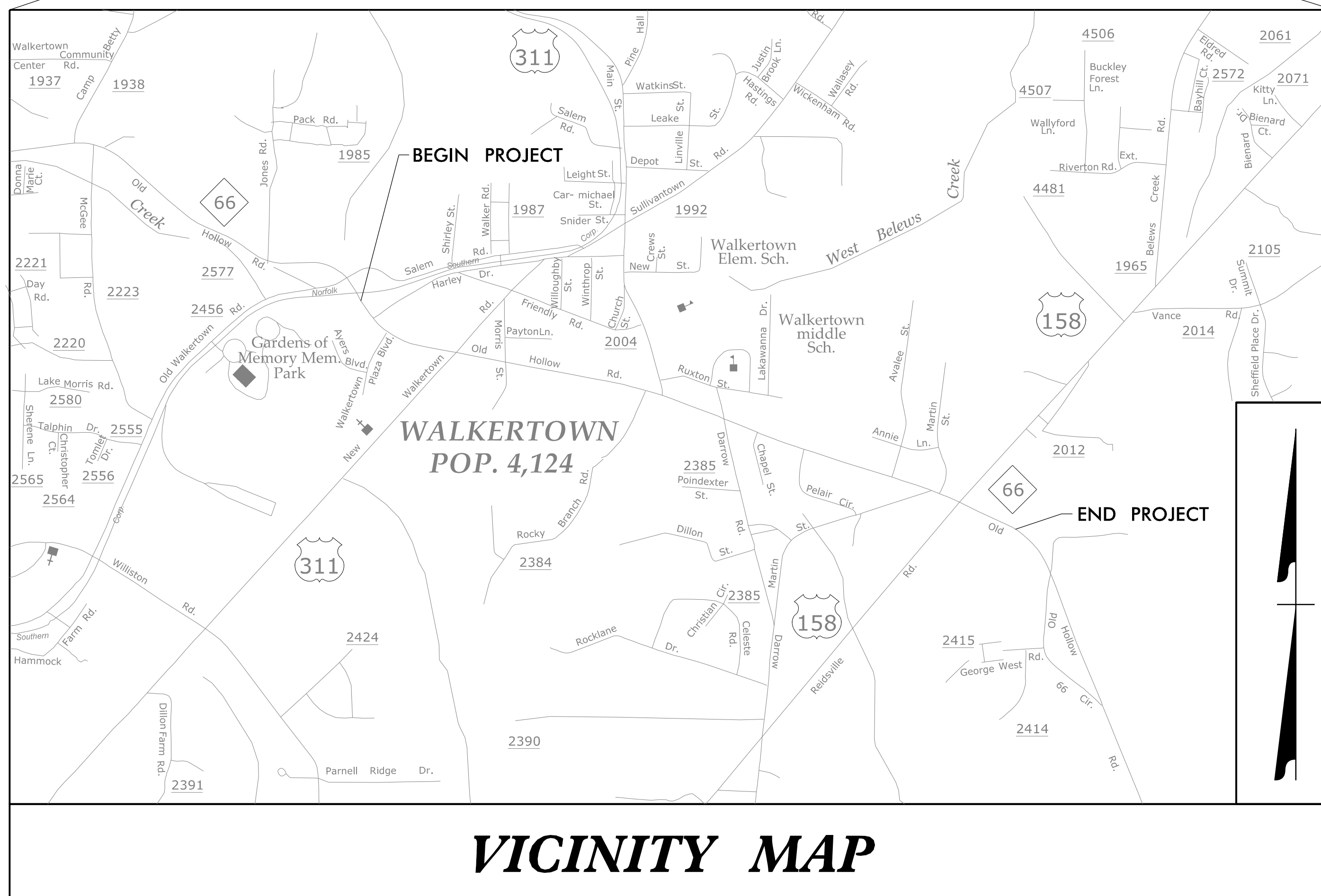
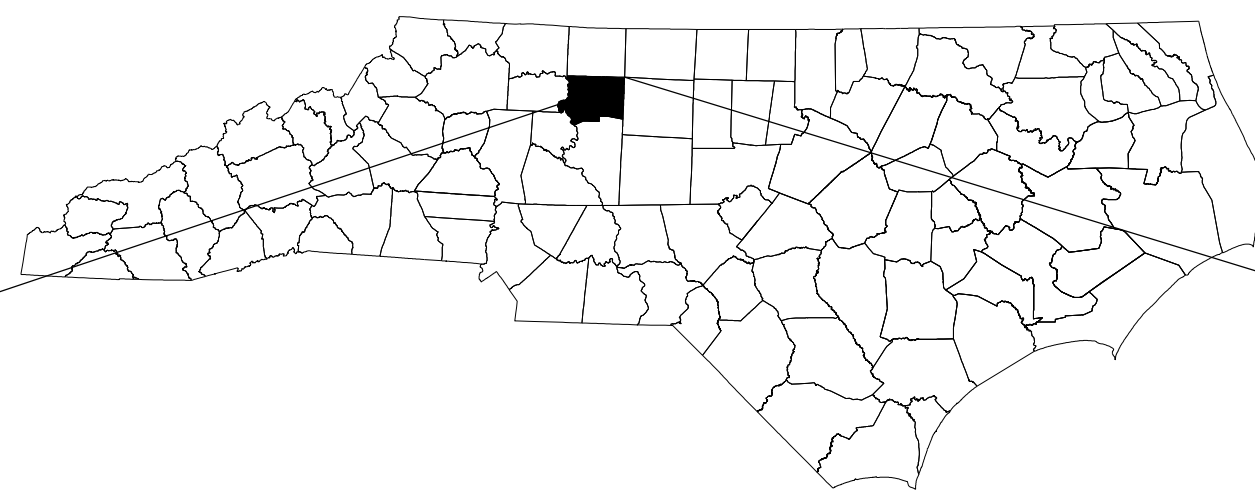


STATE OF NORTH CAROLINA
DIVISION OF HIGHWAYS

TRANSPORTATION MANAGEMENT PLAN

FORSYTH COUNTY
NC 66 (OLD HOLLOW ROAD) WIDENING
FROM HARLEY DRIVE TO US 158



VICINITY MAP

INDEX OF SHEETS

| <u>SHEET NO.</u> | <u>TITLE</u> |
|------------------|---|
| TMP-1 | TITLE SHEET, VICINITY MAP, AND INDEX OF SHEETS |
| TMP-1A | LIST OF APPLICABLE ROADWAY STANDARD DRAWINGS, LEGEND, AND TEMPORARY PAVEMENT MARKING SCHEDULE |
| TMP-1B | TRANSPORTATION OPERATIONS PLAN (MANAGEMENT STRATEGIES AND GENERAL NOTES) |
| TMP-3 THRU 3A | PHASING |
| TMP-4 THRU 4I | PHASE I OVERVIEW & DETAIL SHEETS |
| TMP-5 THRU 5K | PHASE IA OVERVIEW & DETAIL SHEETS |
| TMP-6 THRU 6B | PHASE IA (STEP 7) DETAIL SHEETS |
| TMP-7 THRU 7G | PHASE II OVERVIEW & DETAIL SHEETS |
| TMP-8 THRU 8C | PHASE IIA DETAIL SHEETS |
| TMP-9 THRU 9H | PHASE III OVERVIEW & DETAIL SHEETS |
| TMP-10 THRU 10A | SPECIAL SIGN DESIGNS |

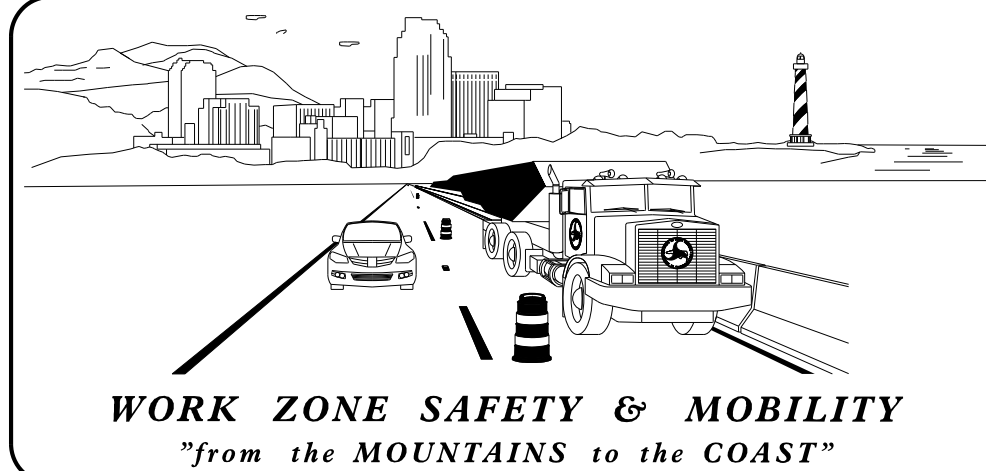
SHEET NO.

TMP-1

U-5824

TIP PROJECT:

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PLANS PREPARED BY:

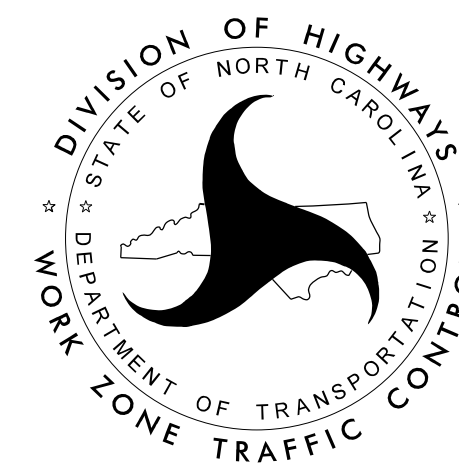
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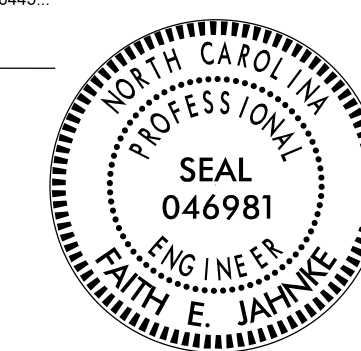


NC FIRM LICENSE No: P-0339
320 Executive Court
Hillsborough, NC 27278
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APPROVED: *Faith E. Jahnke*

DATE: 9/15/2023

SEAL



ROADWAY STANDARD DRAWINGS

THE FOLLOWING ROADWAY STANDARDS AS SHOWN IN "ROADWAY STANDARD DRAWINGS" - 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 |
| 1101.06 | 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 | DRUM |
| 1135.01 | CONES |
| 1145.01 | BARRICADES |
| 1150.01 | FLAGGING DEVICES |
| 1160.01 | TEMPORARY CRASH CUSHION |
| 1165.01 | WORK VEHICLE LIGHTING SYSTEMS AND TMA DELINEATION |
| 1170.01 | POSITIVE PROTECTION |
| 1180.01 | SKINNY-DRUM |
| 1205.01 | PAVEMENT MARKINGS - LINE TYPES AND OFFSETS |
| 1205.02 | PAVEMENT MARKINGS - TWO-LANE AND MULTI-LANE ROADWAYS |
| 1205.03 | PAVEMENT MARKINGS - EXITS AND ENTRANCE RAMP |
| 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 |
| 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 |

MANAGEMENT STRATEGIES

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

- RECOMMENDED STRATEGIES:
 -LANE CLOSURES OR SHIFTS
 -FLAGGING SERVICES
 -WEEKEND WORK
 -PEAK HOUR RESTRICTIONS
 -OFF-SITE DETOURS

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
- ONGOING CONSTRUCTION

SIGNALS

- EXISTING
- PROPOSED
- TEMPORARY

PAVEMENT MARKINGS

- EXISTING LINES
- TEMPORARY LINES

TRAFFIC CONTROL DEVICES

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

TEMPORARY SIGNING

- PORTABLE SIGN
- STATIONARY SIGN
- STATIONARY OR PORTABLE SIGN

PAVEMENT MARKERS

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

PAVEMENT MARKING SYMBOLS

- PAVEMENT MARKING SYMBOLS

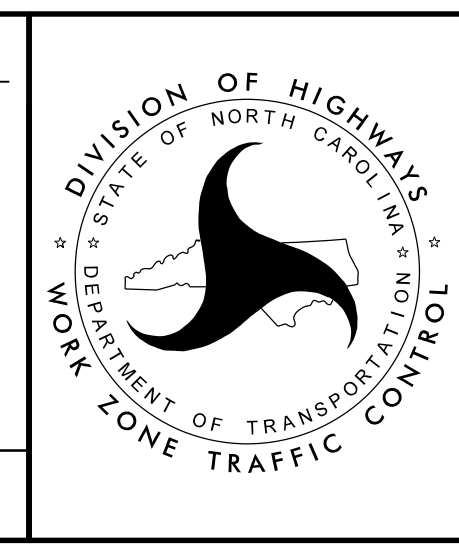
TEMPORARY PAVEMENT MARKING

| SYMBOL | DESCRIPTION |
|--------|--|
| P1 | PAINT (4") WHITE EDGELINE |
| P2 | WHITE SOLID LANE LINE |
| P3 | 10 FT WHITE SKIP |
| P4 | 3 FT - 9 FT/SP WHITE MINI SKIP |
| P5 | 2 FT - 6 FT/SP WHITE MINI SKIP |
| P11 | YELLOW SINGLE CENTER |
| P13 | YELLOW DOUBLE CENTER LINE |
| P42 | PAINT (8") YELLOW DIAGONAL |
| P43 | WHITE SOLID LANE LINE |
| P46 | WHITE CROSSWALK LINE |
| P61 | PAINT (24") WHITE STOPBAR |
| P70 | PAINT- PAVEMENT MARKING SYMBOL LEFT ARROW |
| P71 | RIGHT ARROW |
| P72 | STRAIGHT ARROW |
| P73 | COMBO. LEFT/STRAIGHT ARROW |
| P74 | COMBO. RIGHT/STRAIGHT ARROW |
| P76 | COMBO RIGHT/STRAIGHT/LEFT ARROW |
| P100 | ALPHANUMERIC CHARACTER |

APPROVED: *Keith E. Jahnke*
 DATE: 9/15/2023

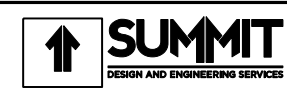
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ROADWAY STANDARD DRAWINGS & LEGEND

GENERAL NOTES

| | | | | |
|----------------------------|---|--|-------------------------------|---------------------|
| Prepared in the Office of: |  | NC FIRM LICENSE Nos P-0339 320 Executive Ct. Millsboro, DE 19966 (937) 732-3883 (937) 732-6876 (FAX) | PROJ. REFERENCE NO. U-5824 | SHEET NO. TMP-1B |
|----------------------------|---|--|-------------------------------|---------------------|

CHANGES MAY BE REQUIRED WHEN PHYSICAL DIMENSION IN THE DETAIL DRAWINGS, STANDARD DETAILS, AND ROADWAY DETAILS ARE NOT ATTAINABLE TO MEET FIELD CONDITIONS OR RESULT IN DUPLICATE OR UNDESIRED 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 RESTRICTION |
|-----------|---|
| ANY ROAD | MONDAY THROUGH FRIDAY FROM 6:00 AM TO 9:00 AM AND FROM 3:00 PM TO 6:00 PM |

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

| ROAD NAME: | |
|------------|--|
| ANY ROAD | |

HOLIDAY

1. FOR ANY UNEXPECTED OCCURANCE THAT CREATES UNUSUALLY HIGH TRAFFIC VOLUMES, AS DIRECTED BY THE ENGINEER.
 2. FOR NEW YEAR'S BETWEEN THE HOURS OF 6:00 AM DECEMBER 31ST TO 6:00 PM JANUARY 2ND. IF NEW YEAR'S DAY IS ON A FRIDAY, SATURDAY, SUNDAY, OR MONDAY THEN UNTIL 6:00 PM THE FOLLOWING TUESDAY.
 3. FOR EASTER, BETWEEN THE HOURS OF 6:00 AM THURSDAY AND 6:00 PM MONDAY.
 4. FOR MEMORIAL DAY, BETWEEN THE HOURS OF 6:00 AM FRIDAY TO 6:00 PM TUESDAY.
 5. FOR INDEPENDENCE DAY, BETWEEN THE HOURS OF 6:00 AM THE DAY BEFORE INDEPENDENCE DAY, AND 6:00 PM THE DAY AFTER INDEPENDENCE DAY.
- IF INDEPENDENCE DAY IS ON A FRIDAY, SATURDAY, SUNDAY OR MONDAY THEN BETWEEN THE HOURS OF 6:00 AM THE THURSDAY BEFORE INDEPENDENCE DAY, AND 6:00 PM THE TUESDAY AFTER INDEPENDENCE DAY.
6. FOR LABOR DAY, BETWEEN THE HOURS OF 6:00 AM FRIDAY AND 6:00 PM TUESDAY.
 7. FOR THANKSGIVING DAY, BETWEEN THE HOURS OF 6:00 AM TUESDAY TO 6:00 PM MONDAY.
 8. FOR CHRISTMAS, BETWEEN THE HOURS OF 6:00 AM THE FRIDAY BEFORE THE WEEK OF CHRISTMAS DAY AND 6:00 PM THE FOLLOWING TUESDAY AFTER THE WEEK OF CHRISTMAS.

HAULING

D) DO NOT CONDUCT SINGLE VEHICLE HAULING AS FOLLOWS:

| ROAD NAME | DAY AND TIME RESTRICTION |
|-----------|---|
| NC 66 | MONDAY THROUGH FRIDAY FROM 6:00 AM TO 9:00 AM AND FROM 3:00 PM TO 6:00 P.M. |

E) DO NOT CONDUCT SINGLE VEHICLE HAULING AS FOLLOWS:

| ROAD NAME | DAY AND TIME RESTRICTION |
|-----------|---|
| NC 66 | MONDAY THROUGH FRIDAY FROM 6:00 AM TO 9:00 AM AND FROM 3:00 PM TO 6:00 P.M. |

F) DO NOT CONDUCT ANY HAULING OPERATIONS AGAINST THE FLOW OF TRAFFIC OF AN OPEN TRAVELWAY UNLESS THE HAULING OPERATION IS PROTECTED BARRIER OR GUARDRAIL 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 WITHIN 5 FT ADJACENT TO AN UNDIVIDED FACILITY OR WITHIN 5 FT OF AN OPEN TRAVEL LANE, CLOSE THE NEAREST 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 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.
- 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 SLOPE OF 6:1, UP TO THE EDGE AND ELEVATION OF EXISTING PAVEMENT IN AREAS ADJACENT TO AN OPENED TRAVEL LANE THAT HAS AN EDGE OF PAVEMENT DROP-OFF AS FOLLOWS:

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

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

BACKFILL WITH SUITABLE COMPACTED MATERIAL, AS APPROVED BY THE ENGINEER, AT NO EXPENSE TO THE DEPARTMENT.
- M) DO NOT EXCEED A DIFFERENCE OF 2 INCHES IN ELEVATION BETWEEN OPEN LANES OF TRAFFIC FOR NOMINAL LIFTS OF 1.5 INCHES. INSTALL ADVANCE WARNING "UNEVEN LANES" SIGNS (W8-11) 350 FT IN ADVANCE AND A MINIMUM OF EVERY HALF MILE THROUGHOUT THE UNEVEN AREA.

TRAFFIC PATTERN ALTERATIONS

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

SIGNING

- O) INSTALL ADVANCED WORK ZONE WARNING SIGNS WHEN WORK IS WITHIN 40 FT FROM THE EDGE OF TRAVEL LANE AND NO MORE THAN THREE (3) DAYS PRIOR TO THE BEGINNING OF CONSTRUCTION.
- P) ENSURE ALL NECESSARY SIGNING IS IN PLACE PRIOR TO ALTERING ANY TRAFFIC PATTERNS.
- Q) PROVIDE SIGNING REQUIRED FOR THE OFF-SITE DETOUR ROUTE AS SHOWN IN THE TRAFFIC CONTROL. COVER OR REMOVE SIGNS WHEN DETOUR IS NOT IN OPERATION.

TRAFFIC BARRIER

R) INSTALL TEMPORARY BARRIER ACCORDING TO THE TRANSPORTATION MANAGEMENT PLAN A MAXIMUM OF TWO (2) WEEKS PRIOR TO BEGINNING WORK IN AN 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 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 ROADWAY CLOSED UNTIL THE TEMPORARY BARRIER CAN BE PLACED OR AFTER THE TEMPORARY BARRIER IS REMOVED.

S) 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 BARRIERS OFFSET FROM ONCOMING TRAFFIC AS FOLLOWS OR AS SHOWN IN THE PLANS: (SEE ALSO ROADWAY STANDARD DRAWING NUMBER 1101.05)

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

TRAFFIC CONTROL DEVICES

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

PAVEMENT MARKINGS

W) INSTALL TEMPORARY PAVEMENT MARKING AND TEMPORARY PAVEMENT MARKERS ON INTERIM LAYERS OF PAVEMENT AS FOLLOWS:

| ROAD NAME | MARKING | MARKER |
|-----------|---------|------------------|
| ALL | PAINT | TEMPORARY RAISED |

X) 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.

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

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

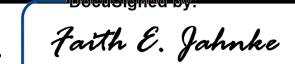
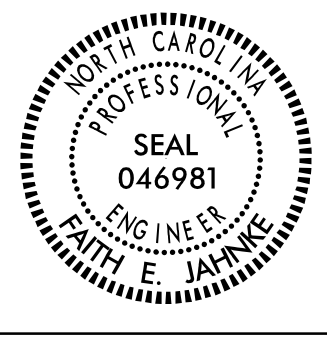

AA) TRACE THE 6 INCH MONOLITHIC ISLAND LOCATIONS WITH PROPER COLOR PAVEMENT MARKINGS PRIOR TO PLACEMENT OF THE FINAL SURFACE COURSE. PLACE DRUMS TO DELINEATE ANY MONOLITHIC ISLANDS.

MISCELLANEOUS

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

CC) CONTRACTOR SHALL MAINTAIN SIDEWALK ACCESS AT ALL TIMES AS STATED IN THE TRAFFIC MANAGEMENT PLANS. 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 OPERATION (UTILITIES, DRAINAGE, ETC).

DD) CONTRACTOR SHALL PROVIDE A PEDESTRIAN TRANSPORT SERVICE THROUGH AND/OR AROUND THE PROJECT WHEN A TRAVERSABLE, FIRM, STABLE, AND SLIP-RESISTANT PATH FOR PEDESTRIANS CANNOT BE MAINTAINED THROUGH THE WORK AREA. AT MINIMUM, THE PEDESTRIAN TRANSPORT SERVICE SHALL BE ON-CALL BETWEEN THE HOURS OF 7:00 AM AND 8:00 PM MONDAY THROUGH SUNDAY, AND OPERATE AT NO-COST TO THE USERS.

| | | | |
|---|---|---|--|
| <p>APPROVED: </p> <p>DATE: 9/15/2023</p> <p style="text-align: center;">SEAL</p> |  |  | <h3 style="margin: 0;">TRANSPORTATION OPERATIONS PLAN</h3> |
| <p>DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED</p> | | | |

PHASING

| | | | | |
|----------------------------|--|---|---------------------|-----------|
| Prepared in the Office of: | | NC FIRM LICENSE No: P-0339 320 Executive Ct. Hillsborough, NC 27278 (919) 732-3883 (919) 732-6616 (FAX) | PROJ. REFERENCE NO. | SHEET NO. |
| | | | U-5824 | TMP-3 |

NOTES:

MAINTAIN ACCESS TO ALL RESIDENCES AND BUSINESSES DURING THE LIFE OF THE CONTRACT USING INCIDENTAL STONE AS NEEDED, UNLESS OTHERWISE NOTED IN PHASING OR DIRECTED BY THE ENGINEER

COMPLETE ANY WIDENING IN SUCH A MANNER THAT NO PONDING OF WATER WILL OCCUR WITHIN THE TRAVEL LANE.

WHEN WEDGING OVER THE EXISTING PAVEMENT, WEDGE TO PROPOSED ELEVATION LESS THE FINAL SURFACE COURSE, OR WEDGE AS NEEDED TO MAINTAIN TRAFFIC. MAINTAIN POSITIVE DRAINAGE, MAINTAIN A MAXIMUM .04 ROLLOVER IN BOTH EXISTING AND/OR TEMPORARY TRAVEL LANES, AND SATISFY PAVEMENT DROP OFF REQUIREMENTS.

WHEN USING LANE CLOSURES RETURN TRAFFIC TO EXISTING AND/OR CURRENT TEMPORARY TRAFFIC PATTERN UPON ACTIVITIES COMPLETION, UNLESS OTHERWISE NOTED IN THE PHASING.

WHEN INSTALLING TEMPORARY AND FINAL SIGNALS, USE LANE CLOSURES (RSD 1101.02, SHEETS 1 & 3) AND LAW ENFORCEMENT.

COMPLETE PROPOSED CONSTRUCTION UP TO BUT NOT INCLUDING THE FINAL LAYER OF SURFACE COURSE UNTIL STATED TO PLACE THE FINAL LAYER IN PHASING.

PHASE I

STEP 1:

USE ROADWAY STANDARD 1101.01 (SHEET 3 OF 3) ERECT WORK ZONE ADVANCE WARNING SIGNS ON -L- (OLD HOLLOW ROAD) AND ALL Y-LINES.

STEP 2: (SEE TMP-4 THRU TMP-4H)

- A) INSTALL TEMPORARY TRAFFIC SIGNALS Y3-1, Y7-1, Y8-1, Y12-1 AND COVER SIGNAL HEADS UNTIL ACTIVATION IS REQUIRED.

WHILE MAINTAINING TRAFFIC IN THE EXISTING PATTERN, BEGIN CONSTRUCTION ON AS MUCH AS POSSIBLE ON THE LEFT SIDE OF THE PROPOSED -L- ALIGNMENT UP TO THE EXISTING ELEVATION OF THE ROADWAY FROM:

- L- STA 14+25 +/- (-Y1-) TO STA 50+40 +/-
- Y3-
- Y4-
- L- STA 71+50 +/- TO STA 102+50 +/-.
- Y9-
- Y10-
- Y11B-

- B) PLACE BARRIER ALONG TEMPORARY EASEMENT FROM -L- STA 19+55 +/- TO STA 19+70 +/- RT. USING RSD 1101.03 (SHEET 1 OF 9) AND TMP-4I, INSTALL ROAD CLOSURE AND DETOUR SIGNING FOR THE CONSTRUCTION OF THE 60" RCP CROSSING AT -L- STA 19+25 +/-.
- COVER SIGNS UNTIL READY TO USE.

WORK IN A CONTINUOUS MANNER TO COMPLETE PHASE I STEP 2C FROM 8:00 PM FRIDAY TO 6:00 AM MONDAY. COORDINATE WITH WINSTON-SALEM/FORSYTH COUNTY SCHOOLS TO AVOID CLOSURE DURING SCHOOL SESSION OR SPECIAL EVENTS, SEE INTERMEDIATE CONTRACT TIME AND LIQUIDATED DAMAGES.

- C) UNCOVER OLD HOLLOW ROAD CLOSURE AND DETOUR SIGNING, CLOSE OLD HOLLOW ROAD, AND DETOUR TRAFFIC ALONG ROUTE SHOWN ON TMP-4I. INSTALL 60" RCP CROSSING AT -L- STA 19+25 +/- AS SHOWN ON TMP-4A. THEN, REPAIR EXISTING PAVEMENT, REPLACE PAVEMENT MARKERS, OPEN OLD HOLLOW ROAD AND REMOVE ROAD CLOSURE AND OFFSITE DETOUR SIGNING.

STEP 3: (SEE TMP-4 THRU TMP-4H)

WHILE MAINTAINING TRAFFIC IN THE EXISTING PATTERN, BEGIN CONSTRUCTION ON AS MUCH AS POSSIBLE ON THE RIGHT SIDE OF THE PROPOSED -L- ALIGNMENT UP TO THE EXISTING ELEVATION OF THE ROADWAY FROM:

- L- STA 44+50 +/- TO STA 106+66 +/-
- Y6-
- Y7A-
- Y8A-
- Y9-
- Y11A-

PHASE IA

STEP 1: (SEE TMP-5 THRU TMP-5H)

USING TEMPORARY LANE CLOSURES AS SHOWN IN RSD 1101.02 SHEETS 1 AND 2, PLACE TEMPORARY PAVEMENT FROM -L- 22+50 +/- TO 26+25 +/-.

THEN, INSTALL PORTABLE CONCRETE BARRIER AND CRASH CUSHIONS FROM -L- STA 23+00 +/- TO 26+00 +/-.

WHILE MAINTAINING TRAFFIC IN THE EXISTING PATTERN, CONSTRUCT AS MUCH AS POSSIBLE OF WESTBOUND LANES FROM:

- L- STA 21+00 +/- TO STA 48+00 +/-
- L- STA 82+50 +/- TO STA 96+00 +/- (-Y11B-)

INCLUDING OUTSIDE CURB AND GUTTER, PROPOSED SIDEWALK, INSIDE CURB AND GUTTER EXCEPT WHERE INGRESS AND EGRESS MUST BE MAINTAINED, AND UP TO BUT NOT INCLUDING FINAL SURFACE COURSE.

STEP 2: (TMP-5B)

- A) USING RSD 1101.03 (SHEET 1 OF 9) AND TMP-5I, INSTALL ROAD CLOSURE AND DETOUR SIGNING FOR THE CONSTRUCTION OF -Y3- NEW WALKERTOWN ROAD. COVER SIGNS UNTIL READY TO USE.

WORK IN A CONTINUOUS MANNER TO COMPLETE PHASE IA STEP 2B IN 7 CONSECUTIVE CALENDAR DAYS. SEE INTERMEDIATE CONTRACT TIME AND LIQUIDATED DAMAGES.

- B) UNCOVER -Y3- ROAD CLOSURE AND DETOUR SIGNING, CLOSE NEW WALKERTOWN ROAD, AND DETOUR TRAFFIC ALONG ROUTE SHOWN ON TMP-5I. THEN CONSTRUCT -Y3- UP TO BUT NOT INCLUDING THE FINAL LAYER OF SURFACE COURSE. PLACE TEMPORARY MARKINGS/MARKERS IN THE TEMPORARY PATTERN SHOWN ON TMP-5B. THEN, OPEN -Y3- TO TRAFFIC. REMOVE ROAD CLOSURE AND DETOUR SIGNING.

STEP 3: (TMP-5B)

- A) USING RSD 1101.03 (SHEET 1 OF 9) AND TMP-5J, INSTALL ROAD CLOSURE AND DETOUR SIGNING FOR THE CONSTRUCTION OF -Y4- MORRIS STREET. COVER SIGNS UNTIL READY TO USE.

WORK IN A CONTINUOUS MANNER TO COMPLETE PHASE IA STEP 3B FROM 8:00 PM FRIDAY TO 6:00 AM MONDAY. SEE INTERMEDIATE CONTRACT TIME AND LIQUIDATED DAMAGES.

- B) UNCOVER -Y4- CLOSURE AND DETOUR SIGNING, CLOSE MORRIS STREET, AND DETOUR TRAFFIC ALONG ROUTE SHOWN ON TMP-5J. THEN CONSTRUCT -Y4- UP TO BUT NOT INCLUDING THE FINAL LAYER OF SURFACE COURSE. THEN, OPEN -Y4- TO TRAFFIC. REMOVE ROAD CLOSURE AND DETOUR SIGNING.

STEP 4: (SEE TMP-5 THRU TMP-5H)

USING TEMPORARY LANE CLOSURES AS SHOWN IN RSD 1101.02 SHEETS 1 AND 2, PLACE TEMPORARY PAVEMENT FROM -L- 56+00 +/- TO 64+30 +/- THEN, INSTALL PORTABLE CONCRETE BARRIER AND CRASH CUSHIONS FROM -L- STA 56+50 +/- TO 64+10 +/-.

WHILE MAINTAINING TRAFFIC IN THE EXISTING PATTERN, CONSTRUCT AS MUCH AS POSSIBLE OF EASTBOUND LANES FROM:

- L- STA 48+00 +/- TO STA 76+00 +/- (-Y9-)

INCLUDING OUTSIDE CURB AND GUTTER, PROPOSED SIDEWALK, INSIDE CURB AND GUTTER EXCEPT WHERE INGRESS AND EGRESS MUST BE MAINTAINED, AND PAVEMENT UP TO BUT NOT INCLUDING THE FINAL SURFACE COURSE. PLACE TEMPORARY PAVEMENT FROM -L- STA 66+18 +/- TO 68+27 +/-.

STEP 5: (SEE TMP-5 THRU TMP-5H)

USING TEMPORARY LANE CLOSURES AND FLAGGING OPERATIONS AS SHOWN IN RSD 1101.02 SHEET 1 AND 2, CONSTRUCT OUTSIDE CURB AND GUTTER, PROPOSED SIDEWALK, AND PAVEMENT UP TO BUT NOT INCLUDING THE FINAL SURFACE COURSE ON:

- Y6-
- Y7A-

STEP 6: (TMP-5E)

- A) USING RSD 1101.03 (SHEET 1 OF 9) AND TMP-5K, INSTALL ROAD CLOSURE AND DETOUR SIGNING FOR THE CONSTRUCTION OF -Y8A- DARROW ROAD. COVER SIGNS UNTIL READY TO USE.

WORK IN A CONTINUOUS MANNER TO COMPLETE PHASE IA STEP 6B IN 14 CONSECUTIVE CALENDAR DAYS. SEE INTERMEDIATE CONTRACT TIME AND LIQUIDATED DAMAGES.

- B) UNCOVER -Y8A- CLOSURE AND DETOUR SIGNING, CLOSE DARROW ROAD, AND DETOUR TRAFFIC ALONG ROUTE SHOWN ON TMP-5K. THEN CONSTRUCT -Y8A- UP TO BUT NOT INCLUDING THE FINAL LAYER OF SURFACE COURSE. PLACE TEMPORARY MARKINGS/MARKERS IN THE TEMPORARY PATTERN SHOWN ON TMP-5E. THEN, OPEN -Y8A- TO TRAFFIC. REMOVE ROAD CLOSURE AND DETOUR SIGNING.

STEP 7: (SEE TMP-6 THRU TMP-6B)


USING TEMPORARY LANE CLOSURES AND FLAGGING OPERATIONS AS SHOWN IN RSD 1101.02 SHEETS 1 AND 2, PLACE TEMPORARY PAVEMENT FROM -TEMP1- STA 17+10 +/- TO 21+84 +/-, CONSTRUCT OUTSIDE CURB AND GUTTER, PROPOSED SIDEWALK, AND PROPOSED PAVEMENT UP TO BUT NOT INCLUDING THE FINAL SURFACE COURSE FROM -L- STA 10+50 +/- RT TO -Y2- TO CREATE TIE-IN. PLACE TEMPORARY PAVEMENT MARKINGS AND SHIFT TRAFFIC ONTO -TEMP1- ALIGNMENT. CONSTRUCT OUTSIDE CURB AND GUTTER, PROPOSED SIDEWALK, AND PROPOSED PAVEMENT UP TO BUT NOT INCLUDING THE FINAL SURFACE COURSE FROM:

- L- LT STA 10+50 +/- TO 21+00 +/-
- Y1-

PLACE APPLICABLE TEMPORARY PAVEMENT MARKINGS FOR PHASE II WITHOUT IMPACTING CURRENT TRAFFIC PATTERN.

| | | | |
|--|--|--|---|
| APPROVED: DATE: 9/21/2023 SEAL | | | <h2 style="margin: 0;">MANAGEMENT STRATEGIES AND PHASING</h2> |
| DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED | | | |

PHASING CONT.

| | | | | |
|----------------------------|---|---|---------------------|-----------|
| Prepared in the Office of: |  | NC FIRM LICENSE No. P-0339 320 Executive Ct. Hillsborough, NC 27278 (919) 732-3883 (919) 732-6616 (FAX) | PROJ. REFERENCE NO. | SHEET NO. |
| | | | U-5824 | TMP-3A |

PHASE II

STEP 1: (SEE TMP-7 THRU TMP-7G)

USING TEMPORARY LANE CLOSURES AND FLAGGING OPERATIONS AS SHOWN IN RSD 1101.02 SHEETS 1 AND 2,

INSTALL TEMPORARY SIGNALS Y3-2, Y7-2, Y8-2, AND COVER SIGNAL HEADS.

INSTALL PORTABLE CONCRETE BARRIER AND CRASH CUSHIONS FROM -L- STA 23+00+/- TO 26+00+/- AND -L- STA 52+50+/- TO 64+10+/-.

INSTALL ALL APPLICABLE WORKZONE SIGNS. WEDGE TO CREATE CROSS OVER TIE-IN AT -L- STA 47+50+/-.

WEDGE TO CREATE TIE-IN TO EXISTING AT -L- STA 75+00+/-.

PLACE REMAINING TEMPORARY PAVEMENT MARKINGS. SHIFT TRAFFIC ONTO NEW PATTERN AND ACTIVATE TEMPORARY SIGNALS.

STEP 2: (SEE TMP-7 THRU TMP-7G)

USING TEMPORARY LANE CLOSURES AS SHOWN IN RSD 1101.02 SHEETS 1 AND 2, CONSTRUCT OUTSIDE CURB AND GUTTER, PROPOSED SIDEWALK, INSIDE CURB AND GUTTER EXCEPT WHERE INGRESS AND EGRESS MUST BE MAINTAINED, AND PAVEMENT UP TO BUT NOT INCLUDING FINAL SURFACE COURSE FROM:

- L- RT STA 15+25+/- TO 48+00+/-
- L- LT STA 48+00+/- TO 76+25+/- (-Y9-)
- Y2-
- Y3-
- Y4-
- Y5-
- Y7B-
- Y8B-

PHASE IIA

STEP 1: (SEE TMP-8 THRU TMP-8B)

USING TEMPORARY LANE CLOSURES AND FLAGGING OPERATIONS AS SHOWN IN RSD 1101.02 SHEET 1 AND 2, CONSTRUCT OUTSIDE CURB AND GUTTER, PROPOSED SIDEWALK, AND PROPOSED PAVEMENT UP TO BUT NOT INCLUDING THE FINAL SURFACE COURSE FROM:

- L- STA 76+75+/- (-Y9-) TO 82+50+/- LT
- L- STA 96+25+/- (-Y11B-) TO 106+66+/- LT

STEP 2: (SEE TMP-8 THRU TMP-8B)

USING TEMPORARY LANE CLOSURES AND FLAGGING OPERATIONS AS SHOWN IN RSD 1101.02 SHEET 1 AND 2, CONSTRUCT OUTSIDE CURB AND GUTTER, PROPOSED SIDEWALK, AND PROPOSED PAVEMENT UP TO BUT NOT INCLUDING THE FINAL SURFACE COURSE FROM:

- L- STA 76+75+/- (-Y9-) TO 106+66 RT

STEP 3: (SEE TMP-8 THRU TMP-8B)

A) USING TEMPORARY LANE CLOSURES AND FLAGGING OPERATIONS AS SHOWN IN RSD 1101.02 SHEET 1 AND 2, CONSTRUCT OUTSIDE CURB AND GUTTER, PROPOSED SIDEWALK, AND PROPOSED PAVEMENT UP TO BUT NOT INCLUDING THE FINAL SURFACE COURSE FROM:

- Y9- (WHITEHALL VILLAGE LN.)
- Y10-
- Y11A-
- Y11B-

B) USING RSD 1101.03 (SHEET 1 OF 9) AND TMP-8C, INSTALL ROAD CLOSURE AND DETOUR SIGNING FOR THE CONSTRUCTION OF -Y9- BELLAIRE CIRCLE. COVER SIGNS UNTIL READY TO USE.

WORK IN A CONTINUOUS MANNER TO COMPLETE PHASE IIA STEP 3C FROM 8:00 PM FRIDAY TO 6:00 AM MONDAY. SEE INTERMEDIATE CONTRACT TIME AND LIQUIDATED DAMAGES.

C) UNCOVER -Y9- CLOSURE AND DETOUR SIGNING, CLOSE BELLAIRE CIRCLE, AND DETOUR TRAFFIC ALONG ROUTE SHOWN ON TMP-8C. THEN CONSTRUCT -Y9- UP TO BUT NOT INCLUDING THE FINAL LAYER OF SURFACE COURSE. THEN, OPEN -Y9- TO TRAFFIC. REMOVE ROAD CLOSURE AND DETOUR SIGNING.

PLACE APPLICABLE TEMPORARY PAVEMENT MARKINGS FOR PHASE III WITHOUT IMPACTING CURRENT TRAFFIC PATTERN.

PHASE III

STEP 1: (SEE TMP-9 THRU TMP-9H)

USING TEMPORARY LANE CLOSURES AND FLAGGING OPERATIONS AS SHOWN IN RSD 1101.02 SHEET 1 AND 2, INSTALL ALL APPLICABLE WORKZONE SIGNS
 CREATE TIE-INS
 PLACE REMAINING TEMPORARY PAVEMENT MARKINGS
 ACTIVATE TEMPORARY SIGNALS Y3-3, Y7-3, Y8-3, Y12-2
 SHIFT TRAFFIC INTO PHASE III TRAFFIC PATTERN
 FINISH INSTALLING REMAINING INSIDE CURB AND GUTTER, PROPOSED PAVEMENT UP TO BUT NOT INCLUDING THE FINAL PAVEMENT LAYERS, AND MONOLITHIC ISLANDS FROM:

- L- STA 14+30+/- TO 26+20+/-
- L- STA 27+27+/- TO 41+52+/-
- L- STA 42+30+/- TO 55+15+/-
- L- STA 56+07+/- TO 63+88+/-
- L- STA 65+18+/- TO 76+30+/-
- L- STA 76+71+/- TO 98+40+/-
- L- STA 99+64+/- TO 106+66+/-
- MONOLITHIC ISLAND AT -Y3- STA 11+75+/-
- MONOLITHIC ISLAND AT -Y3- STA 12+25+/-
- MONOLITHIC ISLAND AT -L- STA 53+00+/- RT
- MONOLITHIC ISLAND AT -Y7A- STA 11+00+/-
- MONOLITHIC ISLAND AT -Y8A- STA 11+50+/-
- MONOLITHIC ISLAND AT -Y11A- STA 10+75+/-
- MONOLITHIC ISLAND AT -Y11B- STA 11+25+/-

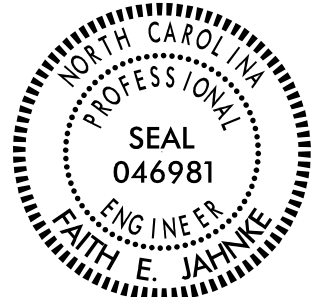
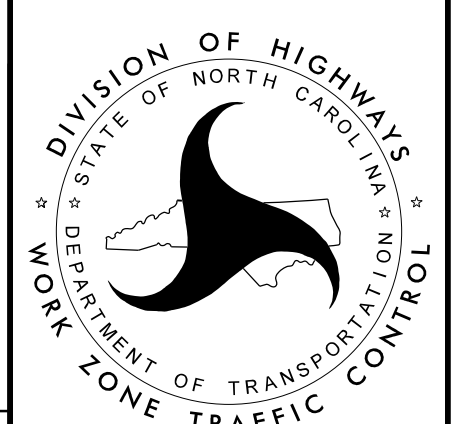
PHASE IV

STEP 1:

USING TEMPORARY LANE CLOSURES AND FLAGGING OPERATIONS AS SHOWN IN RSD 1101.02 SHEET 1 AND 2, INSTALL FINAL SIGNALS AND COVER SIGNAL HEADS UNTIL ACTIVATION IS REQUIRED, PLACE TEMPORARY PAINT PAVEMENT MARKINGS AS SHOWN ON THE PAVEMENT MARKING PLANS, REMOVE TRAFFIC CONTROL DEVICES AND OPEN TRAFFIC TO PROPOSED PATTERN.

STEP 2:

USING TEMPORARY LANE CLOSURES AND FLAGGING OPERATIONS AS SHOWN IN RSD 1101.02 SHEET 1 AND 2, PLACE FINAL SURFACE COURSE AND FINAL PAVEMENT MARKINGS AS SHOWN ON THE PAVEMENT MARKING PLANS.

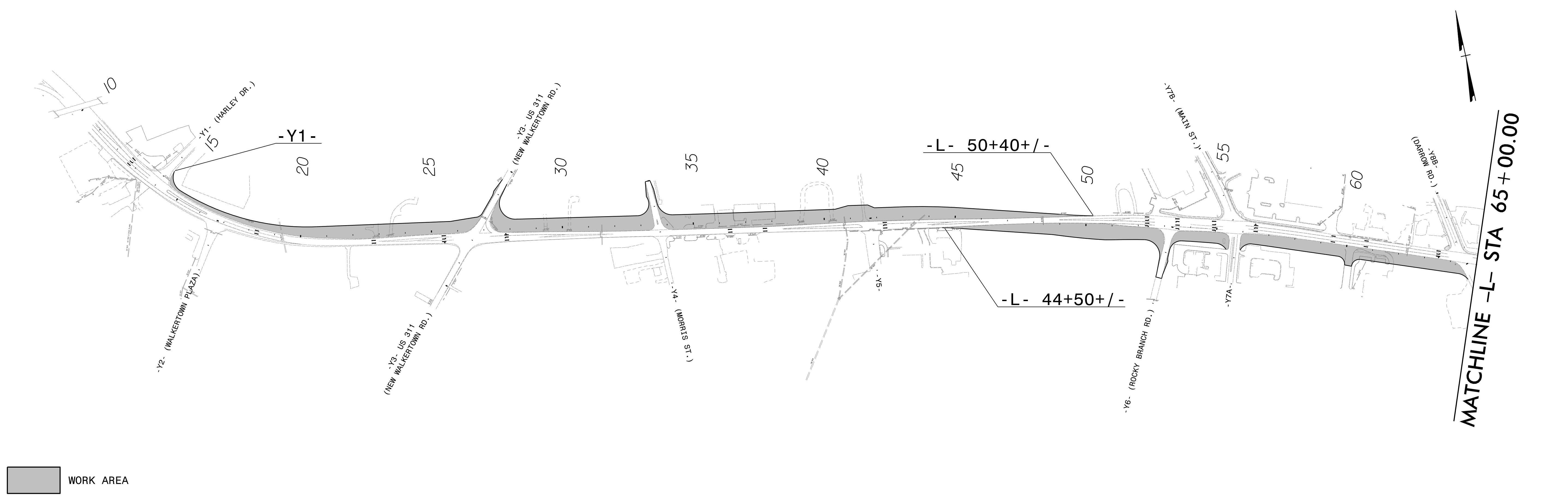
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|--|---|---|--|
| APPROVED: <i>Faith E. Jahnke</i> DATE: 9/15/2023 SEAL |  |  | MANAGEMENT STRATEGIES AND PHASING |
| DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED | | | |

PHASE I: WIDEN OLD HOLLOW ROAD AS MUCH AS POSSIBLE UP TO EXISTING ELEVATION.

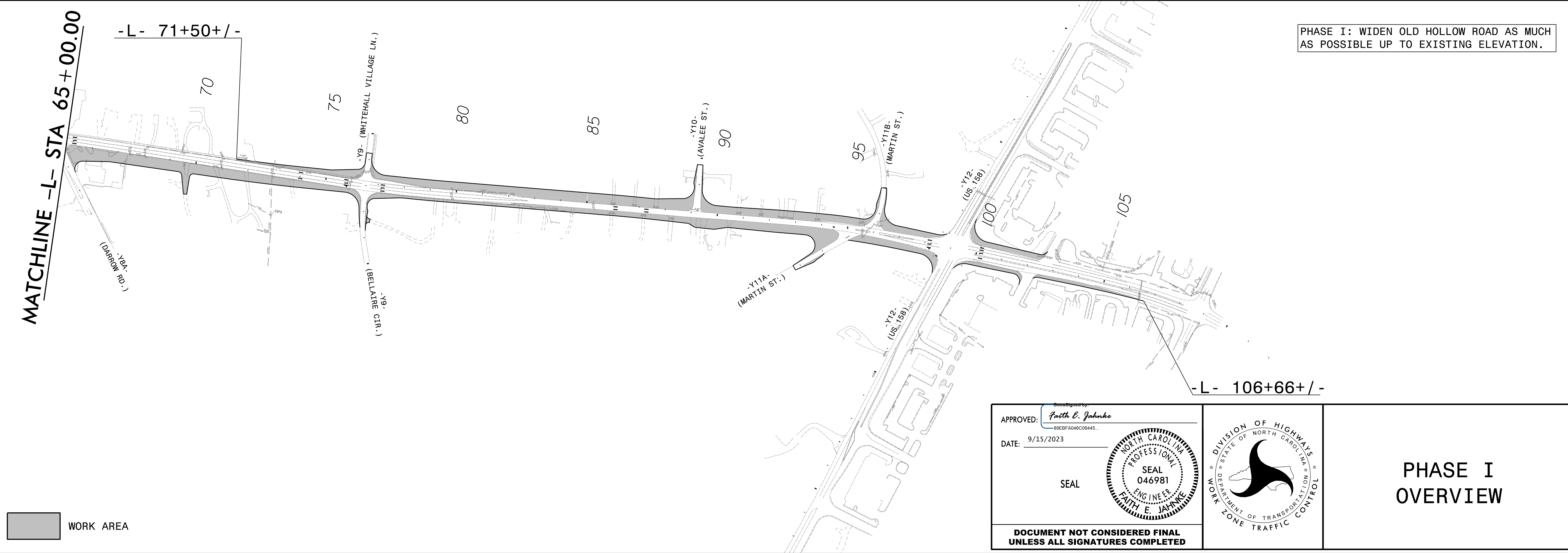


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NC FIRM LICENSE No. P-0339
220 Executive Ct.
Hillsborough, NC 27178
(919) 732-3888
(919) 732-6676 (FAX)

| PROJ. REFERENCE NO. | SHEET NO. |
|---------------------|-----------|
| U-5824 | TMP-4 |



WORK AREA



PHASE I: WIDEN OLD HOLLOW ROAD AS MUCH AS POSSIBLE UP TO EXISTING ELEVATION.

