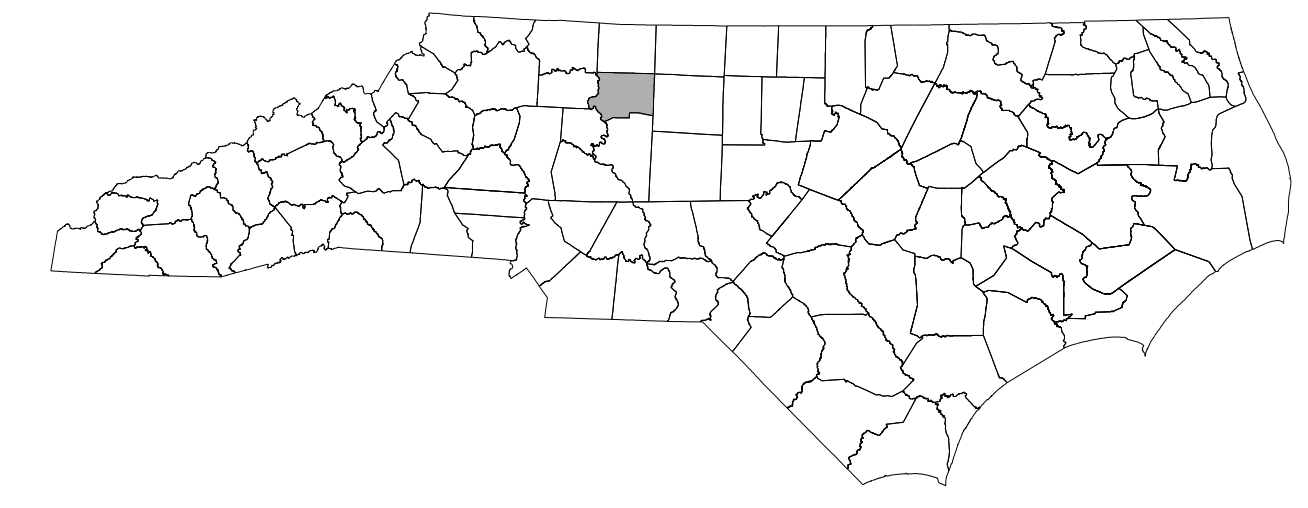


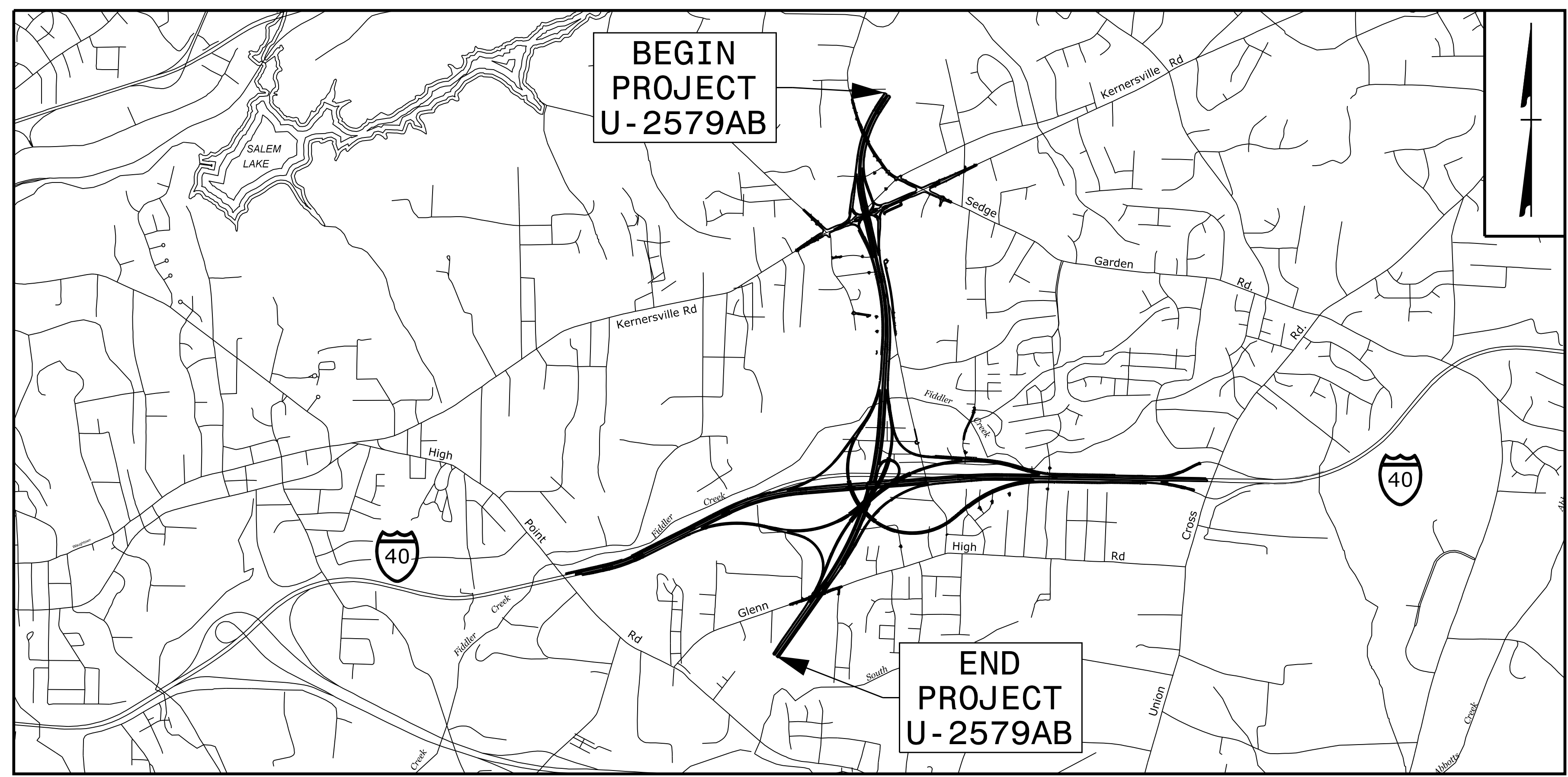
STATE OF NORTH CAROLINA
DIVISION OF HIGHWAYS

TRANSPORTATION MANAGEMENT PLAN

FORSYTH COUNTY



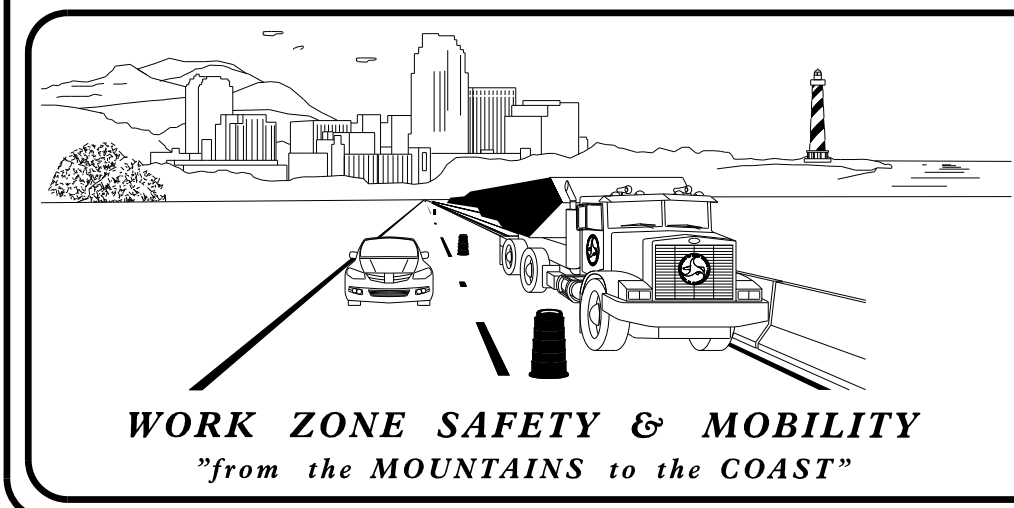
**LOCATION: WINSTON-SALEM - NORTHERN BELTWAY
(EASTERN SECTION OF FUTURE I-74) FROM I-40 BUS/US 421 TO I-40**



INDEX OF SHEETS

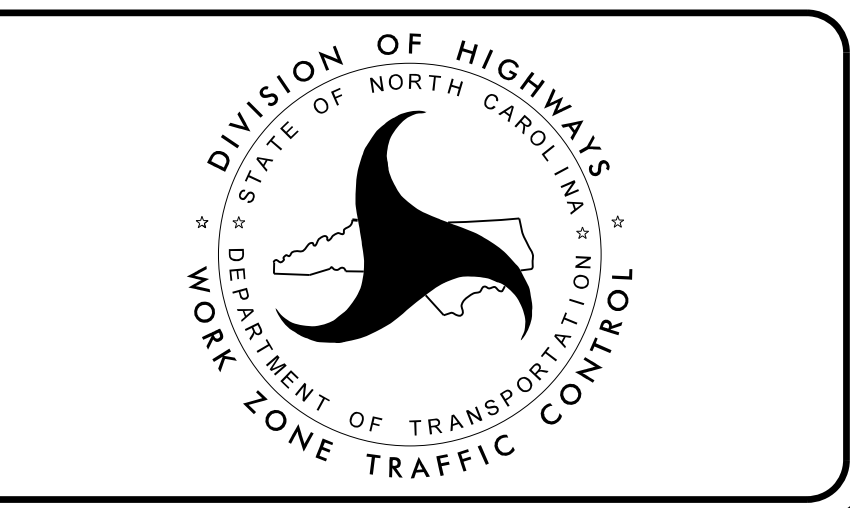
SHEET NO.	TITLE
TMP-1	TITLE SHEET, VICINITY MAP, AND INDEX OF SHEETS
TMP-1A	LIST OF APPLICABLE ROADWAY STANDARD DRAWINGS, AND LEGEND
TMP-1B & TMP-1C	TRANSPORTATION OPERATIONS PLAN: (MANAGEMENT STRATEGIES, GENERAL NOTES, AND LOCAL NOTES)
TMP-2 AND TMP-2A	SPECIAL SIGN DESIGNS
TMP-2B THRU TMP-2F	MEDIAN ACCESS DETAIL AND SPECIAL SIGNS
TMP-3 THRU TMP-3B	TEMPORARY TRAFFIC CONTROL PHASING
TMP-4	PROJECT LAYOUT
TMP-5.01 THRU TMP-5.08	AREA 2 DETAIL SHEETS
TMP-6.01 THRU TMP-6.12	AREA 3 DETAIL SHEETS
TMP-7.01 THRU TMP-7.78	AREA 4 DETAIL SHEETS
TMP-7.79 THRU TMP-7.90	AREA 4 CUT SECTIONS
TMP-8.01 THRU TMP-8.09	AREA 5 DETAIL SHEETS

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 DATE: 10/12/2021



PLANS PREPARED BY:
 MICHELLE WARD, P.E.
 TRAFFIC CONTROL PROJECT ENGINEER
 CHRIS HARNDEN
 TRAFFIC CONTROL DESIGN ENGINEER

NCDOT CONTACTS:
 KEN THORNEWELL, P.E.
 PROJECT ENGINEER
 ALLA LYUDMIRSKAYA
 PROJECT DESIGN ENGINEER



PLAN PREPARED BY:
HR HDR Engineering, Inc. of the Carolinas
 555 Fayetteville St, Suite 900 Raleigh, N.C. 27601
 N.C.B.E.L.S. License Number: F-0116

**DOCUMENT NOT CONSIDERED FINAL
UNLESS ALL SIGNATURES COMPLETED**

APPROVED: *Michelle Ward*
DATE: 10/13/2021

SEAL

TIP PROJECT: U-2579AB




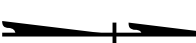


ROADWAY STANDARD DRAWINGS


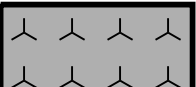
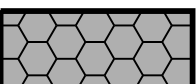
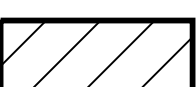

THE FOLLOWING ROADWAY STANDARDS AS SHOWN IN "ROADWAY STANDARD DRAWINGS" - PROJECT SERVICES UNIT - N.C. DEPARTMENT OF TRANSPORTATION - RALEIGH, N.C., DATED JANUARY 2018 ARE APPLICABLE TO THIS PROJECT AND BY REFERENCE HEREBY ARE CONSIDERED A PART OF THESE PLANS:

STD. NO.	TITLE
1101.01	WORK ZONE ADVANCE WARNING SIGNS
1101.02	TEMPORARY LANE CLOSURES
1101.03	TEMPORARY ROAD CLOSURES
1101.04	TEMPORARY SHOULDER CLOSURES
1101.05	WORK ZONE VEHICLE ACCESSES
1101.11	TRAFFIC CONTROL DESIGN TABLES
1110.01	STATIONARY WORK ZONE SIGNS
1110.02	PORTABLE WORK ZONE SIGNS
1115.01	FLASHING ARROW BOARDS
1130.01	DRUMS
1135.01	CONES
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 MULTI-LANE ROADWAYS
1205.04	PAVEMENT MARKINGS - INTERSECTIONS
1205.05	PAVEMENT MARKINGS - TURN LANES
1205.07	PAVEMENT MARKINGS - PEDESTRIAN CROSSWALKS
1205.08	PAVEMENT MARKINGS - SYMBOLS AND WORD MESSAGES
1205.09	PAVEMENT MARKINGS - PAINTED ISLANDS
1205.12	PAVEMENT MARKINGS - BRIDGES
1205.13	PAVEMENT MARKINGS - LANE REDUCTIONS
1205.14	PAVEMENT MARKINGS - ROUNDABOUTS
1250.01	RAISED PAVEMENT MARKERS - INSTALLATION SPACING
1251.01	RAISED PAVEMENT MARKERS - PERMANENT AND TEMPORARY
1253.01	RAISED PAVEMENT MARKERS - SNOWPLOWABLE
1261.01	GUARDRAIL AND BARRIER DELINEATORS - INSTALLATION SPACING
1261.02	GUARDRAIL AND BARRIER DELINEATORS - TYPES AND MOUNTING
1262.01	GUARDRAIL END DELINEATION
1264.01	OBJECT MARKERS - TYPES
1264.02	OBJECT MARKERS - INSTALLATION




LEGEND

GENERAL



-  DIRECTION OF TRAFFIC FLOW
-  DIRECTION OF PEDESTRIAN TRAFFIC FLOW
-  EXIST. PVMT.
-  NORTH ARROW
-  PROPOSED PVMT.
-  TEMP. SHORING (LOCATION PURPOSES ONLY)

-  WORK AREA
-  ONGOING CONSTRUCTION
-  TEMPORARY PAVEMENT
-  WEDGING
-  REMOVAL







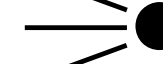




SIGNALS

-  EXISTING
-  PROPOSED
-  TEMPORARY




PAVEMENT MARKINGS

-  EXISTING LINES
-  TEMPORARY LINES




TRAFFIC CONTROL DEVICES

-  BARRICADE (TYPE III)
-  CONE
-  DRUM
-  SKINNY DRUM
-  TUBULAR MARKER
-  TEMPORARY CRASH CUSHION
-  FLASHING ARROW BOARD
-  FLAGGER
-  LAW ENFORCEMENT
-  TRUCK MOUNTED ATTENUATOR (TMA)
-  CHANGEABLE MESSAGE SIGN


TEMPORARY SIGNING

-  PORTABLE SIGN
-  STATIONARY SIGN
-  STATIONARY OR PORTABLE SIGN

PAVEMENT MARKERS

-  CRYSTAL/CRYSTAL
-  CRYSTAL/RED
-  YELLOW/YELLOW

PAVEMENT MARKING SYMBOLS

-  PAVEMENT MARKING SYMBOLS

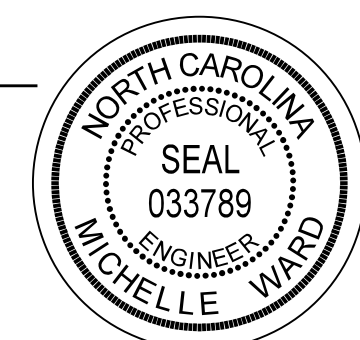
TEMPORARY PAVEMENT MARKING

P1	PAINT 4" WHITE EDGELINE	P70	PAINT LEFT TURN ARROW	Z21	WZ PERFORMANCE 6" WHITE SOLID LINE
P2	PAINT 4" WHITE SOLID LANE LINE	P71	PAINT RIGHT TURN ARROW	Z22	WZ PERFORMANCE 6" 10'-30'/SP. WHITE SKIP
P4	PAINT 4" 3'-9'/SP. WHITE MINI-SKIP	P72	PAINT STRAIGHT ARROW	Z23	WZ PERFORMANCE 6" 3'-9'/SP. WHITE MINI-SKIP
P5	PAINT 4" 2'-6'/SP. WHITE MINI-SKIP	P74	PAINT COMBO RIGHT-STRAIGHT ARROW	Z31	WZ PERFORMANCE 6" YELLOW SOLID LINE
P10	PAINT 4" YELLOW EDGELINE	P100	PAINT ALPHANUMERIC CHARACTER	Z50	WZ PERFORMANCE 12" WHITE SOLID LINE
P13	PAINT 4" YELLOW DOUBLE CENTER			Z79	WZ PERFORMANCE MERGE ARROW
P14	PAINT 4" 2'-6'/SP. YELLOW MINI-SKIP	C20	COLD APPLIED PLASTIC 6" WHITE EDGELINE - TYPE IV		
P41	PAINT 8" WHITE DIAGONAL	C21	COLD APPLIED PLASTIC 6" WHITE SOLID LANE LINE - TYPE IV		
P42	PAINT 8" YELLOW DIAGONAL	C22	COLD APPLIED PLASTIC 6" 10'-30'/SP. WHITE SKIP - TYPE IV		
P61	PAINT 24" WHITE STOPBAR	C30	COLD APPLIED PLASTIC 6" YELLOW EDGELINE - TYPE IV		
P62	PAINT 24" WHITE CROSSWALK LINE				

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APPROVED: *Michelle Ward*

DATE: 10/13/2021



**DOCUMENT NOT CONSIDERED FINAL
UNLESS ALL SIGNATURES COMPLETED**



**ROADWAY STANDARD
DRAWINGS & LEGEND**

MANAGEMENT STRATEGIES

SEE PROJECT CONTRACT FOR AREA (SEGMENT) AVAILABILITY DATES

AREA 4

ALL EXISTING I-40 CONCRETE SLAB REPAIRS WILL BE CONDUCTED USING LANE CLOSURES DURING VARIOUS PHASES OF CONSTRUCTION.

PHASE 1, STEP 1: I-40 (-Y15-) WILL REMAIN IN THE EXISTING PATTERN AND UTILIZE LANE CLOSURES/NARROWING TO CONSTRUCT TEMPORARY PAVEMENT TO THE INSIDE EB LANES. NEW LOCATION WORK IN THE INTERCHANGE, INCLUDING STAGE 1 CULVERT AND BRIDGES, WILL BEGIN IN PHASE 1, STEP 1, AWAY FROM TRAFFIC. DEMOLITION OF THE EXISTING OAK GROVE CHURCH ROAD BRIDGE WILL ALSO BEGIN. CONSTRUCTION OF MULTIPLE TURN-AROUNDS WILL NEED TO BE COMPLETED.

PHASE 1, STEP 2: SHIFT EB I-40 (-Y15-) TRAFFIC ONTO TEMPORARY PAVEMENT AND CONSTRUCT OUTSIDE WIDENING, INCLUDING ADDITIONAL TEMPORARY PAVEMENT ALONG PROPOSED. COMPLETE STAGE 1 CULVERT CONSTRUCTION AND STREAM RELOCATION AND CONSTRUCT -Y15XOVR3-. CONSTRUCT OUTSIDE TEMPORARY PAVEMENT ON EXISTING -UXRPB- ENTRANCE RAMP. DURING AN ICT IN PHASE 1, STEP 2A, EXIT RAMP (-UXRPC-) FOR EB I-40 (-Y15-) TO UNION CROSS RD WILL BE TEMPORARILY CLOSED FOR CONSTRUCTION USING AN OFF-SITE DETOUR, THEN RE-OPENED TO TRAFFIC.

PHASE 2: EB I-40 TRAFFIC WILL BE SHIFTED TOWARD THE OUTSIDE AND ONTO THE NEW -Y15REV- ALIGNMENT. WB I-40 WILL BE SHIFTED ONTO THE OUTSIDE SHOULDER. THE INSIDE LANE OF -Y15-/-Y15REV- AND TEMPORARY CROSSOVERS ON I-40 WILL BE CONSTRUCTED BEHIND BARRIER. THE PORTION OF OAK GROVE CHURCH RD SPANNING EXISTING EB I-40 (-Y15-) WILL BE REMOVED AWAY FROM TRAFFIC.

PHASE 3, STEP 1: WB I-40 TRAFFIC WILL BE SHIFTED ONTO THE EB SIDE OF THE NEW (-Y15REV-) ALIGNMENT UTILIZING TEMPORARY ALIGNMENT CROSSOVERS. CONTINUE CONSTRUCTION OF I-40 NEW ALIGNMENT (-Y15REV-), INCLUDING ADDITIONAL STRUCTURE CONSTRUCTION OVER -Y15REV-. AWAY FROM TRAFFIC, REMOVE EXISTING I-40 (-Y15-) PAVEMENT AND CONSTRUCT REMAINDER OF WINSTON-SALEM NORTHERN BELTWAY (-L-) IN THIS AREA. THE REMAINDER OF THE OAK GROVE CHURCH ROAD BRIDGE CAN NOW BE REMOVED AWAY FROM TRAFFIC.

PHASE 3, STEP 2: WB I-40 TRAFFIC IS SHIFTED FROM THE PROPOSED EB -Y15REV- ALIGNMENT TO THE PROPOSED WB LANES IN A TEMPORARY PATTERN AND THE MEDIAN LANES ARE CONSTRUCTED IN THE AREAS OF THE CROSSOVERS AS WELL AS COMPLETION OF THE MEDIAN BARRIER ALONG -Y15REV-.

PHASE 4: EB & WB I-40 (-Y15-/-Y15REV-) IS PLACED IN A TEMPORARY PATTERN WHILE THE REMAINDER OF THE OUTSIDE CONSTRUCTION ON WB I-40 IS COMPLETED, INCLUDING NOISE WALL. TEMPORARY PAVEMENT OFF OF PROPOSED WILL BE REMOVED AND REMAINING OF SHOULDER WORK IN THOSE AREAS WILL BE COMPLETED. DURING AN ICT IN PHASE 4, STEP 1A, ENTRANCE RAMP (-UXRPB-) FROM UNION CROSS RD TO WB I-40 (-Y15-) WILL BE TEMPORARILY CLOSED FOR CONSTRUCTION USING AN OFFSITE DETOUR, THEN RE-OPENED TO TRAFFIC.

AREA 5

GLENN HI RD (-Y16-) WILL REMAIN IN EXISTING PATTERNS DURING TEMPORARY PAVEMENT (-Y16DET-) CONSTRUCTION. MAINTAIN DRIVEWAY ACCESS TO FARMLAND AND RESIDENCE UNTIL -Y16- IS CONSTRUCTED.

ONCE TEMPORARY PAVEMENT (-Y16DET-) IS COMPLETE, TRAFFIC WILL BE SHIFTED ONTO TEMPORARY PAVEMENT TO CONSTRUCT GLENN HI RD (-Y16-). MAINTAIN ACCESS TO YEATON GLEN DRIVE (-Y16B-) DURING CONSTRUCTION.

AREA 1

MAINLINE -L- FROM STA. 73+00 +/- TO STA. 733+00 +/- AND PORTION OF RAMPS WILL BE CONSTRUCTED AS MUCH AS POSSIBLE WITHOUT PROHIBITING RESIDENTIAL ACCESS. MAINLINE -L- CONSTRUCTION WILL BE COMPLETED ONCE TURN-AROUNDS / CUL-DE-SACS ARE CONSTRUCTED AND SERVICE ROADS ARE COMPLETED AND OPEN TO TRAFFIC TO MAINTAIN ACCESS TO ALL PRIVATE PROPERTIES.

AREA 2

SEdge GARDEN RD (-Y1B-) WILL REMAIN IN EXISTING PATTERNS DURING TEMPORARY PAVEMENT (-Y1BDET-) CONSTRUCTION. SCHOOL VIEW RD AND OLD WINSTON RD WILL BE PERMANENTLY CLOSED.

TRAFFIC WILL BE SHIFTED TO THE ON-SITE DETOUR (-Y1BDET-) TO CONSTRUCT PROPOSED SEdge GARDEN RD (-Y1B-).

AREA 3

KERNERSVILLE RD (-Y4-) WILL REMAIN IN EXISTING PATTERNS DURING TEMPORARY PAVEMENT (-Y4DET-) CONSTRUCTION. PROPOSED OUTSIDE WIDENING WILL BE CONSTRUCTED ON THE RIGHT SIDE FOR TEMPORARY PAVEMENT CONNECTIONS ON KERNERSVILLE RD (-Y4-).

ONCE TEMPORARY PAVEMENT (-Y4DET-) IS COMPLETE, TRAFFIC WILL BE SHIFTED ONTO TEMPORARY ALIGNMENT TO CONSTRUCT REMAINDER OF KERNERSVILLE RD (-Y4-) INCLUDING BRIDGE OVER WINSTON-SALEM NORTHERN BELTWAY (-L-). COMPLETE CONSTRUCTION OF LINVILLE RD (-Y4A-) AND SEdge GARDEN RD (-Y1B- AND -Y1-).

SHIFT TRAFFIC ONTO KERNERSVILLE RD (-Y4-) IN A TEMPORARY DDI PATTERN WITH ALL RAMPS CLOSED THEN REMOVE TEMPORARY PAVEMENT (-Y4DET-) AND CONSTRUCT REMAINING MONOLITHIC AND MEDIAN ISLANDS, CURB & GUTTER, AND SIDEWALK USING LANE CLOSURES/NARROWING. THIS WORK WILL BE COMPLETED DURING A 240 DAY ICT AND THEN ALL ROADS WILL OPEN TO THE FINAL PATTERN.

GENERAL NOTES

CHANGES MAY BE REQUIRED WHEN PHYSICAL DIMENSIONS IN THE DETAIL DRAWINGS, STANDARD DETAILS, AND ROADWAY DETAILS ARE NOT ATTAINABLE TO MEET FIELD CONDITIONS OR RESULT IN DUPLICATE OR UNDESIRED OVERLAPPING OF DEVICES. MODIFICATION MAY INCLUDE: MOVING, 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
I-40 (-Y15-/-Y15REV-)	MONDAY - FRIDAY 5:00 A.M. - 9:00 P.M. SATURDAY 7:00 A.M. - 7:00 P.M. SUNDAY 9:00 A.M. - 8:00 P.M.
KERNERSVILLE RD (-Y4-)	MONDAY - FRIDAY 6:00 A.M. - 7:00 P.M.
SEdge GARDEN RD (-Y1-/-Y1B-) LINVILLE RD (-Y4A-) GLENN HI RD (-Y16-)	MONDAY - FRIDAY 6:00 A.M. - 9:00 A.M. 3:00 P.M. - 6:00 P.M.

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

ROAD NAME	HOLIDAY
I-40 (-Y15-/-Y15REV-)	1. FOR ANY UNEXPECTED OCCURRENCE THAT CREATES UNUSUALLY HIGH TRAFFIC VOLUMES, AS DIRECTED BY THE ENGINEER. 2. FOR NEW YEAR'S, BETWEEN THE HOURS OF 5:00 A.M. DECEMBER 31st TO 9:00 P.M. JANUARY 2ND. IF NEW YEAR'S DAY IS ON A FRIDAY, SATURDAY, SUNDAY, OR MONDAY THEN UNTIL 9:00 P.M. THE FOLLOWING TUESDAY. 3. FOR EASTER, BETWEEN THE HOURS OF 5:00 A.M. THURSDAY AND 9:00 P.M. MONDAY. 4. FOR MEMORIAL DAY, BETWEEN THE HOURS OF 5:00 A.M. FRIDAY TO 9:00 P.M. TUESDAY. 5. FOR INDEPENDENCE DAY, BETWEEN THE HOURS OF 5:00 A.M. THE DAY BEFORE INDEPENDENCE DAY AND 9:00 P.M. THE DAY AFTER INDEPENDENCE DAY.

ROAD NAME	HOLIDAY
I-40 (-Y15-/-Y15REV-)	6. FOR LABOR DAY, BETWEEN THE HOURS OF 5:00 A.M. FRIDAY AND 9:00 P.M. TUESDAY. 7. FOR THANKSGIVING DAY, BETWEEN THE HOURS OF 5:00 A.M. TUESDAY TO 9:00 P.M. MONDAY.

- FOR CHRISTMAS, BETWEEN THE HOURS OF 5:00 A.M. THE FRIDAY BEFORE THE WEEK OF CHRISTMAS DAY AND 9:00 P.M. THE FOLLOWING TUESDAY AFTER THE WEEK OF CHRISTMAS.
- FOR WAKE FOREST UNIVERSITY EVENTS OCCURING AT TRUIST FIELD AT WAKE FOREST, BETWEEN FOUR (4) HOURS BEFORE THE START AND FOUR (4) HOURS AFTER THE END OF EACH EVENT.
- FOR THE CAROLINA CLASSIC FAIR IN WINSTON-SALEM BETWEEN THE HOURS OF 7:00 A.M. THE DAY BEFORE THE START OF THE FAIR AND 7:00 P.M. THE FOLLOWING DAY AFTER THE END OF THE FAIR.

ROAD NAME

KERNERSVILLE RD (-Y4-)

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 7:00 P.M. JANUARY 2ND. IF NEW YEAR'S DAY IS ON A FRIDAY, SATURDAY, SUNDAY, OR MONDAY THEN UNTIL 7:00 P.M. THE FOLLOWING TUESDAY.
- FOR EASTER, BETWEEN THE HOURS OF 6:00 A.M. THURSDAY AND 7:00 P.M. MONDAY.
- FOR MEMORIAL DAY, BETWEEN THE HOURS OF 6:00 A.M. FRIDAY TO 7:00 P.M. TUESDAY.
- FOR INDEPENDENCE DAY, BETWEEN THE HOURS OF 6:00 A.M. THE DAY BEFORE INDEPENDENCE DAY AND 7:00 P.M. THE DAY AFTER INDEPENDENCE DAY.

IF INDEPENDENCE DAY IS ON A FRIDAY, SATURDAY, SUNDAY OR MONDAY THEN BETWEEN THE HOURS OF 6:00 A.M. THE THURSDAY BEFORE INDEPENDENCE DAY AND 7:00 P.M. THE TUESDAY AFTER INDEPENDENCE DAY.
- FOR LABOR DAY, BETWEEN THE HOURS OF 6:00 A.M. FRIDAY AND 7:00 P.M. TUESDAY.
- FOR THANKSGIVING DAY, BETWEEN THE HOURS OF 6:00 A.M. TUESDAY TO 7:00 P.M. MONDAY.
- FOR CHRISTMAS, BETWEEN THE HOURS OF 6:00 A.M. THE FRIDAY BEFORE THE WEEK OF CHRISTMAS DAY AND 7:00 P.M. THE FOLLOWING TUESDAY AFTER THE WEEK OF CHRISTMAS.
- FOR WAKE FOREST UNIVERSITY EVENTS OCCURING AT TRUIST FIELD AT WAKE FOREST, BETWEEN FOUR (4) HOURS BEFORE THE START AND FOUR (4) HOURS AFTER THE END OF EACH EVENT.
- FOR THE CAROLINA CLASSIC FAIR IN WINSTON-SALEM BETWEEN THE HOURS OF 7:00 A.M. THE DAY BEFORE THE START OF THE FAIR AND 7:00 P.M. THE FOLLOWING DAY AFTER THE END OF THE FAIR.

C) FOR RAMP CLOSURES ALLOWED IN AREA 4, PHASE 1, STEP 2A, AND AREA 4, PHASE 4, STEP 1A, DO NOT CLOSE ROADS AS FOLLOWS:

ROAD NAME	DAY AND TIME RESTRICTIONS
ON-RAMP & OFF-RAMP (-UXRPB- & -UXRPC-) AT THE I-40/UNION CROSS RD INTERCHANGE	ANYTIME ROBERT B. GLENN HIGH SCHOOL IS IN SESSION

PROJ. REFERENCE NO.	SHEET NO.
U-2579AB	TMP-1B



HDR Engineering, Inc. of the Carolinas
555 Fayetteville St, Suite 900 Raleigh, N.C. 27601
N.C.B.E.L.S. License Number: F-0116

SEGMENT 1

SEGMENT 2

SEGMENT 3

REVISIONS

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APPROVED: <i>Michelle Ward</i>			TRANSPORTATION OPERATIONS PLAN
DATE: 11/22/2021			
SEAL	DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED		

GENERAL NOTES

D) DO NOT STOP TRAFFIC AS FOLLOWS:

ROAD NAME	DAY AND TIME RESTRICTIONS	DURATION AND OPERATION
KERNERSVILLE RD (-Y4-)	MONDAY - SUNDAY: 6:00 A.M. - 12:00 A.M. (MIDNIGHT)	30 MINUTES FOR OVERHEAD SIGN INSTALLION, SIGNAL MAST ARMS, AND OVERHEAD BRIDGE WORK (IF NEEDED & APPROVED BY THE ENGINEER
I-40 (-Y15-/-Y15REV-)	MONDAY - SUNDAY: 5:00 A.M. - 12:00 A.M. (MIDNIGHT)	

E) DO NOT CONDUCT MULTI-VEHICLE HAULING AS FOLLOWS:

ROAD NAME	DAY AND TIME RESTRICTIONS
I-40 (-Y15-/-Y15REV-)	SAME RESTRICTIONS AS NOTE "A"
ALL OTHER ROADS	MONDAY - FRIDAY: 6:00 A.M. - 8:00 P.M.

F) 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

- G) 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.
 - H) 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.
 - I) 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.
- J) 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.
 - K) 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.
 - L) DO NOT INSTALL MORE THAN 1 MILE OF LANE CLOSURE ON I-40 (-Y15-/-Y15REV-) MEASURED FROM THE BEGINNING OF THE MERGE TAPER TO THE END OF THE LANE CLOSURE.
 - M) DO NOT INSTALL MORE THAN TWO (2) SIMULTANEOUS LANE CLOSURES IN ANY ONE DIRECTION ON I-40 (-Y15-/-Y15REV-).
 - N) PROVIDE A MINIMUM OF 1 MILE BETWEEN LANE CLOSURES, MEASURED FROM THE END OF ONE CLOSURE TO THE FIRST SIGN OF THE NEXT LANE CLOSURE.

PAVEMENT EDGE DROP OFF REQUIREMENTS

- O) 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.

P) 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 IN ADVANCE AND A MINIMUM OF EVERY HALF MILE THROUGHOUT THE UNEVEN AREA.

TRAFFIC PATTERN ALTERATIONS

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

SIGNING

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

PROVIDE SIGNING REQUIRED FOR THE OFF-SITE DETOUR ROUTE AS SHOWN IN THE TRAFFIC CONTROL PLANS.
 - T) COVER OR REMOVE ALL SIGNS AND DEVICES REQUIRED TO CLOSE THE ROAD WHEN ROAD CLOSURE IS NOT IN OPERATION.

COVER OR REMOVE ALL SIGNS REQUIRED FOR THE OFF-SITE DETOUR WHEN THE DETOUR IS NOT IN OPERATION.
 - U) ENSURE ALL NECESSARY SIGNING IS IN PLACE PRIOR TO ALTERING ANY TRAFFIC PATTERN.
 - V) INSTALL BLACK ON ORANGE "DIP" SIGNS (W8-2) AND/OR "BUMP" SIGNS (W8-1) 500 FT IN ADVANCE OF THE UNEVEN AREA, OR AS DIRECTED BY THE ENGINEER.
- TRAFFIC BARRIER**
- W) 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.


X) 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

Y) 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.

PROJ. REFERENCE NO.	SHEET NO.
U-2579AB	TMP-1C
 HDR Engineering, Inc. of the Carolinas 555 Fayetteville St, Suite 900 Raleigh, N.C. 27601 N.C.B.E.L.S. License Number: F-0116	

- Z) PLACE TYPE III BARRICADES, WITH "ROAD CLOSED" SIGN R11-2 ATTACHED, OF SUFFICIENT LENGTH TO CLOSE ENTIRE ROADWAY.
- AA) PLACE ADDITIONAL SETS OF THREE CHANNELIZING DEVICES (DRUMS, SKINNY DRUMS OR CONES) PERPENDICULAR TO THE EDGE OF TRAVELWAY ON 500 FT CENTERS WHEN UNOPENED LANES ARE CLOSED TO TRAFFIC.

PAVEMENT MARKINGS AND MARKERS

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

ROAD NAME	MARKING	MARKER
I-40 (-Y15-/-Y15REV-)	PERFORMANCE PAVEMENT MARKING (6") (SEE SPECIAL PROVISION)	TEMPORARY RAISED
ALL OTHER ROADS	PAINT (4") (IF ROAD IS CURRENTLY STRIPED)	TEMPORARY RAISED (IF EXISTING MARKERS ARE PRESENT)

CC) 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.

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

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

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

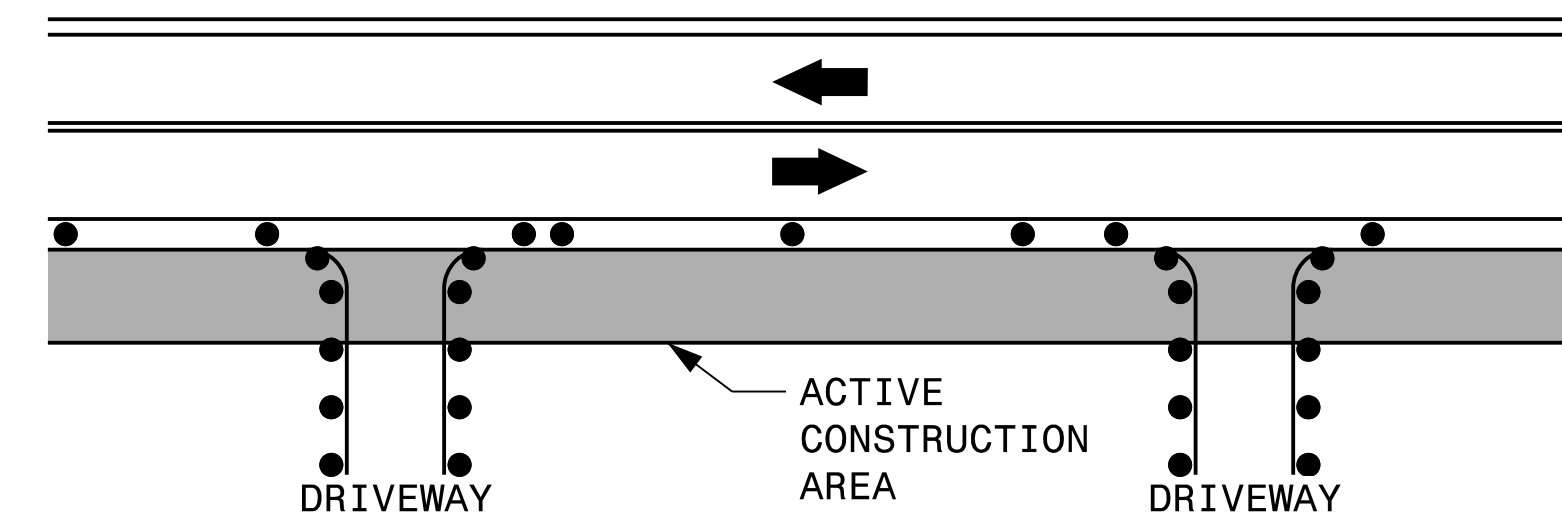
MISCELLANEOUS

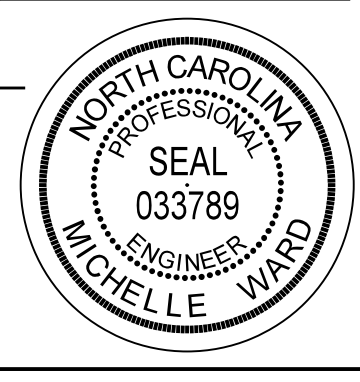
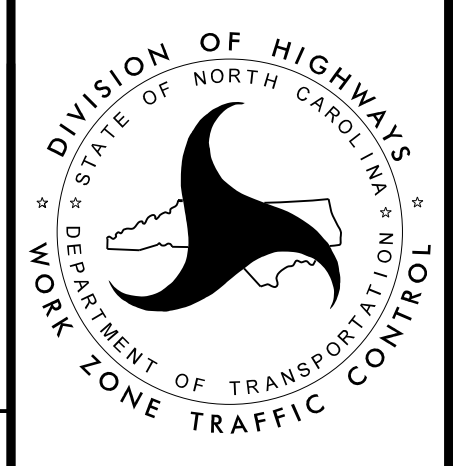
GG) LAW ENFORCEMENT SHOULD BE USED ON I-40 (-Y15-/-Y15REV-) & MAY BE USED ON ALL OTHER ROADS TO MAINTAIN TRAFFIC THROUGH THE WORK AREA AND/OR INTERSECTIONS AS DIRECTED BY THE ENGINEER.

HH) 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 250 FT RESPECTIVELY IN ADVANCE OF THE UNEVEN AREAS. USE DRUMS TO DELINEATE THE EDGE OF THE ROADWAY ALONG UNPAVED AREAS. ALLOWABLE ROADS TO USE LOOSE GRAVEL WILL BE DETERMINED BY THE ENGINEER.

II) PLACE DRUMS ALONG ALL DRIVEWAYS TO PREVENT TRAFFIC FROM ENTERING ACTIVE CONSTRUCTION AREAS.

DRUM PLACEMENT ALONG DRIVEWAYS TYPICAL



APPROVED: <i>Michelle Ward</i> DATE: 11/22/2021 SEAL			TRANSPORTATION OPERATIONS PLAN
DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED			

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 TIME: 11:34:44 AM
 DATE: 11/22/2021

REVISTIONS

SIGN NUMBER: SP-01
TYPE: STATIONARY
QUANTITY: 5
SIGN WIDTH: 3'-0"
HEIGHT: 3'-6"
TOTAL AREA: 10.5 Sq.Ft.

BACKG COLOR: Fluorescent Orange
COPY COLOR: Black

SYMBOL	X	Y	WID	HT

MAT'L: 0.080" (2.0 mm) ALUMINUM

BORDER TYPE: INSET
RECESS: 0.63"
WIDTH: 0.88"
RADII: 2.25"

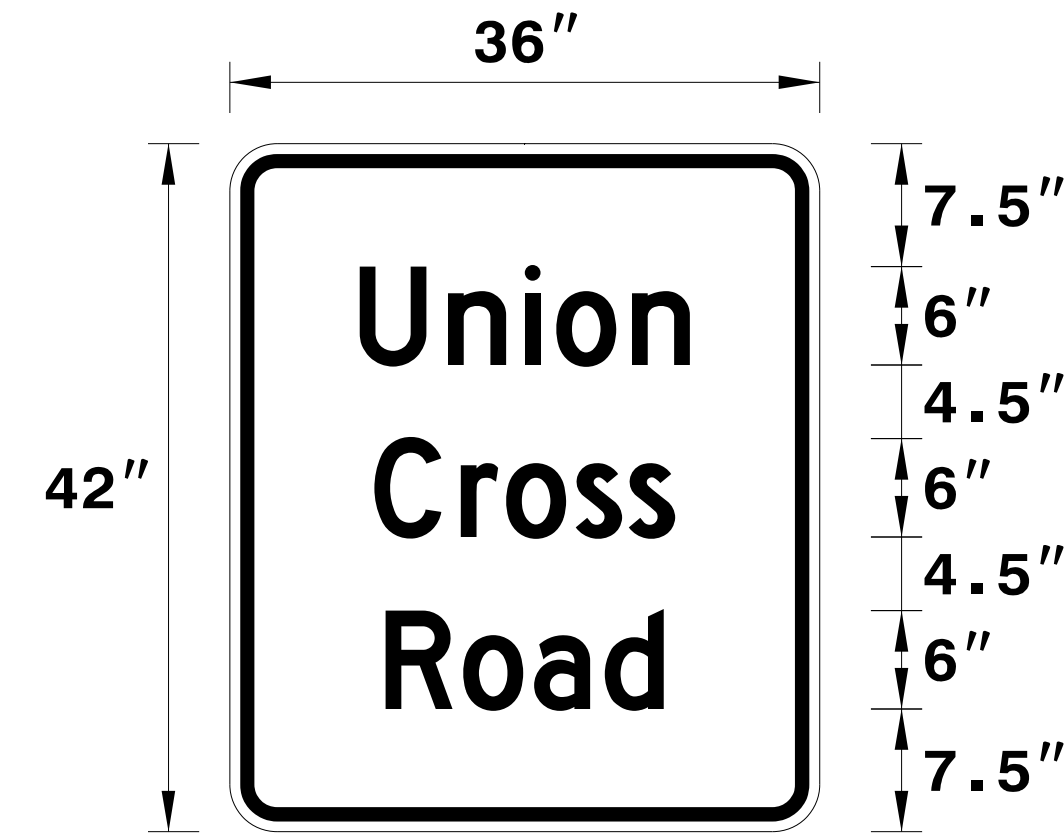
USE NOTES: 1,2

1. Legend and border shall be direct applied black non-reflective sheeting.
2. Background shall be NC GRADE B fluorescent orange retroreflective sheeting.

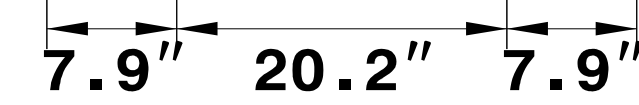
DESIGN BY: R. DRAYTON
PROJECT ID: U-2579AB

CHECKED BY: RON KING

Jul 12, 2021
DIV: 9



BORDER
R=2.25"
TH=0.88"
IN=0.63"



Spacing Factor is 1 unless specified otherwise

LETTER POSITIONS

Letter spacings are to start of next letter

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							Text Length
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	C	r	o	s	s		D 2000
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FILENAME: U2579AB_TC_TMP-02

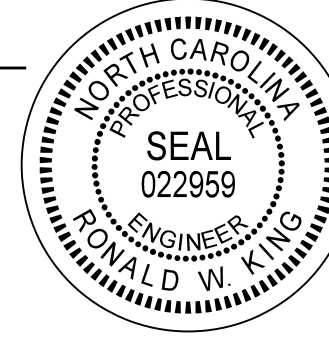
NORTH CAROLINA D.O.T. SIGN DETAIL

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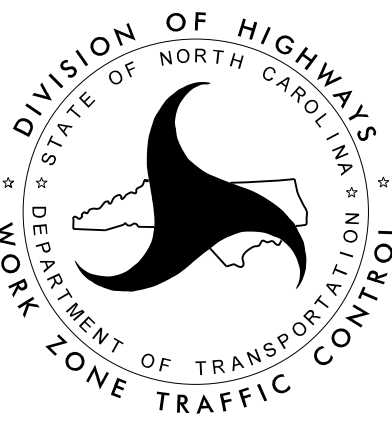
REVISIONS

APPROVED: *Ron King*
 DATE: 10/13/2021

SEAL



DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED



SPECIAL SIGN DESIGN
UNION CROSS RD

SIGN NUMBER: SP-02	BACKG COLOR: Fluorescent Orange	DESIGN BY: R. DRAYTON	CHECKED BY: RON KING	Dec 22, 2020
TYPE: STATIONARY	COPY COLOR: Black	PROJECT ID: U-2579AB		DIV: 9
QUANTITY: SEE PLANS				

SYMBOL	X	Y	WID	HT

SIGN WIDTH: 3'-0"
HEIGHT: 3'-6"
TOTAL AREA: 10.5 Sq.Ft.

BORDER TYPE: RECESSED
RECESS: 0.63"
WIDTH: 0.88"
RADII: 2.25"

NO. Z BARS: MAT'L: 0.080" (2.0 mm) ALUMINUM
LENGTH:

USE NOTES: 1,2

1. Legend and border shall be direct applied black non-reflective sheeting.
2. Background shall be NC GRADE B fluorescent orange retroreflective sheeting.

