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ORTH CAROLINA OF HIGHWAYS MANAGEMENT PLAN N COUNTY	Imperation Implementation SHEET NO. Implementation TMP-1 TITLE SHEET, VICINITY MAP, AND INDEX OF SHEETS TMP-1 TITLE SHEET, VICINITY MAP, AND INDEX OF SHEETS TMP-1 LIST OF APPLICABLE ROADWAY STANDARD DRAWINGS, LEGEND, AND TEMPORARY PAVEMENT MARKING SCHEDULE TMP-2 TRANSPORTATION OPERATIONS PLAN: (MANAGEMENT STRATEGIES AND GENERAL NOTES) TMP-3 PHASING TMP-3A TEMPORARY SHORING NOTES/STANDARD DETAILS TMP-3B TEMPORARY SHORING NOTES TMP-4-8 PHASE I TMP-9-13 PHASE II TMP-14-18 PHASE III	SHEET NO. TMP-1
DCATION: SR 2528 (JULIAN ROAD) FROM US 601 (JAKE ALEXANDER BOULEVARD) TO SR 2667 (SUMMIT PARK DRIVE) IN SALISBURY. 'PE OF WORK: GRADING, DRAINAGE, PAVING, AND STRUCTURES 'PE OF WORK: GRADING, DRAINAGE, PAVING, AND STRUCTURES 'NCDOT CONTACTS: 'MAIT JONES, PE	DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED VINLESS ALL SIGNATURES COMPLETED APPROVED: DATE: DATE: DATE: SEAL	TIP PROJECT:

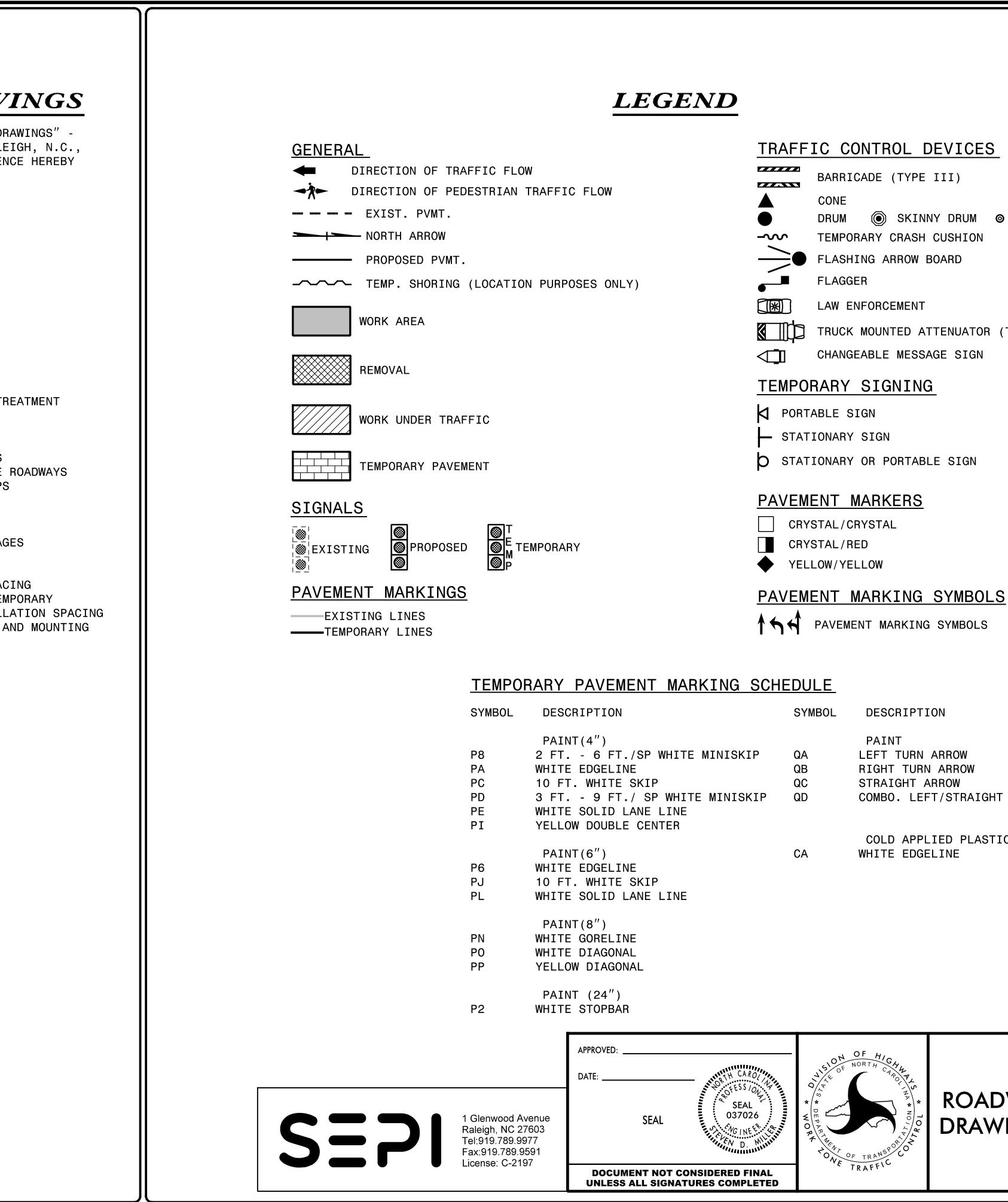
ROADWAY STANDARD DRAWINGS

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.

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1101.01	
1101.02	TEMPORARY LANE CLOSURES
1101.04	TEMPORARY SHOULDER CLOSURES
1101.05	WORK ZONE VEHICLE ACCESSES
1101.11	TRAFFIC CONTROL DESIGN TABLES
1110.01	STATIONARY WORK ZONE SIGNS
1110.02	PORTABLE WORK ZONE SIGNS
1115.01	FLASHING ARROW BOARDS
1130.01	DRUMS
1135.01	CONES
1150.01	FLAGGERS
1160.01	TEMPORARY CRASH CUSHION - REFLECTIVE END TR
1165.01	TRUCK MOUNTED ATTENUATOR
1170.01	PORTABLE CONCRETE BARRIER
1180.01	SKINNY - DRUM
1205.01	PAVEMENT MARKINGS - LINE TYPES AND OFFSETS
1205.02	PAVEMENT MARKINGS - TWO LANE AND MULTILANE
1205.03	PAVEMENT MARKINGS - EXIT AND ENTRANCE RAMPS
1205.04	PAVEMENT MARKINGS - INTERSECTIONS
1205.05	PAVEMENT MARKINGS - TURN LANES
1205.07	PAVEMENT MARKINGS - PEDESTRIAN CROSSWALKS
1205.08	PAVEMENT MARKINGS - SYMBOLS AND WORD MESSAG
1205.09	PAVEMENT MARKINGS - PAINTED ISLANDS
1205.12	PAVEMENT MARKINGS - BRIDGES
1250.01	RAISED PAVEMENT MARKERS - INSTALLATION SPAC
1251.01	RAISED PAVEMENT MARKERS - PERMANENT AND TEM
1261.01	GUARDRAIL AND BARRIER DELINEATORS - INSTALL
1261.02	GUARDRAIL AND BARRIER DELINEATORS - TYPES A
1262.01	GUARDRAIL END DELINEATION
1264.01	OBJECT MARKERS - TYPES
1264.02	OBJECT MARKERS - INSTALLATION



PROJ. REFERENCE NO.	SHEET NO.
U-5738	TMP-1A

TRAFFIC CONTROL DEVICES

	BARRICADE (TYPE III)
	CONE
ē	DRUM 🔘 SKINNY DRUM 🎯 TUBULAR MARKER
-~~	TEMPORARY CRASH CUSHION
\rightarrow	FLASHING ARROW BOARD
<u> </u>	FLAGGER
	LAW ENFORCEMENT
	TRUCK MOUNTED ATTENUATOR (TMA)
	CHANGEABLE MESSAGE SIGN
<u>TEMPO</u>	RARY SIGNING
DORT	ABLE SIGN
- STAT	IONARY SIGN
р stat	IONARY OR PORTABLE SIGN
PAVEM	ENT MARKERS
CRY	STAL/CRYSTAL
CRY	STAL/RED

	SYMBOL	DESCRIPTION
NISKIP	QA	PAINT LEFT TURN ARROW
	QB QC	RIGHT TURN ARROW STRAIGHT ARROW
INISKIP	QD	COMBO. LEFT/STRAIGHT ARROW
	СА	COLD APPLIED PLASTIC(4") WHITE EDGELINE

ROADWAY STANDARD DRAWINGS & LEGEND

-	LOCAL ACCESS TO ALL RESIDENCES AND BUSINESSES WILL BE MAINT AT ALL TIMES DURING CONSTRUCTION
-	PROVIDE ONE MONTH NOTICE TO THE ENGINEER, ROWAN COUNTY EMER SERVICES, AND ROWAN COUNTY SCHOOL OFFICIALS PRIOR TO ROAD C
	GENERAL NOTES
DRAN TO I OVEI SUPI	NGES MAY BE REQUIRED WHEN PHYSICAL DIMENSIONS IN THE DETAIL WINGS, STANDARD DETAILS, AND ROADWAY DETAILS ARE NOT ATTAINA MEET FIELD CONDITIONS OR RESULT IN DUPLICATE OR UNDESIRED RLAPPING OF DEVICES. MODIFICATION MAY INCLUDE: MOVING, PLEMENTING, COVERING, OR REMOVAL OF DEVICES AS DIRECTED BY T INEER.
THE	FOLLOWING GENERAL NOTES APPLY AT ALL TIMES FOR THE DURATION CONSTRUCTION PROJECT EXCEPT WHEN OTHERWISE NOTED IN THE PLA DIRECTED BY THE ENGINEER.
TIM	E RESTRICTIONS
A)	DO NOT CLOSE OR NARROW TRAVEL LANES AS FOLLOWS:
	ROAD NAME SR 2528 (JULIAN RD.), SR 2578 (KLUMAC RD.), & SR 2679 (CORF DAY AND TIME RESTRICTIONS
	MONDAY-FRIDAY 6:00 A.M9:00 A.M. AND 3:00 P.M8:00 P.M. SATURDAY 3:00 P.M8:00 P.M.
	ROAD NAME I-85 RAMPS/LOOPS & SR 1007 (JAKE ALEXANDER BLVD.)
	DAY AND TIME RESTRICTIONS MONDAY - SUNDAY 6:00 A.M9:00 P.M.
B)	DO NOT CLOSE OR NARROW TRAVEL LANES DURING HOLIDAYS AND SPE EVENTS AS FOLLOWS:
	ROAD NAME: SR 1007 (JAKE ALEXANDER BLVD.) AND I-85 RAMPS/LC
	HOLIDAY
	1. FOR ANY UNEXPECTED OCCURRENCE THAT CREATES UNUSUALLY HIG TRAFFIC VOLUMES, AS DIRECTED BY THE ENGINEER.
	2. FOR NEW YEAR'S, BETWEEN THE HOURS OF 6:00 A.M. DECEMBER TO 8:00 P.M. JANUARY 2ND. IF NEW YEAR'S DAY IS ON A FRI SATURDAY, SUNDAY, OR MONDAY THEN UNTIL 8:00 P.M. THE FOL TUESDAY.
	3. FOR EASTER, BETWEEN THE HOURS OF 6:00 A.M. THURSDAY AND P.M. MONDAY.
	4. FOR MEMORIAL DAY, BETWEEN THE HOURS OF 6:00 A.M. FRIDAY 8:00 P.M. TUESDAY.
	5. FOR INDEPENDENCE DAY, BETWEEN THE HOURS OF 6:00 A.M. THE DAY BEFORE INDEPENDENCE DAY AND 8:00 P.M. THE DAY AFTER INDEPENDENCE DAY.
	IF INDEPENDENCE DAY IS ON A FRIDAY, SATURDAY, SUNDAY, OF MONDAY THEN BETWEEN THE HOURS OF 6:00 A.M. THE THURSDAY INDEPENDENCE DAY AND 8:00 P.M. THE TUESDAY AFTER INDEPEN DAY.
	6. FOR LABOR DAY, BETWEEN THE HOURS OF 6:00 A.M. FRIDAY AND 8:00 P.M. TUESDAY.
	7. FOR THANKSGIVING DAY, BETWEEN THE HOURS OF 6:00 A.M. TUE TO 8:00 P.M. MONDAY.
	8. FOR CHRISTMAS, BETWEEN THE HOURS OF 6:00 A.M. THE FRIDAY BEFORE THE WEEK OF CHRISTMAS DAY AND 8:00 P.M. THE FOLLO TUESDAY AFTER THE WEEK OF CHRISTMAS.
C)	DO NOT CONDUCT ANY HAULING OPERATIONS AGAINST THE FLOW OF T OF AN OPEN TRAVELWAY UNLESS THE HAULING OPERATION IS PROTEC BARRIER OR GUARDRAIL OR AS DIRECTED BY THE ENGINEER.
LAN	E AND SHOULDER CLOSURE REQUIREMENTS
D)	REMOVE LANE CLOSURE DEVICES FROM THE LANE WHEN WORK IS NOT PERFORMED BEHIND THE LANE CLOSURE OR WHEN A LANE CLOSURE IS LONGER NEEDED OR AS DIRECTED BY THE ENGINEER.
E)	WHEN PERSONNEL AND/OR EQUIPMENT ARE WORKING WITHIN 15 FT OF OPEN TRAVEL LANE, CLOSE THE NEAREST OPEN SHOULDER USING ROA STANDARD DRAWING NO. 1101.04 UNLESS THE WORK AREA IS PROTED

