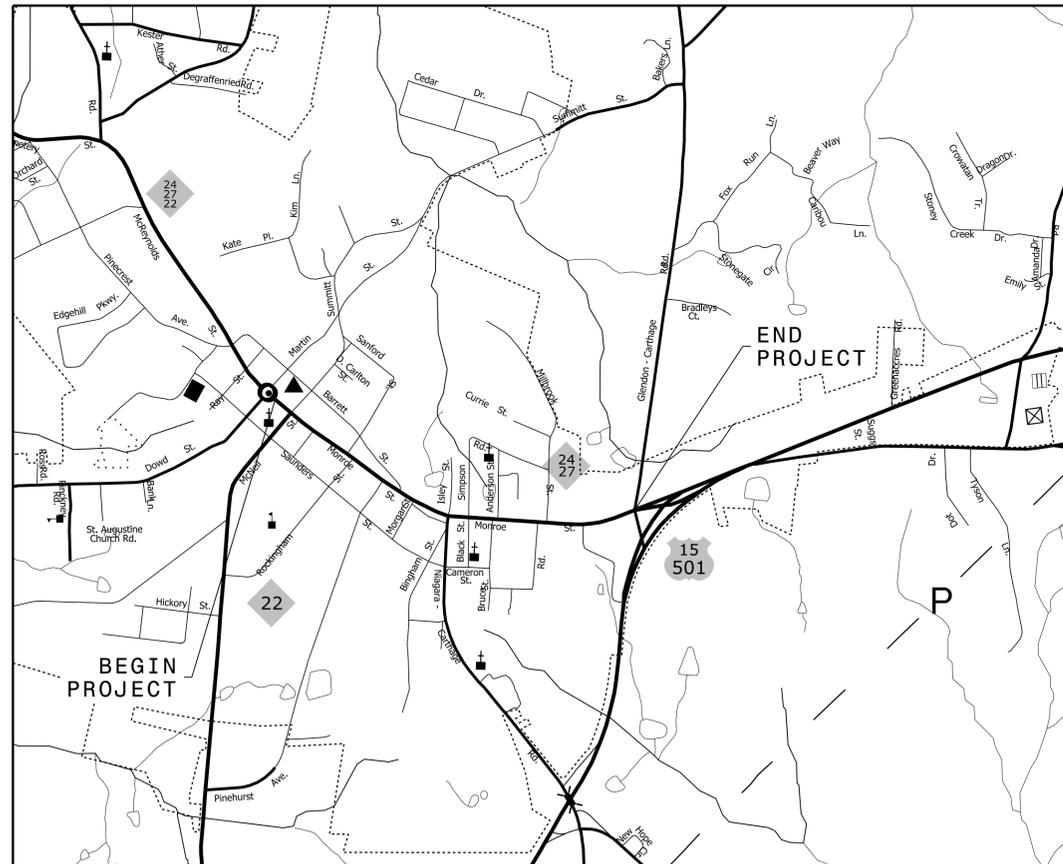


STATE OF NORTH CAROLINA
DIVISION OF HIGHWAYS

TRANSPORTATION MANAGEMENT PLAN

MOORE

**LOCATION: NC 24-27 (MONROE STREET) FROM WEST OF
NC 22 TO US 15 / 501 IN CARTHAGE**



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, AND LEGEND
TMP-1B & TMP-1C	TRANSPORTATION OPERATIONS PLAN: (MANAGEMENT STRATEGIES, GENERAL NOTES, AND LOCAL NOTES)
TMP-2	TEMPORARY TRAFFIC CONTROL PHASING
TMP-3 THRU TMP-7	TEMPORARY TRAFFIC CONTROL PHASE I STEP 2 DETAILS
TMP-8 THRU TMP-12	TEMPORARY TRAFFIC CONTROL PHASE I STEP 3 DETAILS
TMP-13 THRU TMP-17	TEMPORARY TRAFFIC CONTROL PHASE II DETAILS

SHEET NO.
TMP-1

U-3628

TIP PROJECT:

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PLANS PREPARED BY:

CHRIS SILVER
PROJECT MANAGER

KEVIN BISBY
SENIOR PROJECT ENGINEER

NCDOT CONTACTS:

GREG S. DAVIS
DIVISION 8
PROJECT ENGINEER



RK&K
P: (919) 878-9560
8601 Six Forks Road, Forum 1, Suite 700
Raleigh, North Carolina 27615-3960
NC License No. F-0112
Engineers | Construction Managers | Planners | Scientists
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APPROVED: Christopher R. Silver

DATE: 7/7/2025

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csilver

ROADWAY STANDARD DRAWINGS

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

STD. NO.	TITLE
1101.01	WORK ZONE ADVANCE WARNING SIGNS
1101.02	TEMPORARY LANE 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	DRUM
1135.01	CONES
1145.01	BARRICADES
1150.01	FLAGGING DEVICES
1180.01	SKINNY-DRUM

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

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
- PEDESTRIAN CHANNELIZING DEVICE
- PEDESTRIAN CHANNELIZING DEVICE (EXISTING)
- PEDESTRIAN CHANNELIZING DEVICE (SECTION VIEW)
- DRUM (SECTION VIEW)

TEMPORARY SIGNING

- PORTABLE SIGN
- STATIONARY SIGN
- STATIONARY OR PORTABLE SIGN

TEMPORARY PAVEMENT MARKINGS

- P1 WHITE EDGELINE (4")
- P2 WHITE SOLID LANE LINE (4")
- P4 3 FT - 9 FT/SP WHITE MINISKIP (4")
- P5 2 FT - 6 FT/SP WHITE MINISKIP (4")
- P11 YELLOW SINGLE CENTER (4")
- P12 10 FT YELLOW SKIP (4")
- P13 YELLOW DOUBLE CENTER (4")
- P42 YELLOW DIAGONAL (8")
- P70 LEFT TURN ARROW
- P74 COMBO RIGHT/STRAIGHT ARROW

6/24/2025 U-3628-TMP-PSHOIA - RSD - LEGEND.dgn csliver

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TRAFFIC MANAGEMENT STRATAGIES

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

RECOMMENDED STRATEGIES:

- TRAFFIC MANAGEMENT STRATEGIES:
- LANE SHIFTS OR CLOSURES
 - ONE-LANE, TWO WAY OPERATION (FLAGGING)
 - NIGHT WORK
 - WEEKEND WORK
 - WORK HOUR RESTRICTIONS FOR PEAK TRAVEL
 - PEDESTRIAN / BICYCLE ACCOMMODATIONS

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

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

TIME RESTRICTIONS

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

ROAD NAME	DAY AND TIME RESTRICTIONS
NC 27/24 (Monroe St.) And All Side Streets	Monday Thru Friday 6:00AM to 8:00 PM

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

ROAD NAME

NC 27/24 (Monroe St.)

HOLIDAY

1. FOR ANY UNEXPECTED OCCURRENCE THAT CREATES UNUSUALLY HIGH TRAFFIC VOLUMES, AS DIRECTED BY THE ENGINEER.

2. FOR NEW YEAR'S, BETWEEN THE HOURS OF 6:00AM DECEMBER 31ST TO 8:00PM JANUARY 2ND. IF NEW YEAR'S DAY IS ON A FRIDAY, SATURDAY, SUNDAY, OR MONDAY THEN UNTIL 8:00PM THE FOLLOWING TUESDAY.
3. FOR EASTER, BETWEEN THE HOURS OF 6:00AM THURSDAY AND 8:00PM MONDAY.
4. FOR MEMORIAL DAY, BETWEEN THE HOURS OF 6:00AM FRIDAY TO 8:00PM TUESDAY.
5. FOR INDEPENDENCE DAY, BETWEEN THE HOURS OF 6:00AM THE DAY BEFORE INDEPENDENCE DAY AND 8:00PM THE DAY AFTER INDEPENDENCE DAY.

IF INDEPENDENCE DAY IS ON A FRIDAY, SATURDAY, SUNDAY, OR MONDAY THEN BETWEEN THE HOURS OF 6:00AM THE THURSDAY BEFORE INDEPENDENCE DAY AND 8:00PM THE TUESDAY AFTER INDEPENDENCE DAY.
6. FOR LABOR DAY, BETWEEN THE HOURS OF 6:00AM FRIDAY AND 8:00PM TUESDAY.
7. FOR THANKSGIVING DAY, BETWEEN THE HOURS OF 6:00AM TUESDAY TO 8:00PM MONDAY.
8. FOR CHRISTMAS, BETWEEN THE HOURS OF 6:00AM THE FRIDAY BEFORE THE WEEK OF CHRISTMAS DAY AND 8:00PM THE FOLLOWING TUESDAY AFTER THE WEEK OF CHRISTMAS.
9. FOR CARTHAGE BUGGY FESTIVAL, BETWEEN THE HOURS OF 6:00 AM FRIDAY OF THE WEEK OF THE CARTHAGE BUGGY FESTIVAL AND 8:00 PM THE FOLLOWING MONDAY AFTER THE WEEK OF THE CARTHAGE BUGGY FESTIVAL.
10. FOR HOMECOMING PARADE, BETWEEN THE HOURS OF 6:00 AM THE WEDNESDAY OF OCTOBER 15TH AND 8:00 PM THE FOLLOWING THURSDAY OF OCTOBER 16TH AFTER THE HOMECOMING PARADE.
11. FOR CHRISTMAS PARADE, BETWEEN THE HOURS OF 6:00 AM THE SATURDAY OF DECEMBER 13TH AND 8:00 PM THE FOLLOWING SUNDAY OF DECEMBER 14TH AFTER THE CHRISTMAS PARADE.

C) DO NOT CLOSE ROADS AS FOLLOWS:

ROAD NAME	DAY AND TIME RESTRICTIONS
NC 27/24 (Monroe St.) And All Side Streets	Monday Thru Sunday

LANE AND SHOULDER CLOSURE REQUIREMENTS

- D) 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.
- E) 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.

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GENERAL NOTES (CONT.)

