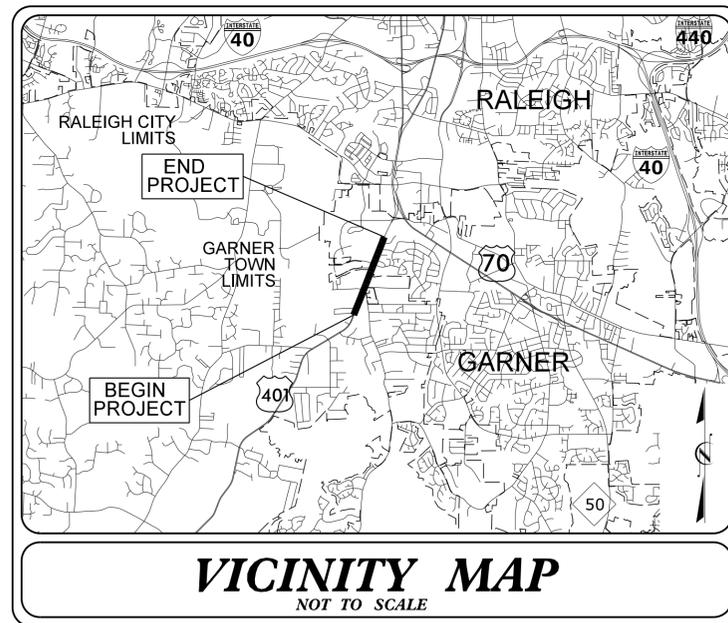


STATE OF NORTH CAROLINA
DIVISION OF HIGHWAYS

TRANSPORTATION MANAGEMENT PLAN

WAKE COUNTY



INDEX OF SHEETS

SHEET NO.	TITLE
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TMP-02	GENERAL NOTES & PROJECT NOTES
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SHEET NO.

TMP-1

U-5302

TIP PROJECT:

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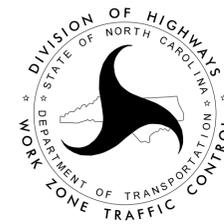
PLANS PREPARED BY:

**JEFFREY KOONTZ, P.E.
PROJECT ENGINEER**

**PATRICK McPHERSON, P.E.
PROJECT DESIGNER**

NCDOT CONTACTS:

**JOHN BRAXTON
PROJECT MANAGER**



Prepared in the Office of:

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APPROVED: 

DATE: 1/8/2026

SEAL



ROADWAY STANDARD DRAWINGS

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

STD. NO.	TITLE
1101.01	WORK ZONE WARNING SIGNS
1101.02	TEMPORARY LANE CLOSURES
1101.03	TEMPORARY ROAD CLOSURES
1101.04	TEMPORARY SHOULDER CLOSURES
1101.11	TRAFFIC CONTROL DESIGN TABLES
1110.01	STATIONARY WORK ZONE SIGNS
1110.02	PORTABLE WORK ZONE SIGNS
1115.01	FLASHING ARROW BOARDS
1130.01	DRUMS
1135.01	CONES
1145.01	BARRICADES
1150.01	FLAGGERS
1165.01	TRUCK MOUNTED ATTENUATOR
1180.01	SKINNY DRUMS
1205.01	PAVEMENT MARKINGS - LINE TYPES AND OFFSETS
1205.02	PAVEMENT MARKINGS - TWO LANE AND MULTILANE ROADWAYS
1205.04	PAVEMENT MARKINGS - INTERSECTIONS
1205.05	PAVEMENT MARKINGS - TURN LANES
1205.06	PAVEMENT MARKINGS - LANE DROPS
1205.08	PAVEMENT MARKINGS - SYMBOLS AND WORD MESSAGES
1205.09	PAVEMENT MARKINGS - PAINTED ISLANDS
1205.15	PAVEMENT MARKINGS - SUPERSTREETS
1250.01	RAISED PAVEMENT MARKERS - INSTALLATION SPACING
1251.01	RAISED PAVEMENT MARKERS - (PERMANENT AND TEMPORARY)

LEGEND

GENERAL

- DIRECTION OF TRAFFIC FLOW
- EXIST. PVMT.
- NORTH ARROW
- PROPOSED PVMT.

- WORK ZONE
- WEDGING & OVERLAY
- PREVIOUS CONSTRUCTION

TEMPORARY PAVEMENT MARKING

PAINT	
P1	WHITE EDGE LINE (4")
P2	WHITE SOLID LANE LINE (4")
P3	10 FT. WHITE SKIP (4")
P4	3'-9' WHITE MINI SKIP (4")
P10	YELLOW EDGE LINE (4")
P13	YELLOW DOUBLE CENTERLINE (4")
P42	YELLOW DIAGONAL (8")
P61	WHITE STOP BAR (24")
P70	LEFT TURN ARROW
P71	RIGHT TURN ARROW
P72	STRAIGHT ARROW
P74	COMB STRAIGHT/RIGHT ARROW
P77	U-TURN ARROW
P100	ALPHANUMERIC CHARACTER

TRAFFIC CONTROL DEVICES

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

TEMPORARY SIGNING

- PORTABLE SIGN
- STATIONARY SIGN
- STATIONARY OR PORTABLE SIGN

SIGNALS

- EXISTING
- PROPOSED
- TEMPORARY

PAVEMENT MARKINGS

- EXISTING LINES
- TEMPORARY LINES

PAVEMENT MARKERS

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

PAVEMENT MARKING SYMBOLS

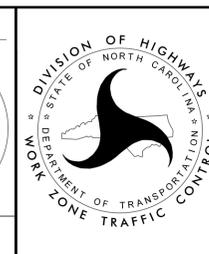
- PAVEMENT MARKING SYMBOLS

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APPROVED: Signed by: Jeff Koontz -SABEFCC02384F...

DATE: 1/8/2026

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ROADWAY STANDARD DRAWINGS & LEGEND

12/24/2025
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 User: jeff.koontz

GENERAL NOTES

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

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

TIME RESTRICTIONS

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

ROAD NAME	DAY AND TIME RESTRICTIONS
US 401 FAYETTEVILLE ROAD	MONDAY-SUNDAY 6:00 AM - 8:00 PM
OLD STAGE ROAD	MONDAY-SUNDAY 6:00 AM - 8:00 PM
PURSER DR	MONDAY-SUNDAY 10:00 AM - 8:00 PM
ANY OTHER ROADS	MONDAY-FRIDAY 6:00 AM - 9:00 AM & 4:00 PM - 8:00 PM

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

ROAD NAME	DAY AND TIME RESTRICTIONS
US 401 FAYETTEVILLE ROAD PURSER DRIVE	
HOLIDAY	
1. FOR ANY UNEXPECTED OCCURRENCE THAT CREATES UNUSUALLY HIGH TRAFFIC VOLUMES, AS DIRECTED BY THE ENGINEER.	
2. FOR THANKSGIVING DAY, BETWEEN THE HOURS OF 6:00 A.M. TUESDAY TO 8:00 P.M. MONDAY.	
3. FOR CHRISTMAS, BETWEEN THE HOURS OF 6:00 A.M. THE FRIDAY BEFORE THE WEEK OF CHRISTMAS DAY AND 8:00 P.M. ON DECEMBER 26.	

C) DO NOT CLOSE ROADS AS FOLLOWS:

ROAD NAME	DAY AND TIME RESTRICTIONS
TRANSPORT DR	MONDAY-SUNDAY 7:00 AM - 7:00 PM

D) DO NOT STOP TRAFFIC AS FOLLOWS:

ROAD NAME	DAY AND TIME RESTRICTIONS	DURATION AND OPERATION
US 401	MON - FRI 6:00 AM - 8:00 PM	15 MIN TRAFFIC OPERATIONS
OLD STAGE RD	MON - FRI 6:00 AM - 8:00 PM	15 MIN TRAFFIC OPERATIONS
PURSER DR	MON - FRI 6:00 AM - 8:00 PM	15 MIN TRAFFIC OPERATIONS
ALL OTHERS	MON - FRI 6:00 AM - 8:00 PM	15 MIN TRAFFIC OPERATIONS

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

ROAD NAME	DAY AND TIME RESTRICTIONS
US 401 FAYETTEVILLE ROAD	MONDAY-FRIDAY 6:00 AM - 9:00 AM & 4:00 PM - 8:00 PM
OLD STAGE ROAD	MONDAY-FRIDAY 6:00 AM - 9:00 AM & 4:00 PM - 8:00 PM

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

ROAD NAME	DAY AND TIME RESTRICTIONS
US 401 FAYETTEVILLE ROAD	MONDAY-FRIDAY 6:00 AM - 9:00 AM & 4:00 PM - 8:00 PM
OLD STAGE ROAD	MONDAY-FRIDAY 6:00 AM - 9:00 AM & 4:00 PM - 8:00 PM

G) DO NOT CONDUCT ANY HAULING OPERATIONS AGAINST THE FLOW OF TRAFFIC OF AN OPEN TRAVELWAY UNLESS THE HAULING OPERATION IS PROTECTED BY BARRIER OR GUARDRAIL OR AS DIRECTED BY THE ENGINEER.

LANE AND SHOULDER CLOSURE REQUIREMENTS

- H) REMOVE LANE CLOSURE DEVICES FROM THE LANE WHEN WORK IS NOT BEING PERFORMED BEHIND THE LANE CLOSURE OR WHEN A LANE CLOSURE IS NO LONGER NEEDED OR AS DIRECTED BY THE ENGINEER.
 - I) WHEN PERSONNEL AND/OR EQUIPMENT ARE WORKING WITHIN 15 FT OF AN OPEN TRAVEL LANE, CLOSE THE NEAREST OPEN SHOULDER USING ROADWAY STANDARD DRAWING NO. 1101.04 UNLESS THE WORK AREA IS PROTECTED BY BARRIER OR GUARDRAIL OR A LANE CLOSURE IS INSTALLED.
 - J) WHEN PERSONNEL AND/OR EQUIPMENT ARE WORKING WITHIN 5 FT OF AN OPEN TRAVEL LANE ON AN UNDIVIDED FACILITY, CLOSE THE NEAREST OPEN TRAVEL LANE USING ROADWAY STANDARD DRAWING NO. 1101.02 UNLESS THE WORK AREA IS PROTECTED BY BARRIER OR GUARDRAIL.
- WHEN PERSONNEL AND/OR EQUIPMENT ARE WORKING WITHIN 10 FT OF AN OPEN TRAVEL LANE ON A DIVIDED FACILITY, CLOSE THE NEAREST OPEN TRAVEL LANE USING ROADWAY STANDARD DRAWING NO. 1101.02 UNLESS THE WORK AREA IS PROTECTED BY BARRIER OR GUARDRAIL.
- K) WHEN PERSONNEL AND/OR EQUIPMENT ARE WORKING WITHIN A LANE OF TRAVEL OF AN UNDIVIDED OR DIVIDED FACILITY, CLOSE THE LANE ACCORDING TO THE TRAFFIC CONTROL PLANS, ROADWAY STANDARD DRAWINGS, OR AS DIRECTED BY THE ENGINEER. CONDUCT THE WORK SO THAT ALL PERSONNEL AND/OR EQUIPMENT REMAIN WITHIN THE CLOSED TRAVEL LANE.
 - L) DO NOT WORK SIMULTANEOUSLY WITHIN 15 FT ON BOTH SIDES OF AN OPEN TRAVELWAY, RAMP, OR LOOP WITHIN THE SAME LOCATION UNLESS PROTECTED WITH GUARDRAIL OR BARRIER.
 - M) DO NOT INSTALL MORE THAN 3000 FT OF LANE CLOSURE ON US 401 FAYETTEVILLE STREET MEASURED FROM THE BEGINNING OF THE MERGE TAPER TO THE END OF THE LANE CLOSURE.
 - N) DO NOT INSTALL MORE THAN ONE LANE CLOSURE IN ANY ONE DIRECTION ON US 401 FAYETTEVILLE STREET.

PAVEMENT EDGE DROP OFF REQUIREMENTS

- O) BACKFILL AT A 6:1 SLOPE UP TO THE EDGE AND ELEVATION OF EXISTING PAVEMENT IN AREAS ADJACENT TO AN OPENED TRAVEL LANE THAT HAS AN EDGE OF PAVEMENT DROP-OFF AS FOLLOWS:
 - BACKFILL DROP-OFFS THAT EXCEED 2 INCHES ON ROADWAYS WITH POSTED SPEED LIMITS OF 45 MPH OR GREATER.
 - BACKFILL DROP-OFFS THAT EXCEED 3 INCHES ON ROADWAYS WITH POSTED SPEED LIMITS LESS THAN 45 MPH.
 - BACKFILL WITH SUITABLE COMPACTED MATERIAL, AS APPROVED BY THE ENGINEER, AT NO EXPENSE TO THE DEPARTMENT.
- P) 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

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

SIGNING

- R) INSTALL ADVANCE WORK ZONE WARNING SIGNS WHEN WORK IS WITHIN 40 FT FROM THE EDGE OF TRAVEL LANE AND NO MORE THAN THREE (3) DAYS PRIOR TO THE BEGINNING OF CONSTRUCTION.
- S) ENSURE ALL NECESSARY SIGNING IS IN PLACE PRIOR TO ALTERING ANY TRAFFIC PATTERN.
- T) INSTALL BLACK ON ORANGE "DIP" SIGNS (W8-2) AND/OR "BUMP" SIGNS (W8-1) 350 FT IN ADVANCE OF THE UNEVEN AREA, OR AS DIRECTED BY THE ENGINEER.

TRAFFIC CONTROL DEVICES

- U) WHEN LANE CLOSURES ARE NOT IN EFFECT SPACE CHANNELIZING DEVICES IN WORK AREAS NO GREATER IN FEET THAN TWICE THE POSTED SPEED LIMIT (MPH) EXCEPT, 10 FT ON-CENTER IN RADII, AND 3 FT OFF THE EDGE OF AN OPEN TRAVELWAY. REFER TO STANDARD SPECIFICATIONS FOR ROADS AND STRUCTURES SECTIONS 1130 (DRUMS), 1135 (CONES) AND 1180 (SKINNY DRUMS) FOR ADDITIONAL REQUIREMENTS.

- V) PLACE TYPE III BARRICADES, WITH "ROAD CLOSED" SIGN R11-2 ATTACHED, OF SUFFICIENT LENGTH TO CLOSE ENTIRE ROADWAY.
- W) PLACE ADDITIONAL SETS OF THREE CHANNELIZING DEVICES PERPENDICULAR TO THE EDGE OF TRAVELWAY ON 500 FT CENTERS WHEN UNOPENED LANES ARE CLOSED TO TRAFFIC.

PAVEMENT MARKINGS AND MARKERS

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

ROAD NAME	MARKING	MARKER
US 401 FAYETTEVILLE ST	PAINT	TEMPORARY RAISED
OLD STAGE ROAD	PAINT	TEMPORARY RAISED
ALL OTHERS	PAINT	NONE

- Y) 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.
- Z) TIE PROPOSED PAVEMENT MARKING LINES TO EXISTING PAVEMENT MARKING LINES.
- AA) REMOVE/REPLACE ANY CONFLICTING/DAMAGED PAVEMENT MARKINGS AND MARKERS BY THE END OF EACH DAY'S OPERATION.

MISCELLANEOUS

- BB) LAW ENFORCEMENT MAY BE USED TO MAINTAIN TRAFFIC THROUGH THE WORK AREA AND/OR INTERSECTIONS AS DIRECTED BY THE ENGINEER.
- CC) IN THE EVENT A TIE-IN CANNOT BE MADE IN ONE DAY'S TIME, BRING THE TIE-IN AREA TO AN APPROPRIATE ROADWAY ELEVATION AS DETERMINED BY THE ENGINEER. PLACE BLACK ON ORANGE "LOOSE GRAVEL" SIGNS (W8-7) AND BLACK ON ORANGE "PAVEMENT ENDS" SIGNS (W8-3) 200 AND 400 RESPECTIVELY IN ADVANCE OF THE UNEVEN AREAS. USE DRUMS TO DELINEATE THE EDGE OF ROADWAY ALONG UNPAVED AREAS.
- DD) ALL CURB RAMP LOCATIONS SHALL BE DERIVED FROM STATIONING SHOWN ON PAVEMENT MARKING PLANS OR AS DIRECTED BY THE ENGINEER IN COORDINATION WITH THE SIGNING AND DELINEATION UNIT.

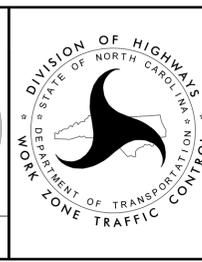
MANAGEMENT STRATEGY

- 1. PRIOR TO BEGINNING CONSTRUCTION, VERIFY WITH ENGINEER THE UTILITY WORK IS COMPLETED. IF UTILITY RELOCATION WORK HAS NOT BEEN COMPLETED AT THE START OF THE PROJECT,
- 2. CONSTRUCTION SHALL BEGIN AT THE SOUTHERN END OF THE PROJECT AND PROGRESS NORTHWARD.

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APPROVED: *Jeff Beatty*
 DATE: 1/8/2026

Signed by:
 JEFFREY A. KOONTZ
 PROFESSIONAL ENGINEER
 SEAL 018122
 NORTH CAROLINA
 PROFESSIONAL ENGINEERS



GENERAL & PROJECT NOTES

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PHASE I

STEP 1) PRIOR TO ANY CONSTRUCTION ACTIVITY, INSTALL WORK ZONE ADVANCE WARNING SIGNS ON ALL ROADS INVOLVED (US 401 FAYETTEVILLE ST, OLD STAGE ROAD, GROVEMONT ROAD, FARM ROAD, MAXWELL DRIVE, KITCHEN DRIVE, PURSER DRIVE, PINEWINDS DR, SMALL PINE DRIVE, TRADE STREET, WINTERLOCHEN ROAD, ANNARON COURT, AND MAJOR SHOPPING CENTER DRIVEWAYS ACCORDING TO THE ROADWAY STANDARD DRAWINGS.

STEP 2) WORK AWAY FROM TRAFFIC OR USE RSD 1101.02 (SHEET 3 OF 19) FOR TEMPORARY OUTSIDE TRAVEL LANE CLOSURE TO CONSTRUCT -L- (FAYETTEVILLE ST US 401) UP TO EDGE AND ELEVATION OF EXISTING TRAVEL LANE, AND DRAINAGE, ACCORDING TO THE FOLLOWING STATIONS (SEE DETAILS ON TMP-04 THRU TMP-12 AND SECTION DETAILS ON TMP-13 THRU TMP-17)

-L- STA. 35+50+/- TO STA. 100+43+/-

USE RSD 1101.02 (SHEET 1 OF 19) AND FLAGGERS FOR TEMPORARY LANE CLOSURES TO CONSTRUCT -Y2- (FARM RD), -Y3- (OLD STAGE COACH RD), -Y3A- (GROVEMONT RD), -Y4- (MAXWELL DR), -Y5- (PURSER DR), -Y6- (PINEWINDS DR), -Y7- (SMALL PINE DR), -Y8- (TRADE ST), -DR1-, -Y9- DRAINAGE (WINTERLOCHEN DR), UP TO BUT NOT INCLUDING THE FINAL LAYER OF SURFACE COURSE ACCORDING TO THE FOLLOWING STATIONS (SEE DETAILS ON TMP-06 THRU TMP-09 AND TMP-12)

-Y2- STA. 10+02+/- TO STA. 11+46+/-
 -Y3- STA. 10+55+/- TO STA. 23+50+/-
 -Y3A- STA. 10+46+/- TO STA. 13+48+/-
 -Y4- STA. 10+59+/- TO STA. 11+47+/-
 -Y5- STA. 10+60+/- TO STA. 12+63+/-
 -Y6- STA. 10+54+/- TO STA. 12+30+/-
 -Y7- STA. 10+62 +/- TO STA. 11+30+/-
 -Y8- STA. 10+59+/- TO STA. 11+70+/-
 -DR1- STA. 10+30+/- TO STA. 11+18+/-
 -Y9- STA. 10+88+/- DRAINAGE

PLACE DRUMS ALONG SHOULDER AND OPEN TWO LANES TO TRAFFIC WHEN THERE ARE NO CONSTRUCTION ACTIVITIES (SEE DETAILS ON TMP-05 THRU TMP-11).

USE RSD 1101.02 (SHEETS 1 AND 3 OF 19) AND FLAGGERS FOR ALTERNATING TRAFFIC IN ONE LANE TO CONSTRUCT DRAINAGE CROSSINGS ON -L- (FAYETTEVILLE ST), -Y2- (FARM ROAD), -Y3- (OLD STAGE ROAD), -Y5- (PURSER RD), -Y9- (WINTERLOCHEN RD), ANNARON CT, AND SHOPPING CENTER DRIVE. (SEE LOCATIONS ON TMP-06 THRU TMP-10, TMP-12, AND DETAILS IN ROADWAY PLANS).

USE RSD 1101.02 (SHEETS 1 AND 3 OF 19) AND FLAGGERS AS NEEDED FOR LANE CLOSURES TO INSTALL AND COVER TEMPORARY SIGNALS AT THE FOLLOWING US 401 (-L-) INTERSECTIONS. SEE LOCATIONS ON TMP-06 THRU TMP-08 AND TMP-10, AND SIGNAL PLANS FOR DETAILS.

OLD STAGE RD / FARM RD (SIGNAL 05-0583 TEMP #1),
 PURSER DR / PINWOOD DR (SIGNAL 05-1174 TEMP #1),
 ANNARON CT (SIGNAL 05-1714 TEMP #1).

MAINTAIN TRAFFIC IN ORIGINAL PATTERN THROUGH THE EXISTING SIGNALIZED INTERSECTIONS AND UNCOVER AND ACTIVATE THE TEMP SIGNAL AS NEEDED.

USE RSD 1205.01 AND 1205.02 AND PLACE TEMPORARY PAVEMENT MARKING (PAINT) FOR WHITE EDGE LINE TO MAINTAIN EXISTING

OUTSIDE LANE WIDTH AT LOCATIONS WHERE EXISTING CURB & GUTTER IS REMOVED (SEE TMP-19 THRU TMP-20A).