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AINED	ADJACENT TO AN UNDIV OPEN TRAVEL LANE, CLO ROADWAY STANDARD DRAV	R EQUIPMENT ARE WORKING ON THE SHOULDER IDED FACILITY AND WITHIN 5 FT OF AN OSE THE NEAREST OPEN TRAVEL LANE USING WING NO. 1101.02 UNLESS THE WORK AREA I	ALL TIMES DURING THE INSTALLATION AND REMOVAL OF THE BARRIER BY EITHER A TRUCK MOUNTED ATTENUATOR (MAXIMUM 72 HOURS) OR A
RGENCY CLOSURE	ADJACENT TO A DIVIDE TRAVEL LANE, CLOSE TH STANDARD DRAWING NO.	R EQUIPMENT ARE WORKING ON THE SHOULDER D FACILITY AND WITHIN 10 FT OF AN OPEN HE NEAREST OPEN TRAVEL LANE USING ROADW 1101.02 UNLESS THE WORK AREA IS PROTEC	WAY FROM ONCOMING TRAFFIC AS FOLLOWS OR AS SHOWN IN THE PLANS:
ABLE	 BARRIER OR GUARDRAIL G) WHEN PERSONNEL AND/OF TRAVEL OF AN UNDIVIDE ACCORDING TO THE TRAF 		POSTED SPEED LIMIT MINIMUM OFFSET 40 OR LESS 15 FT 45 - 50 20 FT 55 55 25 FT
THE N OF	PERSONNEL AND/OR EQU:H) DO NOT WORK SIMULTANE	E ENGINEER. CONDUCT THE WORK SO THAT AL IPMENT REMAIN WITHIN THE CLOSED TRAVEL EOUSLY WITHIN 15 FT ON BOTH SIDES OF AN LOOP WITHIN THE SAME LOCATION UNLESS	LANE. N OPEN P) WHEN LANE CLOSURES ARE NOT IN EFFECT SPACE CHANNELIZING DEVICES
	PROTECTED WITH GUARD	RAIL OR BARRIER.	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
		OPE UP TO THE EDGE AND ELEVATION OF EXI JACENT TO AN OPENED TRAVEL LANE THAT HA P-OFF AS FOLLOWS:	ISTING 1180 (SKINNY DRUMS) FOR ADDITIONAL REQUIRÉMENTS.
PORATE CR.)	SPEED LIMITS OF 45 M	HAT EXCEED 2 INCHES ON ROADWAYS WITH PO PH OR GREATER. HAT EXCEED 3 INCHES ON ROADWAYS WITH PO	OSTED R) PLACE ADDITIONAL SETS OF THREE CHANNELIZING DEVICES (DRUMS) PERPENDICULAR TO THE EDGE OF TRAVELWAY ON 500 FT CENTERS WHEN
	SPEED LIMITS LESS THAT BACKFILL WITH SUITAB		PAVEMENT MARKINGS AND MARKERS THE S) INSTALL TEMPORARY PAVEMENT MARKINGS AND TEMPORARY PAVEMENT
ECIAL	J) DO NOT EXCEED A DIFFE LANES OF TRAFFIC FOR ADVANCE WARNING "UNE	ERENCE OF 2 INCHES IN ELEVATION BETWEEN NOMINAL LIFTS OF 1.5 INCHES. INSTALL VEN LANES" SIGNS (W8-11) 350 FEET IN AD RY HALF MILE THROUGHOUT THE UNEVEN AREA	MARKERS ON INTERIM LAYERS OF PAVEMENT AS FOLLOWS: N OPEN ROAD NAME DVANCE A N OPEN ROAD NAME ROAD NAME ROAD NAME N OPEN N OPE
DOPS	TRAFFIC PATTERN ALTERATIO		 SR 2540 (WEST RITCHIE RD.) SR 2540 (WEST RITCHIE RD.) PAINT PAINT PERPORARY RAISED T) PLACE ONE APPLICATION OF PAINT FOR TEMPORARY TRAFFIC PATTERNS. PLACE A SECOND APPLICATION OF PAINT SIX (6) MONTHS AFTER THE
GH	SIGNING		INITIAL APPLICATION AND EVERY SIX MONTHS AS DIRECTED BY THE ENGINEER. U) TIE PROPOSED PAVEMENT MARKING LINES TO EXISTING PAVEMENT MARKING
31ST DAY, _LOWING	40 FT FROM THE EDGE (ZONE WARNING SIGNS WHEN WORK IS WITHIN OF TRAVEL LANE AND NO MORE THAN THREE E BEGINNING OF CONSTRUCTION.	V) REMOVE/REPLACE ANY CONFLICTING/DAMAGED PAVEMENT MARKING AND
8:00	M) ENSURE ALL NECESSARY TRAFFIC PATTERN. TRAFFIC BARRIER	SIGNING IS IN PLACE PRIOR TO ALTERING	
то =	N) INSTALL TEMPORARY BAR MANAGEMENT PLANS A MA WORK IN ANY LOCATION LOCATION PROCEED IN A WORK IN THAT LOCATION	RRIER ACCORDING TO THE TRANSPORTATION AXIMUM OF TWO (2) WEEKS PRIOR TO BEGINN . ONCE TEMPORARY BARRIER IS INSTALLED A A CONTINUOUS MANNER TO COMPLETE THE PRO N UNLESS OTHERWISE STATED IN THE EMENT PLANS OR AS DIRECTED BY THE ENGIN	DELINEATE ANY PROPOSED MONOLITHIC ISLANDS. NING AT ANY OPOSED NFFB DELINEATE ANY PROPOSED MONOLITHIC ISLANDS. MISCELLANEOUS MISCELLANEO
R BEFORE NDENCE	CONCRETE.	DIRECTLY ON ANY SURFACE OTHER THAN ASP	DELINEATE THE EDGE OF ROADWAY ALONG UNPAVED AREAS.
	PERFORMED BEHIND THE TWO (2) MONTHS, REMOV DEPARTMENT UNLESS OTH MANAGEMENT PLANS, TEM	ER IS INSTALLED AT ANY LOCATION AND NO TEMPORARY BARRIER FOR A PERIOD LONGER VE / RESET TEMPORARY BARRIER AT NO COST HERWISE STATED IN THE TRANSPORTATION MPORARY BARRIER IS PROTECTING A HAZARD,	THAN ON PAVEMENT MARKING PLANS OR AS DIRECTED BY THE ENGINEER IN T TO THE COORDINATION WITH THE SIGNING AND DELINEATION UNIT.
ESDAY ()WING	THE UPSTREAM SIDE OF	NEER. RRIER WITH THE TRAFFIC FLOW BEGINNING W TRAFFIC. REMOVE TEMPORARY BARRIER AGAI INNING WITH THE DOWNSTREAM SIDE OF TRAF	INST
TRAFFIC CTED BY	INSTALL AND SPACE DRU LIMIT (MPH) TO CLOSE	UMS NO GREATER THAN TWICE THE POSTED SP OR KEEP THE SECTION OF THE ROADWAY CLO BARRIER CAN BE PLACED OR AFTER THE	PEED
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F AN ADWAY CTED BY			APPROVED:
		1 Glenwood Avenue Raleigh, NC 27603	SEAL SEAL SEAL SEAL STATIONS
		See P Raleigh , NC 27603 Tel:919.789.9977 Fax:919.789.9591 License: C-2197	

10/27/2021 X:\2016\R016.008.00_U-5738\Traffic\TrafficControl\TCP\U-5738 TMP-3.dgn PHASING

PHASE I

STEP 1: USING ROADWAY STANDARD DRAWING (RSD) 1101.01 SHEET 2 AND 3 OF 3, PLACE ADVANCE WARNING SIGNS ON SR 2528 (JULIAN ROAD) AND -Y-LINES.

STEP 2: WITH TRAFFIC IN THE EXISTING PATTERN AND USING RSD 1101.02 SHEET 1 OF 14 AND RSD 1101.04 SHEET 1 OF 1. BEGIN CONSTRUCTION ON THE LEFT SIDE OF -L- INCLUDING -Y- LINES AS SHOWN ON TMP-4-8 FROM STA 13+00 +/- TO STA 79+64 +/- UP TO BUT NOT INCLUDING THE FINAL LAYER OF SURFACE COURSE.

- STEP 3: USING RSD 1101.02 SHEET 1 OF 14, COMPLETE THE CULVERT AND A PORTION OF THE PROPOSED BRIDGE OVER TOWN CREEK AND THE LEFT SIDE OF -L- AS SHOWN ON TMP-4 THROUGH TMP-8 UP TO BUT NOT INCLUDING THE FINAL LAYER OF SURFACE COURSE.
- STEP 4: USING RSD 1101.02 SHEET 1 OF 14, PERFORM THE FOLLOWING IN A CONTINUOUS MANNER:
 - USE WEDGING TO CREATE A TIE-IN FROM THE EXISTING PATTERN TO THE PHASE II PATTERN AS SHOWN ON TMP-5 AND ON TMP-8.
 - PLACE TEMPORARY PAVEMENT MARKINGS AS SHOWN ON TMP-5 AND ON TMP-6. THROUGH TMP-13.
 - MOVE DEVICES AND SHIFT TRAFFIC TO THE PHASE II PATTERN.

