

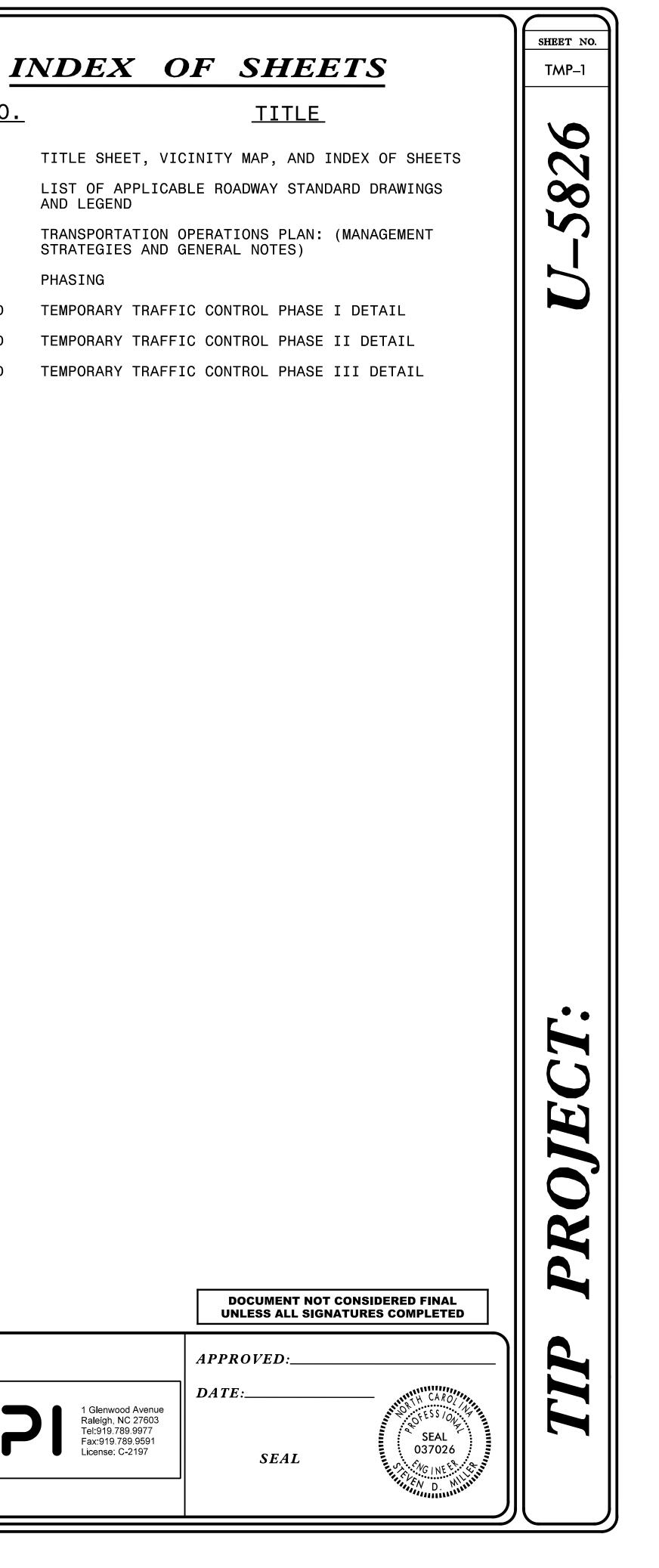
# LOCATION: FALLS OF NEUSE ROAD. (SR 200) FROM I-540 TO DURANT ROAD (SR 2006)

### TYPE OF WORK: GRADING, PAVING, DRAINAGE AND SIGNALS





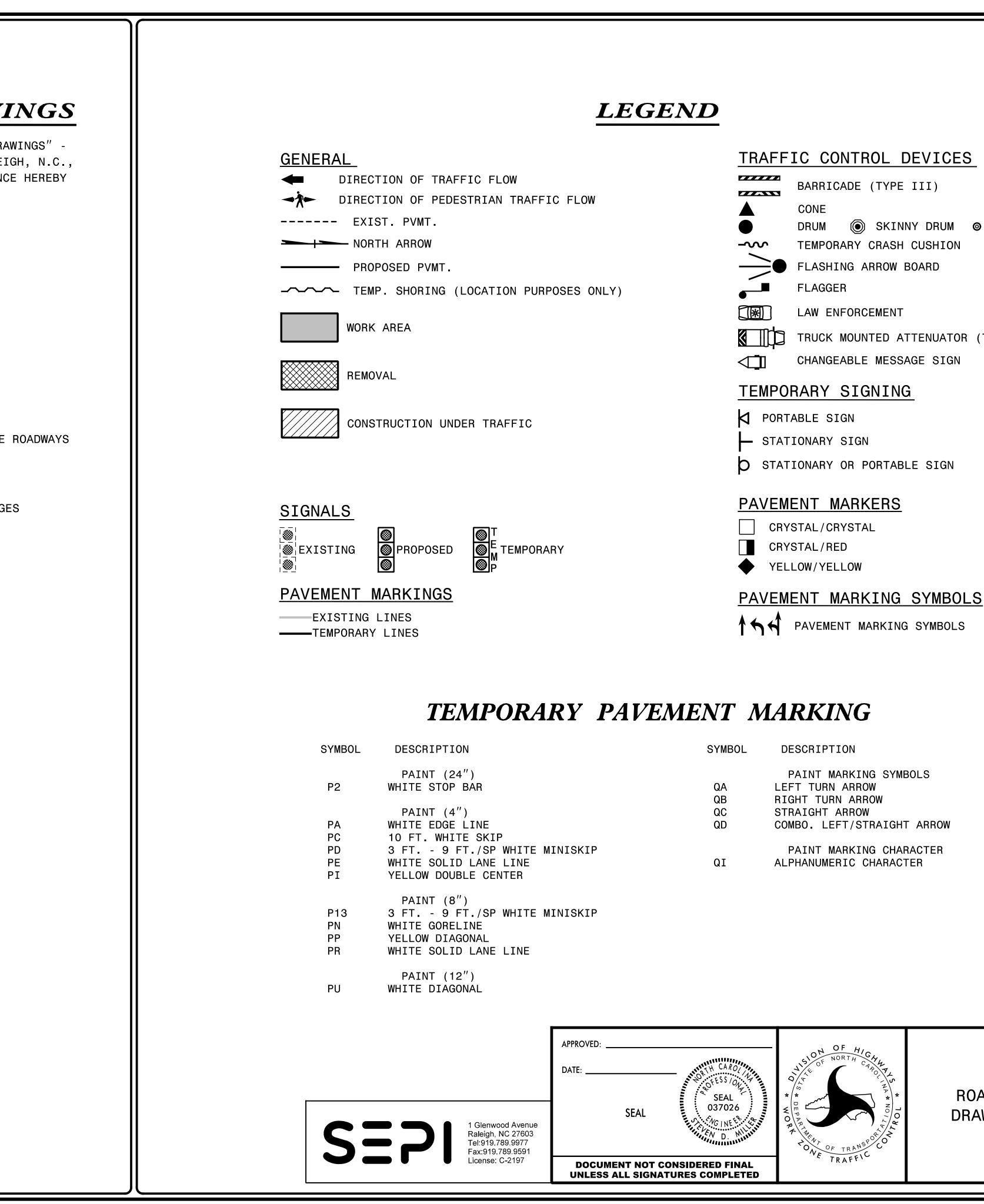
- TMP 1 TMP-1A
- TMP-1B
- TMP-2 TMP-3-3D
- TMP-4-4D
- TMP-5-5D



## ROADWAY STANDARD DRAWINGS

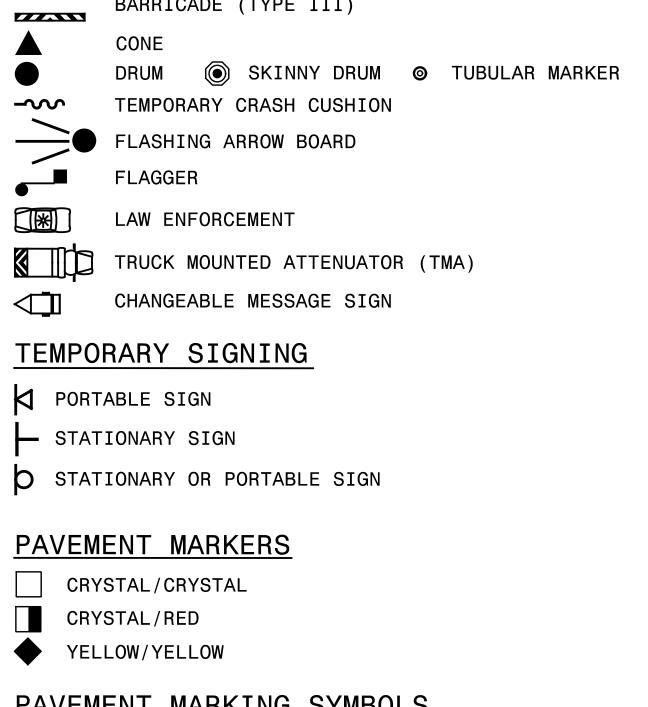
THE FOLLOWING ROADWAY STANDARDS AS SHOWN IN "ROADWAY STANDARD DRAWINGS" -PROJECT SERVICES UNIT - N.C. DEPARTMENT OF TRANSPORTATION - RALEIGH, N.C., DATED JANUARY 2018 ARE APPLICABLE TO THIS PROJECT AND BY REFERENCE HEREBY ARE CONSIDERED A PART OF THESE PLANS:

STD. NO.	TITLE
1101.01   1101.02   1101.02   1101.04   1101.05   1101.11   1110.01   1110.02   1130.01   1135.01   1150.01   1180.01   1205.02   1205.02   1205.05   1205.06   1205.07   1205.09   1205.12	WORK ZONE ADVANCE WARNING SIGNS TEMPORARY LANE CLOSURES TEMPORARY SHOULDER CLOSURES WORK ZONE VEHICLE ACCESSES TRAFFIC CONTROL DESIGN TABLES STATIONARY WORK ZONE SIGNS PORTABLE WORK ZONE SIGNS DRUM CONES FLAGGING DEVICES SKINNY-DRUM PAVEMENT MARKINGS - LINE TYPES AND OFFSETS PAVEMENT MARKINGS - TWO-LANE AND MULTI-LANE PAVEMENT MARKINGS - INTERSECTIONS PAVEMENT MARKINGS - INTERSECTIONS PAVEMENT MARKINGS - LANE DROPS PAVEMENT MARKINGS - LANE DROPS PAVEMENT MARKINGS - PEDESTRIAN CROSSWALKS PAVEMENT MARKINGS - SYMBOLS AND WORD MESSAGI PAVEMENT MARKINGS - PAINTED ISLANDS PAVEMENT MARKINGS - BRIDGES
1205.13	PAVEMENT MARKINGS - LANE REDUCTIONS