WHEN WORKING AT SIGNALIZED INTERSECTIONS, SET THE SIGNAL TO FLASHING PRIOR TO CLOSING A LANE AND USE LAW ENFORCEMENT TO DIRECT Y-LINE TRAFFIC THROUGH THE INTERSECTION OR AS DIRECTED BY THE ENGINEER. RESET SIGNAL BACK TO TEMP #1 PHASING AT THE END OF EACH NIGHT ONCE OUTSIDE LANE IS OPENED TO TRAFFIC.

STEP 3) USING RSD 1101.03 (SHEET 1 AND 2 OF 9) AND TMP-12A, INSTALL AND COVER SIGNS FOR ROAD CLOSURE AND OFF-SITE DETOUR FOR WINTERLOCHEN DR AND PLACE CMS FOR ADVANCE NOTIFICATION (SEE TMP-09).

Note:

COMPLETE THE FOLLOWING WORK OF PHASE I, STEPS 4 THROUGH 6 FOR -Y9- IN FOURTEEN (14) CONSECUTIVE CALENDAR DAYS.

STEP 4) UNCOVER DETOUR SIGNS, RELOCATE CMS TO FAYETTEVILLE RD INTERSECTION AT PINEWINDS DR, PLACE BARRICADES TO CLOSE WINTERLOCHEN DR, AND SHIFT WINTERLOCHEN DR TRAFFIC INTO TEMPORARY DETOUR.

STEP 5) WORKING AWAY FROM TRAFFIC IN A CONTINUOUS MANNER, CONSTRUCT -Y9- UP TO BUT NOT INCLUDING THE FINAL LAYER OF SURFACE COURSE ACCORDING TO THE FOLLOWING STATIONS (SEE DETAILS ON TMP-12A)

-Y9- STA. 10+50+/- TO STA. 11+70+/-

AND PLACE TEMPORARY PAVEMENT MARKING (PAINT) ON -Y9- (SEE DETAIL ON TMP-24)

STEP 6) REMOVE BARRICADES, ROAD CLOSURE SIGNS, DETOUR SIGNS, AND CMS AND OPEN WINTERLOCHEN DRIVE TO TRAFFIC.

STEP 7) CONTINUE CONSTRUCTION OF -L- FROM STEP 2.

PHASE II

STEP 1) USE RSD 1101.02 (SHEET 3 OF 19) FOR TEMPORARY CLOSURE OF INSIDE TRAVEL LANE. CONSTRUCT -L- (FAYETTEVILLE ST US 401) IN THE EXISTING MEDIANS, UP TO EDGE AND ELEVATION OF EXISTING TRAVEL LANE ACCORDING TO THE FOLLOWING STATIONS (SEE DETAILS ON TMP-18 THRU TMP-19):

-L- STA. 37+93+/- TO STA. 42+97+/-
 -L- STA. 43+46+/- TO STA. 50+86+/-
 -L- STA. 52+53+/- TO STA. 54+48+/-
 -L- STA. 54+99+/- TO STA. 56+37+/-
 -L- STA. 54+74+/- TO STA. 59+75+/-
 -L- STA. 60+20+/- TO STA. 64+32+/-

AS MEDIAN ISLAND CONSTRUCTION PROGRESSES, USE RSD 1205.01 AND 1205.02 AND PLACE TEMPORARY PAVEMENT MARKING (PAINT)

AND DRUMS TO ESTABLISH PAINTED ISLANDS WHERE EXISTING ISLANDS WERE PAVED.

STEP 2) USE LAW ENFORCEMENT AND/OR RSD 1101.02 (SHEET 1 OF 19) AND FLAGGERS TO TEMPORARILY STOP AND DIRECT TRAFFIC, INSTALL AND COVER PROPOSED SIGNALS IN TEMPORARY OR FINAL PATTERN AT THE FOLLOWING INTERSECTIONS (SEE TMP-18 THRU TMP-20):

NB U-TURN AT -L- STA. 40+50+/- (SIGNAL 05-1783, FINAL, COVER)
 SB U-TURN AT -L- STA. 61+00+/- (SIGNAL 05-1785, FINAL, COVER)
 NB U-TURN AT -L- STA. 61+50+/- (SIGNAL 05-1811, FINAL, COVER)
 SB U-TURN AT -L- STA. 82+00+/- (SIGNAL 05-1813 FINAL, COVER)
 OLD STAGE ROAD AT GROVEMONT RD AT -Y3- STA 20+00+/- (SIGNAL 05-0602, FINAL, COVER)

STEP 3) USE RSD 1101.02 (SHEETS 1, 2, 3, 7, AND 12 OF 19) AND FLAGGERS FOR TEMPORARY LANE CLOSURES AND PLACE WEDGING AND OVERLAY ON EXISTING AND PROPOSED PAVEMENT OF -L- (FAYETTEVILLE ST US 401) UP TO, BUT NOT INCLUDING THE FINAL LAYER OF SURFACE COURSE, ACCORDING TO THE FOLLOWING STATIONS (SEE DETAILS ON TMP-18 THRU TMP-20)

-L- STA. 35+50+/- TO STA. 97+20+/-
 -Y2- STA. 10+02+/- TO STA. 11+20+/-
 -Y3- STA. 10+55+/- TO STA. 23+50+/-
 -Y3A- STA. 10+46+/- TO STA. 13+90+/-
 -Y4- STA. 10+61+/- TO STA. 11+46+/-
 -Y5- STA. 10+60+/- TO STA. 12+63+/-
 -Y6- STA. 10+64+/- TO STA. 12+30+/-
 -Y7- STA. 10+62+/- TO STA. 11+30+/-
 -Y8- STA. 10+59+/- TO STA. 11+70+/-
 -DR1- STA. 10+30+/- TO STA. 11+18+/-
 -Y9- STA. 10+39+/- TO STA. 11+70+/-

AS TRAVEL LANES ARE WEDGED, REPLACE PAVEMENT MARKINGS IN EXISTING PATTERN.

STEP 4) AFTER THE FIRST LAYER OF SURFACE COURSE IS PLACED, USE RSD 1205.01, 1205.02, 1205.04, 1205.05, 1205.08, 1250.01, 1251.01 AND PLACE TEMPORARY PAVEMENT MARKING (PAINT) AND MARKERS (TEMPORARY RAISED) FOR TEMPORARY TWO-LANE TRAFFIC PATTERN TO THE OUTSIDE OF THE WIDENING ACCORDING TO THE STATIONS LISTED IN STEP 3 (SEE DETAILS ON TMP-21 THRU TMP-27) AND SHIFT TRAFFIC TO NEW TEMPORARY TWO-LANE PATTERN.

PLACE TEMPORARY PAVEMENT MARKING AS NEEDED TO TRANSITION THE TRAVEL LANES BETWEEN EXISTING AND NEW PATTERN IF MULTIPLE DAYS OF PLACING THE SURFACE COURSE ARE NEEDED.

AS PAVEMENT AND MARKINGS PROGRESS ALONG THE PROJECT, USE FLAGGERS AND LAW ENFORCEMENT TO MAINTAIN TRAFFIC THROUGH THE EXISTING SIGNALIZED INTERSECTIONS AND MODIFY AND ACTIVATE TEMPORARY SIGNALS AT THE FOLLOWING US 401 (-L-) INTERSECTIONS: (SEE LOCATIONS ON TMP-22, TMP-23 AND TMP-25)

OLD STAGE RD / FARM RD (SIGNAL 05-0583 TEMP #2),
 PURSER DR / PINWOOD DR (SIGNAL 05-1174 TEMP #2),
 ANNARON CT (SIGNAL 05-1714 TEMP #2).

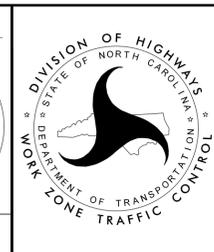
PLACE BARRICADES TO CLOSE OFF MEDIAN OPENINGS AWAY FROM THE SIGNALIZED INTERSECTIONS (SEE TMP-21 THRU TMP-25).

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PROJECT PHASING

PROJ. REFERENCE NO.	SHEET NO.
U-5302	TMP-03A

PHASE III

STEP 1) WORK AWAY FROM TRAFFIC OR USE RSD 1101.02 (SHEET 1 OR 3 OF 19) AND FLAGGERS AS NEEDED FOR TEMPORARY LANE CLOSURES TO CONSTRUCT THE MEDIAN AND MEDIAN ISLAND ALONG -L- (FAYETTEVILLE ST US 401) ACCORDING TO THE FOLLOWING STATIONS (SEE DETAILS ON TMP-21 THRU TMP-27):

- L- STA. 38+17+/- TO STA. 47+09+/-
- L- STA. 55+80+/- TO STA. 69+68+/-
- L- STA. 73+70+/- TO STA. 96+80+/-

USE RSD 1101.02 (SHEET 3 OF 19) AND FLAGGERS FOR TEMPORARY LANE CLOSURES TO CONSTRUCT DRAINAGE CROSSINGS ON -L- (FAYETTEVILLE ST).

MAINTAIN EXISTING TRAFFIC ON THE OUTSIDE LANES OF US 401, ALLOWING U-TURNS TO BE MADE AT THE SIGNALIZED INTERSECTIONS.

STEP 2) USE RSD 1101.02 (SHEET 3 OF 19) FOR TEMPORARY LANE CLOSURES, AND RSD 1205.01, 1205.02, 1205.04, 1205.05, 1205.08, 1250.01, 1251.01 FOR TEMPORARY PAVEMENT MARKING (PAINT) AND MARKERS (TEMPORARY RAISED) AND PLACE TEMPORARY PAVEMENT MARKING (PAINT) AT MEDIAN LOCATIONS SHOWN IN THE DETAIL BETWEEN THE FOLLOWING STATIONS (SEE DETAILS ON TMP-21 THRU TMP-25)

- L- STA. 30+50+/- TO STA. 98+39+/-
- Y3- STA. 10+62+/- TO STA. 23+50+/-
- Y3A- STA. 10+48+/- TO STA. 13+90+/-

PLACE BARRICADES AND DRUMS AS NEEDED TO CLOSE OFF COMPLETED MEDIAN TURN LANES ON US 401 UNTIL TRAFFIC IS READY TO BE SHIFTED IN THE NEXT PHASE.

UNCOVER AND ACTIVATE SIGNAL 05-0602 AT THE OLD STAGE RD / GROVEMONT RD INTERSECTION.

PHASE IV

STEP 1) USE RSD 1101.02 (SHEETS 1 AND 3 OF 19) AND FLAGGERS AS NEEDED FOR LANE CLOSURES TO MODIFY TEMPORARY SIGNALS AT THE FOLLOWING US 401 (-L-) INTERSECTIONS:

- OLD STAGE RD / FARM RD (SIGNAL 05-0583 TEMP #3 AND SIGNAL 05-1784 TEMP #1)
- PURSER DR / PINWOOD DR (SIGNAL 05-1174 TEMP #3 AND SIGNAL 05-1812 TEMP #1)

UNCOVER AND ACTIVATE SIGNALS AT U-TURN LOCATIONS ALONG US 401 (SIGNAL 05-1783, SIGNAL 05-1785, SIGNAL 05-1811, AND SIGNAL 05-1813)

PLACE BARRICADES AND DRUMS TO CLOSE THE LEFT TURN LANES AND MEDIANS AT THE SIGNALIZED INTERSECTIONS AND SHIFT TRAFFIC TO NEW PATTERN, ALLOWING U-TURNS TO OCCUR ALONG US 401 AWAY FROM THE INTERSECTIONS.

STEP 2) WORK AWAY FROM TRAFFIC OR USE RSD 1101.02 (SHEET 3 OF 19) FOR TEMPORARY LANE CLOSURES TO CONSTRUCT THE MEDIAN OF -L- (FAYETTEVILLE ST US 401), UP TO BUT NOT INCLUDING THE FINAL LAYER OF SURFACE COURSE ACCORDING TO THE FOLLOWING STATIONS (SEE DETAILS ON TMP-28 THRU TMP-32)

- L- STA. 47+08+/- TO STA. 55+80+/-
- L- STA. 67+25+/- TO STA. 73+70+/-

USE RSD 1101.02 (SHEET 3 OF 19) AND FLAGGERS FOR TEMPORARY LANE CLOSURES TO CONSTRUCT DRAINAGE CROSSINGS ON -L- (FAYETTEVILLE ST).

PHASE V

STEP 1) USE RSD 1101.02 (SHEETS 1, 2, 3, 7 AND 15) AND FLAGGERS FOR TEMPORARY LANE CLOSURES TO PLACE THE FINAL LAYER OF SURFACE COURSE AND USE RSD 1205.01, 1205.02, 1205.04, 1205.05, 1205.08, 1250.01, 1251.01 TO PLACE PERMANENT PAVEMENT MARKING (THERMOPLASTIC) AND MARKERS IN FINAL PATTERN ACCORDING TO THE PAVEMENT MARKING PLAN FOR -L- LINES, -Y-LINES, AND DRIVEWAYS ACCORDING TO THE FOLLOWING STATIONS:

- L- STA. 35+50+/- TO STA. 100+30+/-
- Y2- STA. 10+02+/- TO STA. 11+46+/-
- Y3- STA. 10+54+/- TO STA. 23+50+/-
- Y3A- STA. 10+24+/- TO STA. 13+90+/-
- Y4- STA. 10+84+/- TO STA. 13+90+/-
- Y5- STA. 9+34+/- TO STA. 12+52+/-
- Y6- STA. 10+53+/- TO STA. 12+30+/-
- Y7- STA. 10+53+/- TO STA. 11+32+/-
- Y8- STA. 10+53+/- TO STA. 11+70+/-
- DR1- STA. 10+30+/- TO STA. 11+84+/-
- Y9- STA. 10+24+/- TO STA. 11+70+/-

REMOVE ALL DEVICES AND OPEN PROJECT FULLY TO TRAFFIC.

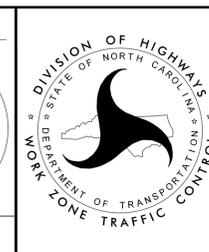
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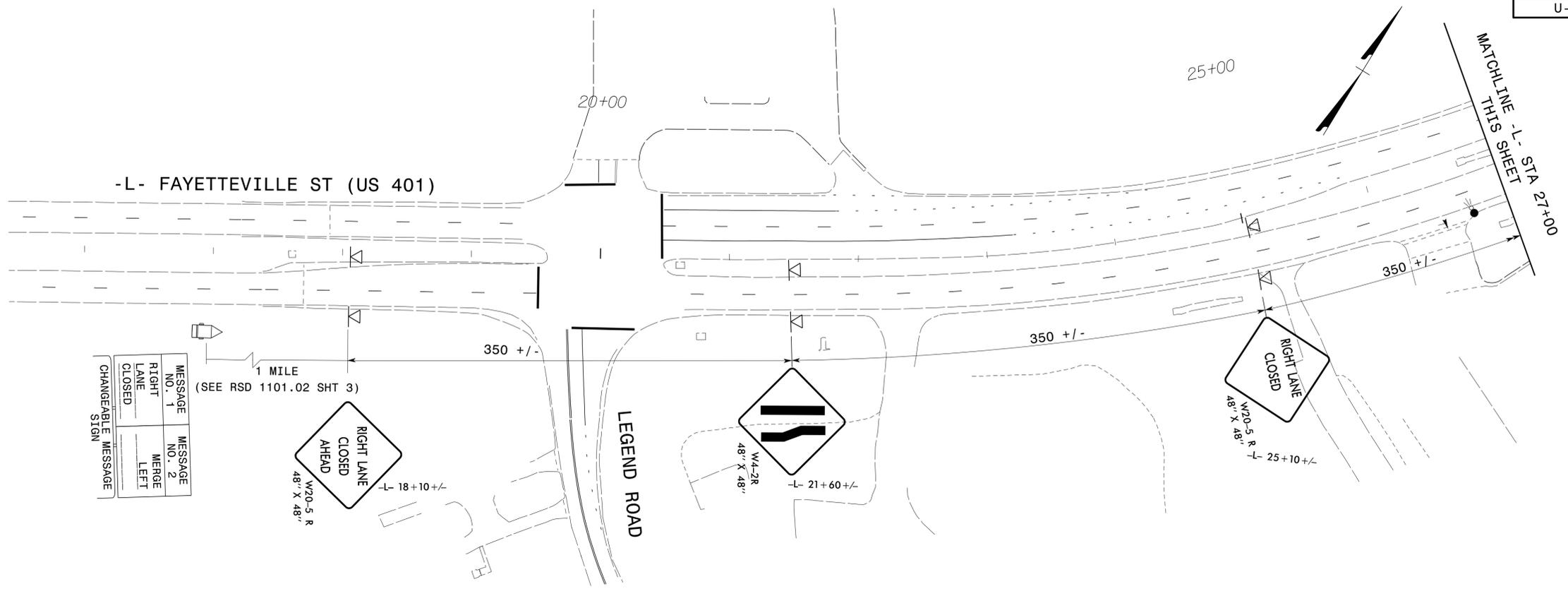


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PROJECT PHASING

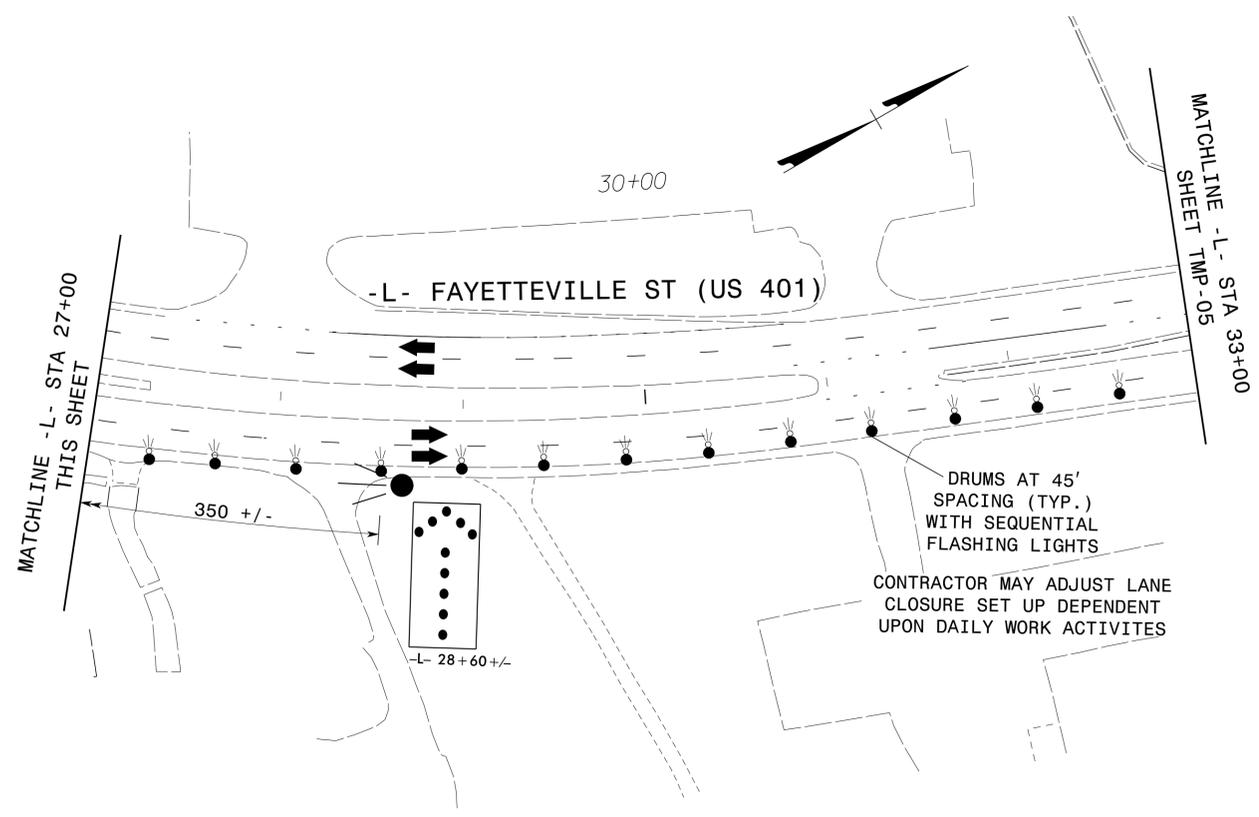
PROJ. REFERENCE NO.	SHEET NO.
U-5302	TMP-04



CHANGEABLE MESSAGE SIGN	MESSAGE NO. 1	MESSAGE NO. 2
	RIGHT LANE CLOSED	MERGE LEFT

1 MILE
(SEE RSD 1101.02 SHT 3)

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DRUMS AT 45' SPACING (TYP.) WITH SEQUENTIAL FLASHING LIGHTS
CONTRACTOR MAY ADJUST LANE CLOSURE SET UP DEPENDENT UPON DAILY WORK ACTIVITIES

NOTE:
USE THIS DETAIL WITH OUTSIDE LANE CLOSURE DETAILS SHOWN ON TMP-05 THRU TMP-07 AND TMP-09 THRU TMP-11

APPROVED: *Jeff Kooft*
DATE: 1/8/2026

SEAL 018122
JEFFREY A. KOONTZ
ENGINEER

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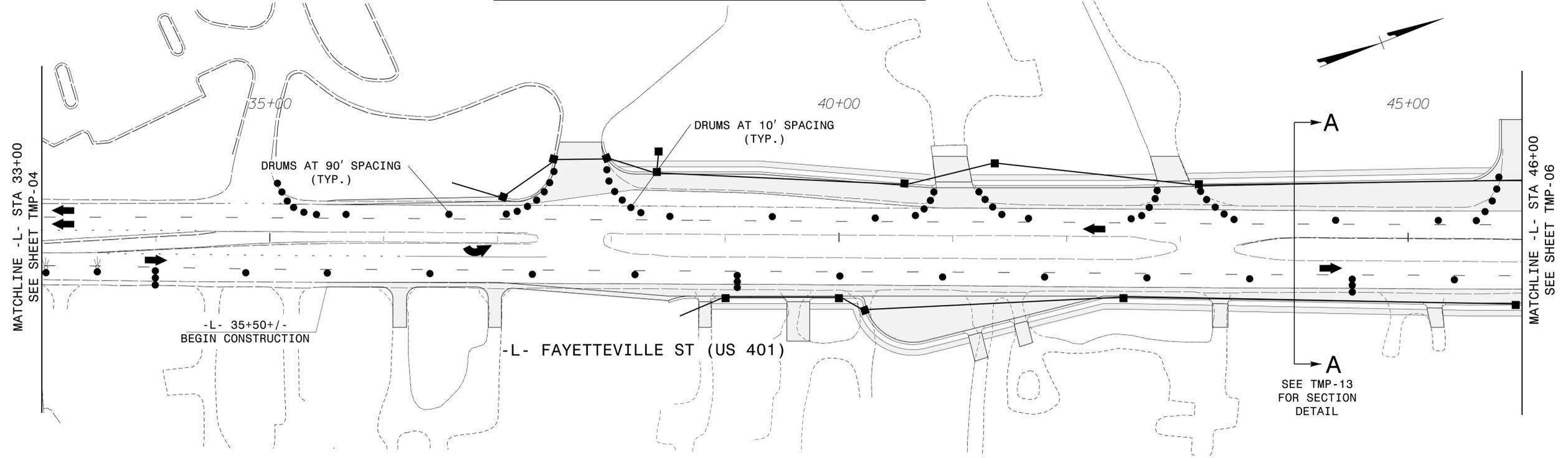