- F) WHEN PERSONNEL AND/OR EQUIPMENT ARE WORKING ON THE SHOULDER ADJACENT TO AN UNDIVIDED FACILITY AND WITHIN 5 FT OF AN OPEN TRAVEL LANE, CLOSE THE NEAREST OPEN TRAVEL LANE USING ROADWAY STANDARD DRAWING NO. 1101.02 UNLESS THE WORK AREA IS PROTECTED BY BARRIER OR GUARDRAIL.
- G) 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.
- H) 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.
- I) DO NOT INSTALL MORE THAN ONE MILE OF LANE CLOSURE ON NC 24/27 (Monroe St.) MEASURED FROM THE BEGINNING OF THE MERGE TAPER TO THE END OF THE LANE CLOSURE.
- J) DO NOT INSTALL MORE THAN ONE LANE CLOSURES IN ANY ONE DIRECTION ON US 24/27 (Monroe St.)

PAVEMENT EDGE DROP OFF REQUIREMENTS

- K) 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.

TRAFFIC PATTERN ALTERATIONS

- L) NOTIFY THE ENGINEER (30) CALENDAR DAYS PRIOR TO ANY TRAFFIC PATTERN ALTERATIONS.

SIGNING

- M) 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.

TRAFFIC CONTROL DEVICES

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

PAVEMENT MARKING AND MARKERS

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

ROAD NAME	MARKING	MARKER
ALL ROADS	PAINT	NONE

- P) 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.
- Q) TIE PROPOSED PAVEMENT MARKING LINES TO EXISTING PAVEMENT MARKINGS LINES.
- R) REMOVE/REPLACE AN CONFLICTING/DAMAGE PAVEMENT MARKINGS AND MARKERS BY THE END OF EACH DAY'S OPERATION

MISCELLANEOUS

- S) 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.
- T) CONTRACTOR SHALL MAINTAIN SIDEWALK ACCESS AT ALL TIMES AS STATED IN THE PHASING. CONTRACTOR SHALL BE RESPONSIBLE TO PROVIDE TEMPORARY SIDEWALKS (CONCRETE, ASPHALT, OR OTHER SUITABLE MATERIAL AS APPROVED BY THE ENGINEER) AT ALL LOCATIONS WHERE THE OPEN PEDESTRIAN TRAVELWAY HAS BEEN REMOVED FOR CONSTRUCTION OPERATIONS (UTILITIES, DRAINAGE, ETC.).
- U) PEDESTRIAN CHANNELIZING DEVICES SHALL BE MASH COMPLIANT.
- V) MAINTAIN ACCESS TO ALL LOCAL RESIDENCES AND BUSINESSES.

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TRAFFIC CONTROL PHASING

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RK&K
 P: (919) 878-8560
 8601 Six Forks Road, Forum 1, Suite 700
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PHASE I

STEP 1:
 ERECT WORK ZONE ADVANCE WARNING SIGNS ON -L- AND -Y- LINES WITHIN THE PROJECT LIMITS IN ACCORDANCE WITH ROADWAY STANDARD DRAWING NO. 1101.01.

AWAY FROM TRAFFIC, BEGIN CONSTRUCTION OF RIGHT SIDE OF -L-.

STEP 2:
 USING ROADWAY STANDARD DRAWING NO. 1101.02 TO MAINTAIN TRAFFIC, INSTALL PAVEMENT MARKINGS AND IN STREET PEDESTRIAN DETOUR ON THE RIGHT SIDE OF -L- FROM STA 19+91 TO STA 42+11, AS SHOWN ON TMP-4 TO TMP-7. PROVIDE ON-CALL TRANSPORT SERVICES FOR PEDESTRIANS WHEN IN STREET DETOUR CANNOT BE MAINTAINED (DRIVEWAY RECONSTRUCTION).

CONSTRUCT THE SIDEWALK ON RIGHT SIDE OF -L- FROM STA 20+41 TO STA 42+35.

OPEN THE SIDEWALK TO PEDESTRIAN TRAFFIC UPON COMPLETION AND REMOVE PEDESTRIAN DETOUR AND DEVICES FROM THE ROADWAY.

STEP 3:
 USING ROADWAY STANDARD DRAWING NO. 1101.02 TO MAINTAIN TRAFFIC, COMPLETE CONSTRUCTION OF THE RIGHT SIDE OF -L- FROM STA 34+36 TO STA 68+03.

MAINTAIN PEDESTRIANS ON PROPOSED SIDEWALK.
 WEDGE AS NEEDED TO MAINTAIN POSITIVE DRAINAGE.
 (SEE TMP-8 THROUGH 12)

PHASE II

USING ROADWAY STANDARD DRAWING NO. 1101.02, APPLY PAVEMENT MARKINGS AND SHIFT TRAFFIC INTO THE PATTERN SHOWN.

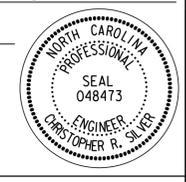
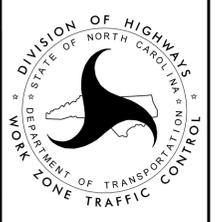
USING ROADWAY STANDARD DRAWING NO. 1101.02 TO MAINTAIN TRAFFIC, CONSTRUCT THE CURB AND GUTTER AND SIDEWALK ON LEFT SIDE OF -L- FROM STA 35+27 TO STA 65+05. (SEE TMP-13 THROUGH 17)
 WEDGE AS NEEDED TO MAINTAIN POSITIVE DRAINAGE.

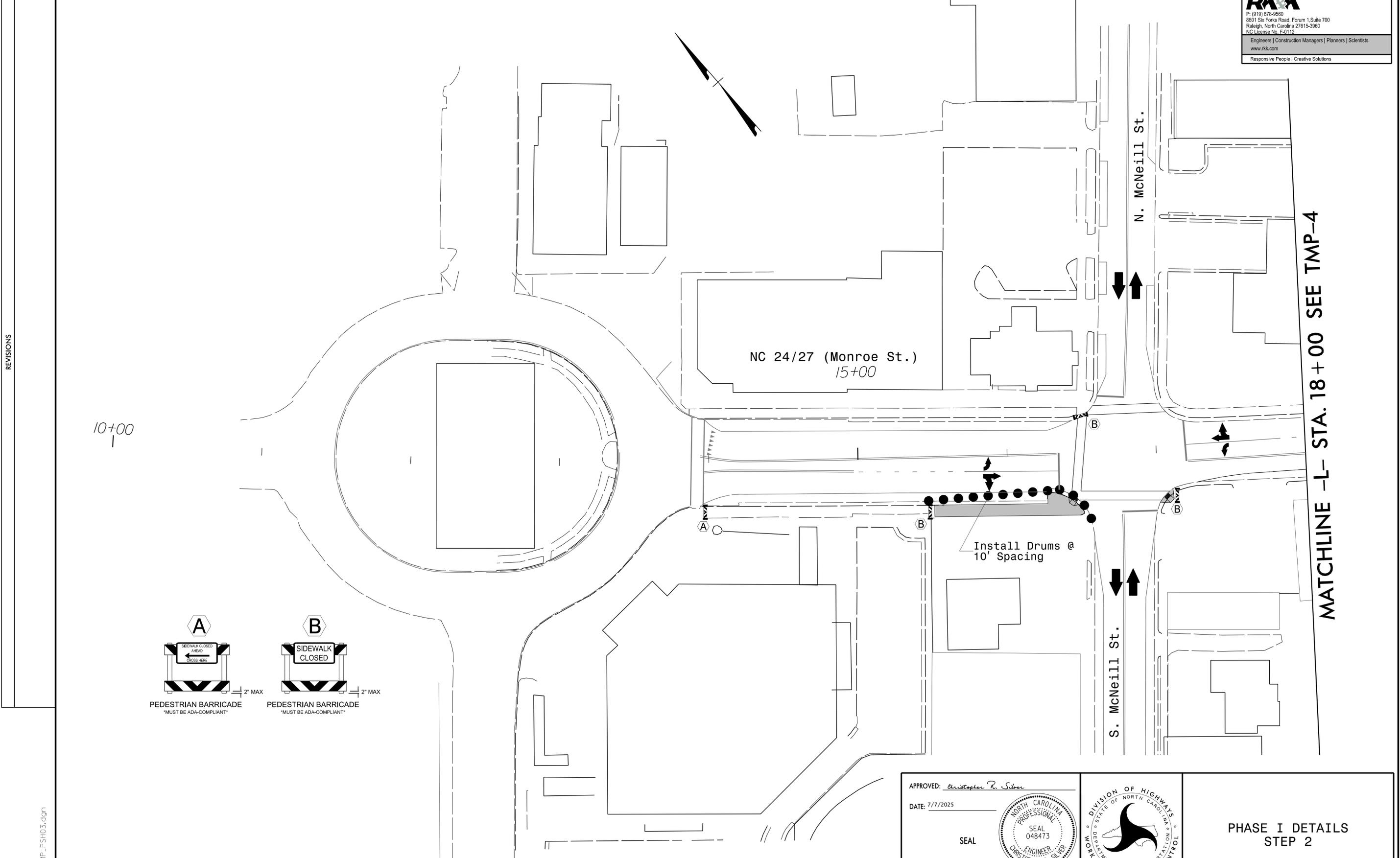
PHASE III (NOT SHOWN)

USING ROADWAY STANDARD DRAWING NO. 1101.02 TO MAINTAIN TRAFFIC, MILL AND OVERLAY THE EXISTING ROADWAY. WEDGE AS NEEDED TO ACHIEVE THE PROPOSED CROSS SECTION.

USING ROADWAY STANDARD DRAWING NO. 1101.02 TO MAINTAIN TRAFFIC, INSTALL PAVEMENT MARKINGS ACCORDING TO THE PAVEMENT MARKING PLANS, PLACE TRAFFIC IN THE FINAL PATTERN, AND REMOVE ALL TEMPORARY TRAFFIC CONTROL DEVICES.