BORDER
R=2.25"
TH=0.88"
IN=0.63"

Spacing Factor is 1 unless specified otherwise

LETTER POSITIONS

Letter spacings are to start of next letter

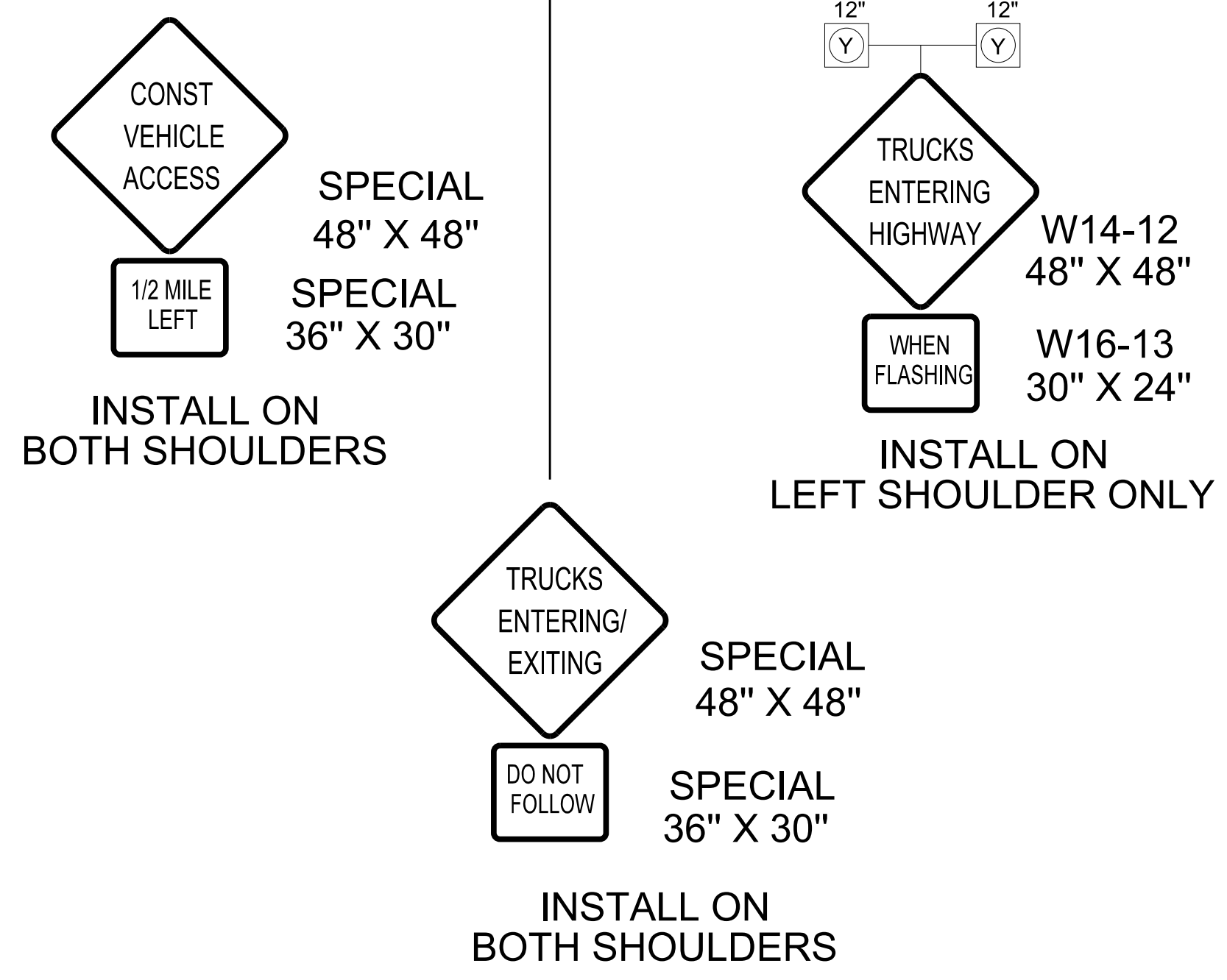
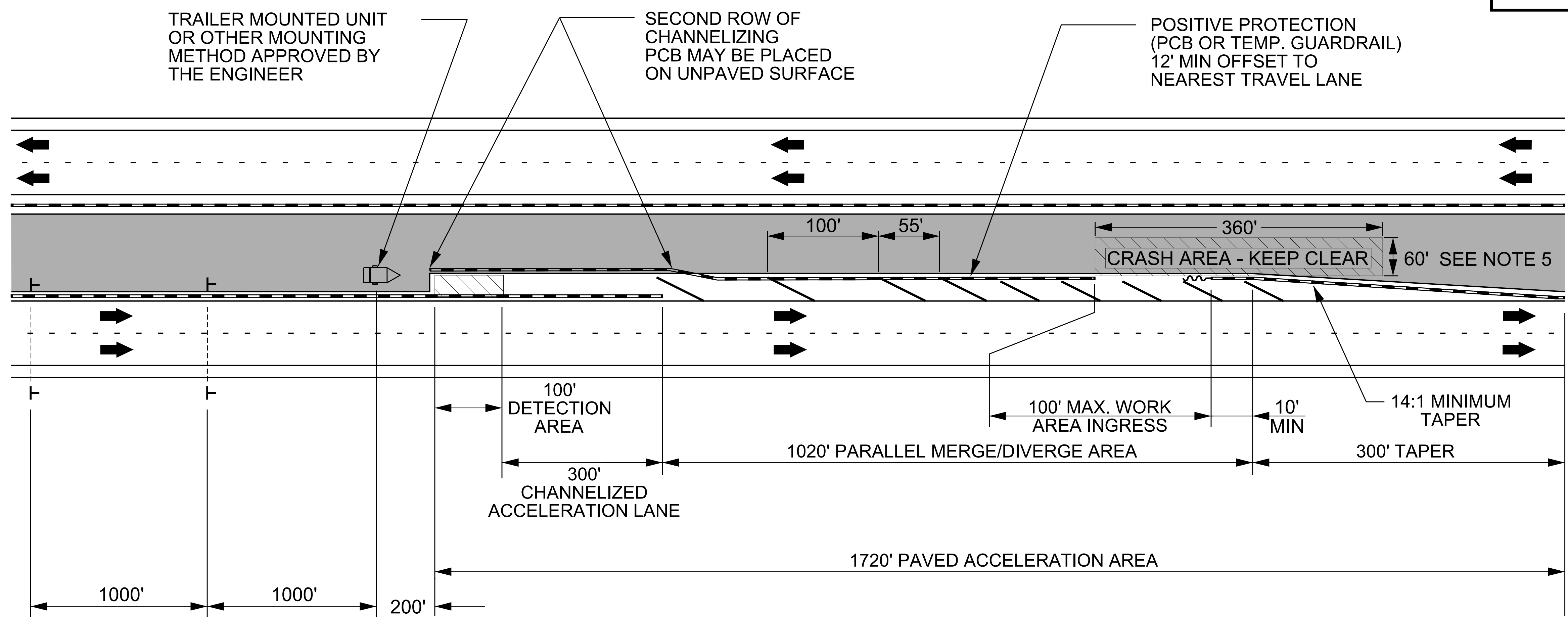
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	R	o	a	d						C 2000
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FILENAME: U2579AB_TC_TMP-02A NORTH CAROLINA D.O.T. SIGN DETAIL

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REVISIONS

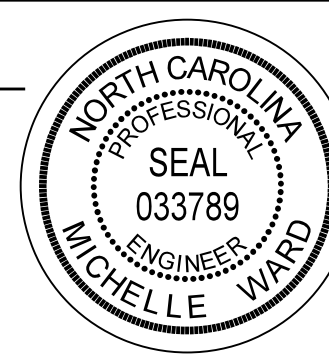

APPROVED: <i>Ron King</i> DATE: 10/13/2021 SEAL			SPECIAL SIGN DESIGN SEdge GARDEN RD
DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED			



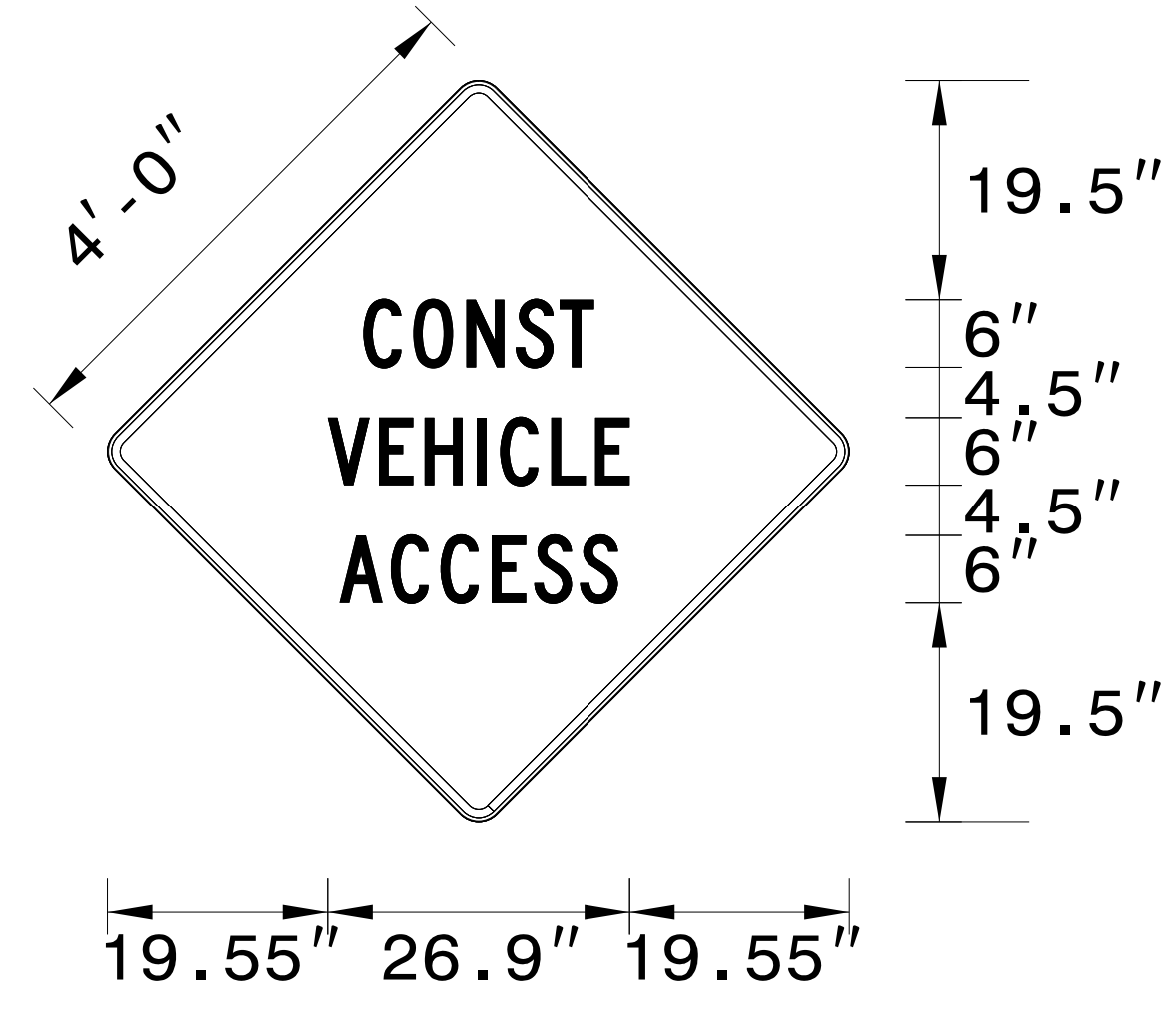
- NOTES:**
1. RELOCATE MEDIAN ACCESS POINTS, AS NEEDED, TO COMPLETE MEDIAN CONSTRUCTION AS APPROVED BY THE ENGINEER.
 2. PLACE YELLOW DIAGONAL PAVEMENT MARKINGS THROUGHOUT ACCESS LANE. SPACING FOR UPSTREAM HALF OF LANE SHALL BE 100', AND 55' FOR DOWNSTREAM HALF OF LANE.
 3. WHEN NOT IN USE FOR MORE THAN 72 HOURS, DRUMS SHALL BE USED ALONG THE SHOULDER TO CLOSE THE PARALLEL ACCELERATION/DECELERATION AREA.
 4. ALL WORK VEHICLES ATTEMPTING TO RE-ENTER AN OPEN TRAVEL LANE SHALL PASS THROUGH THE DETECTION AREA. WORK VEHICLES SHALL NOT LEAVE THE WORK AREA USING THE INGRESS POINT AT ANY TIME.
 5. NO MATERIALS OR EQUIPMENT SHALL BE STORED IN THE CRASH AREA DURING NON-WORKING HOURS.
 6. REFER TO TMP-2C THRU TMP-2D FOR SPECIAL SIGN DESIGNS.

PLOT DRIVER: NCDOT_pdf_color_eng_50.plt
 USER: CHARNDEN
 DATE: 7/13/2021
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REVISIONS

APPROVED: <i>Michelle Ward</i> DATE: 10/13/2021 SEAL 		TYPICAL MEDIAN ACCESS DETAIL
DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED		

SIGN NUMBER: WZTC TYPE: STATIONARY QUANTITY: SEE PLANS SIGN WIDTH: 5'-6" HEIGHT: 5'-6" TOTAL AREA: 30.3 Sq.Ft. BORDER TYPE: INSET RECESS: 0" WIDTH: 0" RADII: 0" NO. Z BARS: 2 LENGTH: 58.0	BACKG COLOR: Fluorescent Orange COPY COLOR: Black <table border="1"> <thead> <tr> <th>SYMBOL</th> <th>X</th> <th>Y</th> <th>WID</th> <th>HT</th> </tr> </thead> <tbody> <tr><td> </td><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td><td> </td></tr> </tbody> </table> MAT'L: 0.080" (2.0 mm) ALUMINUM	SYMBOL	X	Y	WID	HT																																																																							DESIGN BY: J.Navarrete PROJECT ID: U2579AB CHECKED BY: LOCATION: Mar 14, 2018 DIV:WZTC
SYMBOL	X	Y	WID	HT																																																																									



Spacing Factor is 1 unless specified otherwise

LETTER POSITIONS

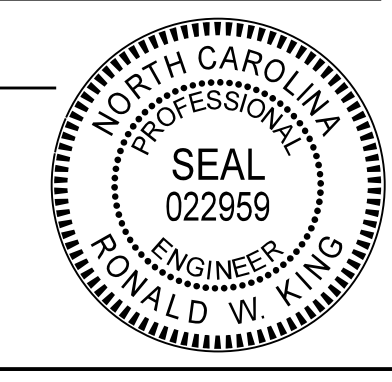
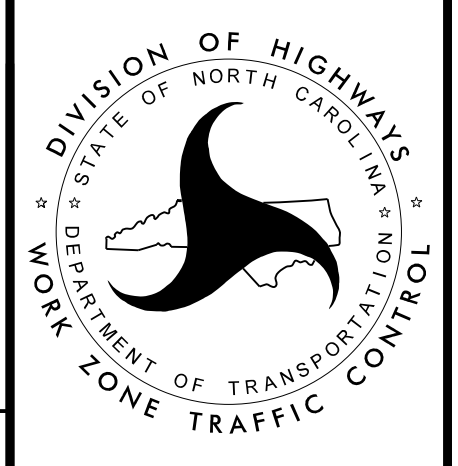
Letter spacings are to start of next letter

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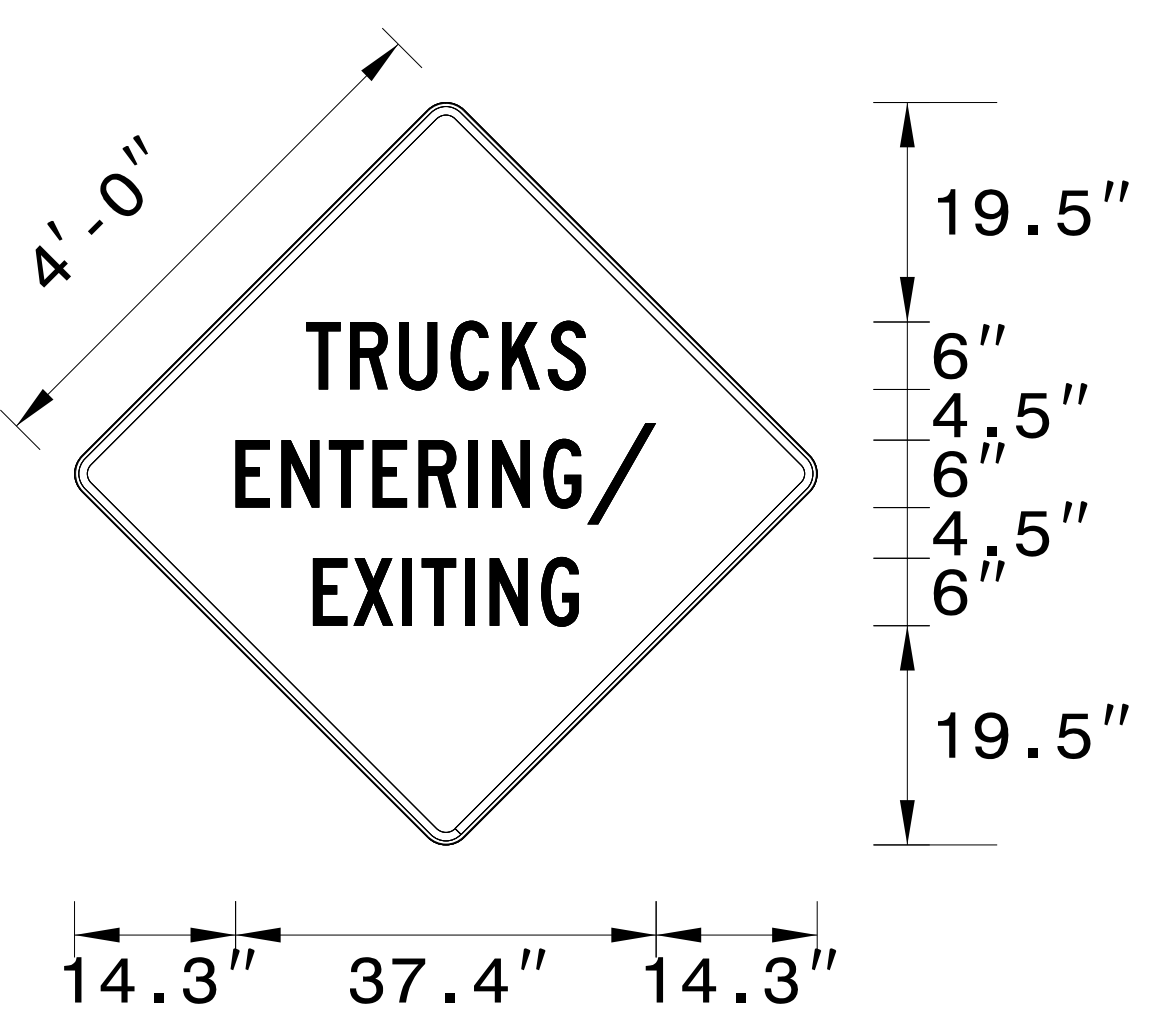
FILENAME: I5922 Sign Designs NORTH CAROLINA D.O.T. SIGN DETAIL

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 DATE: 7/13/2021
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REVISONS

APPROVED: <i>Ron King</i> DATE: 10/13/2021 SEAL DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED			MEDIAN ACCESS SPECIAL SIGN DESIGNS
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SIGN NUMBER: WZTC TYPE: STATIONARY QUANTITY: SEE PLANS SIGN WIDTH: 5'-6" HEIGHT: 5'-6" TOTAL AREA: 30.3 Sq.Ft. BORDER TYPE: INSET RECESS: 0" WIDTH: 0" RADII: 0" NO. Z BARS: 2 LENGTH: 58.0	BACKG COLOR: Fluorescent Orange COPY COLOR: Black <table border="1" style="width: 100%;"> <tr> <th>SYMBOL</th> <th>X</th> <th>Y</th> <th>WID</th> <th>HT</th> </tr> <tr><td> </td><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td><td> </td></tr> </table> MAT'L: 0.080" (2.0 mm) ALUMINUM	SYMBOL	X	Y	WID	HT																																				DESIGN BY: J.Navarrete PROJECT ID: U2579AB CHECKED BY: LOCATION: Mar 14, 2018 DIV: DIV
SYMBOL	X	Y	WID	HT																																						



Spacing Factor is 1 unless specified otherwise

USE NOTES: 1,2

- Legend and border shall be direct applied black non-reflective sheeting.
- Background shall be NC GRADE B fluorescent orange retroreflective sheeting.

LETTER POSITIONS


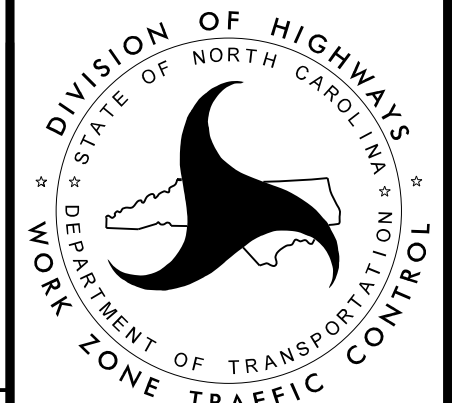
Letter spacings are to start of next letter

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FILENAME: I5922 Sign Designs NORTH CAROLINA D.O.T. SIGN DETAIL

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REVISIONS

APPROVED: <u>Ron King</u> DATE: <u>10/13/2021</u> SEAL			MEDIAN ACCESS SPECIAL SIGN DESIGNS
DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED			

SIGN NUMBER: WZTC **BACKG COLOR:** Fluorescent Orange
TYPE: STATIONARY **COPY COLOR:** Black
QUANTITY: SEE PLANS

SYMBOL	X	Y	WID	HT

SIGN WIDTH: 3'-0"
HEIGHT: 2'-6"
TOTAL AREA: 7.5 Sq.Ft.
BORDER TYPE: INSET
RECESS: 0.47"
WIDTH: 0.63"
RADII: 1.5"

NO. Z BARS: **MAT'L:** 0.080" (2.0 mm) ALUMINUM
LENGTH: **LENGTH:**

DESIGN BY: J.Navarrete **CHECKED BY:** Mar 14, 2018
PROJECT ID: U2579AB **LOCATION:** **DIV:** WZTC

BORDER
R=1.5"
TH=0.63"
IN=0.47"

Spacing Factor is 1 unless specified otherwise

USE NOTES: 1,2

- Legend and border shall be direct applied black non-reflective sheeting.
- Background shall be NC GRADE B fluorescent orange retroreflective sheeting.

LETTER POSITIONS

Letter spacings are to start of next letter

										Series/Size Text Length
	1/2		M	I	L	E				C 2000
6.6	5.9	5	4.4	1.8	3.3	2.6	6.6			22.9
	L	E	F	T						C 2000
12	3.3	3.4	2.8	2.6	12					12.1

FILENAME: I5922 Sign Designs

NORTH CAROLINA D.O.T. SIGN DETAIL

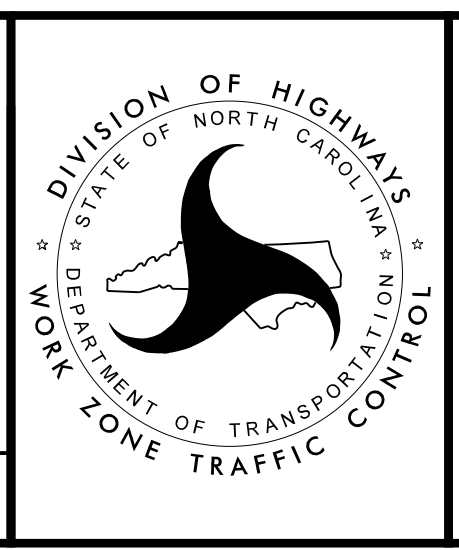
REVISIONS

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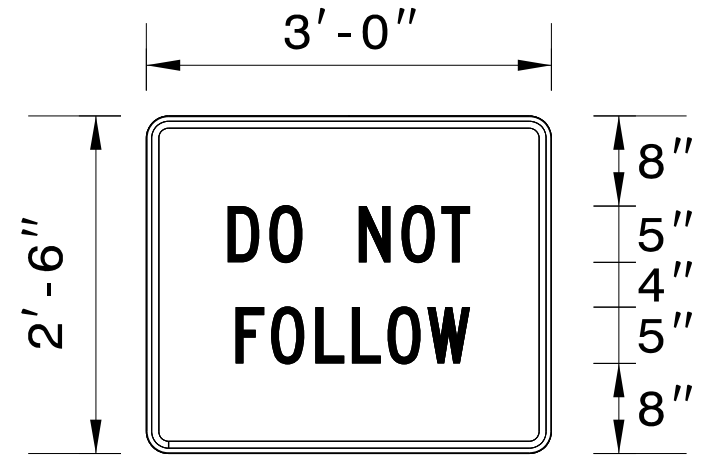
APPROVED: *Ron King*
DATE: 10/13/2021

SEAL

**DOCUMENT NOT CONSIDERED FINAL
UNLESS ALL SIGNATURES COMPLETED**

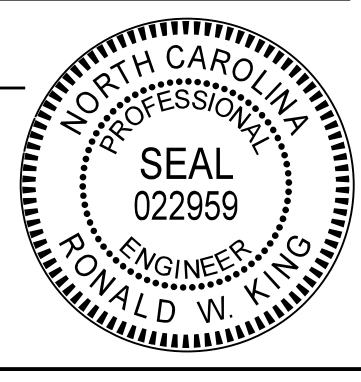
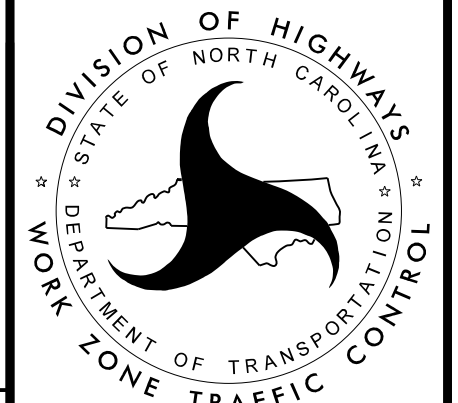


**MEDIAN ACCESS
SPECIAL SIGN
DESIGNS**


<p>SIGN NUMBER: WZTC TYPE: STATIONARY QUANTITY: SEE PLANS</p> <p>SIGN WIDTH: 3'-0" HEIGHT: 2'-6" TOTAL AREA: 7.5 Sq.Ft.</p> <p>BORDER TYPE: INSET RECESS: 0.47" WIDTH: 0.63" RADII: 1.5"</p> <p>NO. Z BARS: LENGTH:</p>	<p>BACKG COLOR: Fluorescent Orange COPY COLOR: Black</p> <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th>SYMBOL</th> <th>X</th> <th>Y</th> <th>WID</th> <th>HT</th> </tr> </thead> <tbody> <tr><td> </td><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td><td> </td></tr> </tbody> </table> <p>MAT'L: 0.080" (2.0 mm) ALUMINUM</p>	SYMBOL	X	Y	WID	HT																															<p>DESIGN BY: J.Navarrete PROJECT ID: U2579AB</p> <p>CHECKED BY: LOCATION: Mar 14, 2018 DIV:WZTC</p>	<div style="text-align: center;">  <p>BORDER R=1.5" TH=0.63" IN=0.47"</p> </div> <p style="text-align: right;">Spacing Factor is 1 unless specified otherwise</p>																																																																																																														
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<p>FILENAME: I5922 Sign Designs</p>				<p>NORTH CAROLINA D.O.T. SIGN DETAIL</p>																																																																																																																																																

REVISIONS

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<p>APPROVED: <u>Ron King</u></p> <p>DATE: <u>10/13/2021</u></p> <p style="text-align: center;">SEAL</p>			<p>MEDIAN ACCESS SPECIAL SIGN DESIGNS</p>
<p>DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED</p>			

PHASING

PROJ. REFERENCE NO.	SHEET NO.
U-2579AB	TMP-3A
 HDR Engineering, Inc. of the Carolinas 555 Fayetteville St, Suite 900 Raleigh, N.C. 27601 N.C.B.E.L.S. License Number: F-0116	

AREA 4 (CONTINUED) PHASE 4

STEP 1: (SEE TMP-7.61 THRU TMP-7.73)

USING LANE CLOSURES, PLACE TEMPORARY MARKINGS AND MARKERS AS SHOWN ON THE PHASE 4 DETAILS AND SHIFT TRAFFIC TO THE PHASE 4 TRAFFIC PATTERN.

NOTE:
CONSTRUCT TEMPORARY PAVEMENT ALONG INSIDE OF I-40 WB AS SHOWN ON TMP-7.73 PRIOR TO SHIFTING TO THE PHASE 4 PATTERN.

ONCE SHIFTED, USING LANE CLOSURES, RESET/INSTALL PCB, AS SHOWN ON THE PHASE 4 DETAILS, THEN BEHIND BARRIER AND AWAY FROM TRAFFIC, CONSTRUCT THE FOLLOWING:

- Y15- STA. 17+64 +/- TO STA. 51+00 +/-, INCLUDING NOISE WALL
- Y15REV- STA. 86+46 +/- TO -Y15- STA. 163+24.92
- Y15FLYAC- STA. 10+00 +/- TO STA. 16+36 +/-
- UXRPB- STA. 10+00.00 TO STA. 13+50 +/-

BEHIND BARRIER, REMOVE TEMPORARY WIDENING ALONG PROPOSED EASTBOUND SHOULDER FROM -Y15- STA. 53+12 +/- TO -Y15REV- STA. 21+02 +/- AND -Y15REV- STA. 68+96 +/- TO STA. 83+45 +/-.

WORK IN PHASE 4, STEP 1A BELOW MAY BE COMPLETED AT ANY TIME DURING PHASE 4, STEP 1, EXCEPT AS NOTED IN THE GENERAL NOTES (NOTE C).

COMPLETE THE WORK REQUIRED IN AREA 4 PHASE 4, STEP 1A IN FORTY-FIVE (45) CONSECUTIVE CALENDAR DAYS. SEE INTERMEDIATE CONTRACT TIME AND LIQUIDATED DAMAGES.

STEP 1A: (SEE TMP-7.74 THRU TMP-7.78)

INSTALL OFF-SITE DETOUR SIGNS AS SHOWN ON SHEETS TMP-7.77 & TMP-7.78, CLOSE -UXRPB- AND PLACE TRAFFIC ON THE OFF-SITE DETOUR, INSTALL BARRIER AS SHOWN ON SHEETS TMP-7.74 THRU TMP-7.76, THEN COMPLETE THE FOLLOWING BEHIND BARRIER AND AWAY FROM TRAFFIC:

- Y15- STA. 151+50 +/- TO -Y15- STA. 176+68 +/-
- UXRPB- STA. 10+00.00 TO STA. 22+70 +/-

ONCE WORK IS COMPLETE, PLACE TEMPORARY MARKING AND MARKERS AND RESET BARRIER TO THE PHASE 4, STEP 1 TRAFFIC PATTERN SHOWN ON SHEETS TMP-7.71 THRU TMP-7.73 AND RE-OPEN -UXRPB- TO THE PHASE 4, STEP 1 TRAFFIC PATTERN.

ONCE -UXRPB- HAS BEEN RE-OPENED, REMOVE OFF-SITE DETOUR SIGNING.

STEP 2:

BEHIND BARRIER AND AWAY FROM TRAFFIC AND USING LANE CLOSURES AS NEEDED, COMPLETE ALL REMAINING CONSTRUCTION IN AREA 4, PREVIOUSLY BEGUN, THEN REMOVE PCB, PLACE TEMPORARY MARKING AND MARKERS IN THE FINAL PATTERN AND OPEN I-40 TO THE FINAL PATTERN. DRUM OFF ALL RAMPS AT THIS TIME UNTIL -L- AND ALL RAMPS ARE READY TO OPEN.

STEP 3:

USING LANE CLOSURES, COMPLETE DIAMOND GRINDING ON I-40 (-Y15-/-Y15RREV-) AS SHOWN IN THE ROADWAY PLANS AND PLACE THE FINAL MARKINGS AND MARKERS ON ALL ROADS IN AREA 4 AND OPEN ALL ROADS TO THE FINAL TRAFFIC PATTERN, INCLUDING ALL RAMPS. (SEE FINAL PAVEMENT MARKING PLAN)

NOTE:
THIS STEP WILL COINCIDE WITH PLACEMENT OF FINAL LAYER AND FINAL MARKINGS ON THE ENTIRE PROJECT IN ORDER TO OPEN ALL TRAFFIC TO THE FINAL PATTERN.

AREA 4: EXISTING I-40 CONCRETE SLAB REPAIRS

EASTBOUND LANES:

DURING PHASE 1, STEP 1, USING LANE CLOSURES, COMPLETE CONCRETE REPAIR WORK FOR THE EXISTING INSIDE (MEDIAN) LANE.

AFTER SHIFTING TRAFFIC TO THE PHASE 1, STEP 2 PATTERN AND PRIOR TO PLACING THE PCB AS SHOWN IN PHASE 1, STEP 2, USING LANE CLOSURES, COMPLETE CONCRETE REPAIR WORK FOR THE EXISTING OUTSIDE LANE.

WESTBOUND LANES:

AFTER REMOVING THE PCB AS DESCRIBED IN PHASE 4, STEP 2 BUT PRIOR TO PLACING TEMPORARY MARKINGS IN THE FINAL PATTERN, USING LANE CLOSURES, COMPLETE CONCRETE REPAIR WORK FOR THE OUTSIDE LANE.

AFTER SHIFTING TO THE FINAL PATTERN, USING LANE CLOSURES, COMPLETE CONCRETE REPAIR WORK FOR THE INSIDE (MEDIAN) LANE.

OPTIONAL TIMELINE FOR EASTBOUND AND WESTBOUND LANES:

AT THE END OF PHASE 4, STEP 2 AFTER TRAFFIC HAS BEEN SHIFTED TO THE FINAL PATTERN, USING LANE CLOSURES, COMPLETE ALL CONCRETE REPAIR WORK.

AREA 5 (ROW/UTILITY SEGEMENT 1) (SEE TMP-8.01 THRU TMP-8.08)

PHASE 1

AWAY FROM TRAFFIC AND USING LANE CLOSURES AS NECESSARY, CONSTRUCT -Y16DET- AND TEMPORARY TIE TO -Y16B- (YEATON GLEN DR). ONCE -Y16DET- IS COMPLETE, PLACE TEMPORARY MARKINGS ON -Y16DET-.

AWAY FROM TRAFFIC, BEGIN CONSTRUCTION OF THE FOLLOWING:

- -L- STA. 805+00 +/- TO STA. 813+50 +/-
- -L- STA. 822+00 +/- TO STA. 836+32 +/-
- -Y15RPC- STA. 22+00 +/- TO STA. 28+07 +/-
- -Y15FLYAC- STA. 73+00 +/- TO STA. 80+93 +/-
- -Y15FLYAC- STA. 89+22 +/- TO STA. 93+23 +/-

PHASE 2

USING LANE CLOSURES, SHIFT TRAFFIC TO -Y16DET-, THEN AWAY FROM TRAFFIC, AND USING LANE CLOSURES AS NEEDED, CONSTRUCT -Y16- (GLENN HI RD) AND -Y16B- (YEATON GLEN DR).

MAINTAIN ACCESS TO -Y16B- (YEATON GLEN DR) DURING CONSTRUCTION.

ONCE CONSTRUCTION IS COMPLETE, AWAY FROM TRAFFIC AND USING LANE CLOSURES AS NEEDED, PLACE TEMPORARY MARKINGS AND MARKERS IN THE FINAL PATTERN. (SEE FINAL PAVEMENT MARKING PLAN)

PHASE 3

STEP 1:

USING LANE CLOSURES, PLACE TRAFFIC ON NEWLY CONSTRUCTED -Y16- (GLENN HI RD), THEN, AWAY FROM TRAFFIC AND USING LANE CLOSURES AS NEEDED, REMOVE -Y16DET- TEMPORARY ALIGNMENT.

AWAY FROM TRAFFIC, BEGIN CONSTRUCTION OF THE FOLLOWING:

- -L- STA. 813+50 +/- TO STA. 822+00 +/-
- -Y15RPC- STA. 28+07 +/- TO STA. 32+03 +/-
- -Y15FLYAC- STA. 80+93 +/- TO STA. 89+22 +/-

STEP 2:

AWAY FROM TRAFFIC, COMPLETE WORK BEGUN PREVIOUSLY ON -L- AND RAMPS IN AREA 5.

STEP 3:

USING LANE CLOSURES, PLACE FINAL LAYER OF SURFACE COURSE AND FINAL MARKINGS AND MARKERS ON ALL ROADS IN AREA 5 AND OPEN ALL ROADS TO THE FINAL PATTERN. (SEE FINAL PAVEMENT MARKING PLAN)

NOTE:
THIS STEP WILL COINCIDE WITH PLACEMENT OF FINAL LAYER AND FINAL MARKINGS ON THE ENTIRE PROJECT IN ORDER TO OPEN ALL TRAFFIC TO THE FINAL PATTERN.

AREA 1 (ROW/UTILITY SEGEMENT 2) (SEE TMP-4)

PHASE 1

AWAY FROM TRAFFIC, BEGIN CONSTRUCTION OF THE FOLLOWING:

- -L- STA. 730+00 +/- TO STA. 773+00 +/-
- -Y4RPC- STA. 10+00 +/- TO STA. 17+46 +/-
- -Y4RPD- STA. 10+00 +/- TO STA. 17+39 +/-
- -Y15FLYBD- STA. 10+00 +/- TO STA. 23+00 +/-
- -Y15FLYCA- STA. 78+89 +/- TO STA. 90+40 +/-

NOTE:
OMIT AREAS OF -L-, INCLUDING RAMPS, WHERE CONSTRUCTION CONFLICTS WITH EXISTING ACCESS AND WHERE PROPOSED SERVICE ROADS AND CONNECTIONS HAVE NOT BEEN COMPLETED. (SEE NEXT PARAGRAPH FOR MORE INFORMATION ON THESE LOCATIONS.)

AWAY FROM TRAFFIC AND USING LANE CLOSURES AS NEEDED, CONSTRUCT THE FOLLOWING, THEN PROCEED WITH -L- AND RAMP CONSTRUCTION IN THESE AREAS:

- -Y6- (ORVIL LN) CONNECTION TO -Y4B- (MOTSINGER DR) PRIOR TO CLOSING THE OTHER END OF -Y6- (ORVIL LN), CLOSING OAK GROVE CHURCH RD, AND CONSTRUCTING -L- OVER EXISTING ROAD.
- -Y8- (OAK RIDGE PLACE) CONNECTION TO MOTSINGER DR PRIOR TO CLOSING THE OTHER END OF -Y8- (OAK RIDGE PLACE), CLOSING OAK GROVE CHURCH RD, AND CONSTRUCTING -L- OVER EXISTING ROAD.
- -SR1- (OAK GROVE CHURCH RD REALIGNMENT) PRIOR TO CONSTRUCTING -L- OVER EXISTING OAK GROVE CHURCH ROAD

USING LANE CLOSURES, CONSTRUCT CUL-DE-SAC OR TURNAROUND AND/OR PERMANENTLY CLOSE THE FOLLOWING ROADS PRIOR TO BEGINNING ANY CONSTRUCTION THAT WOULD INTERFERE WITH TRAFFIC:

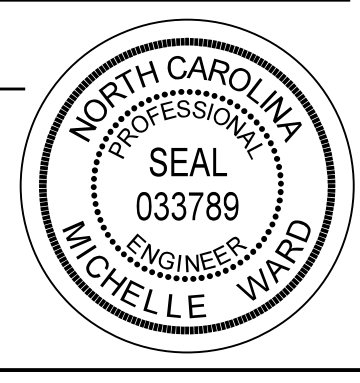
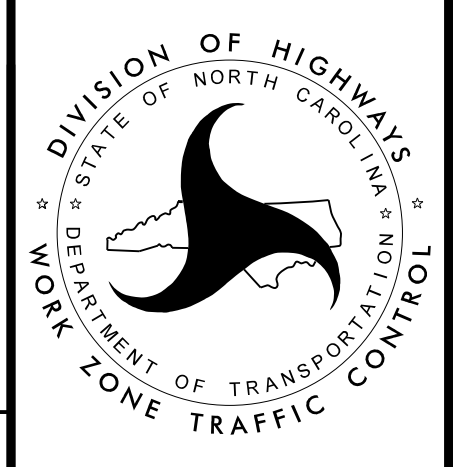
- -Y6- (ORVIL LN), GARDENVIEW DR, -Y8- (OAK RIDGE PL), OAKSBURG CT, AND OAKSHIRE RD

PHASE 2


AWAY FROM TRAFFIC AND USING LANE CLOSURES AS NEEDED, COMPLETE ALL WORK ON -L- AND RAMPS, (INCLUDING FINAL LAYER OF SURFACE COURSE ON ALL ASPHALT RAMPS), PLACE FINAL MARKINGS AND MARKERS ON ALL ROADS AND OPEN ALL ROADS TO THE FINAL TRAFFIC PATTERN.

NOTE:
THIS PHASE WILL COINCIDE WITH PLACEMENT OF FINAL LAYER AND FINAL MARKINGS ON THE ENTIRE PROJECT IN ORDER TO OPEN ALL TRAFFIC TO THE FINAL PATTERN.

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 TIME: 4:52:07 PM
 DATE: 10/12/2021

APPROVED: <i>Michelle Ward</i> DATE: 10/13/2021 		TEMPORARY TRAFFIC CONTROL PHASING
DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED		

PHASING

PROJ. REFERENCE NO.	SHEET NO.
U-2579AB	TMP-3B
 HDR Engineering, Inc. of the Carolinas 555 Fayetteville St, Suite 900 Raleigh, N.C. 27601 N.C.B.E.L.S. License Number: F-0116	

AREA 2 (ROW/UTILITY SEGEMENT 3)

(SEE TMP-5.01 THRU TMP-5.08)

PHASE 1

AWAY FROM TRAFFIC AND USING LANE CLOSURES AS NECESSARY, CONSTRUCT -Y1BDET-. ONCE -Y1BDET- IS COMPLETE, PLACE TEMPORARY MARKINGS AND MARKERS ON -Y1BDET-.

PERMANENTLY CLOSE SCHOOL VIEW RD AND OLD WINSTON RD AND CONSTRUCT CUL-DE-SAC'S. AWAY FROM TRAFFIC, REMOVE EXISTING PAVEMENT AS SHOWN ON TMP-5.02 FOR SCHOOL VIEW RD.

AWAY FROM TRAFFIC, BEGIN CONSTRUCTION OF THE FOLLOWING:

- -L- STA. 692+33 +/- TO STA. 701+00 +/-
- -L- STA. 708+00 +/- TO STA. 710+00 +/-
- -Y4RPA- STA. 10+65 +/- TO STA. 12+50 +/-
- -Y4RPB- STA. 10+00 +/- TO STA. 12+00 +/-

PHASE 2

USING LANE CLOSURES, SHIFT TRAFFIC TO -Y1BDET-, THEN AWAY FROM TRAFFIC AND USING LANE CLOSURES AS NEEDED, BEGIN CONSTRUCTION OF -Y1B- (SEdge GARDEN RD), INCLUDING WEDGING AS SHOWN ON SHEETS TMP-5.03 AND TMP-5.04.

ONCE CONSTRUCTION IS COMPLETE, AWAY FROM TRAFFIC AND USING LANE CLOSURES AS NEEDED, PLACE TEMPORARY MARKINGS AND MARKERS ON -Y1B- (SEdge GARDEN RD) IN THE PHASE 3, STEP 1 PATTERN.

PHASE 3

STEP 1:

USING LANE CLOSURES, PLACE TRAFFIC ON NEWLY CONSTRUCTED -Y1B- (SEdge GARDEN RD), THEN, USING LANE CLOSURES, CONSTRUCT REMAINDER OF RIGHT SIDE OF -Y1B- (SEdge GARDEN RD) INCLUDING WEDGING, AS NEEDED, AS SHOWN ON TMP-5.05 & TMP-5.06.

AWAY FROM TRAFFIC AND USING LANE CLOSURES AS NEEDED, REMOVE -Y1BDET- TEMPORARY ALIGNMENT.

AWAY FROM TRAFFIC, BEGIN CONSTRUCTION OF -L- FROM STA. 701+00 +/- TO STA. 708+00 +/-.

ONCE -Y1B- (SEdge GARDEN RD) WORK IS COMPLETE, USING LANE CLOSURES, PLACE TEMPORARY MARKINGS IN THE PHASE 3, STEP 2 PATTERN.

STEP 2:

USING LANE CLOSURES, SHIFT TRAFFIC TO RIGHT SIDE OF -Y1B- (SEdge GARDEN RD) AS SHOWN ON TMP-5.07 AND TMP-5.08, THEN COMPLETE CONSTRUCTION OF LEFT SIDE OF -Y1B- (SEdge GARDEN RD).

ONCE CONSTRUCTION IS COMPLETE, USING LANE CLOSURES, PLACE TEMPORARY MARKINGS AND MARKERS IN THE FINAL PATTERN ON -Y1B- (SEdge GARDEN RD) AND OPEN TO TRAFFIC. (SEE FINAL PAVEMENT MARKING PLAN)

NOTE:

WHEN PLACING AREA 2 IN THE PHASE 3, STEP 2 PATTERN, AREA 3 SHALL BE PLACED IN THE PHASE 3, STEP 1 PATTERN. (SEE NOTE ON TMP-5.08)

AWAY FROM TRAFFIC, COMPLETE WORK BEGUN PREVIOUSLY ON -L- AND RAMP IN AREA 2.

STEP 3:

USING LANE CLOSURES, PLACE FINAL LAYER OF SURFACE COURSE AND FINAL MARKINGS AND MARKERS ON ALL ROADS IN AREA 2 AND OPEN ALL ROADS TO THE FINAL PATTERN. (SEE FINAL PAVEMENT MARKING PLAN)

NOTE:

THIS STEP WILL COINCIDE WITH PLACEMENT OF FINAL LAYER AND FINAL MARKINGS ON THE ENTIRE PROJECT IN ORDER TO OPEN ALL TRAFFIC TO THE FINAL PATTERN.

AREA 3 (ROW/UTILITY SEGEMENT 3)

(SEE TMP-6.01 THRU TMP-6.12)

PHASE 1

AWAY FROM TRAFFIC AND USING LANE CLOSURES AS NEEDED, CONSTRUCT:

- -Y4DET-
- RIGHT SIDE OF -Y4- (KERNERSVILLE RD) WITH WEDGING, AS NEEDED, FROM STA. 11+50 +/- TO STA. 23+25 +/-
- -Y4B- (MOTSINGER DR)
- RIGHT SIDE OF -Y4- (KERNERSVILLE RD) WITH WEDGING, AS NEEDED, FROM STA. 42+50 +/- TO -Y1- (SEdge GARDEN RD) STA. 11+31 +/-

NOTE:

TEMPORARY SIGNALS 09-0660 #1 AT THE -Y4- (KERNERSVILLE RD) AND -Y4A- (LINVILLE RD) INTERSECTION AND 09-0725 #1 AT THE -Y4- (KERNERSVILLE RD) AND -Y1B- (SEdge GARDEN RD) INTERSECTION WILL BE REQUIRED IN STEP 1 TO COMPLETE WIDENING CONSTRUCTION.

AWAY FROM TRAFFIC, BEGIN CONSTRUCTION OF THE FOLLOWING:

- -L- STA. 710+00 +/- TO STA. 720+25 +/-
- -L- STA. 726+00 +/- TO STA. 730+00 +/-
- -Y4RPA- STA. 12+50 +/- TO STA. 21+50 +/-
- -Y4RPB- STA. 12+00 +/- TO STA. 22+79 +/-
- -Y4SPB1- STA. 22+79 +/- TO STA. 23+47 +/-
- -Y4SPB2- STA. 22+79 +/- TO STA. 23+39 +/-
- -Y4RPC- STA. 17+46 +/- TO STA. 20+50 +/-
- -Y4RPD- STA. 17+39 +/- TO STA. 21+00 +/-

PHASE 2

AWAY FROM TRAFFIC AND USING LANE CLOSURES, PLACE TEMPORARY MARKINGS AND MARKERS IN THE PHASE 2 TRAFFIC PATTERN AND SHIFT TRAFFIC TO RIGHT SIDE OF -Y4- (KERNERSVILLE RD) AND ONTO -Y4DET- AS SHOWN ON TMP-6.04 THRU TMP-6.06. (SEE NOTE 2 BELOW)

ONCE TRAFFIC HAS BEEN SHIFTED, AWAY FROM TRAFFIC AND USING LANE CLOSURES AS NEEDED, CONSTRUCT THE FOLLOWING, INCLUDING WEDGING, AS NEEDED, AS SHOWN ON SHEETS TMP-6.04 THRU TMP-6.07:

- -Y4- (KERNERSVILLE RD)
- -Y4A- (LINVILLE RD)
- -Y4D- (WEAVIL RD)
- -Y1- & -Y1B- (SEdge GARDEN RD)
- -Y1D- (LONGMONT DR) (SEE NOTE 1 BELOW)
- -Y4SPB1- STA. 23+47 +/- TO -Y4-
- -Y4SPB2- STA. 23+39 +/- TO -Y4-
- -Y4SPA-
- -L- STA. 720+25 +/- TO STA. 724+20 +/-
- PORTIONS OF -Y4SPC-, -Y4RPC-, -Y4SPD1, AND -Y4SPD2- AS SHOWN ON TMP-6.05

NOTES:

1. CENTER ISLAND ON ROUNDABOUT AT -Y1- (SEdge GARDEN RD) AND -Y1A- (LONGMONT DR) WILL NOT BE CONSTRUCTED AT THIS TIME.
2. TEMPORARY SIGNALS 09-0660 #2 AT THE -Y4- (KERNERSVILLE RD) AND -Y4A- (LINVILLE RD) INTERSECTION AND 09-0725 #2 AT THE -Y4- (KERNERSVILLE RD) AND -Y1B- (SEdge GARDEN RD) INTERSECTION WILL BE REQUIRED FOR THE PHASE 2 TRAFFIC PATTERN.

AWAY FROM TRAFFIC, REMOVE EXISTING PAVEMENT AS SHOWN ON TMP-6.05 FOR OLD WINSTON RD.

AWAY FROM TRAFFIC, COMPLETE WORK BEGUN IN PHASE 1 ON -L- AND -Y4- RAMP.

COMPLETE THE WORK REQUIRED IN AREA 3 PHASE 3, STEPS 1, 1A AND 2 IN TWO HUNDRED FORTY (240) CONSECUTIVE CALENDAR DAYS. SEE INTERMEDIATE CONTRACT TIME AND LIQUIDATED DAMAGES.

PHASE 3

STEP 1:

AWAY FROM TRAFFIC AND USING LANE CLOSURES, PLACE TEMPORARY MARKINGS IN THE FINAL/TEMPORARY PHASE 3 TRAFFIC PATTERN ON -Y4- (KERNERSVILLE RD), -Y4A- (LINVILLE RD), -Y4B- (MOTSINGER DR), -Y1- & -Y1B- (SEdge GARDEN RD) AND -Y1D- (LONGMONT DR) AS SHOWN ON SHEETS TMP-6.08 THRU TMP-6.11 AND PLACE TRAFFIC IN THE PHASE 3 TRAFFIC PATTERN.

NOTES:

1. RAMP LANES WILL REMAIN CLOSED THRU THE DDI DURING PHASE 3, STEP 1.
2. INSTALL OFFSITE DETOUR SIGNS FOR TRUCKS, AS SHOWN ON SHEET TMP-6.12 PRIOR TO OPENING -Y1-/-Y1B-/-Y1D- (SEdge GARDEN/LONGMONT DR) INTERSECTION TO THE ROUNDABOUT PATTERN.
3. THE FOLLOWING TEMPORARY SIGNALS WILL BE REQUIRED FOR THE PHASE 3, STEP 1 TRAFFIC PATTERN:
 - 09-0660 #3 AT THE -Y4- (KERNERSVILLE RD) AND -Y4A- (LINVILLE RD) INTERSECTION
 - 09-0725 #3 AT THE -Y4- (KERNERSVILLE RD) AND -Y1B- (SEdge GARDEN RD) INTERSECTION
 - TEMPORARY SIGNAL #1 AT THE -Y4- (KERNERSVILLE RD)/-Y4RPB-/-Y4RPC- TERMINAL
 - TEMPORARY SIGNAL #1 AT THE -Y4- (KERNERSVILLE RD)/-Y4RPA-/-Y4RPD- TERMINAL

ONCE TRAFFIC HAS BEEN SHIFTED, AWAY FROM TRAFFIC AND USING LANE CLOSURES AS NEEDED, CONSTRUCT THE FOLLOWING:

- REMAINING MONOLITHIC ISLANDS
- MEDIAN ISLANDS
- REMAINDER OF CURB & GUTTER AND SIDEWALK ON -Y4- (KERNERSVILLE RD) OMITTED IN THE -Y4DET- TIE-IN AREAS
- REMOVAL OF -Y4DET- TEMPORARY ALIGNMENT AS SHOWN ON THE ROADWAY PLANS
- -L- STA. 724+20 +/- TO STA. 726+50 +/-
- REMAINDER OF -Y4SPC-, -Y4RPC-, -Y4RPD-, -Y4SPD1-, AND -Y4SPD2- AS SHOWN ON TMP-6.09

COMPLETE THE WORK IN PHASE 3, STEP 1A DURING THE SUMMER WHEN SCHOOL IS NOT IN SESSION.

STEP 1A:

USING LANE CLOSURES, CONSTRUCT ISLANDS AT THE ROUNDABOUT AT -Y1- & -Y1B- (SEdge GARDEN RD) AND -Y1D- (LONGMONT DR).

STEP 2:

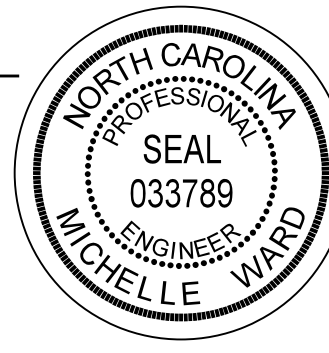
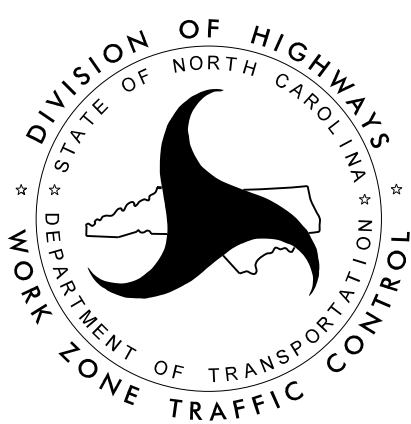
USING LANE CLOSURES, PLACE THE FINAL LAYER OF SURFACE COURSE ON -Y4- (KERNERSVILLE RD), -L- IN AREA 3 AND ALL -Y4 RAMP, PLACE TEMPORARY MARKINGS AND MARKERS IN THE FINAL PATTERN ON ALL ROADS IN AREA 3 AND OPEN ALL ROADS IN AREA 3 TO THE FINAL PATTERN.

NOTE:

THIS STEP WILL COINCIDE WITH PLACEMENT OF TEMPORARY MARKINGS AND MARKERS IN THE FINAL PATTERN ON ALL OF -L- IN ORDER TO OPEN ALL TRAFFIC TO THE FINAL PATTERN IN AREA 3.


STEP 3:

USING LANE CLOSURES, PLACE THE FINAL LAYER OF SURFACE COURSE ON ALL REMAINING ROADS IN AREA 3 THAT WAS NOT COMPLETED IN STEP 2, PLACE FINAL MARKINGS AND MARKERS ON ALL ROADS IN AREA 3 AND RE-OPEN TO THE FINAL PATTERN. (SEE FINAL PAVEMENT MARKING PLAN)

APPROVED: <i>Michelle Ward</i> DATE: 10/13/2021 		TEMPORARY TRAFFIC CONTROL PHASING
DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED		

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REVISIONS

PROJ. REFERENCE NO. U-2579AB	SHEET NO. TMP-4
 HDR Engineering, Inc. of the Carolinas 555 Fayetteville St, Suite 900 Raleigh, N.C. 27601 N.C.B.E.L.S. License Number: F-0116	

AREA 2

- L- STA. 692+33 +/- TO 710+00 +/-
- Y4RPA- STA. 10+00 +/- TO 12+50 +/-
- Y4RPB- STA. 10+00 +/- TO 12+00 +/-
- Y1B- SEDGE GARDEN RD

AREA 3

- L- STA. 710+00 +/- TO 730+00 +/-
- Y1- & -Y1B- SEDGE GARDEN RD
- Y1A- LONGMONT DR
- Y4- KERNERSVILLE RD
- Y4A- LINVILLE RD
- Y4B- MOTSINGER RD
- Y4D- WEAVIL RD
- Y4RPA- STA. 12+50 +/- TO -Y4-
- Y4SPA- STA. 22+22 +/- TO -Y4-
- Y4RPB- STA. 12+00 +/- TO 22+79 +/-
- Y4SPB1- STA. 22+79 +/- TO -Y4-
- Y4SPB2- STA. 22+79 +/- TO -Y4-
- Y4SPC- STA. 21+69 +/- TO -Y4-
- Y4SPD1- STA. 22+35 +/- TO -Y4-
- Y4SPD2- STA. 22+35 +/- TO -Y4-
- Y4RPC- STA. 17+46 +/- TO -Y4-
- Y4RPD- STA. 17+39 +/- TO 22+35 +/-

AREA 1

- L- STA. 730+00 +/- TO STA. 773+00 +/-
- Y4RPC- STA. 10+00 +/- TO 17+46 +/-
- Y4RPD- STA. 10+00 +/- TO 17+39 +/-
- Y6- ORVIL LN
- Y8- OAK RIDGE PL
- SR1-
- Y15FLYBD- STA. 10+00 +/- TO 23+00 +/-
- Y15FLYCA- STA. 78+89 +/- TO 90+40 +/-
- Y15RPA- STA. 35+00 +/- TO 36+17 +/-
- MISCELLANEOUS CUL-DE-SACS AND TURN-AROUNDS.