**PHASE I
DETAIL**

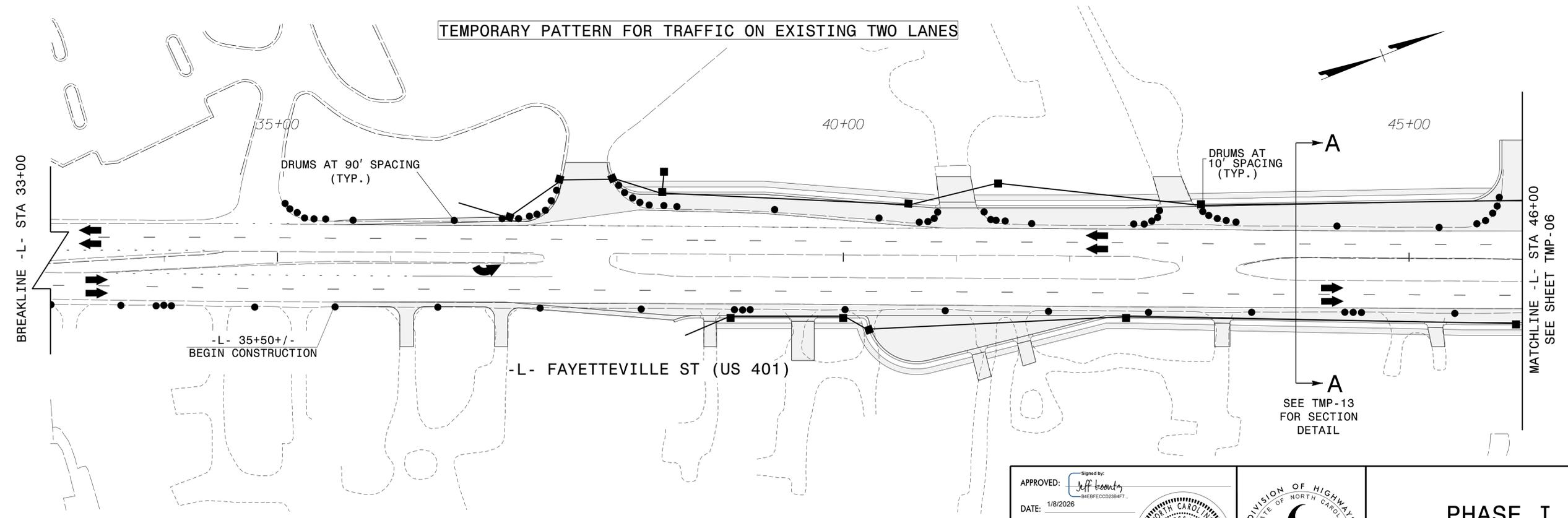
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PROJ. REFERENCE NO.	SHEET NO.
U-5302	TMP-05

TEMPORARY PATTERN FOR OUTSIDE LANE CLOSURE



TEMPORARY PATTERN FOR TRAFFIC ON EXISTING TWO LANES



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 ENGINEER
 JEFFREY A. KOONTZ

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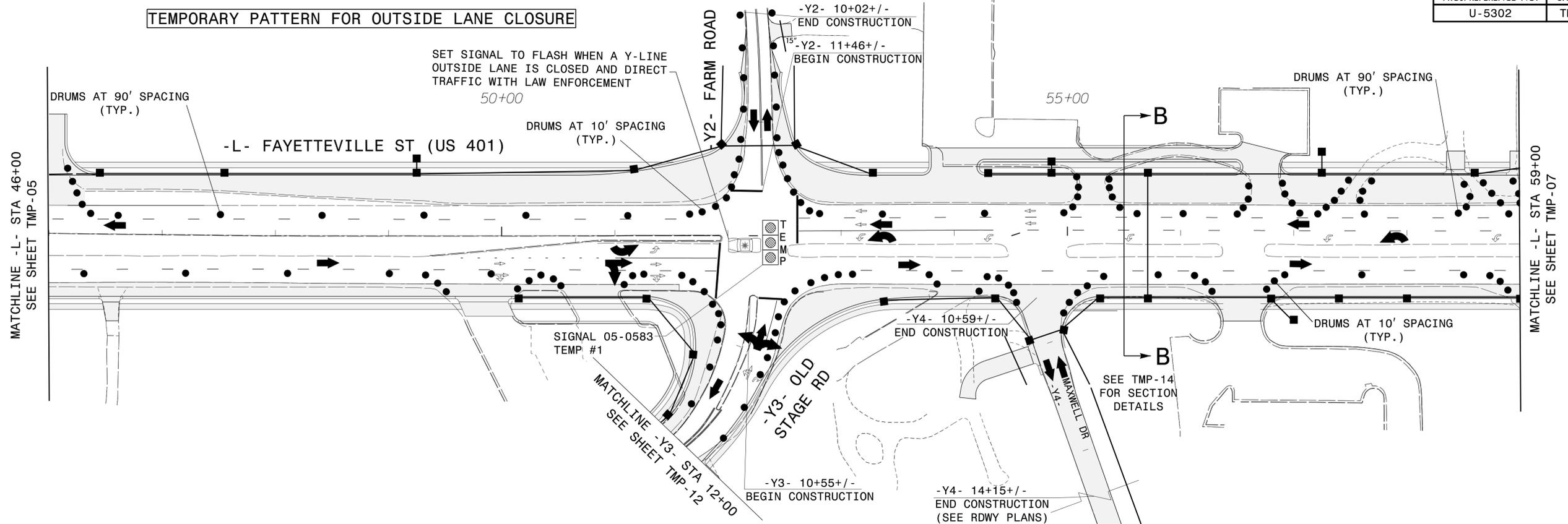


**PHASE I
 DETAILS
 US 401**

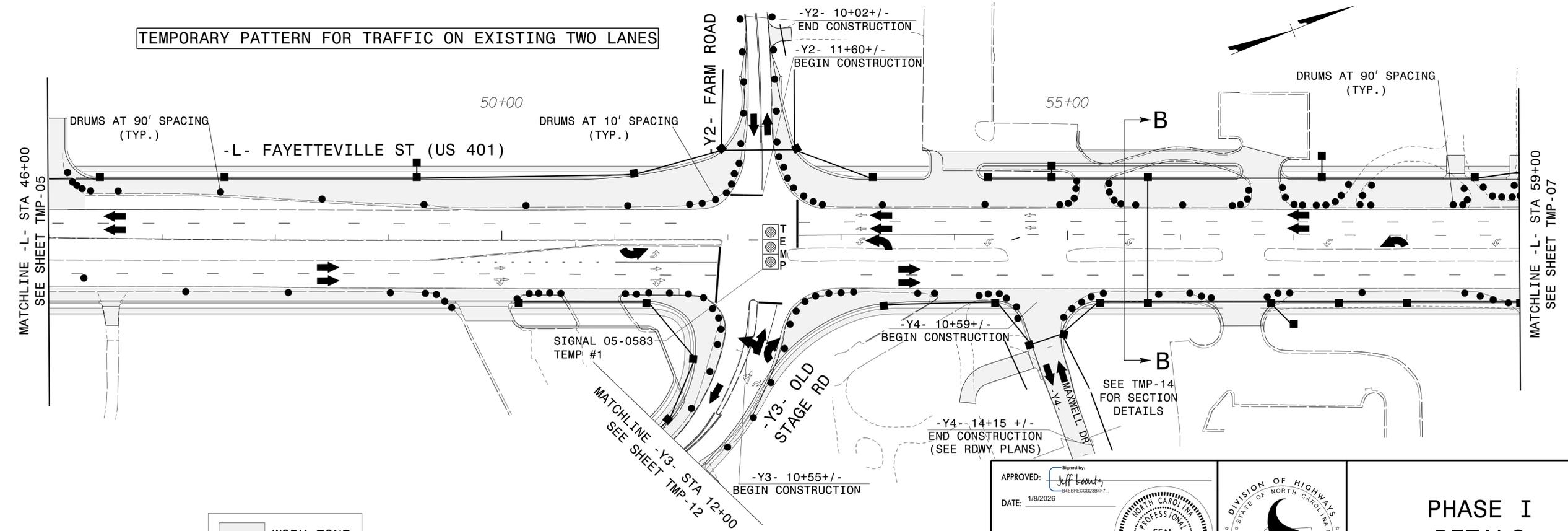
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TEMPORARY PATTERN FOR OUTSIDE LANE CLOSURE



TEMPORARY PATTERN FOR TRAFFIC ON EXISTING TWO LANES



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 DATE: 1/8/2026

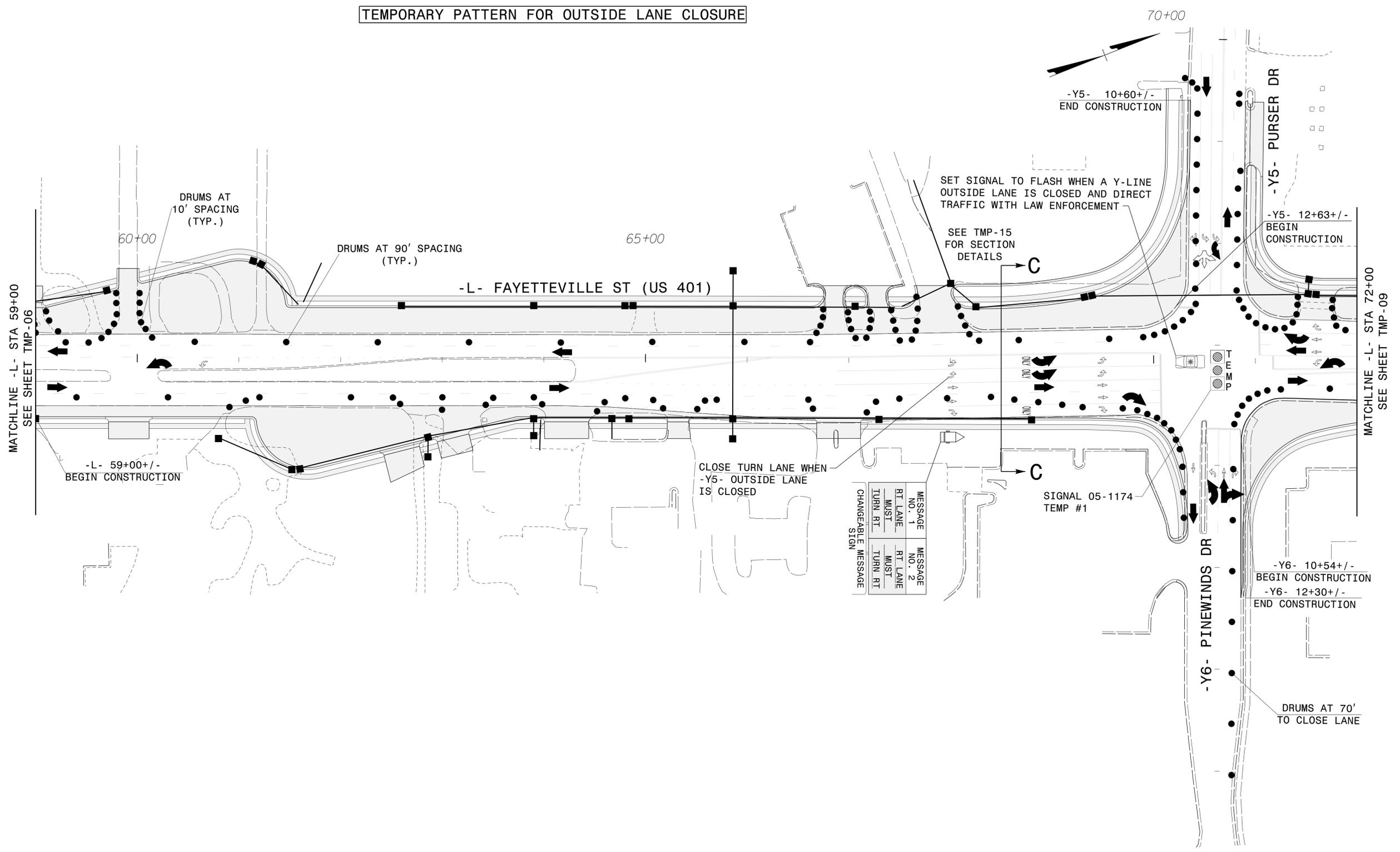
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 JEFFREY A. KOONTZ

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**PHASE I
 DETAILS
 US 401**

TEMPORARY PATTERN FOR OUTSIDE LANE CLOSURE



CHANGEABLE MESSAGE SIGN	MESSAGE NO. 1	MESSAGE NO. 2
	RT LANE MUST TURN RT	RT LANE MUST TURN RT
	RT LANE MUST TURN RT	RT LANE MUST TURN RT
	RT LANE MUST TURN RT	RT LANE MUST TURN RT

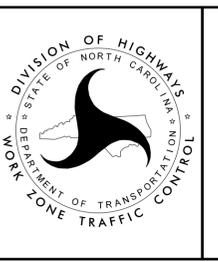
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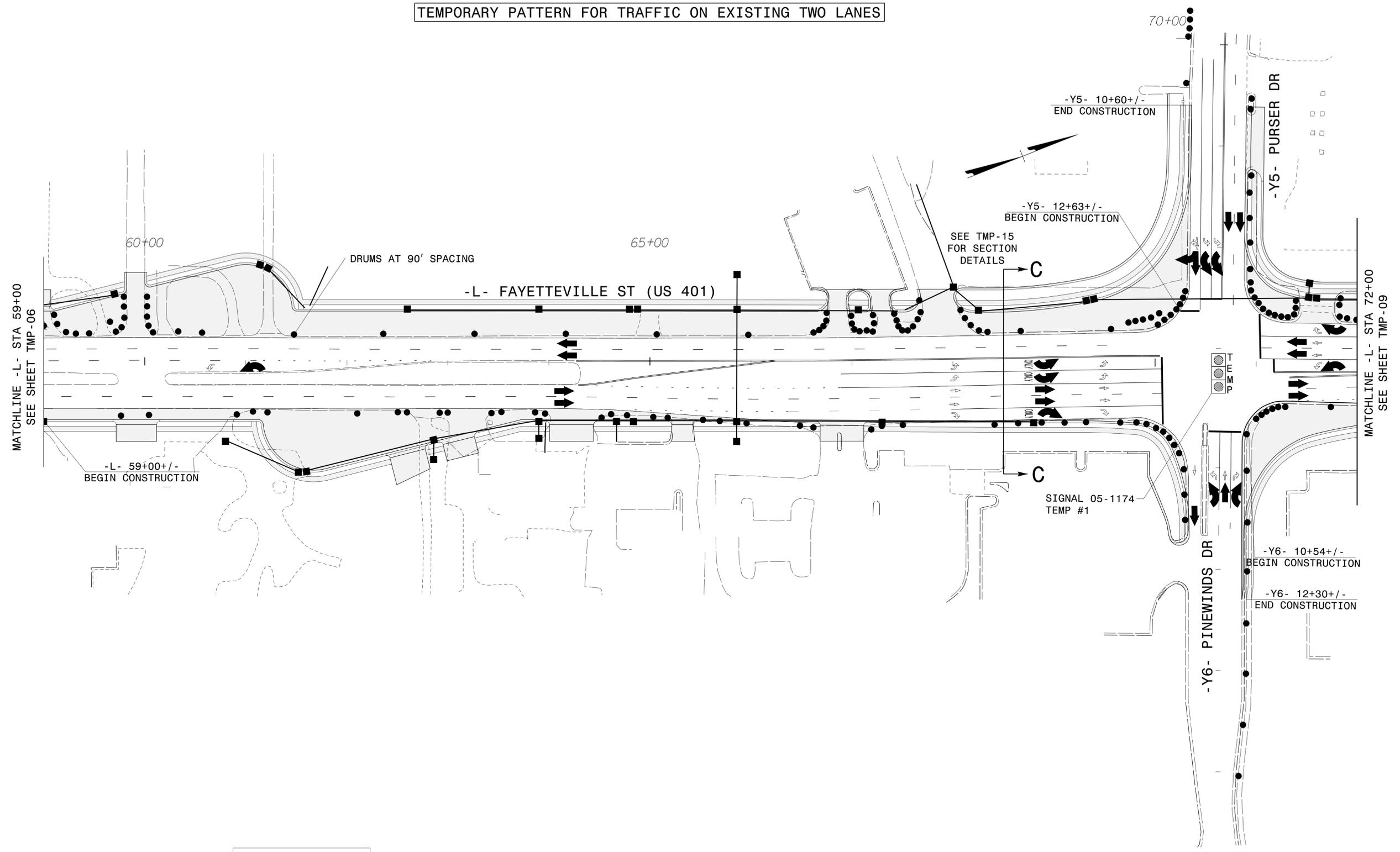
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**PHASE I
 DETAILS
 US 401**

TEMPORARY PATTERN FOR TRAFFIC ON EXISTING TWO LANES



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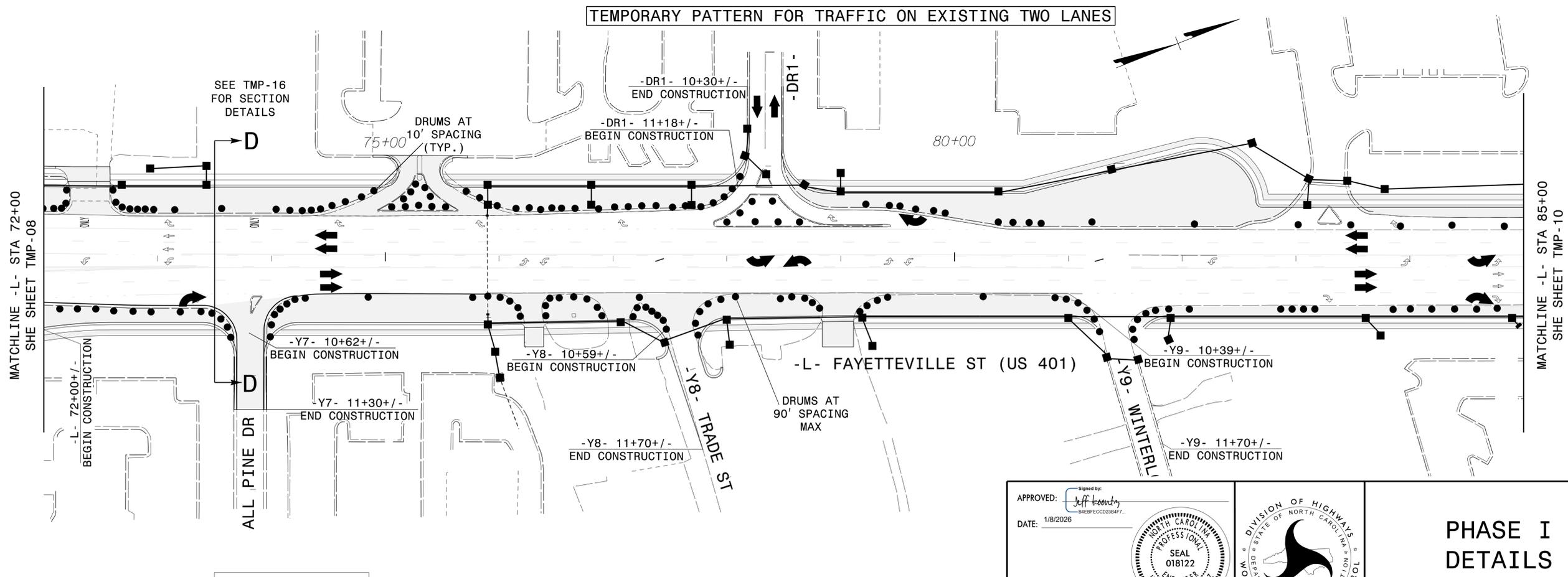
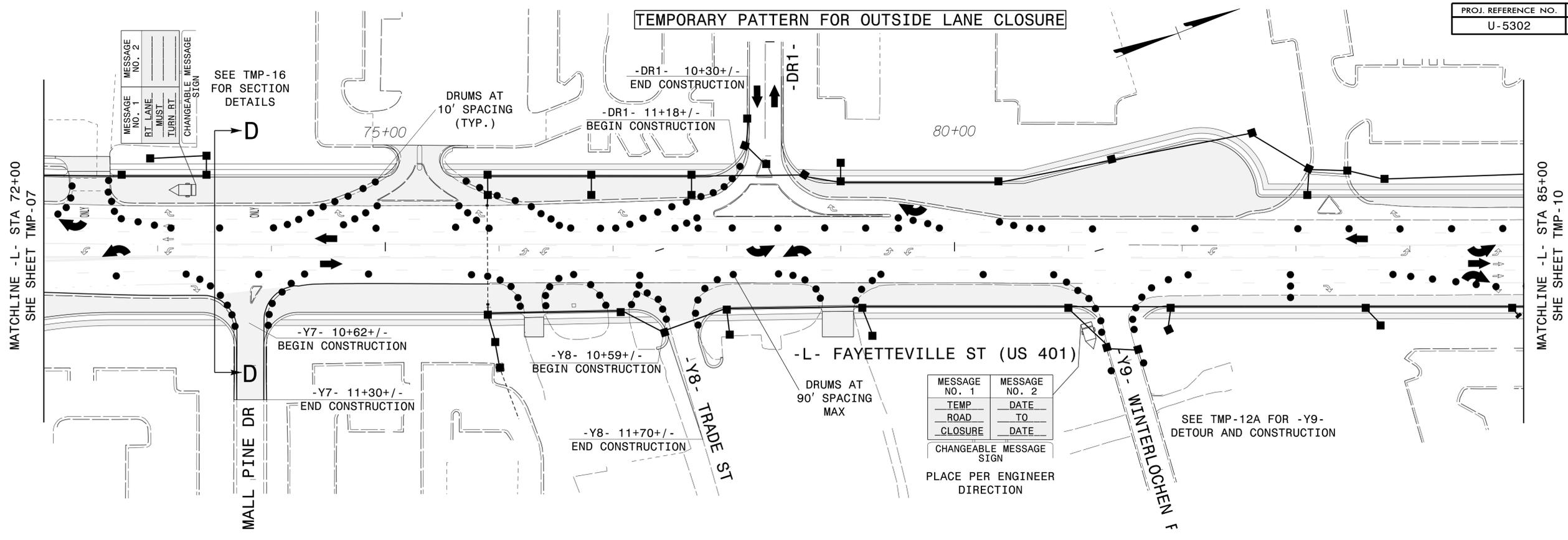
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**PHASE I
 DETAILS
 US 401**