6/25/2025
 U-3628-TMP-PSH02 - PHASING.dgn
 csilver

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REVISIONS

10+00

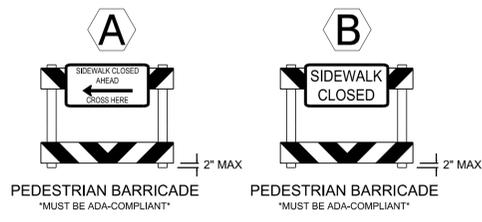
NC 24/27 (Monroe St.)
15+00

N. McNeill St.

S. McNeill St.

MATCHLINE -L- STA. 18+00 SEE TMP-4

Install Drums @
10' Spacing



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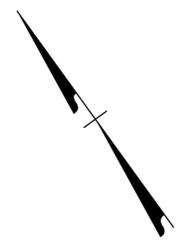
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PHASE I DETAILS
STEP 2

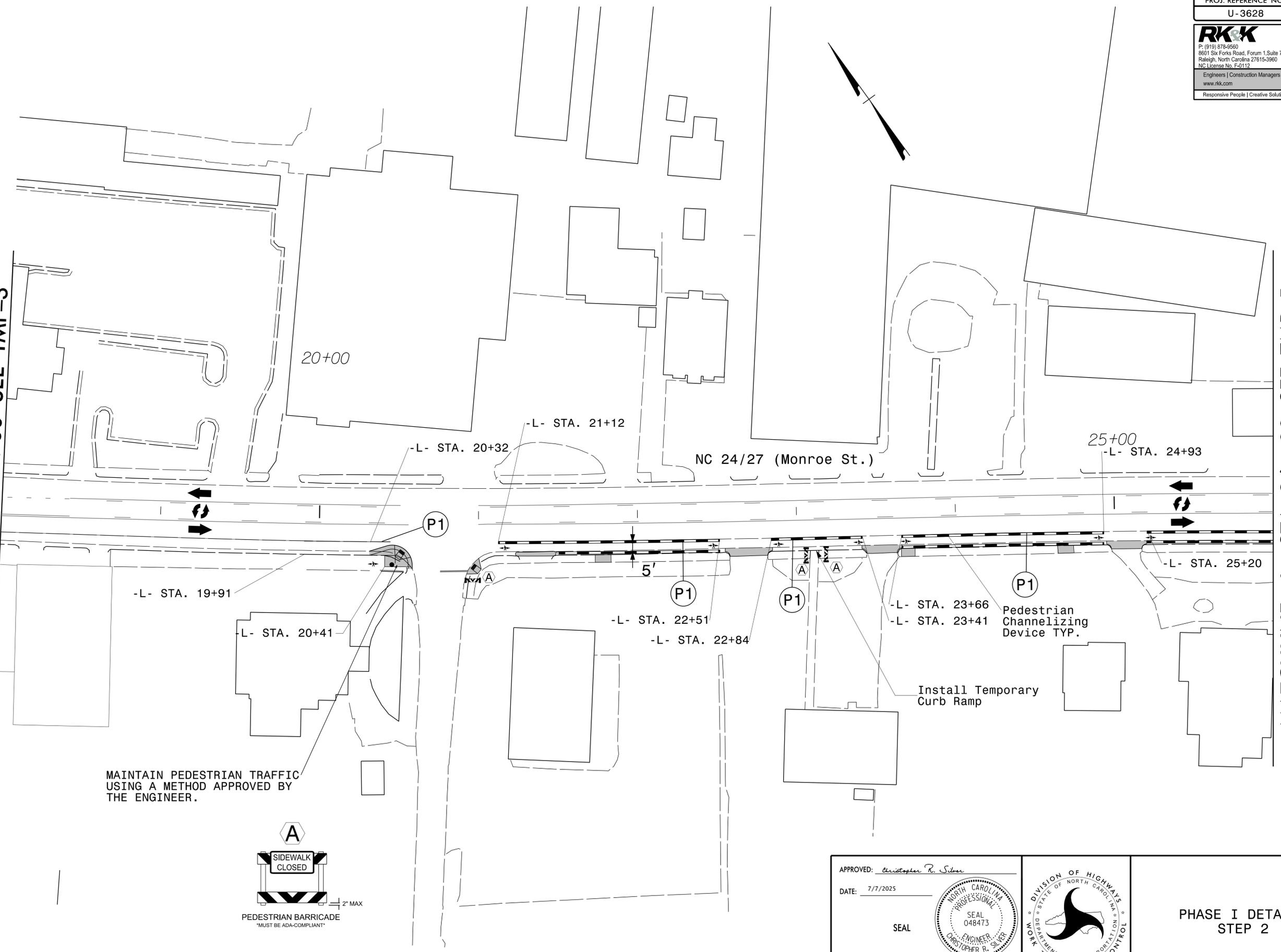
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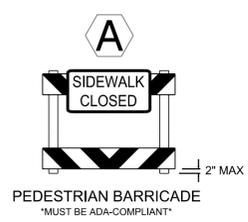


MATCHLINE -L- STA. 18 + 00 SEE TMP-3

MATCHLINE -L- STA. 26 + 00 SEE TMP-5



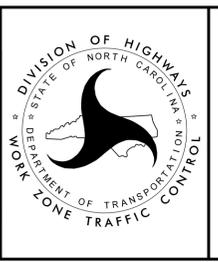
MAINTAIN PEDESTRIAN TRAFFIC USING A METHOD APPROVED BY THE ENGINEER.



REVISIONS

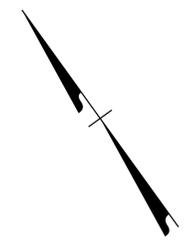
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 jmorris

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 SEAL
 NORTH CAROLINA PROFESSIONAL SEAL 048473
 ENGINEER CHRISTOPHER R. SILVER



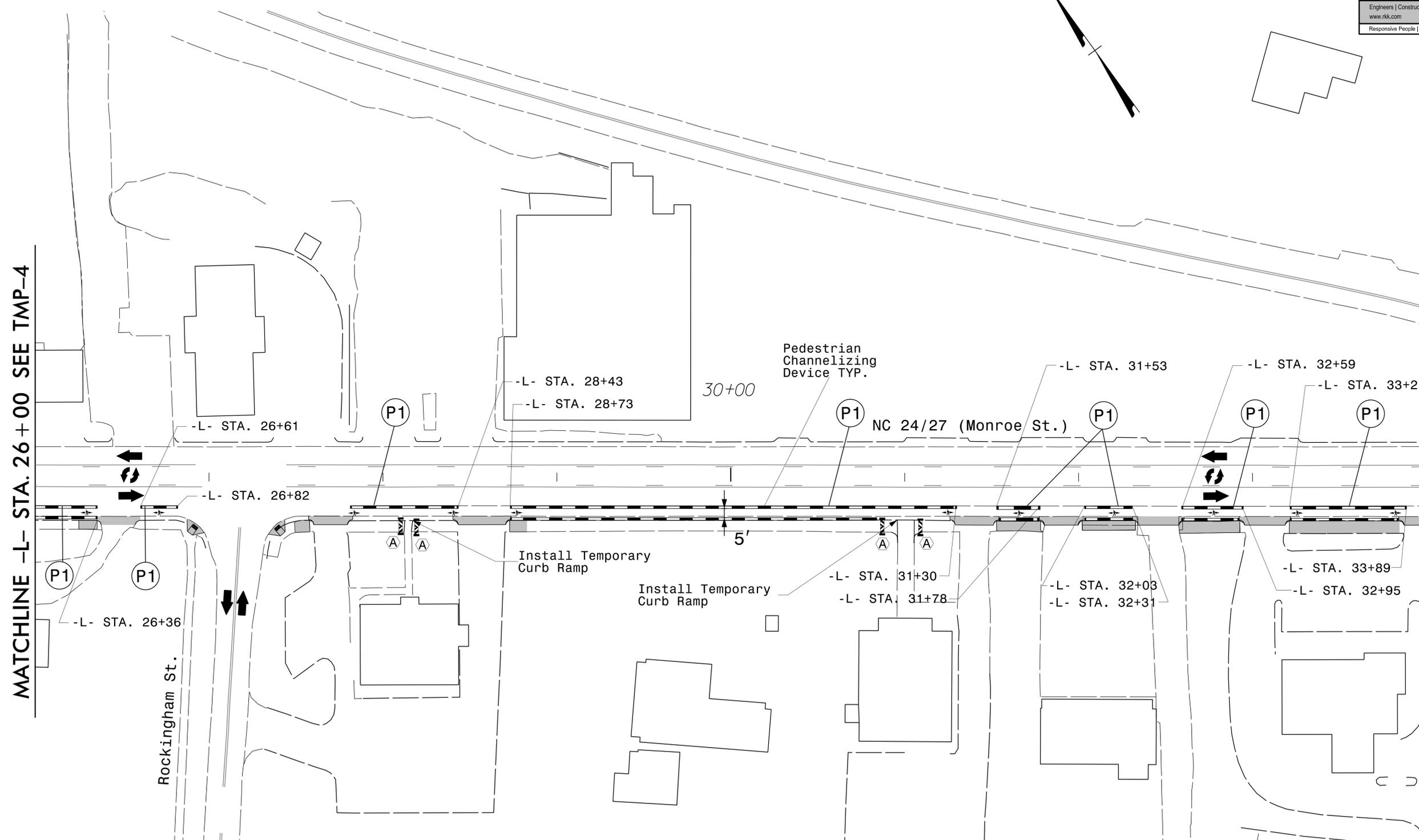
PHASE I DETAILS
 STEP 2

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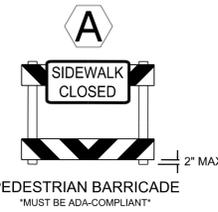


MATCHLINE -L- STA. 26 + 00 SEE TMP-4

MATCHLINE -L- STA. 34 + 00 SEE TMP-6



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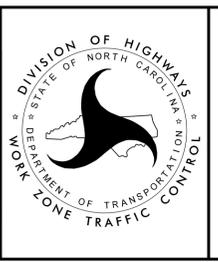