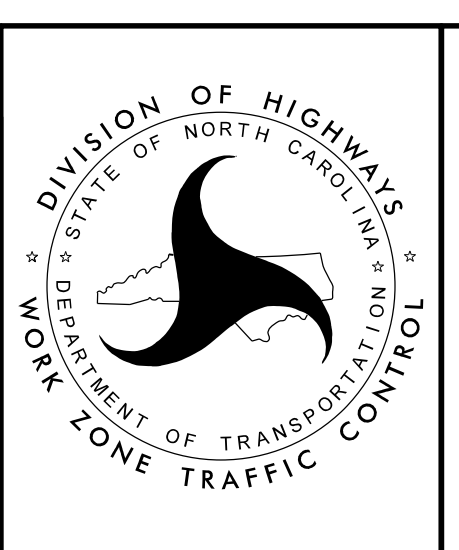
WORK AREA

15-AUG-2023 14:54
U5824-1C-TMP-4.dgn
faith.jahnke

APPROVED: *Faith E. Jahnke*
DATE: 9/15/2023

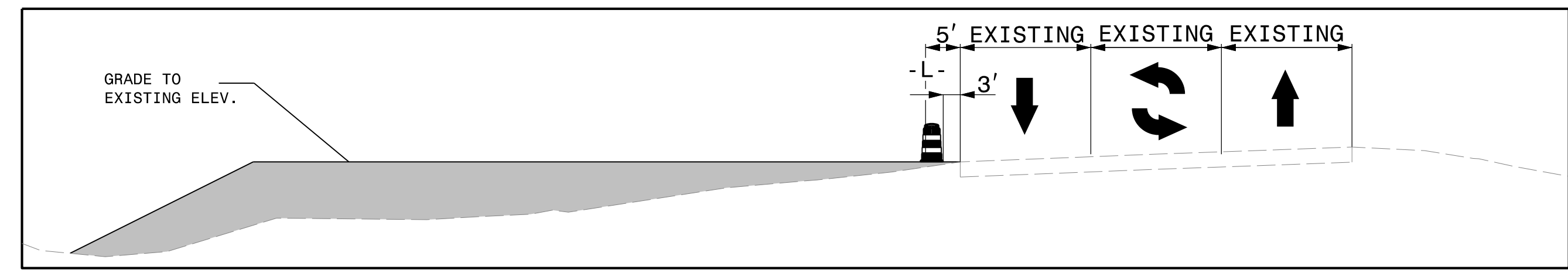
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**DOCUMENT NOT CONSIDERED FINAL
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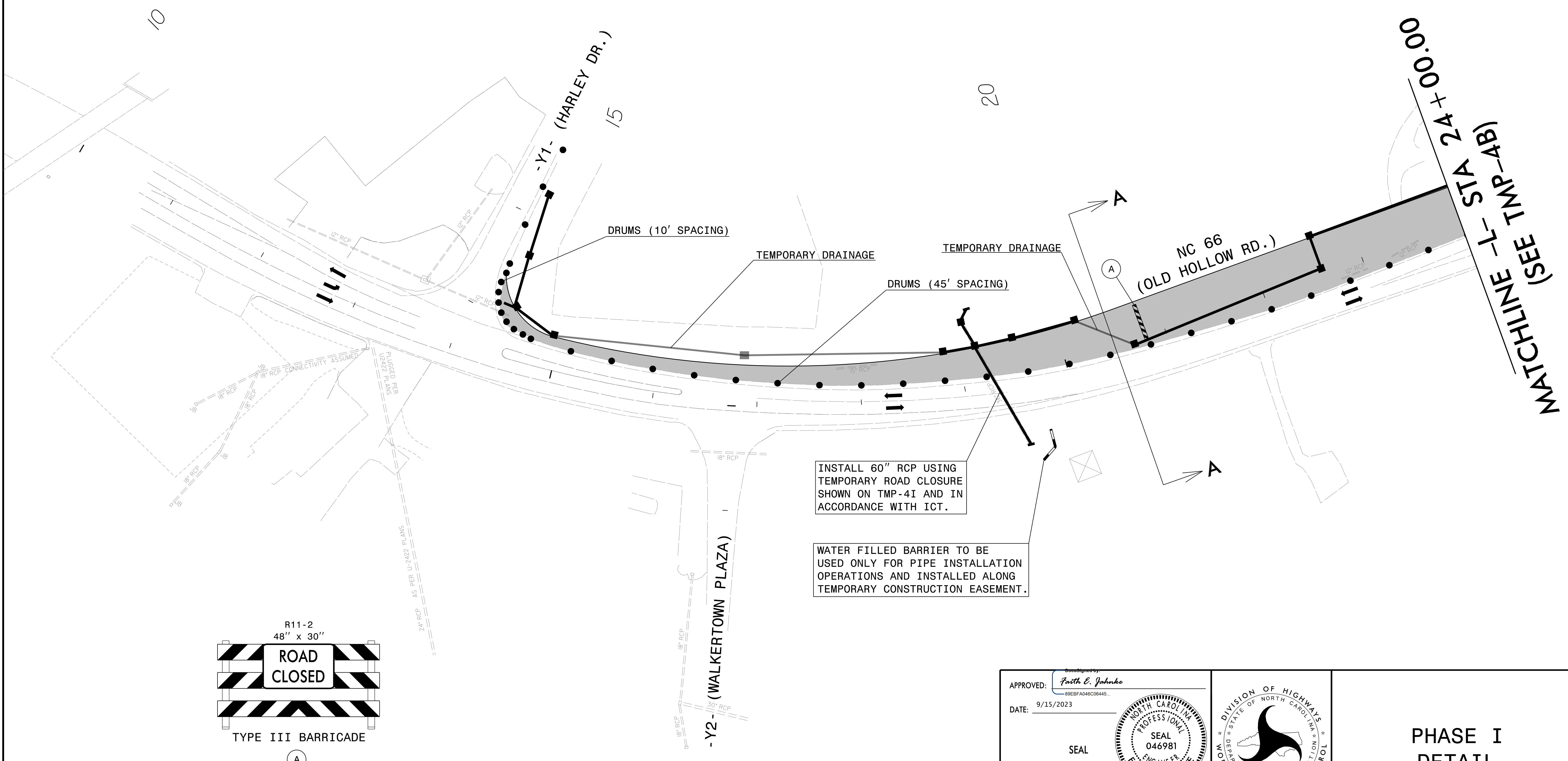
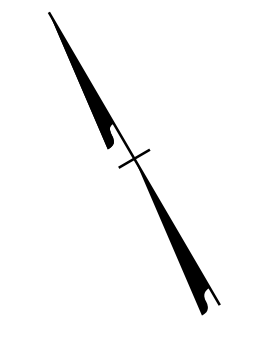


**PHASE I
OVERVIEW**

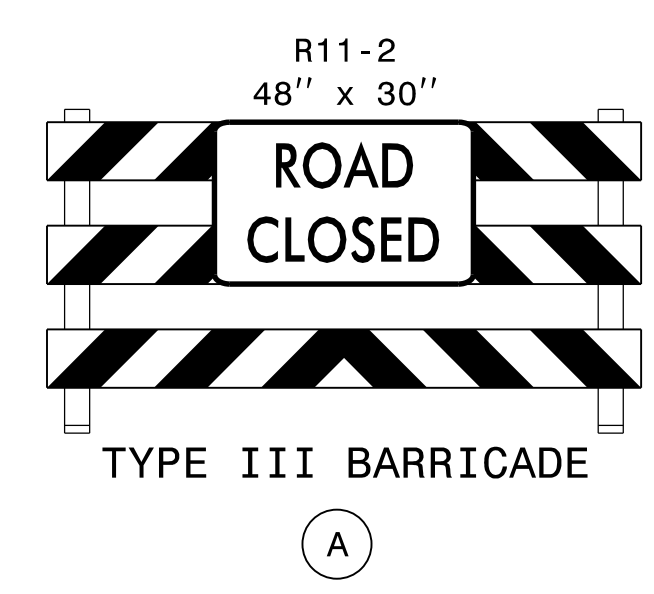
DIVISION OF HIGHWAYS
STATE OF NORTH CAROLINA
DEPARTMENT OF TRANSPORTATION
WORK ZONE TRAFFIC CONTROL



A-A
STA. 20+50



00.00+24 STA 24+00.00
MATCHLINE - L- STA 24+00.00
(SEE TMP-4B)

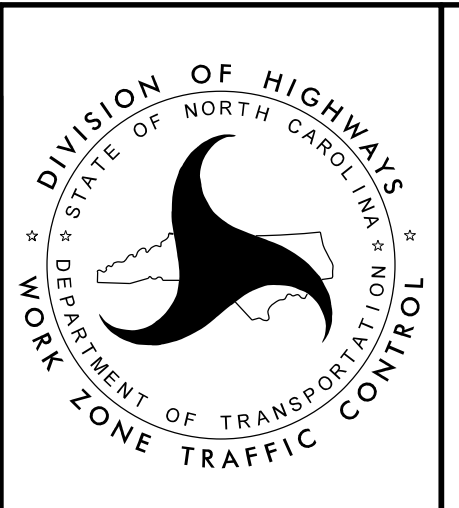


WORK AREA

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DATE: 9/15/2023

SEAL

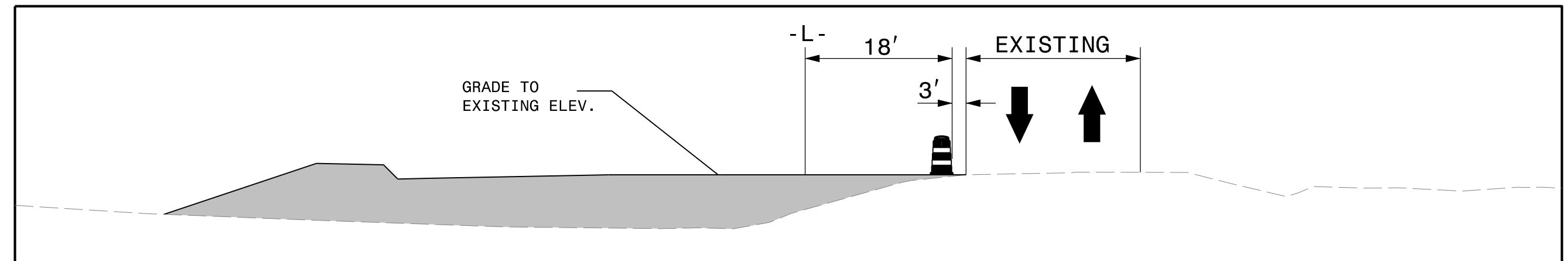
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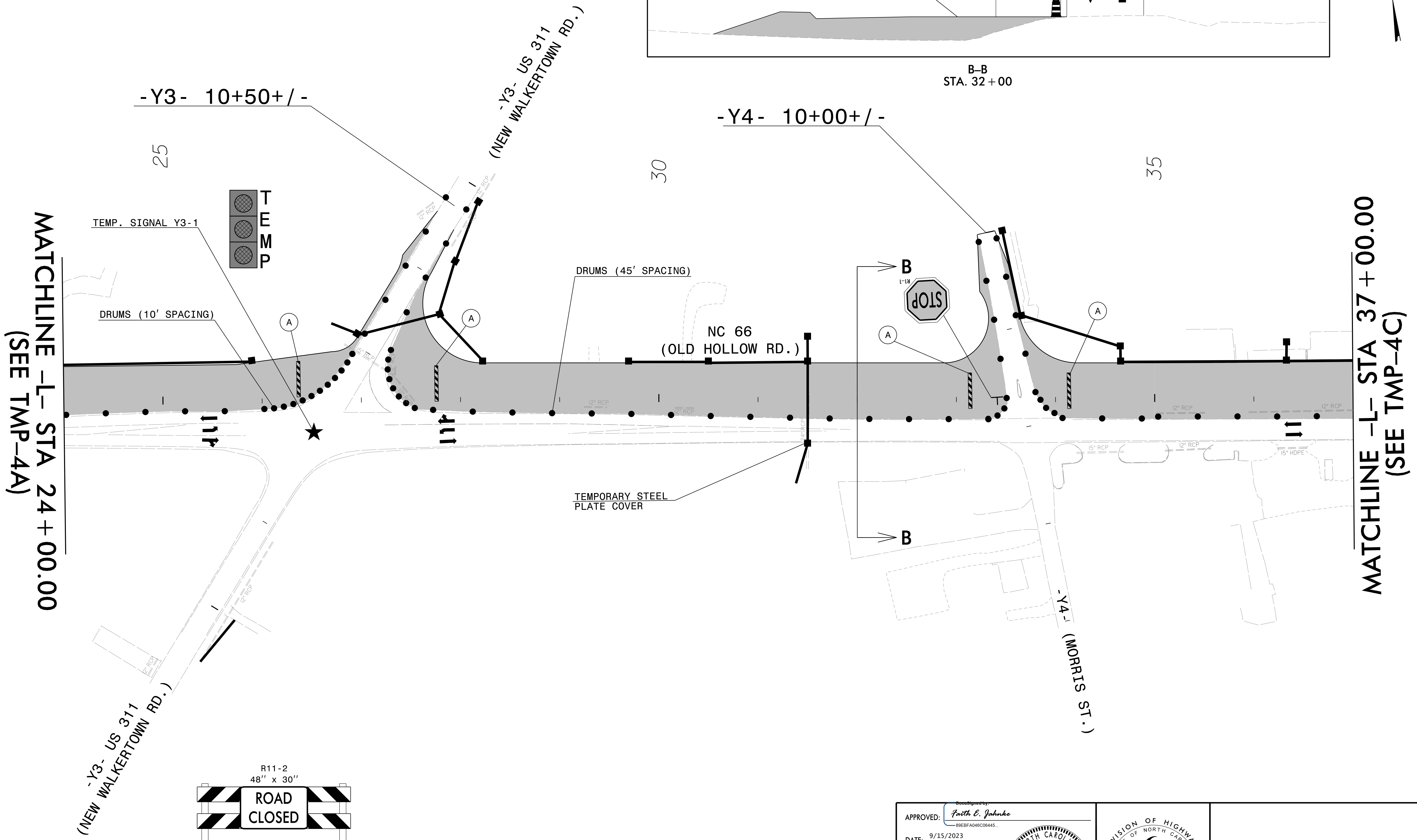
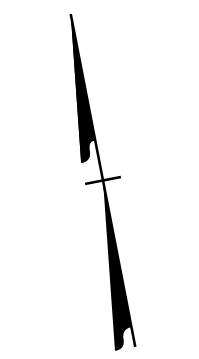
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DETAIL

15-AUG-2023 14:54
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Faith.E.Johnke

INSTALL LONGITUDINAL DRAINAGE IN SECTIONS USING TEMPORARY LANE CLOSURES AND IN ACCORDANCE WITH ICT'S.

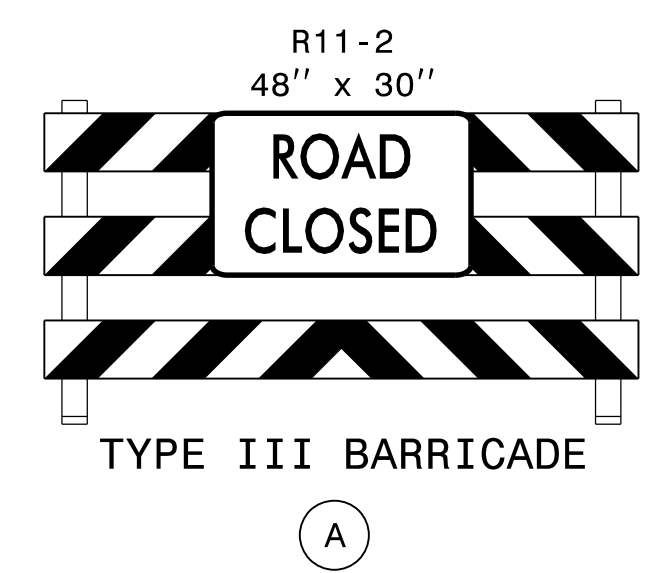


B-B
STA. 32+00



MATCHLINE -L- STA 24+00.00
(SEE TMP-4A)

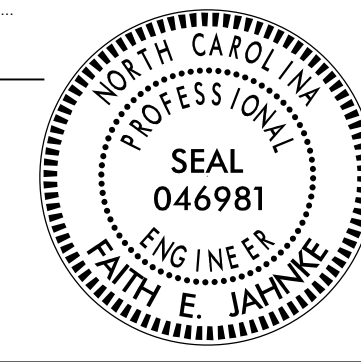
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(SEE TMP-4C)



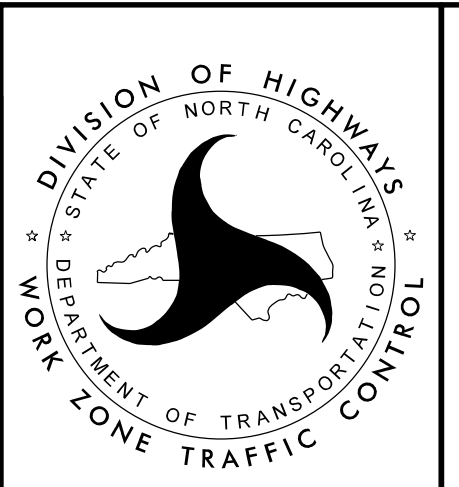
 WORK AREA

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DATE: 9/15/2023

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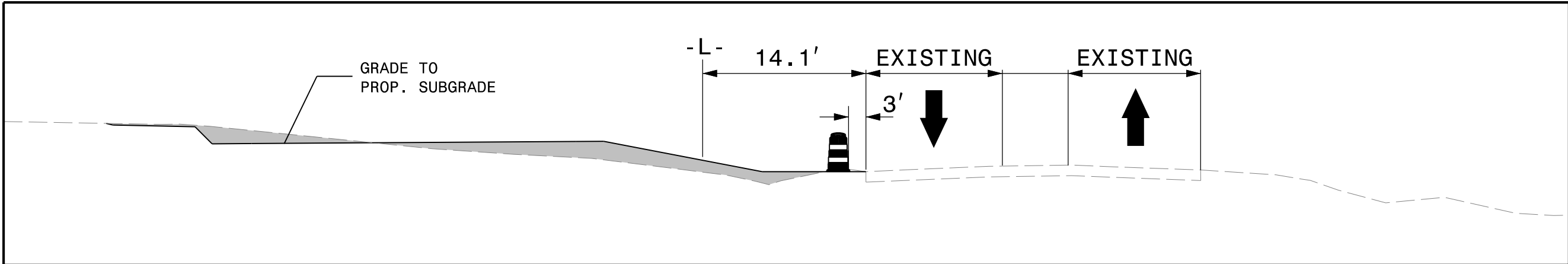


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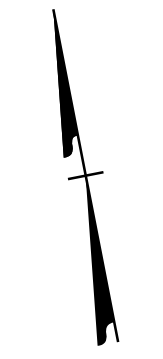


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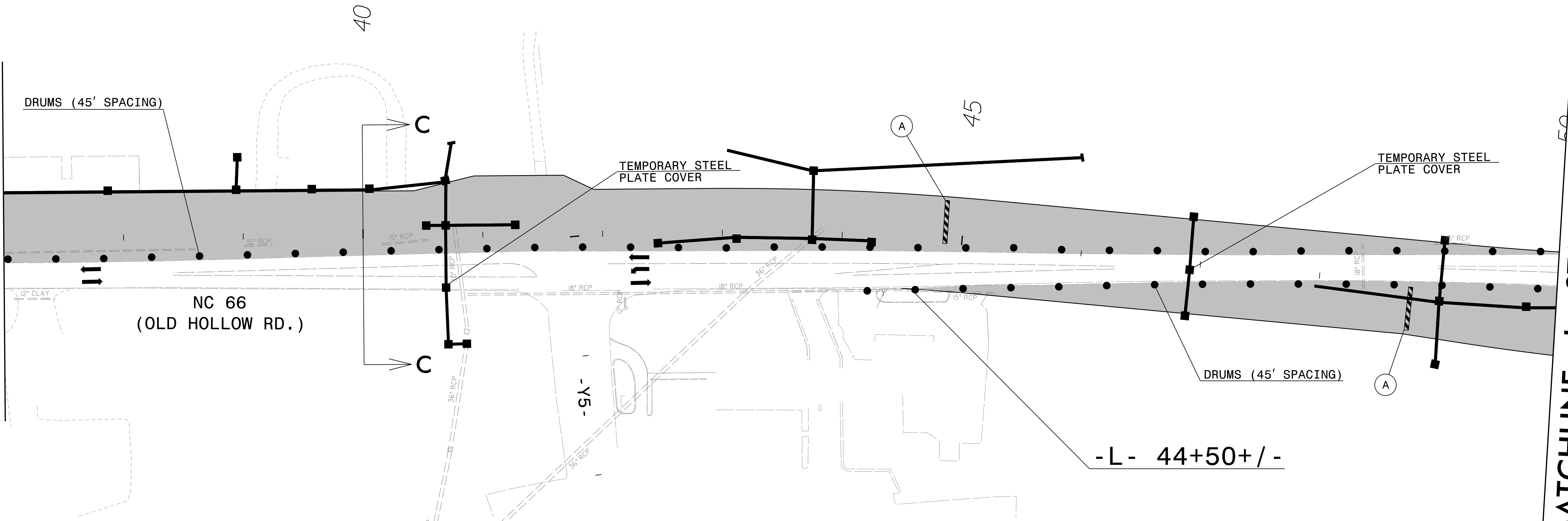
INSTALL LONGITUDINAL DRAINAGE IN SECTIONS USING TEMPORARY LANE CLOSURES AND IN ACCORDANCE WITH ICT's.



C-C
STA. 40+00

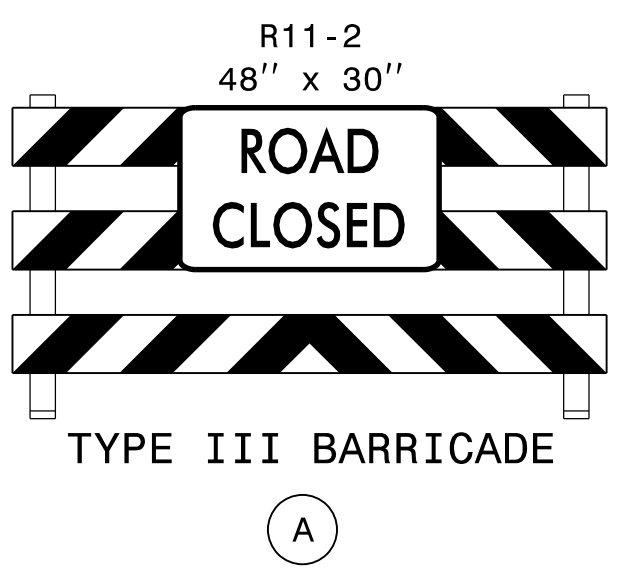


MATCHLINE -L- STA 37+00.00
(SEE TMP-4B)



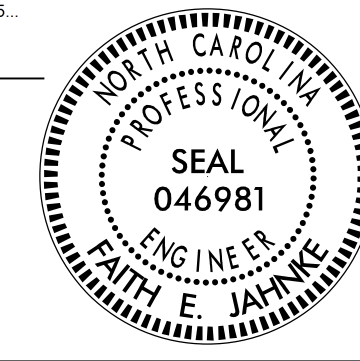
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(SEE TMP-4D)

 WORK AREA

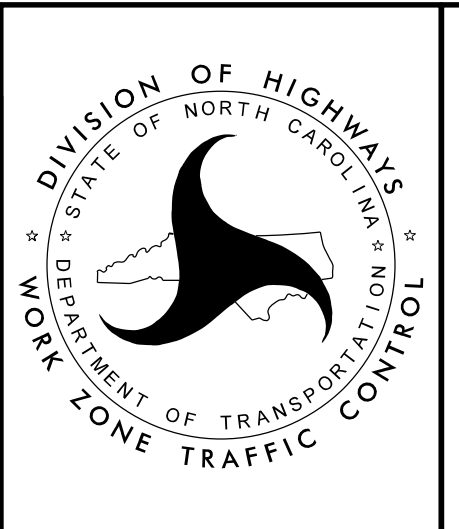


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DATE: 9/15/2023

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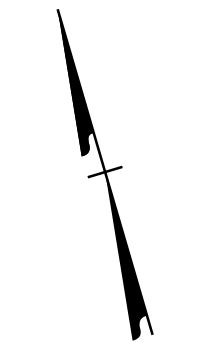
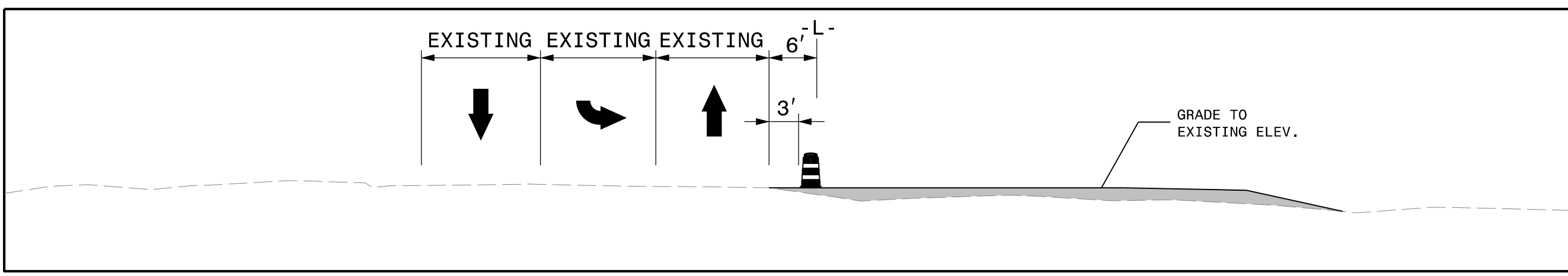


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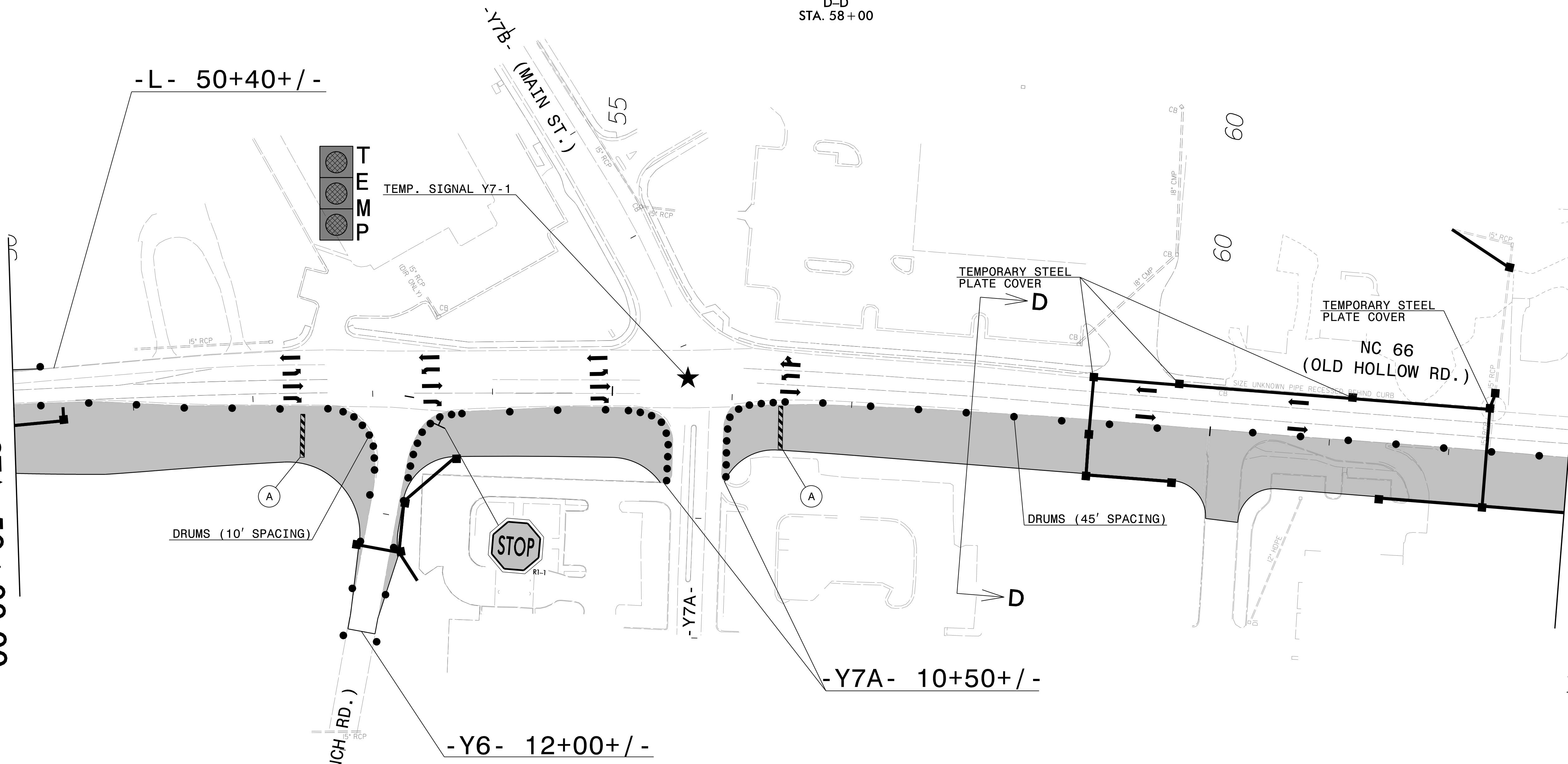


PHASE I
DETAIL

INSTALL LONGITUDINAL DRAINAGE IN SECTIONS USING TEMPORARY LANE CLOSURES AND IN ACCORDANCE WITH ICT'S.



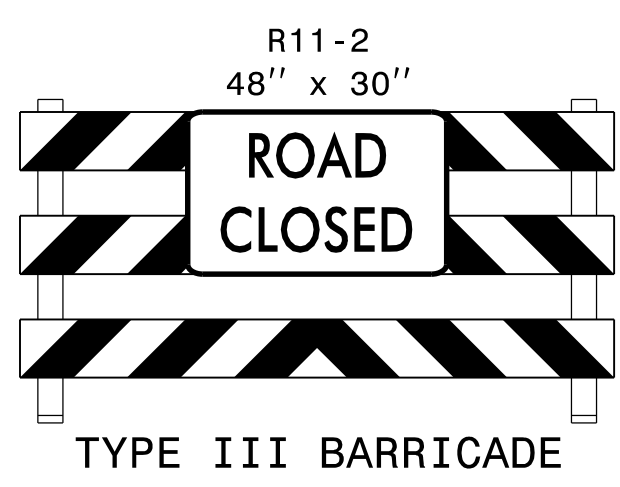
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(SEE TMP-4C)



MATCHLINE -L- STA 63+00.00
(SEE TMP-4E)

DRUMS (10' SPACING)

DRUMS (45' SPACING)



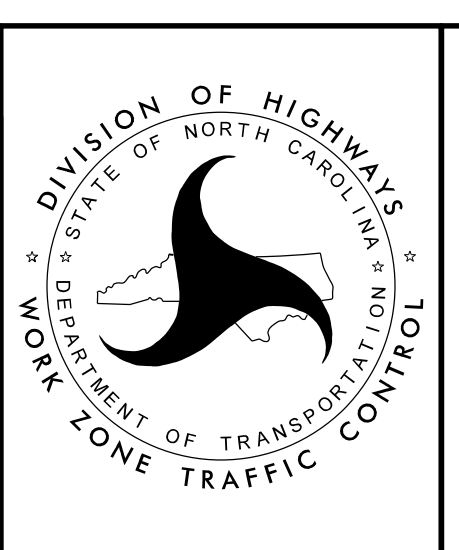
(A)

WORK AREA

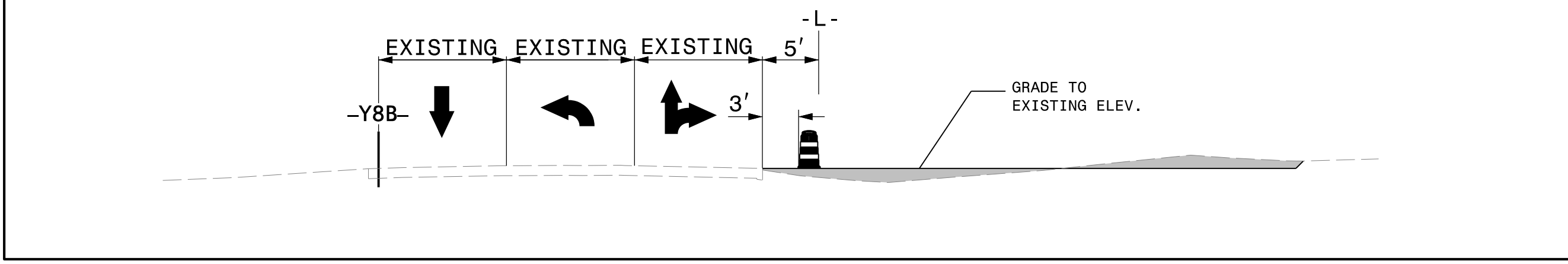
APPROVED: *Faith E. Jahnke*
DATE: 9/15/2023

SEAL

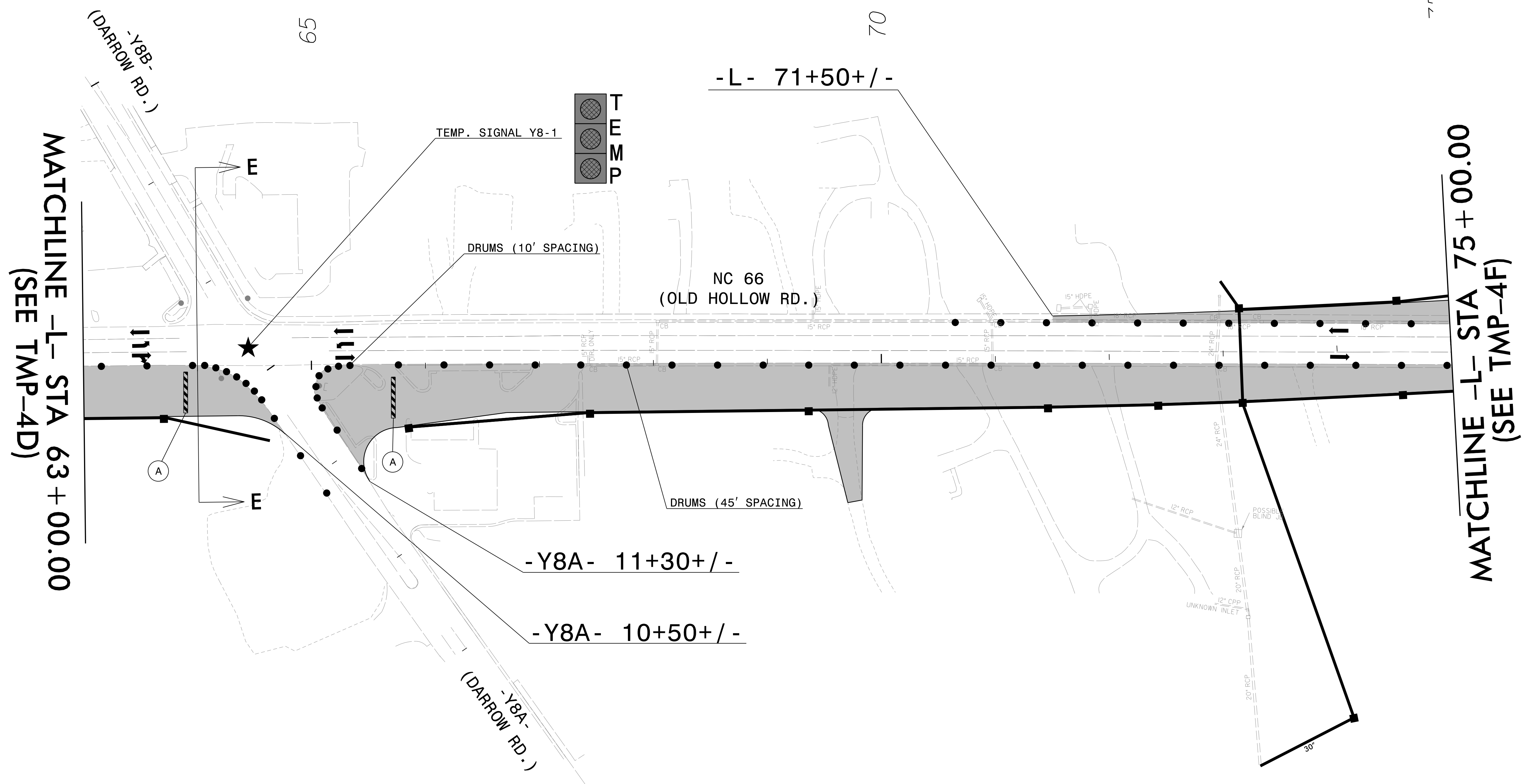
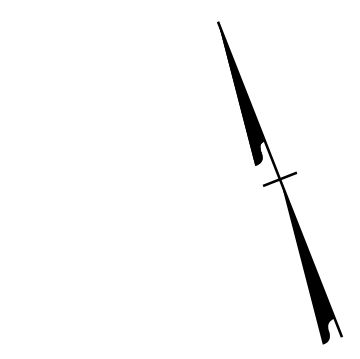
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PHASE I
DETAIL

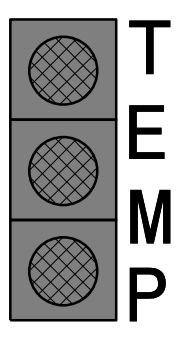


E-E
STA. 64+00



MATCHLINE -L- STA 63+00.00
(SEE TMP-4D)

MATCHLINE -L- STA 75+00.00
(SEE TMP-4F)



TEMP. SIGNAL Y8-1

DRUMS (10' SPACING)

NC 66
(OLD HOLLOW RD.)

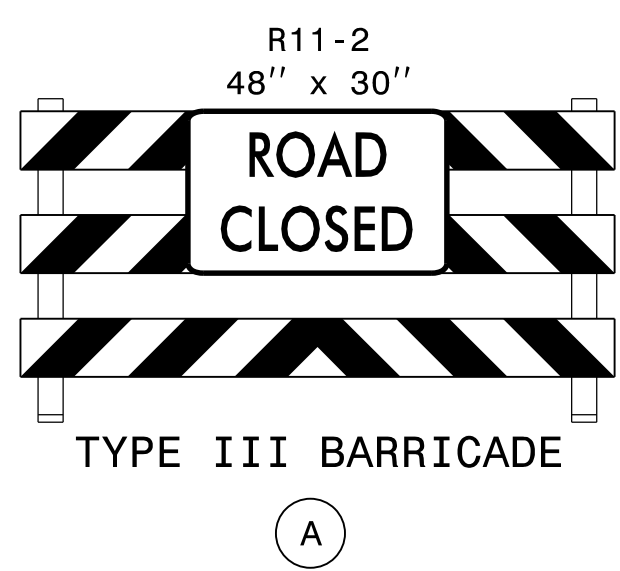
DRUMS (45' SPACING)

-Y8A- 11+30+/-

-Y8A- 10+50+/-

WORK AREA

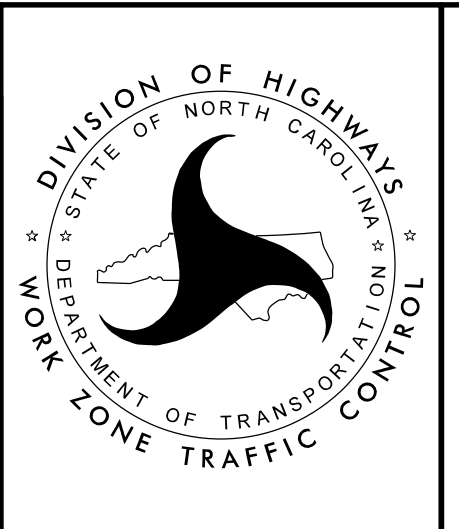
INSTALL LONGITUDINAL DRAINAGE IN SECTIONS USING TEMPORARY LANE CLOSURES AND IN ACCORDANCE WITH ICT's.



APPROVED: *Faith E. Jahnke*
DATE: 9/15/2023

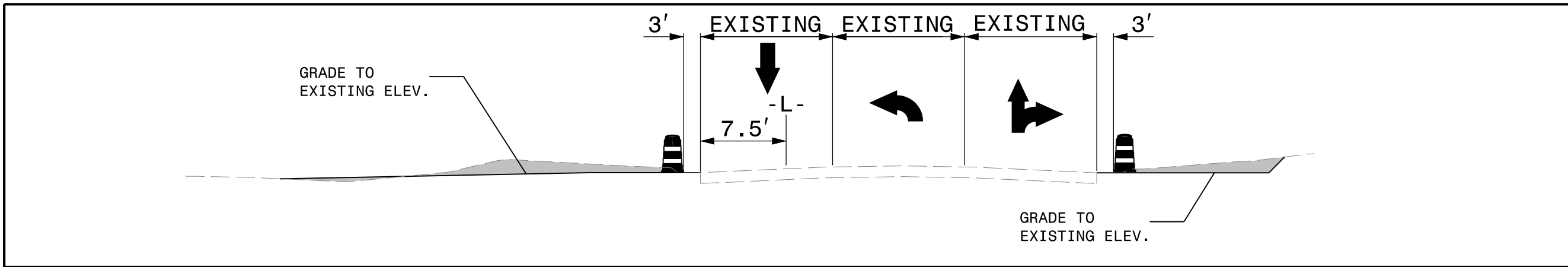
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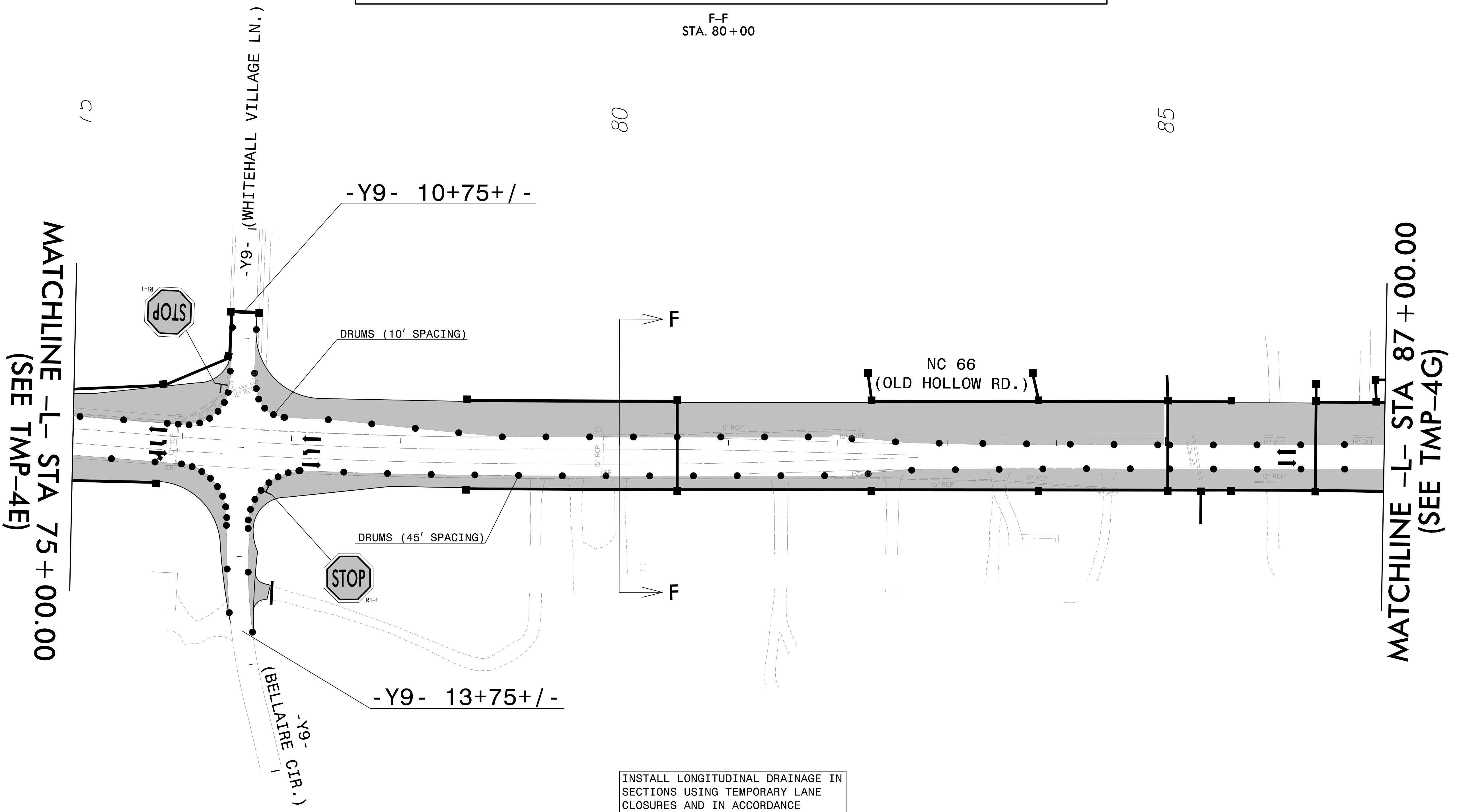
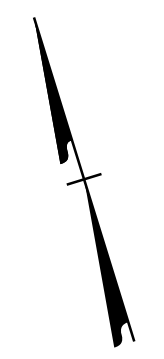


PHASE I
DETAIL

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faith.jahnke



F-F
STA. 80+00



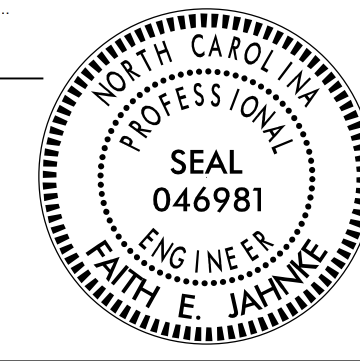
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(SEE TMP-4E)

MATCHLINE -L- STA 87+00.00
(SEE TMP-4G)

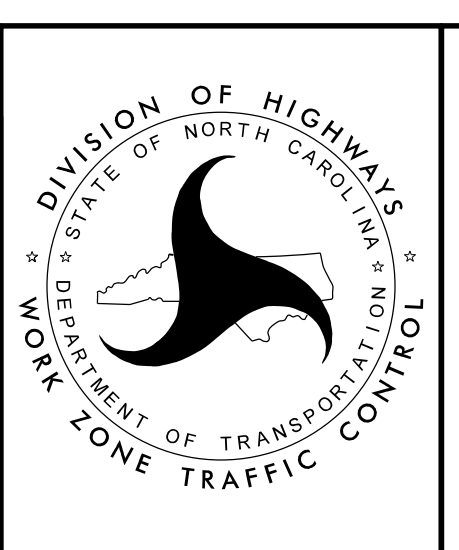
 WORK AREA

APPROVED: *Faith E. Jahnske*
DATE: 9/15/2023

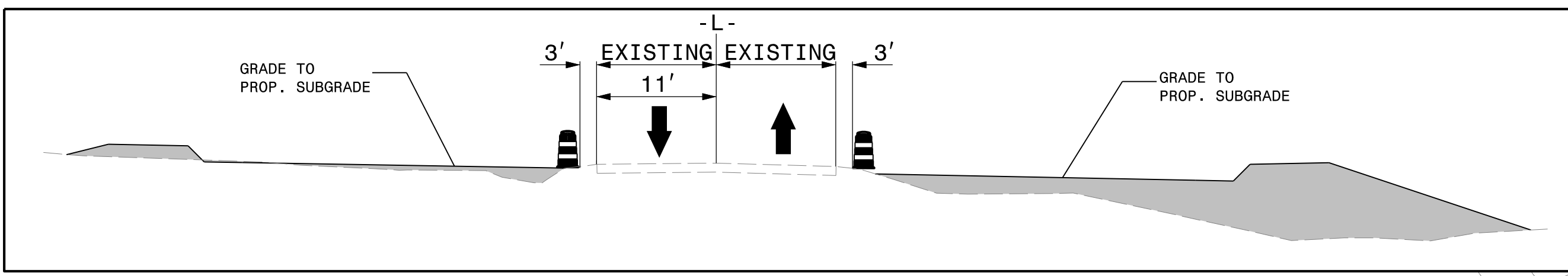
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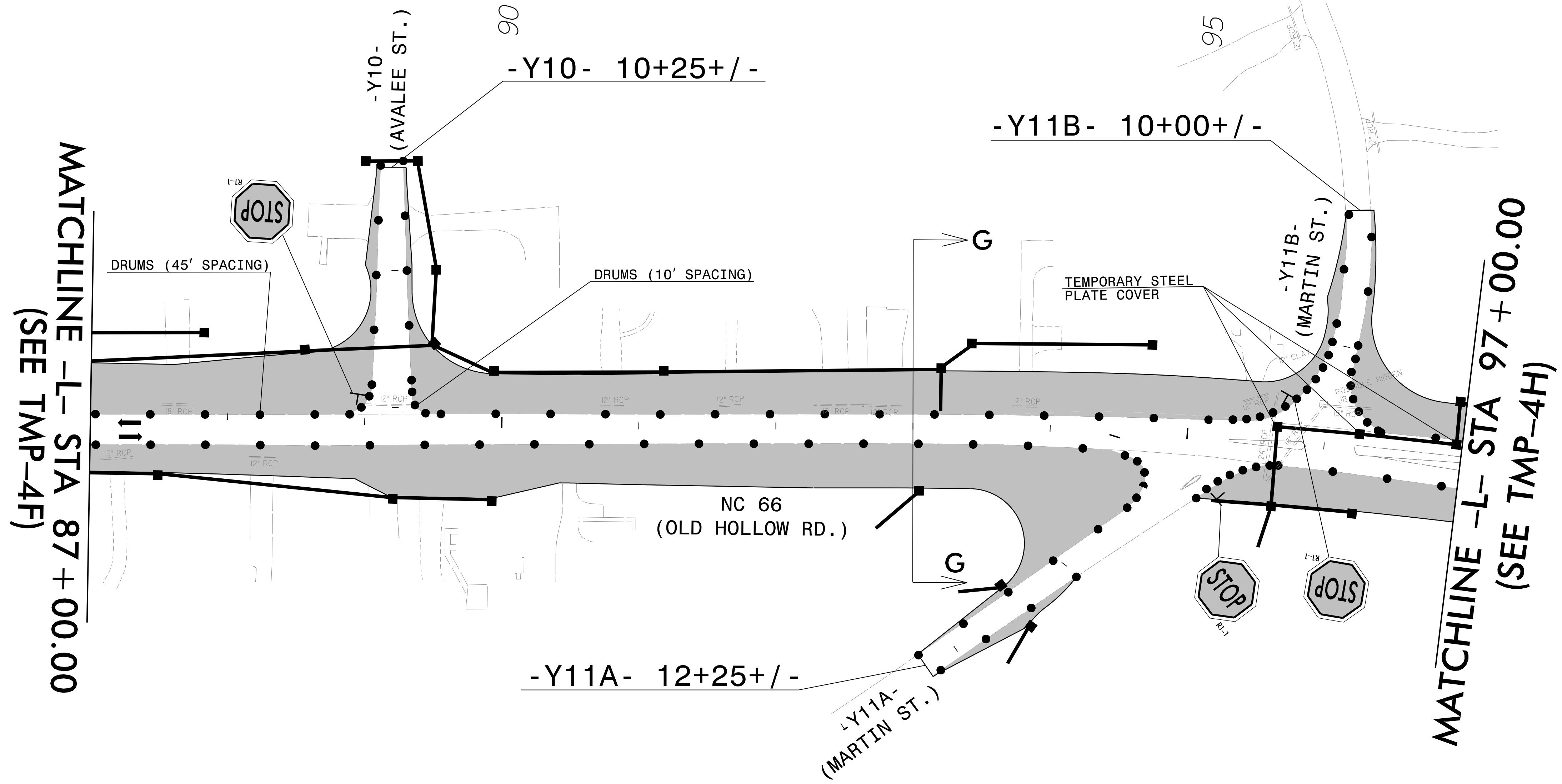
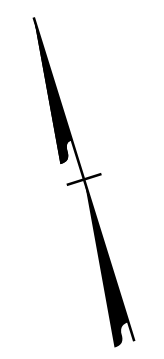
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PHASE I
DETAIL



G-G
STA. 93+00



MATCHLINE -L- STA 87 + 00.00
(SEE TMP-4F)

MATCHLINE -L- STA 97 + 00.00
(SEE TMP-4H)

NC 66
(OLD HOLLOW RD.)