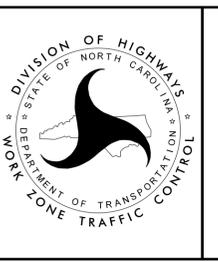


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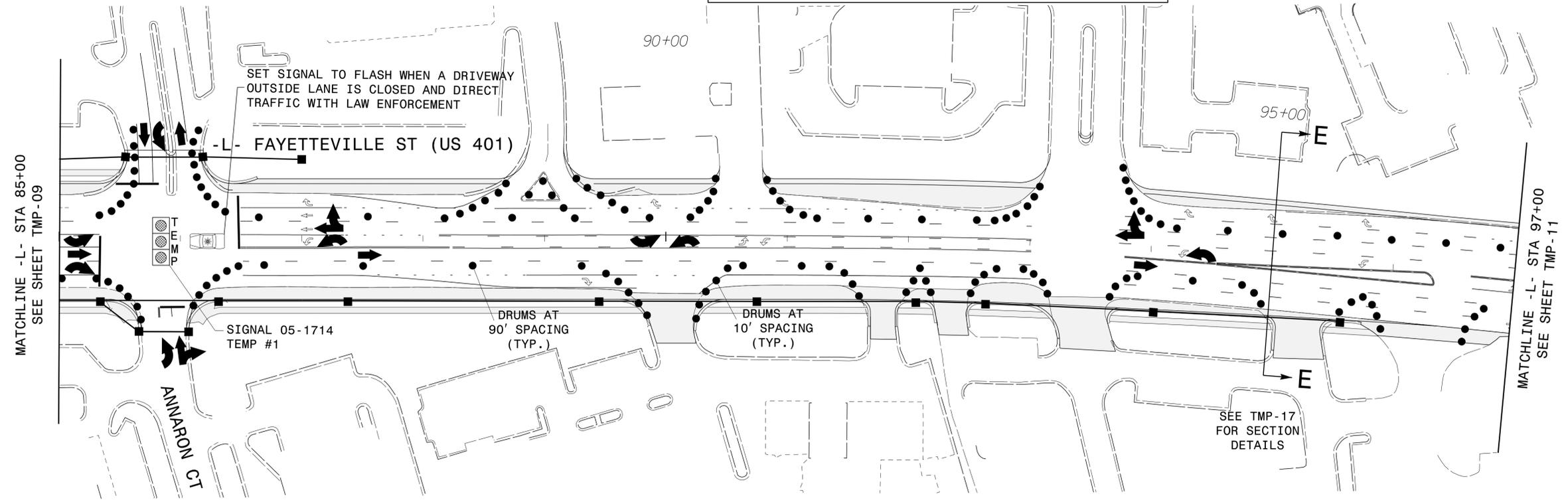
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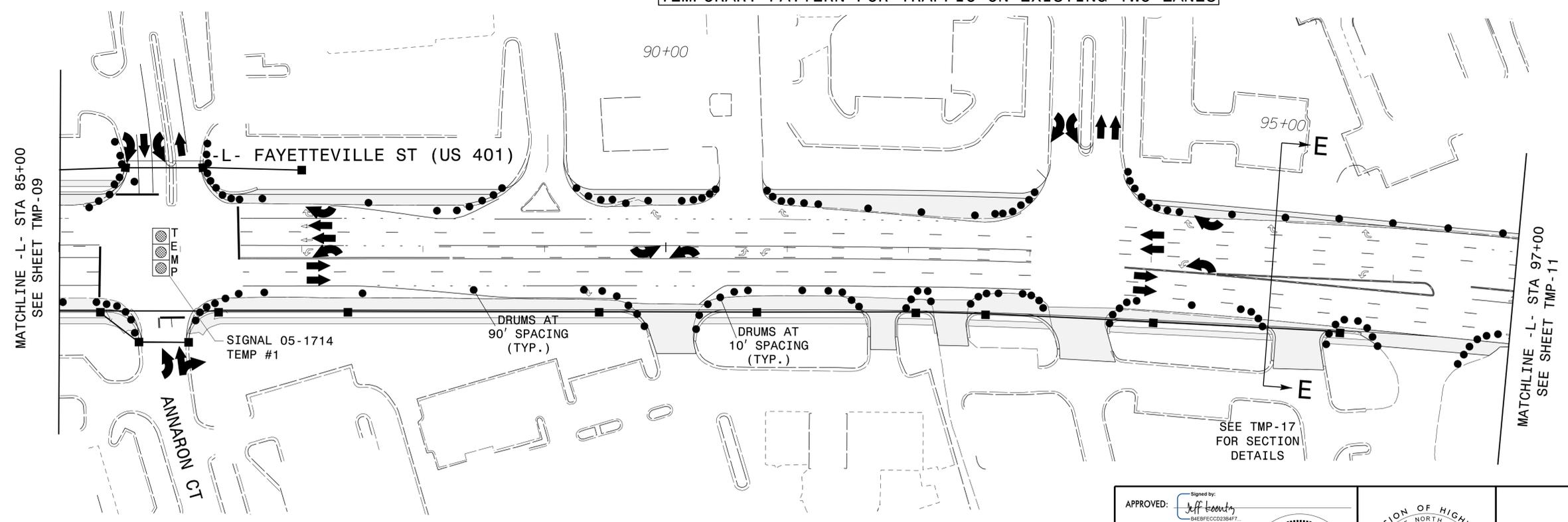
**PHASE I
 DETAILS
 US 401**

PROJ. REFERENCE NO.	SHEET NO.
U-5302	TMP-10

TEMPORARY PATTERN FOR OUTSIDE LANE CLOSURE



TEMPORARY PATTERN FOR TRAFFIC ON EXISTING TWO LANES



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 JEFFREY A. KOONTZ
 ENGINEER

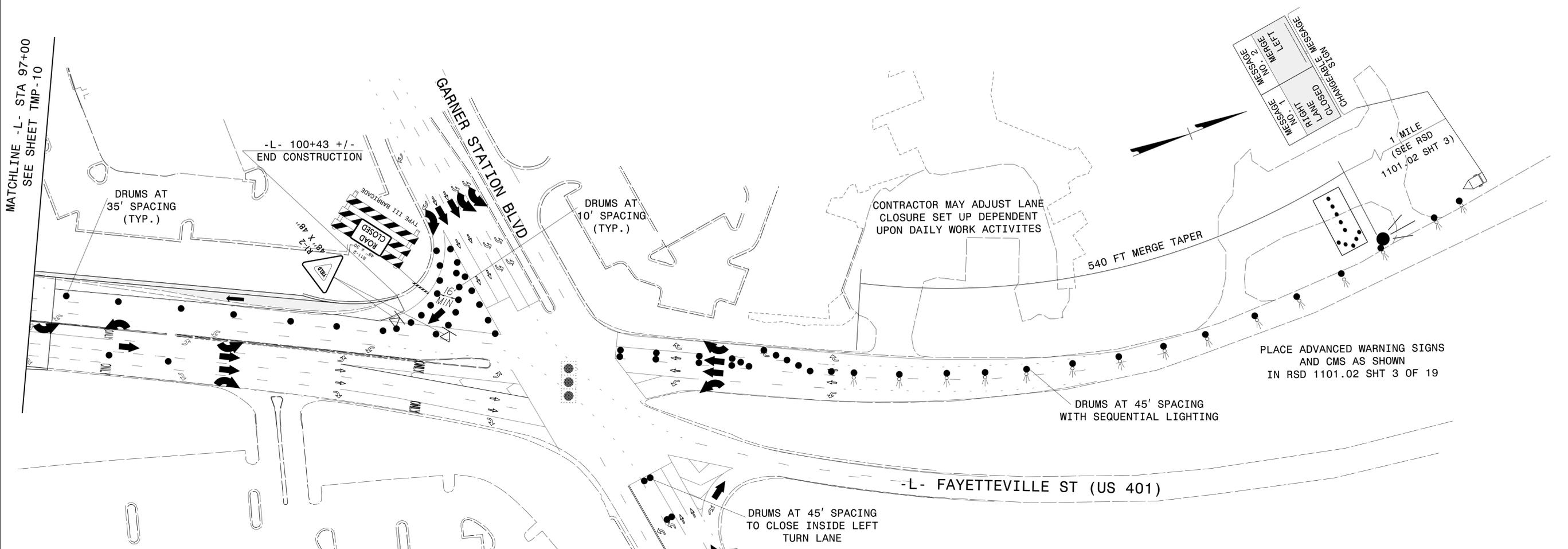
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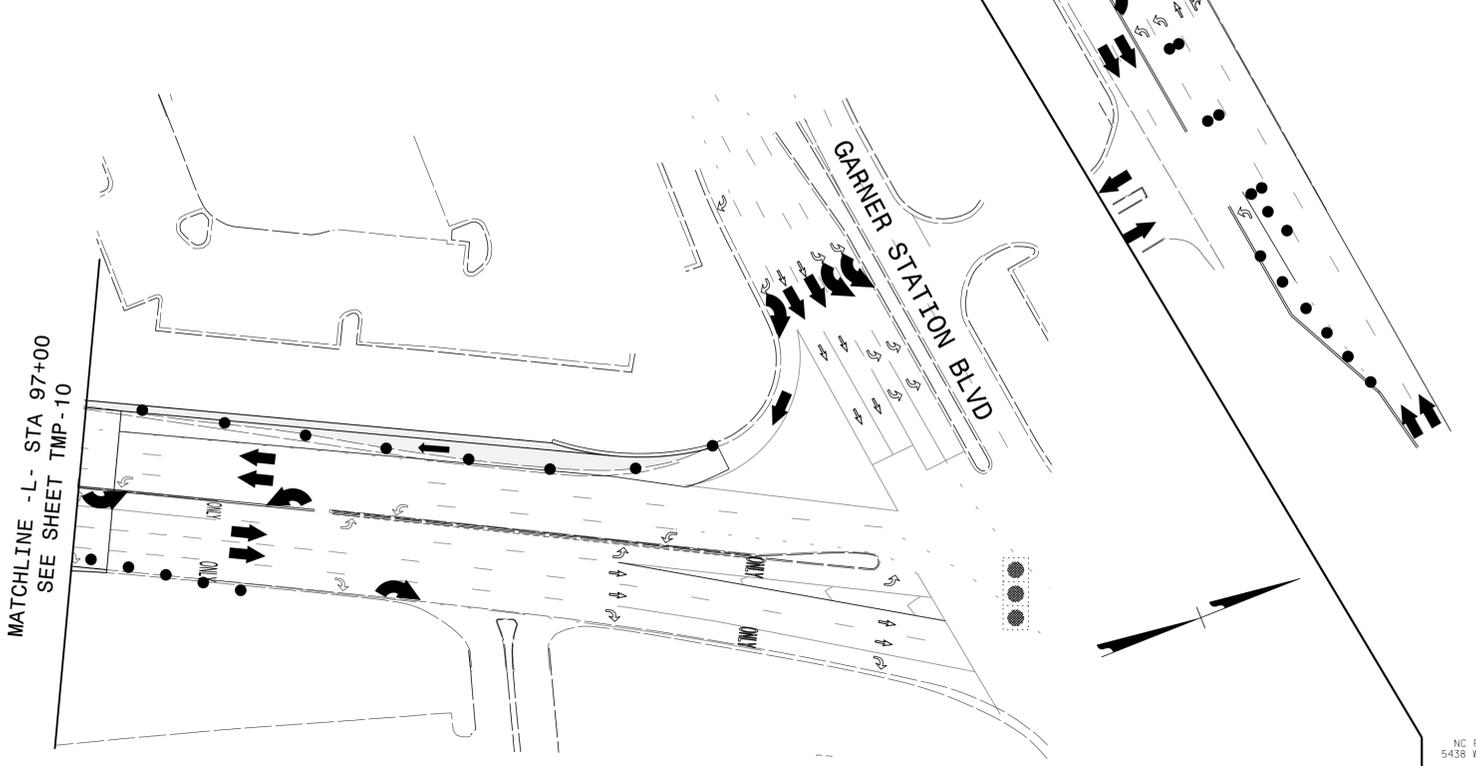
TEMPORARY PATTERN FOR OUTSIDE LANE CLOSURE

MATCHLINE -L- STA 97+00
SEE SHEET TMP-10



TEMPORARY PATTERN FOR TRAFFIC ON EXISTING TWO LANES

MATCHLINE -L- STA 97+00
SEE SHEET TMP-10



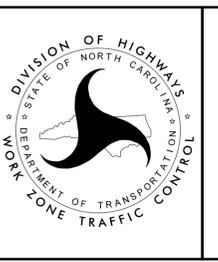
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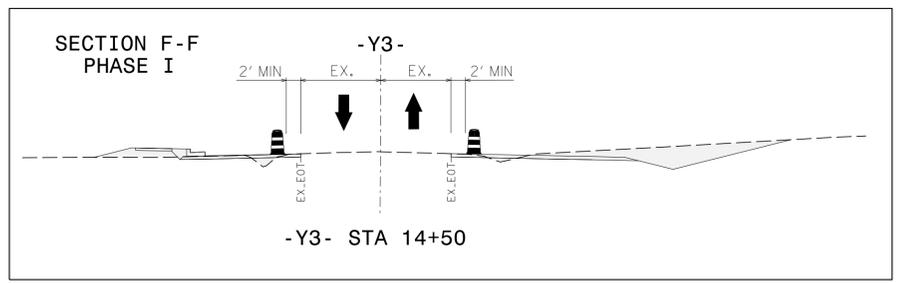
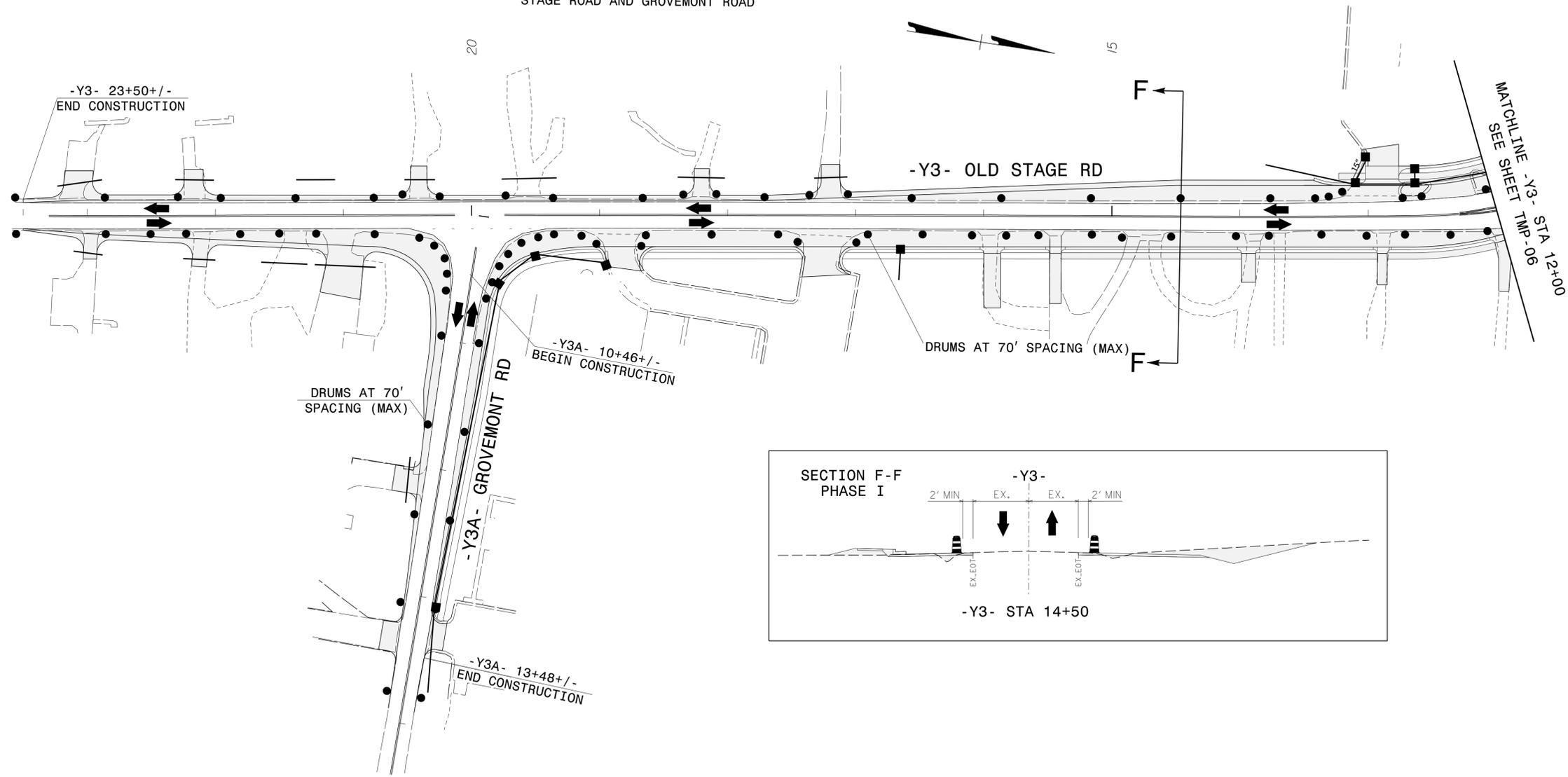
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**PHASE I
 DETAILS
 US 401**

USE ROADWAY STANDARD DRAWING 1101.02
(SHEET 1 OF 19) AND FLAGGERS FOR
ALTERNATING TRAFFIC TO CONSTRUCT OLD
STAGE ROAD AND GROVEMONT ROAD