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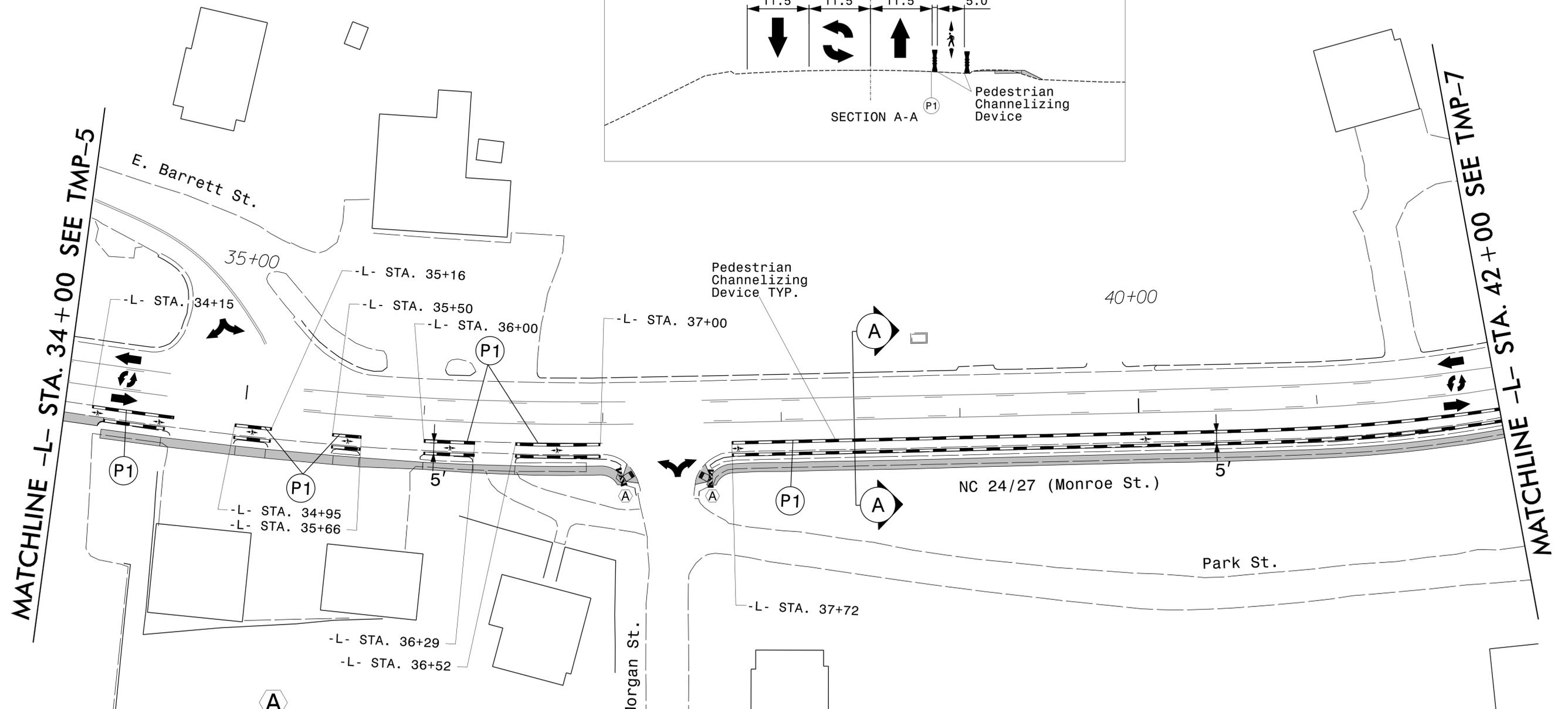
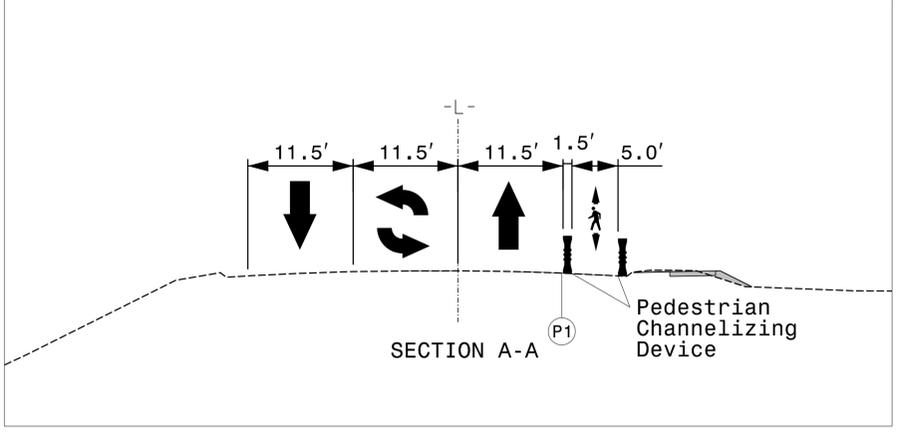
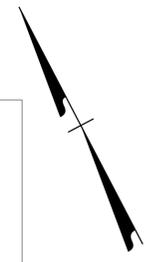
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**PHASE I DETAILS
STEP 2**



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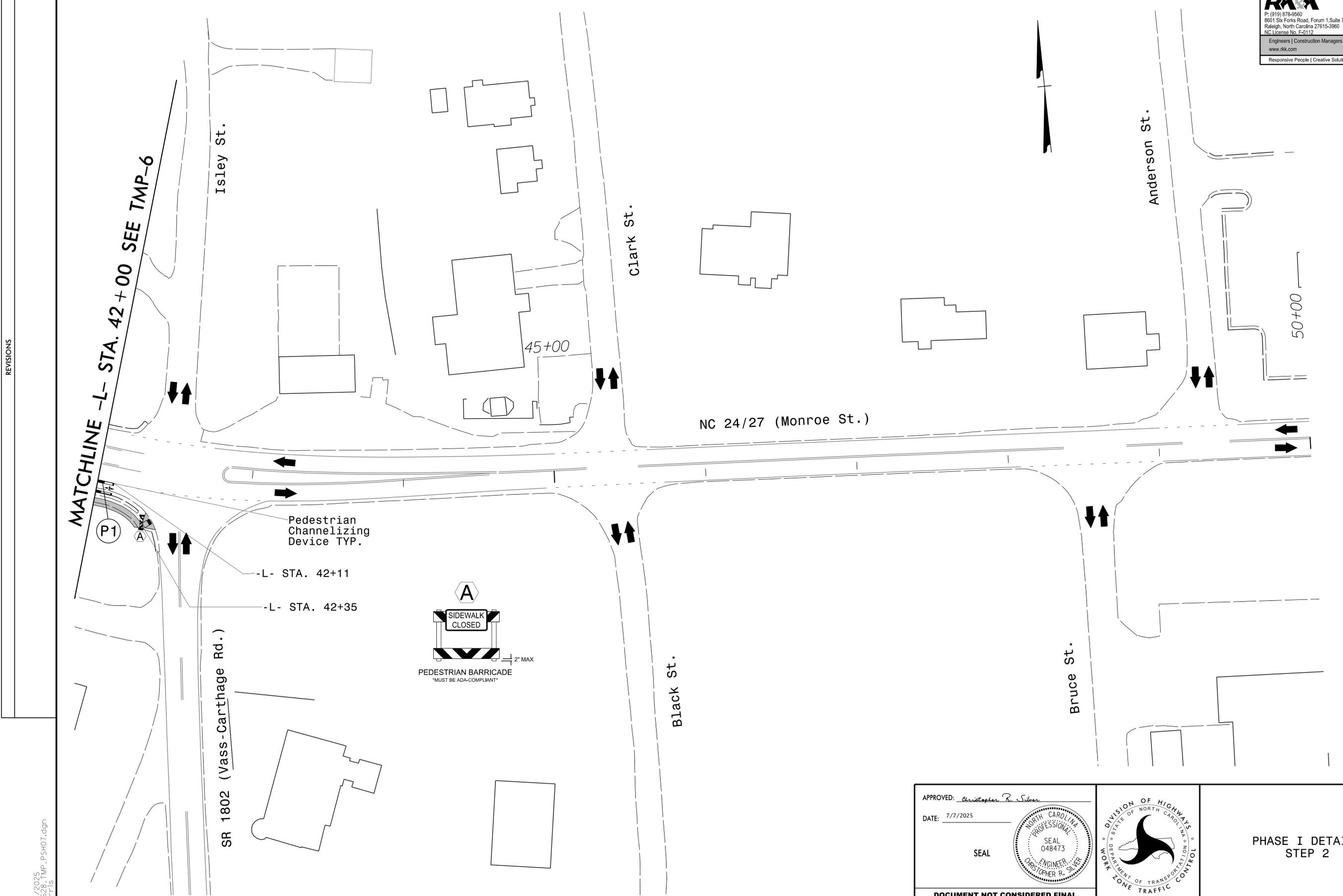
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PHASE I DETAILS
 STEP 2



