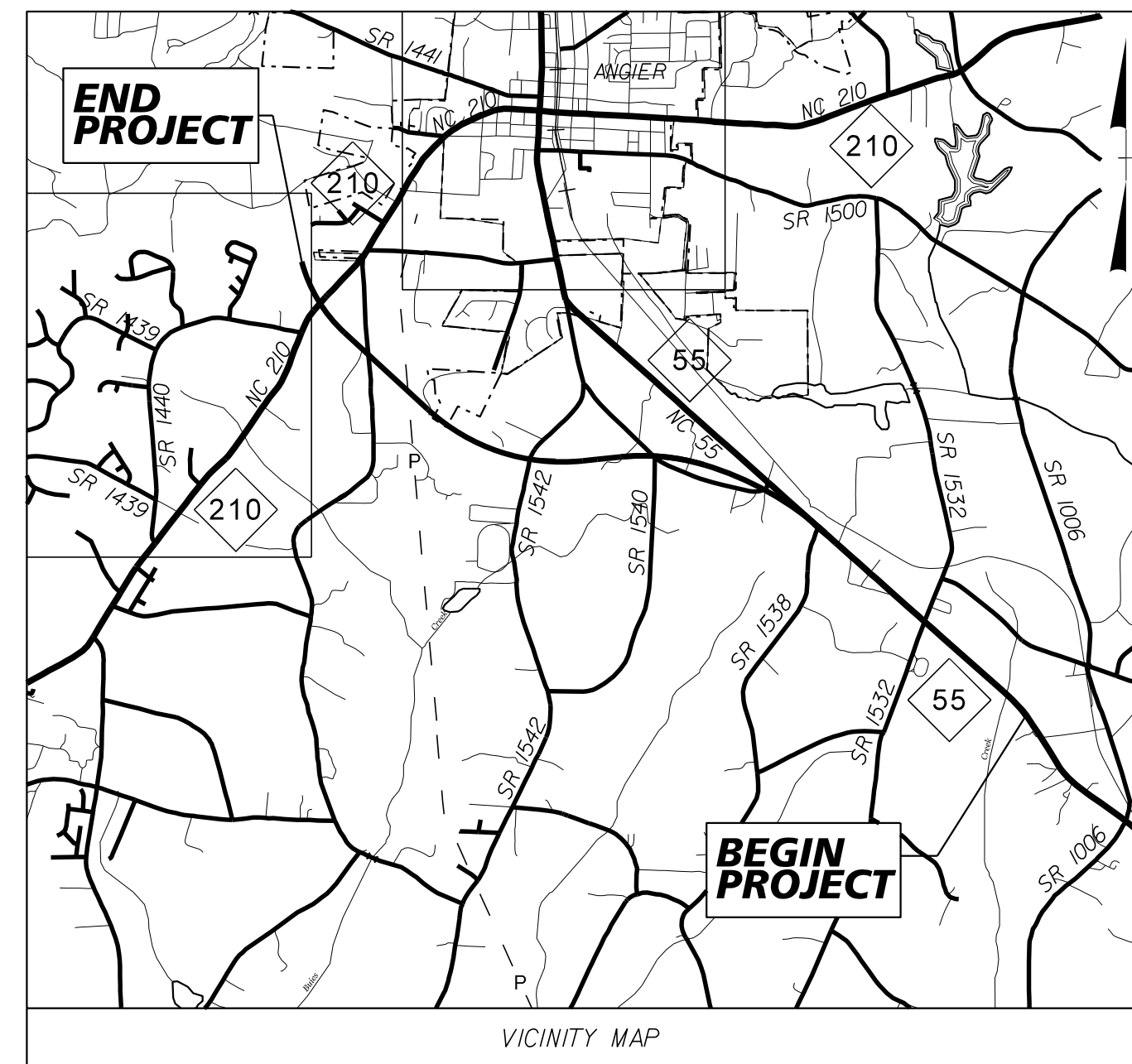
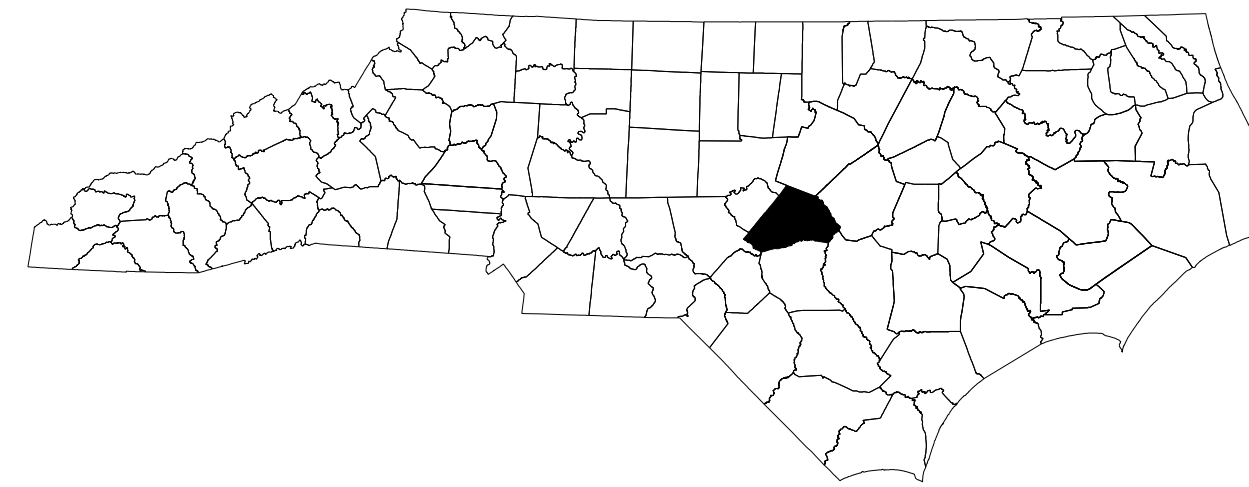


STATE OF NORTH CAROLINA
DIVISION OF HIGHWAYS

TRANSPORTATION MANAGEMENT PLAN

HARNETT COUNTY



LOCATION: NC 55 FROM JUST SOUTH OF SR 1532 (OAK GROVE CHURCH ROAD) TO NC 210

INDEX OF SHEETS

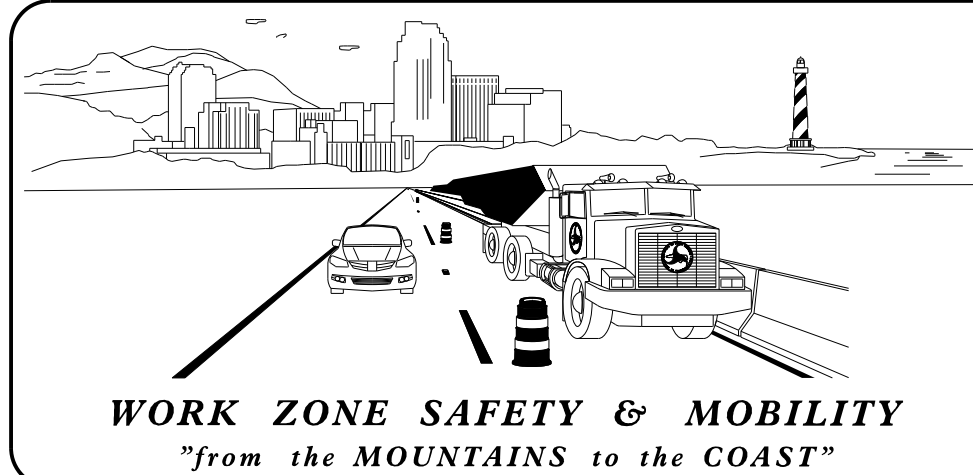
SHEET NO.	TITLE
TMP-01	TITLE SHEET AND INDEX OF SHEETS
TMP-01A	LIST OF APPLICABLE ROADWAY STANDARD DRAWINGS, AND LEGEND
TMP-01B & 01C	SIGN AND DEVICE LEGEND
TMP-01D & 01E	TRANSPORTATION OPERATIONS PLAN: (MANAGEMENT STRATEGIES & GENERAL NOTES)
TMP-02 THRU 02A	OFFSITE DETOURS
TMP-02B	SPECIAL SIGN DESIGNS
TMP-02C	PORTABLE CONCRETE BARRIER AT TEMPORARY SHORING LOCATIONS
TMP-02D	TEMPORARY SHORING DATA
TMP-03 & 03A	TEMPORARY TRAFFIC CONTROL PHASING
TMP-04 THRU 22	TEMPORARY TRAFFIC CONTROL PHASE I DETAIL
TMP-23 THRU 35	TEMPORARY TRAFFIC CONTROL PHASE II DETAIL
TMP-36 THRU 51	TEMPORARY TRAFFIC CONTROL PHASE III DETAIL
TMP-52 THRU 56	TEMPORARY TRAFFIC CONTROL PHASE IV DETAIL
TMP-57 THRU 72	TEMPORARY CUT SECTIONS

SHEET NO.
TMP-01

R-5705A

TIP PROJECT:

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PLANS PREPARED BY:

EDWARD G. WETHERILL, P.E.

D. ALLEN HAYES, E.I.

NCDOT CONTACTS:

KENNETH C THORNEWELL, P.E.
PROJECT ENGINEER

PROJECT DESIGN ENGINEER



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APPROVED: _____
DATE: 8/10/2023

SEAL

ROADWAY STANDARD DRAWINGS

THE FOLLOWING ROADWAY STANDARDS AS SHOWN IN "ROADWAY STANDARD DRAWINGS" - 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	WORK ZONE WARNING SIGNS
1101.02	TEMPORARY LANE CLOSURES
1101.03	TEMPORARY ROAD CLOSURES
1101.04	TEMPORARY SHOULDER CLOSURES
1101.05	WORK ZONE VEHICLE ACCESSES
1101.06	WARNING SIGNS FOR BLASTING ZONES
1101.11	TRAFFIC CONTROL DESIGN TABLES
1110.01	STATIONARY WORK ZONE SIGNS
1110.02	PORTABLE WORK ZONE SIGNS
1115.01	FLASHING ARROW BOARDS
1130.01	DRUMS
1135.01	CONES
1145.01	BARRICADES
1150.01	FLAGGING DEVICES
1160.01	TEMPORARY CRASH CUSHION
1165.01	TRUCK MOUNTED ATTENUATOR
1170.01	PORTABLE CONCRETE BARRIER
1180.01	SKINNY - DRUMS
1205.01	PAVEMENT MARKINGS - LINE TYPES AND OFFSETS
1205.02	PAVEMENT MARKINGS - TWO LANE AND MULTILANE ROADWAYS
1205.04	PAVEMENT MARKINGS - INTERSECTIONS
1205.05	PAVEMENT MARKINGS - TURN LANES
1205.06	PAVEMENT MARKINGS - LANE DROPS
1205.08	PAVEMENT MARKINGS - SYMBOLS AND WORD MESSAGES
1205.09	PAVEMENT MARKINGS - PAINTED ISLANDS
1250.01	RAISED PAVEMENT MARKERS - INSTALLATION SPACING
1251.01	RAISED PAVEMENT MARKERS - (PERMANENT AND TEMPORARY)

LEGEND

GENERAL

- DIRECTION OF TRAFFIC FLOW
- EXIST. PVMT.
- NORTH ARROW
- PROPOSED PVMT.
- TEMP. SHORING (LOCATION PURPOSES ONLY)
- WORK AREA
- REMOVAL
- BASE COURSE
- MODIFIED PAVEMENT (TEMPORARY PAVEMENT TO BE RETAINED FOR USE IN FINAL SCHEDULE)
- TEMPORARY PAVEMENT
- WEDGING

TRAFFIC CONTROL DEVICES

- BARRICADE (TYPE III)
- DRUM
- TEMPORARY CRASH CUSHION
- LAW ENFORCEMENT
- CHANGEABLE MESSAGE SIGN

TEMPORARY SIGNING

- STATIONARY SIGN

PAVEMENT MARKING SYMBOLS

- PAVEMENT MARKING SYMBOLS

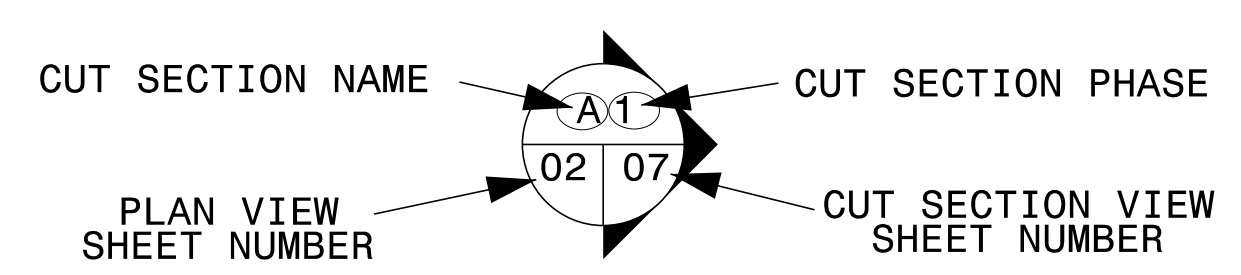
PAVEMENT MARKINGS

- EXISTING LINES
- TEMPORARY LINES

TEMPORARY PAVEMENT MARKING

SYMBOL	DESCRIPTION	PAY ITEM
P1	WHITE SOLID EDGE LINE	4" PAINT
P2	WHITE SOLID LANE LINE	4" PAINT
P4	3 FT. - 9 FT./SP WHITE MINISKIP	4" PAINT
P5	2 FT. - 6 FT./SP WHITE MINISKIP	4" PAINT
P10	YELLOW EDGE LINE OR SINGLE CENTER	4" PAINT
P11	YELLOW SINGLE CENTER	4" PAINT
P12	3 FT. - 9 FT./SP WHITE	4" PAINT
P13	YELLOW DOUBLE CENTER	4" PAINT
P14	2 FT. - 6 FT./SP YELLOW MINISKIP	4" PAINT
P40	WHITE GORELINE	8" PAINT
P52	YELLOW DIAGONAL	12" PAINT
P61	WHITE STOPBAR	24" PAINT
P70	LEFT TURN ARROW	PAINT PAVEMENT MARKING SYMBOLS
P71	RIGHT TURN ARROW	PAINT PAVEMENT MARKING SYMBOLS
P77	U-TURN ARROW	PAINT PAVEMENT MARKING SYMBOLS
	EXISTING PAVEMENT MARKING	

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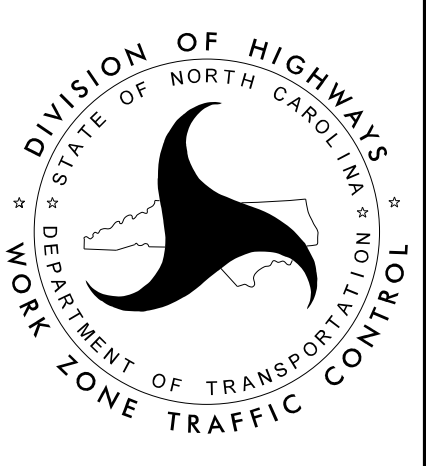
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X BARRICADES
-WITH MOUNTED SIGNING

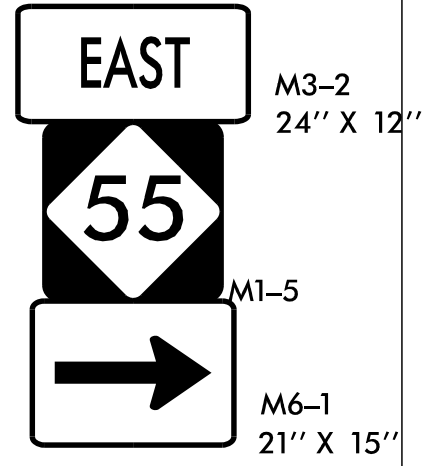
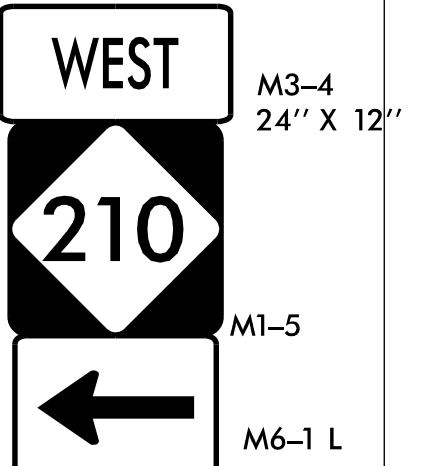
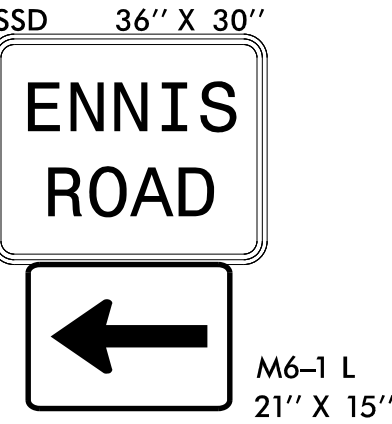

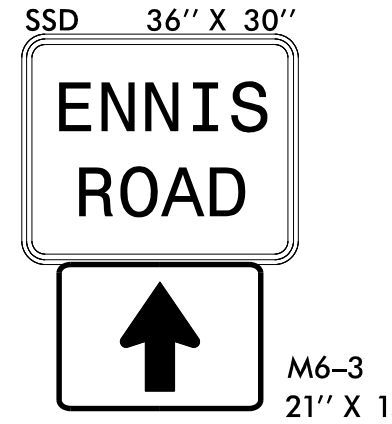
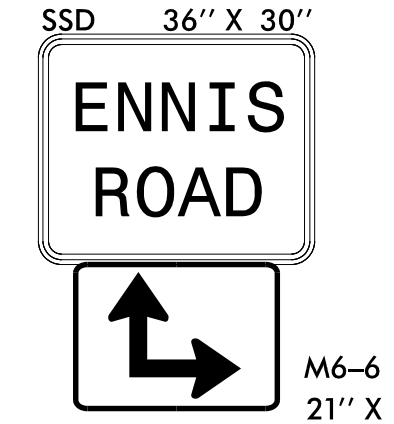
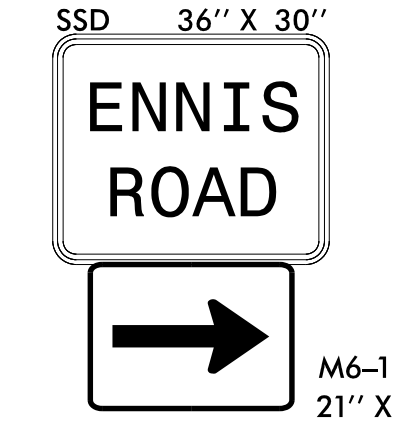
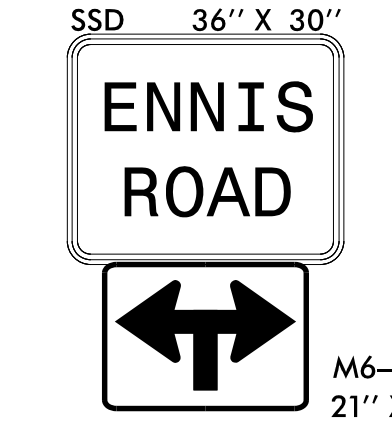
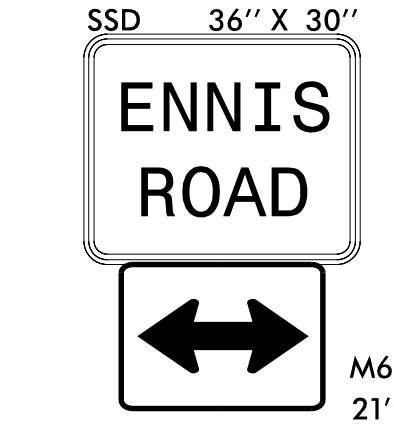


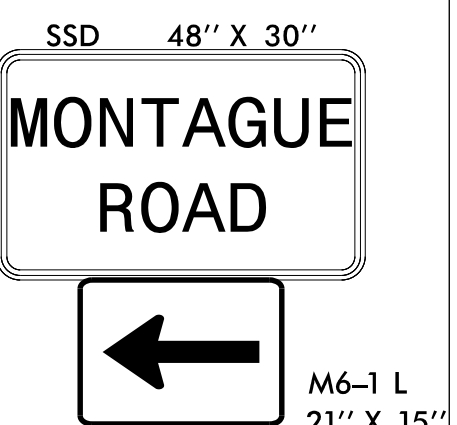
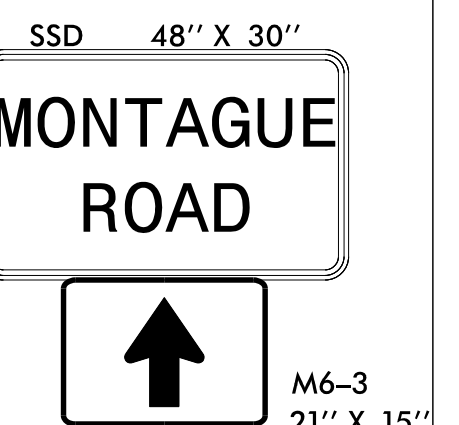
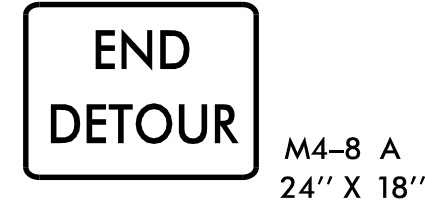
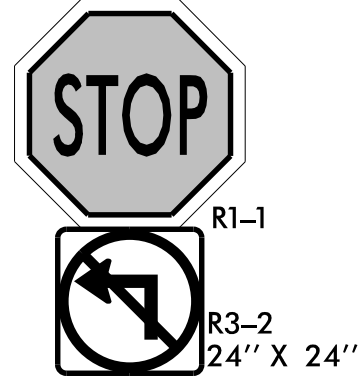

X SIGNING
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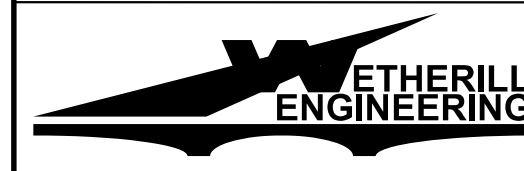
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SIGN AND DEVICE LEGEND

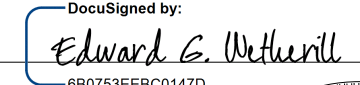
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 AI	 AJ	 AK	 AL	 AM	<table border="1"> <tr> <td>MESSAGE NO. 1</td> <td>MESSAGE NO. 2</td> </tr> <tr> <td>NEW TRAFFIC PATTERN</td> <td>REDUCE SPEED AHEAD</td> </tr> </table> CHANGEABLE MESSAGE SIGN 		MESSAGE NO. 1	MESSAGE NO. 2	NEW TRAFFIC PATTERN	REDUCE SPEED AHEAD			
MESSAGE NO. 1	MESSAGE NO. 2												
NEW TRAFFIC PATTERN	REDUCE SPEED AHEAD												

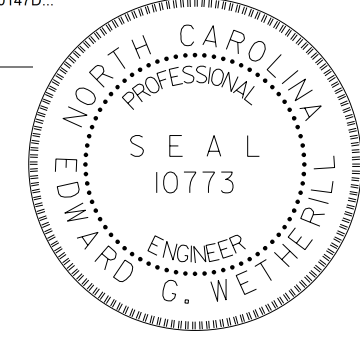
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TRANSPORTATION PLANNING/DESIGN - BRIDGE/STRUCTURE DESIGN
 CIVIL/SITE DESIGN - GIS/GPS - CONSTRUCTION OBSERVATION

APPROVED: 
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SIGN AND DEVICE LEGEND

MANAGEMENT STRATEGIES

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
- SHOULDER CLOSURES
- ONE-LANE, TWO WAY OPERATION (FLAGGING)
- WORK HOUR RESTRICTIONS FOR PEAK TRAVEL
- OFF-SITE DETOURS
- ON-SITE DETOURS

CORRIDOR / NETWORK MANAGEMENT STRATEGIES:

COORDINATION WITH ADJACENT CONSTRUCTION SITE(S)

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

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

TIME RESTRICTIONS

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

ROAD NAME	DAY AND TIME RESTRICTIONS
1. NC 55	6:00 A.M. - 8:30 A.M. 4:00 P.M. - 6:00 P.M. MONDAY - FRIDAY
2. NC 210	6:00 A.M. - 8:30 A.M. 4:00 P.M. - 6:00 P.M. MONDAY - FRIDAY

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

- ROAD NAME
- 1. NC 55
- 2. NC 210

HOLIDAY

- FOR ANY UNEXPECTED OCCURRENCE THAT CREATES UNUSUALLY HIGH TRAFFIC VOLUMES, AS DIRECTED BY THE ENGINEER.
- FOR NEW YEAR'S, BETWEEN THE HOURS OF 6:00 A.M. DECEMBER 31st TO 6:00 P.M. JANUARY 2ND. IF NEW YEAR'S DAY IS ON A FRIDAY, SATURDAY, SUNDAY, OR MONDAY THEN UNTIL 6:00 P.M. THE FOLLOWING TUESDAY.
- FOR EASTER, BETWEEN THE HOURS OF 6:00 A.M. THURSDAY AND 6:00 P.M. MONDAY.

- FOR MEMORIAL DAY, BETWEEN THE HOURS OF 6:00 A.M. FRIDAY TO 6:00 P.M. TUESDAY.
- FOR INDEPENDENCE DAY, BETWEEN THE HOURS OF 6:00 A.M. THE DAY BEFORE INDEPENDENCE DAY AND 6:00 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 6:00 P.M. THE TUESDAY AFTER INDEPENDENCE DAY.
- FOR LABOR DAY, BETWEEN THE HOURS OF 6:00 A.M. FRIDAY AND 6:00 P.M. TUESDAY.
- FOR THANKSGIVING DAY, BETWEEN THE HOURS OF 6:00 A.M. TUESDAY TO 6:00 P.M. MONDAY.
- FOR CHRISTMAS, BETWEEN THE HOURS OF 6:00 A.M. THE FRIDAY BEFORE THE WEEK OF CHRISTMAS DAY AND 6:00 P.M. THE FOLLOWING TUESDAY AFTER THE WEEK OF CHRISTMAS.

C) DO NOT STOP TRAFFIC AS FOLLOWS:

ROAD NAME	DAY AND TIME RESTRICTIONS	DURATION AND OPERATION
1. NC 55	6:00 A.M. - 8:30 A.M. 4:00 P.M. - 6:00 P.M. MONDAY - FRIDAY	15 MINUTE TRAFFIC OPERATIONS
2. NC 210	6:00 A.M. - 8:30 A.M. 4:00 P.M. - 6:00 P.M. MONDAY - FRIDAY	15 MINUTE TRAFFIC OPERATIONS

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

LANE AND SHOULDER CLOSURE REQUIREMENTS

- 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.
- 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.
- 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.

- 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.
- 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.
- DO NOT INSTALL MORE THAN 1 MILE OF LANE CLOSURE ON NC 55 MEASURED FROM THE BEGINNING OF THE MERGE TAPER TO THE END OF THE LANE CLOSURE.
- DO NOT INSTALL MORE THAN 2 SIMULTANEOUS LANE CLOSURES IN ANY ONE DIRECTION ON NC 55.
- PROVIDE A MINIMUM OF 3 MILES BETWEEN LANE CLOSURES, MEASURED FROM THE END OF ONE CLOSURE TO THE FIRST SIGN OF THE NEXT LANE CLOSURE.

PAVEMENT EDGE DROP OFF REQUIREMENTS

- 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.
- 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) 500 FT/MI IN ADVANCE AND A MINIMUM OF EVERY HALF MILE THROUGHOUT THE UNEVEN AREA.

TRAFFIC PATTERN ALTERATIONS

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

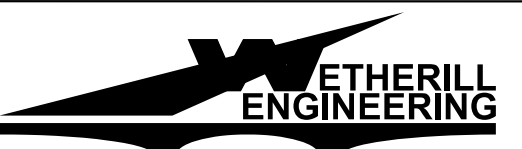
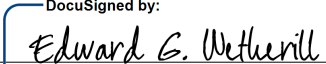
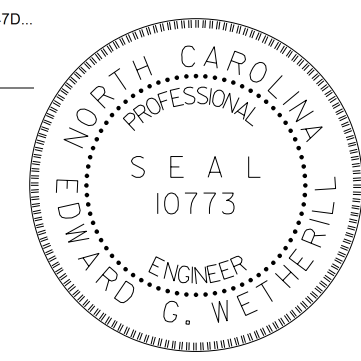

SIGNING

- 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.
- PROVIDE SIGNING AND DEVICES REQUIRED TO CLOSE THE ROAD ACCORDING TO THE ROADWAY STANDARD DRAWINGS AND TRAFFIC CONTROL PLANS.

AND

PROVIDE SIGNING REQUIRED FOR THE OFF-SITE DETOUR ROUTE AS SHOWN IN THE TRAFFIC CONTROL PLANS.

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	 <p>1223 Jones Franklin Rd. Raleigh, N.C. 27606 License No. F-0377 Bus: 919 851 8077 Fax: 919 851 8107</p> <p>TRANSPORTATION PLANNING/DESIGN - BRIDGE/STRUCTURE DESIGN CIVIL/SITE DESIGN - GIS/GPS - CONSTRUCTION OBSERVATION</p>	<p>APPROVED:  DATE: 8/10/2023</p>  <p>DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED</p>		<p>TRANSPORTATION OPERATIONS PLAN: (MANAGEMENT STRATEGIES AND GENERAL NOTES)</p>
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GENERAL NOTES

R) COVER OR REMOVE ALL SIGNS AND DEVICES REQUIRED TO CLOSE THE ROAD WHEN ROAD CLOSURE IS NOT IN OPERATION.

AND

COVER OR REMOVE ALL SIGNS REQUIRED FOR THE OFF-SITE DETOUR WHEN THE DETOUR IS NOT IN OPERATION.

S) ENSURE ALL NECESSARY SIGNING IS IN PLACE PRIOR TO ALTERING ANY TRAFFIC PATTERN.

T) INSTALL BLACK ON ORANGE "DIP" SIGNS (W8-2) AND/OR "BUMP" SIGNS (W8-1) 500 FT/MI IN ADVANCE OF THE UNEVEN AREA, OR AS DIRECTED BY THE ENGINEER.

TRAFFIC BARRIER

U) 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.

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.

V) 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

W) 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.

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

Y) PLACE ADDITIONAL SETS OF THREE CHANNELIZING DEVICES PERPENDICULAR TO THE EDGE OF TRAVELWAY ON 500 FT CENTERS WHEN UNOPENED LANES ARE CLOSED TO TRAFFIC.

PAVEMENT MARKINGS AND MARKERS

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

ROAD NAME	MARKING	MARKER
1. ALL ROADS	PAINT	TEMPORARY RAISED PAVEMENT MARKERS

AA) 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.

BB) TIE PROPOSED PAVEMENT MARKING LINES TO EXISTING PAVEMENT MARKING LINES.

CC) REMOVE/REPLACE ANY CONFLICTING/DAMAGED PAVEMENT MARKINGS AND MARKERS BY THE END OF EACH DAY'S OPERATION.

DD) TRACE THE EXISTING/PROPOSED/EXISTING AND PROPOSED MONOLITHIC ISLAND LOCATIONS WITH PROPER COLOR PAVEMENT MARKINGS PRIOR TO REMOVAL/INSTALLATION/REMOVAL AND INSTALLATION. PLACE DRUMS TO DELINEATE ANY EXISTING/PROPOSED/EXISTING AND PROPOSED MONOLITHIC ISLANDS AFTER REMOVAL/BEFORE INSTALLATION/AFTER REMOVAL AND BEFORE INSTALLATION.

MISCELLANEOUS

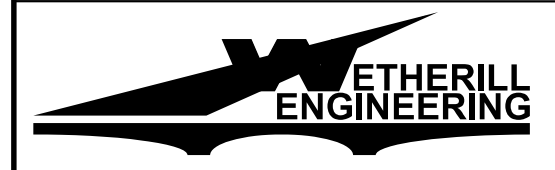
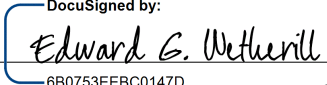
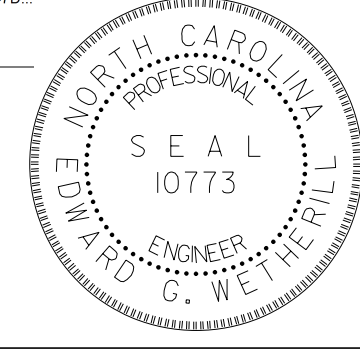

EE) LAW ENFORCEMENT MAY BE USED TO MAINTAIN TRAFFIC THROUGH THE WORK AREA AND/OR INTERSECTIONS AS DIRECTED BY THE ENGINEER.

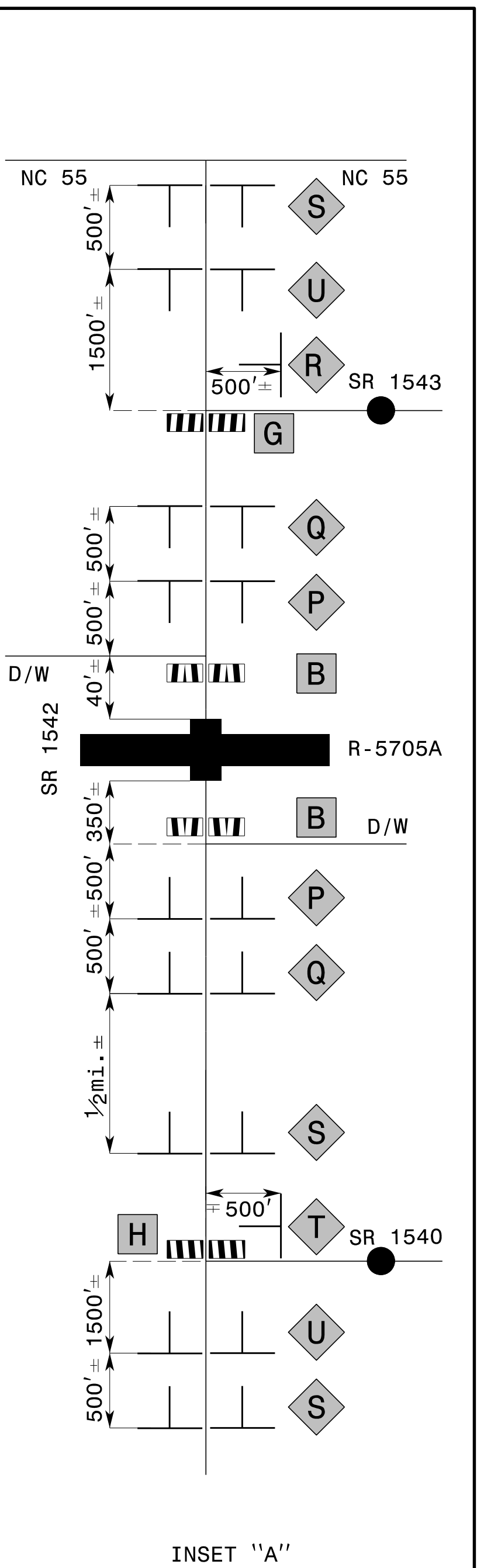
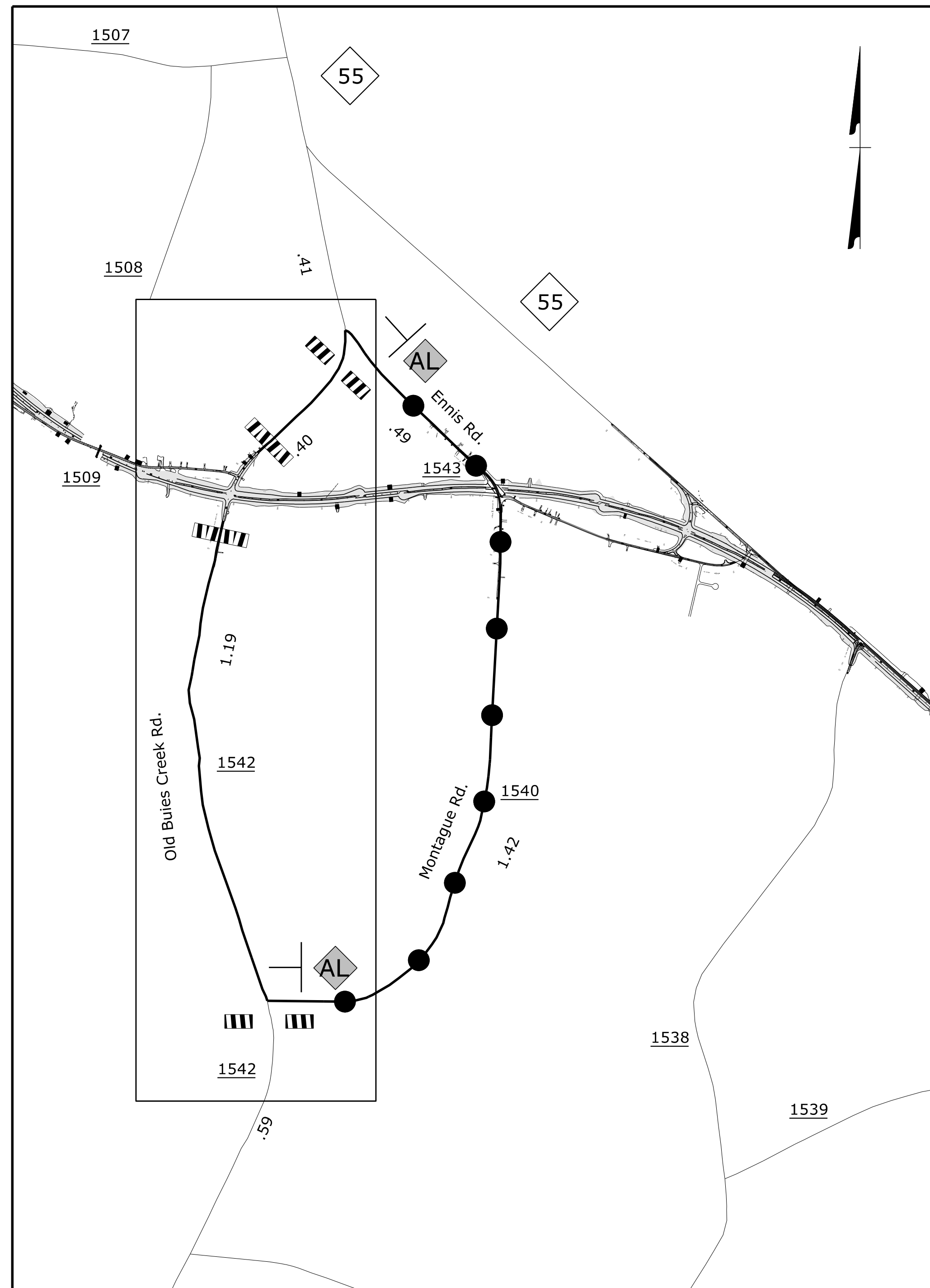
FF) IN THE EVENT A TIE-IN CANNOT BE MADE IN ONE DAY'S TIME, BRING THE TIE-IN AREA TO AN APPROPRIATE ROADWAY ELEVATION AS DETERMINED BY THE ENGINEER. PLACE BLACK ON ORANGE "LOOSE GRAVEL" SIGNS (W8-7) AND BLACK ON ORANGE "PAVEMENT ENDS" SIGNS (W8-3) 500 FT AND 500 FT RESPECTIVELY IN ADVANCE OF THE UNEVEN AREAS. USE DRUMS TO DELINEATE THE EDGE OF ROADWAY ALONG UNPAVED AREAS.

GG) ALL STATIONS ARE CONSIDERED +/- UNLESS OTHERWISE SHOWN ON THE PLANS.

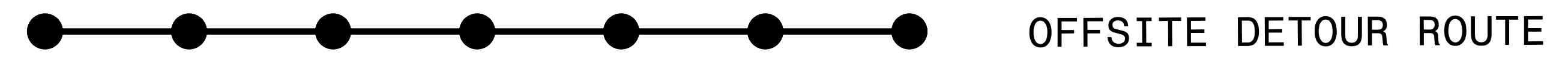
HH) MAINTAIN ACCESS TO ALL ROADS AND DRIVEWAYS PER THE DISCRETION OF THE ENGINEER. USE COMPACTED ABC OR OTHER SUITABLE MATERIAL AS APPROVED BY THE ENGINEER.

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 <p style="font-size: small;">1223 Jones Franklin Rd. Raleigh, N.C. 27606 License No. F-0377 Bus: 919 851 8077 Fax: 919 851 8107</p> <p style="font-size: x-small; text-align: center;">TRANSPORTATION PLANNING/DESIGN - BRIDGE/STRUCTURE DESIGN CIVIL/SITE DESIGN - GIS/GPS - CONSTRUCTION OBSERVATION</p>	<p>APPROVED: </p> <p>DATE: 8/10/2023</p>			<p>TRANSPORTATION OPERATIONS PLAN: (MANAGEMENT STRATEGIES AND GENERAL NOTES)</p>
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INSET "A"
 REFER TO ROADWAY STANDARD
 DRAWING 1101.03, SHEET 1 OF 9
 FOR APPLICABLE NOTES.