PHASE II

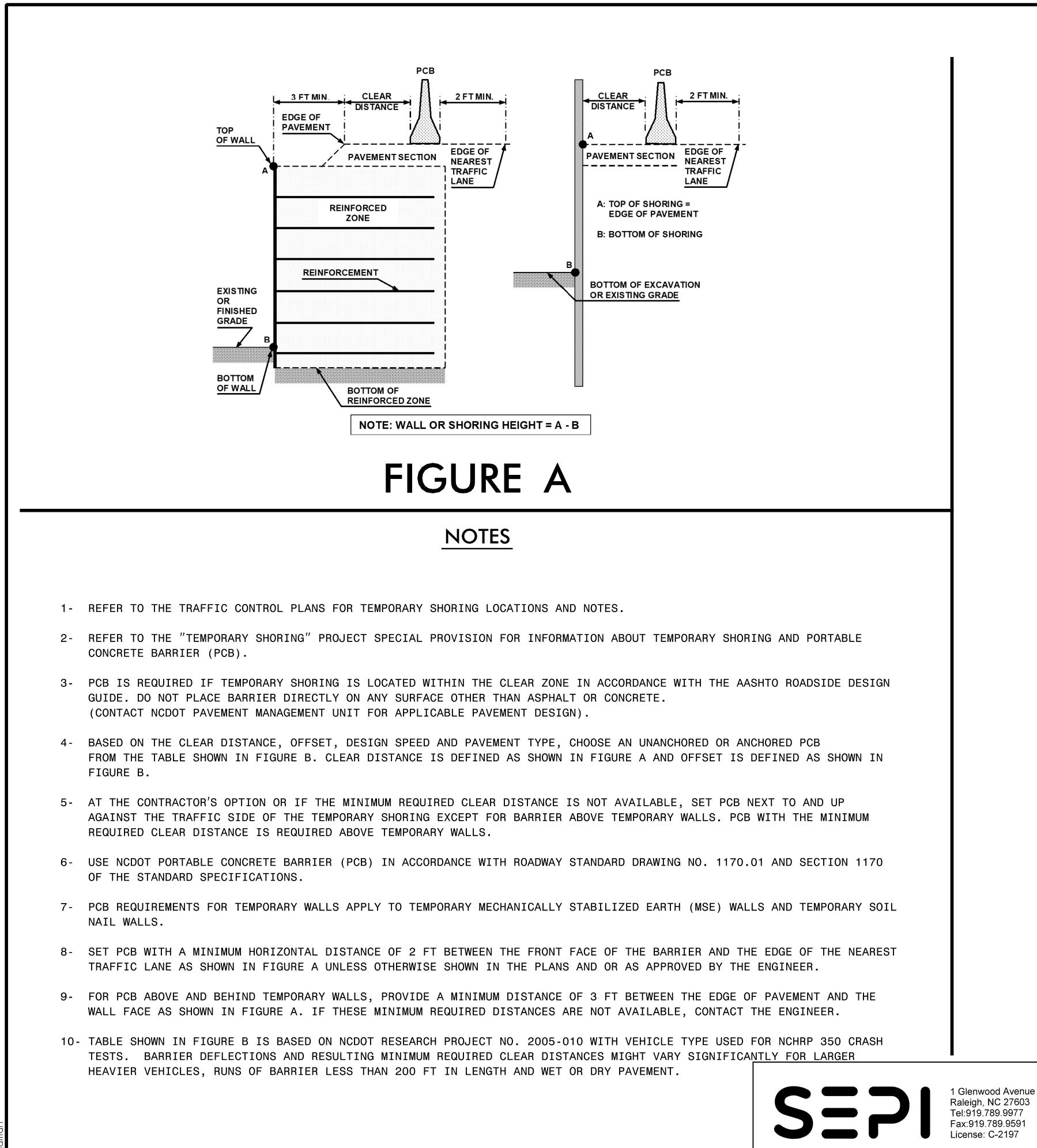
- STEP 1: WITH TRAFFIC IN THE PHASE II PATTERN AND USING RSD 1101.02 SHEET 1 AND 3 OF 14 AND RSD 1101.04 SHEET 1 OF 1. CONSTRUCT THE RIGHT SIDE OF -L- AND -Y- LINES AS SHOWN ON TMP-9-13 FROM STA 32+50 +/- TO STA 79+50 +/- UP TO BUT NOT INCLUDING THE FINAL LAYER OF SURFACE COURSE.
- STEP 2: USING RSD 1101.02 SHEET 1 OF 14 AND RSD 1101.04 SHEET 1 OF 1, COMPLETE THE PROPOSED BRIDGE OVER TOWN CREEK UP TO BUT NOT INCLUDING THE FINAL LAYER OF SURFACE COURSE.
- STEP 3: USING RSD 1101.02 SHEET 1 AND 3 OF 14 AND RSD 1101.04 SHEET 1 OF 1. CONSTRUCT I-85 RAMP A, AS SHOWN ON TMP-9, UP TO BUT NOT INCLUDING THE FINAL LAYER OF SURFACE COURSE.
- STEP 4: USING RSD 1101.02 SHEET 1 OF 14, PLACE THE FINAL LAYER OF SURFACE COURSE AND FINAL PAVEMENT MARKINGS ACCORDING TO THE PAVEMENT MARKING PLANS. ACTIVATE FINAL SIGNALS AND SHIFT TRAFFIC TO THE FINAL PATTERN.

PHASE III

- STEP 1: USING RSD 1101.02 SHEET 3 OF 14 AND RSD 1101.04 SHEET 1 OF 1 AS NECESSARY, BEGIN CONSTRUCTION OF MONOLITHIC ISLANDS ON RAMPS, -L-, AND ALL -Y- LINES AS SHOWN ON TMP-14-18.
- STEP 2: COMPLETE CONSTRUCTION OF ALL MONOLITHIC ISLANDS
- STEP 3: REMOVE ALL WORK ZONE TRAFFIC CONTROL DEVICES.

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MINIMUM REQUIRED CLEAR DISTANCE, inches								
Barrier	Pavement	Offset *	Design Speed, mph					
Туре	Type	ft	<30	31-40	41-50	51-60	61-70	71-80
		<8	24	26	29	32	36	40
		8-14	26	28	31	35	38	42
		14-20	27	29	34	36	39	43
		20-26	28	31	35	38	40	44
	Asphalt	26-32	29	32	36	39	42	45
	Tisphart	32-38	30	34	38	41	43	46
B		38-44	31	34	41	43	45	48
PCB		44-50	31	35	41	43	46	49
q		50-56	32	36	42	44	47	50
re		>56	32	36	42	45	47	51
Unanchored		<8	17	18	21	22	25	26
nc		8-14	19	20	23	25	26	29
na		14-20	22	22	24	26	28	31
n		20-26	23	24	26	27	30	34
	Concrete	26-32	24	25	27	28	32	35
		32-38	24	26	27	30	33	36
		38-44	25	26	28	30	34	37
		44-50	26	26	28	32	35	37
		50-56	26	26	28	32	35	38
		>56	26	27	29	32	36	38
Anchored PCB	Asphalt	All Offsets		24 f	or All D	esign Sp	eeds	
Anchored PCB	Concrete (including bridge approach slabs)	All Offsets		12 f	or All D	esign Sp	eeds	

* See Figure Below

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MINIMUM DECLIDED CLEAD DISTANCE :-

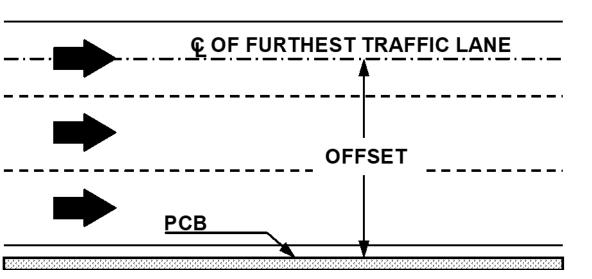
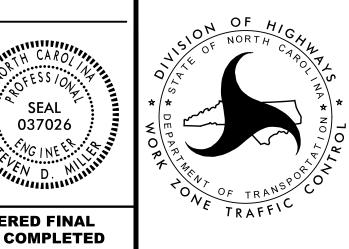


FIGURE B



TEMPORARY SHORING NOTES/STANDARD DETAILS

THE TEMPORARY SHORING NOTES SHOWN ON THIS THROUGH A SEALED DOCUMENT FROM HDR ENGINEE CAROLINAS. THE DOCUMENT WAS SUBMITTED TO S 2021 AND SEALED BY A PROFESSIONAL ENGINEER JR., P.E. LICENSE # 038206

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TEMPORARY SHORING NOTES

FOR TEMPORARY SHORING AND POSITIVE PROTECTION FOR TEMPORARY SHORING, SEE PLANS, TEMPORARY SHORING PROVISION, AND TEMPORARY SOIL NAIL WALLS PROVISION.

BEFORE BEGINNING TEMPORARY SHORING DESIGN OR CONSTRUCTION, SURVEY EXISTING GROUND ELEVATIONS IN THE VICINITY OF SHORING LOCATIONS TO DETERMINE ACTUAL SHORING HEIGHTS.

DRIVEN PILING FOR TEMPORARY SHORING FROM STATION STATION -L- 69+85±, 0 FT RT, TO STATION -L- 70+20±, 0 FT RT AND FROM STATION -L- 71+25±, 0 FT RT, TO STATION -L- 71+57±, O FT RT WILL NOT PENETRATE TO THE REQUIRED DEPTHS PROVIDED IN STANDARD DETAIL NO. 1801.01 DUE TO OBSTRUCTIONS, VERY DENSE OR HARD SOIL, BOULDERS, OR WEATHERED OR HARD ROCK.

DESIGN TEMPORARY SHORING FROM STATION -L- 69+85±, 0 FT RIGHT, TO STATION -L- 70+20±, 0 FT RIGHT, AND -L- 71+25±, 0 FT RIGHT, TO STATION -L- 71+57±, 0 FT RIGHT, FOR THE FOLLOWING ASSUMED SOIL PARAMETERS AND GROUNDWATER ELEVATION:

ABOVE ELEVATION 706 FT

UNIT WEIGHT $(\gamma) = 120$ PCF

FRICTION ANGLE $(\phi) = 30$ DEGREES

COHESION (c) = 0 PSF

GROUNDWATER ELEVATION = 711 FT

BELOW ELEVATION 706 FT

UNIT WEIGHT $(\gamma) = 125$ PCF

FRICTION ANGLE $(\phi) = 34$ DEGREES

COHESION (c) = 0 PSF

BELOW ELEVATION 698 FT

UNIT WEIGHT $(\gamma) = 125$ PCF

FRICTION ANGLE $(\phi) = 40$ DEGREES

COHESION (c) = 0 PSF

AT THE CONTRACTOR'S OPTION, USE STANDARD TEMPORARY SHORING FOR TEMPORARY SHORING FROM STATION -L- 69+85±, 0 FT RIGHT, TO STATION -L-70+20±, 0 FT RIGHT, AND -L- 71+25±, 0 FT RIGHT, TO STATION -L- 71+57±, 0 FT RIGHT. SEE GEOTECHNICAL STANDARD DETAIL NO. 1801.01 FOR STANDARD TEMPORARY SHORING.

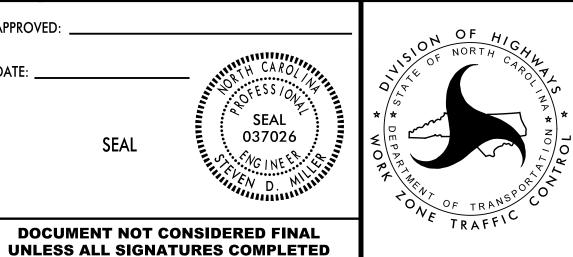
IT MAY BE PREFERRED TO USE A TEMPORARY SOIL NAIL WALL FOR TEMPORARY SHORING FROM STATION -L- 69+85±, 0 FT RIGHT, TO STATION -L- 70+20±, 0 FT RIGHT, AND -L- 71+25±, 0 FT RIGHT, TO STATION -L- 71+57±, 0 FT RIGHT. FOR TEMPORARY SOIL NAIL WALLS, SEE TEMPORARY SOIL NAIL WALLS PROVISION.

DO NOT USE A TEMPORARY WALL FOR TEMPORARY SHORING FROM STATION -L-69+85±, 0 FT RT, TO STATION -L- 70+20±, 0 FT RT AND FROM STATION -L-71+25±, 0 FT RT, TO STATION -L- 71+57±, 0 FT.