-	
PROJ. REFERENCE NO.	SHEET NO.
U-5826	TMP-1A

### TRAFFIC CONTROL DEVICES



PAVEMENT MARKING SYMBOLS

SYMBOL	DESCRIPTION
QA QB QC QD	PAINT MARKING SYMBOLS LEFT TURN ARROW RIGHT TURN ARROW STRAIGHT ARROW COMBO. LEFT/STRAIGHT ARROW
QI	PAINT MARKING CHARACTER ALPHANUMERIC CHARACTER

### ROADWAY STANDARD DRAWINGS & LEGEND

	1		AGEN ATEC	AENT GIES	r 	
	ACCESS TO AL L TIMES DURIN			USINESSES	WILL BE MA	AINTA
	TRIAN TRAFFIC RUCTION	WILL BE	MAINTAINE	D AT ALL T	IMES DURIN	٧G
	DE THIRTY (30 ENCY SERVICES RE	•				
	G	ENEF	RAL	NOTE	<b>'S</b>	
DRAWIN TO MEE OVERLA	S MAY BE REQU GS, STANDARD T FIELD CONDI PPING OF DEVI MENTING, COVE ER.	DETAILS, TIONS OR CES. MOD	AND ROADW RESULT IN DIFICATION	AY DETAILS DUPLICATE MAY INCLU	G ARE NOT A E OR UNDESI JDE: MOVING	ATTAII IRED G,
THE CC	LLOWING GENEF NSTRUCTION PF ECTED BY THE	ROJECT EXC	CEPT WHEN	-		-
<u>TIME P</u>	ESTRICTIONS					
A) DC	NOT CLOSE OF	NARROW 1	RAVEL LAN	IES AS FOLL	.OWS :	
	<u>AD NAME</u> L ROADS			DAY AND TIM Y-FRIDAY 6 3		9:00
,	NOT CLOSE OF		RAVEL LAN	IES DURING	HOLIDAYS /	AND S
RC	AD NAME: ALL	ROADS				
HC	LIDAY					
1.	FOR ANY UNEX TRAFFIC VOLU					LLY H
2.	FOR NEW YEAF TO 7:00 P.M. SATURDAY, SU TUESDAY.	JANUARY	2ND. IF	NEW YEAR'S	DAY IS ON	I A FR
3.	FOR EASTER, P.M. MONDAY.		THE HOURS	OF 6:00 A.	M. THURSD/	ay ani
4.	FOR MEMORIAL 7:00 P.M. TU	•	WEEN THE	HOURS OF 6	;:00 A.M. F	FRIDA
5.	FOR INDEPEND DAY BEFORE I INDEPENDENCE		·			
	IF INDEPENDE MONDAY THEN INDEPENDENCE DAY.	BETWEEN 1	THE HOURS	OF 6:00 A.	M. THE THU	URSDA
6.	FOR LABOR DA 7:00 P.M. TU	•	EN THE HOU	IRS OF 6:00	A.M. FRI	DAY A
				THE HOURS		мт

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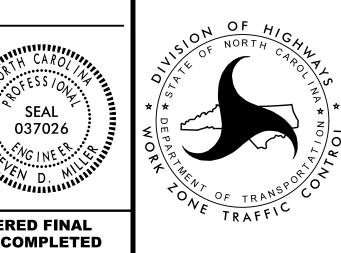
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		PROJ. REFERENCE NO. SHEET NO. U-5826 TMP-1B
	8. FOR CHRISTMAS, BETWEEN THE HOURS OF 6:00 A.M. THE FRIDAY	
	BEFORE THE WEEK OF CHRISTMAS DAY AND 7:00 P.M. THE FRIDAY TUESDAY AFTER THE WEEK OF CHRISTMAS.	L) ENSURE ALL NECESSARY SIGNING IS IN PLACE PRIOR TO ALTERING ANY TRAFFIC PATTERN.
AINED	LANE AND SHOULDER CLOSURE REQUIREMENTS	TRAFFIC CONTROL DEVICES
	C) REMOVE LANE CLOSURE DEVICES FROM THE LANE WHEN WORK IS NOT BEING	M) WHEN LANE CLOSURES ARE NOT IN EFFECT SPACE CHANNELIZING DEVICES
	PERFORMED BEHIND THE LANE CLOSURE OR WHEN A LANE CLOSURE IS NO LONGER NEEDED OR AS DIRECTED BY THE ENGINEER.	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
Y TO ROAD	D) 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	ROADS AND STRUCTURES SECTIONS 1130 (DRUMS), 1135 (CONES), AND 1180 (SKINNY DRUMS) FOR ADDITIONAL REQUIREMENTS.
	BARRIER OR GUARDRAIL OR A LANE CLOSURE IS INSTALLED.	N) PLACE TYPE III BARRICADES, WITH "ROAD CLOSED" SIGN R11-2 ATTACHED, OF SUFFICIENT LENGTH TO CLOSE ENTIRE ROADWAY.
AIL	E) 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	0) PLACE ADDITIONAL SETS OF THREE CHANNELIZING DEVICES (DRUMS) PERPENDICULAR TO THE EDGE OF TRAVELWAY ON 500 FT CENTERS WHEN UNOPENED LANES ARE CLOSED TO TRAFFIC.
AINABLE	PROTECTED BY BARRIER OR GUARDRAIL.	PAVEMENT MARKINGS AND MARKERS
)	WHEN PERSONNEL AND/OR EQUIPMENT ARE WORKING ON THE SHOULDER	
3Y THE	ADJACENT TO A DIVIDED FACILITY AND WITHIN 10 FT OF AN OPEN TRAVEL LANE, CLOSE THE NEAREST OPEN TRAVEL LANE USING ROADWAY	P) INSTALL TEMPORARY PAVEMENT MARKINGS AND TEMPORARY PAVEMENT MARKERS ON INTERIM LAYERS OF PAVEMENT AS FOLLOWS:
FION OF PLAN	F) 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 BOADWAY STANDARD DRAWINGS	ROAD NAMEMARKINGMARKERALL ROADSPAINTTEMPORARY RAISED
	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.	Q) 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
	G) DO NOT WORK SIMULTANEOUSLY WITHIN 15 FT ON BOTH SIDES OF AN OPEN TRAVELWAY, RAMP, OR LOOP WITHIN THE SAME LOCATION UNLESS	INITIAL APPLICATION AND EVERY SIX MONTHS AS DIRECTED BY THE ENGINEER.
<u>NS</u> D A.M. AND	PROTECTED WITH GUARDRAIL OR BARRIER.	R) TIE PROPOSED PAVEMENT MARKING LINES TO EXISTING PAVEMENT MARKING LINES.
) P.M.	PAVEMENT EDGE DROP OFF REQUIREMENTS	S) REMOVE/REPLACE ANY CONFLICTING/DAMAGED PAVEMENT MARKINGS AND
SPECIAL	H) 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 OFE AS FOLLOWS:	MARKERS BY THE END OF EACH DAY'S OPERATION.
	EDGE OF PAVEMENT DROP-OFF AS FOLLOWS: BACKFILL DROP-OFFS THAT EXCEED 2 INCHES ON ROADWAYS WITH POSTED	T) TRACE THE PROPOSED MONOLITHIC ISLAND LOCATIONS WITH PROPER COLOR PAVEMENT MARKINGS PRIOR TO INSTALLATION. PLACE (DRUMS) TO DELINEATE ANY PROPOSED MONOLITHIC ISLANDS.
	SPEED LIMITS OF 45 MPH OR GREATER.	MISCELLANEOUS
HIGH	BACKFILL DROP-OFFS THAT EXCEED 3 INCHES ON ROADWAYS WITH POSTED SPEED LIMITS LESS THAN 45 MPH.	U) ALL CURB RAMP LOCATIONS SHALL BE DERIVED FROM STATIONING SHOWN ON PAVEMENT MARKING PLANS OR AS DIRECTED BY THE ENGINEER IN
ER 31ST FRIDAY,	BACKFILL WITH SUITABLE COMPACTED MATERIAL, AS APPROVED BY THE ENGINEER, AT NO EXPENSE TO THE DEPARTMENT.	COORDINATION WITH THE SIGNING AND DELINEATION UNIT.
FOLLOWING AND 7:00	I) 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 FEET IN ADVANCE AND A MINIMUM OF EVERY HALE MILE THROUGHOUT THE UNEVEN AREA	
	AND A MINIMUM OF EVERY HALF MILE THROUGHOUT THE UNEVEN AREA.	
ΟΑΥ ΤΟ	TRAFFIC PATTERN ALTERATIONS	
THE TER	J) NOTIFY THE ENGINEER THIRTY (30) DAYS PRIOR TO ANY TRAFFIC PATTERN ALTERATION.	
En	SIGNING	
, OR DAY BEFORE EPENDENCE	K) 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.	
AND	APPROVED:	
TUESDAY	DATE:	TRANSPORTATION

**S = P i i Glenwood Avenue** Raleigh, NC 27603 Tel:919.789.9977 Fax:919.789.9591 License: C-2197

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TRANSPORTATION OPERATIONS PLAN

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### **PHASING**

PHASE I

- STEP 1: USING RSD 1101.01, SHEETS 2 AND 3 OF 3, PLACE WORK ZONE ADVANCE WARNING SIGNS ON FALLS OF NEUSE ROAD AND ALL -Y-LINES.
- STEP 2: AWAY FROM TRAFFIC AND USING RSD 1101.02 SHEETS 1 AND 3 OF 14, PERFORM THE FOLLOWING AS SHOWN ON TMP-3 THROUGH TMP-3D:
  - BEGIN TO CONSTRUCT WIDENING ON THE LEFT SIDE OF -L- FROM STA 13+00 +/- TO STA 76+75 +/- UP TO BUT NOT INCLUDING THE FINAL LAYER OF SURFACE COURSE. - COMPLETE MULTI-USE PATH CONSTRUCTION ON THE RIGHT SIDE OF -L- AND OPEN TO PEDESTRIAN TRAFFIC.

NOTE: THE CONTRACTOR SHALL PROVIDE A PEDESTRIAN TRANSPORT SERVICE THROUGH AND/OR AROUND THE PROJECT AS NEEDED. AT MINIMUM, THE PEDESTRIAN TRANSPORT SERVICE SHALL BE ON CALL BETWEEN THE HOURS OF 7:00 AM TO 8:00 PM MONDAY THROUGH SUNDAY. (SEE SPECIAL PROVISIONS)

STEP 3: USING RSD 1101.02 SHEETS 1 AND 3 OF 14, INSTALL PHASE II TEMPORARY PAVEMENT MARKINGS AS SHOWN ON TMP-4 THROUGH TMP-4A, MOVE DEVICES, ACTIVATE TEMPORARY SIGNALS, AND SHIFT TRAFFIC TO THE PHASE II PATTERN.