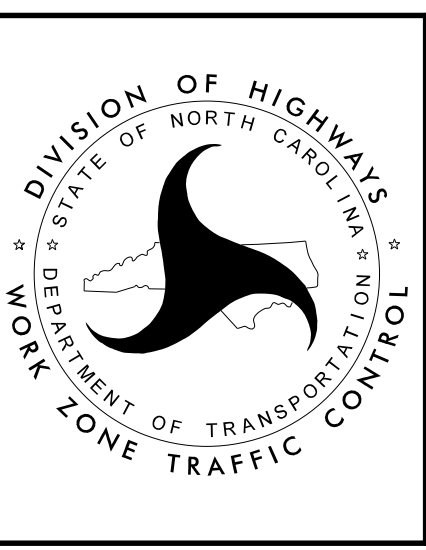


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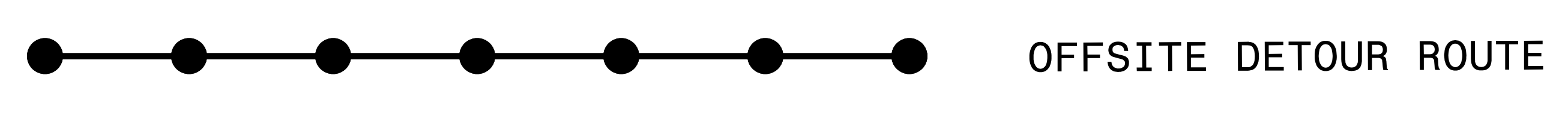
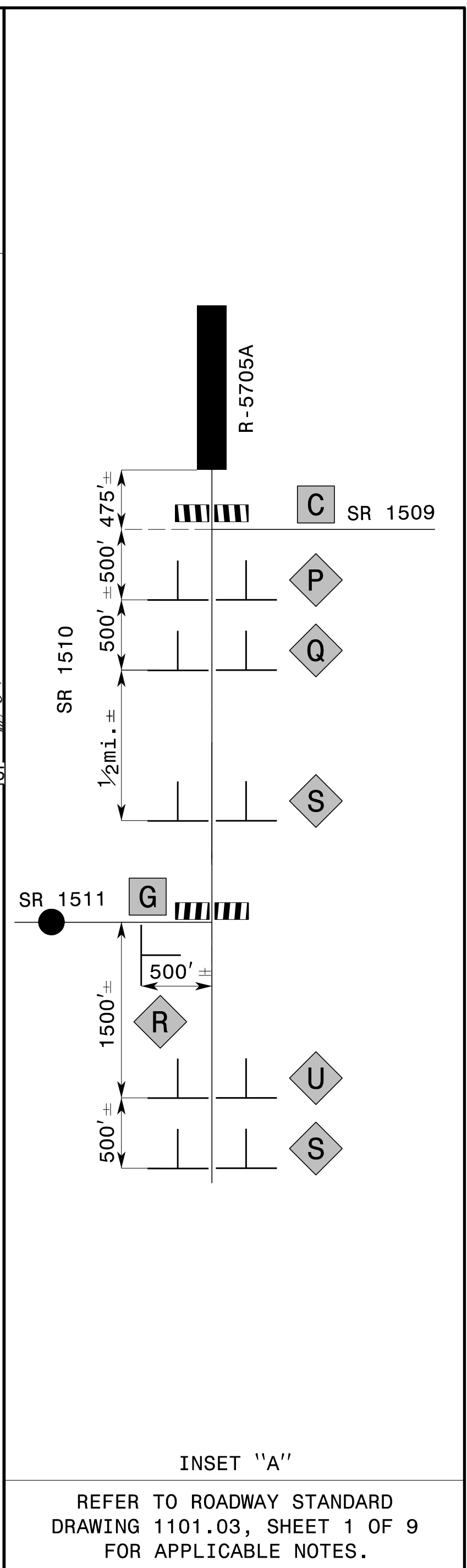
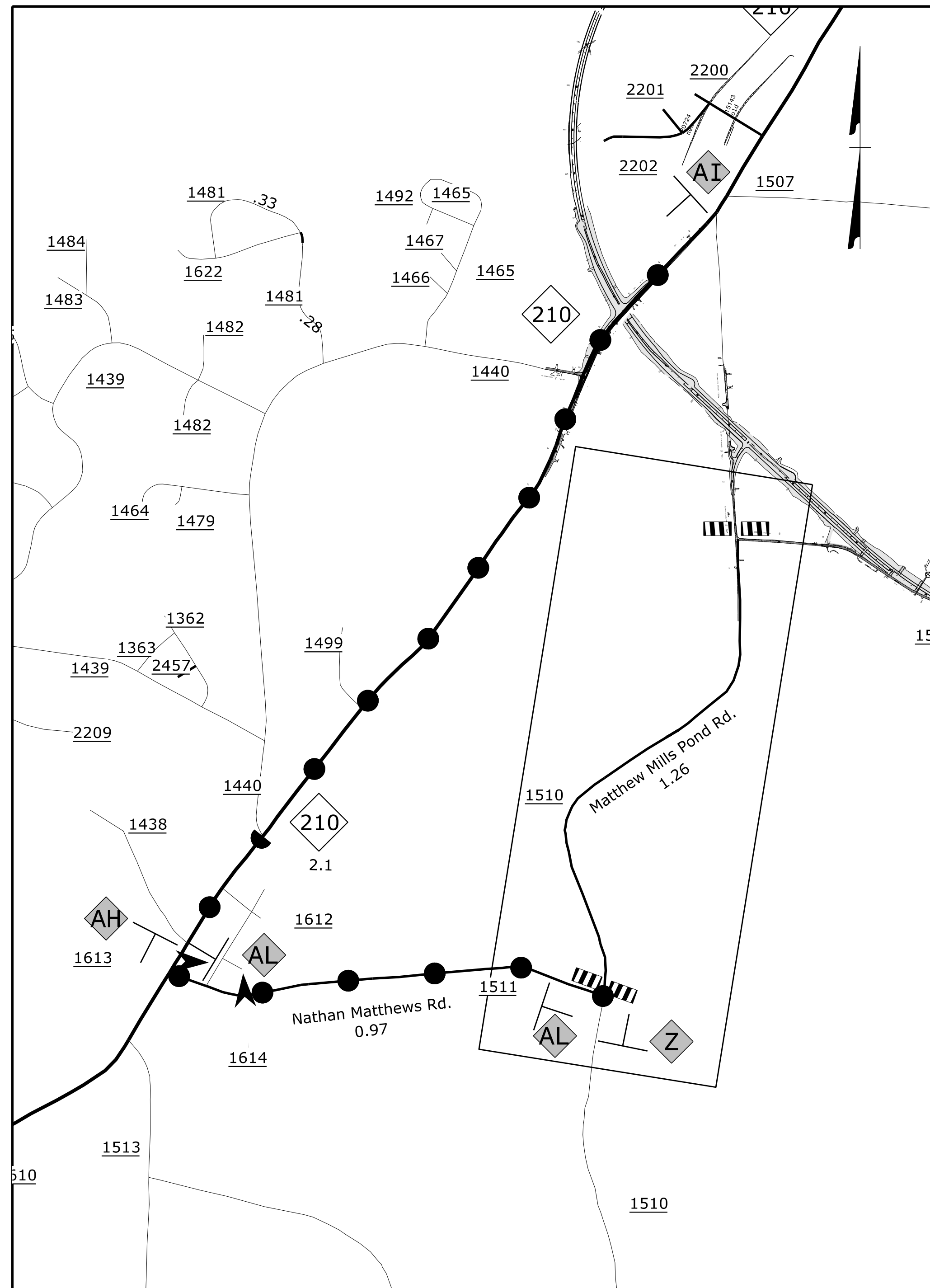
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APPROVED: *Edward G. Wettrill*
DocuSigned by:
Edward G. Wettrill
880753EEBC0147D
 DATE: 8/10/2023

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OFFSITE DETOUR (-Y6-)



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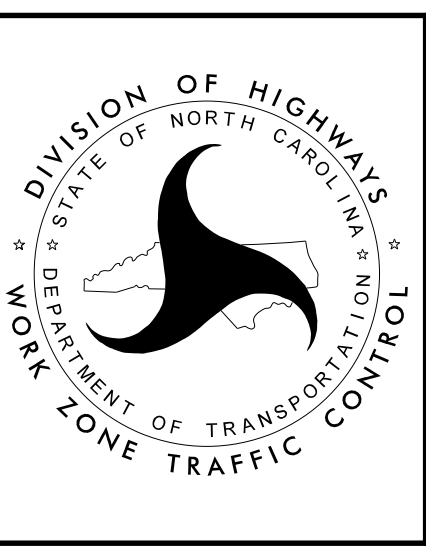
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TRANSPORTATION PLANNING/DESIGN - BRIDGE/STRUCTURE DESIGN
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APPROVED: *Edward G. Wetherill*
660733EEBC0147D

DATE: 8/10/2023

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OFFSITE DETOUR (-Y7D-)

SIGN NUMBER: name TYPE: D QUANTITY: 1 SIGN WIDTH: 4'-0" HEIGHT: 2'-6" TOTAL AREA: 10.0 Sq.Ft. BORDER TYPE: FLUSH RECESS: 0.38" WIDTH: 0.63" RADII: 1.5" NO. Z BARS: 2 LENGTH: 34.0	BACKG COLOR: Orange COPY COLOR: Black SYMBOL X Y WID HT MAT'L: 0.063" (1.6 mm) ALUMINUM 0.080" (2.0 mm) ALUMINUM 0.125" (3.2 mm) ALUMINUM	DESIGN BY: DAH PROJECT ID: R-5705A CHECKED BY: WEI LOCATION: OFFSITE DETOUR Sep 21, 2021 DIV: 6
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Letter locations are panel edge to lower left corner										Series/Size
M	O	N	T	A	G	U	E			Text Length
6.8	12	16.7	20.9	24.3	28.9	33.5	38.1			C 2000
										34.4
										C 2000
										16.6

FILENAME: R-5705A_TMP_TO_02A SSD NORTH CAROLINA D.O.T. SIGN DETAIL

SIGN NUMBER: name TYPE: D QUANTITY: 1 SIGN WIDTH: 3'-0" HEIGHT: 2'-6" TOTAL AREA: 7.5 Sq.Ft. BORDER TYPE: FLUSH RECESS: 0.38" WIDTH: 0.63" RADII: 1.5" NO. Z BARS: 2 LENGTH: 34.0	BACKG COLOR: Orange COPY COLOR: Black SYMBOL X Y WID HT MAT'L: 0.063" (1.6 mm) ALUMINUM 0.080" (2.0 mm) ALUMINUM 0.125" (3.2 mm) ALUMINUM	DESIGN BY: DAH PROJECT ID: R-5705A CHECKED BY: WEI LOCATION: OFFSITE DETOUR Sep 21, 2021 DIV: 6
--	--	--

Letter locations are panel edge to lower left corner										Series/Size
E	N	N	I	S						Text Length
8.7	12.8	17.4	22.1	24						C 2000
										18.7
										C 2000
										16.6

FILENAME: R-5705A_TMP_TO_02A SSD NORTH CAROLINA D.O.T. SIGN DETAIL

SIGN NUMBER: name TYPE: STATIONARY QUANTITY: SEE PLANS SIGN WIDTH: 3'-6" HEIGHT: 4'-0" TOTAL AREA: 14.0 Sq.Ft. BORDER TYPE: INSET RECESS: 0.38" WIDTH: 0.63" RADII: 1.5" NO. Z BARS: 2 LENGTH: 34.0	BACKG COLOR: Fluorescent Orange COPY COLOR: Black SYMBOL X Y WID HT MAT'L: 0.080" (2.0 mm) ALUMINUM	DESIGN BY: DAH PROJECT ID: R-5705A CHECKED BY: WEI LOCATION: OFFSITE DETOUR Jul 13, 2022 DIV: 6
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Letter locations are panel edge to lower left corner										Series/Size
M	A	T	T	H	E	W				Text Length
6.4	11.2	15.4	18.8	22.7	27.4	31				C 2000
										29.2
										C 2000
										18.3
										C 2000
										17.2
										C 2000
										16.6

FILENAME: R-5705A_TMP_TO_02A SSD NORTH CAROLINA D.O.T. SIGN DETAIL

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SPECIAL SIGN DESIGNS

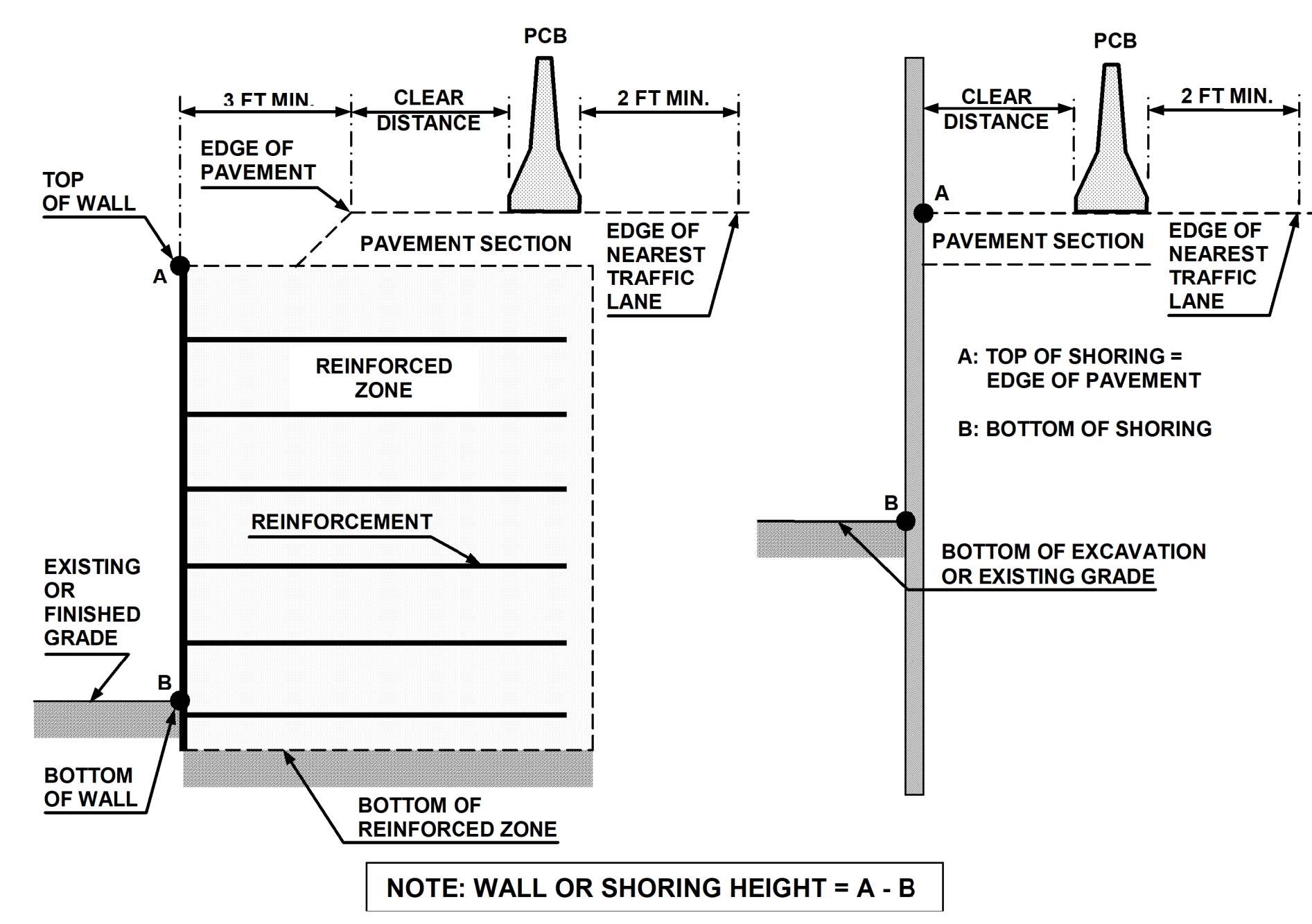


FIGURE A

NOTES

- 1- REFER TO THE TRAFFIC CONTROL PLANS FOR TEMPORARY SHORING LOCATIONS AND NOTES.
- 2- REFER TO THE "TEMPORARY SHORING" PROJECT SPECIAL PROVISION FOR INFORMATION ABOUT TEMPORARY SHORING AND PORTABLE CONCRETE BARRIER (PCB).
- 3- PCB IS REQUIRED IF TEMPORARY SHORING IS LOCATED WITHIN THE CLEAR ZONE IN ACCORDANCE WITH THE AASHTO ROADSIDE DESIGN GUIDE. DO NOT PLACE BARRIER DIRECTLY ON ANY SURFACE OTHER THAN ASPHALT OR CONCRETE. (CONTACT NCDOT PAVEMENT MANAGEMENT UNIT FOR APPLICABLE PAVEMENT DESIGN).
- 4- BASED ON THE CLEAR DISTANCE, OFFSET, DESIGN SPEED AND PAVEMENT TYPE, CHOOSE AN UNANCHORED OR ANCHORED PCB FROM THE TABLE SHOWN IN FIGURE B. CLEAR DISTANCE IS DEFINED AS SHOWN IN FIGURE A AND OFFSET IS DEFINED AS SHOWN IN FIGURE B.
- 5- AT THE CONTRACTOR'S OPTION OR IF THE MINIMUM REQUIRED CLEAR DISTANCE IS NOT AVAILABLE, SET PCB NEXT TO AND UP AGAINST THE TRAFFIC SIDE OF THE TEMPORARY SHORING EXCEPT FOR BARRIER ABOVE TEMPORARY WALLS. PCB WITH THE MINIMUM REQUIRED CLEAR DISTANCE IS REQUIRED ABOVE TEMPORARY WALLS.
- 6- USE NCDOT PORTABLE CONCRETE BARRIER (PCB) IN ACCORDANCE WITH ROADWAY STANDARD DRAWING NO. 1170.01 AND SECTION 1170 OF THE STANDARD SPECIFICATIONS.
- 7- PCB REQUIREMENTS FOR TEMPORARY WALLS APPLY TO TEMPORARY MECHANICALLY STABILIZED EARTH (MSE) WALLS AND TEMPORARY SOIL NAIL WALLS.
- 8- SET PCB WITH A MINIMUM HORIZONTAL DISTANCE OF 2 FT BETWEEN THE FRONT FACE OF THE BARRIER AND THE EDGE OF THE NEAREST TRAFFIC LANE AS SHOWN IN FIGURE A UNLESS OTHERWISE SHOWN IN THE PLANS AND OR AS APPROVED BY THE ENGINEER.
- 9- FOR PCB ABOVE AND BEHIND TEMPORARY WALLS, PROVIDE A MINIMUM DISTANCE OF 3 FT BETWEEN THE EDGE OF PAVEMENT AND THE WALL FACE AS SHOWN IN FIGURE A. IF THESE MINIMUM REQUIRED DISTANCES ARE NOT AVAILABLE, CONTACT THE ENGINEER.
- 10- TABLE SHOWN IN FIGURE B IS BASED ON NCDOT RESEARCH PROJECT NO. 2005-010 WITH VEHICLE TYPE USED FOR NCHRP 350 CRASH TESTS. BARRIER DEFLECTIONS AND RESULTING MINIMUM REQUIRED CLEAR DISTANCES MIGHT VARY SIGNIFICANTLY FOR LARGER HEAVIER VEHICLES, RUNS OF BARRIER LESS THAN 200 FT IN LENGTH AND WET OR DRY PAVEMENT.

MINIMUM REQUIRED CLEAR DISTANCE, inches

Barrier Type	Pavement Type	Offset * ft	Design Speed, mph					
			<30	31-40	41-50	51-60	61-70	71-80
Unanchored PCB	Asphalt	<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
		26-32	29	32	36	39	42	45
		32-38	30	34	38	41	43	46
		38-44	31	34	41	43	45	48
		44-50	31	35	41	43	46	49
		50-56	32	36	42	44	47	50
	>56	32	36	42	45	47	51	
	Concrete	<8	17	18	21	22	25	26
		8-14	19	20	23	25	26	29
		14-20	22	22	24	26	28	31
		20-26	23	24	26	27	30	34
		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 for All Design Speeds					
Anchored PCB	Concrete (including bridge approach slabs)	All Offsets	12 for All Design Speeds					

* See Figure Below

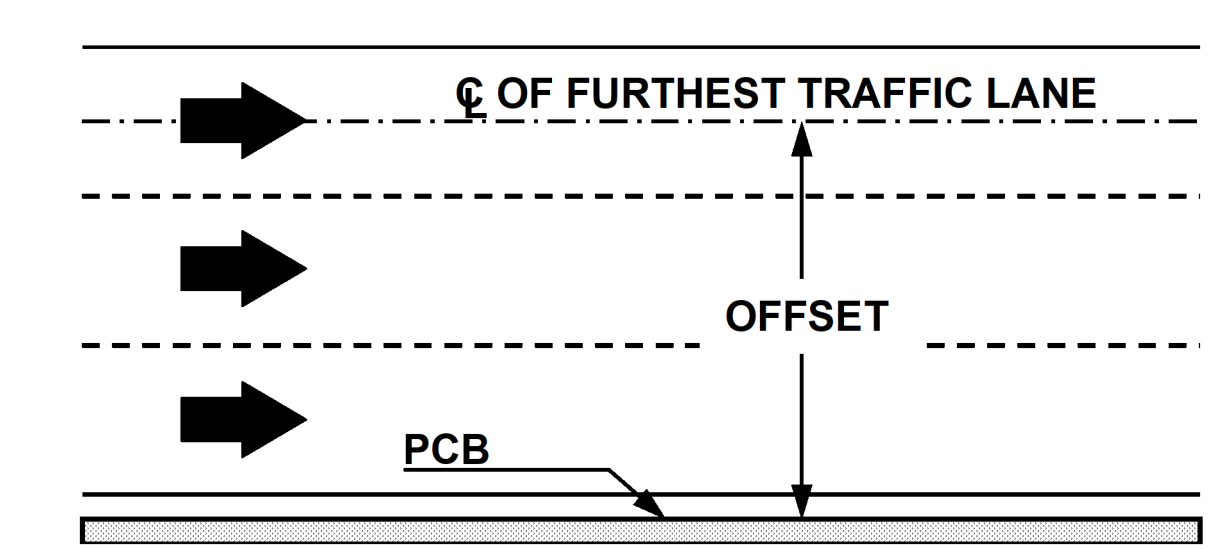
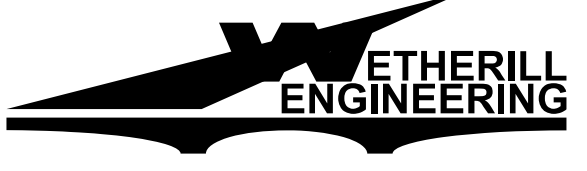



FIGURE B

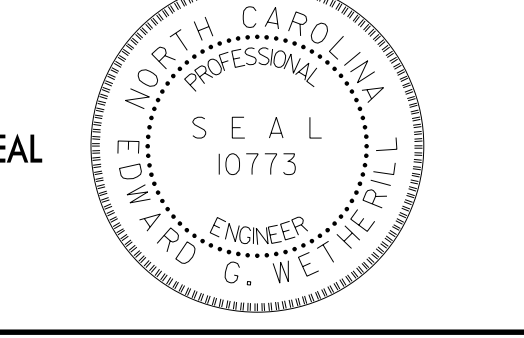


**WETHERILL
ENGINEERING**

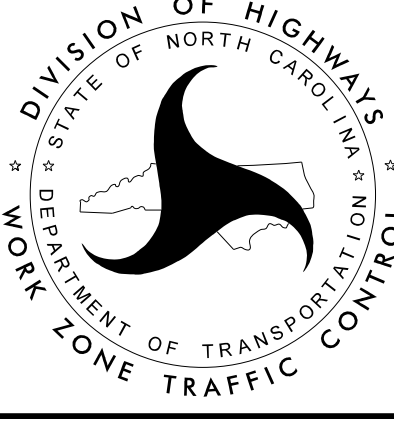
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TRANSPORTATION PLANNING/DESIGN - BRIDGE/STRUCTURE DESIGN
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APPROVED:  DATE: 8/10/2023



SEAL



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

**PORTABLE CONCRETE BARRIER
AT
TEMPORARY SHORING LOCATIONS**

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PROJ. REFERENCE NO.	SHEET NO.
R-5705A	TMP-02D

Shoring Location No. ①

FOR TEMPORARY SHORING AND POSITIVE PROTECTION FOR TEMPORARY SHORING, SEE PLANS AND TEMPORARY SHORING PROVISION.

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

DESIGN TEMPORARY SHORING FROM STATION -L- 24+07±, 0.8 FT LT, TO STATION -L- 24+82±, 2.5 FT LT., FOR THE FOLLOWING ASSUMED SOIL PARAMETERS AND GROUNDWATER ELEVATION:

UNIT WEIGHT (γ)= 120 PCF
 FRICTION ANGLE (ϕ)= 30 DEGREES
 COHESION (c) = 0 PSF
 GROUNDWATER ELEVATION = 252 FT ±

DO NOT USE A TEMPORARY WALL FOR TEMPORARY SHORING FROM STATION -L- 24+07±, 0.8 FT LT, TO STATION -L- 24+82±, 2.5 FT LT.

Shoring Location No. ②

FOR TEMPORARY SHORING AND POSITIVE PROTECTION FOR TEMPORARY SHORING, SEE PLANS AND TEMPORARY SHORING PROVISION.

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

DESIGN TEMPORARY SHORING FROM STATION -L- 24+11±, 6.5 FT RT, TO STATION -L- 24+88±, 6.5 FT RT, FOR THE FOLLOWING ASSUMED SOIL PARAMETERS AND GROUNDWATER ELEVATION:

UNIT WEIGHT (γ)= 120 PCF
 FRICTION ANGLE (ϕ)= 30 DEGREES
 COHESION (c) = 0 PSF
 GROUNDWATER ELEVATION = 252 FT ±

DO NOT USE CANTILEVER, BRACED AND/OR ANCHORED SHORING FOR TEMPORARY SHORING FROM STATION -L- 24+11±, 6.5 FT RT, TO STATION -L- 24+88±, 6.5 FT RT.

AT THE CONTRACTOR'S OPTION, USE A STANDARD TEMPORARY WALL FOR TEMPORARY SHORING FROM STATION -L- 24+11±, 6.5 FT RT, TO STATION -L- 24+88±, 6.5 FT RT. SEE GEOTECHNICAL STANDARD DETAIL NO. 1801.02 FOR STANDARD TEMPORARY WALLS.

Shoring Location No. ③

FOR TEMPORARY SHORING AND POSITIVE PROTECTION FOR TEMPORARY SHORING, SEE PLANS AND TEMPORARY SHORING PROVISION.

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

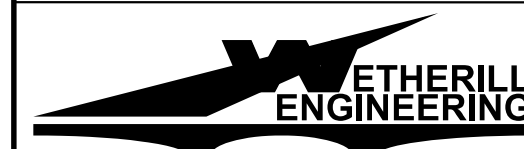
DESIGN TEMPORARY SHORING FROM STATION -Y7- 25+50±, 0.4 FT RT, TO STATION -Y7- 35+00±, 1.0 FT LT, FOR THE FOLLOWING ASSUMED SOIL PARAMETERS AND GROUNDWATER ELEVATION:

UNIT WEIGHT (γ)= 120 PCF
 FRICTION ANGLE (ϕ)= 30 DEGREES
 COHESION (c) = 0 PSF
 GROUNDWATER ELEVATION = VARIES

DO NOT USE CANTILEVER, BRACED AND/OR ANCHORED SHORING FOR TEMPORARY SHORING FROM STATION -Y7- 25+50±, 0.4 FT RT, TO STATION -Y7- 35+00±, 1.0 FT LT.

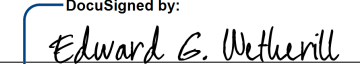
AT THE CONTRACTOR'S OPTION, USE A STANDARD TEMPORARY WALL FOR TEMPORARY SHORING FROM STATION -Y7- 25+50±, 0.4 FT RT, TO STATION -Y7- 35+00±, 1.0 FT LT. SEE GEOTECHNICAL STANDARD DETAIL NO. 1801.02 FOR STANDARD TEMPORARY WALLS.

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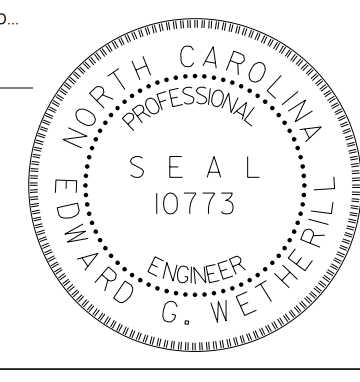


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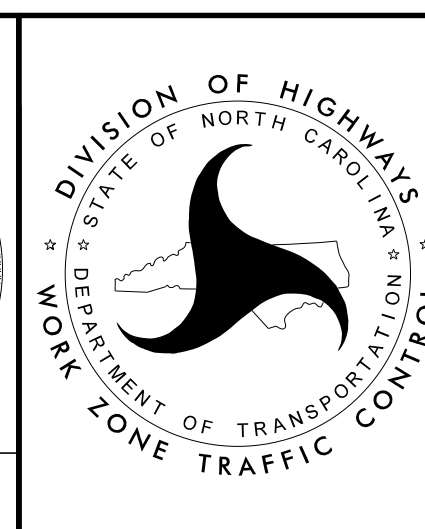
TRANSPORTATION PLANNING/DESIGN - BRIDGE/STRUCTURE DESIGN
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APPROVED: 
DocuSigned by: Edward G. Wetherill
 680753EEBC05147D

DATE: 8/10/2023



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TEMPORARY SHORING DATA

PHASE I

STEP 1) USING ROADWAY STANDARD DRAWING (RSD) 1101.01, INSTALL ALL ADVANCE WARNING SIGNING.

STEP 2) USING RSD 1101.02 WIDEN -L- AND INSTALL TEMPORARY PAVEMENT AND PORTABLE CONCRETE BARRIER (ANCHORED) AT THE CULVERT AT CUT SECTION 'B'. [REFER TO SHEETS TMP-05 & 58]

USING RSD 1101.02, CONSTRUCT THE FOLLOWING UP TO BUT NOT INCLUDING THE FINAL LIFT OF SURFACE COURSE [REFER TO SHEETS TMP-01B, 01C, 02C, 02D, 05 THRU 10, & 58 THRU 64]:

- -L- 'RIGHT' FROM STA. 23+00 +/- -L- TO -Y2- INCLUDING THE STAGE 1 CULVERT AT CUT SECTION 'B'
- -L- 'RIGHT' FROM -Y2- TO STA. 94+50 +/- -L-

USING RSD 1101.03 CLOSE -Y5- AND -Y5A- AND DETOUR OFFSITE. RETAIN ENOUGH EXISTING PAVEMENT TO MAINTAIN ACCESS TO -Y4- (ENNIS RD) AT -Y5-. CONSTRUCT -L- FROM STA. 133+50 +/- -L- TO STA. 136+25 +/- -L-, -Y5- AND -Y5A- INCLUDING TEMPORARY PAVEMENT UP TO BUT NOT INCLUDING THE FINAL LIFT OF SURFACE COURSE. [REFER TO SHEETS TMP-11 & 13]

USING RSD 1101.02, INSTALL TEMPORARY PAVEMENT/WEDGING AND TEMPORARY MARKINGS/MARKERS ON -Y7- 'RIGHT' AND COMPLETE THE FOLLOWING [REFER TO SHEETS TMP-20 THRU 22, & 70 THRU 72]:

- CONSTRUCT -Y7- 'LEFT' FROM STA. 25+50 +/- -Y7- TO STA. 35+00 +/- -Y7- UP TO BUT NOT INCLUDING THE FINAL LIFT OF SURFACE COURSE INCLUDING TEMPORARY SHORING
- CONSTRUCT -Y7- 'LEFT' FROM BEGIN CONSTRUCTION LIMITS TO STA. 25+50 +/- -Y7- AND FROM STA. 35+00 +/- -Y7- TO END CONSTRUCTION LIMITS INCLUDING TEMPORARY PAVEMENT UP TO THE EXISTING EDGE AND ELEVATION

USING TYPE III BARRICADES, CLOSE -Y7C- AT GARDNER RD. AND -L- AND DETOUR OFFSITE. AWAY FROM TRAFFIC AND MAINTAINING LOCAL TRAFFIC, BEGIN CONSTRUCTION OF CONSTRUCT -Y7C- (NOT INCLUDING THE TURN-AROUND) AND -Y7D- UP TO BUT NOT INCLUDING THE FINAL LIFT OF SURFACE COURSE. CONSTRUCT THE -Y7C- TURN-AROUND UP TO BUT NOT INCLUDING THE FINAL LIFT OF SURFACE COURSE. [REFER TO SHEET TMP-01B, 01C, 02A, 02B, 18, & 19]

USING RSD 1101.02 AS NEEDED CONSTRUCT THE FOLLOWING UP TO THE EXISTING EDGE AND ELEVATION [REFER TO SHEETS TMP-04, 05, 07, 10, 20, 57, & 65]:

- -L- 'LEFT' FROM BEGIN CONSTRUCTION LIMITS TO STA. 21+00 +/- -L-
- -L- 'RIGHT' FROM BEGIN CONSTRUCTION LIMITS TO STA. 23+00 +/- -L-
- -L- 'RIGHT' TEMPORARY ALIGNMENT FROM STA. 94+50 +/- -L- TO STA. 100+08 +/- -L- INCLUDING MEDIAN CURB AND GUTTER
- -Y2-
- -Y7A- FROM -Y7- TO END CONSTRUCTION LIMITS

USING RSD 1101.02, BEGIN CONSTRUCTION OF THE FOLLOWING UP TO THE EXISTING EDGE AND ELEVATION [REFER TO SHEETS TMP-12, 68, & 69]:

- -Y4- FROM BEGIN CONSTRUCTION LIMITS TO STA. 15+50 +/- -Y4-
- -Y4- FROM STA. 22+50 +/- -Y4- TO END CONSTRUCTION LIMITS
- -Y4A- FROM BEGIN CONSTRUCTION LIMITS TO STA. 19+50 +/- -Y4A-
- -Y4B- FROM BEGIN CONSTRUCTION LIMITS TO STA. 16+50 +/- -Y4B-

AWAY FROM TRAFFIC, BEGIN CONSTRUCTION OF THE FOLLOWING UP TO BUT NOT INCLUDING THE FINAL LIFT OF SURFACE COURSE [REFER TO SHEETS 11-18, 21, & 67]:

- -L- FROM STA. 105+50 +/- -L- TO STA. 133+50 +/- -L-
- -L- FROM STA. 136+25 +/- -L- TO STA. 165+00 +/- -L-
- -L- FROM STA. 166+00 +/- -L- TO STA. 172+00 +/- -L-
- -L- 'LEFT' FROM STA. 172+00 +/- -L- TO STA. 181+00 +/- -L- (MAINTAIN ACCESS TO DRIVEWAYS)
- -L- 'RIGHT' FROM STA. 184+00 +/- -L- TO STA. 190+00 +/- -L- (MAINTAIN ACCESS TO DRIVEWAYS)
- -L- FROM STA. 190+00 +/- -L- TO STA. 232+00 +/- -L-
- -L- FROM -Y7- TO END CONSTRUCTION LIMITS
- -Y4- FROM STA. 15+50 +/- -Y4- TO -L-
- -Y4- FROM -L- TO STA. 22+50 +/- -Y4-
- -Y4A- FROM STA. 19+50 +/- -Y4A- TO -Y4-
- -Y4B- FROM STA. 16+50 +/- -Y4B- TO -Y4-

STEP 3) AWAY FROM TRAFFIC INSTALL AS MUCH OF THE PHASE II PATTERN TEMPORARY MARKINGS/MARKERS AS POSSIBLE.

PHASE II

STEP 1) USING RSD 1101.02 AS NEEDED, WEDGE THE FOLLOWING UP TO BUT NOT INCLUDING THE FINAL LIFT OF SURFACE COURSE, SHIFT TRAFFIC ONTO THE PHASE II PATTERN, AND INSTALL TEMPORARY MARKINGS/MARKERS [REFER TO SHEETS TMP-23, 24, 26, 29, 33 THRU 35, 70, & 72]:

- -L- FROM BEGIN CONSTRUCTION LIMITS TO STA. 21+00 +/- -L- (WEDGE EXISTING AS NEEDED TO TRANSITION FROM THE EXISTING SUPERELEVATION TO THE PROPOSED SUPERELEVATION IN THE EXISTING TRAFFIC PATTERN BEFORE SHIFTING TRAFFIC)
- -L- 'RIGHT' FROM STA. 21+00 +/- -L- TO STA. 23+00 +/- -L-
- -L- 'LEFT' AT -Y3-
- -Y2- AND -L- AT -Y2-
- -Y7- FROM BEGIN CONSTRUCTION LIMITS TO STA. 25+50 +/- -Y7-
- -Y7- FROM STA. 35+00 +/- -Y7- TO END CONSTRUCTION LIMITS
- -Y7A- FROM -Y7- TO END CONSTRUCTION LIMITS
- -Y7- 'RIGHT' FROM STA. 25+50 +/- -Y7- TO STA. 26+75 +/- -Y7- AND FROM STA. 34+00 +/- -Y7- TO STA. 35+00 +/- -Y7-

OPEN -Y5- AND -Y5A- TO THE PHASE II PATTERN. [REFER TO SHEET TMP-31]

STEP 2) USING RSD 1101.02 AS NEEDED CONSTRUCT THE FOLLOWING UP TO BUT NOT INCLUDING THE FINAL LIFT OF SURFACE COURSE [REFER TO SHEETS TMP-23 THRU 30, 33, 34, 57 THRU 65, & 71]:

- -L- 'LEFT' FROM STA. 22+00 +/- -L- TO -Y3- INCLUDING STAGE II CULVERT
- -L- 'LEFT' FROM -Y3- TO STA. 100+98
- -L- FROM STA. 100+98 TO STA. 105+50 +/- -L-
- -Y4B- TURN-AROUND
- -Y7- 'RIGHT' FROM STA. 25+50 +/- -Y7- TO STA. 35+00 +/- -Y7-

USING RSD 1101.02 CONSTRUCT THE MEDIAN OF -L- FROM STA. 88+79 +/- -L- TO STA. 100+98 +/- -L-, AND INSTALL THE BASE COURSE BETWEEN THIS SECTION OF CURB AND GUTTER AND EXISTING -L- FROM STA. 94+54 +/- -L- TO STA. 100+98 +/- -L-. [REFER TO SHEETS TMP-29, 30, 64, & 65]

USING RSD 1101.02, CONSTRUCT THE FOLLOWING UP TO THE EXISTING EDGE AND ELEVATION: [REFER TO SHEETS TMP-23, 26, & 29]

- -L- 'LEFT' FROM BEGIN CONSTRUCTION LIMITS TO STA. 22+00 +/- -L-
- -Y1-
- -Y3-

AWAY FROM TRAFFIC, COMPLETE CONSTRUCTION OF THE FOLLOWING UP TO BUT NOT INCLUDING THE FINAL LIFT OF SURFACE COURSE [REFER TO PHASE I SHEETS AND ROADWAY PLANS]:

- -L- FROM STA. 105+50 +/- -L- TO STA. 113+00 +/- -L-
- -L- FROM 166+00 +/- -L- TO STA. 172+00 +/- -L-
- -L- 'LEFT' FROM STA. 172+00 +/- -L- TO STA. 181+00 +/- -L-
- -L- 'RIGHT' FROM STA. 184+00 +/- -L- TO STA. 190+00 +/- -L-
- -L- FROM STA. 190+00 +/- -L- TO STA. 212+48 +/- -L-
- -Y4- FROM STA. 15+50 +/- -Y4- TO STA. 22+50 +/- -Y4-
- -Y4A- FROM STA. 19+50 +/- -Y4A- TO -Y4-
- -Y4B- FROM STA. 16+50 +/- -Y4B- TO -Y4-

USING RSD 1101.03, CLOSE -Y6- FROM BEGIN CONSTRUCTION LIMITS TO -Y6A- AND DETOUR TRAFFIC OFFSITE. AWAY FROM TRAFFIC CONSTRUCT -Y6- FROM BEGIN CONSTRUCTION LIMITS TO -Y6A- UP TO BUT NOT INCLUDING THE FINAL LIFT OF SURFACE COURSE. CONSTRUCT -Y6- FROM -Y6A- TO END CONSTRUCTION LIMITS AND -Y6A- UNDER TRAFFIC UP TO BUT NOT INCLUDING THE FINAL LIFT OF SURFACE COURSE. [REFER TO SHEETS TMP-01B, 01C, 02, 02B, & 32]

STEP 3) AWAY FROM TRAFFIC INSTALL AS MUCH OF THE PHASE III TEMPORARY MARKINGS/MARKERS AS POSSIBLE.

PHASE III

PHASE III, STEPS 1A THRU 1E SHALL BE COMPLETED IN 30 CONSECUTIVE MAN DAYS. SEE INTERMEDIATE CONTRACT TIMES FOR LIQUIDATED DAMAGES.

COMPLETE PHASE III, STEPS 1A THRU 1E IN THE FOLLOWING ORDER AND IN A CONTINUOUS MANNER:

STEP 1A) USING RSD 1101.02, WEDGE -Y1- AND -Y3- UP TO BUT NOT INCLUDING THE FINAL LIFT OF SURFACE COURSE. [REFER TO SHEETS TMP-39 & 42]

STEP 1B) USING RSD 1101.02, CLOSE THE SOUTHBOUND LANE OF NC 55 AND REMOVE THE PCB AT THE CULVERT AT STA. 24+50 +/- -L-. NEXT, WEDGE -Y4- 'LEFT' FROM STA. 22+50 +/- -Y4- TO THE END CONSTRUCTION LIMITS. THEN SHIFT ALL NC 55 TRAFFIC ONTO NC 55 SB IN A TWO WAY, ONE LANE PATTERN. [REFER TO SHEETS TMP-36, 44, & 57]

STEP 1C) USING RSD 1101.02, WEDGE THE FOLLOWING UP TO BUT NOT INCLUDING THE FINAL LIFT OF SURFACE COURSE, INCLUDING SHOULDER CONSTRUCTION, AND OPEN NC 55 TO THE PHASE III PATTERN REFER TO SHEETS TMP-36, 37, 42 THRU 44, 57, & 66]:

- -L- 'RIGHT' FROM STA. 94+50 +/- -L- TO STA. 100+98 +/- -L-
- -Y4- 'RIGHT' FROM STA. 22+50 +/- -Y4- TO THE END CONSTRUCTION LIMITS
- -Y4A- FROM BEGIN CONSTRUCTION LIMITS TO STA. 19+50 +/- -Y4A-

STEP 1D) USING RSD 1101.02, WEDGE -Y4- FROM THE BEGIN CONSTRUCTION LIMITS TO STA. 15+50 +/- -Y4- AND -Y4B- FROM THE BEGIN CONSTRUCTION LIMITS TO STA. 16+50 +/- -Y4B-, INCLUDING SHOULDER CONSTRUCTION. OPEN -Y4- AND -Y4B- TO THE PHASE III PATTERN. [REFER TO SHEET TMP-44]

STEP 1E) CLOSE ENNIS RD. AT -Y5-, AND OPEN -Y6-, Y6A-, AND -L- AT -Y6- TO THE PHASE III PATTERN. [REFER TO SHEETS TMP-45 & 46]

STEP 2) BEHIND DRUMS COMPLETE CONSTRUCTION OF -L- MEDIAN FROM STA. 21+00 +/- -L- TO STA. 88+79 +/- -L- AND FROM STA. 100+98 +/- -L- TO STA. 102+18 +/- -L-. [REFER TO SHEETS TMP-36 THRU 43, 57, & 59]

USING RSD 1101.02 AS NEEDED, COMPLETE THE FOLLOWING INCLUDING SHOULDER CONSTRUCTION [REFER TO SHEETS TMP-42 THRU 45]:

- CONSTRUCT -L- 'RIGHT' FROM STA. 100+98 +/- -L- TO STA. 103+50 +/- -L- (BULB OUT) UP TO BUT NOT INCLUDING THE FINAL LIFT OF SURFACE COURSE
- REMOVE ENNIS RD. AT -Y5-
- REMOVE EXISTING NC 55 FROM -L- STA. 99+50 +/- TO -Y4A- STA. 12+00 +/-
- REMOVE EXISTING NC 55 BETWEEN -Y4- AND -Y4A-
- REMOVE EXISTING ENNIS RD BETWEEN -Y4- AND -Y4B-
- CONSTRUCT MONOLITHIC ISLANDS ON -Y1-, -Y2-, AND -Y3-

AWAY FROM TRAFFIC, CONSTRUCT THE FOLLOWING UP TO BUT NOT INCLUDING THE FINAL LIFT OF SURFACE COURSE, REMOVE THE EXISTING ROADWAY, AND COMPLETE SHOULDER CONSTRUCTION [REFER TO SHEETS TMP-43, 45, & 47 THRU 49]:

- -L- 'RIGHT' FROM STA. 172+00 +/- -L- TO STA. 181+00 +/- -L-
- -L- FROM STA. 181+00 +/- -L- TO STA. 184+00 INCLUDING THE CULVERT
- -L- 'LEFT' FROM STA. 184+00 +/- -L- TO STA. 192+50 +/- -L-
- -Y5B- TURN-AROUND
- -Y4A- TURN-AROUND
- -Y6A- TURN-AROUND
- -Y7B- TURN-AROUND

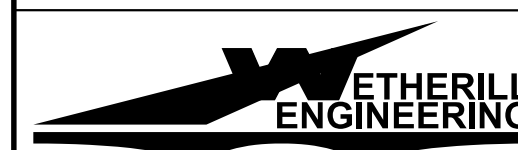
AWAY FROM TRAFFIC, COMPLETE CONSTRUCTION OF THE FOLLOWING UP TO BUT NOT INCLUDING THE FINAL LIFT OF SURFACE COURSE [REFER TO SHEETS TMP-45 THRU 47, & 52]:

- -L- FROM STA. 113+00 +/- -L- TO STA. 133+50 +/- -L-
- -L- FROM STA. 136+25 +/- -L- TO STA. 165+00 +/- -L-
- -L- FROM STA. 212+48 +/- -L- TO STA. 232+00 +/- -L-
- -L- FROM -Y7- TO END CONSTRUCTION LIMITS

USING RSD 1101.02 INSTALL THE FINAL SIGNALS AT THE -L-/-Y7- INTERSECTION AND THE -L-/-Y7- SOUTHBOUND U-TURN INTERSECTION.

