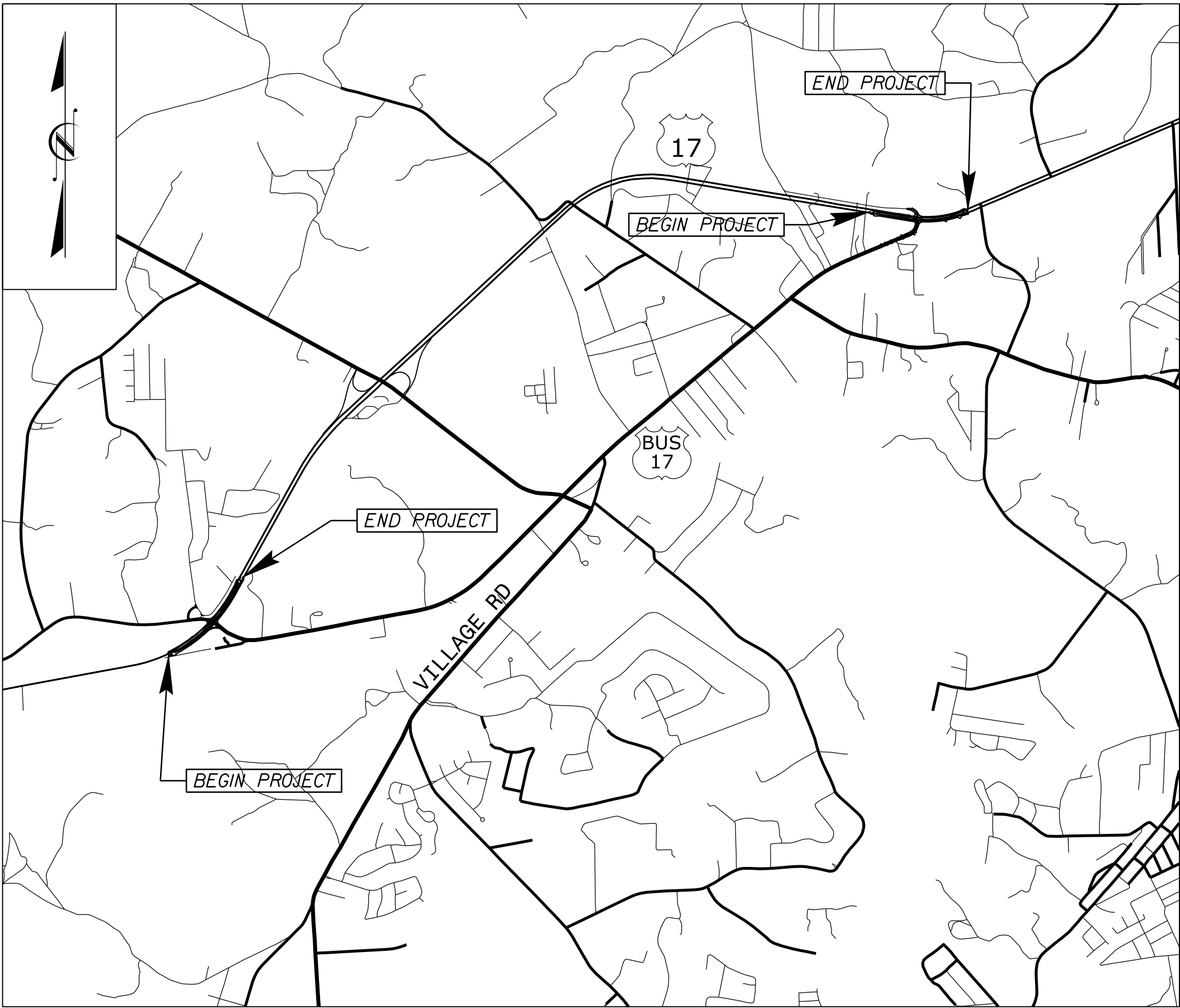
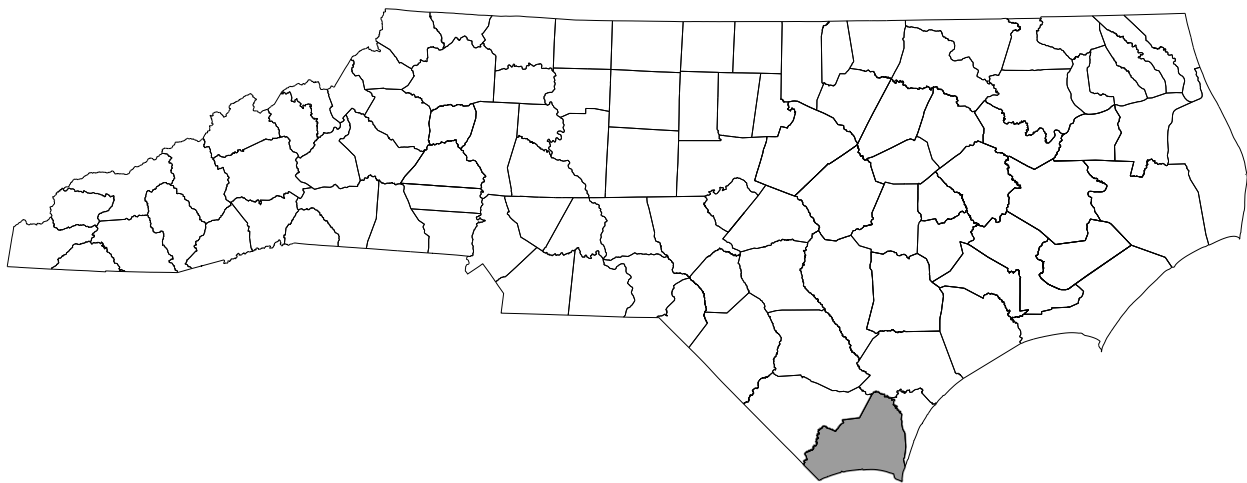


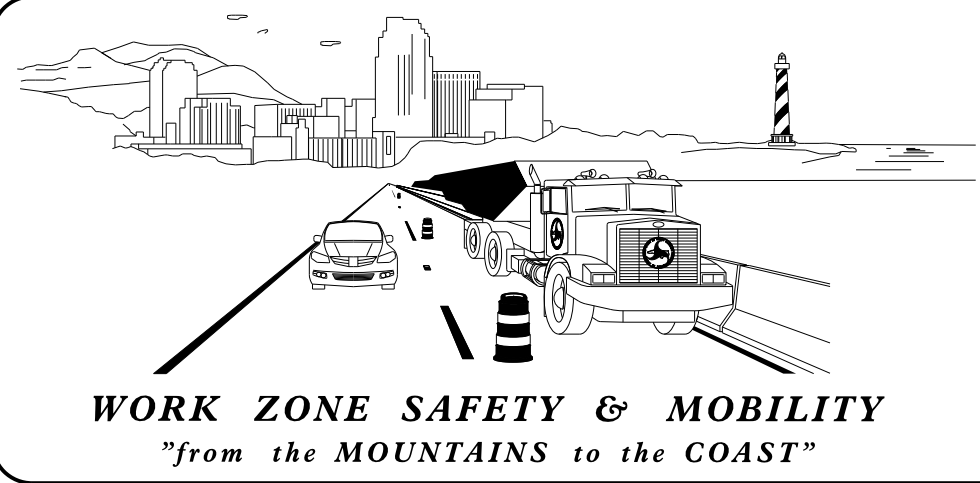
STATE OF NORTH CAROLINA
DIVISION OF HIGHWAYS

TRANSPORTATION MANAGEMENT PLAN
BRUNSWICK COUNTY



LOCATION: US 17 BUSINESS SOUTH OF SHALLOTTE AND US 17
BUSINESS NORTH OF SHALLOTTE CONVERT INTERSECTIONS
TO REDUCED CONFLICT INTERSECTIONS.

TYPE OF WORK: GRADING, DRAINAGE, PAVING AND SIGNALS



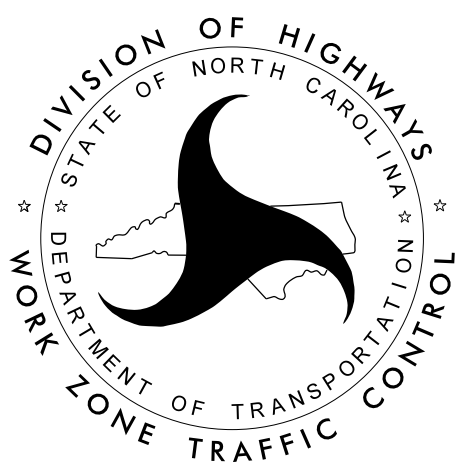
PLANS PREPARED BY:

MATTHEW A. THIGPEN, P.E.
PROJECT ENGINEER

AYMAN I. ALQUDWAH, P.E.
PROJECT DESIGN ENGINEER

NCDOT CONTACT:

ZACH HOWARD, P.E.



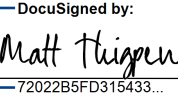
INDEX OF SHEETS

SHEET NO.	TITLE
TMP-1	TITLE SHEET, VICINITY MAP AND INDEX OF SHEETS
TMP-1A	LIST OF APPLICABLE ROADWAY STANDARD DRAWINGS, AND LEGEND
TMP-1B	TRANSPORTATION OPERATIONS PLAN: GENERAL NOTES
TMP-1C THRU TMP-1E	SPECIAL SIGN DESIGNS
TMP-2	PHASING
TMP-3 THRU TMP-6A	PHASE 1 DETAIL SHEETS
TMP-7 THRU TMP-10	PHASE 2 DETAIL SHEETS
TMP-11 THRU TMP-14	PHASE 3 DETAIL SHEETS
TMP-15 THRU TMP-18	PHASE 4 DETAIL SHEETS
TMP-19 THRU TMP-22	PHASE 5 DETAIL SHEETS

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Raleigh, NC 27610
License: P-1116

APPROVED: 
DATE: 5/5/2025

SEAL



TIP PROJECT: R-5857

SHEET NO.
TMP-1

7/2/99

ROADWAY STANDARD DRAWINGS

THE FOLLOWING ROADWAY STANDARDS AS APPEAR IN "ROADWAY STANDARD DRAWINGS" CONTRACTS STANDARDS AND DEVELOPMENT UNIT - N. C. DEPARTMENT OF TRANSPORTATION- RALEIGH, N. C., DATED JANUARY 16, 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
1101.05	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	DRUM
1160.01	TEMPORARY CRASH CUSHION
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 MULTI-LANE ROADWAYS
1205.03	PAVEMENT MARKINGS - EXITS AND ENTRANCE RAMPs
1205.04	PAVEMENT MARKINGS - INTERSECTIONS
1205.05	PAVEMENT MARKINGS - TURN LANES
1205.06	PAVEMENT MARKINGS - LANE DROPS
1205.07	PAVEMENT MARKINGS - PEDESTRIAN CROSSWALKS
1205.08	PAVEMENT MARKINGS - SYMBOLS AND WORD MESSAGES
1205.13	PAVEMENT MARKINGS - LANE REDUCTIONS
1250.01	RAISED PAVEMENT MARKERS - INSTALLATION SPACING
1251.01	RAISED PAVEMENT MARKERS - PERMANENT AND TEMPORARY
1261.01	GUARDRAIL AND BARRIER DELINEATORS - INSTALLATION SPACING
1261.02	GUARDRAIL AND BARRIER DELINEATORS - TYPES AND MOUNTING
1262.01	GUARDRAIL END DELINEATION
1264.01	OBJECT MARKERS - TYPES
1264.02	OBJECT MARKERS - INSTALLATION

LEGEND

GENERAL

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

WORK AREA

ONGOING CONSTRUCTION

WEDGING

REMOVAL

TEMPORARY PAVEMENT

SIGNALS

- EXISTING
- PROPOSED
- TEMP

PAVEMENT MARKINGS

- EXISTING LINES
- TEMPORARY LINES

TRAFFIC CONTROL DEVICES

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

TEMPORARY SIGNING

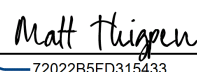
- PORTABLE SIGN
- STATIONARY SIGN

PAVEMENT MARKING SYMBOLS

- PAVEMENT MARKING SYMBOLS

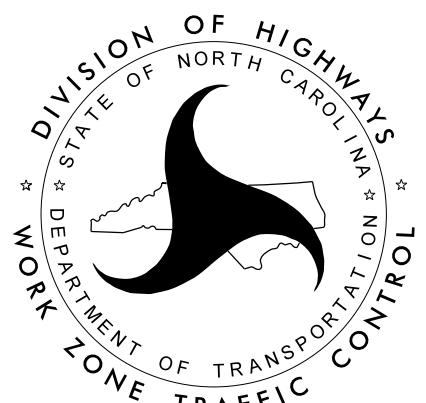
TEMPORARY PAVEMENT MARKING

SYMBOL	DESCRIPTION	PAY ITEM
	PAVEMENT MARKING LINES	PAINT (4")
P1	WHITE EDGELINE	
P2	WHITE SOLID LANE LINE	
P3	10 FT WHITE SKIP	
P4	3 FT - 9 FT/SP WHITE MINISKIP	
P5	2 FT - 6 FT/SP WHITE MINISKIP	
P10	YELLOW EDGELINE	
P11	YELLOW SINGLE CENTER	
P12	10 FT YELLOW SKIP	
P13	YELLOW DOUBLE CENTER	
P14	2 FT - 6 FT/SP YELLOW MINISKIP	
P40	WHITE GORELINE	PAINT (8")
P41	WHITE DIAGONAL	
P42	YELLOW DIAGONAL	
P61	WHITE STOPBAR	PAINT (24")
	PAVEMENT MARKING SYMBOLS	PAINT SYMBOL
P70	LEFT TURN ARROW	
P71	RIGHT TURN ARROW	
P72	STRAIGHT ARROW	
P73	COMBO. LEFT/STRAIGHT ARROW	
P74	COMBO. RIGHT/STRAIGHT ARROW	
P76	COMBO. LEFT/RIGHT/STRAIGHT ARROW	
P77	U-TURN ARROW	
P79	MERGE ARROW	
P103	24" YIELD LINE TRIANGLE	

APPROVED: 
DATE: 5/5/2025

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ROADWAY STANDARD
DRAWINGS & LEGEND

PROJ. REFERENCE NO.	SHEET NO.
R-5857	TMP-1A



3612 Griffice Mill Road
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MANAGEMENT STRATEGY 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 UNDESIRE

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 LANES AS FOLLOWS:

ROAD NAME	DAY AND TIME RESTRICTIONS
US 17 (-L- & -L1-)	NORTHBOUND & SOUTHBOUND MONDAY-FRIDAY 6:00AM to 7:00PM
	NORTHBOUND & SOUTHBOUND FRIDAY 7:00PM to SUNDAY 8:00PM

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

ROAD NAME
US 17 (-L- & -L1-)
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 6:00 A.M. DECEMBER 31st AND 7:00 P.M. JANUARY 2ND. IF NEW YEAR’S DAY IS ON A FRIDAY, SATURDAY, SUNDAY OR MONDAY, THEN UNTIL 7:00 P.M. THE FOLLOWING TUESDAY.
3. FOR EASTER, BETWEEN THE HOURS OF 6:00 A.M. THURSDAY AND 7:00 P.M. MONDAY.
4. FOR MEMORIAL DAY, BETWEEN THE HOURS OF 6:00 A.M. FRIDAY AND 7:00 P.M. TUESDAY.
5. FOR INDEPENDENCE DAY, BETWEEN THE HOURS OF 6:00 A.M. THE DAY BEFORE INDEPENDENCE DAY AND 7:00 P.M. THE DAY AFTER INDEPENDENCE DAY. IF INDEPENDENCE DAY IS ON A FRIDAY, SATURDAY, SUNDAY OR MONDAY, THEN BETWEEN THE HOURS OF 6:00 A.M. THE THURSDAY BEFORE INDEPENDENCE DAY AND 7:00 P.M. THE TUESDAY AFTER INDEPENDENCE DAY.
6. FOR LABOR DAY, BETWEEN THE HOURS OF 6:00 A.M. FRIDAY AND 7:00 P.M. TUESDAY.
7. FOR THANKSGIVING DAY, BETWEEN THE HOURS OF 6:00 A.M. TUESDAY AND 7:00 P.M. MONDAY.
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 FOLLOWING TUESDAY AFTER THE WEEK OF CHRISTMAS DAY.

SPECIAL EVENTS

- FOR DAY 1 RUN - SHALLOTTE, BETWEEN THE HOURS OF 12:01 A.M. TO 12:00 P.M. (JANUARY 1ST) EACH YEAR.
 - FOR FREEDOM 5K & FIRE CRACKER RUN, BETWEEN THE HOURS OF 6:00 A.M. TO 12:00 P.M. (ON THE SATURDAY CLOSEST TO JULY 4TH).
 - FOR SHALLOTTE TRICK OR TREAT, BETWEEN THE HOURS OF 6:00 P.M. TO 8:30 P.M. (ON THE SATURDAY CLOSEST TO OCTOBER 31ST).
 - FOR 5K TURKEY TROT, BETWEEN THE HOURS OF 6:00 A.M. TO 12:00 P.M. (ON THANKSGIVING DAY IN NOVEMBER).
 - FOR TOWN OF SHALLOTTE CHRISTMAS PARADE, BETWEEN THE HOURS OF 10:00 A.M. TO 12:30 P.M. (ON THE FIRST SATURDAY OF DECEMBER).
- C) 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.

GENERAL NOTES

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.
- 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.

WHEN PERSONNEL AND/OR EQUIPMENT ARE WORKING ON THE SHOULDER ADJACENT TO A DIVIDED FACILITY AND WITHIN 10 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.

PAVEMENT EDGE DROP OFF REQUIREMENTS

- I) 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.

- J) 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

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

SIGNING

- L) 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.
- M) ENSURE ALL NECESSARY SIGNING IS IN PLACE PRIOR TO ALTERING ANY TRAFFIC PATTERN.

TRAFFIC BARRIER

- N) INSTALL TEMPORARY BARRIER ACCORDING TO THE TRANSPORTATION MANAGEMENT PLANS A MAXIMUM OF TWO (2) WEEKS PRIOR TO BEGINNING WORK IN ANY LOCATION. ONCE TEMPORARY BARRIER IS INSTALLED AT ANY LOCATION PROCEED IN A CONTINUOUS MANNER TO COMPLETE THE PROPOSED WORK IN THAT LOCATION UNLESS OTHERWISE STATED IN THE TRANSPORTATION MANAGEMENT PLANS OR AS DIRECTED BY THE ENGINEER.

TRAFFIC BARRIER CONT'D.

DO NOT PLACE BARRIER DIRECTLY ON ANY SURFACE OTHER THAN ASPHALT OR CONCRETE.

ONCE TEMPORARY BARRIER IS INSTALLED AT ANY LOCATION AND NO WORK IS PERFORMED BEHIND THE TEMPORARY BARRIER FOR A PERIOD LONGER THAN TWO (2) MONTHS, REMOVE / RESET TEMPORARY BARRIER AT NO COST TO THE DEPARTMENT UNLESS OTHERWISE STATED IN THE TRANSPORTATION MANAGEMENT PLANS, TEMPORARY BARRIER IS PROTECTING A HAZARD, OR AS DIRECTED BY THE ENGINEER.

INSTALL TEMPORARY BARRIER WITH THE TRAFFIC FLOW BEGINNING WITH THE UPSTREAM SIDE OF TRAFFIC. REMOVE TEMPORARY BARRIER AGAINST THE TRAFFIC FLOW BEGINNING WITH THE DOWNSTREAM SIDE OF TRAFFIC.

INSTALL AND SPACE DRUMS NO GREATER THAN TWICE THE POSTED SPEED LIMIT (MPH) TO CLOSE OR KEEP THE SECTION OF THE ROADWAY CLOSED UNTIL THE TEMPORARY BARRIER CAN BE PLACED OR AFTER THE TEMPORARY BARRIER IS REMOVED.

- O) PROTECT THE APPROACH END OF MOVABLE/PORTABLE CONCRETE BARRIER AT ALL TIMES DURING THE INSTALLATION AND REMOVAL OF THE BARRIER BY EITHER A TRUCK MOUNTED ATTENUATOR (MAXIMUM 72 HOURS) OR A TEMPORARY CRASH CUSHION.

PROTECT THE APPROACH END OF MOVABLE/PORTABLE CONCRETE BARRIER FROM ONCOMING TRAFFIC AT ALL TIMES BY A TEMPORARY CRASH CUSHION UNLESS THE APPROACH END OF MOVABLE/PORTABLE CONCRETE BARRIER IS OFFSET FROM ONCOMING TRAFFIC AS FOLLOWS OR AS SHOWN IN THE PLANS: (SEE ALSO 1101.05)

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

TRAFFIC CONTROL DEVICES

- P) 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.
- Q) PLACE TYPE III BARRICADES, WITH "ROAD CLOSED" SIGN R11-2 ATTACHED, OF SUFFICIENT LENGTH TO CLOSE ENTIRE ROADWAY.

PAVEMENT MARKINGS AND MARKERS

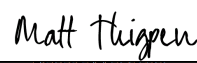
- R) INSTALL TEMPORARY PAVEMENT MARKINGS AND TEMPORARY PAVEMENT MARKERS ON INTERIM LAYERS OF PAVEMENT AS FOLLOWS:

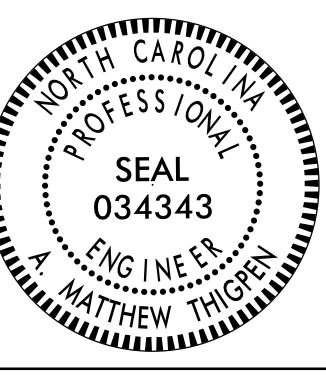
ROAD NAME	MARKING	MARKER
-L-, -L1-, -Y-, -Y1-, -Y2-, -Y4- & -Y5-	PAINT	N/A

- S) PLACE ONE APPLICATION OF PAINT FOR TEMPORARY TRAFFIC PATTERNS. PLACE A SECOND APPLICATION OF PAINT SIX (6) MONTHS AFTER INITIAL APPLICATION AND EVERY SIX MONTHS AS DIRECTED BY THE ENGINEER.
- T) TIE PROPOSED PAVEMENT MARKING LINES TO EXISTING PAVEMENT MARKING LINES.
- U) REMOVE/REPLACE ANY CONFLICTING/DAMAGED PAVEMENT MARKINGS AND MARKERS BY THE END OF EACH DAY'S OPERATION.