### PHASE II

THE CONTRACTOR SHALL COMPLETE THE WORK REQUIRED FOR PHASE II STEP 1 (MEDIAN DRAINAGE) DURING NIGHTLY CLOSURES MONDAY THRU SUNDAY BETWEEN THE HOURS OF 8 PM TO 6 AM. SEE INTERMEDIATE CONTRACT TIMES.

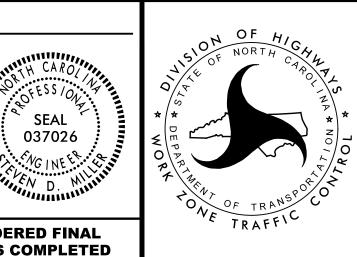
- STEP 1: USING RSD 1101.02 SHEETS 1 AND 3 OF 14, PERFORM THE FOLLOWING AS SHOWN ON TMP-4 THROUGH TMP-4D.
  - REMOVE CONCRETE MEDIAN FROM -L- STA 17+05 +/- TO STA 27+40 +/- AND -L- STA 28+74 +/- TO STA 32+57 +/-
  - INSTALL MEDIAN DRAINAGE FROM -L- STA 17+05 +/- TO
  - STA 32+57 +/-- PERFORM SHOTBLASTING ON CONCRETE BRIDGE AS PART OF BRIDGE PRESERVATION
  - MAINTAIN PEDESTRIAN ACCESS TO MULTI-USE PATH ON RIGHT SIDE 0F -L-
  - CONSTRUCT THE RIGHT SIDE OF -L- UP TO BUT NOT INCLUDING THE FINAL LAYER OF SURFACE COURSE.
  - CONTINUE TO CONSTRUCT THE LEFT SIDE OF -L- FROM STA 13+00 +/- TO STA 76+75 +/- UP TO BUT NOT INCLUDING THE FINAL LAYER OF SURFACE COURSE.
- STEP 2: USING RSD 1101.02 SHEETS 1 AND 3 OF 14, PERFORM THE FOLLOWING IN A CONTINUOUS MANNER:
  - USE WEDGING TO CREATE A TIE IN TO THE FINAL TRAFFIC PATTERN UP TO BUT NOT INCLUDING THE FINAL LAYER OF SURFACE COURSE
  - PLACE TEMPORARY PAVEMENT MARKINGS IN THE SAME LOCATION AS THE FINAL PAVEMENT MARKINGS ACCORDING TO THE PAVEMENT MARKING PLANS
  - MOVE DEVICES, ACTIVATE FINAL SIGNALS, AND SHIFT TRAFFIC TO THE FINAL PATTERN

### PHASE III

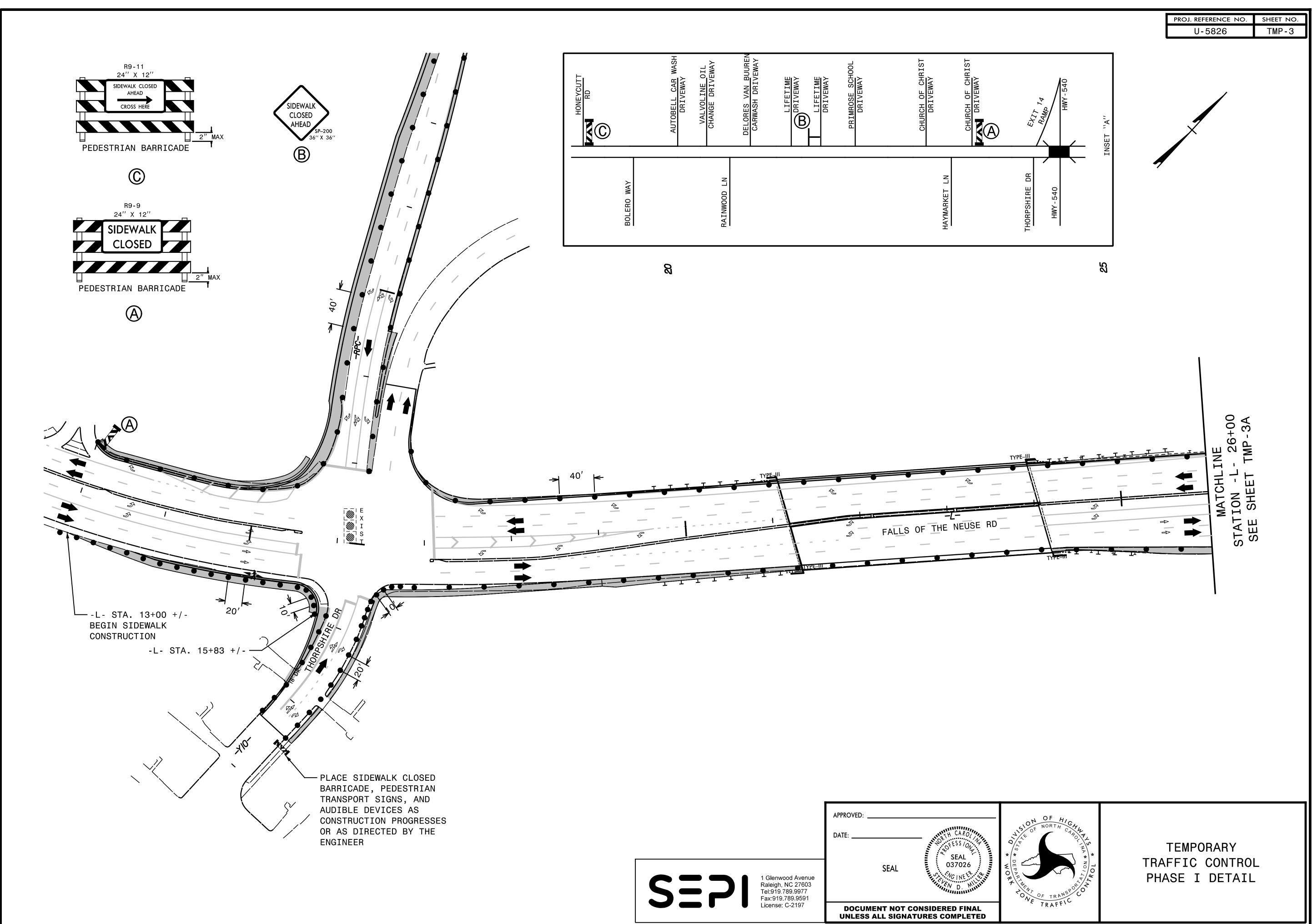
- STEP 1: USING RSD 1101.02 SHEETS 1 AND 3 OF 14, COMPLETE CONSTRUCTION UP TO BUT NOT INCLUDING THE FINAL LAYER OF SURFACE COURSE AS SHOWN ON TMP-5 THROUGH TMP-5D. COMPLETE ROADWAY AND SIDEWALK CONSTRUCTION.
- STEP 2: USING RSD 1101.02 SHEETS 1 AND 3 OF 14, CONSTRUCT THE FINAL LAYER OF SURFACE COURSE AND INSTALL THE FINAL PAVEMENT MARKINGS.
- STEP 3: REMOVE ALL WORK ZONE TRAFFIC CONTROL DEVICES.