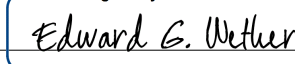
AWAY FROM TRAFFIC INSTALL AS MANY OF THE TEMPORARY MARKINGS/MARKERS AS POSSIBLE.

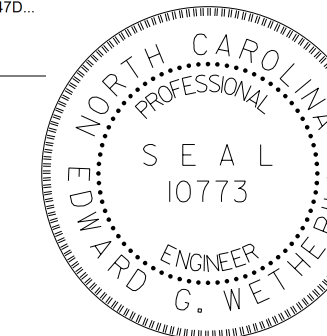
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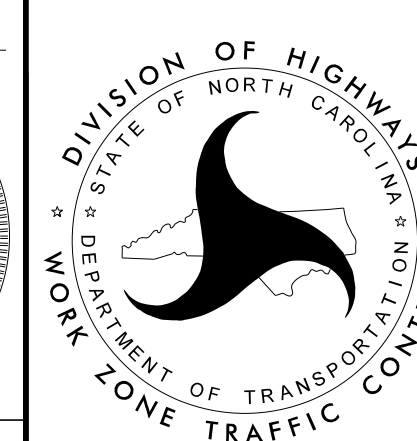
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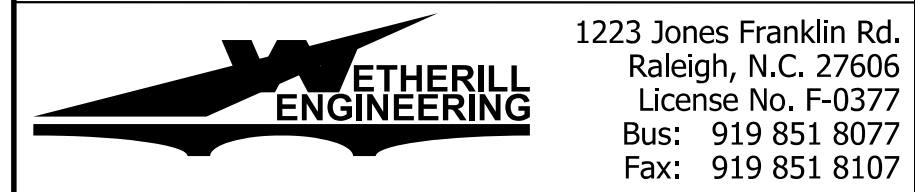
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R-5705A	TMP-03A

PHASE IV

PHASE IV, STEPS 1A THRU 1E SHALL BE COMPLETED IN ORDER AND IN A CONTINUOUS MANNER. [REFER TO SHEETS TMP-53 THRU 57]

- STEP 1A) USING RSD 1101.02, REMOVE ANY MARKINGS FROM THE PHASE III PATTERN THAT CONFLICT WITH THE PHASE IV PATTERN AND REPLACE WITH THE PHASE IV MARKINGS.
- STEP 1B) INSTALL ALL DRUMS AND TYPE III BARRICADES AS SHOWN ON PHASE IV SHEETS AND SHIFT TRAFFIC INTO A SUPERSTREET PATTERN AT THE -L-/-Y4-, -L-/-Y5-, -L-/-Y6-, AND -L-/-Y7- INTERSECTIONS. INSTALL ALL REMAINING MONOLITHIC ISLANDS. REMOVE TEMPORARY PAVEMENT ON -Y5-, -Y5A-, AND -Y7- INSTALLED IN PHASE I. THEN INSTALL ALL TEMPORARY MARKINGS ON -L- IN THE FINAL PATTERN, KEEPING THE DRUMS AND TYPE III BARRICADES IN THE PHASE IV PATTERN. MAINTAIN ACCESS TO ALL DRIVEWAYS.
- STEP 1C) COORDINATING WITH THE R-5705B PROJECT, REMOVE ALL TYPE III BARRICADES AND DRUMS, STARTING 'DOWNSTREAM' IN EITHER DIRECTION AND ENDING 'UPSTREAM', AND OPEN THE ENTIRE PROJECT TO THE FINAL TRAFFIC PATTERN, EXCEPT FOR -Y7-. ACTIVATE THE FINAL SIGNALS AT -Y7-.
- STEP 1D) USING RSD 1101.02 AS NEEDED, INSTALL THE FINAL LIFT OF SURFACE COURSE, FINAL PAVEMENT MARKINGS, AND MARKERS ON THE ENTIRE PROJECT. [REFER TO THE FINAL PAVEMENT MARKING PLAN]
- STEP 1E) REMOVE ANY REMAINING TRANSPORTATION MANAGEMENT DEVICES AND SIGNING AND RETURN TRAFFIC TO THE FINAL TRAFFIC PATTERN.

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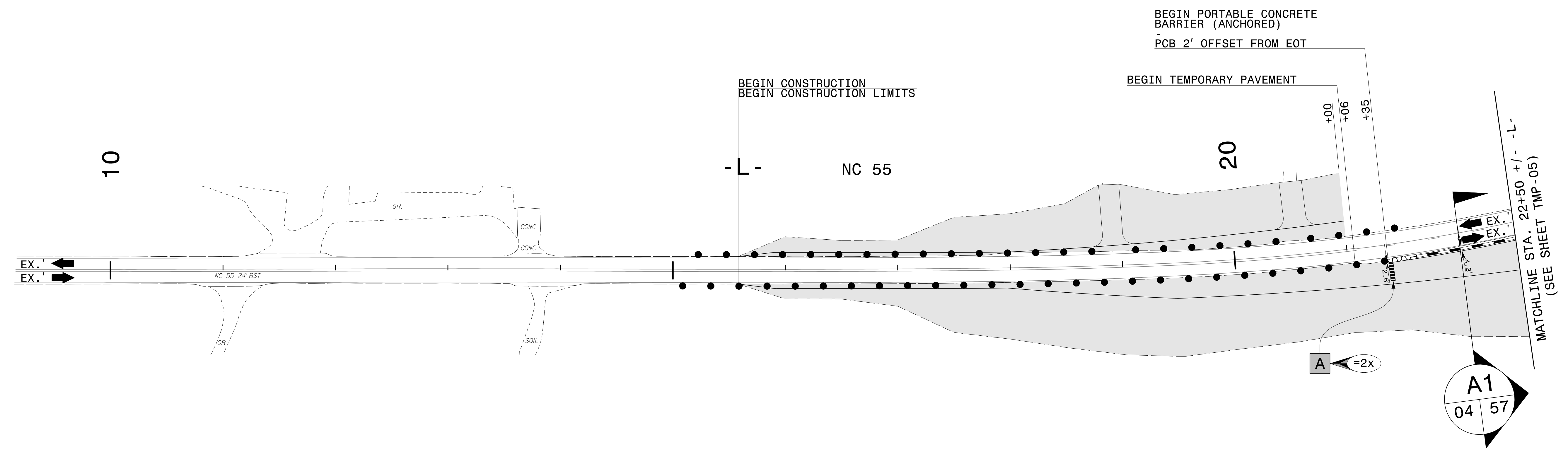
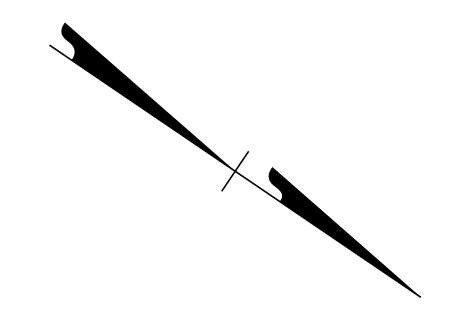
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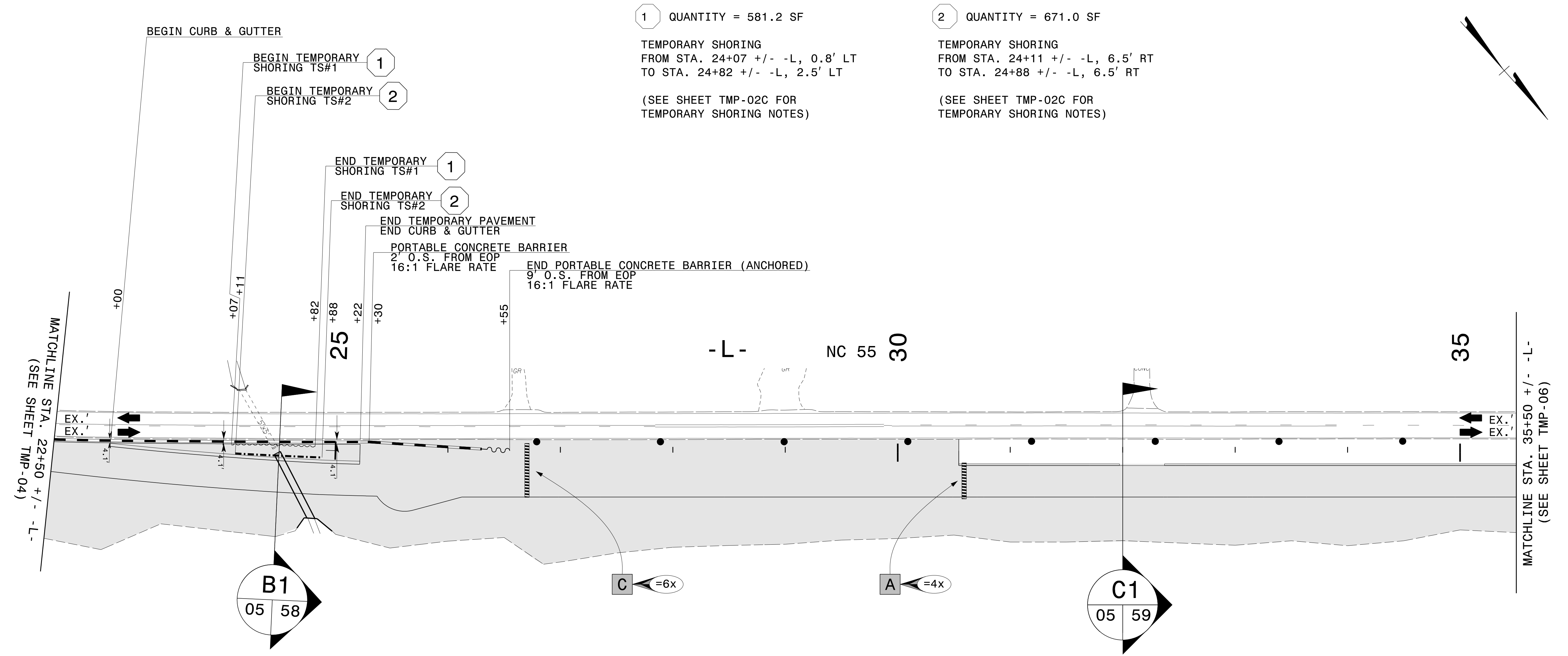
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 NORTH CAROLINA
 DEPARTMENT OF TRANSPORTATION
 WORK ZONE TRAFFIC CONTROL

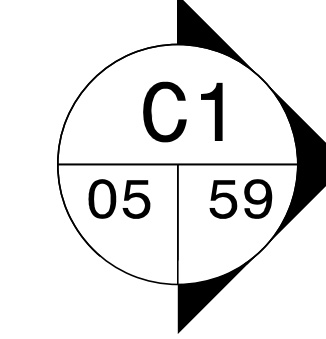
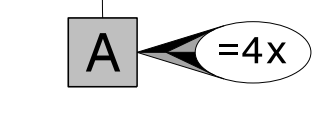
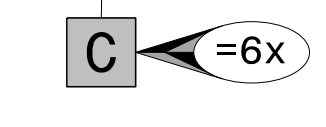
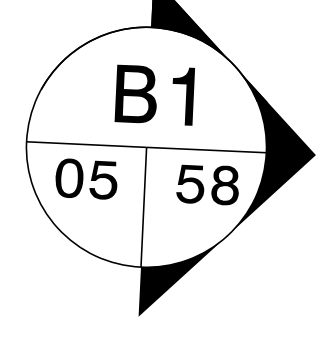
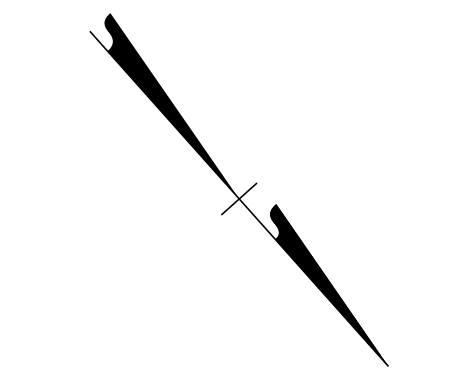
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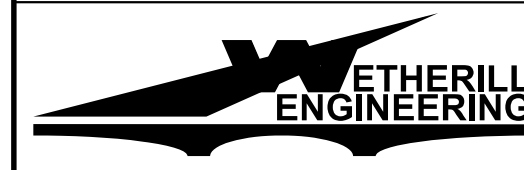


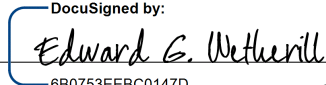
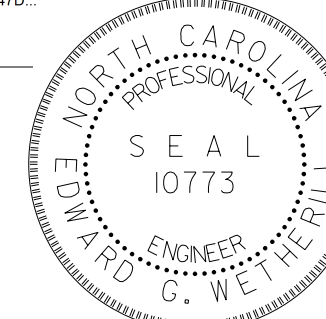
1 QUANTITY = 581.2 SF
 TEMPORARY SHORING
 FROM STA. 24+07 +/- -L, 0.8' LT
 TO STA. 24+82 +/- -L, 2.5' LT
 (SEE SHEET TMP-02C FOR
 TEMPORARY SHORING NOTES)

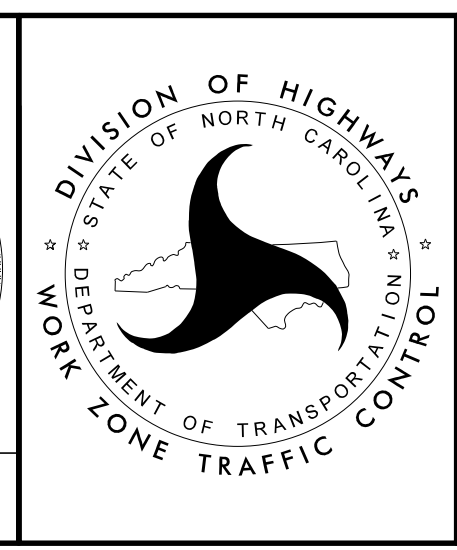
2 QUANTITY = 671.0 SF
 TEMPORARY SHORING
 FROM STA. 24+11 +/- -L, 6.5' RT
 TO STA. 24+88 +/- -L, 6.5' RT
 (SEE SHEET TMP-02C FOR
 TEMPORARY SHORING NOTES)



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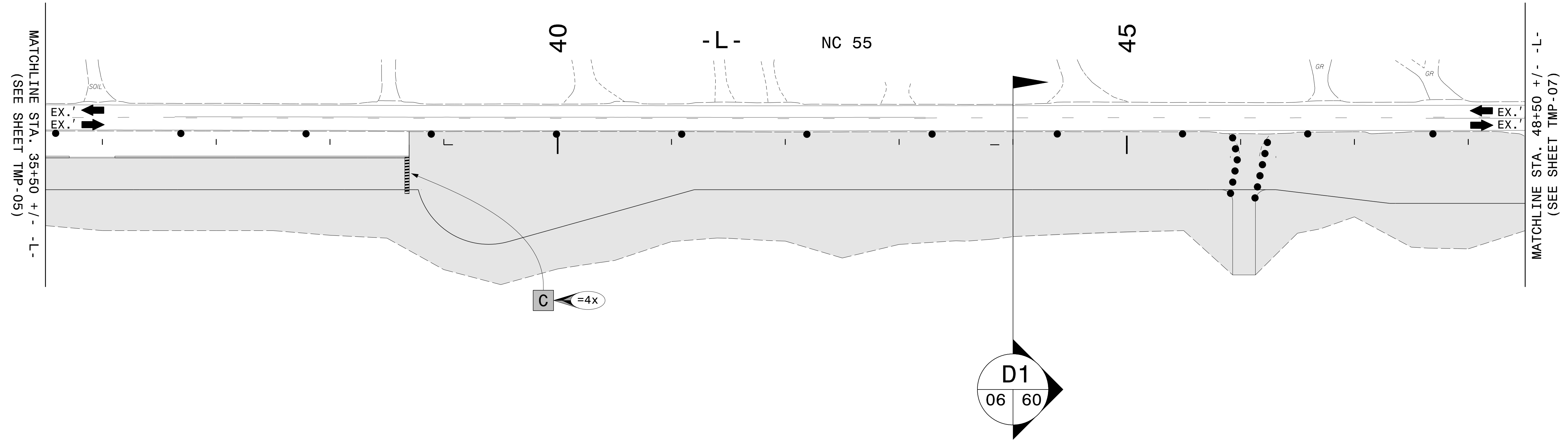
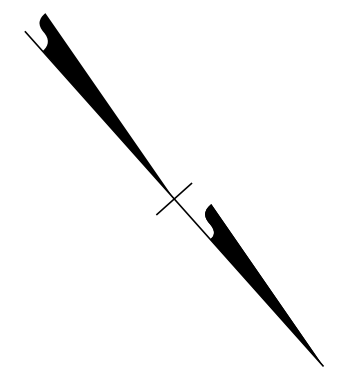

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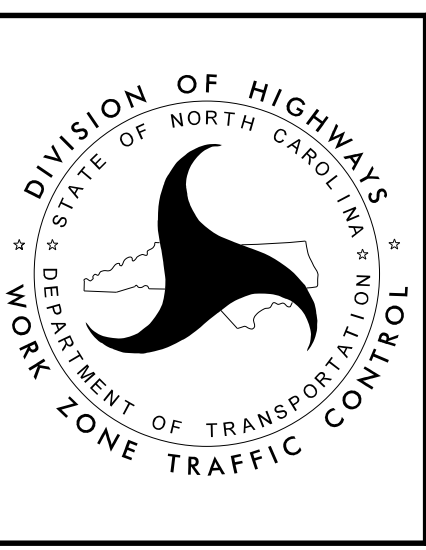
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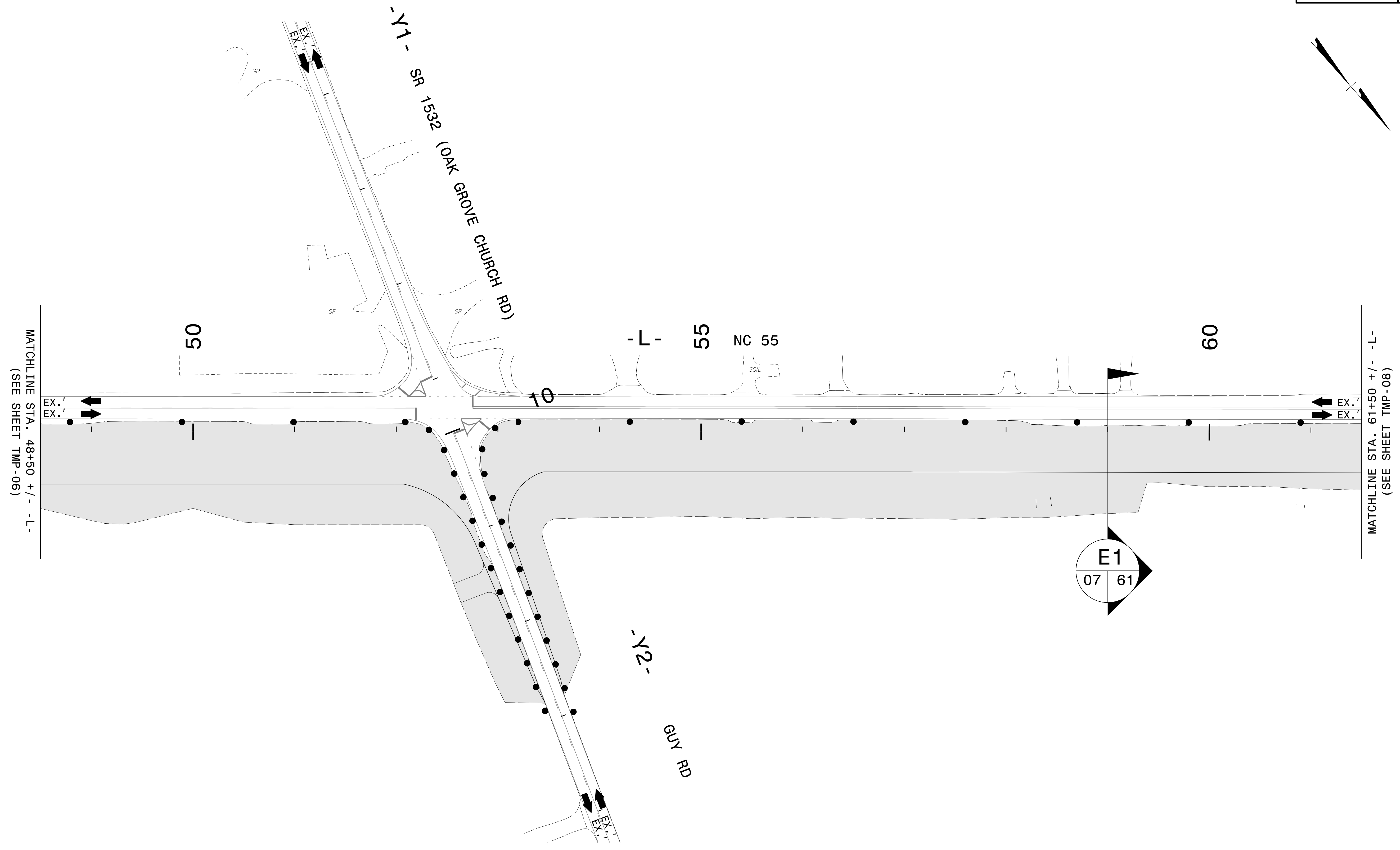
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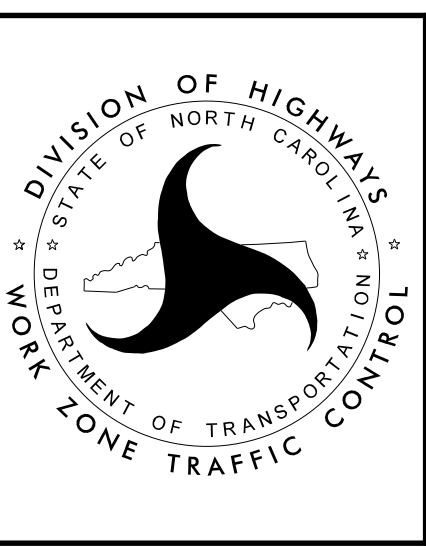
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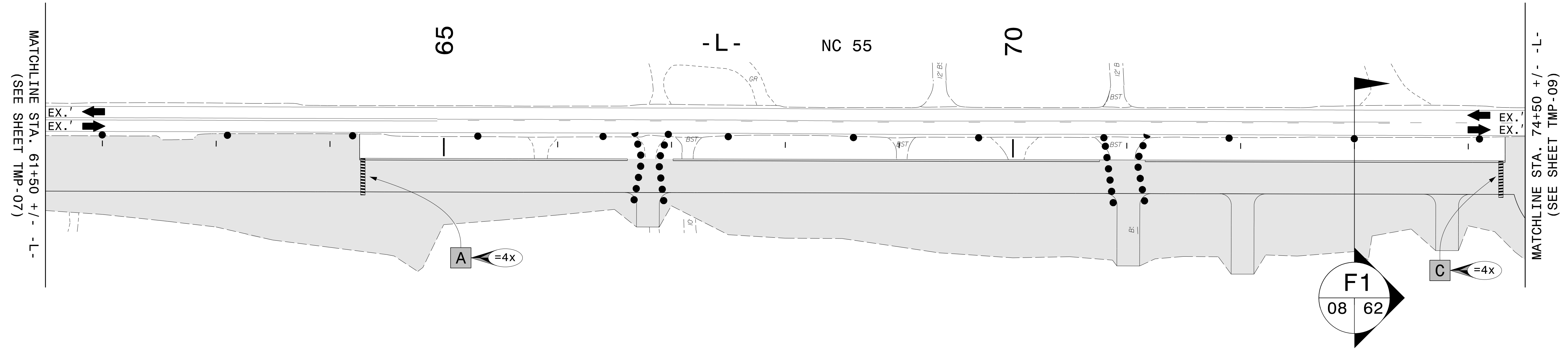
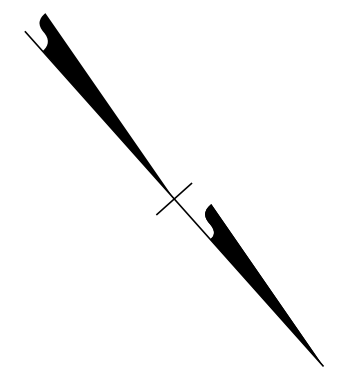
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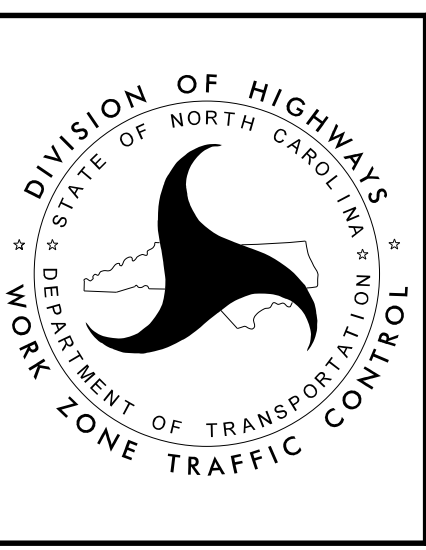
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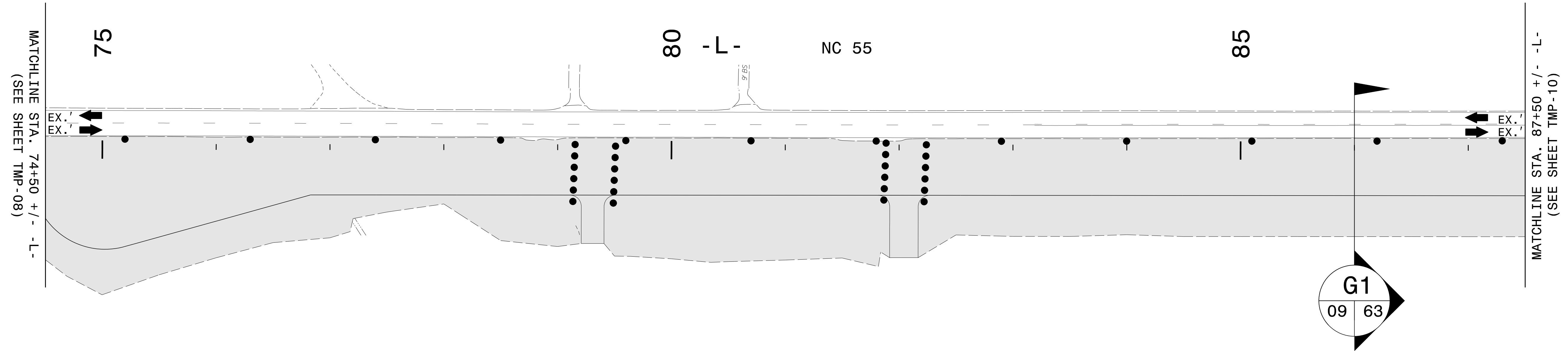
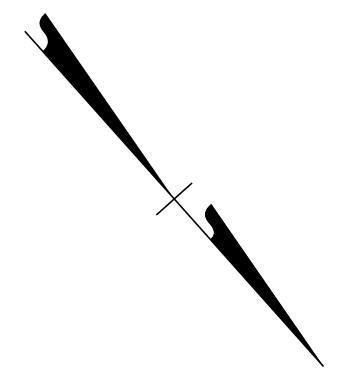
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R-5705A	TMP-09



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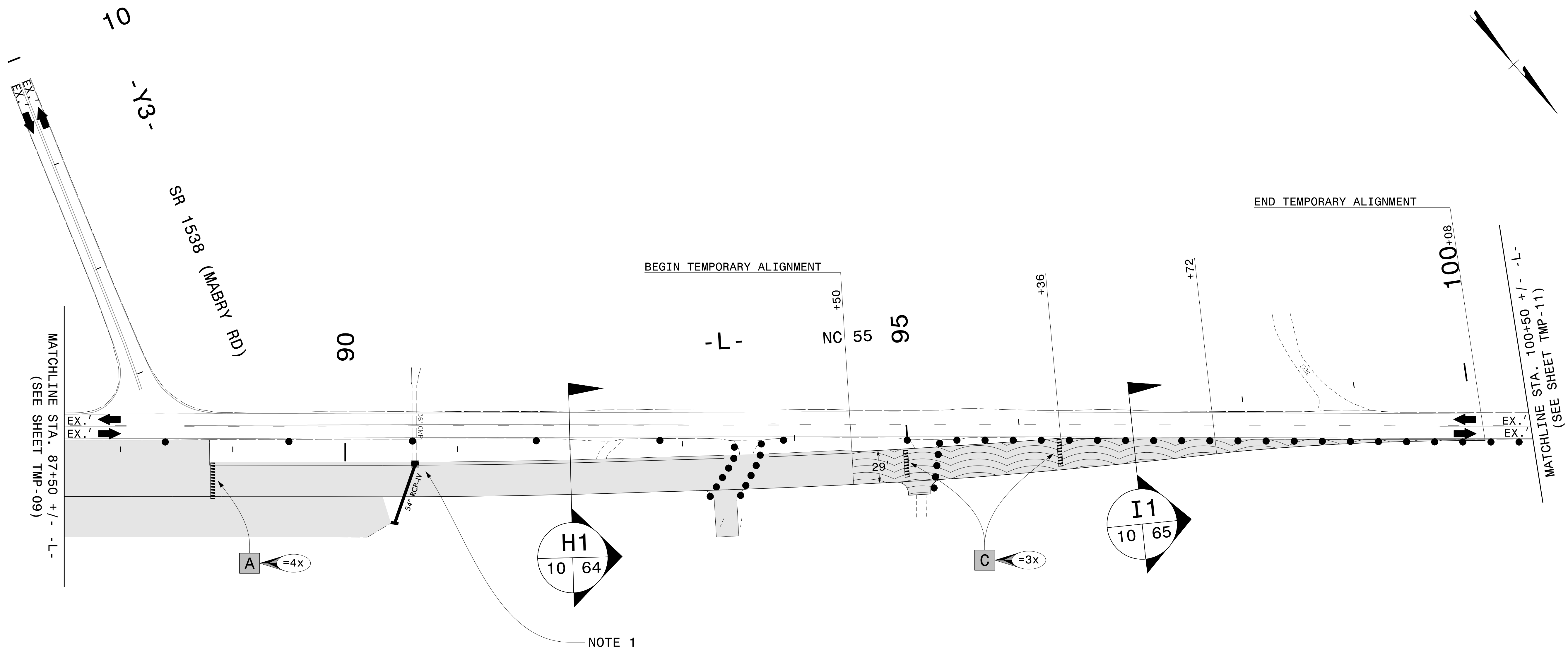
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 CIVIL/SITE DESIGN - GIS/GPS - CONSTRUCTION OBSERVATION

APPROVED: *Edward G. Wetherill*
680753EEBC0147D...
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NOTES:

- 1) TIE EXISTING 36" PIPE TO PROPOSED DRAINAGE BOX.

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APPROVED: *Edward G. Wetherill*
DATE: 8/10/2023

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EDWARD G. WETHERILL
10773

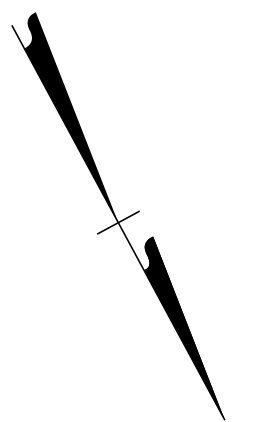
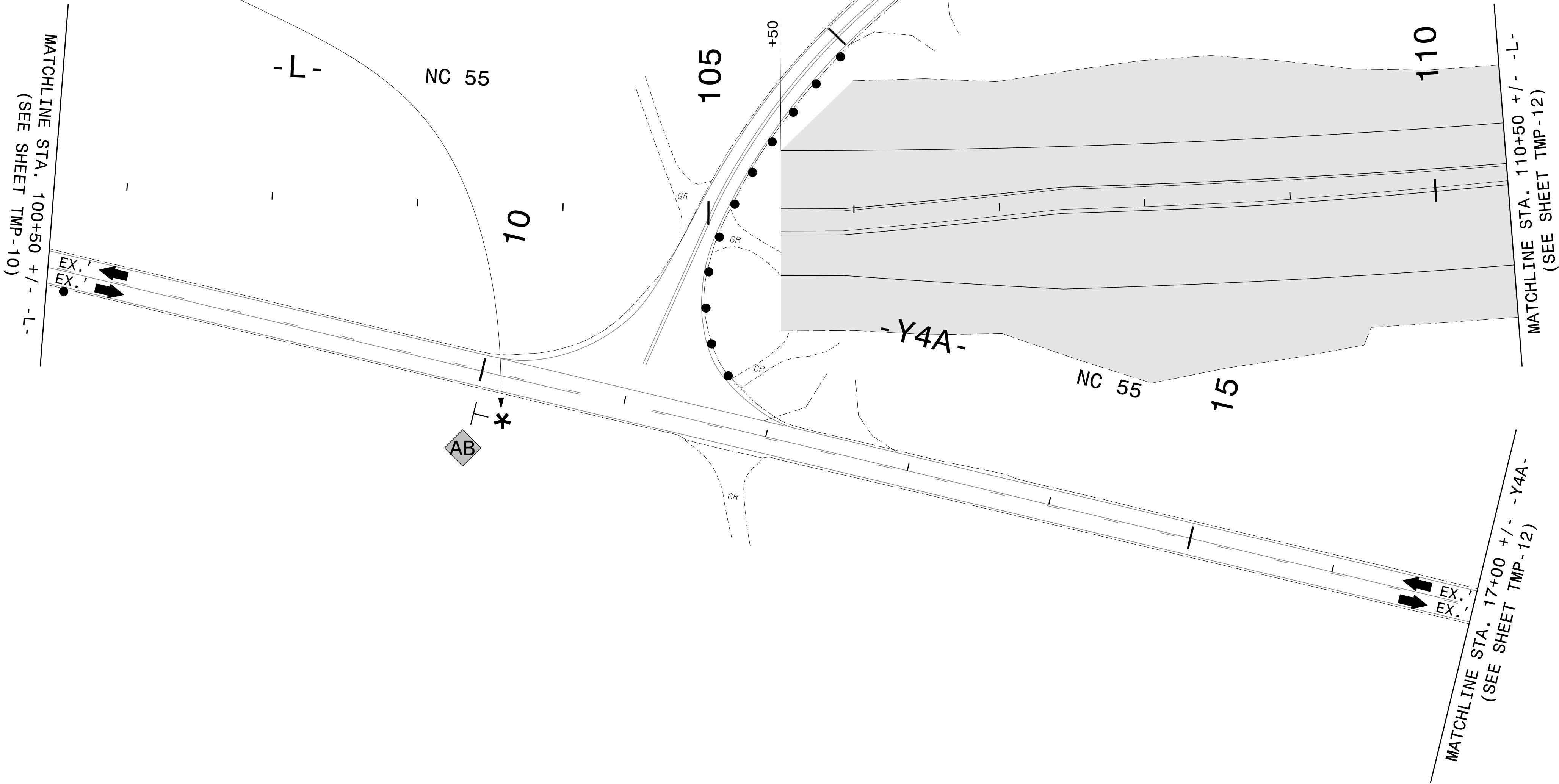
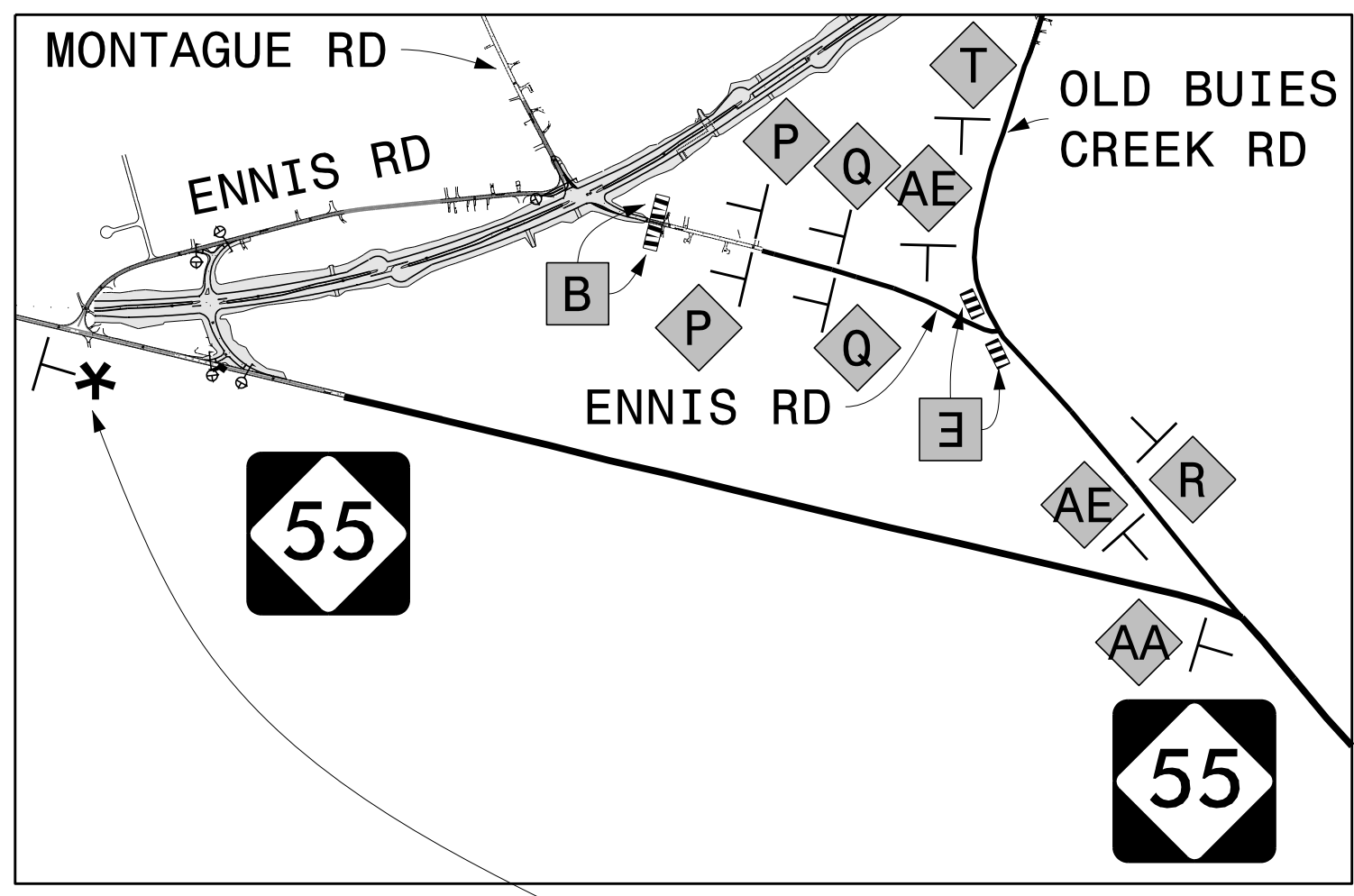
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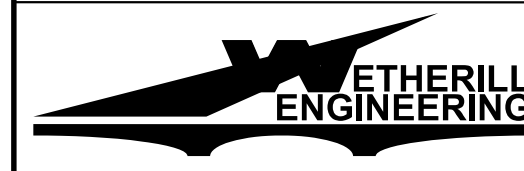
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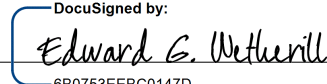
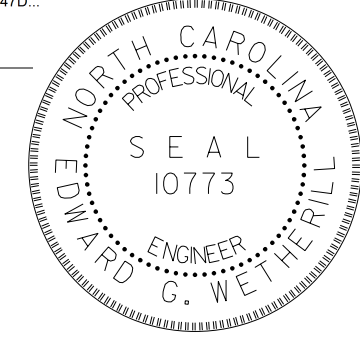
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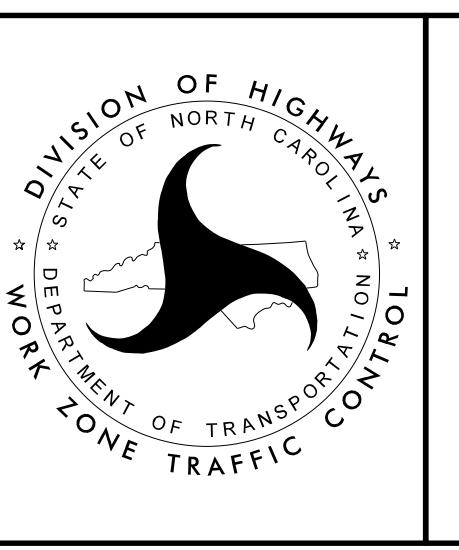
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R-5705A	TMP-11