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DATE: 5/5/2025

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GENERAL NOTES

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THIGPEN
ENGINEERING

Old Shallotte Road

LENGTH:

MAT'L: 0.125" (3.2 mm) ALUMINUM

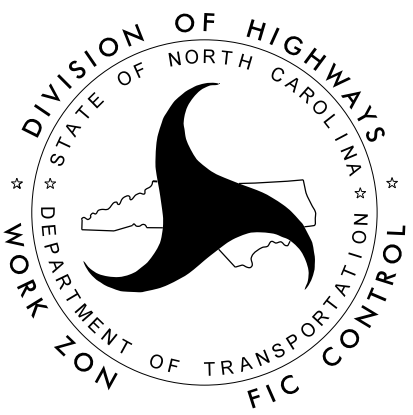
6"

Spacing Factor is 1 unless specified otherwise

[illegible]

NORTH CAROLINA D.O.T. SIGN DETAIL

DocuSigned by:
APPROVED: Matt Thigpen DATE: 5/5/2025
72022B5FD315433



SPECIAL SIGN DESIGNS



THIGPEN
ENGINEERING

Diagram of a rectangular sign with dimensions and text:

- Overall width: 4'-0"
- Overall height: 4.4"
- Text: **Frontage Road**
- Dimensions of the text area (from the left and right edges of the sign):
 - Left margin: 8.4"
 - Text width: 31.2"
 - Right margin: 8.4"
- Dimensions of the text area (from the top and bottom edges of the sign):
 - Top margin: 6" D
 - Text height: 3.2"
 - Bottom margin: 6" D

Spacing Factor is 1 unless specified otherwise

LETTER POSITIONS

[illegible]

NORTH CAROLINA D.O.T. SIGN DETAIL

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DocuSigned by: Matt Thigpen		
APPROVED: 7202B5F0315433	DATE: 5/5/2025	
		TRANSPORTATION MANAGEMENT PLAN SPECIAL SIGN DESIGNS

PROJ. REFERENCE NO.	SHEET NO.
R-5857	TMP-1E



3612 Griffice Mill Road
Raleigh, NC 27610
License: P-1116

DESIGN BY: NCDOT
PROJECT ID: R-5857

CHECKED BY: DLW
DIV: 3

DATE: MARCH 2024

SIGN NUMBER: SP-3
TYPE: F
QUANTITY: 10
SIGN WIDTH: 1'-9"
HEIGHT: 1'-9"
TOTAL AREA: 3.1 Sq.Ft.
BORDER TYPE: RECESSED
RECESS: 0.38"
WIDTH: 0.63"
RADII: 1.5"
NO. Z BARS:
LENGTH:

BACKG COLOR: White
COPY COLOR: Black

SYMBOL	X	Y	WID	HT
u arrow	3.7	3.5	12.7	13.9

MAT'L: 0.63" ALUMINUM

NOTES:

1. Legend and border shall be direct applied non-reflective sheeting.
2. Background shall be Grade C reflective sheeting.
3. To be mounted with Detour signing.

1'-9"

3.55"

13.9"

3.55"

1'-9"

3.7"

12.7"

4.7"

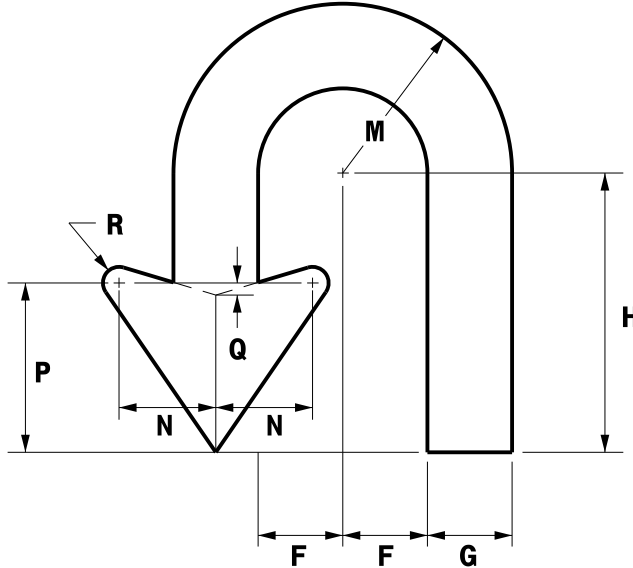
BORDER

R=1.5"

TH=0.63"

IN=0.38"

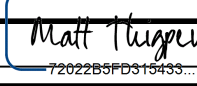
ARROW DETAILS



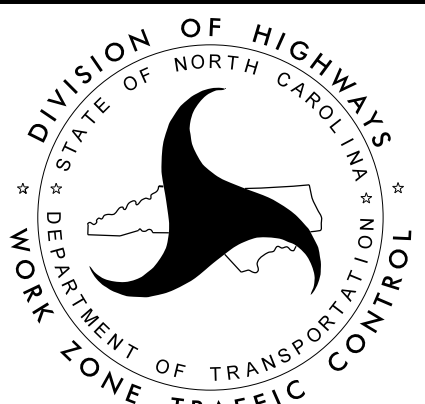
ARROW DIMENSIONS (NCHES)								
F	G	H	M	N	P	Q	R	
2.625	2.625	8.659	5.25	3	5.25	0.375	0.5	

Spacing Factor is 1 unless specifed otherwise

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TRANSPORTATION
MANAGEMENT PLAN

SPECIAL SIGN
DESIGNS

NOTES:

ENSURE ALL TEMPORARY SIGNALS ARE FULLY DEPLOYED PRIOR TO ALL WORK ACTIVITIES THAT WOULD IMPACT THE EXISTING TRAFFIC DETECTION WITHIN THE ROADWAY. SIMILARLY, DURING THE CUTOVER TO THE PERMANENT SIGNAL POLES, RELOCATE MICROWAVE DETECTORS IN A TIMELY MANNER TO ENSURE TRAFFIC DETECTION IS FULLY FUNCTIONAL WITH MINIMAL DELAY.

RETURN TRAFFIC TO THE CURRENT TRAFFIC PATTERN AT THE END OF EACH WORK PERIOD UNLESS OTHERWISE NOTED IN THE PHASING OR DIRECTED BY THE ENGINEER.

COMPLETE ANY PROPOSED WIDENING IN SUCH A MANNER THAT PONDING OF WATER WILL NOT OCCUR IN THE TRAVEL LANE.

MAINTAIN VEHICULAR ACCESS TO ALL RESIDENCES AND BUSINESSES DURING THE LIFE OF THE CONTRACT UNLESS OTHERWISE NOTED IN THE PHASING OR DIRECTED BY THE ENGINEER.

WEDGING OPERATIONS SHOULD BE DONE IN SUCH A MANNER THAT SMOOTH TRANSITIONS ARE PROVIDED AT THE END OF EACH DAY BETWEEN TRAVEL LANES AND AT TIE-INS WITH EXISTING PAVEMENT.

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.).

THE TERM RSD DENOTES ROADWAY STANDARD DRAWINGS.

PHASE I

DETAIL 1: STEP 1: INSTALL ADVANCE WORK ZONE WARNING SIGNS ACCORDING TO RSD 1101.01 (SHEETS 1 AND 3 OF 3).
STEP 2: USING RSD 1101.02 (SHEET 4 OF 19) AS NEEDED, CONSTRUCT THE FOLLOWING UP TO THE EXISTING AND ELEVATION OF EDGE OF TRAVEL AS SHOWN ON TMP-3 THRU TMP-6:

- * -L- (US 17) FROM STA. 26+25 +/- TO STA. 29+52 +/- RT. (TEMPORARY PAVEMENT)
- * -L- (US 17) FROM STA. 29+10 +/- TO STA. 54+25 +/- LT. & RT. (PROP. PAVEMENT, WEDGING, MILLING, DRAINAGE, EXCEPT AT JACK AND BORE LOCATIONS AND GUARDRAIL)
- * -L1- (US 17) FROM STA. 19+09 +/- TO STA. 42+00 +/- LT. & RT. (PROP. PAVEMENT, WEDGING, DRAINAGE, EXCEPT AT JACK AND BORE LOCATIONS AND GUARDRAIL)
- * INSTALL 15" RCP AT 29+90+/- -L- LT., 18" RCP AT 50+30+/- -L- RT. AND 18" RCP AT 40+12+/- -L1- LT DURING NON-PEAK OVERNIGHT LANE CLOSURES.
- * BEGIN INSTALLATION OF TEMPORARY SIGNALS AT INTERSECTIONS AT -L- STA. 41+90 +/- AND -L1- STA. 30+13 +/-

STEP 3: USING RSD 1101.02 (SHEET 1 OF 19) AS NEEDED, CONSTRUCT THE FOLLOWING UP TO THE EXISTING AND ELEVATION OF EDGE OF TRAVEL AS SHOWN ON TMP-3 THRU TMP-6:

- * INSTALL 18" RCP AT 15+45+/- -Y4- LT. & RT., 30" RCP'S AT 17+42+/- -Y4- LT. & RT., 36" RCP AT 16+75+/- -Y5- LT. & RT, AND 30" RCP'S AT BOTH 18+70+/- -Y5- LT. & RT. AND 22+53+/- -Y5- LT. & RT. DURING NON-PEAK OVERNIGHT LANE CLOSURES.
- * -Y- (OLD SHALLOTTE RD) FROM STA. 17+00 +/- TO STA. 23+53 +/- LT. & RT. (PROP. PAVEMENT, WEDGING, AND CONCRETE ISLAND REMOVAL)
- * -Y1- (US 17 BUS/ MAIN ST) FROM STA. 10+59 +/- TO STA. 15+00 +/- LT. & RT. (PROP. PAVEMENT AND WEDGING)
- * -Y1- (US 17 BUS/ MAIN ST) FROM STA. 10+67+/- TO 12+64+/- LT. AND FROM STA. 15+13+/- TO STA. 16+64+/- LT. (TEMPORARY PAVEMENT)
- * -Y4- (FRONTAGE RD) FROM STA. 14+50 +/- TO STA. 18+03 +/- LT. & RT. (PROP. PAVEMENT, WEDGING, C&G, SIDEWALK, DRAINAGE, AND CONCRETE ISLAND REMOVAL)
- * -Y5- (US 17 BUS/ MAIN ST) FROM STA. 10+54 +/- TO STA. 23+00 +/-LT. & RT. (PROP. PAVEMENT, WEDGING, C&G, SIDEWALK, DRAINAGE, AND CONCRETE ISLAND REMOVAL)
- * -Y2- INSTALL PROP. 18" RCP AT STA. 10+35 +/- AND 2-48" RCP'S AT STA. 13+58 +/-
- * -Y2- (WILDWOOD ST CONNECTION) FROM STA. 10+10 +/- TO STA. 14+15 +/- LT & RT (PROP. PAVEMENT)
- * USING FLAGGING OPERATIONS INSTALL NORTHERN SECTIONS OF 2-36" RCP'S ON WASHINGTON RD SW

DETAIL 2 STEP 4: USING RSD 1101.02 (SHEET 12 OF 19) AS NEEDED, PLACE TRAFFIC CONTROL DEVICES IN ADVANCE OF -L_RTL- AND DETOUR TRAFFIC AS SHOWN ON TMP-6A

STEP 5: USING RSD 1101.02 (SHEET 12 OF 19) AS NEEDED, CONSTRUCT THE FOLLOWING UP TO THE EXISTING AND ELEVATION OF EDGE OF TRAVEL AS SHOWN ON TMP-6A

- * CLOSE -L_RTL- FROM STA. 10+00 +/- TO STA. 14+13 +/- TO TRAFFIC
- * INSTALL 15" RCP AT STA. 12+00+/- -L_RTL- LT. & RT.
- * -L_RTL- FROM STA. 10+00 +/- TO STA. 14+13 +/- LT. & RT. (PROP. PAVEMENT, WEDGING, AND DRAINAGE, EXCEPT AT JACK AND BORE LOCATIONS)
- * PLACE TEMPORARY PAVEMENT MARKINGS ALONG -L_RTL-

STEP 6: REMOVE TRAFFIC CONTROL DEVICES AND OPEN -L_RTL- TO TRAFFIC.

PHASE II

STEP 1: USING RSD 1101.02 (SHEET 4 OF 19) AS NEEDED, PLACE THE PORTABLE CONCRETE BARRIER AS SHOWN ON TMP-7 THRU TMP-10.

- * PLACE TEMPORARY PAVEMENT MARKINGS ALONG -L- AND -L1- LT. & RT. AS SHOWN ON TMP-7 THRU TMP-10.
- * JACK AND BORE ALL STEEL PIPE CROSSINGS ALONG -L- & -L1-

STEP 2: USING RSD 1101.02 (SHEET 1 OF 19) AS NEEDED, PLACE THE PORTABLE CONCRETE BARRIER AS SHOWN ON TMP-7, TMP-7A AND TMP-9.

- * JACK AND BORE STEEL PIPES CROSSINGS ALONG -Y1- & -Y5-
- * USING FLAGGING OPERATIONS, INSTALL SOUTHERN SECTIONS OF 2-36" RCP'S ON WASHINGTON RD SW
- * PLACE TEMPORARY PAVEMENT MARKINGS ALONG -Y-, -Y1, -Y2-, -Y4-, AND -Y5- AS SHOWN ON TMP-7, TMP-7A, TMP-9, AND TMP-9A.

PHASING

PHASE III

STEP 1: USING RSD 1101.02 (SHEET 4 OF 19) AS NEEDED, REMOVE PORTABLE CONCRETE BARRIER PLACED IN PHASE II AND RESET PORTABLE CONCRETE BARRIER AS SHOWN ON TMP-11 THRU TMP-14.

- * PLACE TEMPORARY PAVEMENT MARKINGS ALONG -L- AND -L1- LT. & RT. AS SHOWN ON TMP-11 THRU TMP-14.
- * REMOVE EXISTING SIGNALS AND FINALIZE INSTALLATION OF TEMPORARY SIGNALS AT INTERSECTIONS AT -L- STA. 41+90 +/- AND -L1- STA. 30+13 +/-

STEP 2: USING RSD 1101.02 (SHEET 4 OF 19) AS NEEDED, CONSTRUCT THE FOLLOWING UP TO THE EXISTING AND ELEVATION OF EDGE OF TRAVEL AS SHOWN ON TMP-11 THRU TMP-14:

- * -L- (US 17) FROM STA. 29+10 +/- TO STA. 54+25 +/- LT. & RT. (PROP. PAVEMENT, C&G, CONC. ISLANDS AND DRAINAGE)
- * -L1- (US 17) FROM STA. 19+09 +/- TO STA. 42+00 +/- LT. & RT. (PROP. PAVEMENT, C&G, CONC. ISLANDS AND DRAINAGE)
- * INSTALL PROP. SIGNALS AT U-TURN INTERSECTIONS AT -L- STA. 30+00 +/-, -L- STA. 53+00 +/-, -L1- STA. 20+00 +/- AND -L1- STA. 41+50 +/-

STEP 3: -Y2- REMOVE BARRICADES AND OPEN ROADWAY TO TRAFFIC ON WILDWOOD ST NW AND ON -Y- (OLD SHALLOTTE RD)

USING RSD 1101.02 (SHEET 1 OF 19) AS NEEDED, CONSTRUCT THE FOLLOWING UP TO THE EXISTING AND ELEVATION OF EDGE OF TRAVEL AS SHOWN ON TMP-11 THRU TMP-14:

- * -Y- (OLD SHALLOTTE RD) FROM STA. -Y- STA. 20+82 +/- TO STA. 21+55 +/- LT. (PROP. PAVEMENT)
- * REMOVE PAVEMENT AT FORMER ENTRANCE TO WILDWOOD ST NW AND PLACE TEMP PVMT. MARKINGS.
- * -Y1- (US 17 BUS/ MAIN ST) FROM -Y1- STA. 10+67 +/- TO STA. 12+64 +/- LT. AND FROM STA. -Y1- 15+13 +/- TO STA. 16+64 +/- LT. (REMOVE TEMPORARY PAVEMENT)
- * -Y5- STA. 10+67 +/- TO STA. 11+94 +/- (TEMP. PVMT. MARKINGS)

PHASE IV

STEP 1: USING RSD 1101.02 (SHEET 4 OF 19) AS NEEDED, REMOVE PORTABLE CONCRETE BARRIER PLACED IN PHASE III AND RESET PORTABLE CONCRETE BARRIER AS SHOWN ON TMP-15 THRU TMP-18.

- * REMOVE TEMPORARY SIGNALS AND INSTALL PROP. SIGNALS AT INTERSECTIONS AT -L- STA. 41+90 +/- AND -L1- STA. 30+13 +/-
- * PLACE TEMPORARY PAVEMENT MARKINGS ALONG -L- AND -L1- AS SHOWN ON TMP-15 THRU TMP-18.
- * ACTIVATE PROP. SIGNALS AT U-TURN INTERSECTIONS AT -L- STA. 30+00 +/-, -L- STA. 53+00 +/-, -L1- STA. 20+00 +/- AND -L1- STA. 41+50 +/- . OPEN UP U-TURN LANES TO TRAFFIC.

STEP 2: USING RSD 1101.02 (SHEET 1 OF 19) AS NEEDED, PLACE TEMPORARY PAVEMENT MARKINGS ALONG -Y-, -Y1-, -Y4- AND -Y5- AS SHOWN ON TMP-15, TMP-15A, TMP-17 AND TMP-17A.

STEP 3: USING RSD 1101.02 (SHEET 4 OF 19) AS NEEDED, CONSTRUCT THE FOLLOWING UP TO THE EXISTING AND ELEVATION OF EDGE OF TRAVEL AS SHOWN ON TMP-15 THRU TMP-18.

- * -L- (US 17) FROM STA. 40+68 +/- TO STA. 43+14 +/- LT. & RT. (CONC. ISLANDS, WEDGING & DRAINAGE)
- * -L1- (US 17) FROM STA. 29+07 +/- TO STA. 31+29 +/- LT. & RT. (CONC. ISLANDS, WEDGING & DRAINAGE)

STEP 4: USING RSD 1101.02 (SHEET 1 OF 19) AS NEEDED, CONSTRUCT THE FOLLOWING UP TO THE EXISTING AND ELEVATION OF EDGE OF TRAVEL AS SHOWN ON TMP-15, TMP-15A, TMP-17 AND TMP-17A.

- * -Y- (OLD SHALLOTTE RD) FROM STA. 21+19 +/- TO STA. 23+23 +/- LT. & RT. (CONC. ISLANDS)
- * -Y1- (US 17 BUS/ MAIN ST) FROM STA. 10+64 +/- TO STA. 11+95 +/- LT. & RT. (CONC. ISLANDS)
- * -Y4- (FRONTAGE RD) FROM STA. 16+99 +/- TO STA. 17+93 +/- LT. & RT. (CONC. ISLANDS)
- * -Y5- (US 17 BUS/ MAIN ST) FROM STA. 10+64 +/- TO STA. 11+13 +/-LT. & RT. (CONC. ISLANDS)

PHASE V

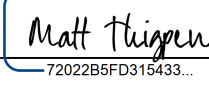
STEP 1: USING RSD 1101.02 (SHEET 4 OF 19) AS NEEDED AND USING RSD 1101.02 (SHEET 1 OF 19) AS NEEDED, REMOVE ALL PORTABLE CONCRETE BARRIER, PLACE FINAL LAYER OF SURFACE COURSE AND PLACE FINAL PAVEMENT MARKINGS AND MARKERS AS SHOWN ON THE PAVEMENT MARKING PLANS. ACTIVATE PROP. SIGNALS AT INTERSECTIONS AT -L- STA. 41+90 +/- AND -L1- STA. 30+13 +/-

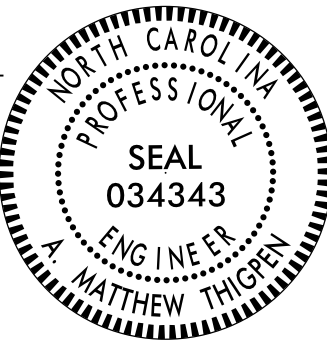
- * -L- (US 17) FROM STA. 29+10 +/- TO STA. 54+25 +/- LT. & RT.
- * -L1- (US 17) FROM STA. 19+09 +/- TO STA. 42+00 +/- LT. & RT.
- * -Y- (OLD SHALLOTTE RD) FROM STA. 17+00 +/- TO STA. 23+53 +/- LT. & RT.
- * -Y1- (US 17 BUS/ MAIN ST) FROM STA. 10+54 +/- TO STA. 15+00 +/- LT. & RT.
- * -Y2- (WILDWOOD ST CONNECTION) FROM STA. 10+12 +/- TO STA. 14+15 +/- LT. & RT.
- * -Y4- (FRONTAGE RD) FROM STA. 14+50 +/- TO STA. 18+03 +/- LT. & RT.
- * -Y5- (US 17 BUS/ MAIN ST) FROM STA. 10+54 +/- TO STA. 23+00 +/-LT. & RT.
- * -L_RTL- (US 17 RIGHT TURN LANE) FROM STA. 10+00 +/- TO STA. 14+13 +/- LT. & RT.

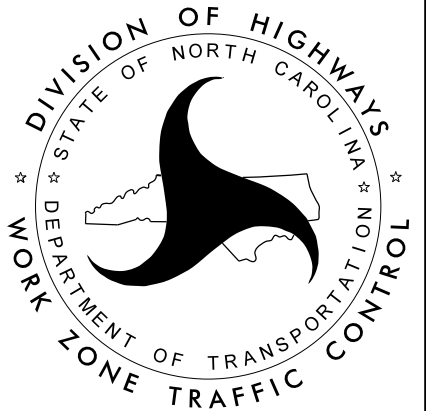
STEP 2: UPON APPROVAL OF ENGINEER, REMOVE ALL TEMPORARY TRAFFIC CONTROL DEVICES AND SIGNING.