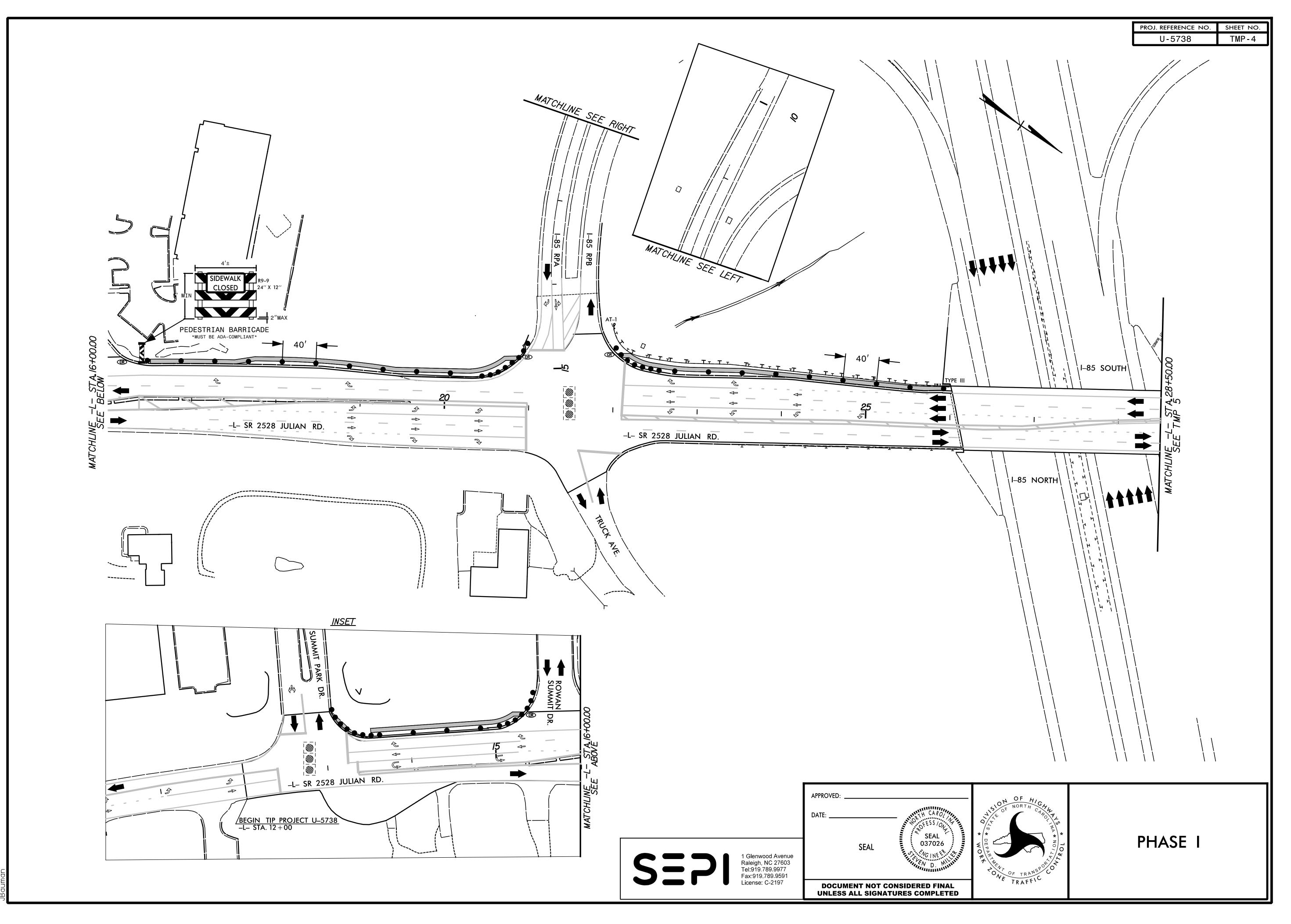
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SEPI, INC.	ON	OCTOBER	8,
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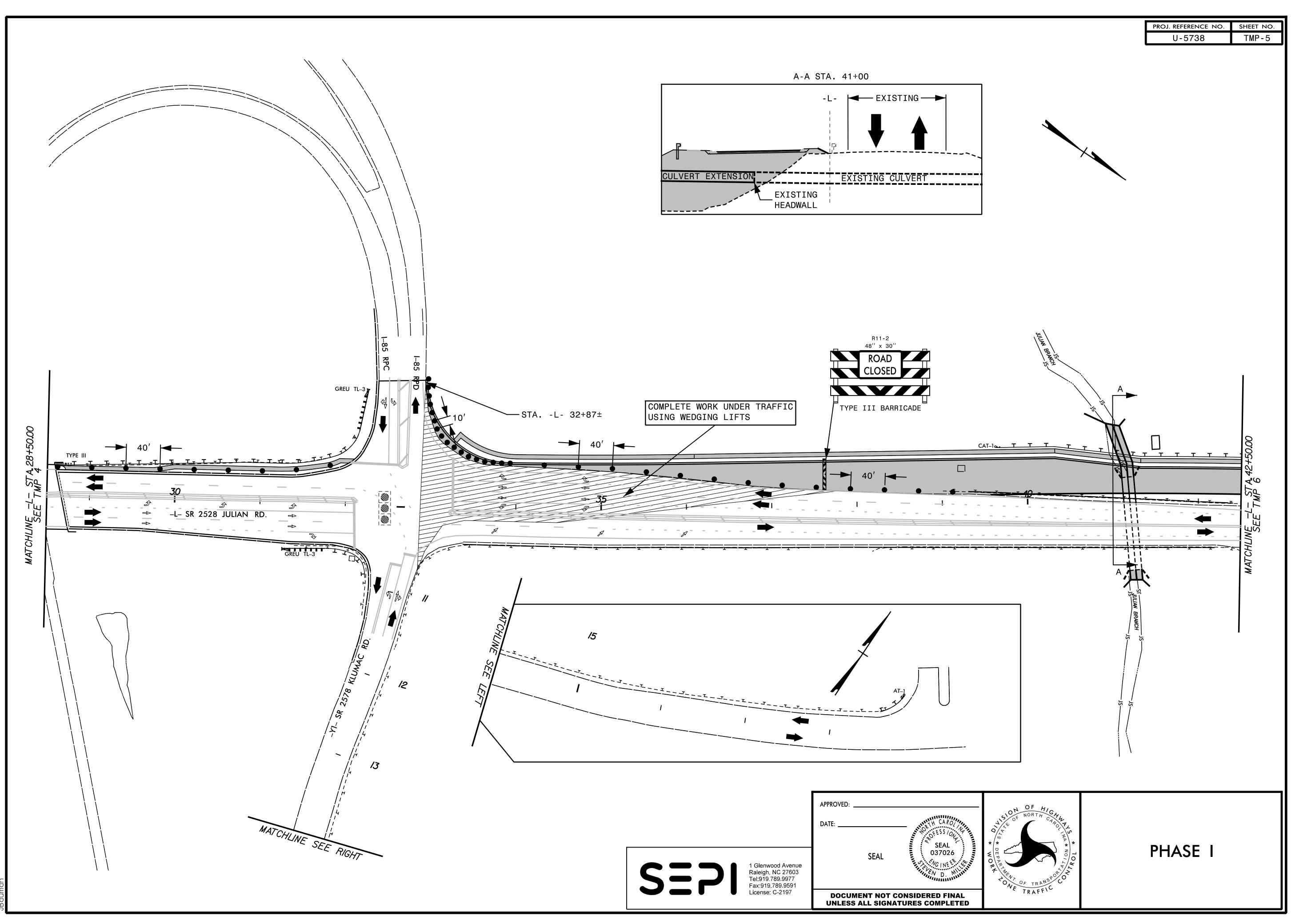
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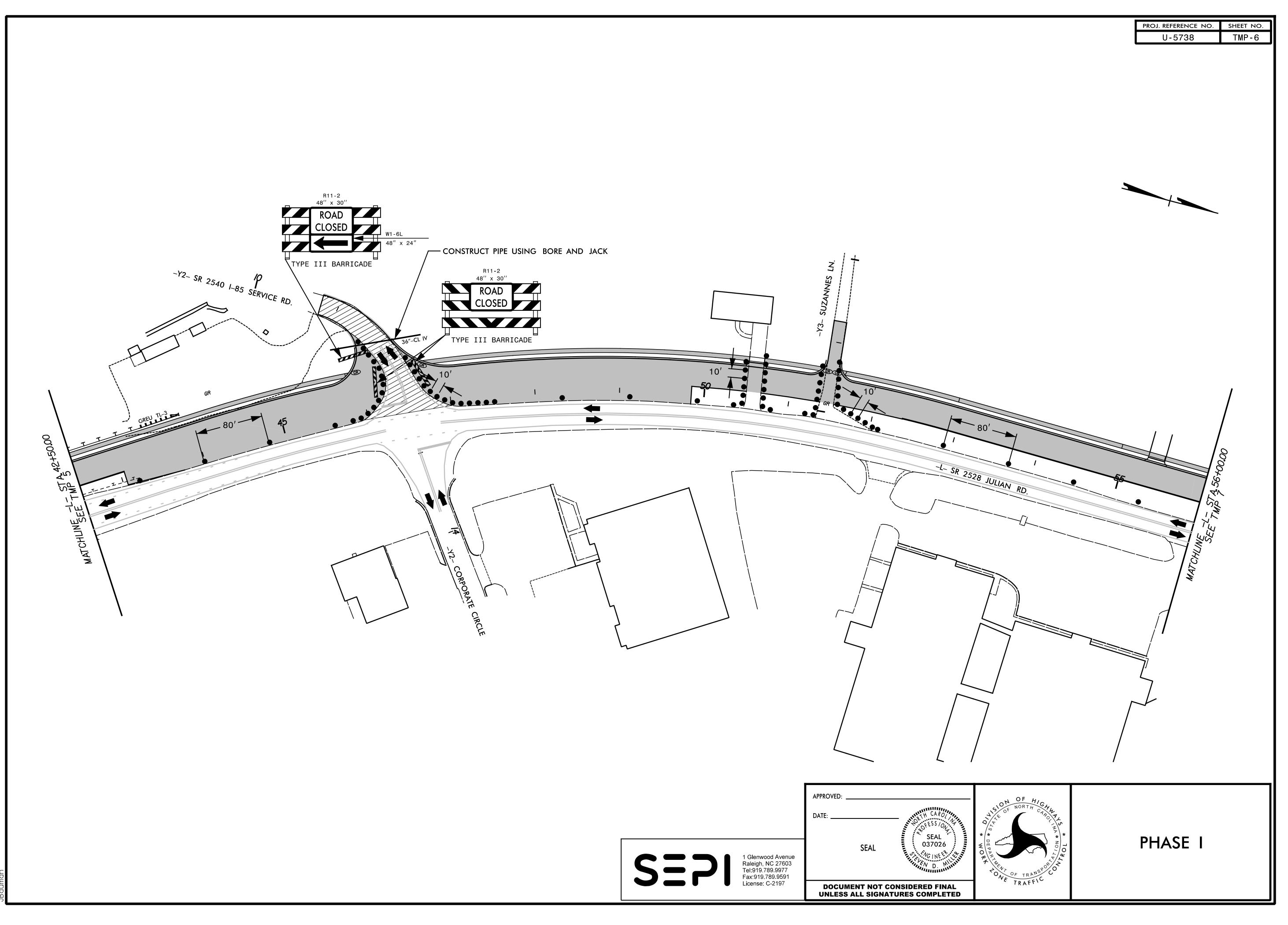
TEMPORARY SHORING NOTES