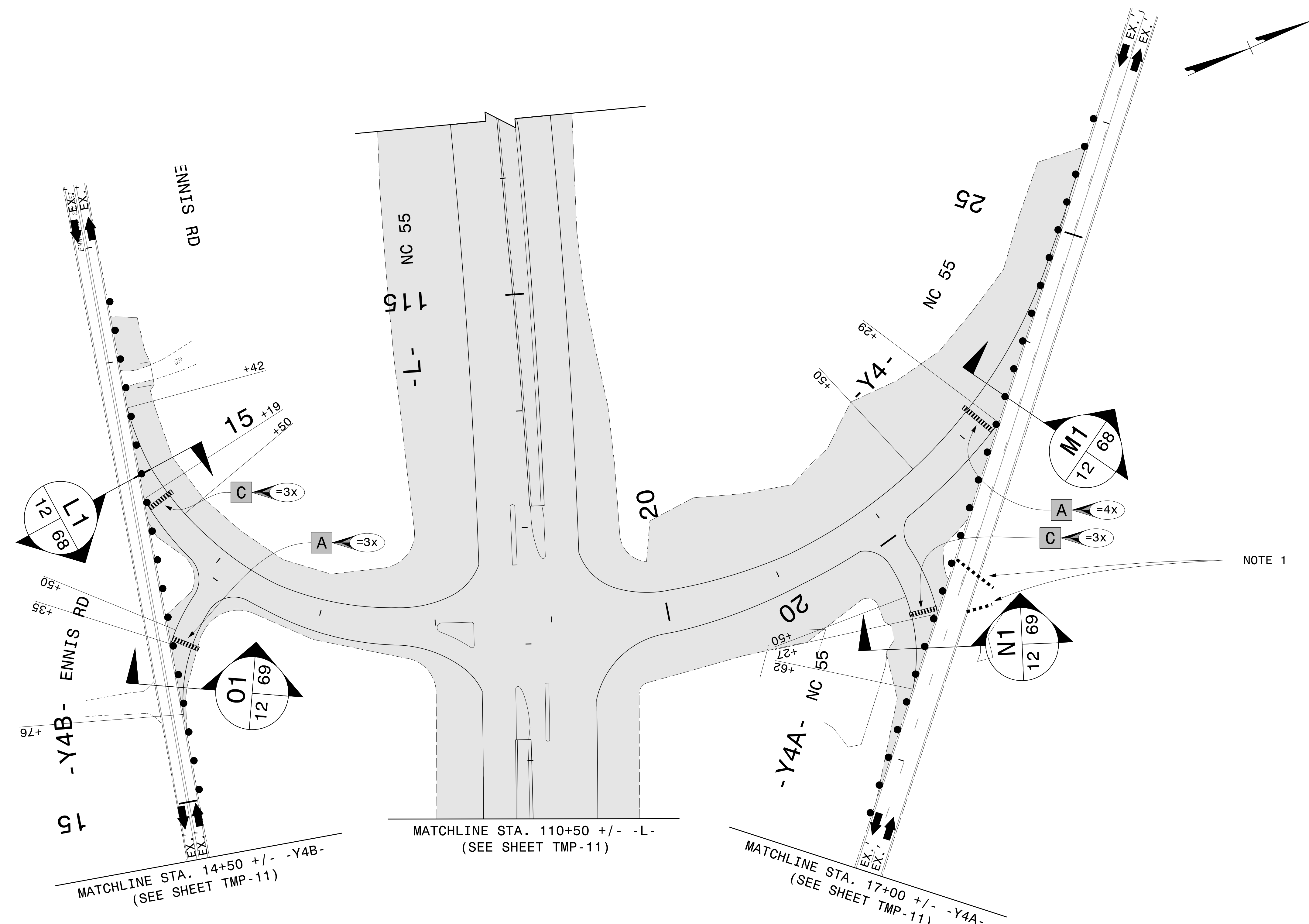
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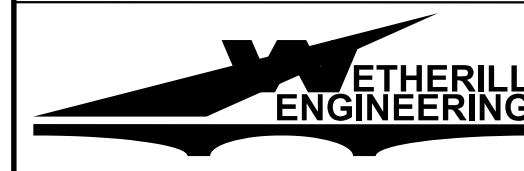


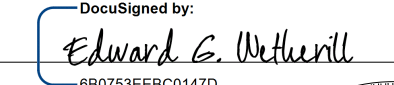
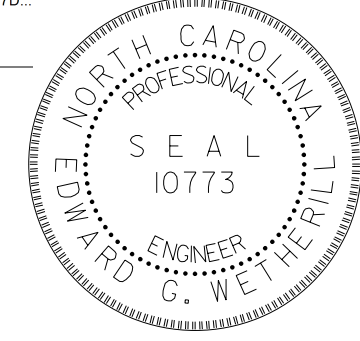
NOTE 1

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- 1) TEMPORARY DRAINAGE - MATCH PROPOSED DRAINAGE PIPES [REFER TO ROADWAY AND HYDRAULIC PLANS]

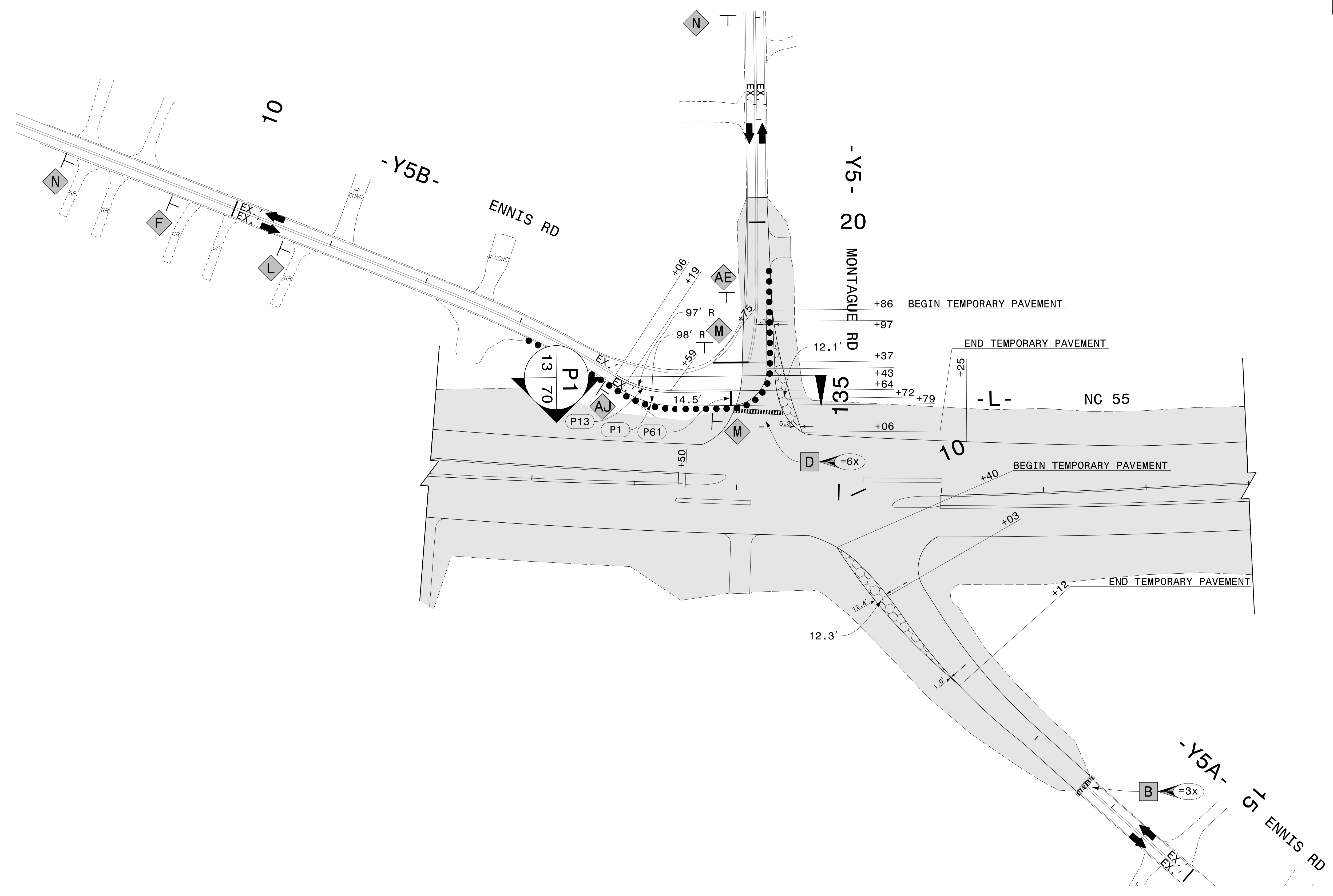
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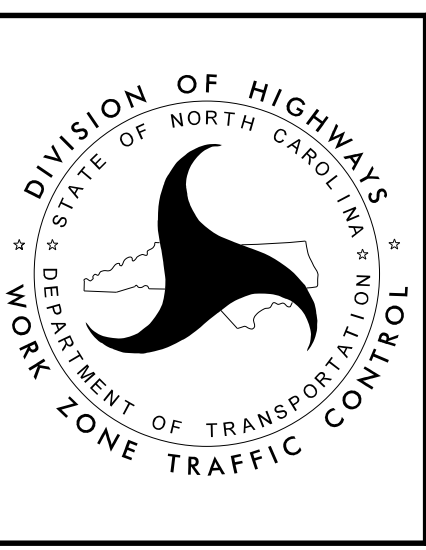
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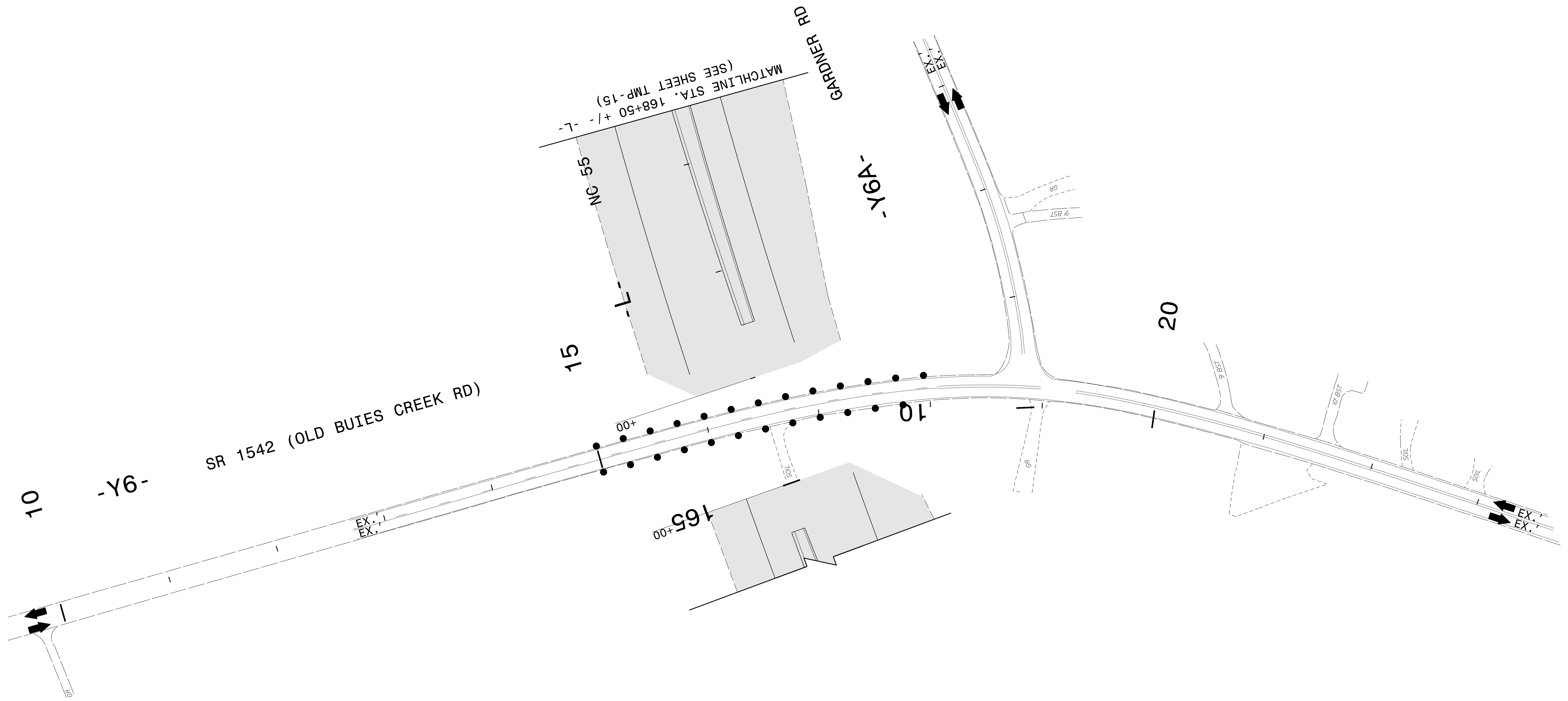
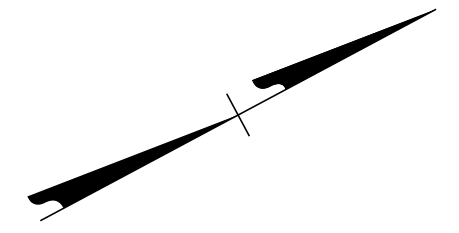
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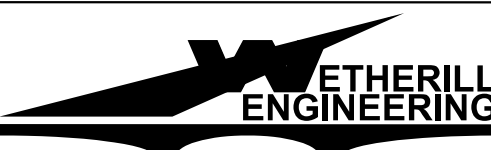
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R-5705A	TMP-14



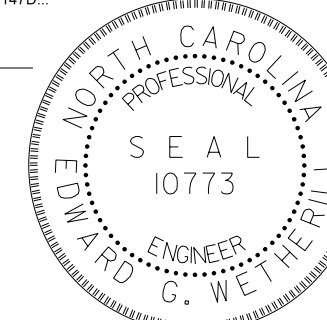
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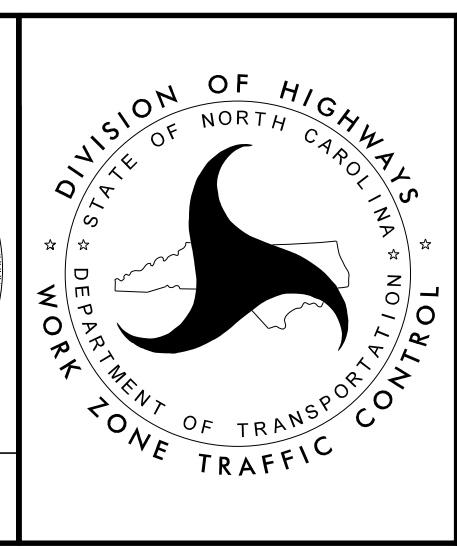

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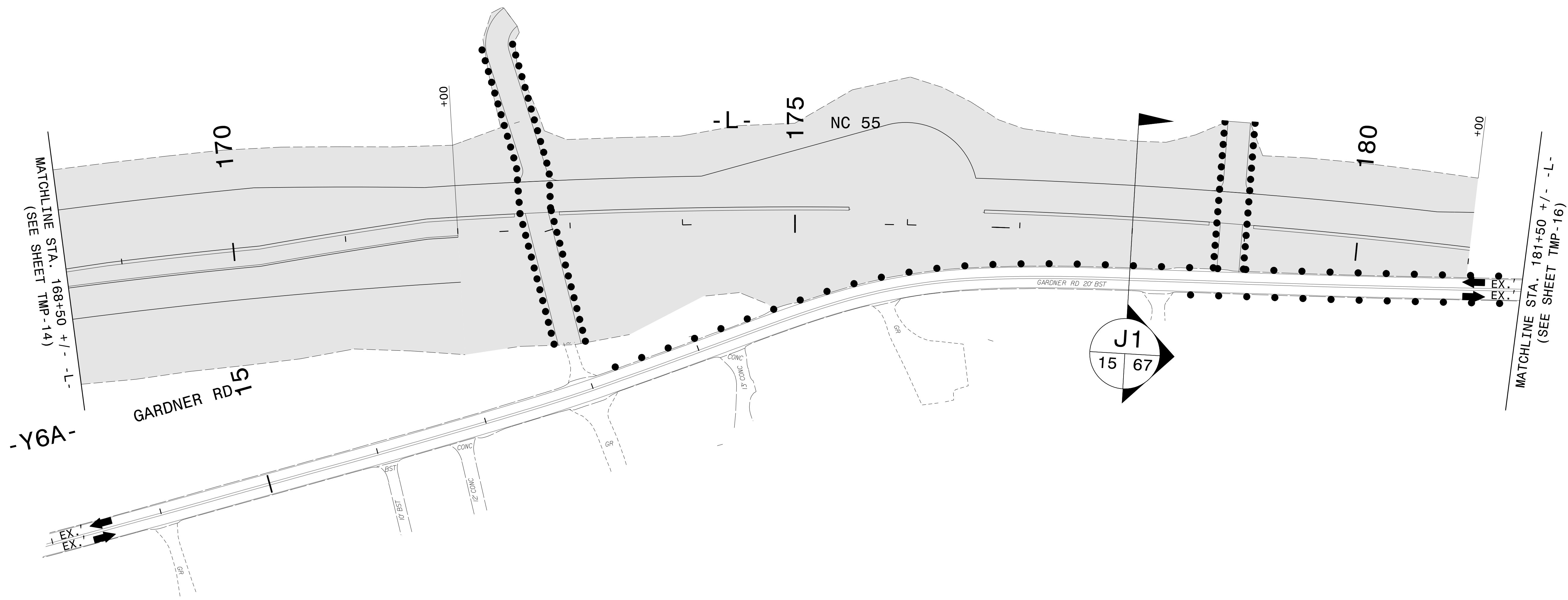
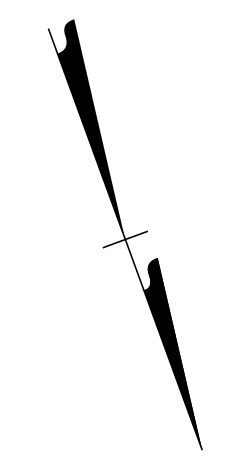
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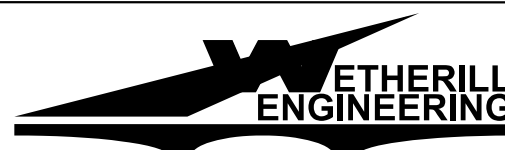
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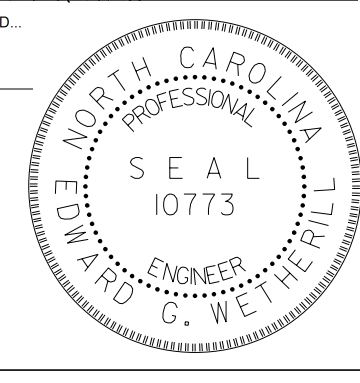


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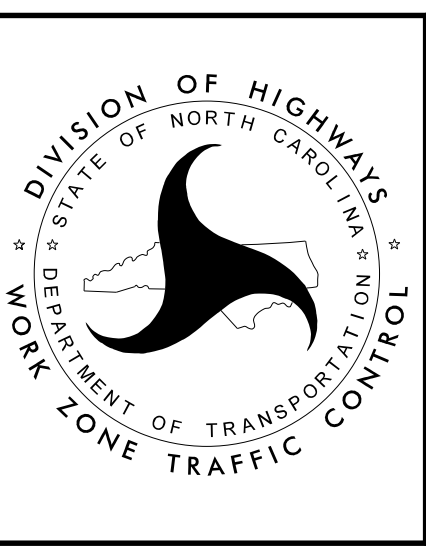
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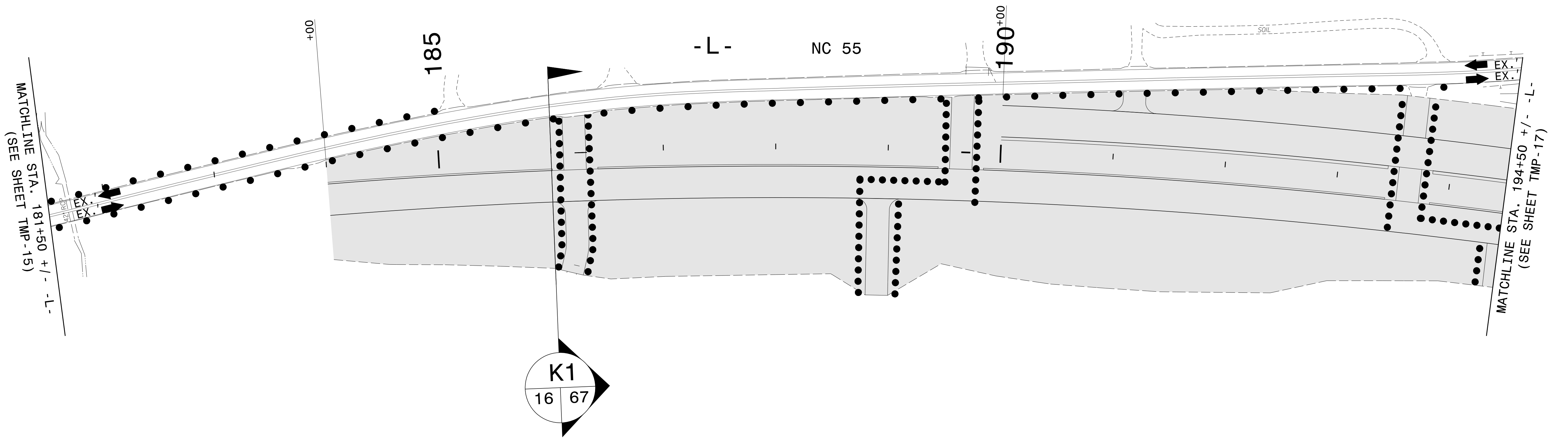


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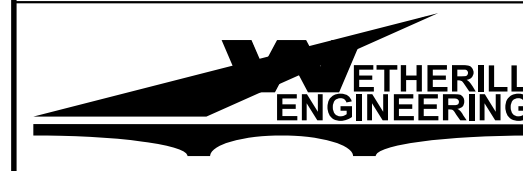


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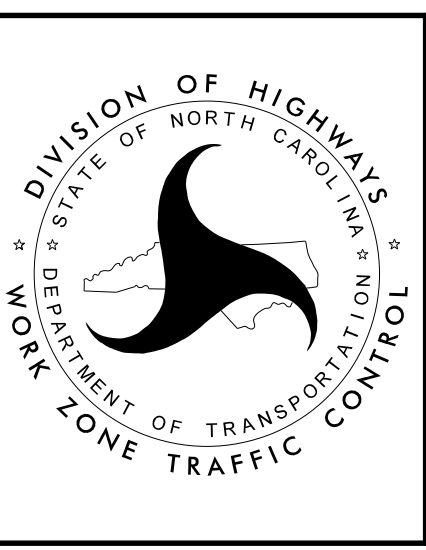
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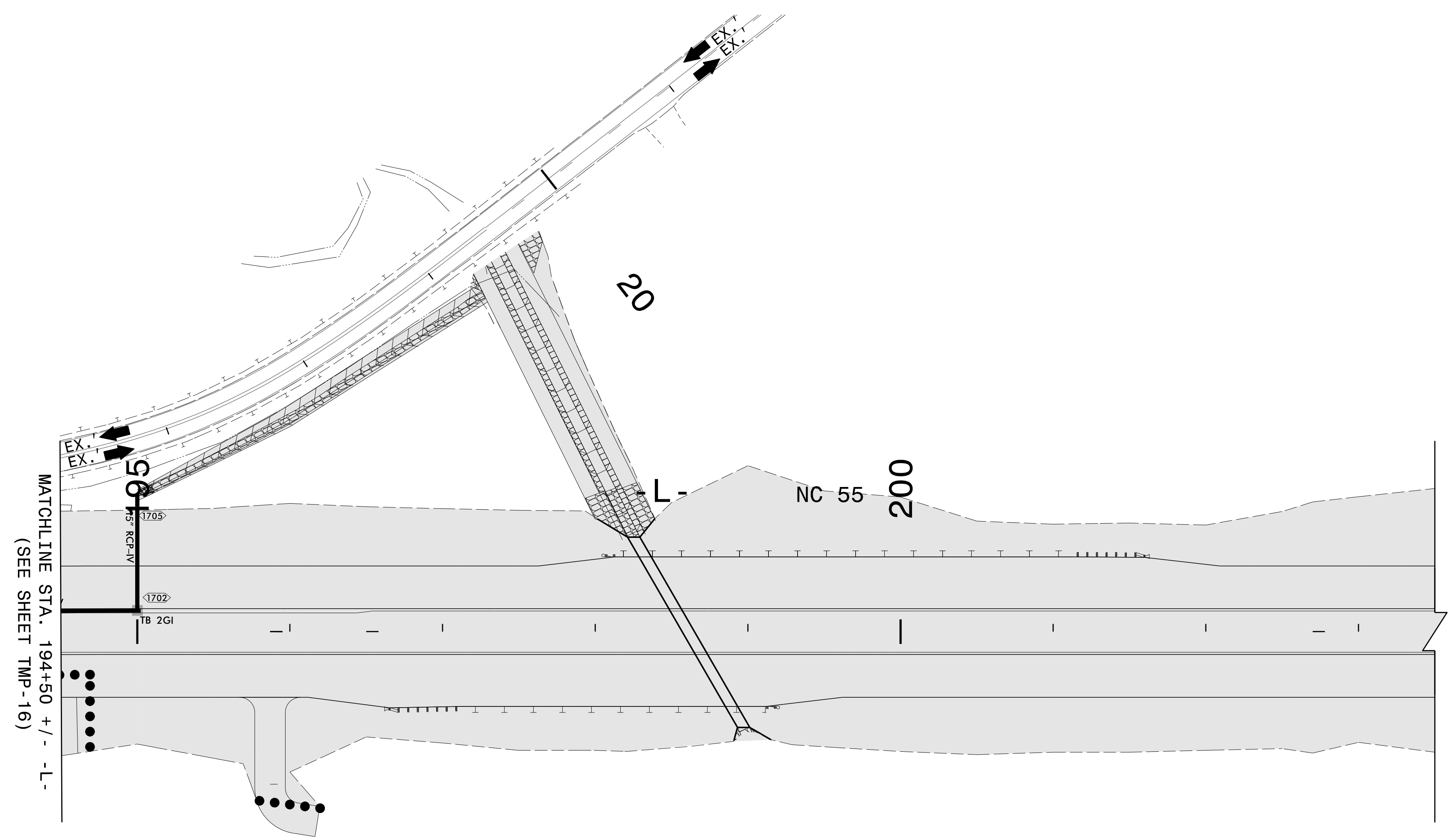
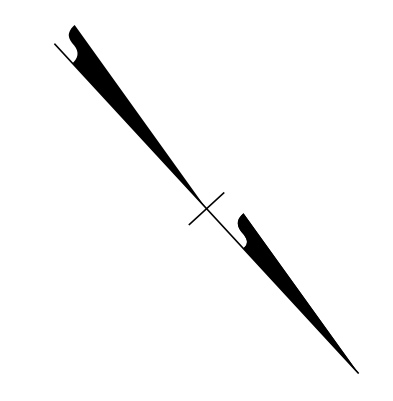


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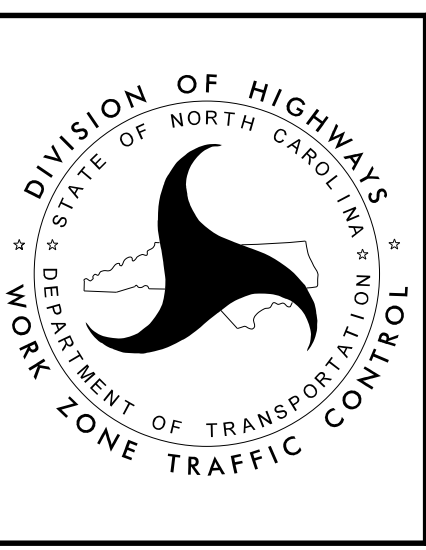
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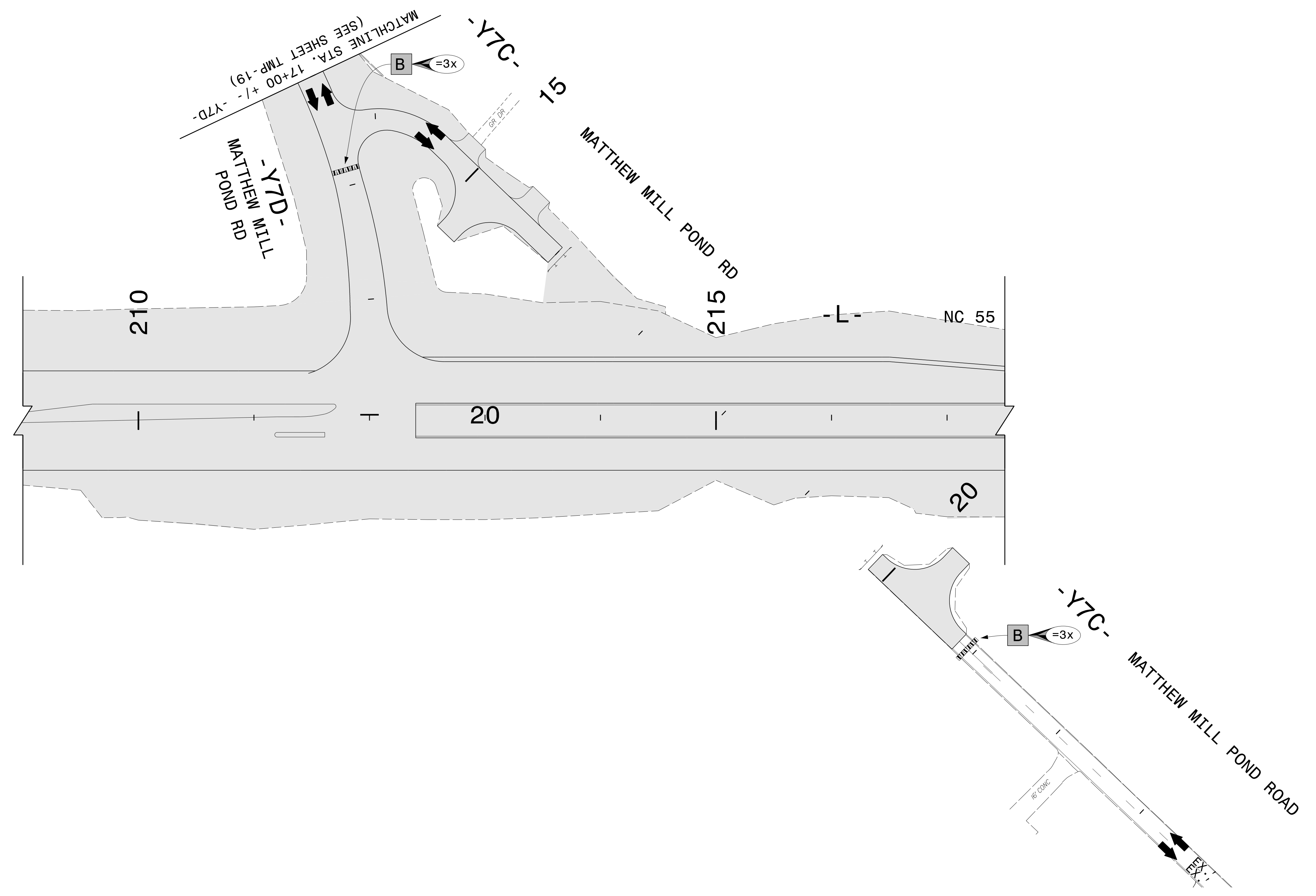
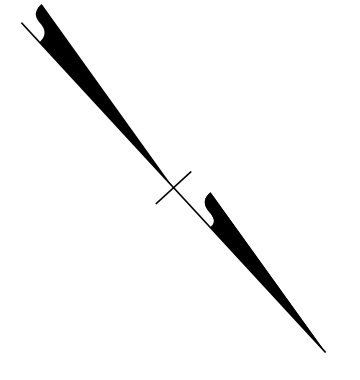
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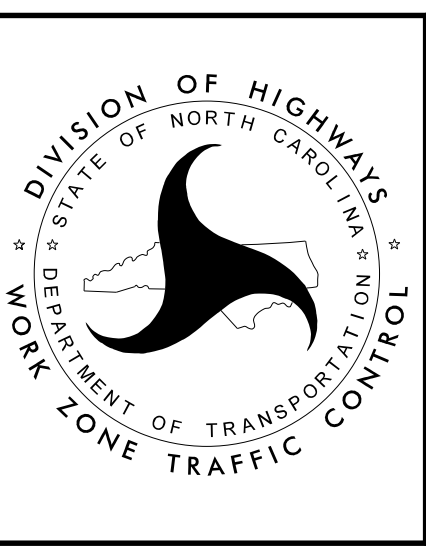
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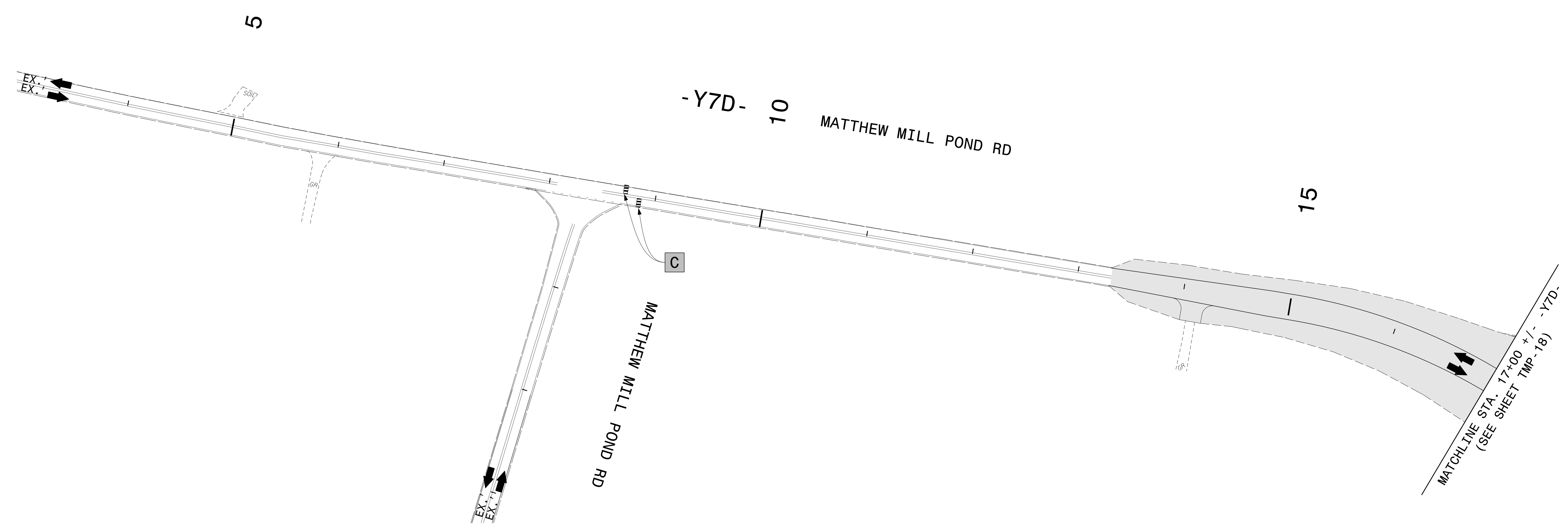
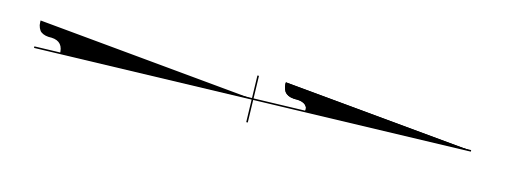
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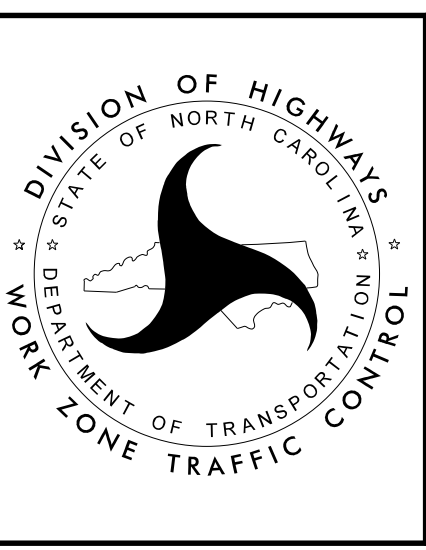
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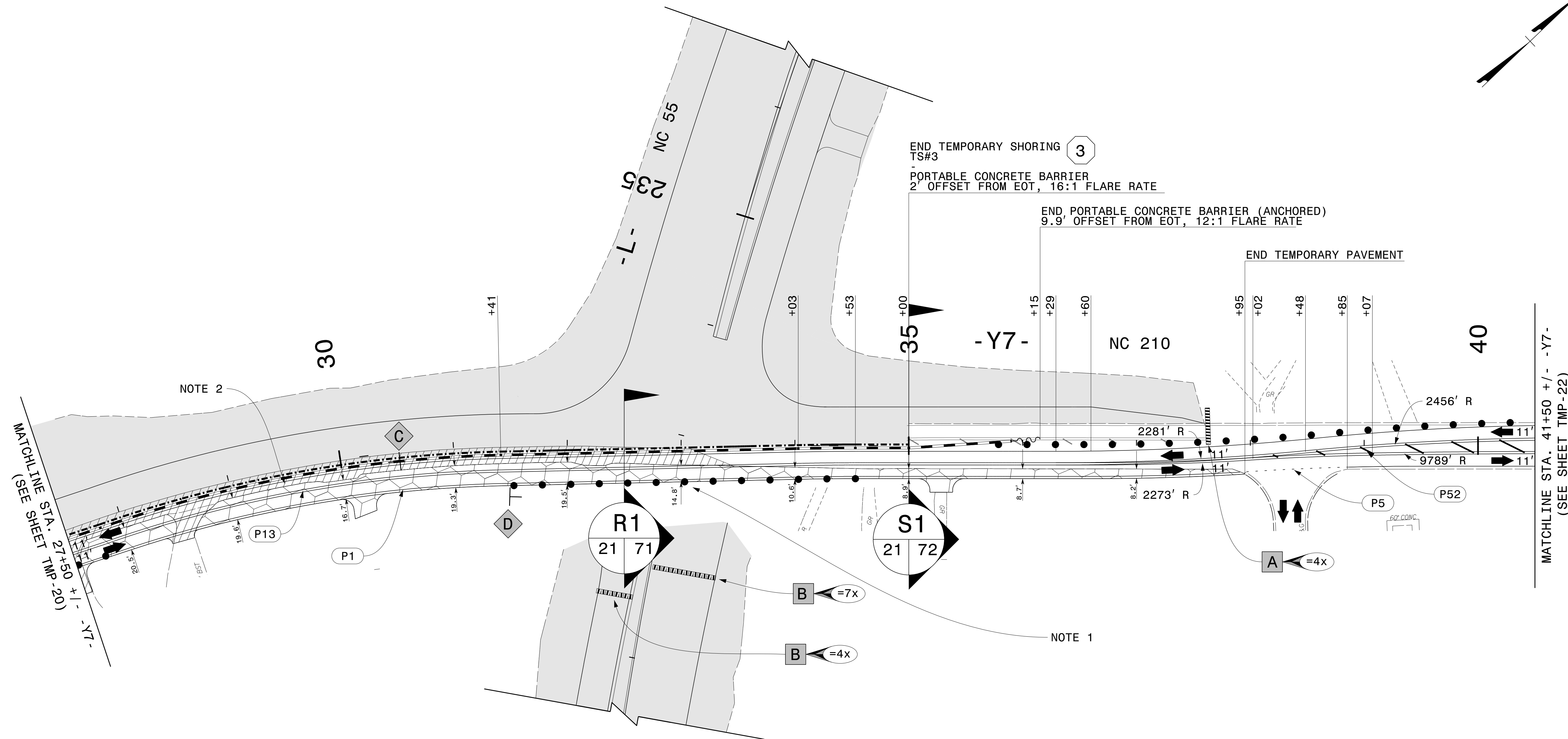
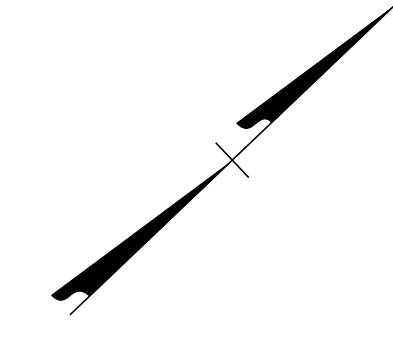
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NOTES:
 1) REMOVE EXISTING PIPE AND INSTALL PROPOSED PIPE PRIOR TO INSTALLATION OF TEMPORARY SHORING.
 2) WEDGING IS FOR POSITIVE DRAINAGE. SEE ROADWAY PLANS.