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DATE: 5/5/2025

SEAL




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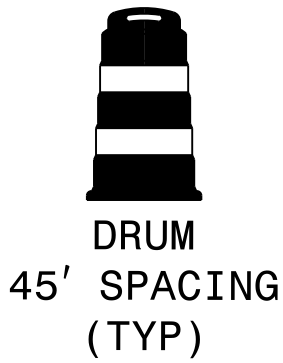
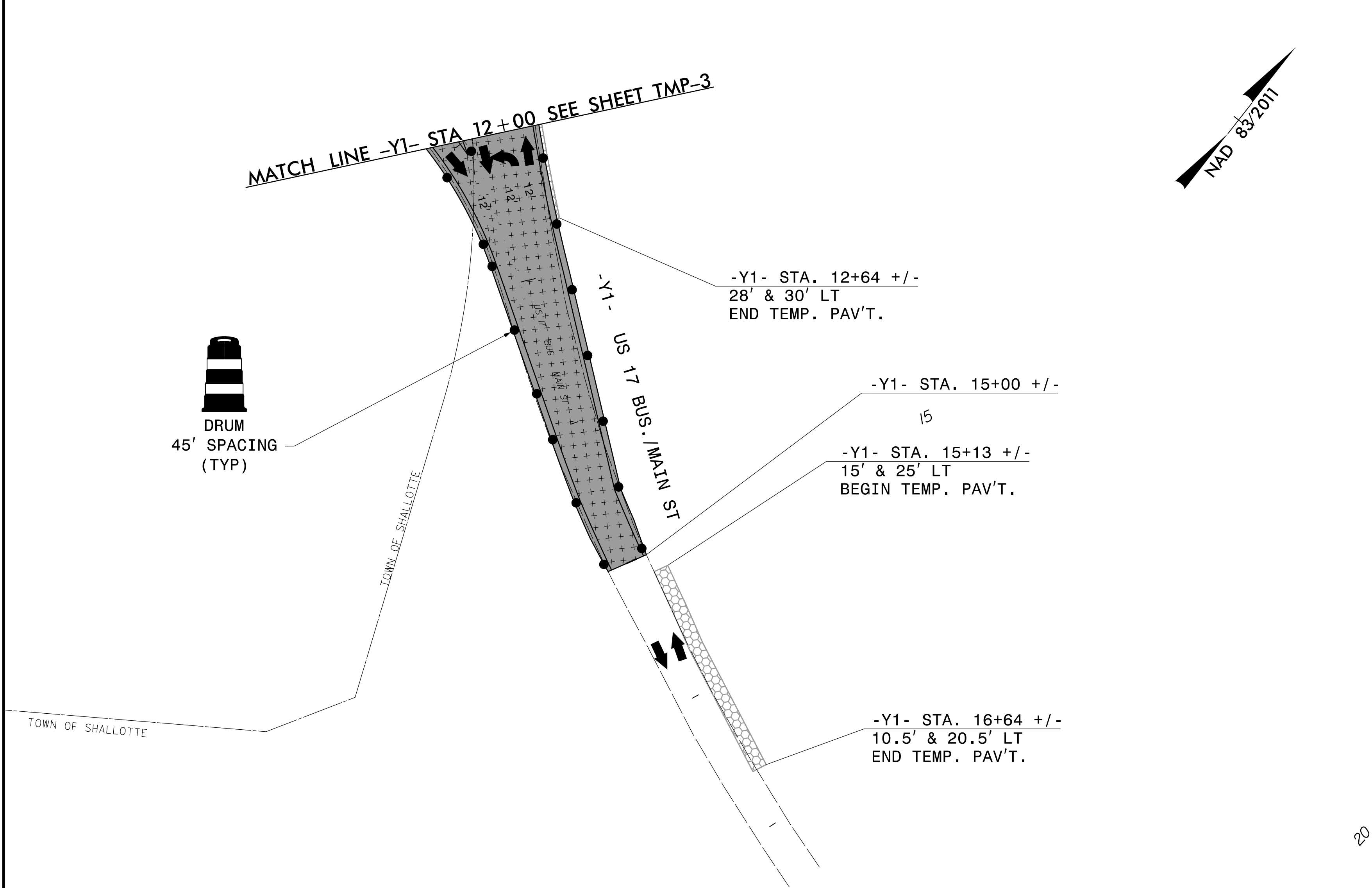


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R-5857	TMP-3A

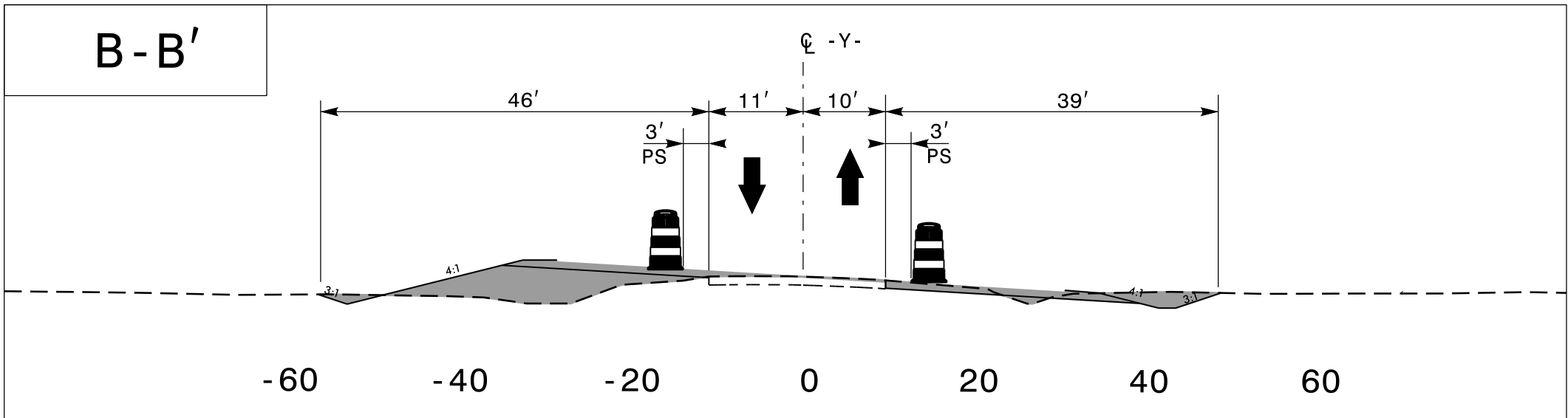


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TOWN OF SHALLOTTE

20+50 (-Y-)



20

25

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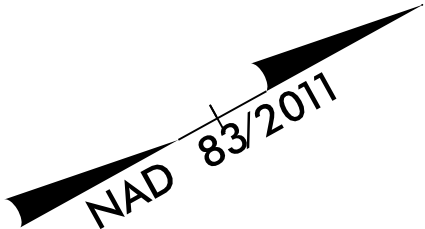
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DETAIL 1

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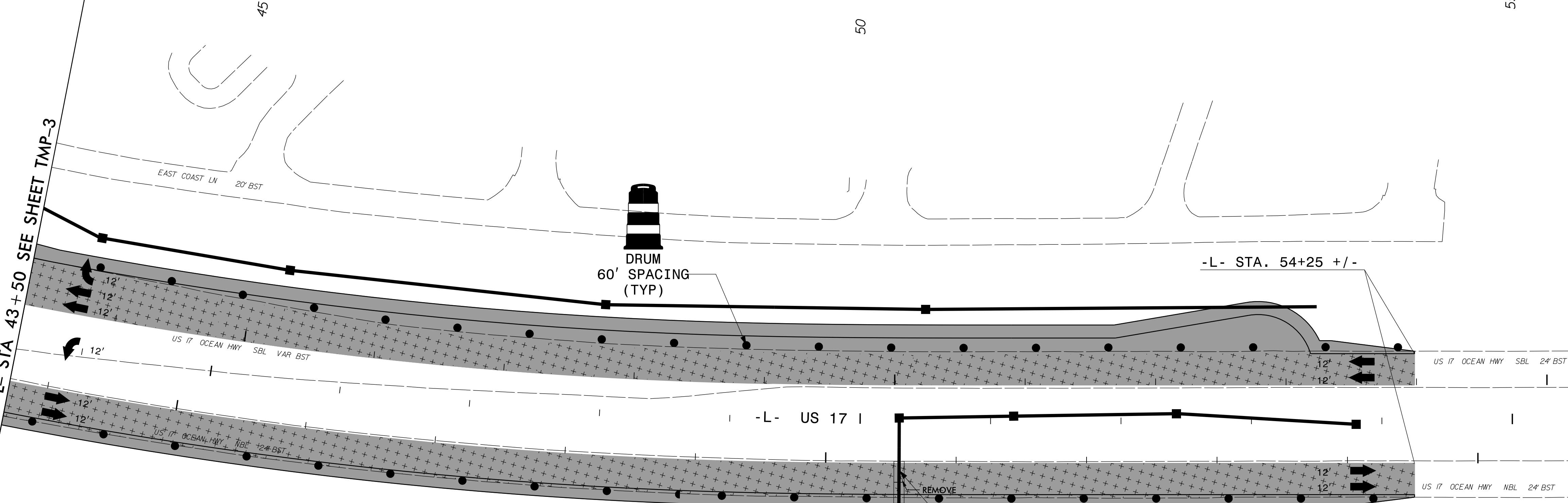
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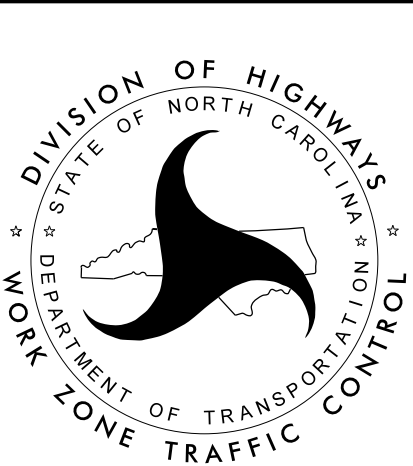


MATCH LINE -L- STA 43+50 SEE SHEET TMP-3



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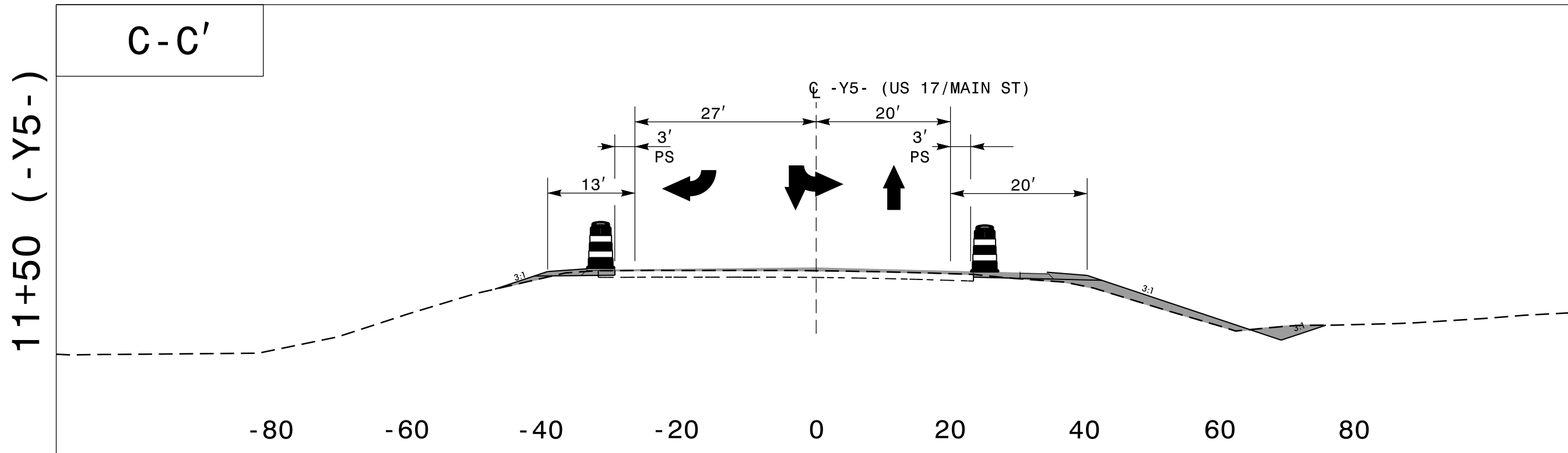
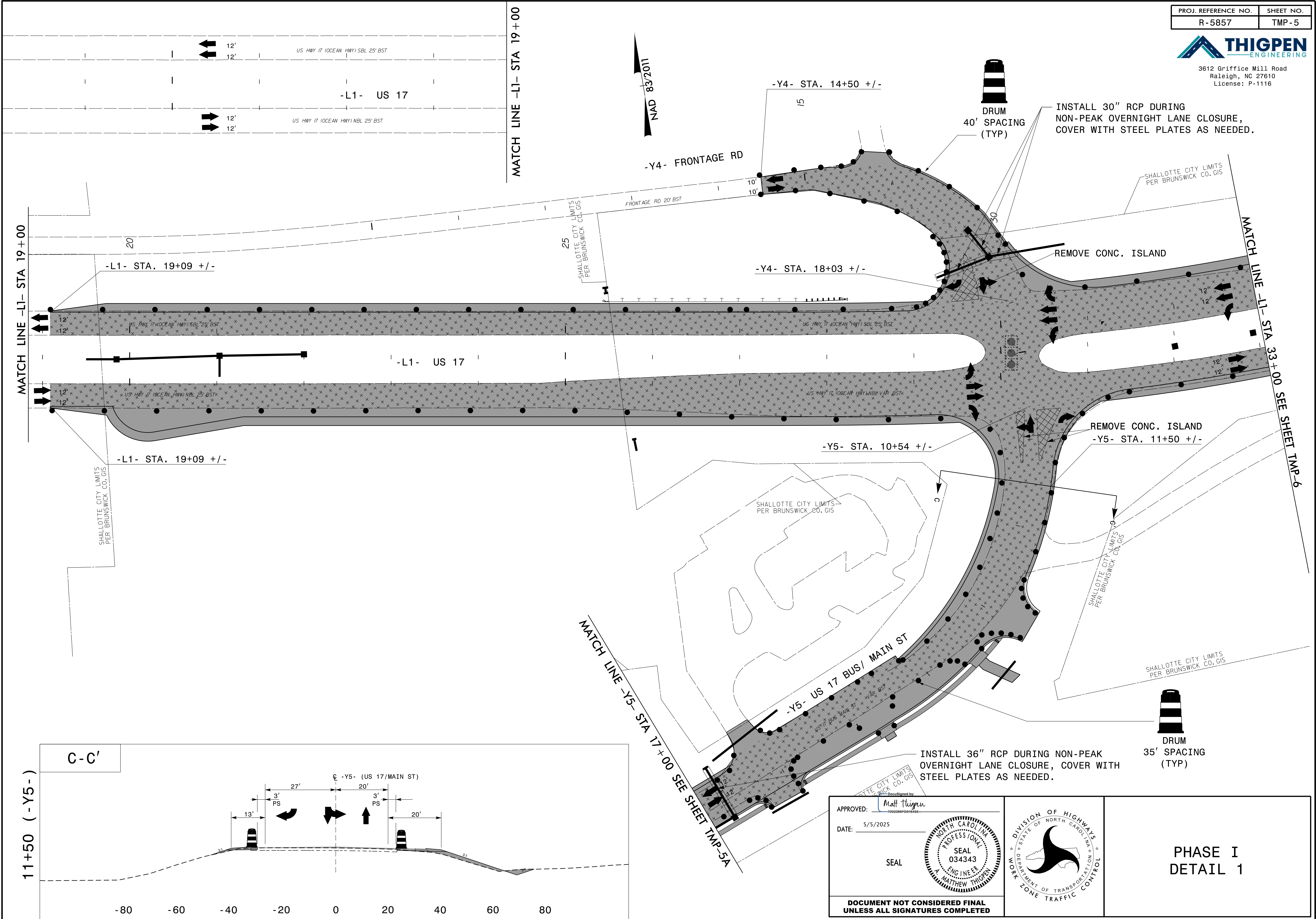
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DATE: <u>5/5/2025</u>	
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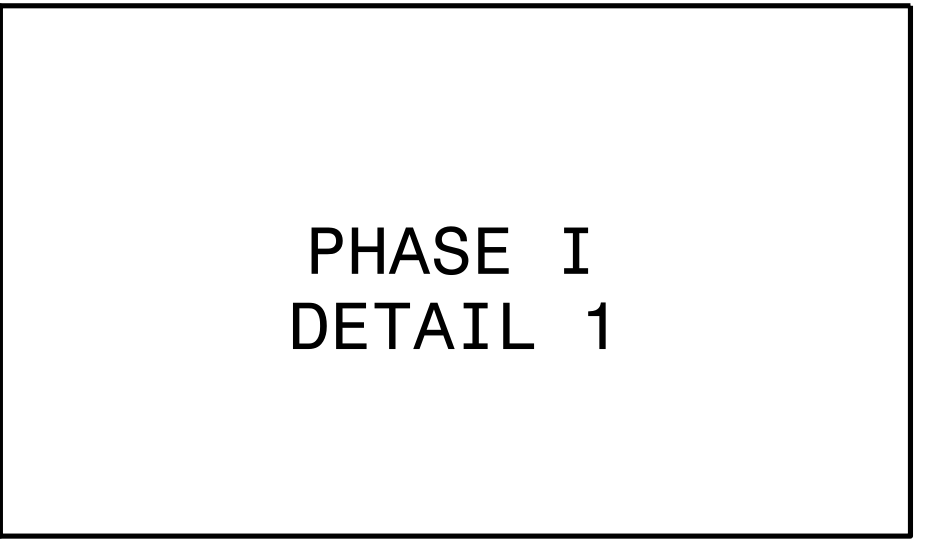
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ENGINEERING

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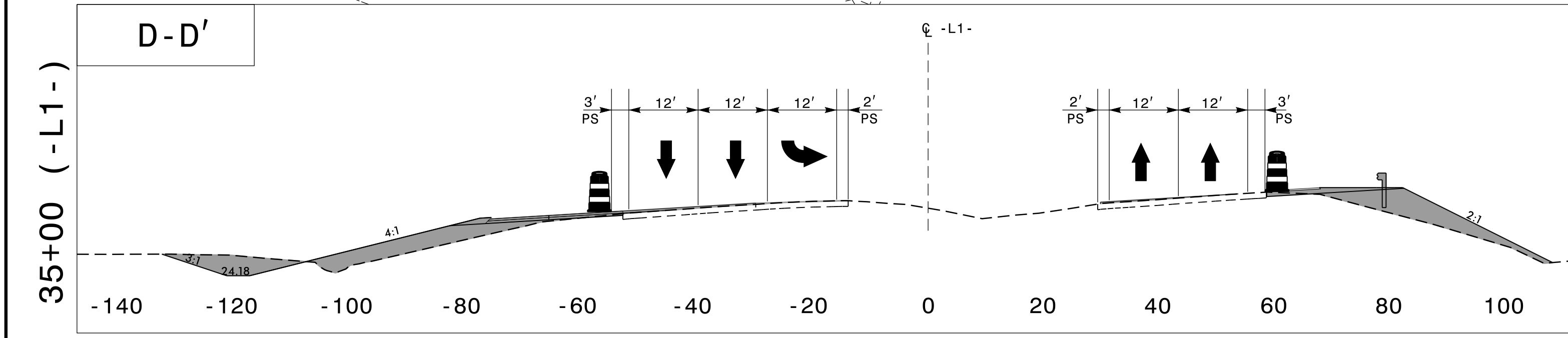
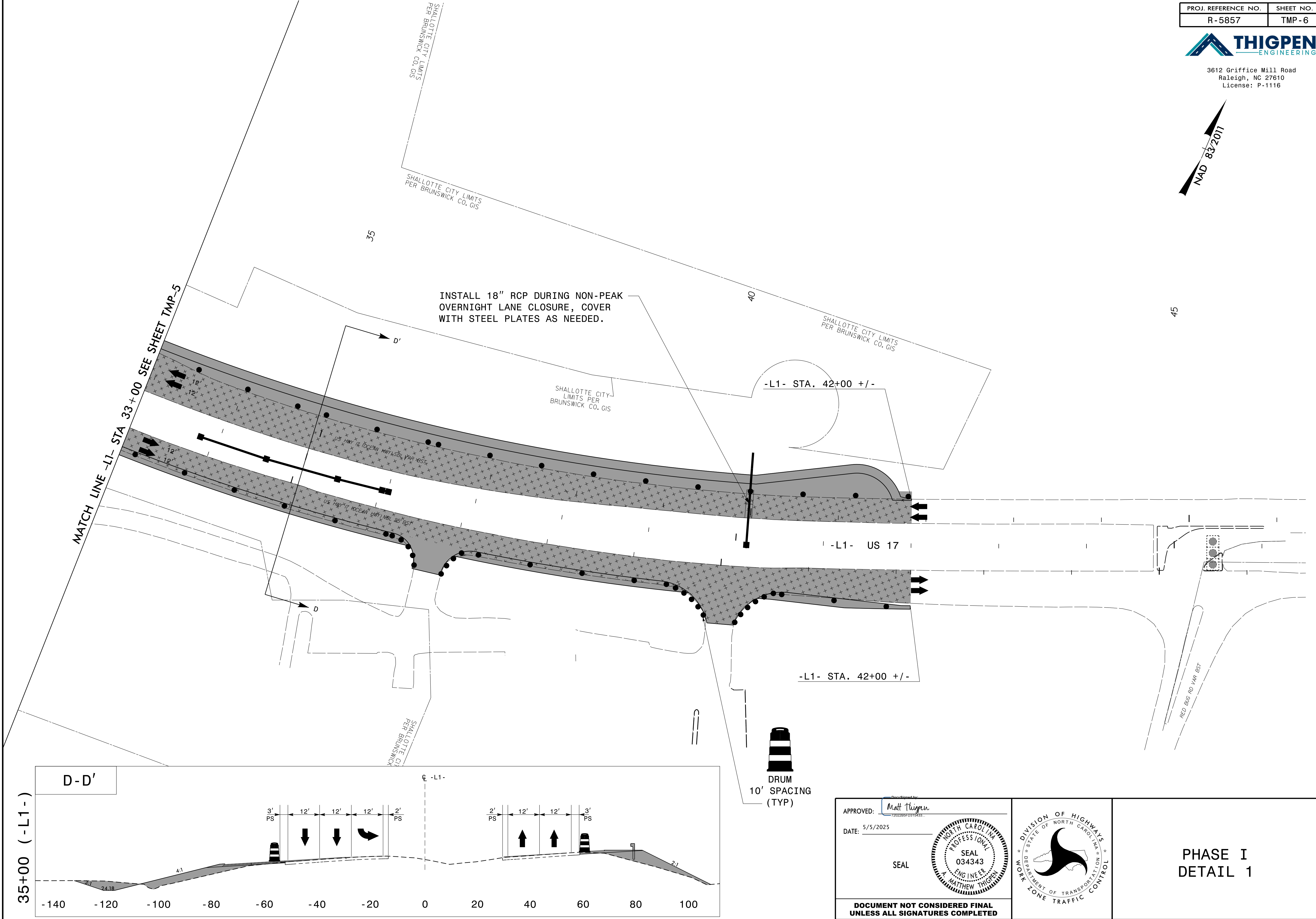
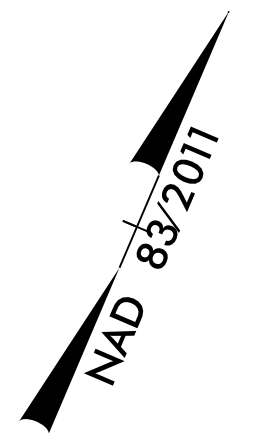


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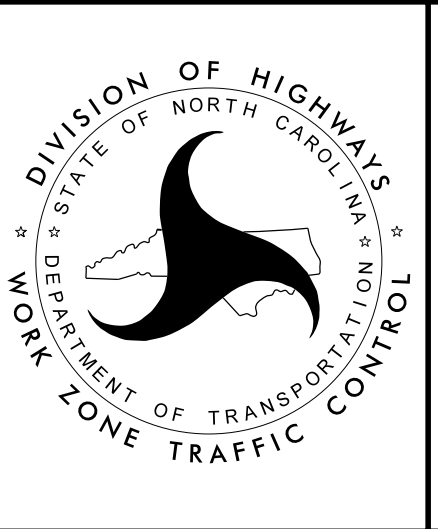
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ENGINEER