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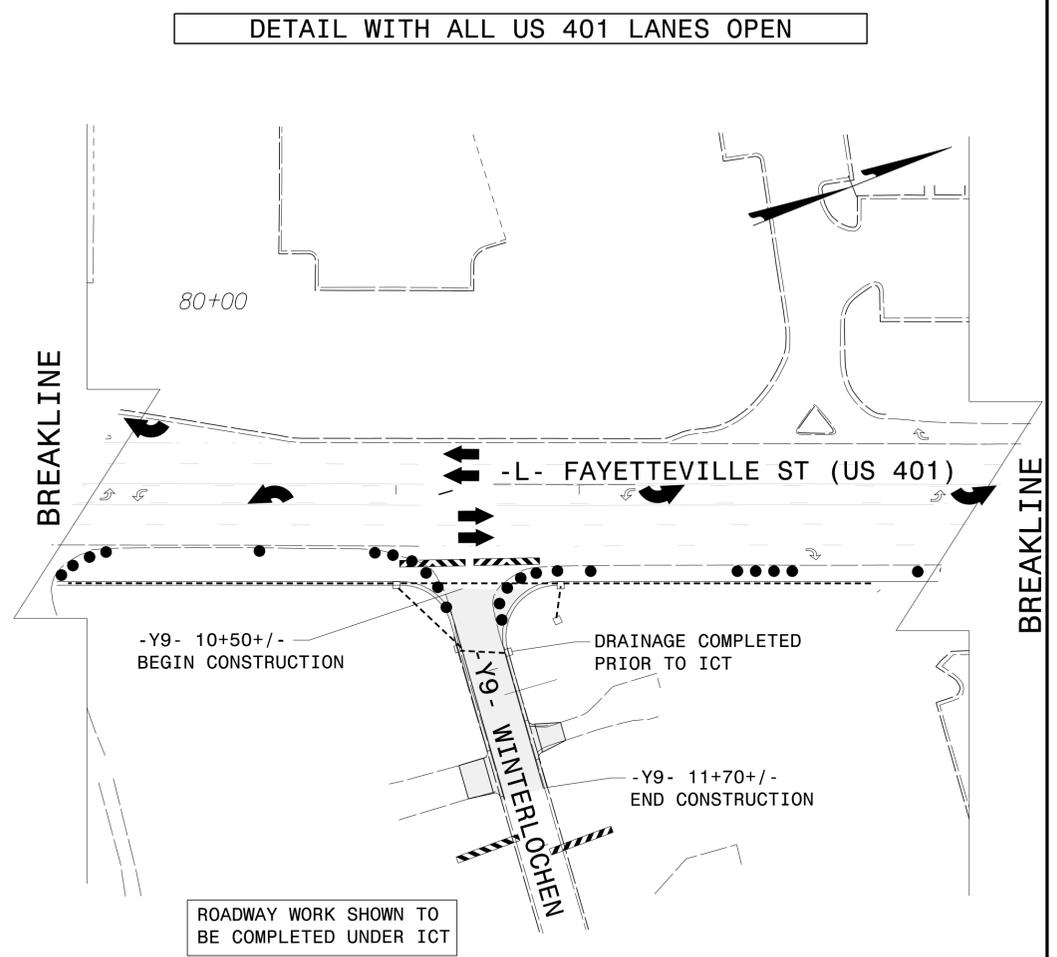
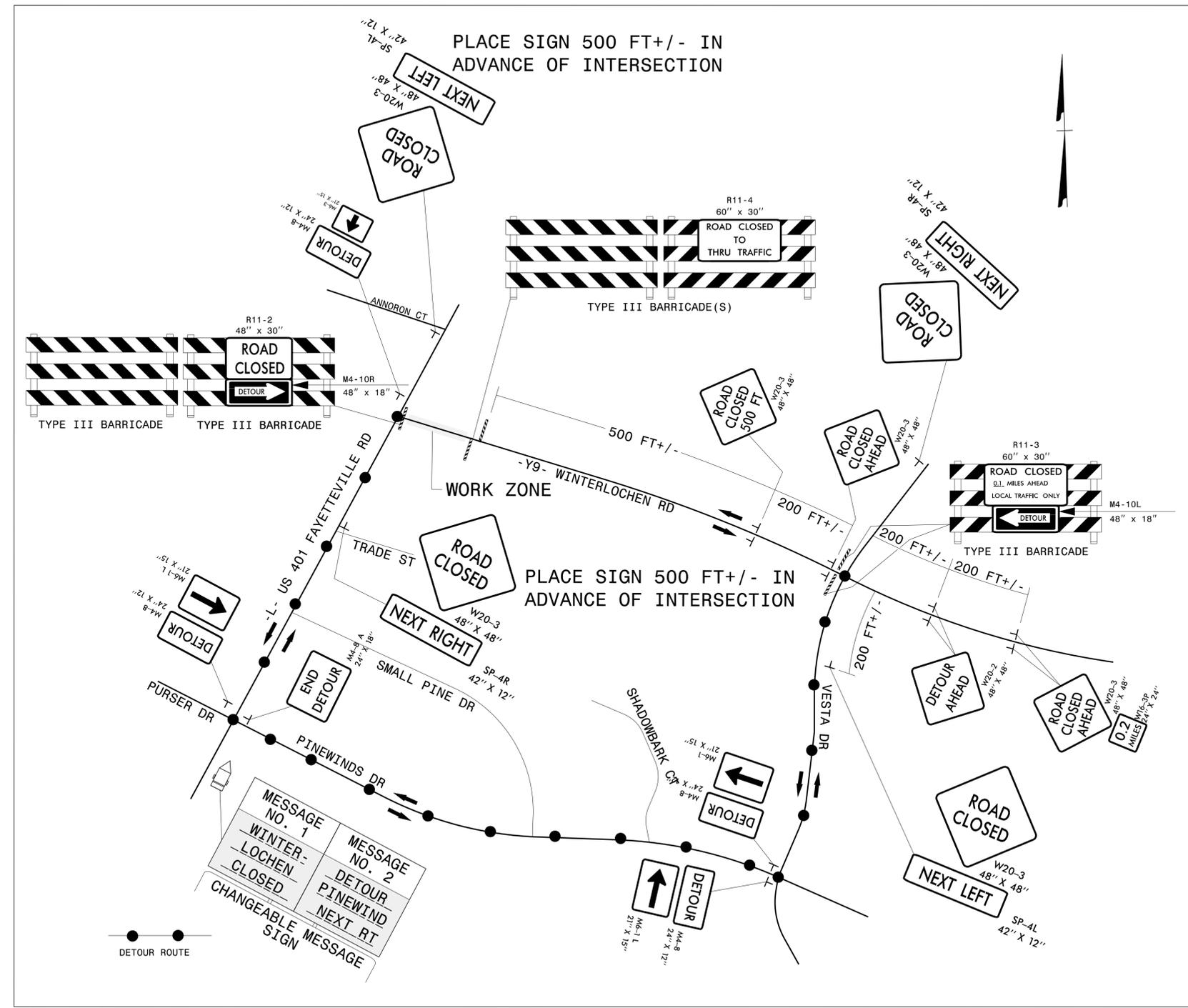
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ENGINEER

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**PHASE I
DETAILS
OLD STAGE ROAD**

WINTERLOCHEN DR TEMP DETOUR ROUTE



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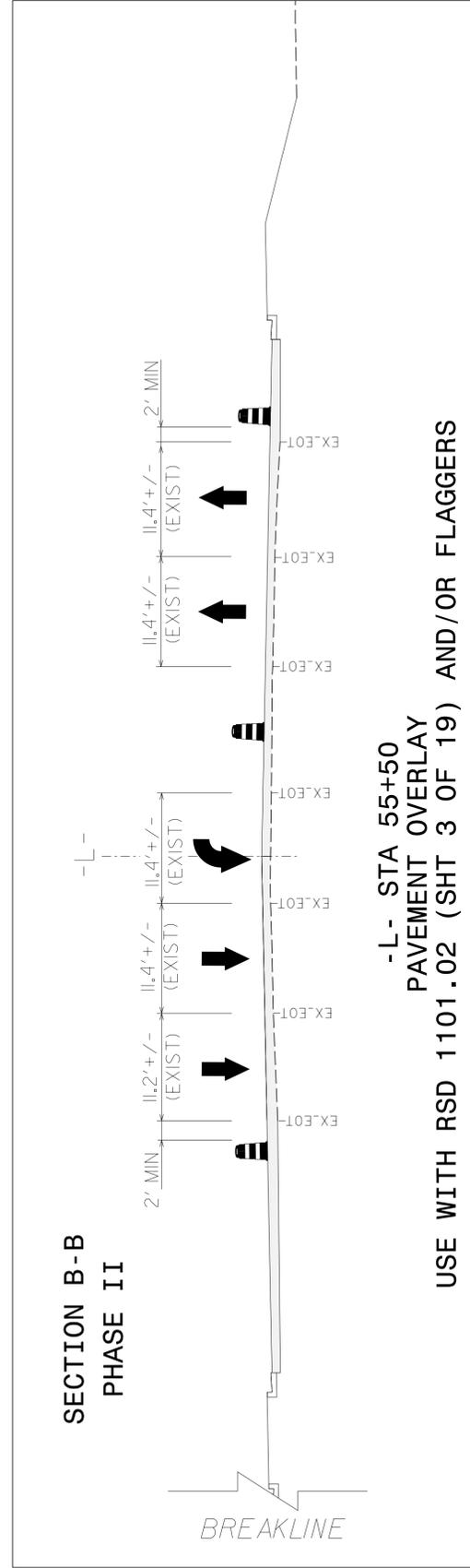
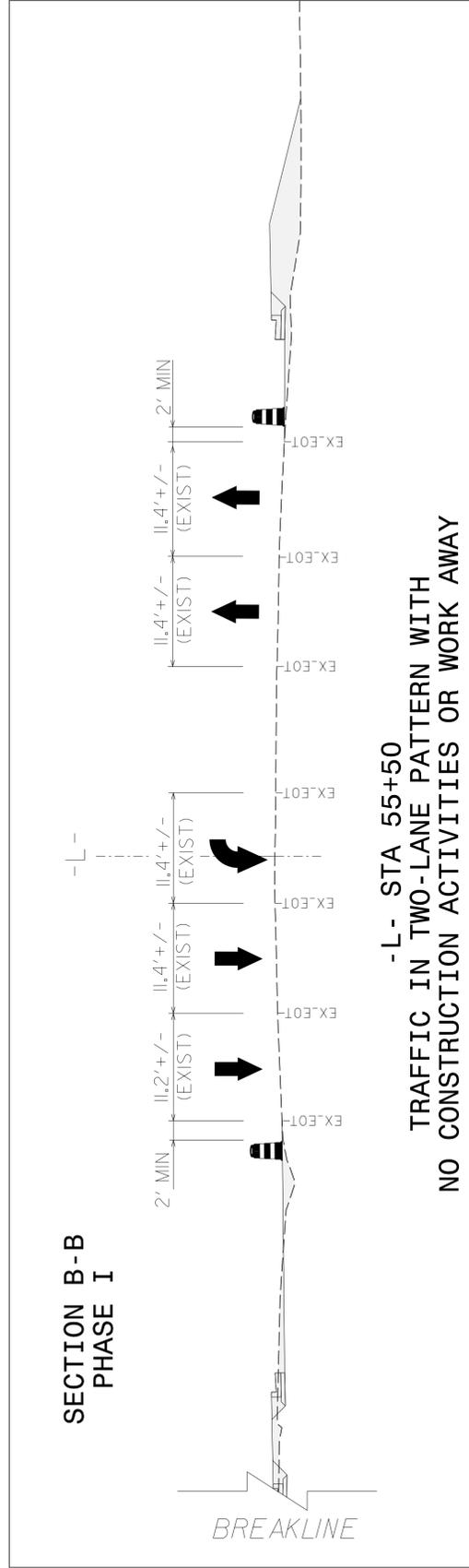
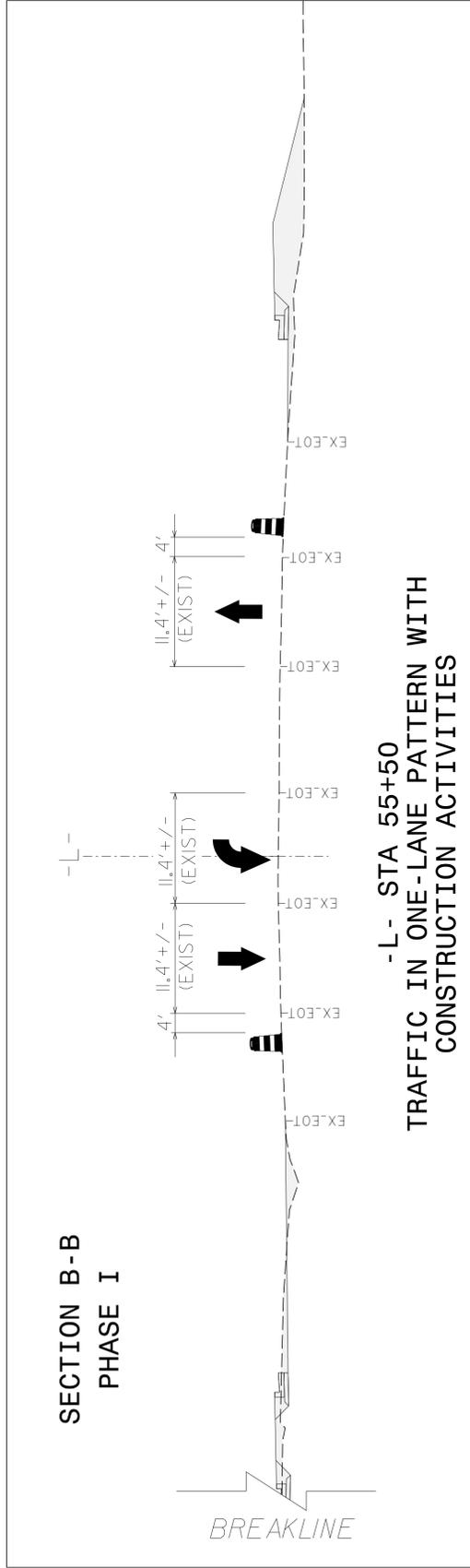
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ENGINEER

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**PHASE I
DETAILS
WINTERLOCHEN DR
-Y9-**

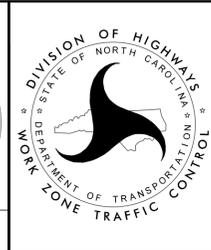
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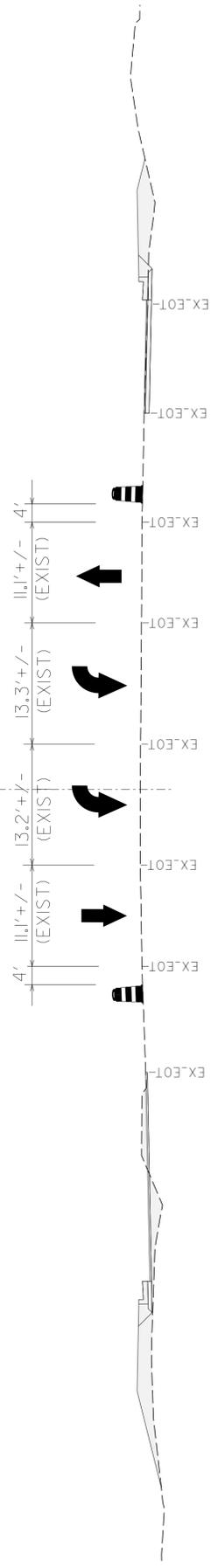
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**PHASE I & II
SECTION B-B
DETAILS**

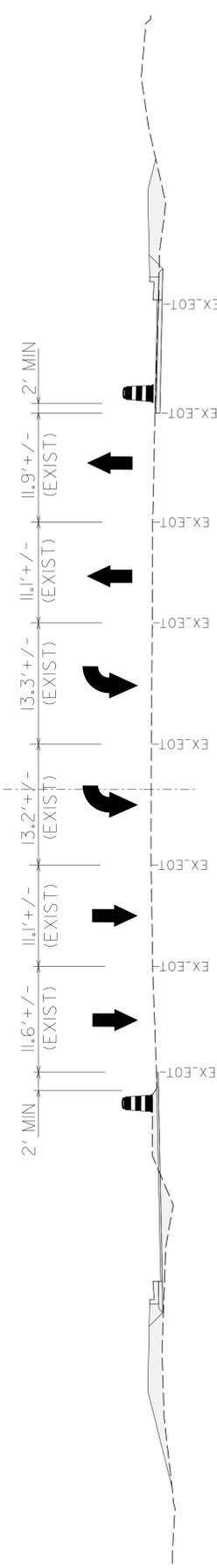
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**SECTION C-C
 PHASE I**



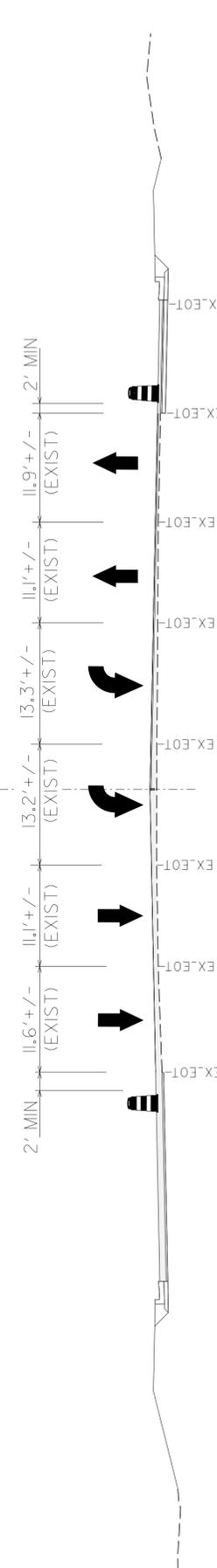
**-L- STA 68+50
 TRAFFIC IN ONE-LANE PATTERN WITH
 CONSTRUCTION ACTIVITIES**

**SECTION C-C
 PHASE I**



**-L- STA 68+50
 TRAFFIC IN TWO-LANE PATTERN WITH
 NO CONSTRUCTION ACTIVITIES OR WORK AWAY FROM TRAFFIC**

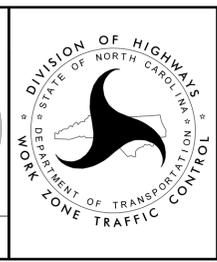
**SECTION C-C
 PHASE II**



**-L- STA 68+50
 PAVEMENT OVERLAY
 USED WITH RSD 1101.02 (SHT 3 OF 19) AND/OR FLAGGERS**

APPROVED: *Jeff Kooty*
 DATE: 1/8/2026

SEAL
 018122
 ENGINEER
 JEFFREY A. KOONTZ

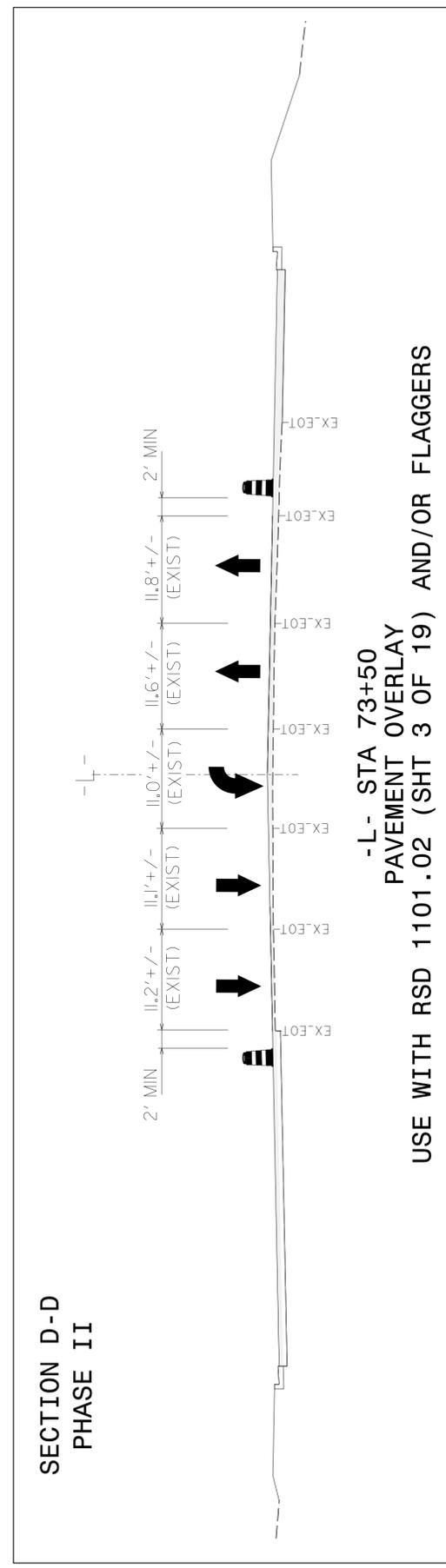
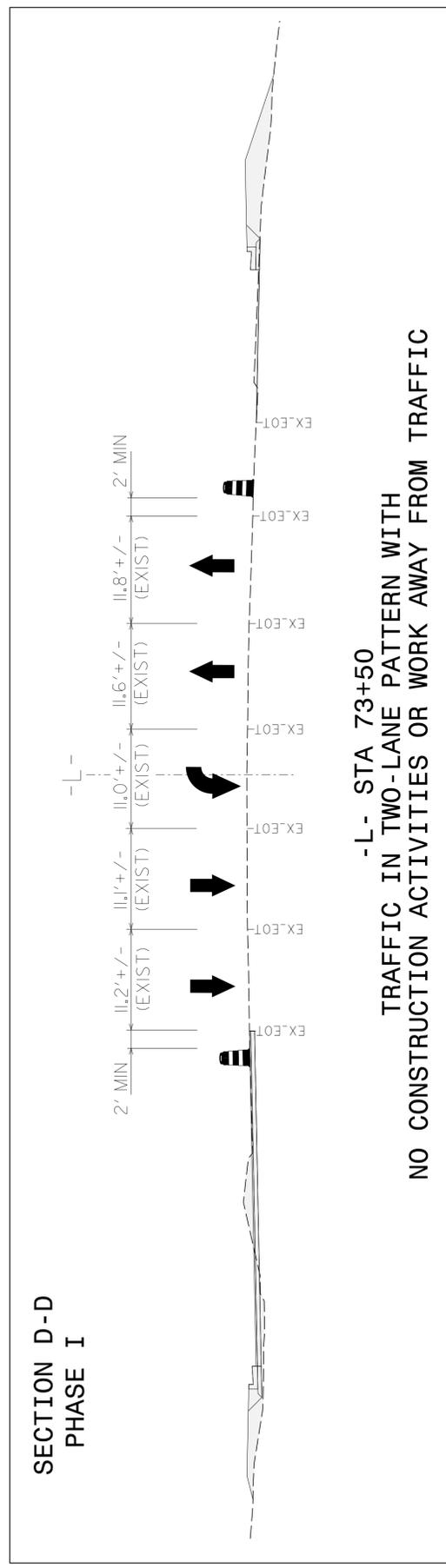
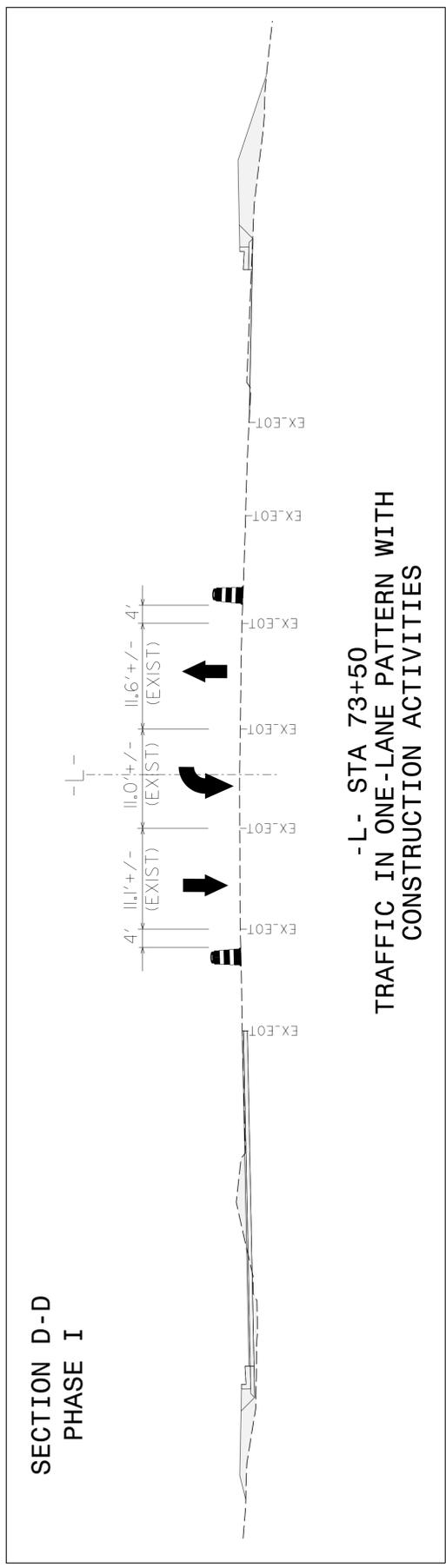