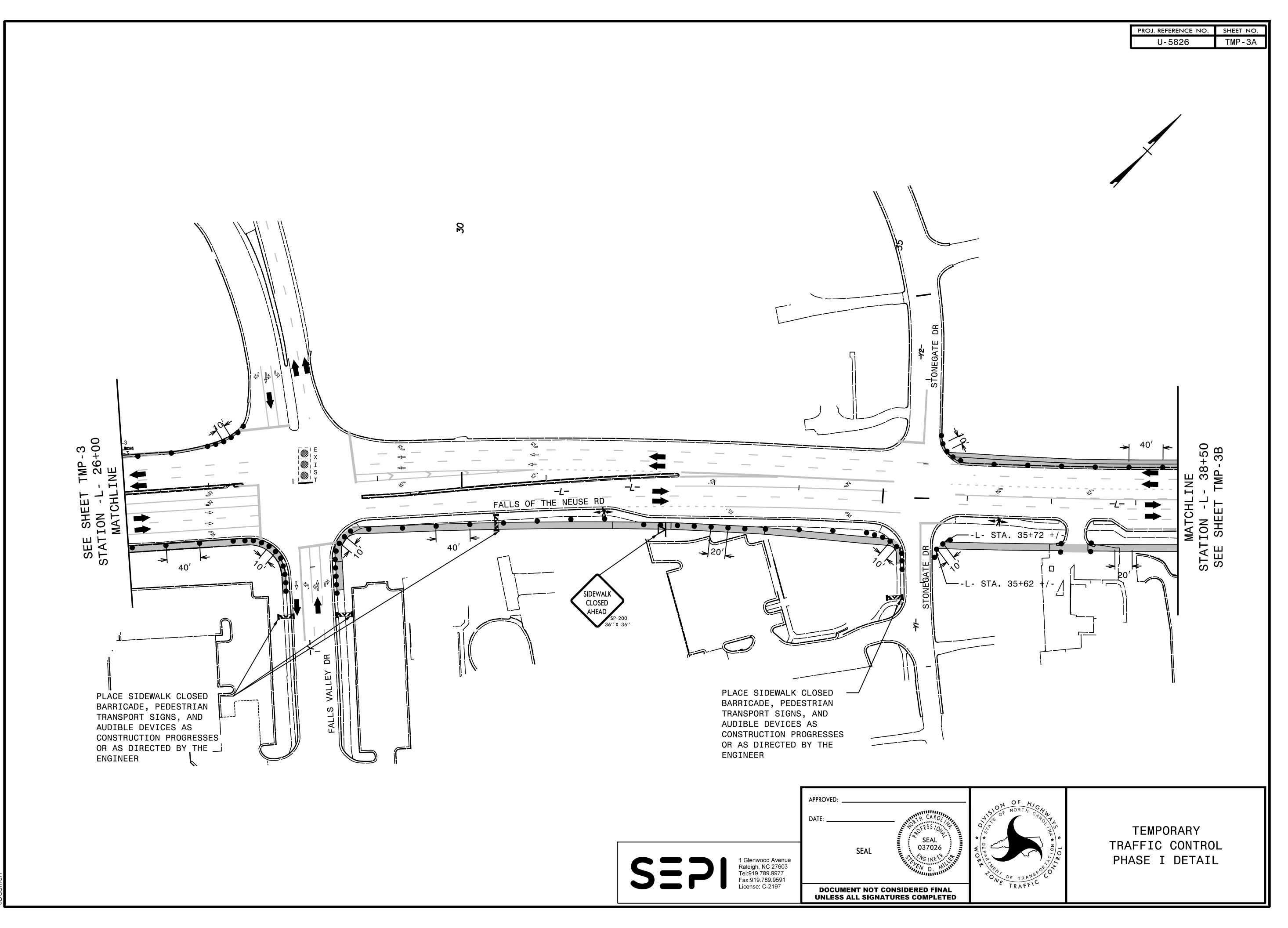
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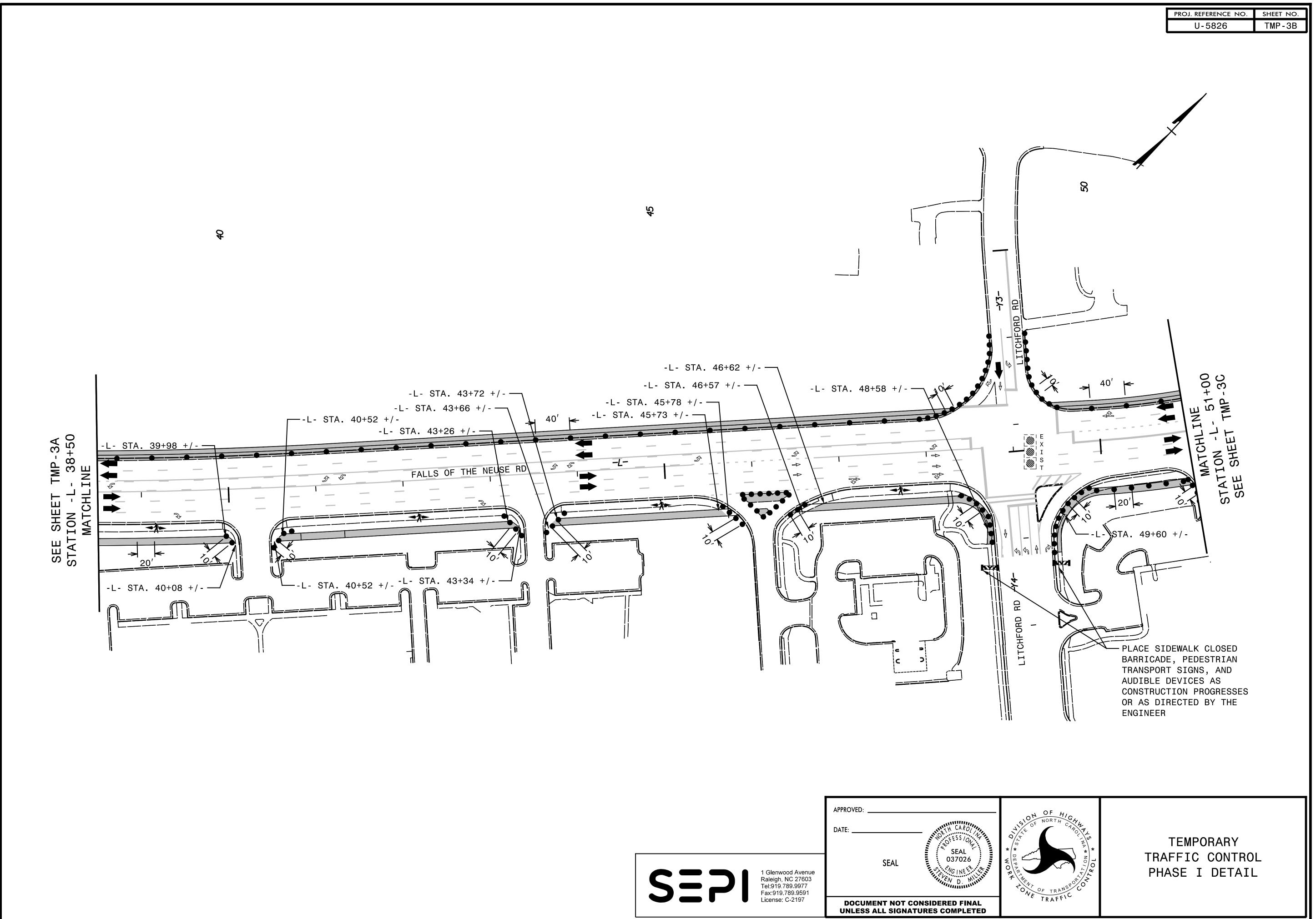