A. MATTHEW THIGPEN

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PHASE I
DETAIL 1



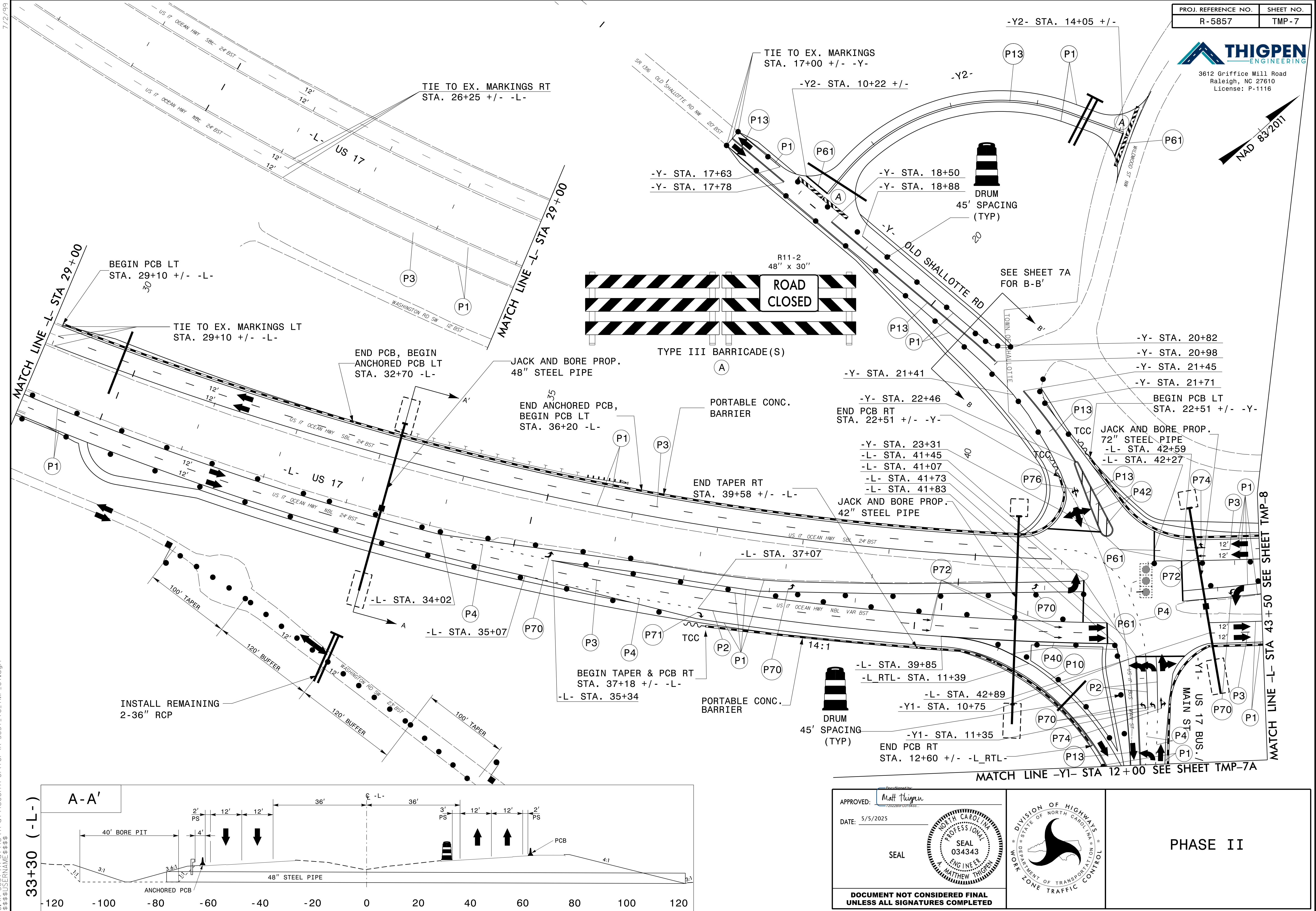
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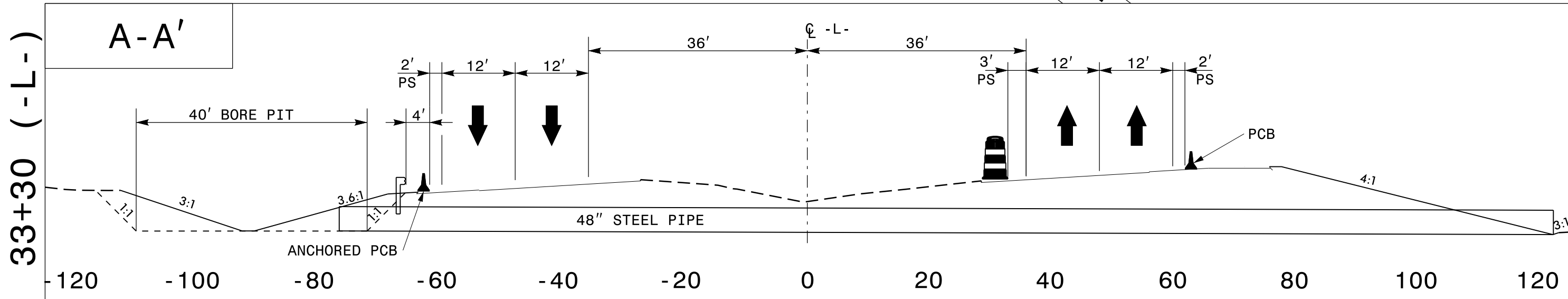
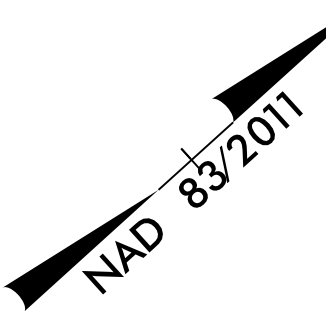
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PROFESSIONAL
ENGINEER
SEAL 034343
MATTHEW THIGPEN



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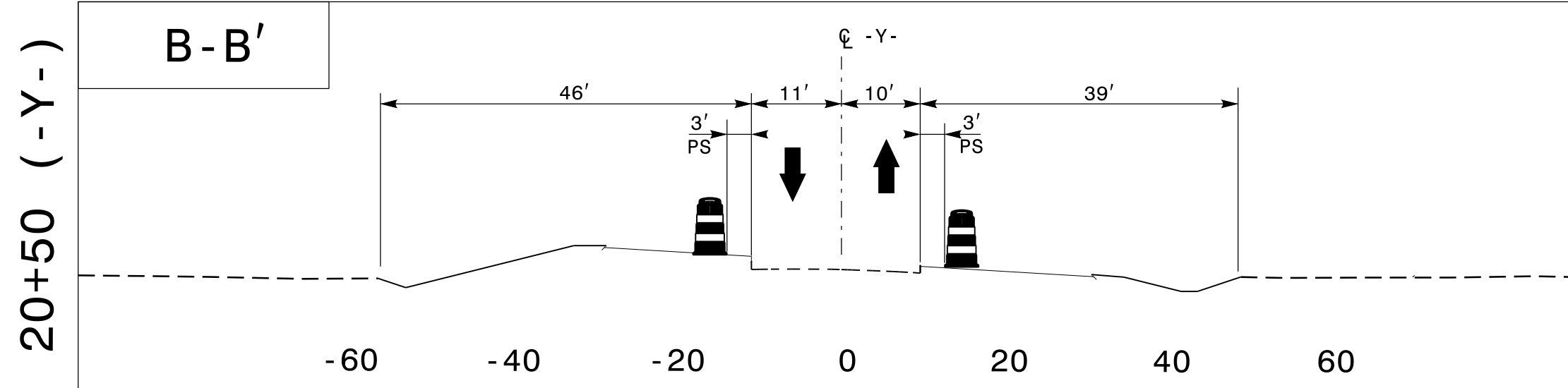
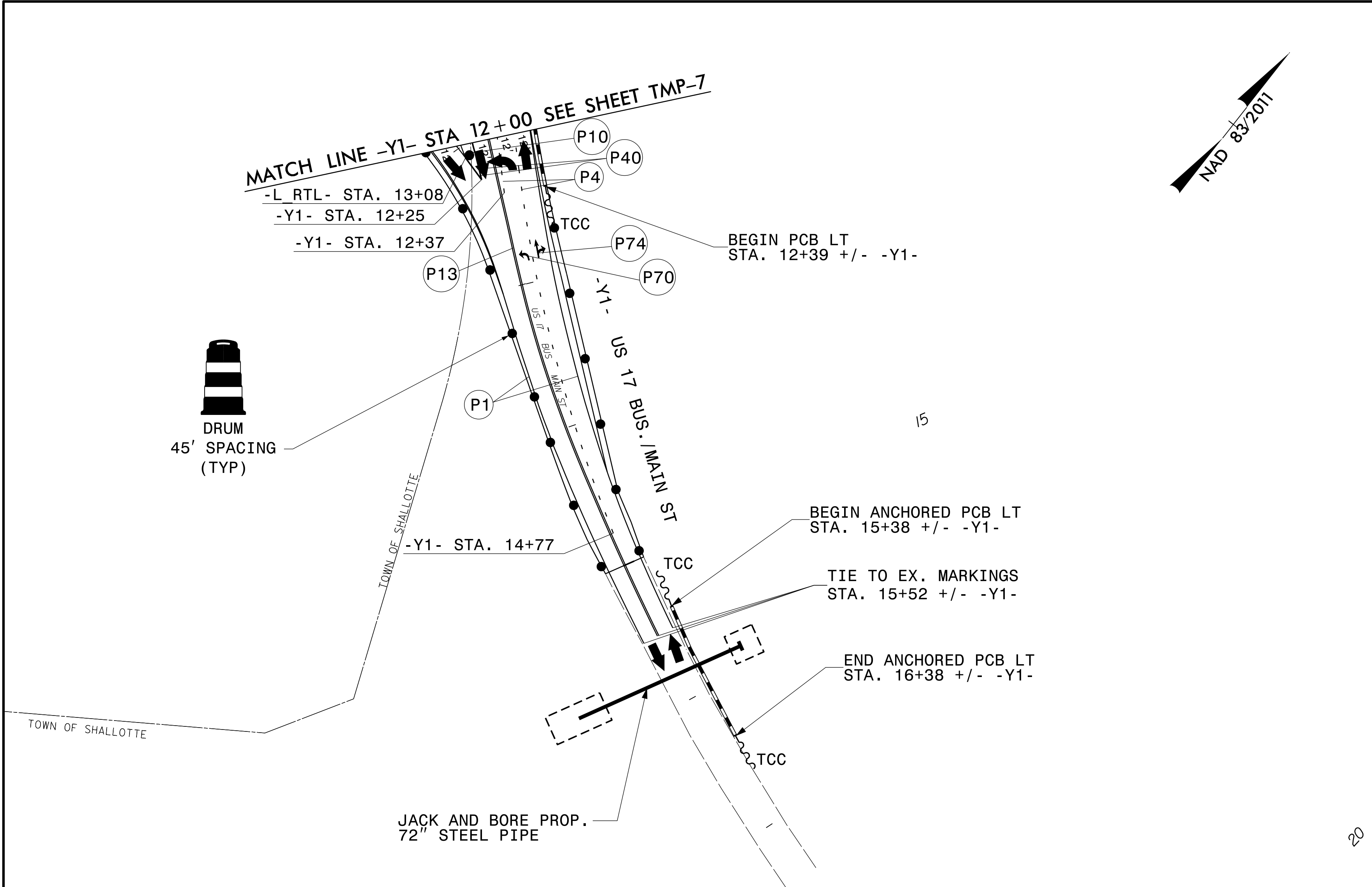
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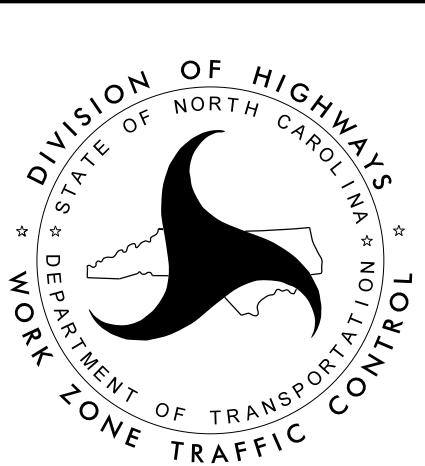


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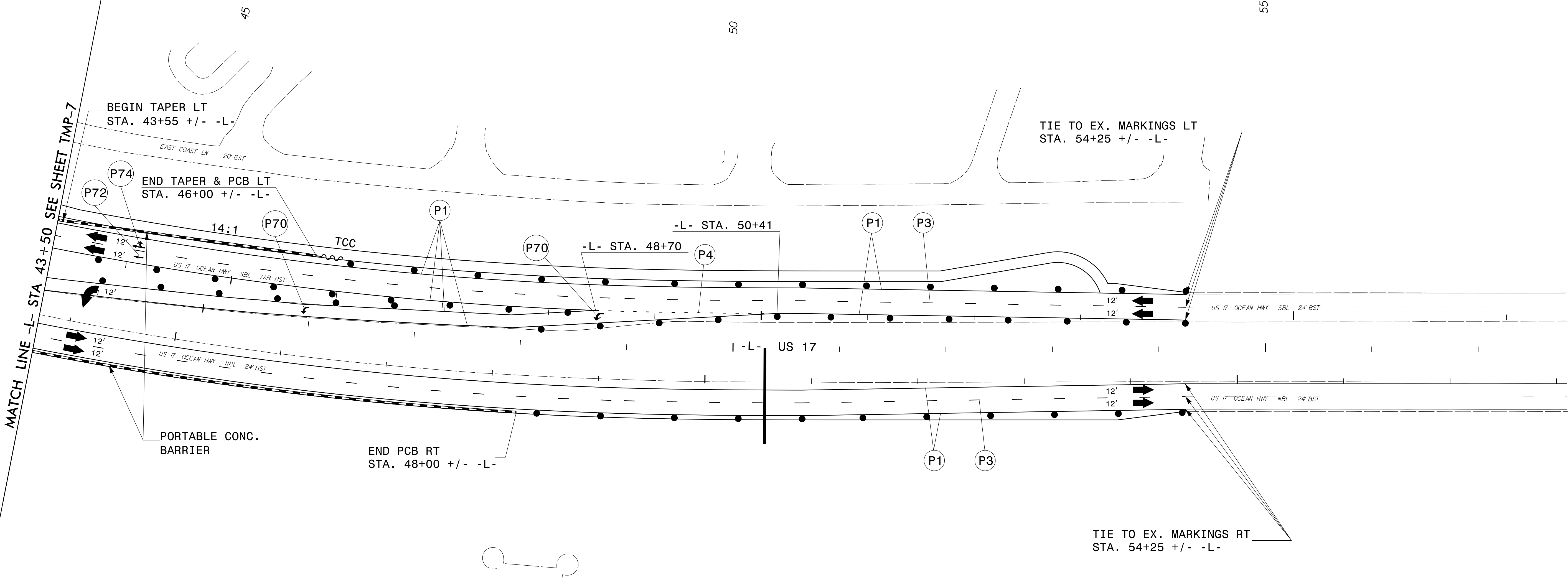
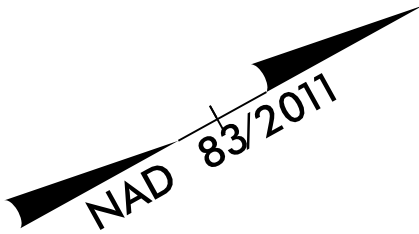


PHASE II

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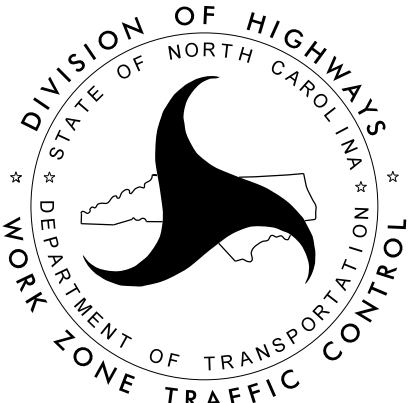
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jthigpen