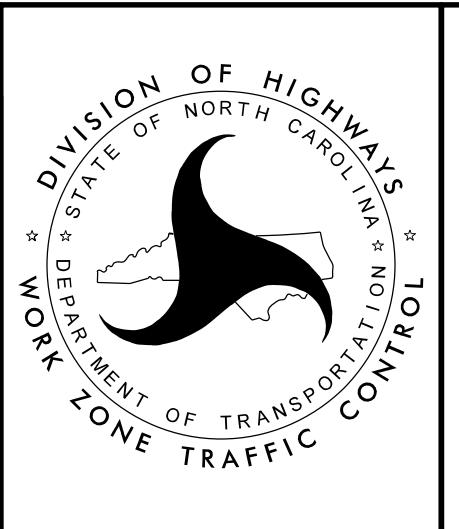
WORK AREA

INSTALL LONGITUDINAL DRAINAGE IN SECTIONS USING TEMPORARY LANE CLOSURES AND IN ACCORDANCE WITH ICT'S.

APPROVED: *Faith E. Jahnke*
 DATE: 9/15/2023

SEAL

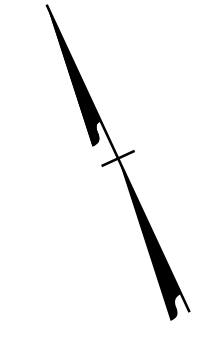
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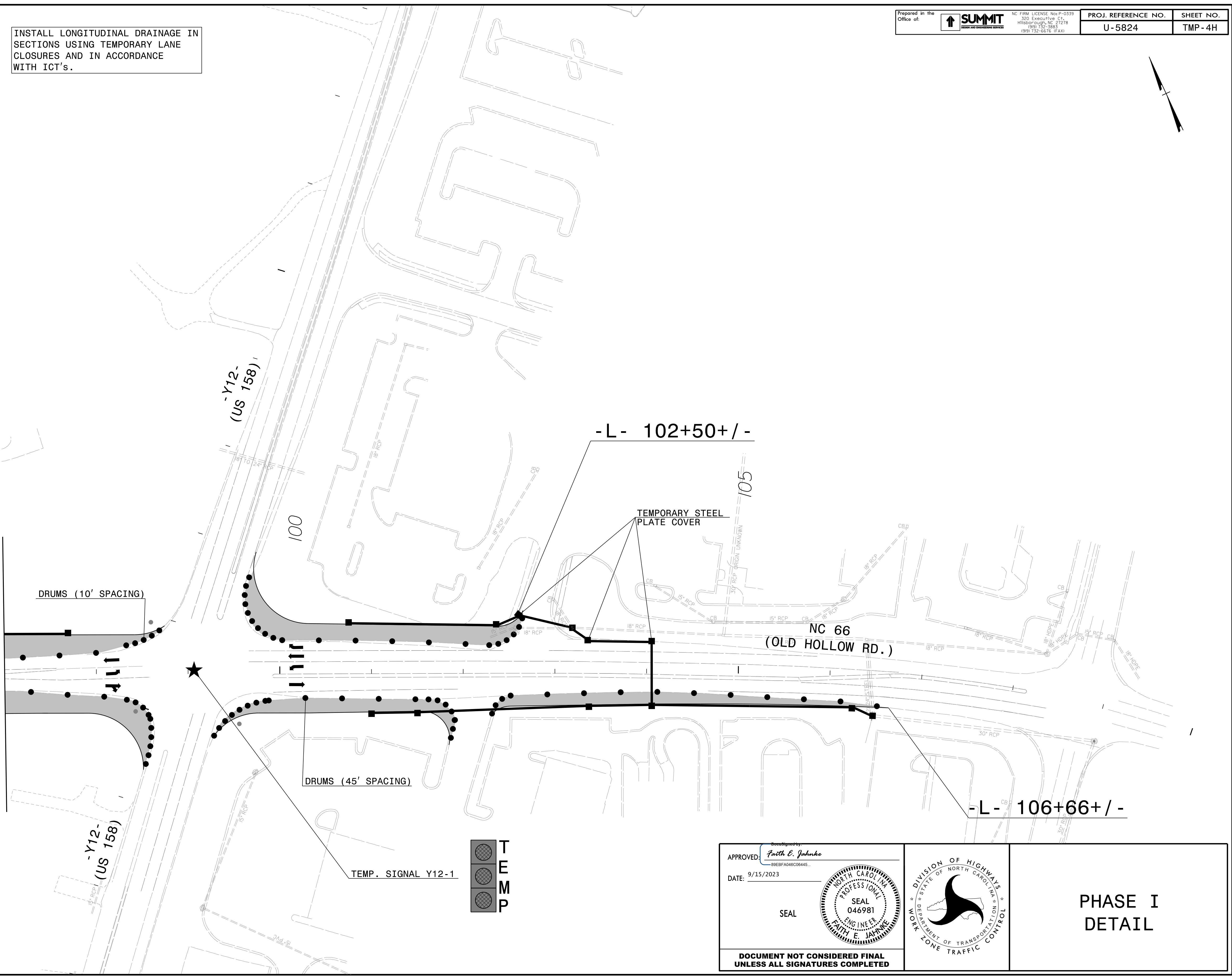
PHASE I
DETAIL

15-AUG-2023 14:54
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faith.jahnke

INSTALL LONGITUDINAL DRAINAGE IN SECTIONS USING TEMPORARY LANE CLOSURES AND IN ACCORDANCE WITH ICT'S.



MATCHLINE -L- STA 97+00.00
(SEE TMP-4G)



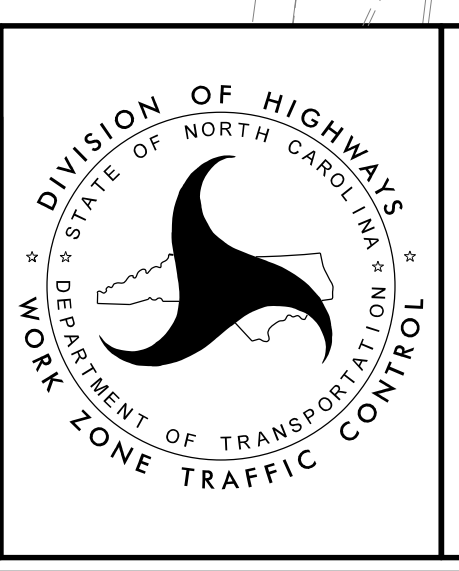
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WORK AREA

APPROVED: *Faith E. Jahnske*
 DATE: 9/15/2023

SEAL

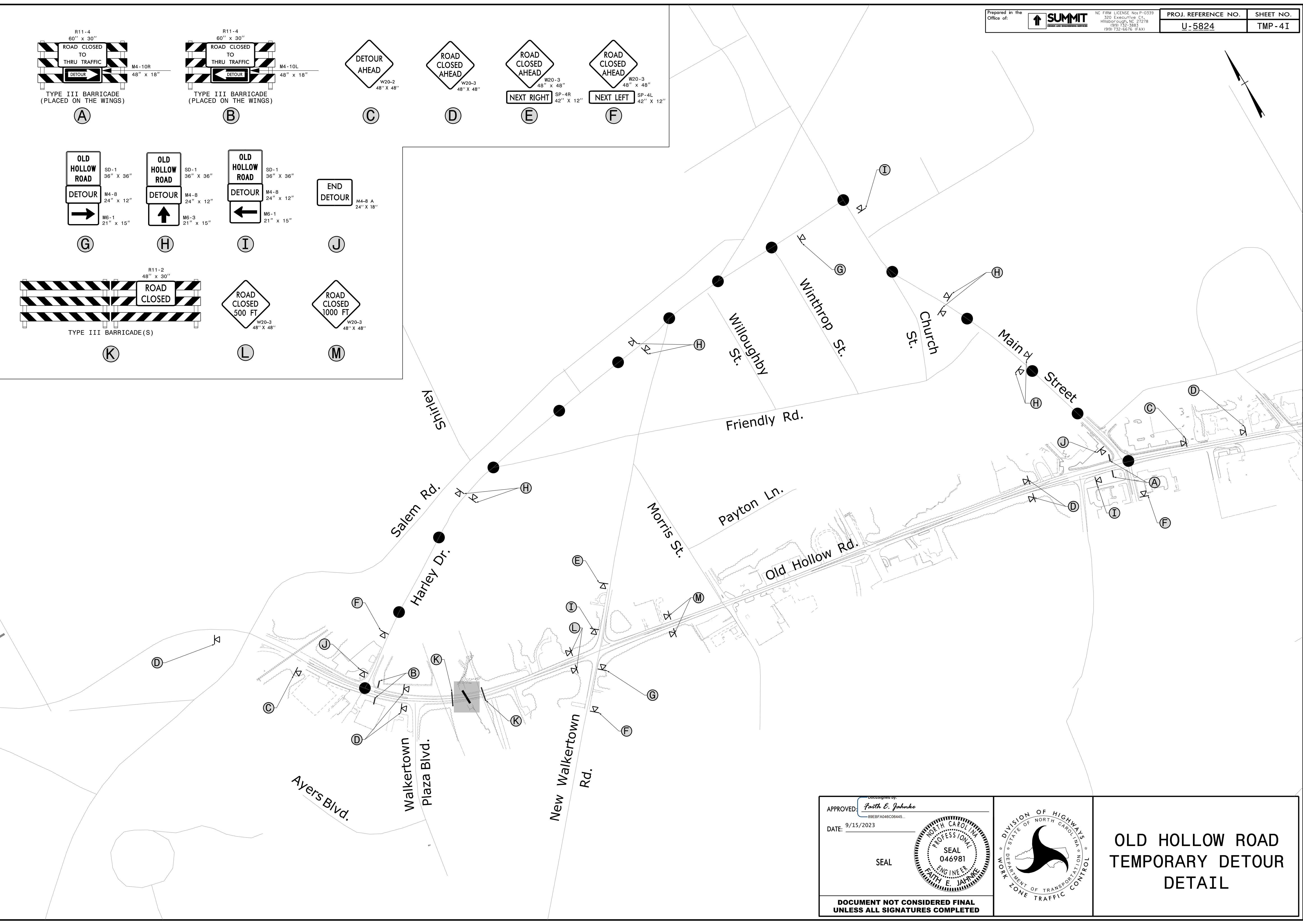
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STATE OF NORTH CAROLINA
DEPARTMENT OF TRANSPORTATION
WORK ZONE TRAFFIC CONTROL

PHASE I
DETAIL

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TYPE III BARRICADE (PLACED ON THE WINGS)

(A) R11-4 60" x 30" ROAD CLOSED TO THRU TRAFFIC DETOUR M4-10R 48" x 18"

(B) R11-4 60" x 30" ROAD CLOSED TO THRU TRAFFIC DETOUR M4-10L 48" x 18"

(C) W20-2 48" x 48" DETOUR AHEAD

(D) W20-3 48" x 48" ROAD CLOSED AHEAD

(E) W20-3 48" x 48" ROAD CLOSED AHEAD NEXT RIGHT SP-4R 42" x 12"

(F) W20-3 48" x 48" ROAD CLOSED AHEAD NEXT LEFT SP-4L 42" x 12"

(G) SD-1 36" x 36" OLD HOLLOW ROAD M4-8 24" x 12" DETOUR M6-1 21" x 15"

(H) SD-1 36" x 36" OLD HOLLOW ROAD M4-8 24" x 12" DETOUR M6-3 21" x 15"

(I) SD-1 36" x 36" OLD HOLLOW ROAD M4-8 24" x 12" DETOUR M6-1 21" x 15"

(J) M4-8 A 24" x 18" END DETOUR

(K) R11-2 48" x 30" TYPE III BARRICADE(S) ROAD CLOSED

(L) W20-3 48" x 48" ROAD CLOSED 500 FT

(M) W20-3 48" x 48" ROAD CLOSED 1000 FT

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| | | |
|--|--|--|
| APPROVED: <i>Faith E. Jahnke</i> DATE: 9/15/2023 SEAL | | OLD HOLLOW ROAD TEMPORARY DETOUR DETAIL |
| DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED | | |

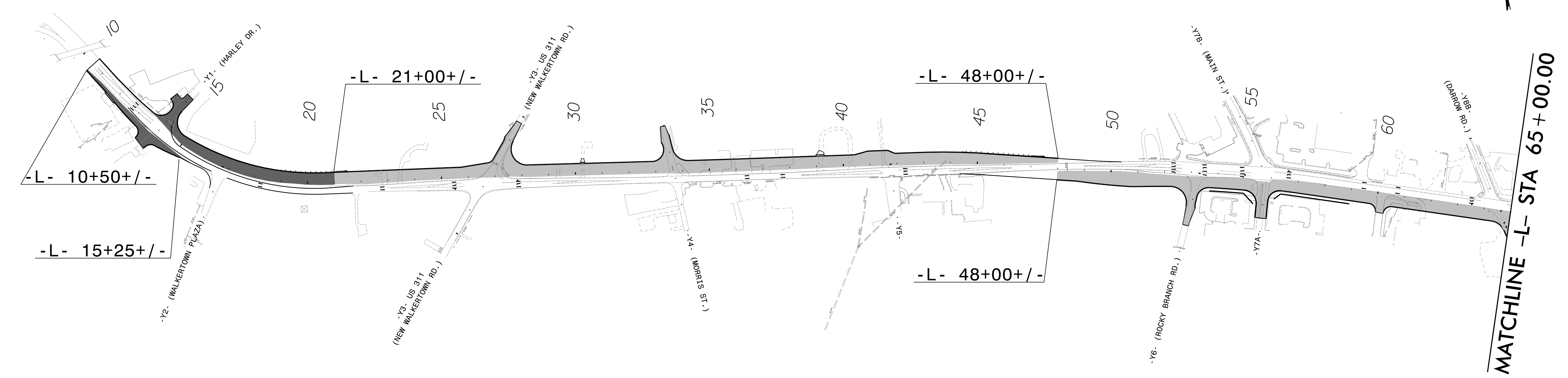


Prepared in the Office of: **SUMMIT** NC FIRM LICENSE No. P-0339
220 Executive Ct.
Hillsborough, NC 27118
(919) 732-3888
(919) 732-6676 (FAX)

| | |
|---------------------|-----------|
| PROJ. REFERENCE NO. | SHEET NO. |
| U-5824 | TMP-5 |

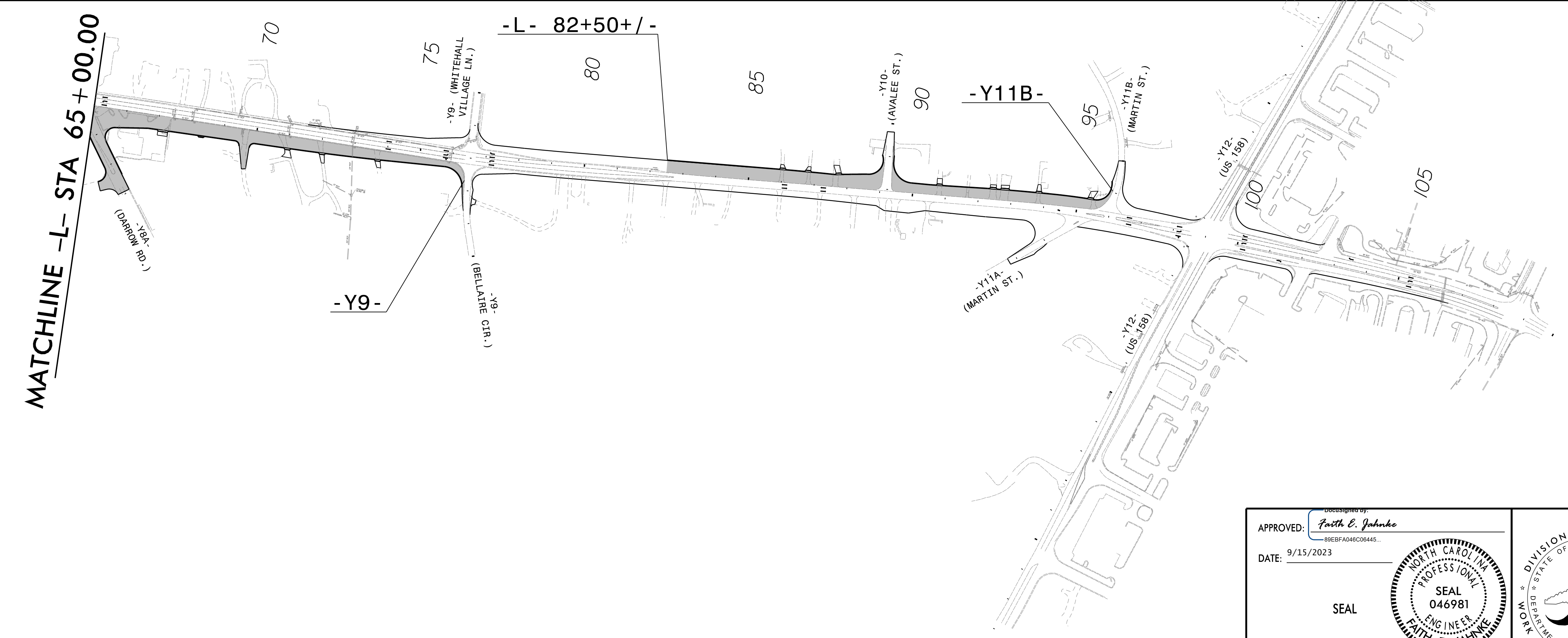
PHASE IA: CONSTRUCT AS MUCH AS POSSIBLE OF EASTBOUND AND WESTBOUND LANES WITHOUT ALTERING EXISTING TRAFFIC PATTERNS.

PHASE IA (STEP 7): CONSTRUCT EASTBOUND LANES, PLACE TEMPORARY PAVEMENT, SHIFT TRAFFIC, CONSTRUCT WESTBOUND LANES AND -Y1-



PHASE 1A (STEP 7)

WORK AREA



PHASE IA: CONSTRUCT AS MUCH AS POSSIBLE OF EASTBOUND AND WESTBOUND LANES WITHOUT ALTERING EXISTING TRAFFIC PATTERNS.

WORK AREA

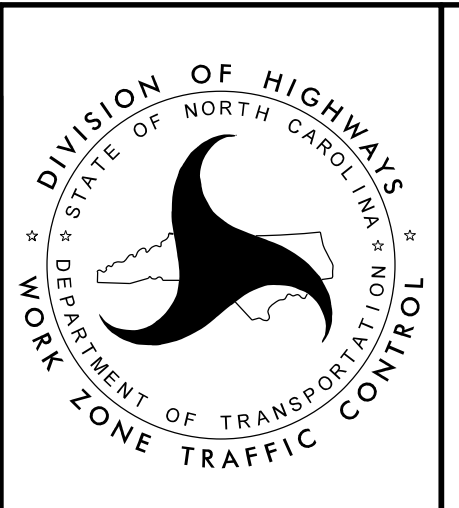
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DATE: 9/15/2023

SEAL

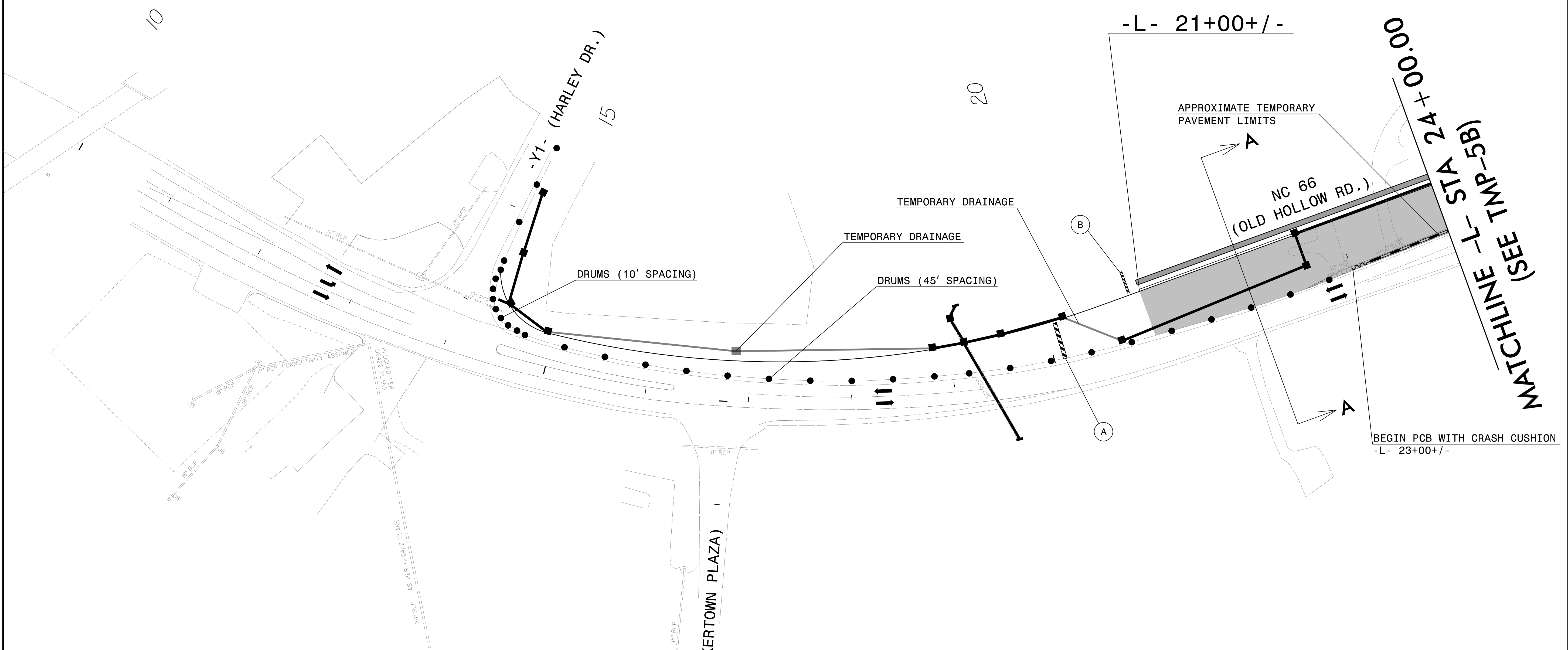
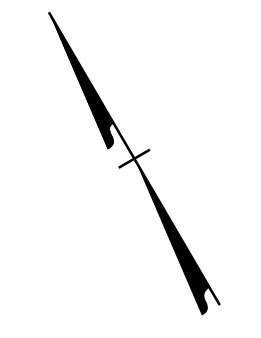
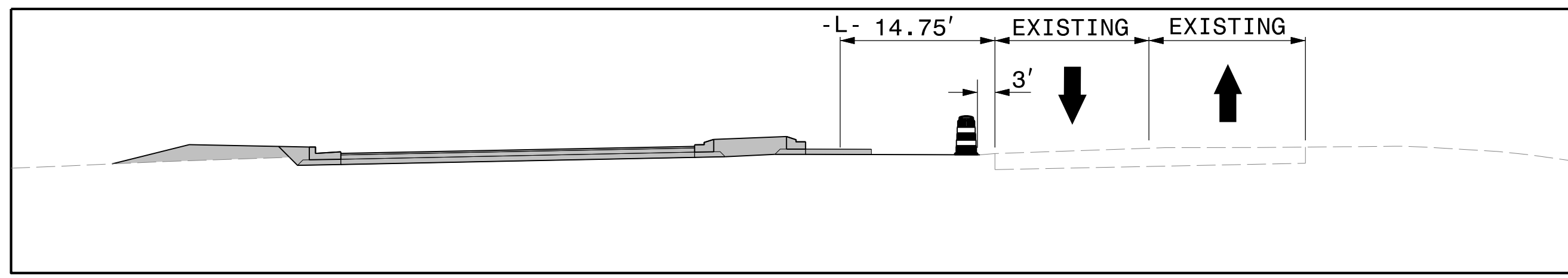
SEAL
NORTH CAROLINA
PROFESSIONAL
ENGINEER
046981
FAITH E. JAHNKE

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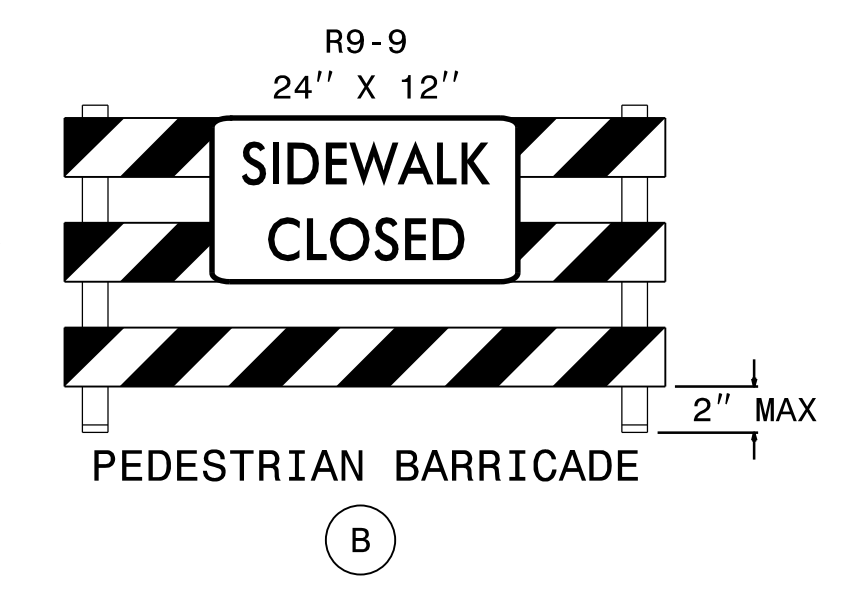
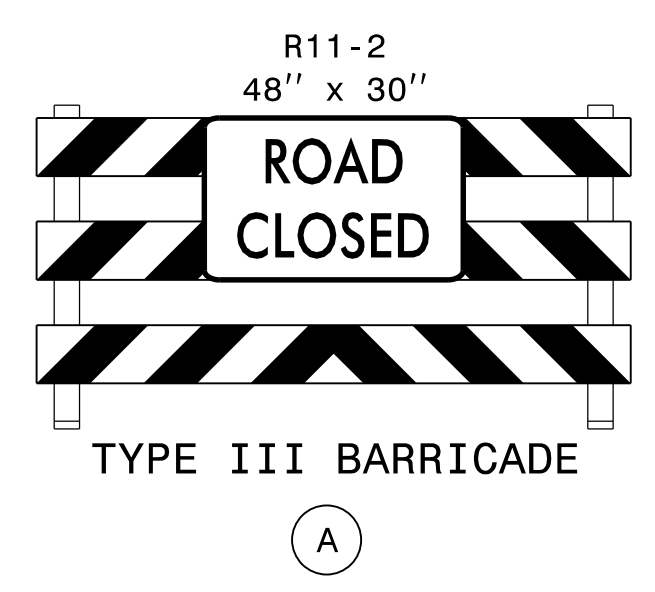
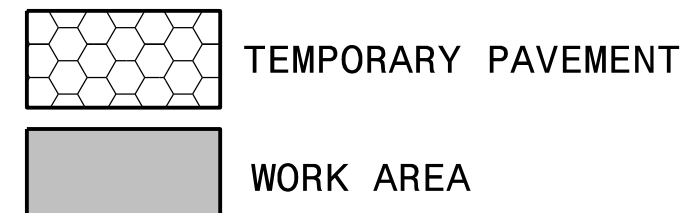


**PHASE IA
OVERVIEW**

SEE ROADWAY DETAIL SHEETS FOR
TEMPORARY PAVEMENT DETAILS



MATCHLINE -L- STA 24+00.00 (SEE TMP-5B)

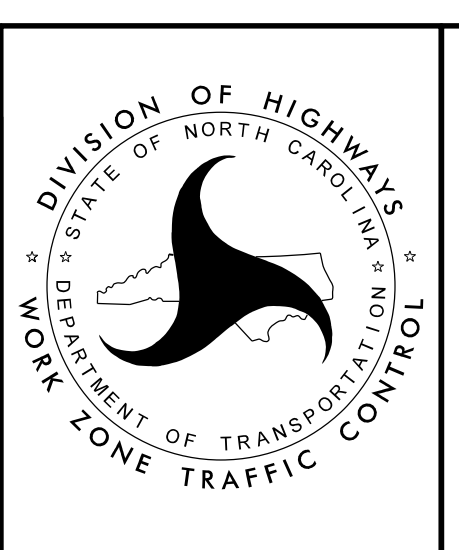


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DATE: 9/15/2023

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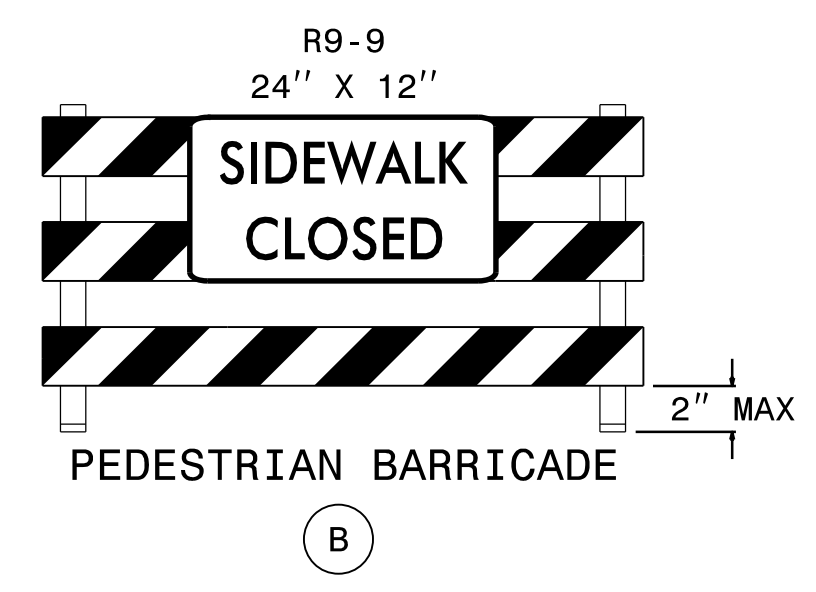
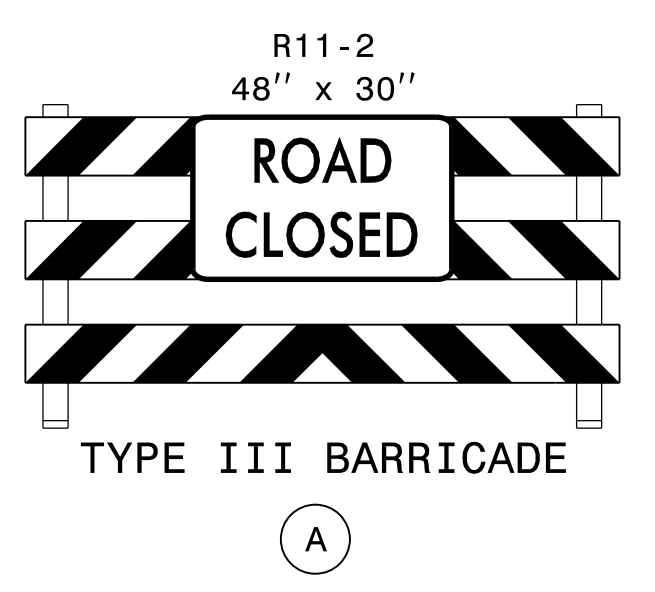
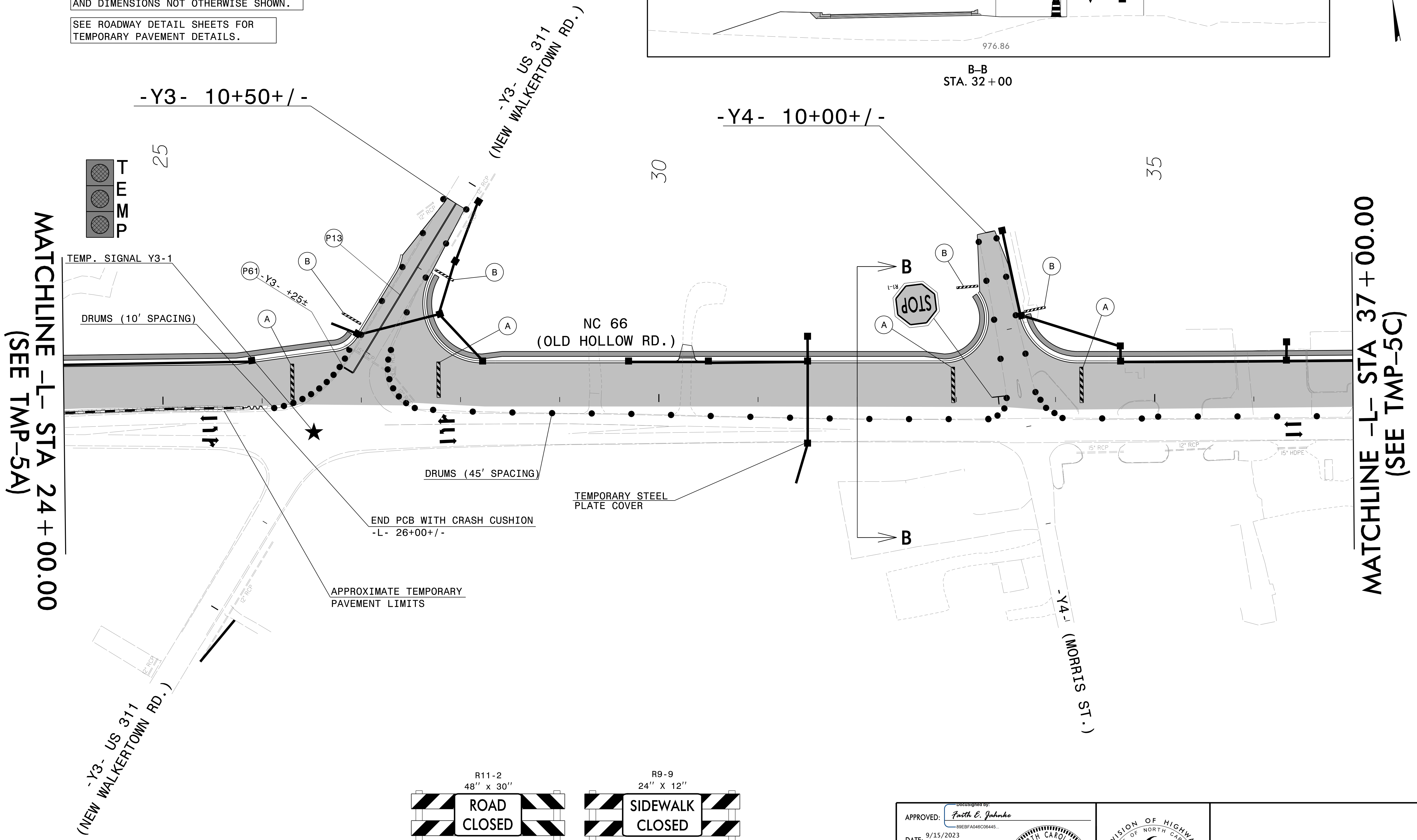
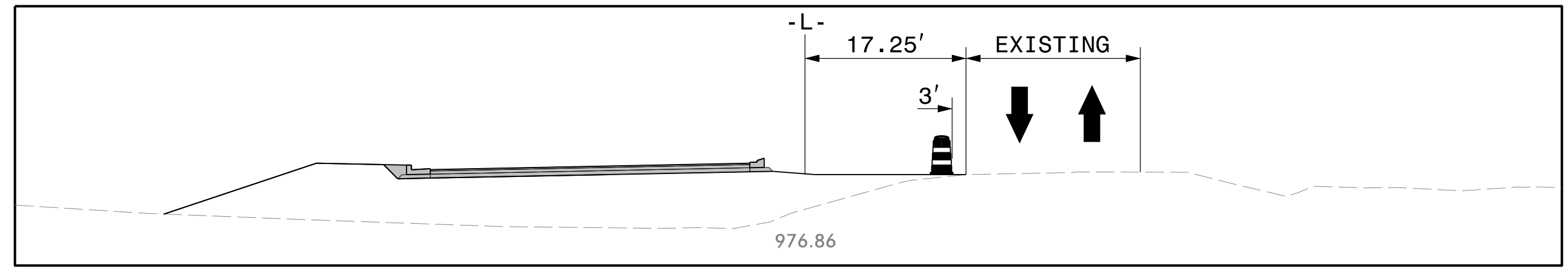
PHASE IA
DETAIL

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INSTALL LONGITUDINAL DRAINAGE IN SECTIONS USING TEMPORARY LANE CLOSURES AND IN ACCORDANCE WITH ICT'S.

REFERENCE PAVEMENT MARKING PLANS FOR -Y- LINE PAVEMENT MARKING LOCATIONS AND DIMENSIONS NOT OTHERWISE SHOWN.

SEE ROADWAY DETAIL SHEETS FOR TEMPORARY PAVEMENT DETAILS.

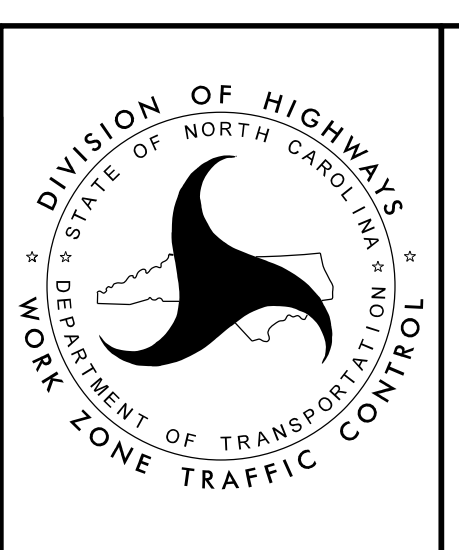


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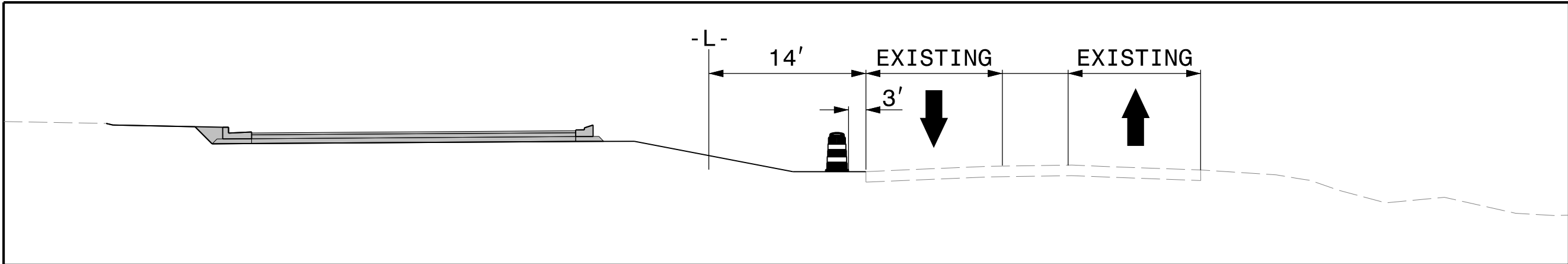
DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED



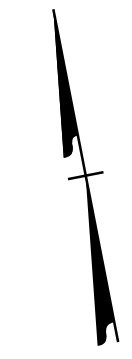
PHASE IA
DETAIL

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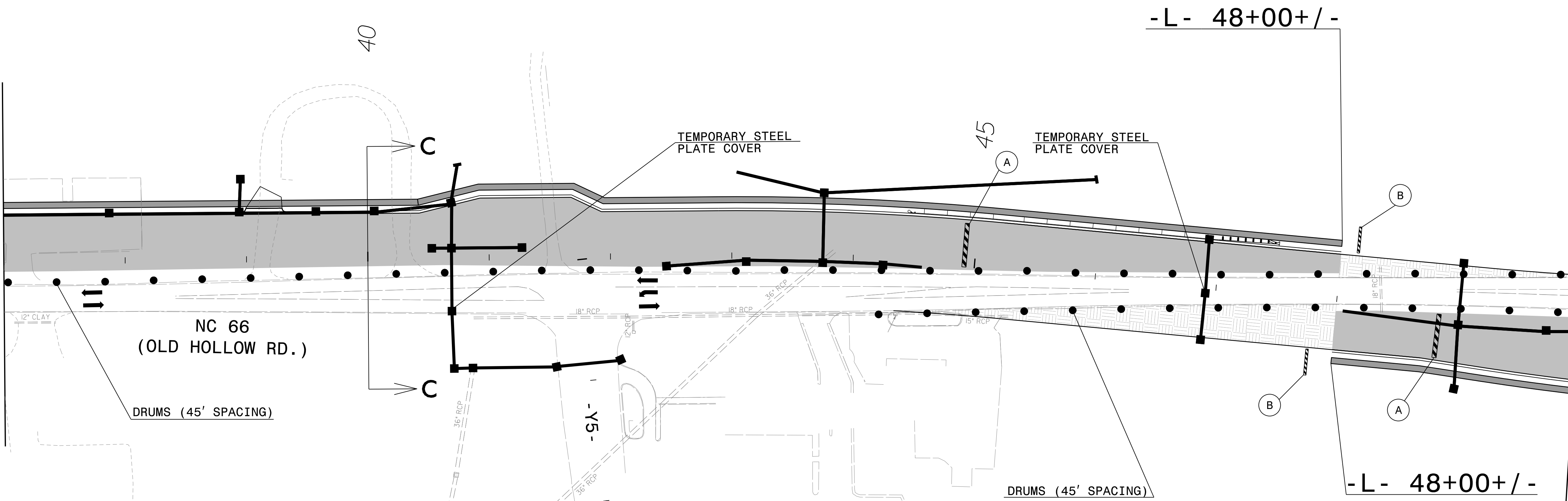
INSTALL LONGITUDINAL DRAINAGE IN SECTIONS USING TEMPORARY LANE CLOSURES AND IN ACCORDANCE WITH ICT'S.



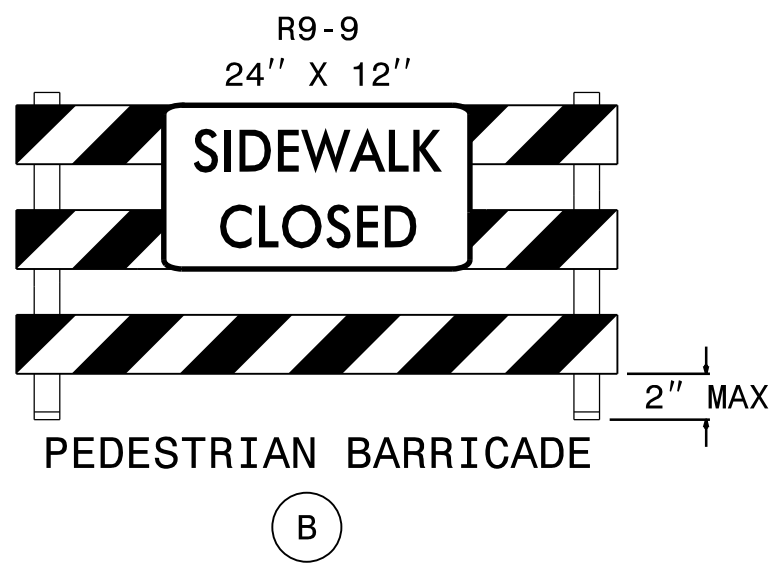
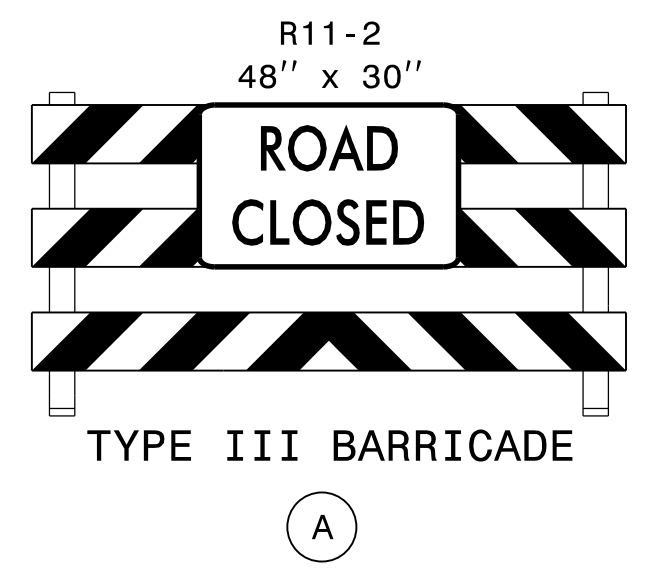
C-C
STA. 40+00



MATCHLINE -L- STA 37+00.00
(SEE TMP-5B)

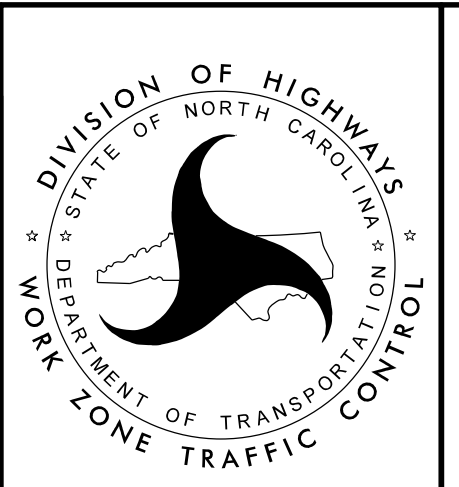


MATCHLINE -L- STA 50+00.00
(SEE TMP-5D)



PREVIOUSLY GRADED
 WORK AREA

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 NORTH CAROLINA PROFESSIONAL ENGINEER
 SEAL 046981
 FAITH E. JAHNKE



PHASE IA
DETAIL

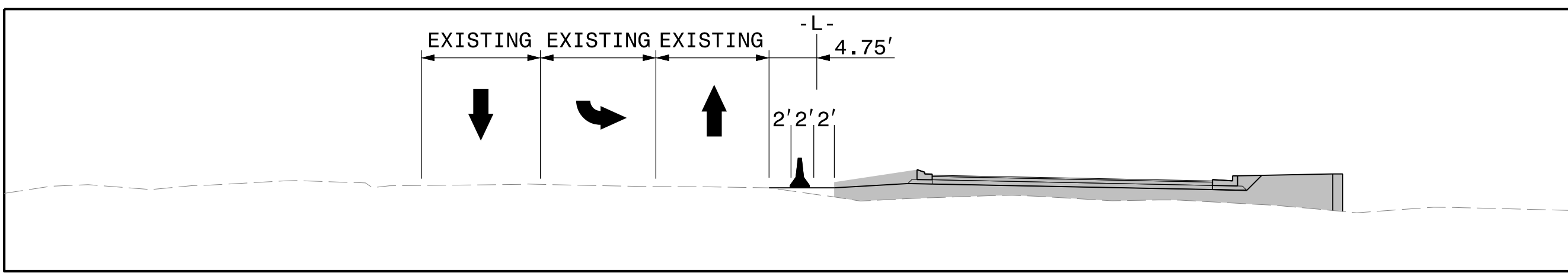
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Faith.Jahnke

INSTALL LONGITUDINAL DRAINAGE IN SECTIONS USING TEMPORARY LANE CLOSURES AND IN ACCORDANCE WITH ICT'S.

SEE ROADWAY DETAIL SHEETS FOR TEMPORARY PAVEMENT DETAILS.

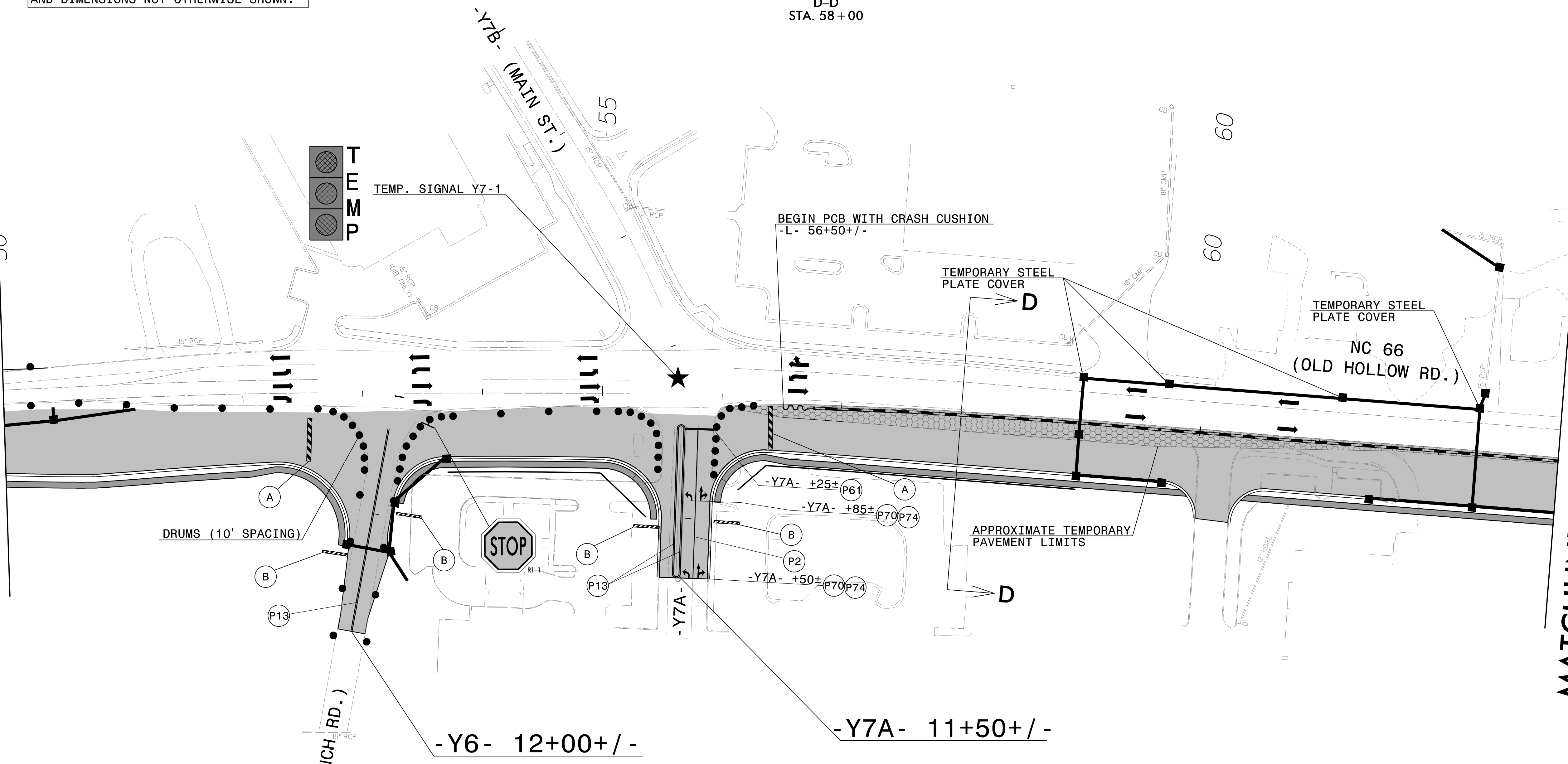
REFERENCE PAVEMENT MARKING PLANS FOR -Y- LINE PAVEMENT MARKING LOCATIONS AND DIMENSIONS NOT OTHERWISE SHOWN.



