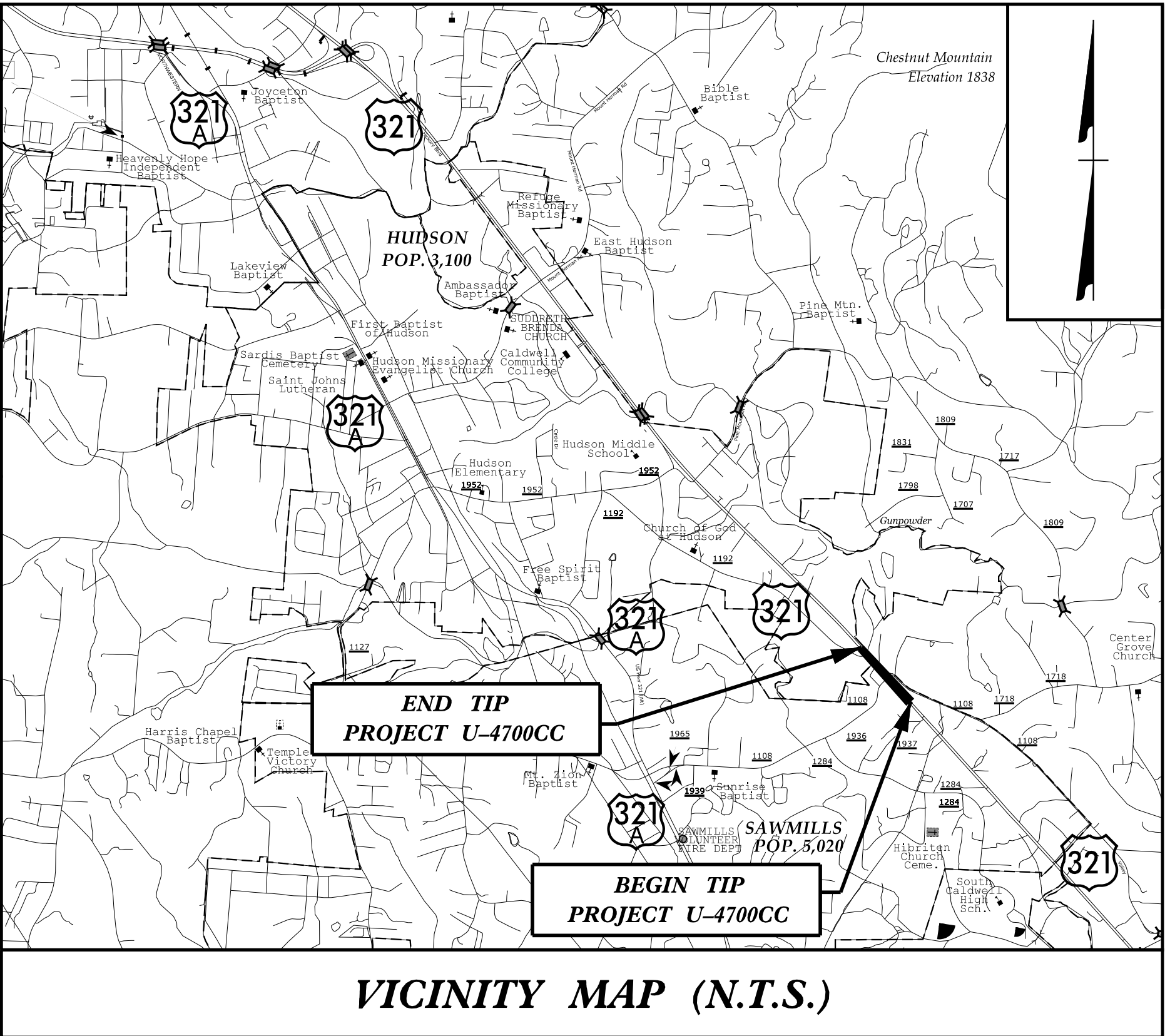
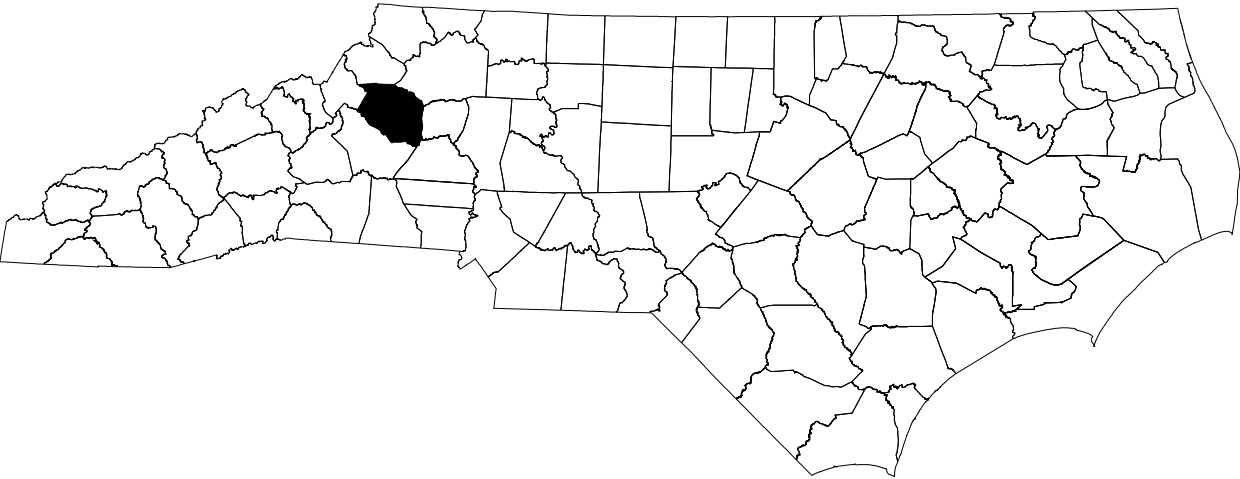