# PHASING

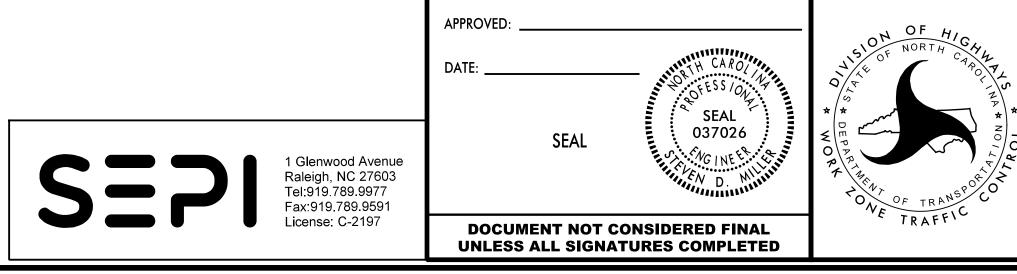


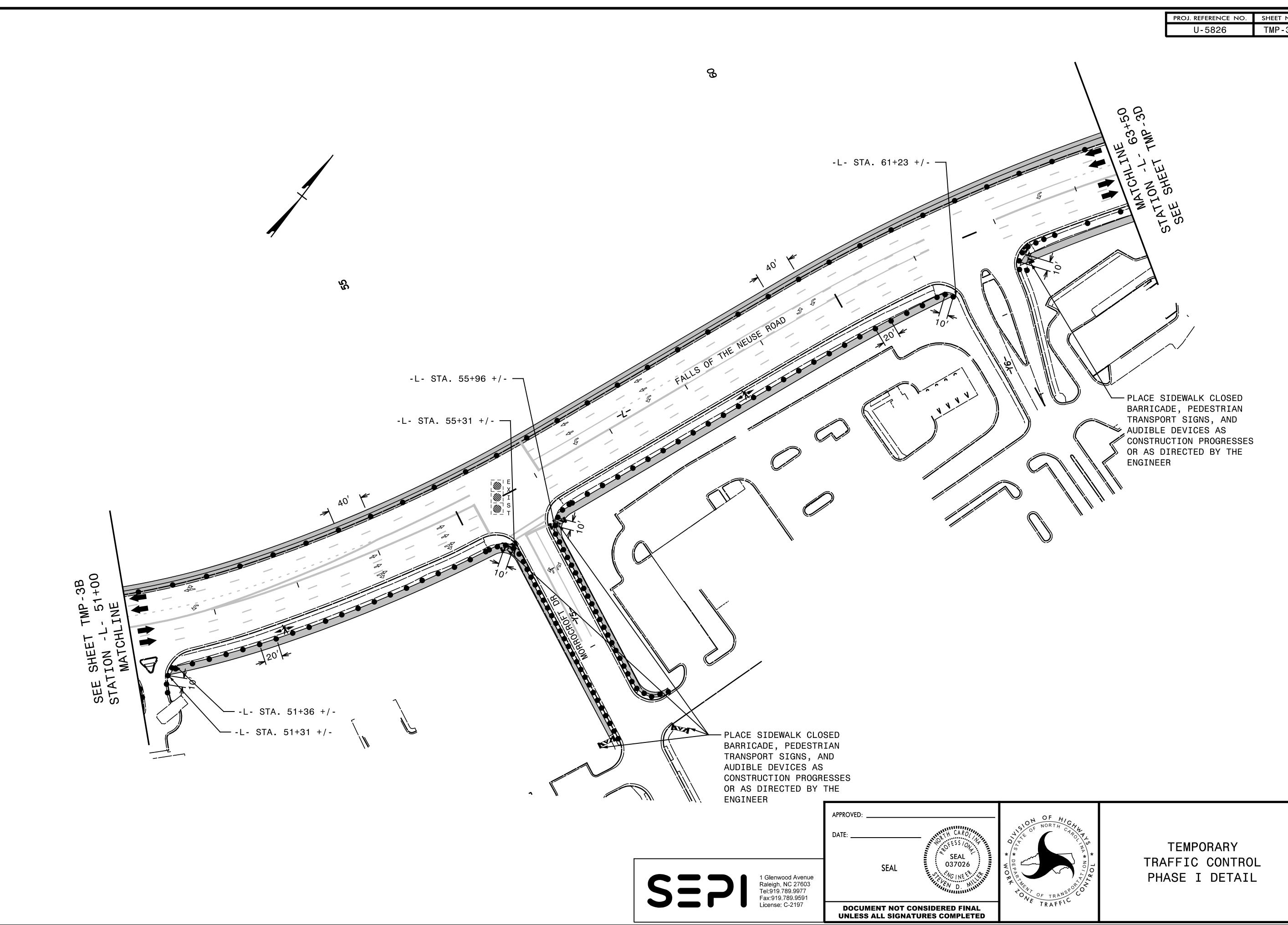


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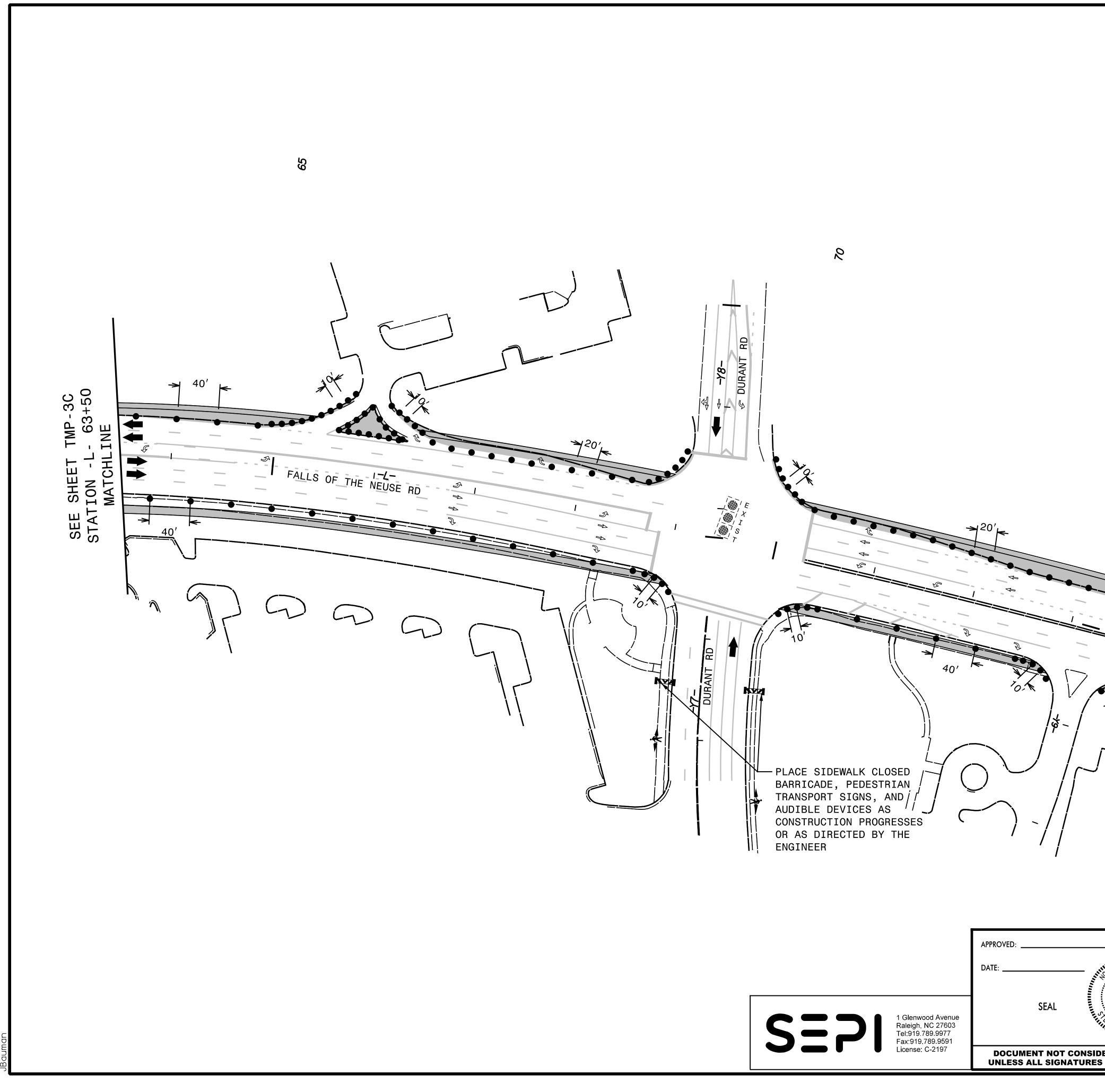
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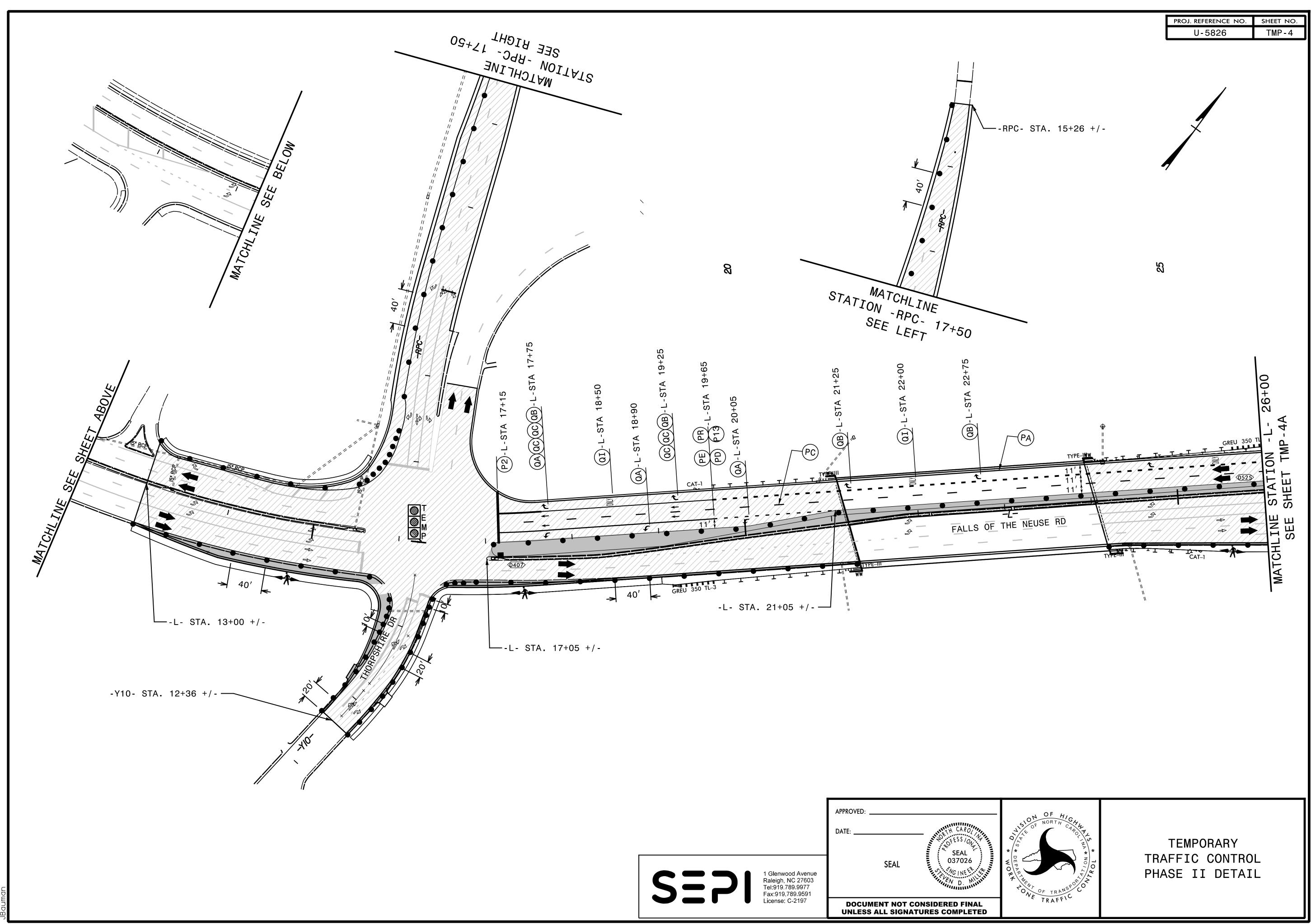
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U-5826	TMP-3C