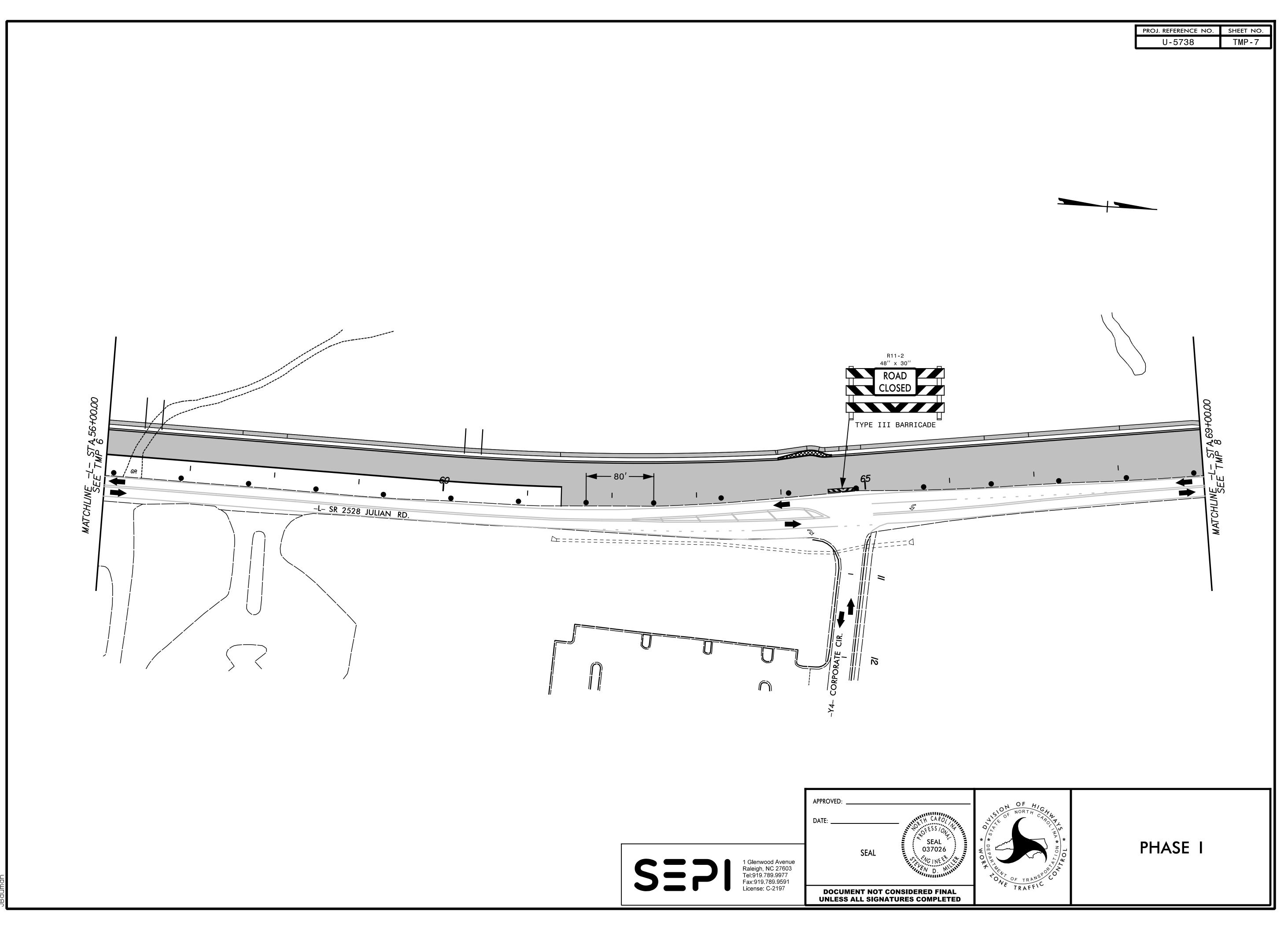
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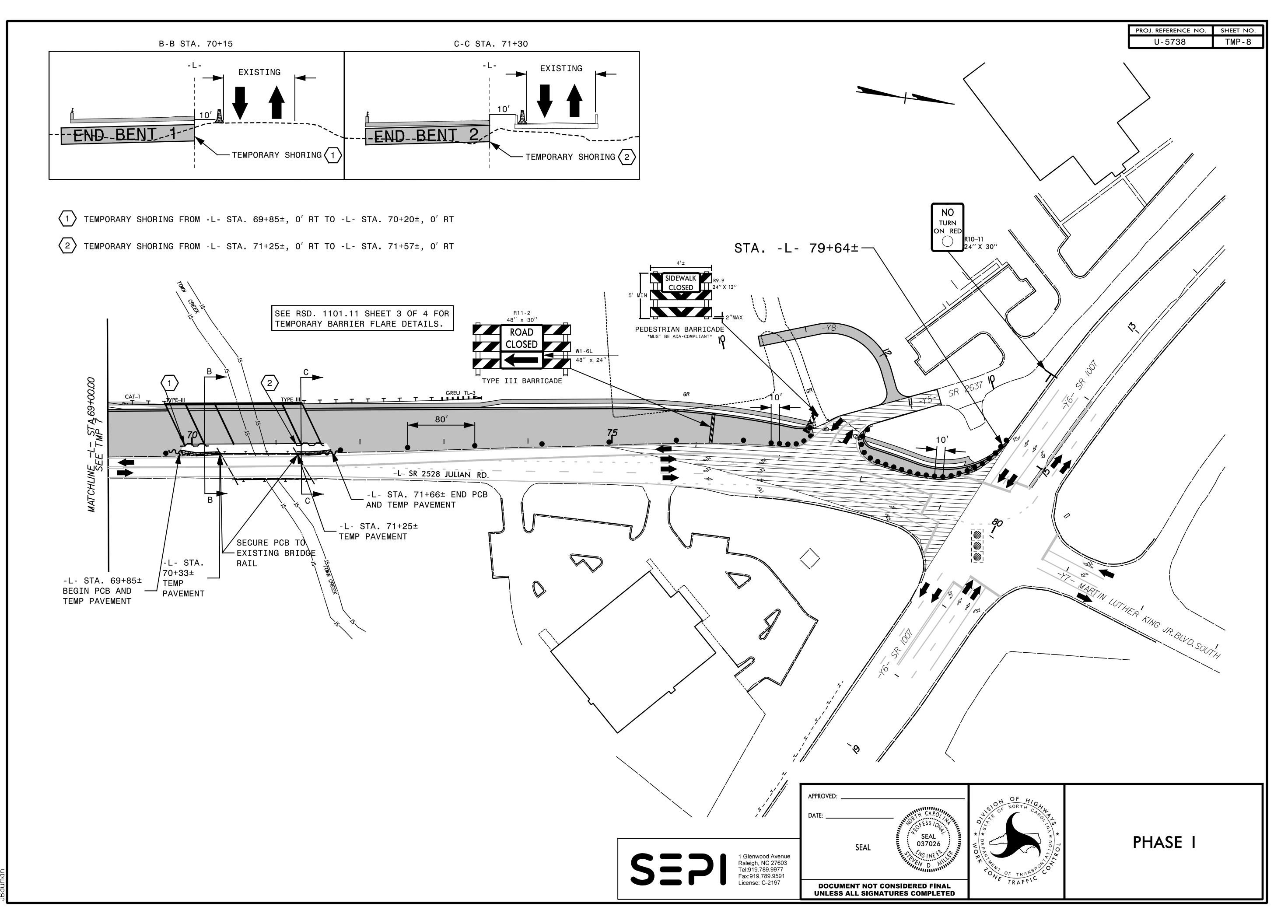
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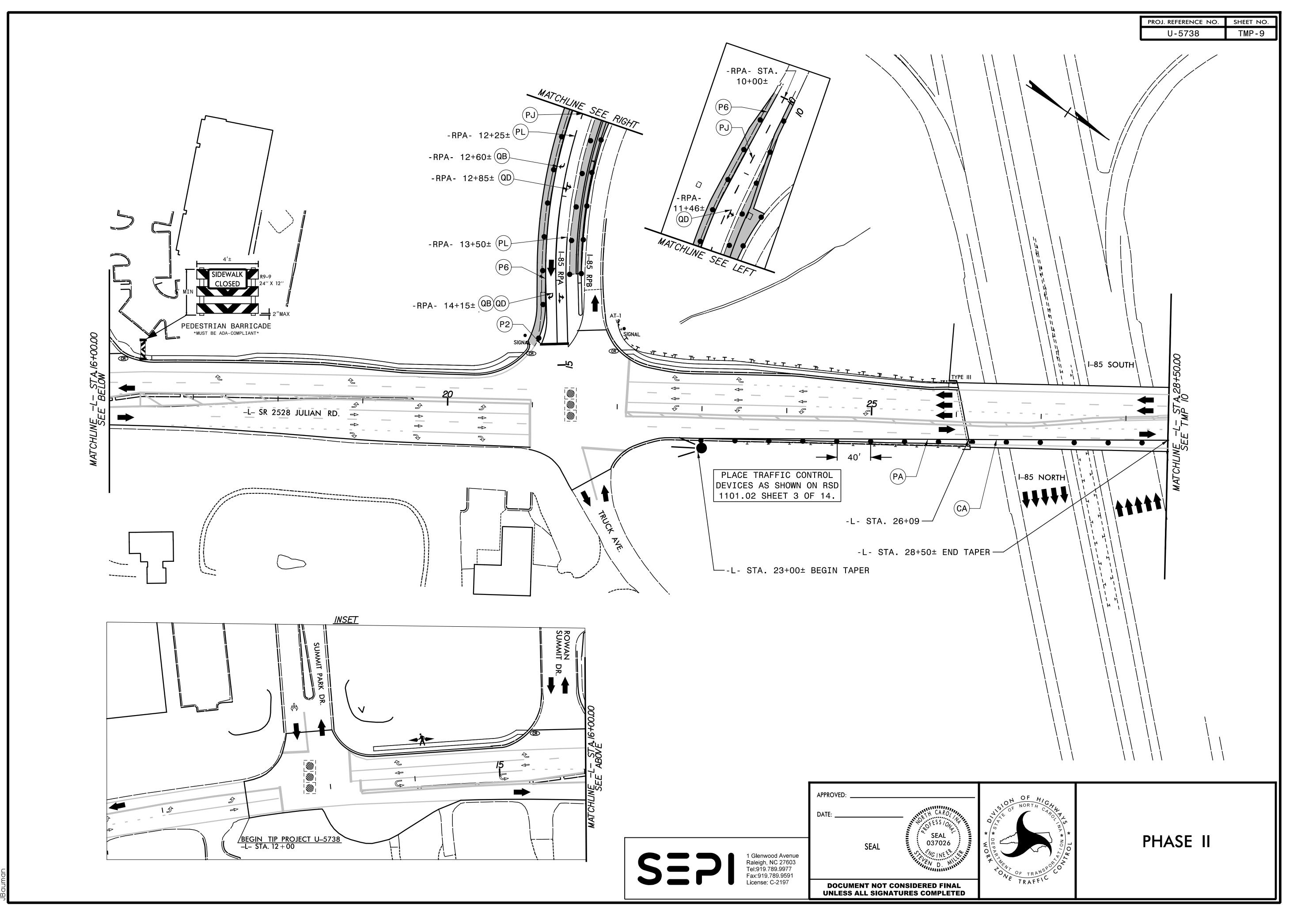
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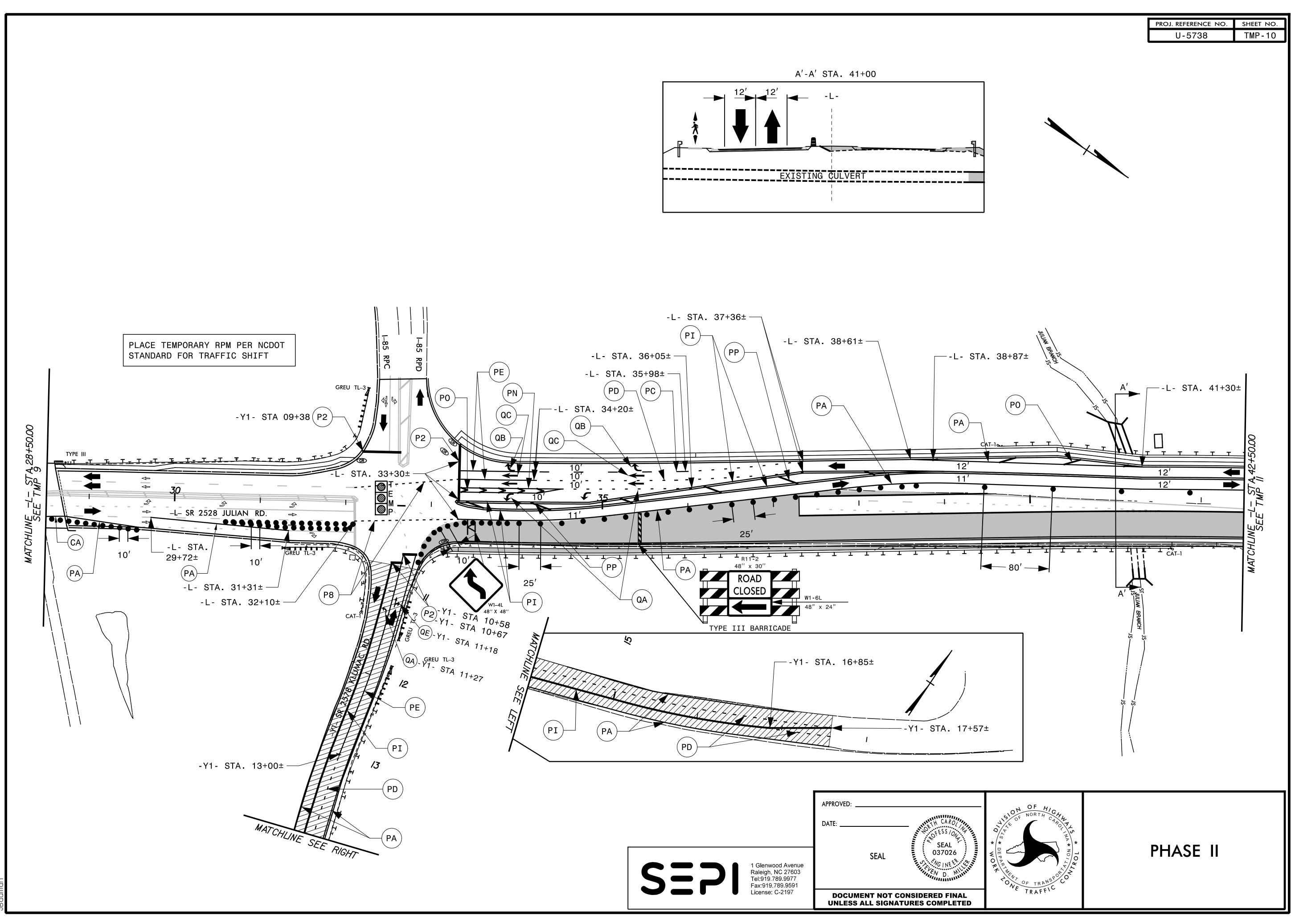
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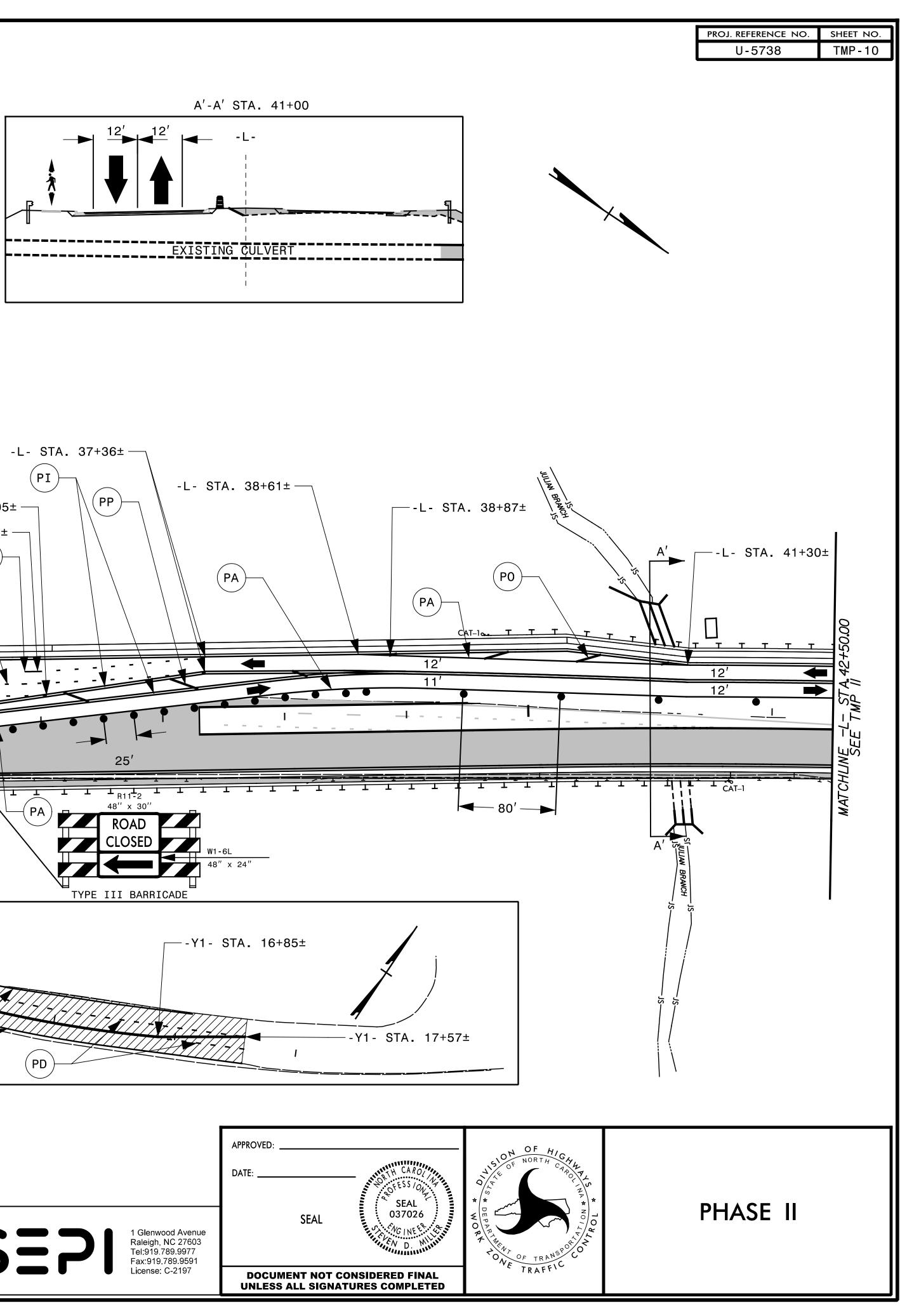
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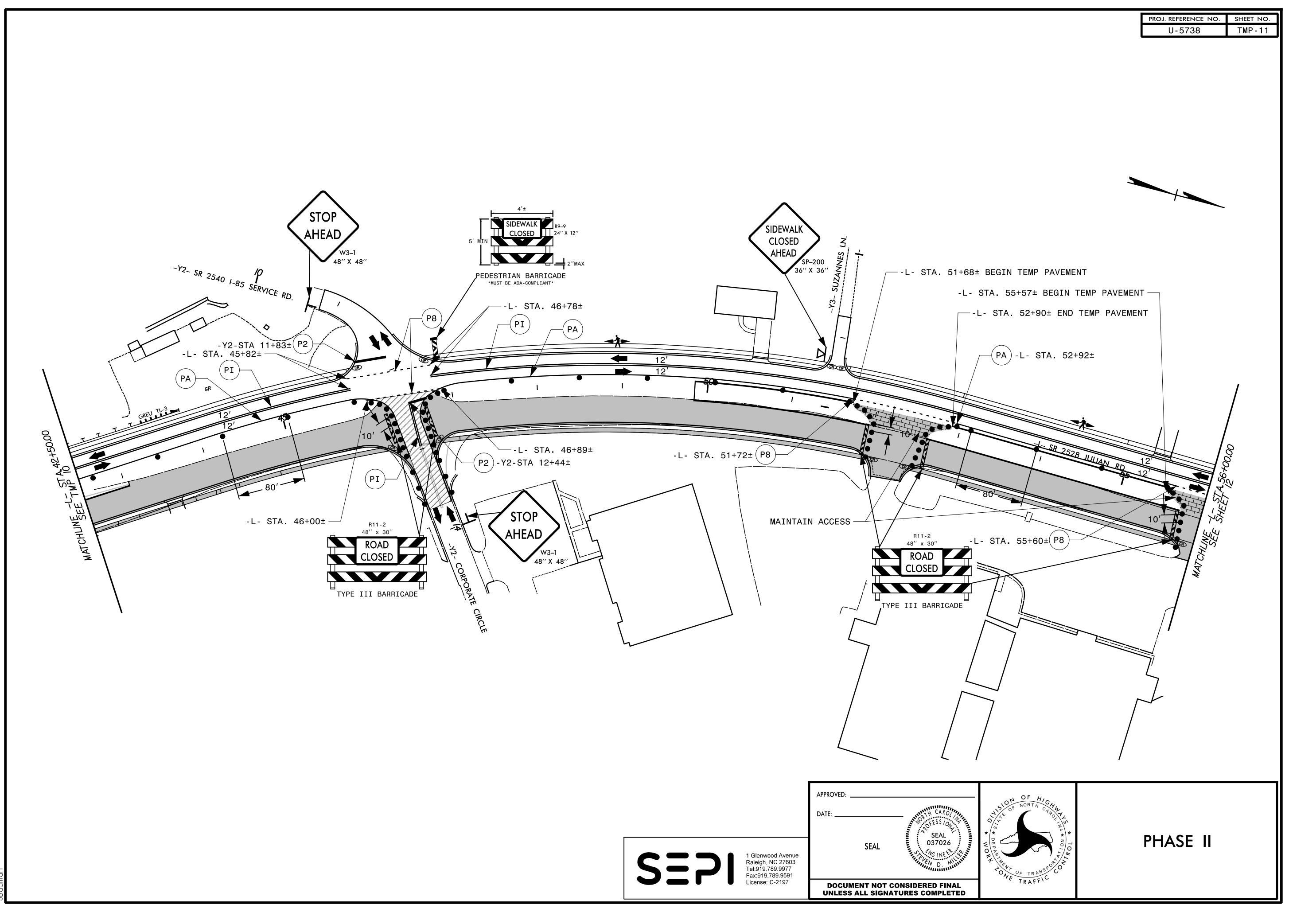