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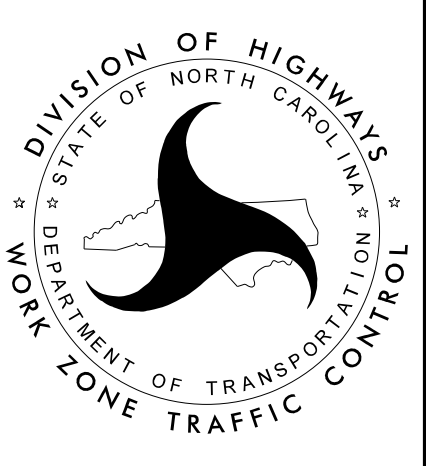
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 CIVIL/SITE DESIGN - GIS/GPS - CONSTRUCTION OBSERVATION

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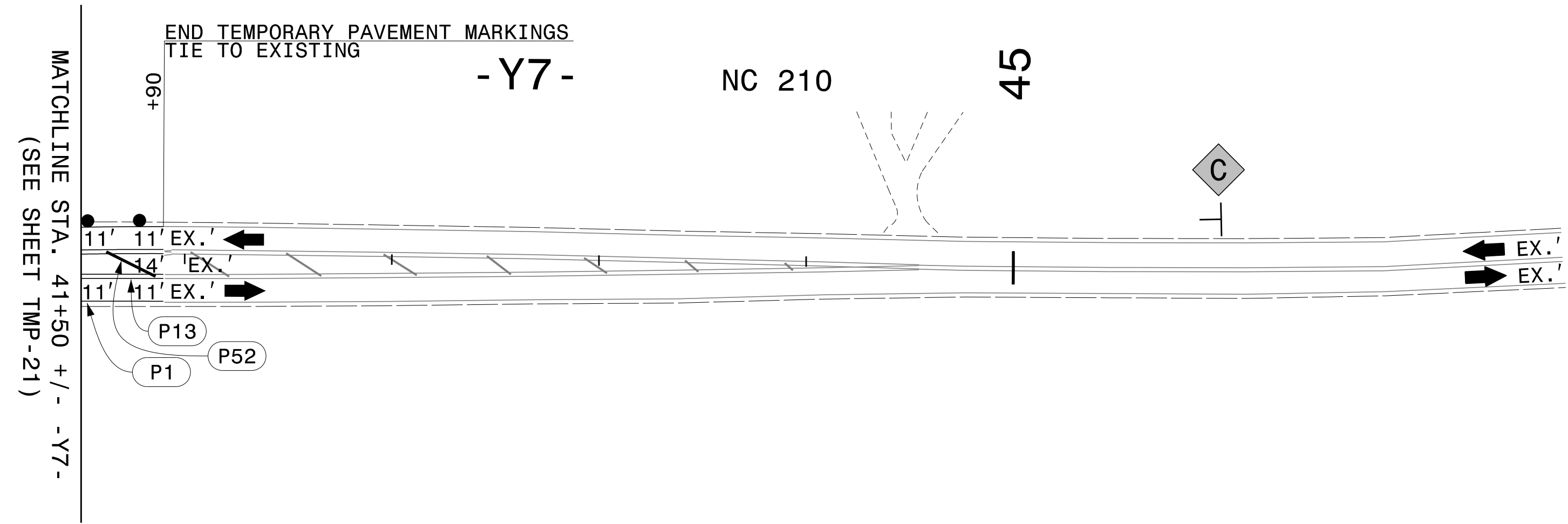
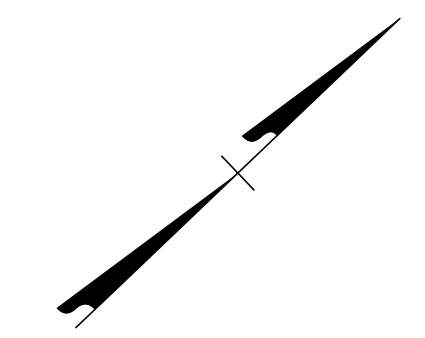
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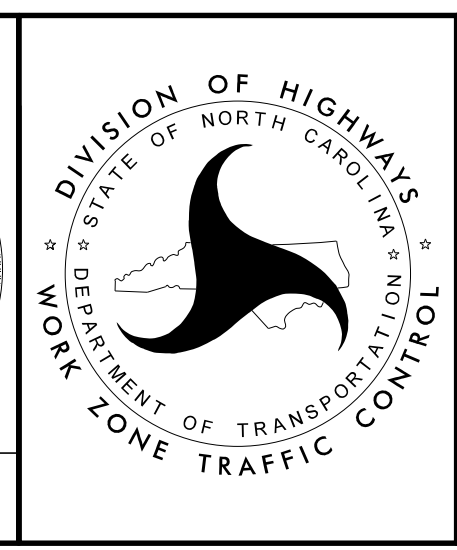
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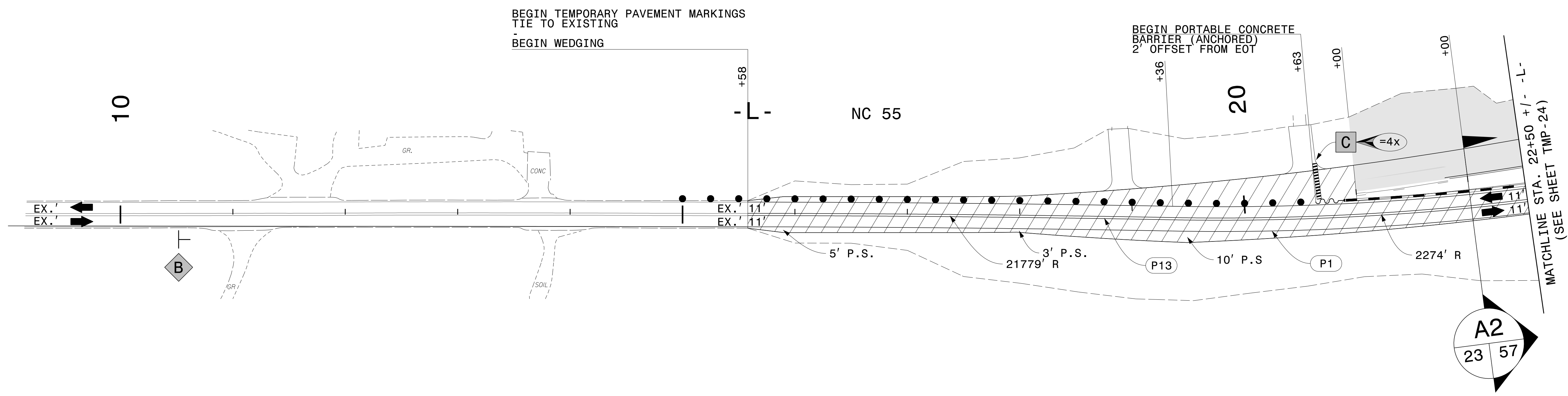
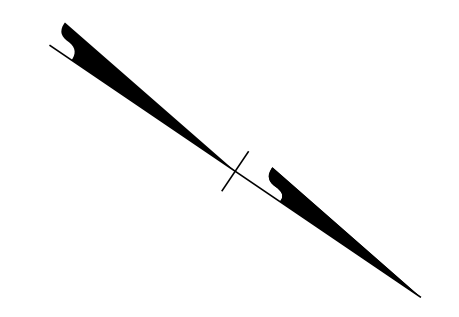
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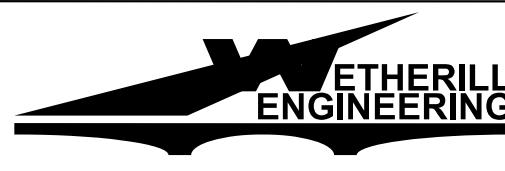


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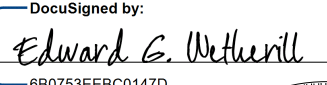


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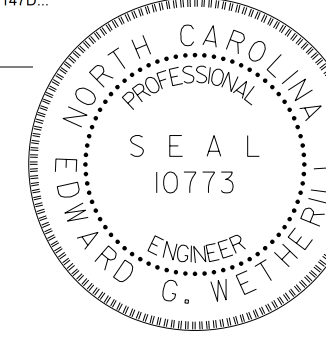
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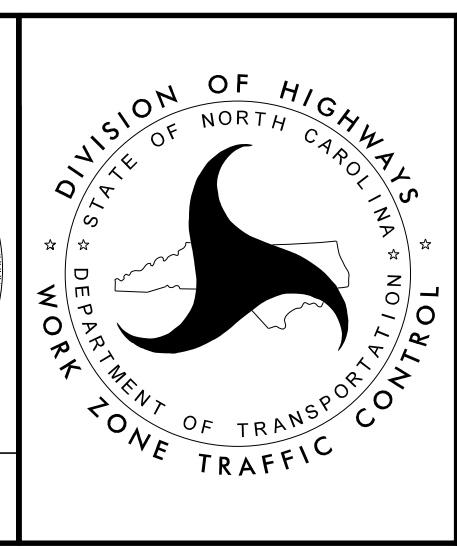
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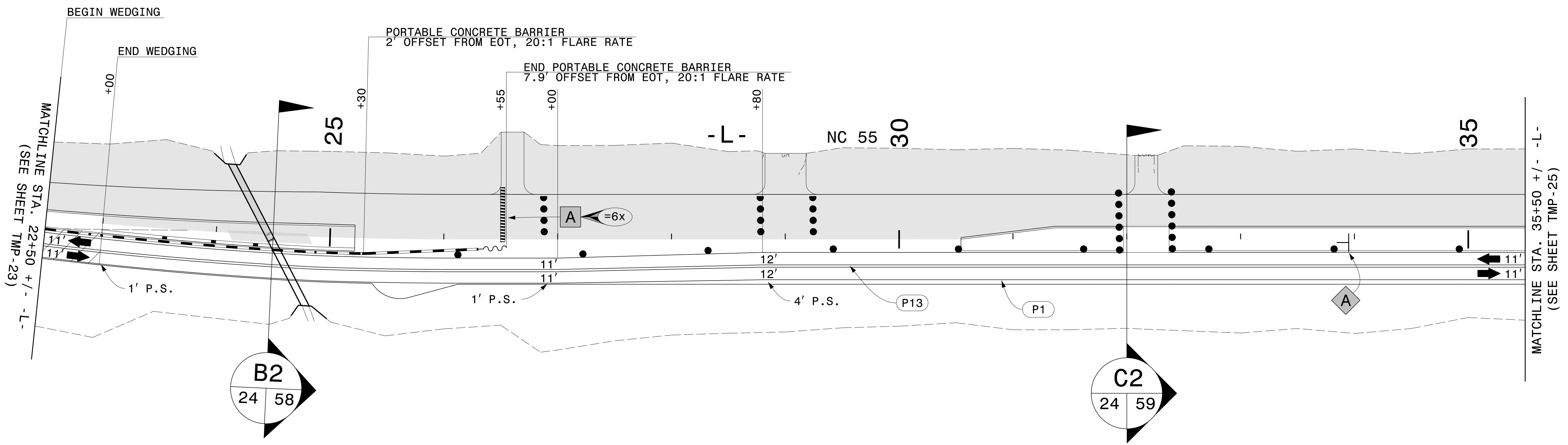
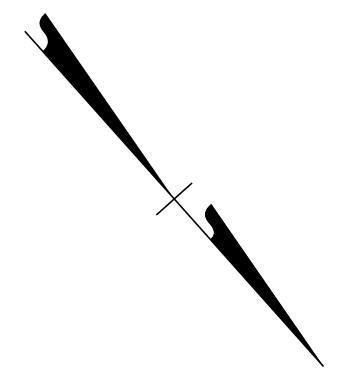
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TRANSPORTATION PLANNING/DESIGN - BRIDGE/STRUCTURE DESIGN
 CIVIL/SITE DESIGN - GIS/GPS - CONSTRUCTION OBSERVATION

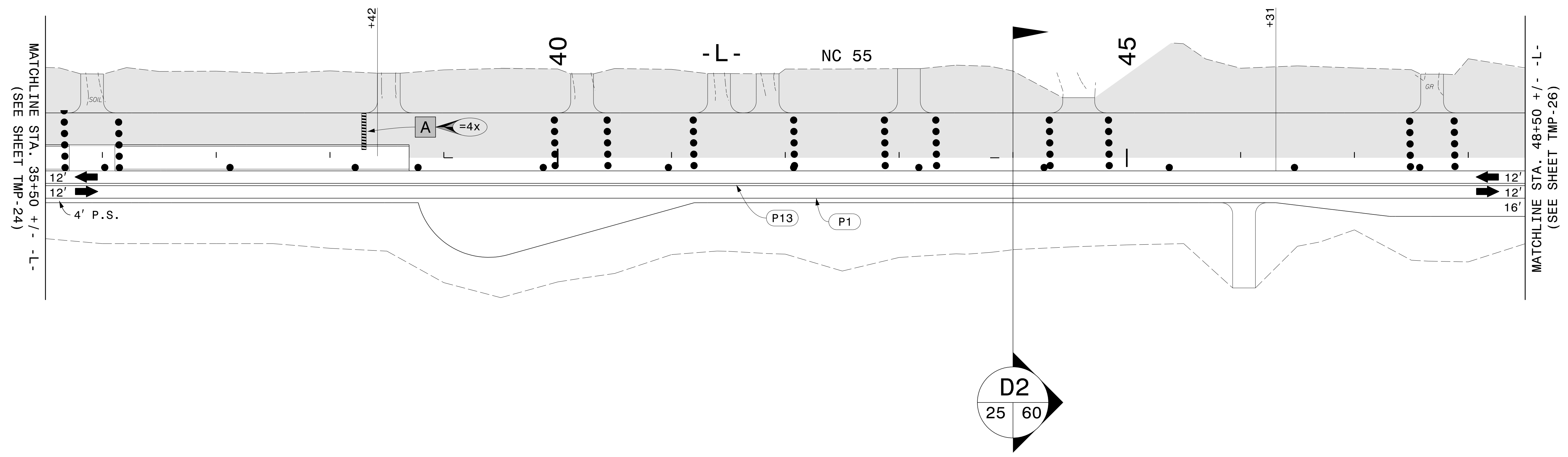
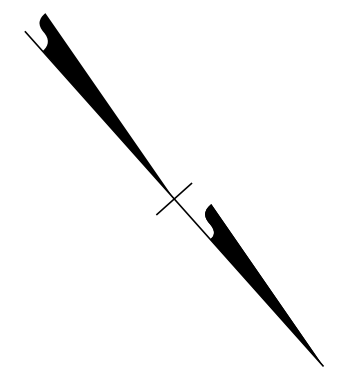
APPROVED: *Edward G. Wetherill*
ED0753EE8C0147D...
 DATE: 8/10/2023

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PHASE II DETAIL

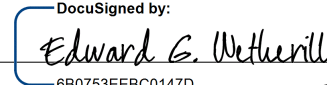
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R-5705A	TMP-25



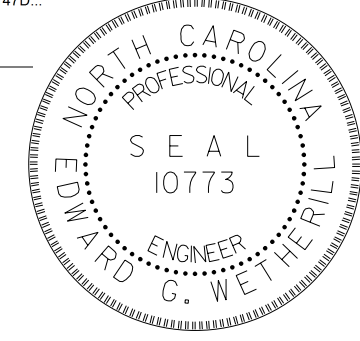
8/10/2023
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 User: AHayes

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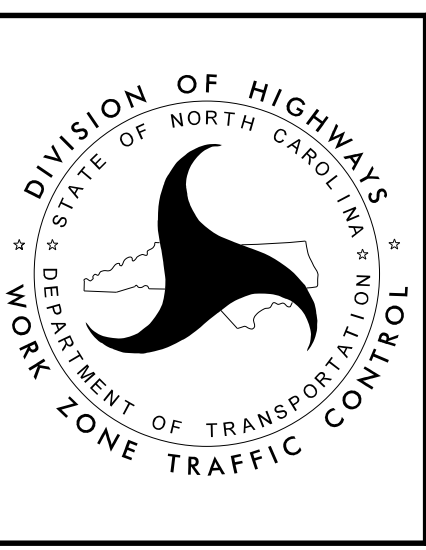
TRANSPORTATION PLANNING/DESIGN - BRIDGE/STRUCTURE DESIGN
 CIVIL/SITE DESIGN - GIS/GPS - CONSTRUCTION OBSERVATION

APPROVED: 
DocuSigned by:
Edward G. Wetherill
660753EE8C0147D

DATE: 8/10/2023

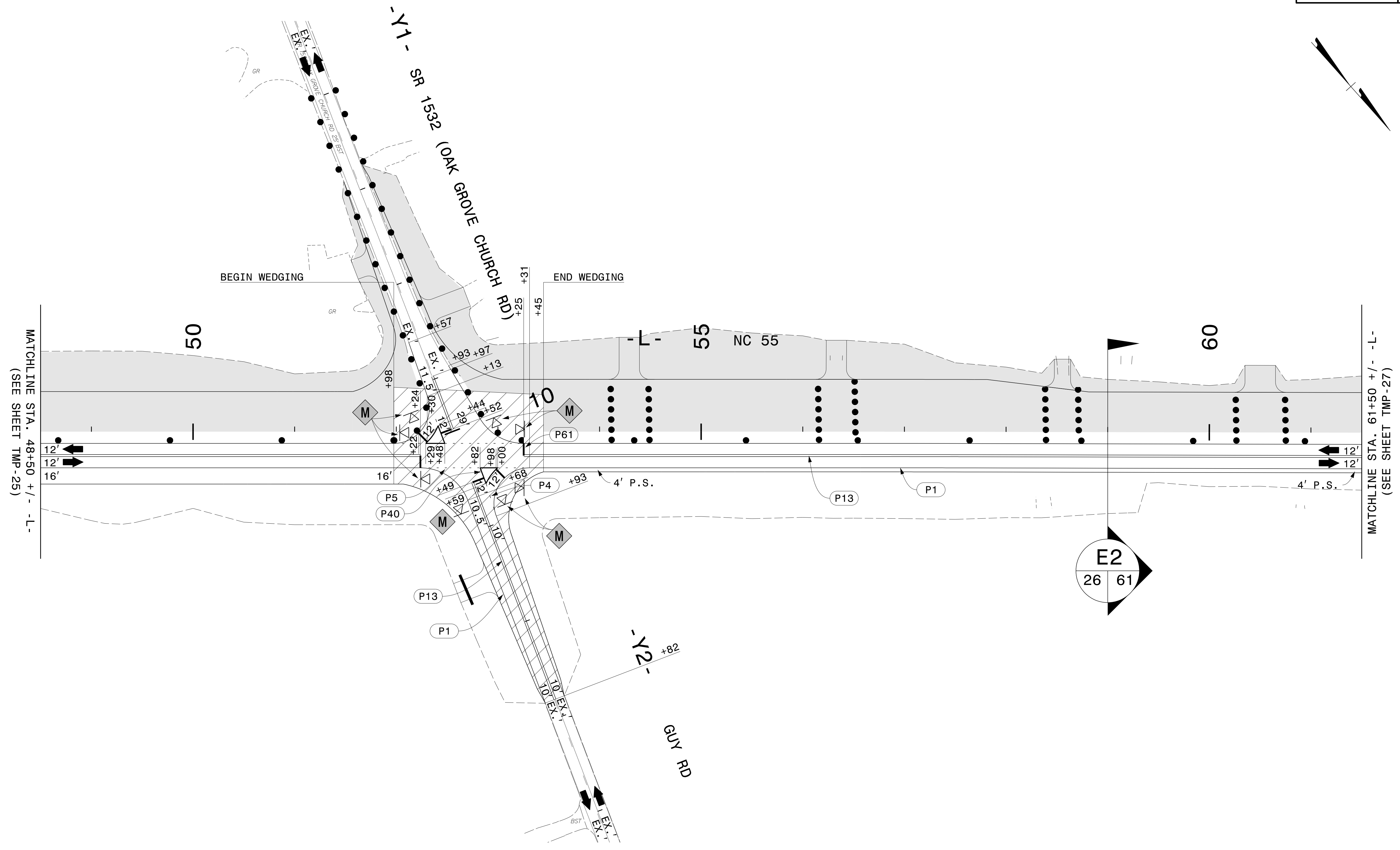


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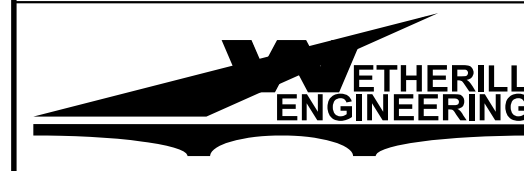


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PROJ. REFERENCE NO.	SHEET NO.
R-5705A	TMP-26



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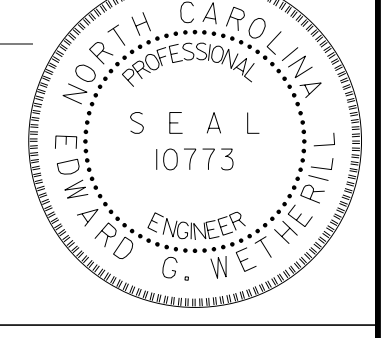


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TRANSPORTATION PLANNING/DESIGN - BRIDGE/STRUCTURE DESIGN
 CIVIL/SITE DESIGN - GIS/GPS - CONSTRUCTION OBSERVATION

APPROVED: *Edward G. Wetherill*
680753E8BC0147D...

DATE: 8/10/2023

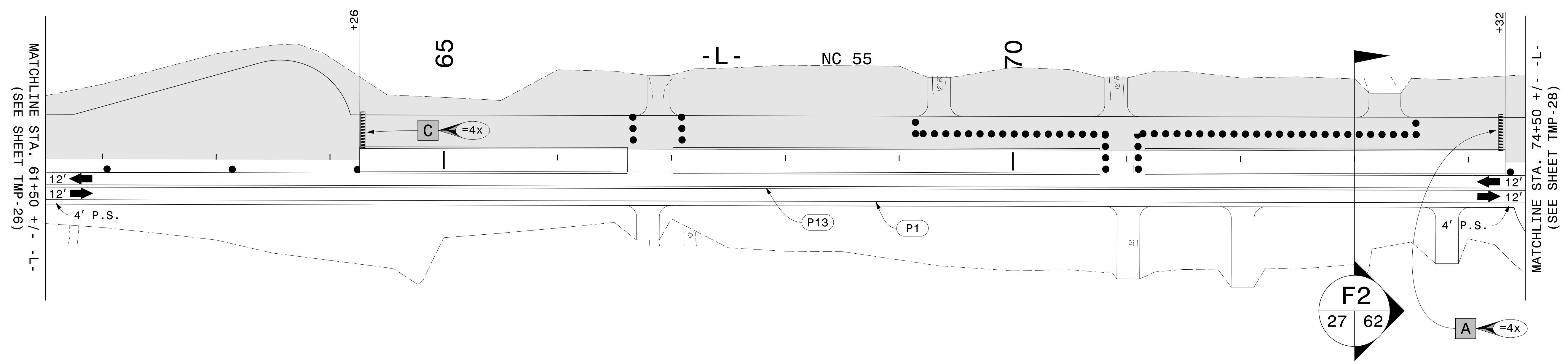
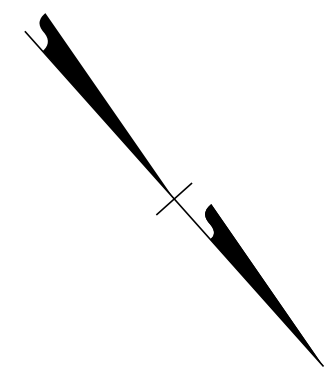


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R-5705A	TMP-27



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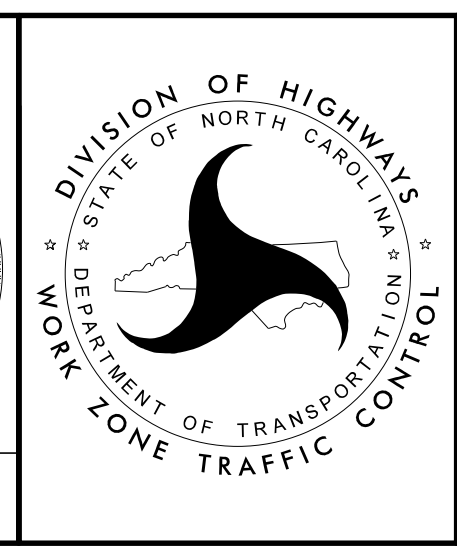
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 CIVIL/SITE DESIGN - GIS/GPS - CONSTRUCTION OBSERVATION

APPROVED: *Edward G. Wetherill*
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DATE: 8/10/2023

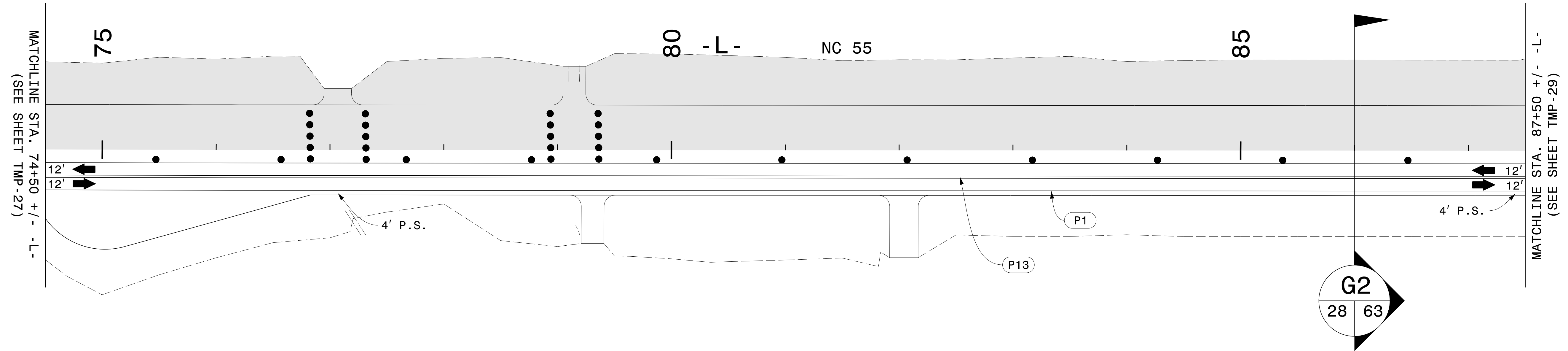
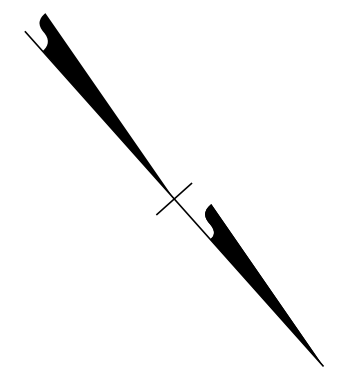
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 EDWARD G. WETHERILL
 10773

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PHASE II DETAIL

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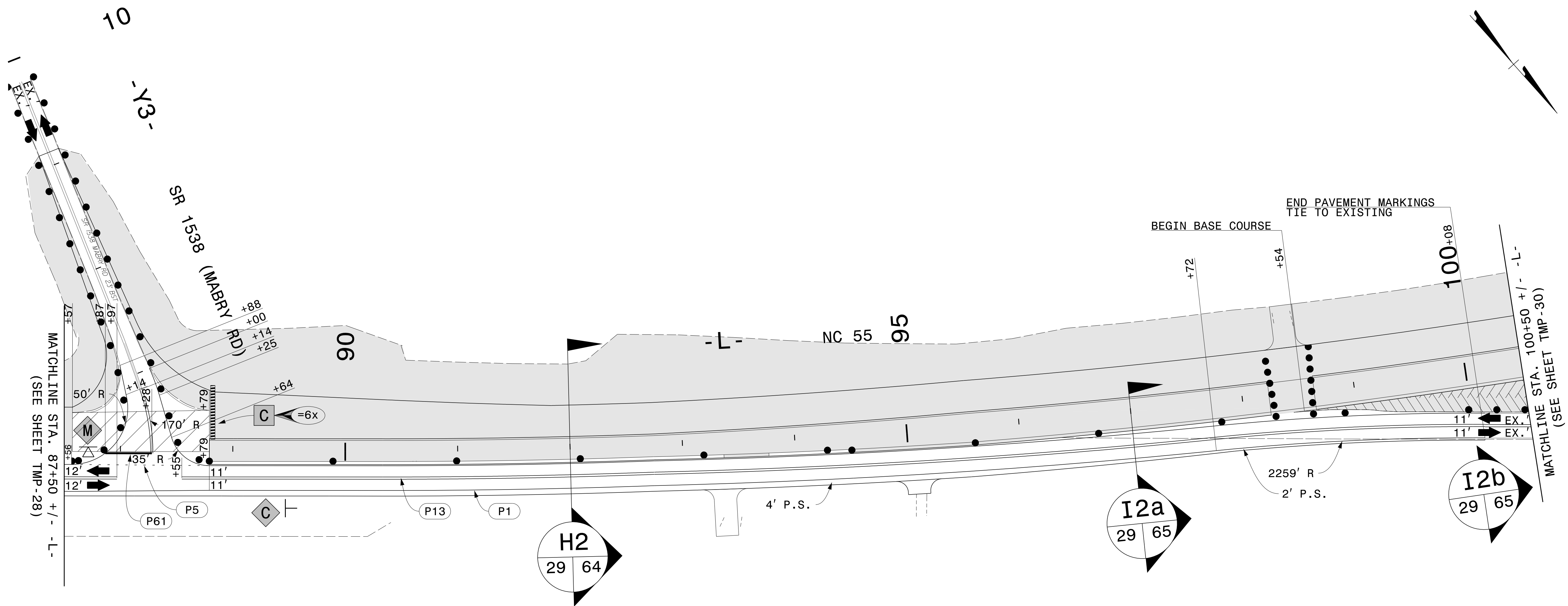
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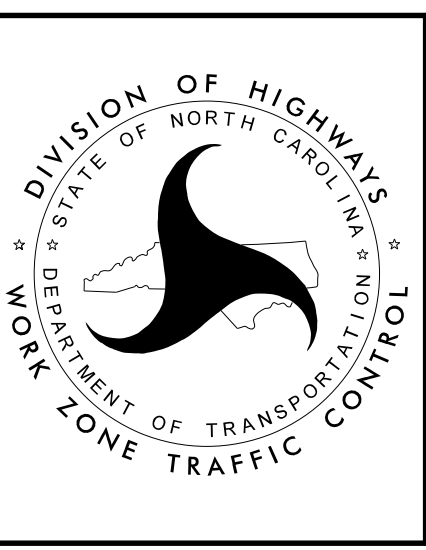
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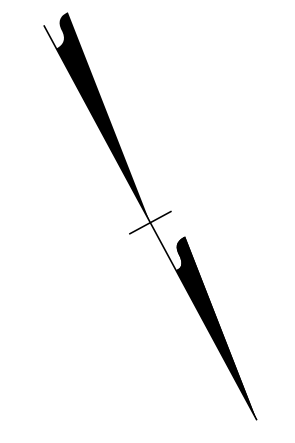
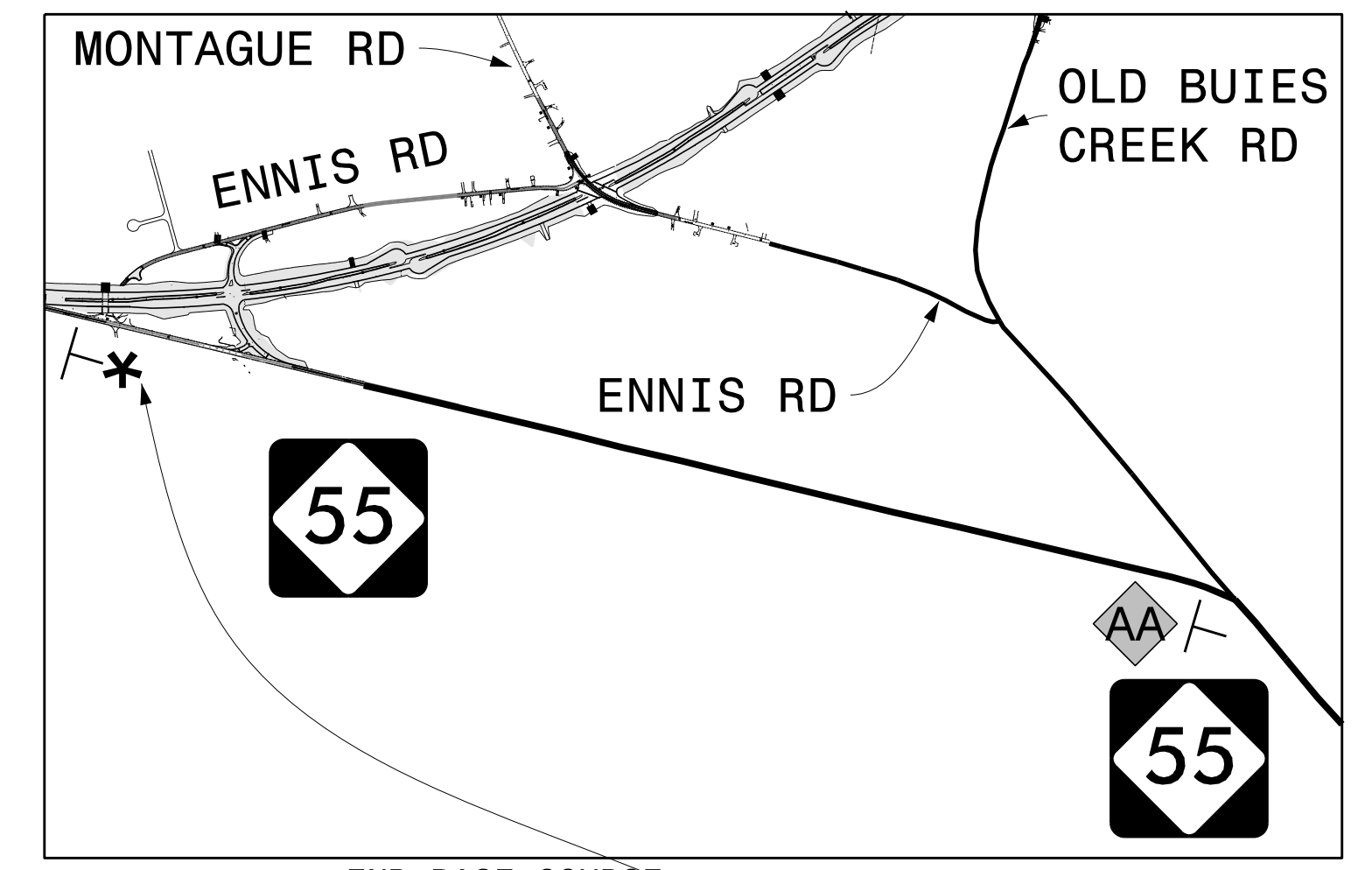
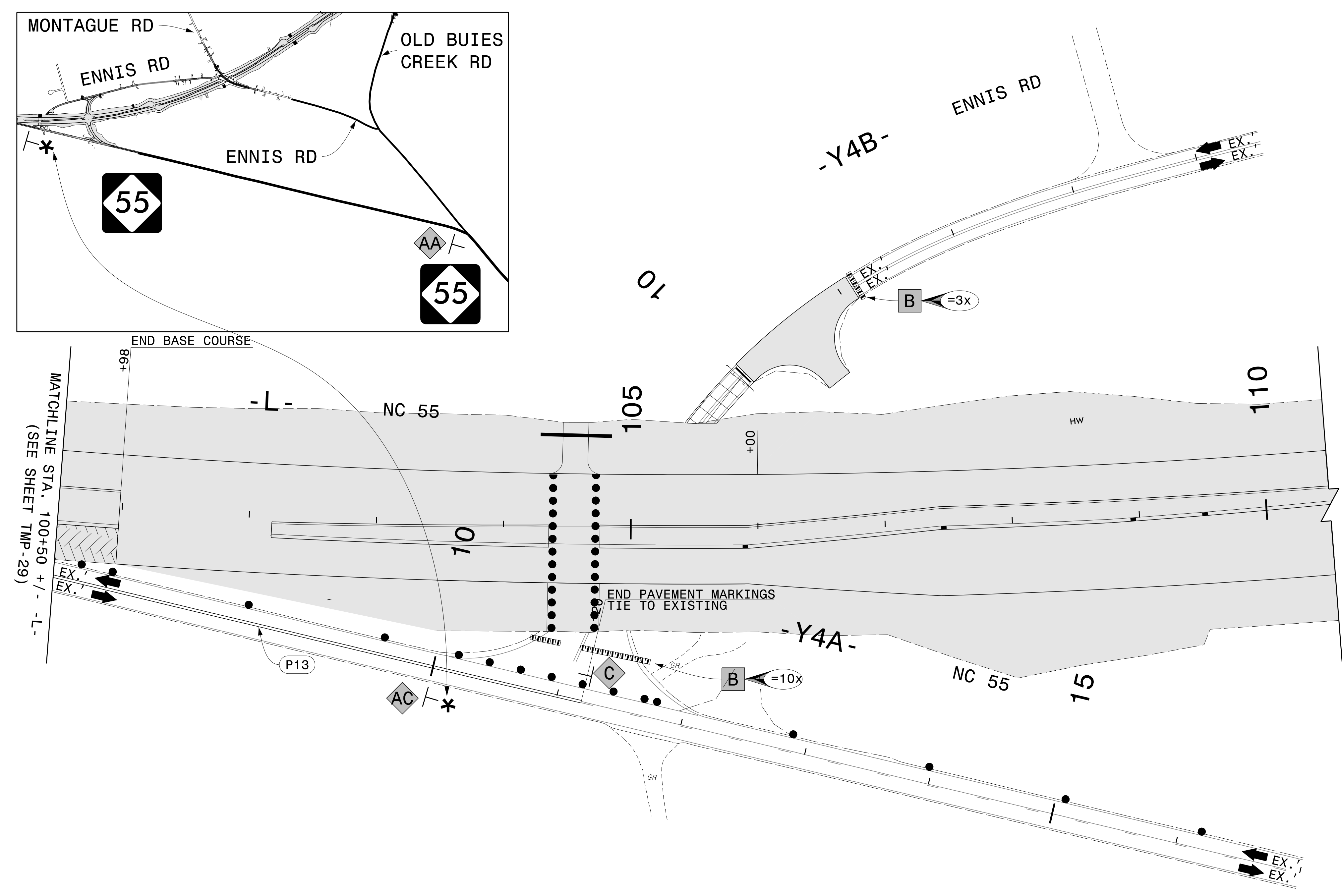
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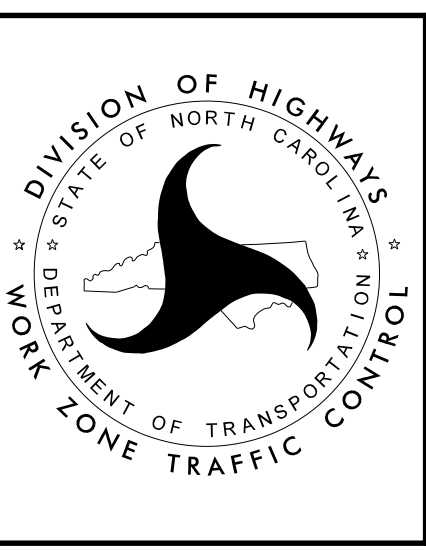
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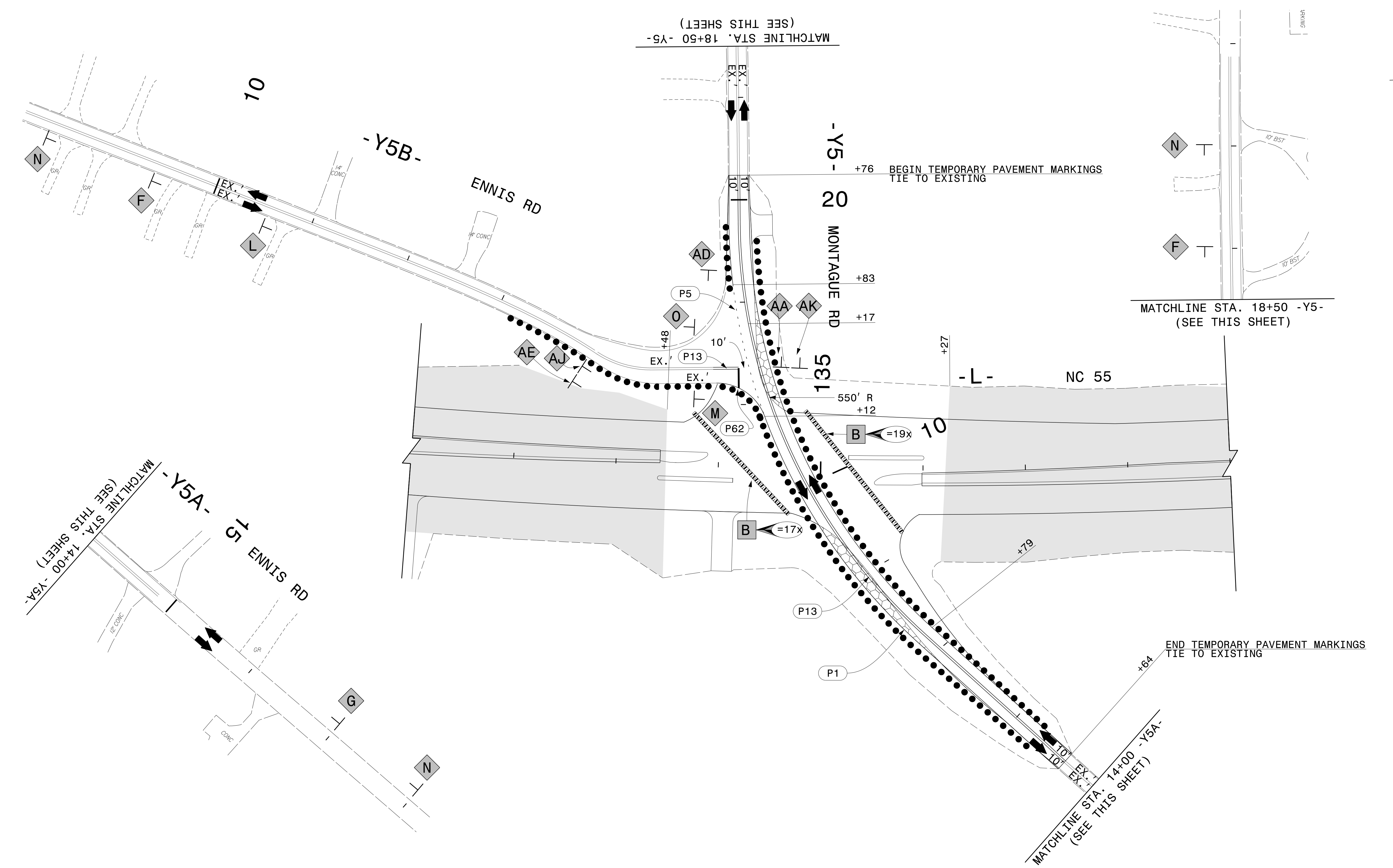
TRANSPORTATION PLANNING/DESIGN - BRIDGE/STRUCTURE DESIGN
 CIVIL/SITE DESIGN - GIS/GPS - CONSTRUCTION OBSERVATION

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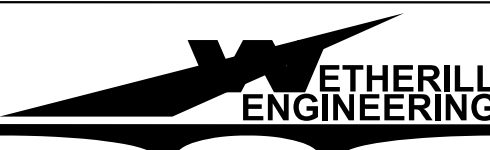


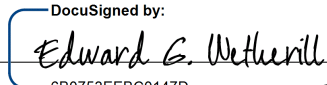
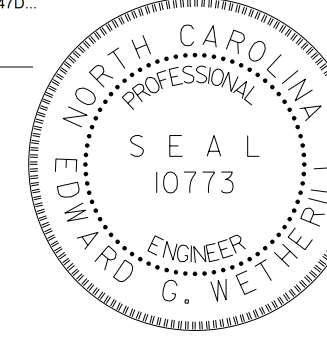
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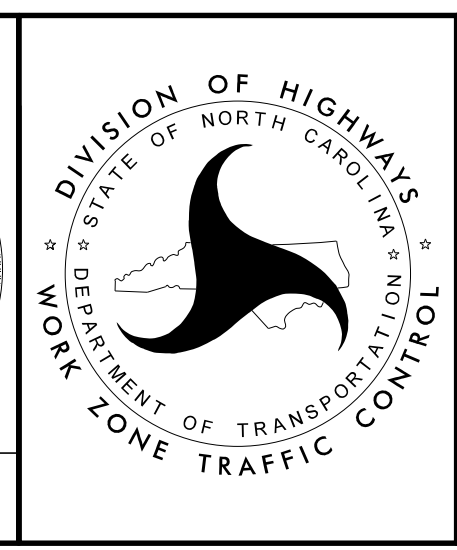