D-D
STA. 58+00

MATCHLINE -L- STA 50+00.00
(SEE TMP-5C)

MATCHLINE -L- STA 63+00.00
(SEE TMP-5E)



DRUMS (10' SPACING)

TEMP. SIGNAL Y7-1

BEGIN PCB WITH CRASH CUSHION
-L- 56+50+/-

TEMPORARY STEEL
PLATE COVER

TEMPORARY STEEL
PLATE COVER

NC 66
(OLD HOLLOW RD.)

APPROXIMATE TEMPORARY
PAVEMENT LIMITS

-Y6- 12+00+/-

-Y7A- 11+50+/-

R11-2
48" x 30"



TYPE III BARRICADE

(A)

R9-9
24" x 12"



PEDESTRIAN BARRICADE

(B)

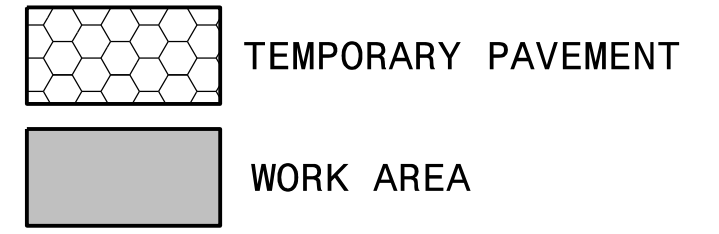
2" MAX

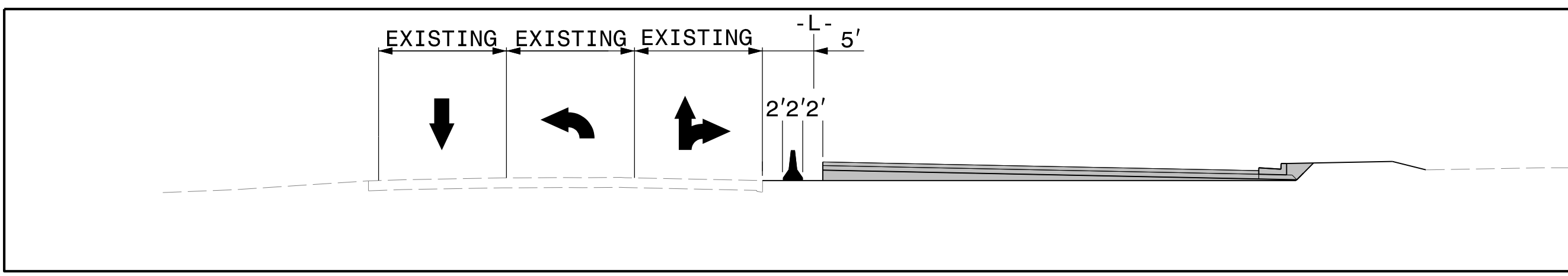
APPROVED: *Faith E. Jahnske*
DATE: 9/15/2023

SEAL

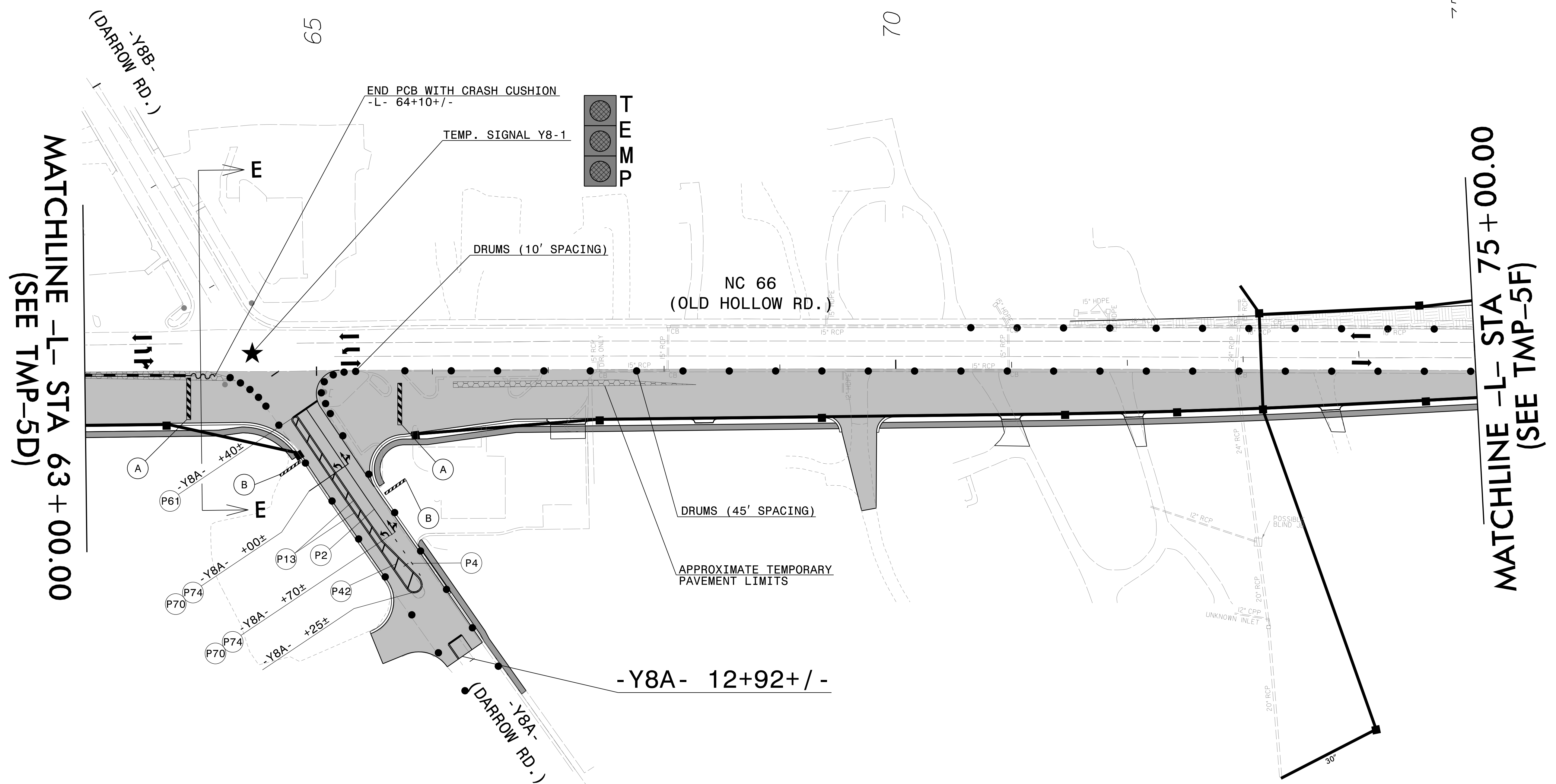
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PHASE IA
DETAIL





E-E
STA. 64+00



MATCHLINE -L- STA 63+00.00
(SEE TMP-5D)

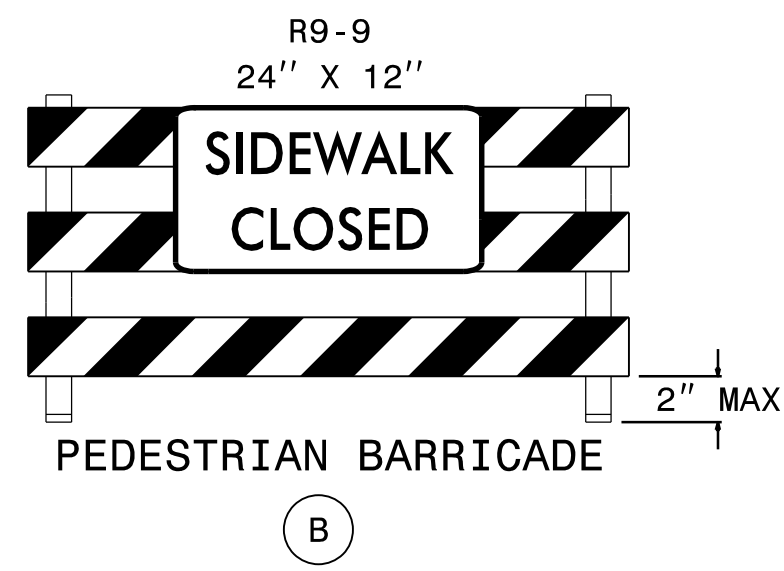
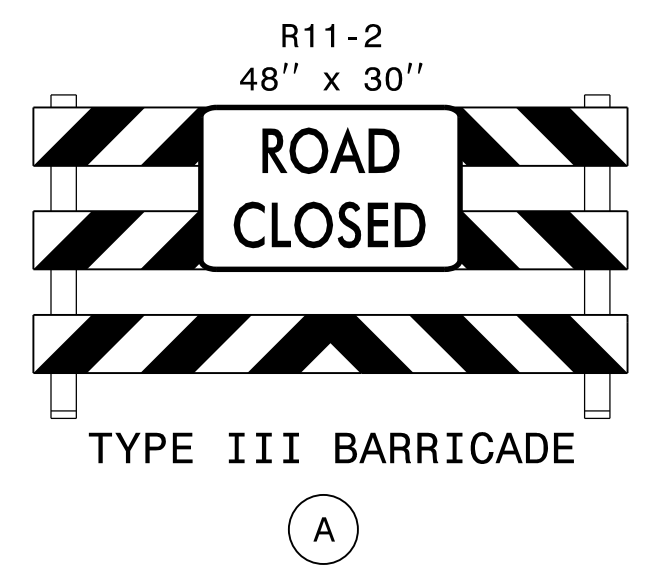
MATCHLINE -L- STA 75+00.00
(SEE TMP-5F)

SEE ROADWAY DETAIL SHEETS FOR TEMPORARY PAVEMENT DETAILS.

REFERENCE PAVEMENT MARKING PLANS FOR -Y- LINE PAVEMENT MARKING LOCATIONS AND DIMENSIONS NOT OTHERWISE SHOWN.

INSTALL LONGITUDINAL DRAINAGE IN SECTIONS USING TEMPORARY LANE CLOSURES AND IN ACCORDANCE WITH ICT'S.

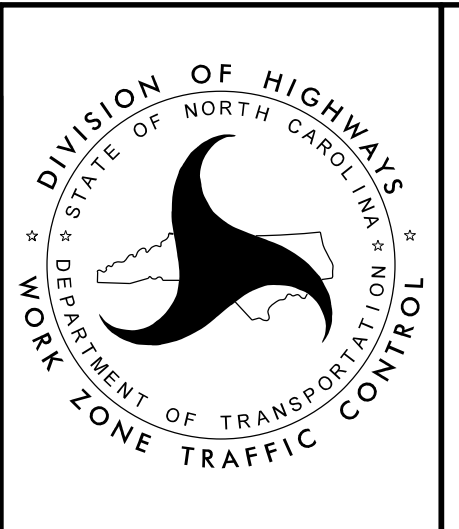
- TEMPORARY PAVEMENT
- PREVIOUSLY GRADED
- WORK AREA



APPROVED: *Faith E. Jahnke*
DATE: 9/15/2023

SEAL

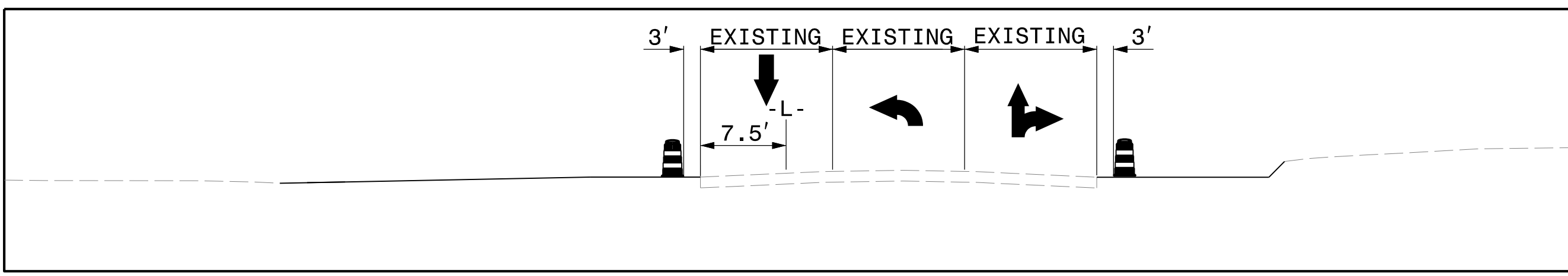
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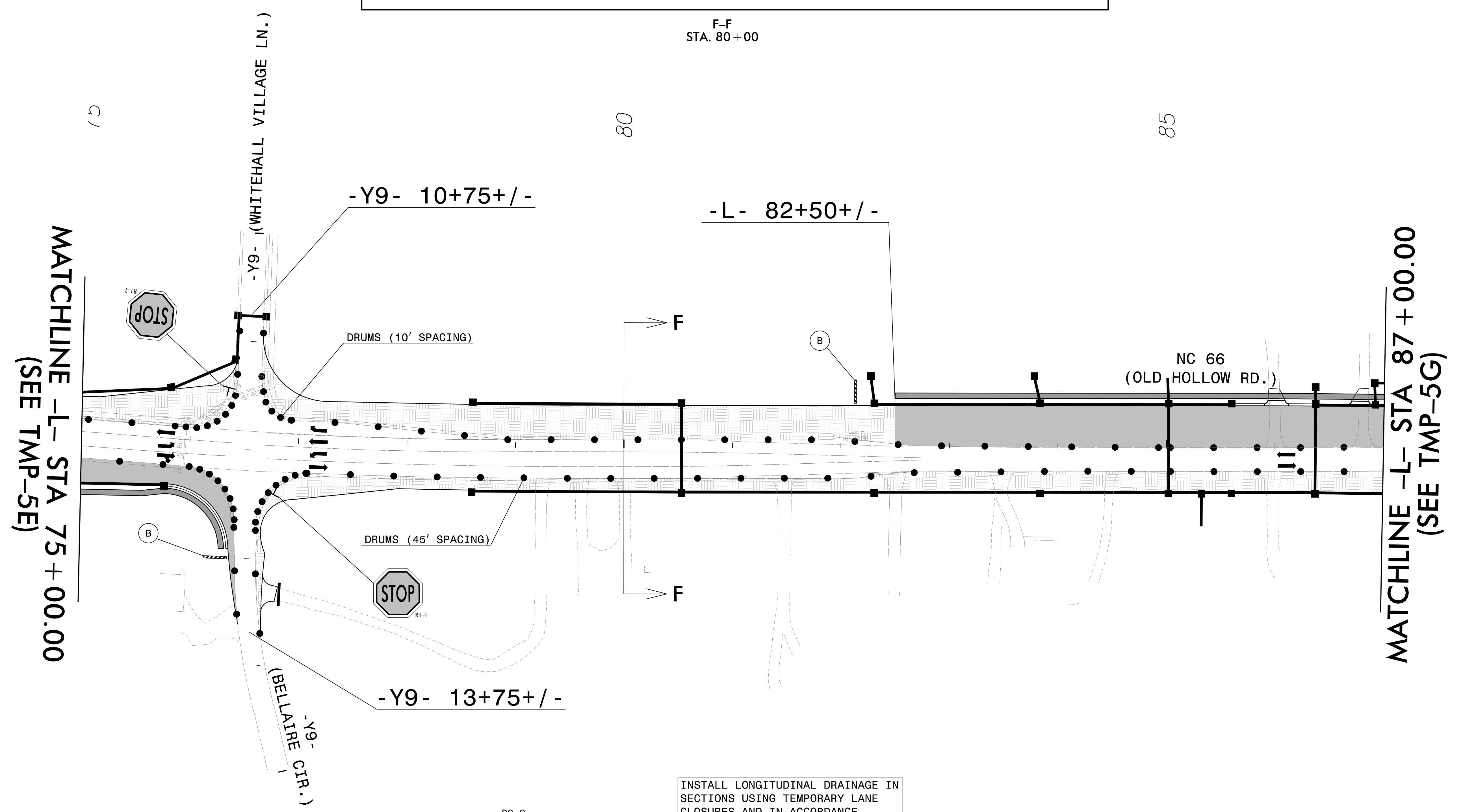
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WORK ZONE TRAFFIC CONTROL

PHASE IA
DETAIL

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F-F STA. 80+00



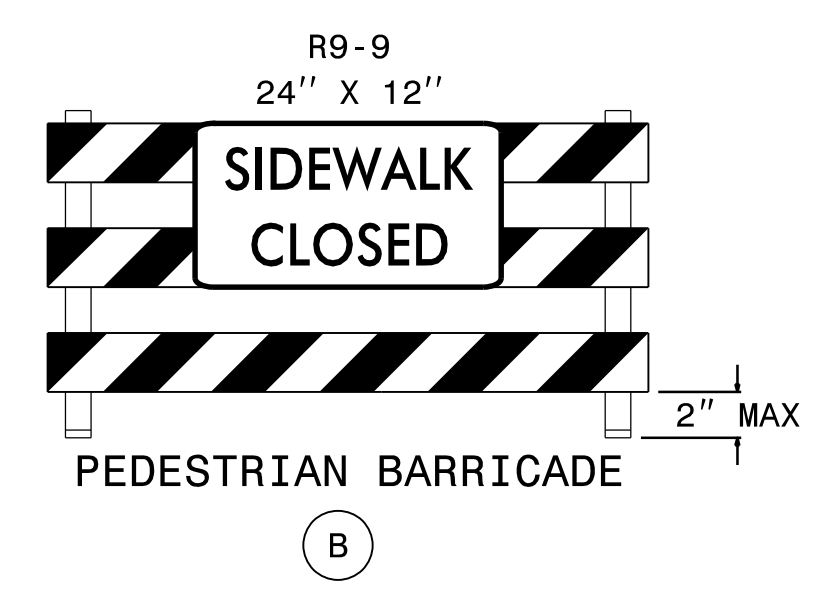
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MATCHLINE -L- STA 87+00.00 (SEE TMP-5G)

DRUMS (10' SPACING)

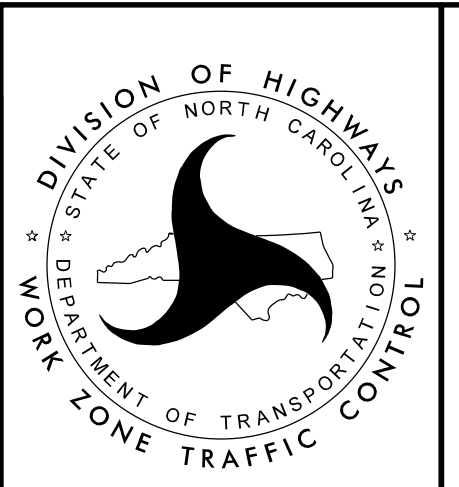
DRUMS (45' SPACING)

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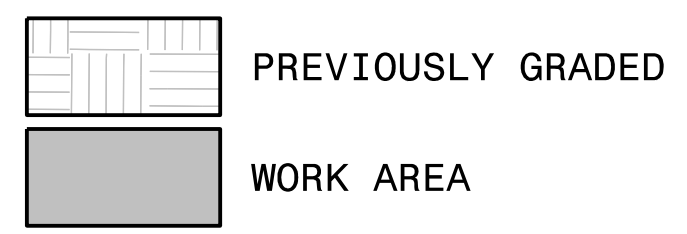
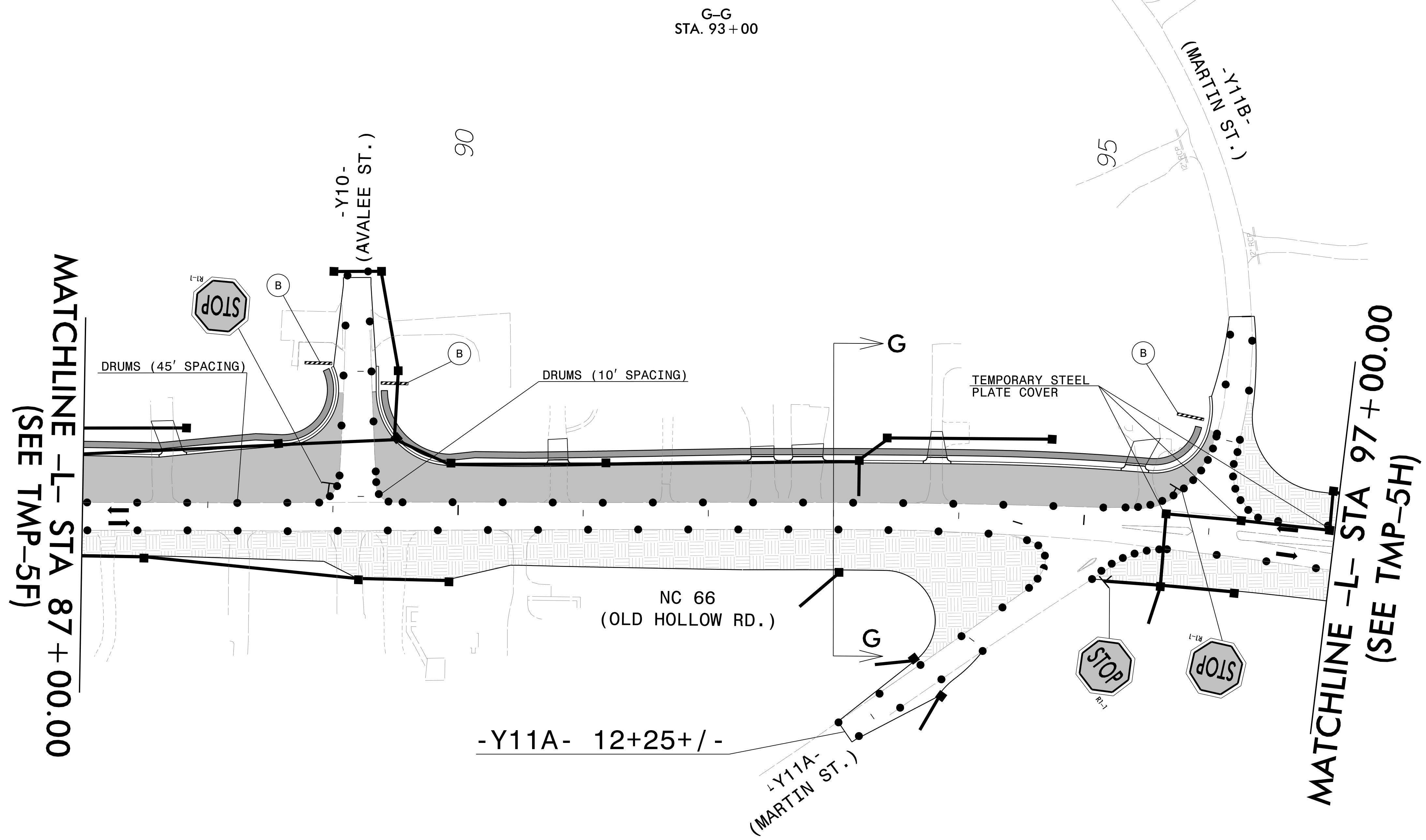
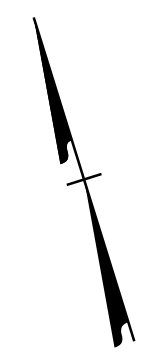
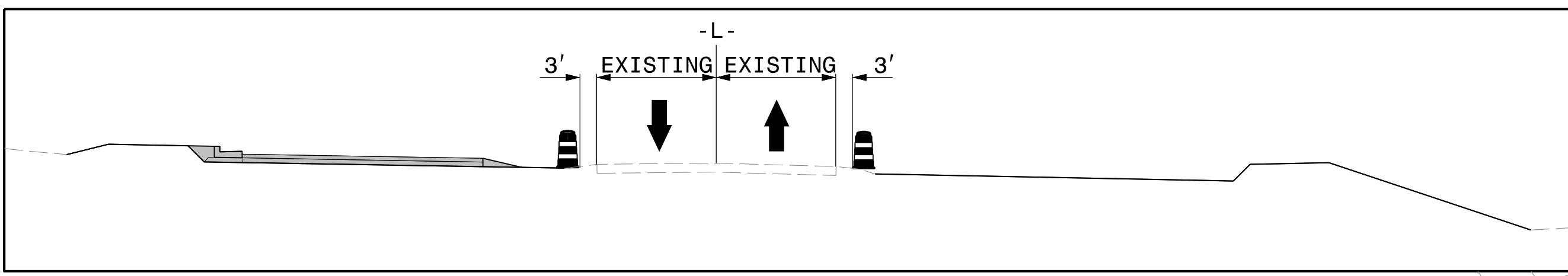


 PREVIOUSLY GRADED
 WORK AREA

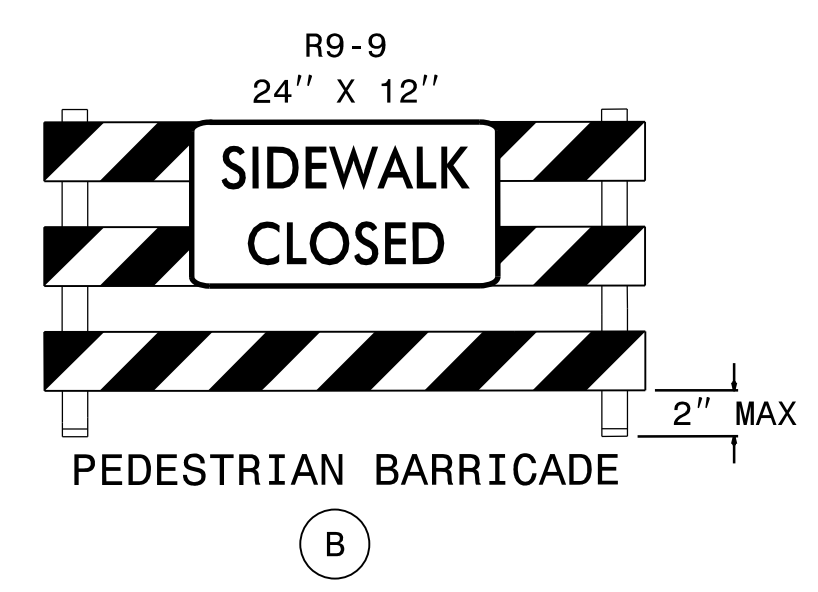
APPROVED: *Faith E. Jahnske*
 DATE: 9/15/2023
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 NORTH CAROLINA PROFESSIONAL ENGINEER
 SEAL 046981
 FAITH E. JAHNSKE



PHASE IA DETAIL



INSTALL LONGITUDINAL DRAINAGE IN SECTIONS USING TEMPORARY LANE CLOSURES AND IN ACCORDANCE WITH ICT'S.

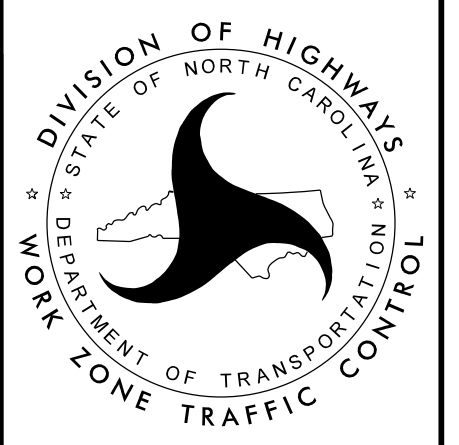
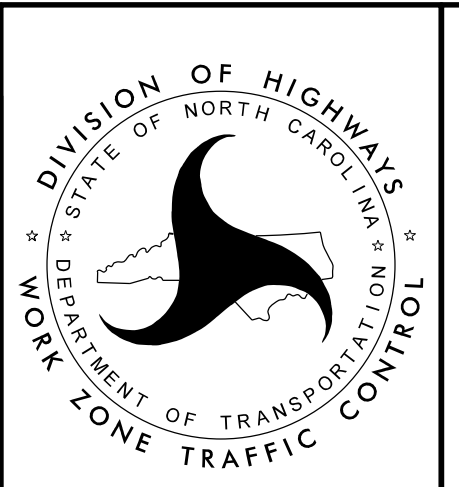


APPROVED: *Faith E. Jahnke*

DATE: 9/15/2023

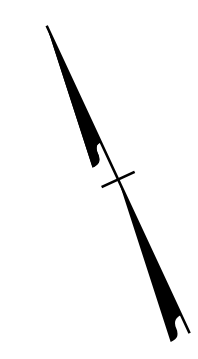
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PHASE IA
DETAIL

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MATCHLINE -L- STA 97+00.00
(SEE TMP-5G)

 PREVIOUSLY GRADED
 WORK AREA

DRUMS (10' SPACING)

DRUMS (45' SPACING)

TEMP. SIGNAL Y12-1

TEMPORARY STEEL
PLATE COVER

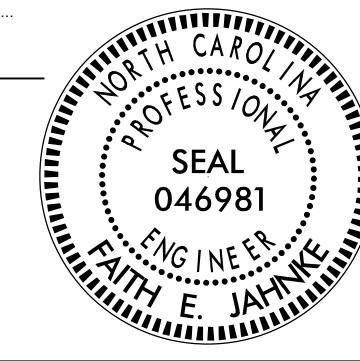
NC 66
(OLD HOLLOW RD.)

TEMP

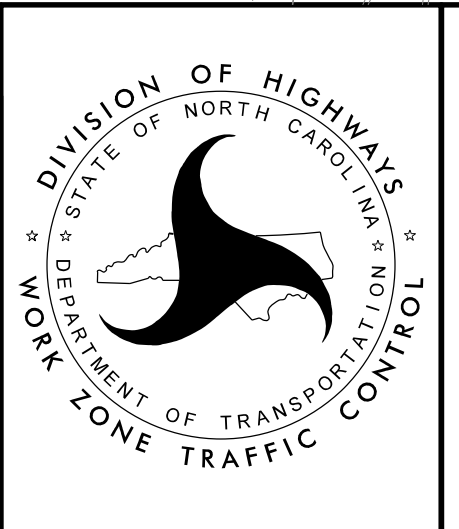
INSTALL LONGITUDINAL DRAINAGE IN SECTIONS USING TEMPORARY LANE CLOSURES AND IN ACCORDANCE WITH ICT's.

APPROVED: *Faith E. Jahnske*
DATE: 9/15/2023

SEAL

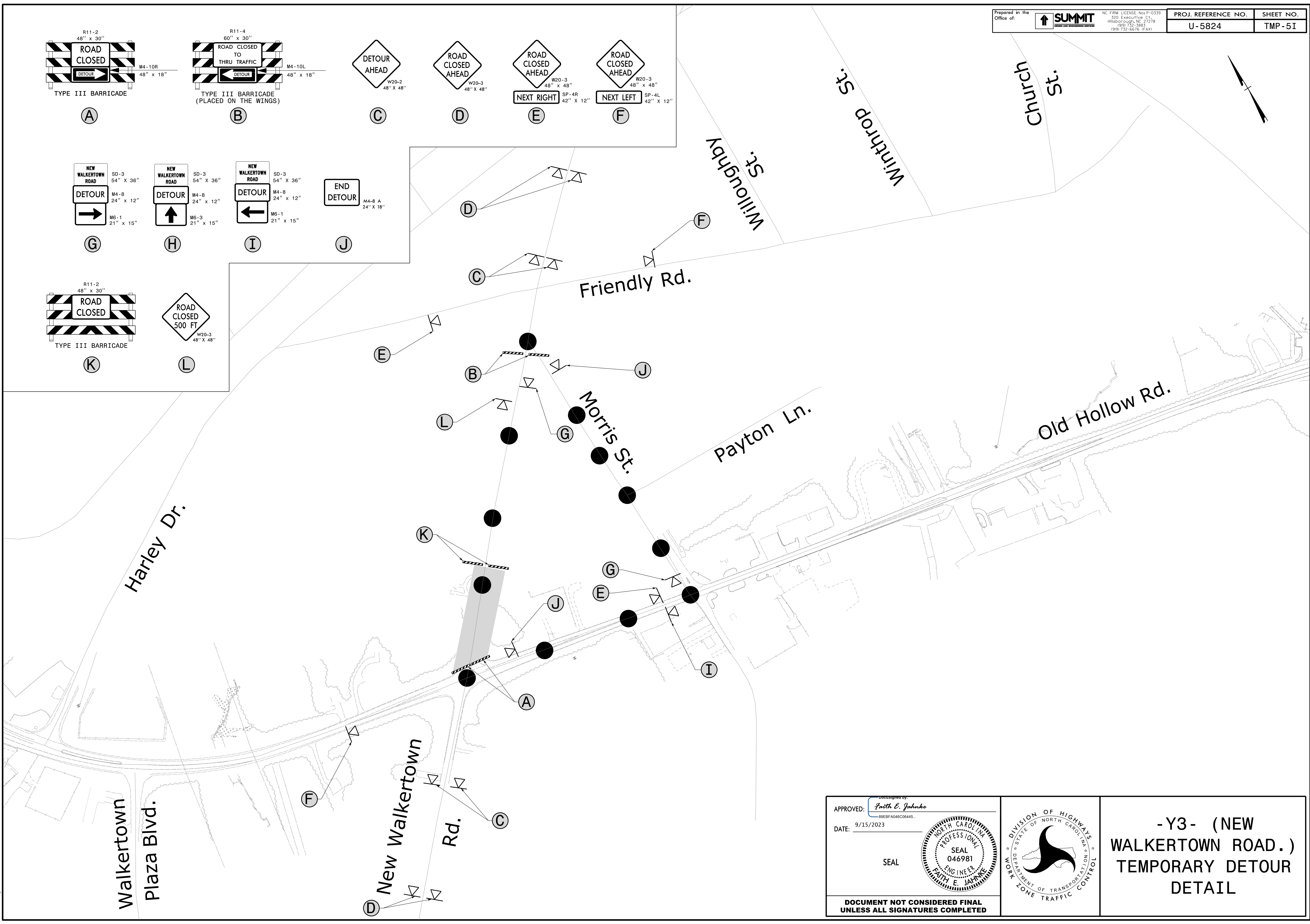
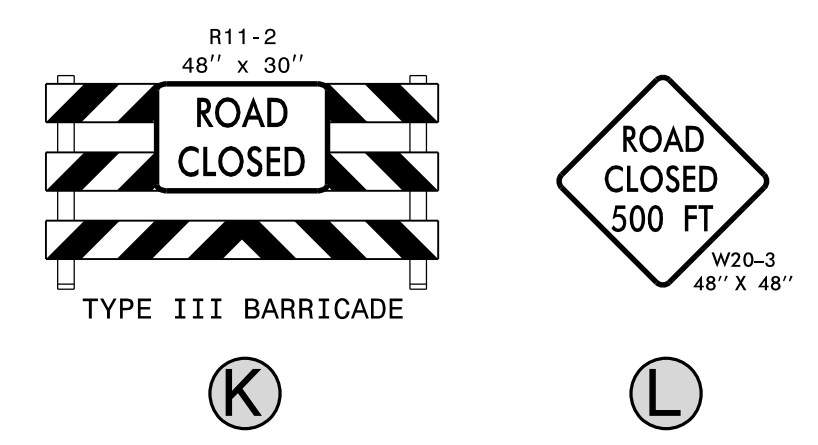
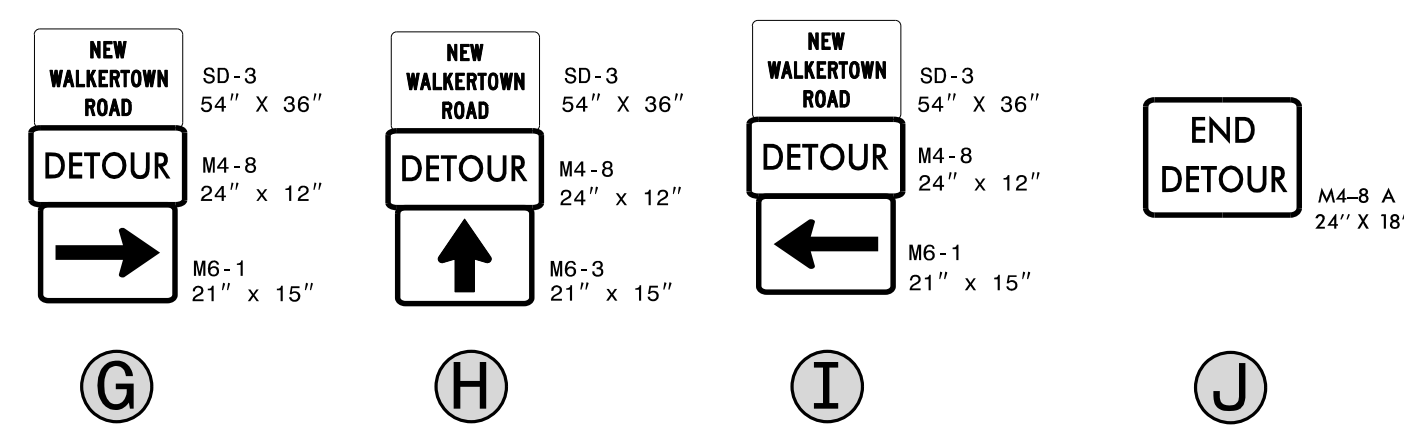
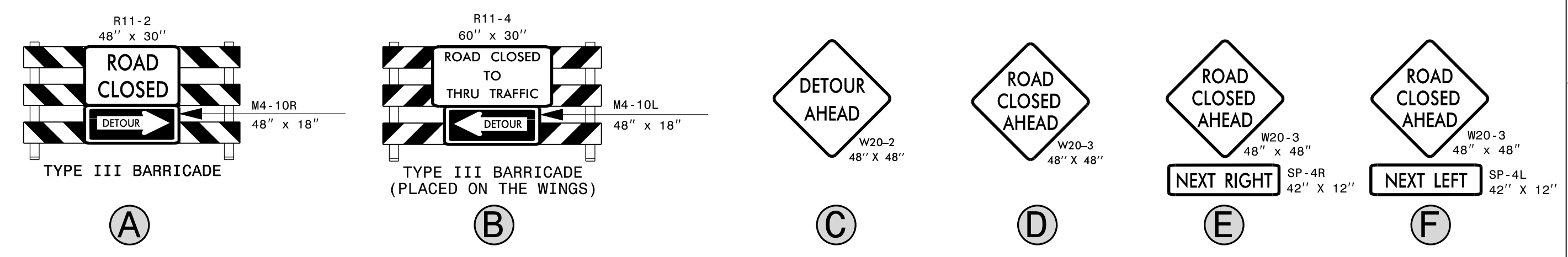


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PHASE IA
DETAIL

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faith.jahnske

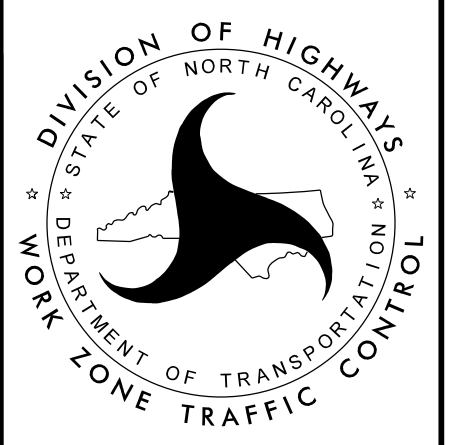
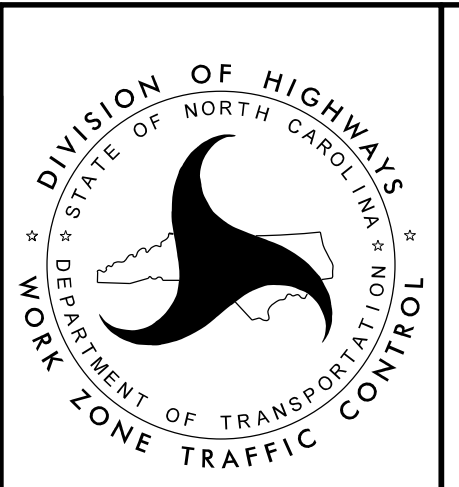


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faith.jahnke

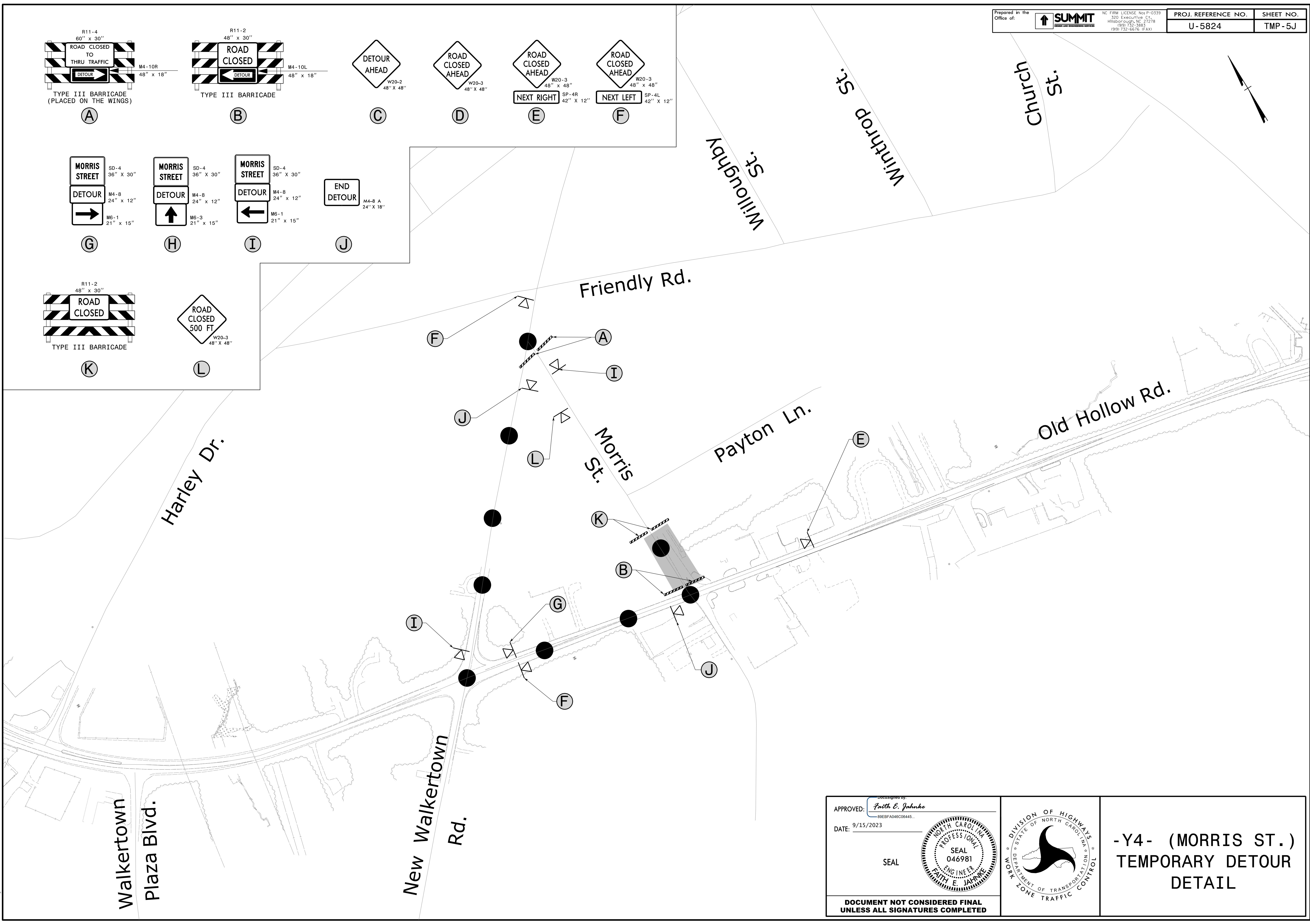
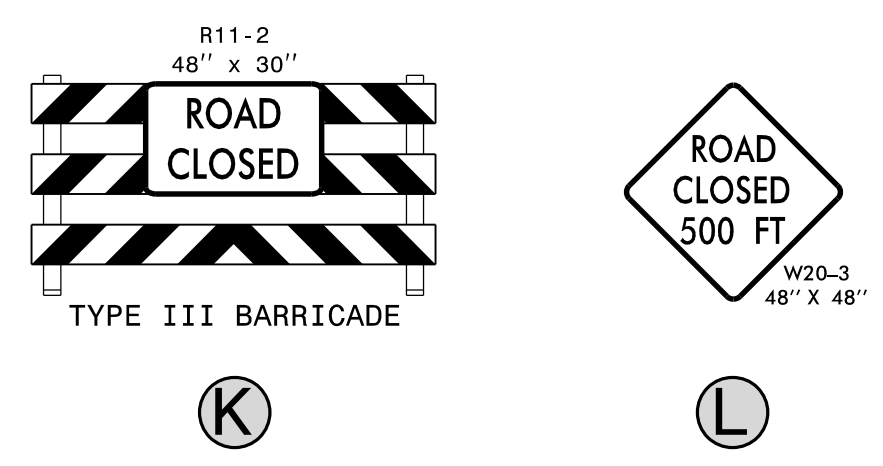
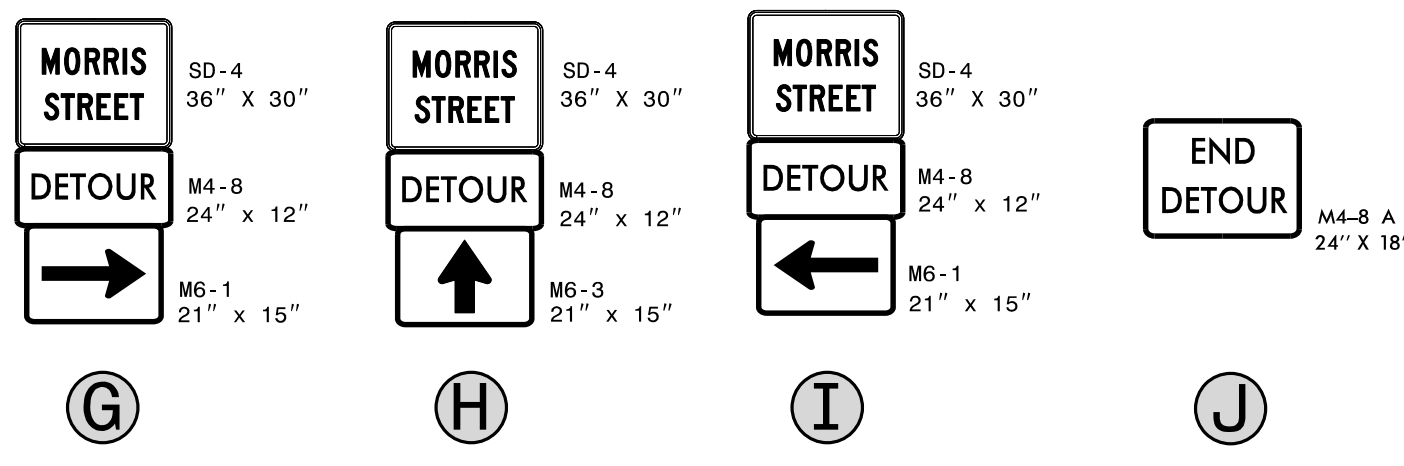
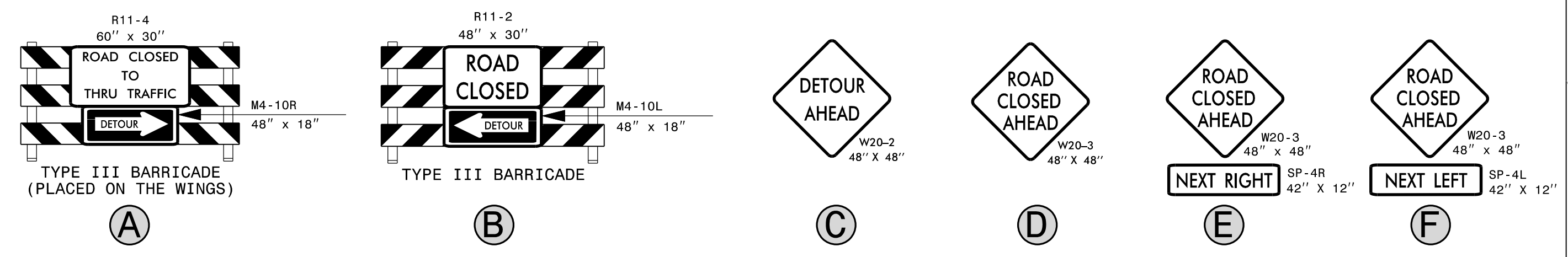
APPROVED: *Faith E. Jahnke*
DATE: 9/15/2023

SEAL

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-Y3- (NEW WALKERTOWN ROAD.)
TEMPORARY DETOUR
DETAIL

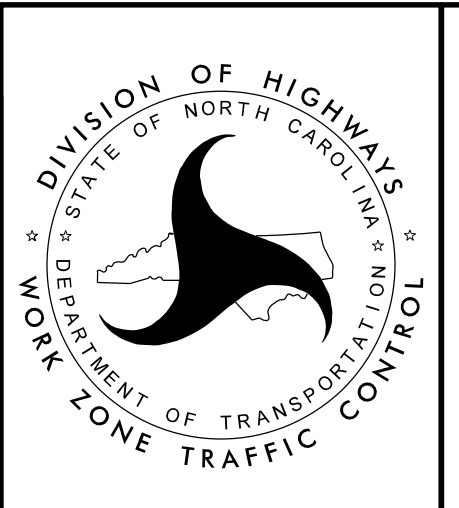
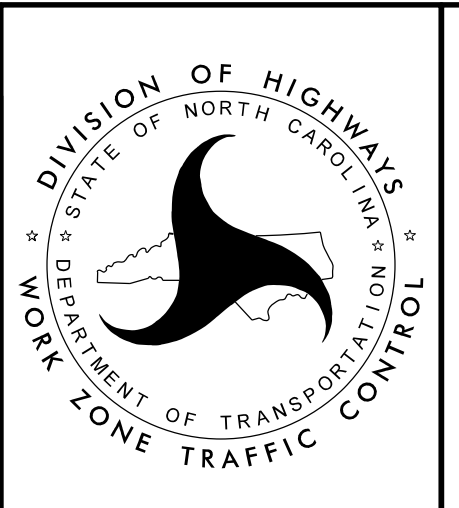