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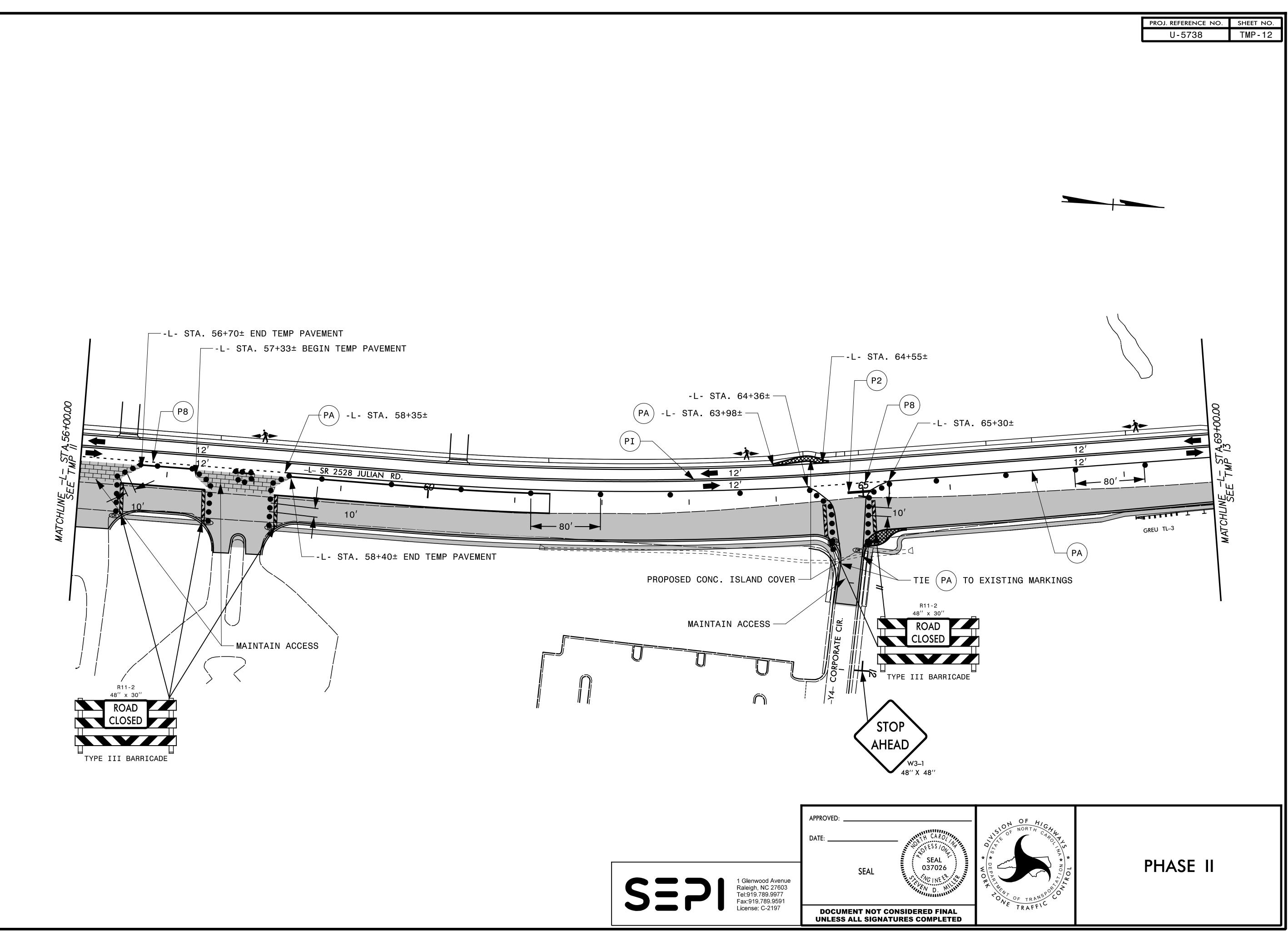