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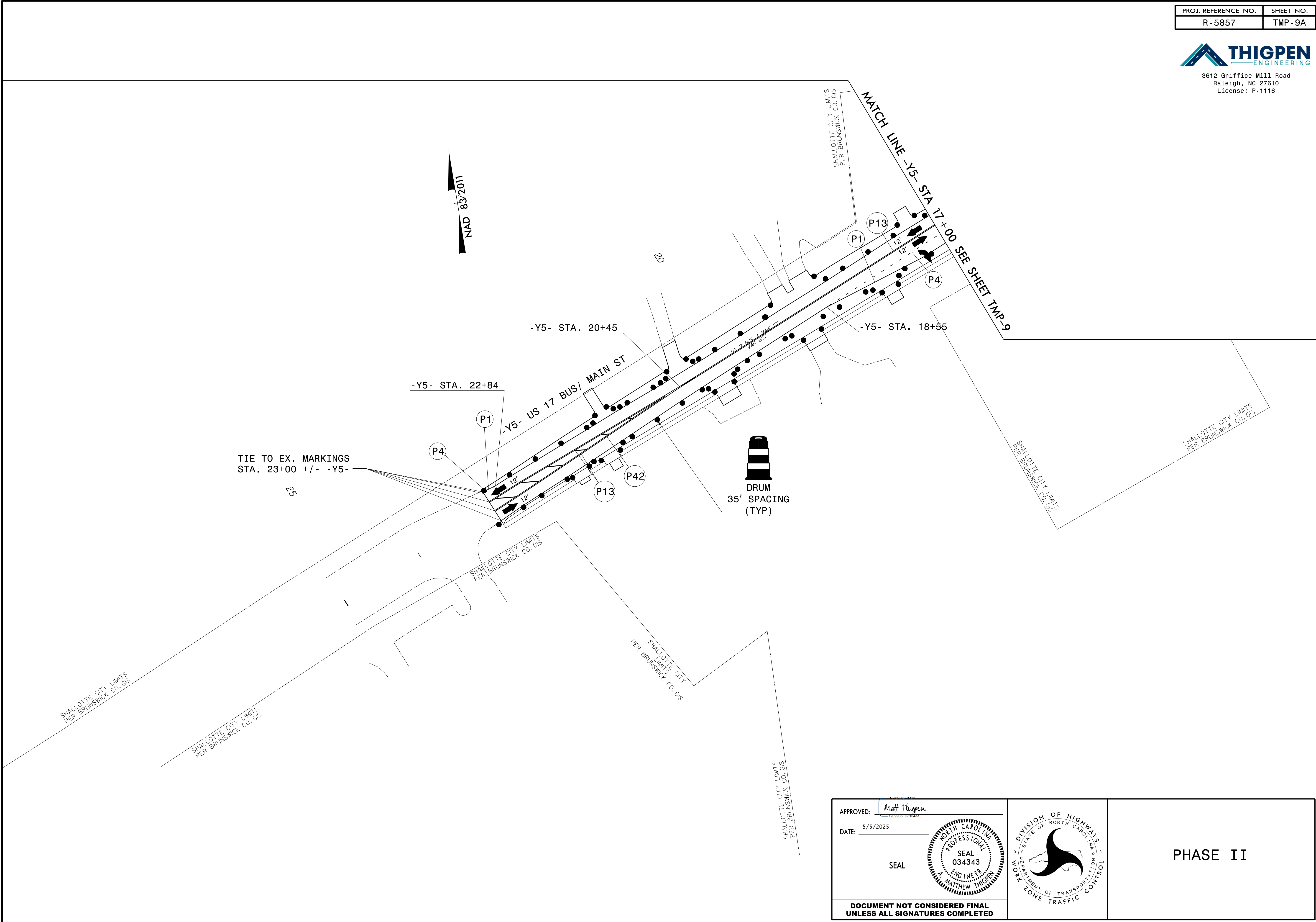
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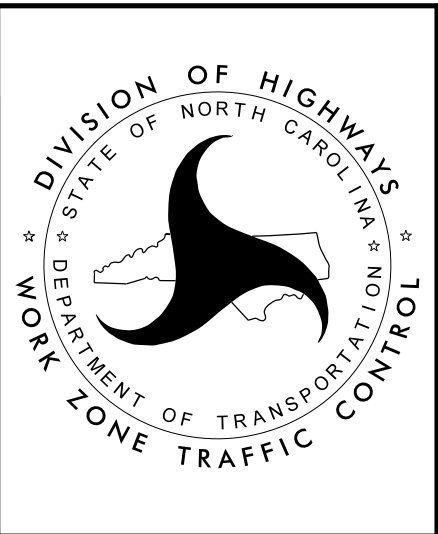
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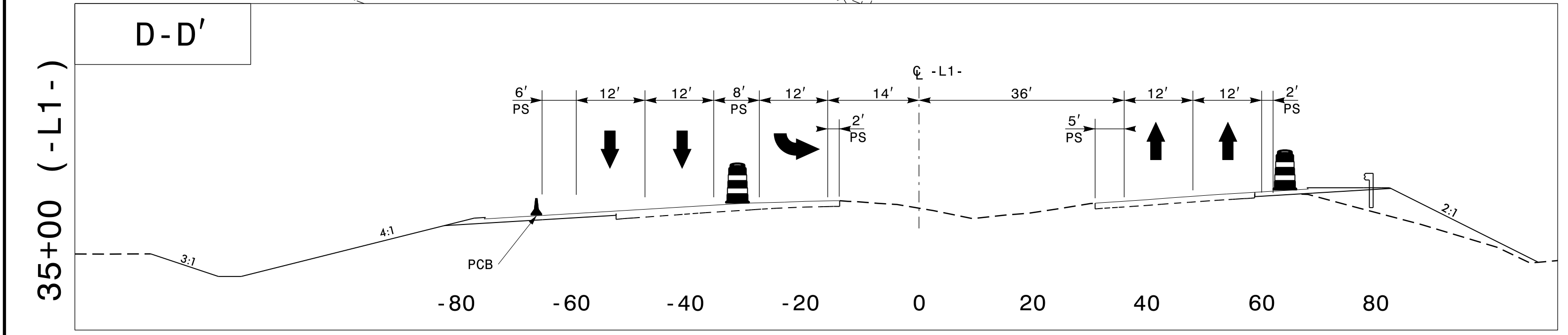
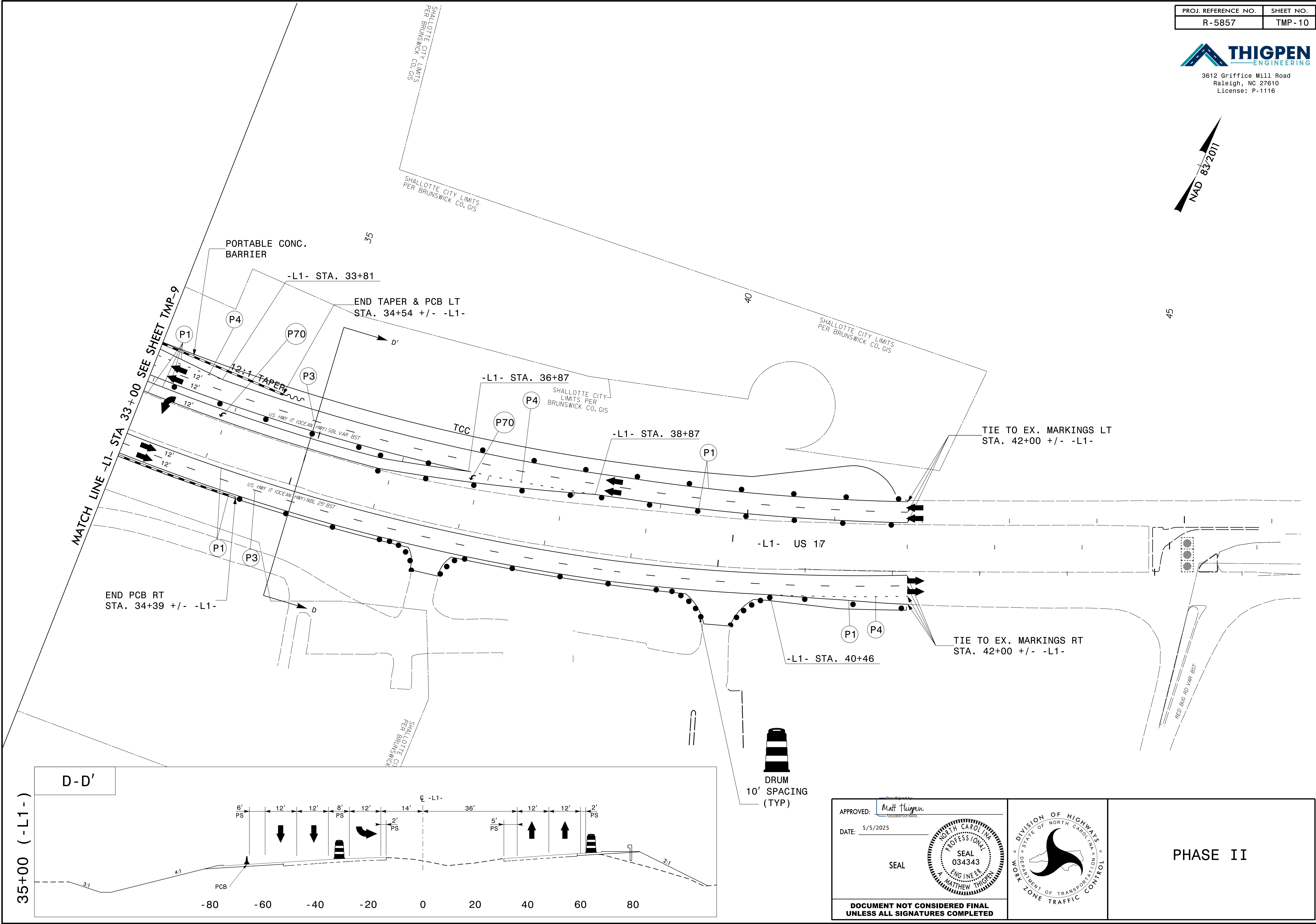
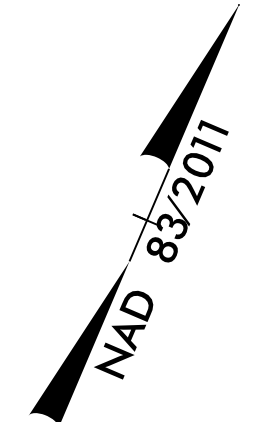
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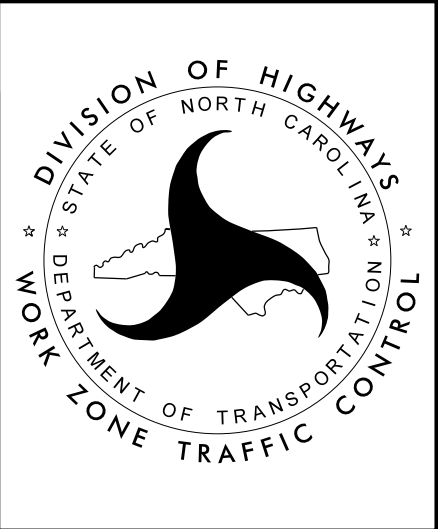
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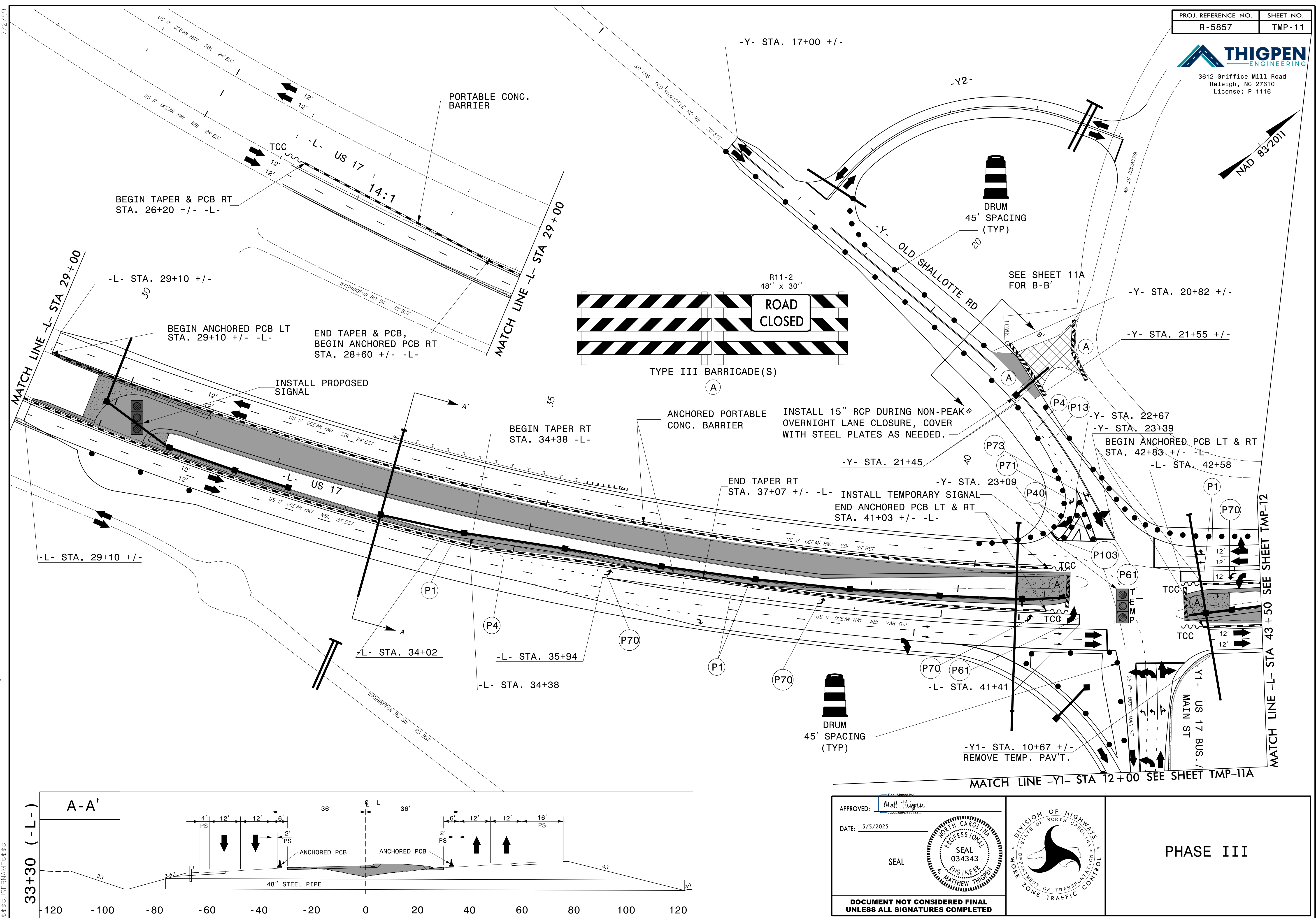
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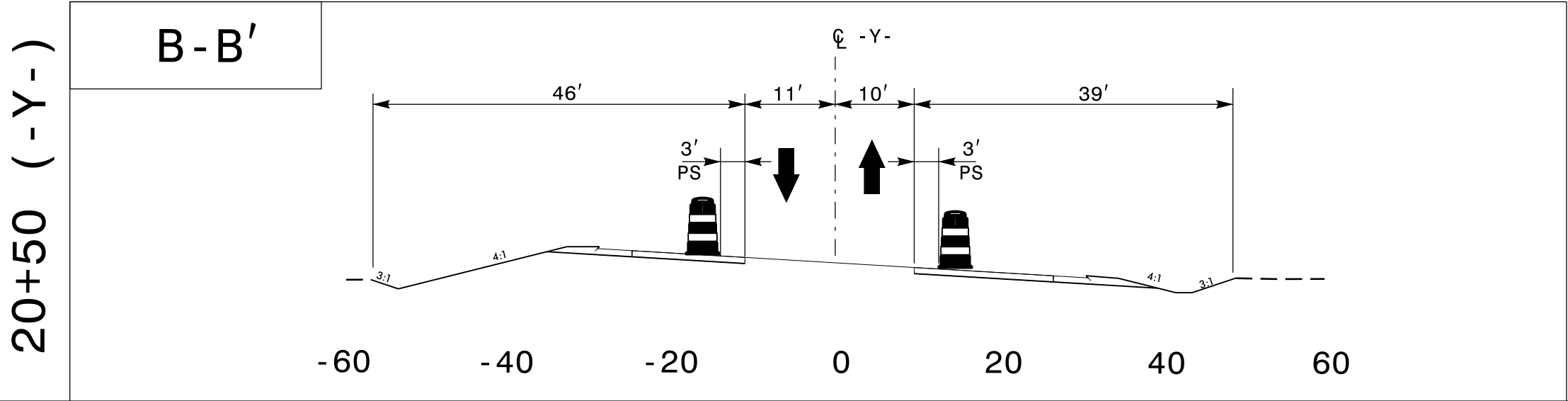
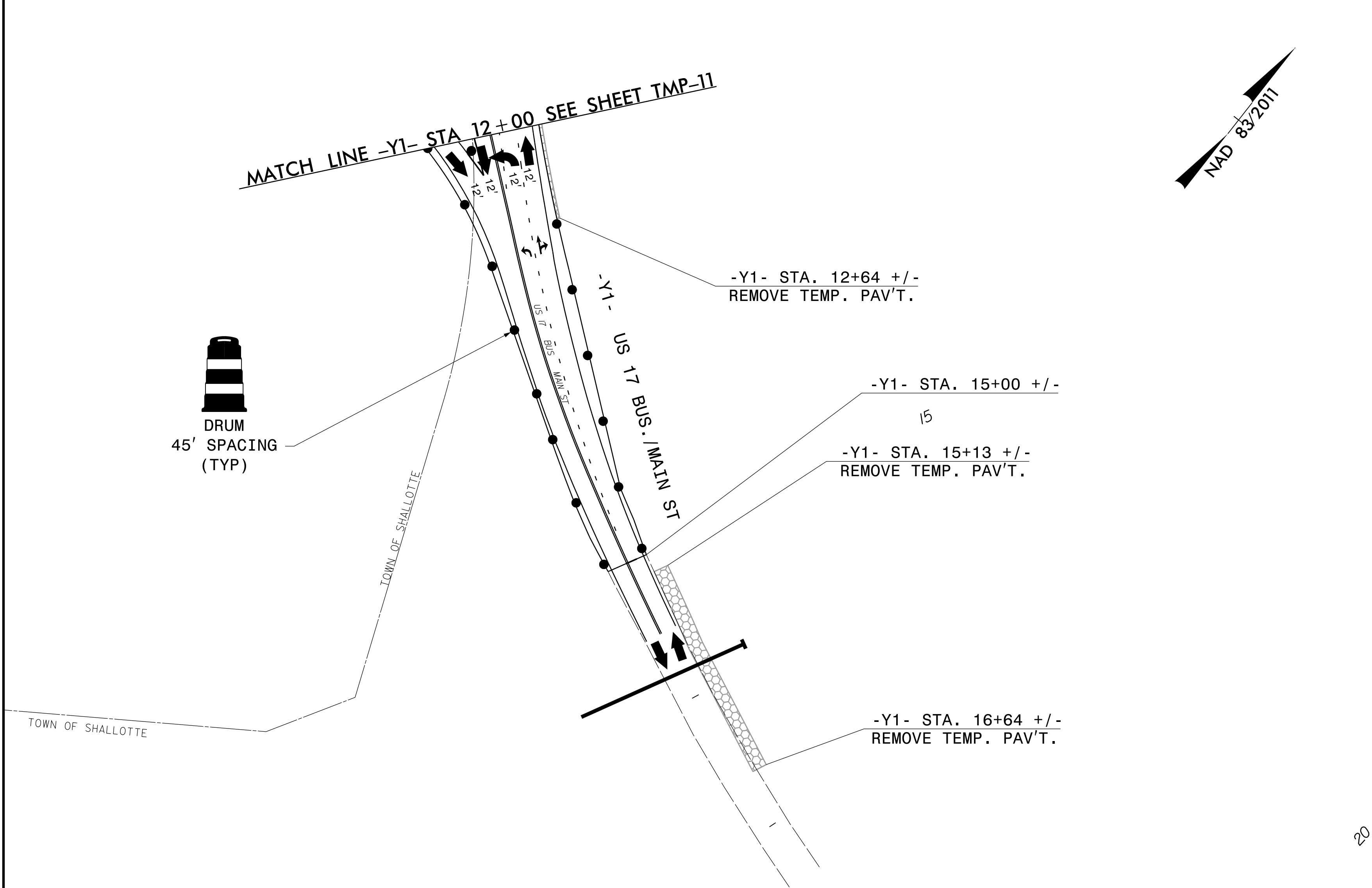


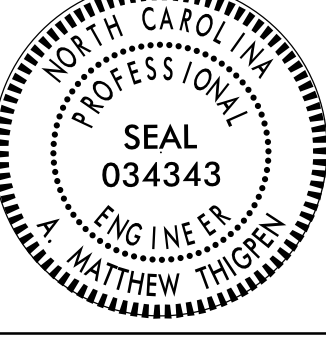
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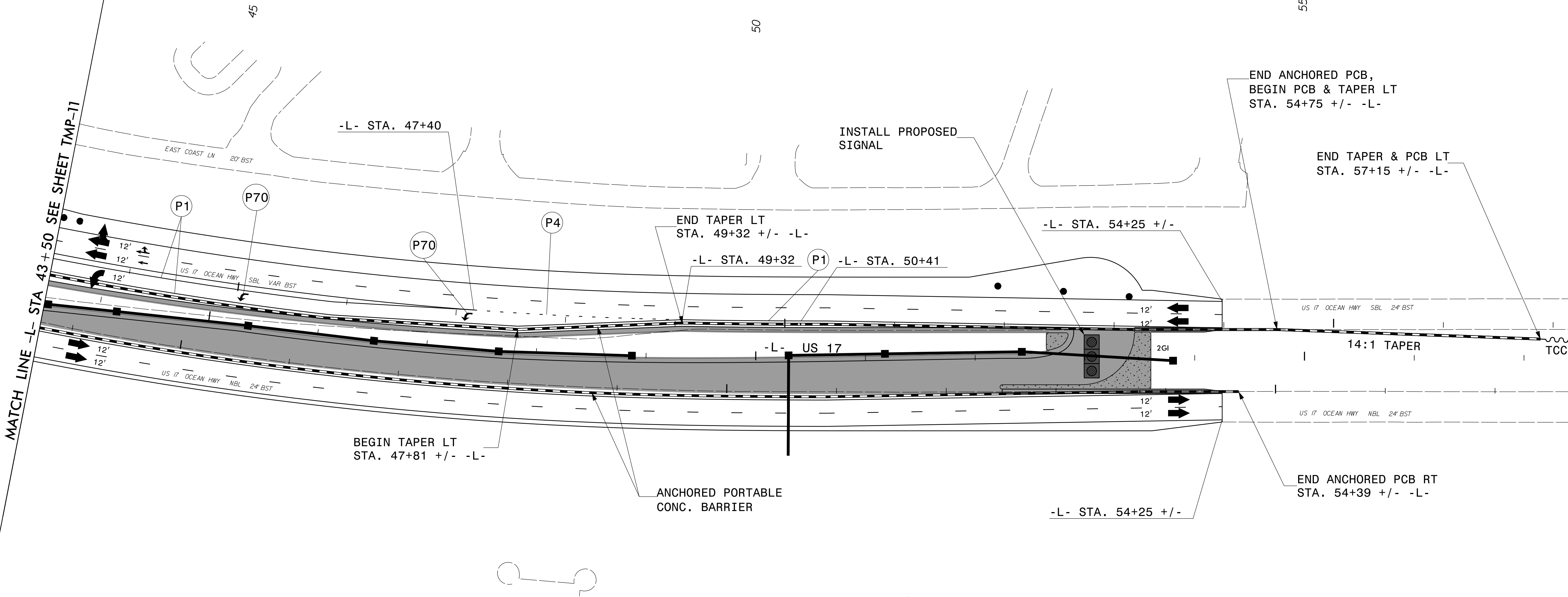
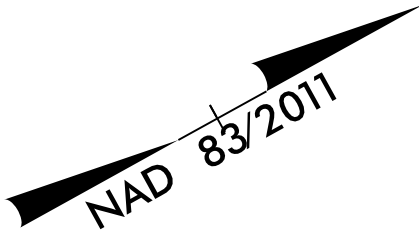
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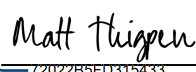
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R-5857	TMP-12

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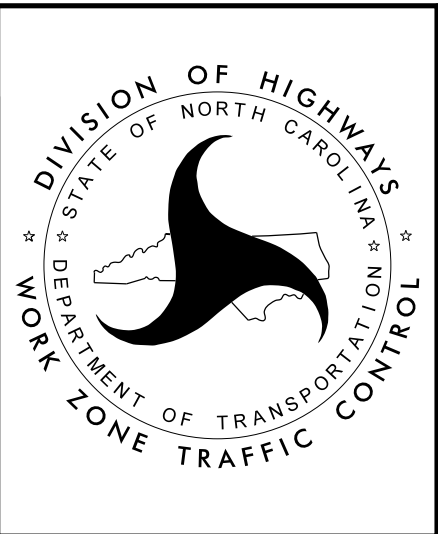
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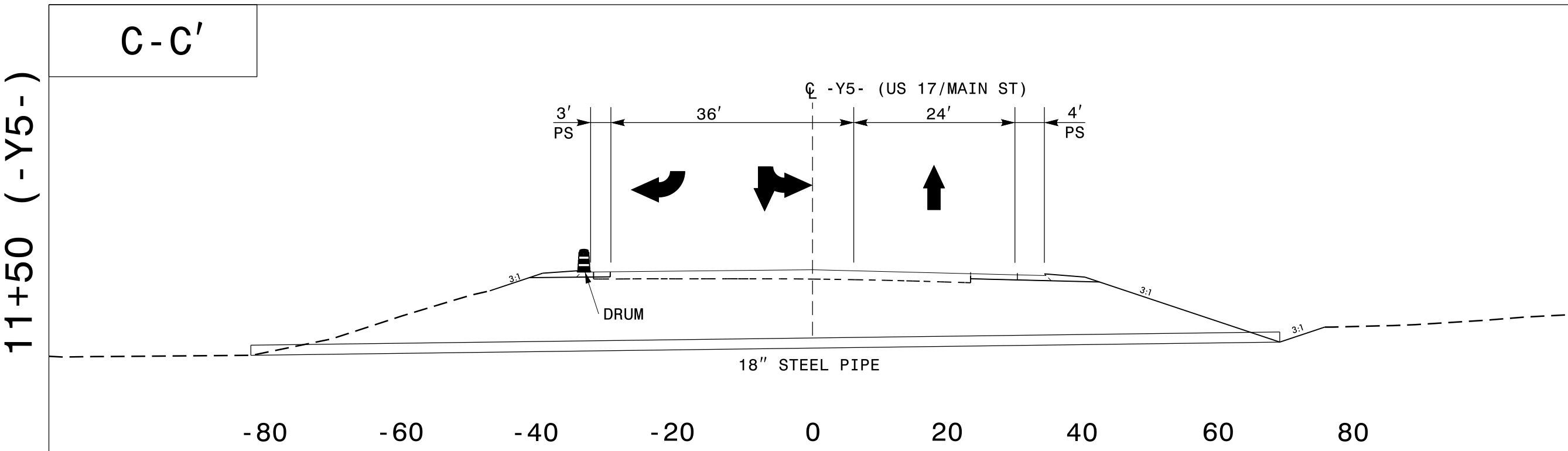
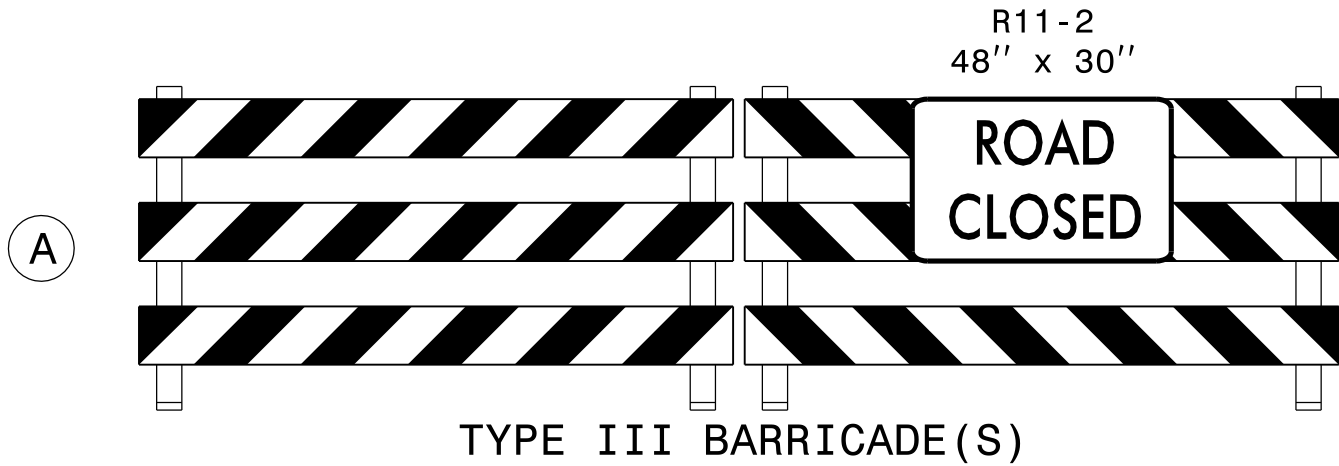
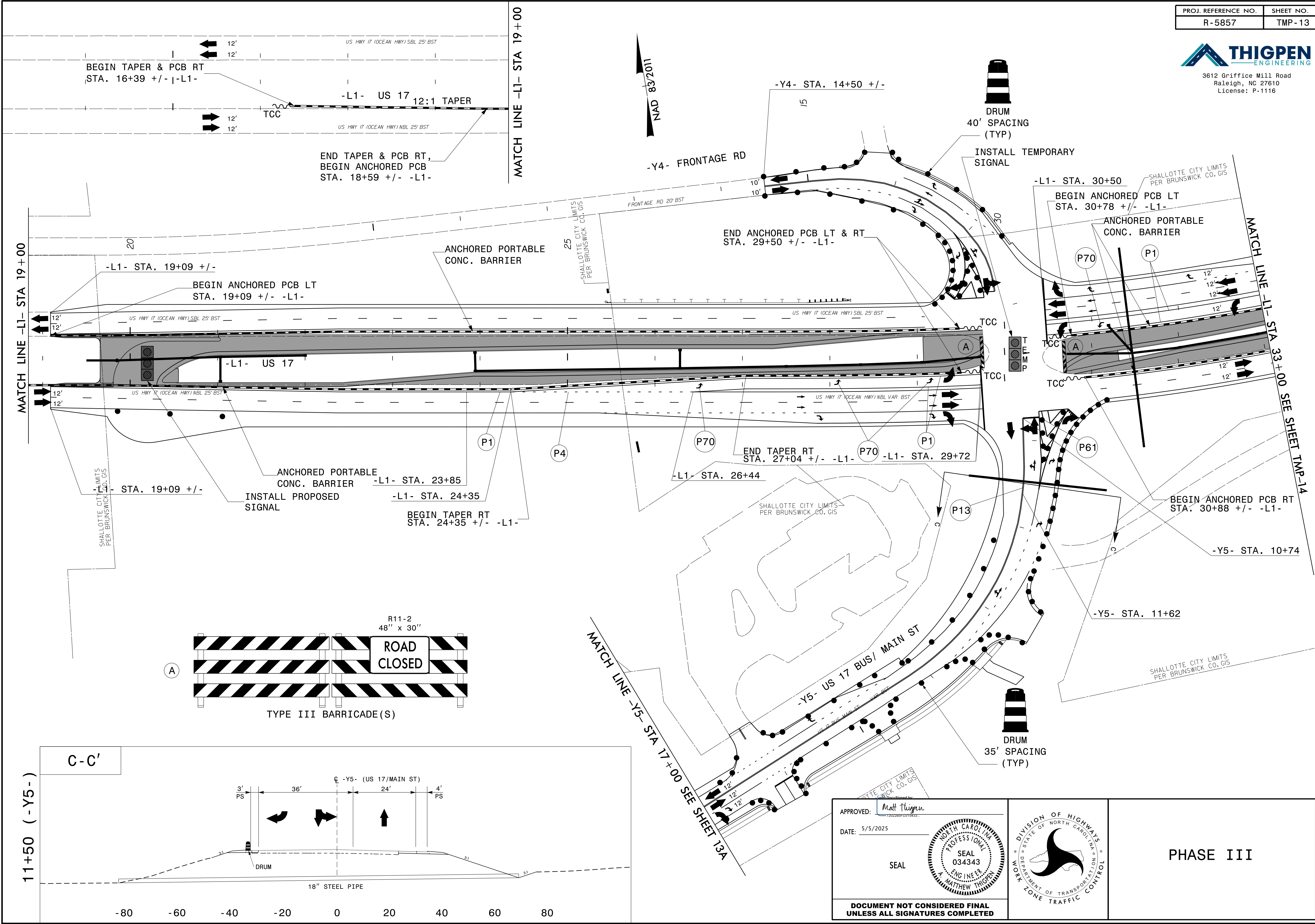
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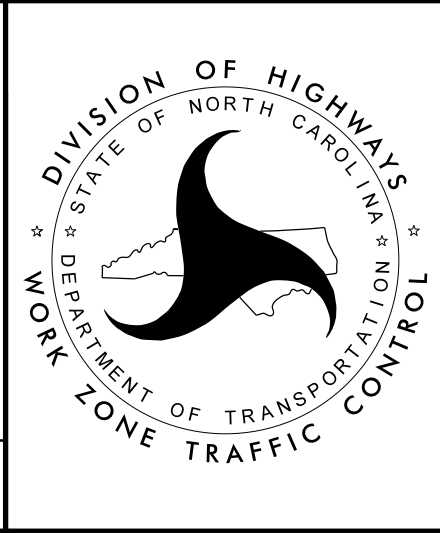