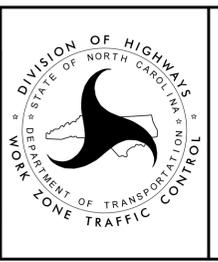
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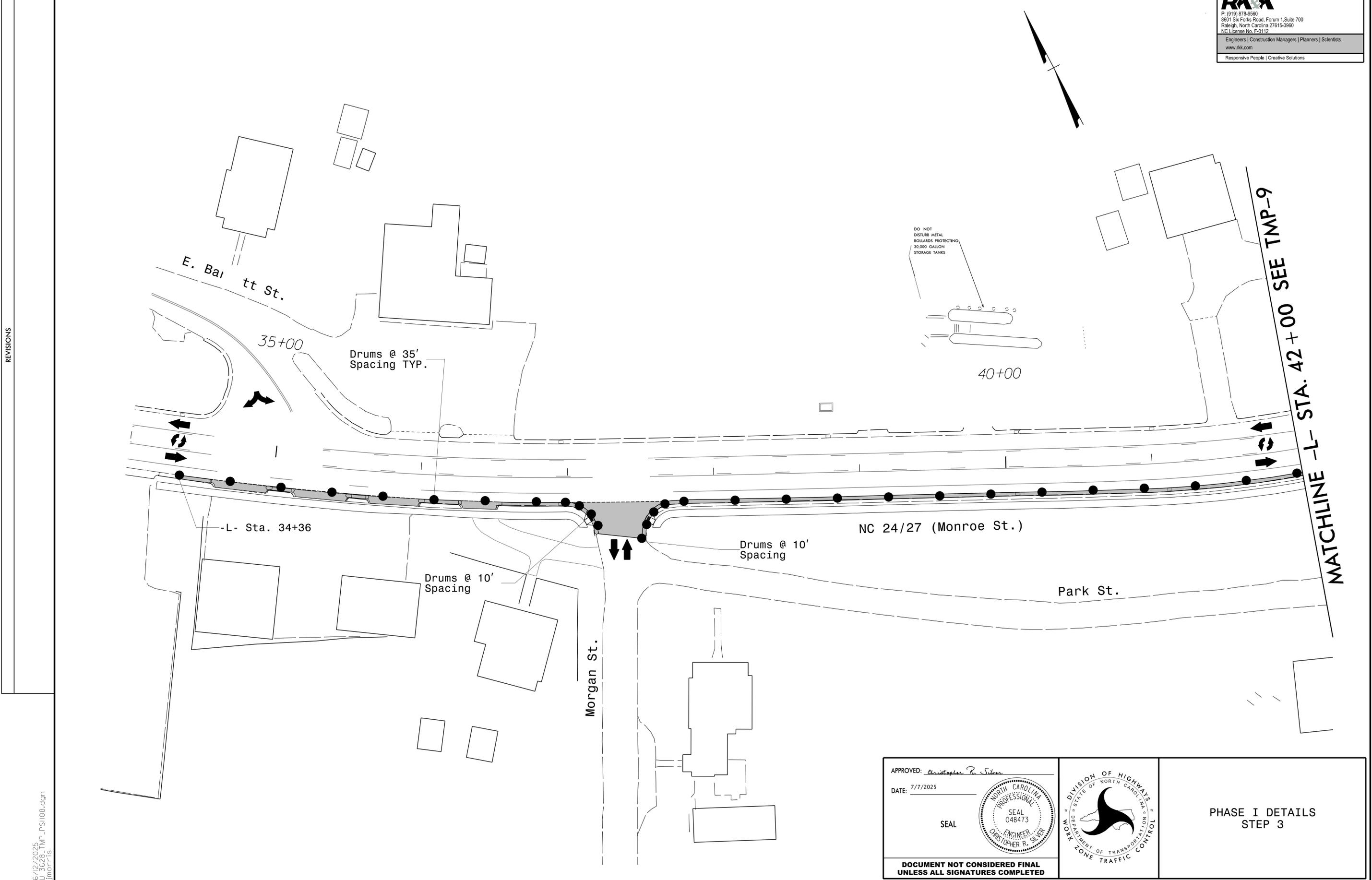
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 STATE OF NORTH CAROLINA
 DEPARTMENT OF TRANSPORTATION
 WORK ZONE TRAFFIC CONTROL

**PHASE I DETAILS
 STEP 2**



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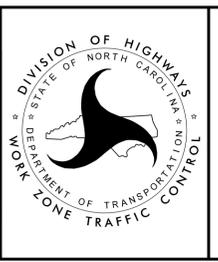
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jmorris

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SEAL

PROFESSIONAL SEAL
 048473
 ENGINEER
 CHRISTOPHER R. SILVER

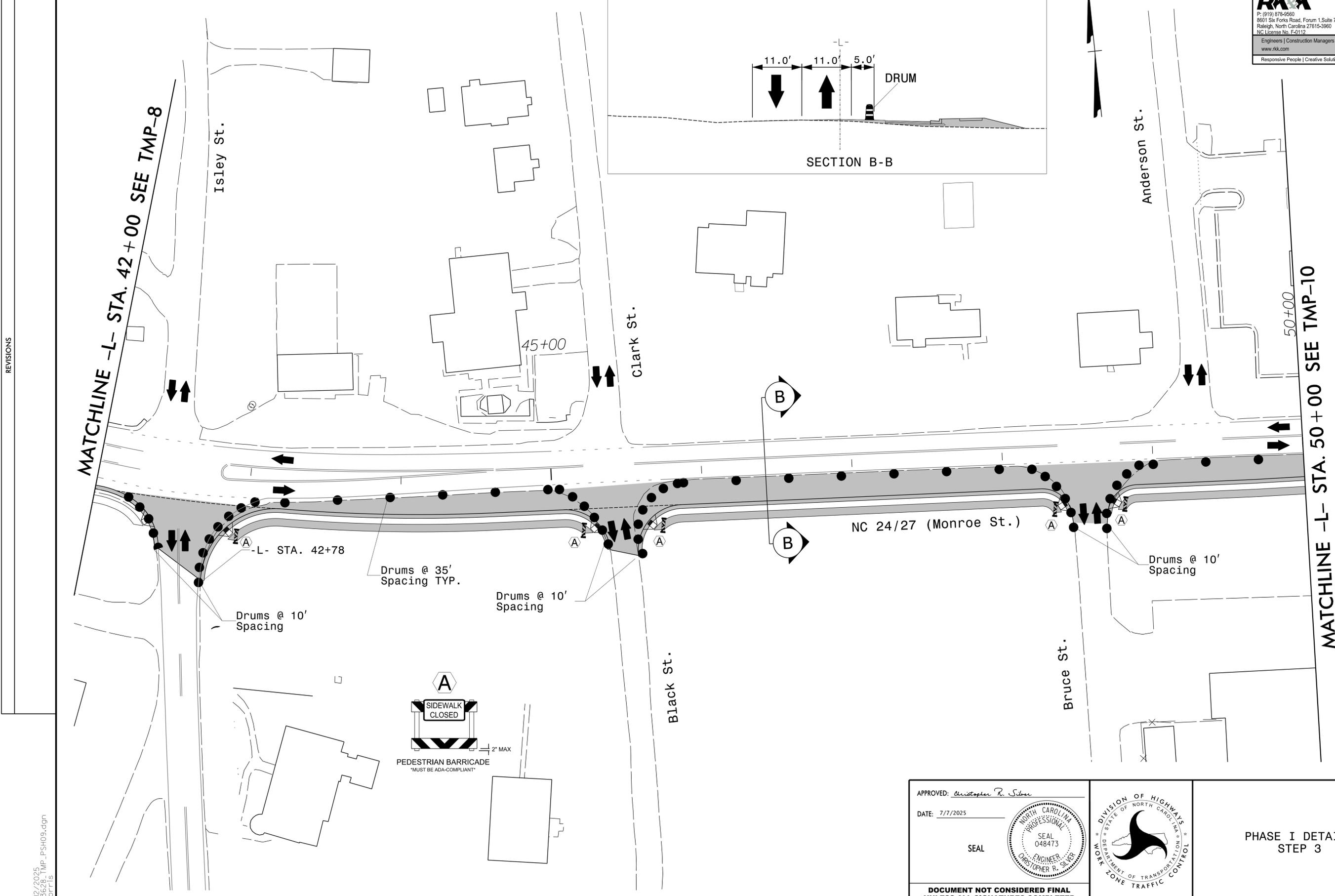
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PHASE I DETAILS
 STEP 3

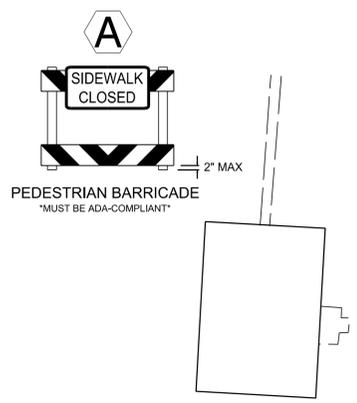
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 8601 Six Forks Road, Forum 1, Suite 700
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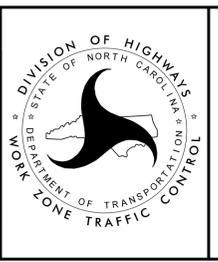


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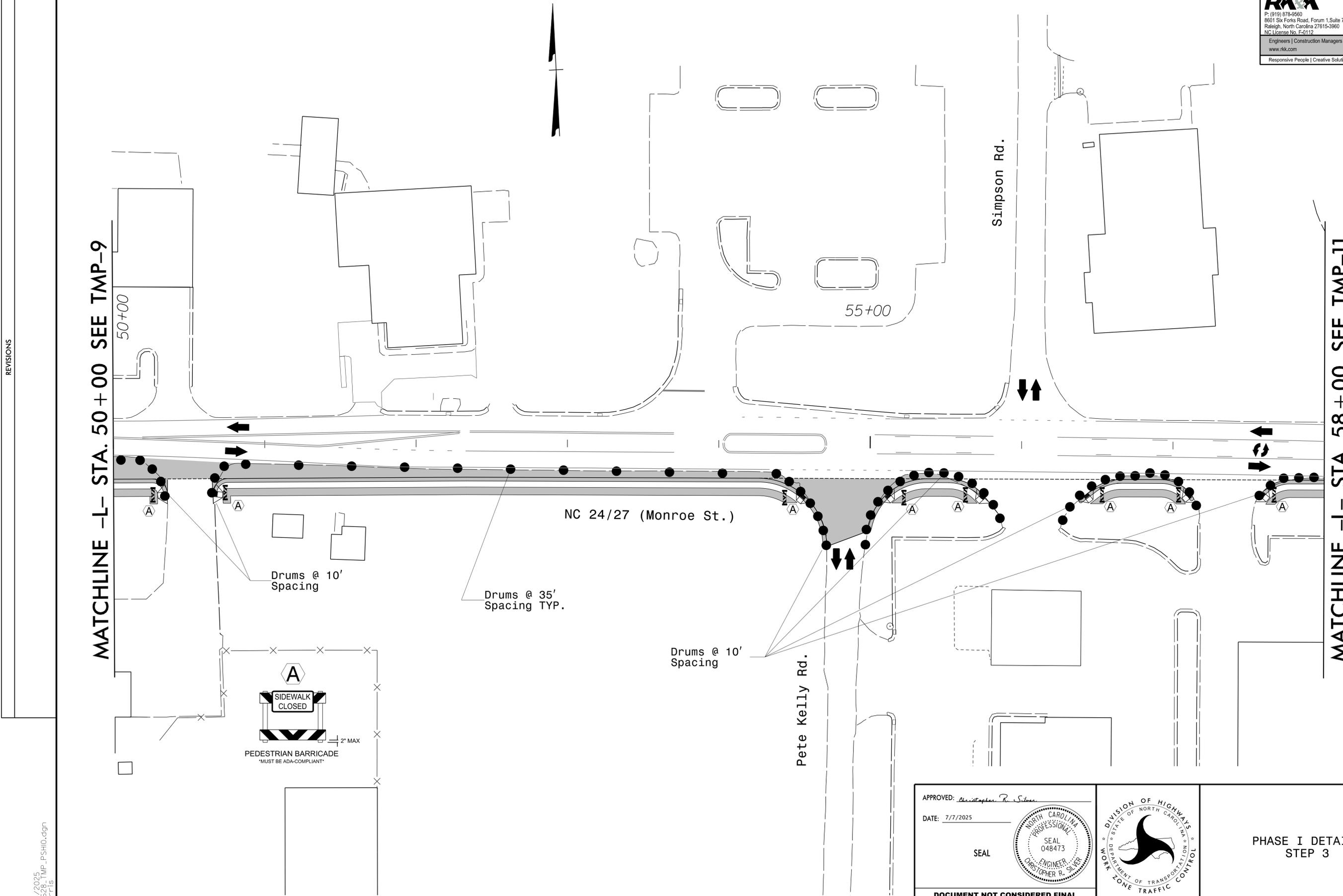