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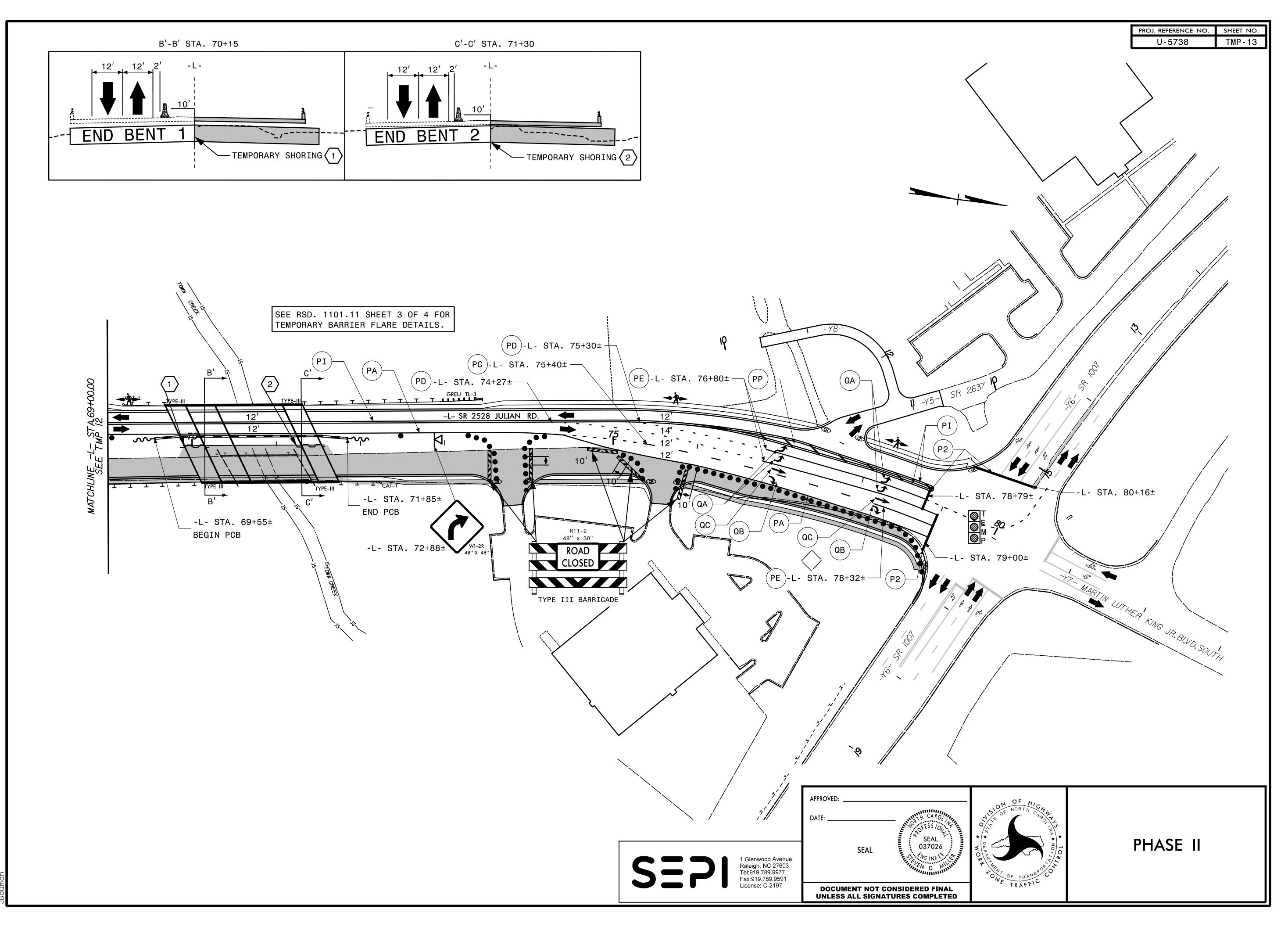