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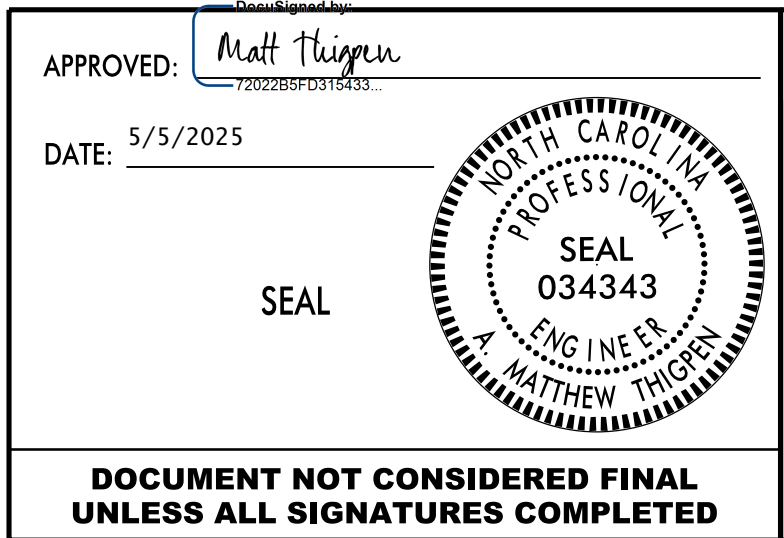
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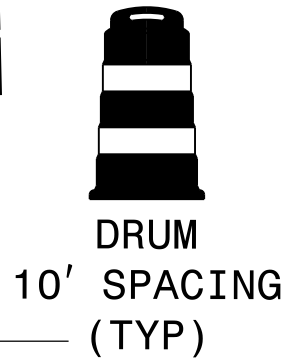
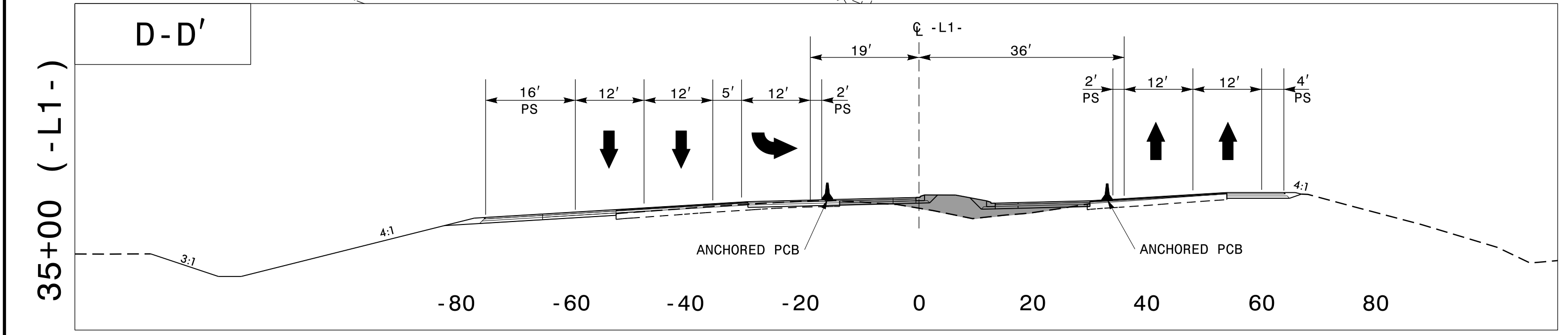
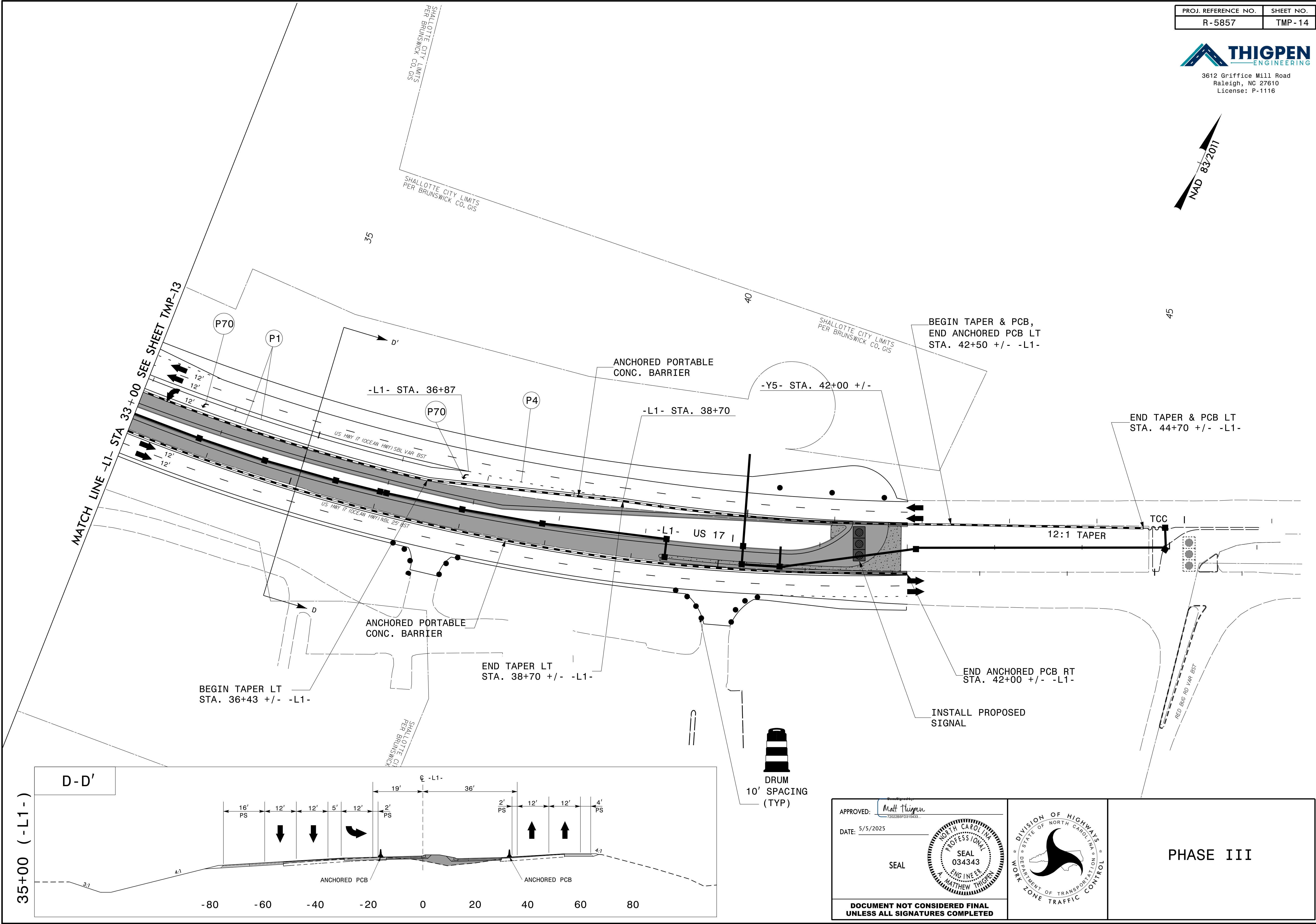
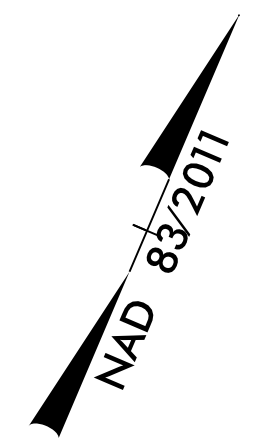
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R-5857	TMP-14



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PROFESSIONAL
ENGINEER
SEAL 034343
MATTHEW THIGPEN

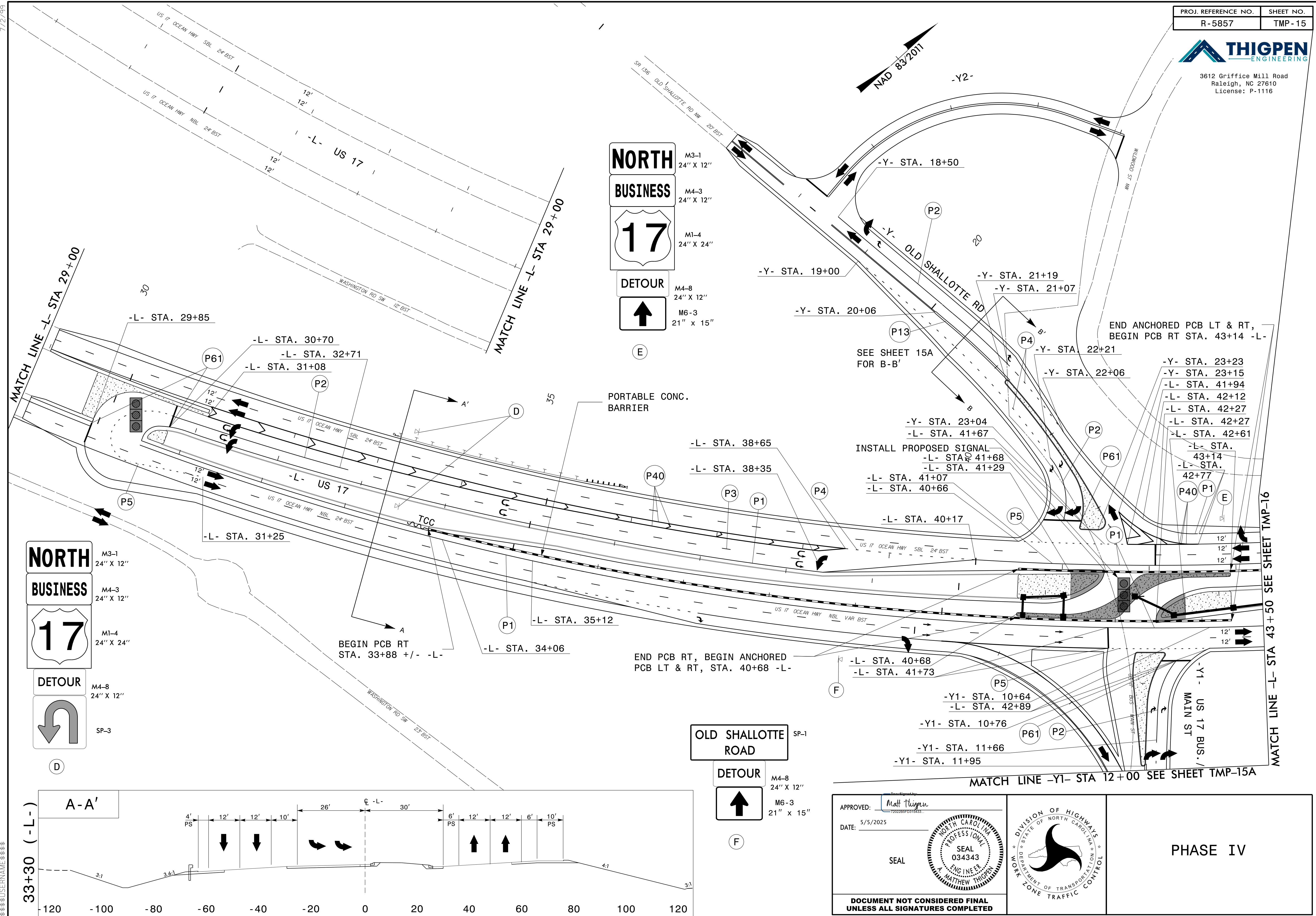
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DIVISION OF HIGHWAYS
STATE OF NORTH CAROLINA
DEPARTMENT OF TRANSPORTATION
WORK ZONE TRAFFIC CONTROL

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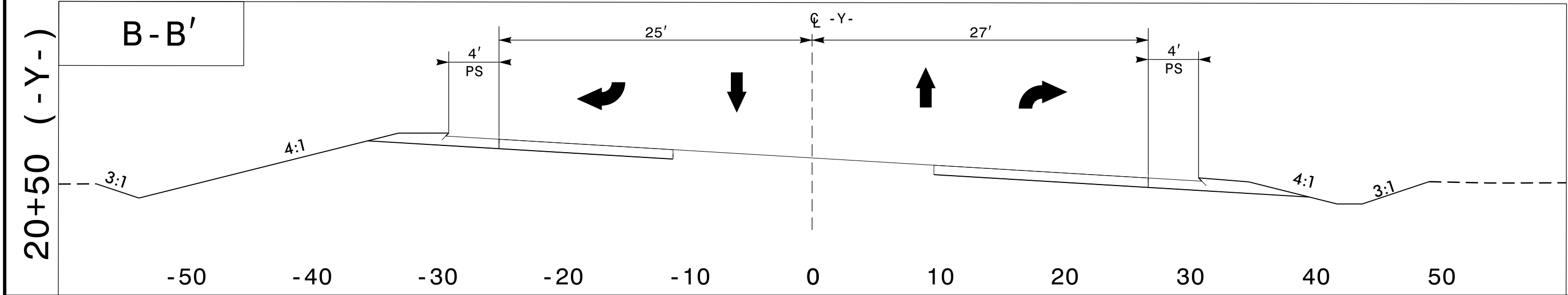
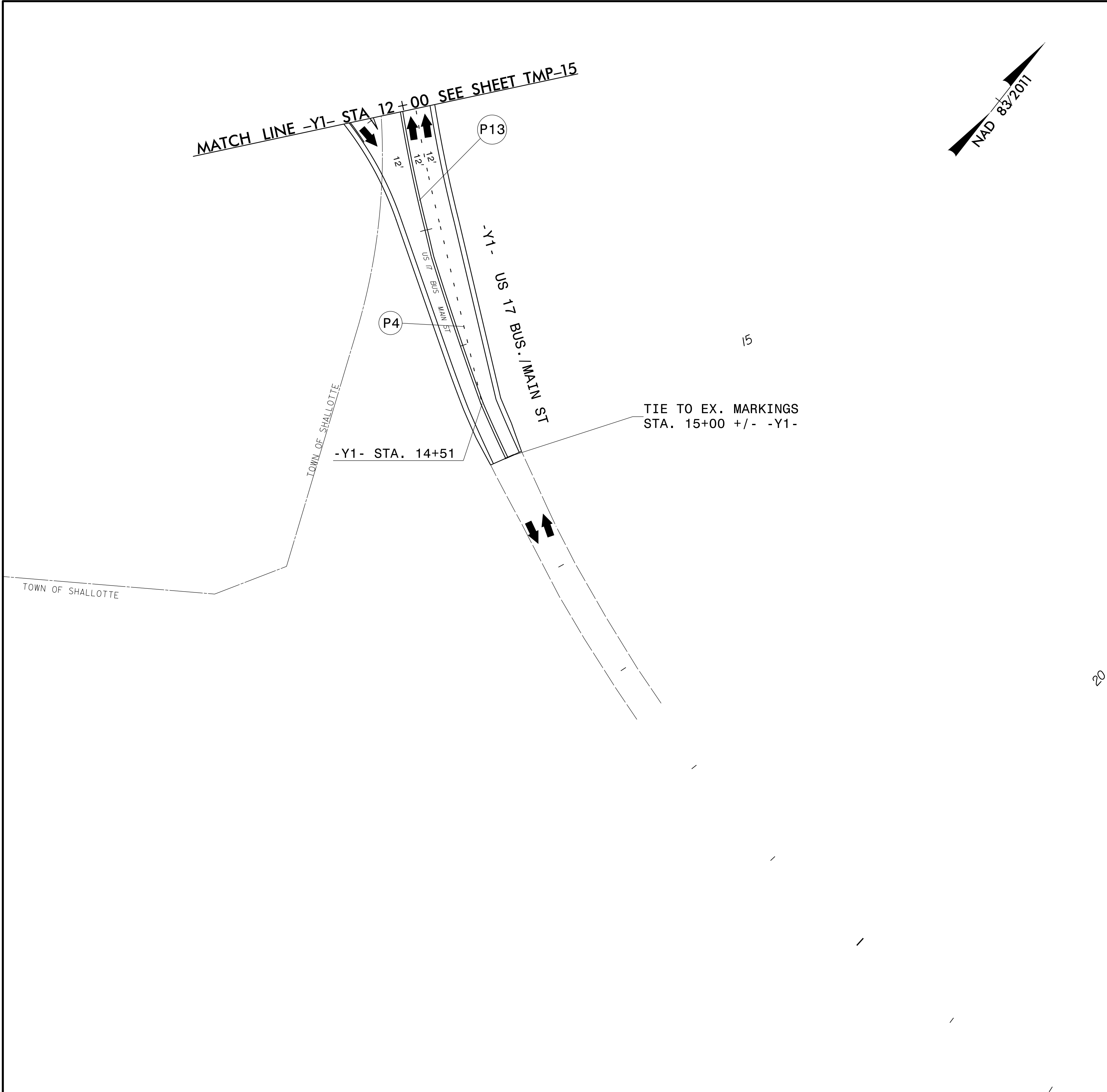


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R-5857	TMP-15A

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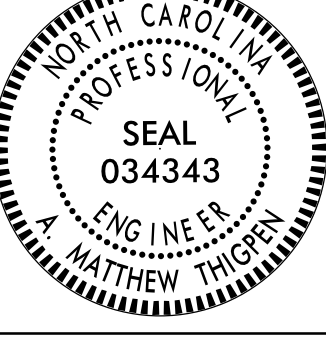
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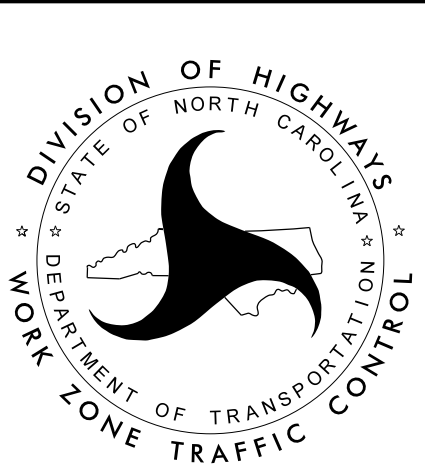
APPROVED: Matt Thigpen

DATE: 5/5/2025

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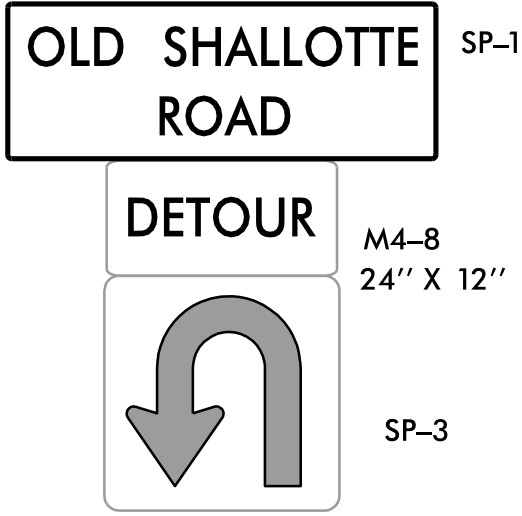
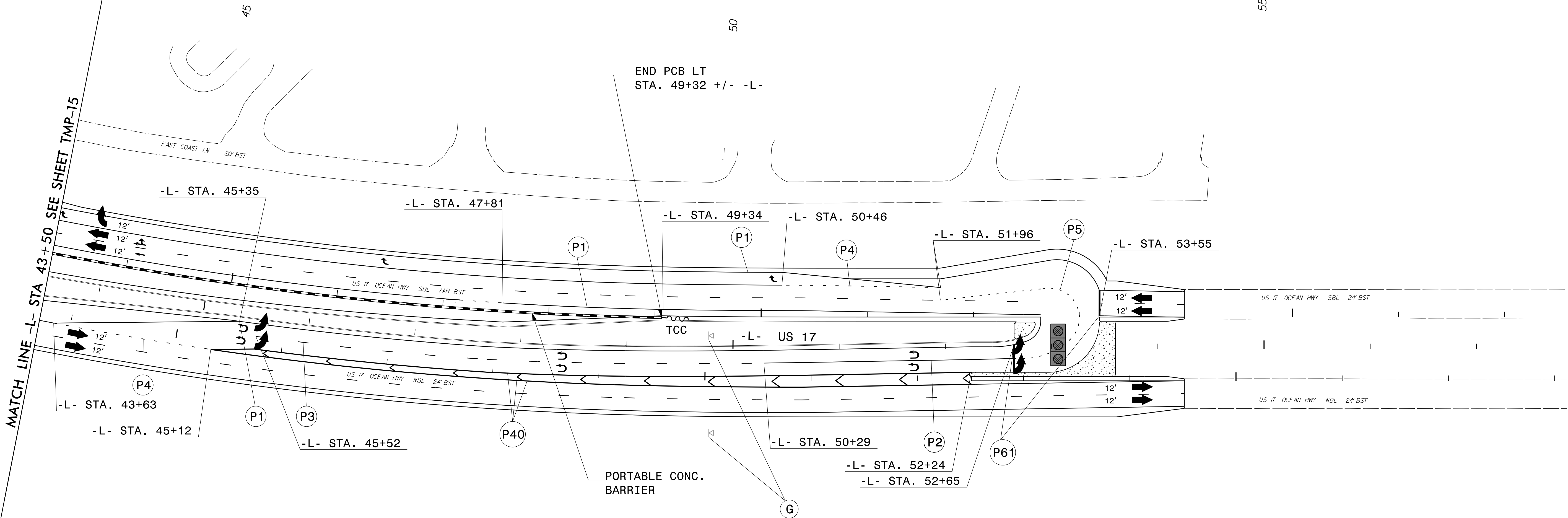
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PROJ. REFERENCE NO.	SHEET NO.
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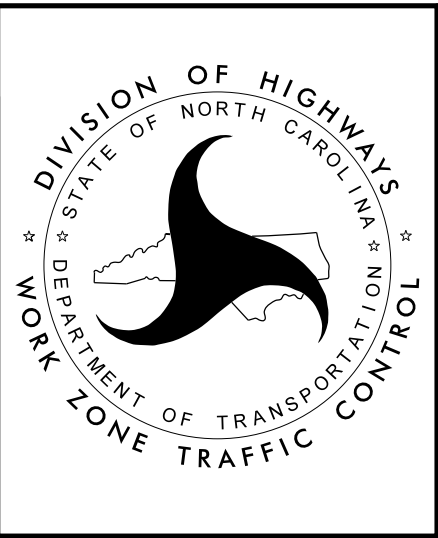
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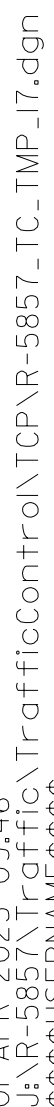