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 NORTH CAROLINA PROFESSIONAL ENGINEER
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PHASE I DETAILS
 STEP 3

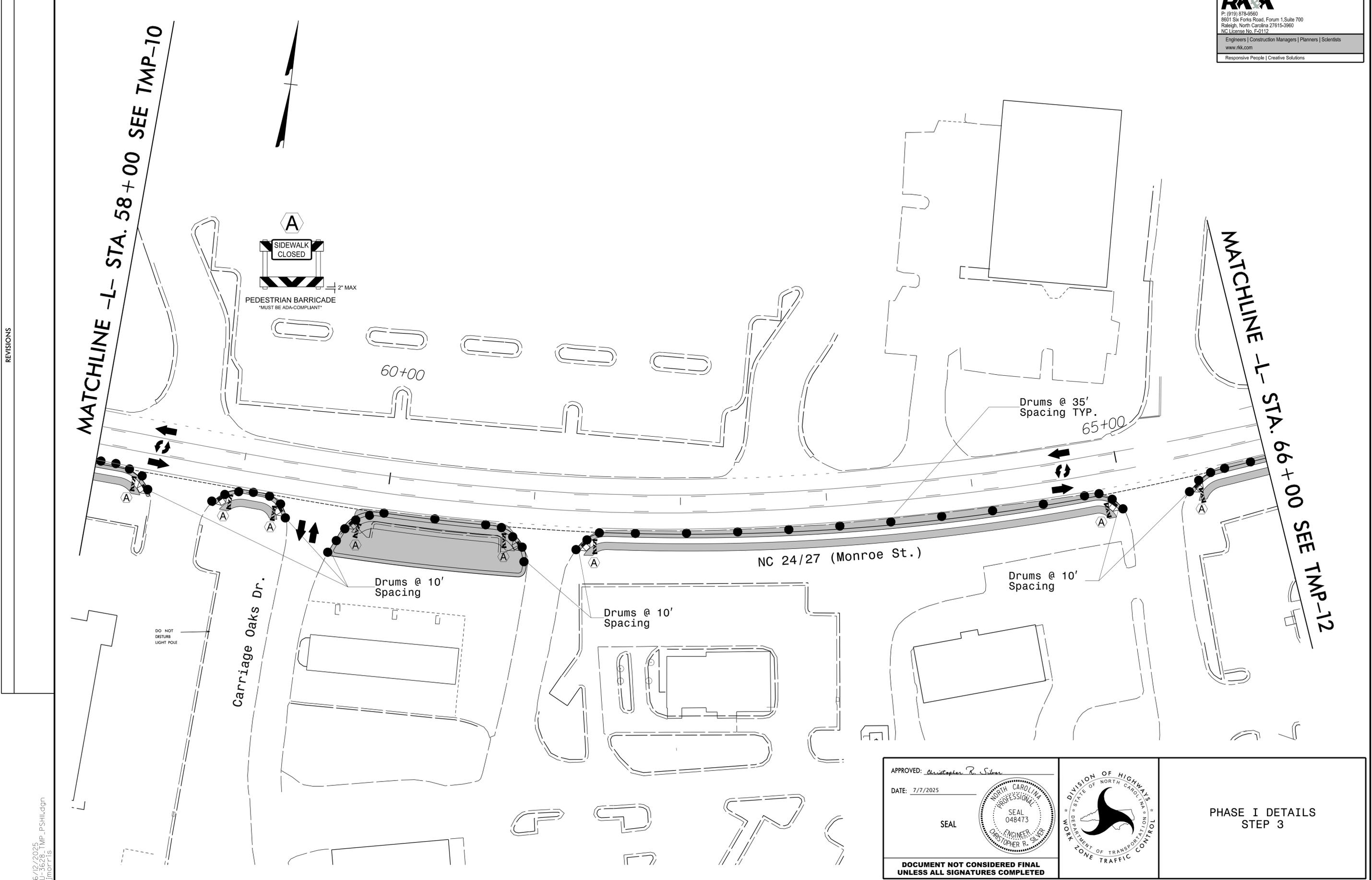
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6/12/2025
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 jmorris

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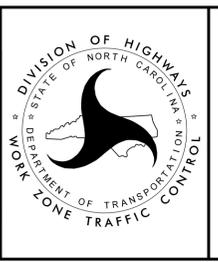
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 JIMRTPS

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SEAL

PROFESSIONAL SEAL
 048473
 ENGINEER
 CHRISTOPHER R. SILVER

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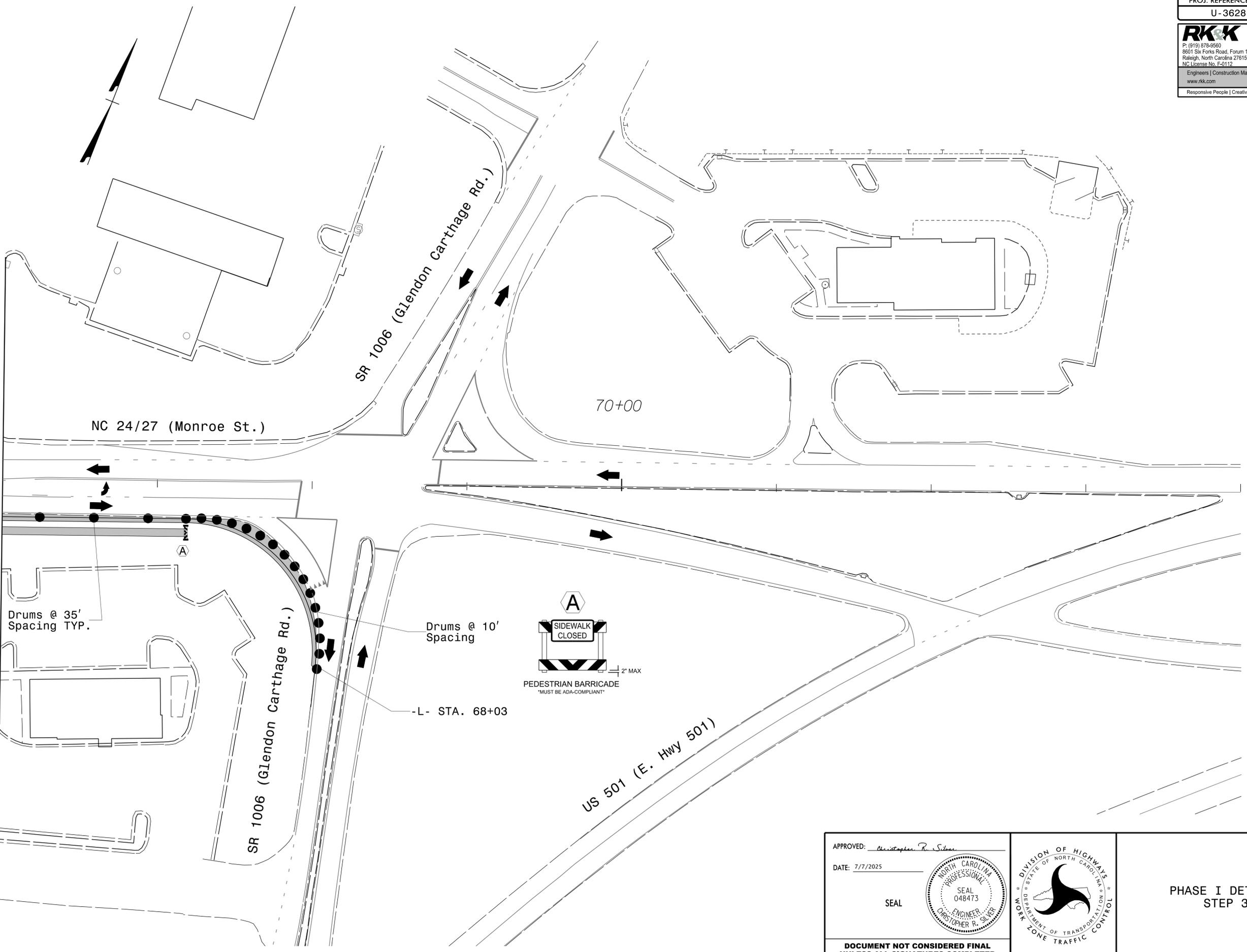
PHASE I DETAILS
 STEP 3