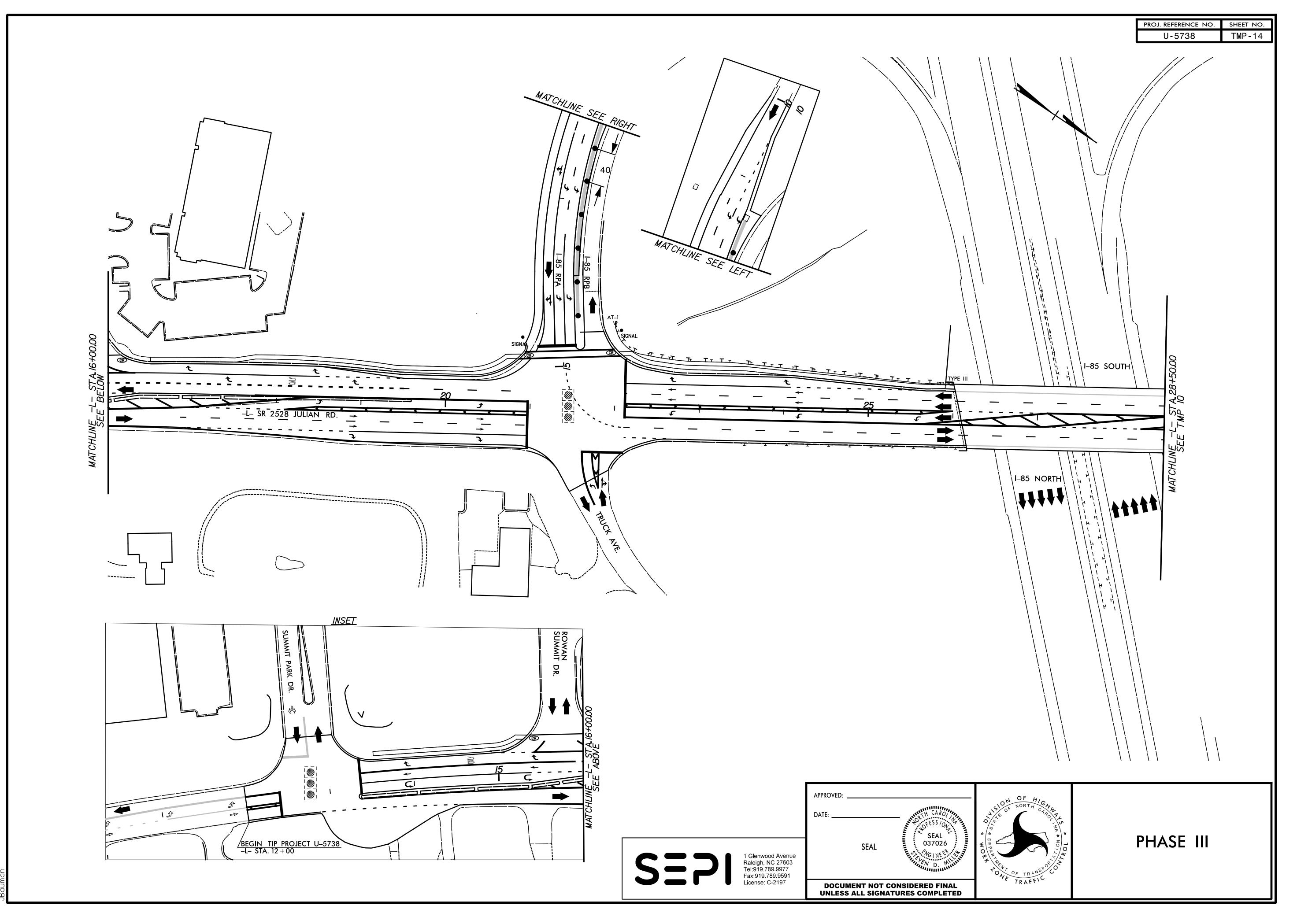
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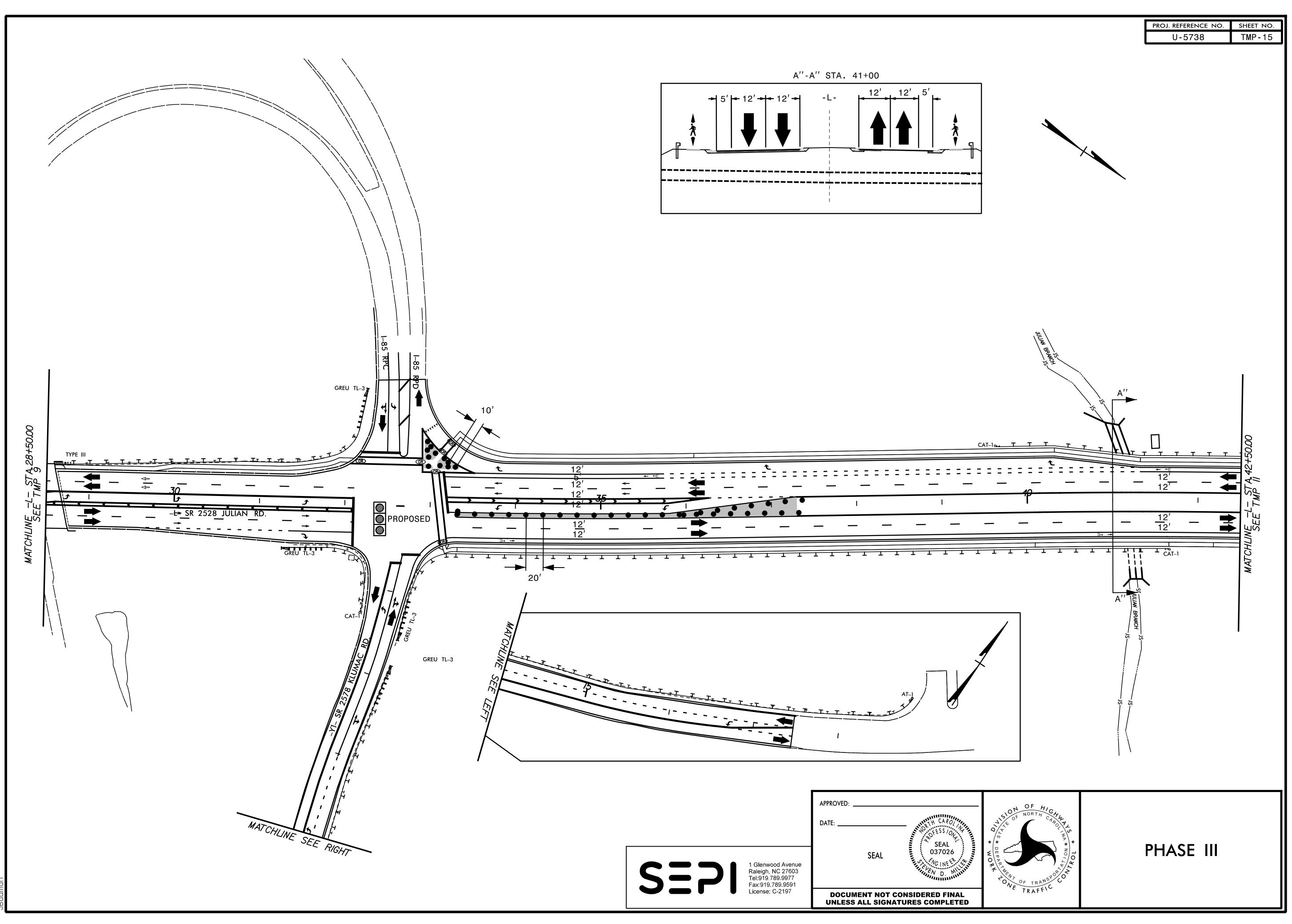
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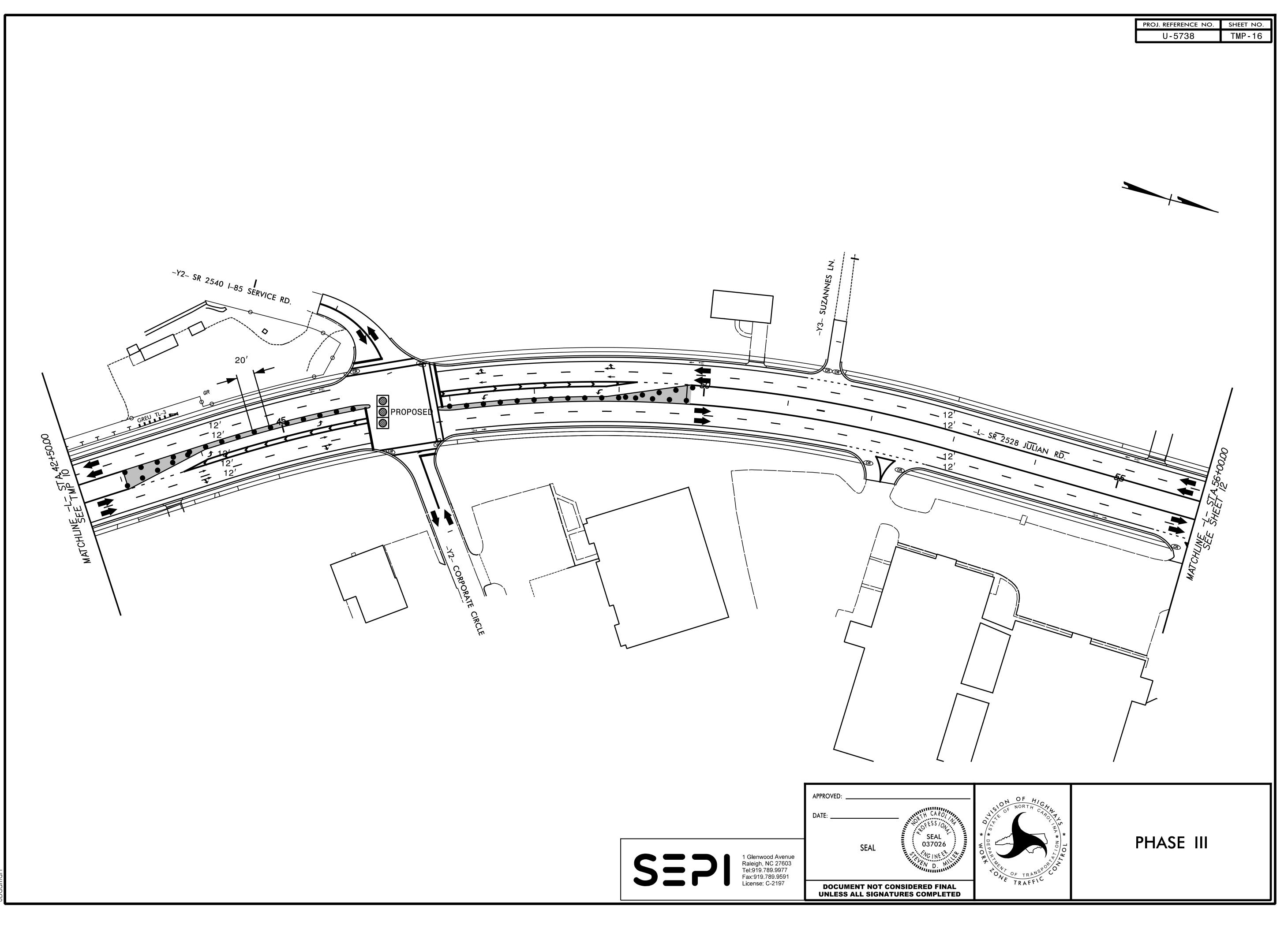
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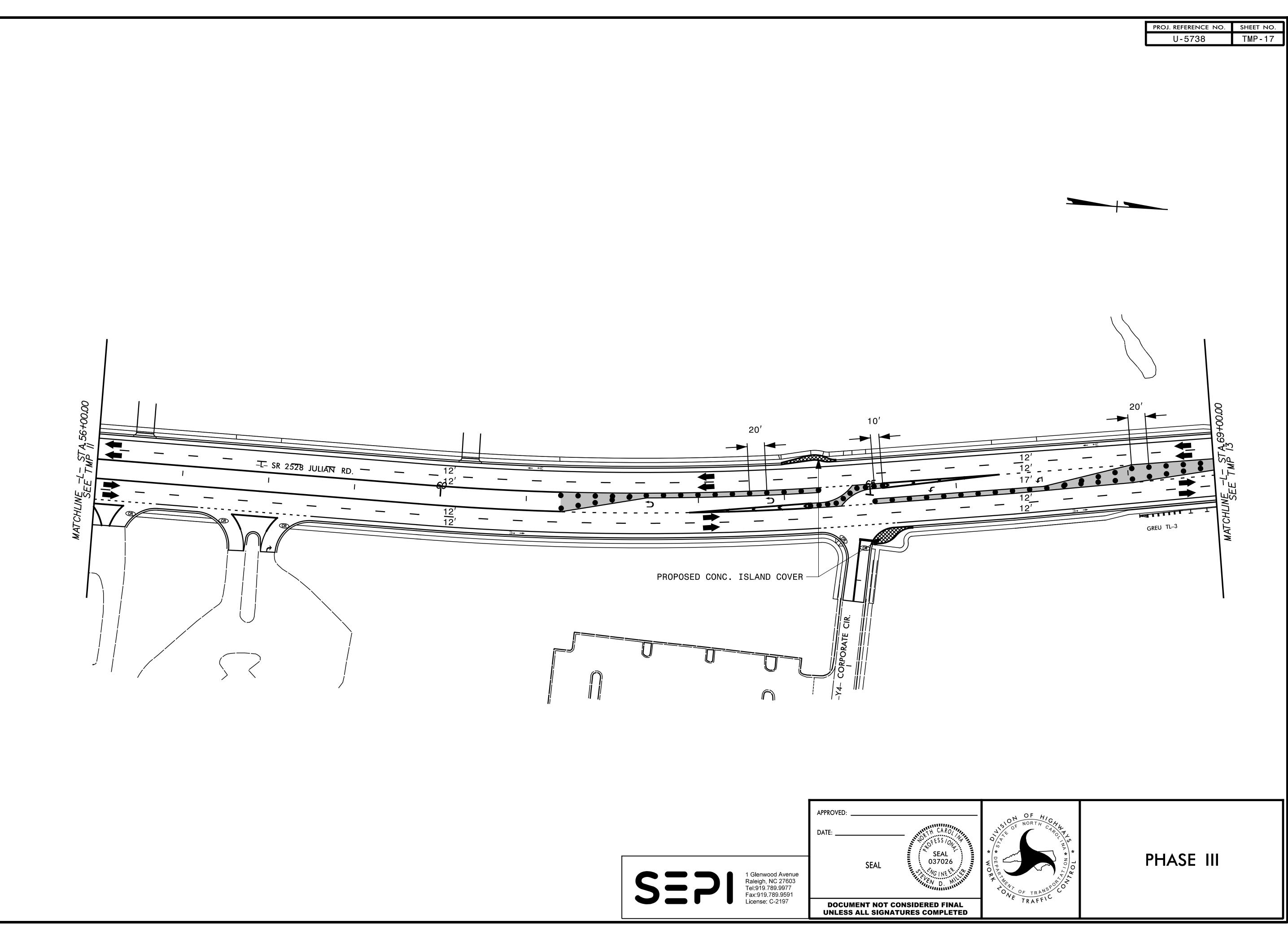
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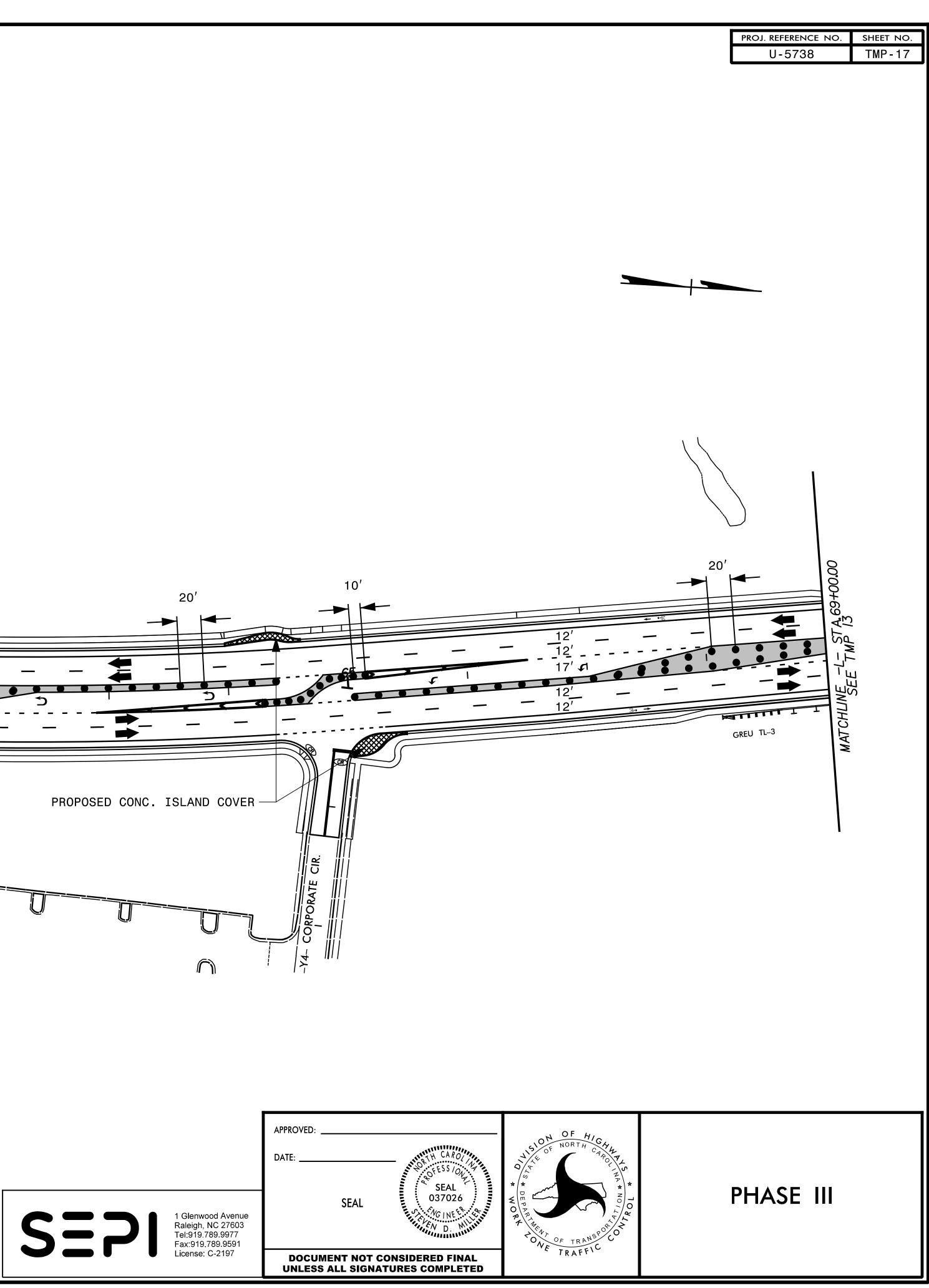
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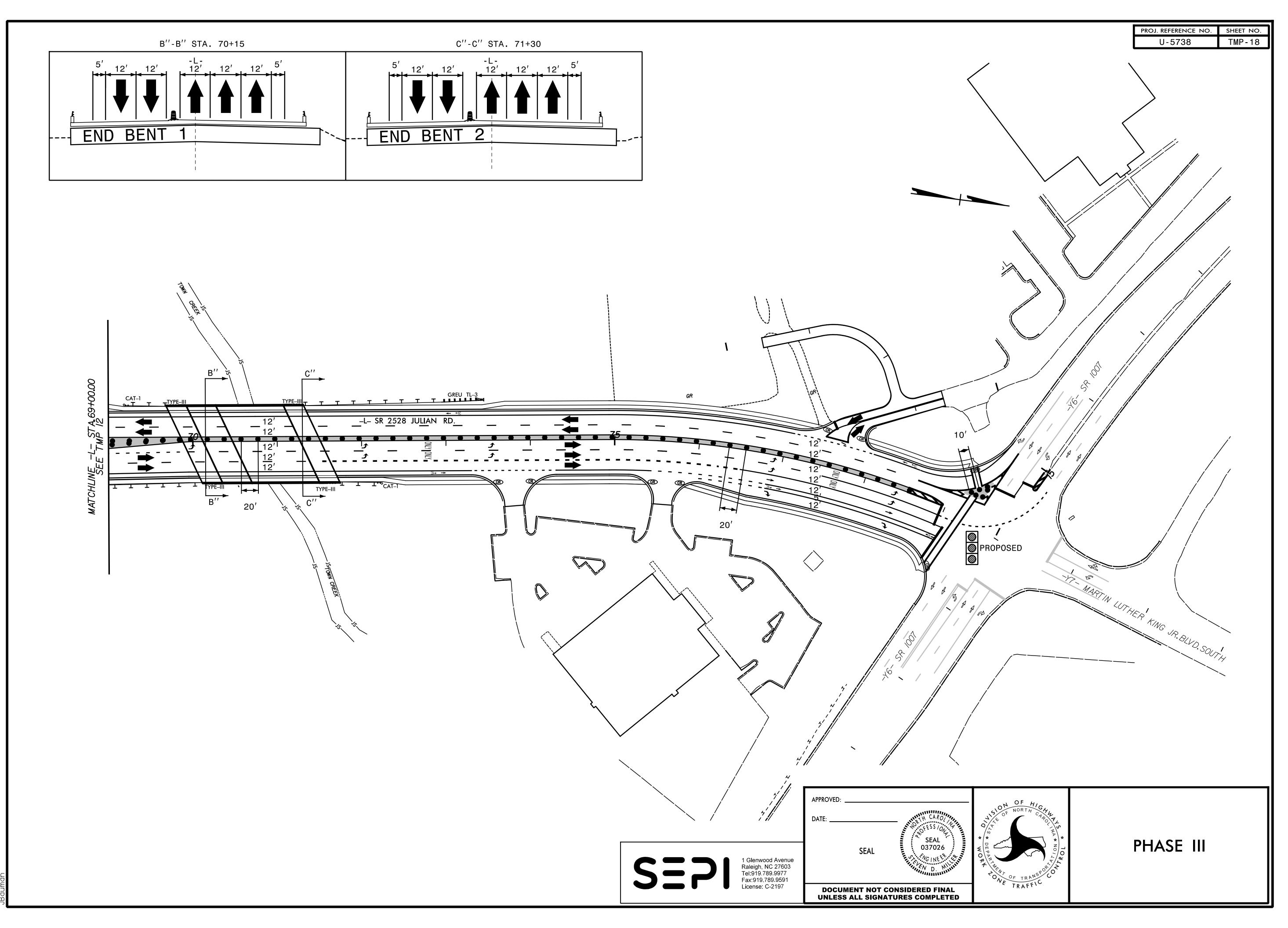


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