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DATE: <u>5/5/2025</u>	
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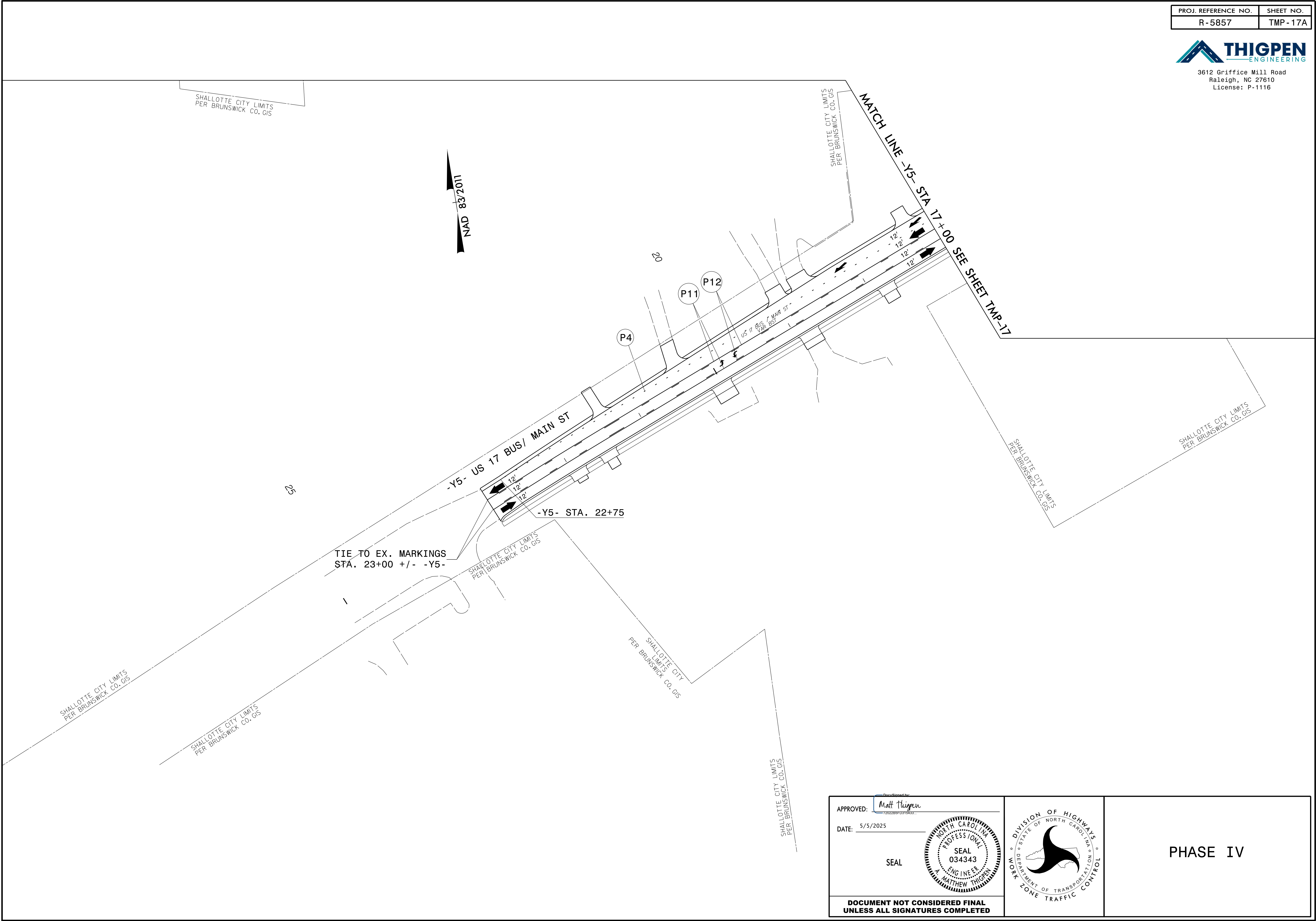


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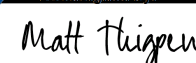
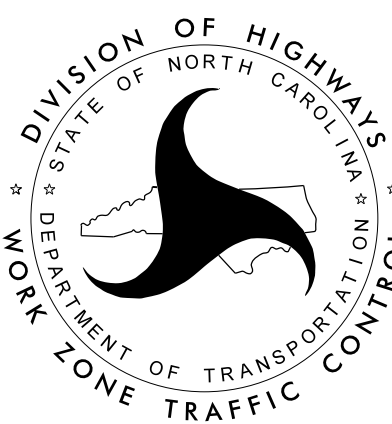
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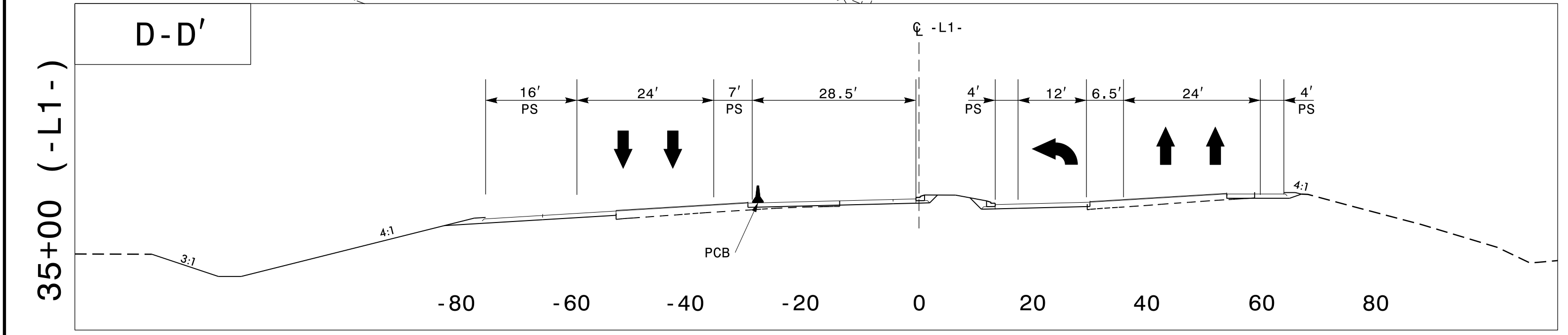
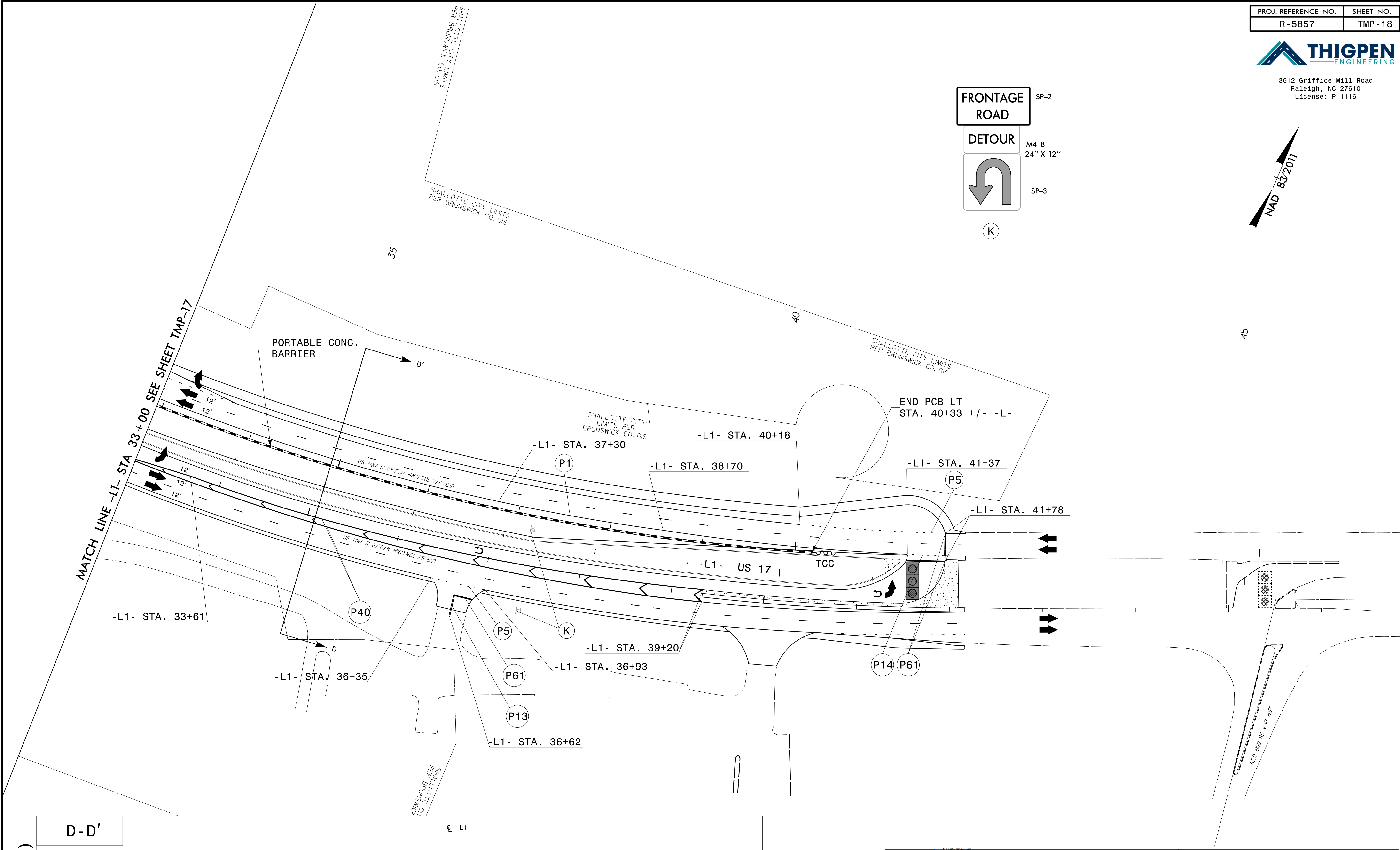
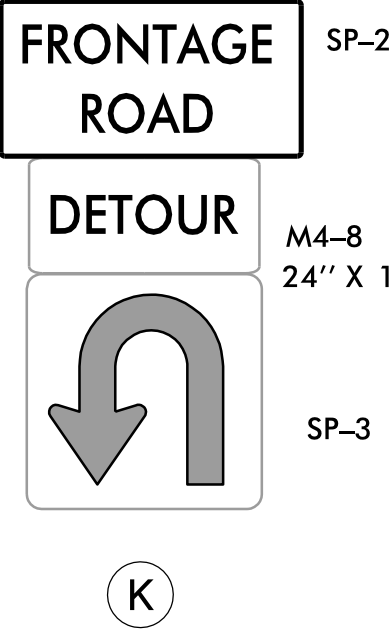
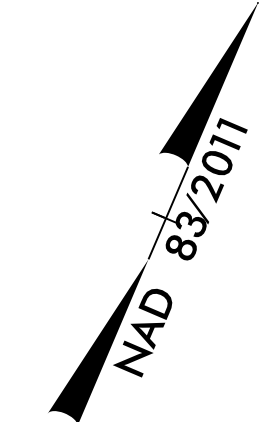
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PROJ. REFERENCE NO.	SHEET NO.
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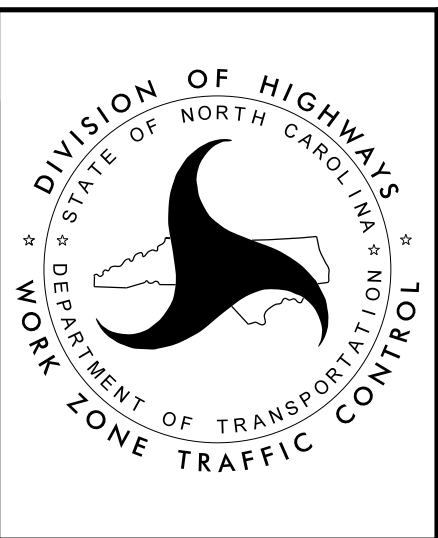


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DATE: 5/5/2025

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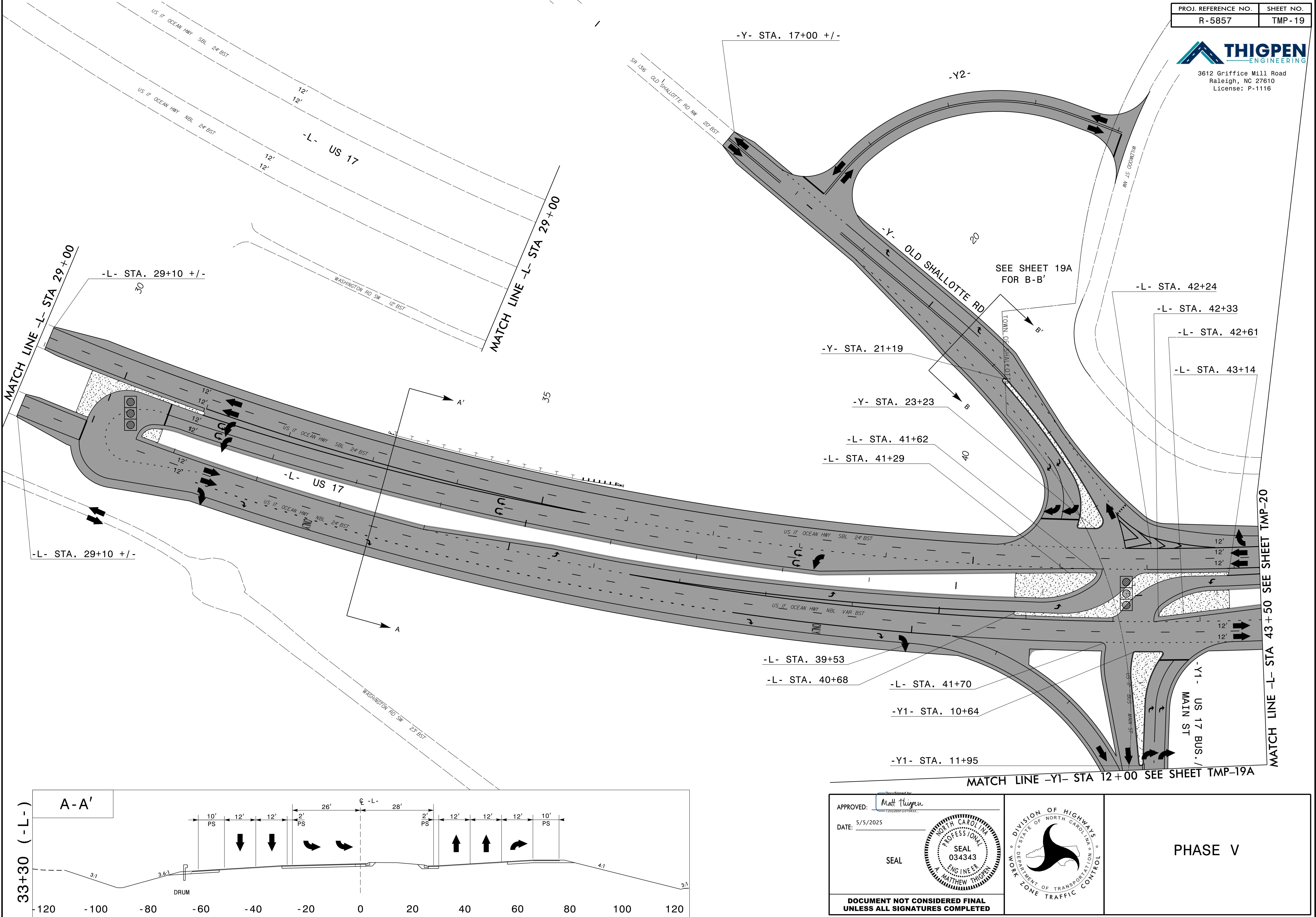
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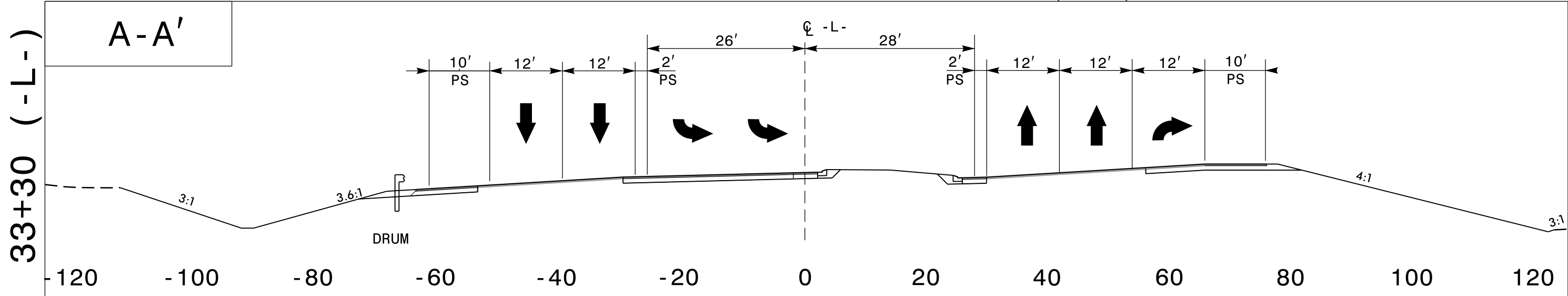
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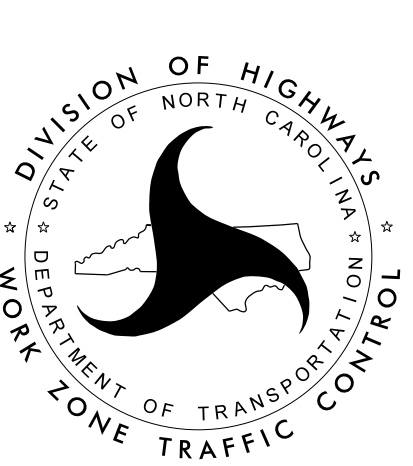
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PHASE V

MATCH LINE -L- STA 43+50 SEE SHEET TMP-20

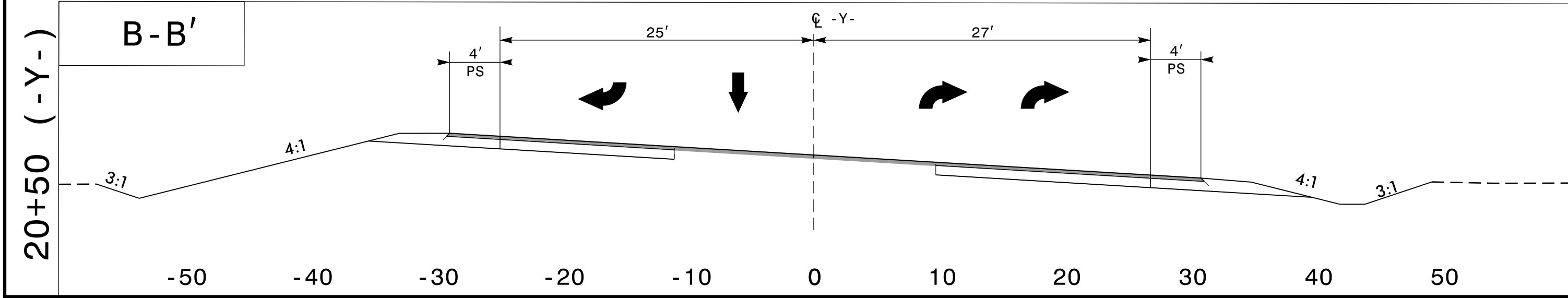
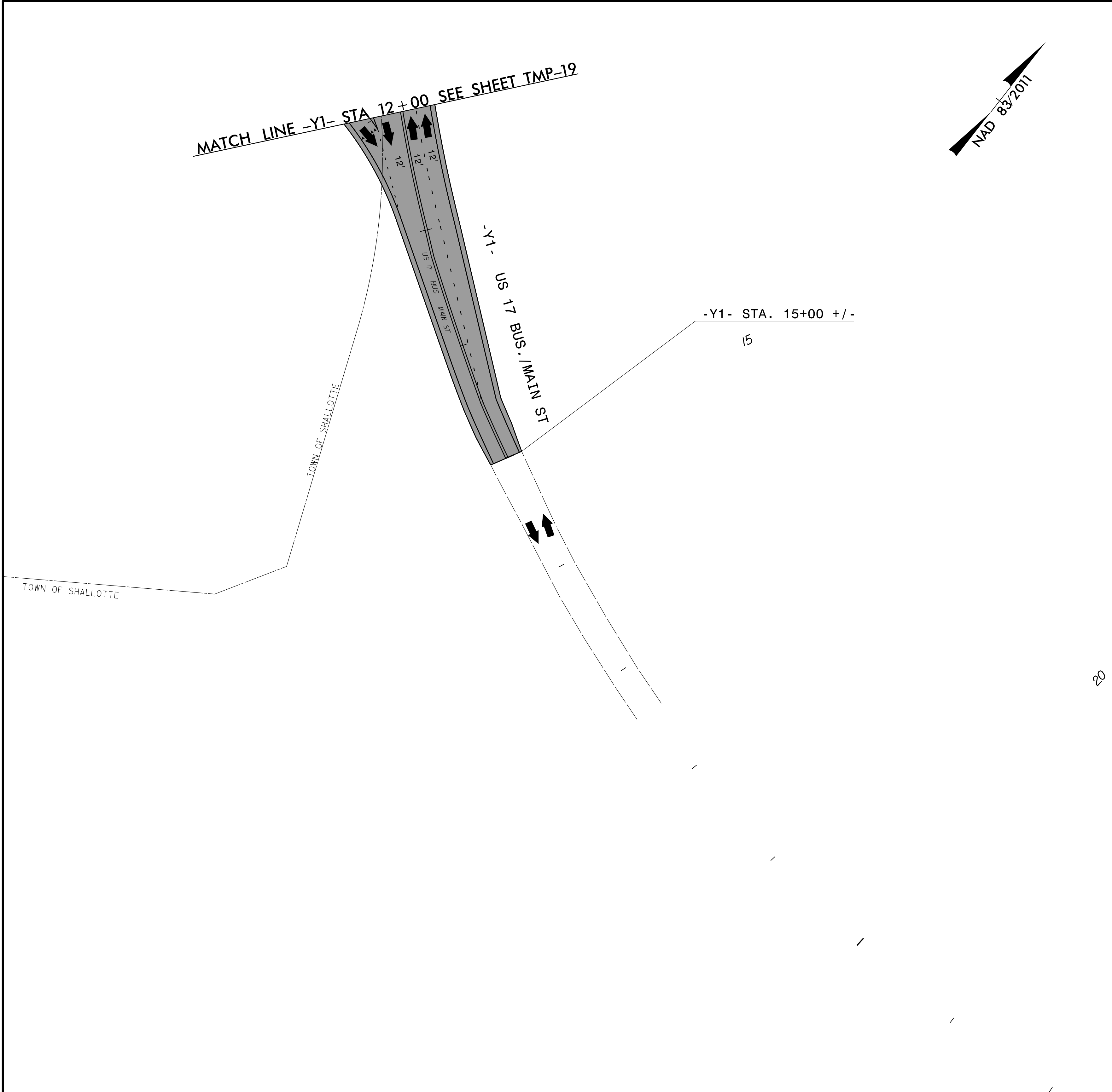
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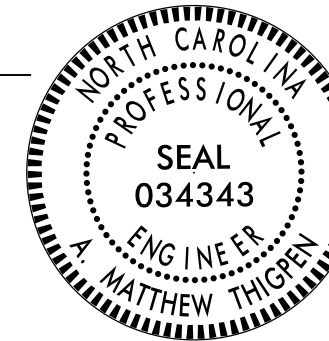
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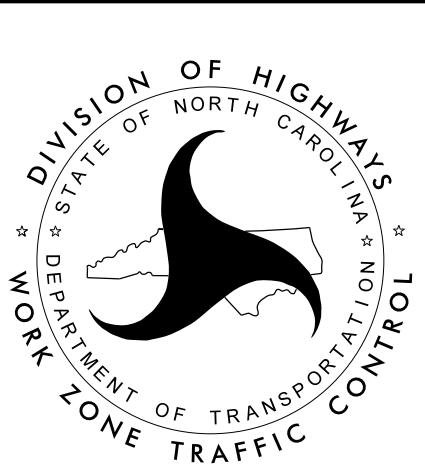
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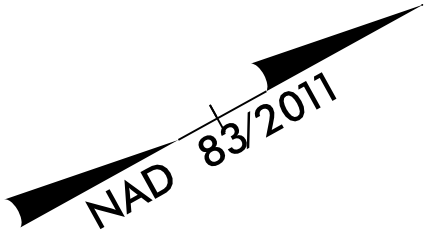