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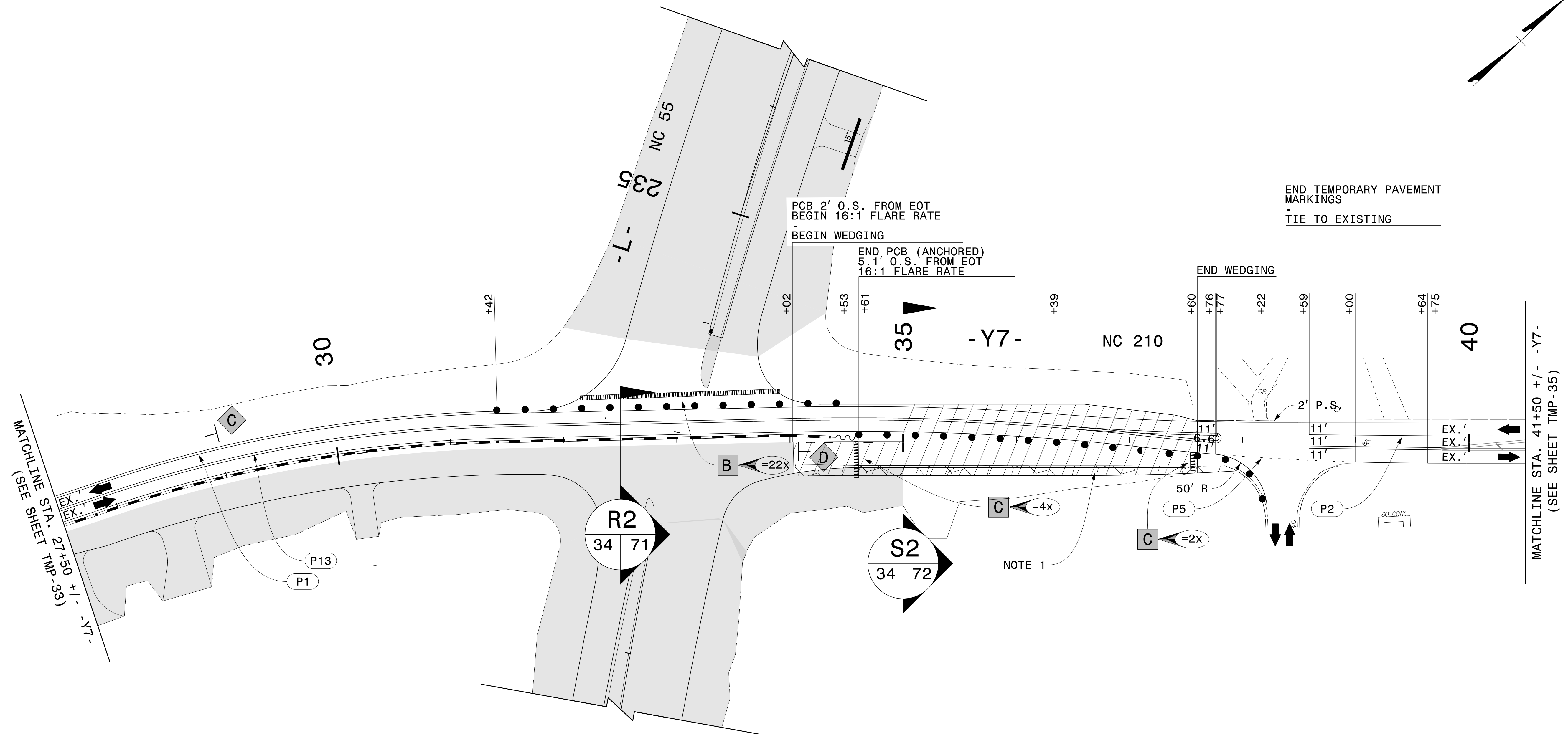
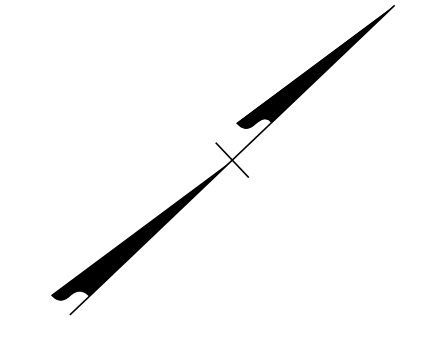
MATCHLINE STA. 14+00 -Y5A- (SEE THIS SHEET)
 ENNIS RD
 MATCHLINE STA. 18+50 -Y5- (SEE THIS SHEET)


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APPROVED: 
 DATE: 8/10/2023

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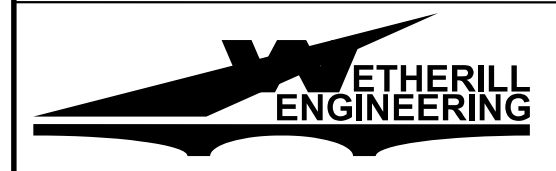


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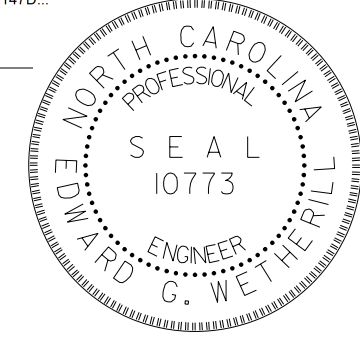
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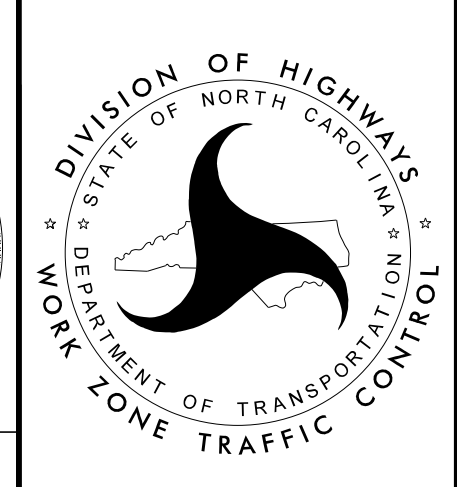
1223 Jones Franklin Rd.
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TRANSPORTATION PLANNING/DESIGN - BRIDGE/STRUCTURE DESIGN
CIVIL/SITE DESIGN - GIS/GPS - CONSTRUCTION OBSERVATION

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DATE: 8/10/2023



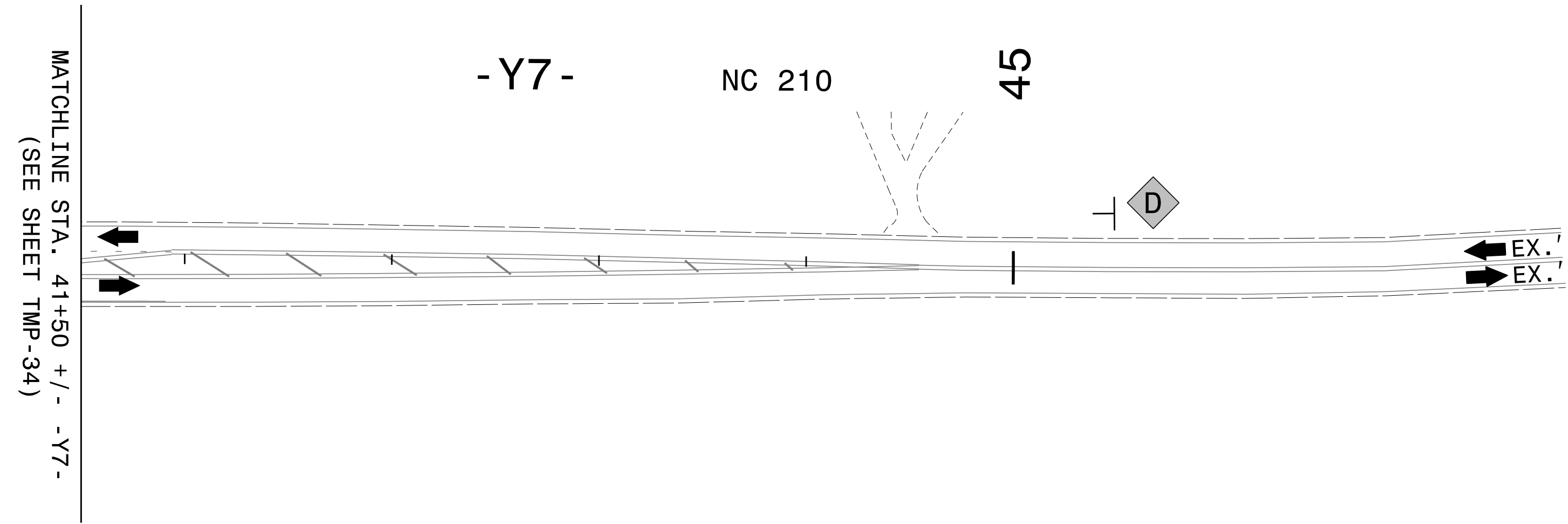
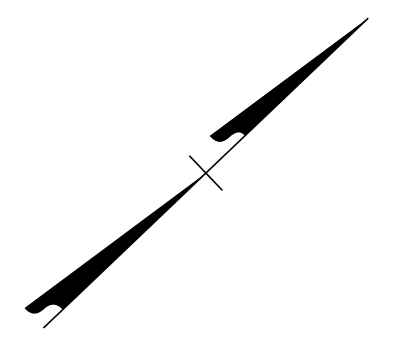
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PHASE II DETAIL

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PROJ. REFERENCE NO.	SHEET NO.
R-5705A	TMP-35

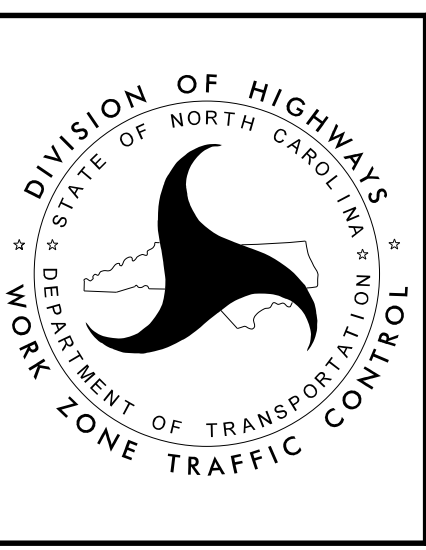


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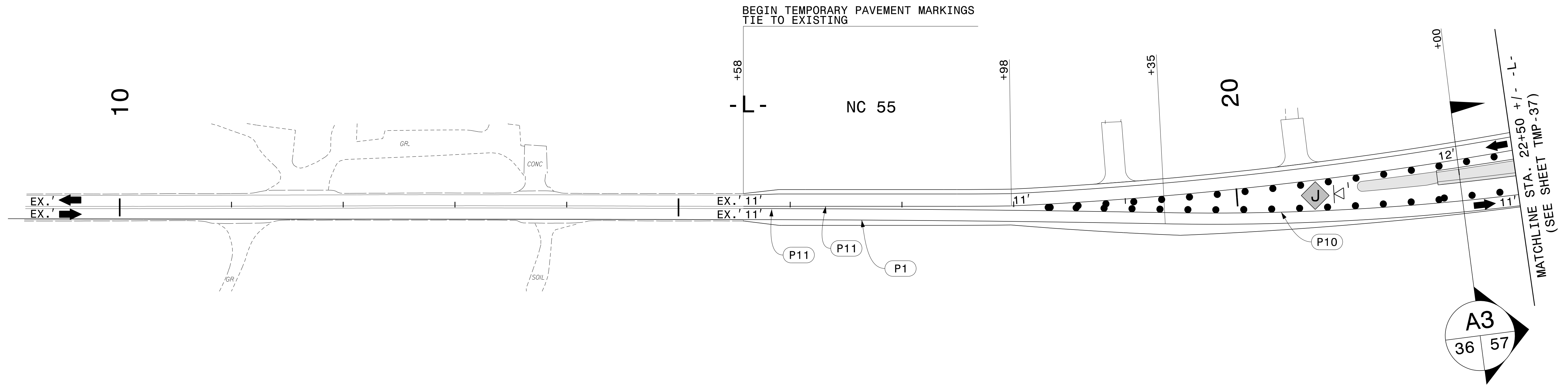
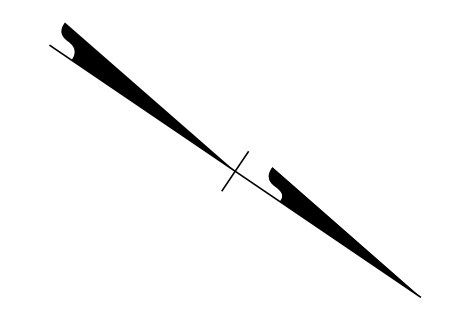
**WETHERILL
ENGINEERING**
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 License No. F-0377
 Bus: 919 851 8077
 Fax: 919 851 8107
 TRANSPORTATION PLANNING/DESIGN - BRIDGE/STRUCTURE DESIGN
 CIVIL/SITE DESIGN - GIS/GPS - CONSTRUCTION OBSERVATION

APPROVED: *Edward G. Wetherill*
DocuSigned by:
Edward G. Wetherill
68075EE8C0147D
 DATE: 8/10/2023

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PHASE II DETAIL



NOTES:

- 1) SEE FINAL PAVEMENT MARKINGS FOR ALL LANE WIDTHS, PM LABELS, AND STATIONS UNLESS OTHERWISE NOTED ON TMP.
- 2) ALL MARKINGS SHALL BE PAINT UNLESS OTHERWISE NOTED ON TMP.

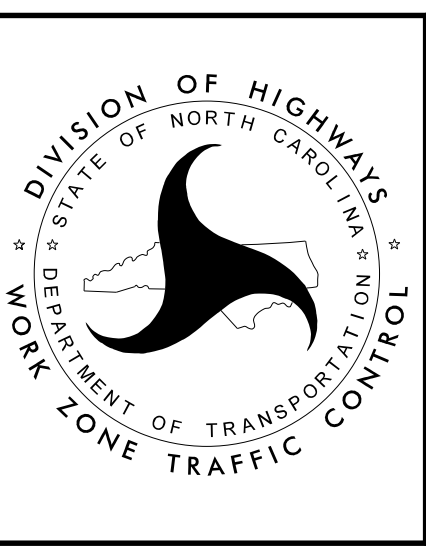
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TRANSPORTATION PLANNING/DESIGN - BRIDGE/STRUCTURE DESIGN
CIVIL/SITE DESIGN - GIS/GPS - CONSTRUCTION OBSERVATION

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680753EEBC5147D

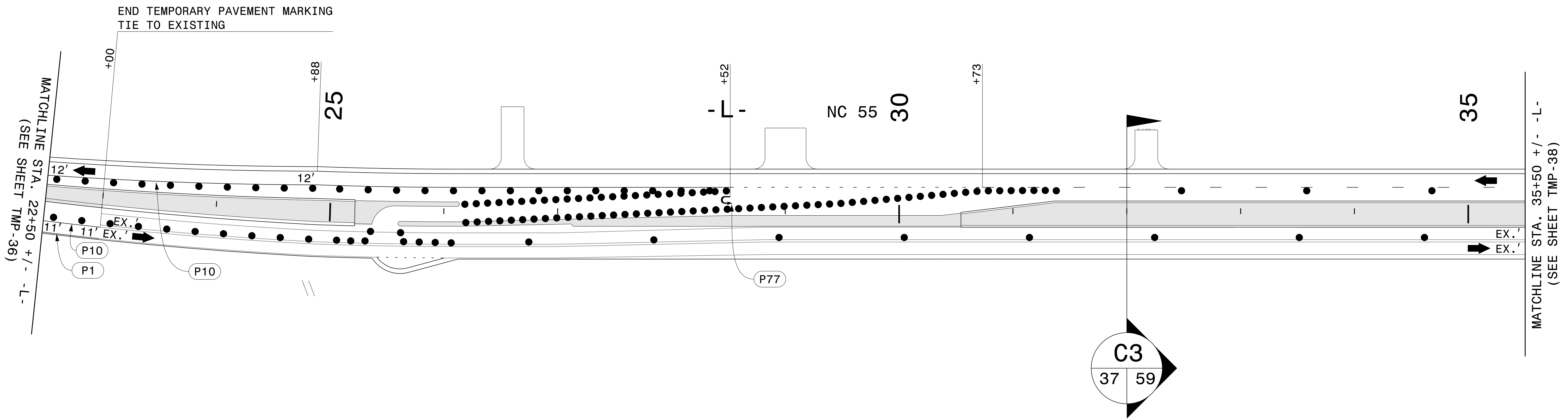
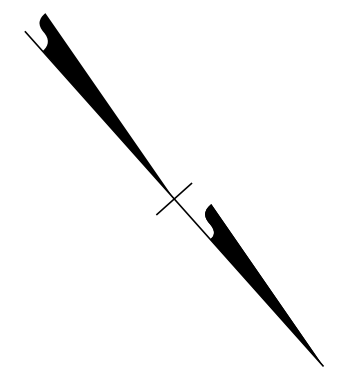
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PHASE III DETAIL

8/10/2023
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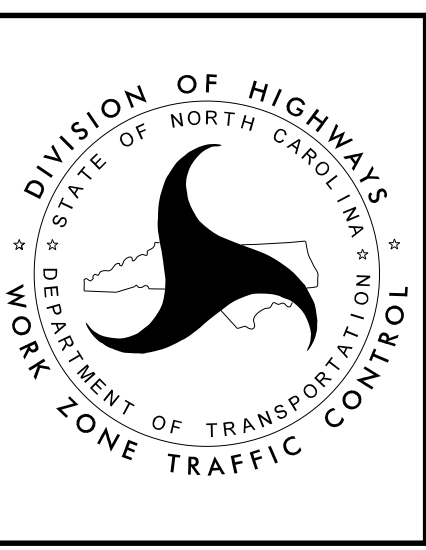
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- 2) ALL MARKINGS SHALL BE PAINT UNLESS OTHERWISE NOTED ON TMP.

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 CIVIL/SITE DESIGN - GIS/GPS - CONSTRUCTION OBSERVATION

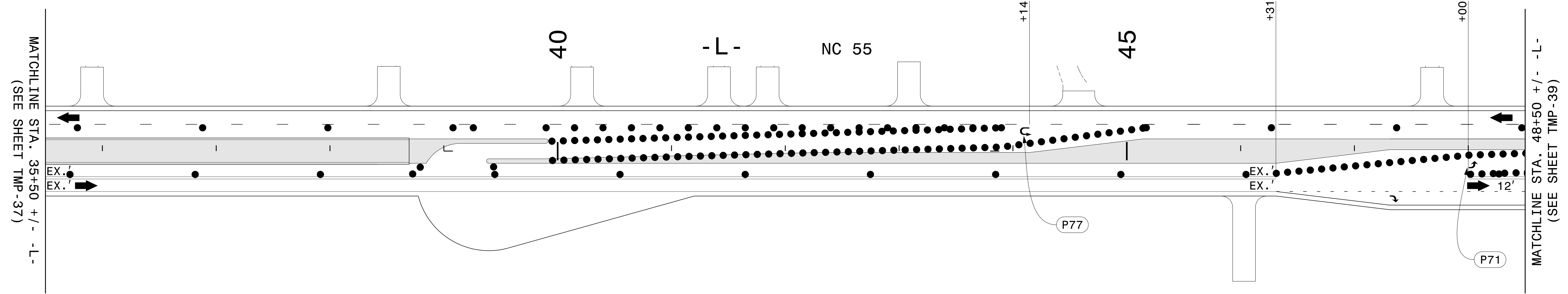
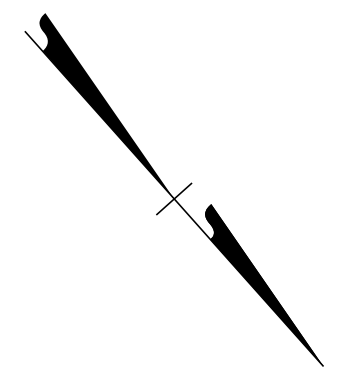
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 DATE: 8/10/2023

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PHASE III DETAIL

PROJ. REFERENCE NO.	SHEET NO.
R-5705A	TMP-38



8/10/2023
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 User: AHayes

- NOTES:**
- 1) SEE FINAL PAVEMENT MARKINGS FOR ALL LANE WIDTHS, PM LABELS, AND STATIONS UNLESS OTHERWISE NOTED ON TMP.
 - 2) ALL MARKINGS SHALL BE PAINT UNLESS OTHERWISE NOTED ON TMP.

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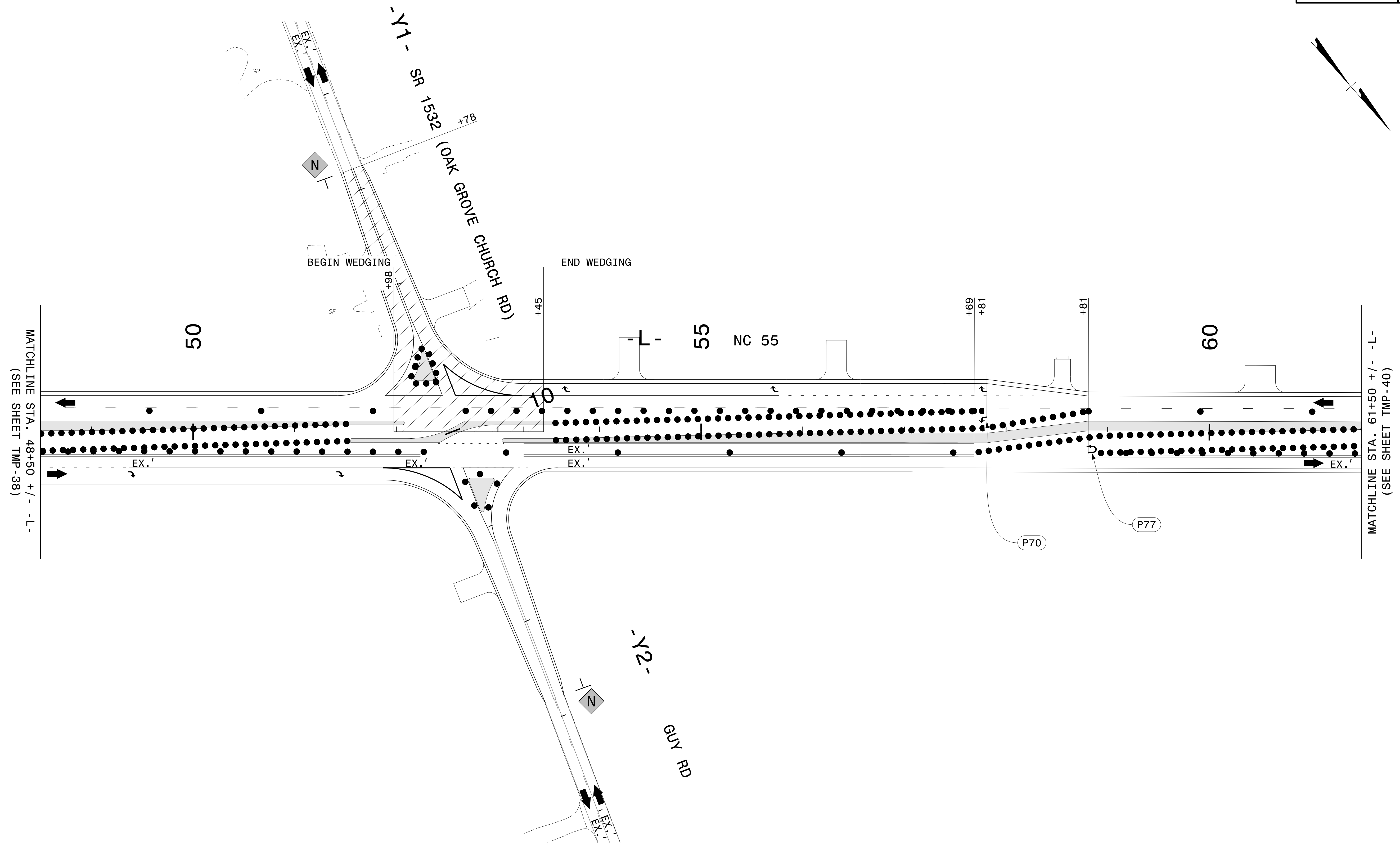
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 CIVIL/SITE DESIGN - GIS/GPS - CONSTRUCTION OBSERVATION

APPROVED: *Edward G. Wetherill*
DocuSigned by:
Edward G. Wetherill
660735EEBC0147D...
 DATE: 8/10/2023

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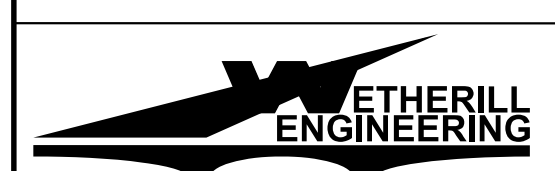


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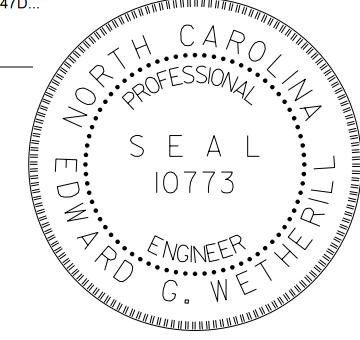
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 - 2) ALL MARKINGS SHALL BE PAINT UNLESS OTHERWISE NOTED ON TMP.
 - 3) REMOVE TEMPORARY SIGNS 'N' NO LATER THAN THE COMPLETION OF PHASE IV, STEP 1E.



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APPROVED: *Edward G. Wetherill*
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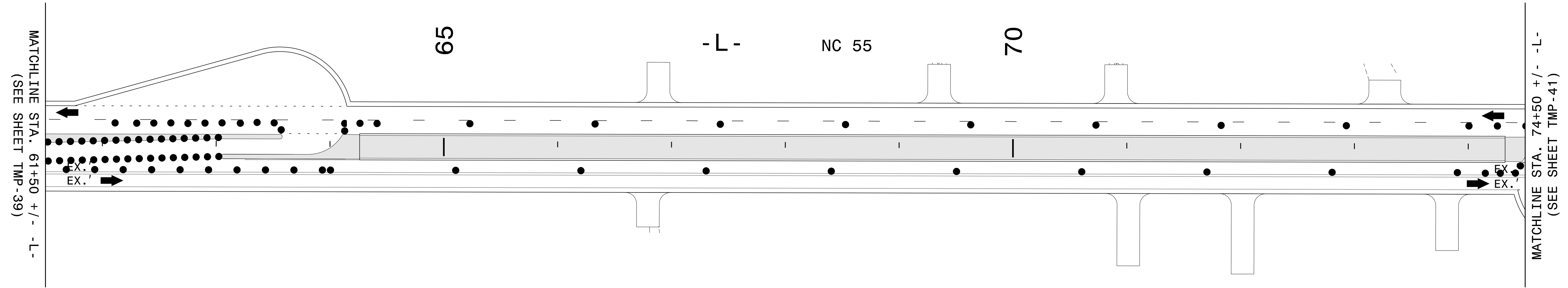
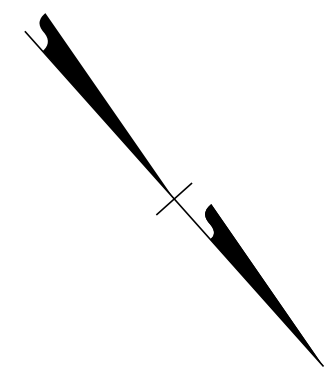


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PHASE III DETAIL

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R-5705A	TMP-40



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 User: AHayes

- NOTES:**
- 1) SEE FINAL PAVEMENT MARKINGS FOR ALL LANE WIDTHS, PM LABELS, AND STATIONS UNLESS OTHERWISE NOTED ON TMP.
 - 2) ALL MARKINGS SHALL BE PAINT UNLESS OTHERWISE NOTED ON TMP.

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APPROVED: *Edward G. Wetherill*
DocuSigned by:
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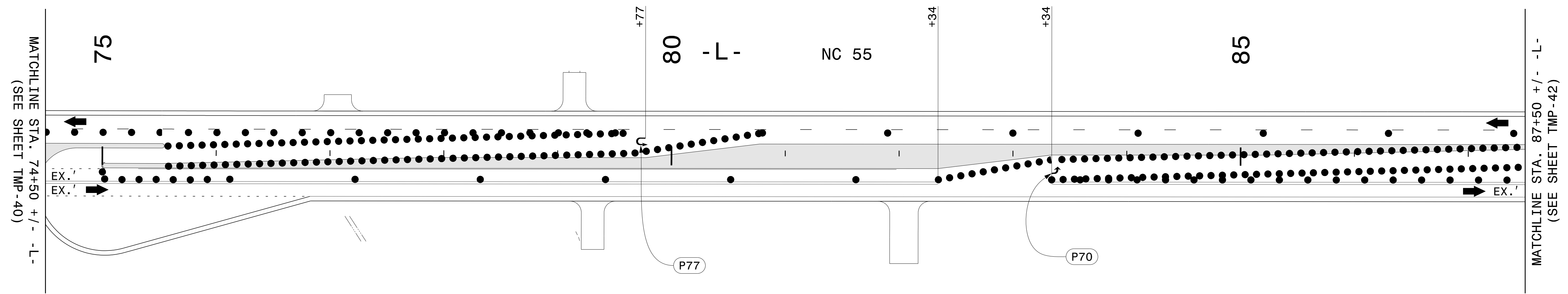
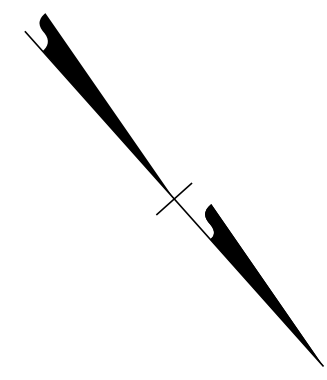
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PHASE III DETAIL

PROJ. REFERENCE NO.	SHEET NO.
R-5705A	TMP-41



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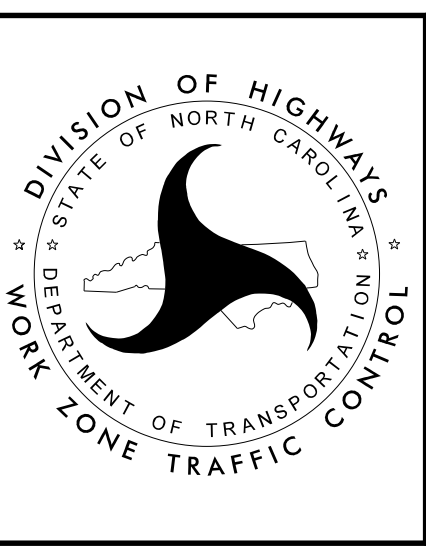
- NOTES:**
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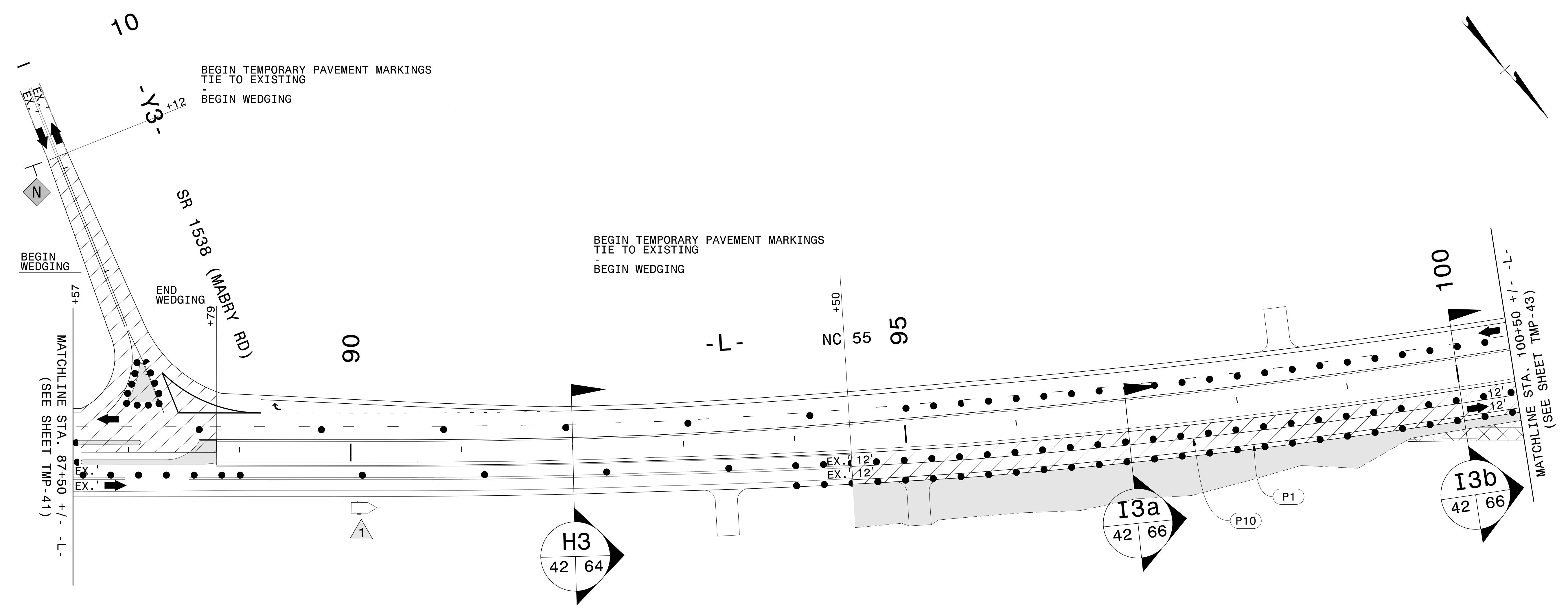
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 CIVIL/SITE DESIGN - GIS/GPS - CONSTRUCTION OBSERVATION

APPROVED: *Edward G. Wetherill*
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PHASE III DETAIL



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 - 3) REMOVE TEMPORARY SIGN 'N' NO LATER THAN THE COMPLETION OF PHASE IV, STEP 1E.

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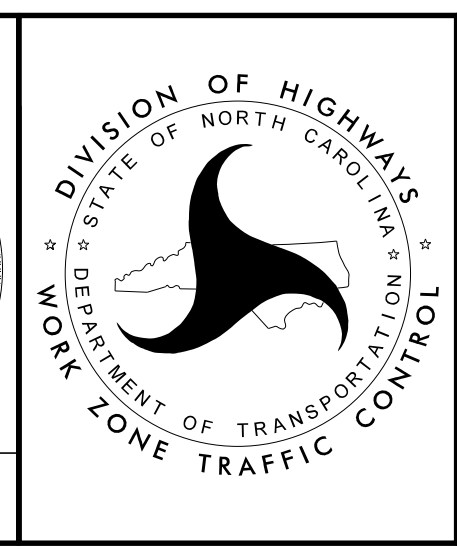
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DATE: 8/10/2023

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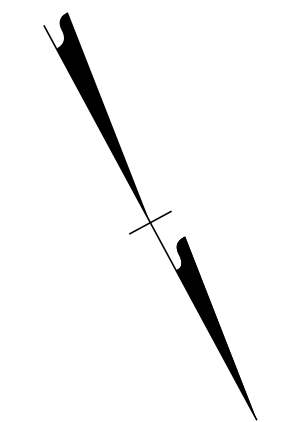
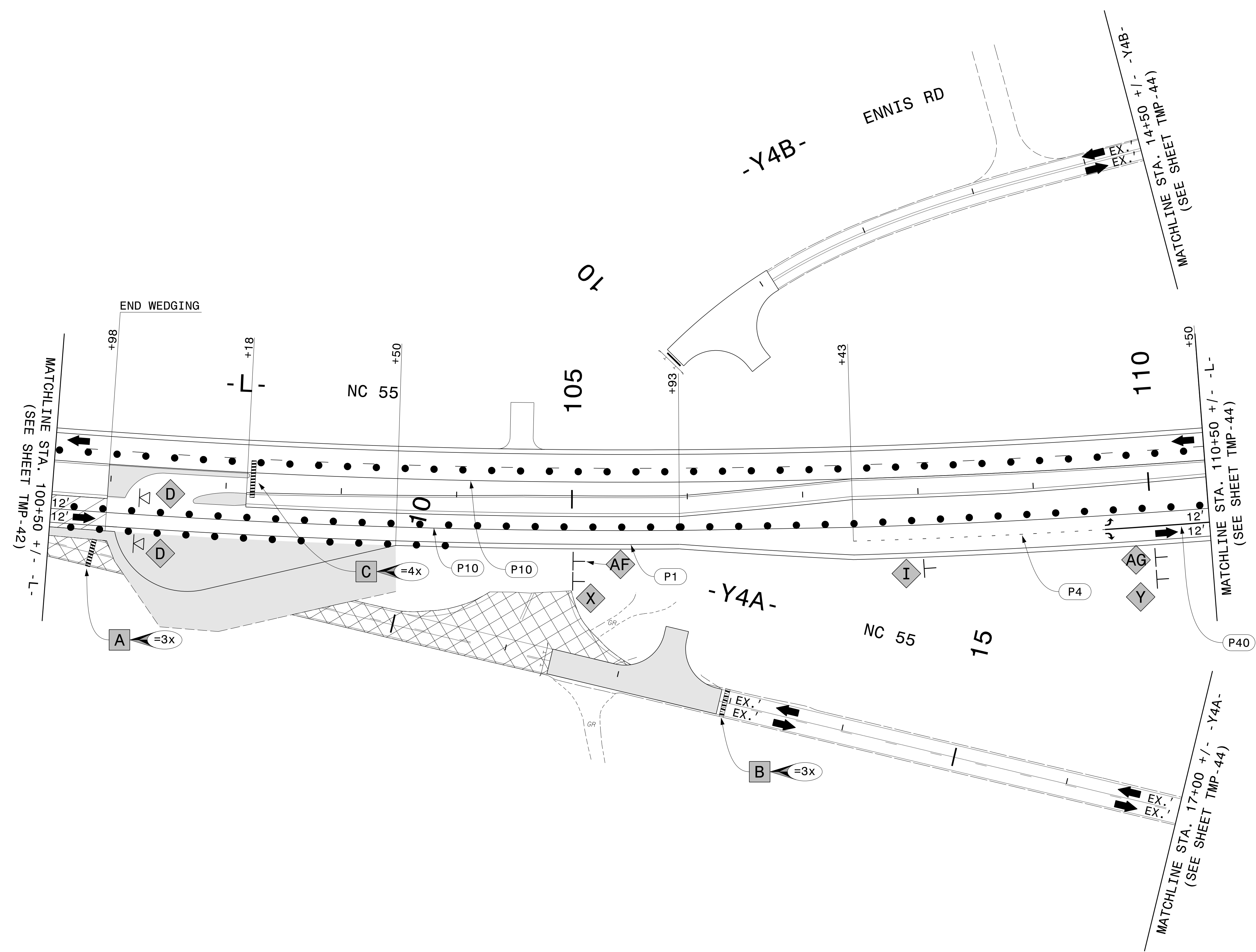
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NORTH CAROLINA PROFESSIONAL

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PHASE III DETAIL

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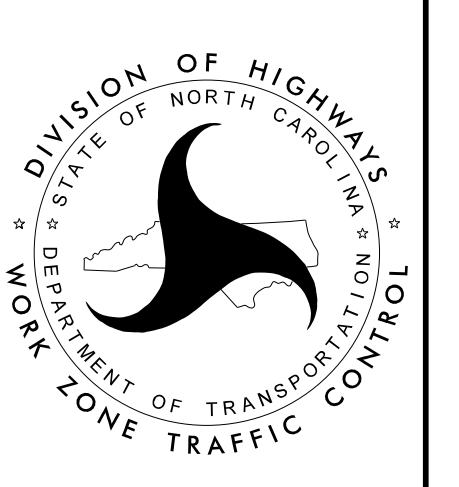
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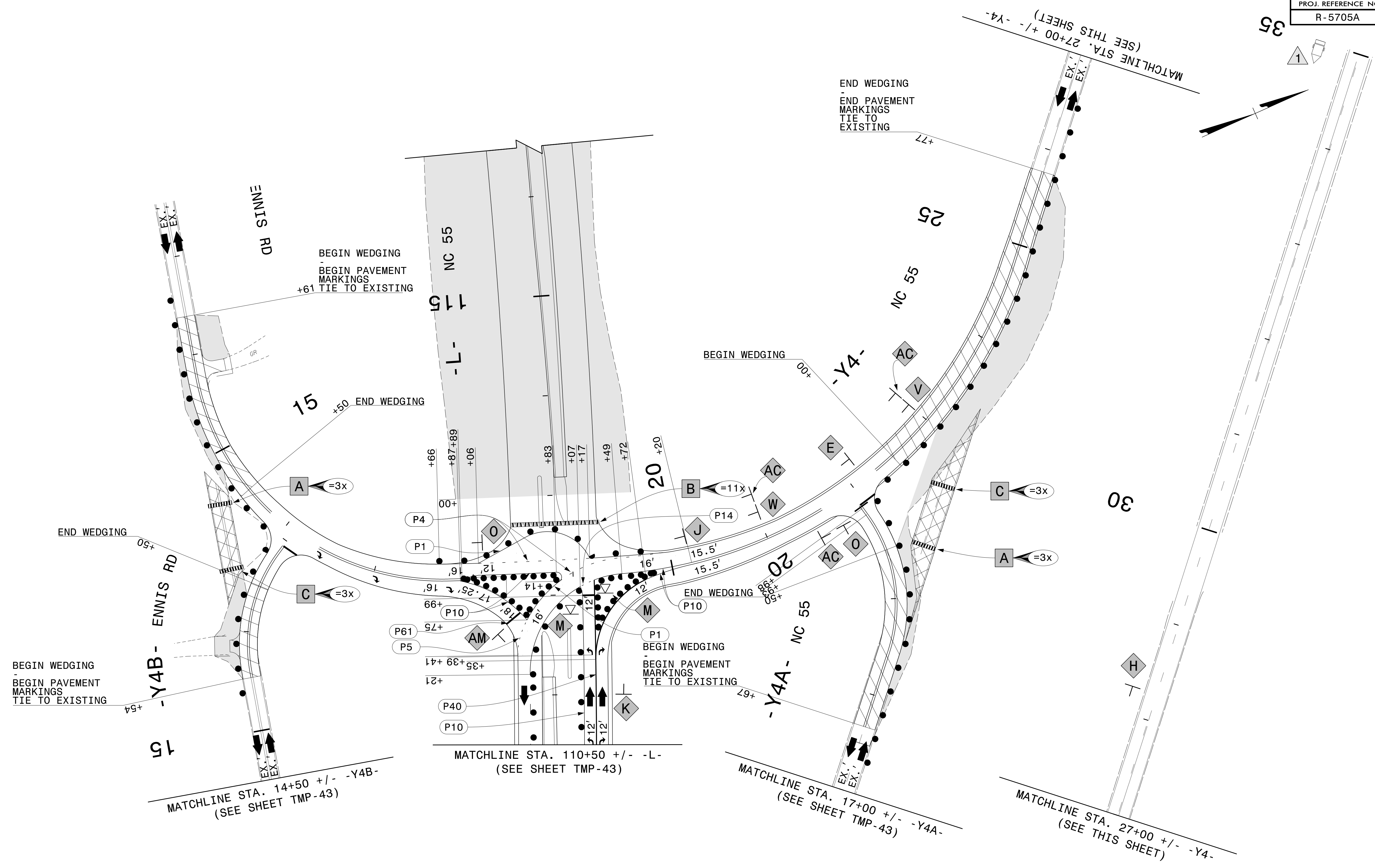
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PHASE III DETAIL



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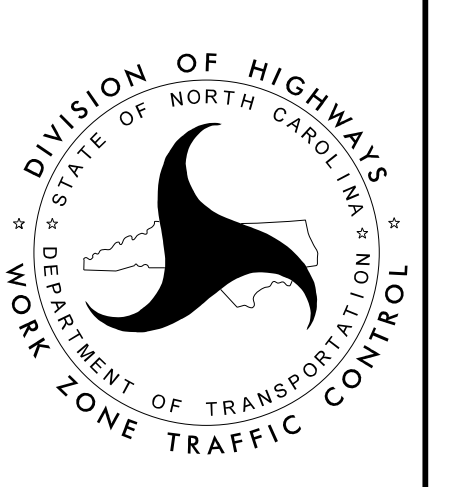
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CIVIL/SITE DESIGN - GIS/GPS - CONSTRUCTION OBSERVATION