PROJ. REFERENCE NO.	SHEET NO.
U-3628	TMP-12

RKK
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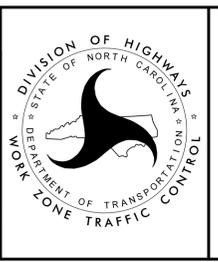
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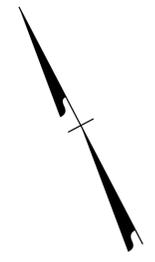
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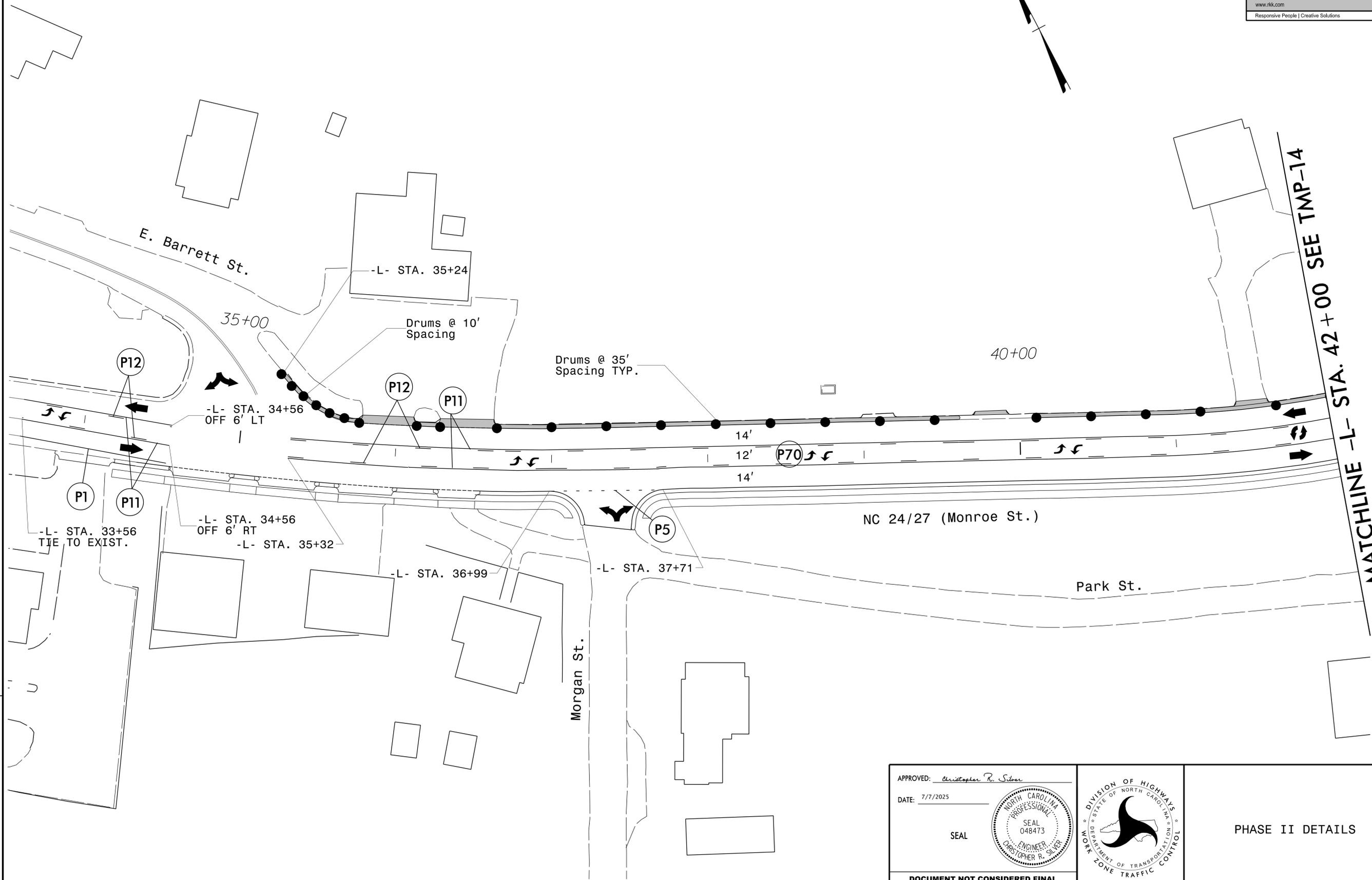
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PHASE I DETAILS
 STEP 3



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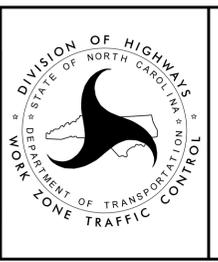


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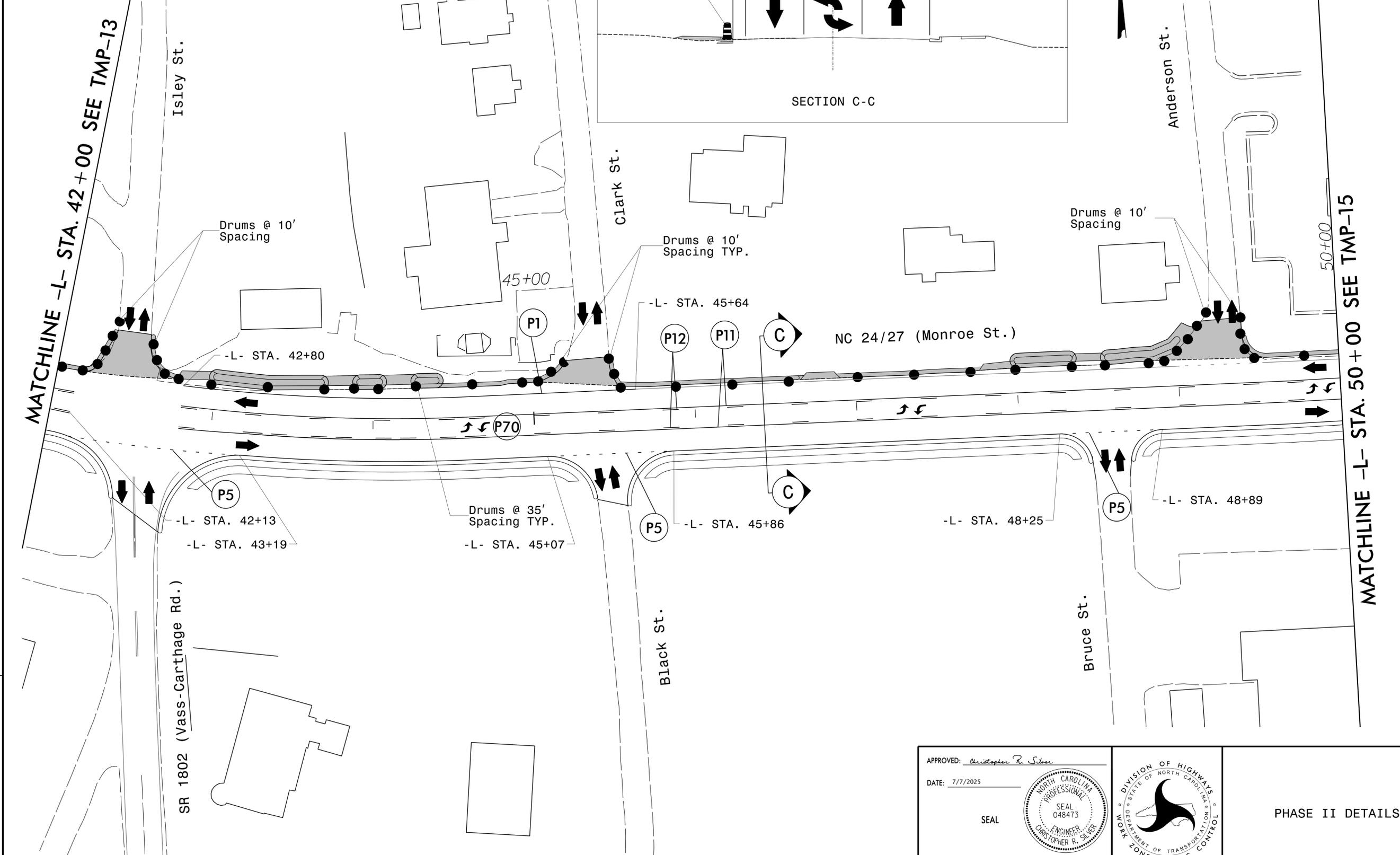
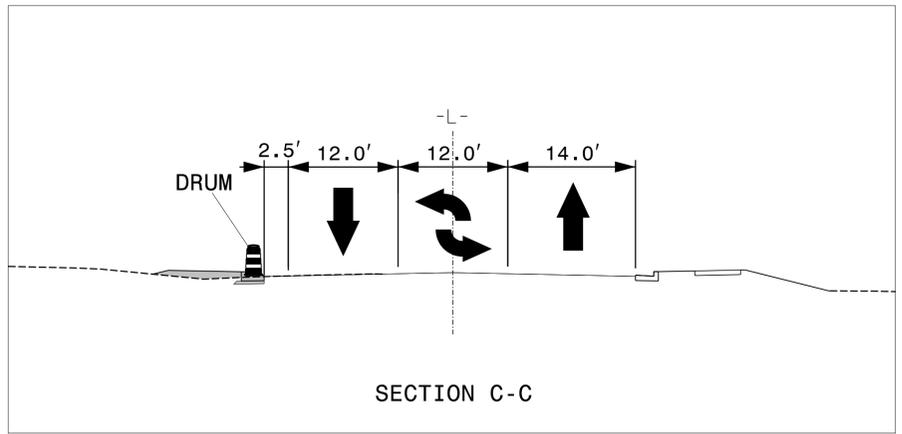
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PHASE II DETAILS