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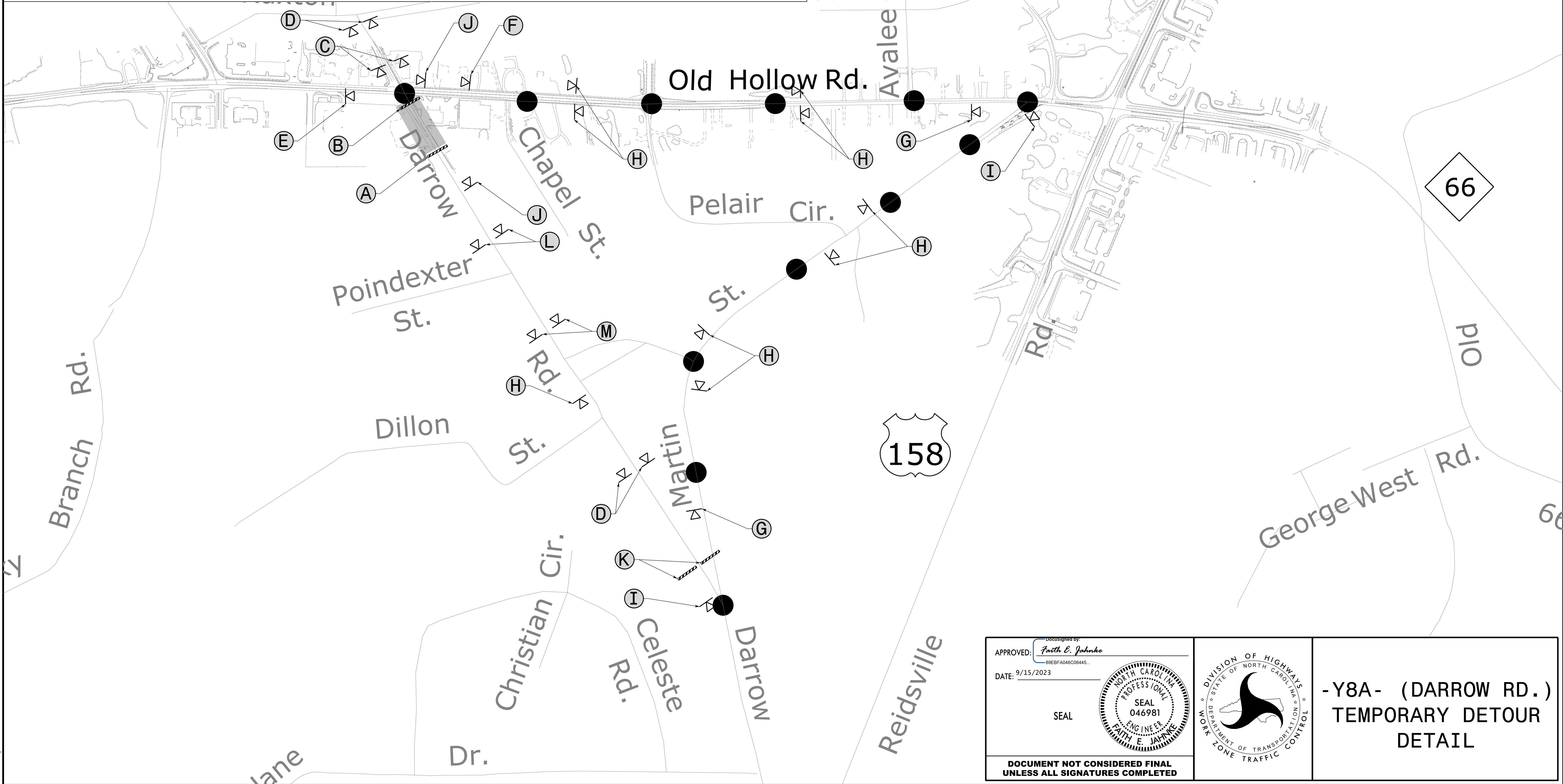
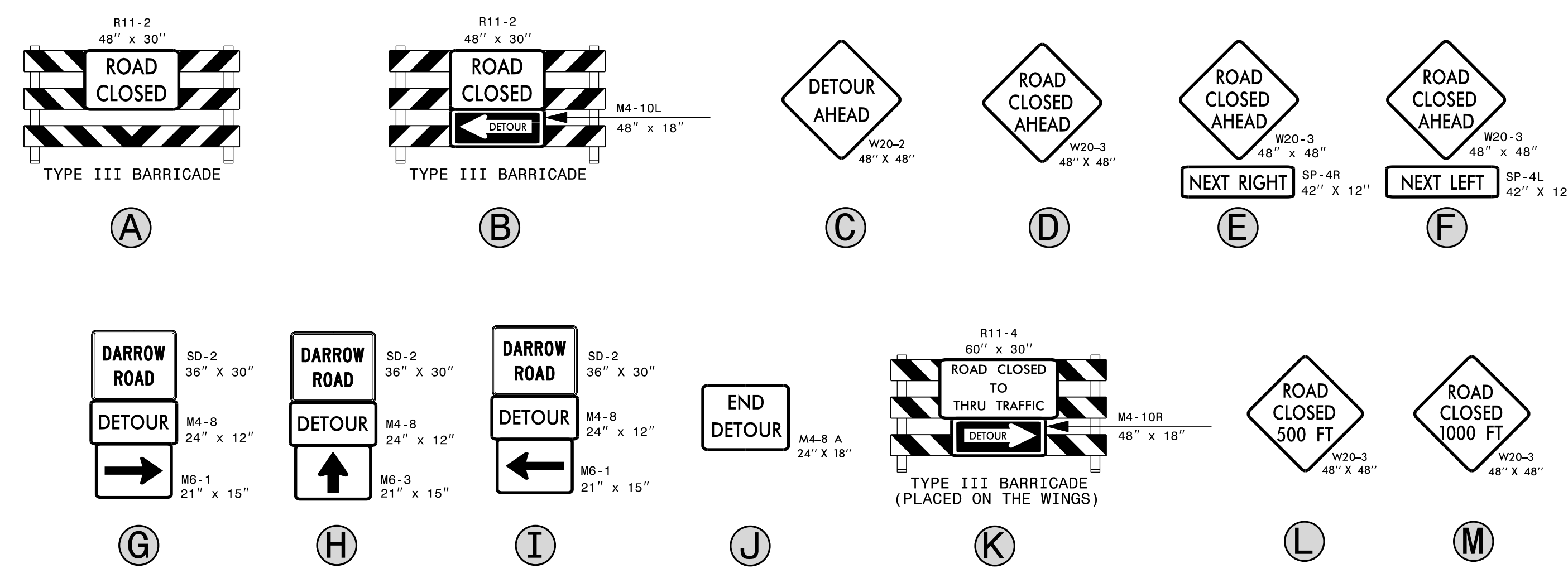
APPROVED: *Faith E. Jahnke*
DATE: 9/15/2023

SEAL

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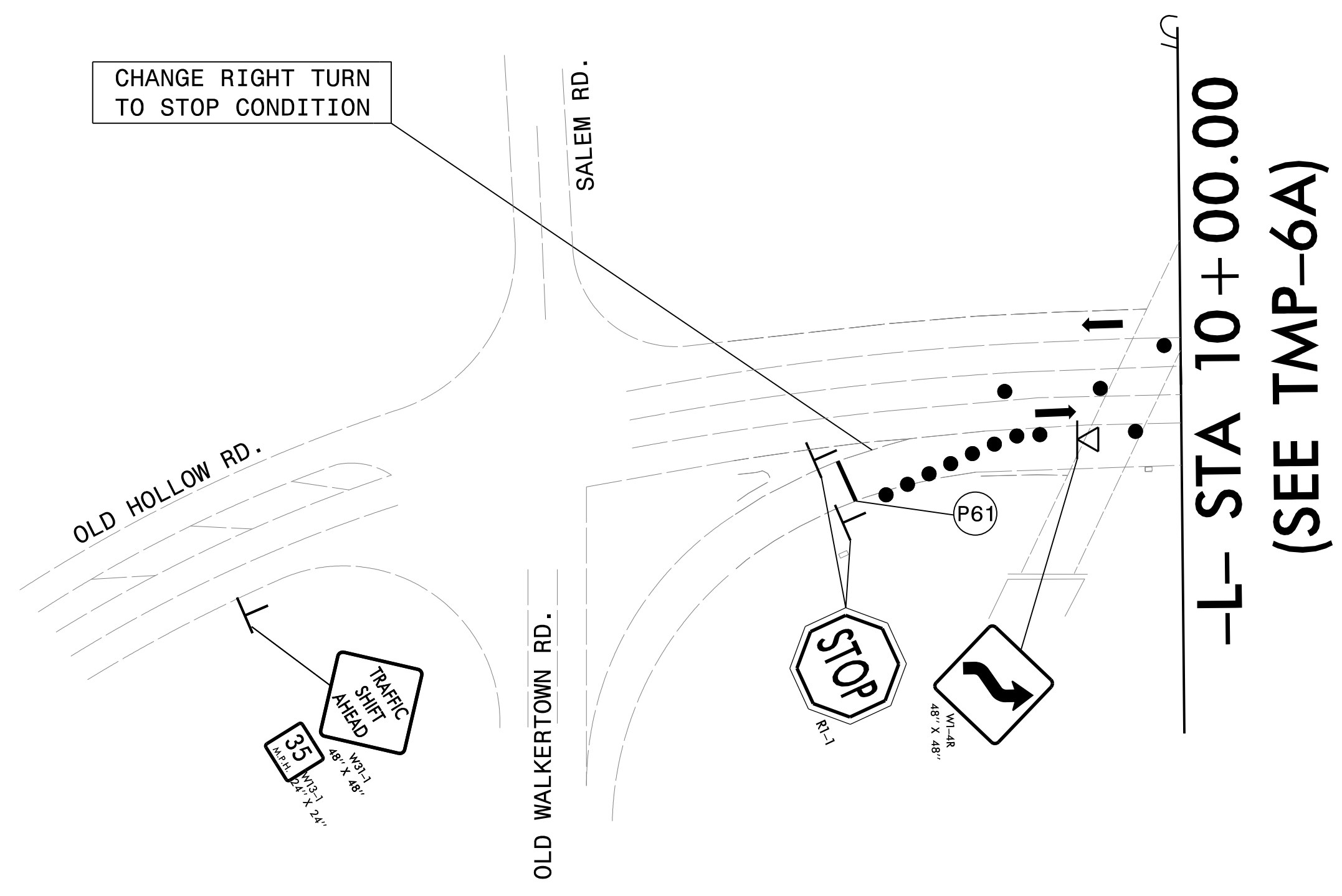
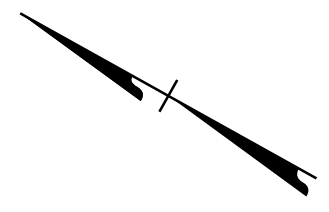



**-Y4- (MORRIS ST.)
TEMPORARY DETOUR
DETAIL**



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faith.jahnke

| | | | |
|---|--|--|---|
| APPROVED: <i>Faith E. Jahnke</i> DATE: 9/15/2023 SEAL DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED | | | -Y8A- (DARROW RD.) TEMPORARY DETOUR DETAIL |
|---|--|--|---|



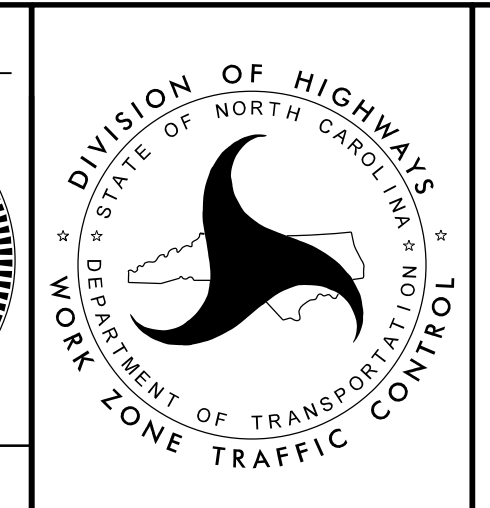
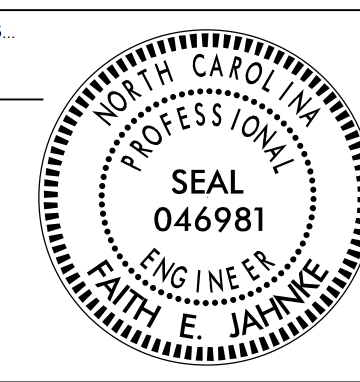
 WORK AREA

15-AUG-2023 14:55
 U5824-1C-TMP-6.dgn
 Faith E. Jahnke

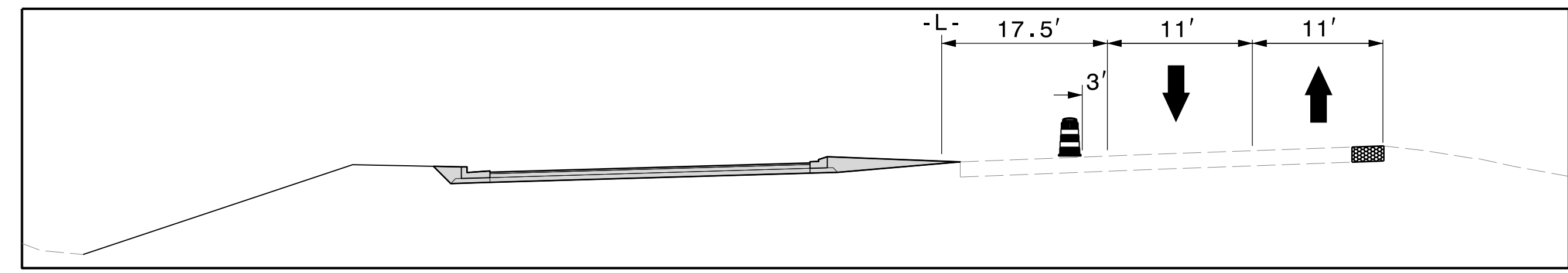
APPROVED: Faith E. Jahnke
09EBFA046C2D6445
 DATE: 9/15/2023

SEAL

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 UNLESS ALL SIGNATURES COMPLETED**

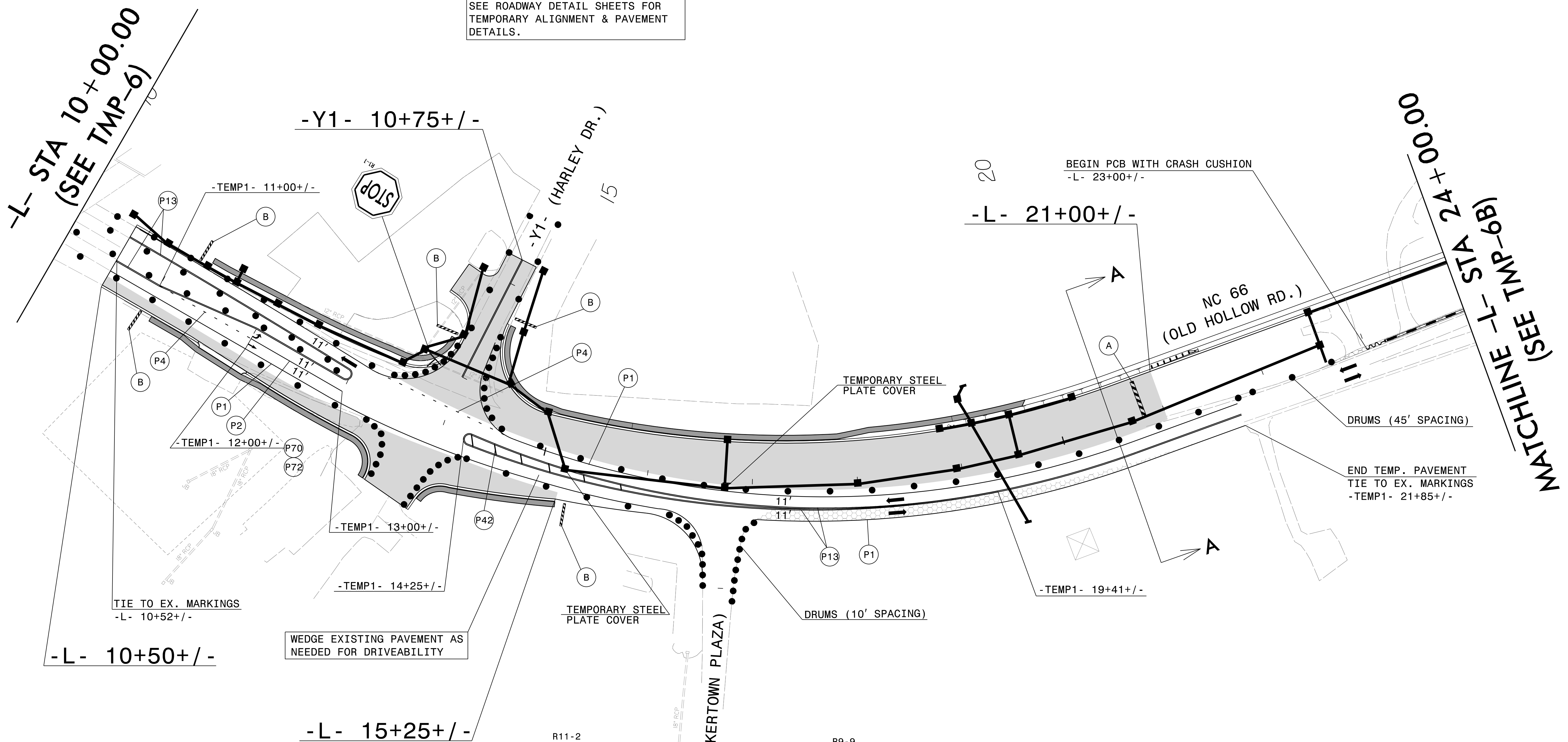
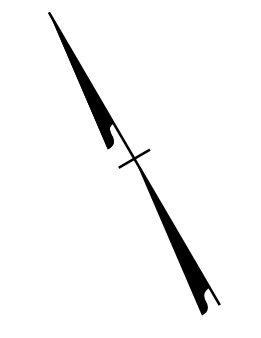


**PHASE IA
 STEP 7
 DETAIL**



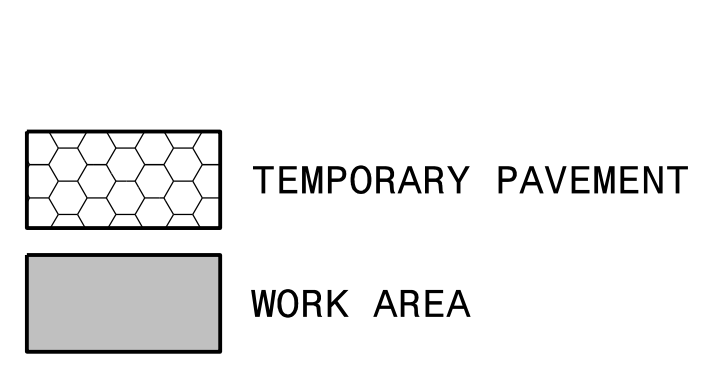
INSTALL LONGITUDINAL DRAINAGE IN SECTIONS USING TEMPORARY LANE CLOSURES AND IN ACCORDANCE WITH ICT'S.

SEE ROADWAY DETAIL SHEETS FOR TEMPORARY ALIGNMENT & PAVEMENT DETAILS.

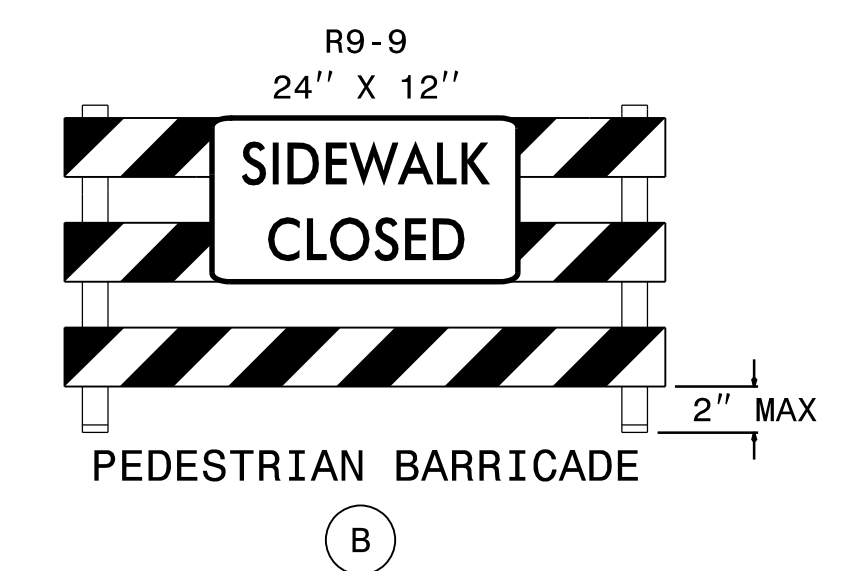
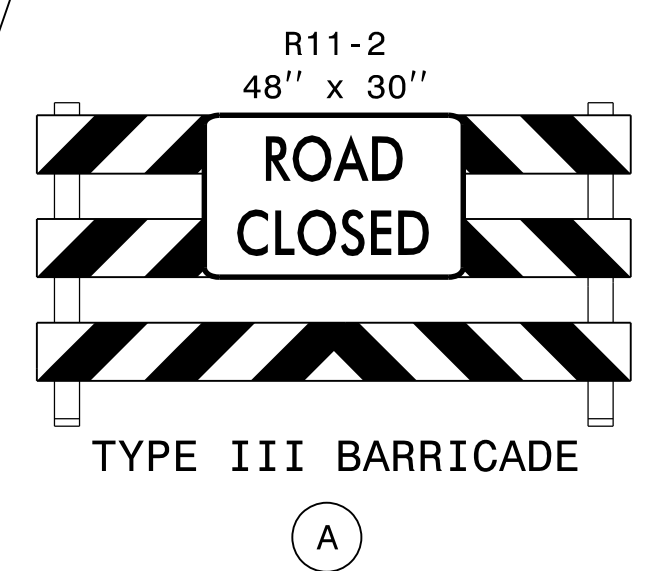


-L- STA 10+00.00
(SEE TMP-6)

00.00
-L- STA 24+00.00
MATCHLINE -L- STA 24+00.00
(SEE TMP-6B)



WEDGE EXISTING PAVEMENT AS NEEDED FOR DRIVEABILITY

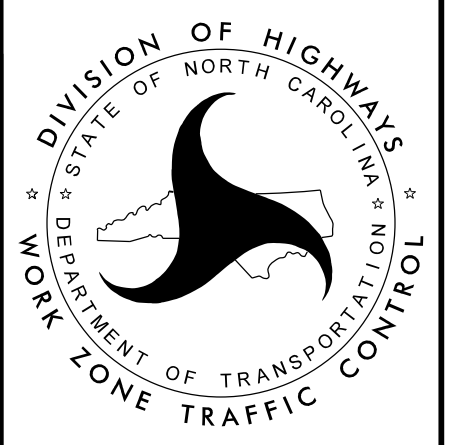
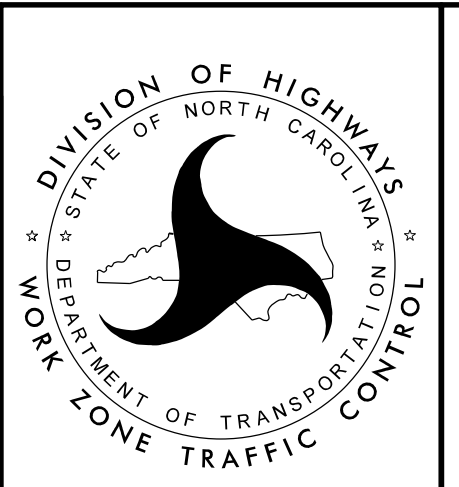


APPROVED: *Faith E. Jahnke*

DATE: 9/15/2023

SEAL

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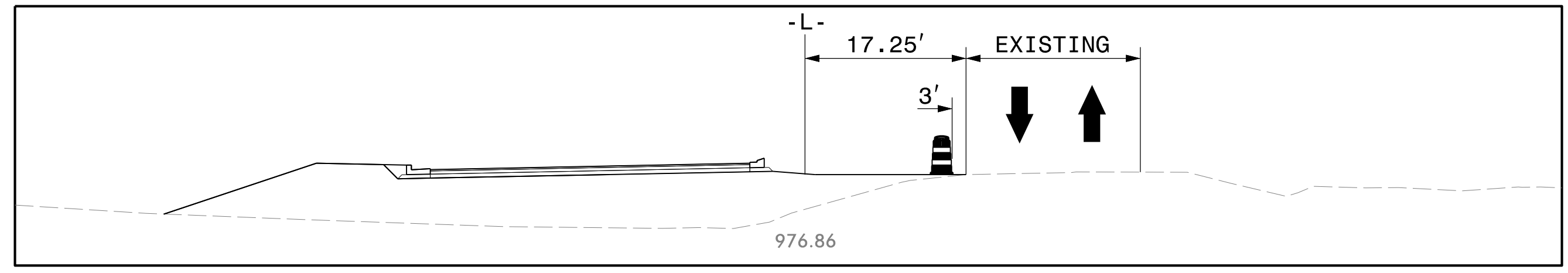


PHASE IA
STEP 7
DETAIL

15-AUG-2023 14:55
U5824-1C-TMP-6A.dgn
Faith.Jahnke

INSTALL LONGITUDINAL DRAINAGE IN SECTIONS USING TEMPORARY LANE CLOSURES AND IN ACCORDANCE WITH ICT'S.

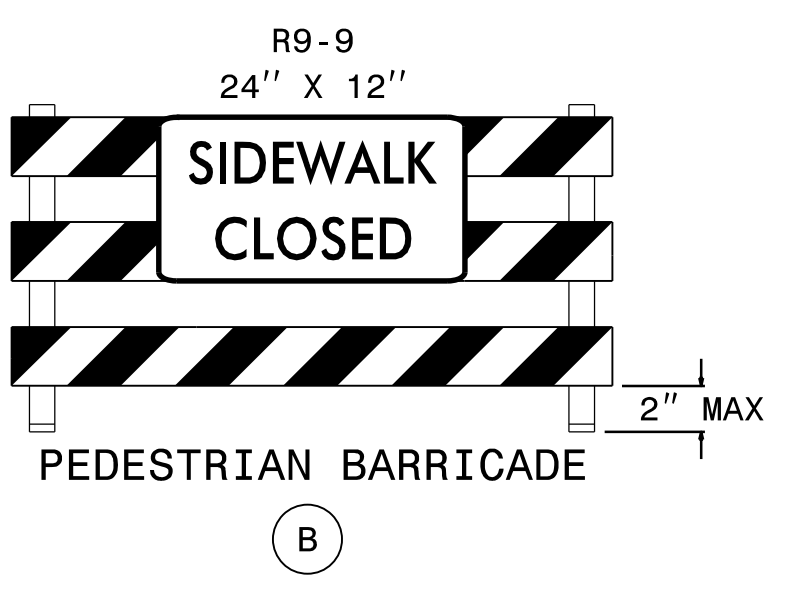
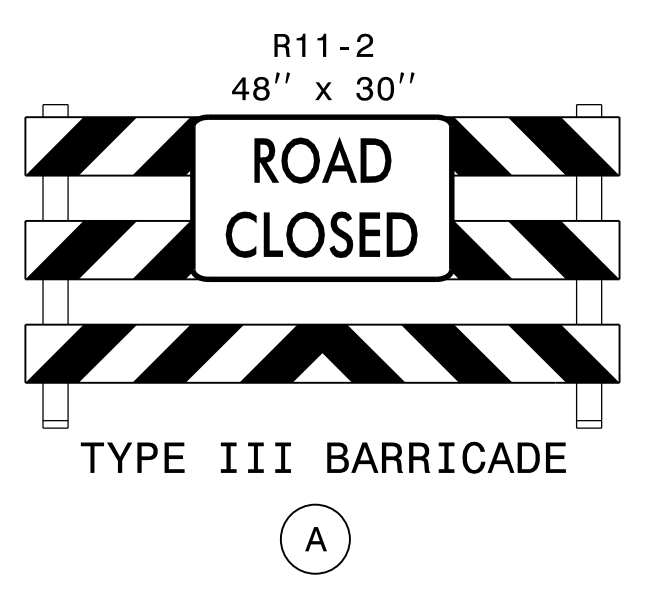
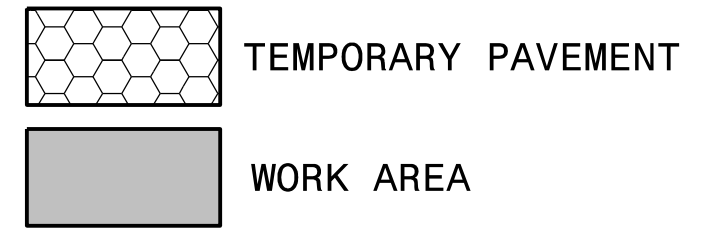
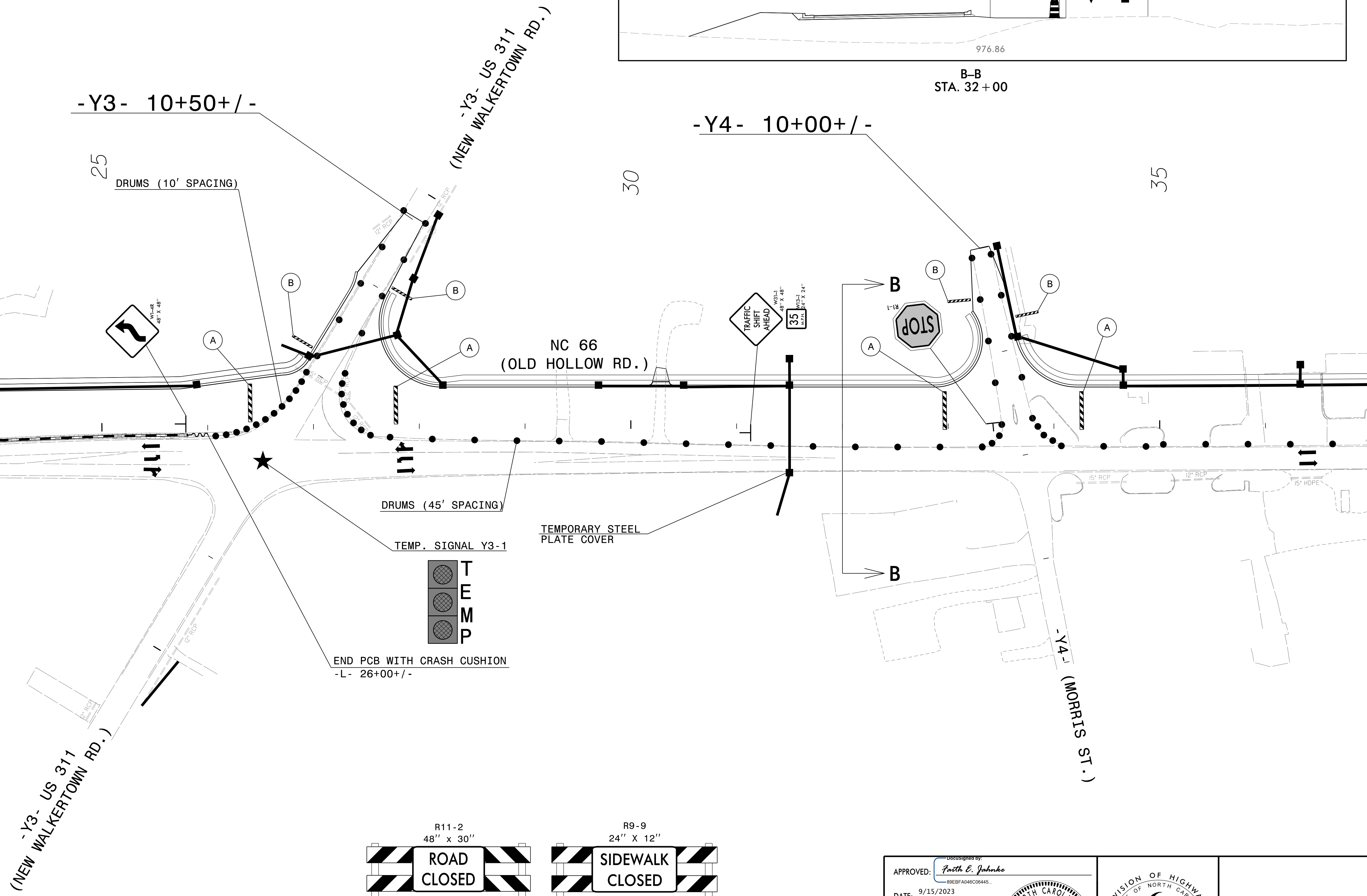
SEE ROADWAY DETAIL SHEETS FOR TEMPORARY PAVEMENT DETAILS.



B-B
STA. 32+00

MATCHLINE -L- STA 24+00.00
(SEE TMP-6A)

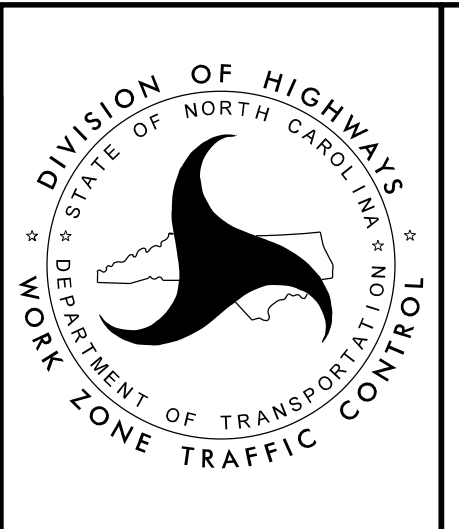
-L- STA 37+00.00



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DATE: 9/15/2023

SEAL

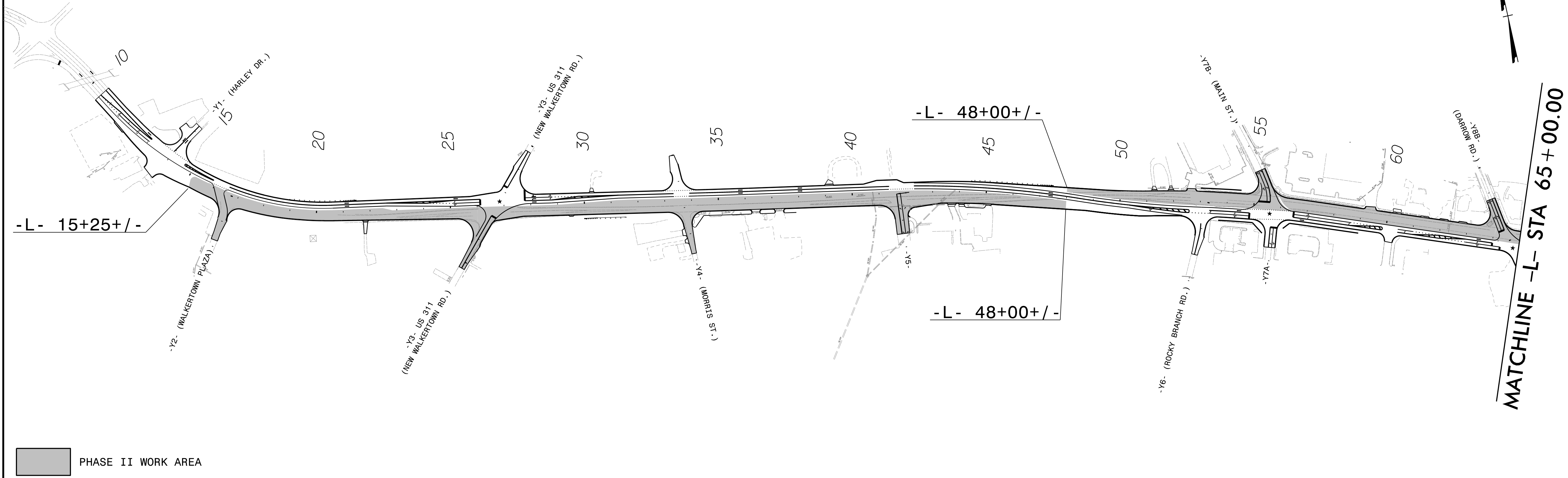
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UNLESS ALL SIGNATURES COMPLETED



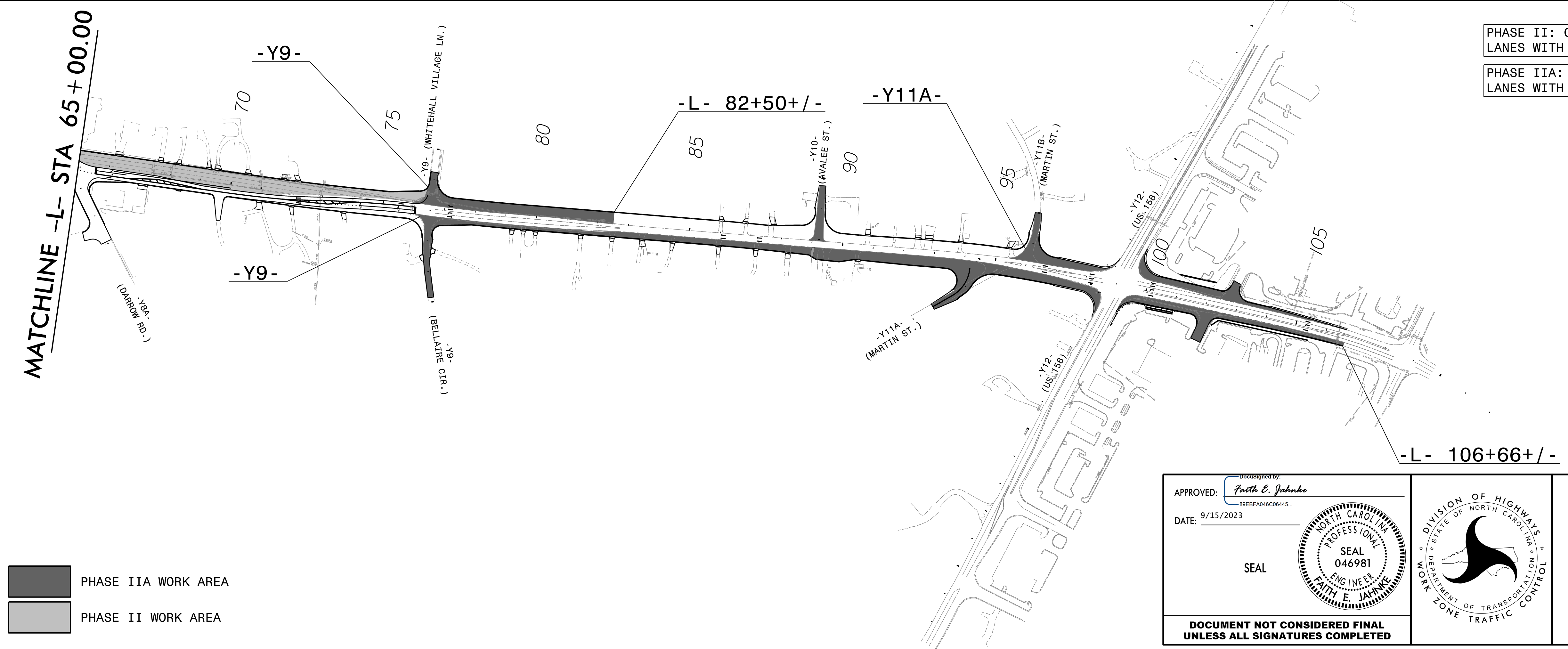
PHASE IA
STEP 7
DETAIL

15-AUG-2023 14:55
U5824-1C-TMP-6B.dgn
faith.jahnke

PHASE IIA: CONSTRUCT WESTBOUND AND EASTBOUND LANES WITH TRAFFIC IN NEW PATTERN.



PHASE II WORK AREA



PHASE II: CONSTRUCT WESTBOUND AND EASTBOUND LANES WITH TRAFFIC IN NEW PATTERN.

PHASE IIA: CONSTRUCT WESTBOUND AND EASTBOUND LANES WITH TRAFFIC IN EXISTING PATTERN.

PHASE IIA WORK AREA

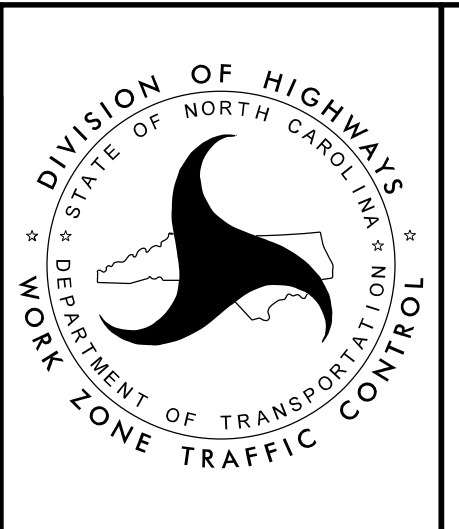
PHASE II WORK AREA

25-AUG-2023 10:12
U5824-TC-TMP-7.dgn
Faith.E.Jahnke

APPROVED: *Faith E. Jahnke*
DATE: 9/15/2023

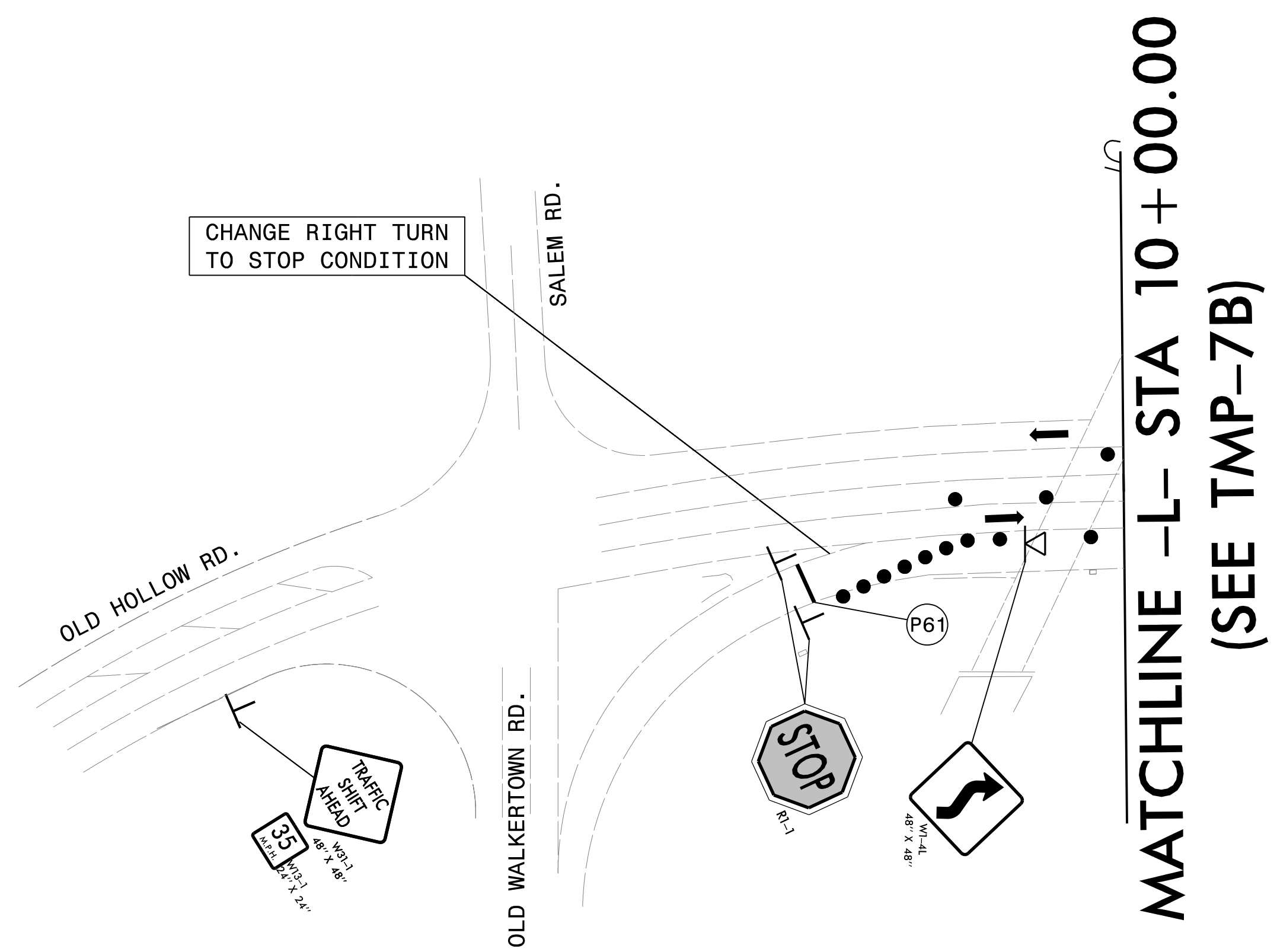
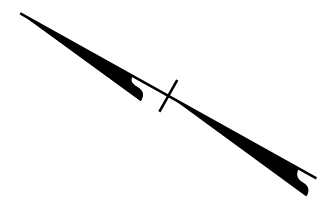
SEAL

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

PHASE II/IIA
OVERVIEW

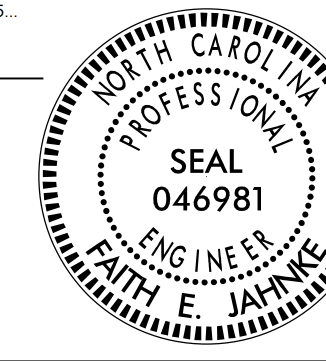


 WORK AREA

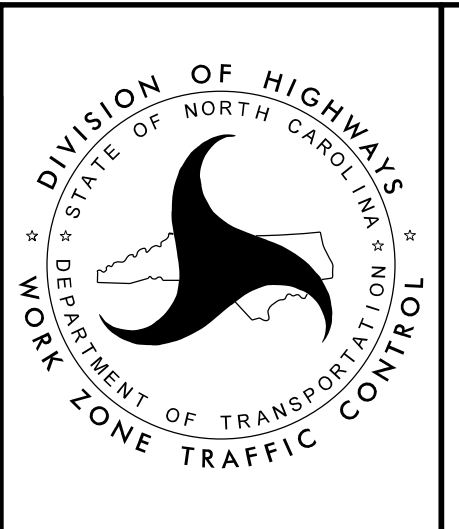
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faith.jahnke

APPROVED: Faith E. Jahnke
09EBFA046C06445...
 DATE: 9/15/2023

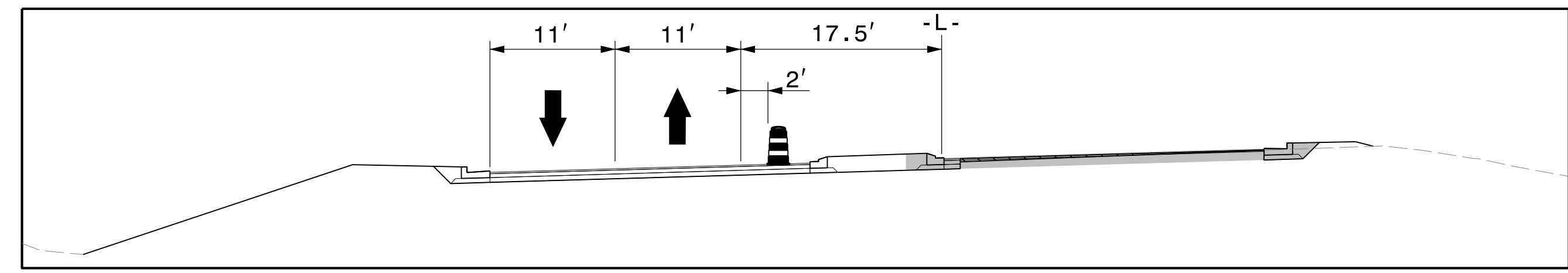
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UNLESS ALL SIGNATURES COMPLETED**



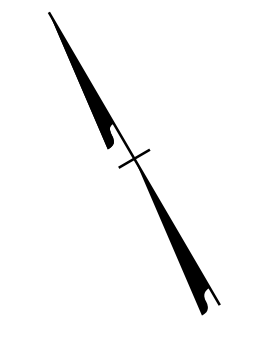
PHASE II
DETAIL



REFERENCE PAVEMENT MARKING PLANS FOR -Y- LINE PAVEMENT MARKING LOCATIONS AND DIMENSIONS NOT OTHERWISE SHOWN.