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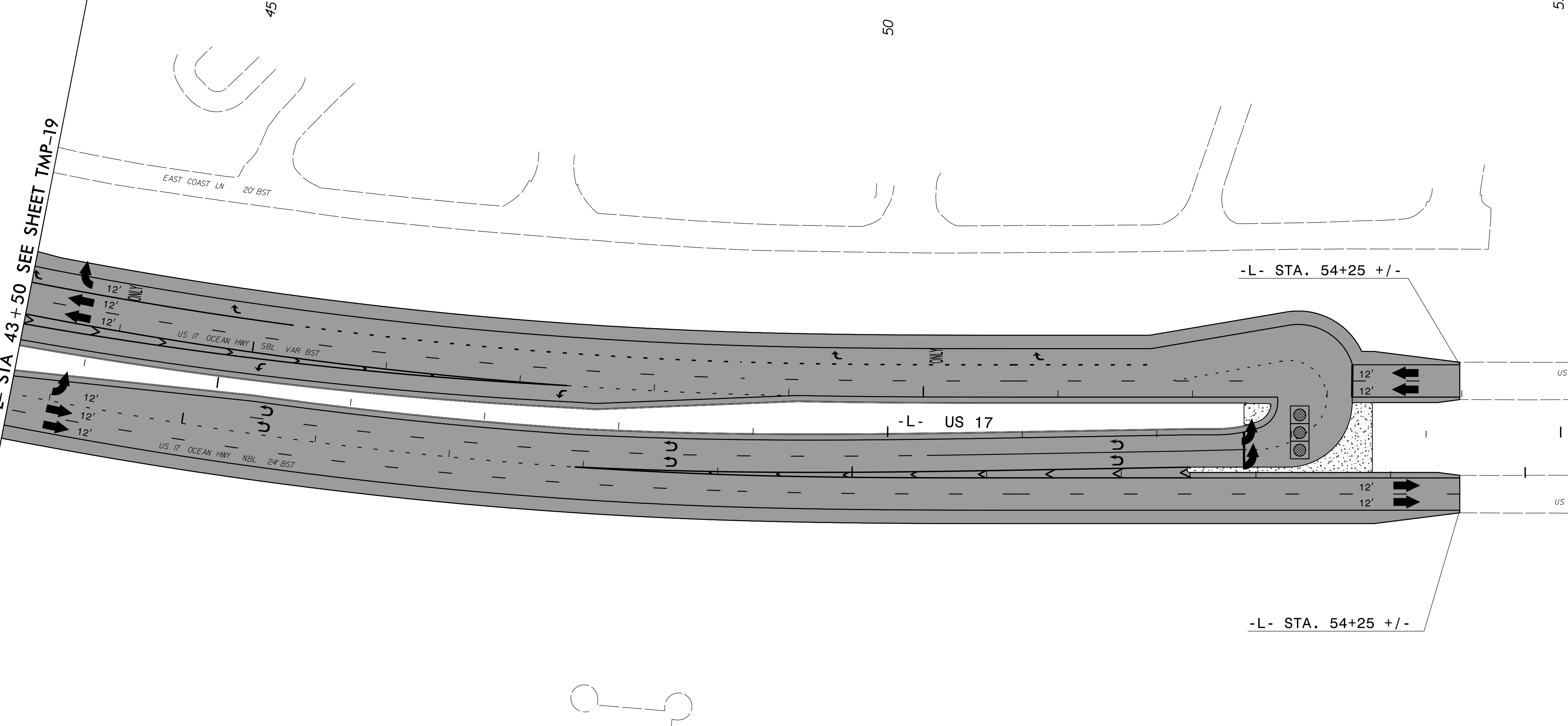
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MATCH LINE -L- STA 43+50 SEE SHEET TMP-19

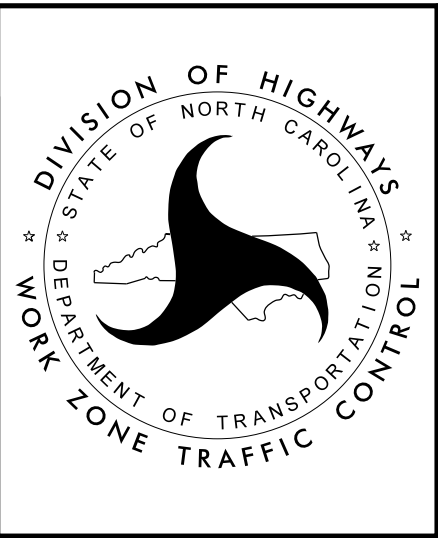


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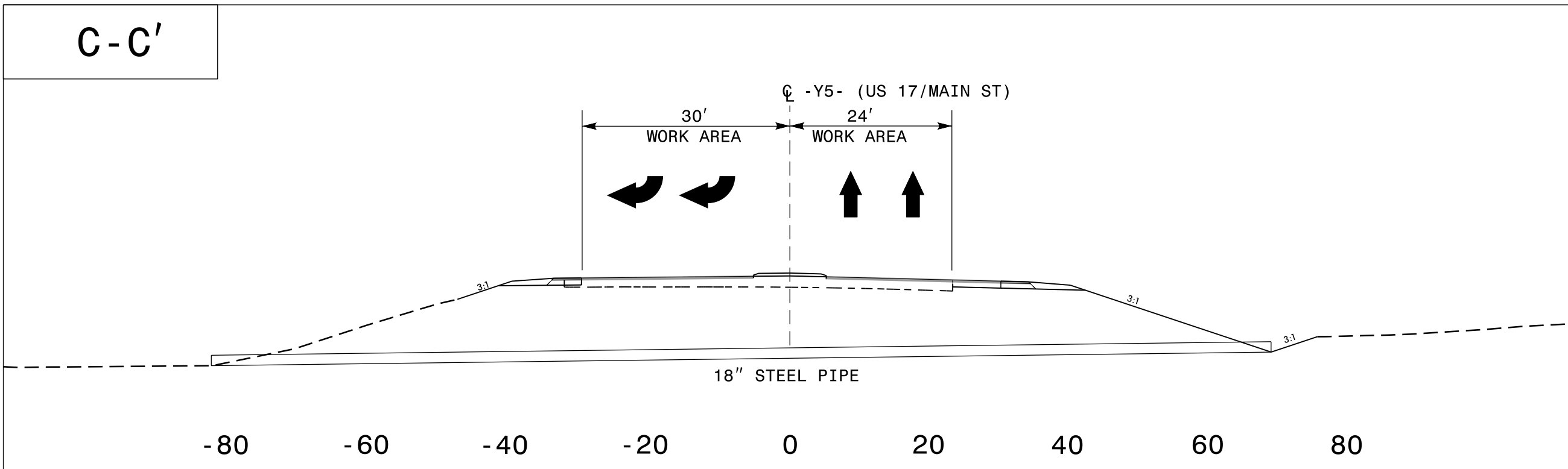
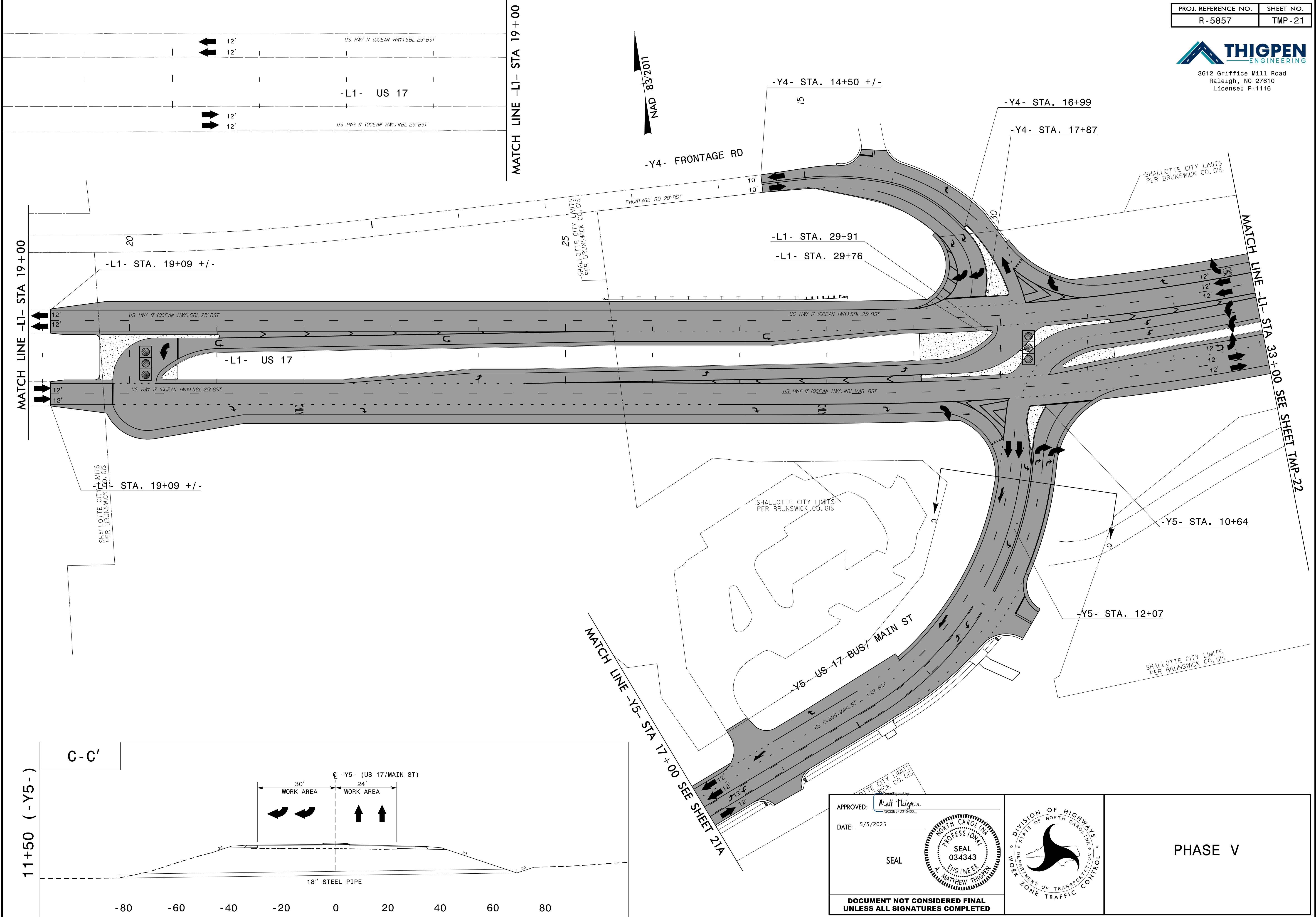
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PROJ. REFERENCE NO.	SHEET NO.
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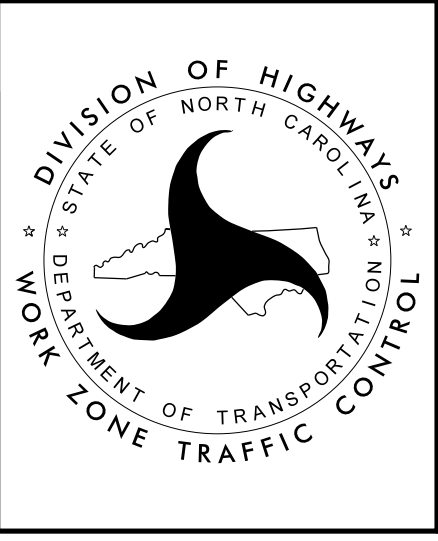
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034343
ENGINEER
MATTHEW THIGPEN

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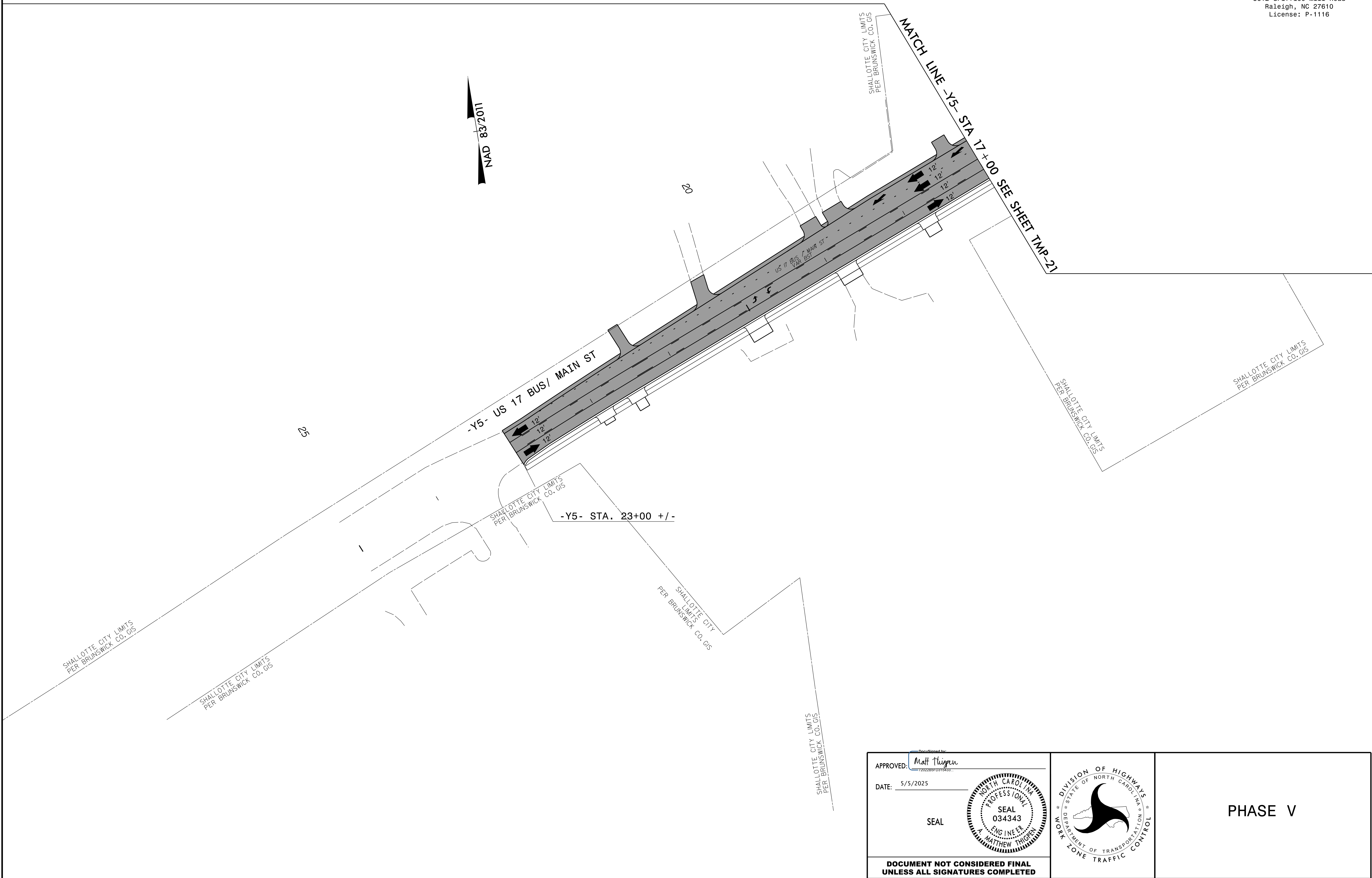
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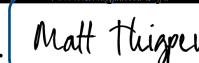
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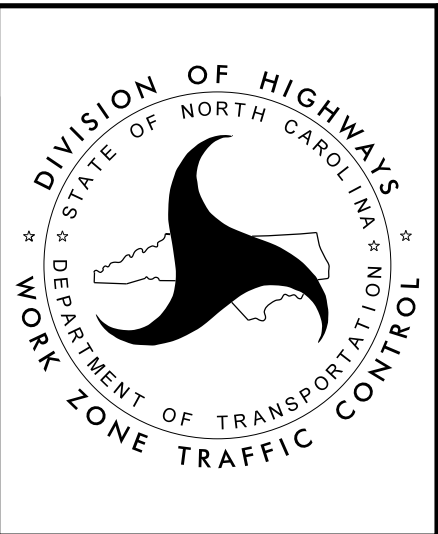
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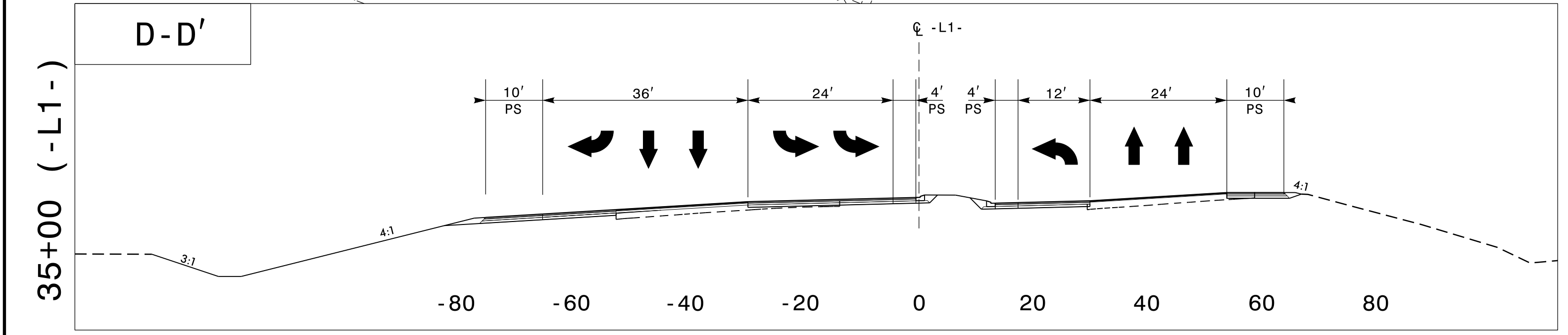
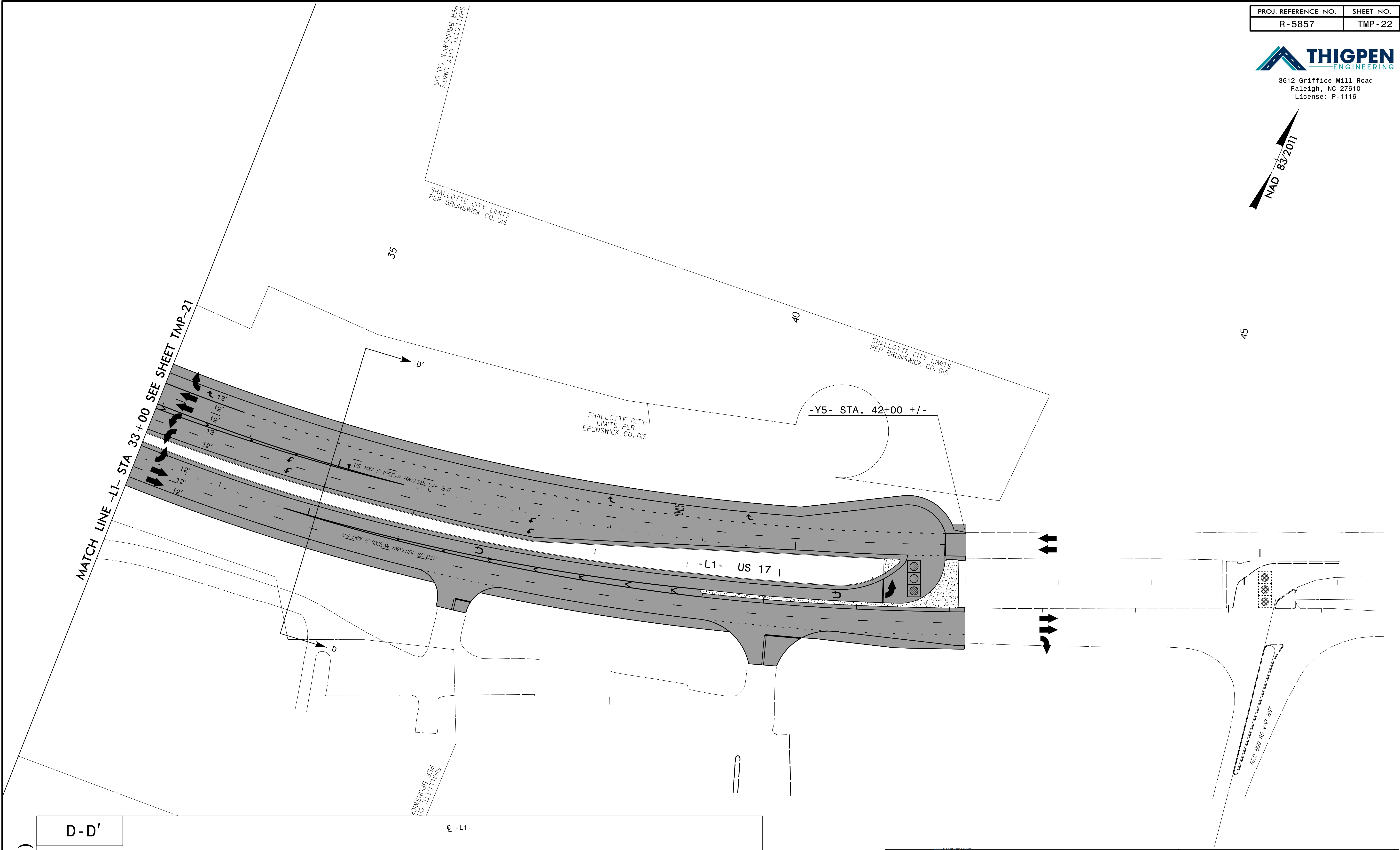
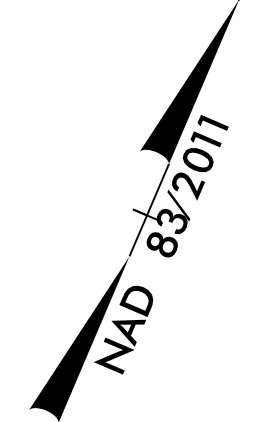
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PROJ. REFERENCE NO.	SHEET NO.
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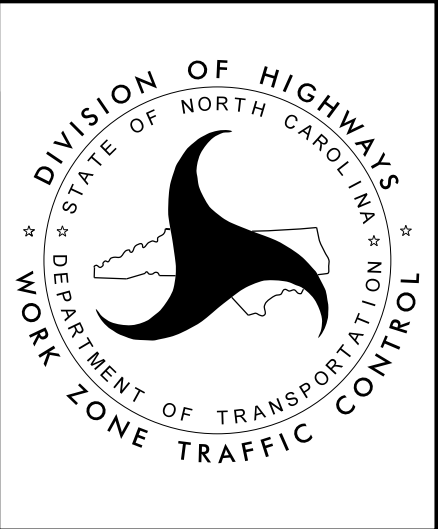


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