AREA 4

- L- STA. 773+00 +/- TO 805+00 +/-
- Y5B- (MEREDITH WAY EXT.)
- Y15- I-40
- Y15REV- I-40
- Y15FLYAC- STA. 10+00 +/- TO 73+00 +/-
- Y15FLYBD- STA. 23+00 +/- TO 97+20 +/-
- Y15FLYCA- STA. 10+00 +/- TO 78+89 +/-
- Y15LPA-
- Y15RPA- STA. 10+00 +/- TO 35+00 +/-
- Y15RPB-
- Y15RPC- STA. 10+00 +/- TO 22+00 +/-
- Y15RPDREV- STA. 22+00 +/- TO 51+72 +/-
- UXRPB-
- UXRPC-
- MISCELLANEOUS CUL-DE-SACS, TURN-AROUNDS, AND SERVICE ROADS

AREA 5

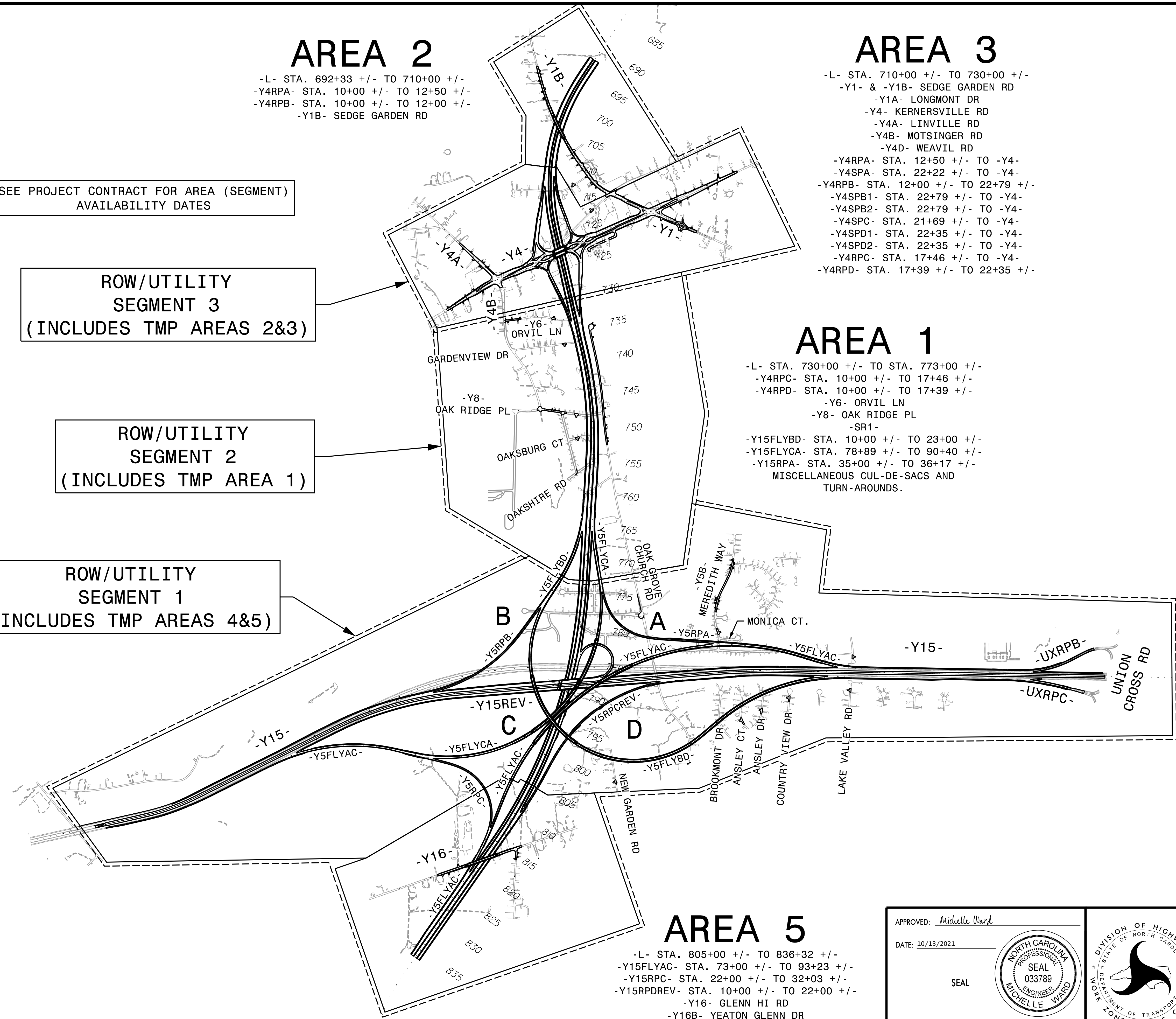
- L- STA. 805+00 +/- TO 836+32 +/-
- Y15FLYAC- STA. 73+00 +/- TO 93+23 +/-
- Y15RPC- STA. 22+00 +/- TO 32+03 +/-
- Y15RPDREV- STA. 10+00 +/- TO 22+00 +/-
- Y16- GLENN HI RD
- Y16B- YEATON GLENN DR

SEE PROJECT CONTRACT FOR AREA (SEGMENT) AVAILABILITY DATES

ROW/UTILITY SEGMENT 3 (INCLUDES TMP AREAS 2&3)

ROW/UTILITY SEGMENT 2 (INCLUDES TMP AREA 1)

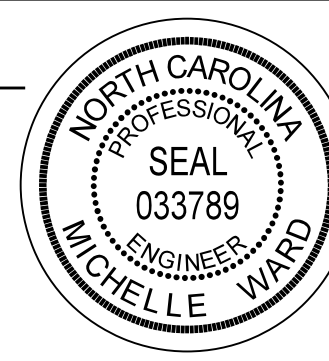
ROW/UTILITY SEGMENT 1 (INCLUDES TMP AREAS 4&5)



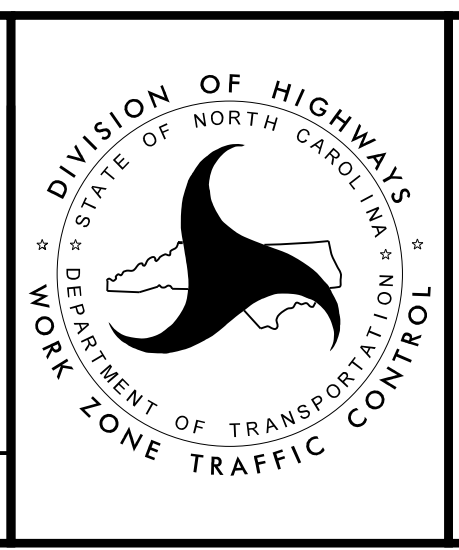
APPROVED: *Michelle Ward*

DATE: 10/13/2021

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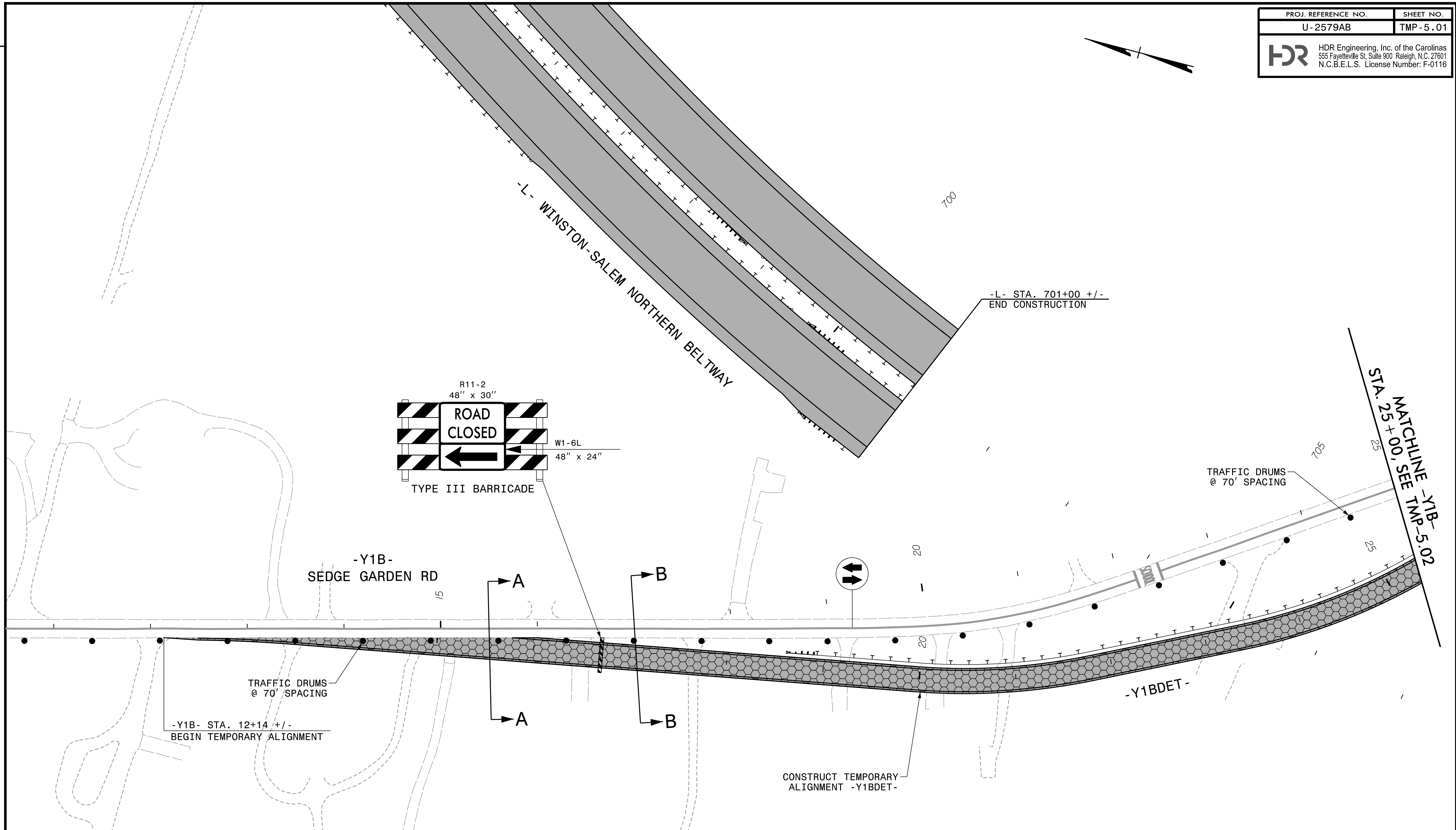
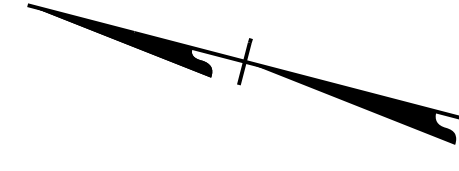


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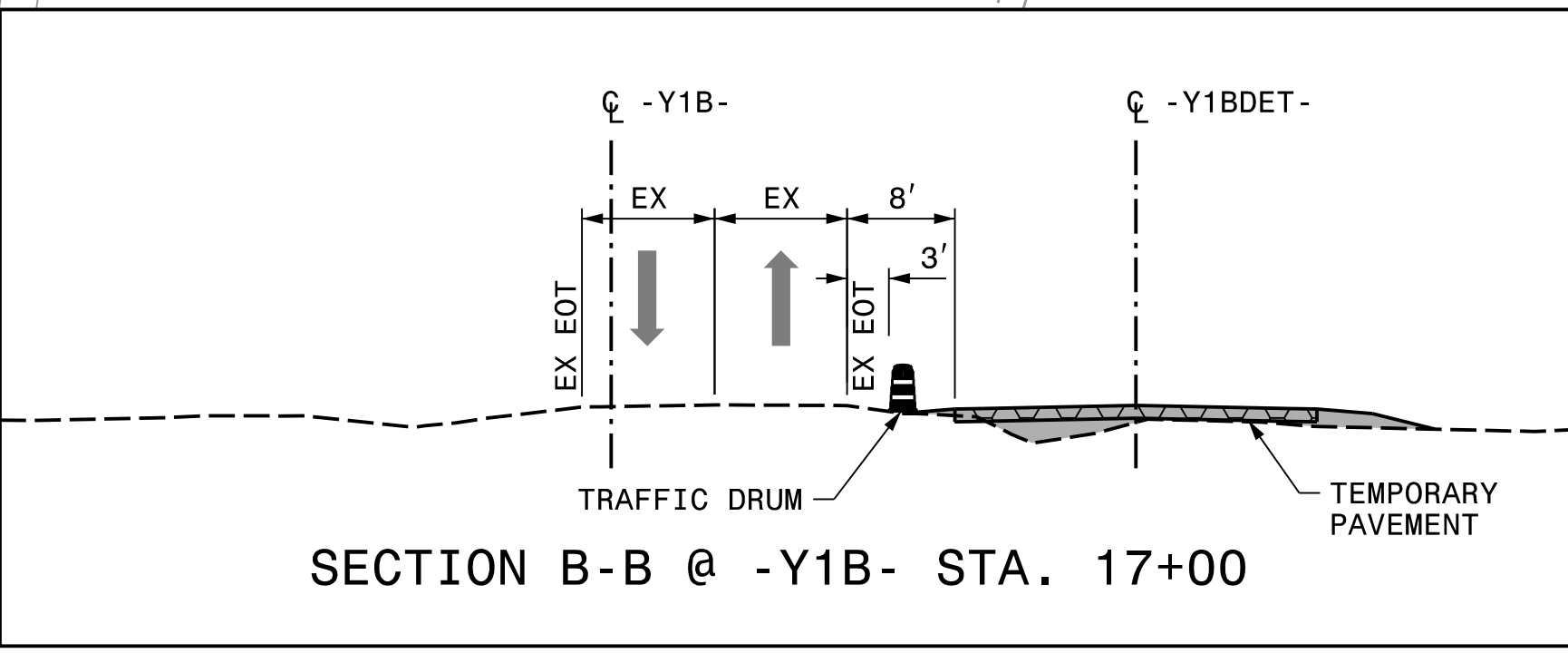
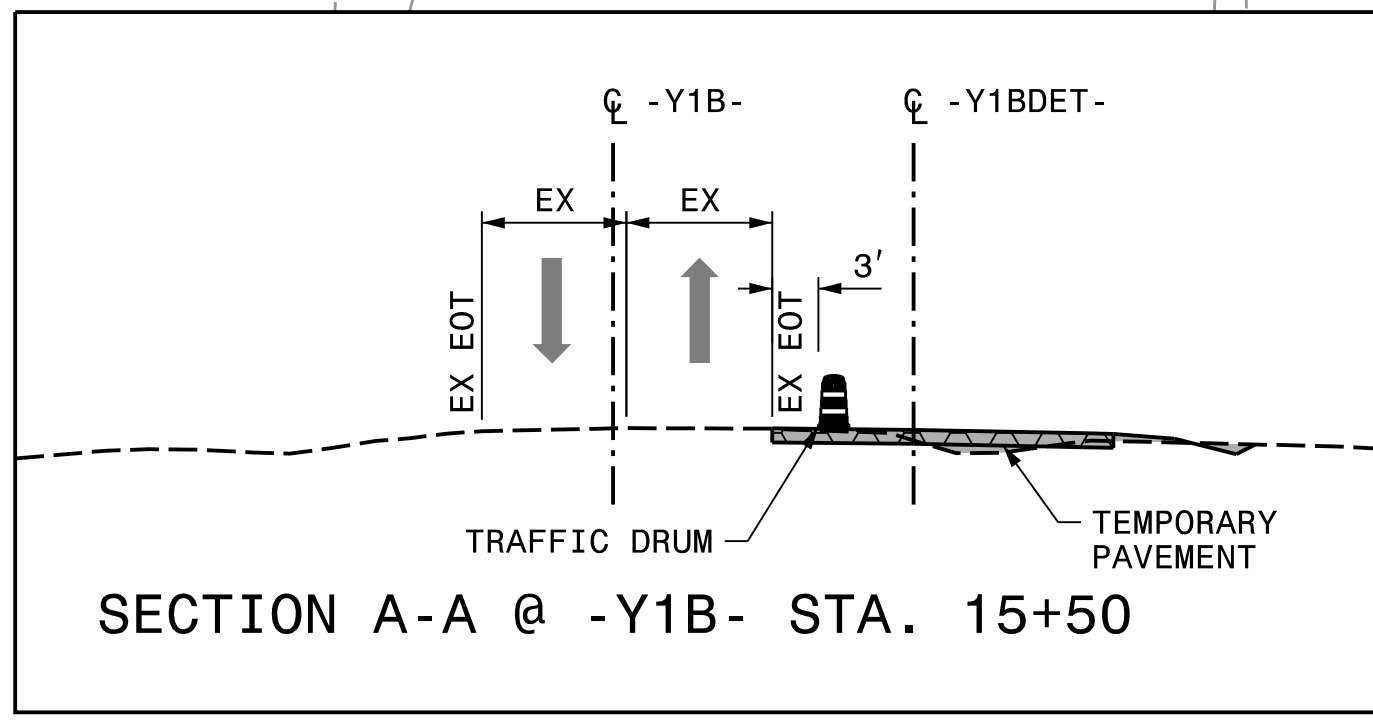
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 REVISIONS



REVISIONS

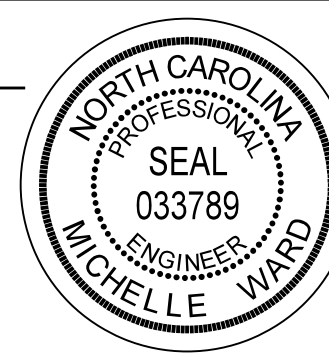
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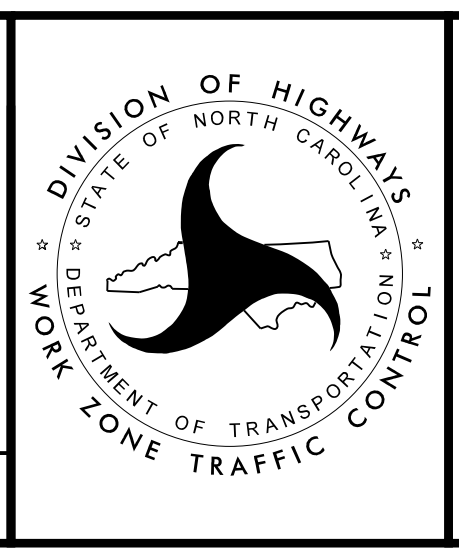
CONSTRUCT TEMPORARY ALIGNMENT -Y1BDET-

APPROVED: *Michelle Ward*
 DATE: 10/13/2021

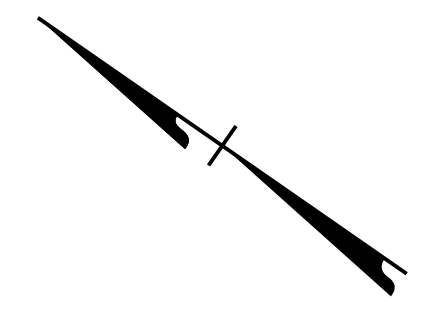
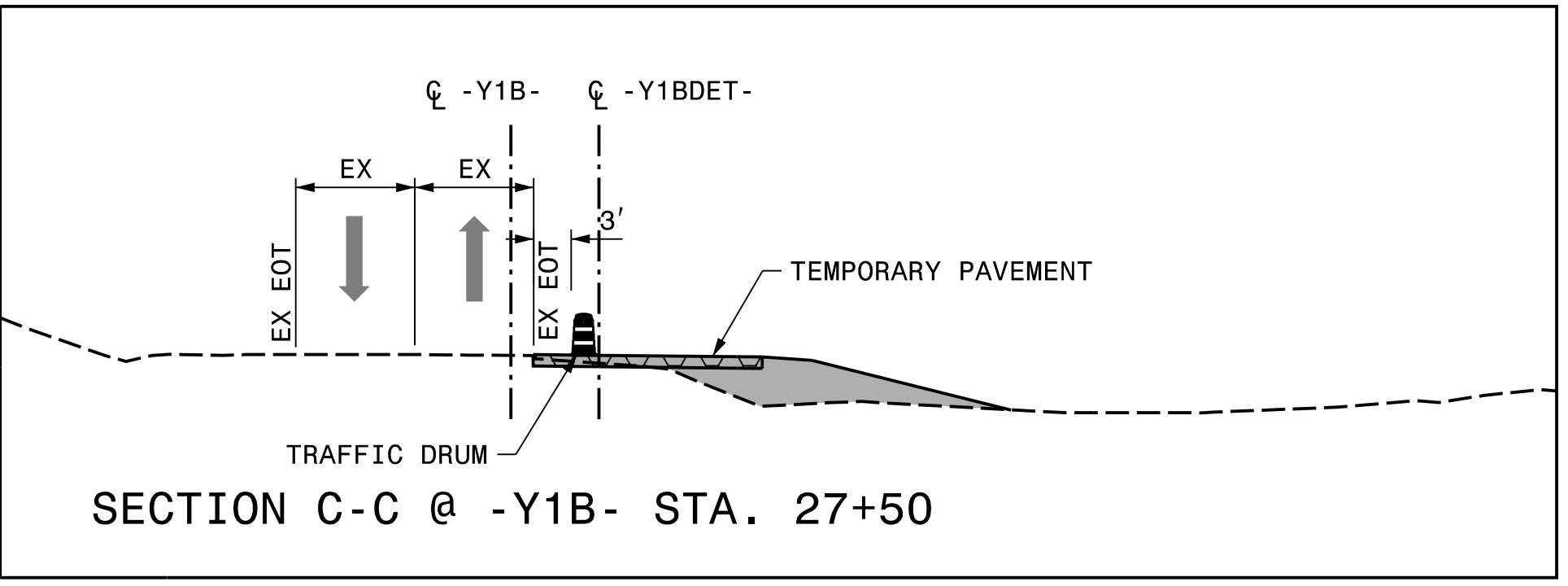
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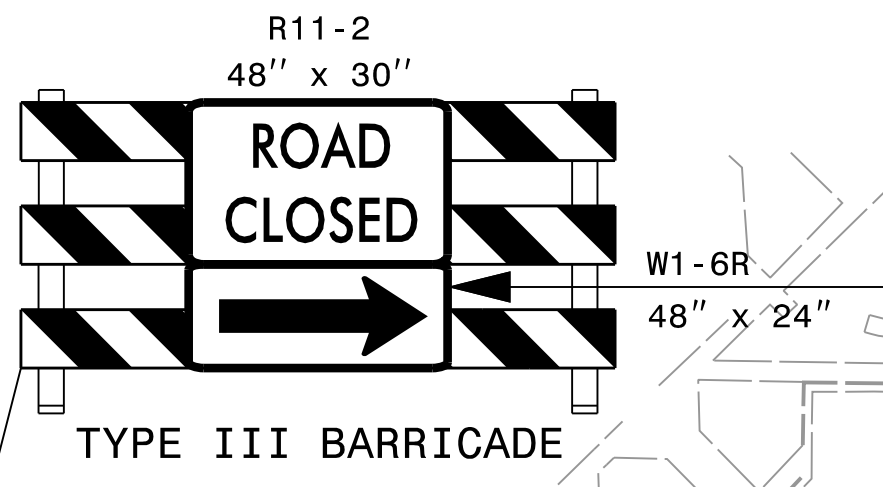
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AREA 2
 PHASE 1

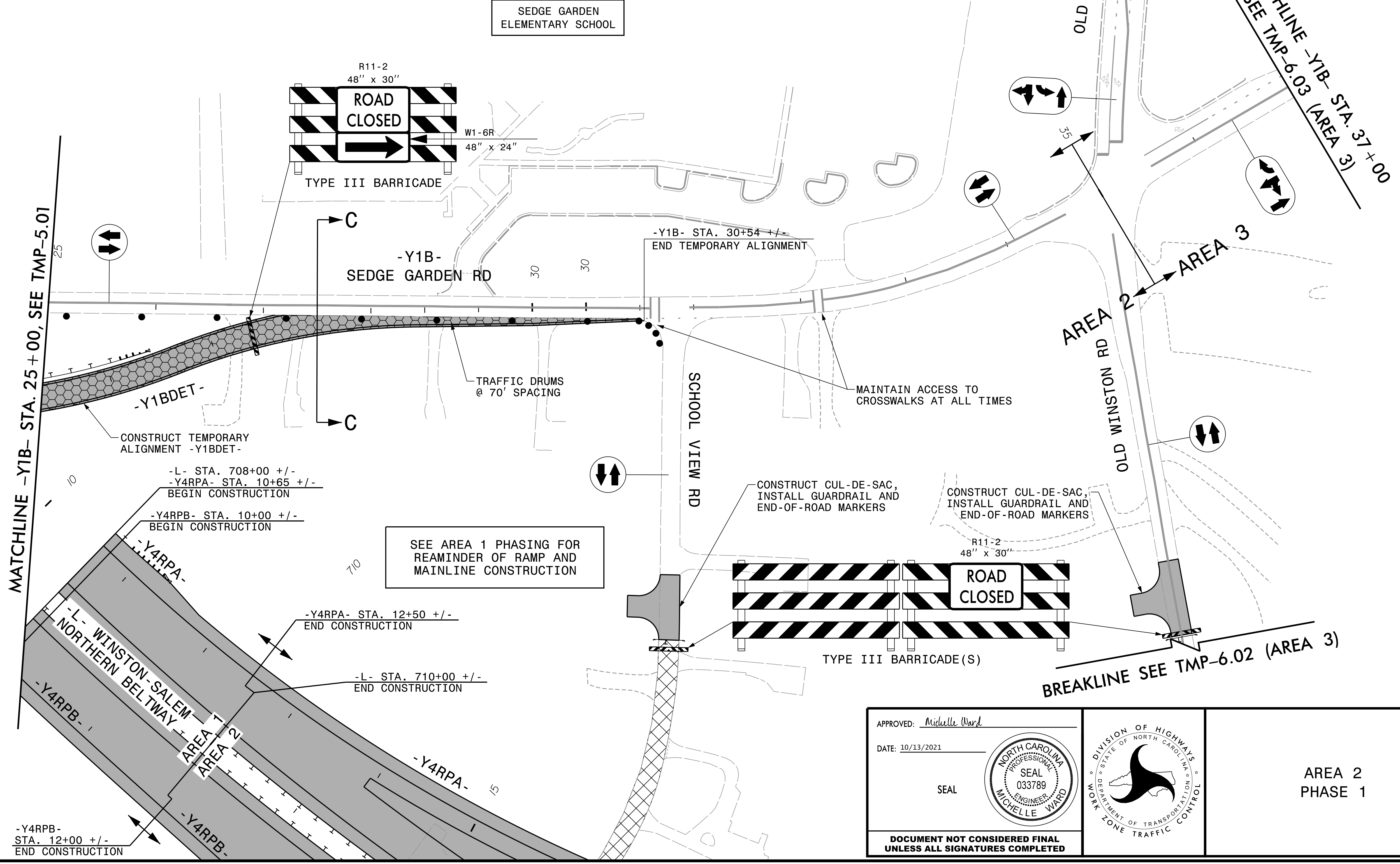


SEDGE GARDEN
ELEMENTARY SCHOOL



MATCHLINE -Y1B- STA. 25 + 00, SEE TMP-5.01

MATCHLINE -Y1B- STA. 37 + 00
SEE TMP-6.03 (AREA 3)



CONSTRUCT TEMPORARY ALIGNMENT -Y1BDET-

-L- STA. 708+00 +/-
-Y4RPA- STA. 10+65 +/-
BEGIN CONSTRUCTION

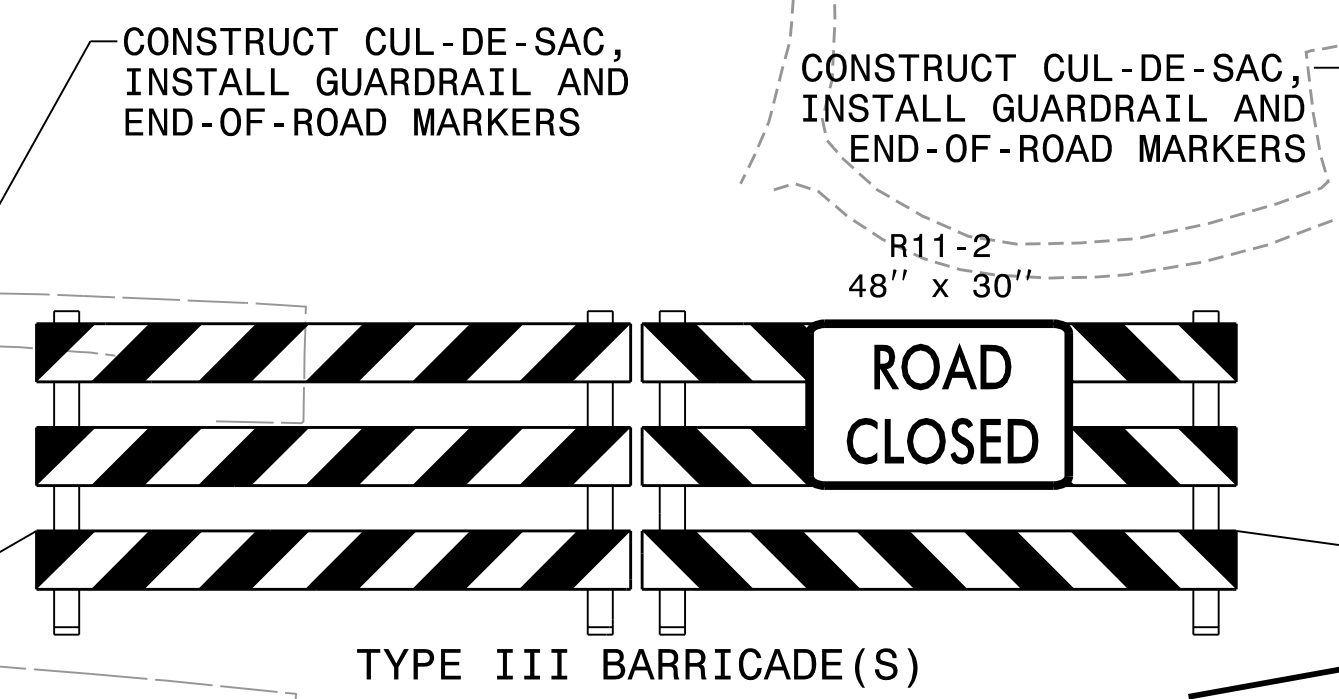
-Y4RPB- STA. 10+00 +/-
BEGIN CONSTRUCTION

-Y4RPA- STA. 12+50 +/-
END CONSTRUCTION

-L- STA. 710+00 +/-
END CONSTRUCTION

-Y4RPB- STA. 12+00 +/-
END CONSTRUCTION

SEE AREA 1 PHASING FOR
REMAINDER OF RAMP AND
MAINLINE CONSTRUCTION



BREAKLINE SEE TMP-6.02 (AREA 3)

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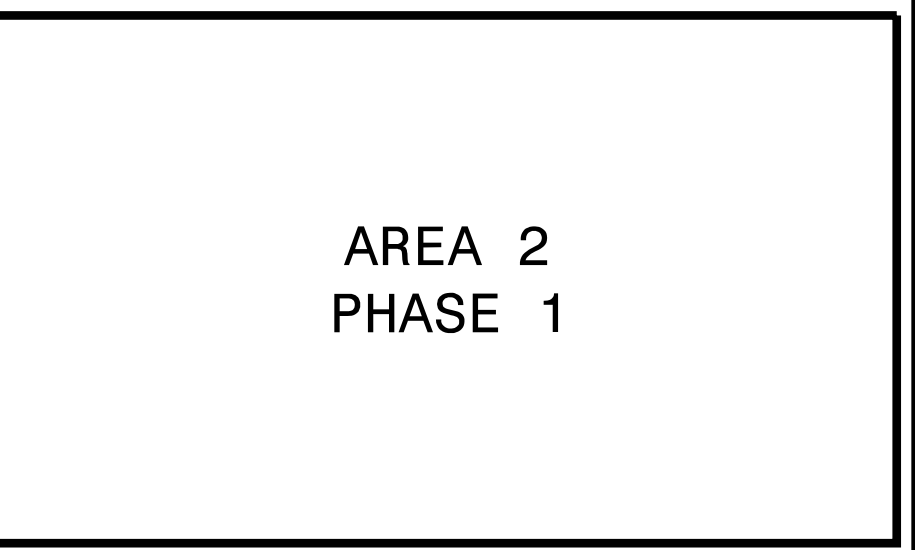
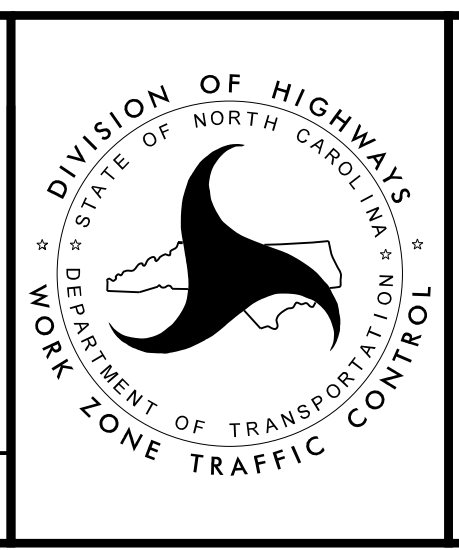
REVISIONS

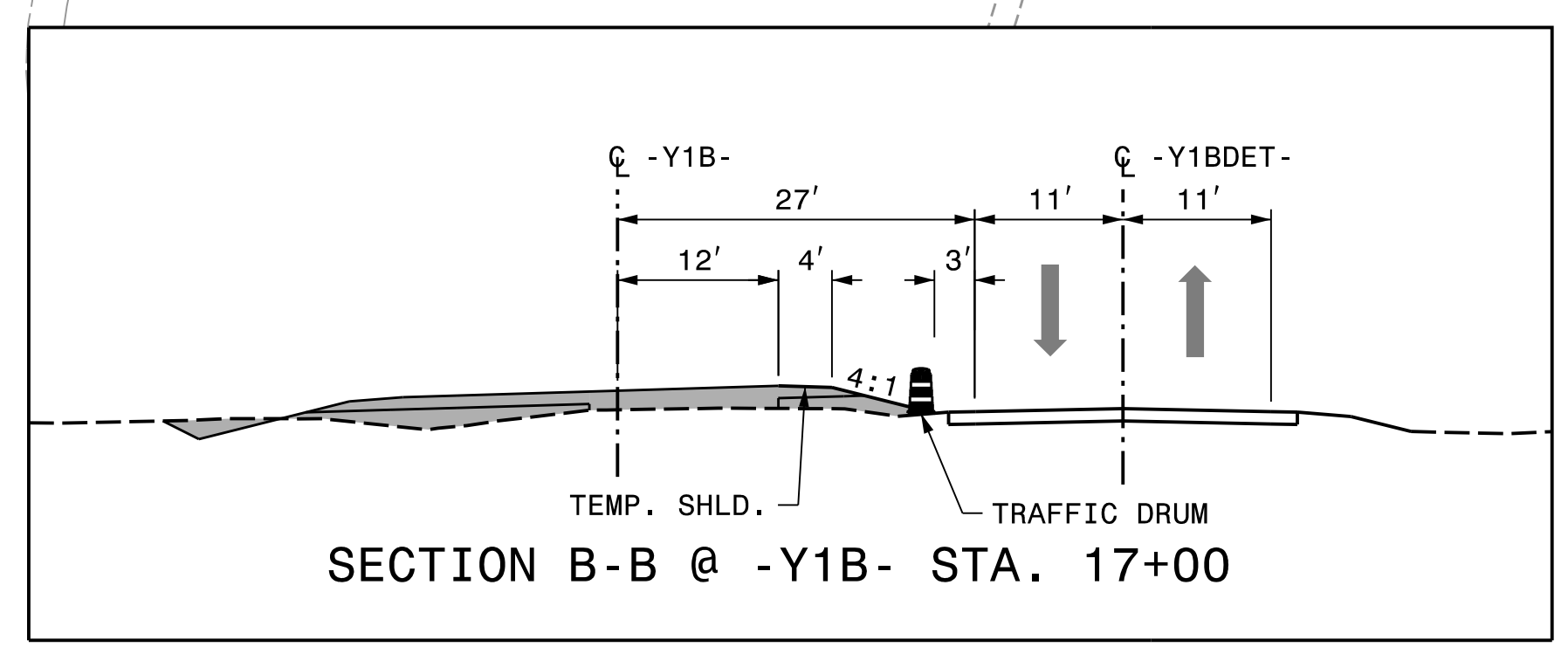
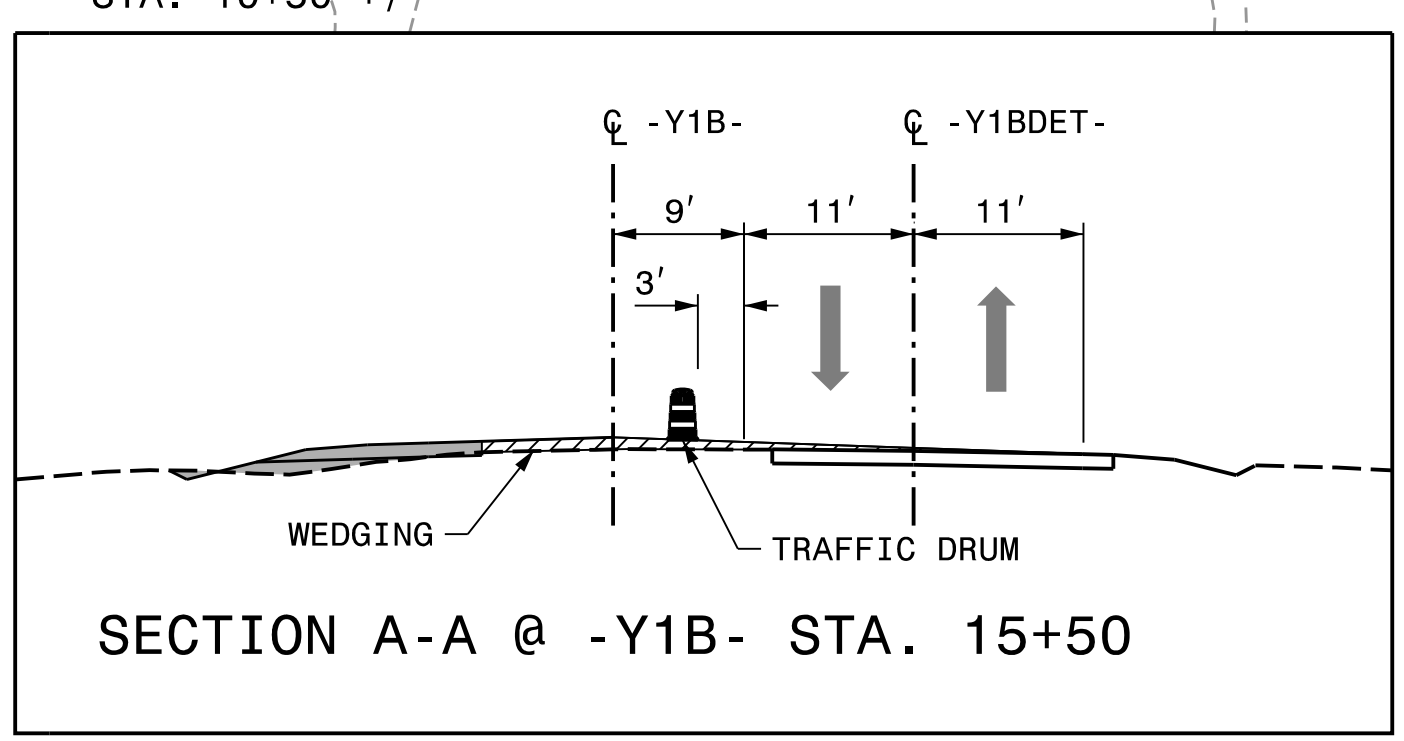
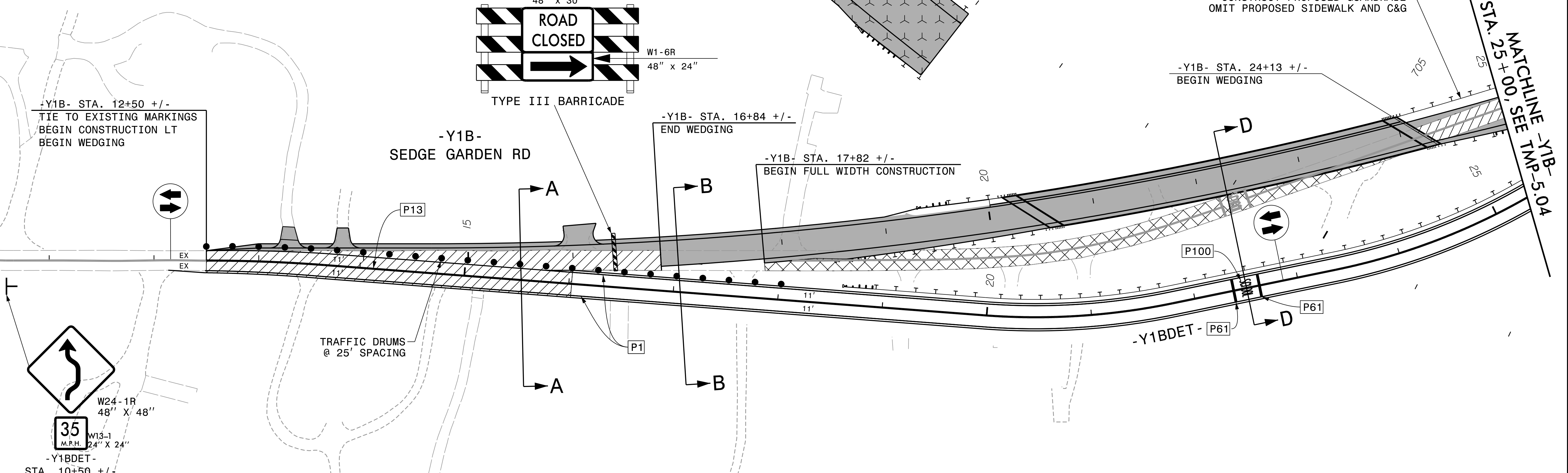
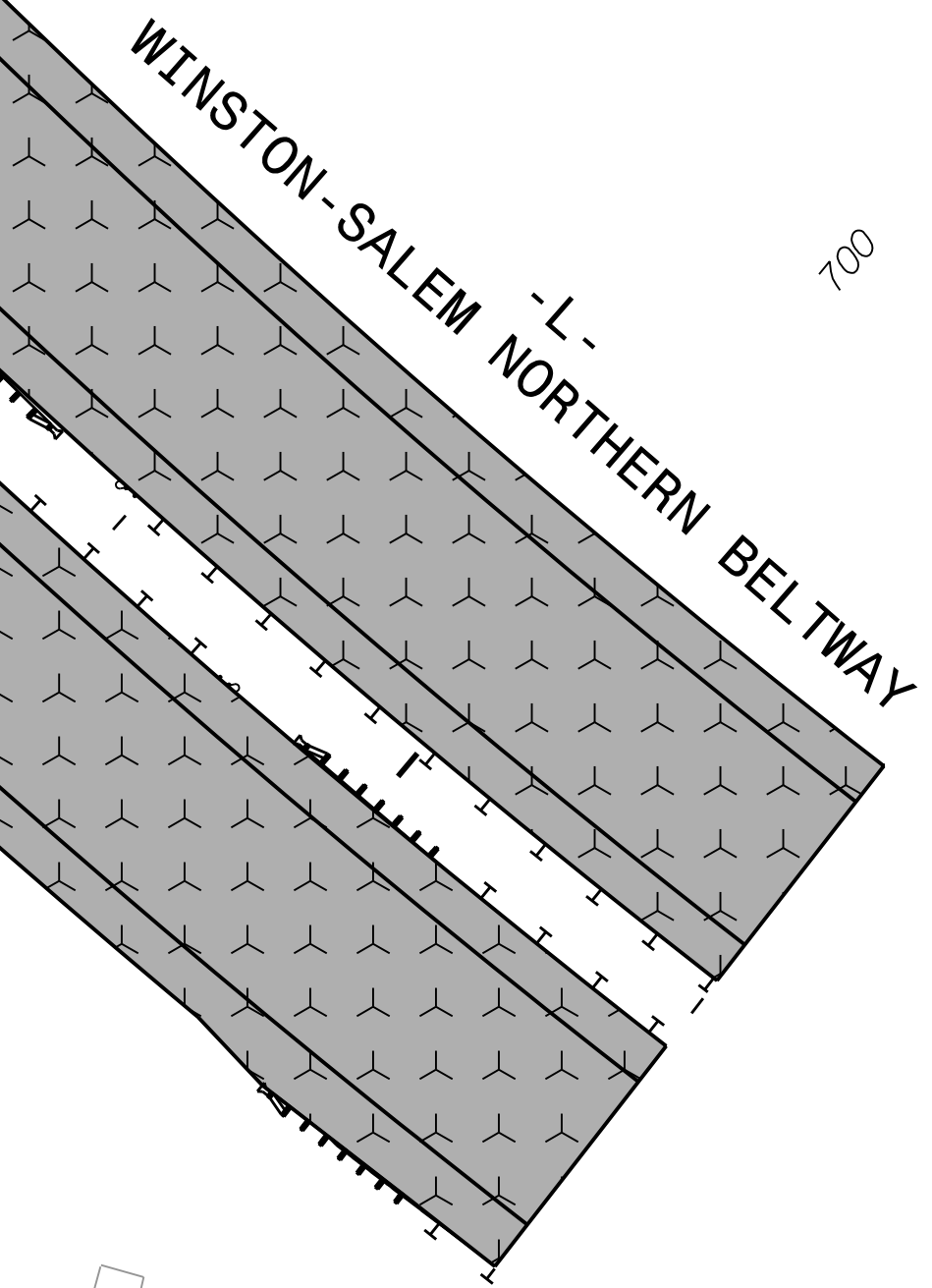
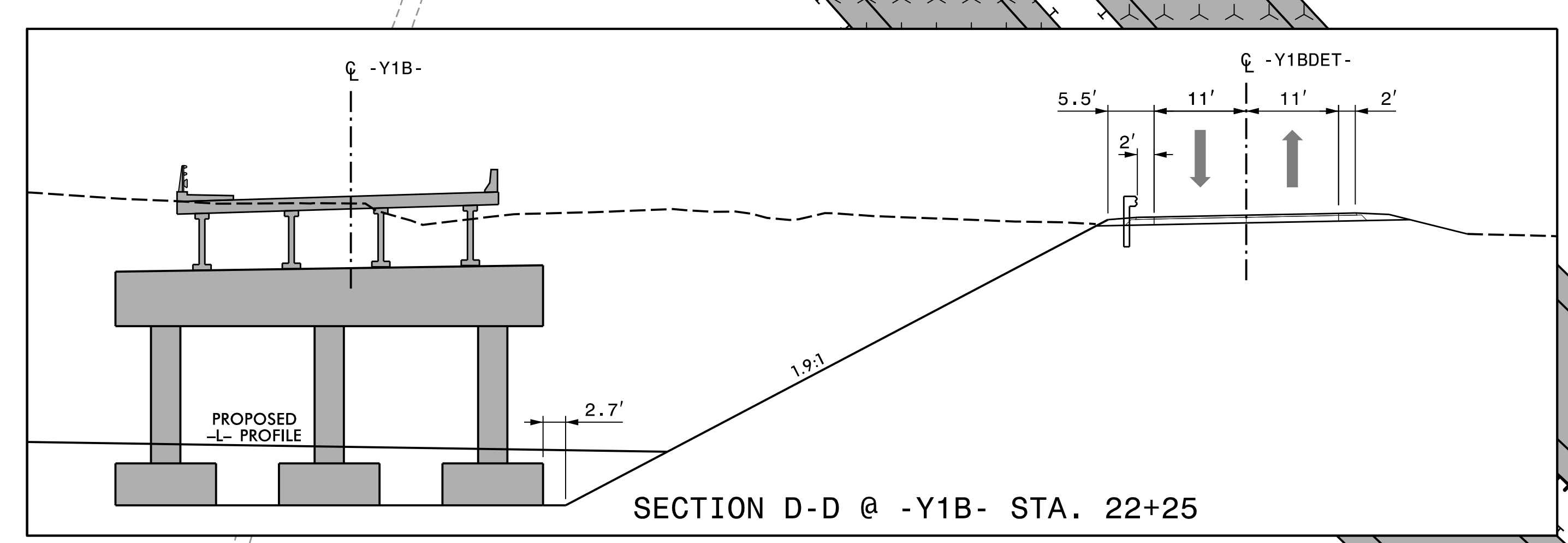
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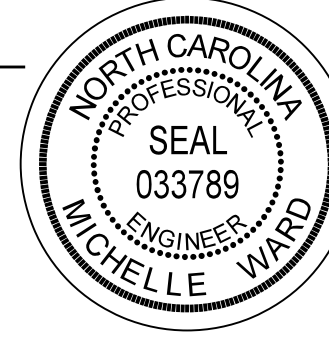
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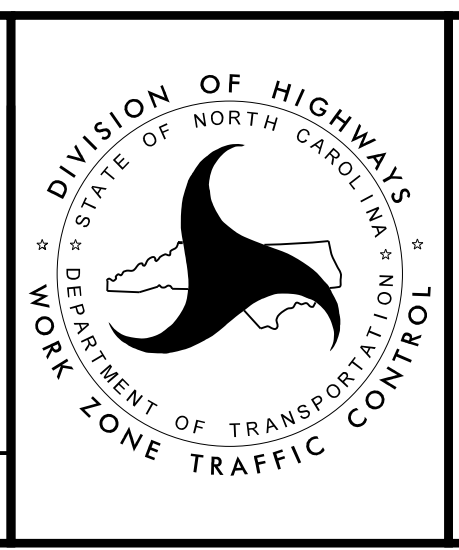
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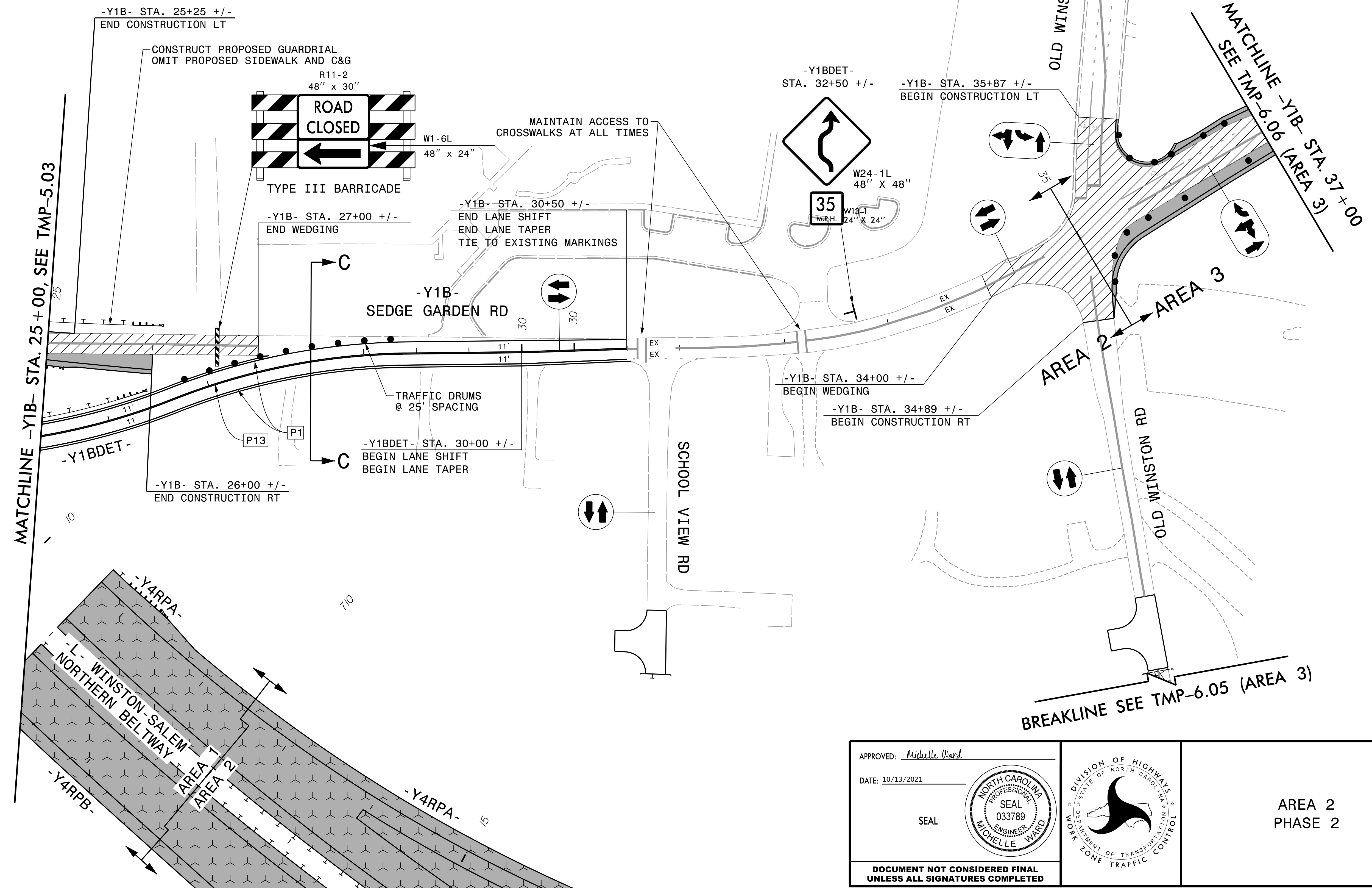
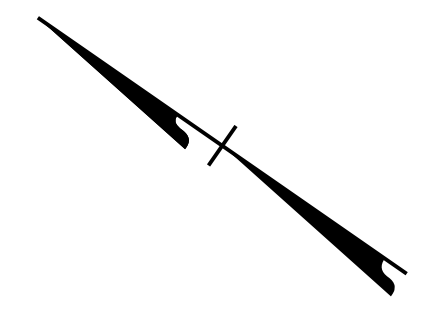
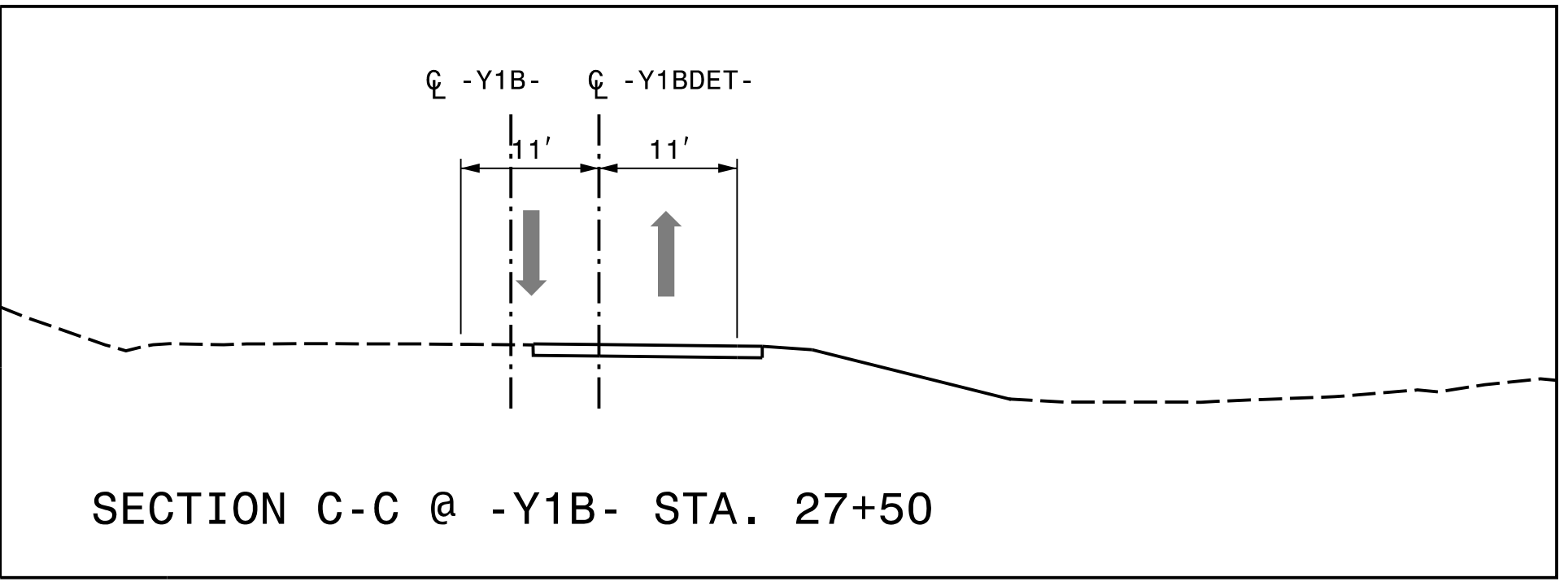
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AREA 2
 PHASE 2