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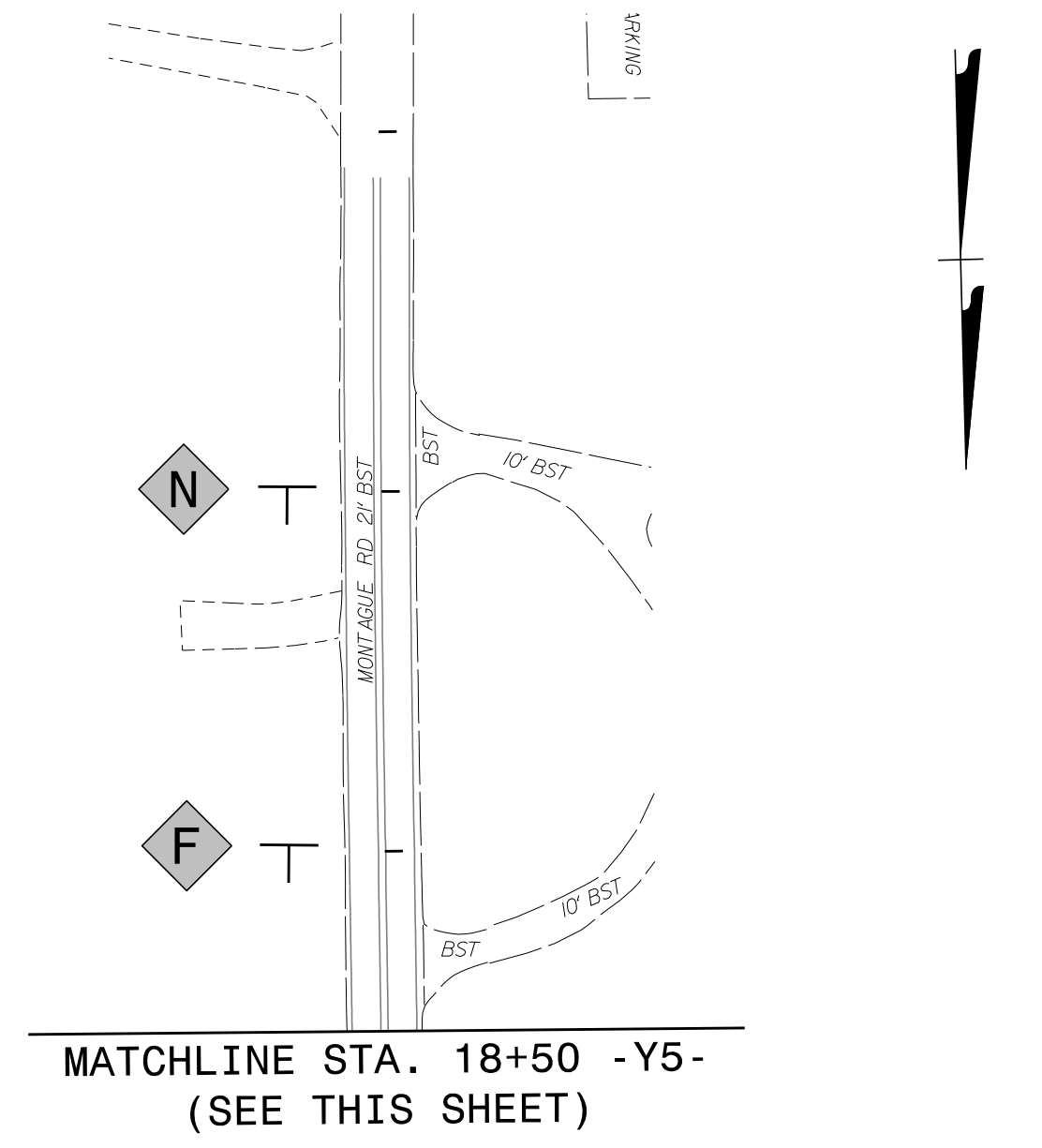
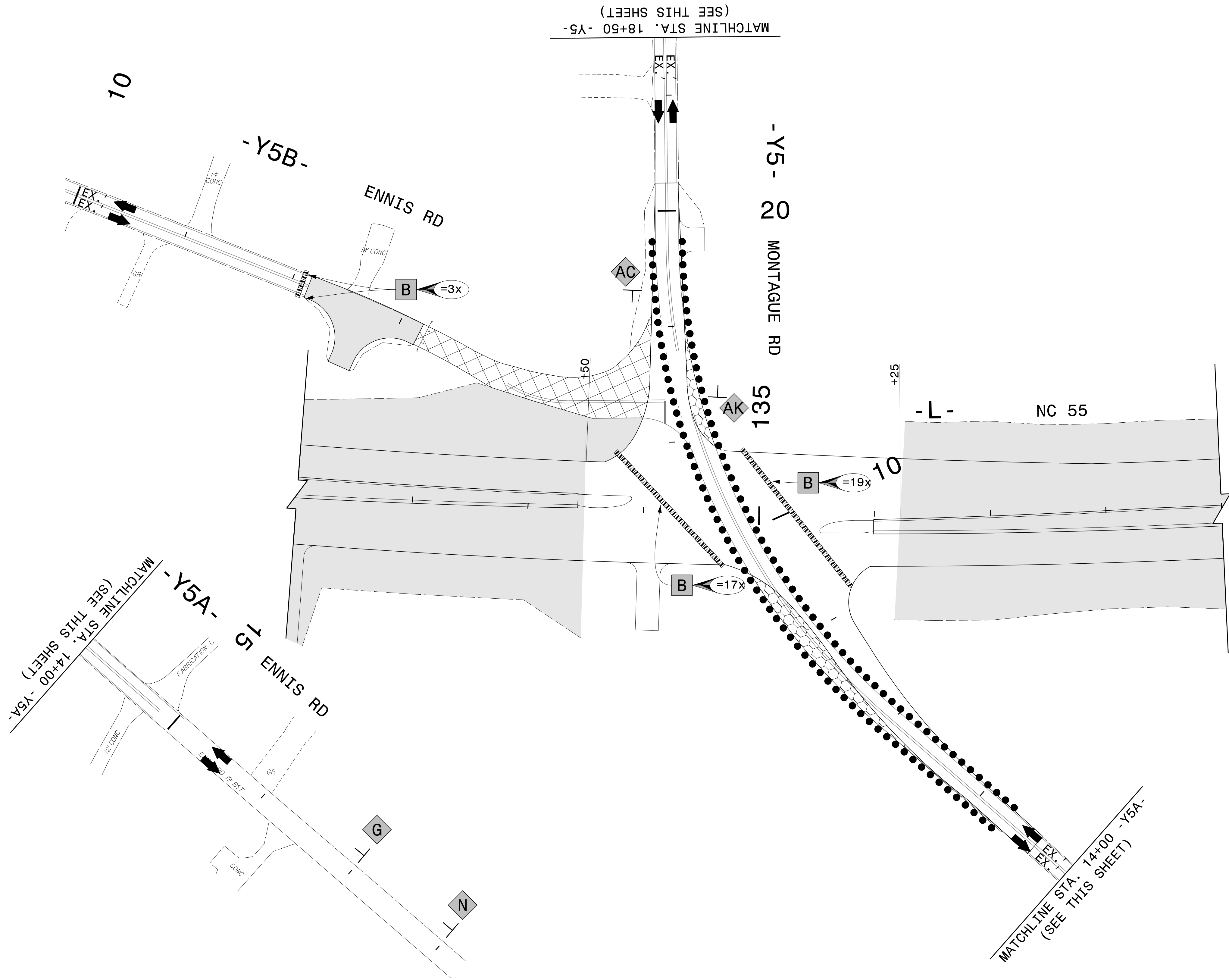
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ENGINEER

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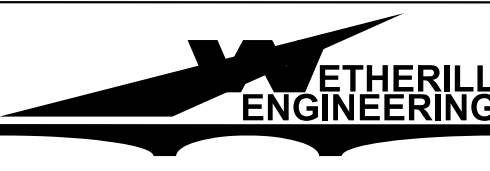
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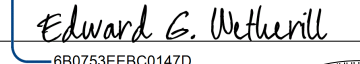
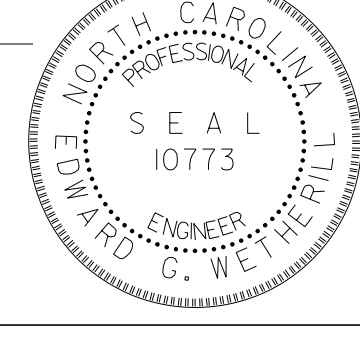
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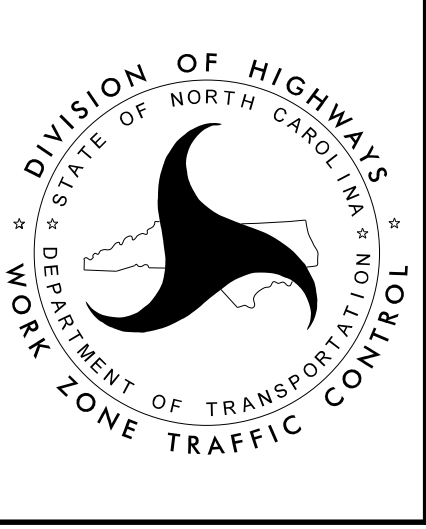


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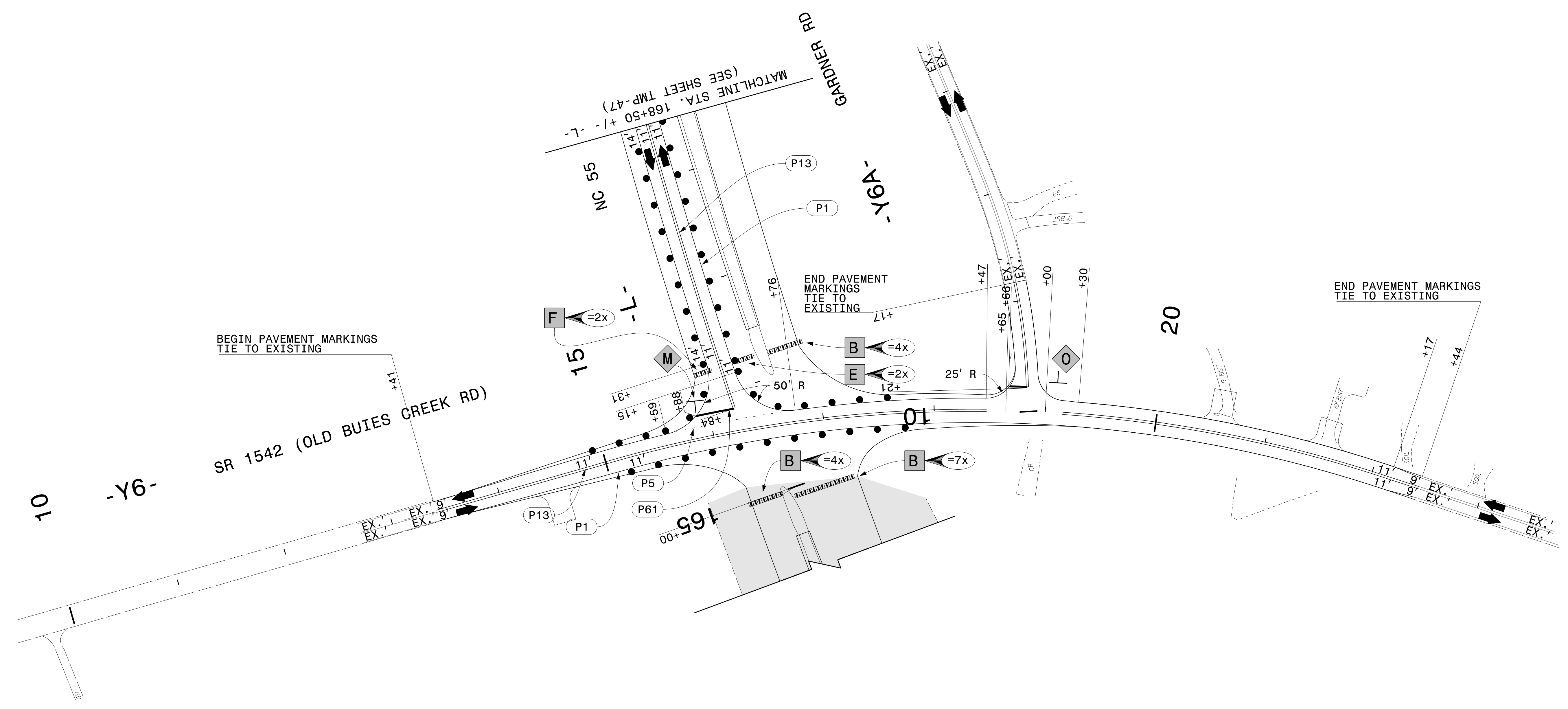
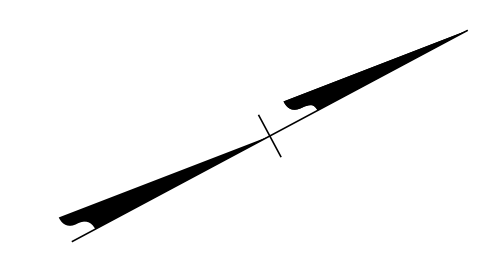
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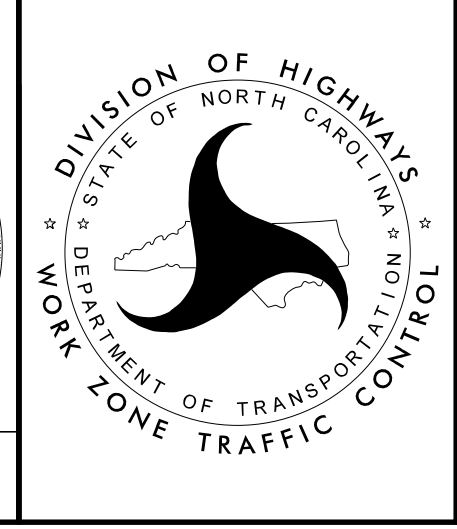
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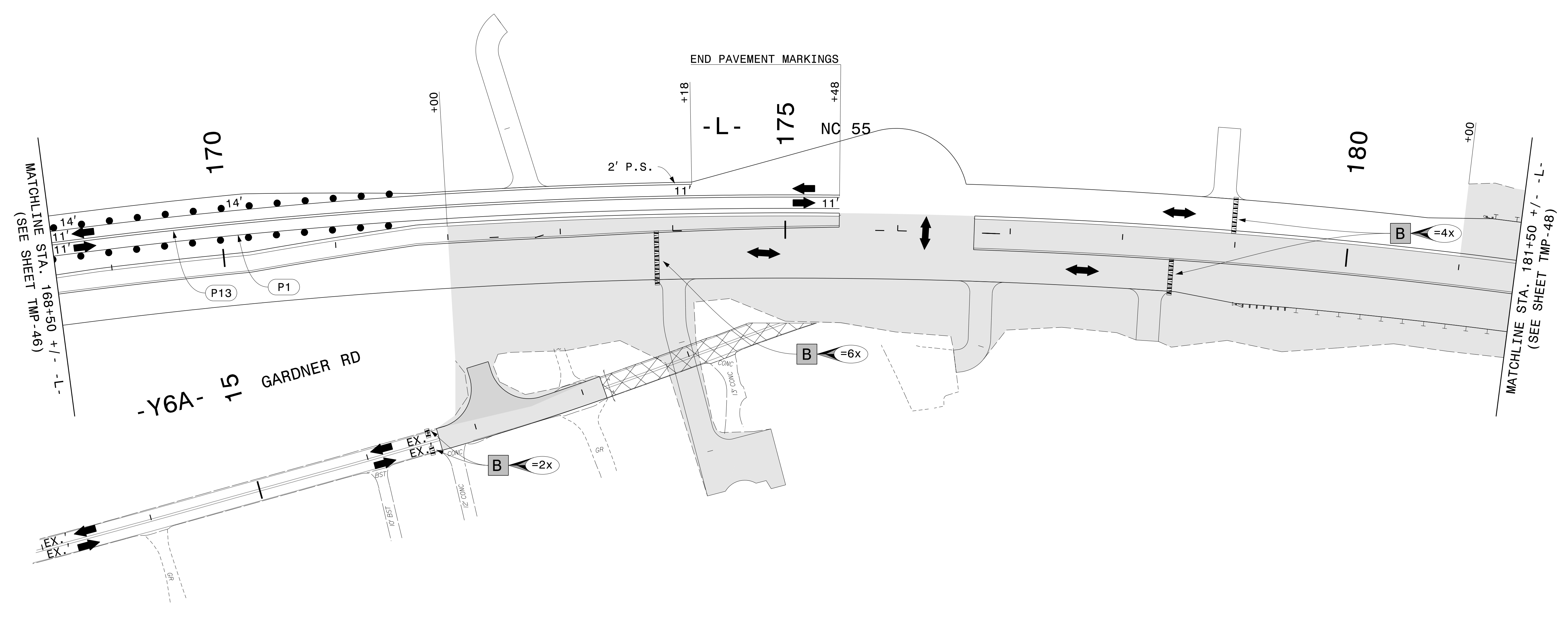
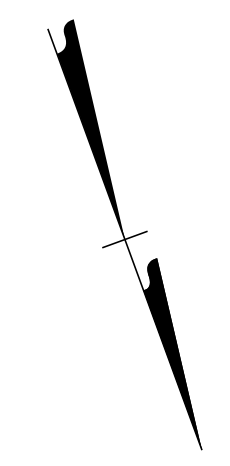
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 CIVIL/SITE DESIGN - GIS/GPS - CONSTRUCTION OBSERVATION

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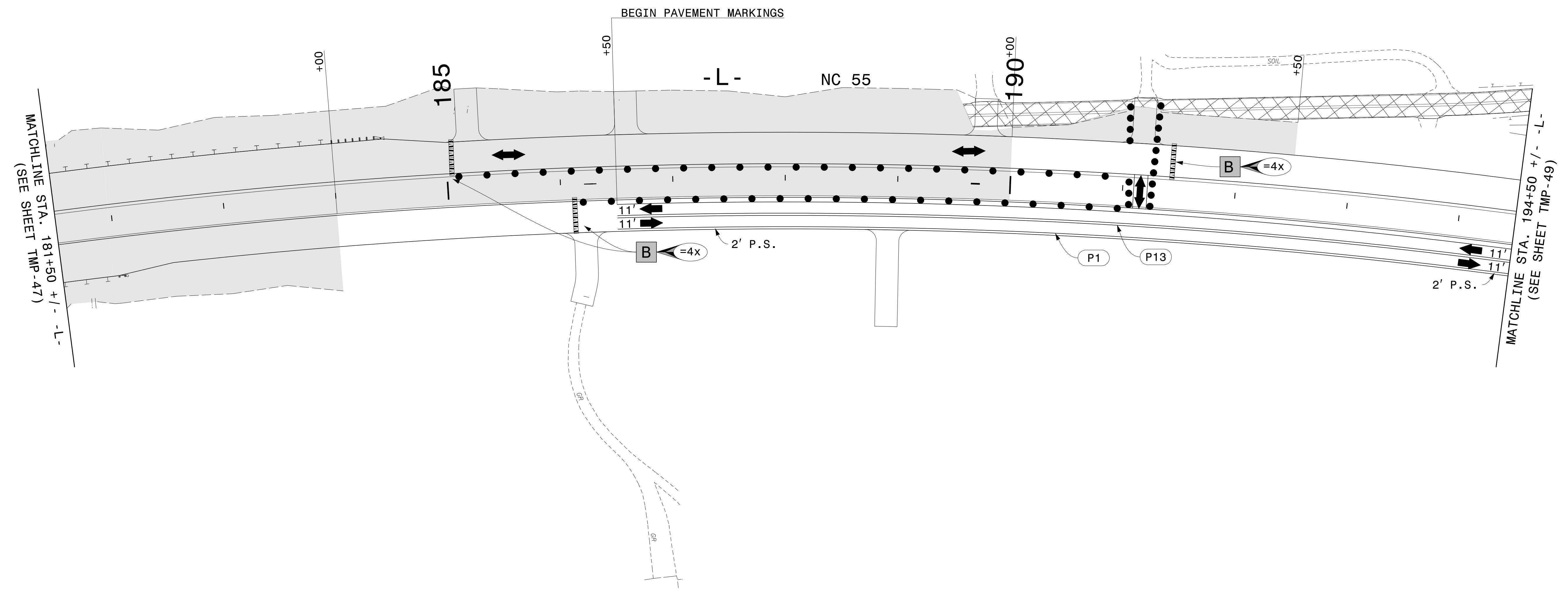
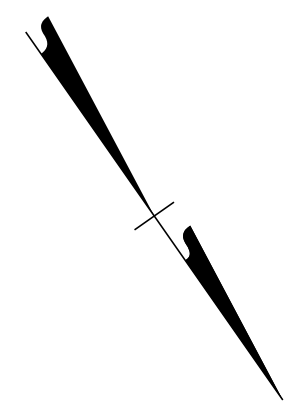
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PHASE III DETAIL

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NOTES:

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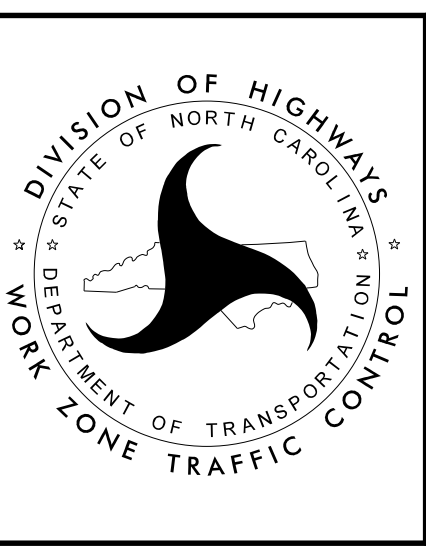
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TRANSPORTATION PLANNING/DESIGN - BRIDGE/STRUCTURE DESIGN
 CIVIL/SITE DESIGN - GIS/GPS - CONSTRUCTION OBSERVATION

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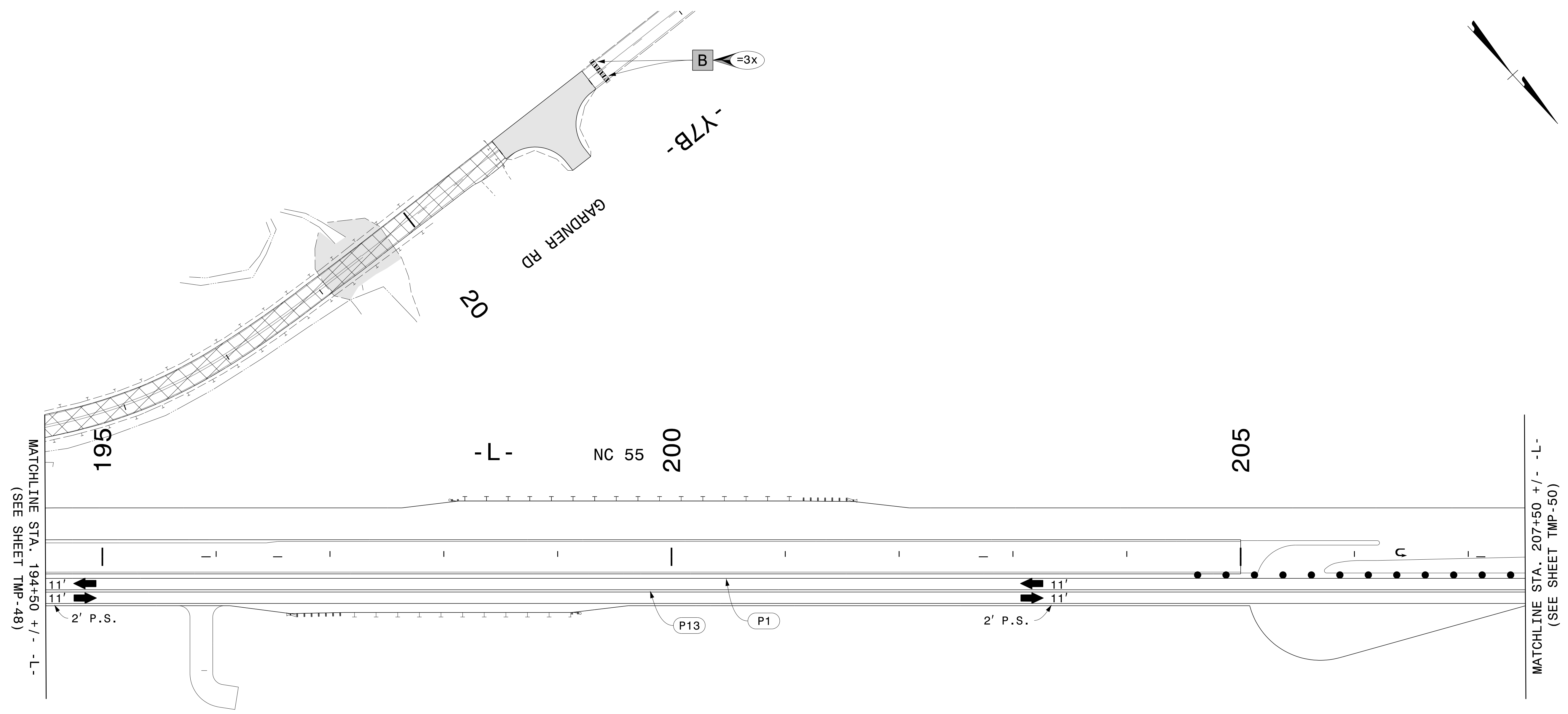
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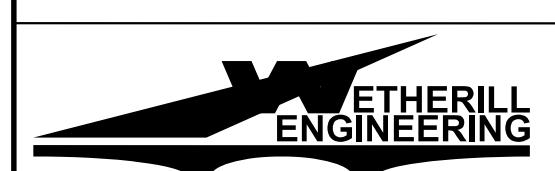
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PROJ. REFERENCE NO.	SHEET NO.
R-5705A	TMP-49



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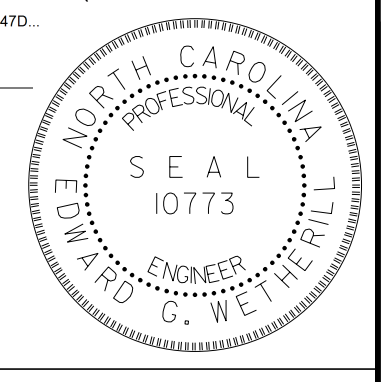
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TRANSPORTATION PLANNING/DESIGN - BRIDGE/STRUCTURE DESIGN
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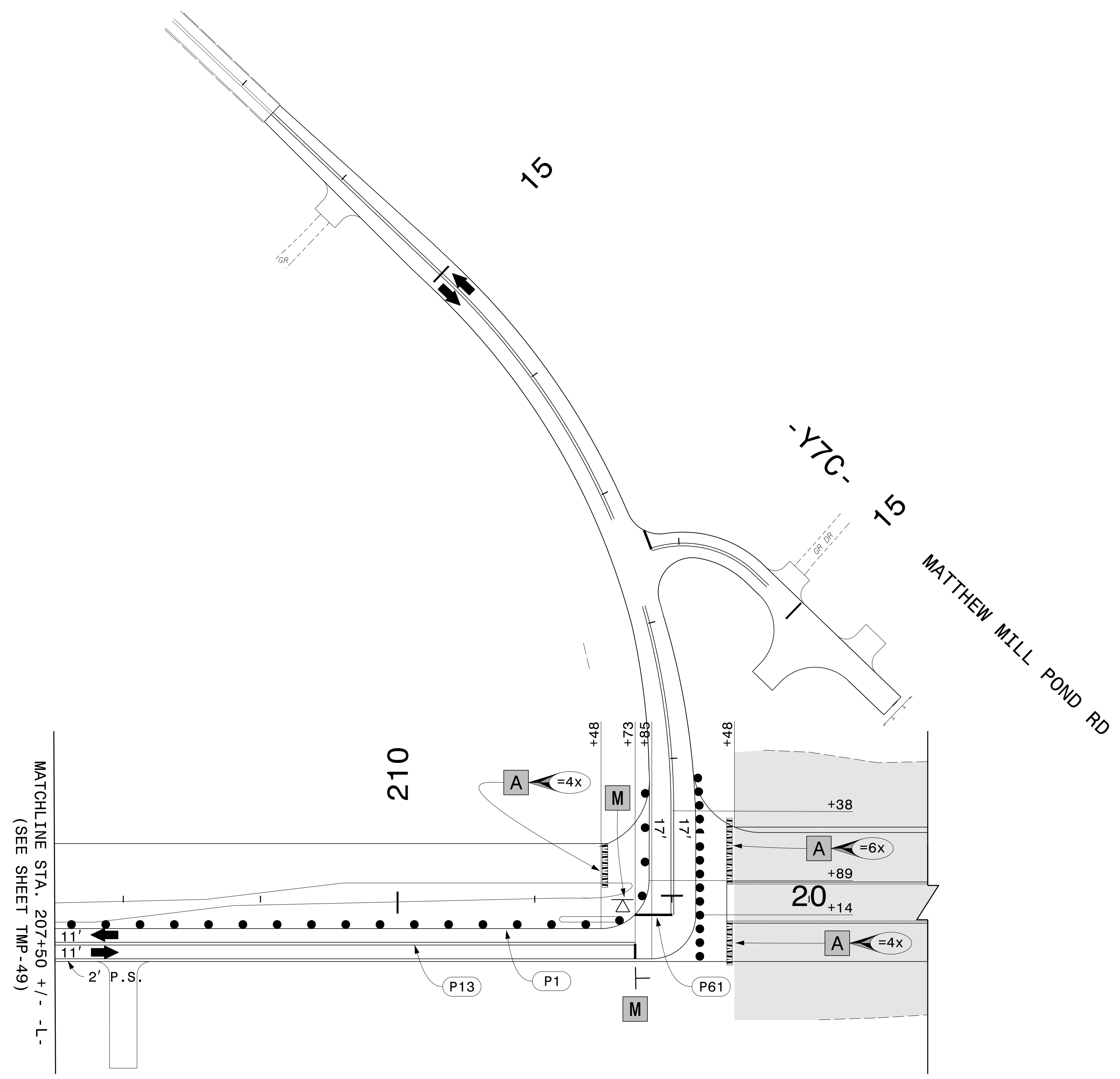
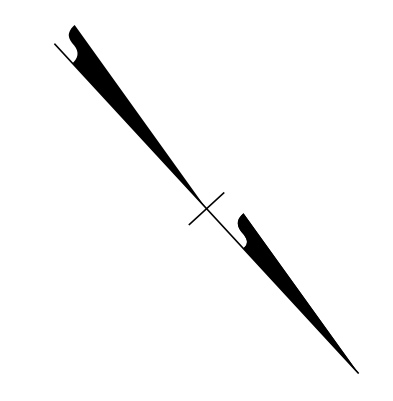
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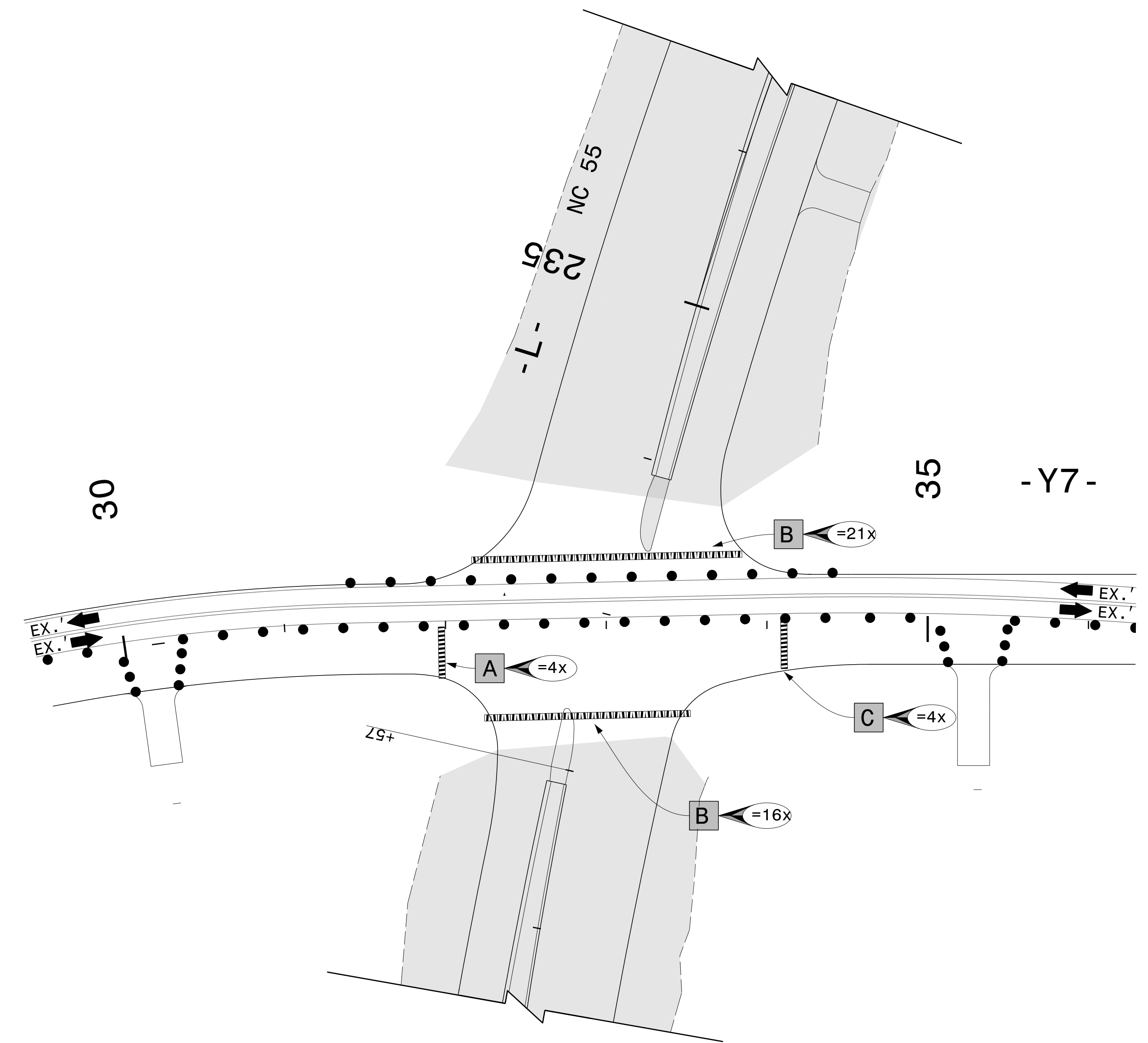
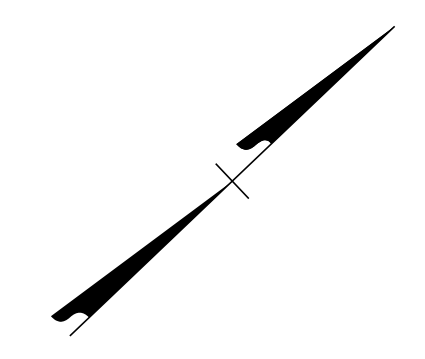
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 CIVIL/SITE DESIGN - GIS/GPS - CONSTRUCTION OBSERVATION

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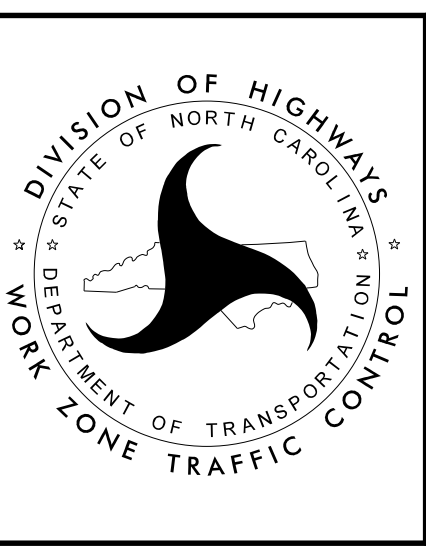
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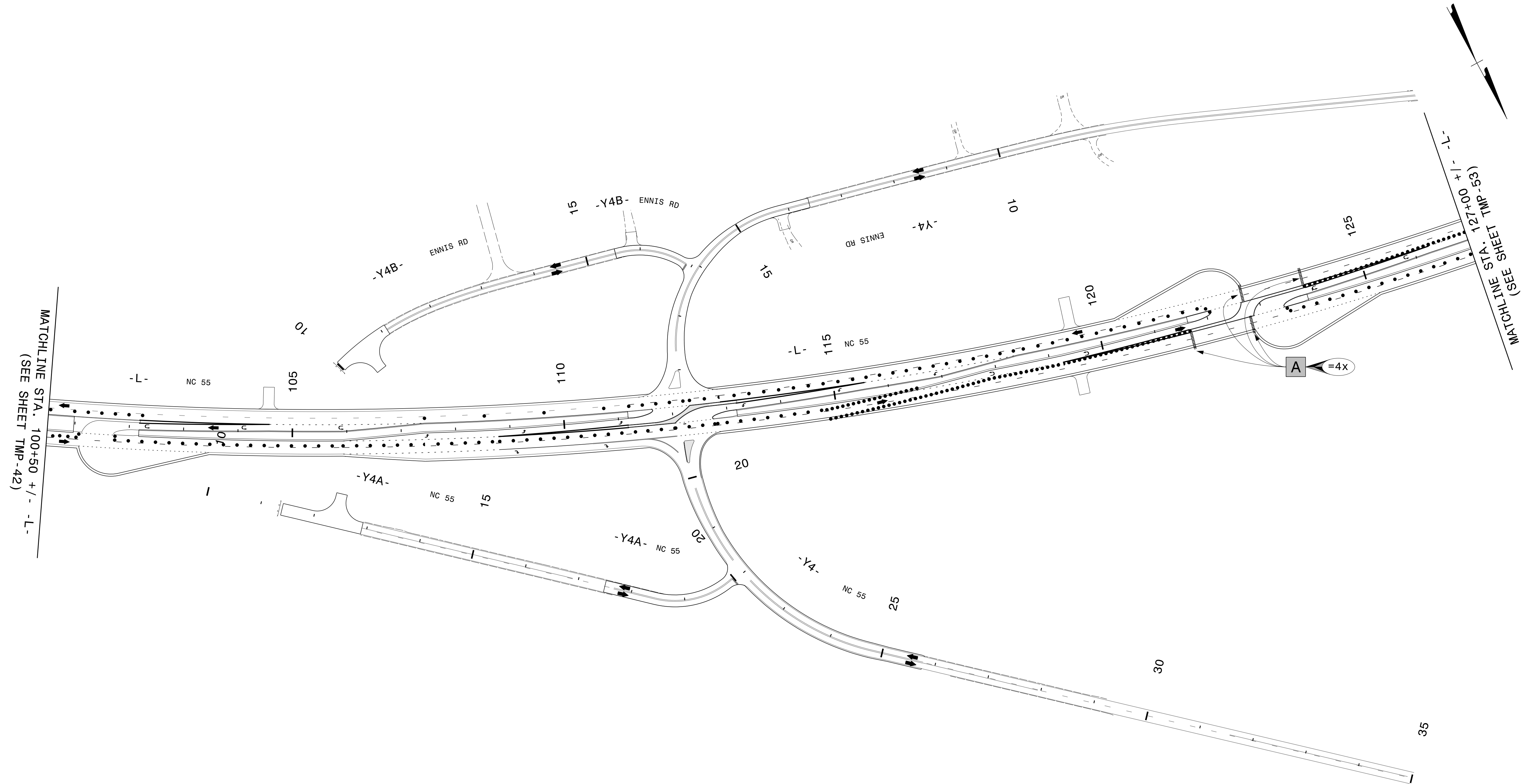
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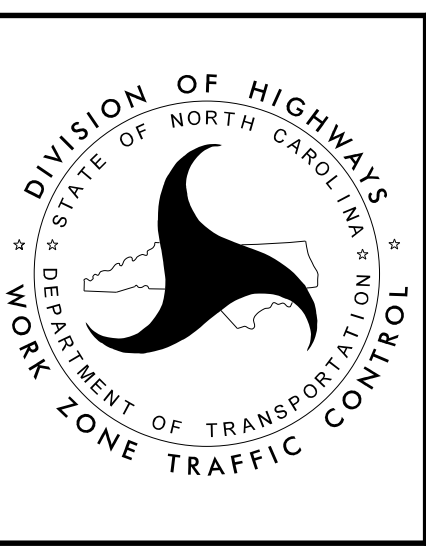
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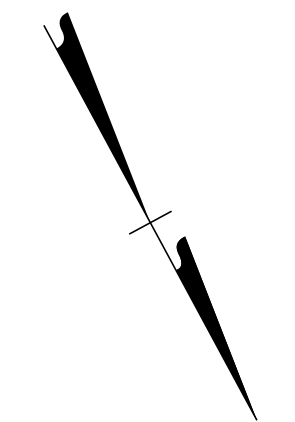
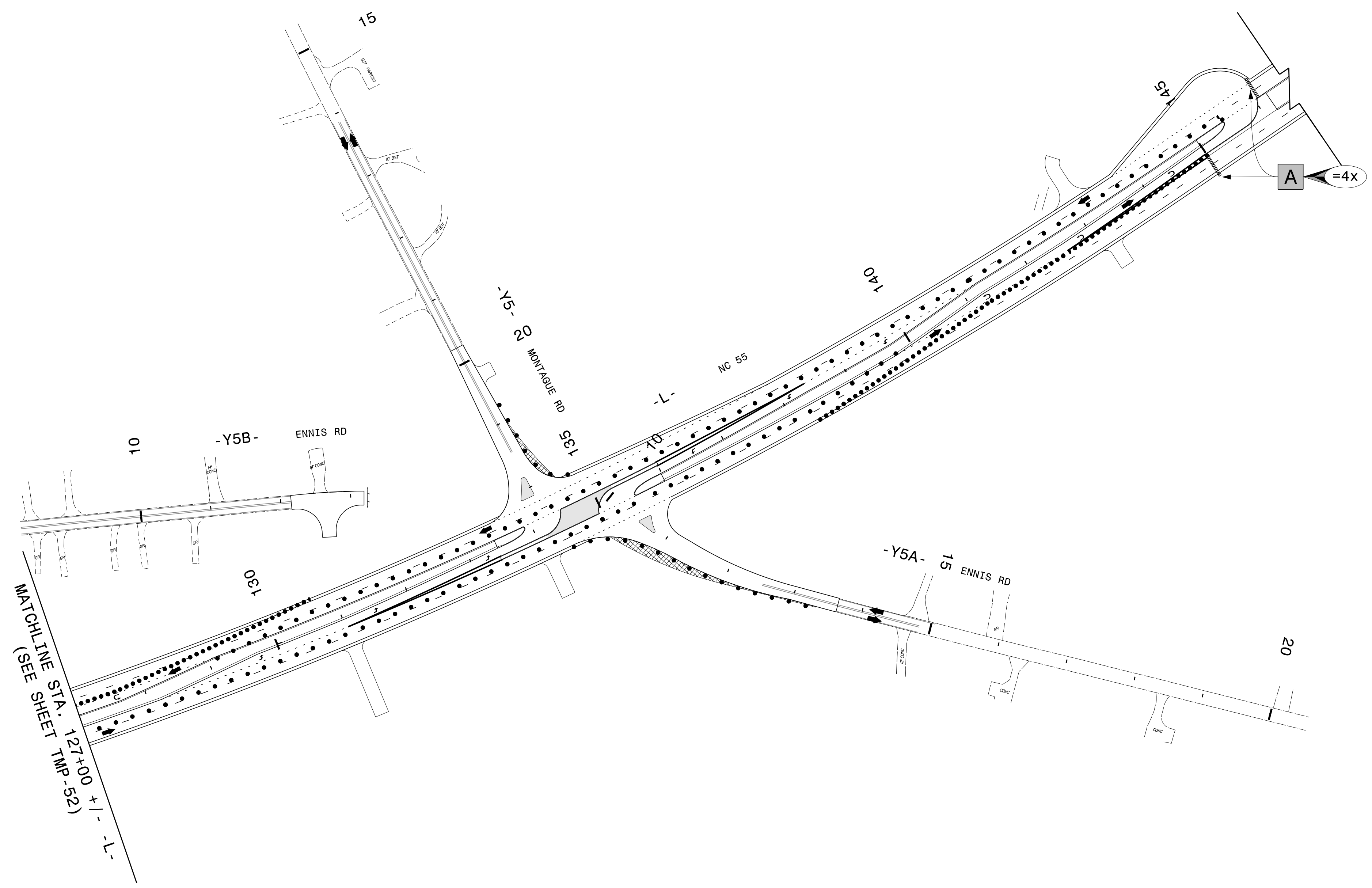
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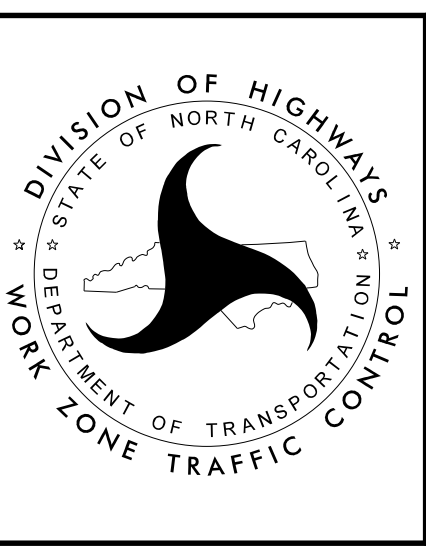
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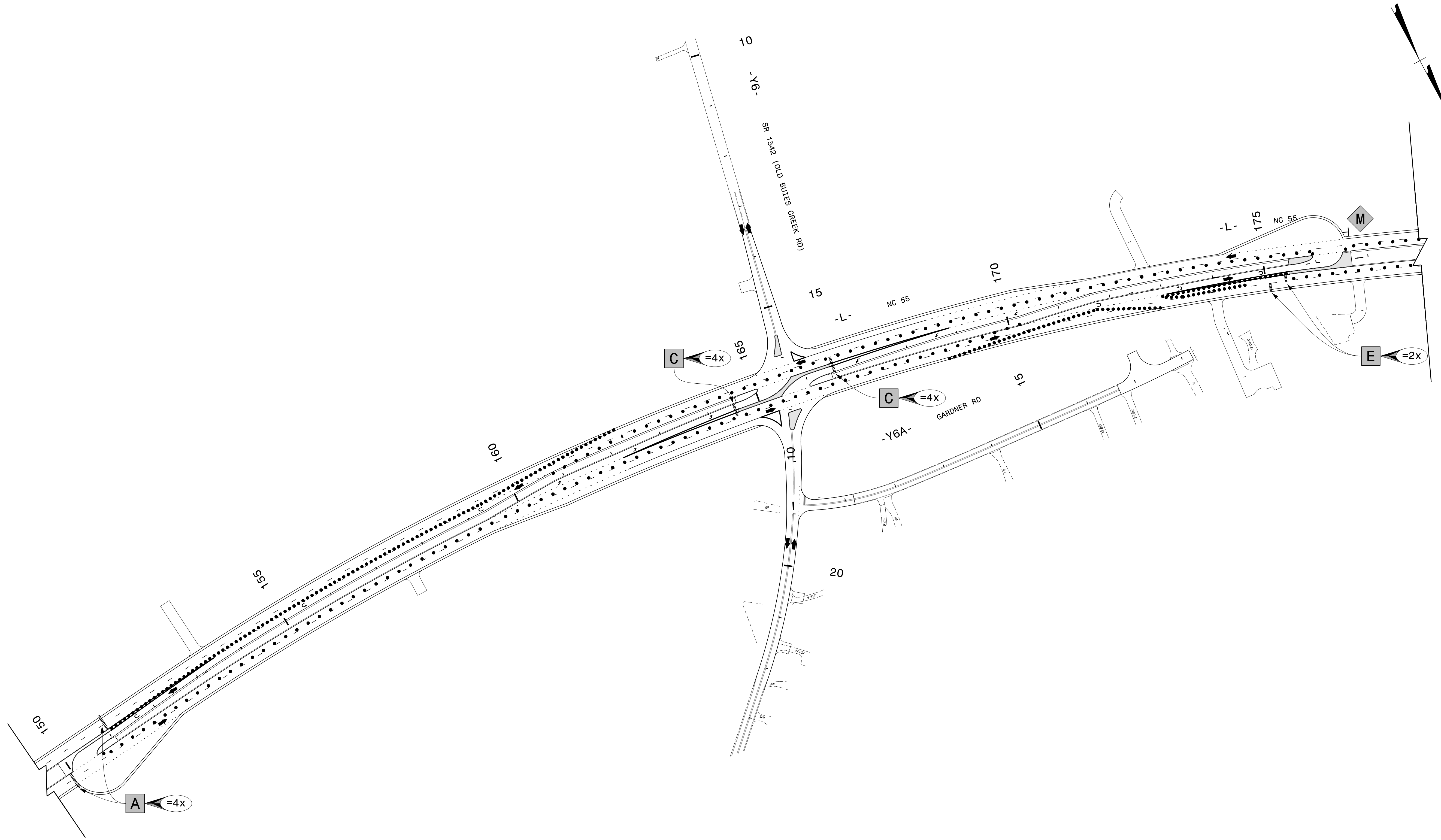
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PHASE IV DETAIL