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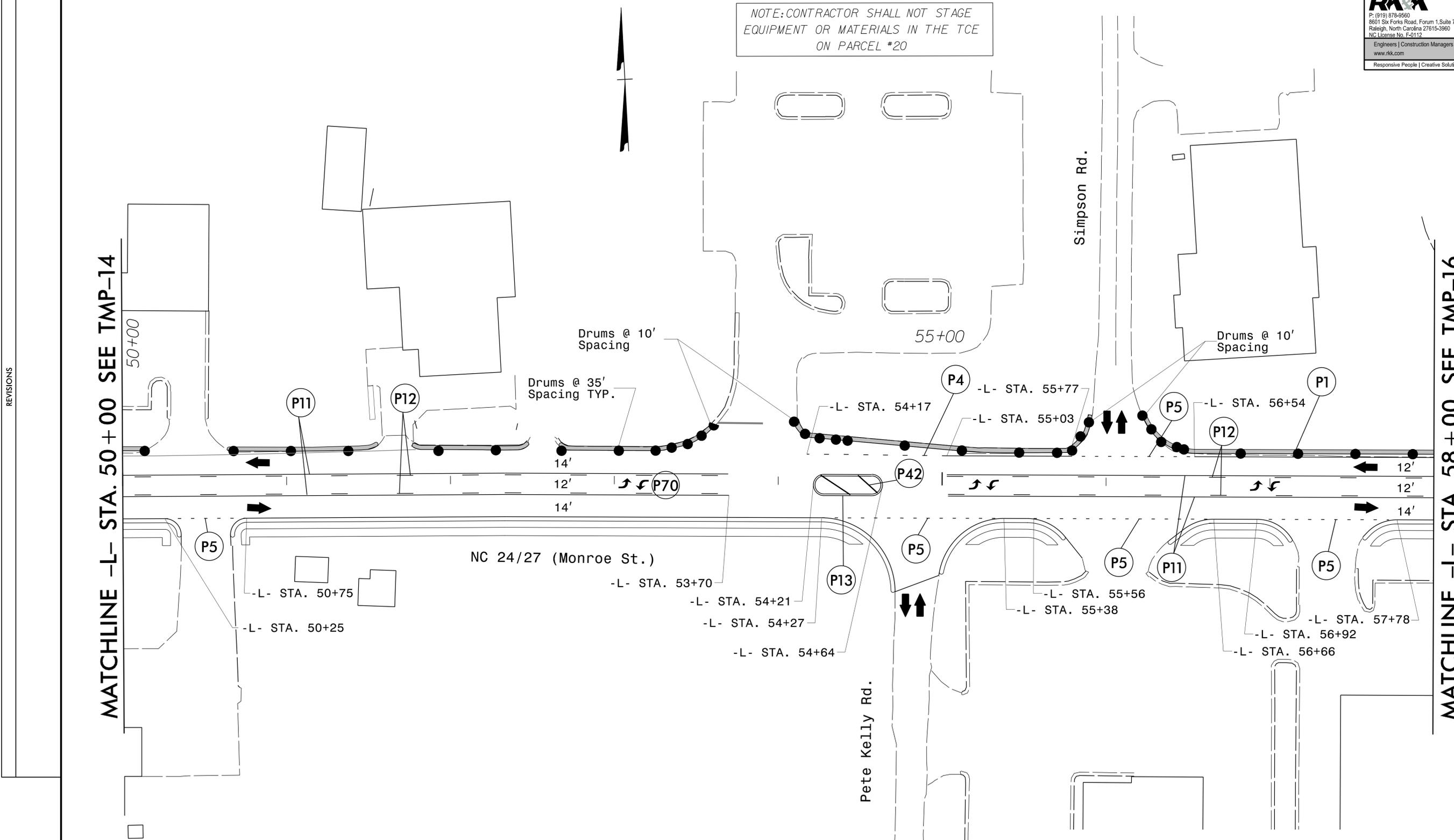
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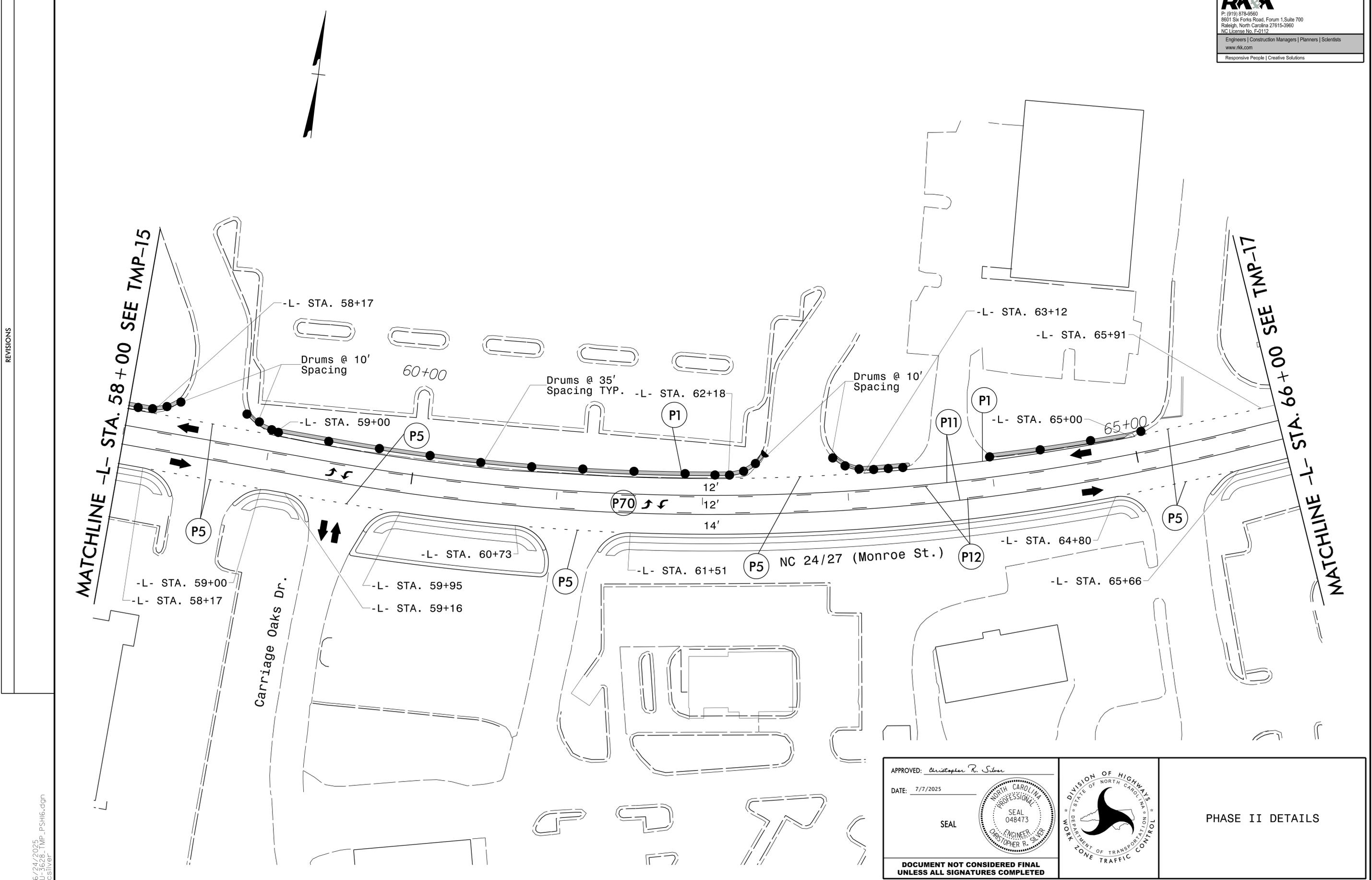
NOTE: CONTRACTOR SHALL NOT STAGE
 EQUIPMENT OR MATERIALS IN THE TCE
 ON PARCEL #20



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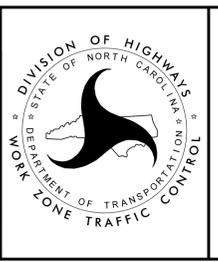


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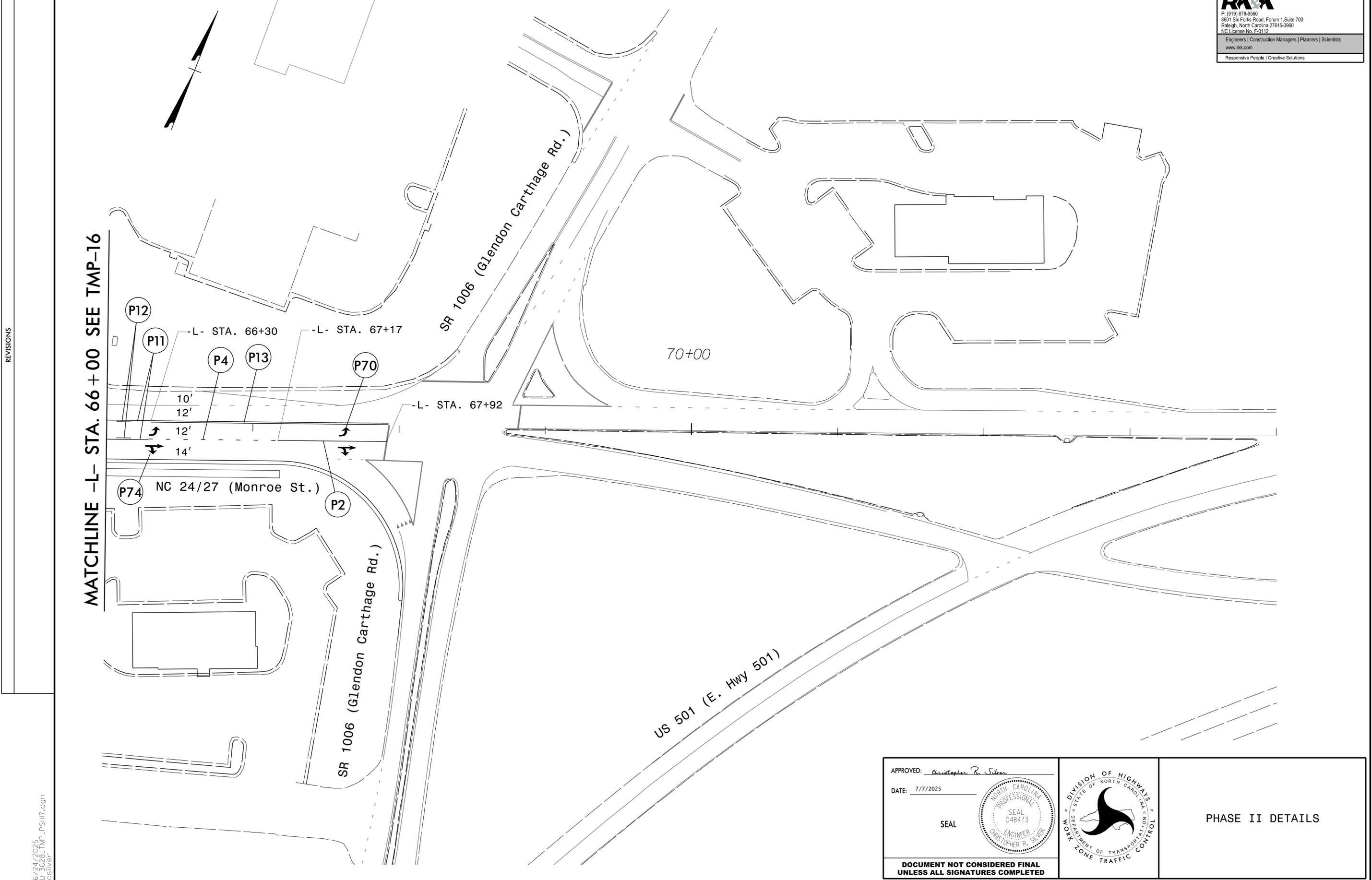
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