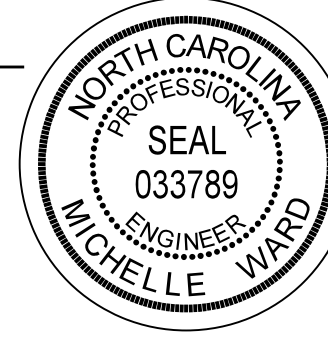
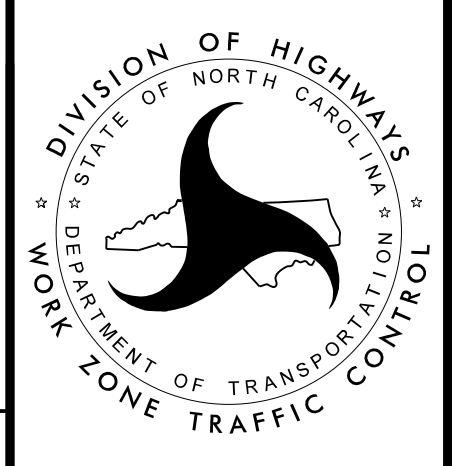
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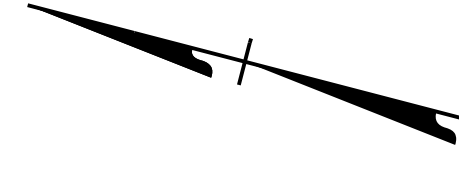
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APPROVED: <i>Michelle Ward</i> DATE: 10/13/2021 SEAL 		AREA 2 PHASE 2
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-L- WINSTON-SALEM NORTHERN BELTWAY

PLACE TEMPORARY MARKINGS IN THE FINAL PATTERN ALONG -Y1B- FROM STA. 12+50 +/- TO 24+30 +/- (SEE FINAL PAVEMENT MARKING PLAN)

-L- STA. 701+00 +/- BEGIN CONSTRUCTION

-Y1B- STA. 24+95 +/- BEGIN LANE SHIFT
BEGIN LANE TAPER

-Y1B- STA. 24+30 +/- TIE TO FINAL MARKINGS

MATCHLINE -Y1B- STA. 25+00, SEE TMP-5.06

-Y1B- SEDGE GARDEN RD

-Y1B- STA. 16+35 +/- END WEDGING RT

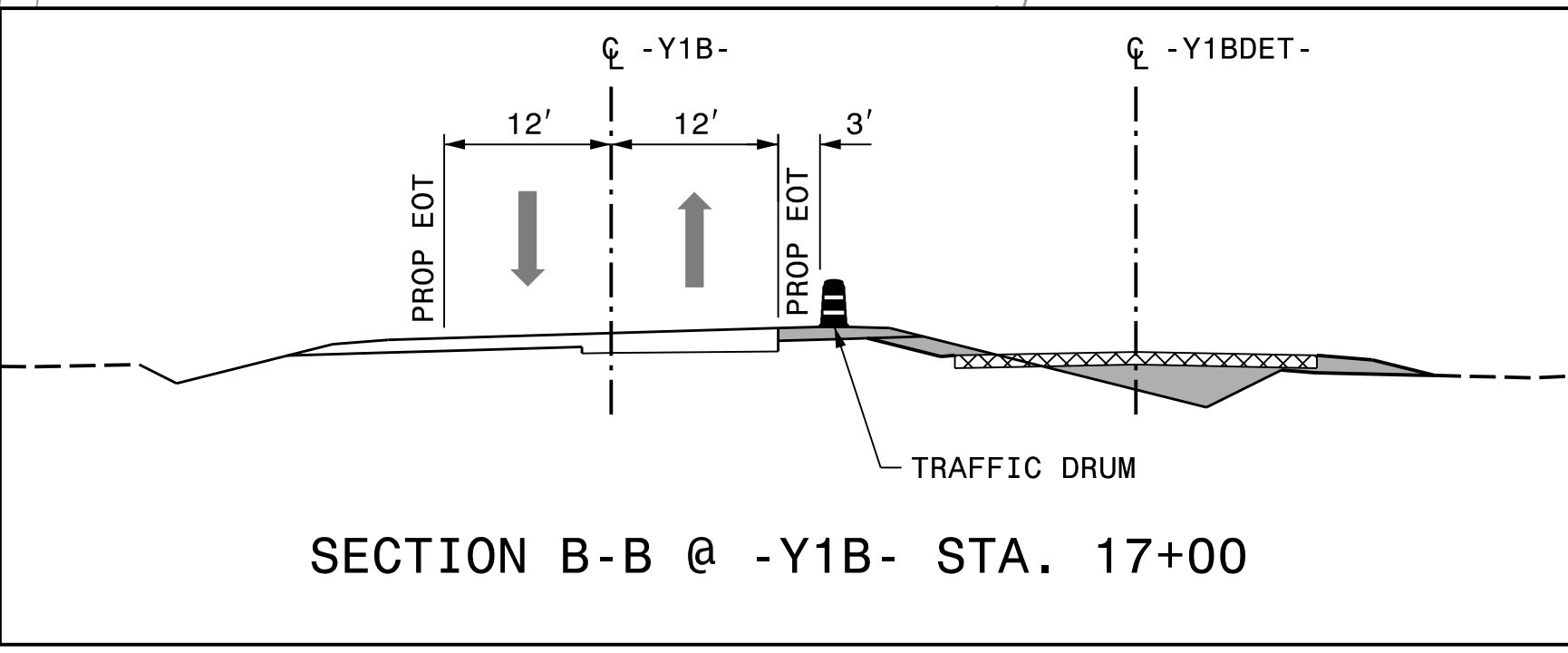
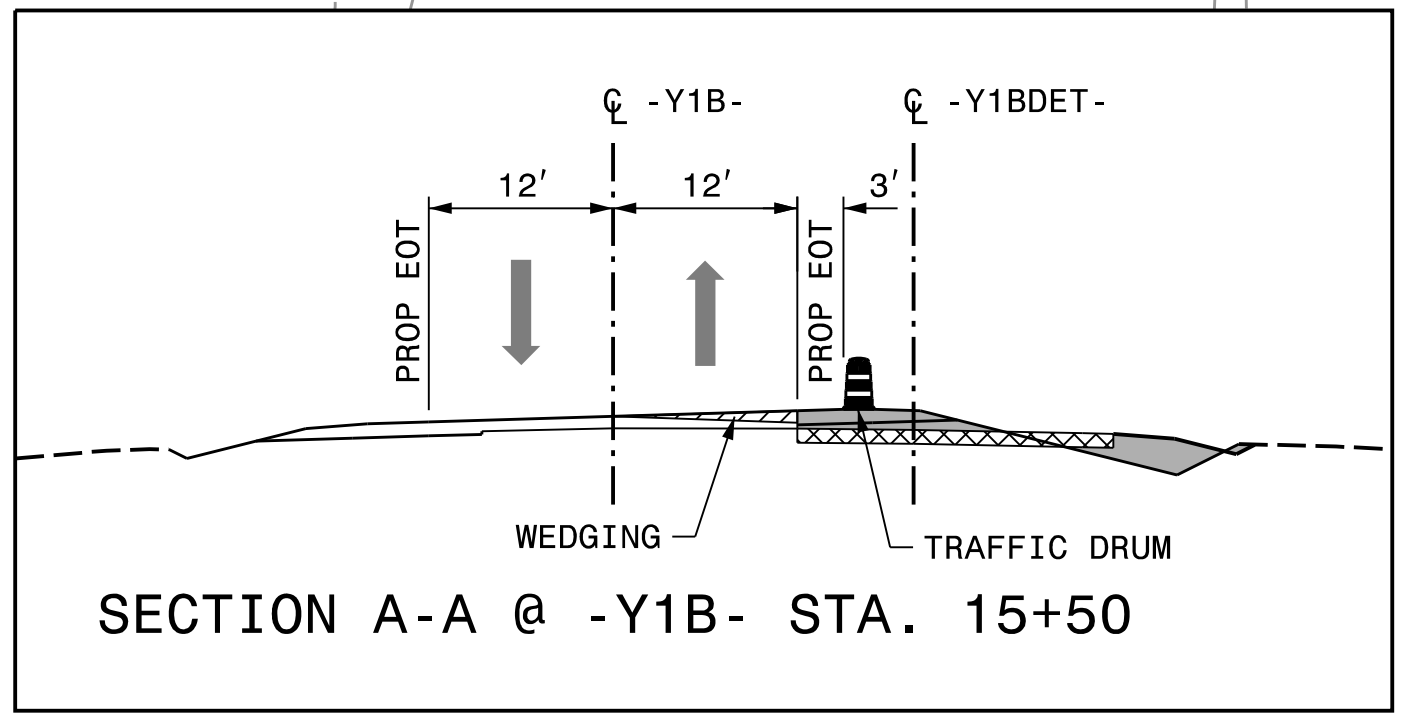
-Y1B- STA. 17+82 +/- END CONSTRUCTION RT

-Y1B- STA. 12+50 +/- TIE TO EXISTING MARKINGS
BEGIN WEDGING RT
BEGIN CONSTRUCTION RT

TRAFFIC DRUMS @ 70' SPACING

-Y1BDET-

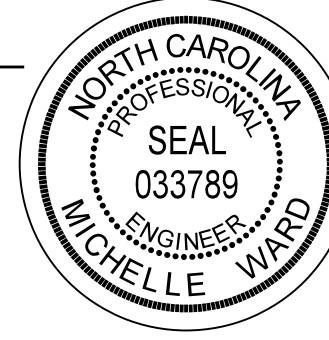
REMOVE TEMPORARY ALIGNMENT -Y1BDET-



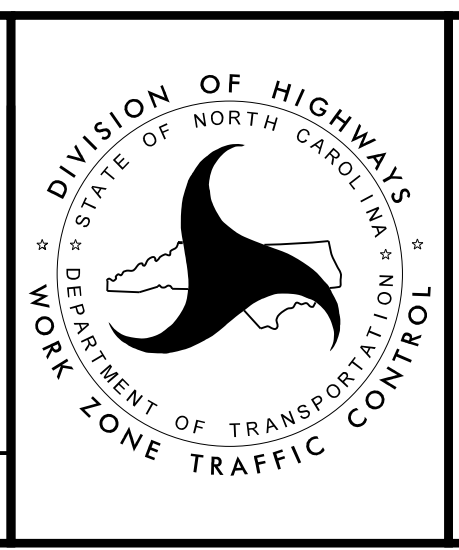
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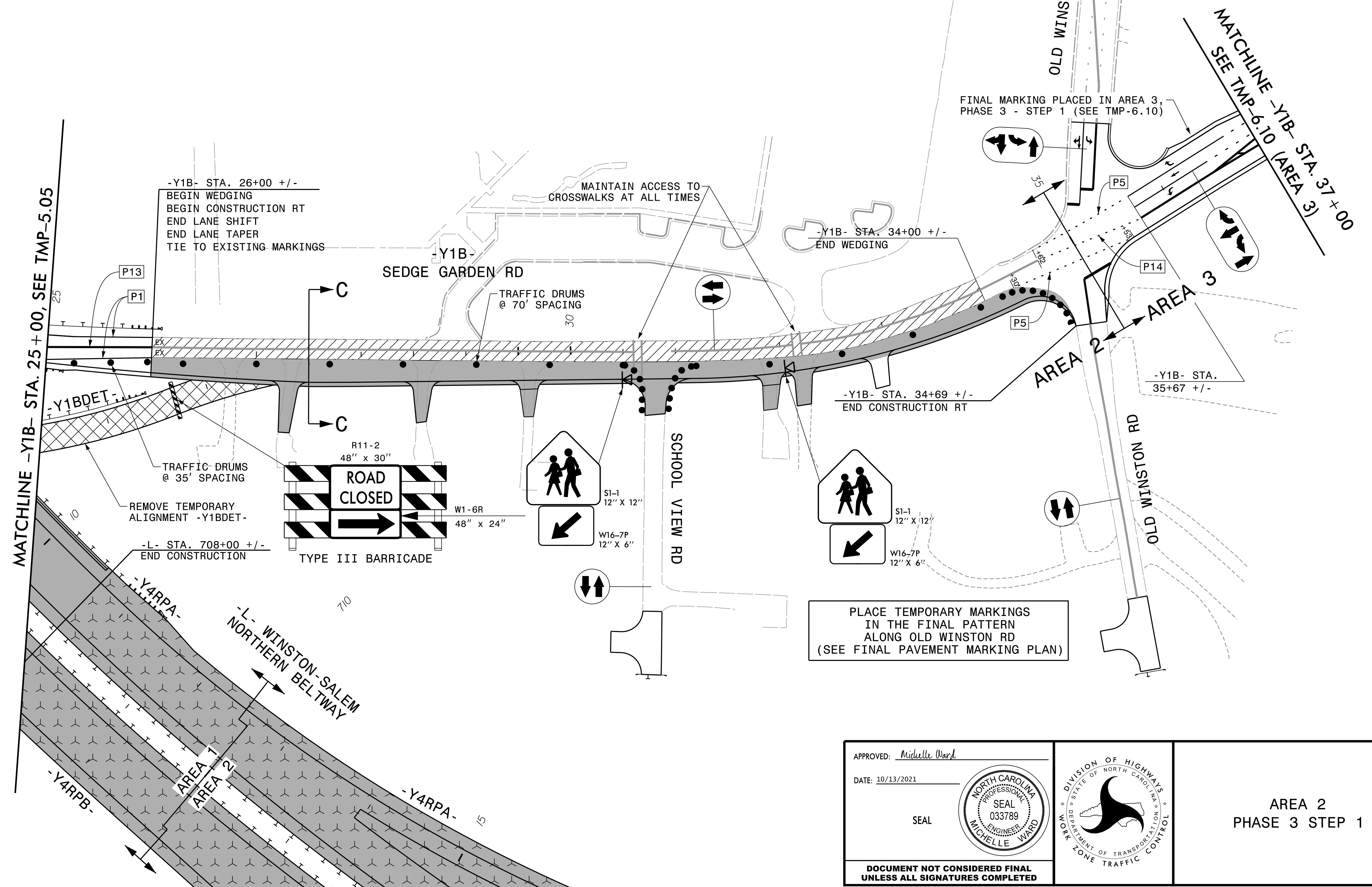
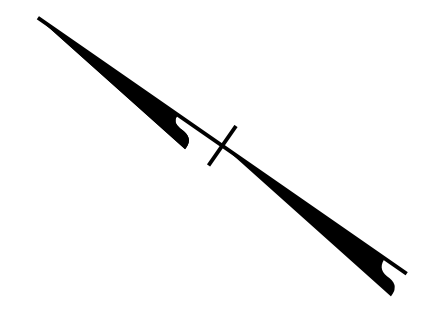
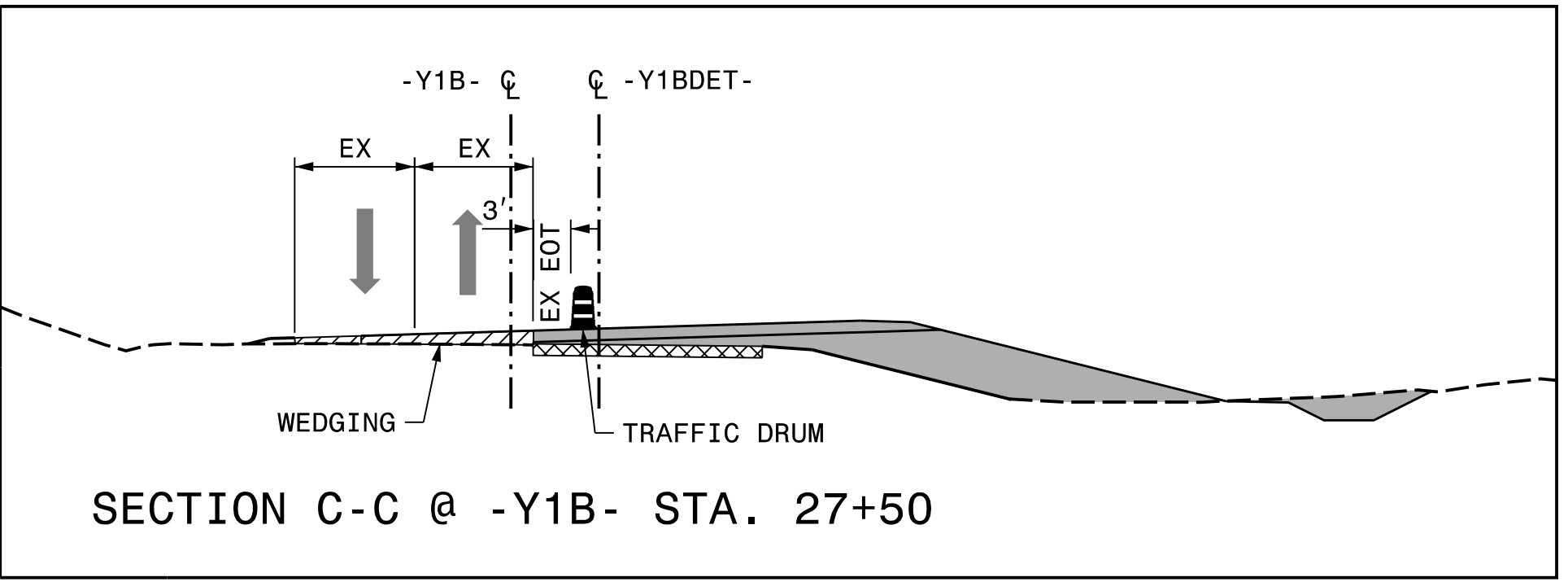
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AREA 2
PHASE 3 STEP 1

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REVISIONS



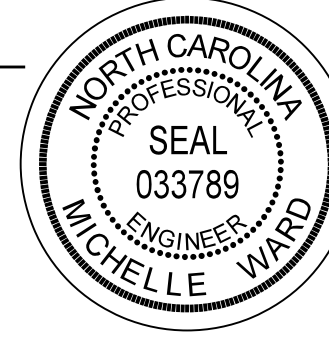
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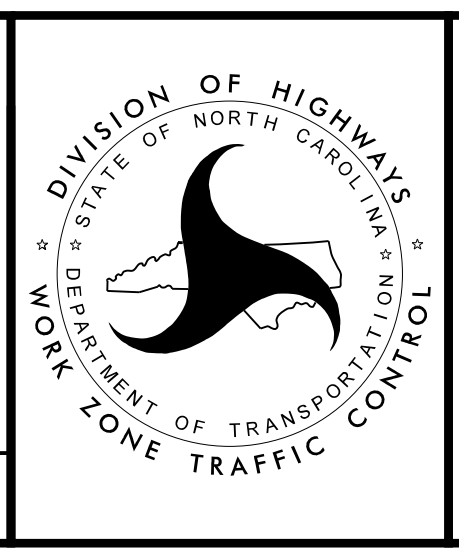
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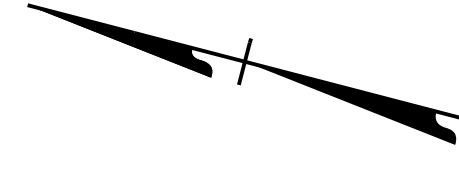


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UNLESS ALL SIGNATURES COMPLETED

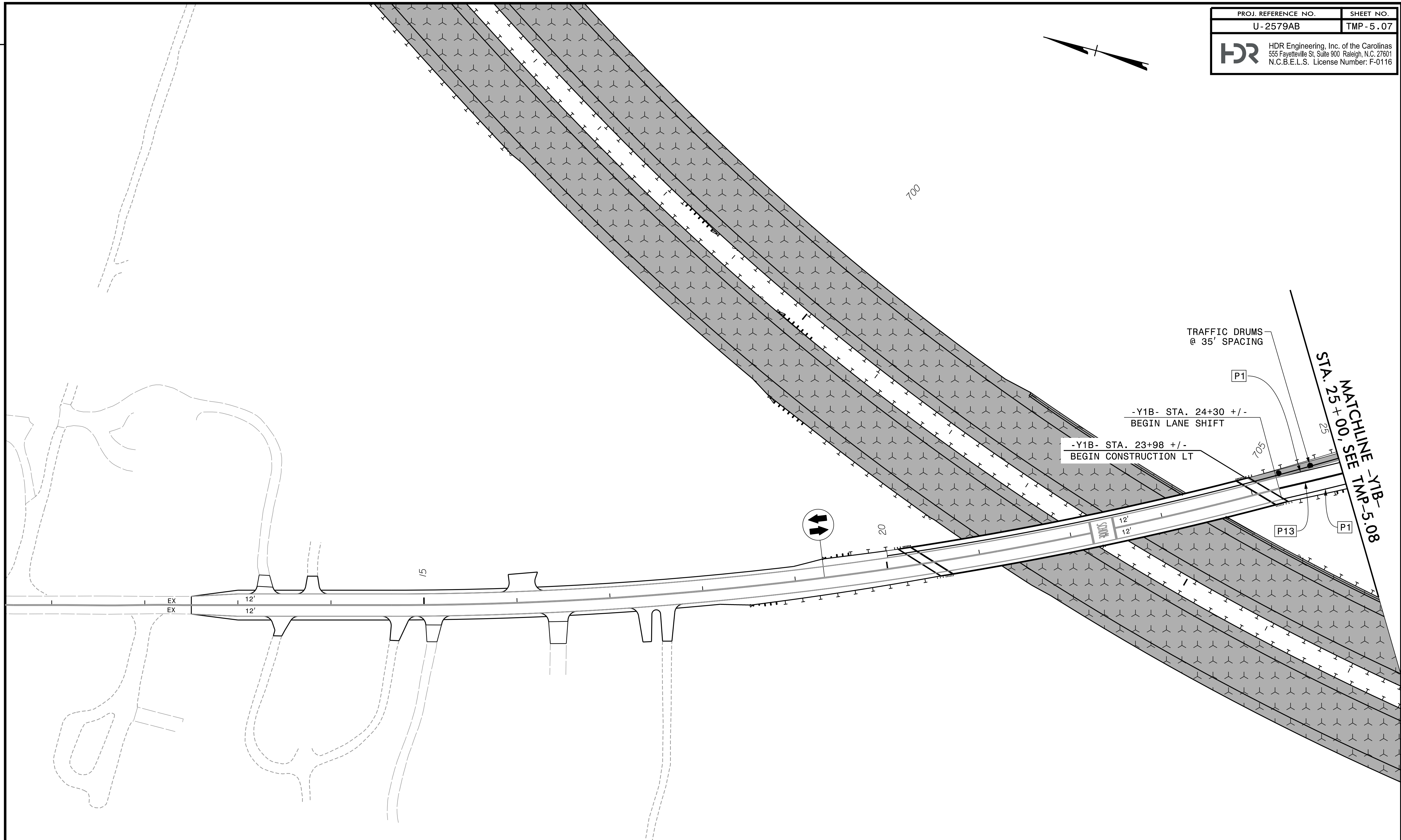


AREA 2
 PHASE 3 STEP 1

PROJ. REFERENCE NO.	SHEET NO.
U-2579AB	TMP-5.07
 HDR Engineering, Inc. of the Carolinas 555 Fayetteville St, Suite 900 Raleigh, N.C. 27601 N.C.B.E.L.S. License Number: F-0116	



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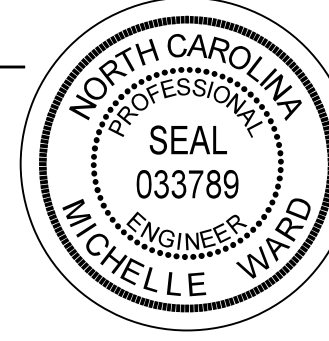


REVISIONS

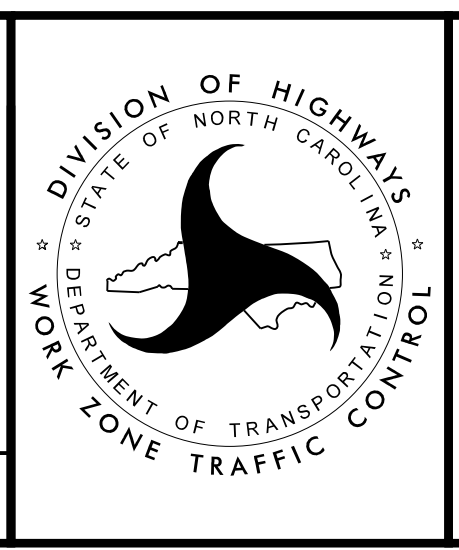
APPROVED: *Michelle Ward*

DATE: 10/13/2021

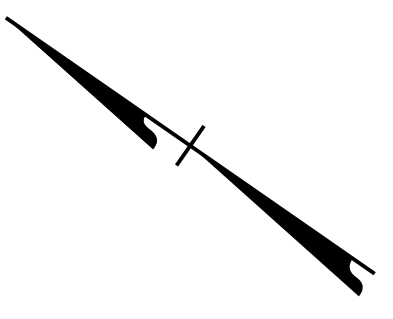
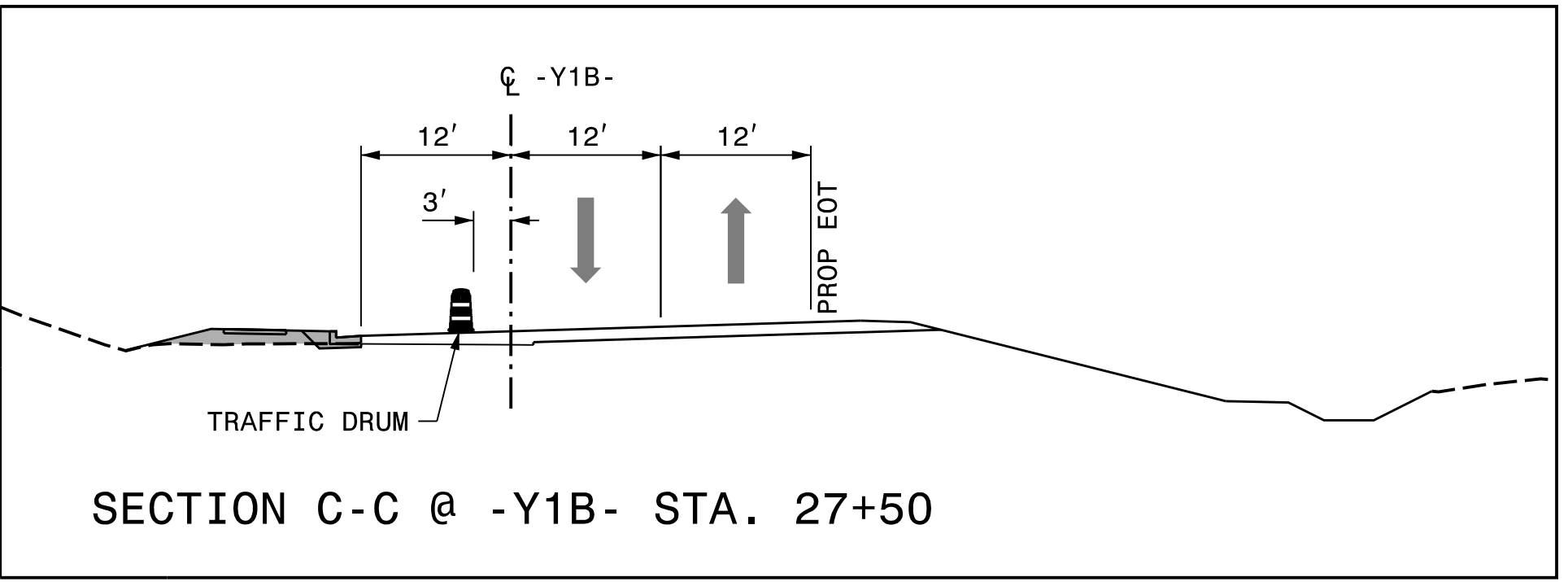
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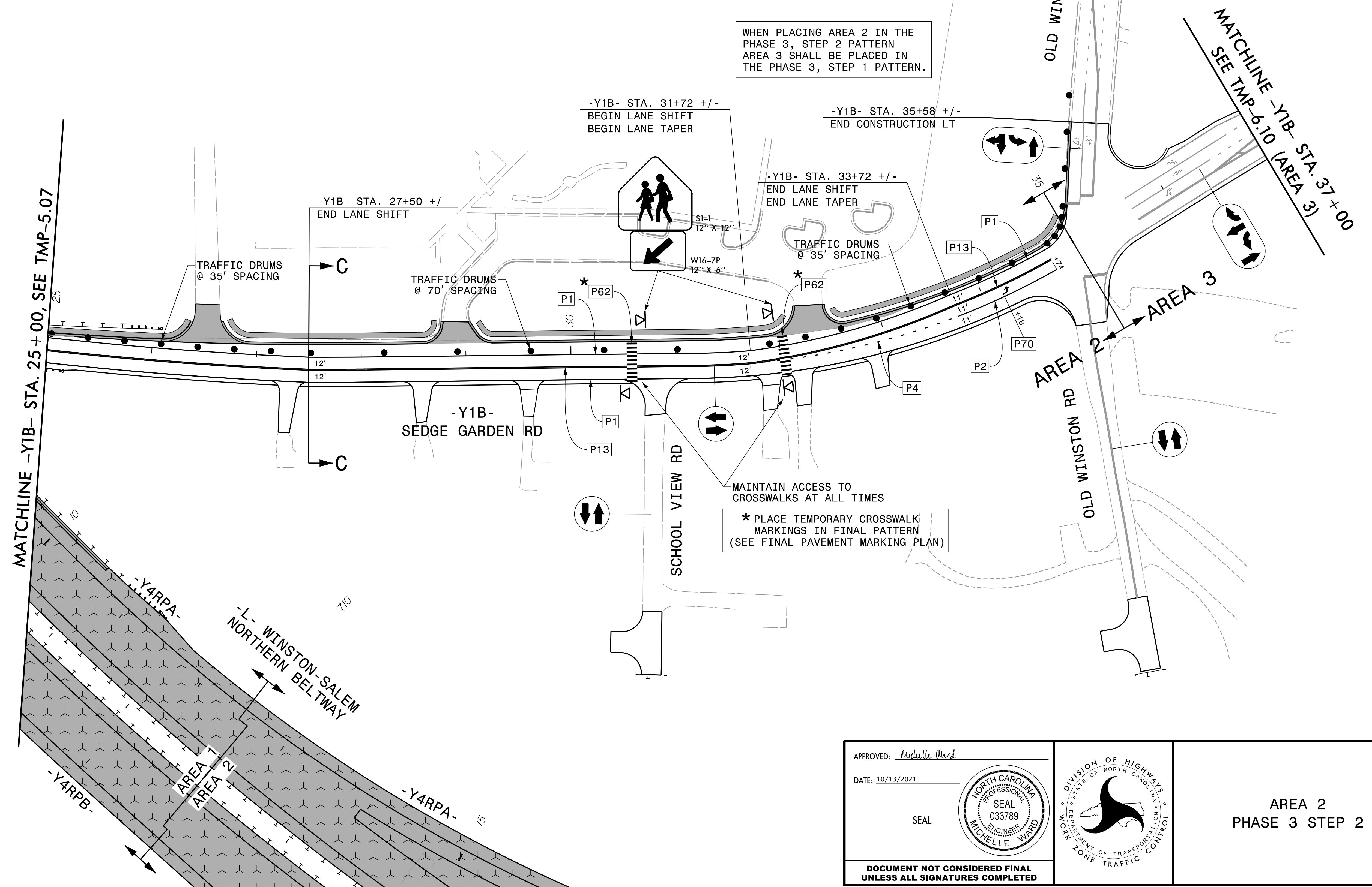
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UNLESS ALL SIGNATURES COMPLETED**



AREA 2
 PHASE 3 STEP 2



WHEN PLACING AREA 2 IN THE PHASE 3, STEP 2 PATTERN AREA 3 SHALL BE PLACED IN THE PHASE 3, STEP 1 PATTERN.



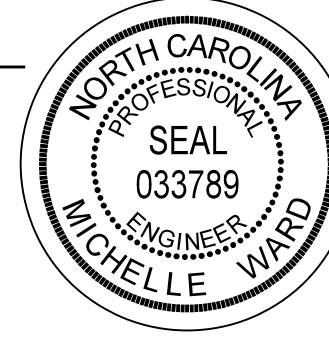
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REVISIONS

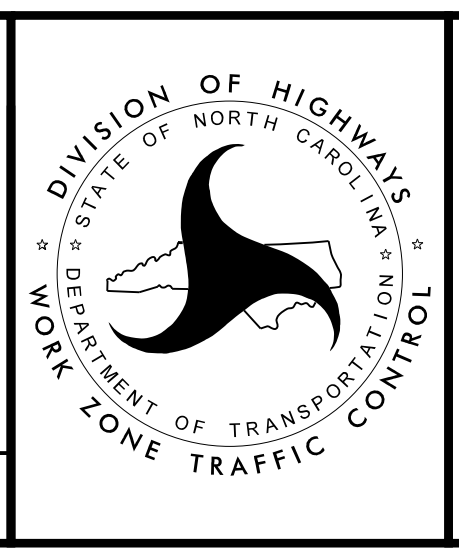
APPROVED: *Michelle Ward*

DATE: 10/13/2021

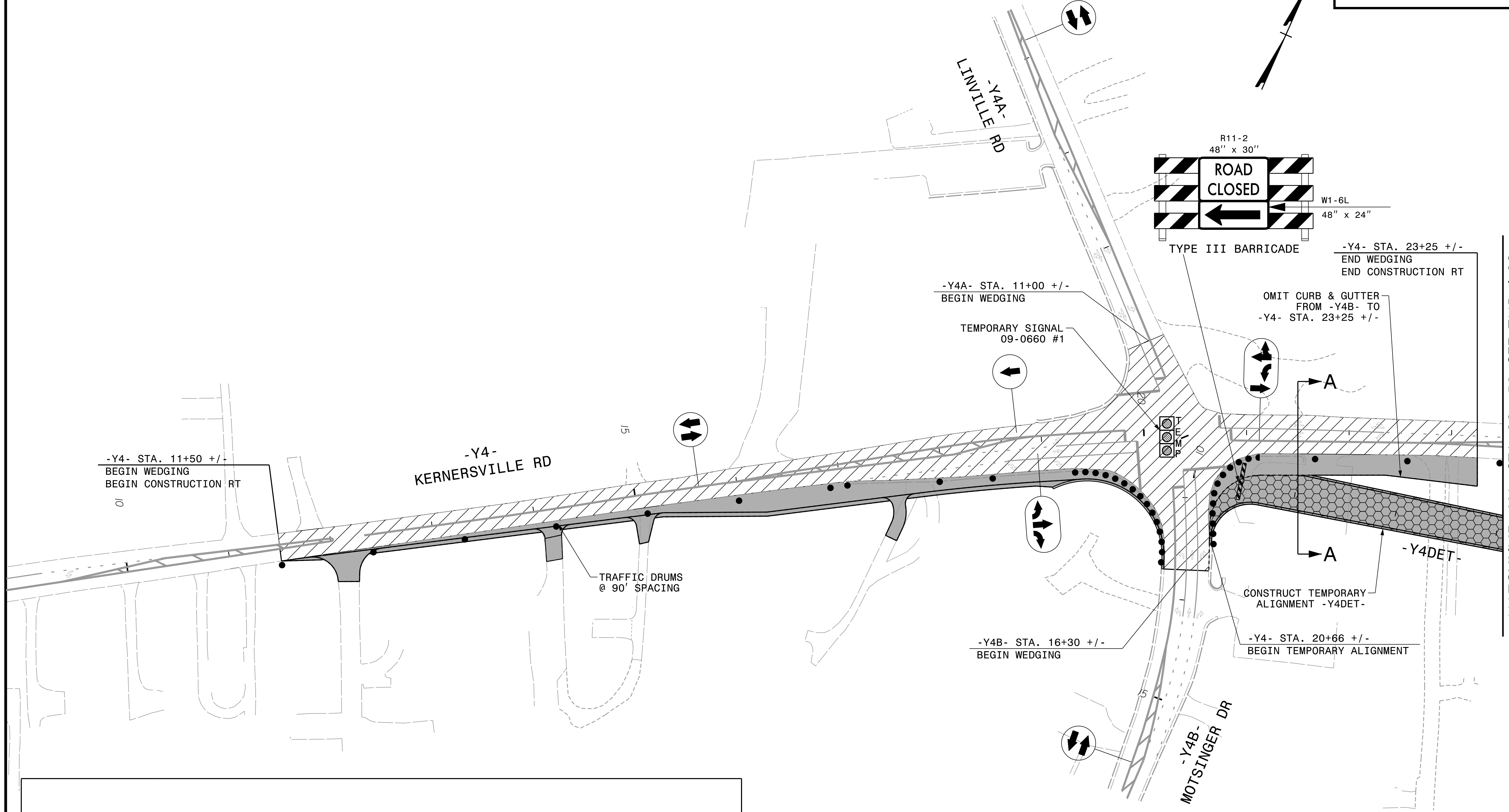
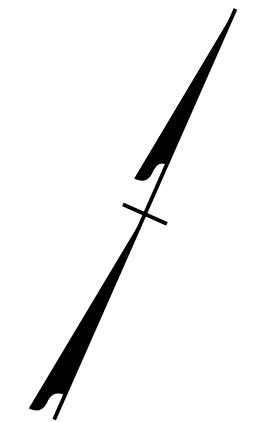
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UNLESS ALL SIGNATURES COMPLETED**

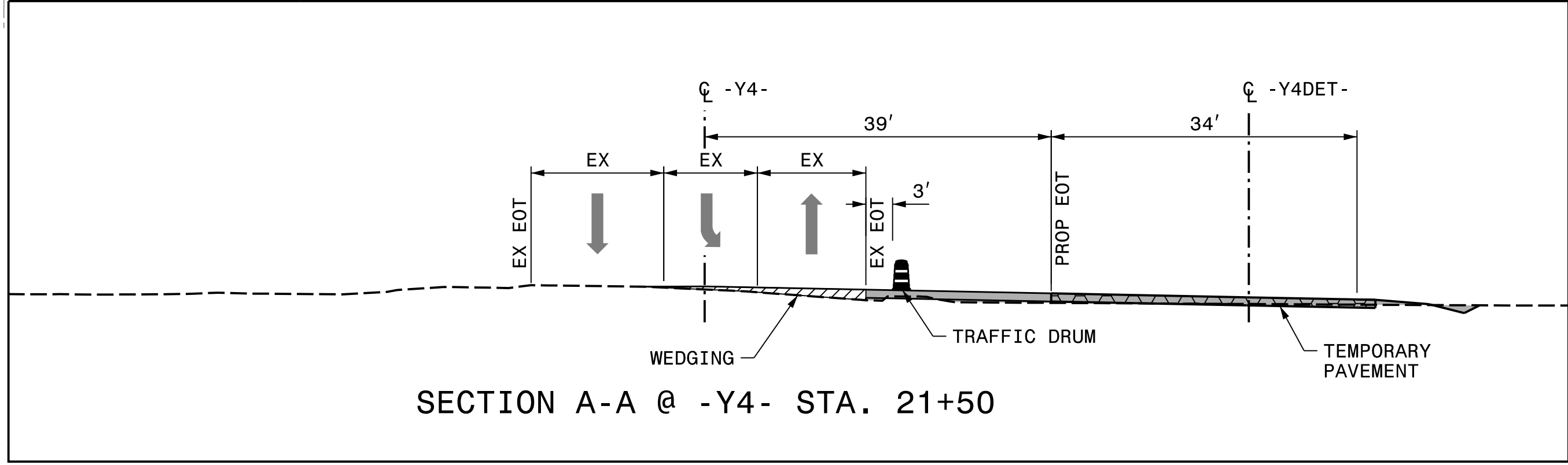


AREA 2
PHASE 3 STEP 2



REVISIONS

MATCHLINE -Y4- STA. 23+50, SEE TMP-6.02

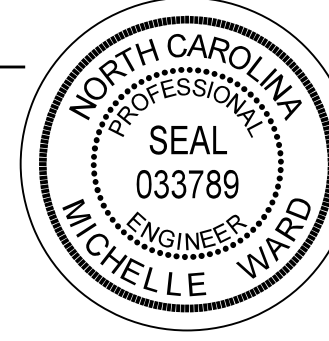


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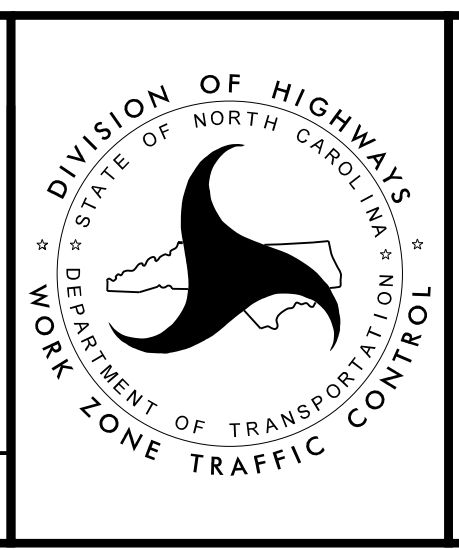
APPROVED: *Michelle Ward*

DATE: 10/13/2021

SEAL



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UNLESS ALL SIGNATURES COMPLETED



AREA 3
PHASE 1

MATCHLINE -Y4- STA. 23 + 50, SEE TMP-6.01

MATCHLINE -Y4- STA. 37 + 50, SEE TMP-6.03

-Y4RPB- STA. 22+78.69 =
 -Y4SPB1- STA. 22+78.69
 -Y4SPB2- STA. 22+78.69

-Y4SPB1- STA. 23+47 +/-
 -Y4SPB2- STA. 23+39 +/-
 END CONSTRUCTION

-Y4RPA- STA. 21+50 +/-
 END CONSTRUCTION

-L- STA. 720+25 +/-
 END CONSTRUCTION

-Y4RPB-
 -Y4SPB1-
 -Y4SPB2-

-L- WINSTON-SALEM
 NORTHERN BELTWAY

OLD WINSTON RD

-Y4-
 KERNERSVILLE RD

OAK GROVE
 CHURCH RD

-Y4DET-

REMOVE SIGNAL AND STOP BARS
 ONCE OAK GROVE CHURCH RD &
 OLD WINSTON RD ARE CLOSED

CONSTRUCT TEMPORARY
 ALIGNMENT -Y4DET-

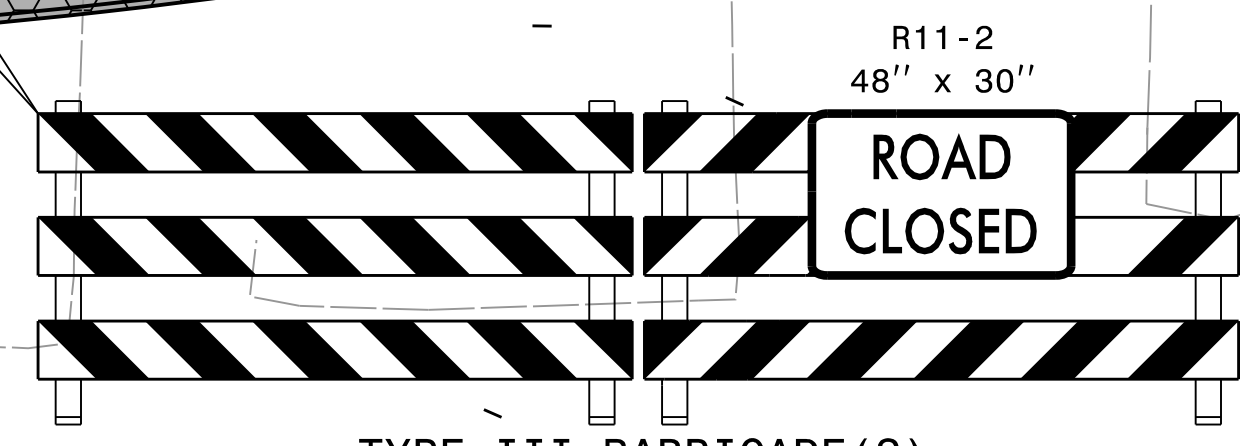
-L- STA. 726+50 +/-
 BEGIN CONSTRUCTION

-Y4RPC- STA. 20+50 +/-
 END CONSTRUCTION

-L- WINSTON-SALEM
 NORTHERN BELTWAY

-Y4RPD- STA. 21+00 +/-
 END CONSTRUCTION

BREAKLINE
 SEE TMP-5.02
 (AREA 2)

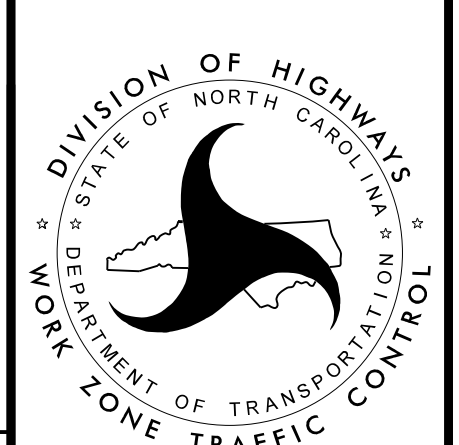
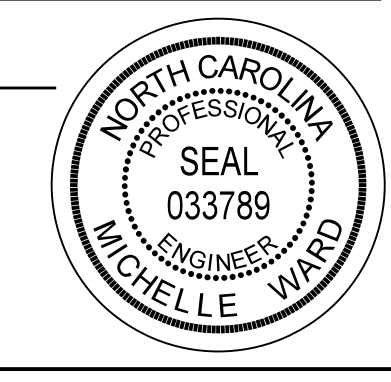


DO NOT CLOSE NORTH END OF EXISTING OAK GROVE CHURCH RD
 UNTIL -SR1-, -Y6-, AND -Y8- IN AREA 1 HAVE BEEN
 CONSTRUCTED IN ORDER TO MAINTAIN ALL PROPOSED ACCESS