**PHASE I & II
 SECTION C-C
 DETAILS**

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APPROVED: *Jeff Beatty*
 DATE: 1/8/2026

SEAL
 018122
 ENGINEER
 JEFFREY A. KOONTZ

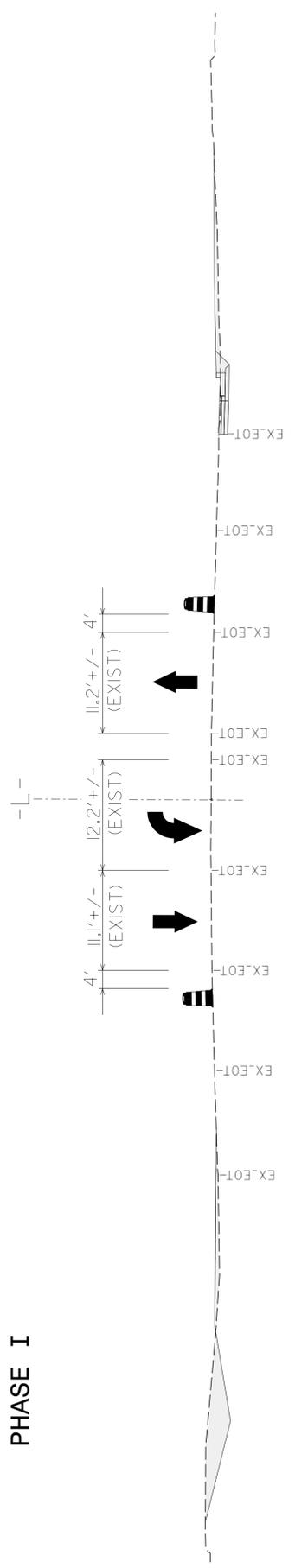
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**PHASE I & II
SECTION D-D
DETAILS**

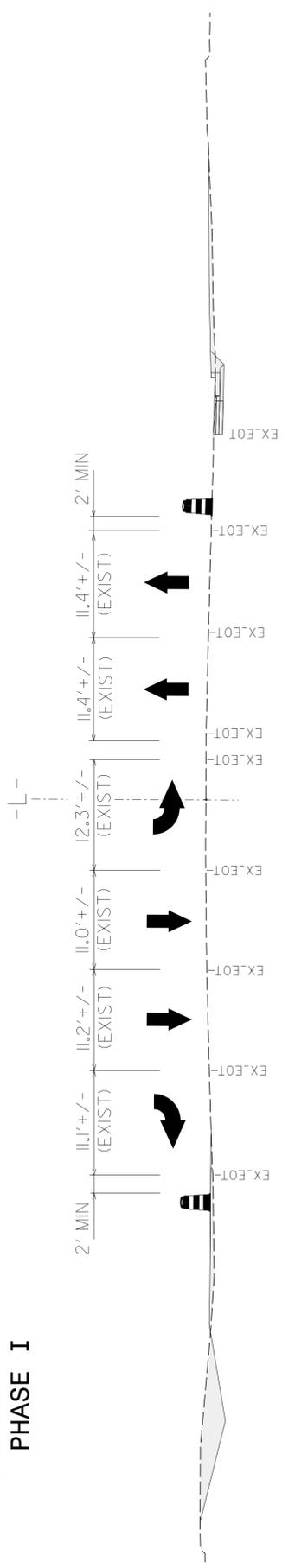
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**SECTION E-E
 PHASE I**



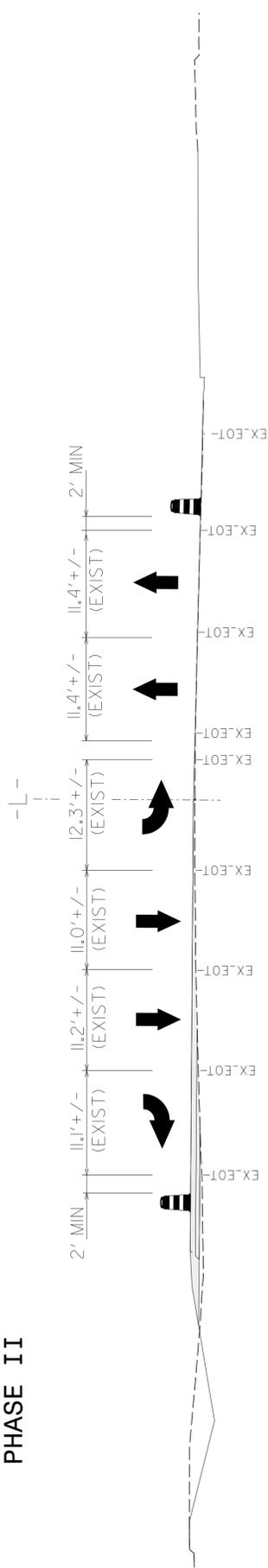
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 TRAFFIC IN ONE-LANE PATTERN WITH
 CONSTRUCTION ACTIVITIES**

**SECTION E-E
 PHASE I**



**-L- STA 95+00
 TRAFFIC IN TWO-LANE PATTERN WITH
 NO CONSTRUCTION ACTIVITIES**

**SECTION E-E
 PHASE II**



**-L- STA 95+00
 PAVEMENT OVERLAY
 USE WITH RSD 1101.02 (SHT 3 OF 19) AND/OR FLAGGERS**

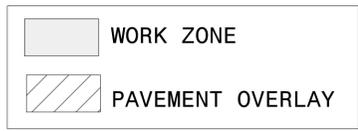
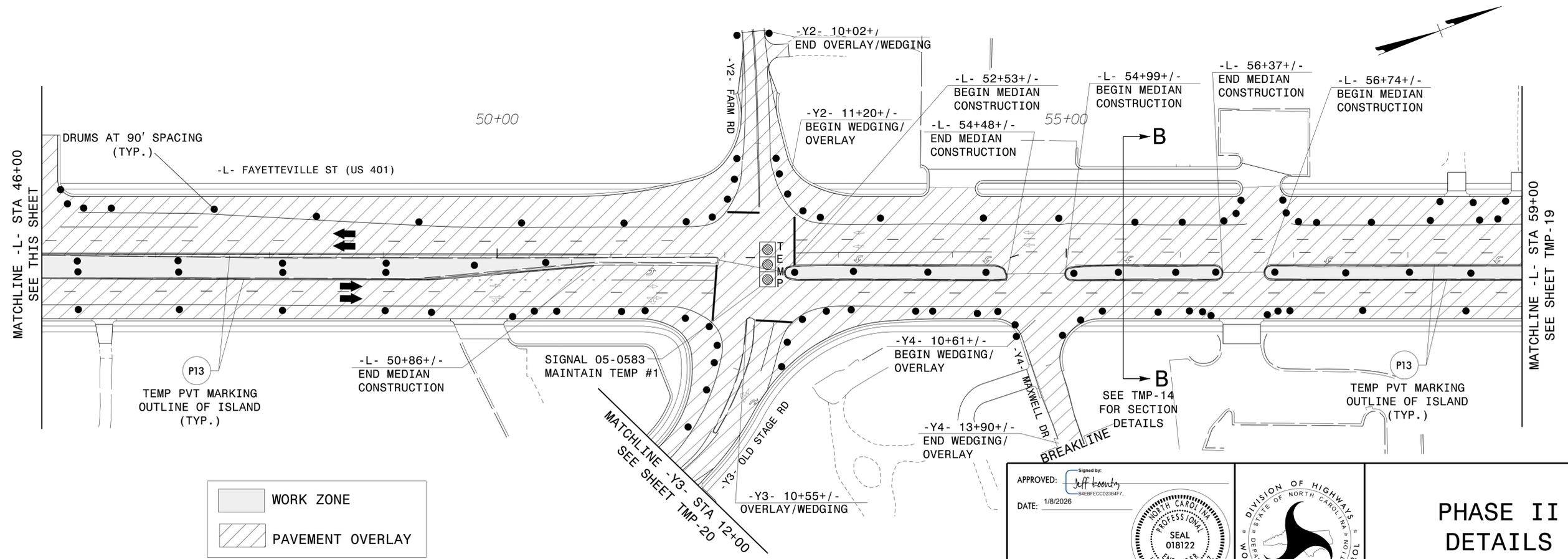
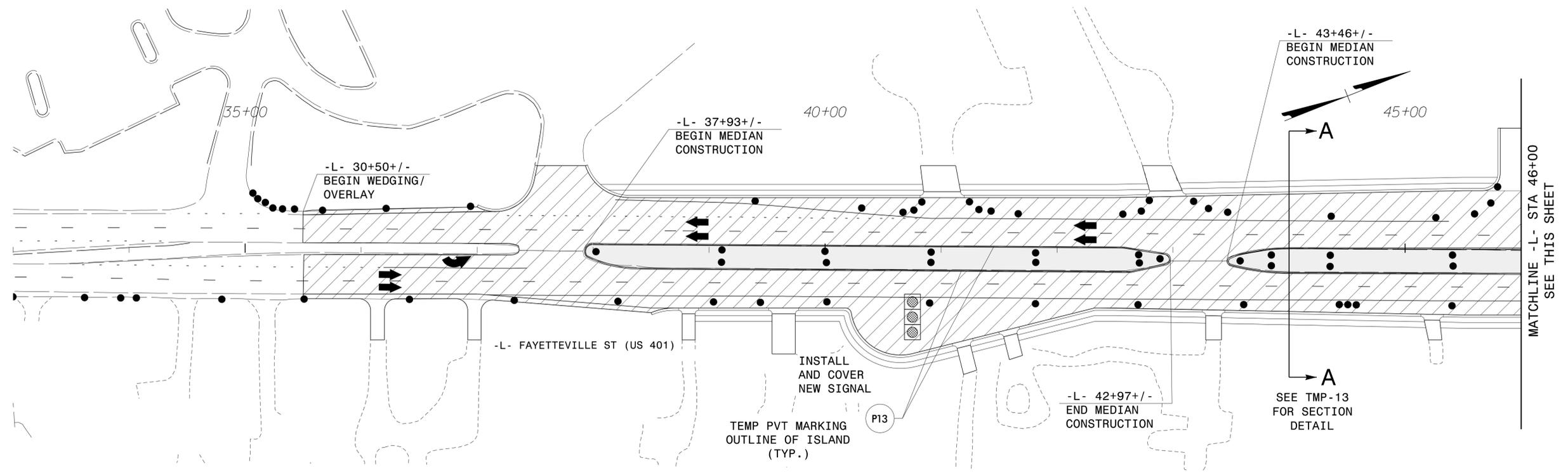
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 DATE: 1/8/2026

SEAL 018122
 ENGINEER
 JEFFREY A. KOONTZ



**PHASE I & II
 SECTION E-E
 DETAILS**

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Seal: NORTH CAROLINA PROFESSIONAL SEAL 018122
 ENGINEER JEFFREY A. KOONTZ

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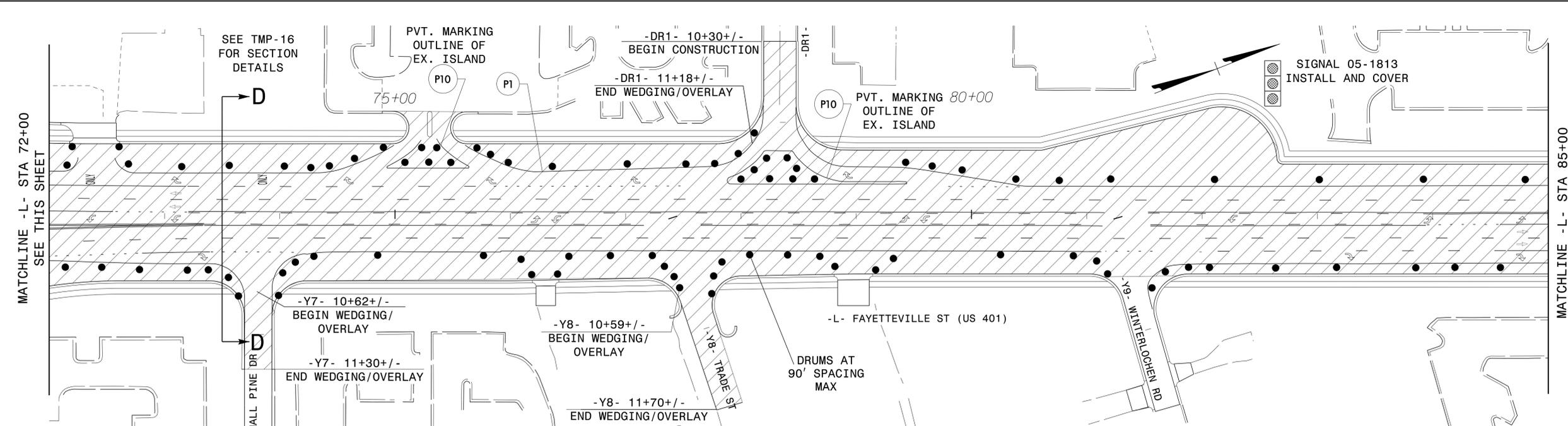
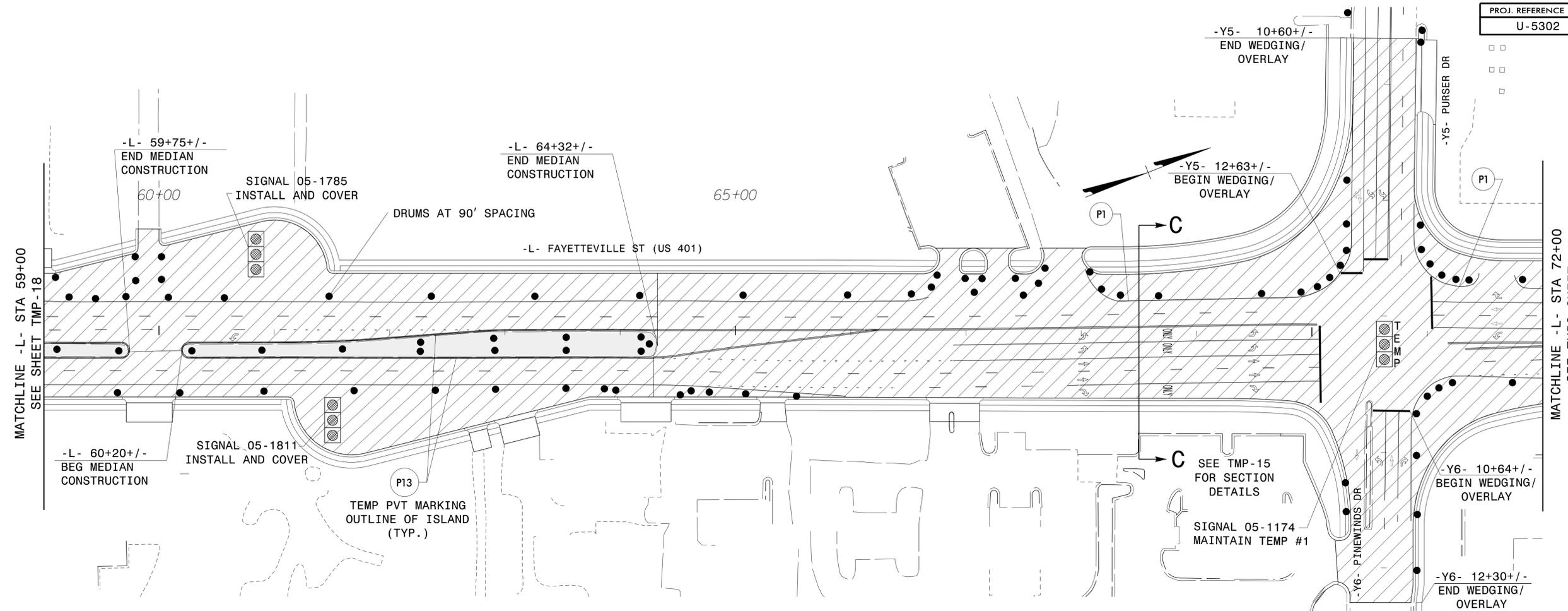


**PHASE II
 DETAILS
 US 401**

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 User: jpatrick.mcpherson

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 DATE: 1/8/2026

SEAL 018122
 ENGINEER
 JEFFREY A. KOONTZ

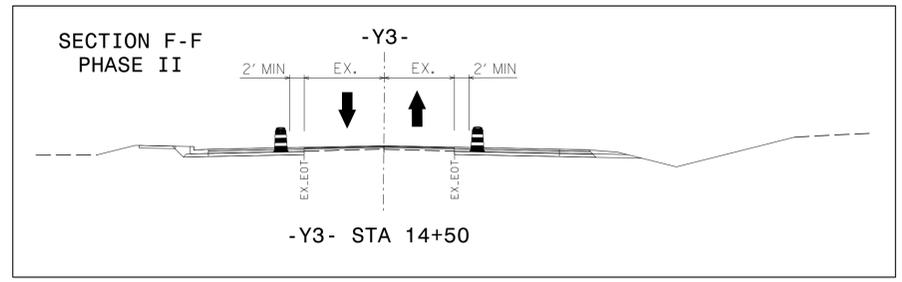
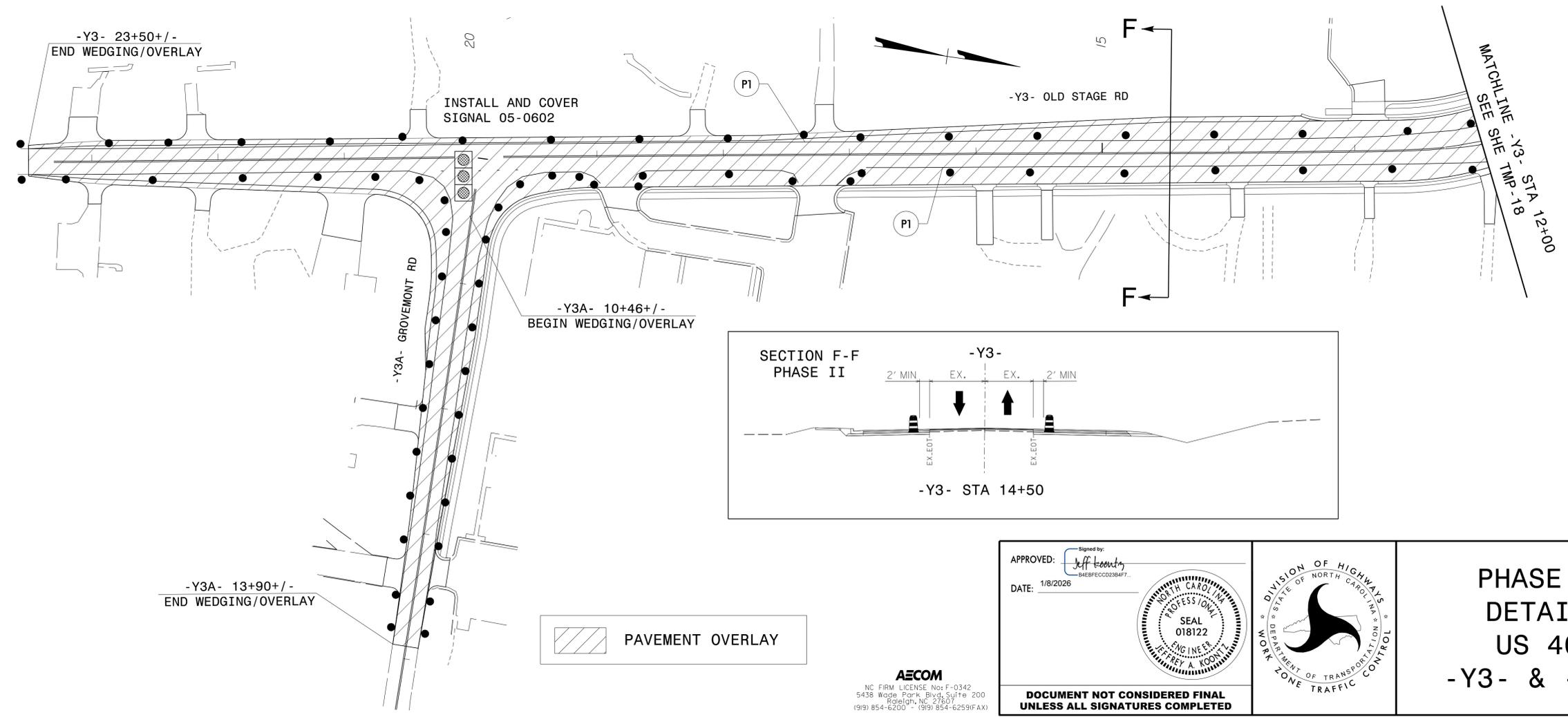
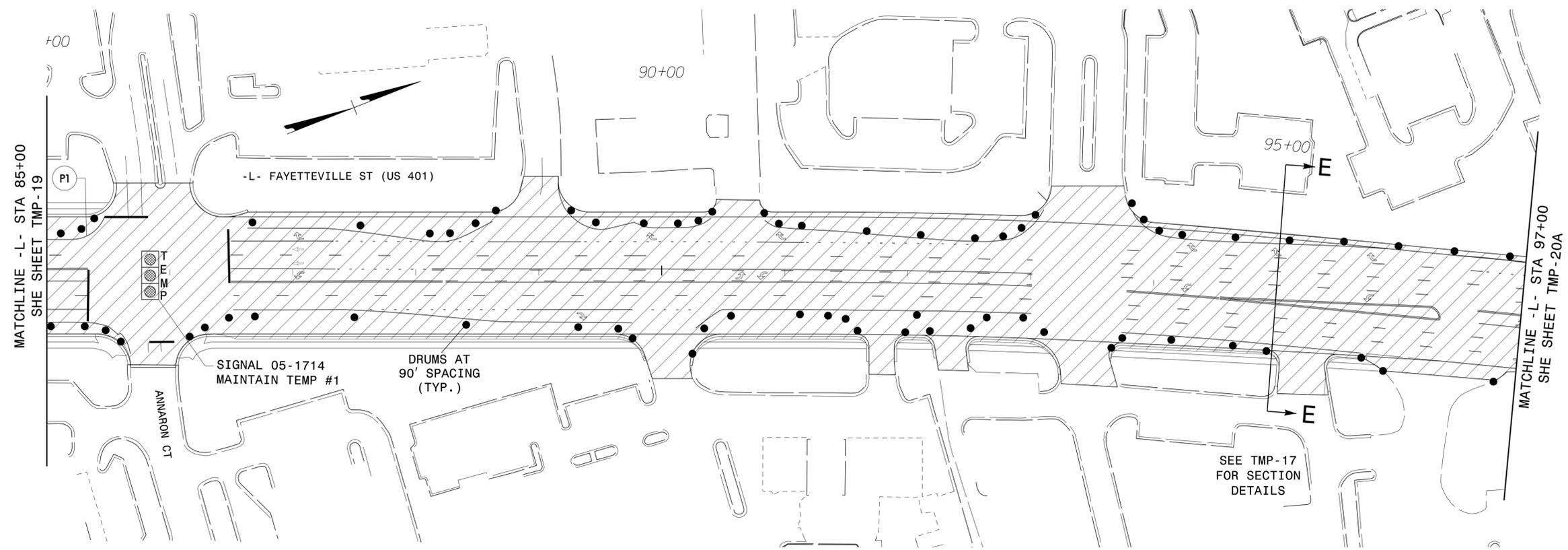
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PAVEMENT OVERLAY