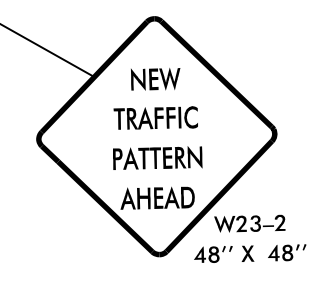
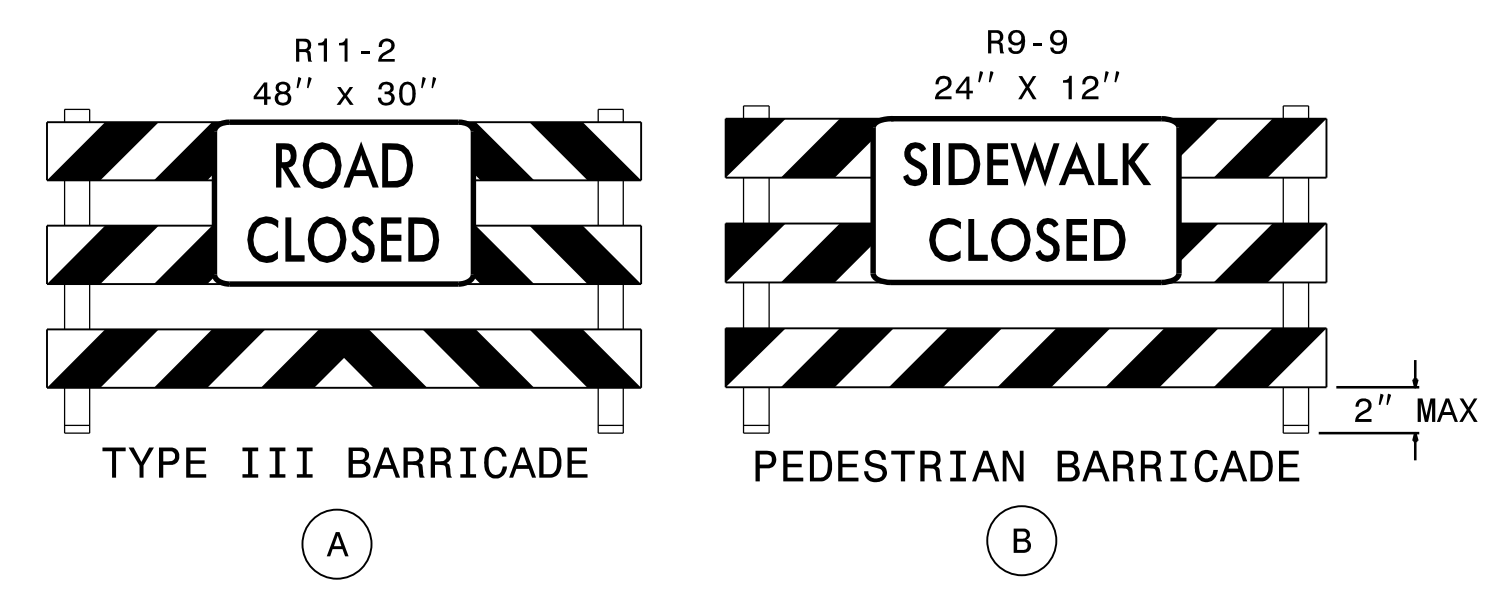
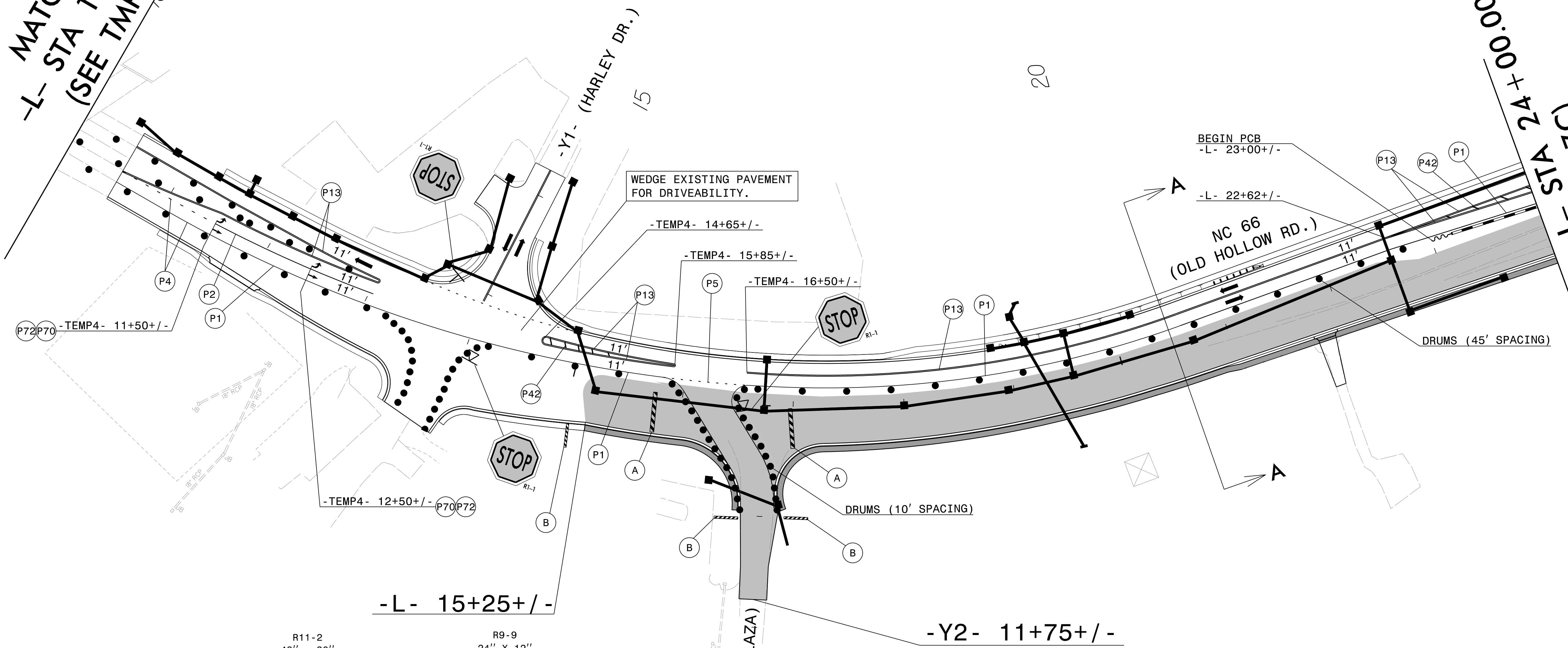
SEE ROADWAY DETAIL SHEETS FOR TEMPORARY ALIGNMENT INFORMATION.

A-A
STA. 20+50



MATCHLINE
-L- STA 10+00.00
(SEE TMP-7A)

MATCHLINE -L- STA 24+00.00
(SEE TMP-7C)

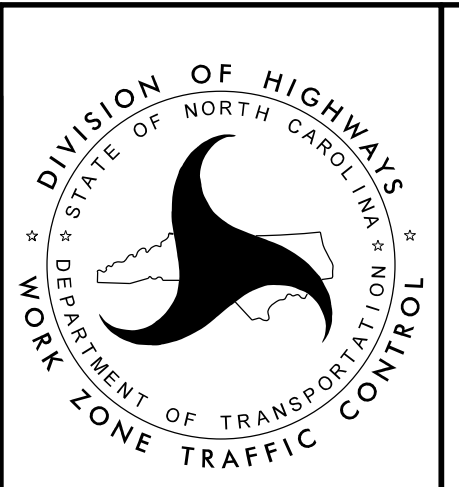


WORK AREA

APPROVED: *Faith E. Jahnke*
DATE: 9/15/2023

SEAL
NORTH CAROLINA PROFESSIONAL ENGINEER
FAITH E. JAHNKE
046981

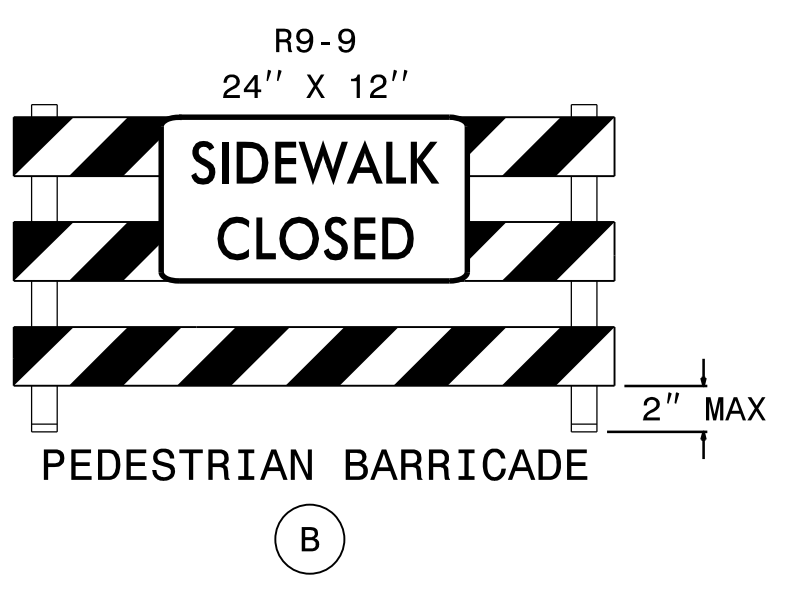
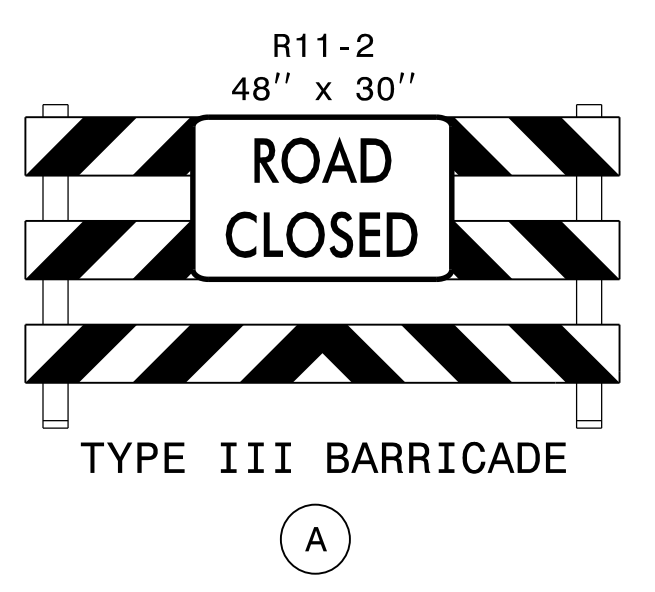
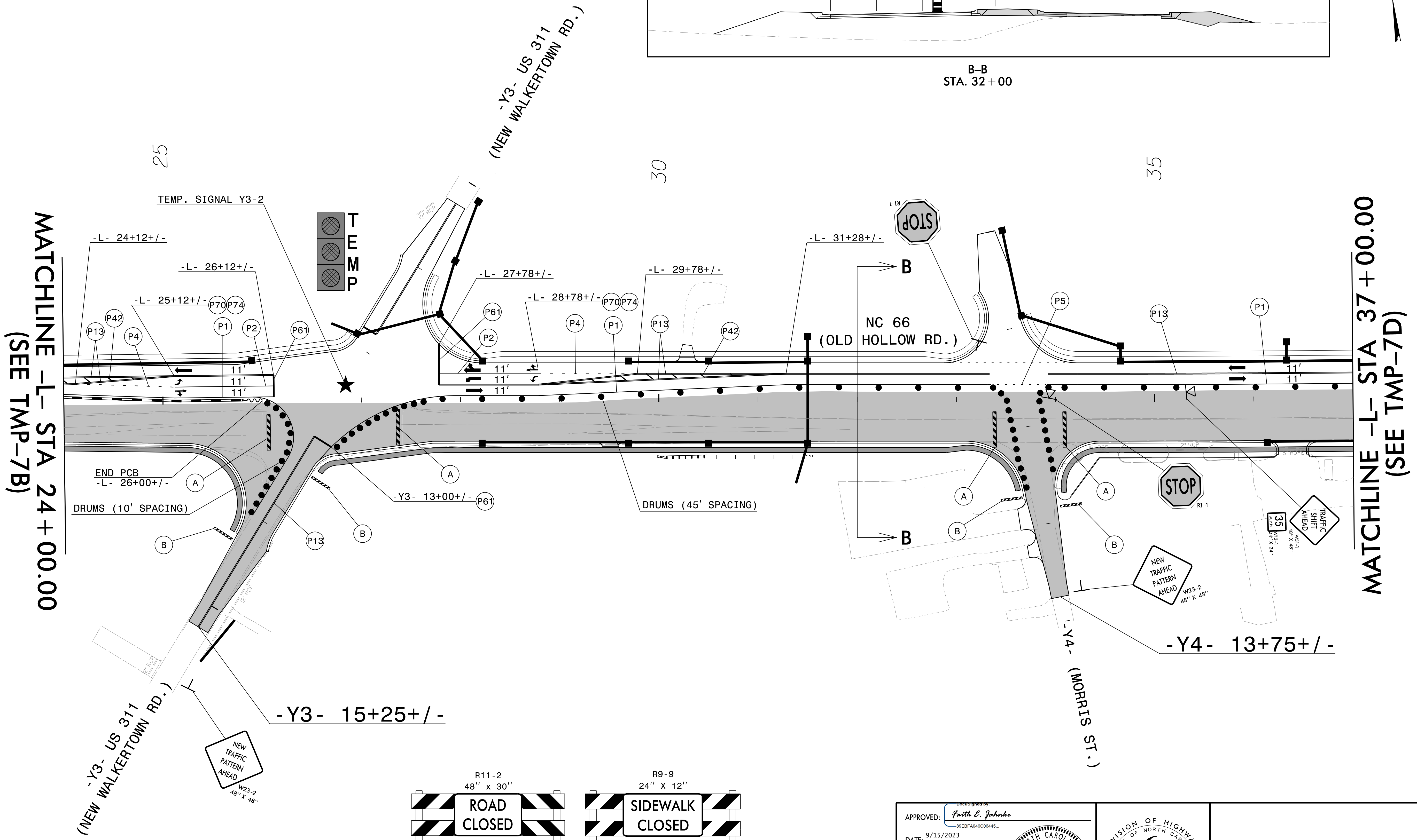
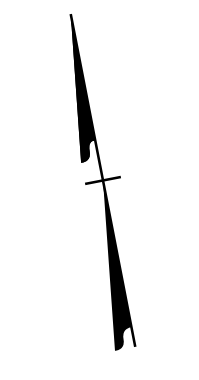
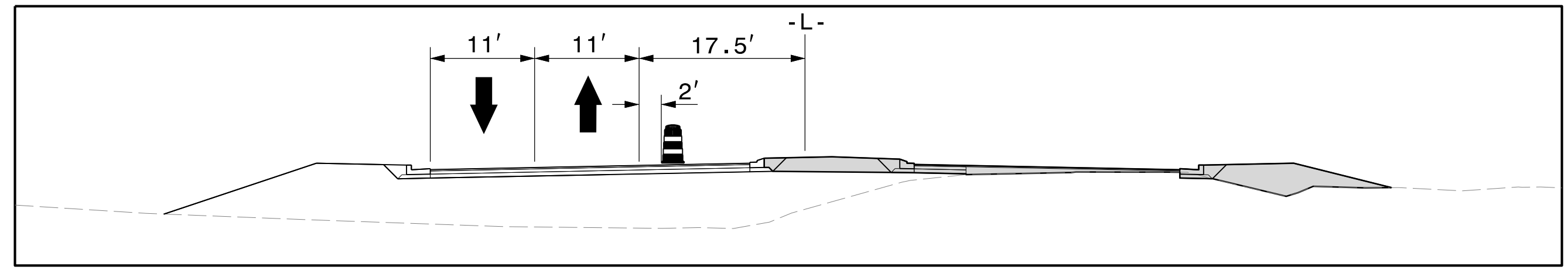
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PHASE II
DETAIL

15-AUG-2023 14:55
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faith.jahnke

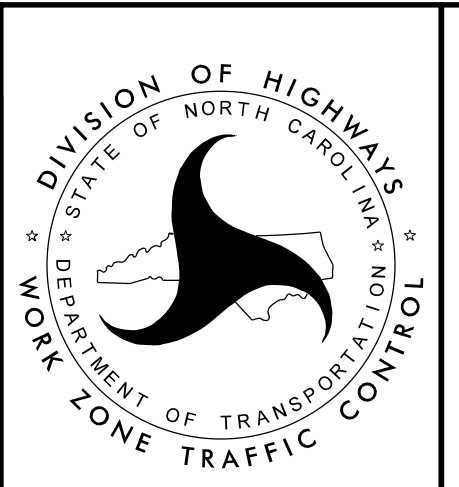
REFERENCE PAVEMENT MARKING PLANS FOR
-Y- LINE PAVEMENT MARKING LOCATIONS
AND DIMENSIONS NOT OTHERWISE SHOWN.



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DATE: 9/15/2023

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FAITH E. JAHNKE
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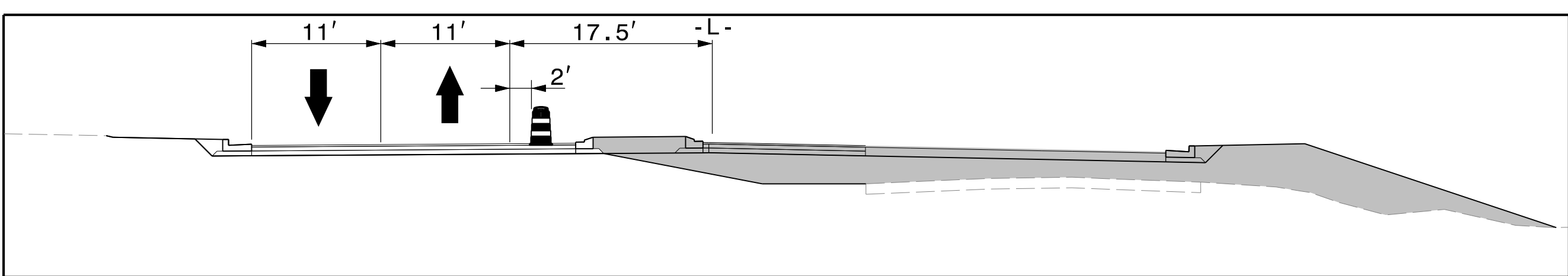
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DETAIL

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faith.jahnke

WORK AREA

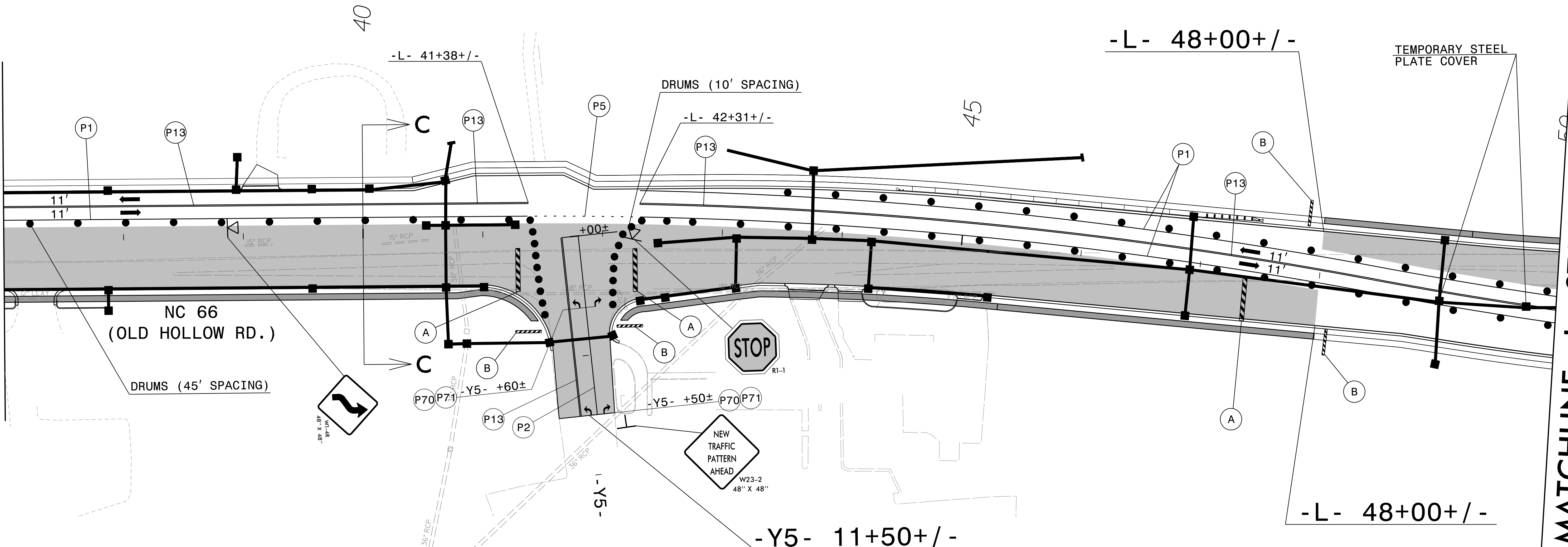
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SEE ROADWAY DETAIL SHEETS FOR TEMPORARY ALIGNMENT INFORMATION.

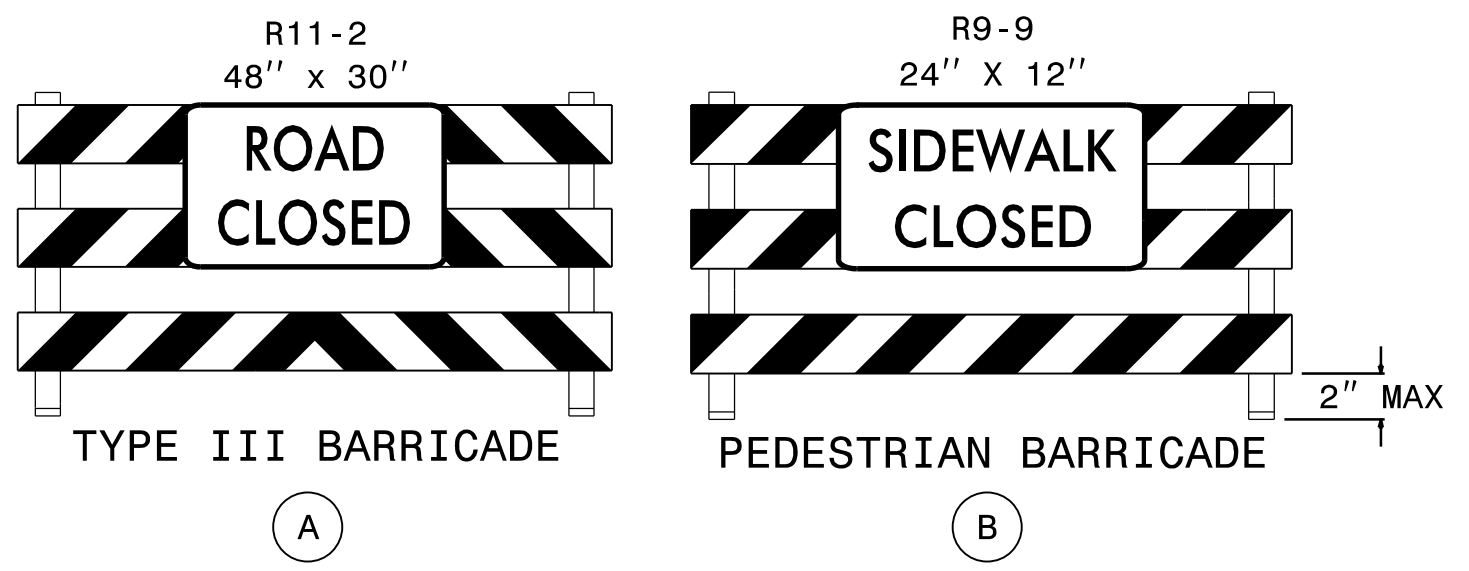


C-C
STA. 40+00

MATCHLINE -L- STA 37+00.00
(SEE TMP-7C)



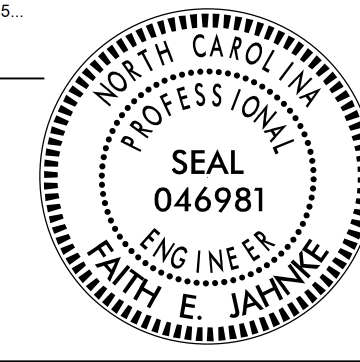
MATCHLINE -L- STA 50+00.00
(SEE TMP-7E)



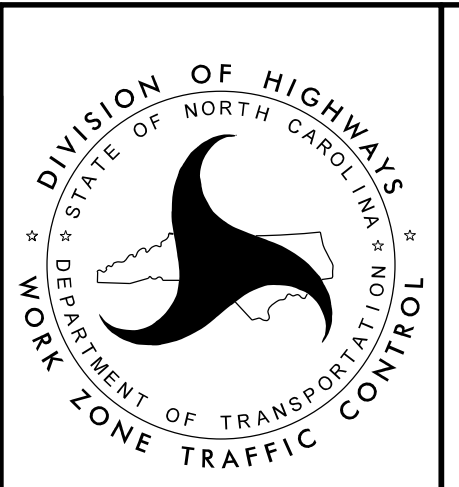
 WORK AREA

APPROVED: *Faith E. Jahnske*
R0E8FAD48C0045...
DATE: 9/15/2023

SEAL



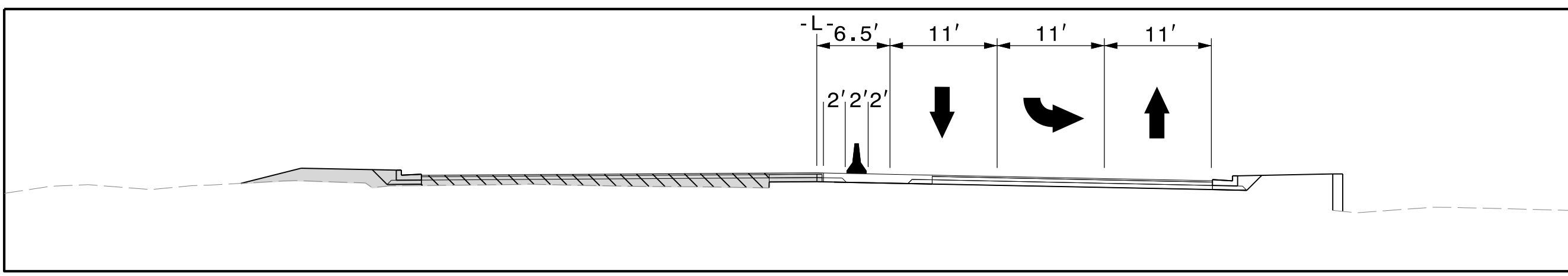
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UNLESS ALL SIGNATURES COMPLETED



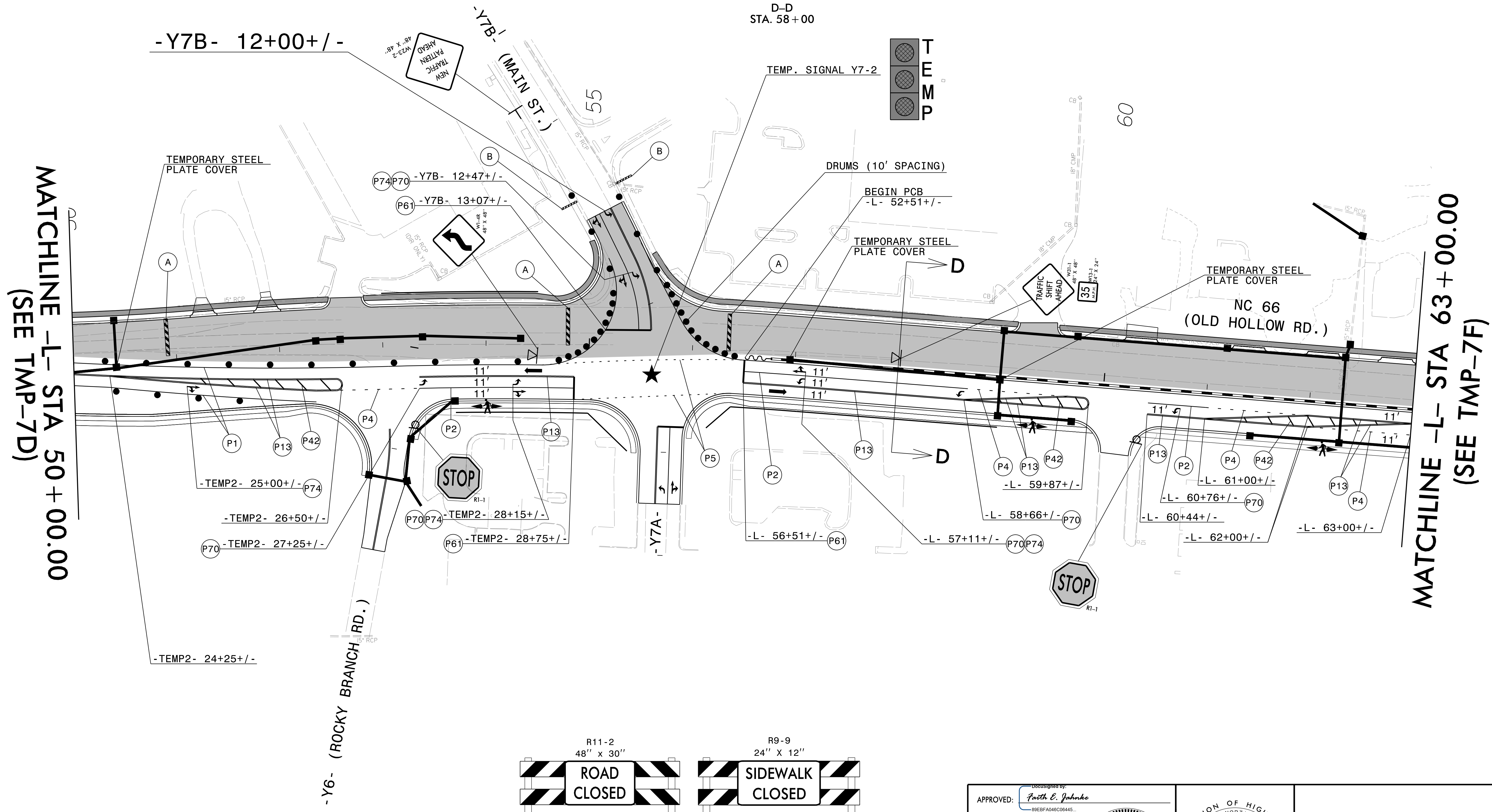
PHASE II
DETAIL

REFERENCE PAVEMENT MARKING PLANS FOR -Y- LINE PAVEMENT MARKING LOCATIONS AND DIMENSIONS NOT OTHERWISE SHOWN.

SEE ROADWAY DETAIL SHEETS FOR TEMPORARY ALIGNMENT INFORMATION.

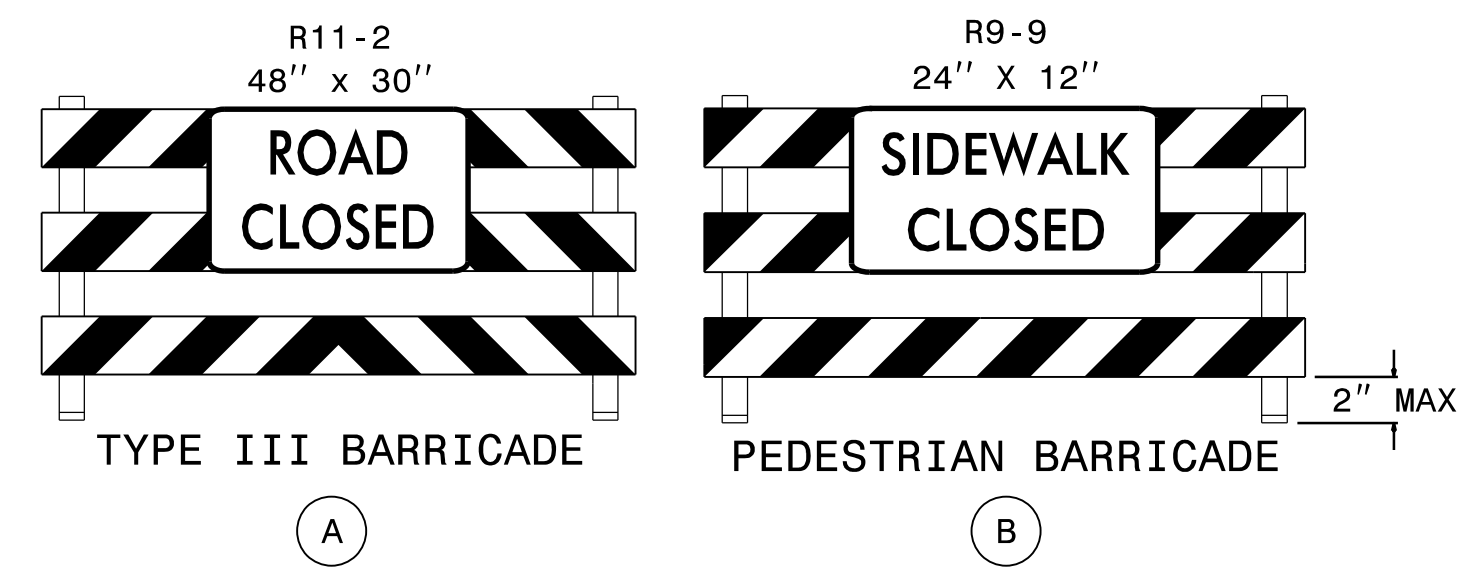


D-D
STA. 58+00



MATCHLINE -L- STA 50+00.00
(SEE TMP-7D)

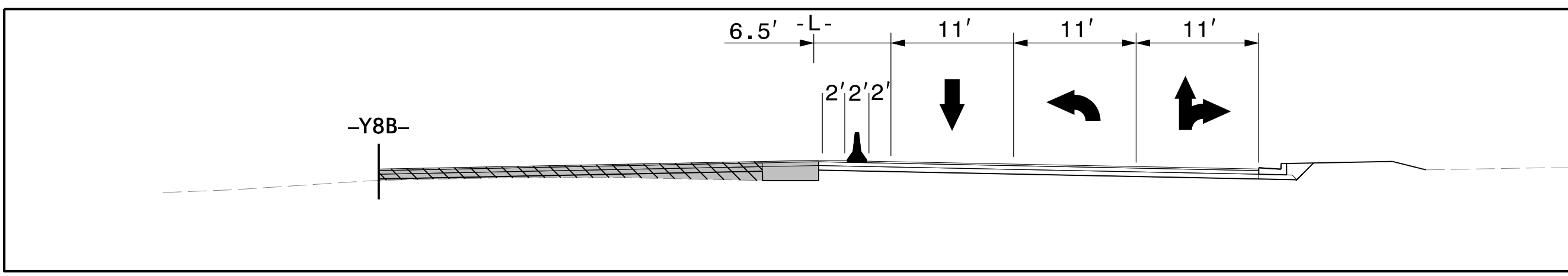
MATCHLINE -L- STA 63+00.00
(SEE TMP-7F)



| | | |
|--|--|--|
| APPROVED: <i>Faith E. Jahnke</i> DATE: 9/15/2023 SEAL | | <p style="text-align: center;">PHASE II DETAIL</p> |
| <p>DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED</p> | | |

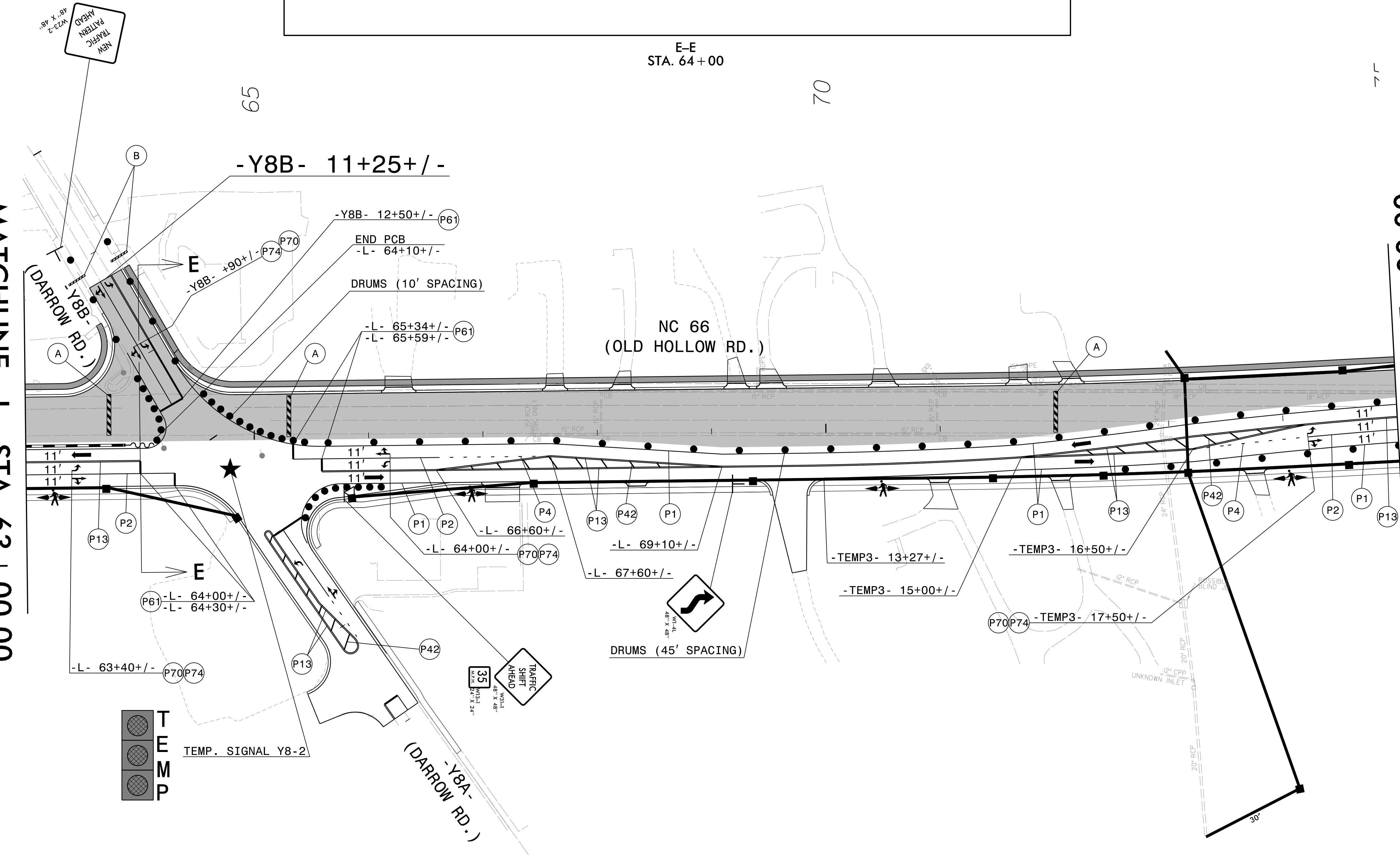
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U5824-1C-TMP-7E.dgn
Faith.Jahnke

WORK AREA



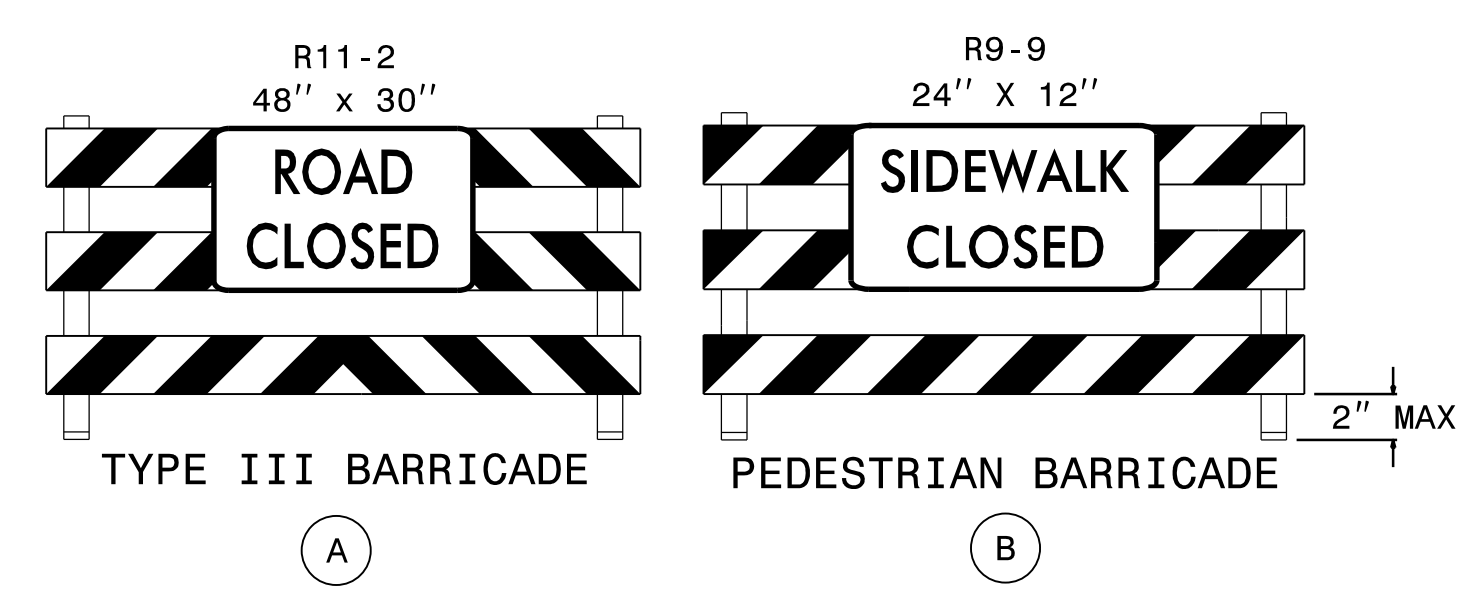
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(SEE TMP-7E)

MATCHLINE -L- STA 75+00.00
(SEE TMP-7G)

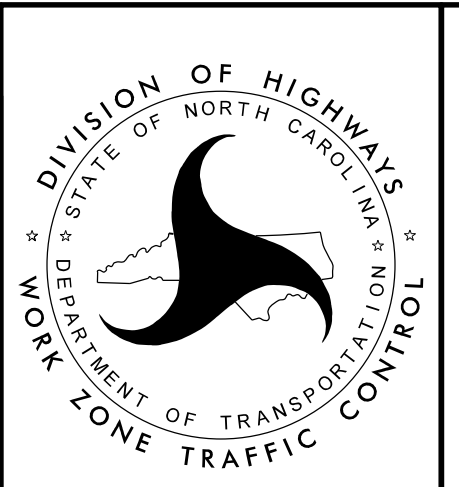


SEE ROADWAY DETAIL SHEETS FOR TEMPORARY ALIGNMENT INFORMATION.
REFERENCE PAVEMENT MARKING PLANS FOR -Y- LINE PAVEMENT MARKING LOCATIONS AND DIMENSIONS NOT OTHERWISE SHOWN.

WORK AREA



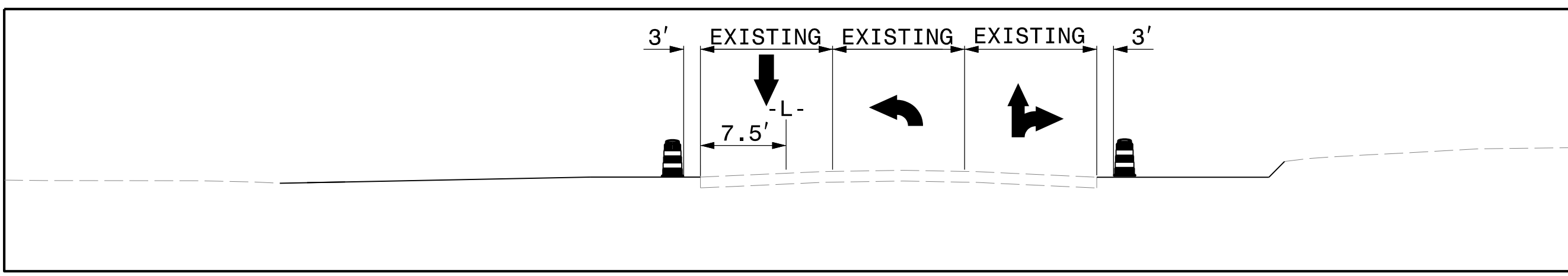
APPROVED: *Faith E. Jahnke*
DATE: 9/15/2023
SEAL: NORTH CAROLINA PROFESSIONAL ENGINEER SEAL 046981 FAITH E. JAHNKE



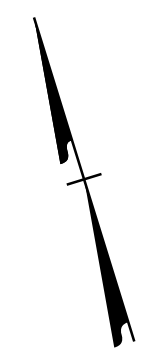
PHASE II
DETAIL

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UNLESS ALL SIGNATURES COMPLETED

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Faith.Jahnke

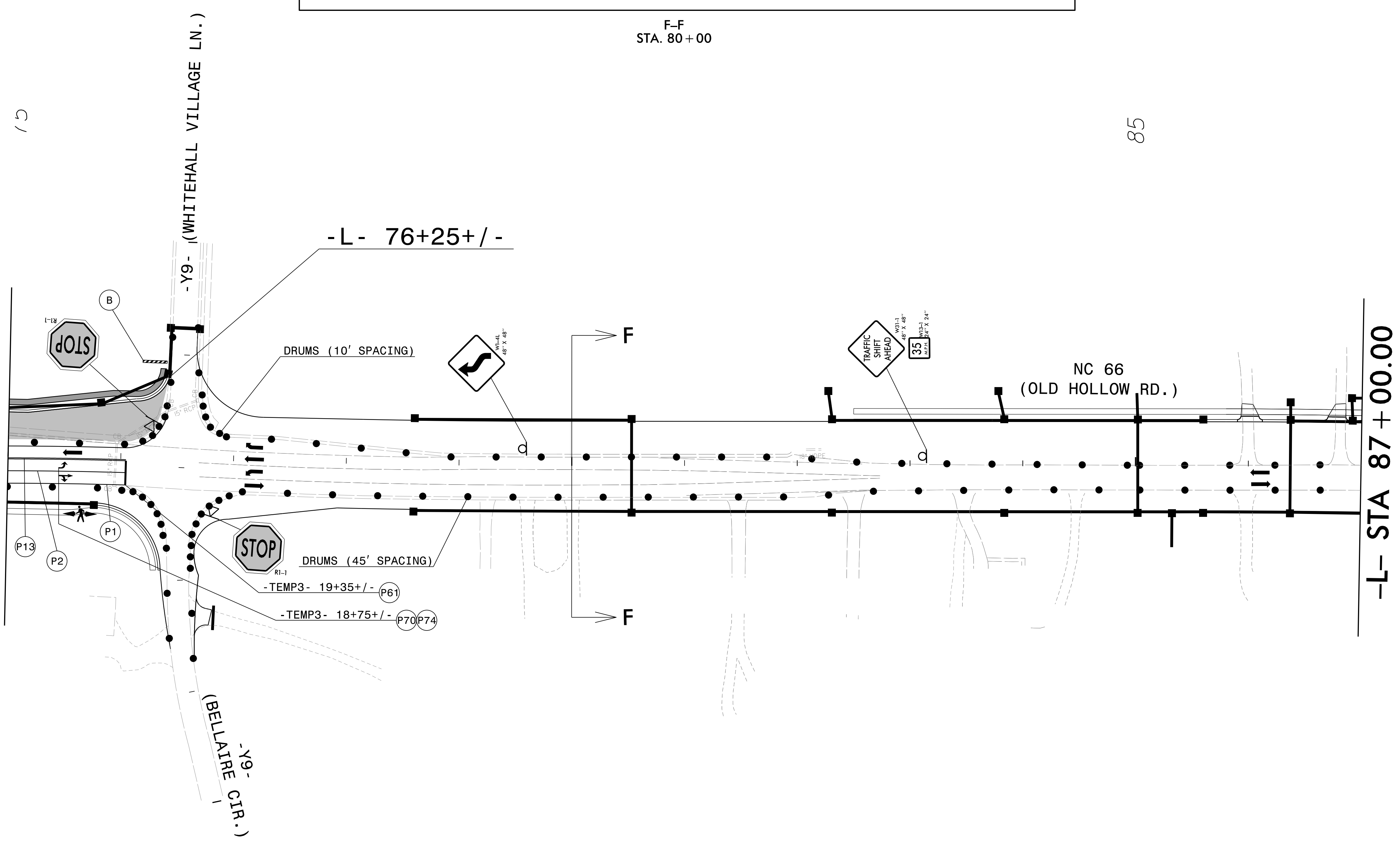


F-F
STA. 80+00




85

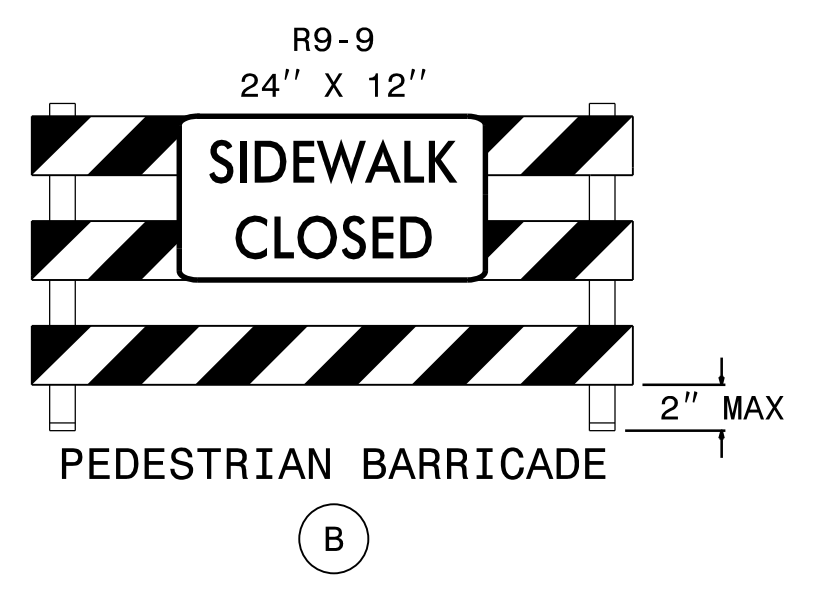
MATCHLINE -L- STA 75+00.00
(SEE TMP-7F)



C/

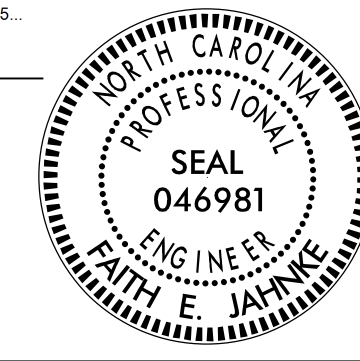
 WORK AREA

SEE ROADWAY DETAIL SHEETS FOR TEMPORARY ALIGNMENT INFORMATION.