APPROVED: *Michelle Ward*

DATE: 10/13/2021

SEAL



AREA 3
 PHASE 1

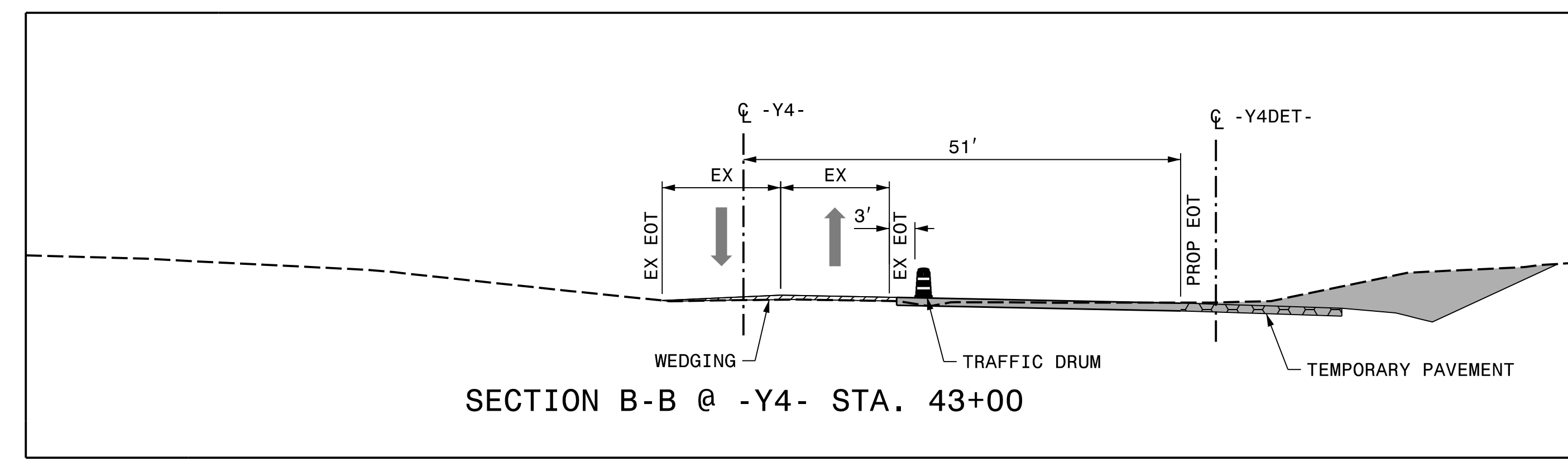
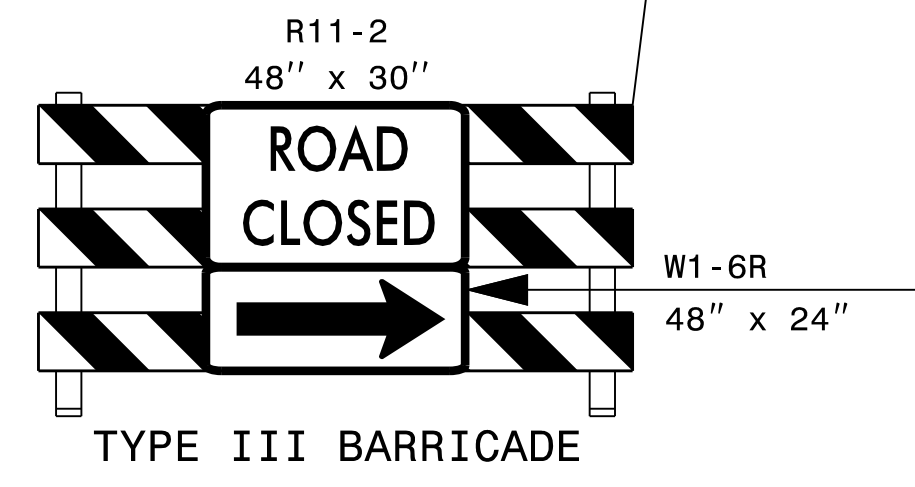
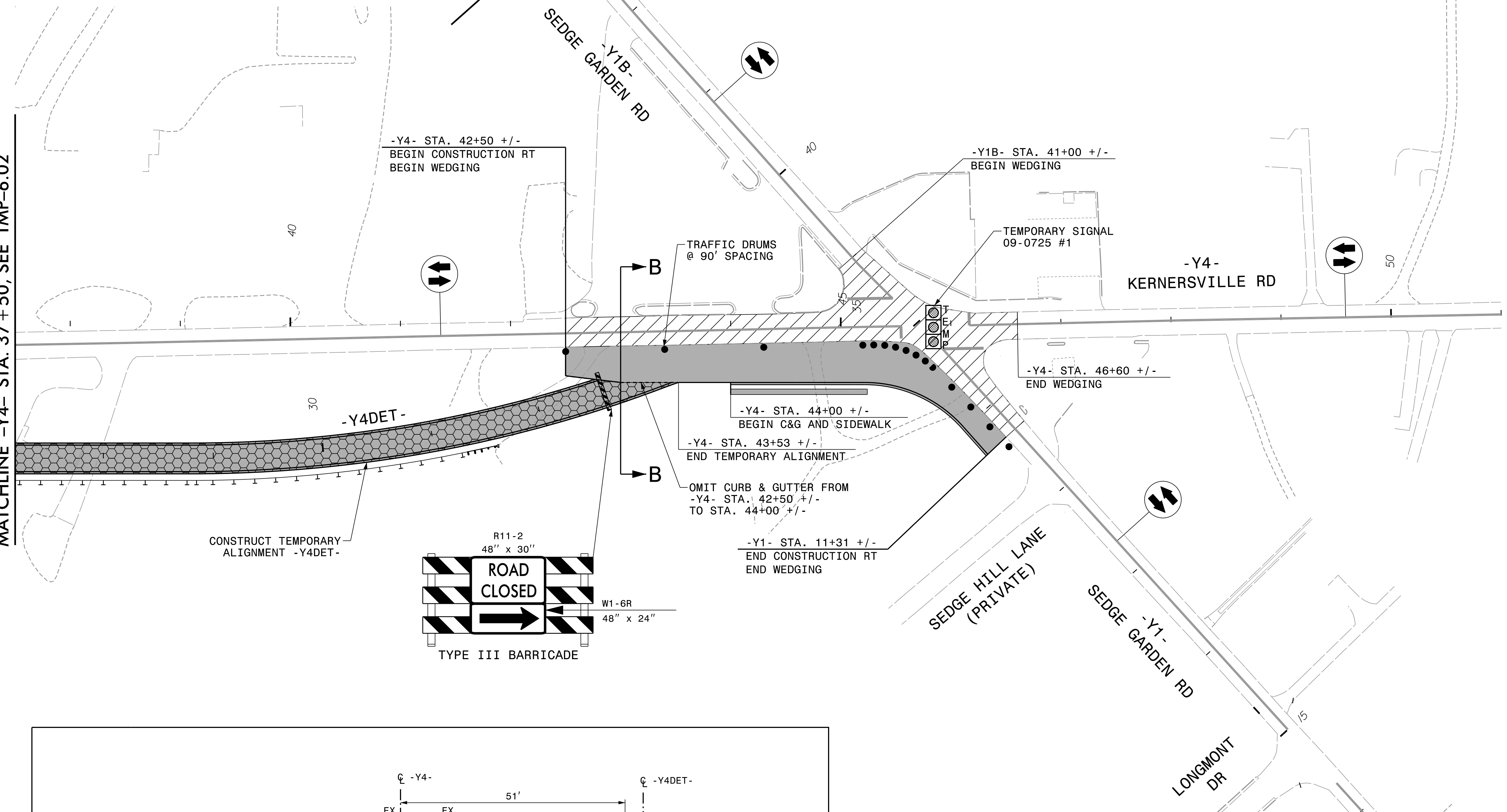
DOCUMENT NOT CONSIDERED FINAL
 UNLESS ALL SIGNATURES COMPLETED

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REVISIONS

MATCHLINE -Y4- STA. 37 + 50, SEE TMP-6.02

MATCHLINE
-Y1B- STA. 37 + 00
SEE TMP-5.02 (AREA 2)

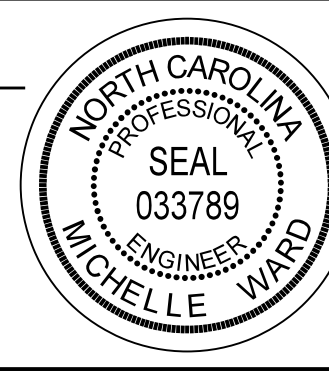
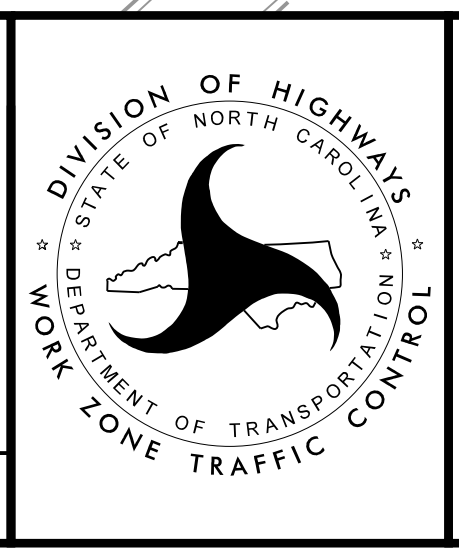


REVISIONS

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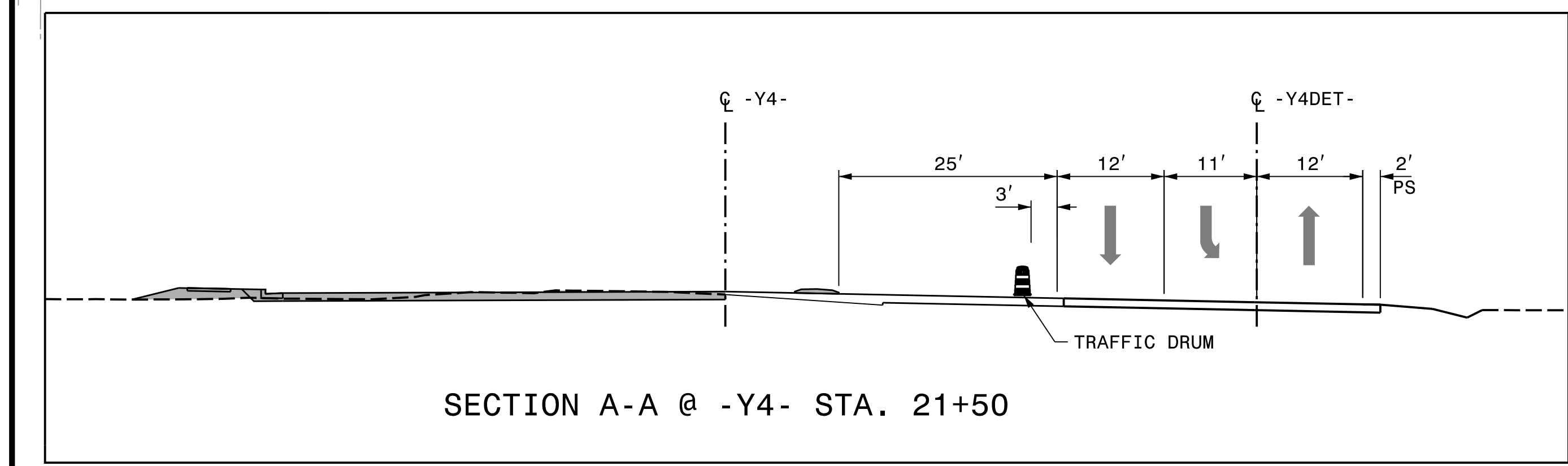
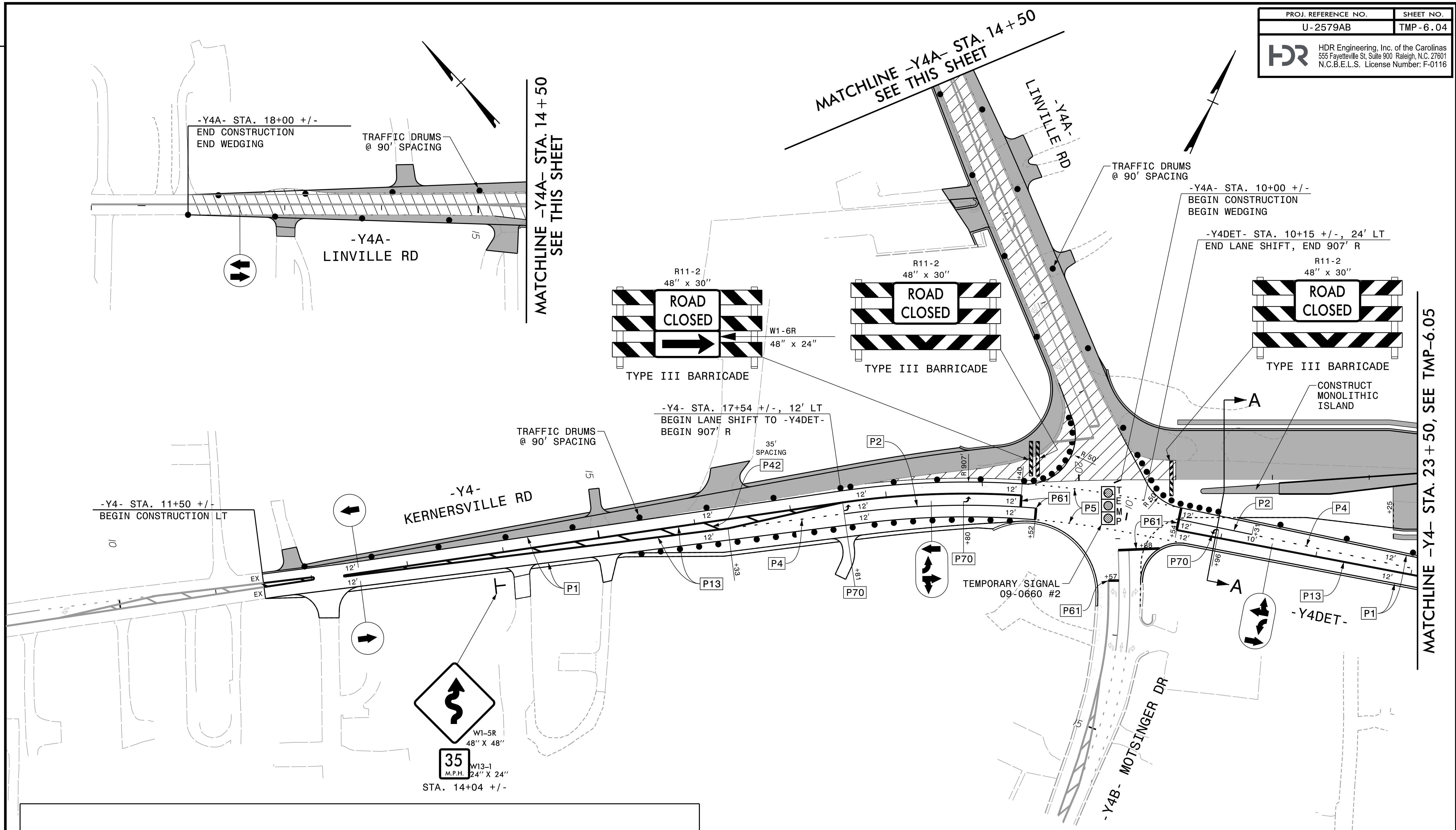
APPROVED: *Michelle Ward*
 DATE: 10/13/2021

SEAL

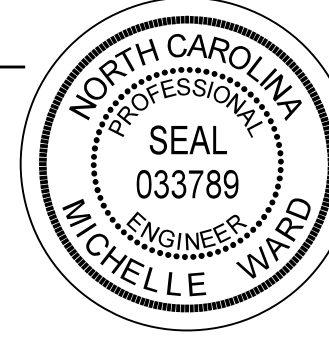
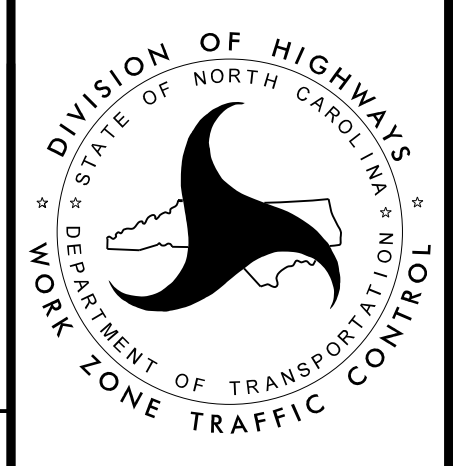
AREA 3
 PHASE 1


DOCUMENT NOT CONSIDERED FINAL
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REVISIONS

APPROVED: <i>Michelle Ward</i> DATE: 10/13/2021 SEAL 		AREA 3 PHASE 2
DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED		

PROJ. REFERENCE NO.	SHEET NO.
U-2579AB	TMP-6.05
 HDR Engineering, Inc. of the Carolinas 555 Fayetteville St, Suite 900 Raleigh, N.C. 27601 N.C.B.E.L.S. License Number: F-0116	

MATCHLINE -Y4- STA. 23+50, SEE TMP-6.04

MATCHLINE -Y4- STA. 37+50, SEE TMP-6.06

-Y4RPB- STA. 22+78.69 =
 -Y4SPB1- STA. 22+78.69
 -Y4SPB2- STA. 22+78.69

-Y4SPB1- STA. 23+47 +/-
 -Y4SPB2- STA. 23+39 +/-
 BEGIN CONSTRUCTION

-L- STA. 720+25 +/-
 BEGIN CONSTRUCTION

-Y4RPA- STA. 21+50 +/-
 BEGIN CONSTRUCTION

-Y4SPA- STA. 22+21.97 =
 -Y4RPA- STA. 22+21.97

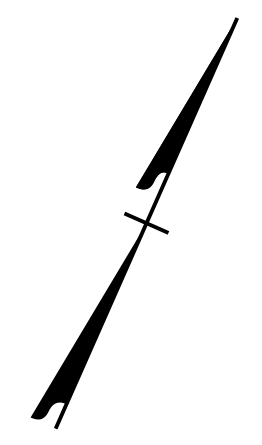
-Y4SPD1- STA. 25+07 +/-
 BEGIN CONSTRUCTION

-Y4SPC- STA. 23+25 +/-
 BEGIN CONSTRUCTION

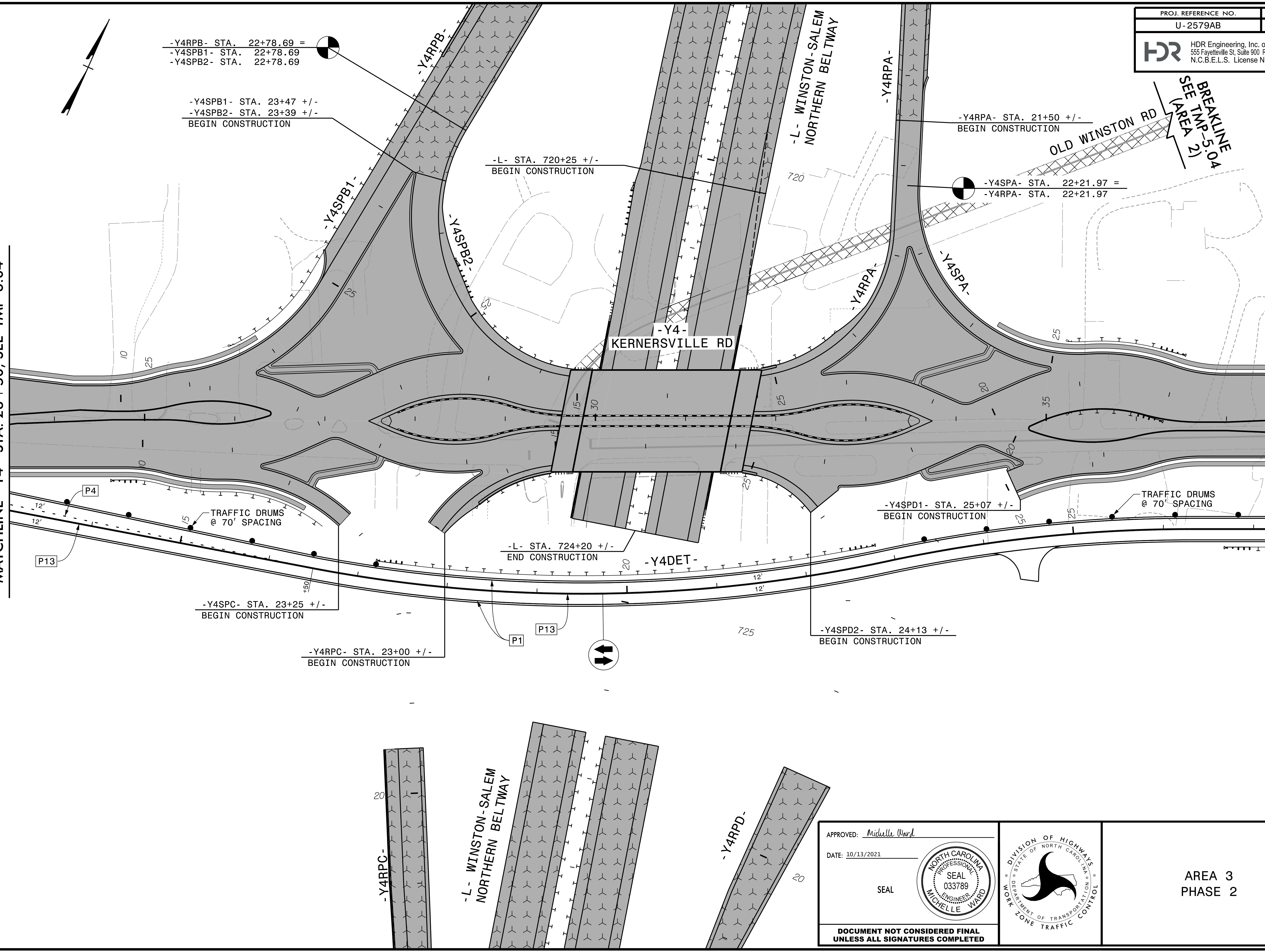
-Y4RPC- STA. 23+00 +/-
 BEGIN CONSTRUCTION

-Y4SPD2- STA. 24+13 +/-
 BEGIN CONSTRUCTION

-L- STA. 724+20 +/-
 END CONSTRUCTION



BREAKLINE
 SEE TMP-5.04
 (AREA 2)

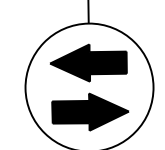


P13

P4

TRAFFIC DRUMS @ 70' SPACING

TRAFFIC DRUMS @ 70' SPACING



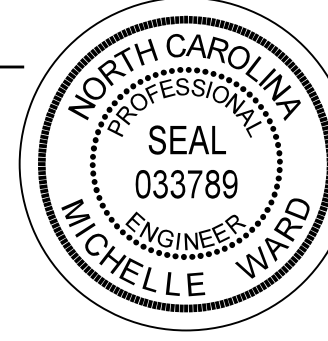
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REVISIONS

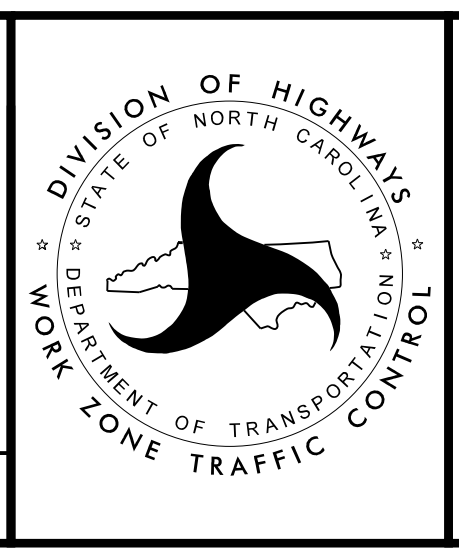
APPROVED: *Michelle Ward*

DATE: 10/13/2021

SEAL



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UNLESS ALL SIGNATURES COMPLETED



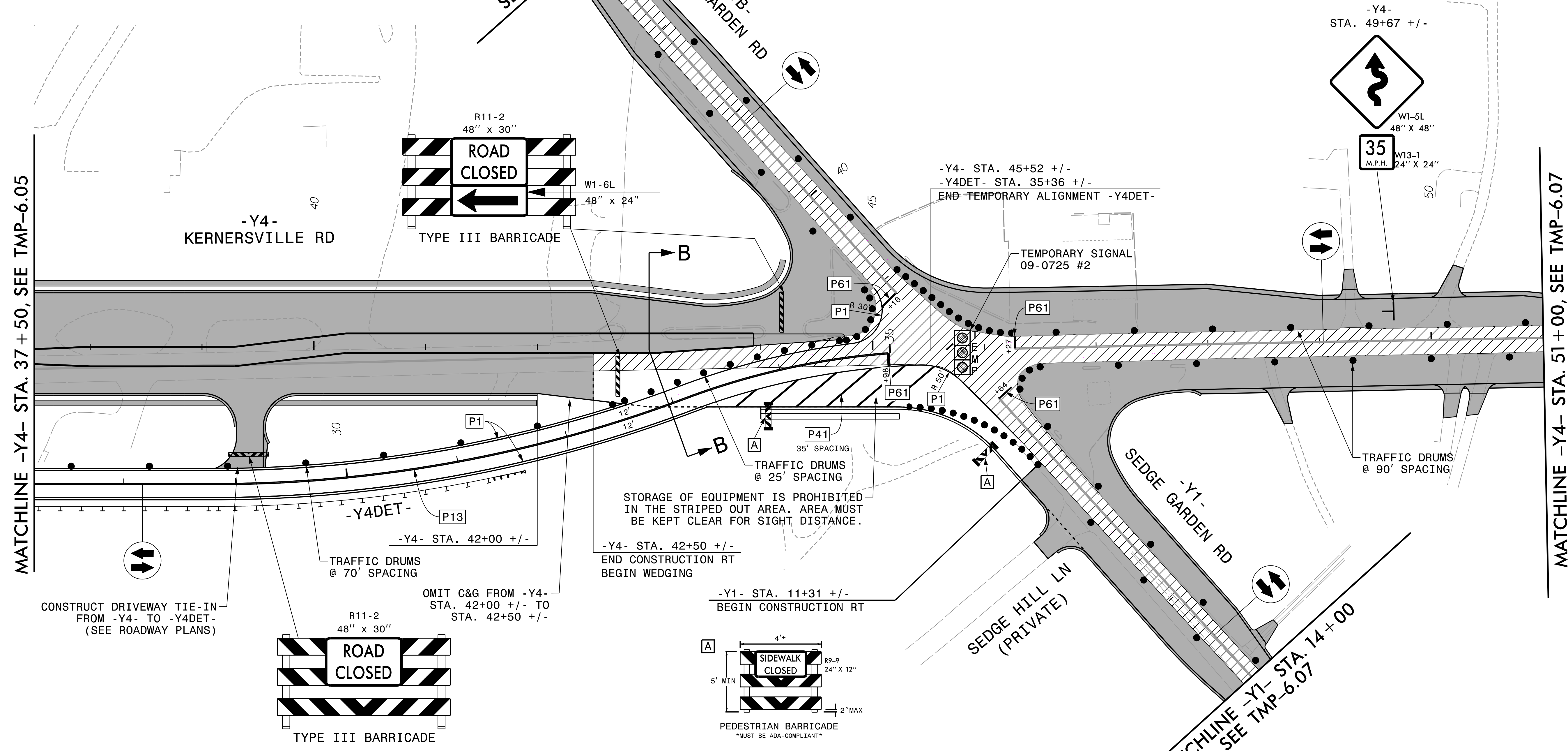
AREA 3
PHASE 2

PROJ. REFERENCE NO.	SHEET NO.
U-2579AB	TMP-6.06
HDR Engineering, Inc. of the Carolinas 555 Fayetteville St, Suite 900 Raleigh, N.C. 27601 N.C.B.E.L.S. License Number: F-0116	

MATCHLINE -Y1B- STA. 37+00
SEE TMP-5.04 (AREA 2)

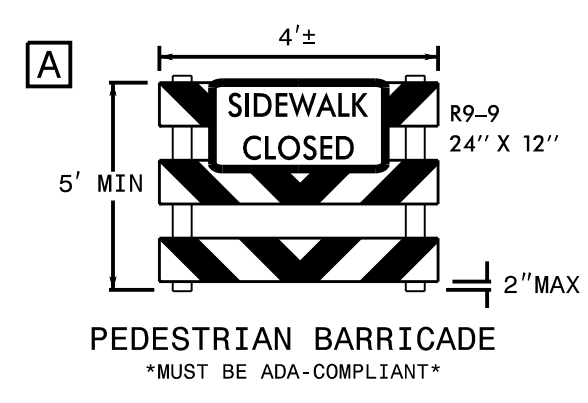
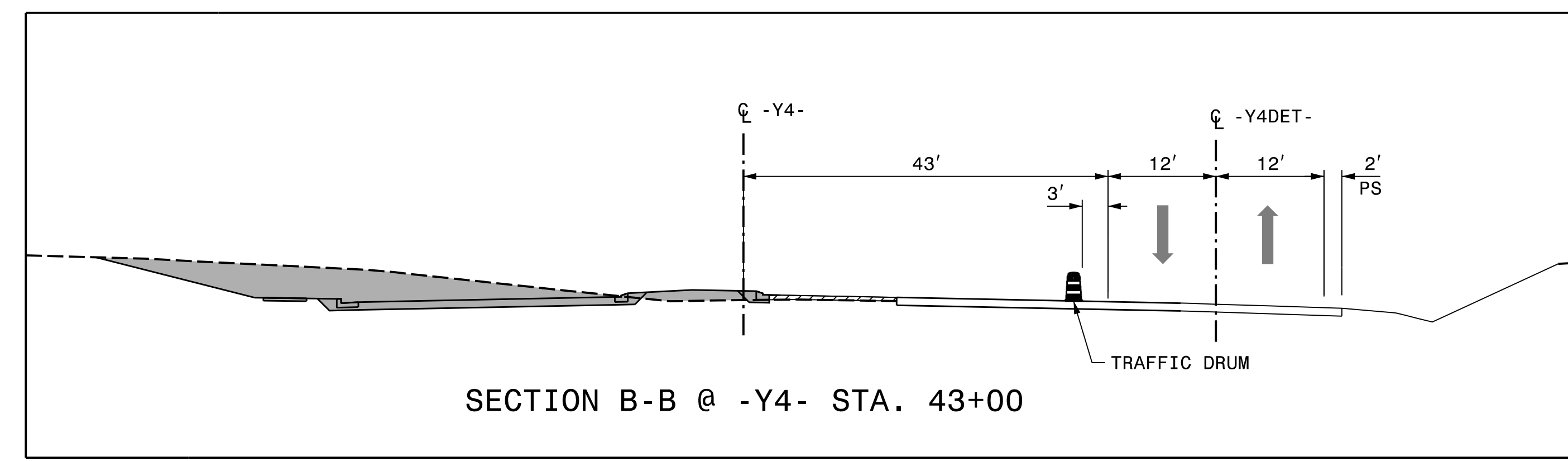
MATCHLINE -Y4- STA. 37+50, SEE TMP-6.05

MATCHLINE -Y4- STA. 51+00, SEE TMP-6.07



CONSTRUCT DRIVEWAY TIE-IN FROM -Y4- TO -Y4DET- (SEE ROADWAY PLANS)

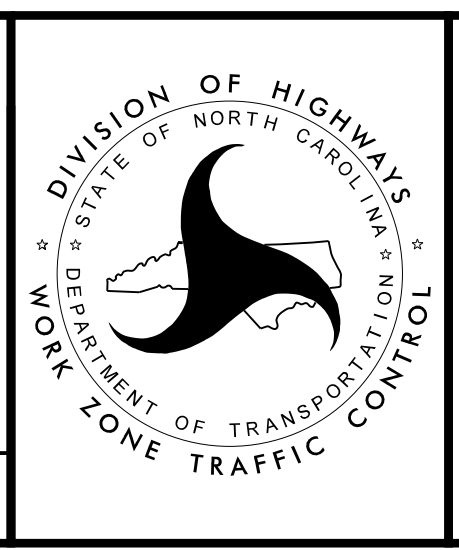
STORAGE OF EQUIPMENT IS PROHIBITED IN THE STRIPED OUT AREA. AREA MUST BE KEPT CLEAR FOR SIGHT DISTANCE.



APPROVED: *Michelle Ward*
DATE: 10/13/2021

SEAL


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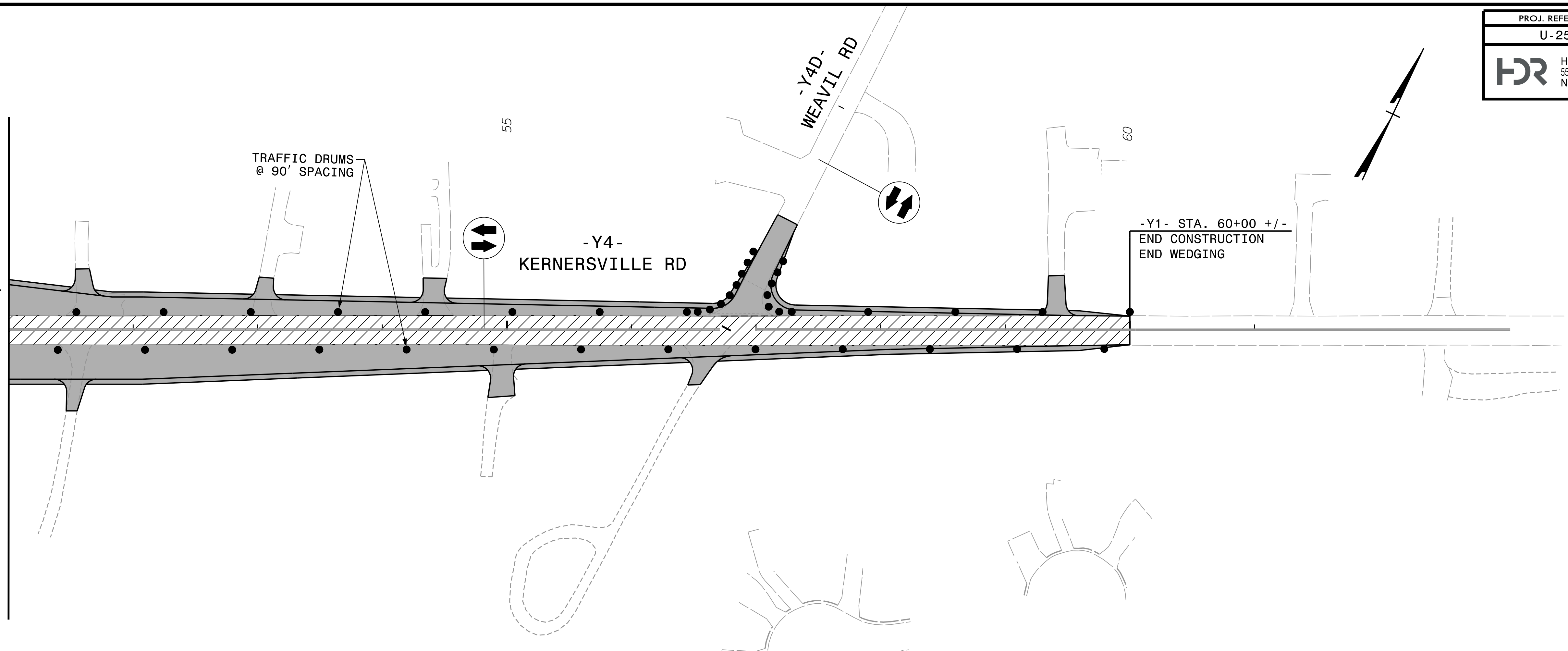
AREA 3
PHASE 2

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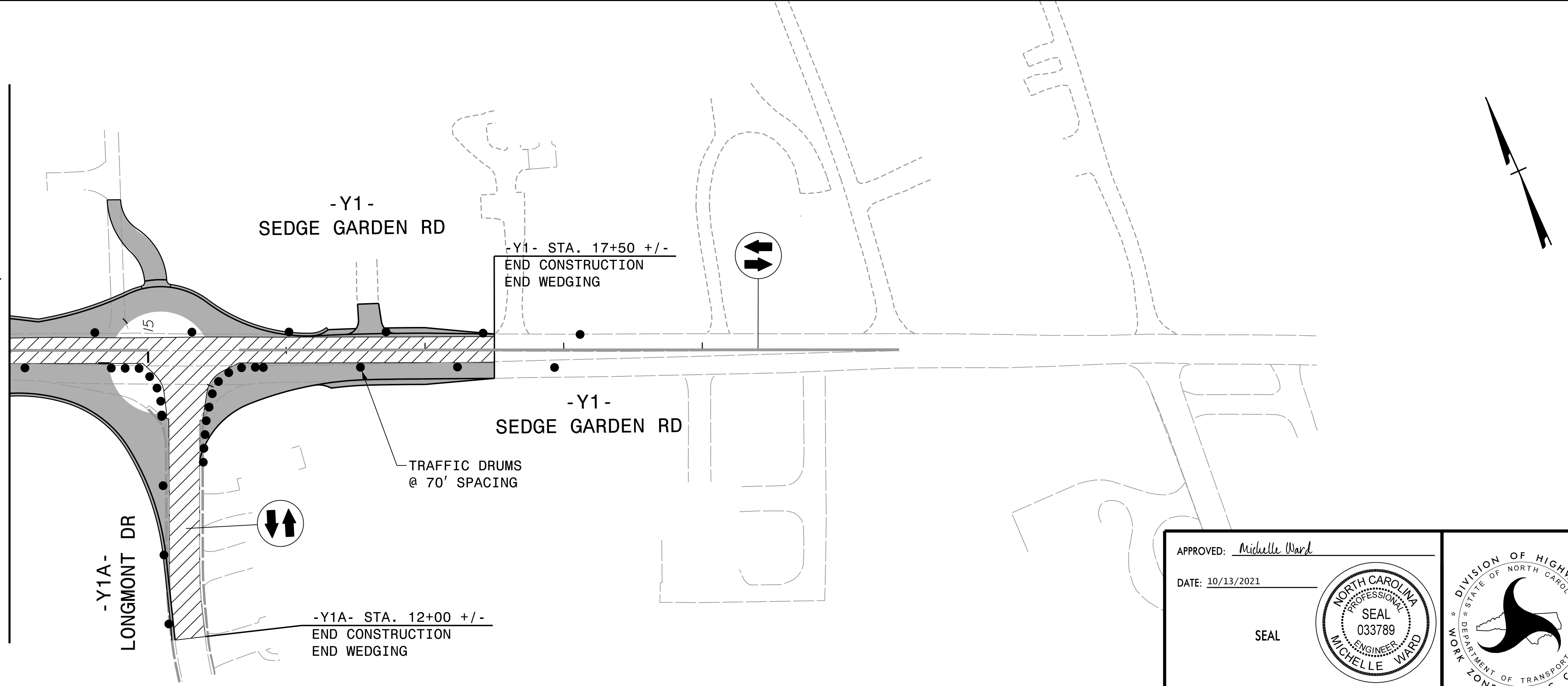
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PROJ. REFERENCE NO.	SHEET NO.
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 HDR Engineering, Inc. of the Carolinas 555 Fayetteville St, Suite 900 Raleigh, N.C. 27601 N.C.B.E.L.S. License Number: F-0116	

MATCHLINE -Y4- STA. 51+00, SEE TMP-6.06



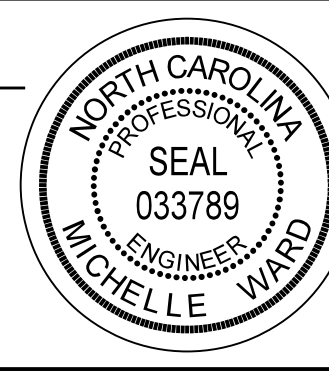
MATCHLINE -Y1- STA. 14+00, SEE TMP-6.06



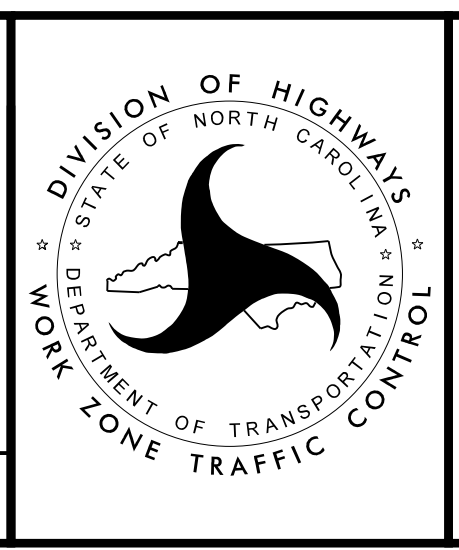
APPROVED: *Michelle Ward*

DATE: 10/13/2021

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**DOCUMENT NOT CONSIDERED FINAL
UNLESS ALL SIGNATURES COMPLETED**

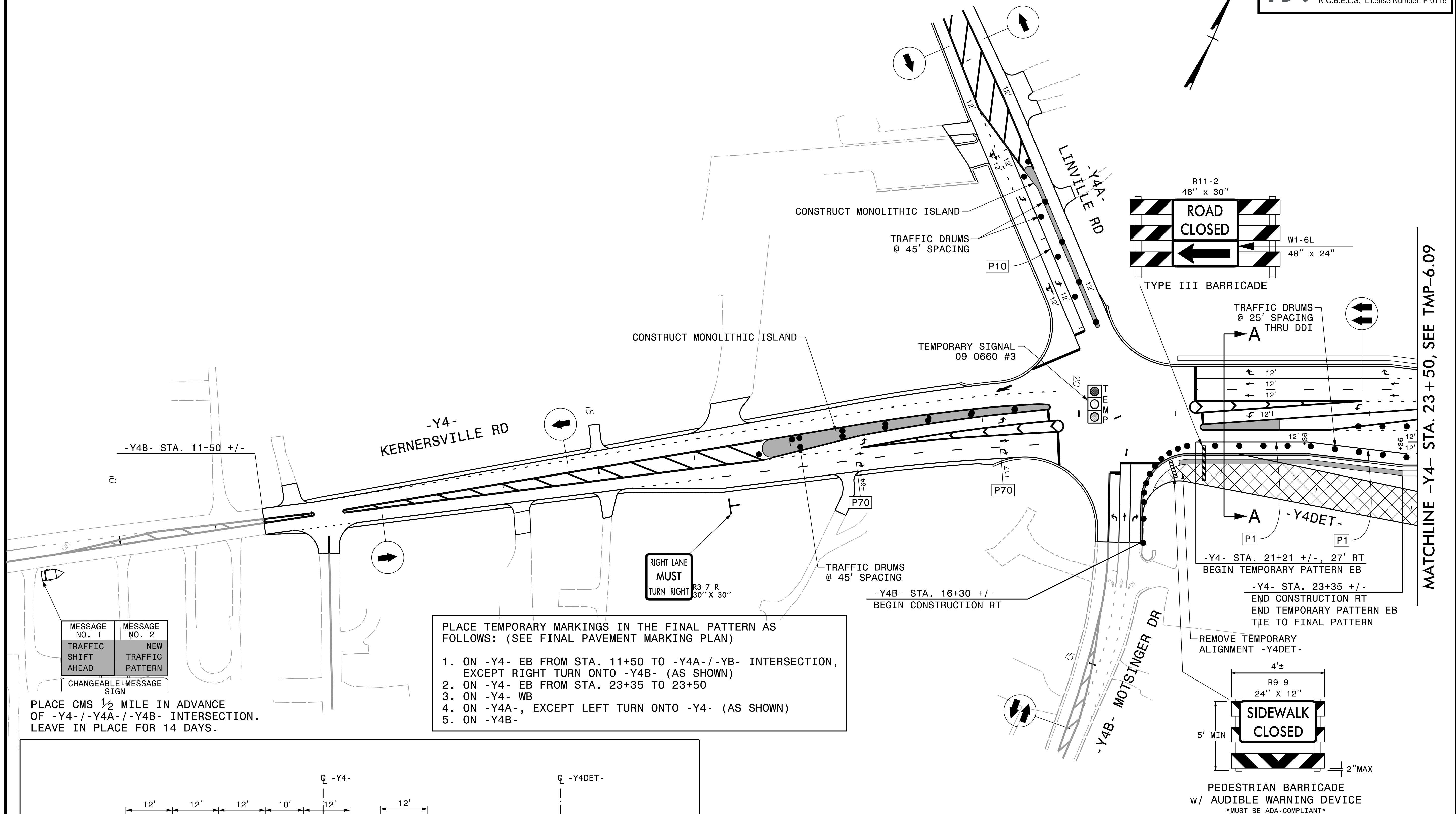


AREA 3
PHASE 2

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REVISIONS

REVISIONS

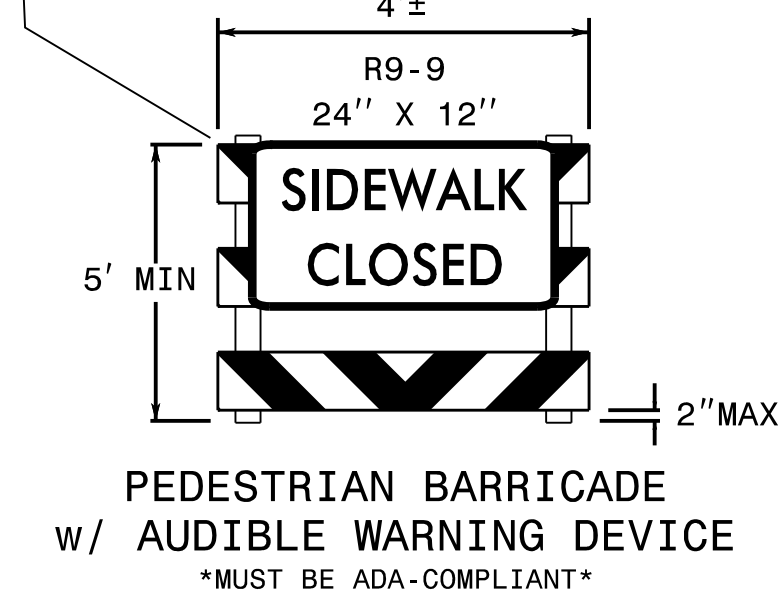
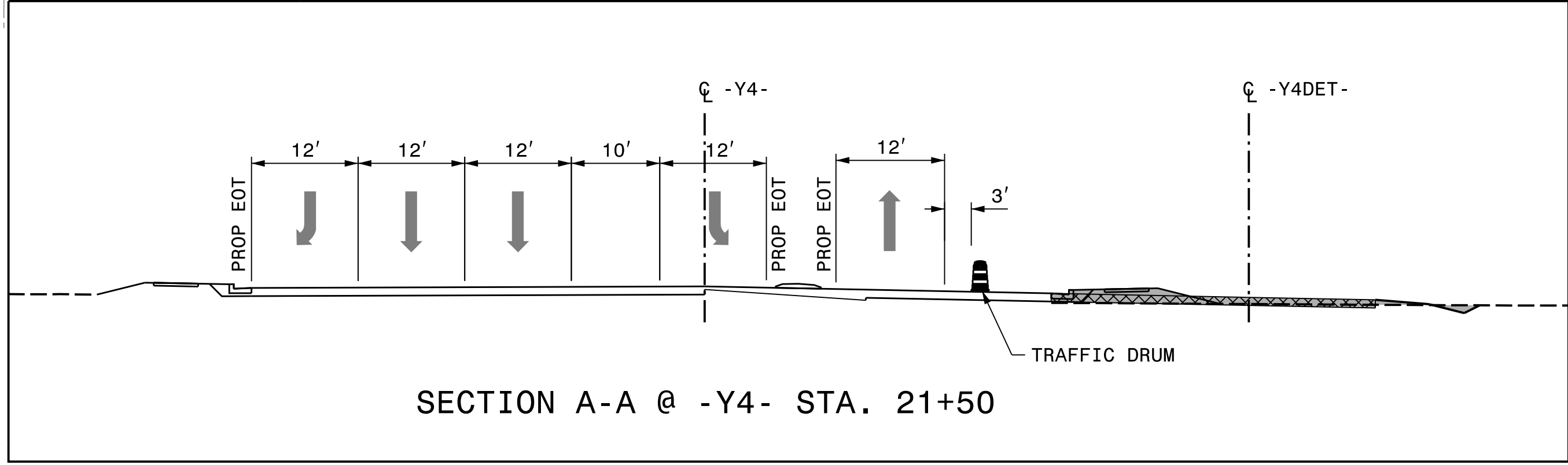


MESSAGE NO. 1	MESSAGE NO. 2
TRAFFIC SHIFT AHEAD	NEW TRAFFIC PATTERN

CHANGEABLE MESSAGE SIGN

PLACE CMS 1/2 MILE IN ADVANCE OF -Y4- / -Y4A- / -Y4B- INTERSECTION. LEAVE IN PLACE FOR 14 DAYS.