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 DATE: 1/8/2026

SEAL 018122
 JEFFREY A. KOONTZ
 ENGINEER

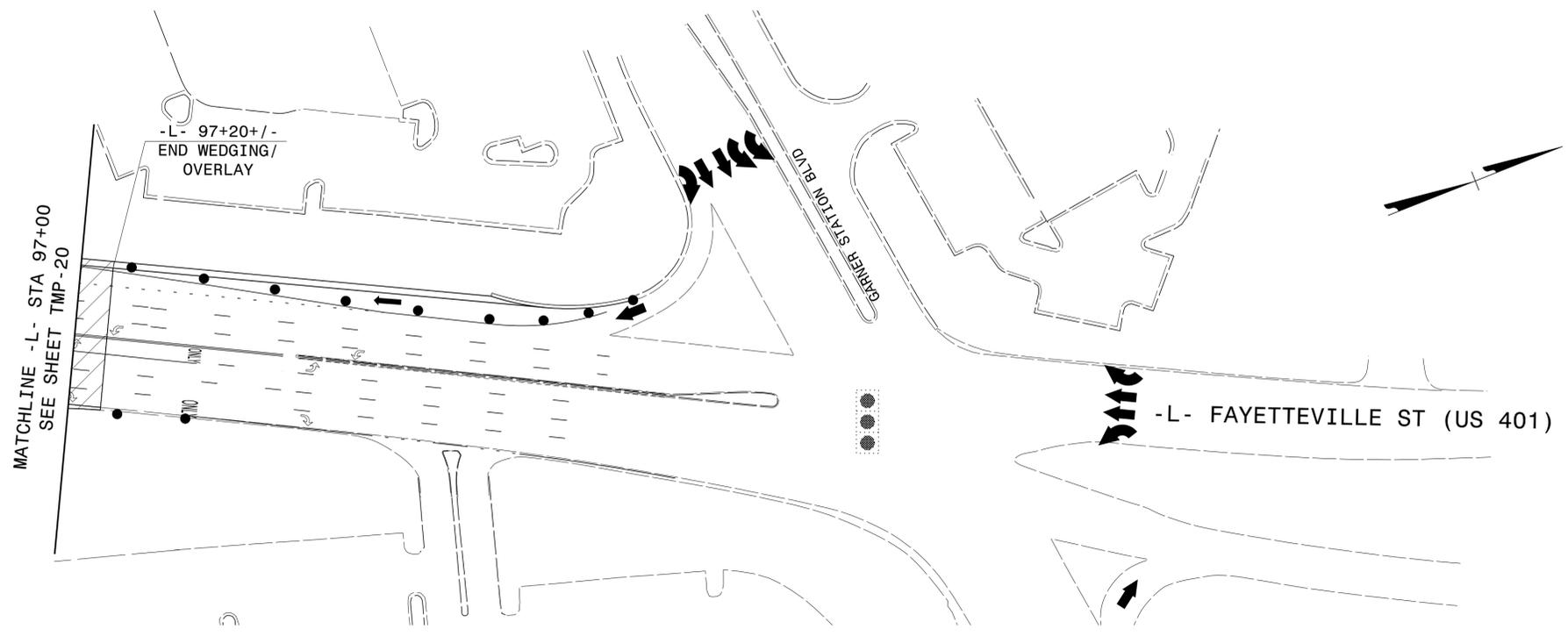
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**PHASE II
 DETAILS
 US 401
 -Y3- & -Y3A-**

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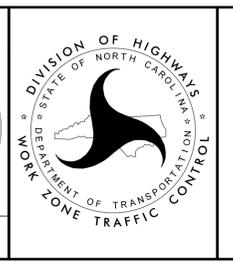
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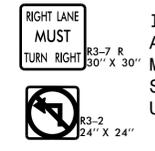
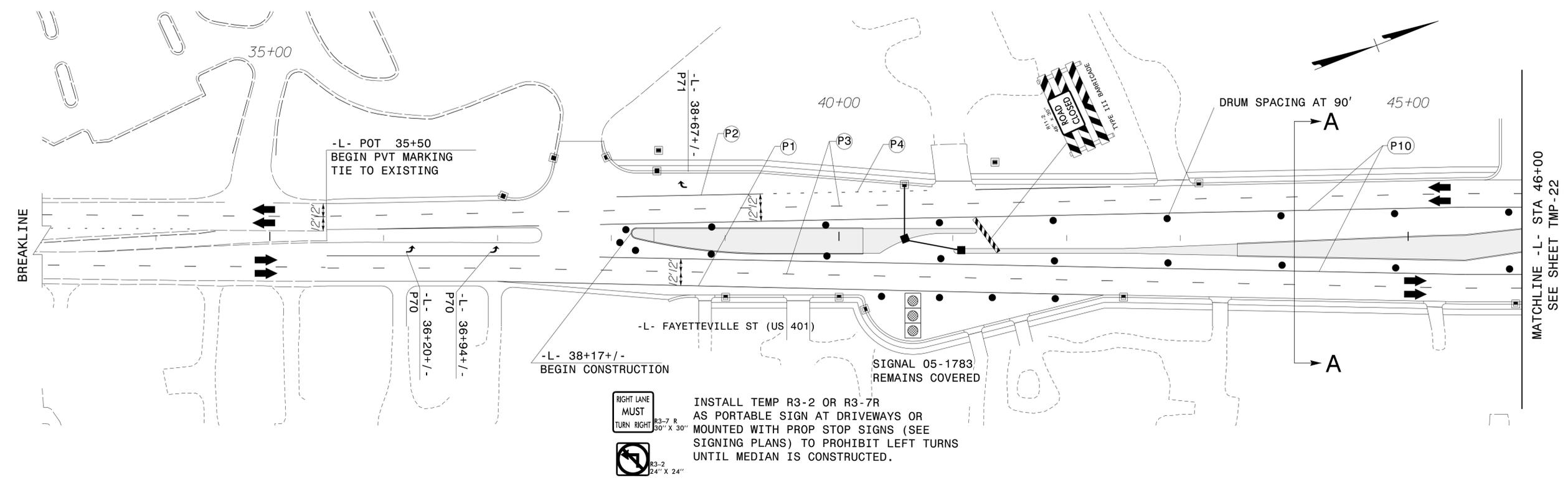
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 ENGINEER
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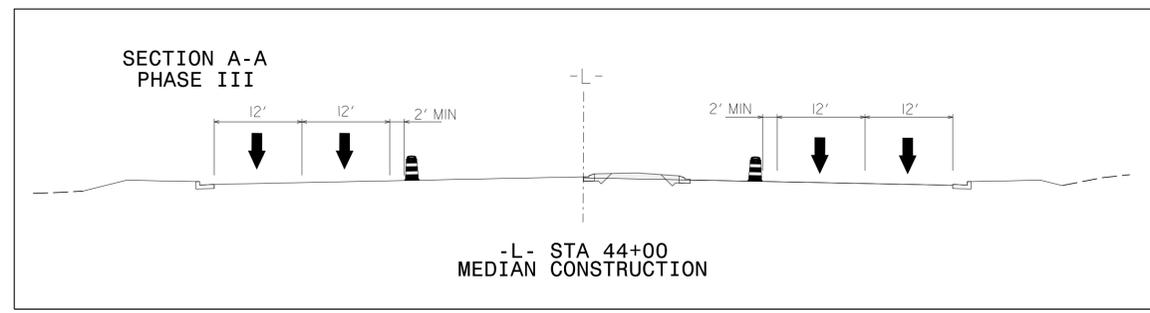
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**PHASE II
 DETAILS
 US 401**



INSTALL TEMP R3-2 OR R3-7R AS PORTABLE SIGN AT DRIVEWAYS OR MOUNTED WITH PROP STOP SIGNS (SEE SIGNING PLANS) TO PROHIBIT LEFT TURNS UNTIL MEDIAN IS CONSTRUCTED.



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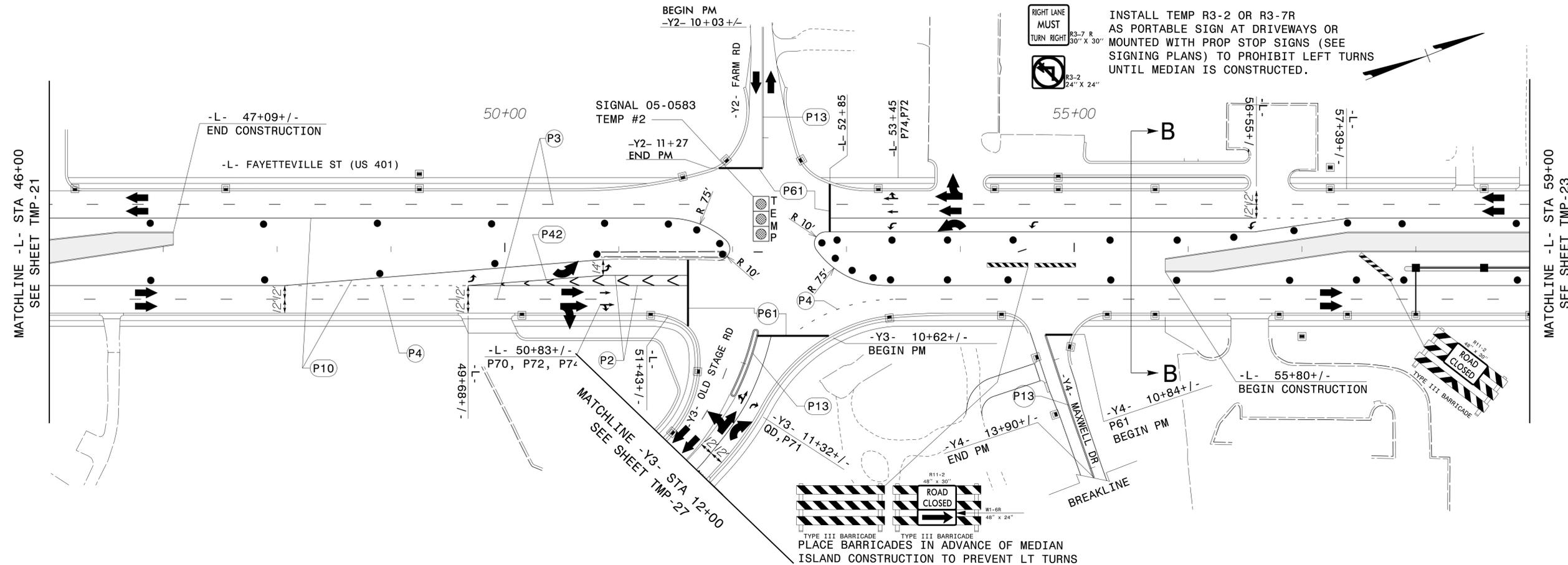
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**PHASE III
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 US 401**



 WORK ZONE

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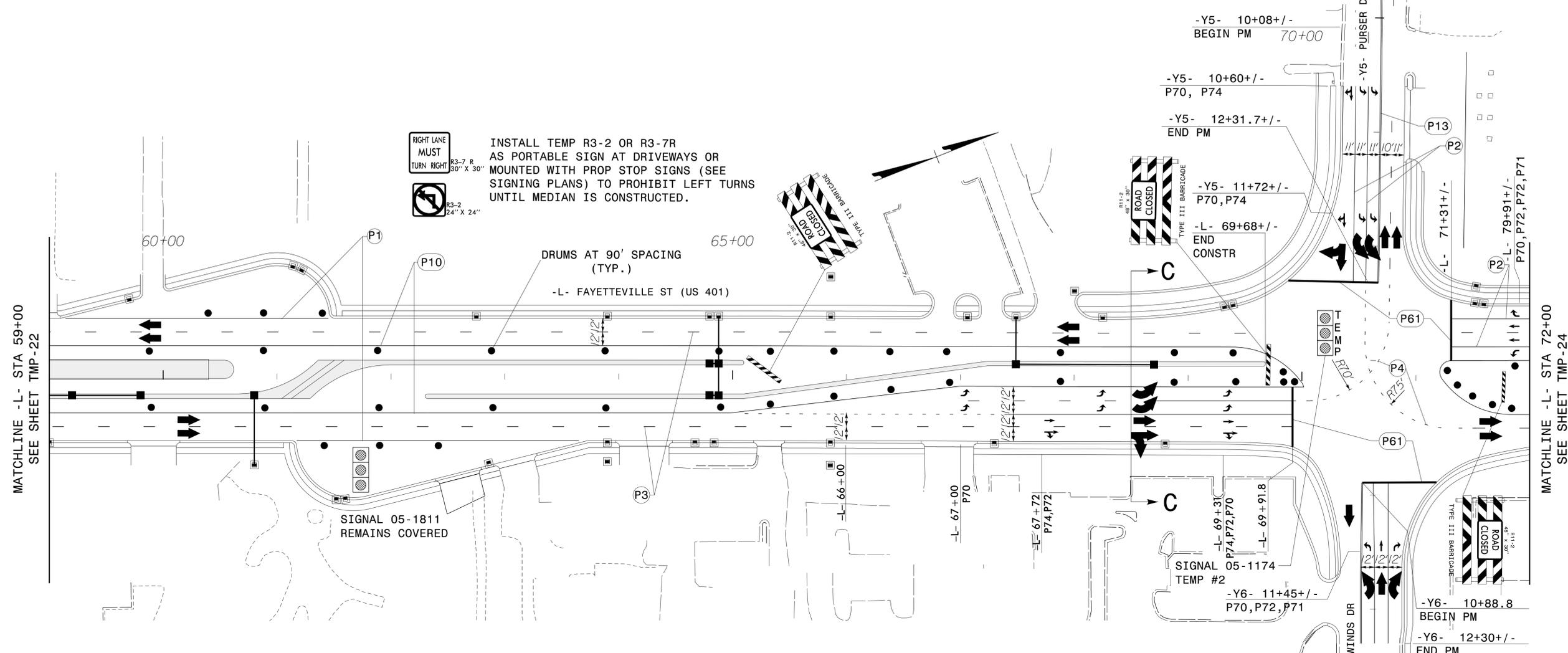
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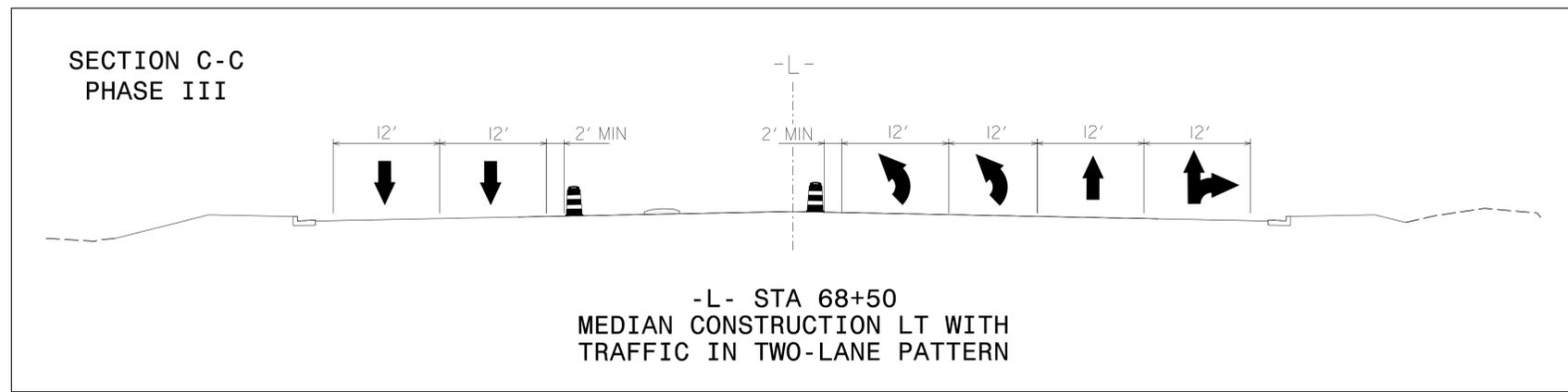