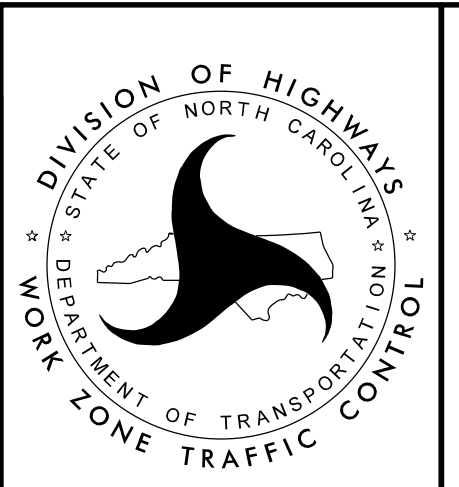


APPROVED: *Faith E. Jahnske*
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 DATE: 9/15/2023

SEAL

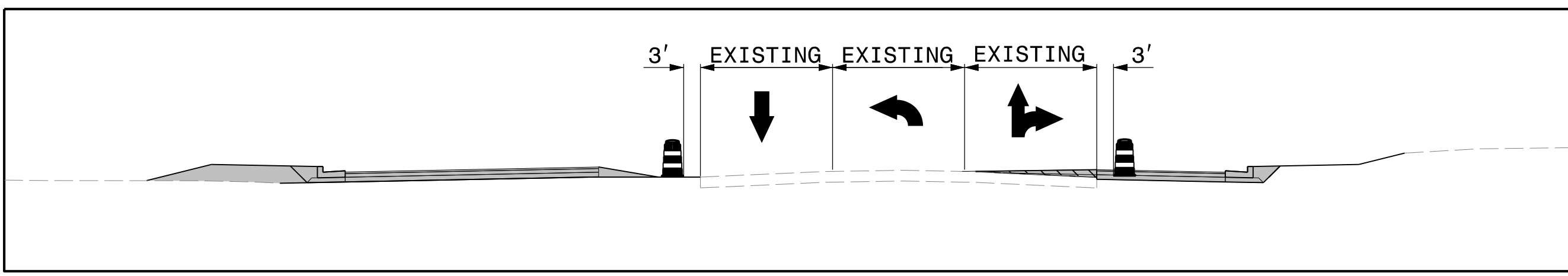


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UNLESS ALL SIGNATURES COMPLETED**

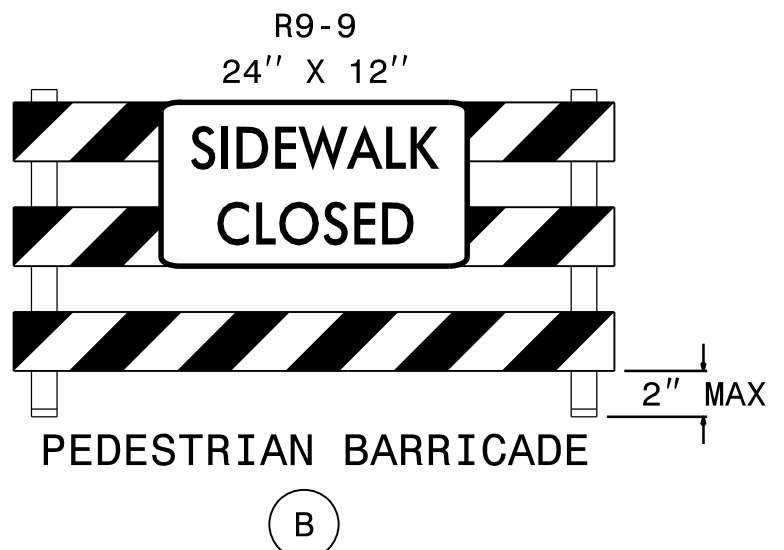
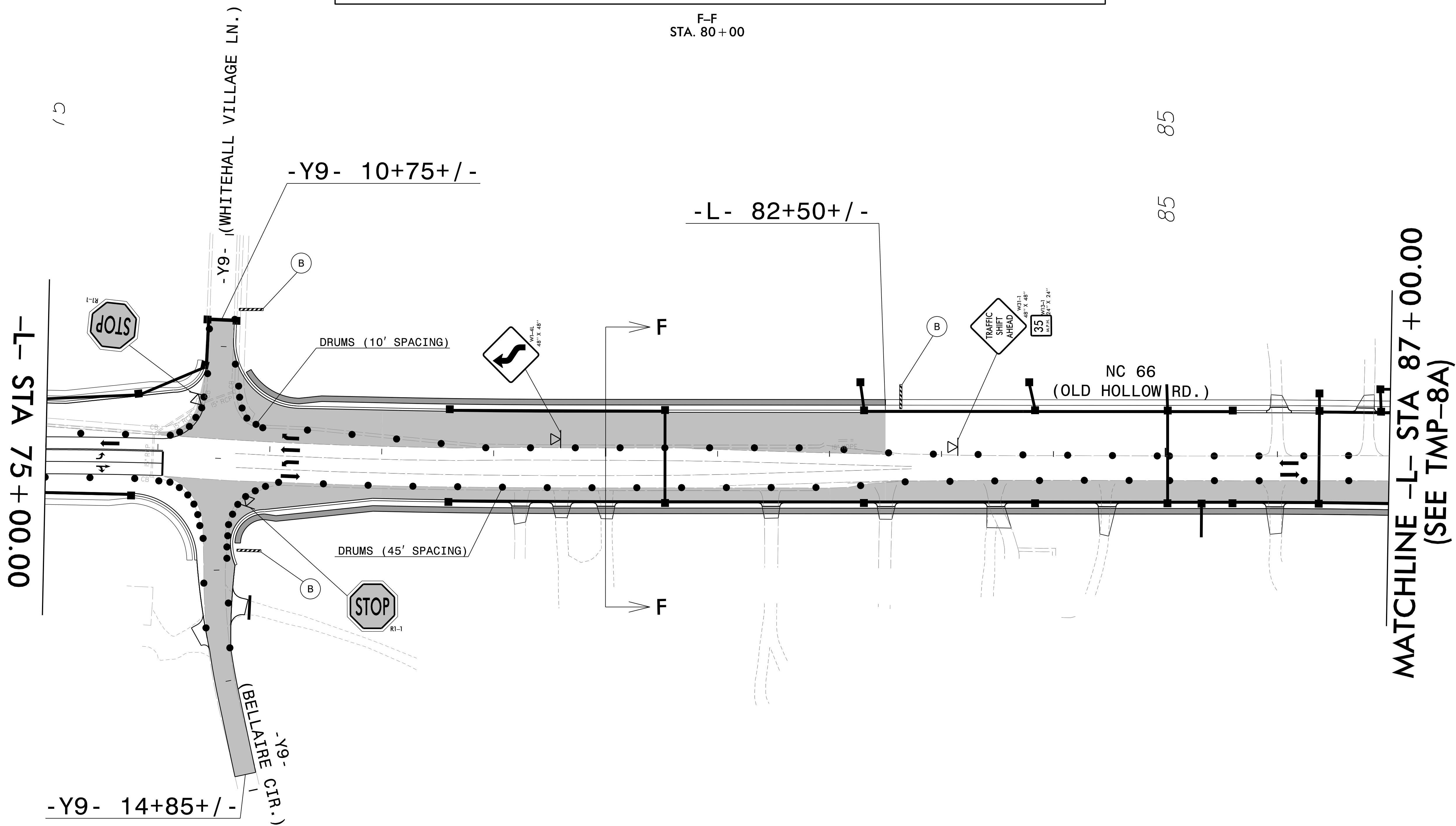
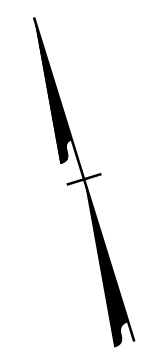


PHASE II
DETAIL

15-AUG-2023 14:55
U5824-TC-TMP-7G.dgn
Faith.Jahnske



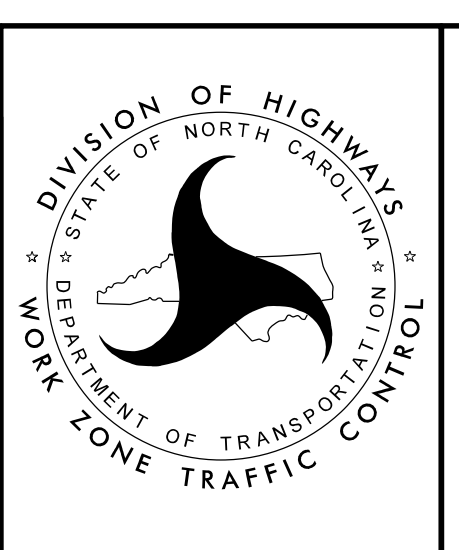
F-F
STA. 80+00



APPROVED: *Faith E. Jahmke*
DATE: 9/15/2023

SEAL

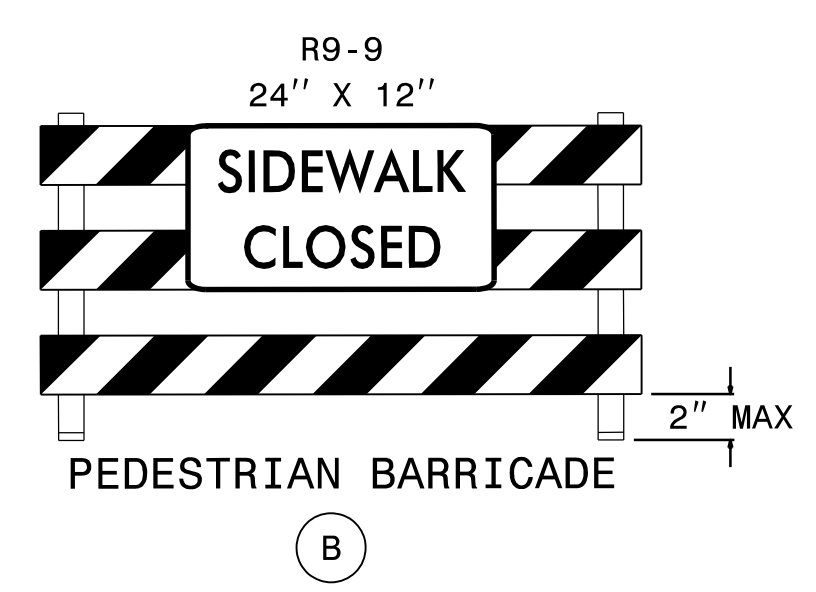
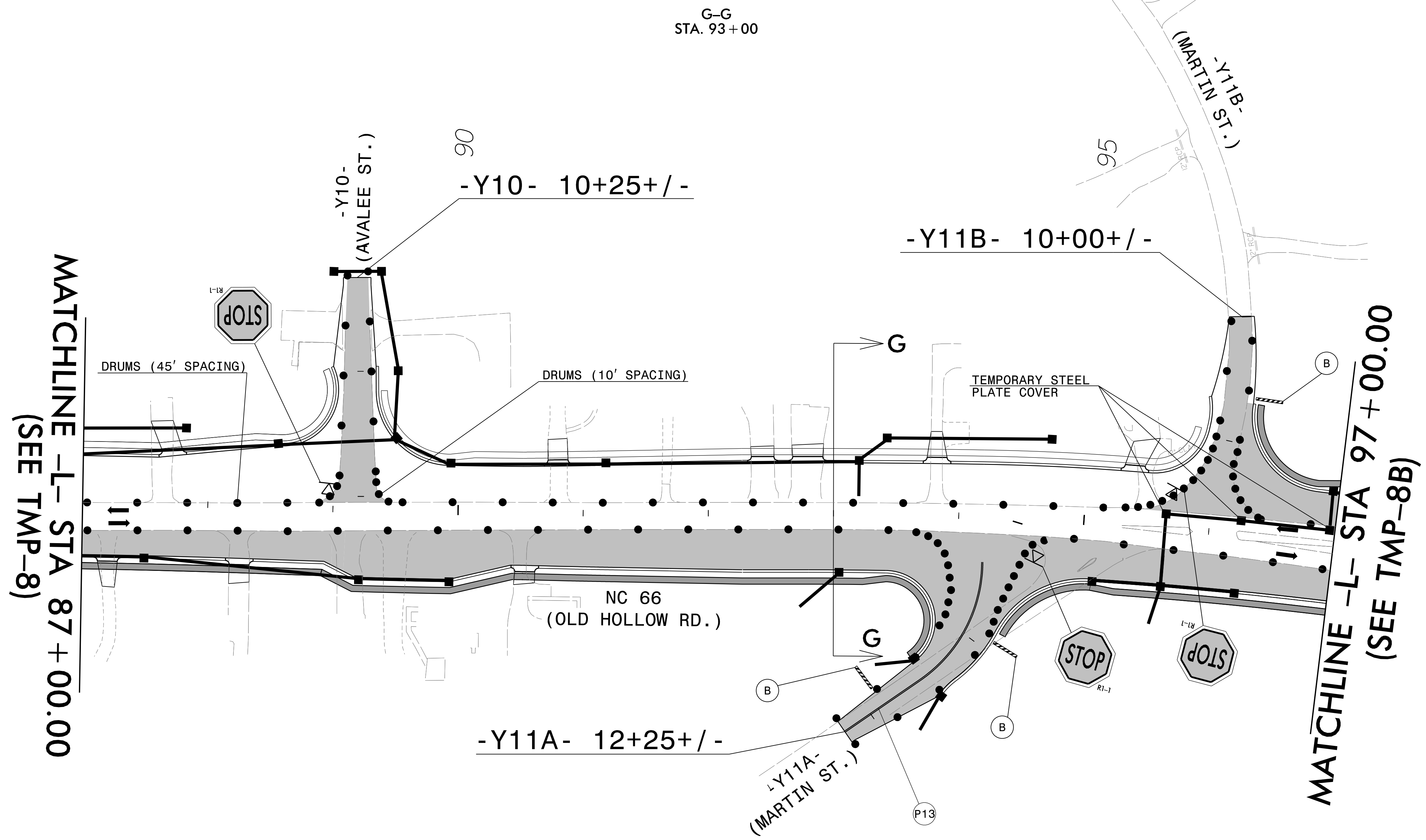
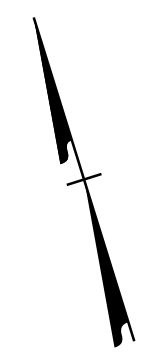
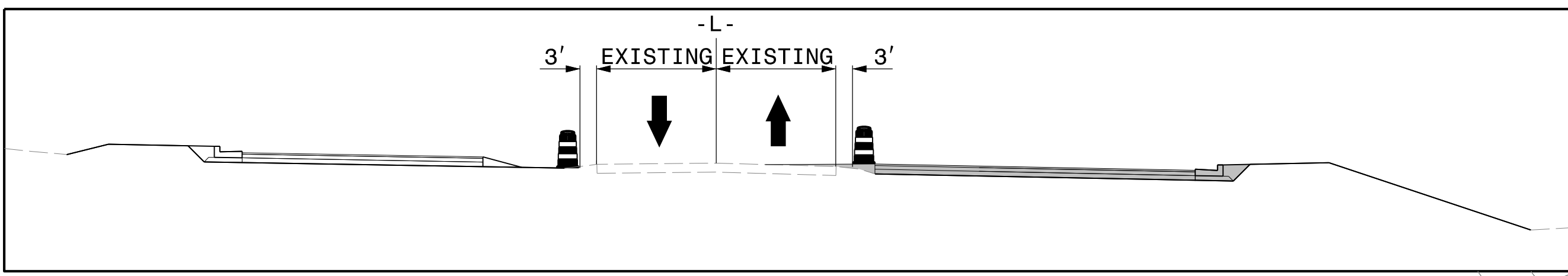
DOCUMENT NOT CONSIDERED FINAL
UNLESS ALL SIGNATURES COMPLETED



PHASE IIA
DETAIL

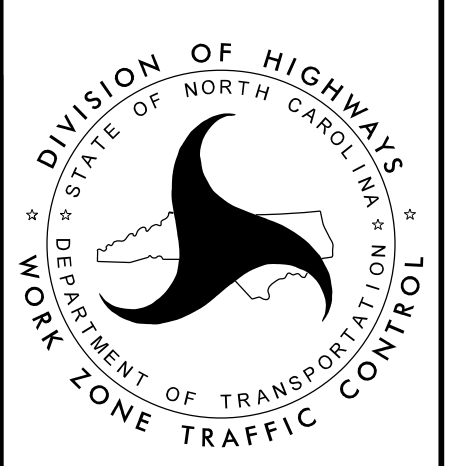
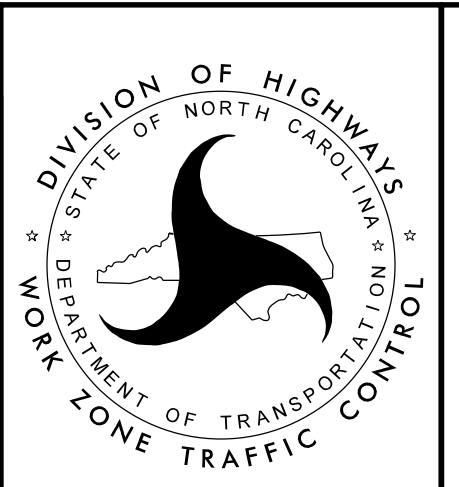
15-AUG-2023 14:56
U5824-1C-TMP-8.dgn
faith.jahmke

WORK AREA



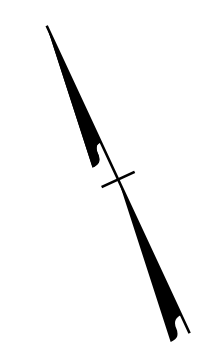
WORK AREA

APPROVED: *Faith E. Jahnske*
DATE: 9/15/2023
SEAL
DOCUMENT NOT CONSIDERED FINAL
UNLESS ALL SIGNATURES COMPLETED

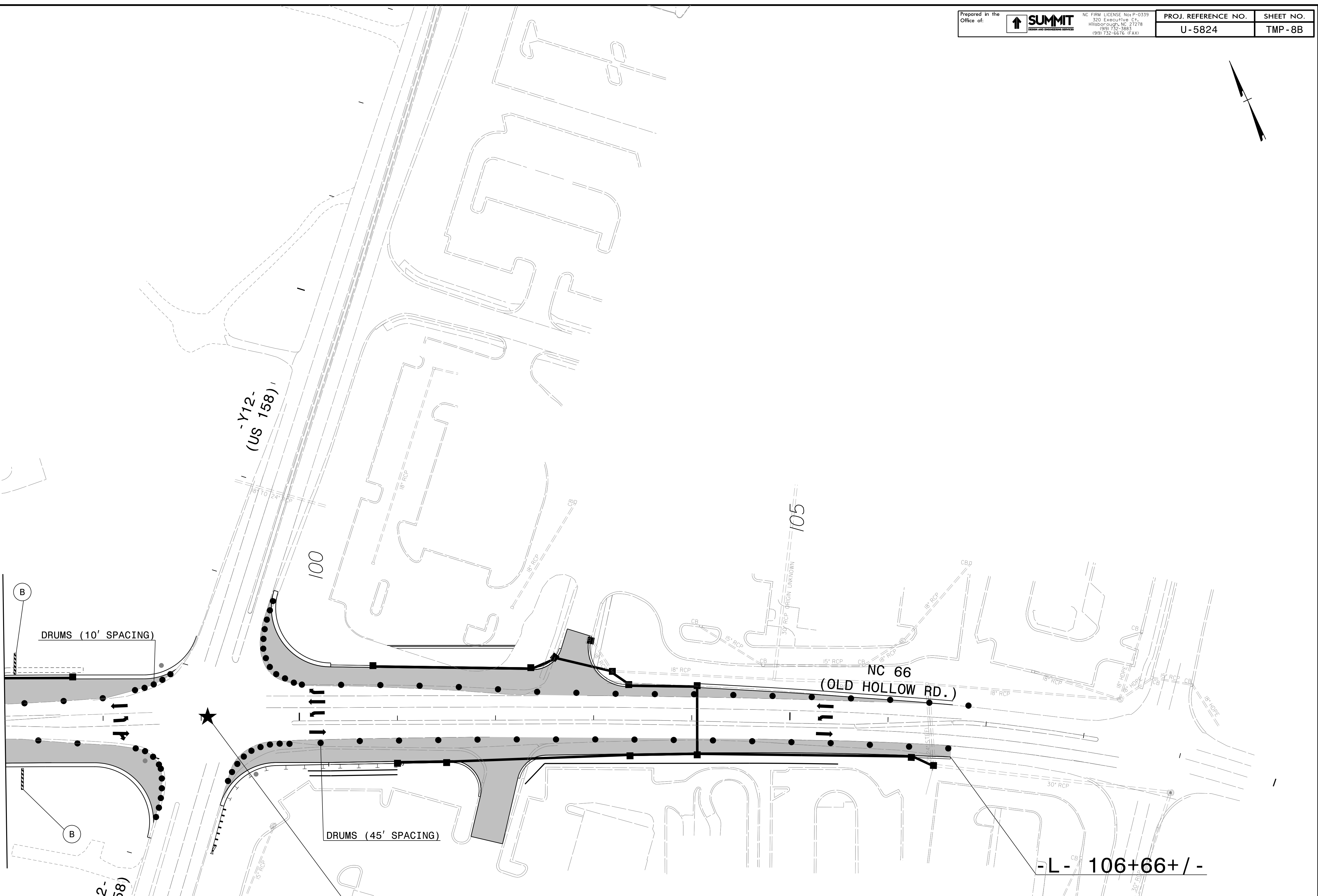



PHASE IIA
DETAIL

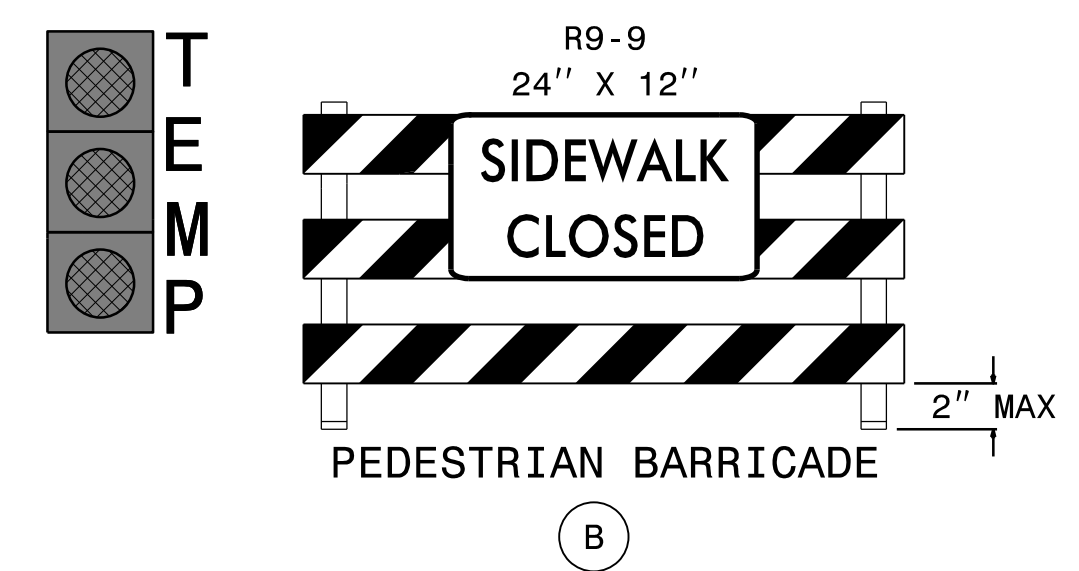
15-AUG-2023 14:56
U5824-1C-TMP-8A.dgn
Faith.Jahnske



MATCHLINE -L- STA 97+00.00
(SEE TMP-8A)

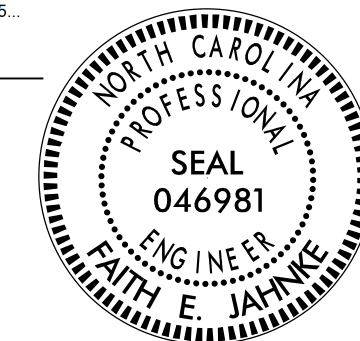


 WORK AREA

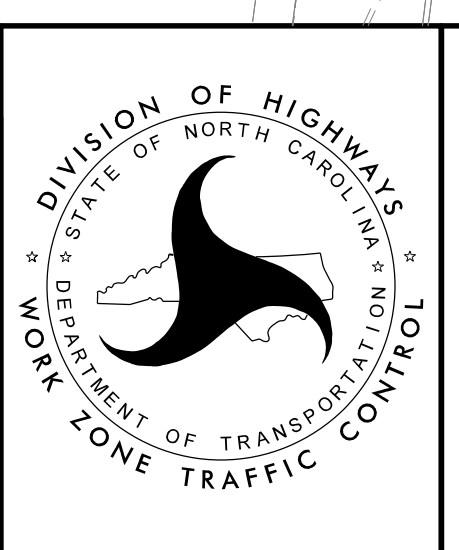


APPROVED: *Faith E. Jahneke*
088EFA040C0045...
 DATE: 9/15/2023

SEAL

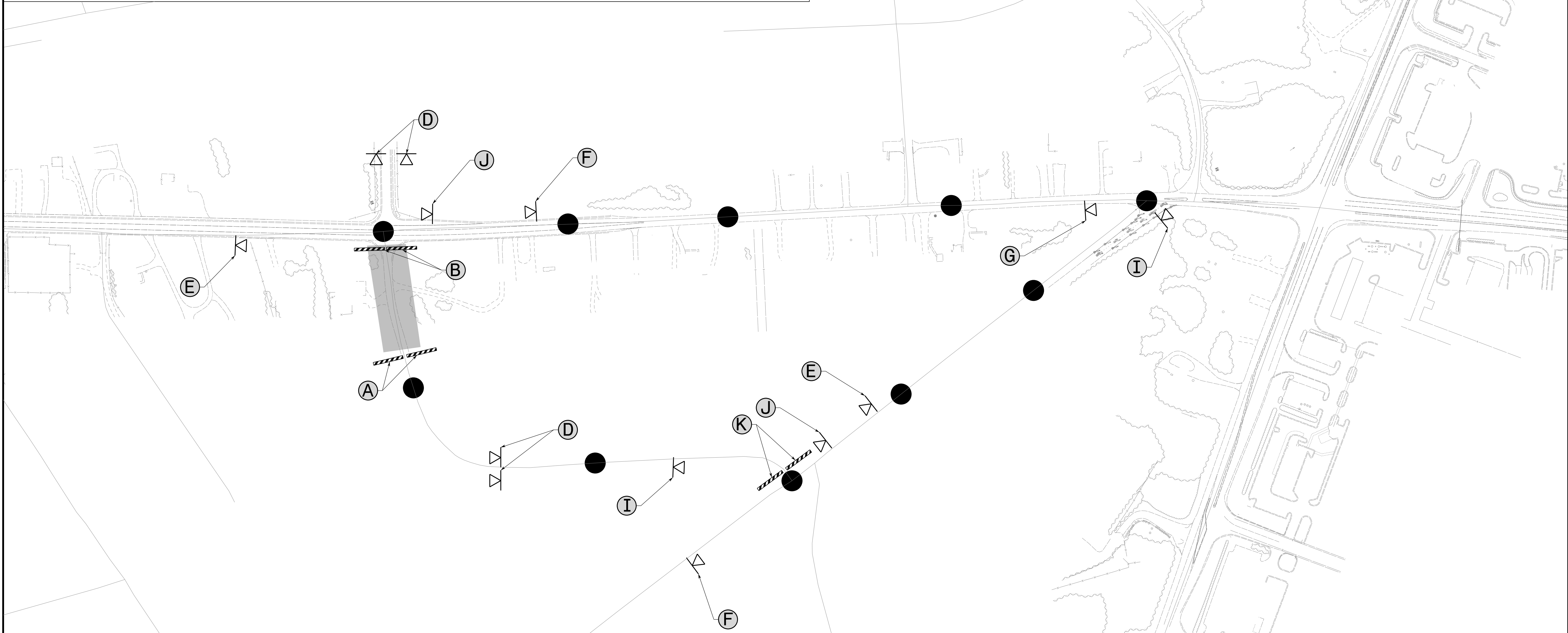
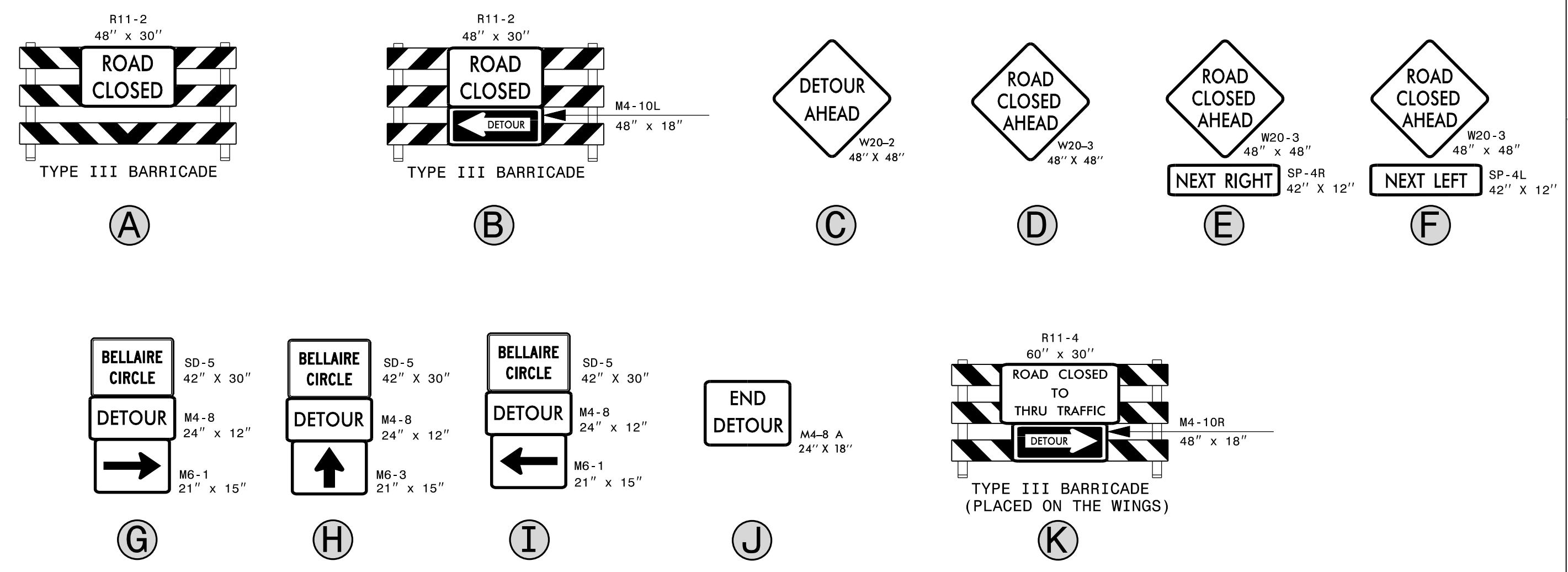


**DOCUMENT NOT CONSIDERED FINAL
UNLESS ALL SIGNATURES COMPLETED**

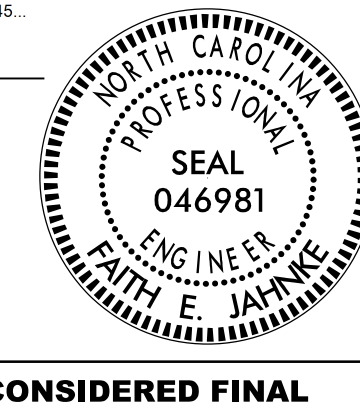
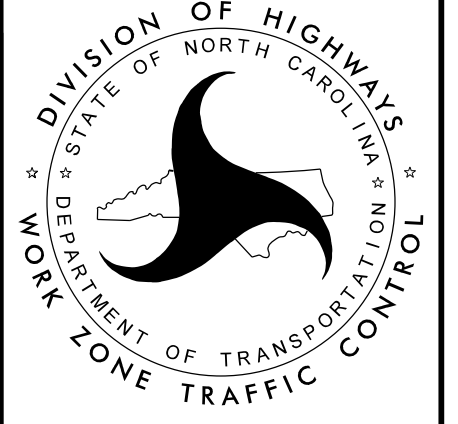


PHASE IIA
DETAIL

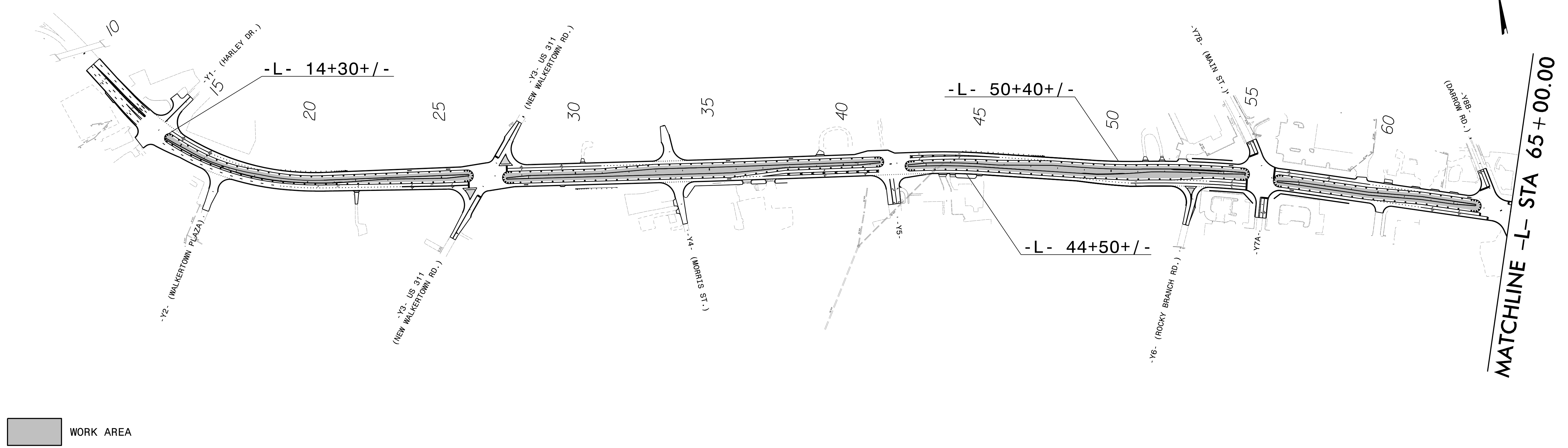
15-AUG-2023 14:56
U5824-TC-TMP-8B.dgn
faith.jahneke



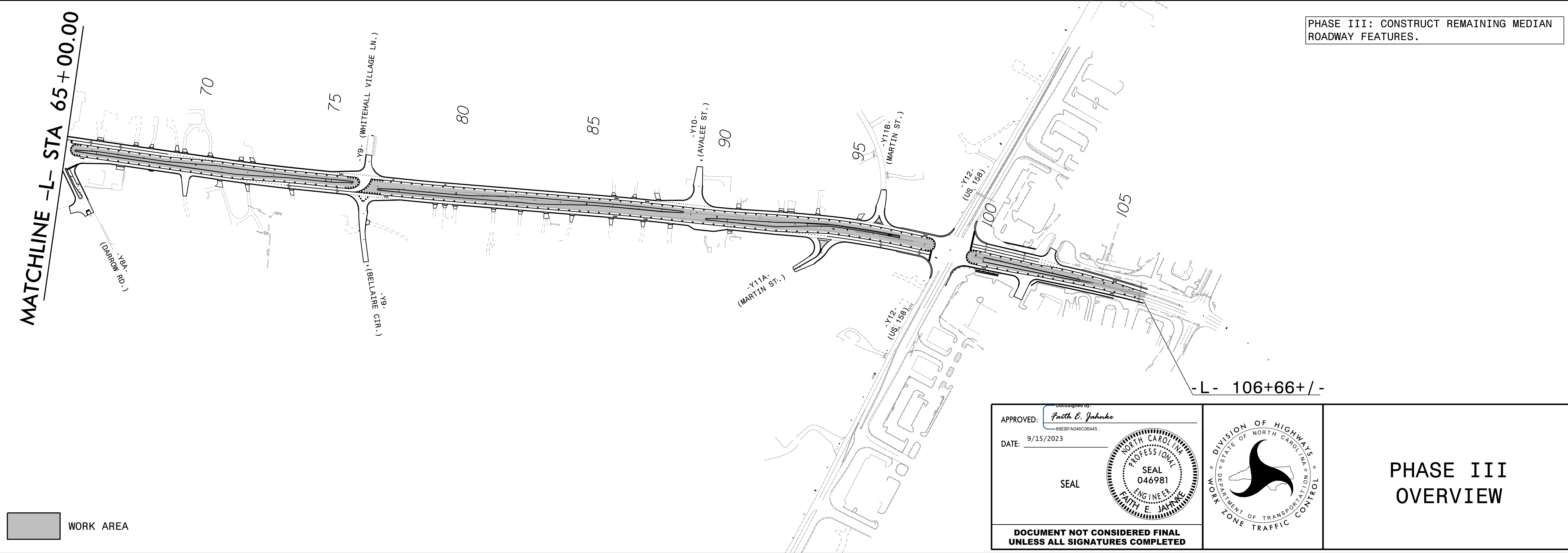
15-AUG-2023 14:56
 U5824-TC-TMP-8C.dgn
 faith.jahnke

| | | |
|---|---|--|
| APPROVED: <i>Faith E. Jahnke</i> <small>08EFPAD4C08445</small> DATE: 9/15/2023 SEAL  DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED |  | <p>-Y9- (BELLAIRE CIR.) TEMPORARY DETOUR DETAIL</p> |
|---|---|--|

PHASE III: CONSTRUCT REMAINING MEDIAN ROADWAY FEATURES.



WORK AREA



PHASE III: CONSTRUCT REMAINING MEDIAN ROADWAY FEATURES.

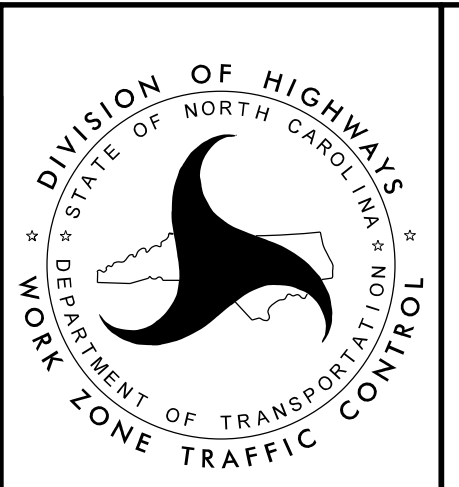
WORK AREA

25-AUG-2023 11:12
U5824-TC-TMP-9.dgn
faith.jahnke

APPROVED: *Faith E. Jahnke*
DATE: 9/15/2023

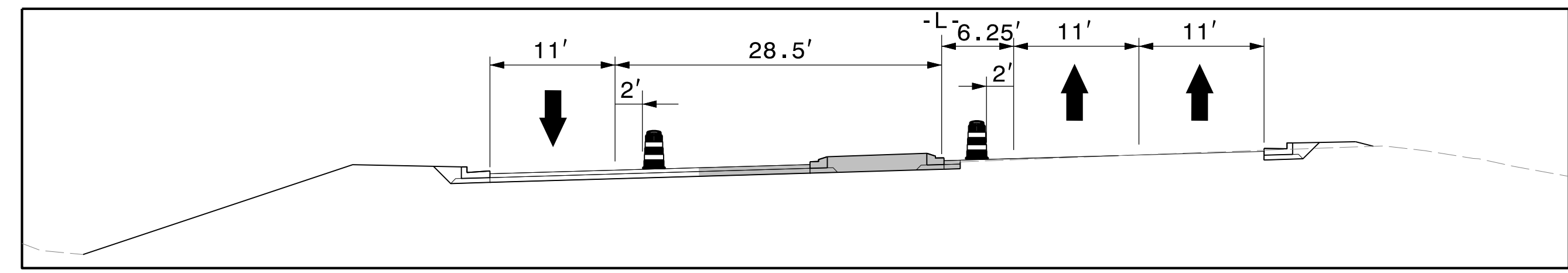
SEAL

DOCUMENT NOT CONSIDERED FINAL
UNLESS ALL SIGNATURES COMPLETED

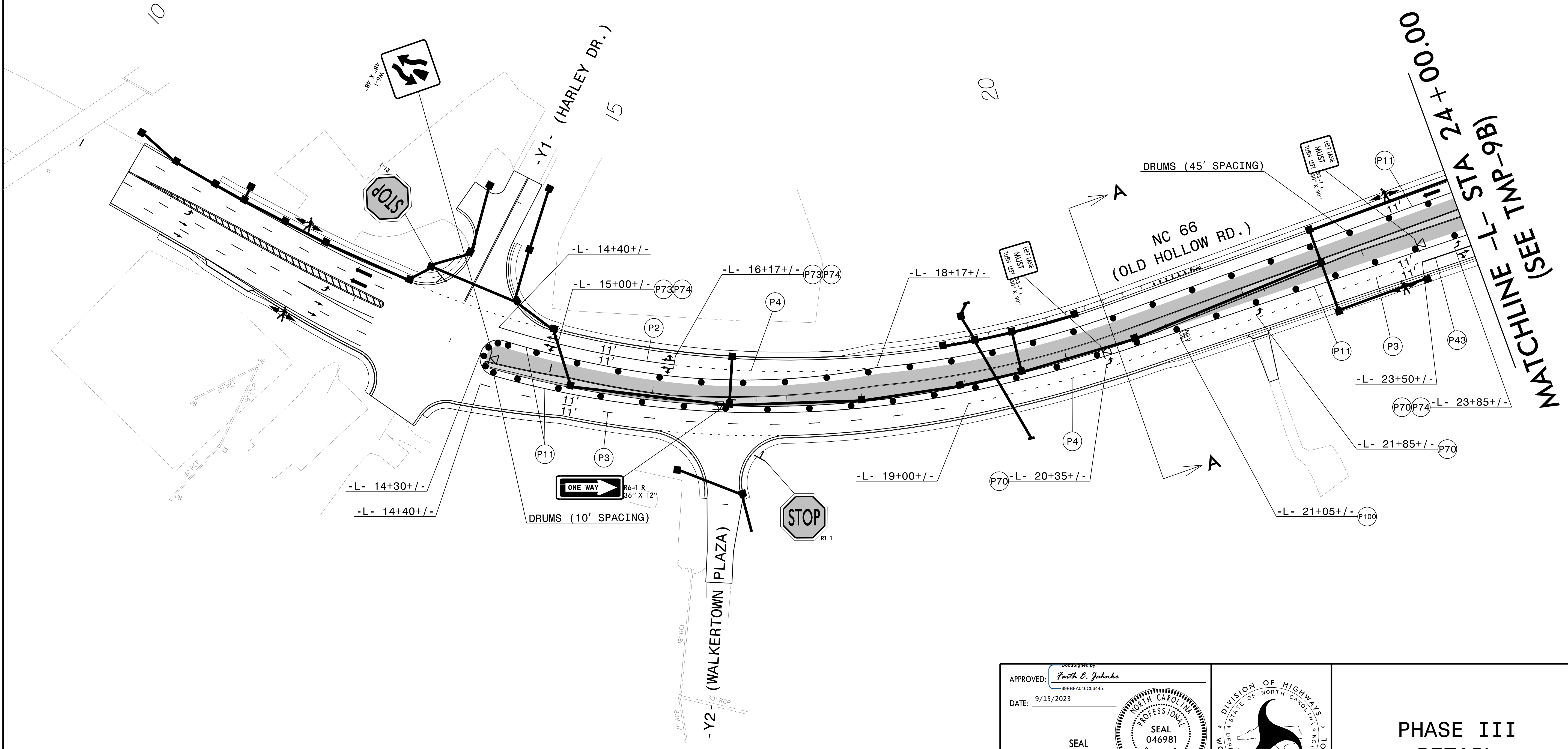
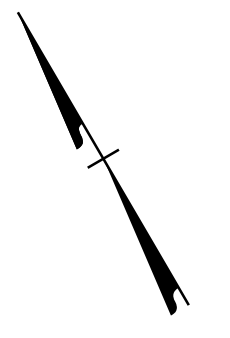


PHASE III
OVERVIEW

REFERENCE PAVEMENT MARKING PLANS FOR
-Y- LINE PAVEMENT MARKING LOCATIONS
AND DIMENSIONS NOT OTHERWISE SHOWN.



A-A
STA. 20+50



00+00
24+00
-L- STA 24+00.00
MATCHLINE -L- STA 19+00.00
(SEE TMP-9B)

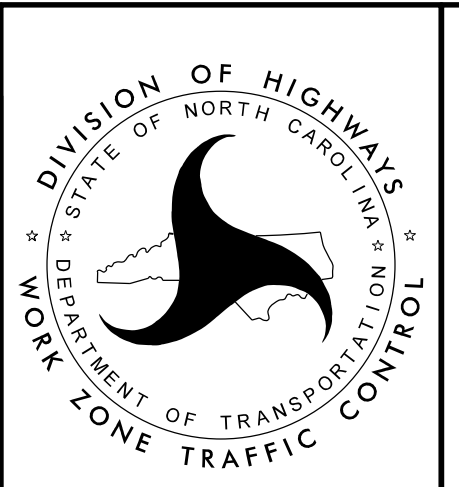
15-AUG-2023 14:56
U5824-1C-TMP-9A.dgn
faith.jahnke

WORK AREA

APPROVED: *Faith E. Jahnke*
DATE: 9/15/2023

SEAL

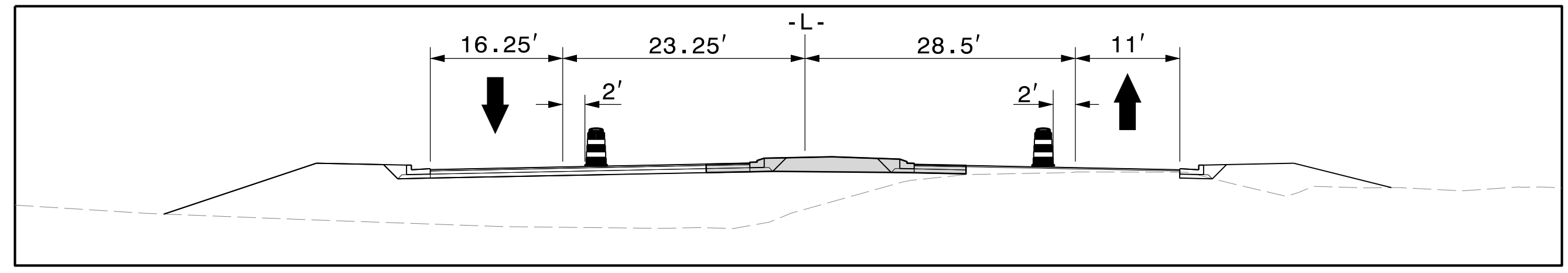
DOCUMENT NOT CONSIDERED FINAL
UNLESS ALL SIGNATURES COMPLETED



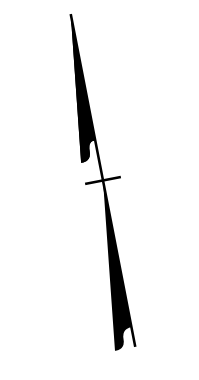
DIVISION OF HIGHWAYS
STATE OF NORTH CAROLINA
DEPARTMENT OF TRANSPORTATION
WORK ZONE TRAFFIC CONTROL

PHASE III
DETAIL

REFERENCE PAVEMENT MARKING PLANS FOR
-Y- LINE PAVEMENT MARKING LOCATIONS
AND DIMENSIONS NOT OTHERWISE SHOWN.

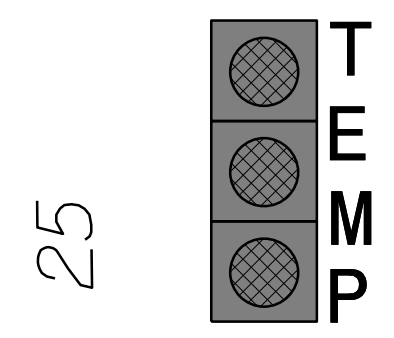
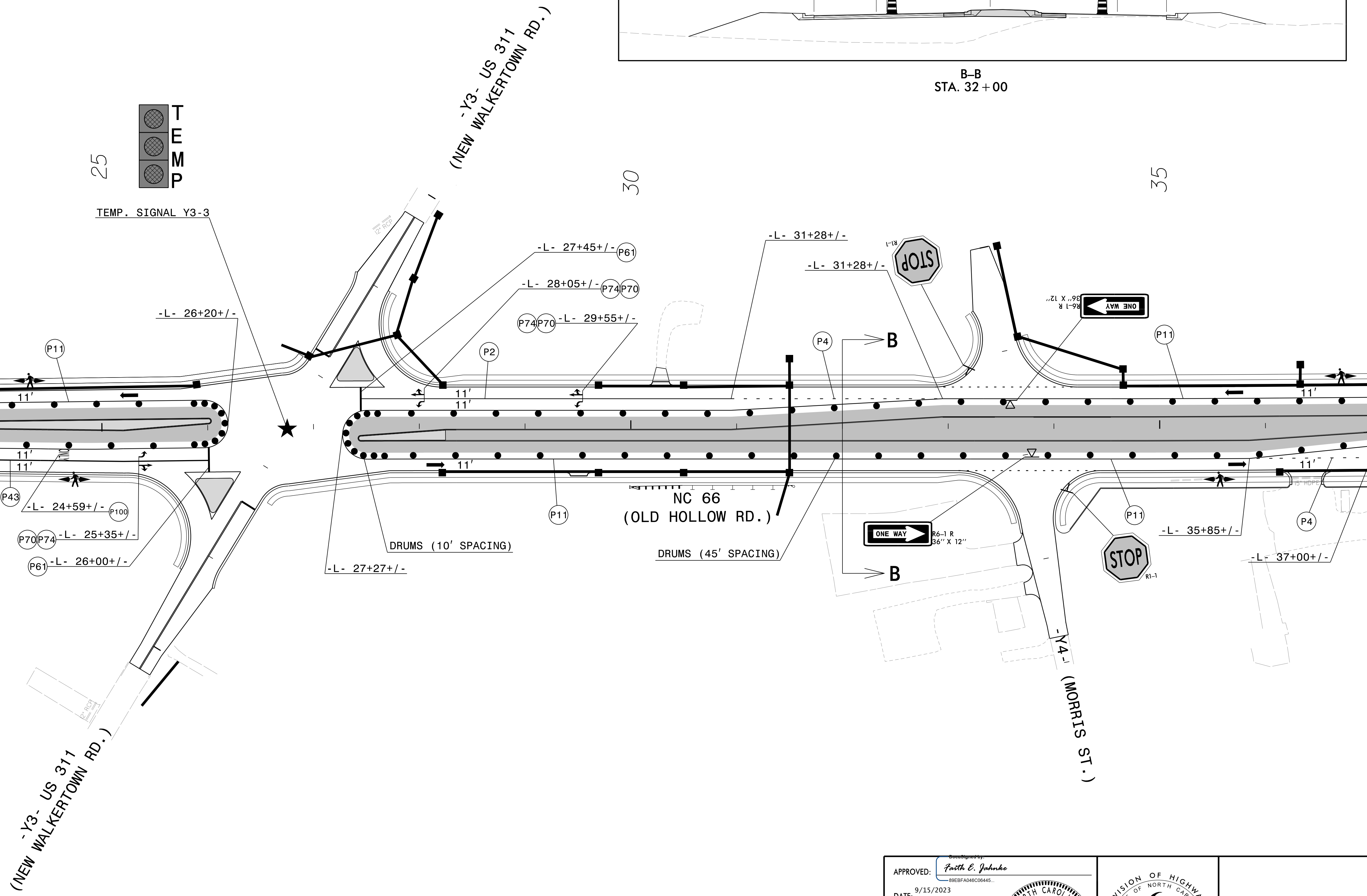


B-B
STA. 32+00



MATCHLINE -L- STA 24+00.00
(SEE TMP-9A)

MATCHLINE -L- STA 37+00.00
(SEE TMP-9C)



TEMP. SIGNAL Y3-3

DRUMS (10' SPACING)

DRUMS (45' SPACING)

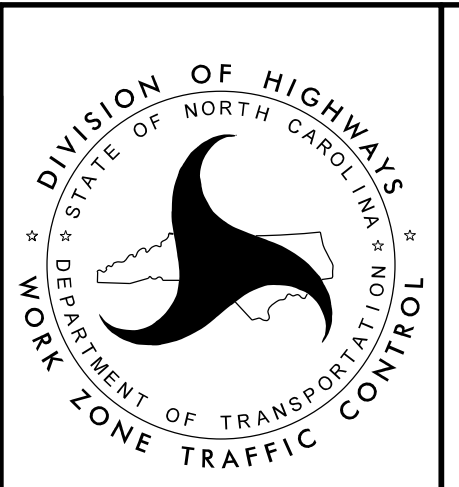


WORK AREA

APPROVED: *Faith E. Jahnke*
DATE: 9/15/2023

SEAL

DOCUMENT NOT CONSIDERED FINAL
UNLESS ALL SIGNATURES COMPLETED

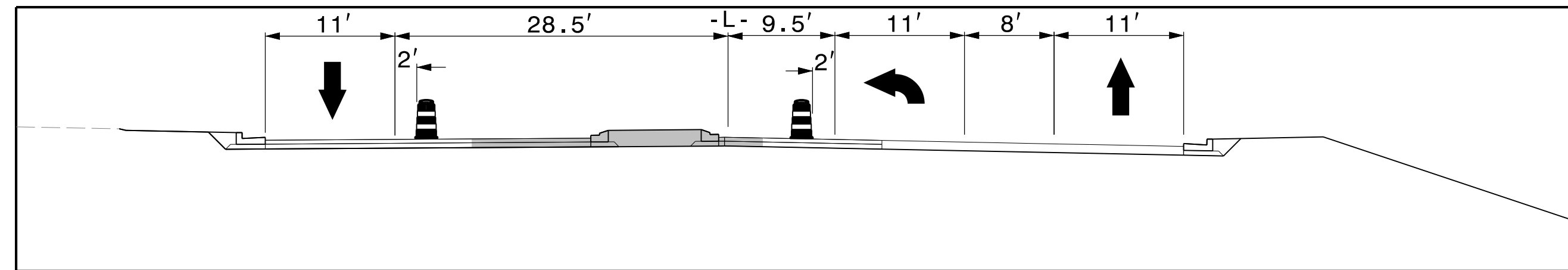


DIVISION OF HIGHWAYS
STATE OF NORTH CAROLINA
DEPARTMENT OF TRANSPORTATION
WORK ZONE TRAFFIC CONTROL

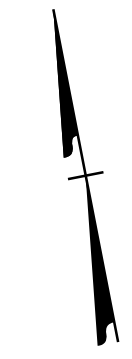
PHASE III
DETAIL

15-AUG-2023 14:56
U5824-1C-TMP-9B.dgn
faith.jahnke

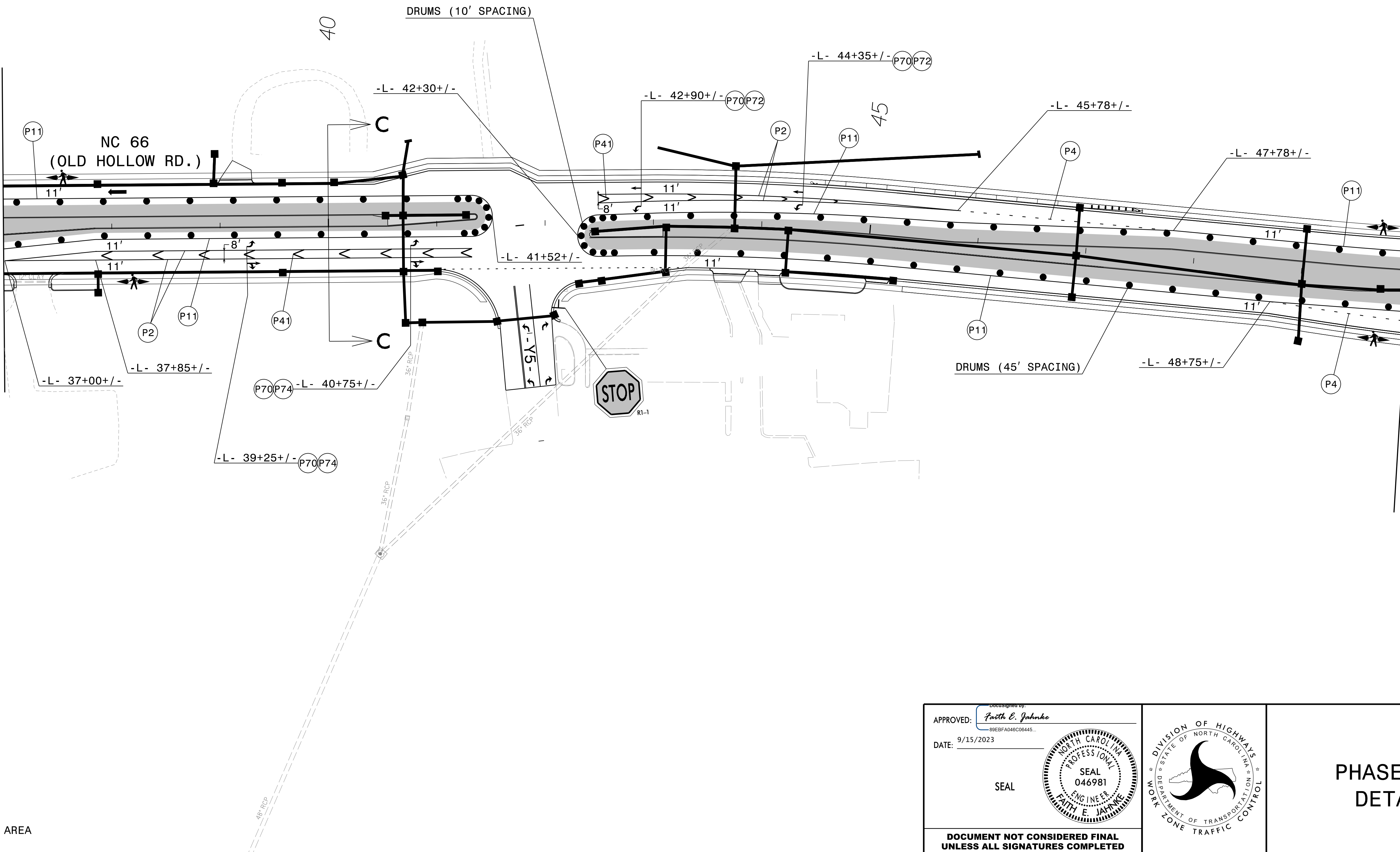
REFERENCE PAVEMENT MARKING PLANS FOR -Y- LINE PAVEMENT MARKING LOCATIONS AND DIMENSIONS NOT OTHERWISE SHOWN.