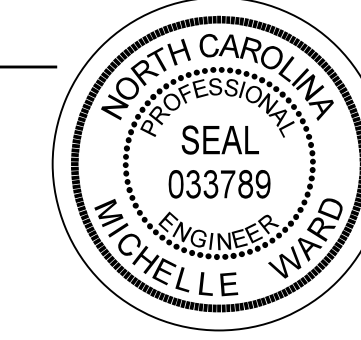
- PLACE TEMPORARY MARKINGS IN THE FINAL PATTERN AS FOLLOWS: (SEE FINAL PAVEMENT MARKING PLAN)
- ON -Y4- EB FROM STA. 11+50 TO -Y4A- / -YB- INTERSECTION, EXCEPT RIGHT TURN ONTO -Y4B- (AS SHOWN)
 - ON -Y4- EB FROM STA. 23+35 TO 23+50
 - ON -Y4- WB
 - ON -Y4A-, EXCEPT LEFT TURN ONTO -Y4- (AS SHOWN)
 - ON -Y4B-



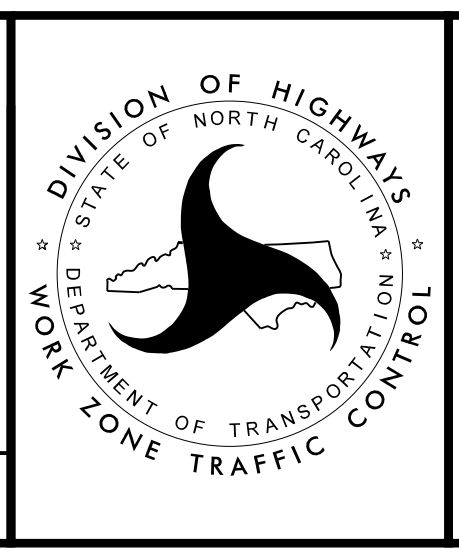
APPROVED: *Michelle Ward*

DATE: 10/13/2021

SEAL



DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED



AREA 3
PHASE 3

MATCHLINE -Y4- STA. 23+50, SEE TMP-6.09

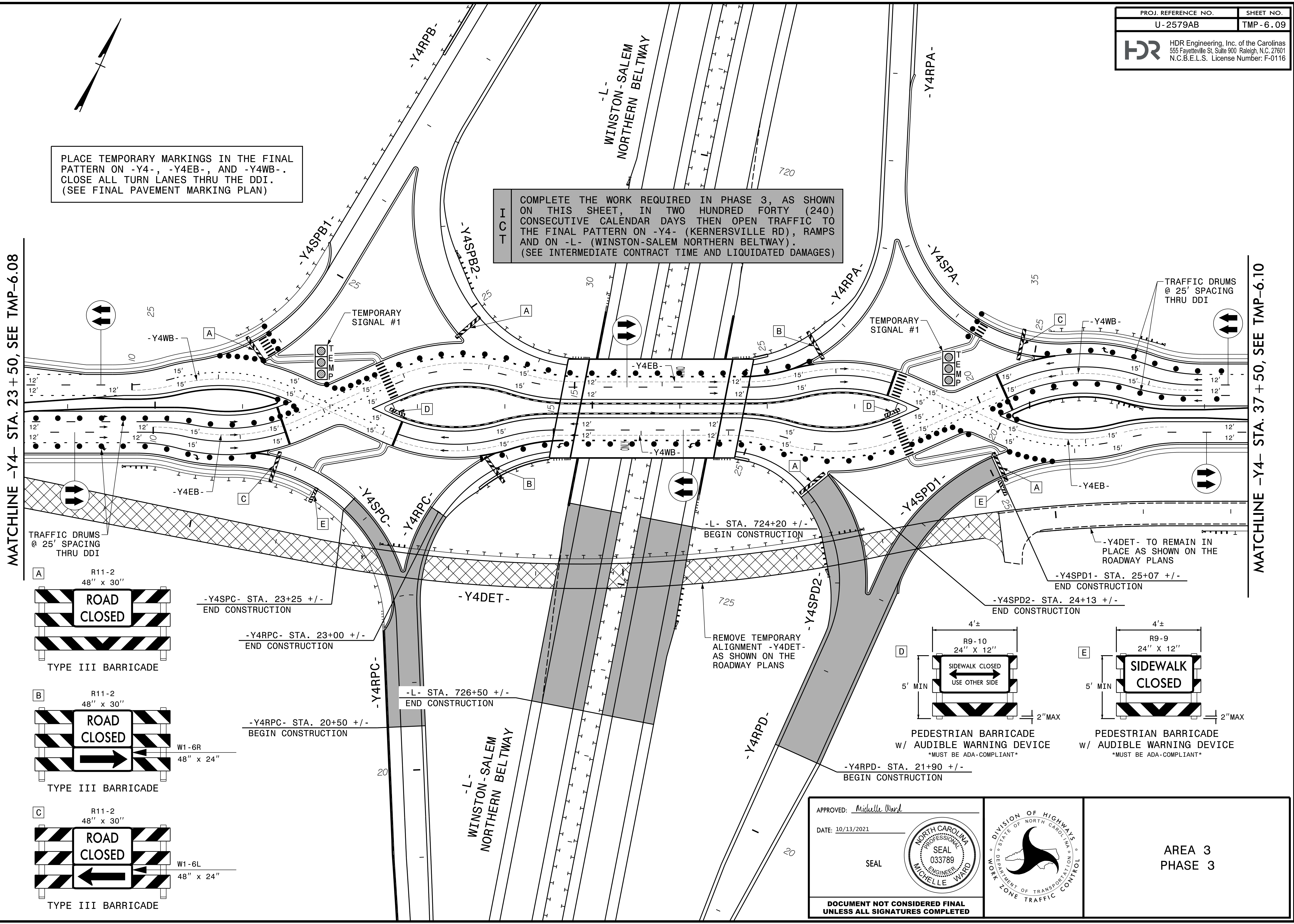
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PLACE TEMPORARY MARKINGS IN THE FINAL PATTERN ON -Y4-, -Y4EB-, AND -Y4WB-. CLOSE ALL TURN LANES THRU THE DDI. (SEE FINAL PAVEMENT MARKING PLAN)

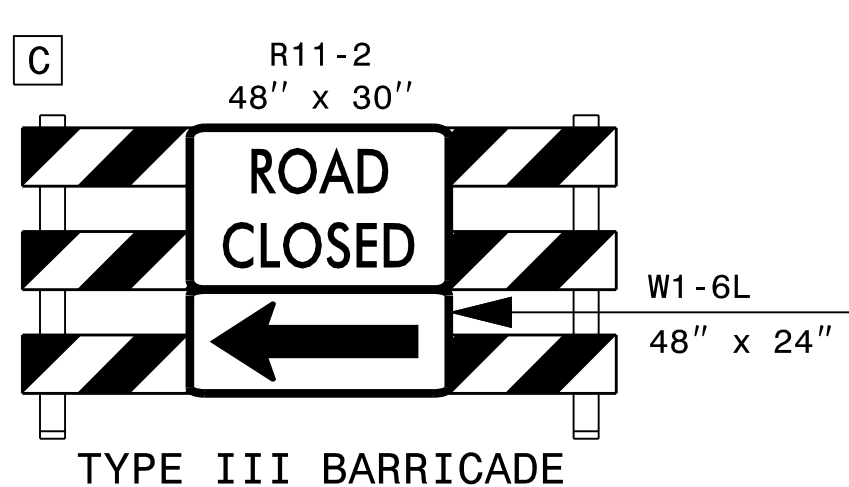
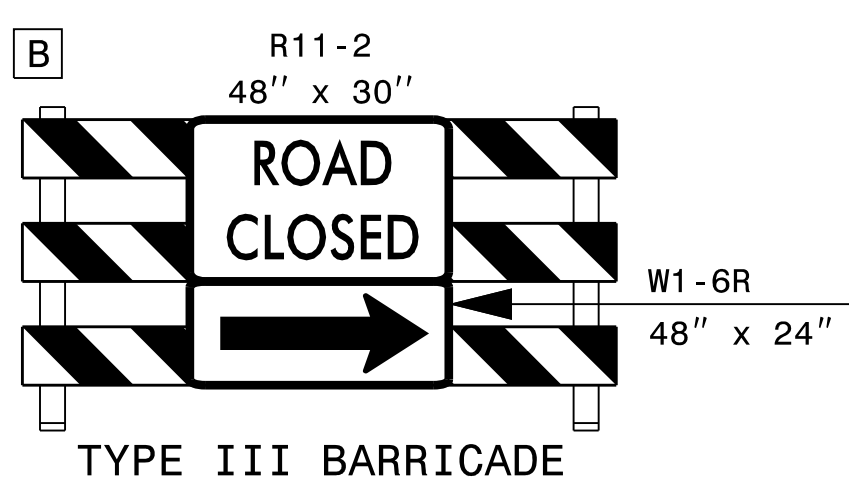
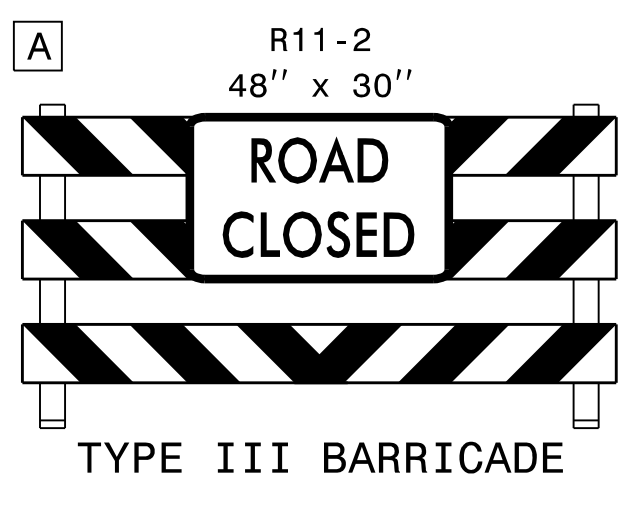
COMPLETE THE WORK REQUIRED IN PHASE 3, AS SHOWN ON THIS SHEET, IN TWO HUNDRED FORTY (240) CONSECUTIVE CALENDAR DAYS THEN OPEN TRAFFIC TO THE FINAL PATTERN ON -Y4- (KERNERSVILLE RD), RAMPS AND ON -L- (WINSTON-SALEM NORTHERN BELTWAY). (SEE INTERMEDIATE CONTRACT TIME AND LIQUIDATED DAMAGES)

MATCHLINE -Y4- STA. 23+50, SEE TMP-6.08

MATCHLINE -Y4- STA. 37+50, SEE TMP-6.10



TRAFFIC DRUMS @ 25' SPACING THRU DDI



-Y4SPC- STA. 23+25 +/-
END CONSTRUCTION

-Y4RPC- STA. 23+00 +/-
END CONSTRUCTION

-Y4RPC- STA. 20+50 +/-
BEGIN CONSTRUCTION

-L- STA. 726+50 +/-
END CONSTRUCTION

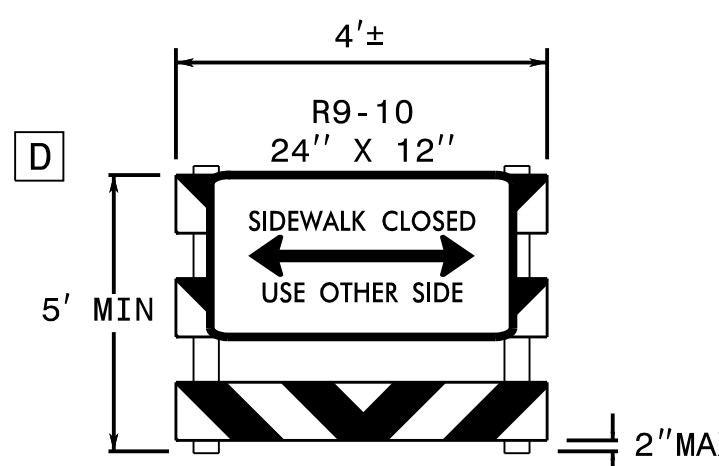
-L- STA. 724+20 +/-
BEGIN CONSTRUCTION

-Y4SPD1- STA. 25+07 +/-
END CONSTRUCTION

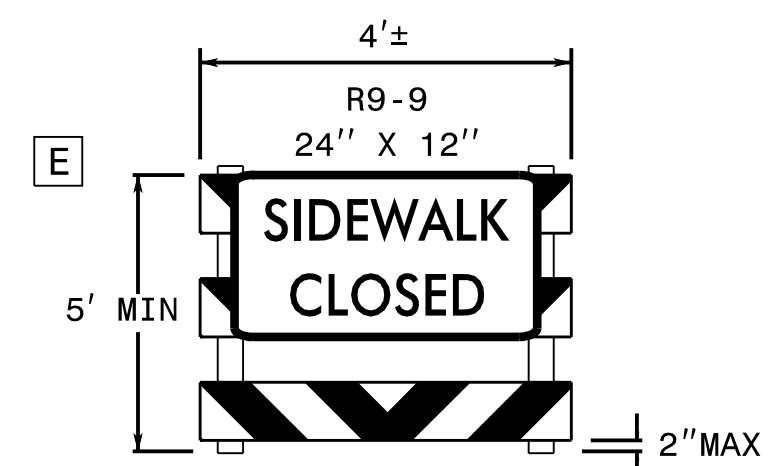
-Y4SPD2- STA. 24+13 +/-
END CONSTRUCTION

-Y4RPD- STA. 21+90 +/-
BEGIN CONSTRUCTION

-Y4DET- TO REMAIN IN PLACE AS SHOWN ON THE ROADWAY PLANS



PEDESTRIAN BARRICADE
w/ AUDIBLE WARNING DEVICE
MUST BE ADA-COMPLIANT

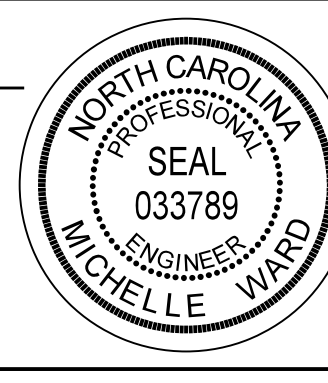


PEDESTRIAN BARRICADE
w/ AUDIBLE WARNING DEVICE
MUST BE ADA-COMPLIANT

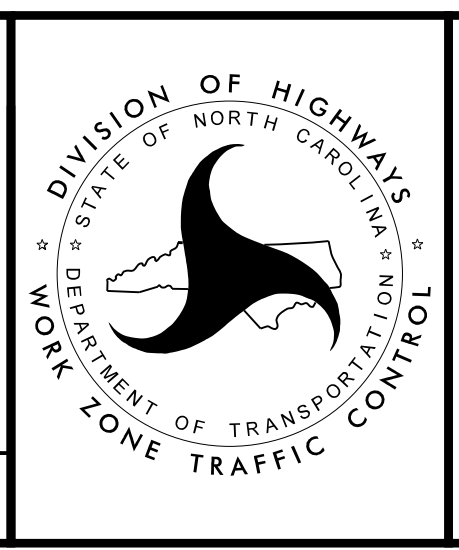
APPROVED: *Michelle Ward*

DATE: 10/13/2021

SEAL



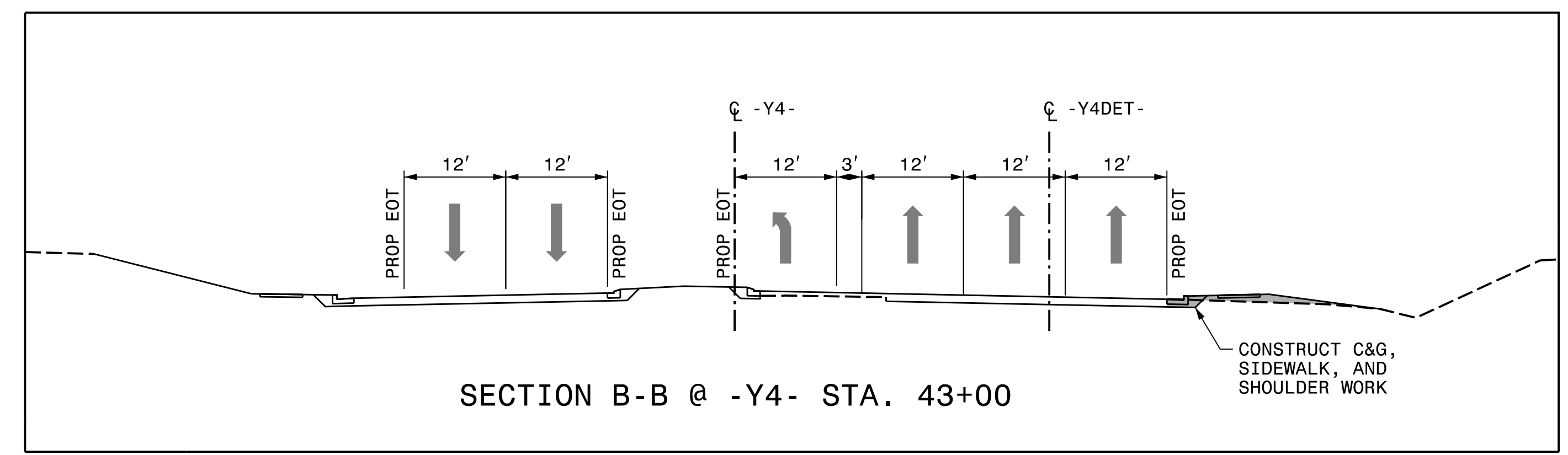
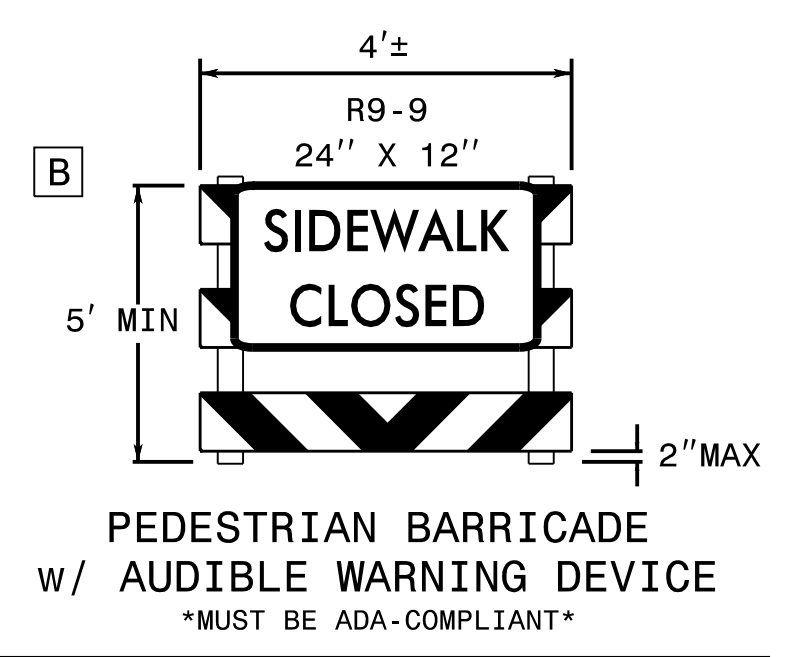
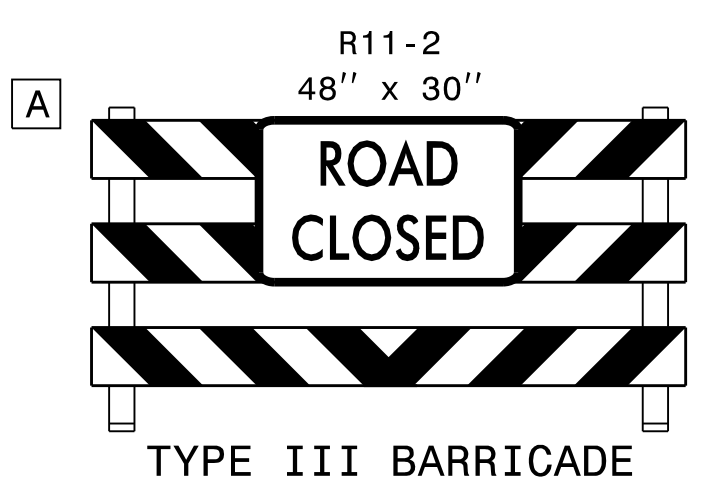
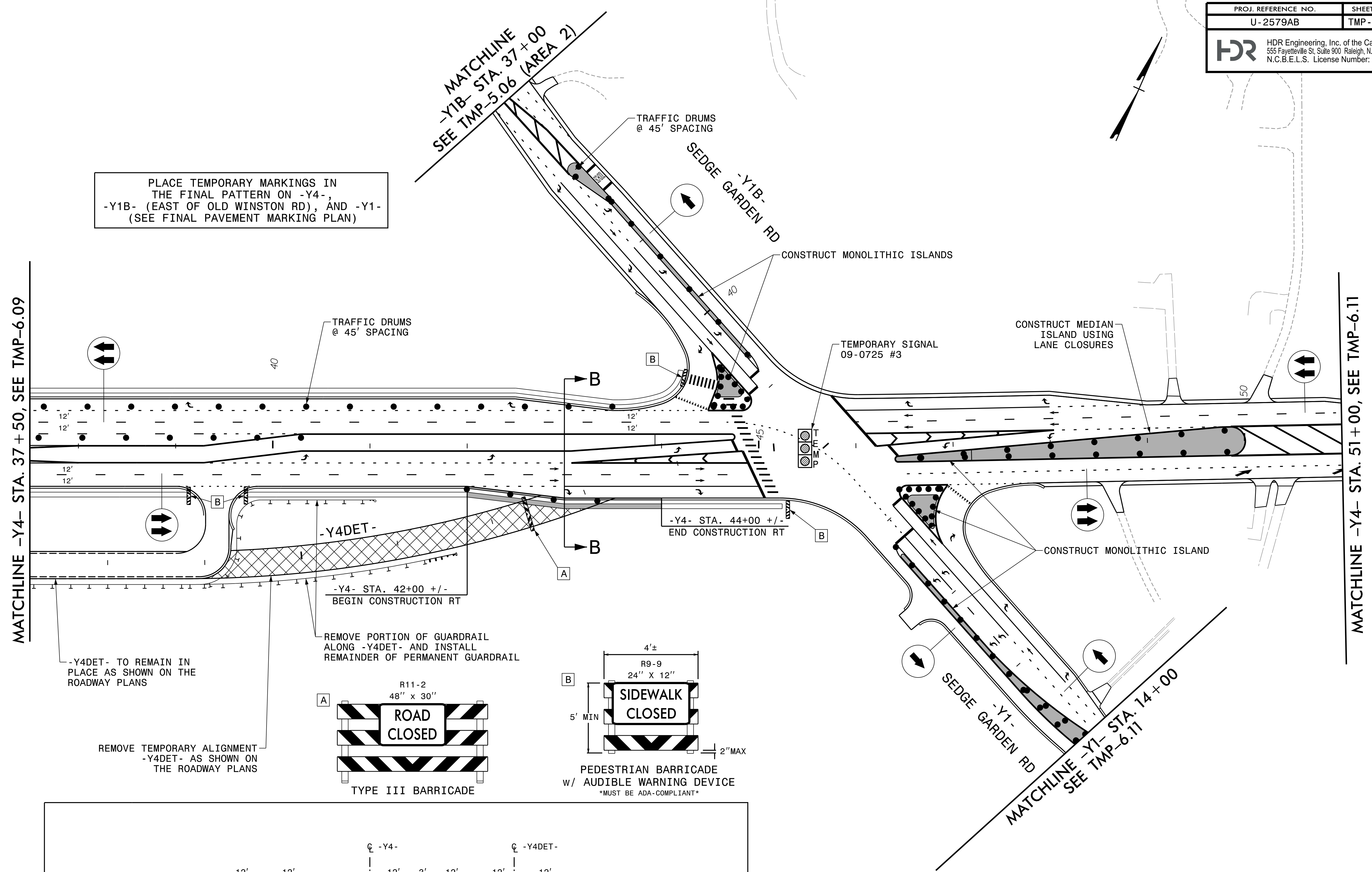
DOCUMENT NOT CONSIDERED FINAL
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AREA 3
PHASE 3

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REVISIONS



PLACE TEMPORARY MARKINGS IN THE FINAL PATTERN ON -Y4-, -Y1B- (EAST OF OLD WINSTON RD), AND -Y1- (SEE FINAL PAVEMENT MARKING PLAN)

REVISIONS

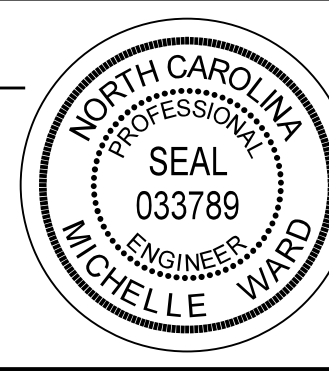
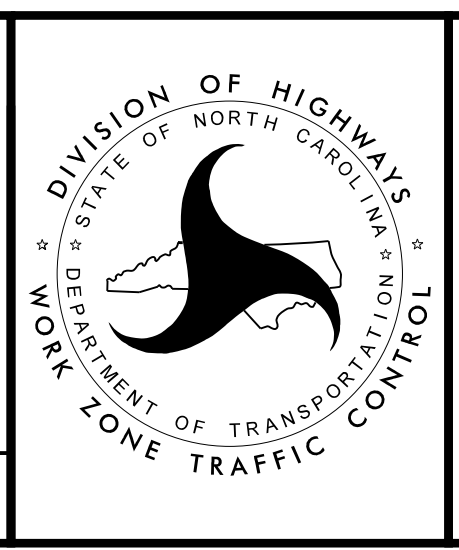
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 DATE: 7/13/2021

APPROVED: *Michelle Ward*

DATE: 10/13/2021

SEAL

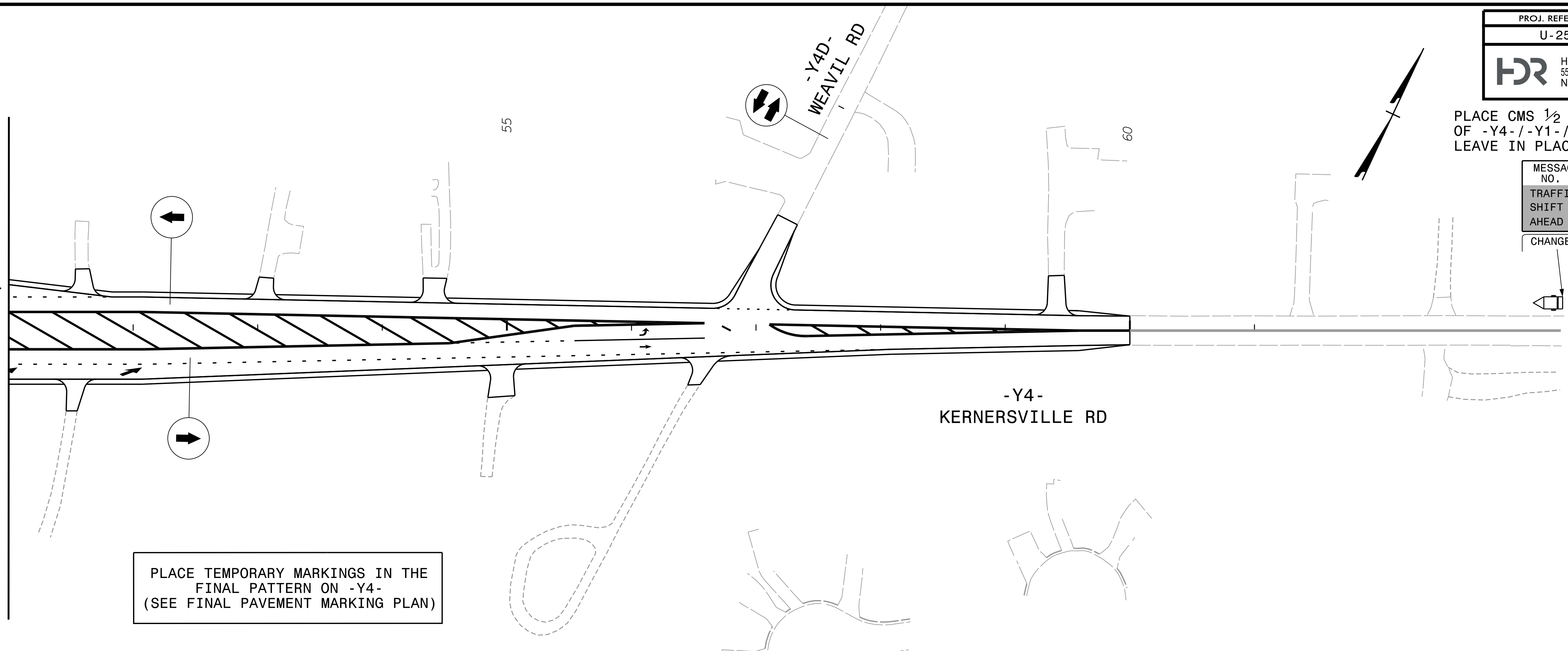
**AREA 3
PHASE 3**

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PLACE CMS 1/2 MILE IN ADVANCE OF -Y4- / -Y1- / -Y1B- INTERSECTION. LEAVE IN PLACE FOR 14 DAYS.

MESSAGE NO. 1	MESSAGE NO. 2
TRAFFIC SHIFT AHEAD	NEW TRAFFIC PATTERN
CHANGEABLE MESSAGE SIGN	

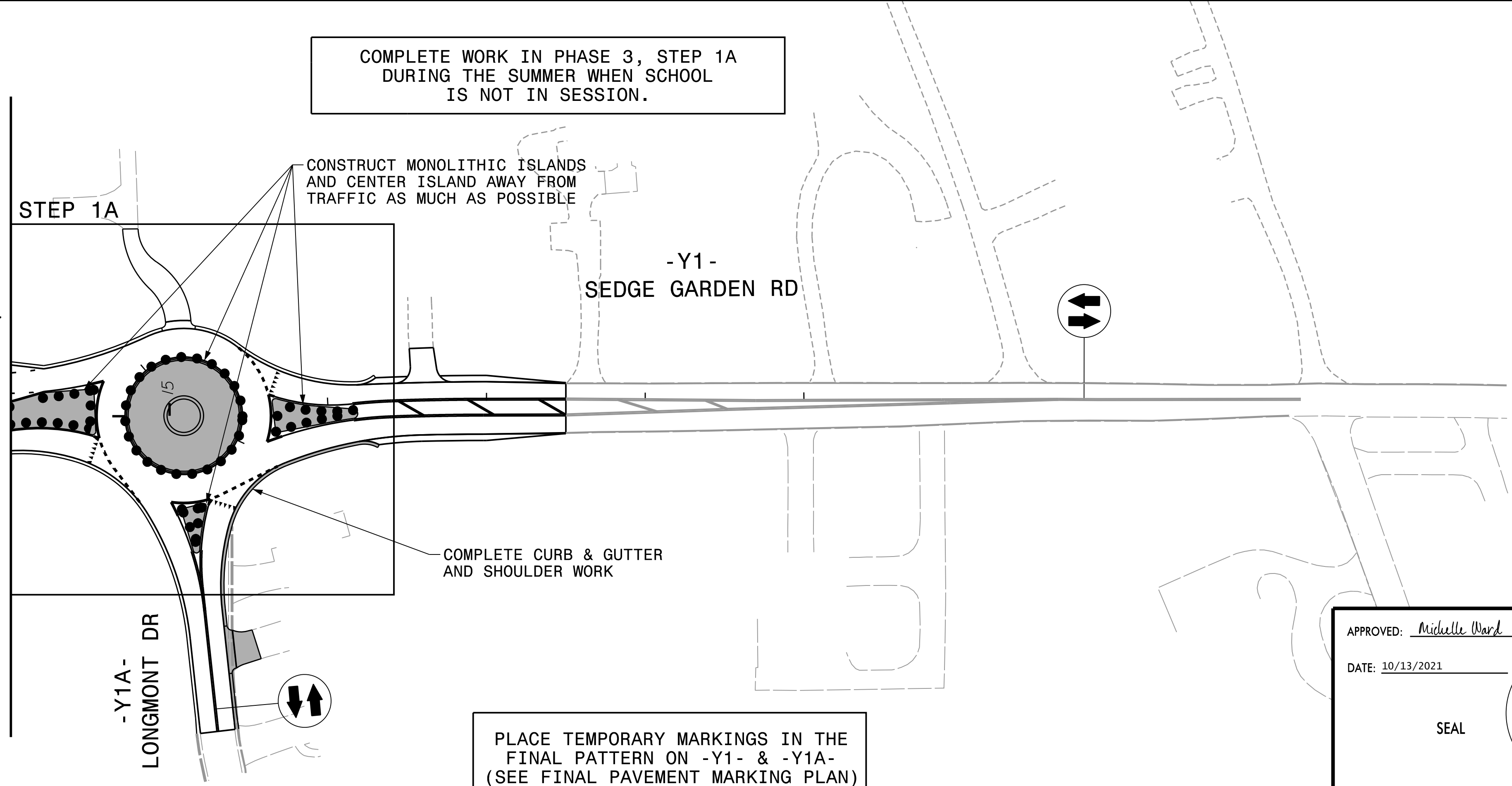
MATCHLINE -Y4- STA. 51+00, SEE TMP-6.10



PLACE TEMPORARY MARKINGS IN THE FINAL PATTERN ON -Y4- (SEE FINAL PAVEMENT MARKING PLAN)

COMPLETE WORK IN PHASE 3, STEP 1A DURING THE SUMMER WHEN SCHOOL IS NOT IN SESSION.

MATCHLINE -Y1- STA. 14+00, SEE TMP-6.10



CONSTRUCT MONOLITHIC ISLANDS AND CENTER ISLAND AWAY FROM TRAFFIC AS MUCH AS POSSIBLE

COMPLETE CURB & GUTTER AND SHOULDER WORK

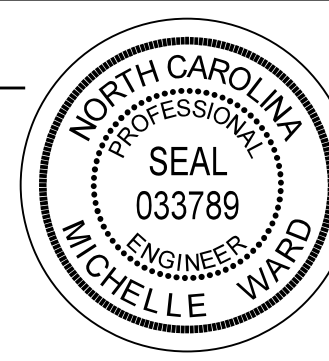
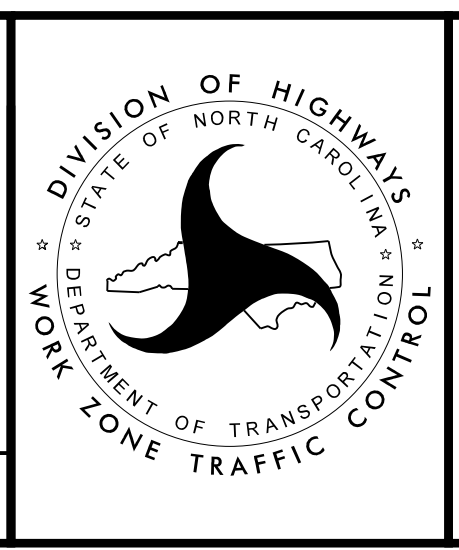
PLACE TEMPORARY MARKINGS IN THE FINAL PATTERN ON -Y1- & -Y1A- (SEE FINAL PAVEMENT MARKING PLAN)

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 USER: CHARNDEN
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 REVISIONS

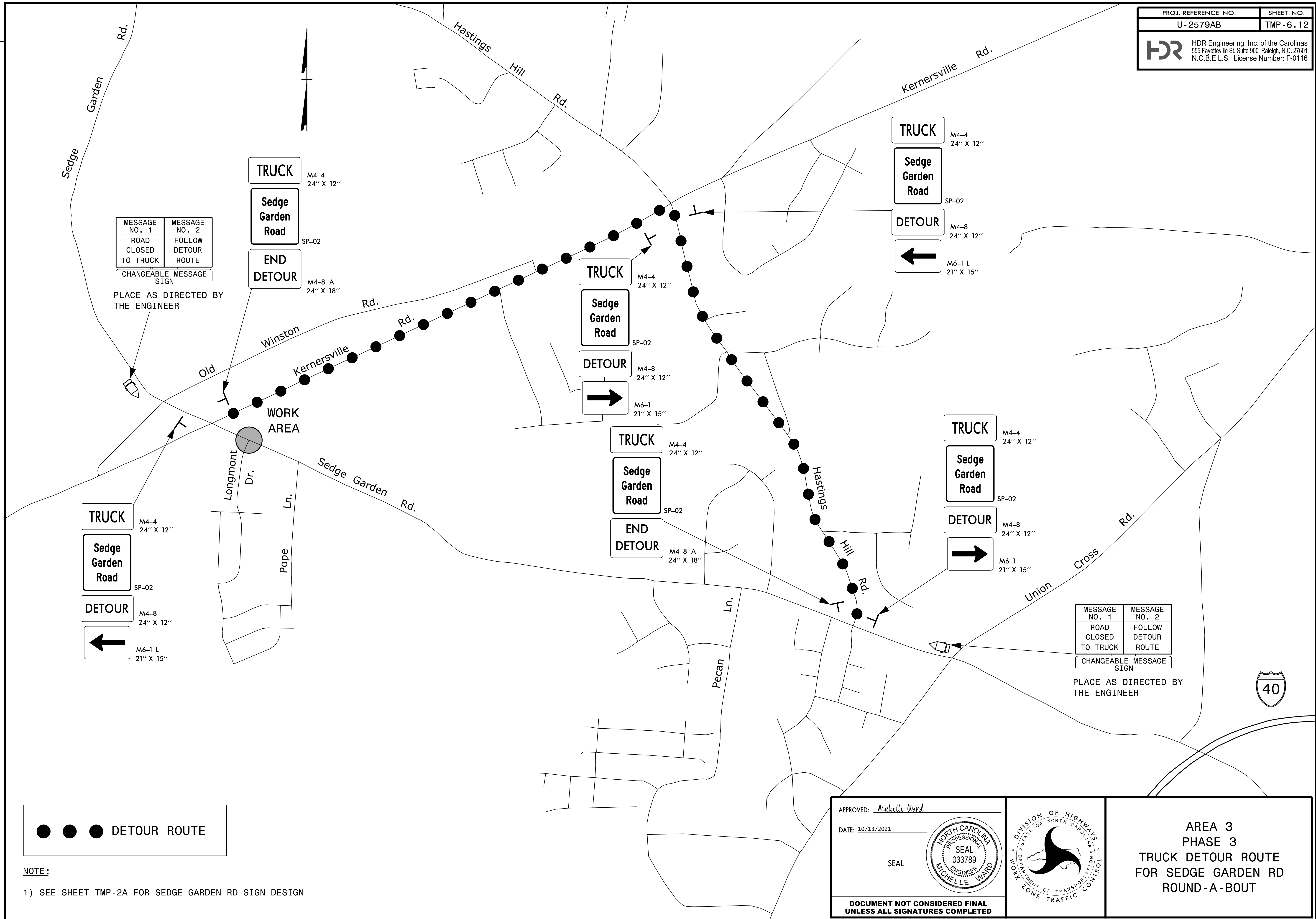
APPROVED: *Michelle Ward*

DATE: 10/13/2021

SEAL

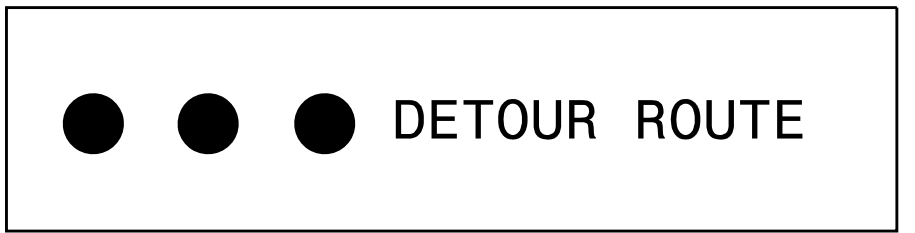



AREA 3
PHASE 3



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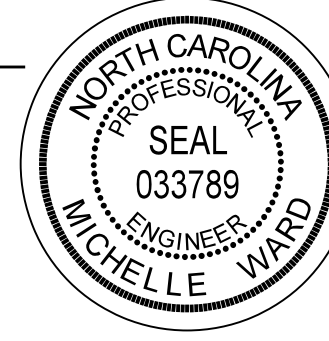
REVISIONS



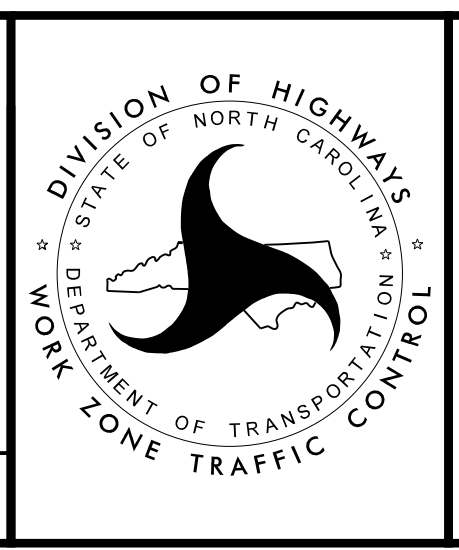
NOTE:
 1) SEE SHEET TMP-2A FOR SEDGE GARDEN RD SIGN DESIGN

APPROVED: *Michelle Ward*
 DATE: 10/13/2021


SEAL

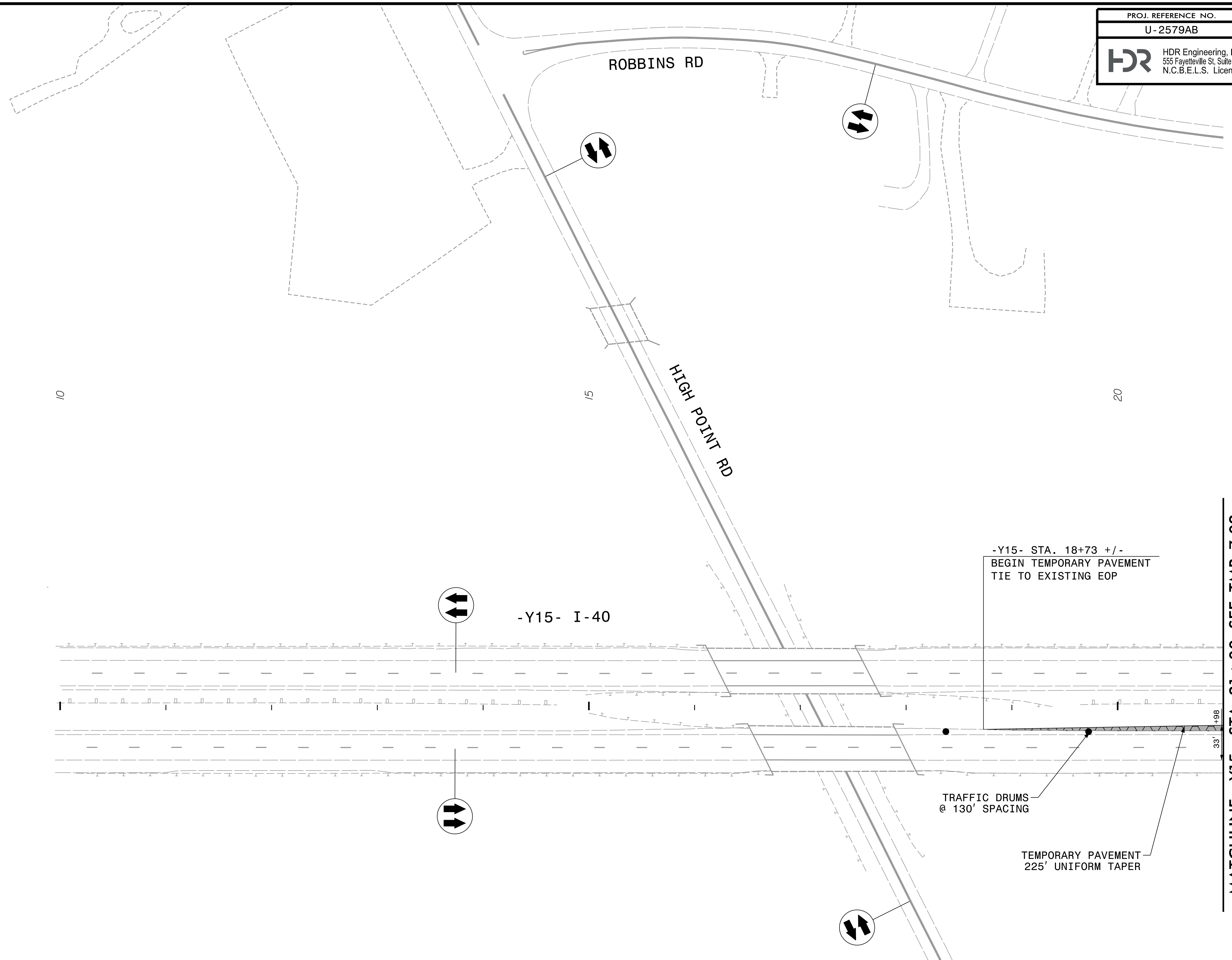
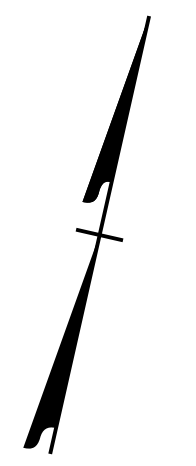


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AREA 3
 PHASE 3
 TRUCK DETOUR ROUTE
 FOR SEDGE GARDEN RD
 ROUND-A-BOUT

PROJ. REFERENCE NO.	SHEET NO.
U-2579AB	TMP-7.01
 HDR Engineering, Inc. of the Carolinas 555 Fayetteville St, Suite 900 Raleigh, N.C. 27601 N.C.B.E.L.S. License Number: F-0116	



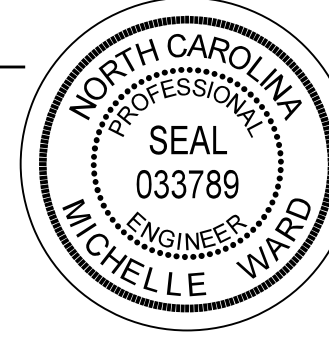
REVISIONS

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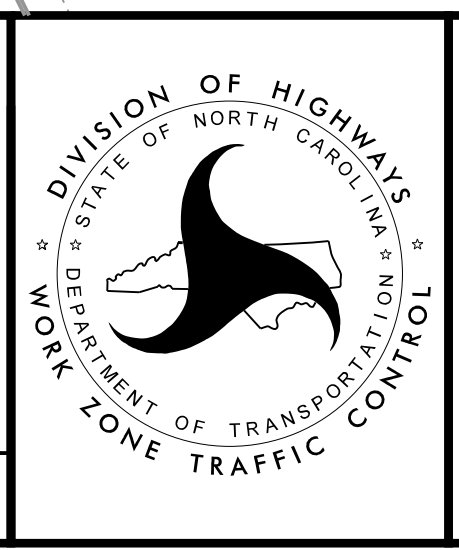
APPROVED: *Michelle Ward*

DATE: 10/13/2021

SEAL




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UNLESS ALL SIGNATURES COMPLETED**



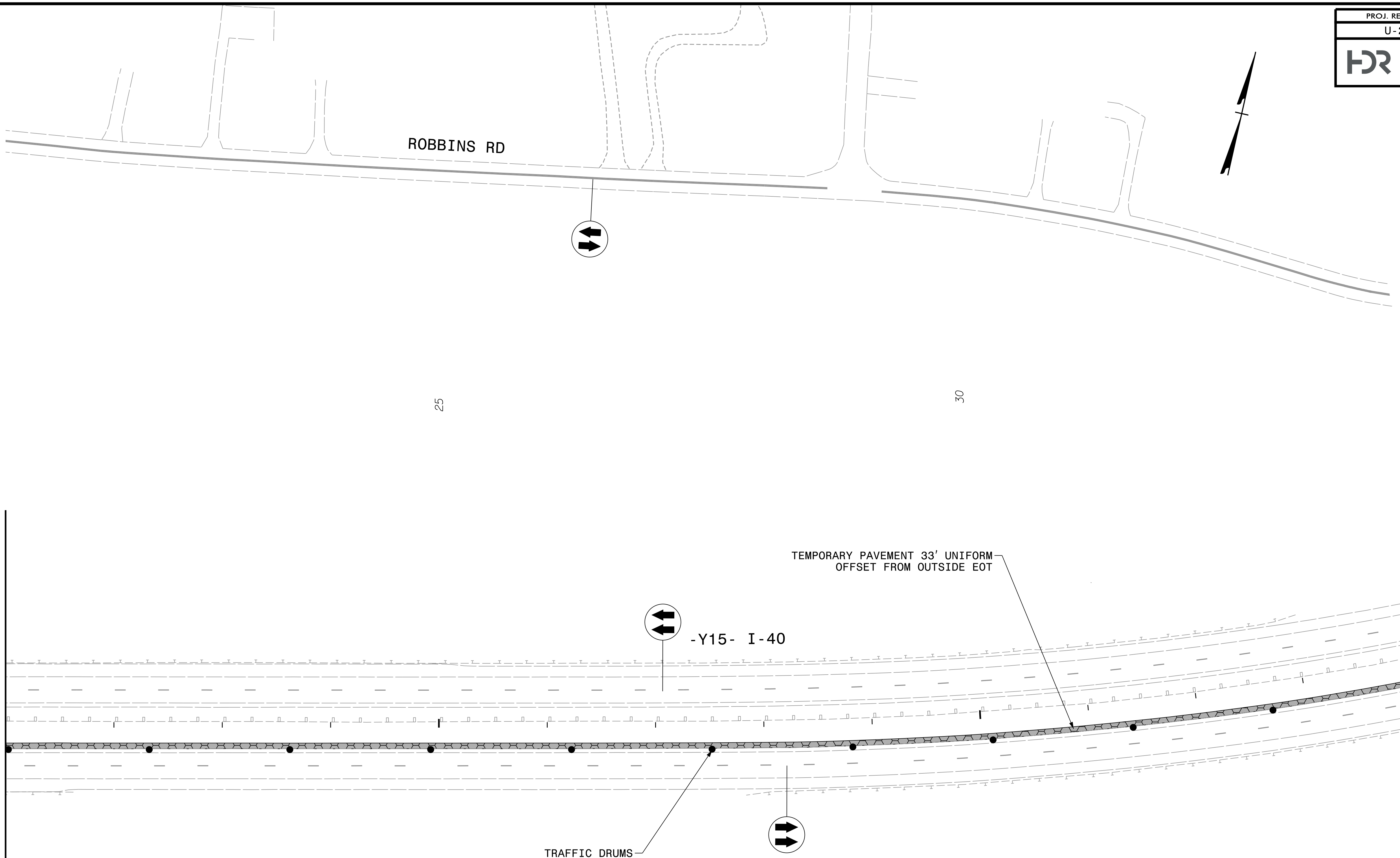
AREA 4
 PHASE 1 STEP 1

MATCHLINE -Y15- STA. 21+00, SEE TMP-7.02

PROJ. REFERENCE NO.	SHEET NO.
U-2579AB	TMP-7.02
 HDR Engineering, Inc. of the Carolinas 555 Fayetteville St, Suite 900 Raleigh, N.C. 27601 N.C.B.E.L.S. License Number: F-0116	

MATCHLINE -Y15- STA. 21+00, SEE TMP-7.01

MATCHLINE -Y15- STA. 34+50, SEE TMP-7.03



REVISIONS

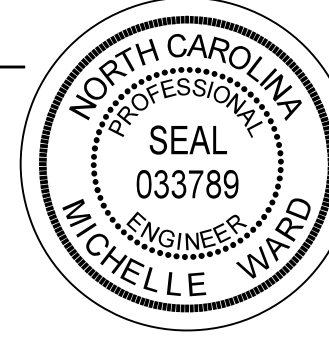
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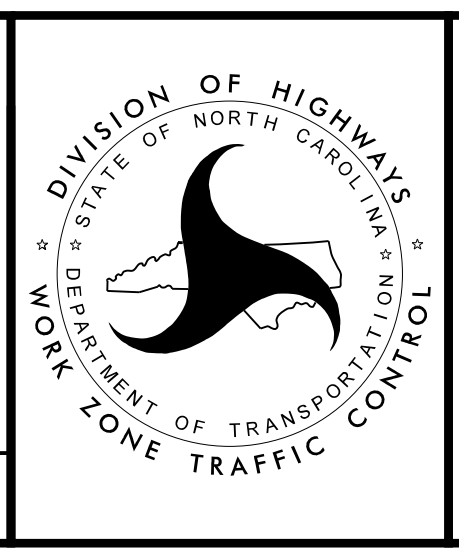
APPROVED: *Michelle Ward*

DATE: 10/13/2021


SEAL

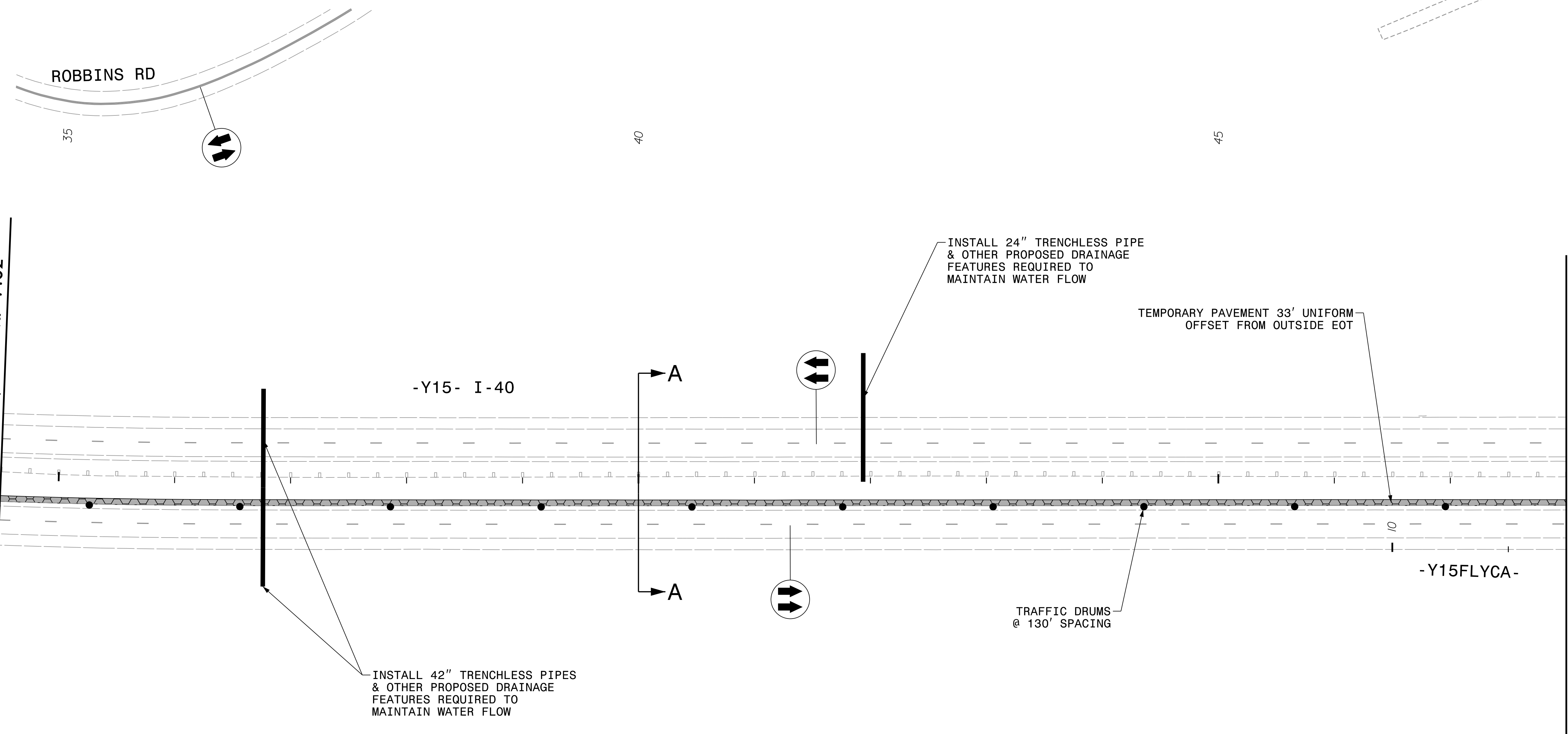
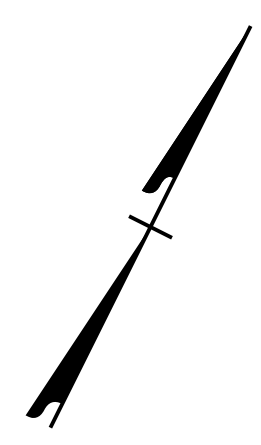


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AREA 4
 PHASE 1 STEP 1

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MATCHLINE -Y15- STA. 34 + 50, SEE TMP-7.02

MATCHLINE -Y15- STA. 48 + 00, SEE TMP-7.04

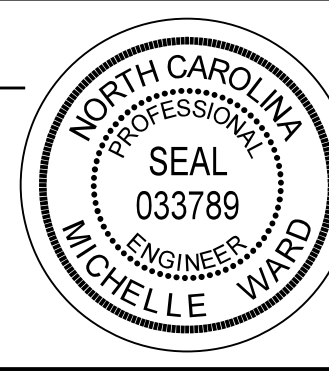
REVISIONS

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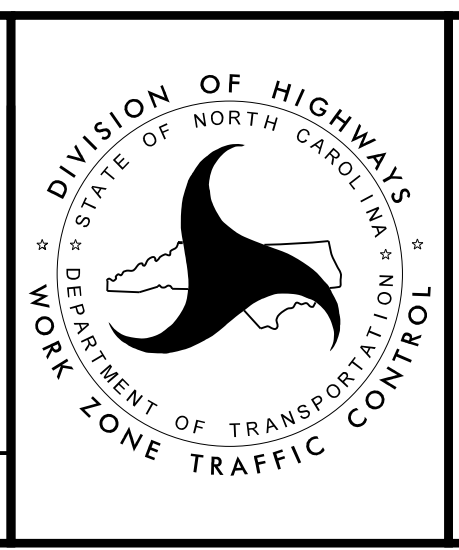
NOTES:
 1. SEE TMP-7.79 FOR CUT SECTION A-A