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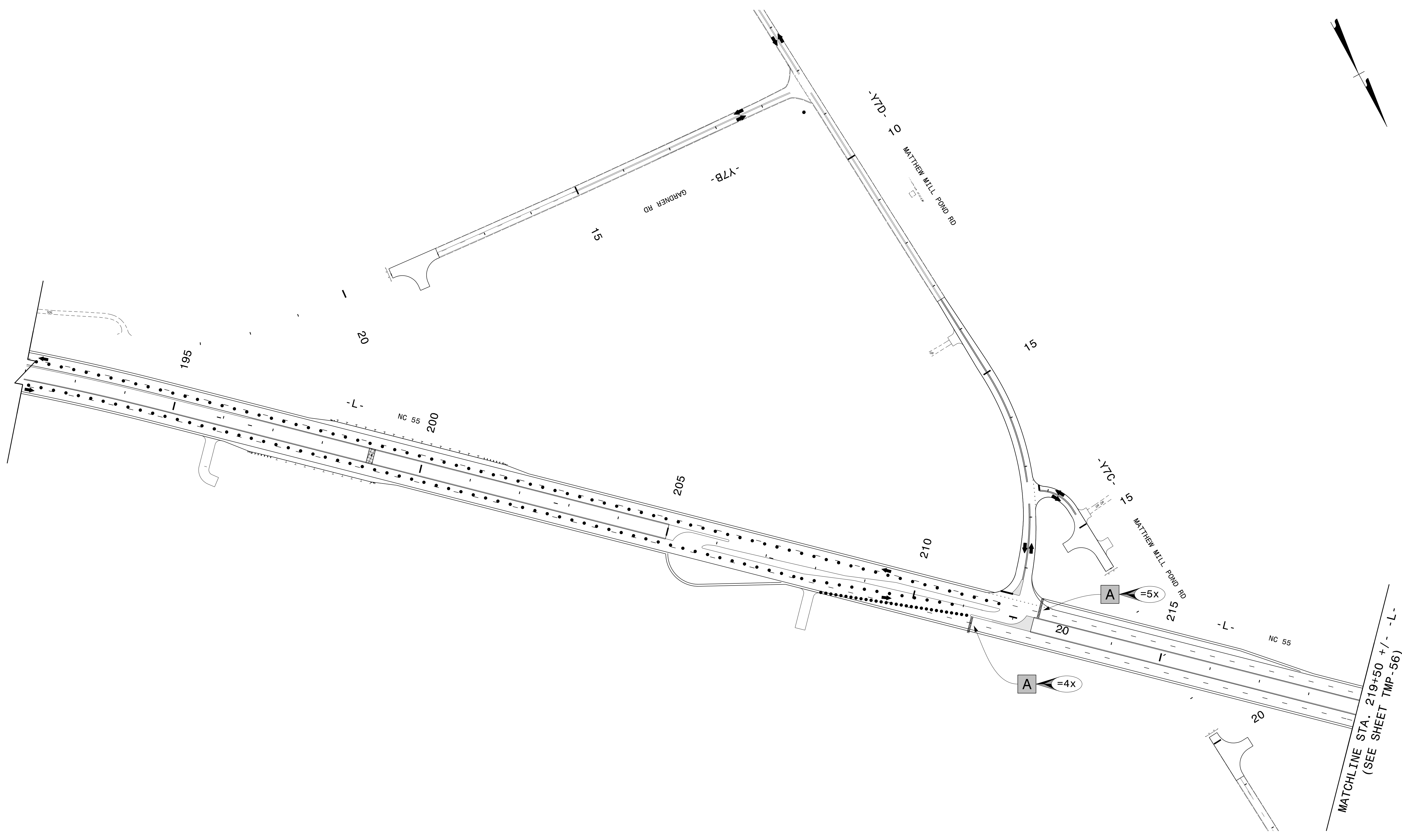
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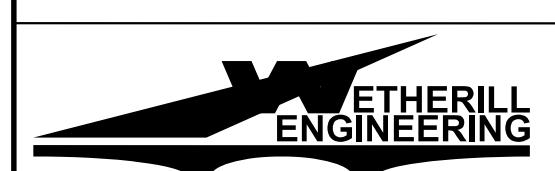
PHASE IV DETAIL

PROJ. REFERENCE NO.	SHEET NO.
R-5705A	TMP-55



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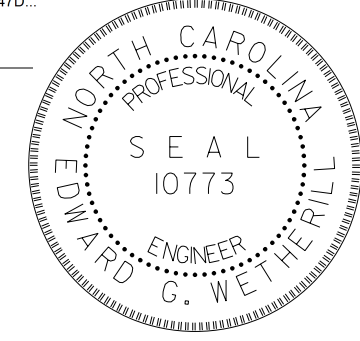


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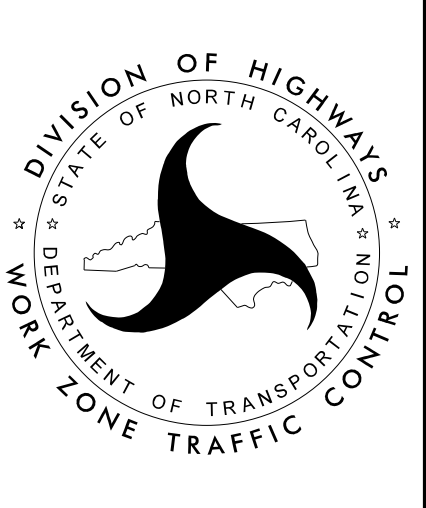
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Edward G. Wetherill
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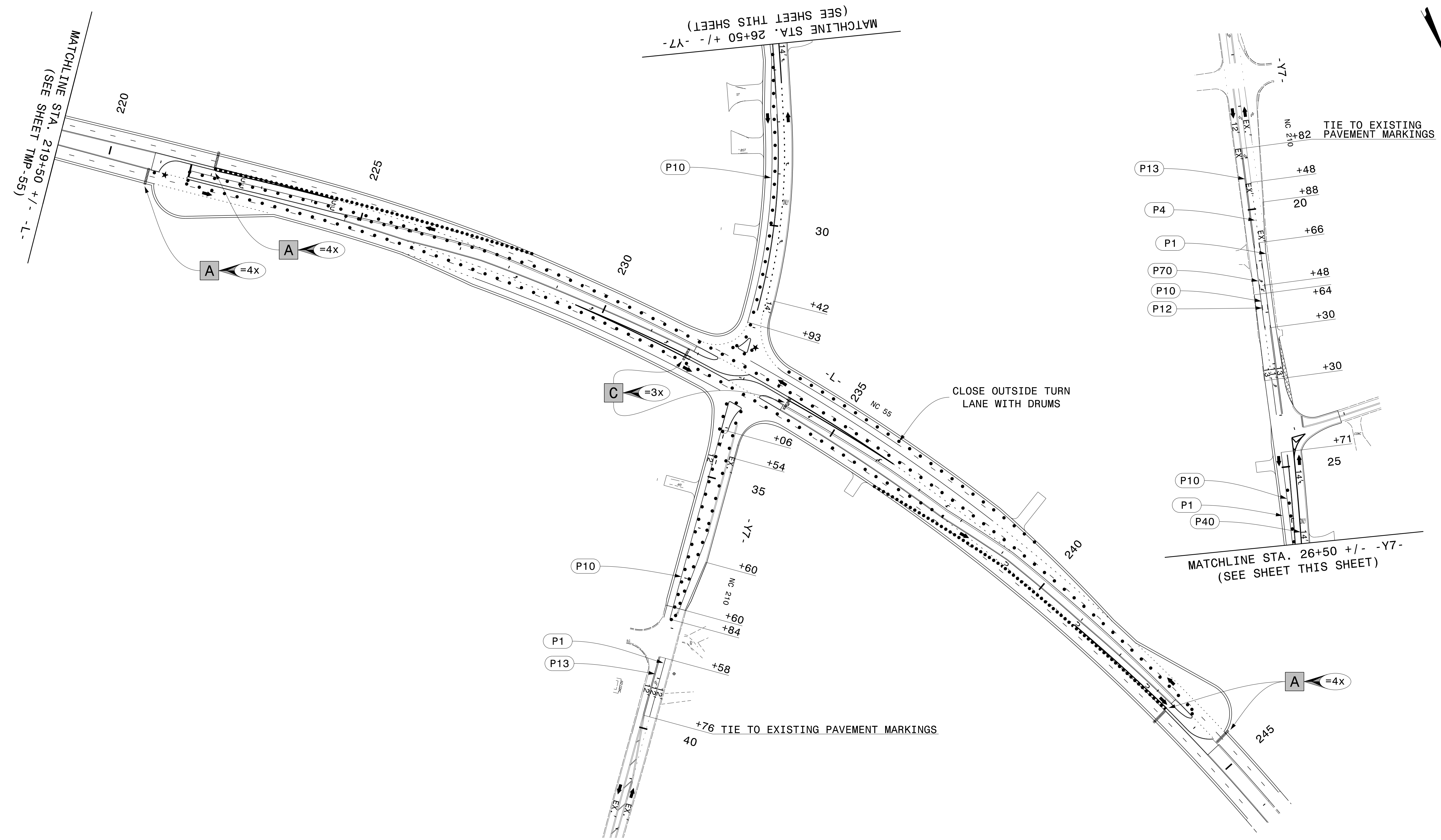
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PHASE IV DETAIL



NOTES:

- 1) SEE FINAL PAVEMENT MARKINGS FOR ALL LANE WIDTHS, PM LABELS, AND STATIONS UNLESS OTHERWISE NOTED ON TMP.
- 2) ALL MARKINGS SHALL BE PAINT UNLESS OTHERWISE NOTED ON TMP.

WETHERILL ENGINEERING

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CIVIL/SITE DESIGN - GIS/GPS - CONSTRUCTION OBSERVATION

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680753EEBC0147D...

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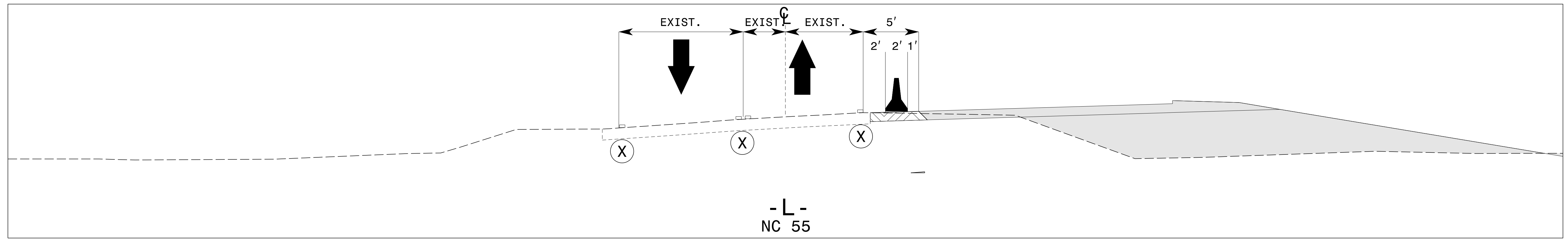
SEAL
NORTH CAROLINA PROFESSIONAL ENGINEER
EDWARD G. WETHERILL
10773

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PHASE IV DETAIL

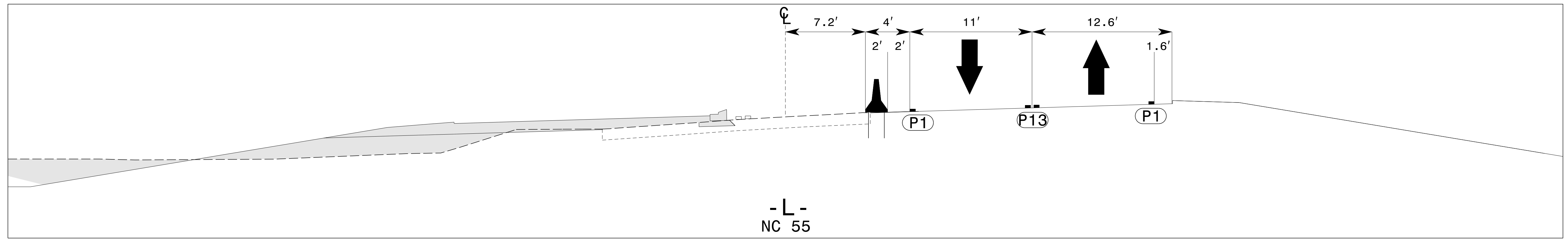
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-L-
NC 55

A1
04 | 57

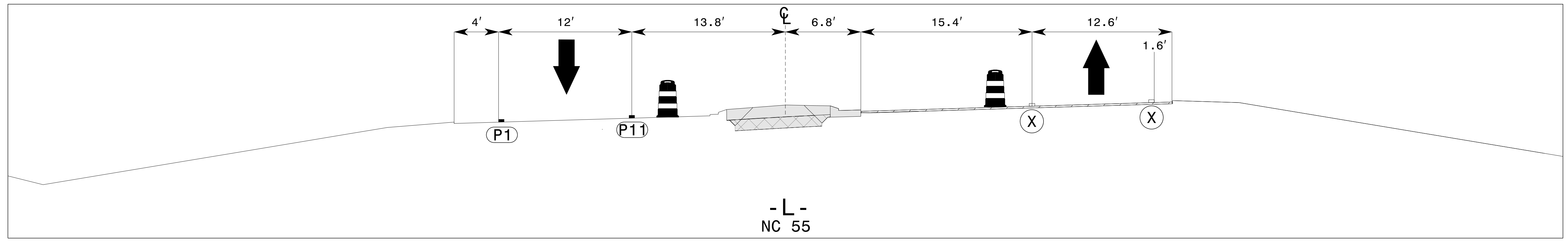
STA. 22+00 -L-
CUT SECTION



-L-
NC 55

A2
23 | 57

STA. 22+00 -L-
CUT SECTION

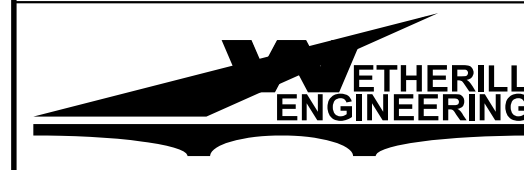


-L-
NC 55

A3
36 | 57

STA. 22+00 -L-
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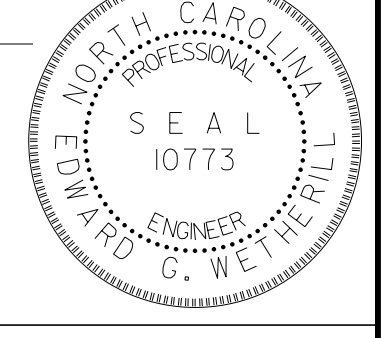
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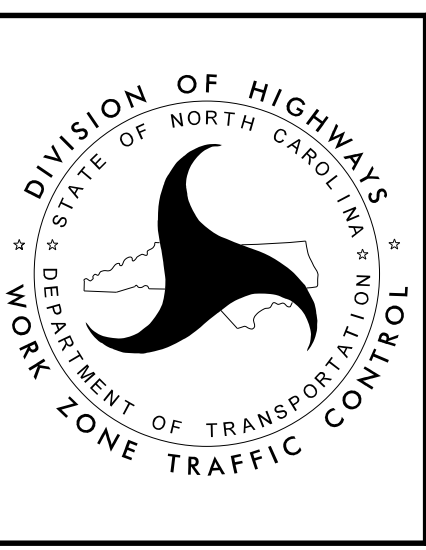
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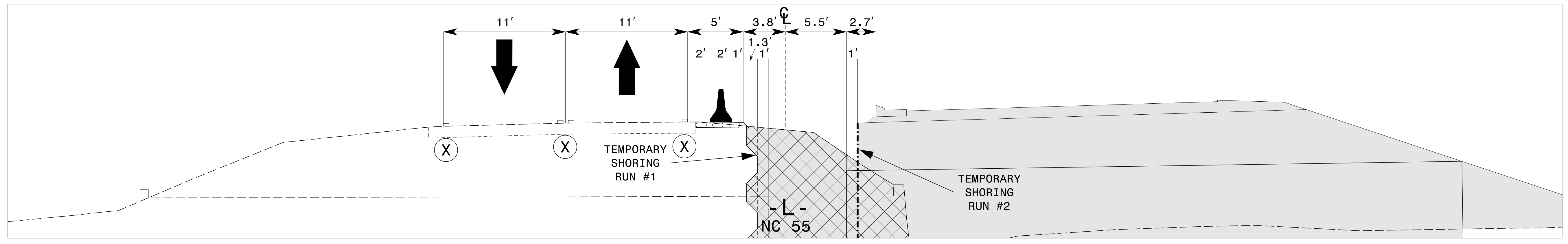
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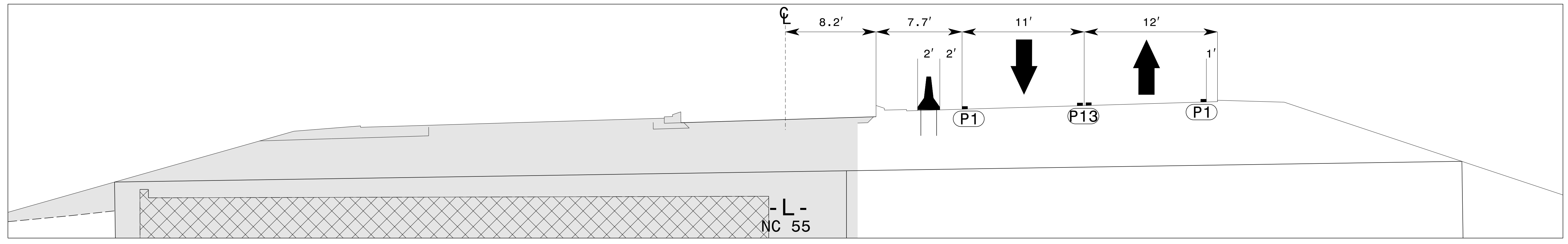
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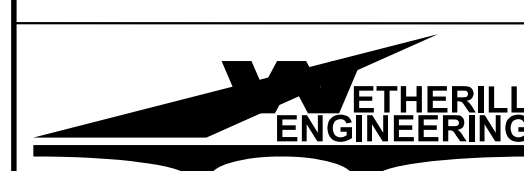


B1
05 | 58
STA. 24+50 -L-
CUT SECTION

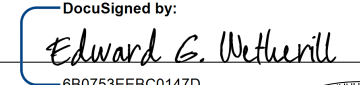
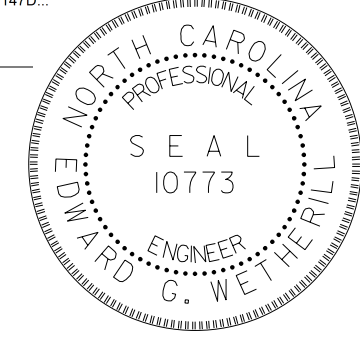


B2
24 | 58
STA. 24+50 -L-
CUT SECTION

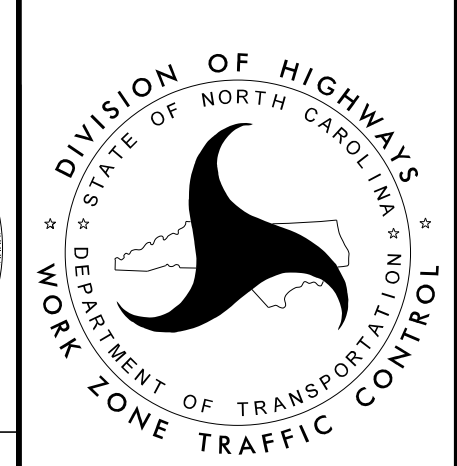
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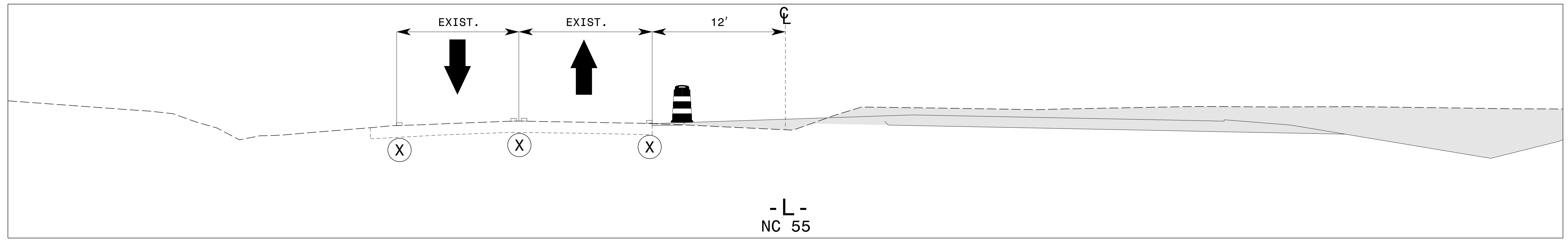
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APPROVED: 
DocuSigned by:
Edward G. Wetherill
880753EE8C0147D...
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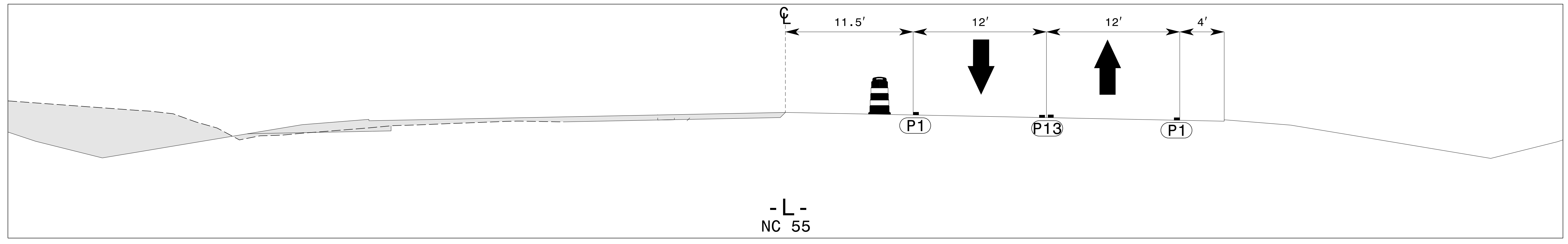
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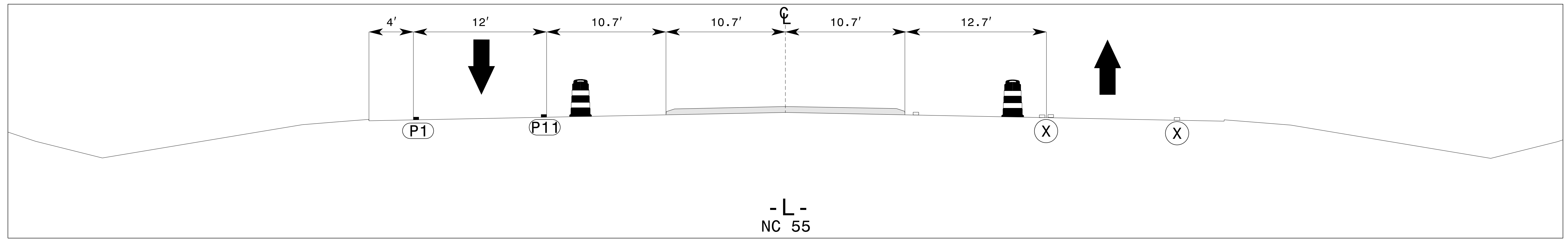
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C1
05 | 59 STA. 32+00 -L-
CUT SECTION



C2
24 | 59 STA. 32+00 -L-
CUT SECTION



C3
37 | 59 STA. 32+00 -L-
CUT SECTION

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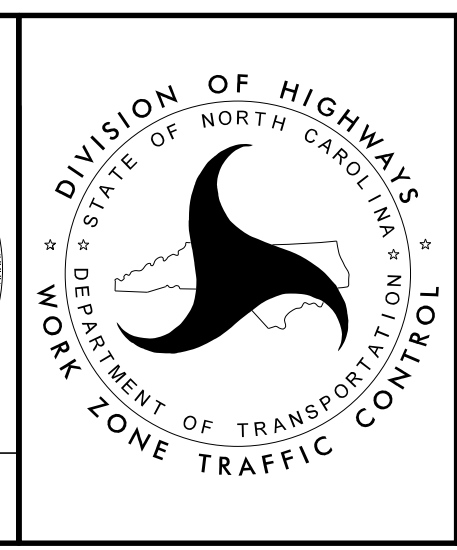
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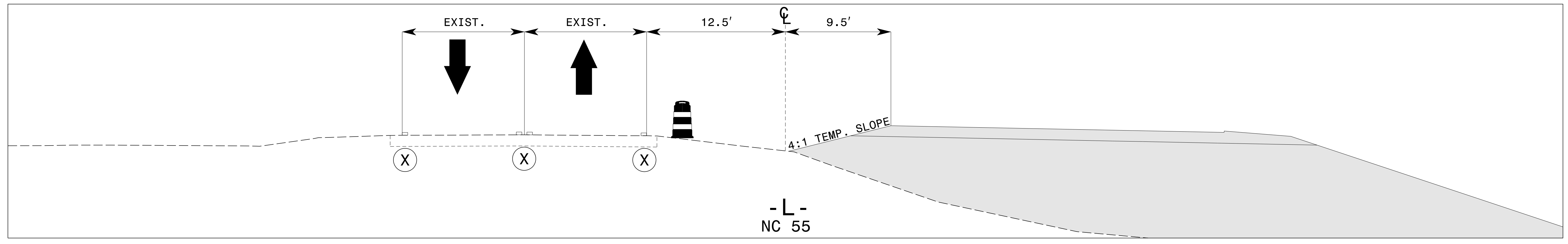
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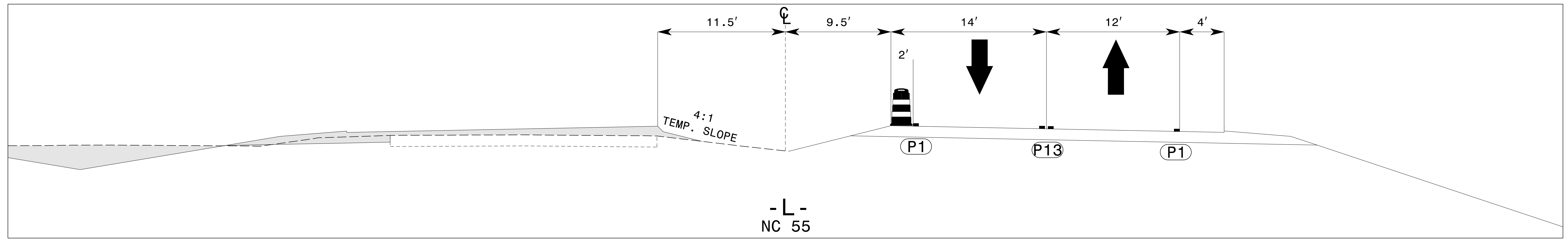
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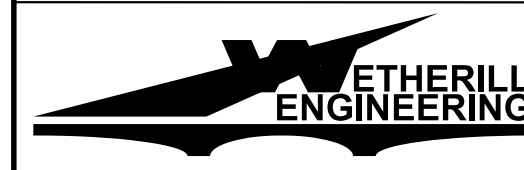


D1
06 | 60
STA. 44+00 -L-
CUT SECTION



D2
25 | 60
STA. 44+00 -L-
CUT SECTION

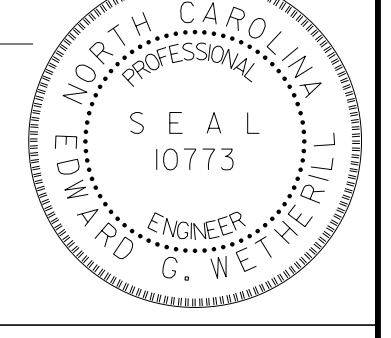
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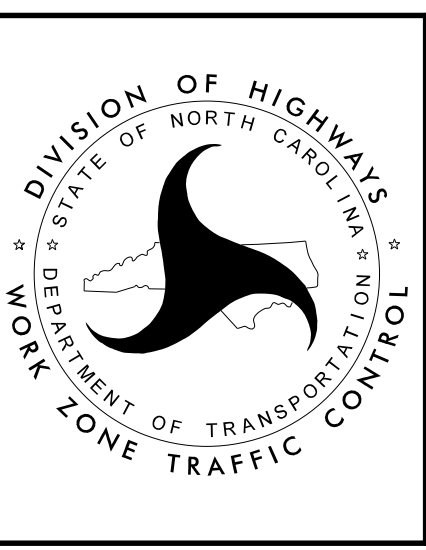
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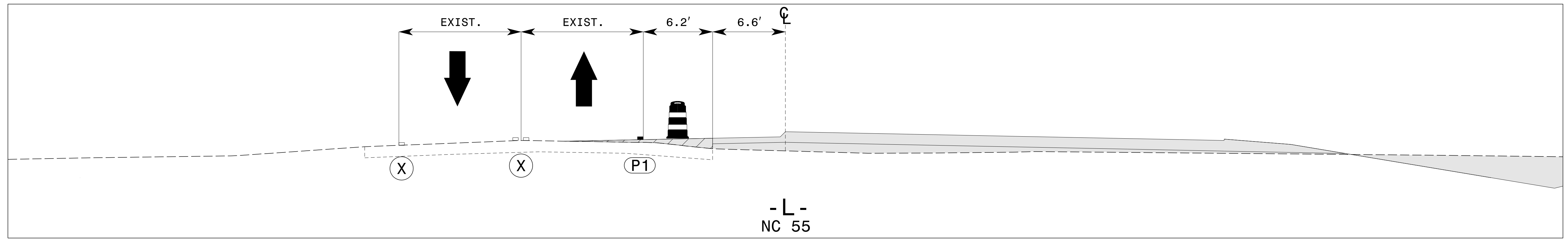
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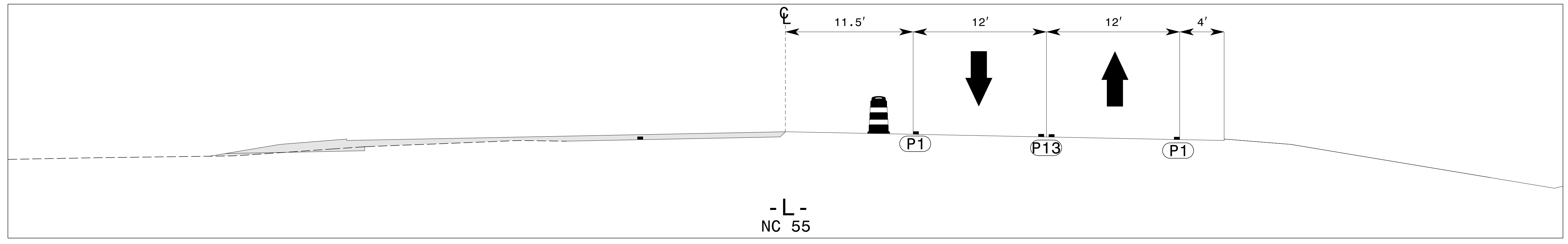
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-L-
NC 55

E1
07 61

 STA. 59+00 -L-
CUT SECTION

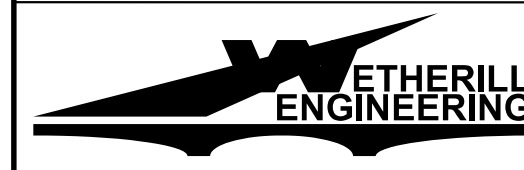


-L-
NC 55

E2
26 61

 STA. 59+00 -L-
CUT SECTION

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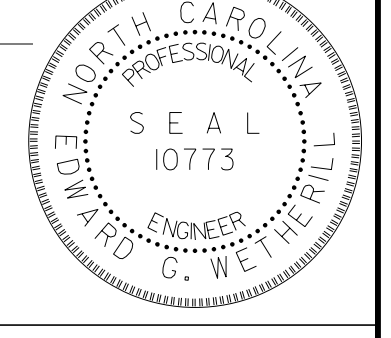


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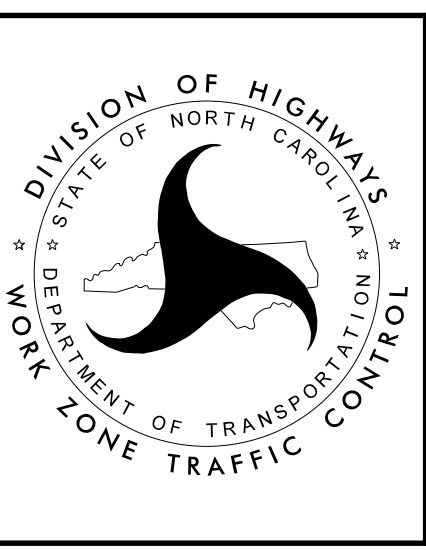
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Edward G. Wetherill
880793EE8C0147D...

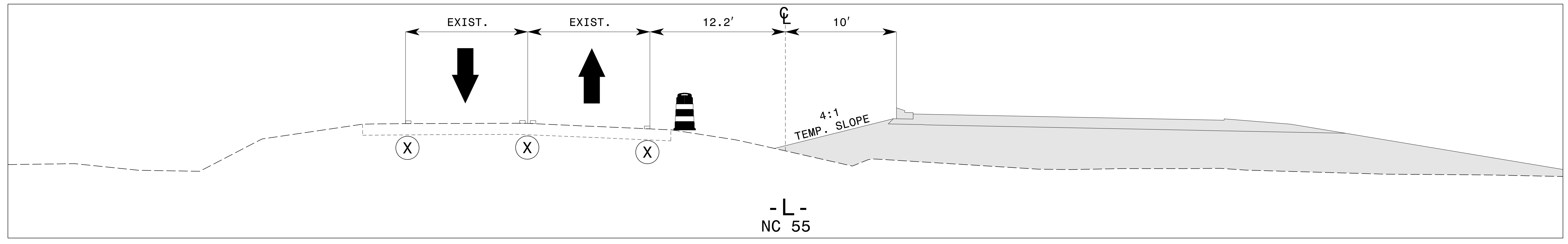
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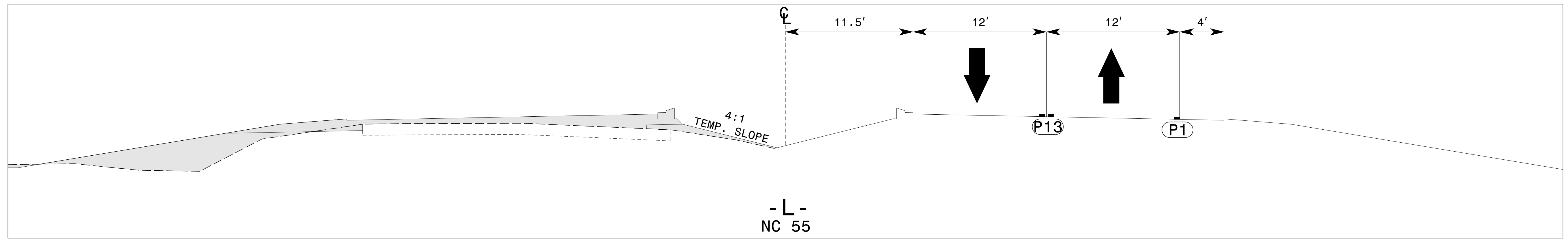
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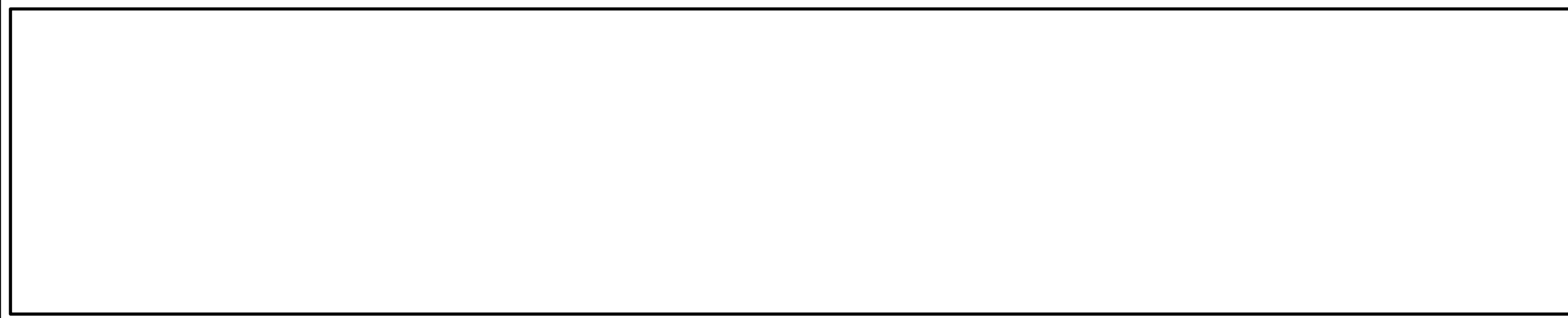


F1
08 | 62 STA. 73+00 -L-
CUT SECTION



F2
27 | 62 STA. 73+00 -L-
CUT SECTION

8/10/2023
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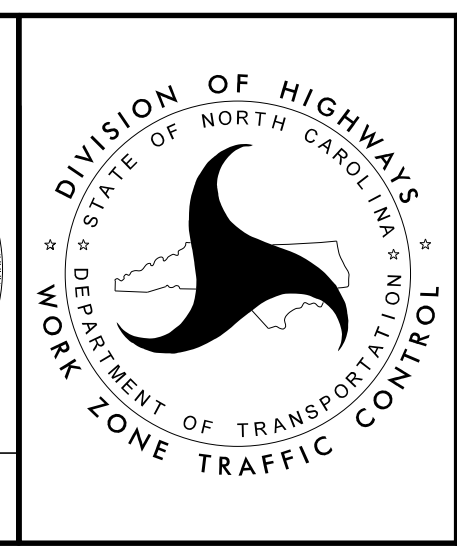
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68073SEB001470

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