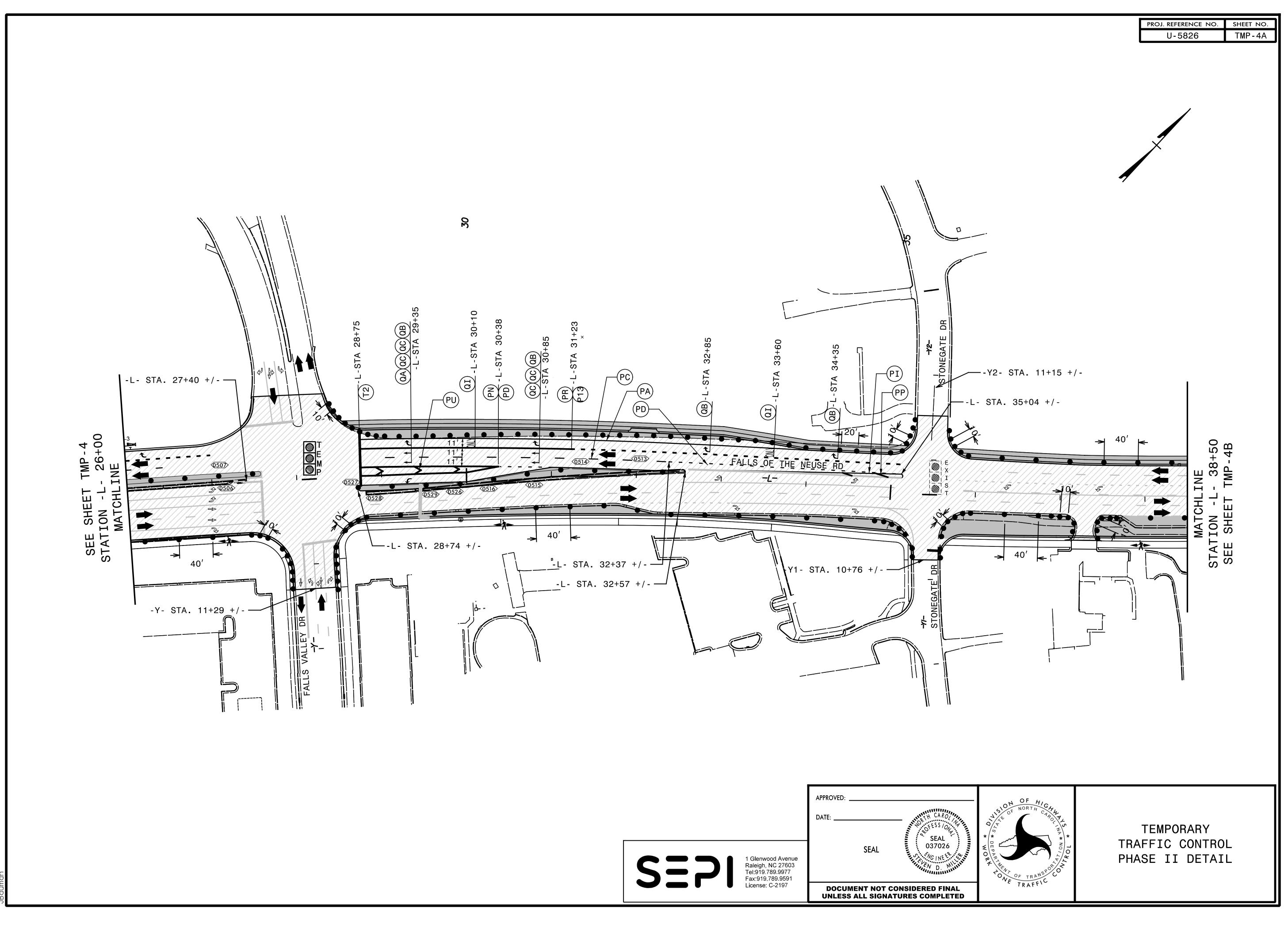


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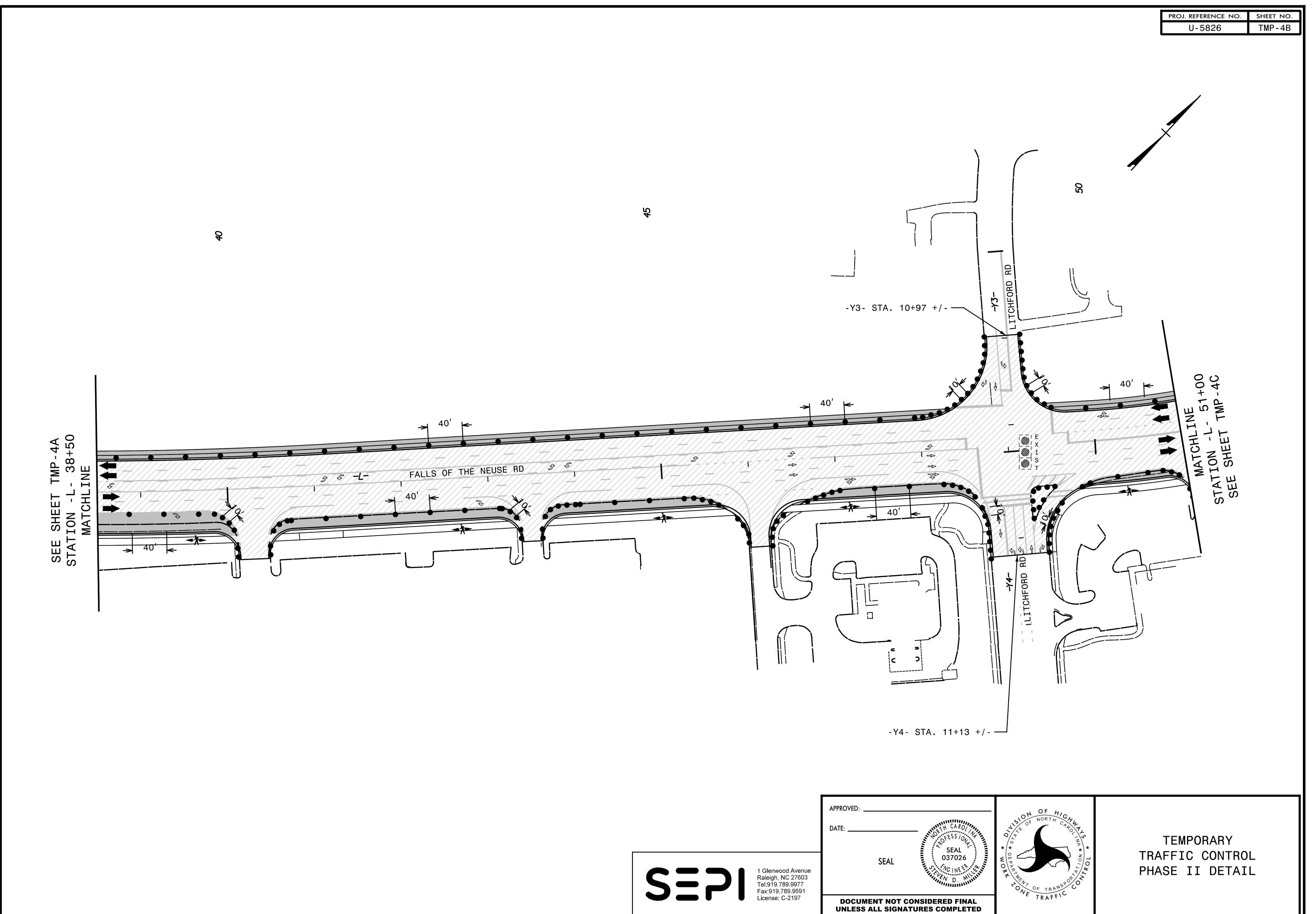
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	PLACE SIDEWALK CL BARRICADE, PEDEST TRANSPORT SIGNS, AUDIBLE DEVICES A CONSTRUCTION PROG OR AS DIRECTED BY ENGINEER	RIAN N AND S RESSES
SEAL 037026	NORTH CAN A NORTH CAN A NO NORTH CAN A NO NORTH CAN A NO NORTH CAN A NO NO NO NO NO NO NO NO NO NO	TEMPORARY TRAFFIC CONTROL PHASE I DETAIL



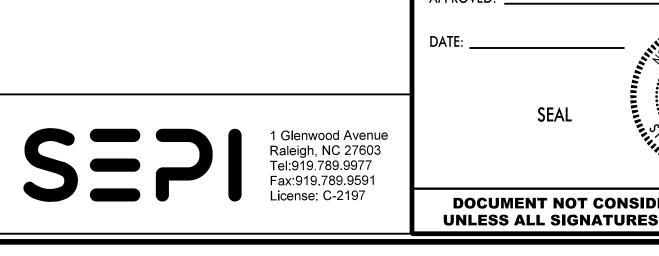
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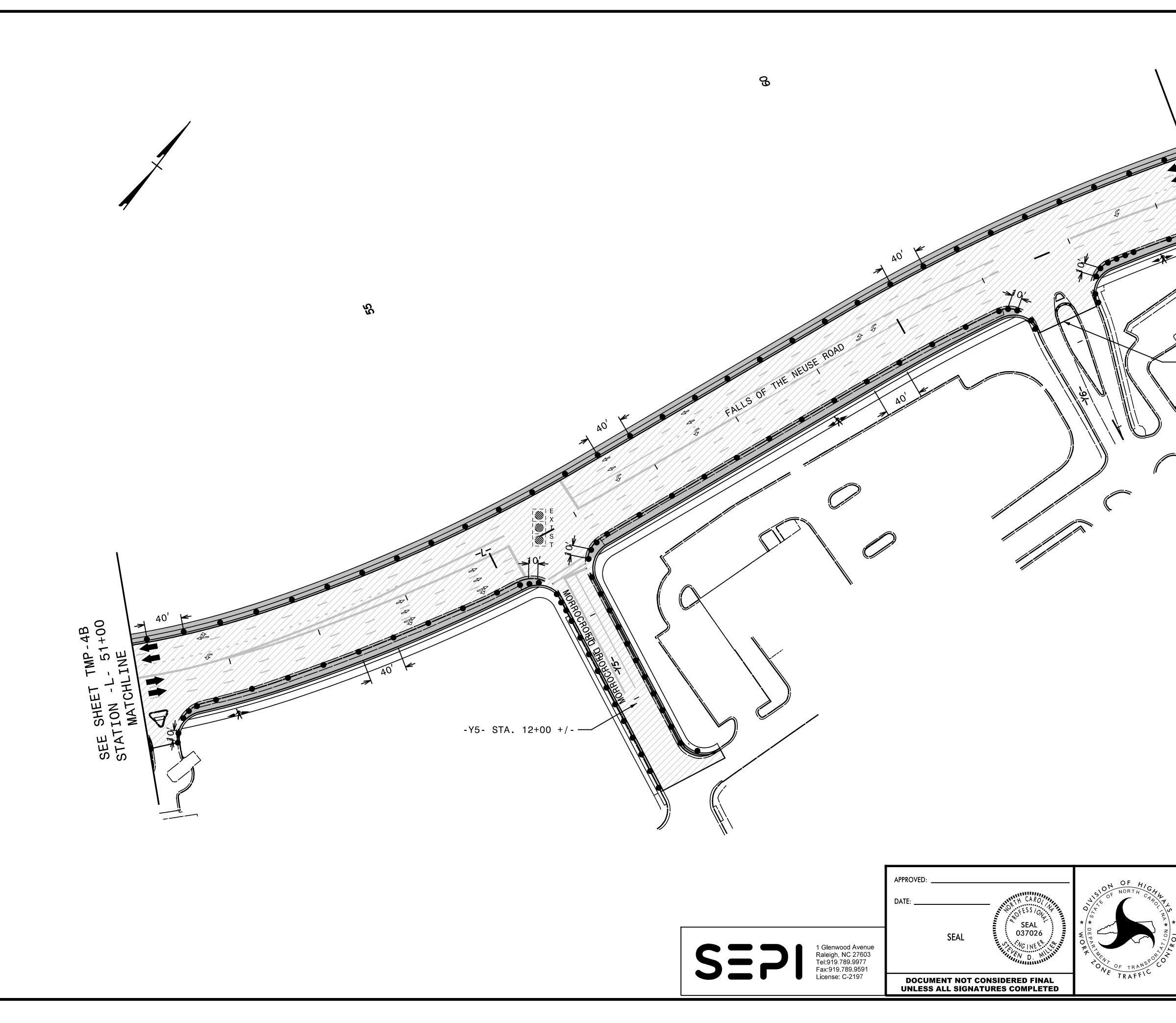


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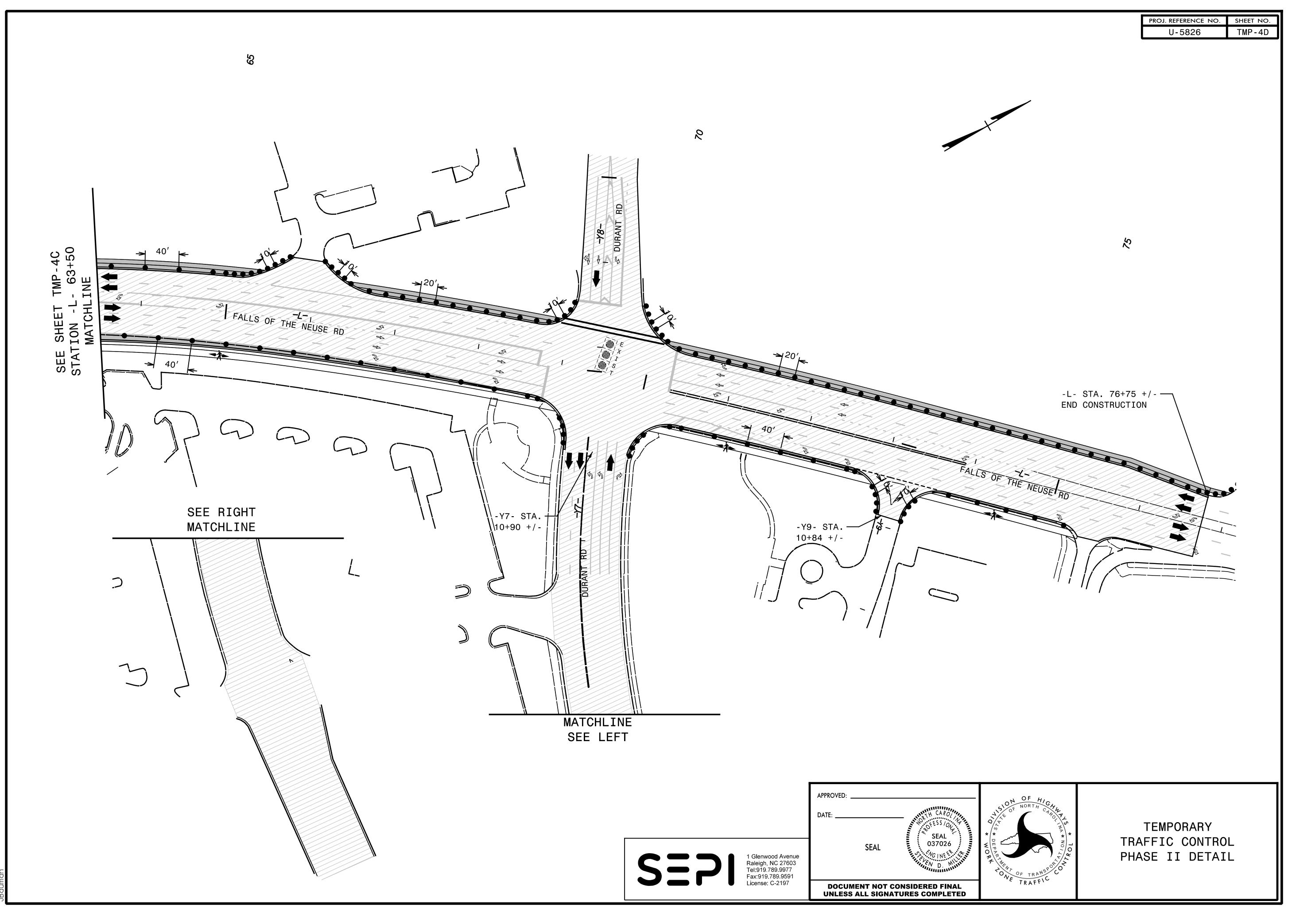