APPROVED: *Michelle Ward*
 DATE: 10/13/2021


SEAL

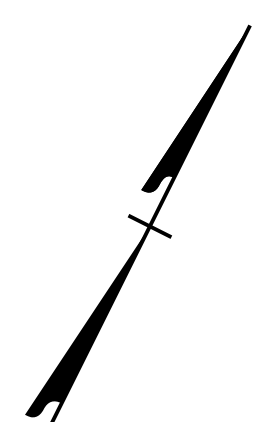


**DOCUMENT NOT CONSIDERED FINAL
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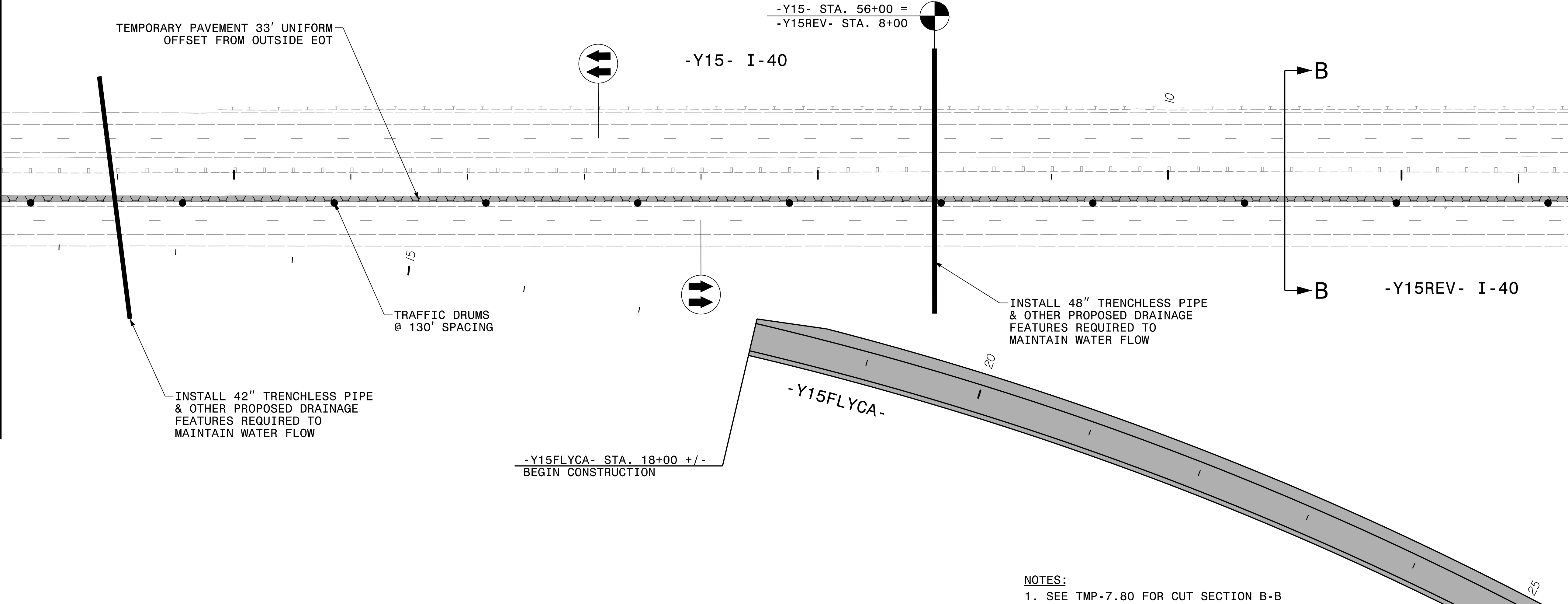
AREA 4
 PHASE 1 STEP 1

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 HDR Engineering, Inc. of the Carolinas 555 Fayetteville St, Suite 900 Raleigh, N.C. 27601 N.C.B.E.L.S. License Number: F-0116	



MATCHLINE -Y15- STA. 48 + 00, SEE TMP-7.03

MATCHLINE -Y15REV- STA. 13 + 50, SEE TMP-7.05



REVISIONS

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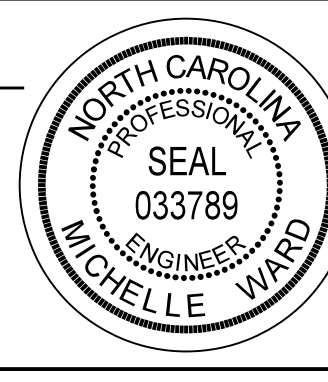
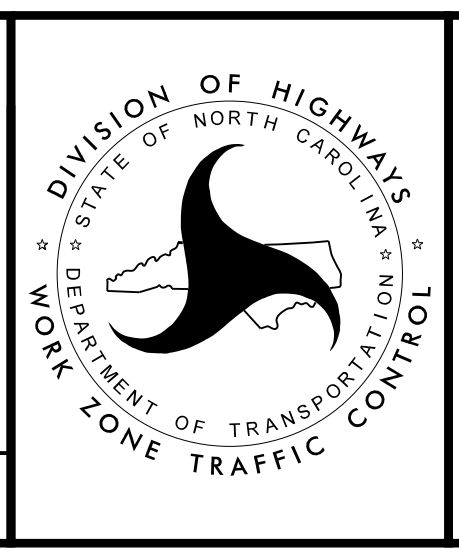
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NOTES:
 1. SEE TMP-7.80 FOR CUT SECTION B-B

APPROVED: *Michelle Ward*

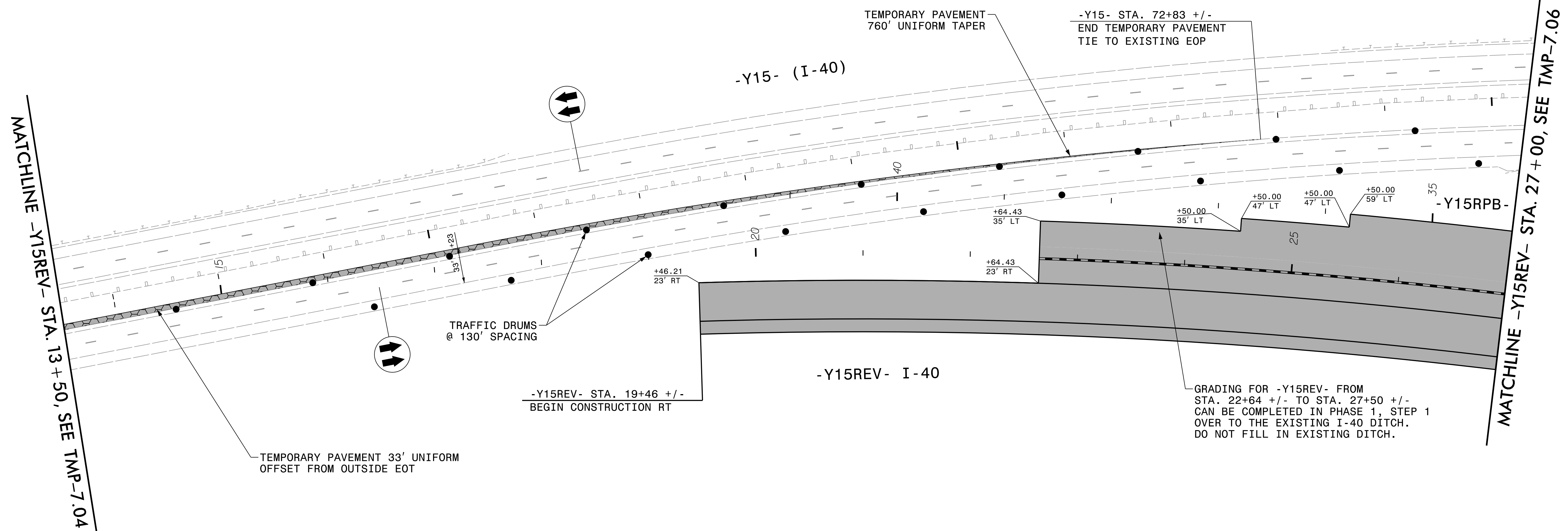
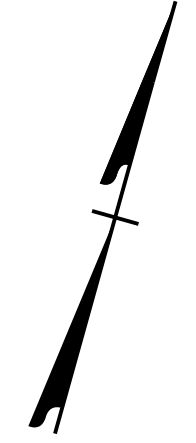
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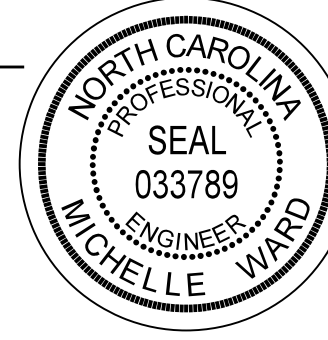
AREA 4
 PHASE 1 STEP 1

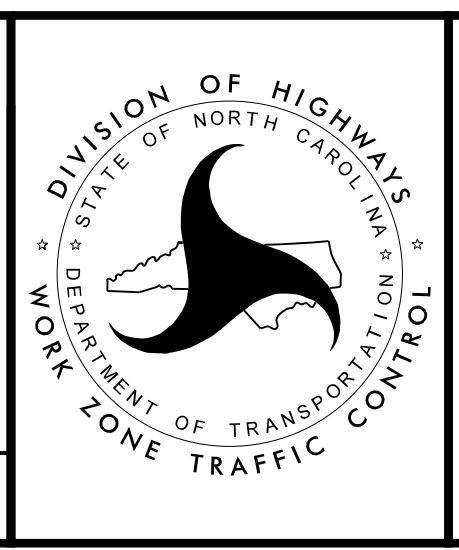
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 UNLESS ALL SIGNATURES COMPLETED




REVISIONS

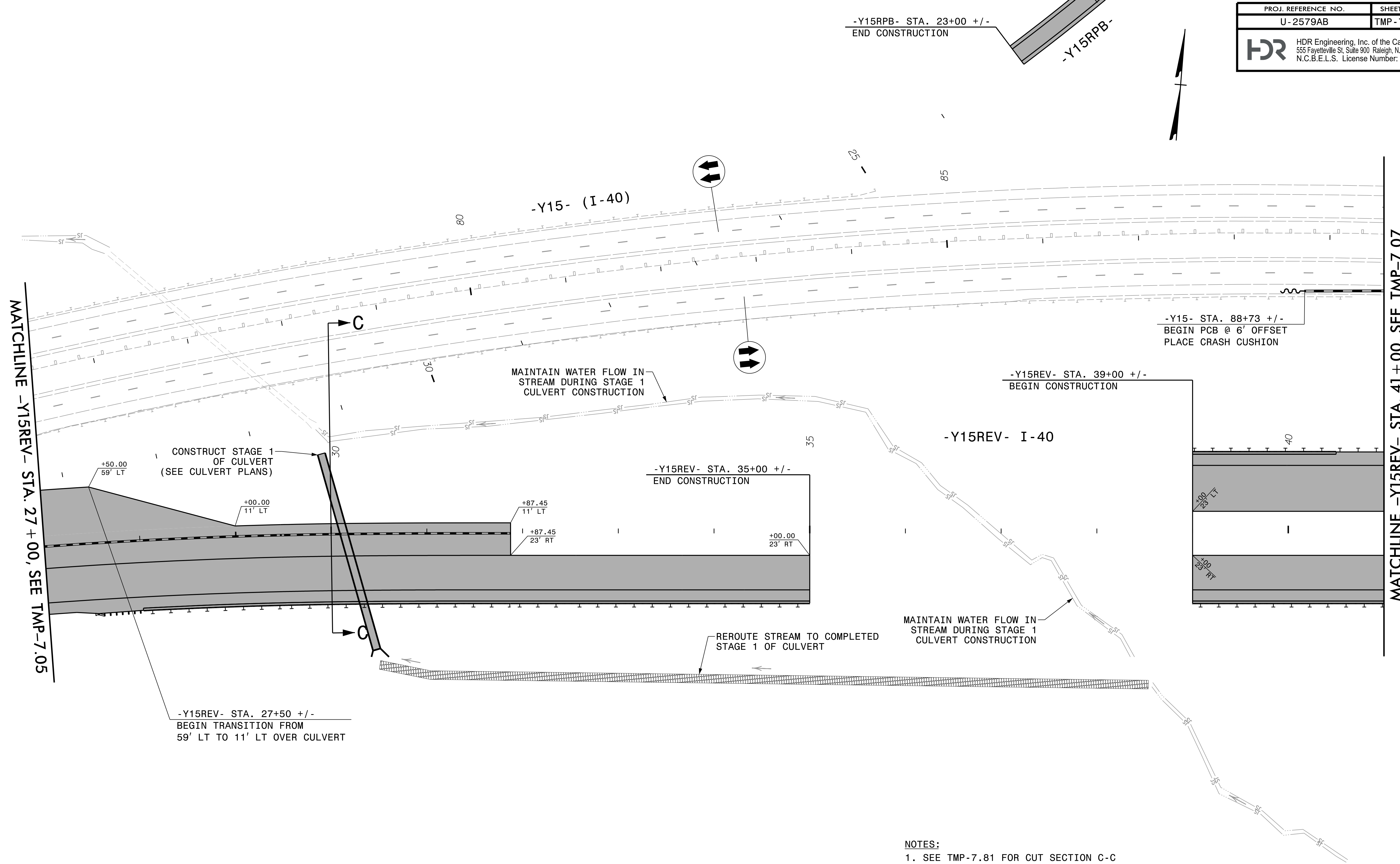
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APPROVED: *Michelle Ward*
 DATE: 10/13/2021
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AREA 4
 PHASE 1 STEP 1

PROJ. REFERENCE NO.	SHEET NO.
U-2579AB	TMP-7.06
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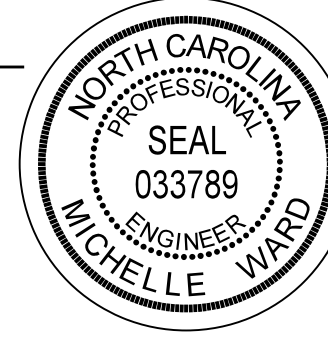
REVISIONS

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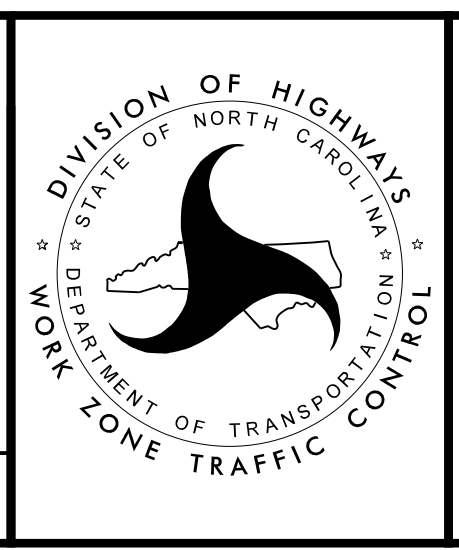
NOTES:
 1. SEE TMP-7.81 FOR CUT SECTION C-C

APPROVED: *Michelle Ward*
 DATE: 10/13/2021


SEAL

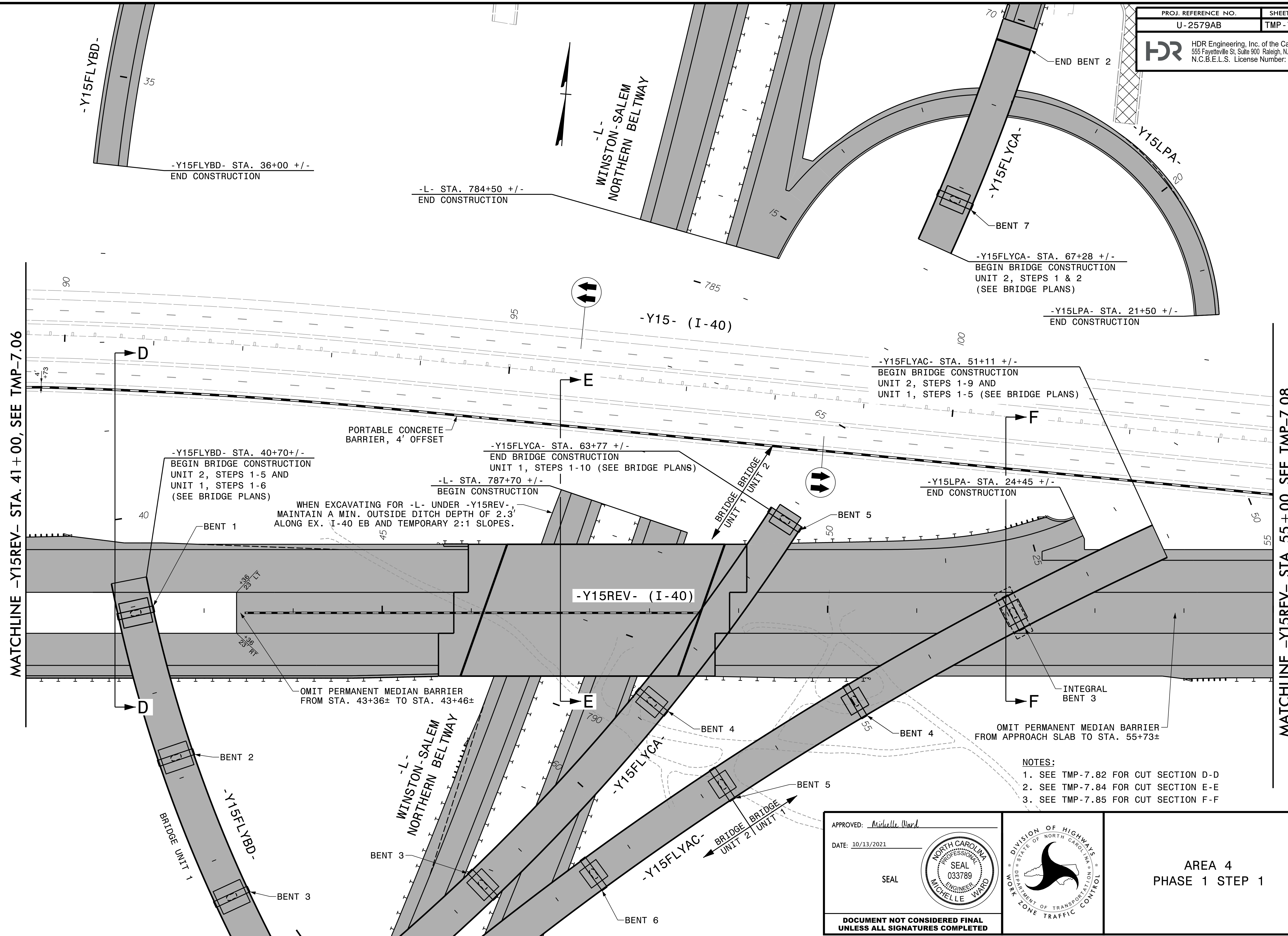


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AREA 4
 PHASE 1 STEP 1

PROJ. REFERENCE NO.	SHEET NO.
U-2579AB	TMP-7.07
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MATCHLINE -Y15REV- STA. 41+00, SEE TMP-7.06

MATCHLINE -Y15REV- STA. 55+00, SEE TMP-7.08

-Y15FLYBD- STA. 40+70 +/-
 BEGIN BRIDGE CONSTRUCTION
 UNIT 2, STEPS 1-5 AND
 UNIT 1, STEPS 1-6
 (SEE BRIDGE PLANS)

-Y15FLYCA- STA. 63+77 +/-
 END BRIDGE CONSTRUCTION
 UNIT 1, STEPS 1-10 (SEE BRIDGE PLANS)

-Y15FLYAC- STA. 51+11 +/-
 BEGIN BRIDGE CONSTRUCTION
 UNIT 2, STEPS 1-9 AND
 UNIT 1, STEPS 1-5 (SEE BRIDGE PLANS)

WHEN EXCAVATING FOR -L- UNDER -Y15REV-,
 MAINTAIN A MIN. OUTSIDE DITCH DEPTH OF 2.3'
 ALONG EX. I-40 EB AND TEMPORARY 2:1 SLOPES.

OMIT PERMANENT MEDIAN BARRIER
 FROM STA. 43+36± TO STA. 43+46±

OMIT PERMANENT MEDIAN BARRIER
 FROM APPROACH SLAB TO STA. 55+73±

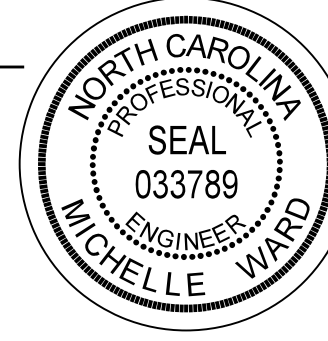
- NOTES:
1. SEE TMP-7.82 FOR CUT SECTION D-D
 2. SEE TMP-7.84 FOR CUT SECTION E-E
 3. SEE TMP-7.85 FOR CUT SECTION F-F

PLOT DRIVER: NCDOT_pdf_color_eng_50.plt
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 REVISIONS

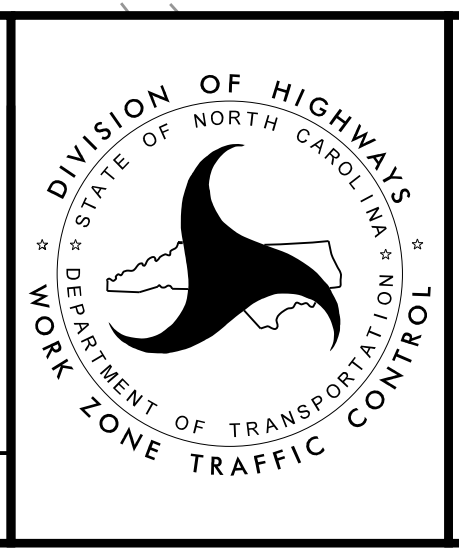
APPROVED: *Michelle Ward*

DATE: 10/13/2021


SEAL

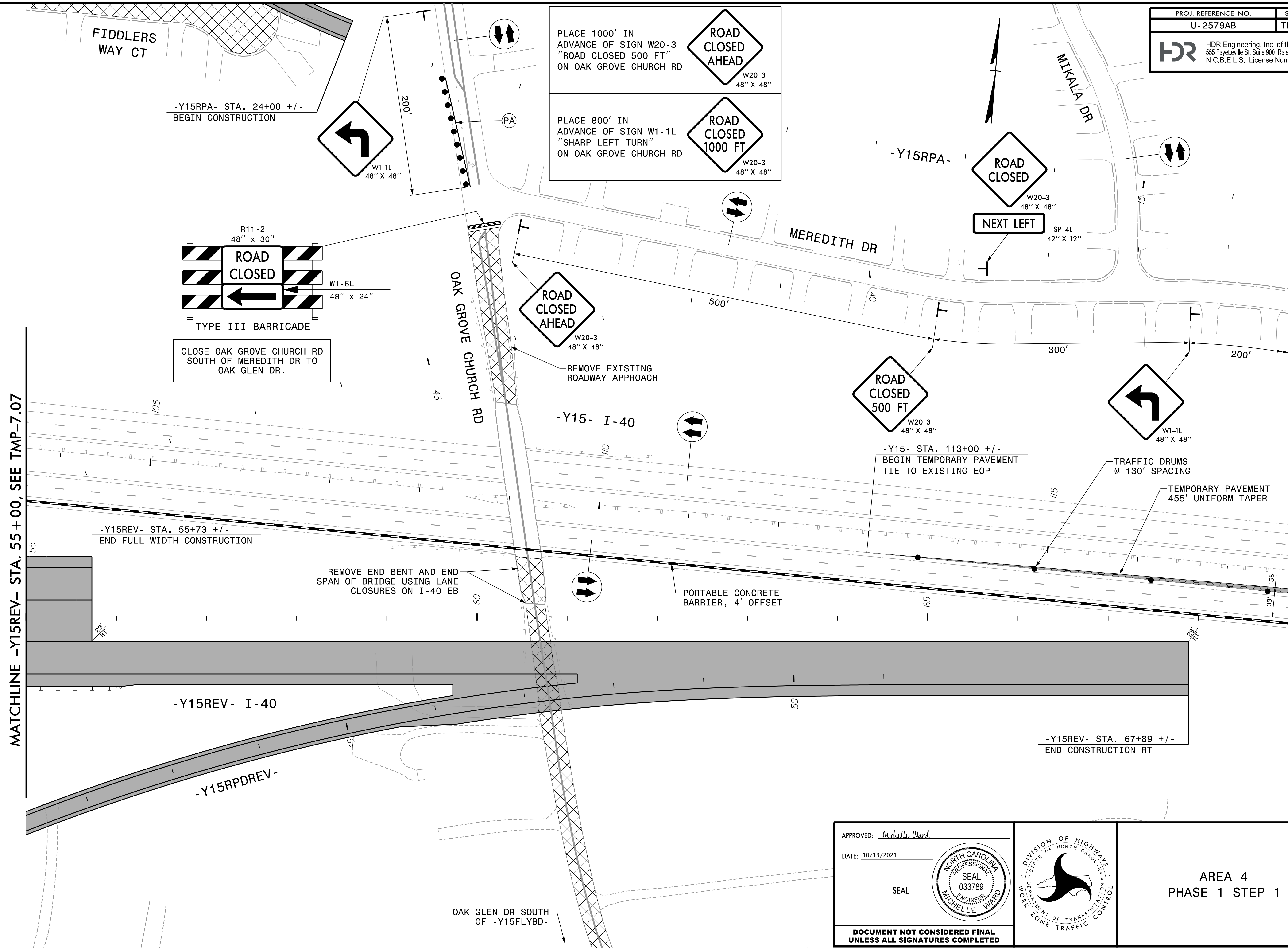


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AREA 4
 PHASE 1 STEP 1

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 HDR Engineering, Inc. of the Carolinas 555 Fayetteville St, Suite 900 Raleigh, N.C. 27601 N.C.B.E.L.S. License Number: F-0116	

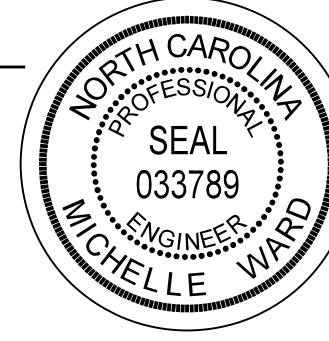
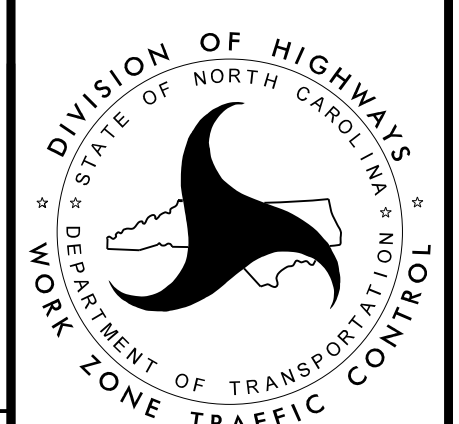


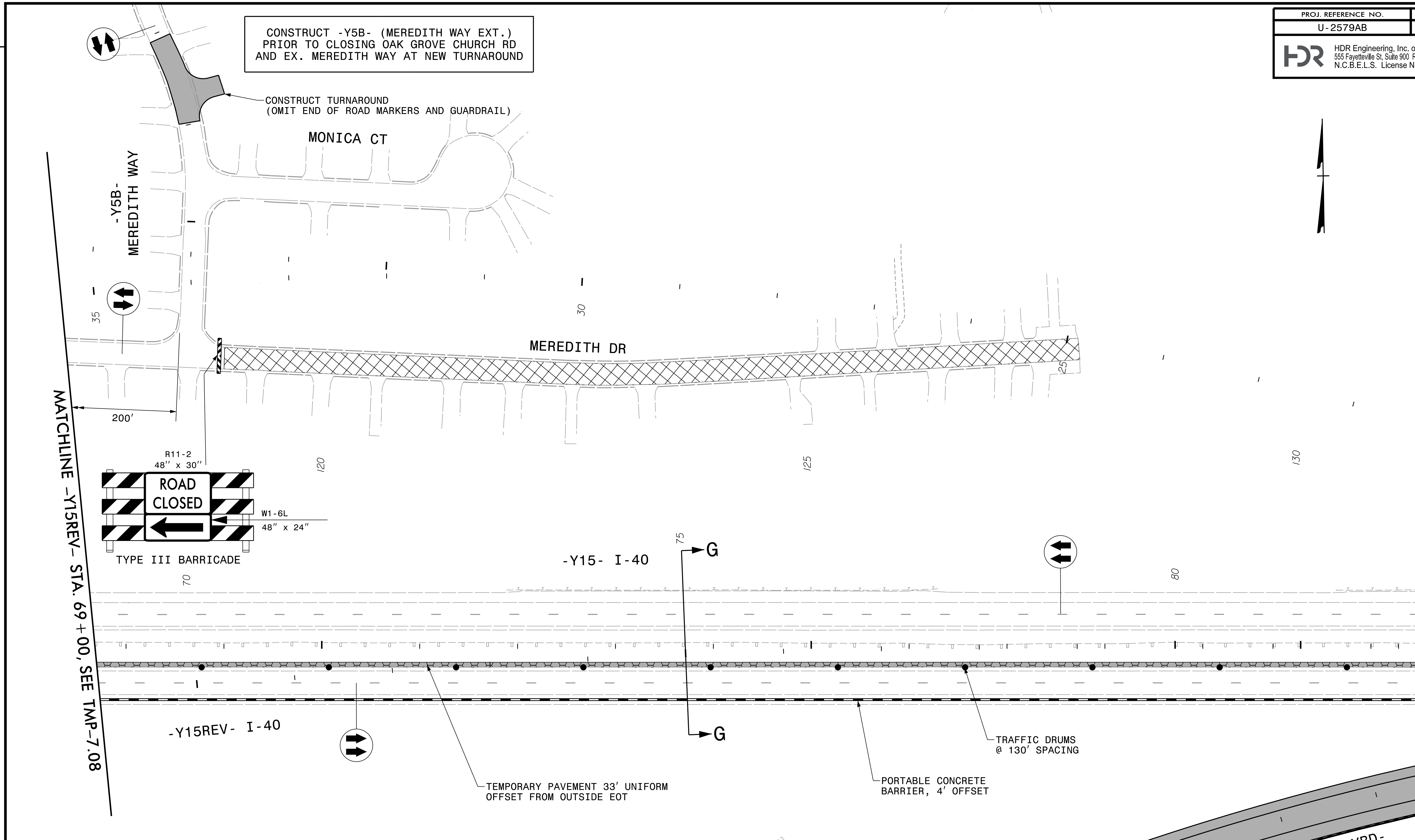
MATCHLINE -Y15REV- STA. 55+00, SEE TMP-7.07

MATCHLINE -Y15REV- STA. 69+00, SEE TMP-7.09

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REVISIONS

APPROVED: <i>Michelle Ward</i> DATE: 10/13/2021 SEAL 		AREA 4 PHASE 1 STEP 1
DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED		



REVISIONS

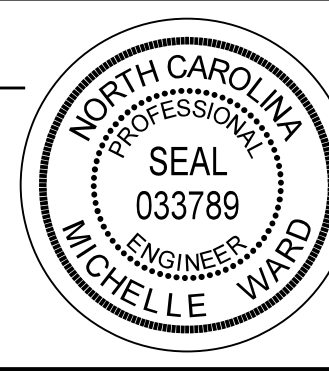
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NOTES:
 1. SEE TMP-7.88 FOR CUT SECTION G-G

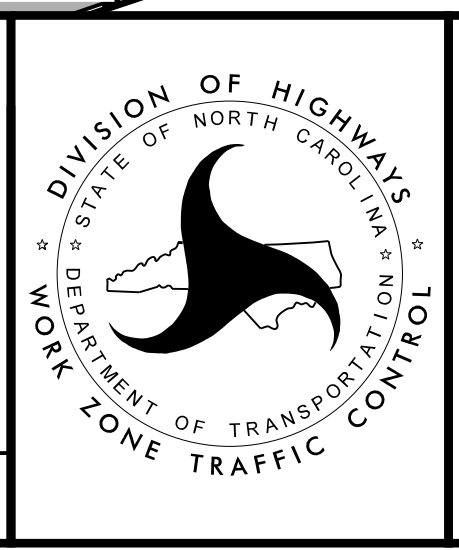
APPROVED: *Michelle Ward*

DATE: 10/13/2021

SEAL



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AREA 4
 PHASE 1 STEP 1

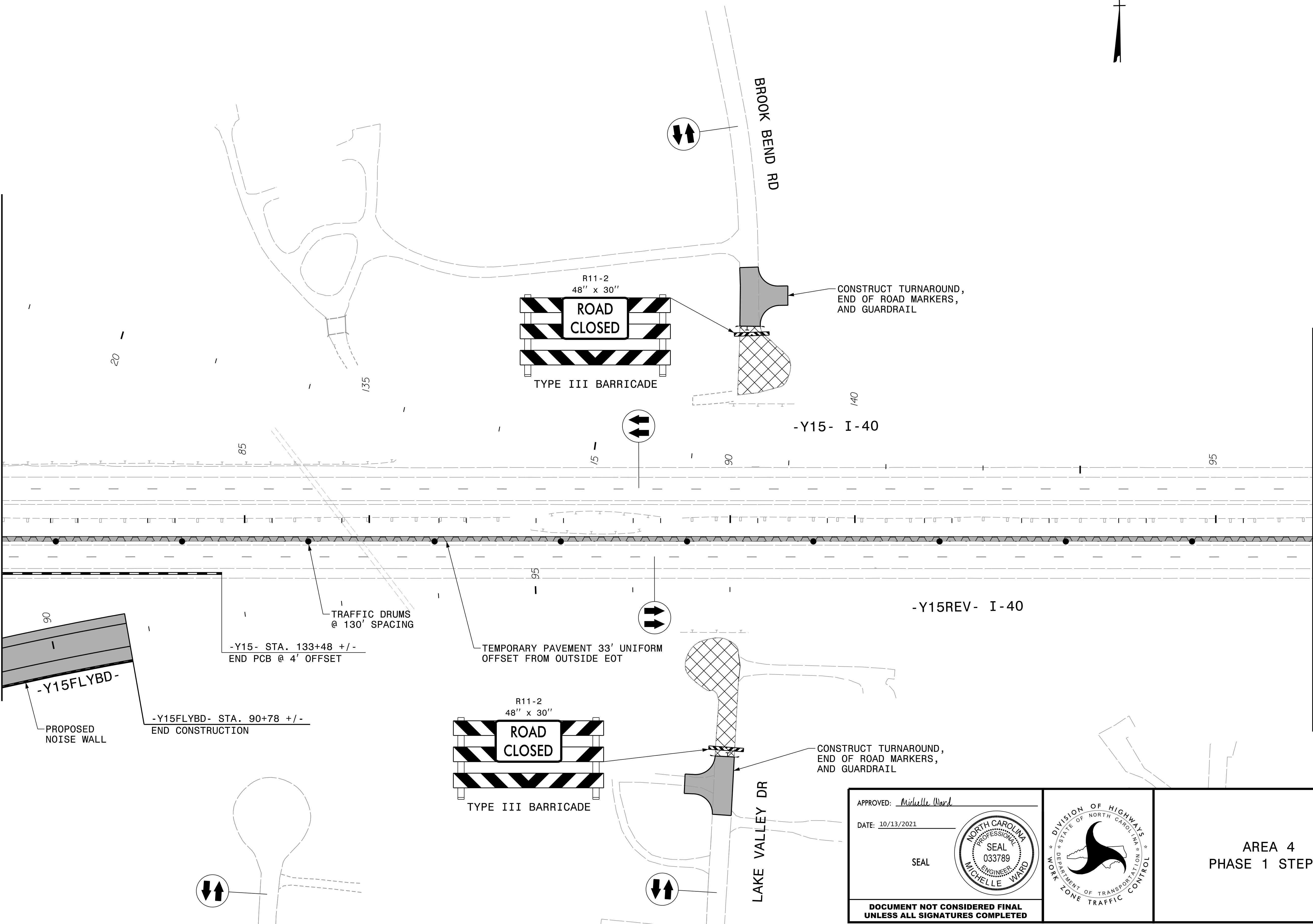


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REVISIONS

MATCHLINE -Y15REV- STA. 82+50, SEE TMP-7.09

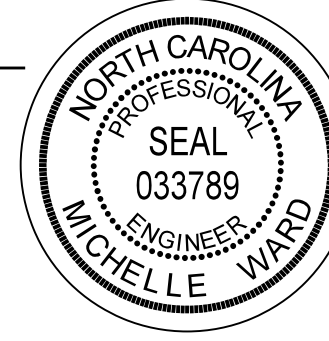
MATCHLINE -Y15REV- STA. 96+00, SEE TMP-7.11



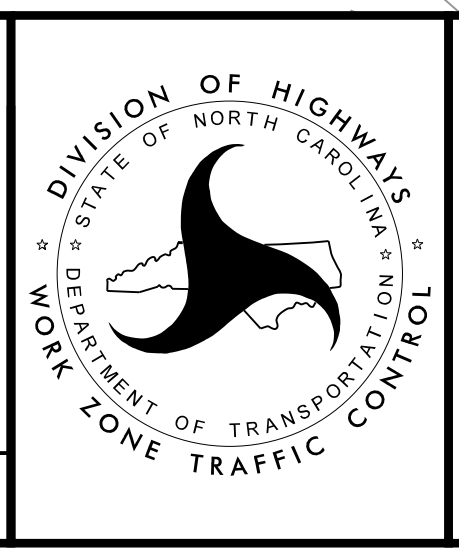
APPROVED: *Michelle Ward*

DATE: 10/13/2021


SEAL

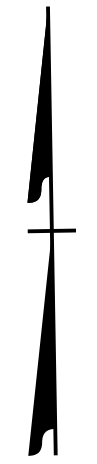


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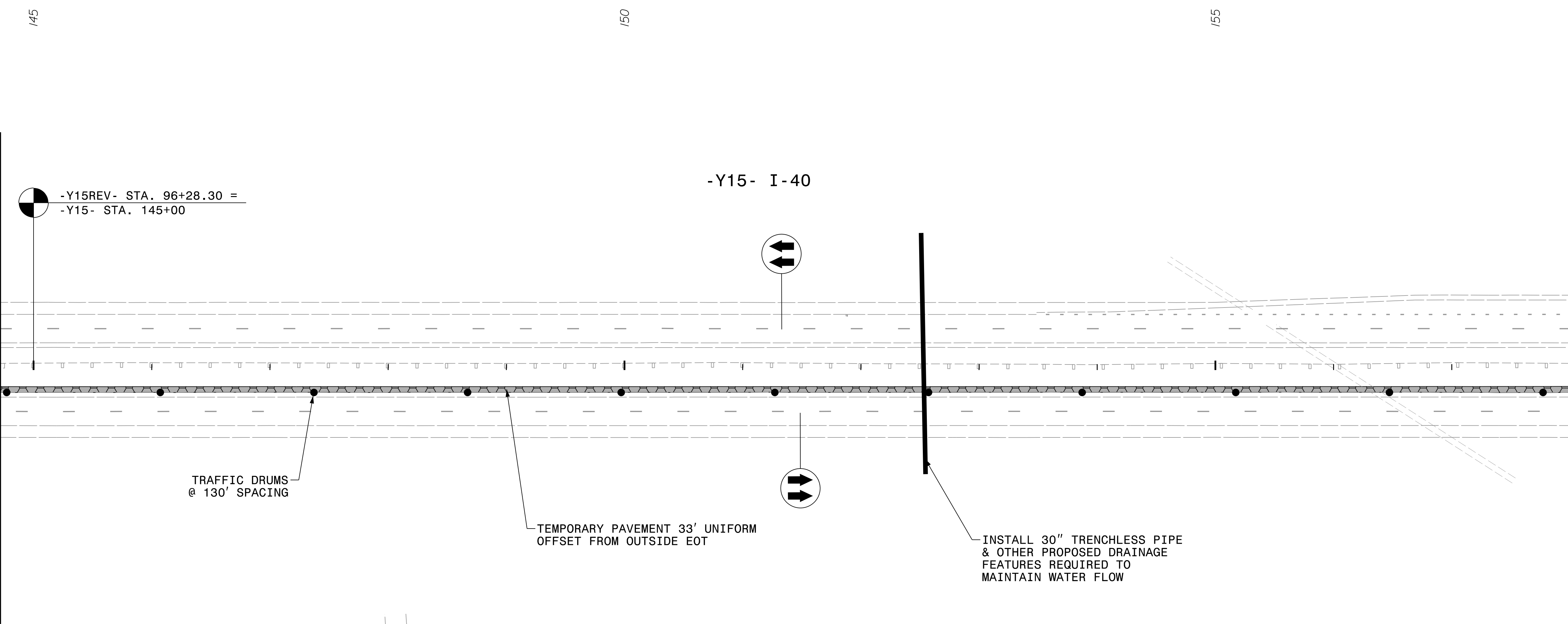
AREA 4
PHASE 1 STEP 1

PROJ. REFERENCE NO.	SHEET NO.
U-2579AB	TMP-7.11
 HDR Engineering, Inc. of the Carolinas 555 Fayetteville St, Suite 900 Raleigh, N.C. 27601 N.C.B.E.L.S. License Number: F-0116	



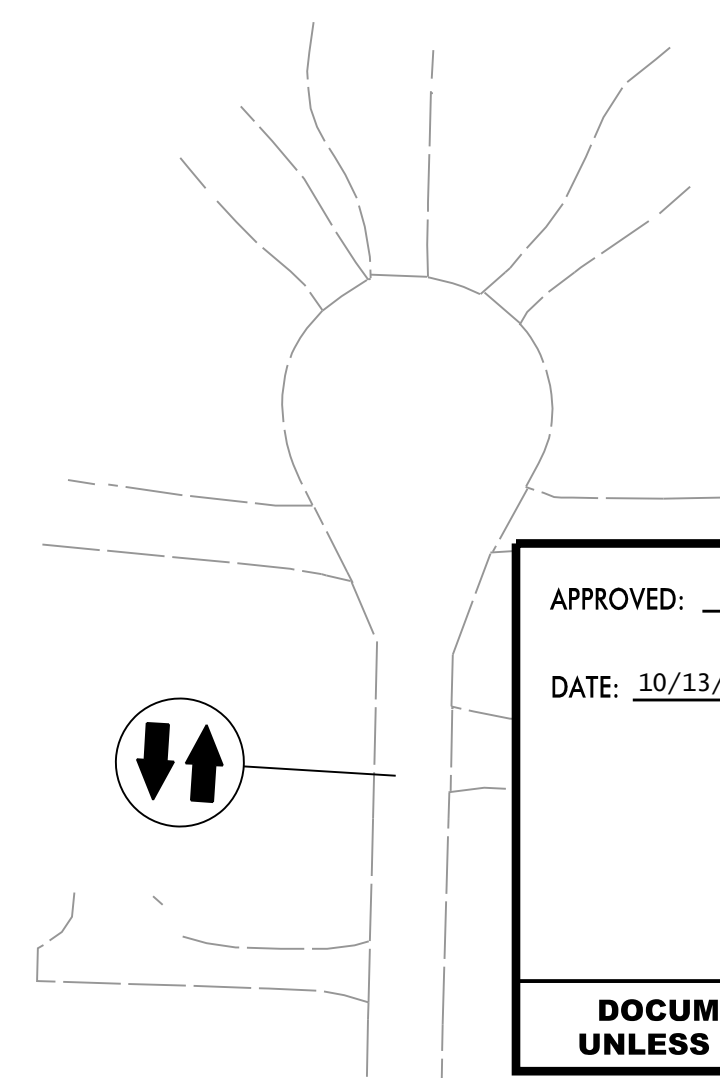
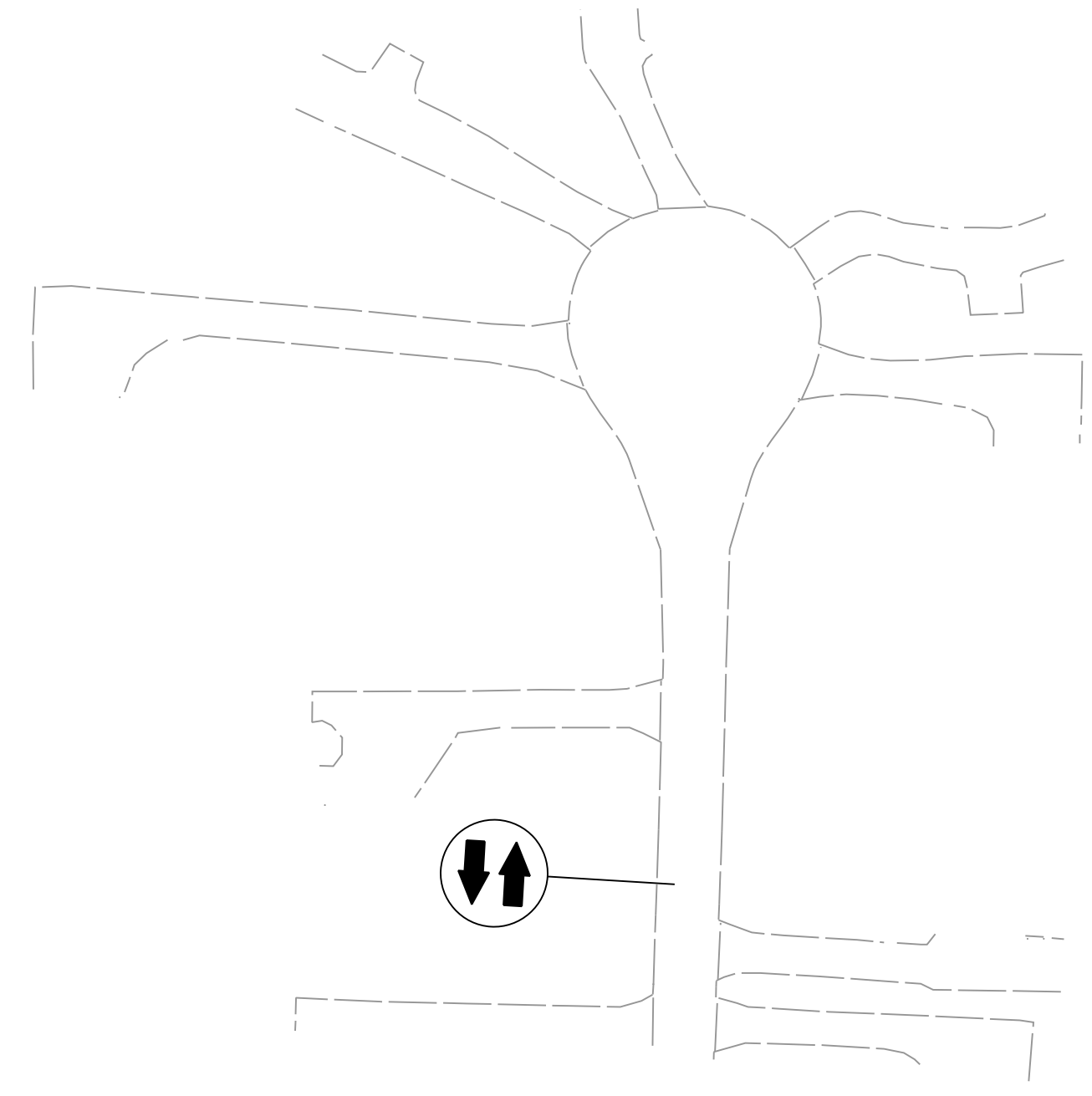
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MATCHLINE -Y15- STA. 158 + 00, SEE TMP-7.12



REVISIONS

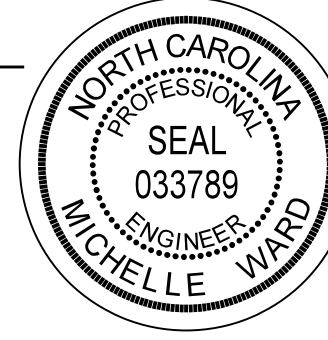
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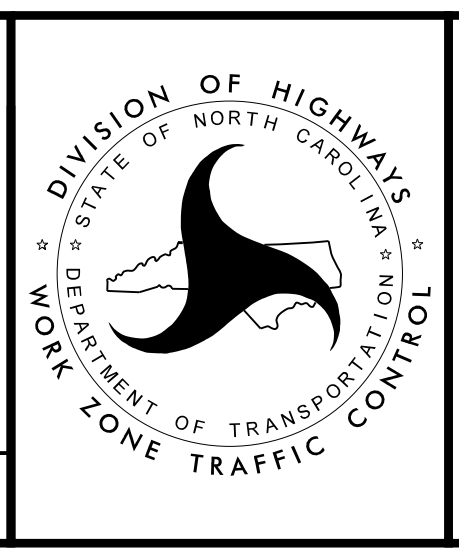
APPROVED: *Michelle Ward*

DATE: 10/13/2021


SEAL



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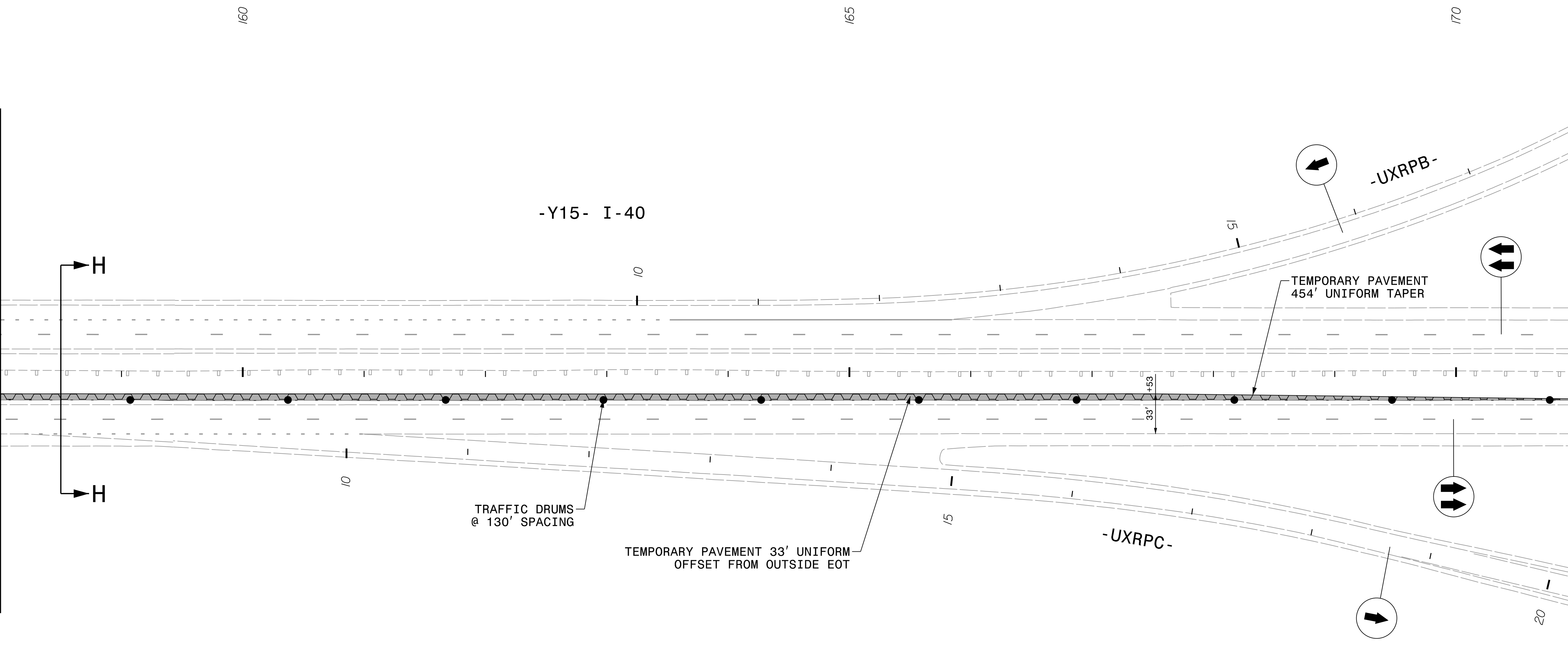
AREA 4
 PHASE 1 STEP 1

PROJ. REFERENCE NO.	SHEET NO.
U-2579AB	TMP-7.12
 HDR Engineering, Inc. of the Carolinas 555 Fayetteville St, Suite 900 Raleigh, N.C. 27601 N.C.B.E.L.S. License Number: F-0116	



MATCHLINE -Y15- STA. 158 + 00, SEE TMP-7.11

MATCHLINE -Y15- STA. 171 + 00, SEE TMP-7.13



REVISIONS

PLOT DRIVER: NCDOT_color_eng_50.plt
 USER: CHARNDEN
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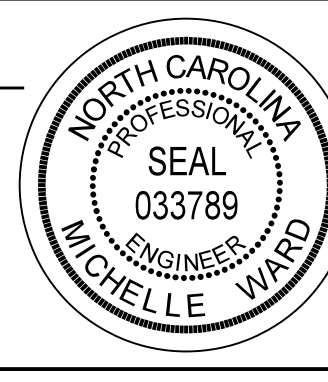
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NOTES:
 1. SEE TMP-7.89 FOR CUT SECTION H-H