**PHASE III
 DETAILS
 US 401**



MATCHLINE -L- STA 59+00
SEE SHEET TMP-22

MATCHLINE -L- STA 72+00
SEE SHEET TMP-24



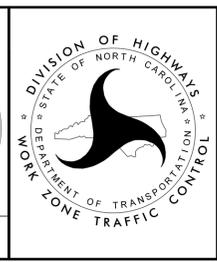
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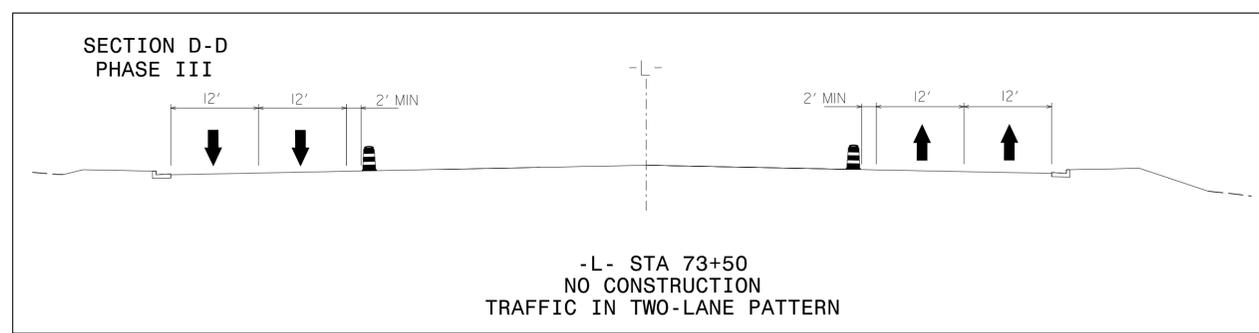
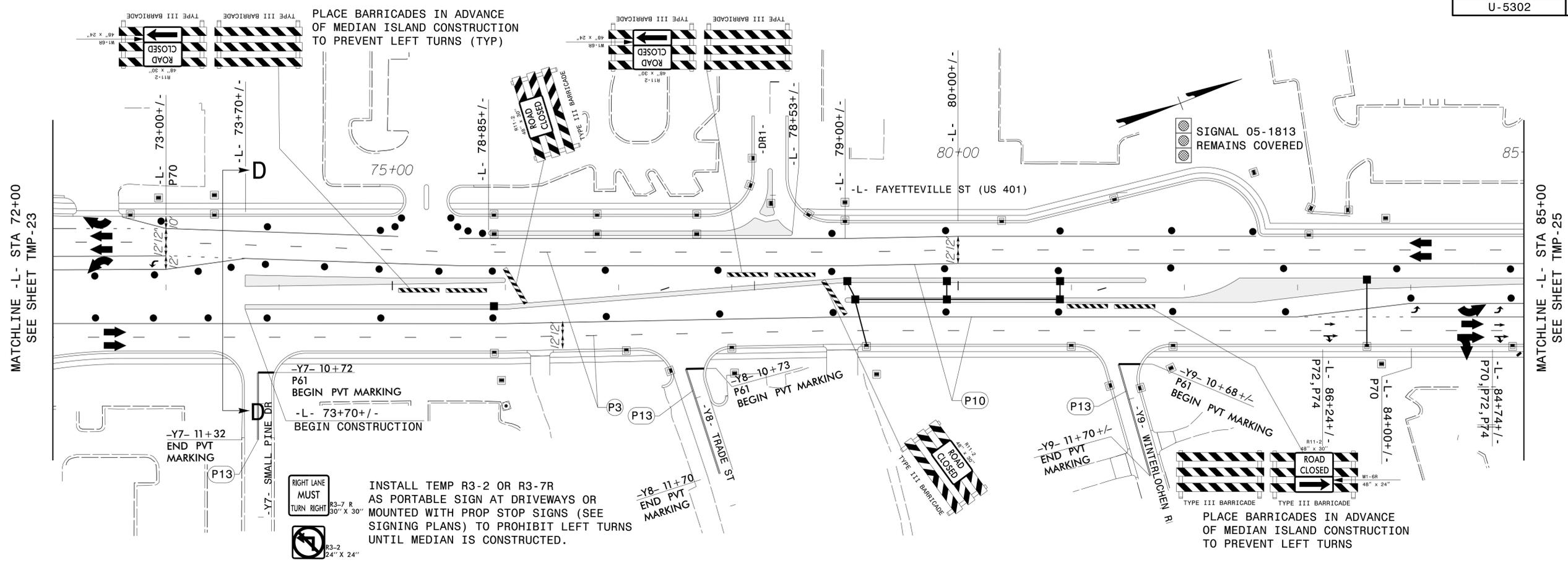
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 ENGINEER
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**PHASE III
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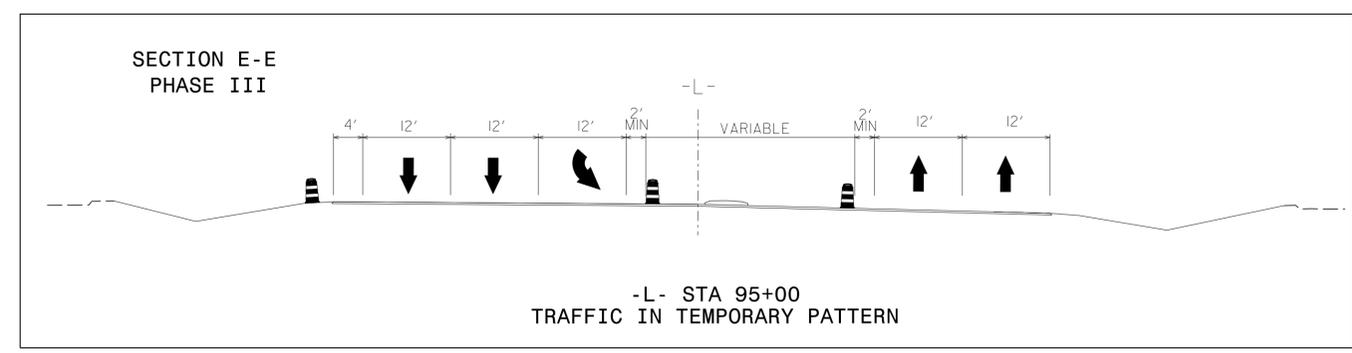
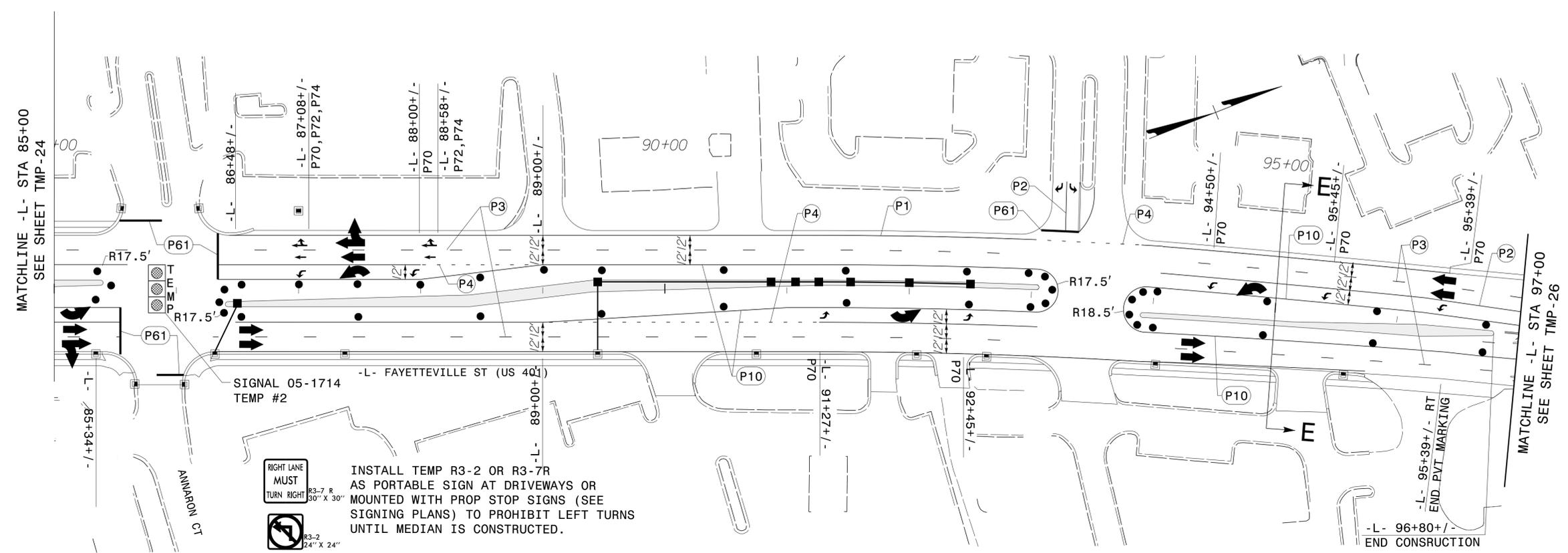
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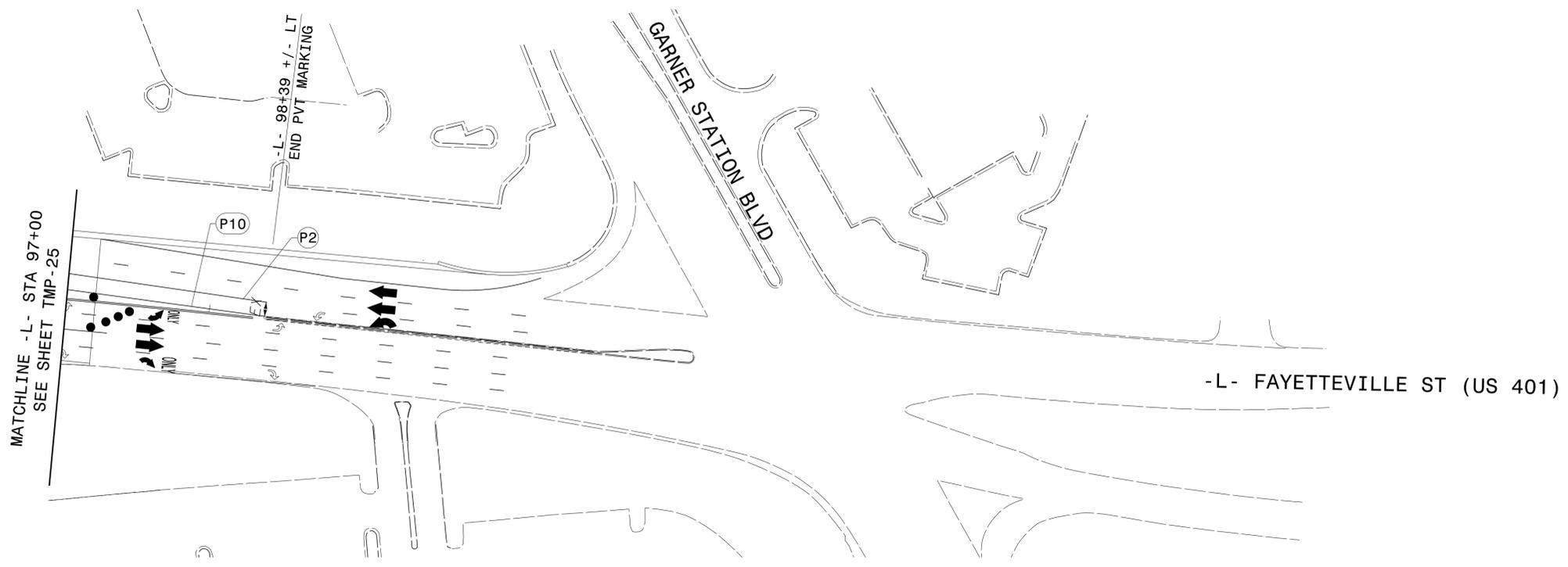
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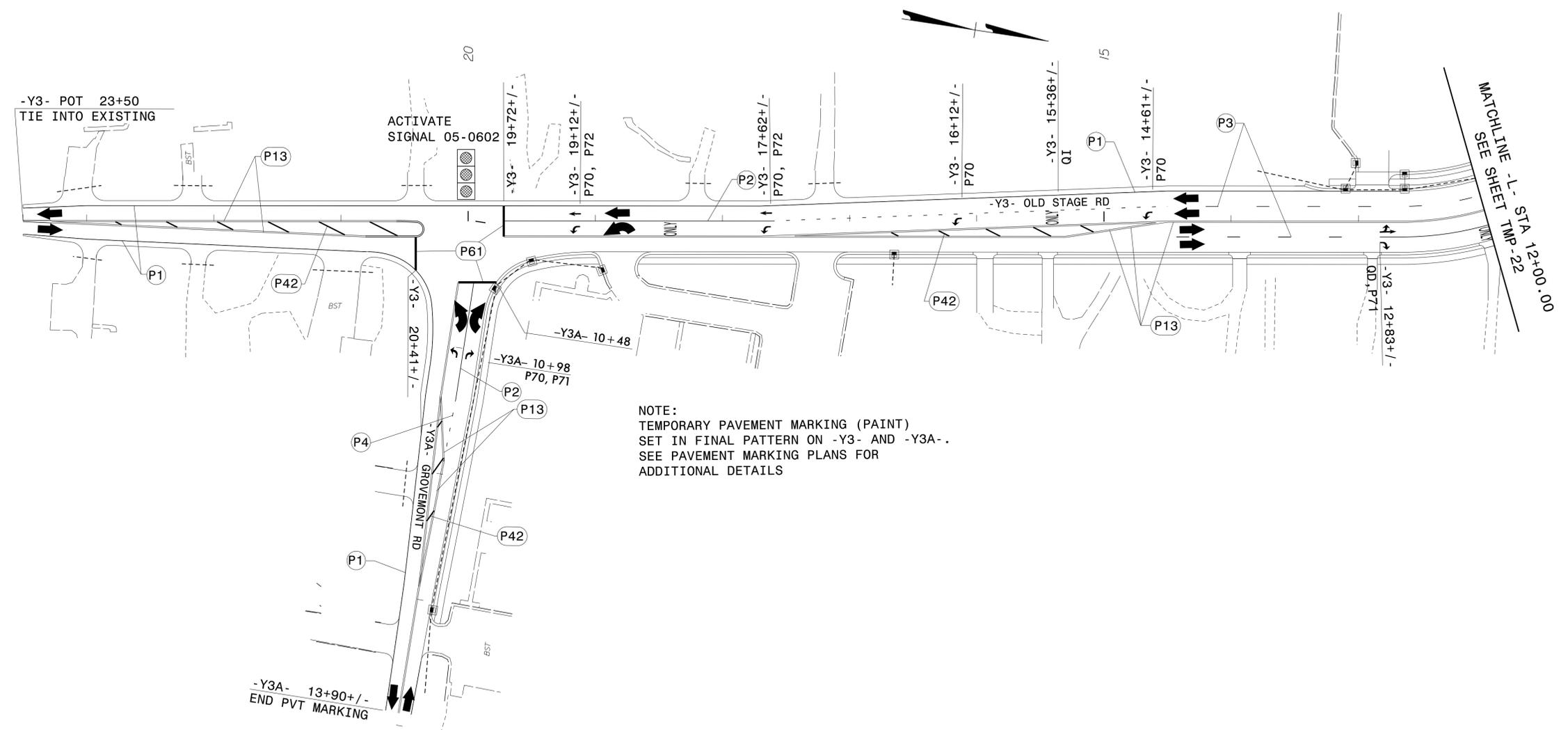
SEAL
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 JEFFREY A. KOONTZ



**PHASE III
 DETAILS
 US 401**

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User:patrick.mcpherson



NOTE:
 TEMPORARY PAVEMENT MARKING (PAINT)
 SET IN FINAL PATTERN ON -Y3- AND -Y3A-.
 SEE PAVEMENT MARKING PLANS FOR
 ADDITIONAL DETAILS

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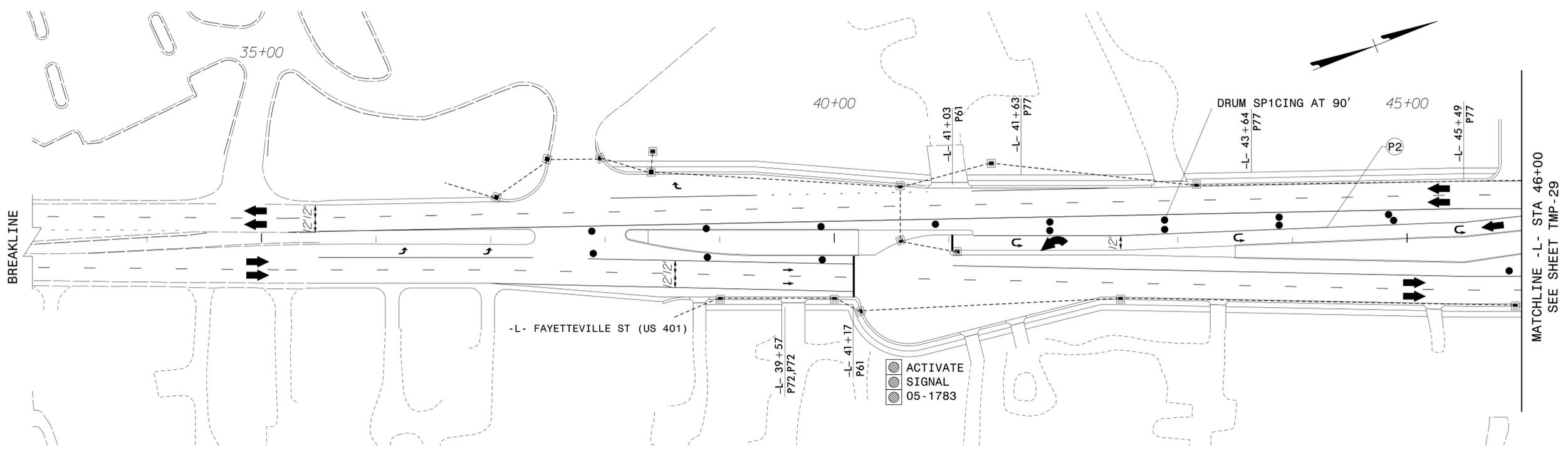
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**PHASE III
 DETAILS
 OLD STAGE ROAD**

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- ACTIVATE SIGNAL
- 05-1783

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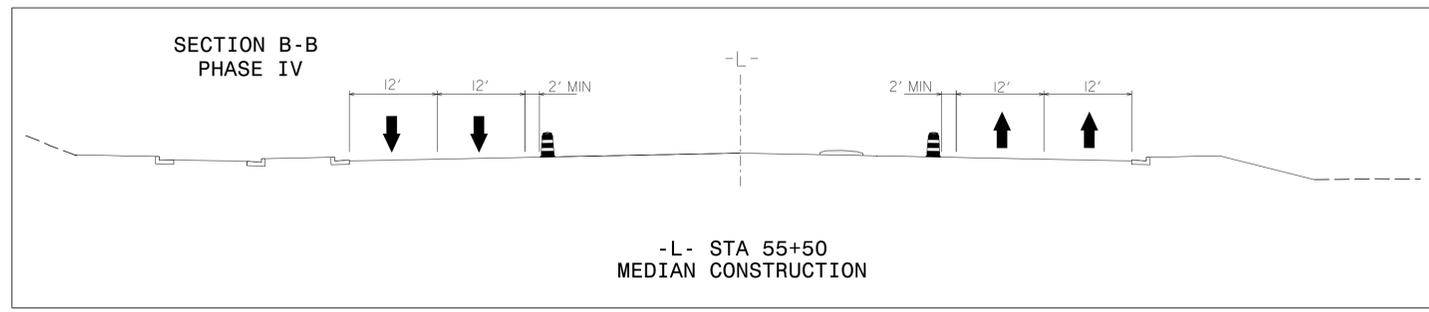
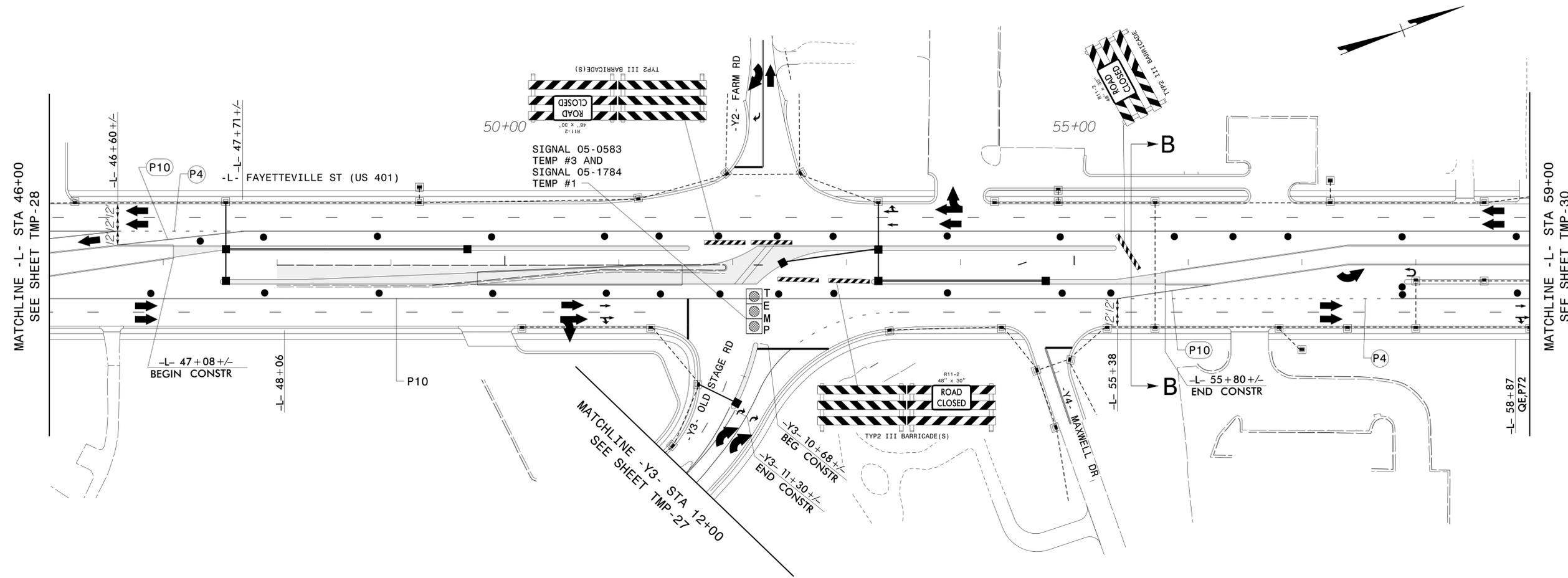
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**PHASE IV
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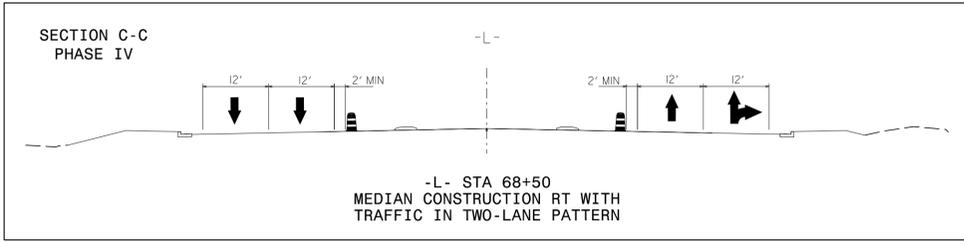
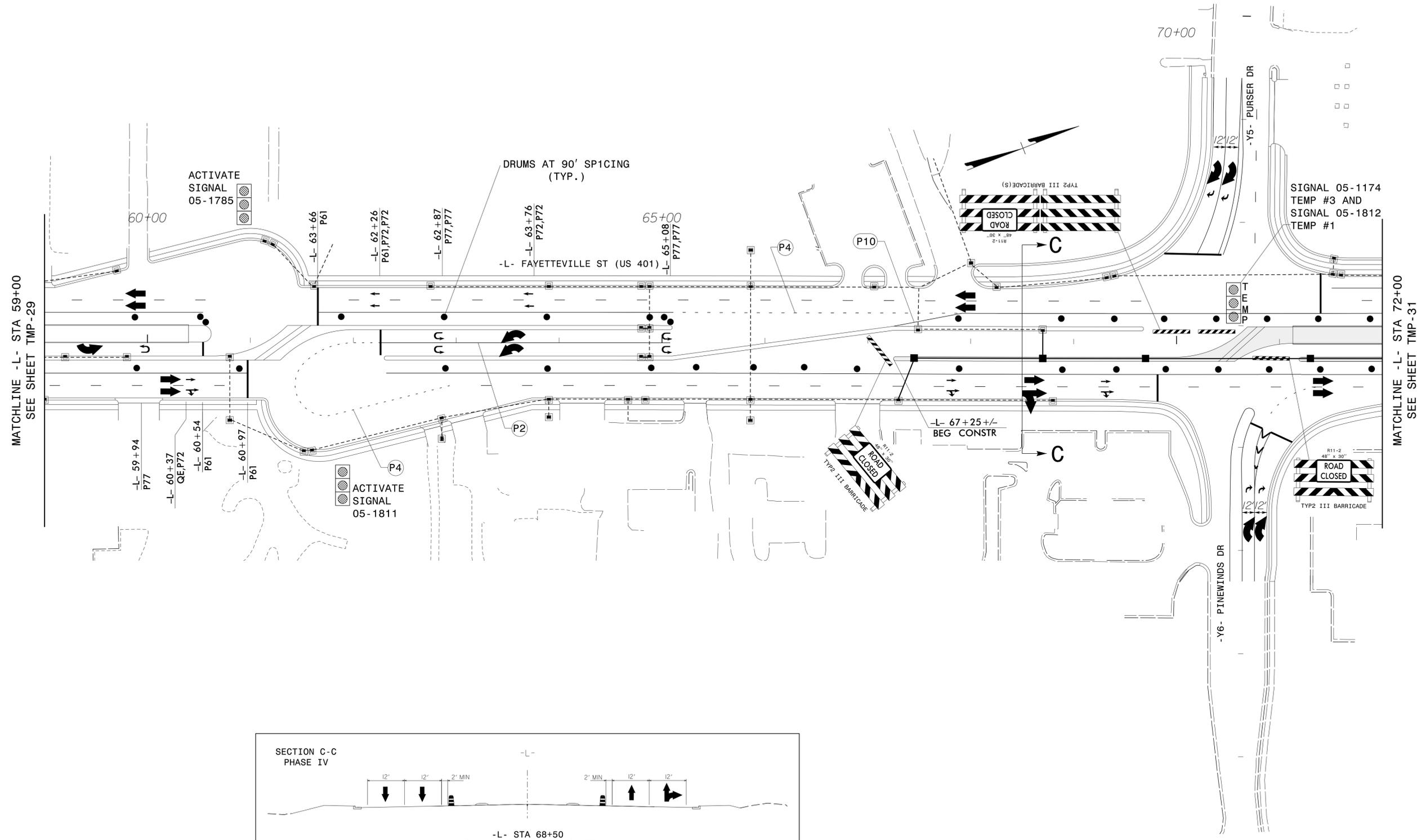
APPROVED: *Jeff Kooty*
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**PHASE IV
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**PHASE IV
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