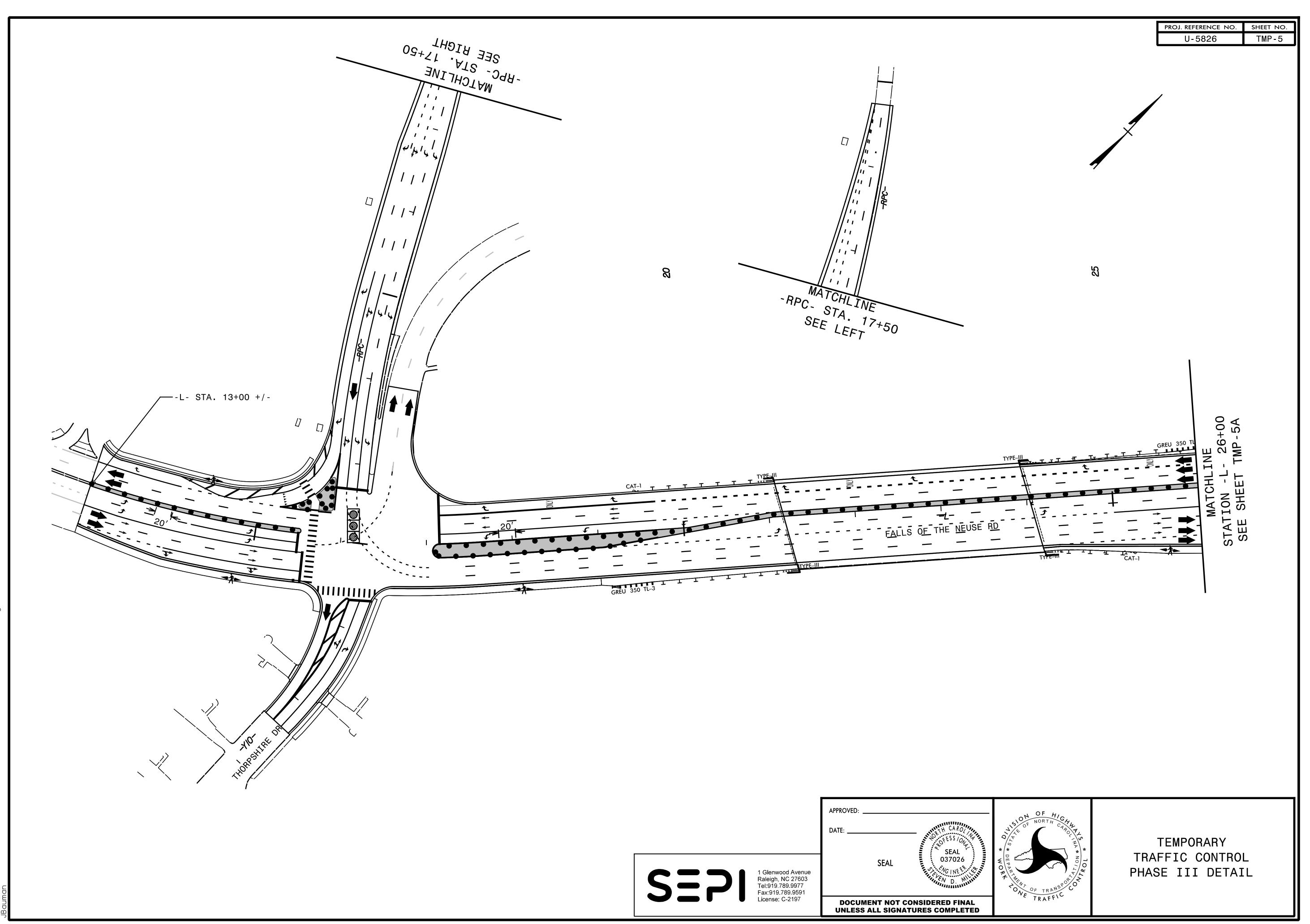
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TEMPORARY TRAFFIC CONTROL PHASE II DETAIL