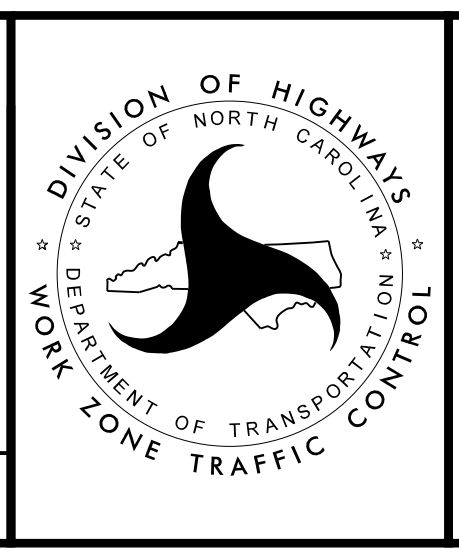
APPROVED: *Michelle Ward*

DATE: 10/13/2021


SEAL

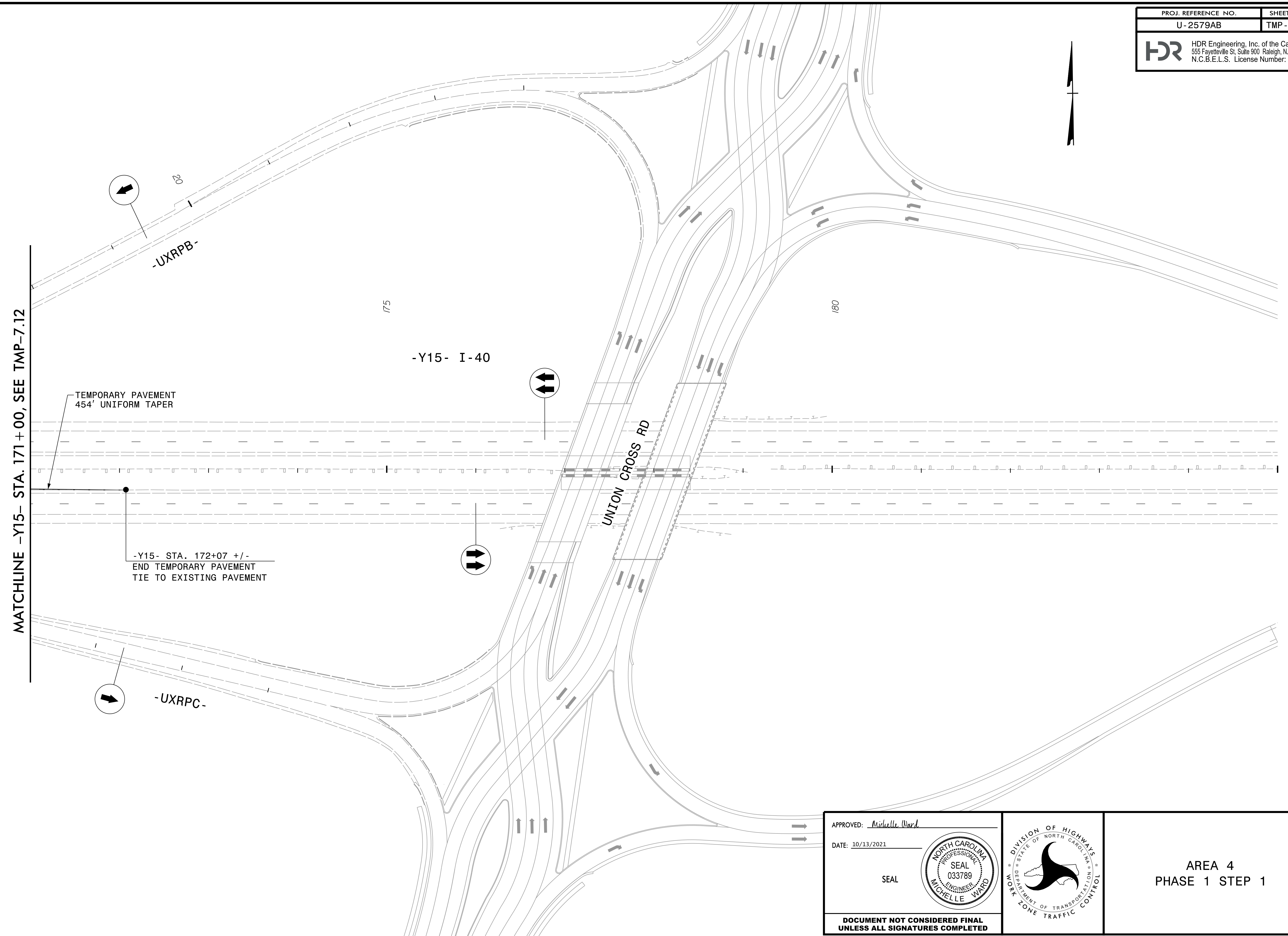


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AREA 4
 PHASE 1 STEP 1

PROJ. REFERENCE NO.	SHEET NO.
U-2579AB	TMP-7.13
 HDR Engineering, Inc. of the Carolinas 555 Fayetteville St, Suite 900 Raleigh, N.C. 27601 N.C.B.E.L.S. License Number: F-0116	

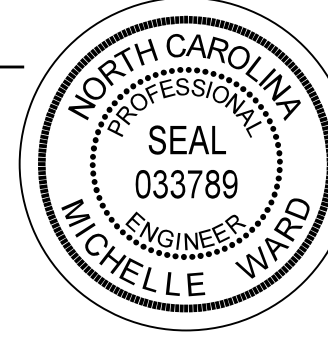


REVISIONS

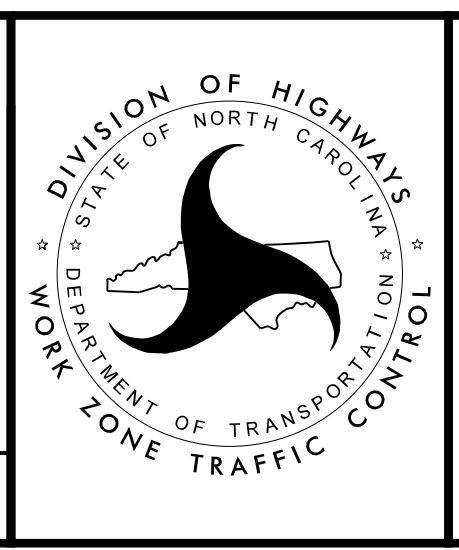
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APPROVED: *Michelle Ward*
 DATE: 10/13/2021


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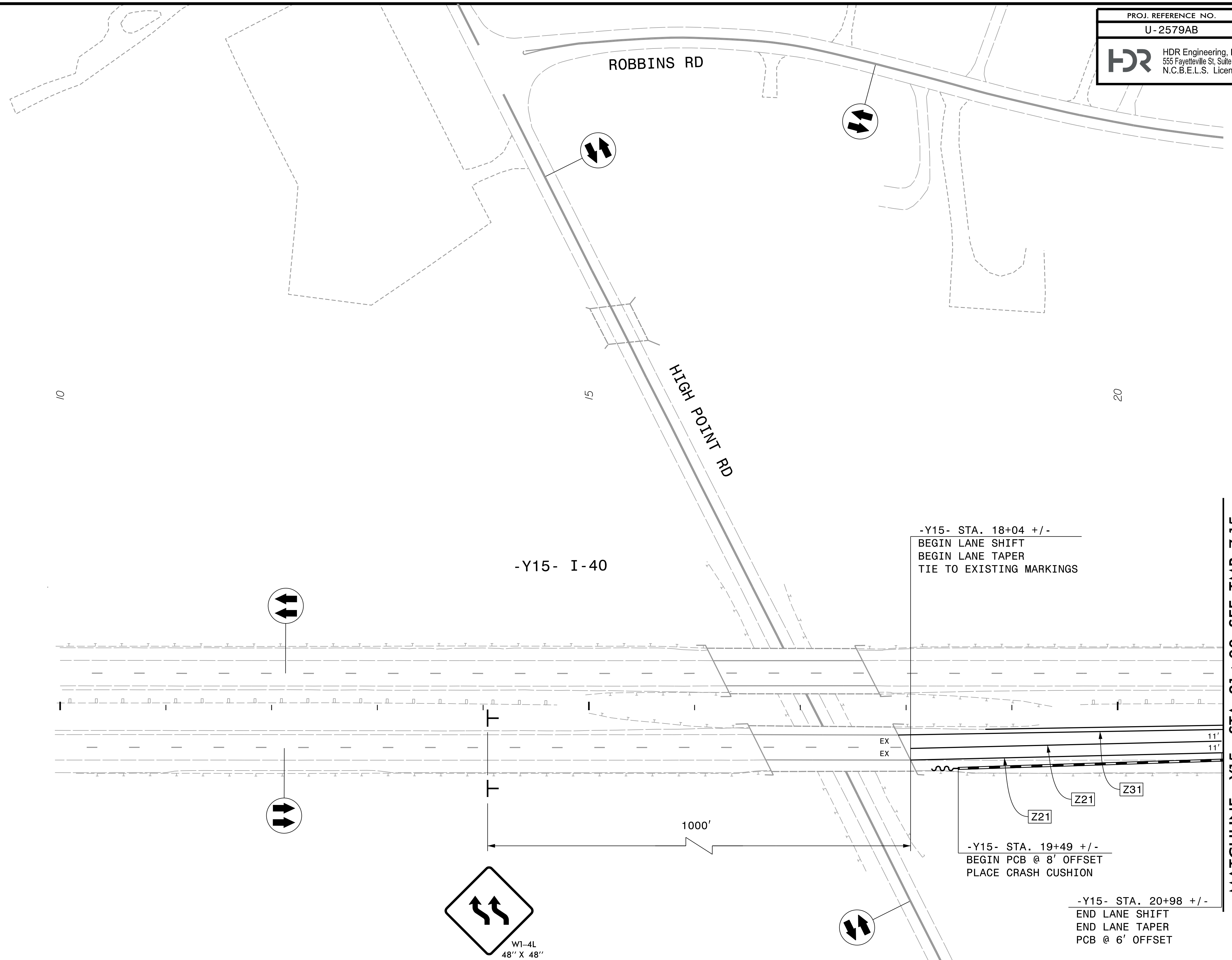
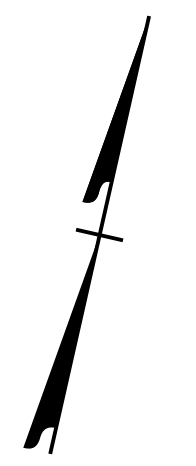


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AREA 4
 PHASE 1 STEP 1

PROJ. REFERENCE NO. U-2579AB	SHEET NO. TMP-7.14
 HDR Engineering, Inc. of the Carolinas 555 Fayetteville St, Suite 900 Raleigh, N.C. 27601 N.C.B.E.L.S. License Number: F-0116	


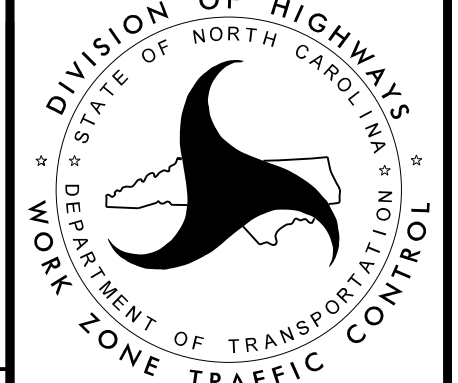



REVISIONS

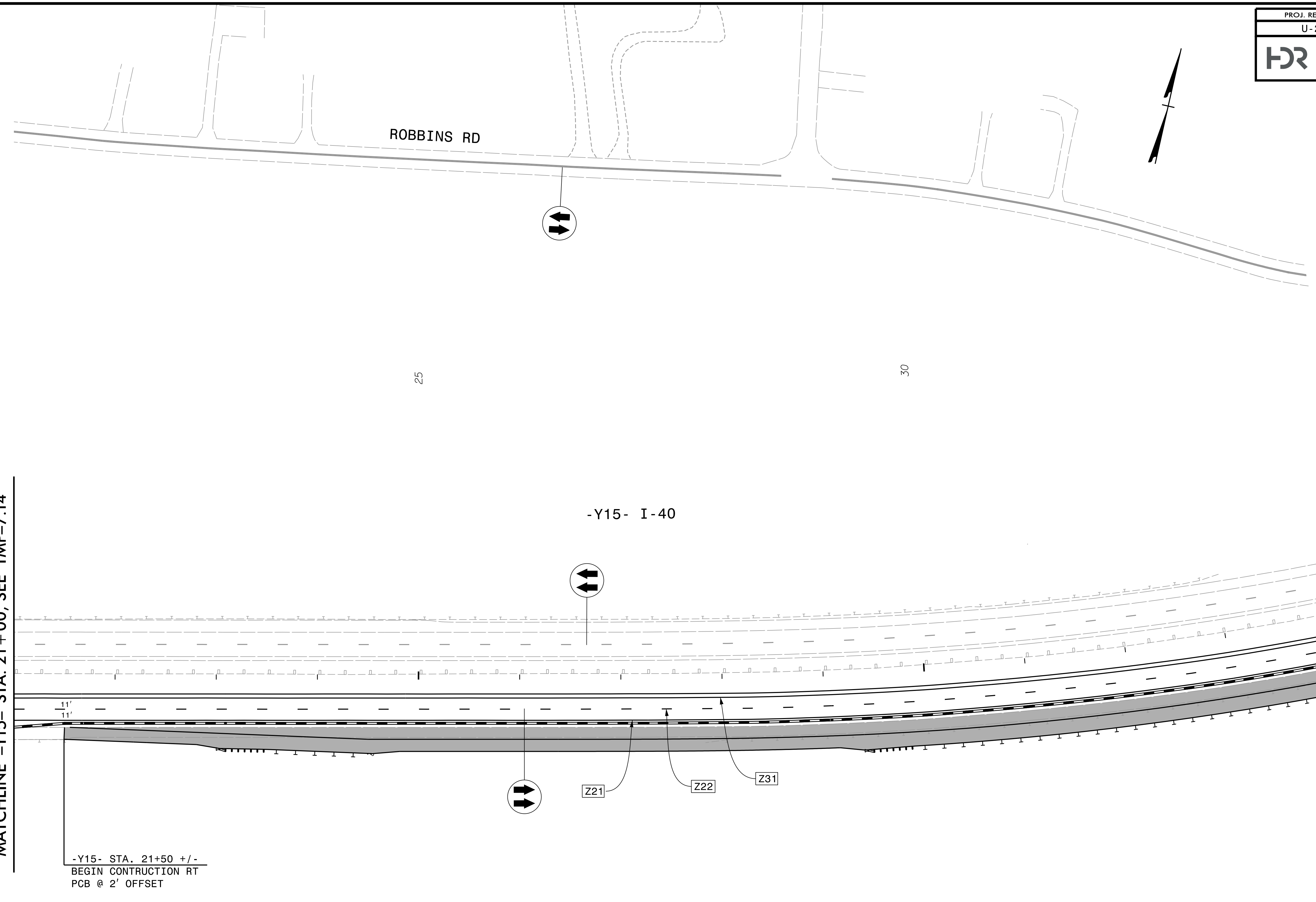
MATCHLINE -Y15- STA. 21+00, SEE TMP-7.15

AFTER SHIFTING TRAFFIC TO THE PHASE 1, STEP 2 PATTERN AND PRIOR TO PLACING PCB, COMPLETE I-40 EB EXISTING OUTSIDE LANE CONCRETE SLAB REPAIRS.

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APPROVED: <i>Michelle Ward</i> DATE: 10/13/2021 SEAL 		AREA 4 PHASE 1 STEP 2
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PROJ. REFERENCE NO.	SHEET NO.
U-2579AB	TMP-7.15
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REVISIONS

MATCHLINE -Y15- STA. 21 + 00, SEE TMP-7.14

MATCHLINE -Y15- STA. 34 + 50, SEE TMP-7.16

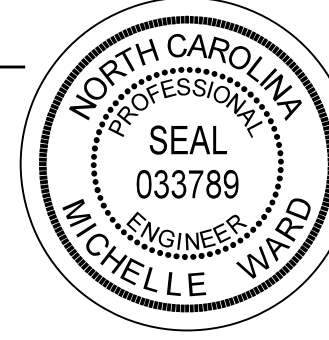
-Y15- STA. 21+50 +/-
BEGIN CONSTRUCTION RT
PCB @ 2' OFFSET

AFTER SHIFTING TRAFFIC TO THE
PHASE 1, STEP 2 PATTERN AND PRIOR TO
PLACING PCB, COMPLETE I-40 EB EXISTING
OUTSIDE LANE CONCRETE SLAB REPAIRS.

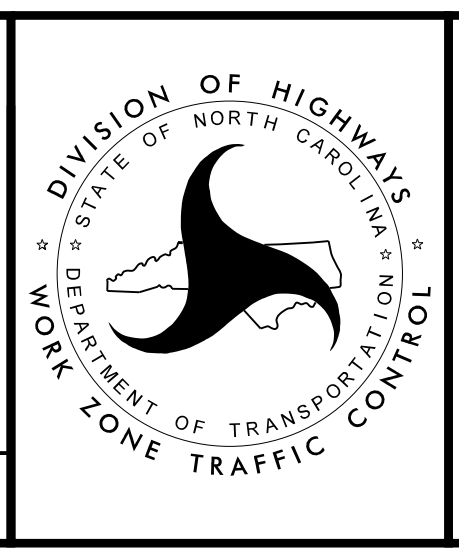
APPROVED: *Michelle Ward*

DATE: 10/13/2021


SEAL

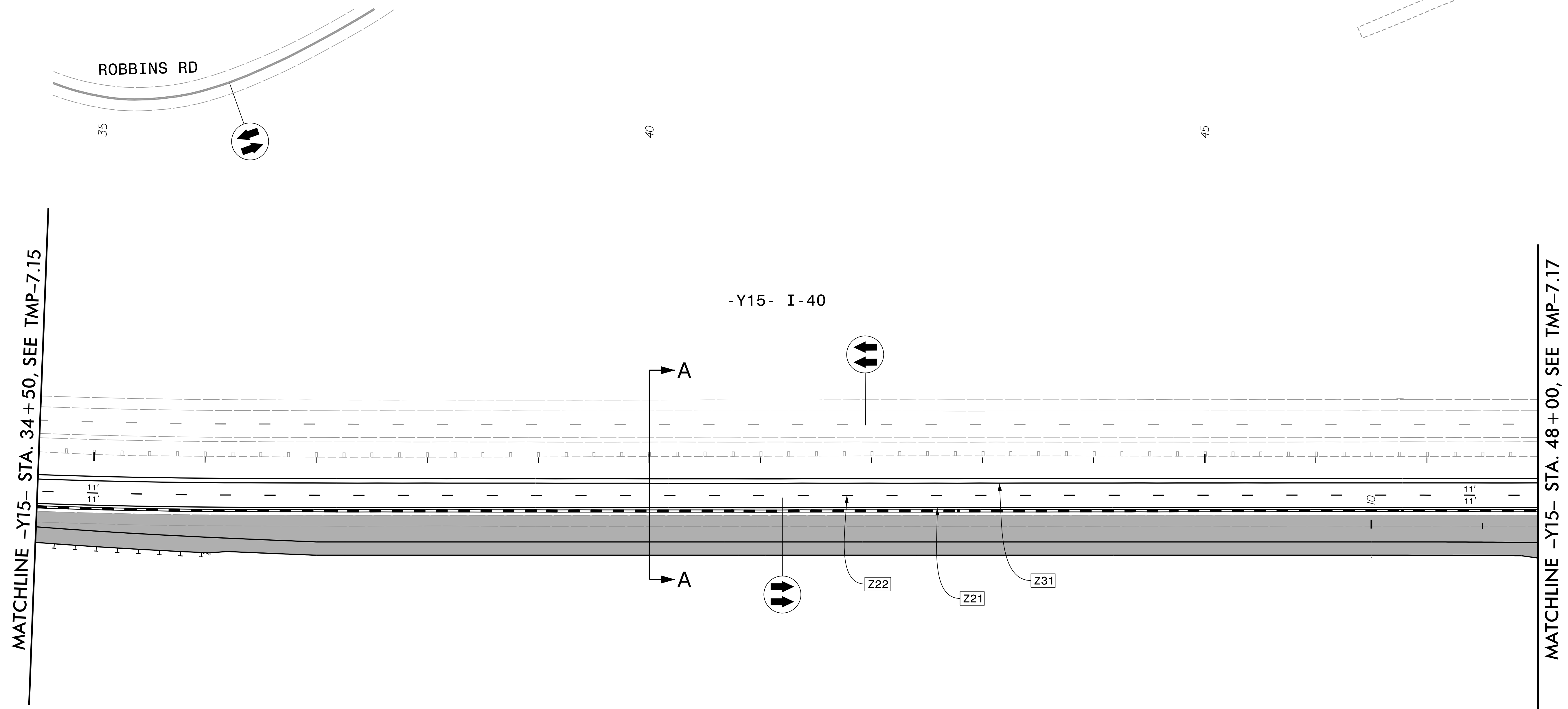
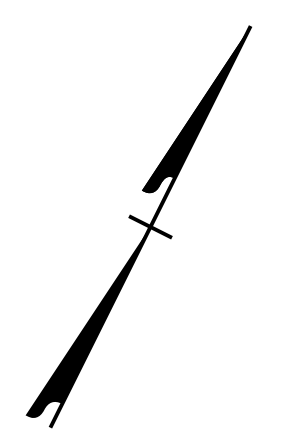


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AREA 4
PHASE 1 STEP 2

PROJ. REFERENCE NO.	SHEET NO.
U-2579AB	TMP-7.16
 HDR Engineering, Inc. of the Carolinas 555 Fayetteville St, Suite 900 Raleigh, N.C. 27601 N.C.B.E.L.S. License Number: F-0116	



REVISIONS

NO.	DATE	DESCRIPTION

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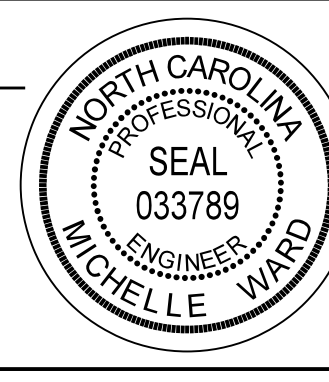
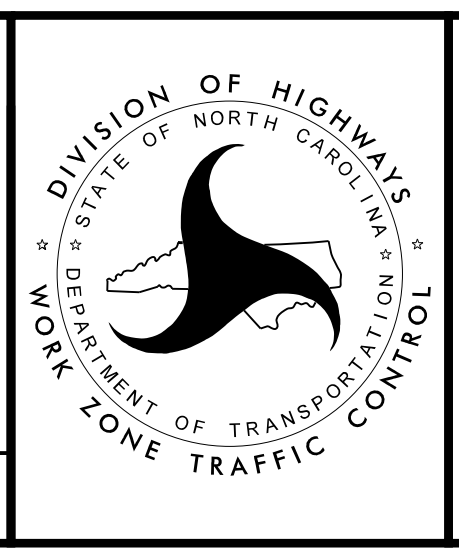
NOTES:
 1. SEE TMP-7.79 FOR CUT SECTION A-A

AFter SHIFTING TRAFFIC TO THE PHASE 1, STEP 2 PATTERN AND PRIOR TO PLACING PCB, COMPLETE I-40 EB EXISTING OUTSIDE LANE CONCRETE SLAB REPAIRS.

APPROVED: *Michelle Ward*

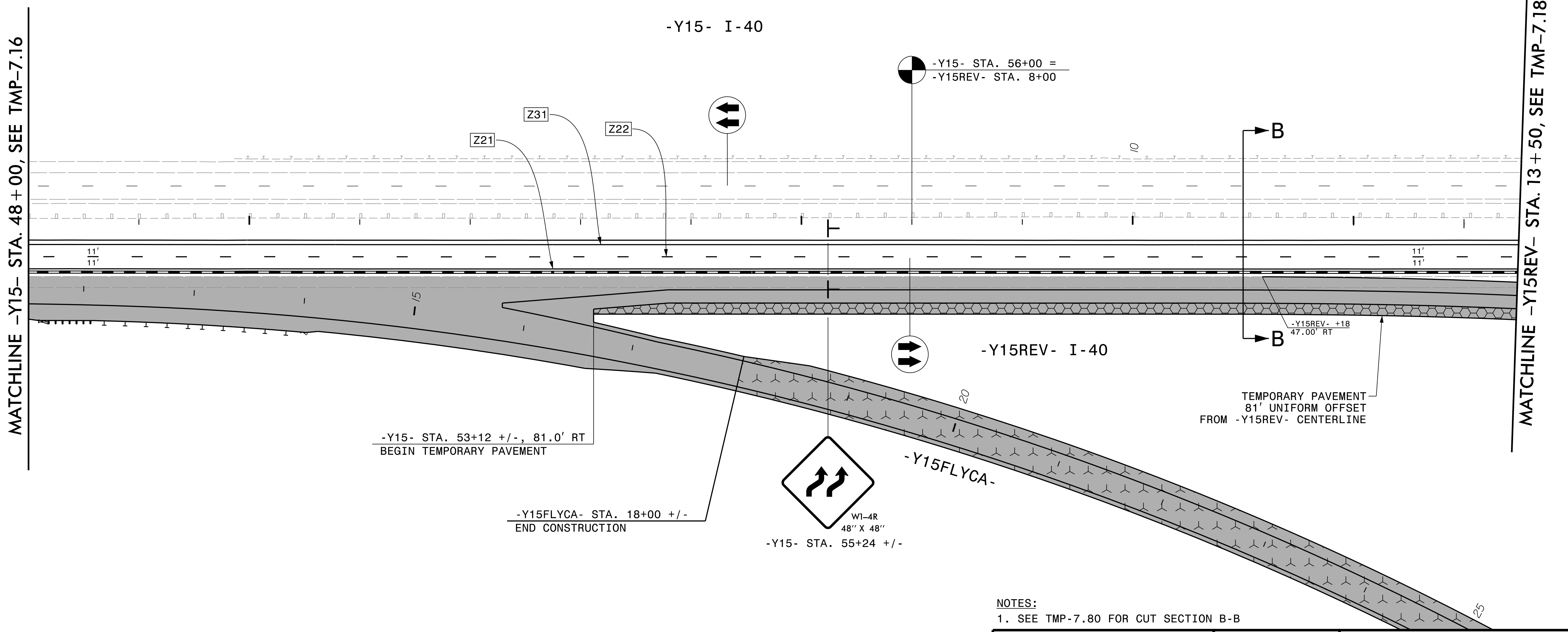
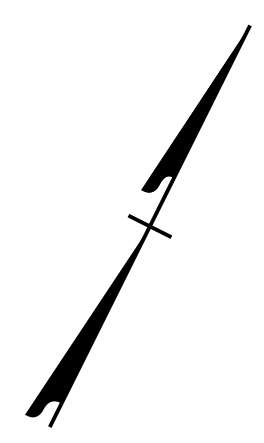
DATE: 10/13/2021

SEAL

AREA 4
 PHASE 1 STEP 2

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AFTER SHIFTING TRAFFIC TO THE PHASE 1, STEP 2 PATTERN AND PRIOR TO PLACING PCB, COMPLETE I-40 EB EXISTING OUTSIDE LANE CONCRETE SLAB REPAIRS.


NOTES:
1. SEE TMP-7.80 FOR CUT SECTION B-B

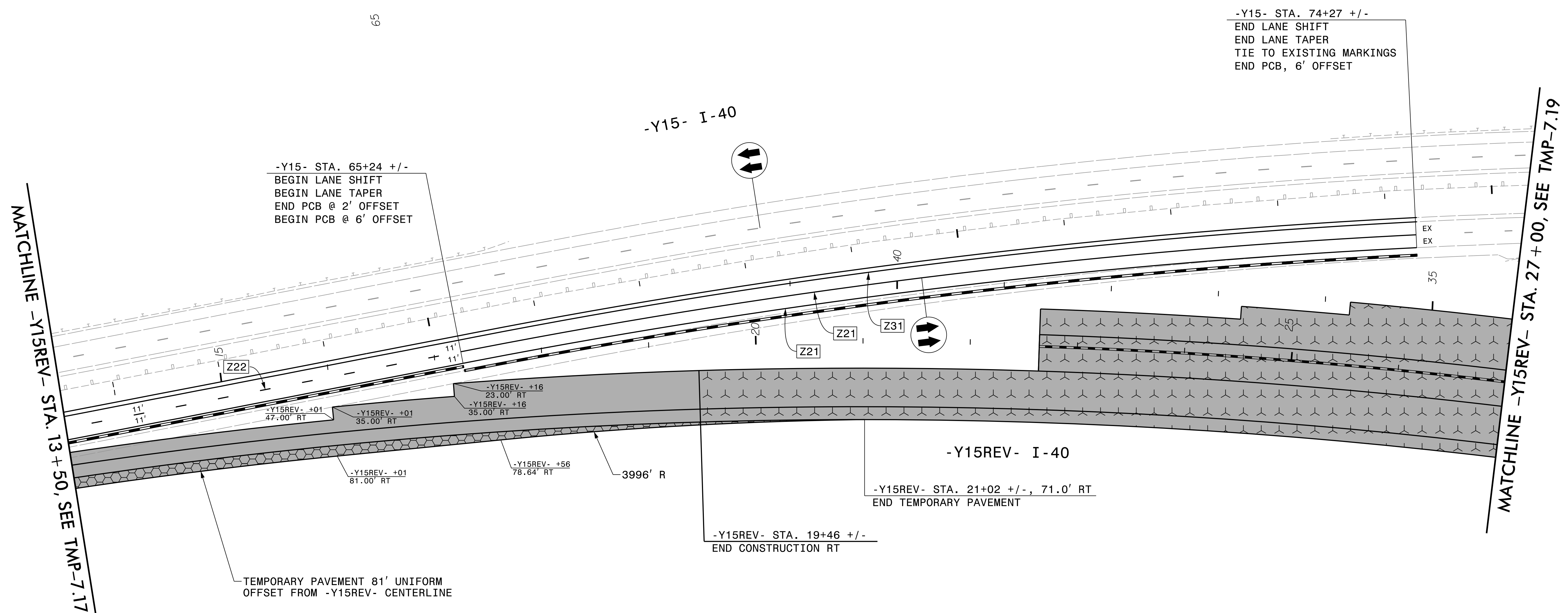
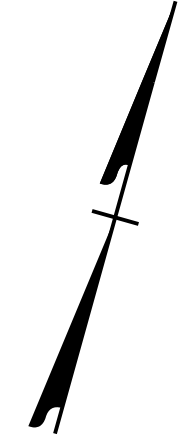
APPROVED: <i>Michelle Ward</i>		DIVISION OF HIGHWAYS STATE OF NORTH CAROLINA DEPARTMENT OF TRANSPORTATION WORK ZONE TRAFFIC CONTROL AREA 4 PHASE 1 STEP 2
DATE: 10/13/2021		
SEAL		

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 DATE: 7/13/2021

REVISIONS

PROJ. REFERENCE NO.	SHEET NO.
U-2579AB	TMP-7.18
 HDR Engineering, Inc. of the Carolinas 555 Fayetteville St, Suite 900 Raleigh, N.C. 27601 N.C.B.E.L.S. License Number: F-0116	



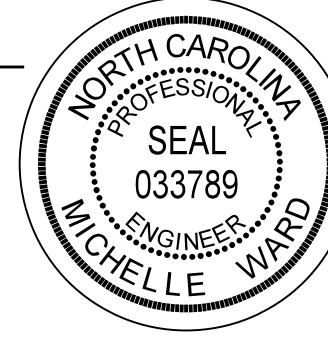
REVISIONS

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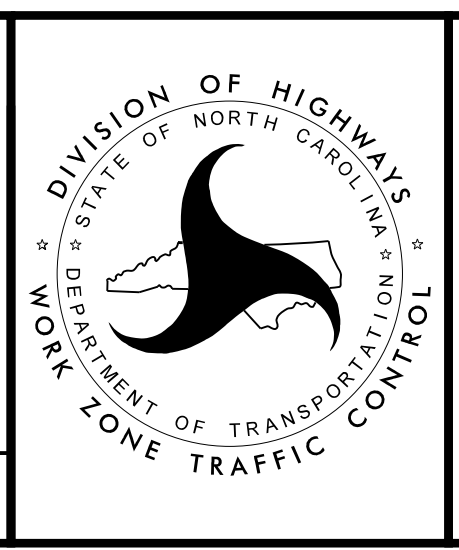
APPROVED: *Michelle Ward*

DATE: 10/13/2021


SEAL

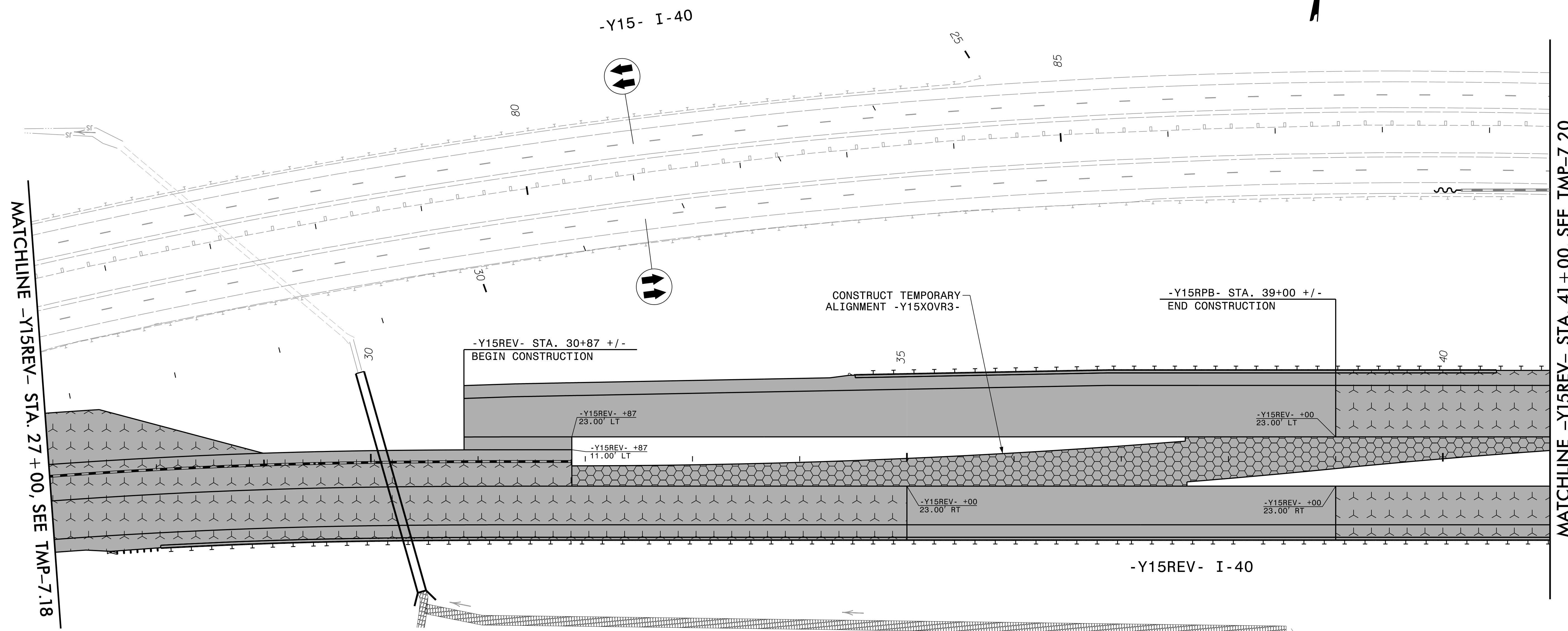


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AREA 4
 PHASE 1 STEP 2

PROJ. REFERENCE NO.	SHEET NO.
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 HDR Engineering, Inc. of the Carolinas 555 Fayetteville St, Suite 900 Raleigh, N.C. 27601 N.C.B.E.L.S. License Number: F-0116	



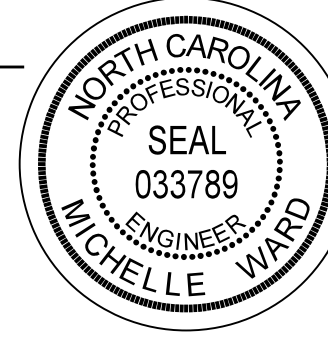
REVISIONS

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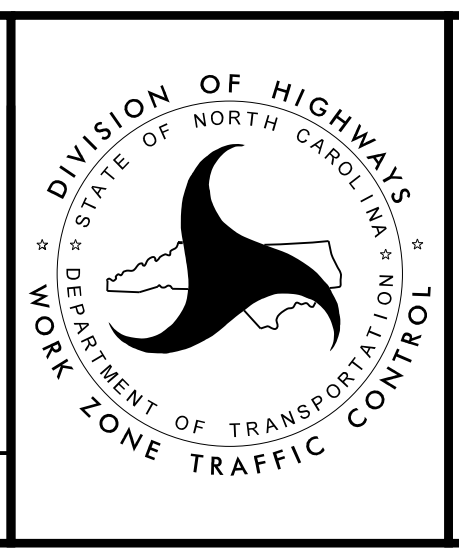
APPROVED: *Michelle Ward*

DATE: 10/13/2021


SEAL

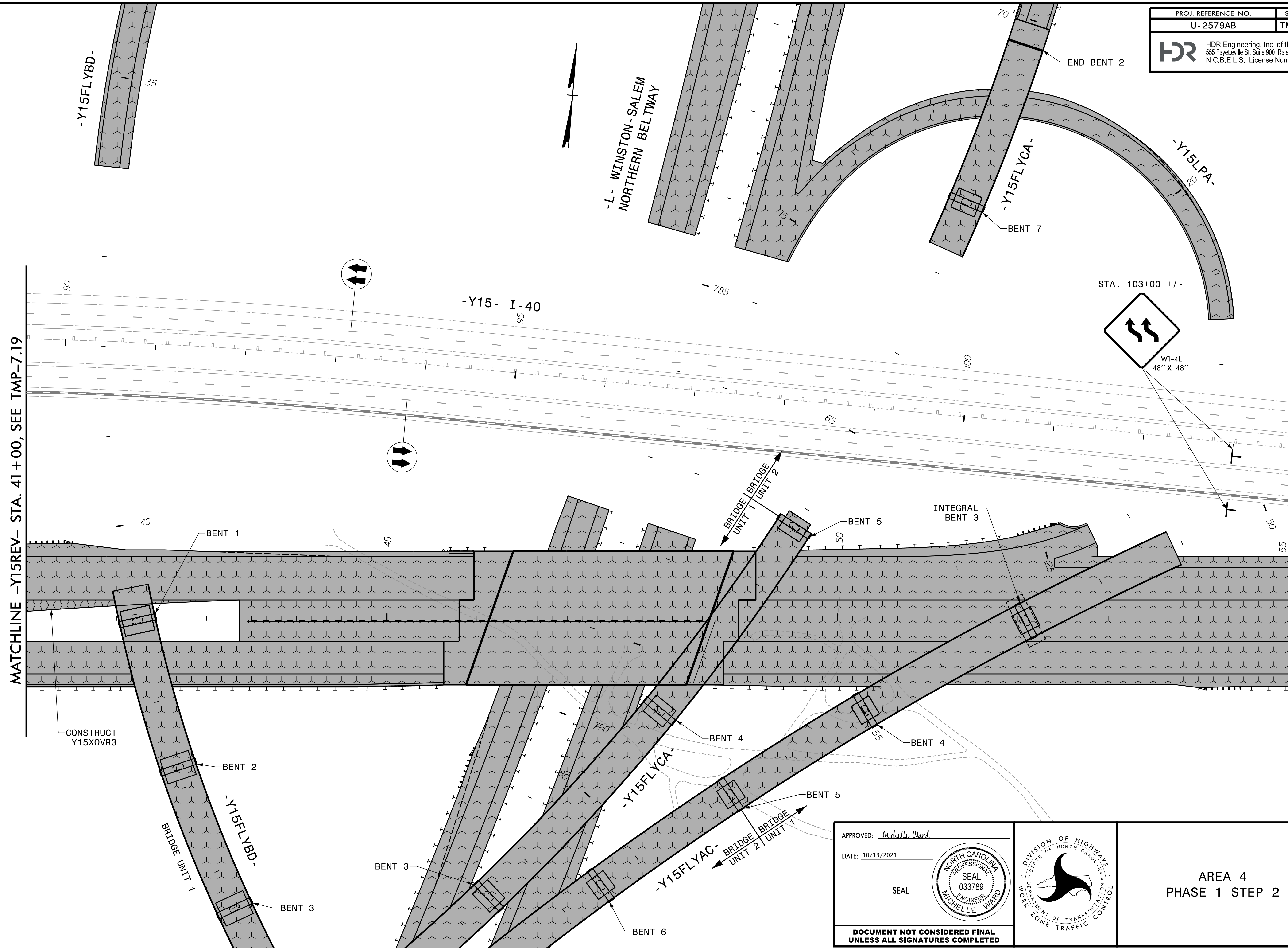


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AREA 4
 PHASE 1 STEP 2

PROJ. REFERENCE NO.	SHEET NO.
U-2579AB	TMP-7.20
 HDR Engineering, Inc. of the Carolinas 555 Fayetteville St, Suite 900 Raleigh, N.C. 27601 N.C.E.E.L.S. License Number: F-0116	



MATCHLINE -Y15REV- STA. 41 + 00, SEE TMP-7.19

MATCHLINE -Y15REV- STA. 55 + 00, SEE TMP-7.21

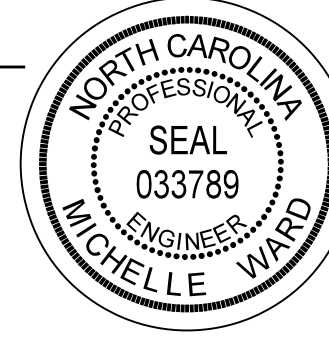
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REVISIONS

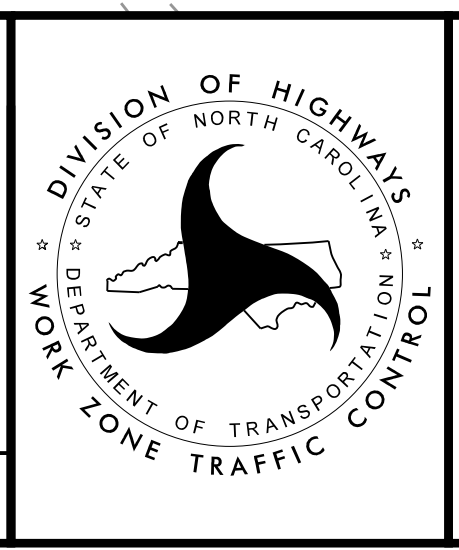
APPROVED: *Michelle Ward*

DATE: 10/13/2021


SEAL

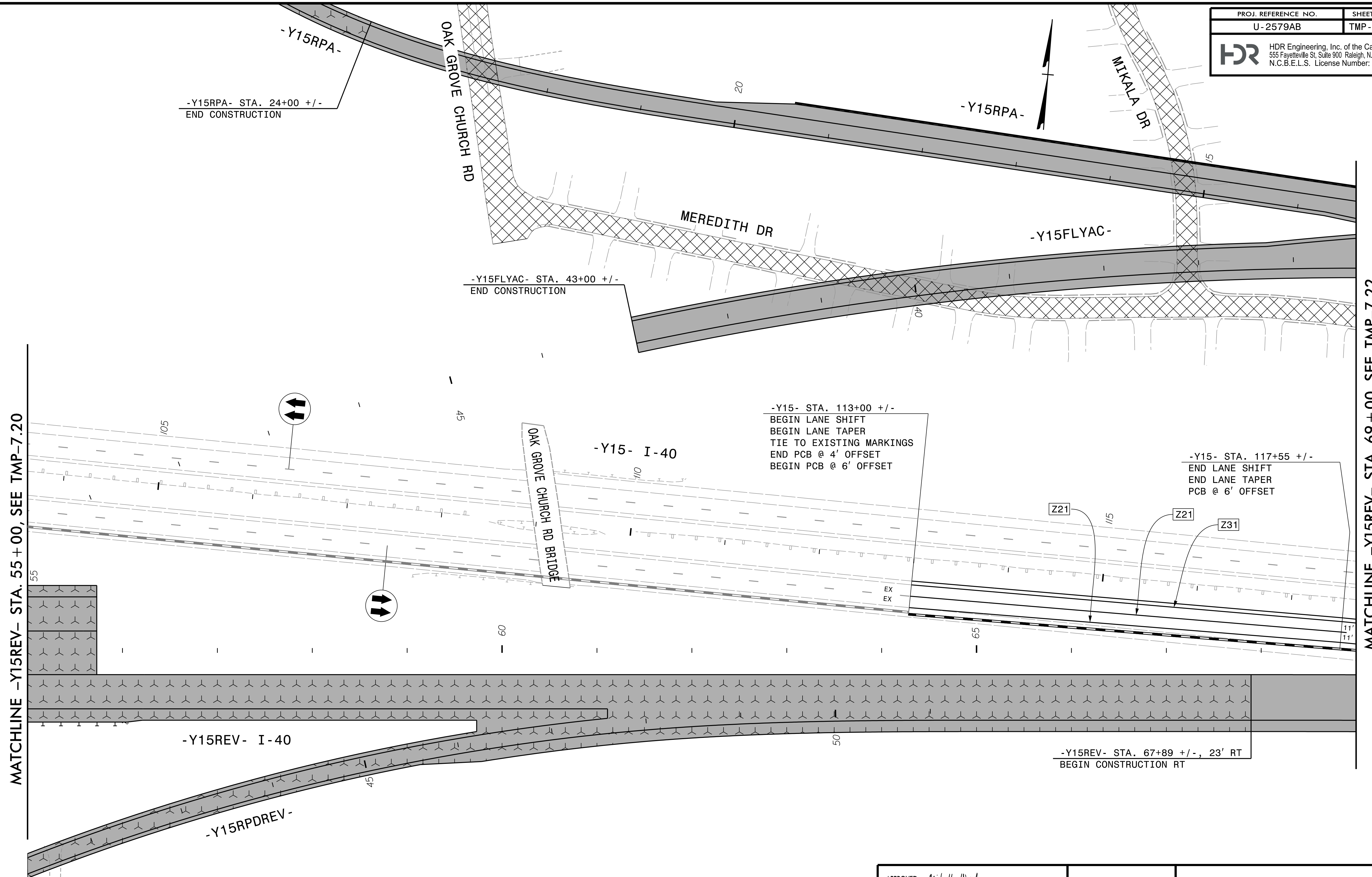


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AREA 4
PHASE 1 STEP 2

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 HDR Engineering, Inc. of the Carolinas 555 Fayetteville St, Suite 900 Raleigh, N.C. 27601 N.C.B.E.L.S. License Number: F-0116	



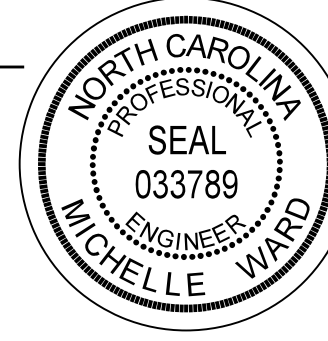
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REVISIONS

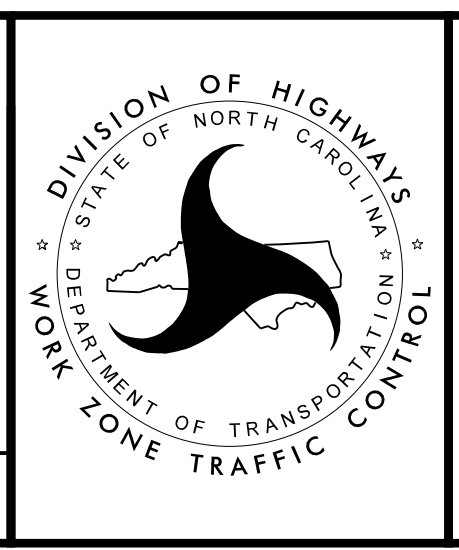
APPROVED: *Michelle Ward*

DATE: 10/13/2021

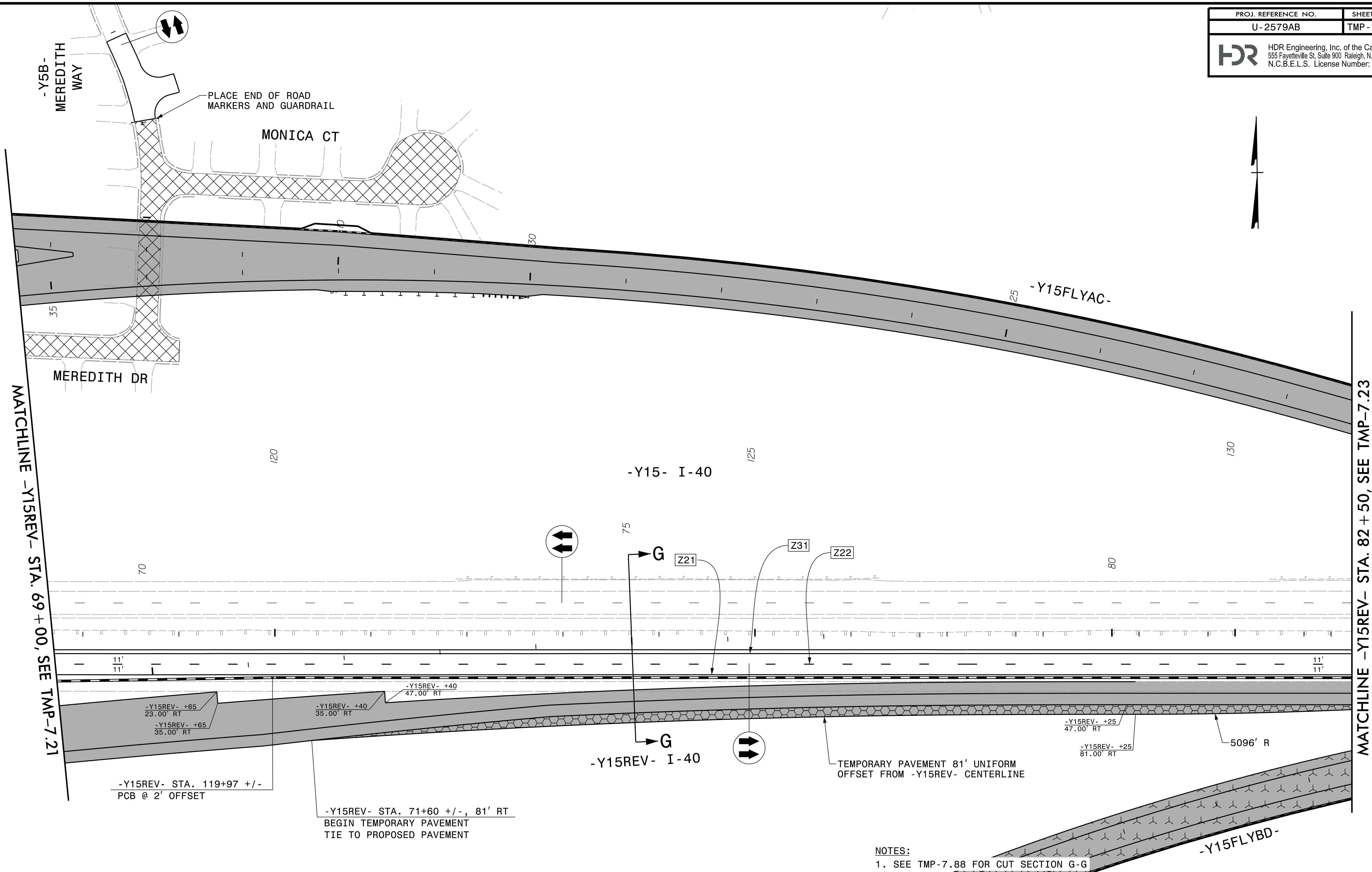
SEAL



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**AREA 4
PHASE 1 STEP 2**



MATCHLINE -Y15REV- STA. 69+00, SEE TMP-7.21

MATCHLINE -Y15REV- STA. 82+50, SEE TMP-7.23

REVISIONS

-Y15REV- STA. 119+97 +/-
PCB @ 2' OFFSET

-Y15REV- STA. 71+60 +/-, 81' RT
BEGIN TEMPORARY PAVEMENT
TIE TO PROPOSED PAVEMENT

TEMPORARY PAVEMENT 81' UNIFORM
OFFSET FROM -Y15REV- CENTERLINE

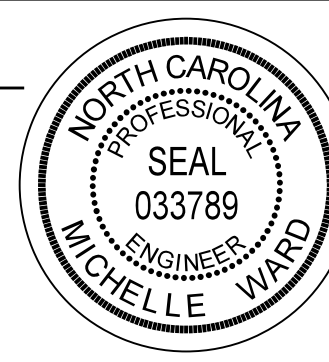
NOTES:
1. SEE TMP-7.88 FOR CUT SECTION G-G

AFTER SHIFTING TRAFFIC TO THE
PHASE 1, STEP 2 PATTERN AND PRIOR TO
PLACING PCB, COMPLETE I-40 EB EXISTING
OUTSIDE LANE CONCRETE SLAB REPAIRS.

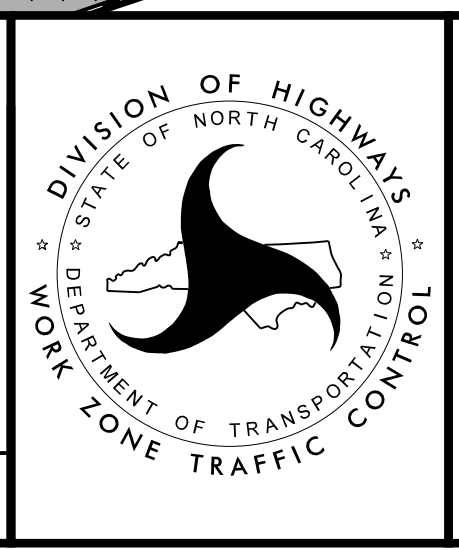
APPROVED: *Michelle Ward*

DATE: 10/13/2021

SEAL



DOCUMENT NOT CONSIDERED FINAL
UNLESS ALL SIGNATURES COMPLETED



AREA 4
PHASE 1 STEP 2

PLOT DRIVER: NCDOT_pdf_color_eng_50.plt
 USER: CHARNDEN
 FILE: p:\w\h\p\use\01\HDE_US_East_01\Documents\NCDOT\U2579AB\6.0\CAD\BTM\6.2\Work_In_Progress\U-2579AB\T\off\Contr\TCP\U2579AB_TC_TMP-07.22_Area_4_Phase_1_Step_2_Sheet_9

PENTABLE: NCDOT_tcp.tbl
 TIME: 5:04:49 PM
 DATE: 7/13/2021