C-C
STA. 40+00



MATCHLINE -L- STA 37+00.00
(SEE TMP-9B)



MATCHLINE -L- STA 50+00.00
(SEE TMP-9D)

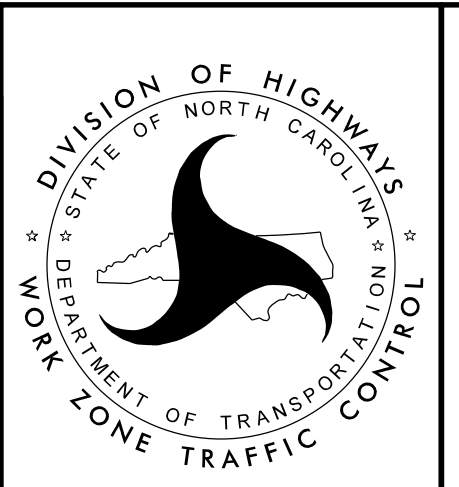
WORK AREA

15-AUG-2023 14:56
U5824-1C-TMP-9C.dgn
faith.jahnke

APPROVED: *Faith E. Jahnke*
DATE: 9/15/2023

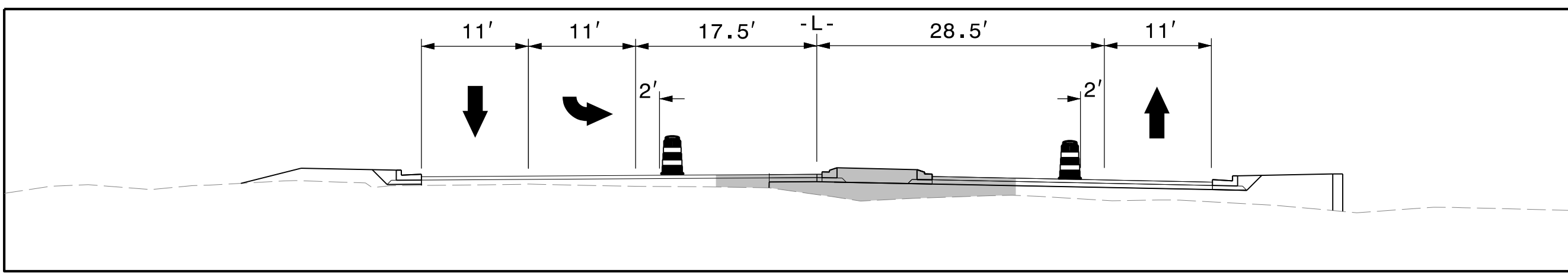
SEAL

DOCUMENT NOT CONSIDERED FINAL
UNLESS ALL SIGNATURES COMPLETED

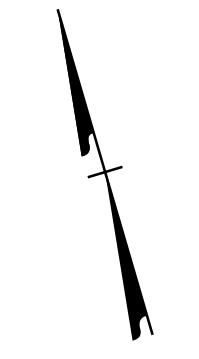


PHASE III
DETAIL

REFERENCE PAVEMENT MARKING PLANS FOR -Y- LINE PAVEMENT MARKING LOCATIONS AND DIMENSIONS NOT OTHERWISE SHOWN.

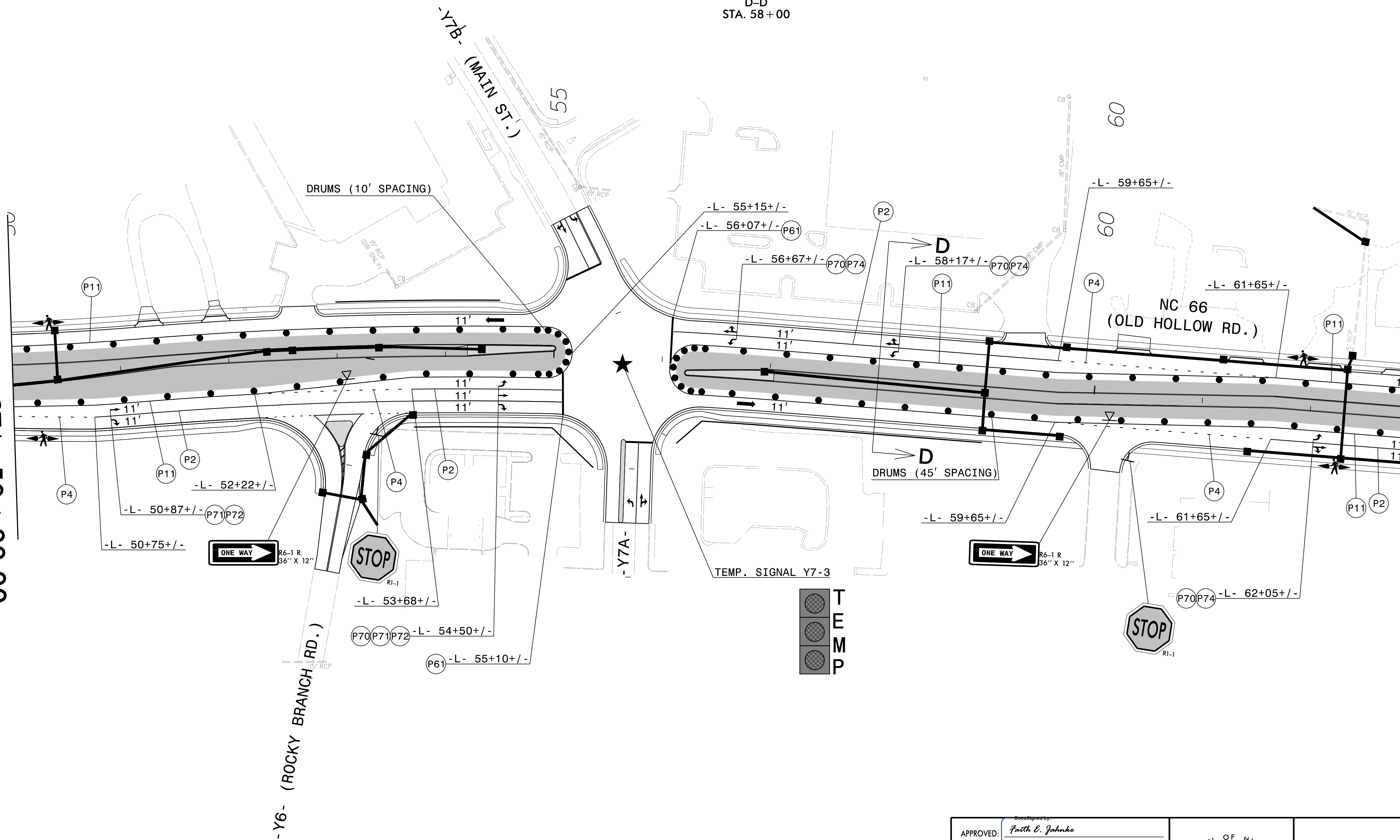


D-D
STA. 58+00



MATCHLINE -L- STA 50+00.00
(SEE TMP-9C)

MATCHLINE -L- STA 63+00.00
(SEE TMP-9E)



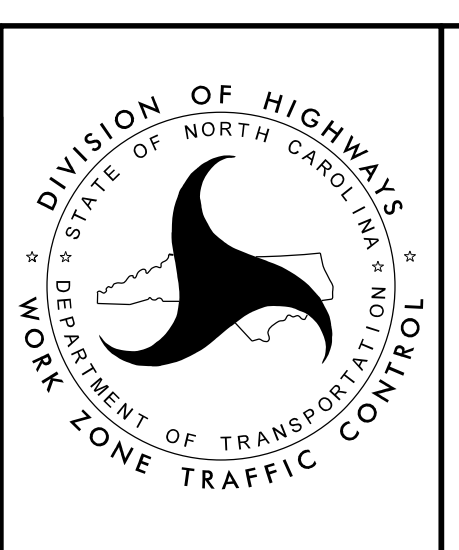
WORK AREA

15-AUG-2023 14:56
U5824-1C-TMP-9D.dgn
faith.jahnke

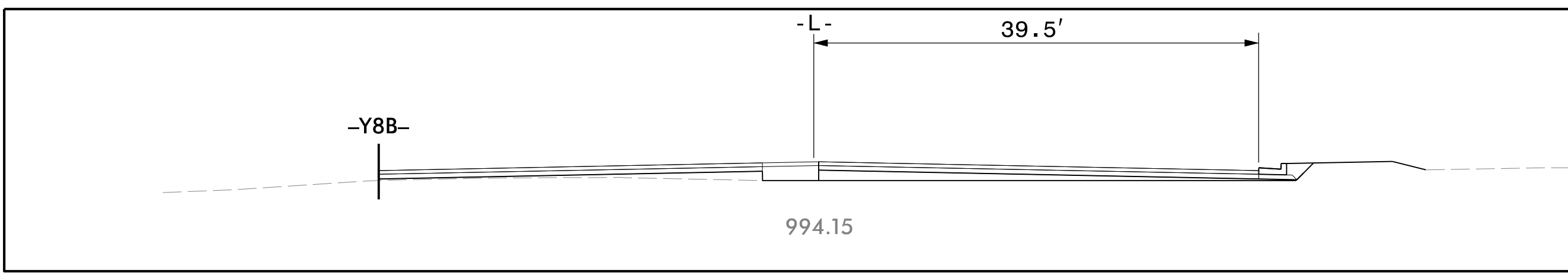
APPROVED: *Faith E. Jahnke*
DATE: 9/15/2023

SEAL

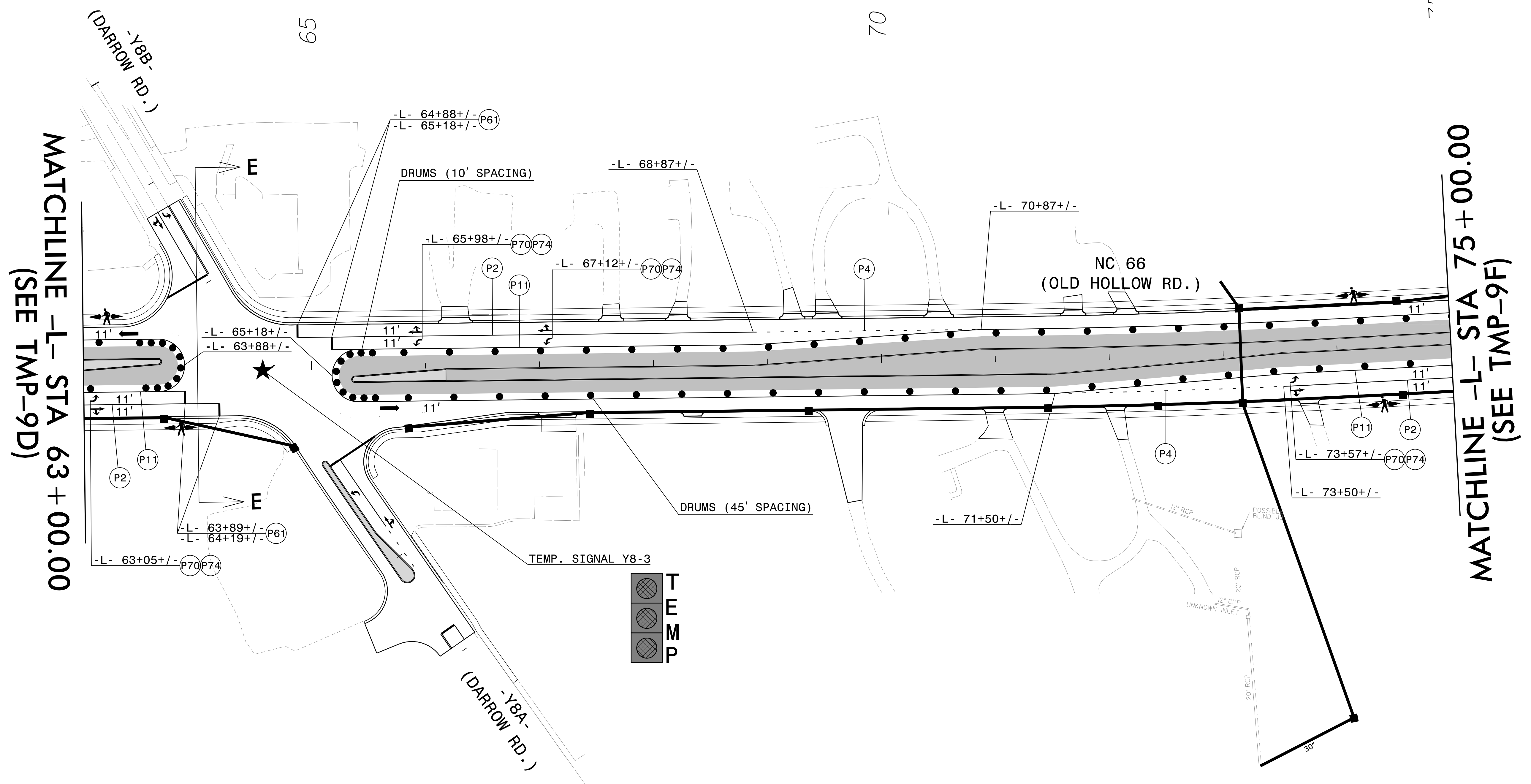
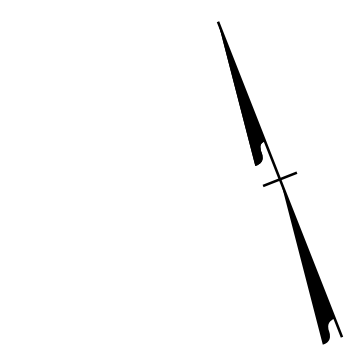
DOCUMENT NOT CONSIDERED FINAL
UNLESS ALL SIGNATURES COMPLETED



PHASE III
DETAIL



E-E
STA. 64+00



MATCHLINE -L- STA 63+00.00
(SEE TMP-9D)

MATCHLINE -L- STA 75+00.00
(SEE TMP-9F)

25-AUG-2023 11:12
U5824-TC-TMP-9E.dgn
Faith.Jahnke

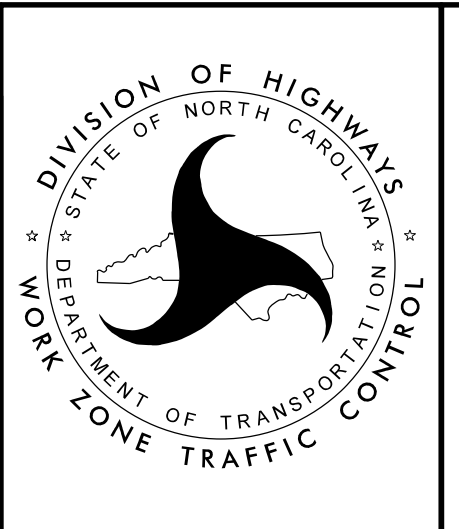
WORK AREA

REFERENCE PAVEMENT MARKING PLANS FOR
-Y- LINE PAVEMENT MARKING LOCATIONS
AND DIMENSIONS NOT OTHERWISE SHOWN.

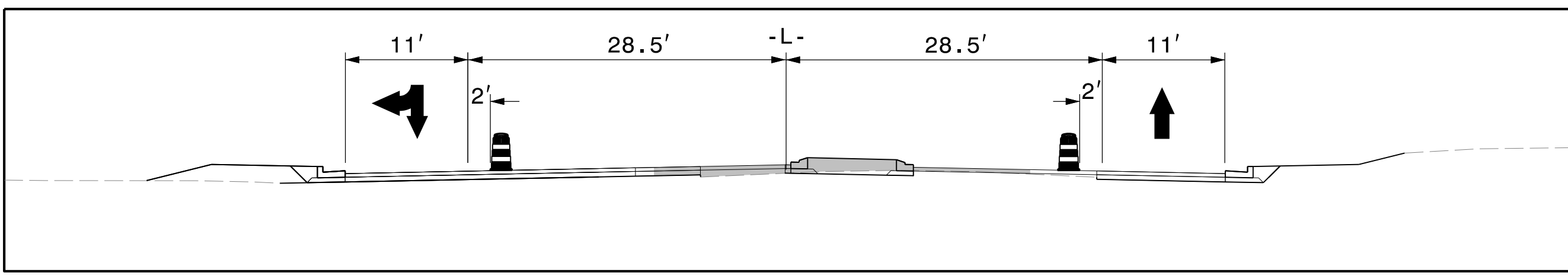
APPROVED: *Faith E. Jahnke*
DATE: 9/15/2023

SEAL

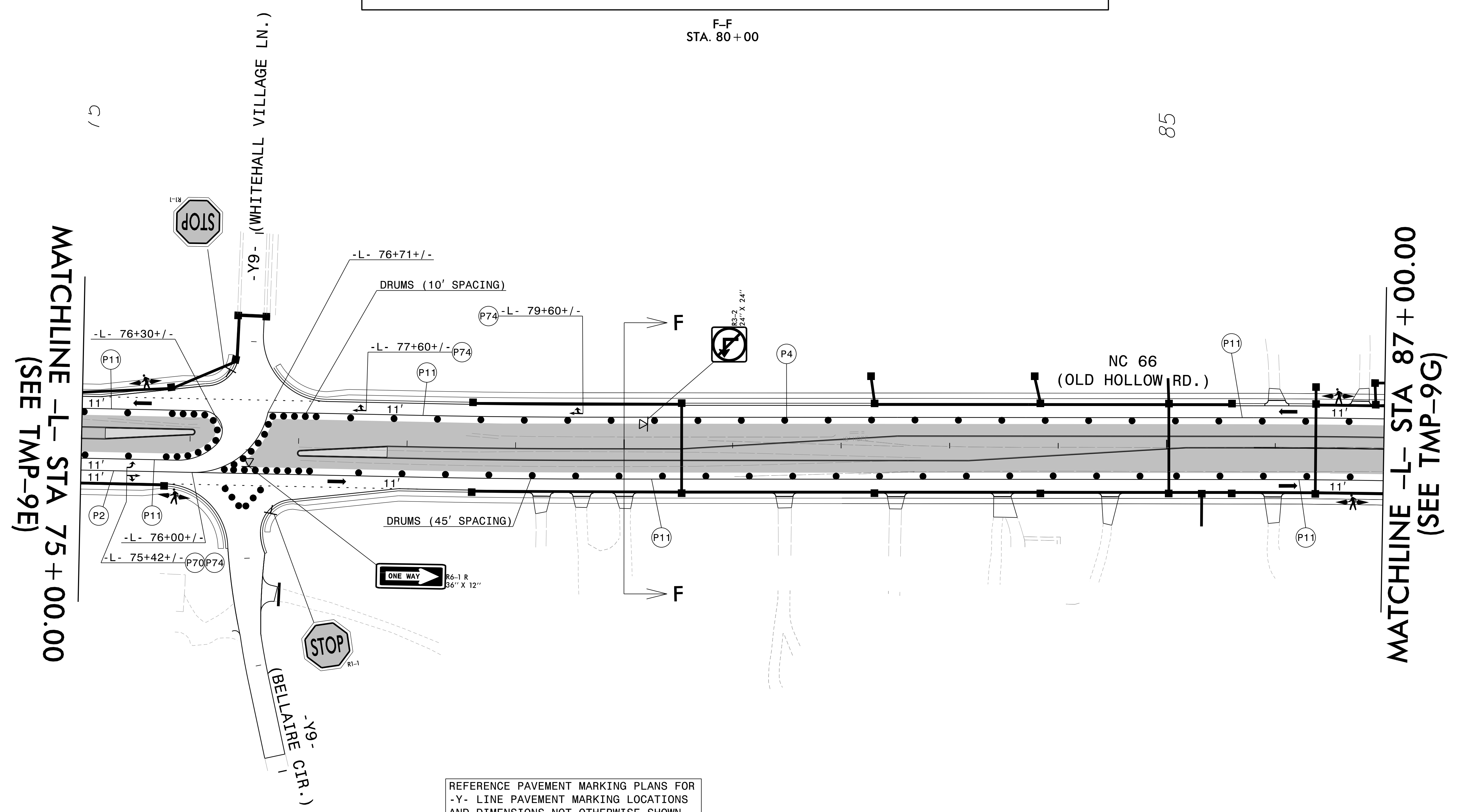
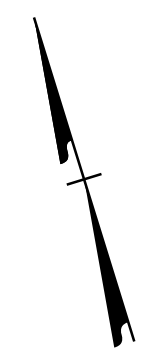
DOCUMENT NOT CONSIDERED FINAL
UNLESS ALL SIGNATURES COMPLETED



PHASE III
DETAIL



F-F
STA. 80+00



MATCHLINE -L- STA 75+00.00
(SEE TMP-9E)

MATCHLINE -L- STA 87+00.00
(SEE TMP-9G)

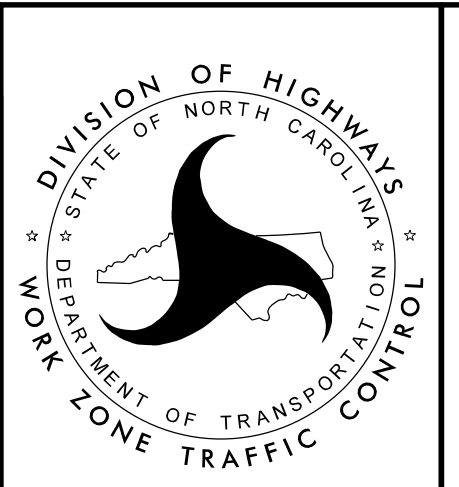
REFERENCE PAVEMENT MARKING PLANS FOR
-Y- LINE PAVEMENT MARKING LOCATIONS
AND DIMENSIONS NOT OTHERWISE SHOWN.

WORK AREA

APPROVED: *Faith E. Jahme*
DATE: 9/15/2023

SEAL

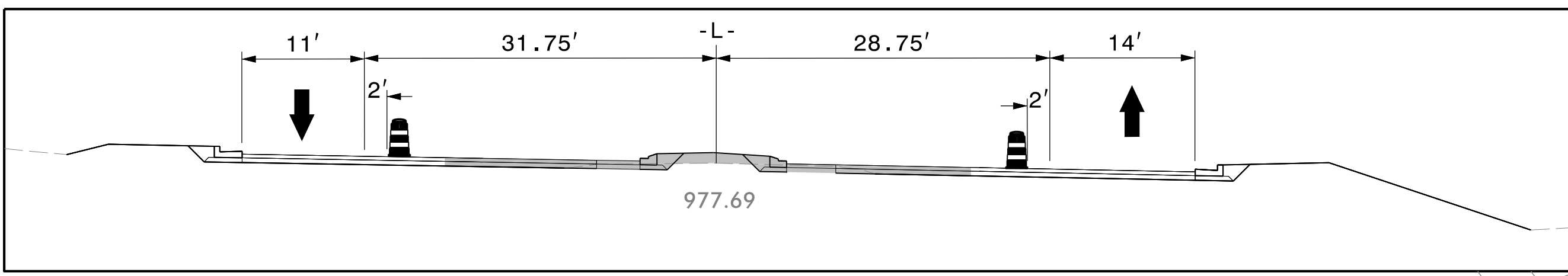
DOCUMENT NOT CONSIDERED FINAL
UNLESS ALL SIGNATURES COMPLETED



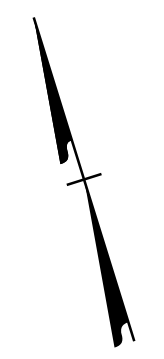
DIVISION OF HIGHWAYS
STATE OF NORTH CAROLINA
DEPARTMENT OF TRANSPORTATION
WORK ZONE TRAFFIC CONTROL

PHASE III
DETAIL

15-AUG-2023 14:56
U5824-1C-TMP-9F.dgn
Faith.Jahme

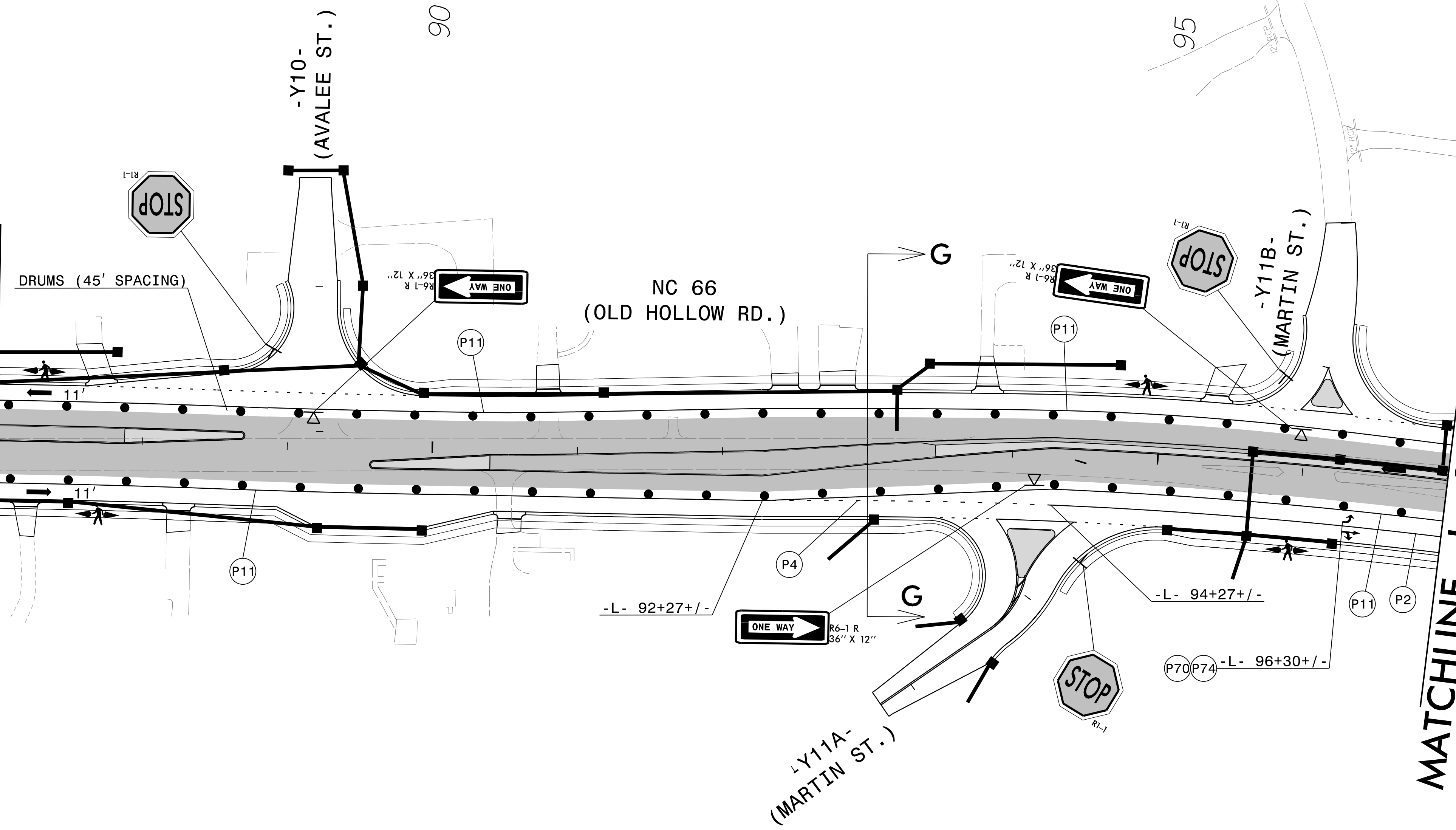


G-G
STA. 93+00



MATCHLINE -L- STA 87 + 00.00
(SEE TMP-9F)

MATCHLINE -L- STA 97 + 00.00
(SEE TMP-9H)

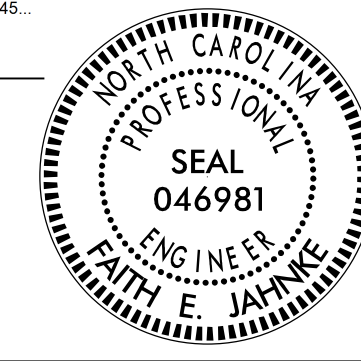


REFERENCE PAVEMENT MARKING PLANS FOR
-Y- LINE PAVEMENT MARKING LOCATIONS
AND DIMENSIONS NOT OTHERWISE SHOWN.

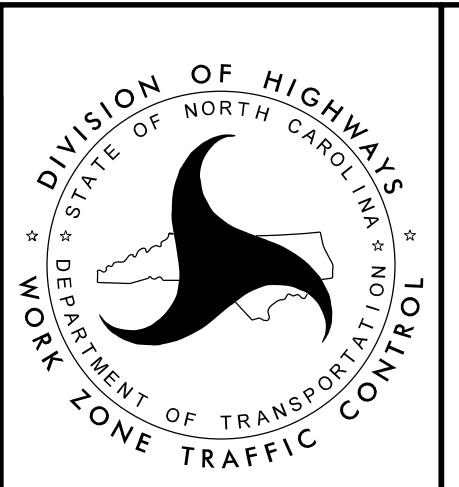
 WORK AREA

APPROVED: *Faith E. Jahnke*
DATE: 9/15/2023

SEAL



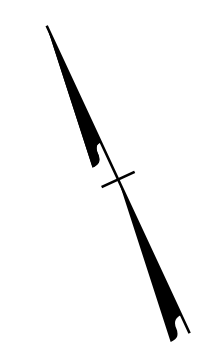
DOCUMENT NOT CONSIDERED FINAL
UNLESS ALL SIGNATURES COMPLETED



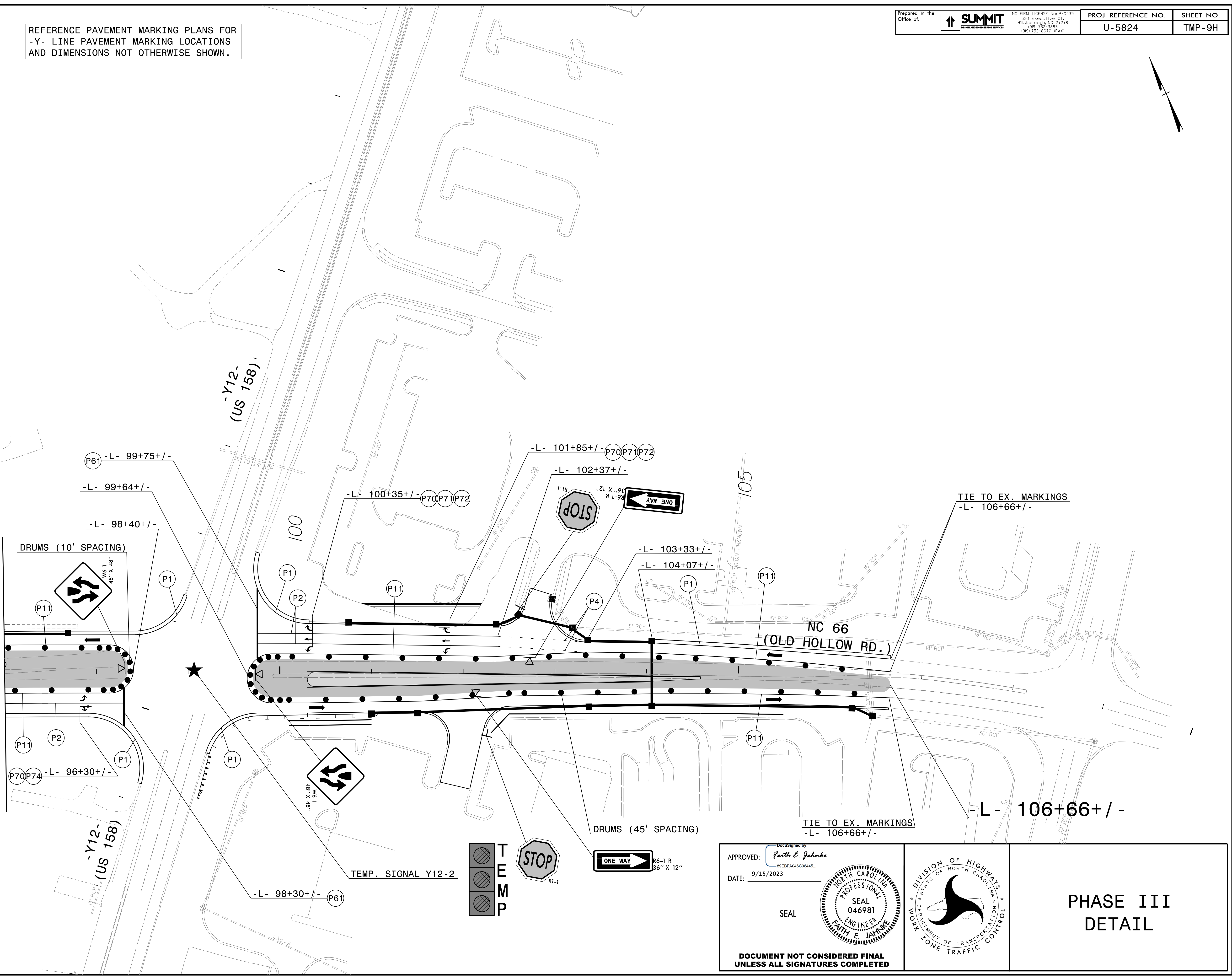
PHASE III
DETAIL

15-AUG-2023 14:56
U5824-1C-TMP-9G.dgn
faith.jahnke

REFERENCE PAVEMENT MARKING PLANS FOR
-Y- LINE PAVEMENT MARKING LOCATIONS
AND DIMENSIONS NOT OTHERWISE SHOWN.



MATCHLINE -L- STA 97+00.00
(SEE TMP-9G)



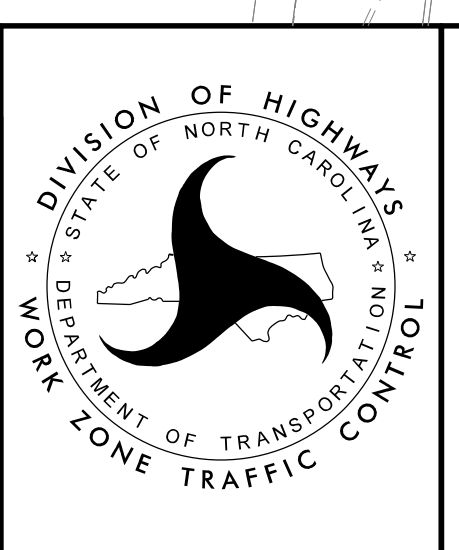
15-AUG-2023 14:56
U5824-1C-TMP-9H.dgn
faith.jahnke

WORK AREA

APPROVED: *Faith E. Jahnke*
08EFAD40C0845...
 DATE: 9/15/2023

SEAL

DOCUMENT NOT CONSIDERED FINAL
UNLESS ALL SIGNATURES COMPLETED



PHASE III
DETAIL

SIGN NUMBER: SD-1
TYPE: D
QUANTITY: 1
SIGN WIDTH: 3'-0"
HEIGHT: 3'-0"
TOTAL AREA: 9.0 Sq.Ft.

BACKG COLOR: Orange
COPY COLOR: Black

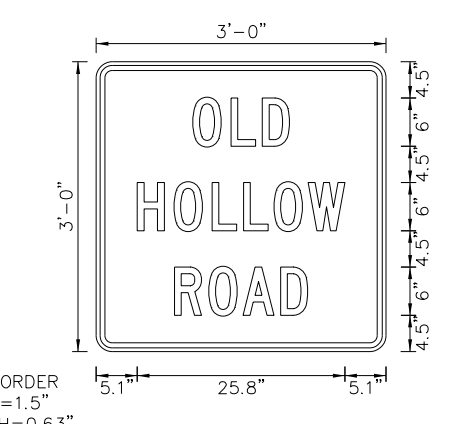
DESIGN BY: FEJ
PROJECT ID: U-5824
CHECKED BY: LOCATION:
DATE: Jun 27, 2023
DIV: DIV

| SYMBOL | X | Y | WID | HT |
|--------|---|---|-----|----|
| | | | | |
| | | | | |
| | | | | |
| | | | | |
| | | | | |

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

MAT'L: 0.063" (1.6 mm) ALUMINUM
0.080" (2.0 mm) ALUMINUM
0.125" (3.2 mm) ALUMINUM

USE NOTES:
1. Legend and border (except those that are colored black) shall be direct applied Grade C sheeting.
2. Background shall be Grade A, B, or C reflective sheeting.
3. Shields; A, B, and C type arrows shall be on 0.032" (0.8mm) aluminum with Grade C reflective sheeting and demountable.
4. Bottom panel shall be yellow Grade C sheeting. Legend shall be direct applied black non-reflective sheeting. Arrow shall be on 0.032" aluminum, black non-reflective sheeting an demountable. Yellow panel is:



LETTER POSITIONS

| Letter spacings are to start of next letter | | | | | | | | | | Series/Size |
|---|-----|-----|-----|-----|-----|-----|-----|--|--|-------------|
| | | | | | | | | | | Text Length |
| | O | L | D | | | | | | | C 2000 |
| 12 | 4.7 | 3.9 | 3.4 | 12 | | | | | | 12 |
| | H | O | L | L | O | W | | | | C 2000 |
| 5.1 | 4.6 | 4.7 | 3.9 | 3.8 | 4.3 | 4.6 | 5.1 | | | 25.8 |
| | R | O | A | D | | | | | | C 2000 |
| 9.7 | 4.3 | 4.3 | 4.7 | 3.4 | 9.7 | | | | | 16.6 |

FILENAME: U-5824_TMP_Sign Designs NORTH CAROLINA D.O.T. SIGN DETAIL

SIGN NUMBER: SD-2
TYPE: D
QUANTITY: 1
SIGN WIDTH: 3'-0"
HEIGHT: 2'-6"
TOTAL AREA: 7.5 Sq.Ft.

BACKG COLOR: Orange
COPY COLOR: Black

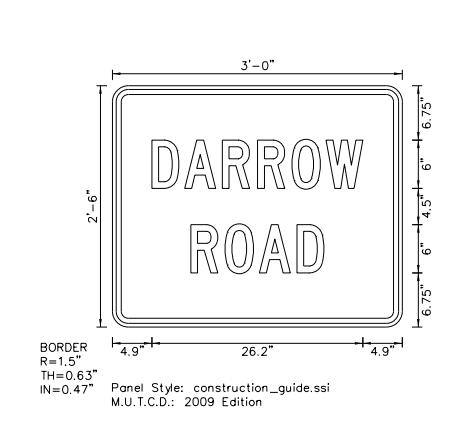
DESIGN BY: FEJ
PROJECT ID: U-5824
CHECKED BY: LOCATION:
DATE: Jun 27, 2023
DIV: DIV

| SYMBOL | X | Y | WID | HT |
|--------|---|---|-----|----|
| | | | | |
| | | | | |
| | | | | |
| | | | | |
| | | | | |

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

MAT'L: 0.063" (1.6 mm) ALUMINUM
0.080" (2.0 mm) ALUMINUM
0.125" (3.2 mm) ALUMINUM

USE NOTES:
1. Legend and border (except those that are colored black) shall be direct applied Grade C sheeting.
2. Background shall be Grade A, B, or C reflective sheeting.
3. Shields; A, B, and C type arrows shall be on 0.032" (0.8mm) aluminum with Grade C reflective sheeting and demountable.
4. Bottom panel shall be yellow Grade C sheeting. Legend shall be direct applied black non-reflective sheeting. Arrow shall be on 0.032" aluminum, black non-reflective sheeting an demountable. Yellow panel is:



LETTER POSITIONS

| Letter spacings are to start of next letter | | | | | | | | | | Series/Size |
|---|-----|-----|-----|-----|-----|-----|-----|--|--|-------------|
| | | | | | | | | | | Text Length |
| | D | A | R | R | O | W | | | | C 2000 |
| 4.9 | 4.1 | 4.7 | 4.4 | 4.3 | 4.3 | 4.6 | 4.9 | | | 26.2 |
| | R | O | A | D | | | | | | C 2000 |
| 9.7 | 4.3 | 4.3 | 4.7 | 3.4 | 9.7 | | | | | 16.6 |

FILENAME: U-5824_TMP_Sign Designs NORTH CAROLINA D.O.T. SIGN DETAIL

SIGN NUMBER: SD-3
TYPE: D
QUANTITY: 1
SIGN WIDTH: 4'-6"
HEIGHT: 3'-0"
TOTAL AREA: 13.5 Sq.Ft.

BACKG COLOR: Orange
COPY COLOR: Black


DESIGN BY: FEJ
PROJECT ID: U-5824
CHECKED BY: LOCATION:
DATE: Jun 27, 2023
DIV: DIV

| SYMBOL | X | Y | WID | HT |
|--------|---|---|-----|----|
| | | | | |
| | | | | |
| | | | | |
| | | | | |
| | | | | |

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

MAT'L: 0.063" (1.6 mm) ALUMINUM
0.080" (2.0 mm) ALUMINUM
0.125" (3.2 mm) ALUMINUM

USE NOTES:
1. Legend and border (except those that are colored black) shall be direct applied Grade C sheeting.
2. Background shall be Grade A, B, or C reflective sheeting.
3. Shields; A, B, and C type arrows shall be on 0.032" (0.8mm) aluminum with Grade C reflective sheeting and demountable.
4. Bottom panel shall be yellow Grade C sheeting. Legend shall be direct applied black non-reflective sheeting. Arrow shall be on 0.032" aluminum, black non-reflective sheeting an demountable. Yellow panel is:



LETTER POSITIONS

| Letter spacings are to start of next letter | | | | | | | | | | Series/Size | |
|---|-----|-----|-----|------|------|-----|-----|-----|-----|-------------|--------|
| | | | | | | | | | | Text Length | |
| | N | E | W | | | | | | | C 2000 | |
| 20.6 | 4.7 | 3.6 | 4.6 | 20.6 | | | | | | 12.8 | |
| | W | A | L | K | E | R | T | O | W | N | C 2000 |
| 5.7 | 4.9 | 4.7 | 3.9 | 4.4 | 4.1 | 3.9 | 3.8 | 4.3 | 5.4 | 5.7 | 42.7 |
| | R | O | A | D | | | | | | C 2000 | |
| 18.7 | 4.3 | 4.3 | 4.7 | 3.4 | 18.7 | | | | | 16.6 | |

FILENAME: U-5824_TMP_Sign Designs NORTH CAROLINA D.O.T. SIGN DETAIL

SIGN NUMBER: SD-4
TYPE: D
QUANTITY: 1
SIGN WIDTH: 3'-0"
HEIGHT: 2'-6"
TOTAL AREA: 7.5 Sq.Ft.

BACKG COLOR: Orange
COPY COLOR: Black

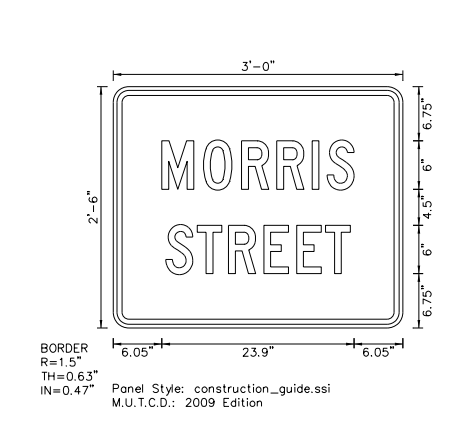
DESIGN BY: none
PROJECT ID: ID
CHECKED BY: LOCATION:
DATE: Jun 27, 2023
DIV: DIV

| SYMBOL | X | Y | WID | HT |
|--------|---|---|-----|----|
| | | | | |
| | | | | |
| | | | | |
| | | | | |
| | | | | |

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

MAT'L: 0.063" (1.6 mm) ALUMINUM
0.080" (2.0 mm) ALUMINUM
0.125" (3.2 mm) ALUMINUM

USE NOTES:
1. Legend and border (except those that are colored black) shall be direct applied Grade C sheeting.
2. Background shall be Grade A, B, or C reflective sheeting.
3. Shields; A, B, and C type arrows shall be on 0.032" (0.8mm) aluminum with Grade C reflective sheeting and demountable.
4. Bottom panel shall be yellow Grade C sheeting. Legend shall be direct applied black non-reflective sheeting. Arrow shall be on 0.032" aluminum, black non-reflective sheeting an demountable. Yellow panel is:



LETTER POSITIONS

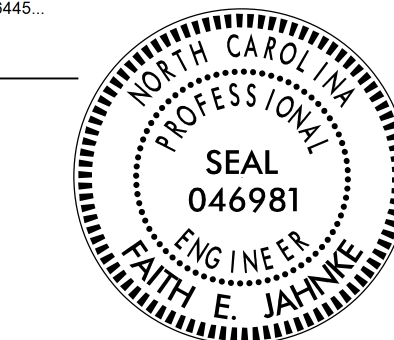
| Letter spacings are to start of next letter | | | | | | | | | | Series/Size |
|---|-----|-----|-----|-----|-----|-----|-----|--|--|-------------|
| | | | | | | | | | | Text Length |
| | M | O | R | R | I | S | | | | C 2000 |
| 6.1 | 5.2 | 4.7 | 4.4 | 4.4 | 1.9 | 3.4 | 6.1 | | | 23.9 |
| | S | T | R | E | E | T | | | | C 2000 |
| 6.5 | 3.9 | 3.9 | 4.4 | 4.1 | 3.6 | 3.1 | 6.5 | | | 22.9 |

FILENAME: U-5824_TMP_Sign Designs NORTH CAROLINA D.O.T. SIGN DETAIL

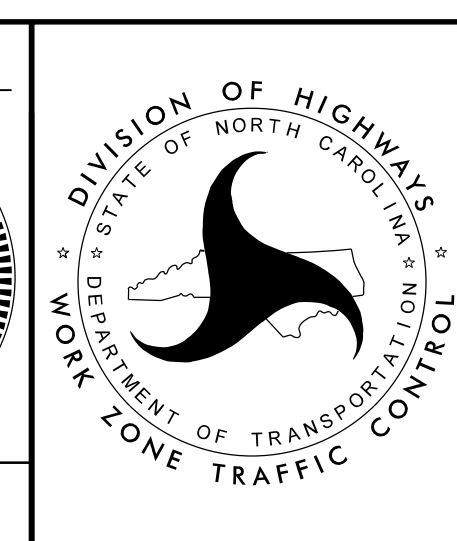
15-AUG-2023 14:56 U-5824_TMP_Sign Designs.dgn Faith.Jahnke

APPROVED: *Faith E. Jahnke*
DATE: 9/15/2023

SEAL



DOCUMENT NOT CONSIDERED FINAL
UNLESS ALL SIGNATURES COMPLETED



SPECIAL SIGN DESIGNS