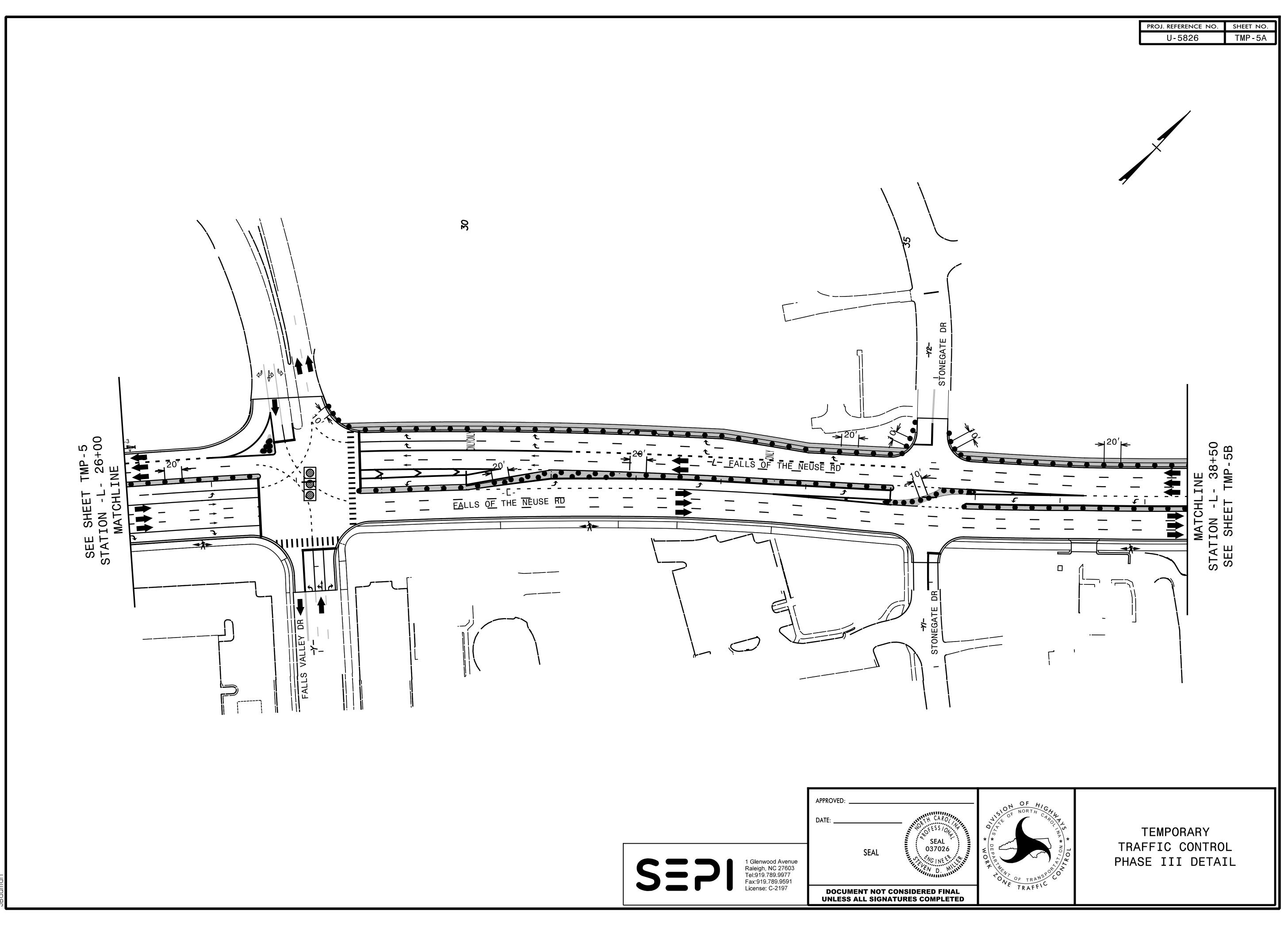


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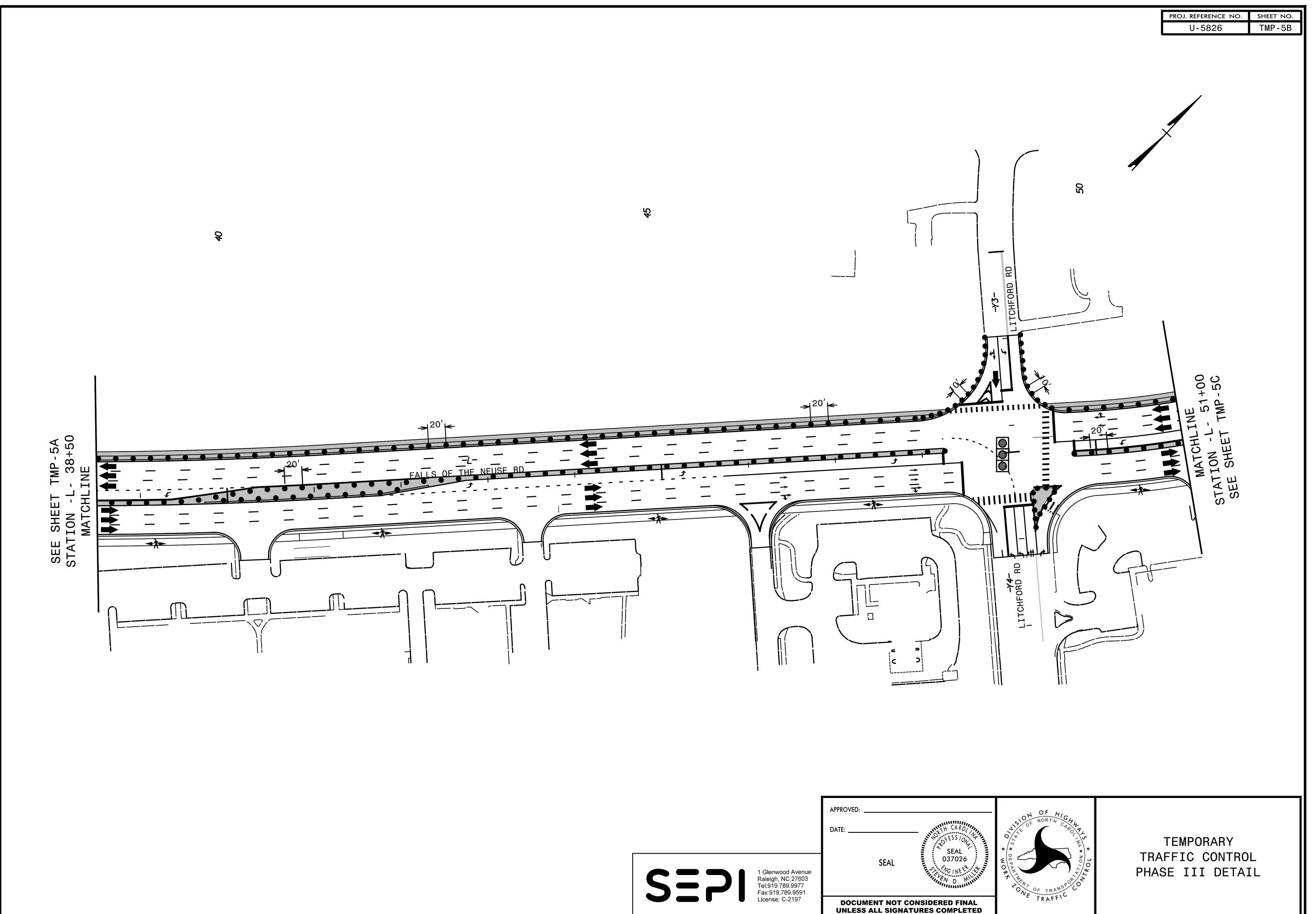


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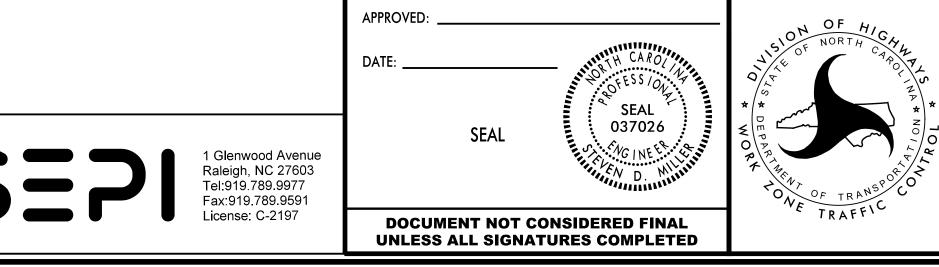
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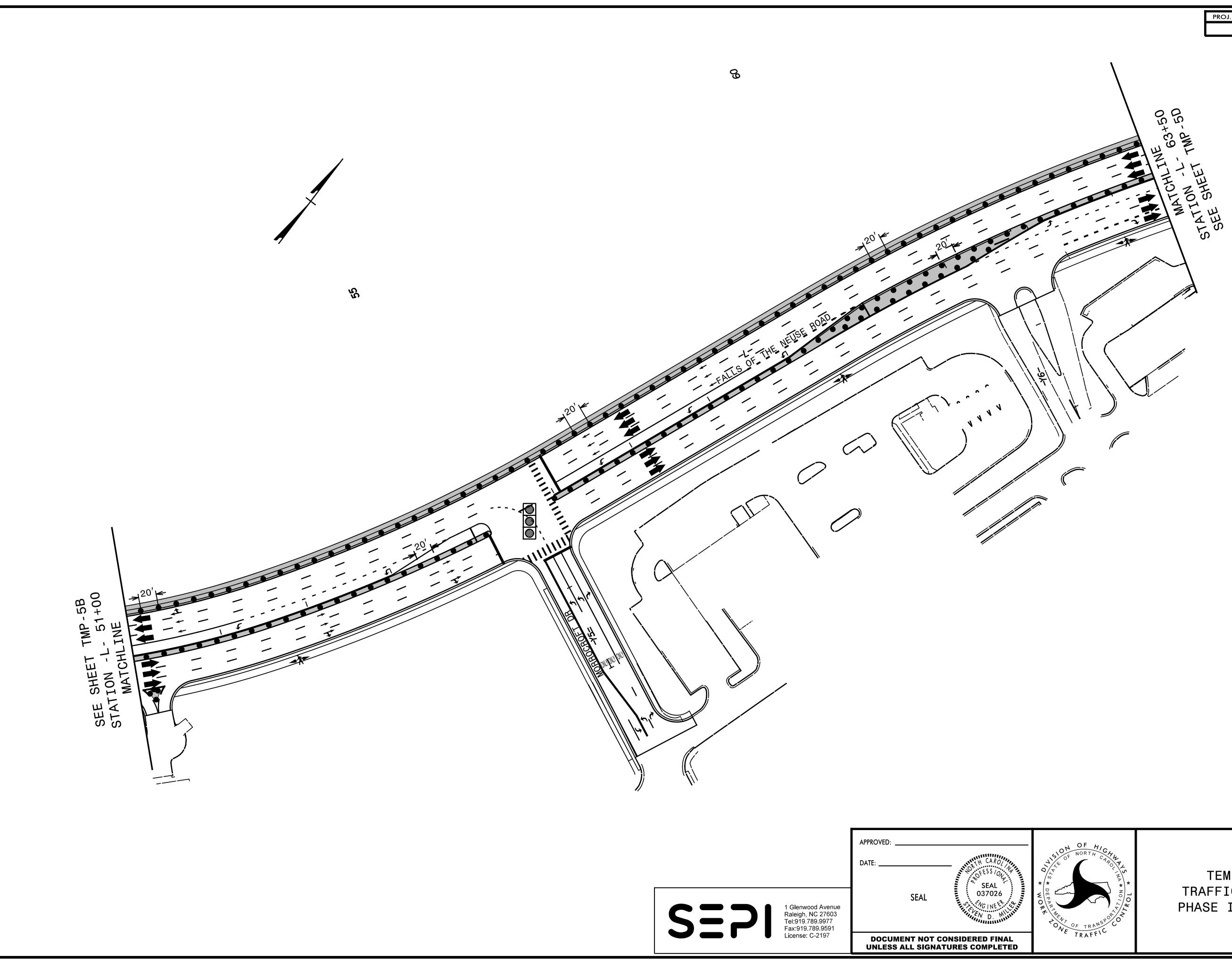


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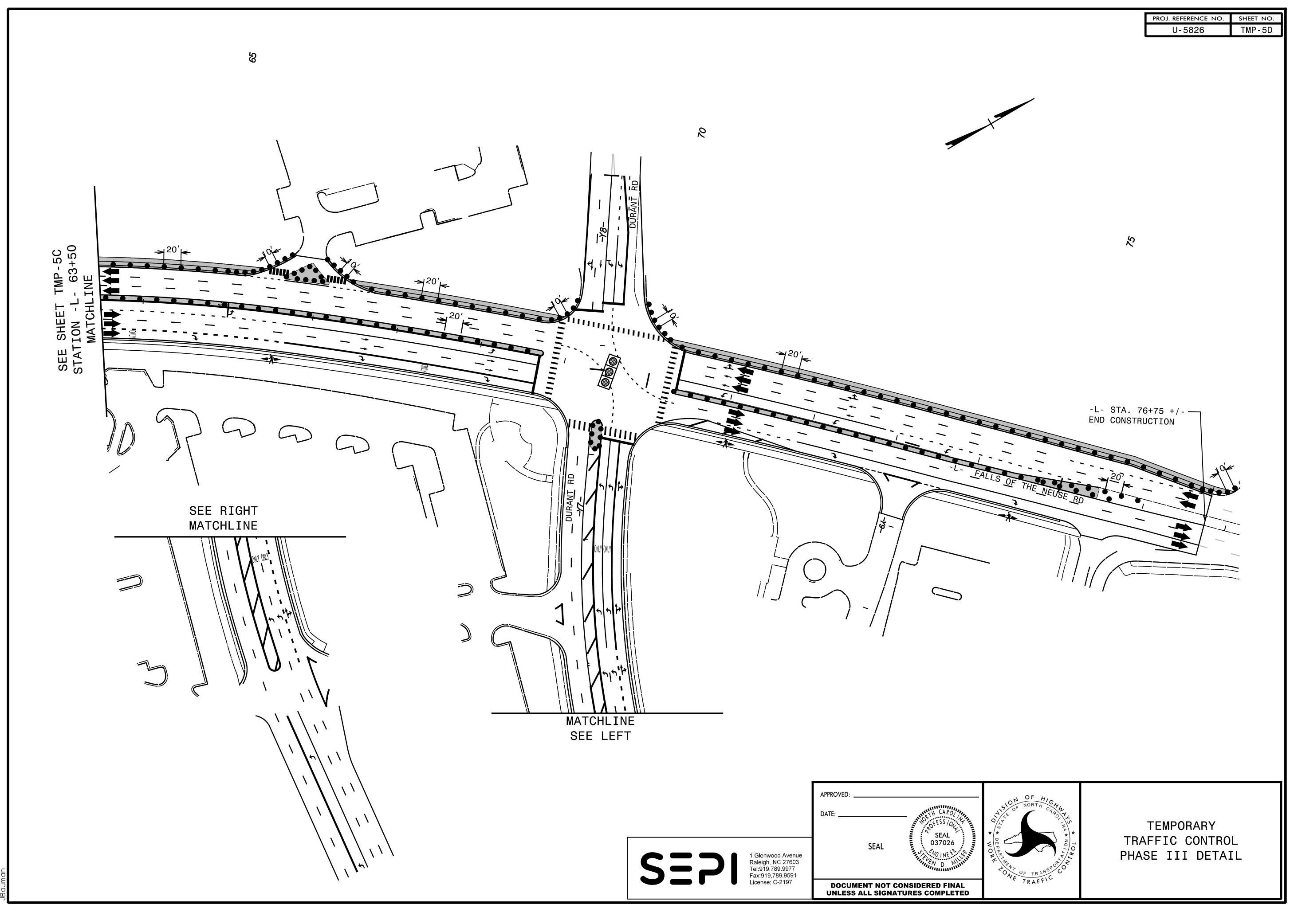


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PROJ. REFERENCE NO.	SHEET NO.
U-5826	TMP-5C

TEMPORARY TRAFFIC CONTROL PHASE III DETAIL



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