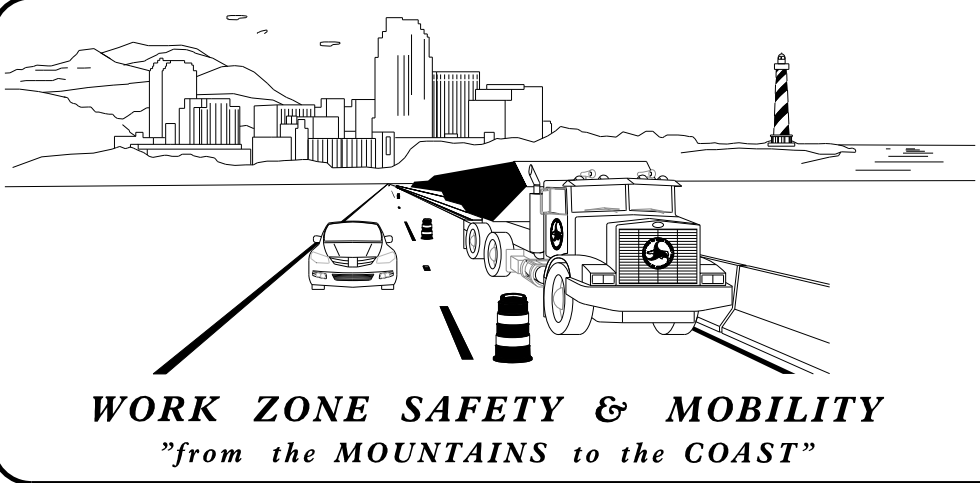
STATE OF NORTH CAROLINA
DIVISION OF HIGHWAYS

TRANSPORTATION MANAGEMENT PLAN

CALDWELL COUNTY
DIVISION II



LOCATION: INTERSECTION UPGRADE AT US-321 AND
SR-1108 (MISSION RD)



PLANS PREPARED BY:

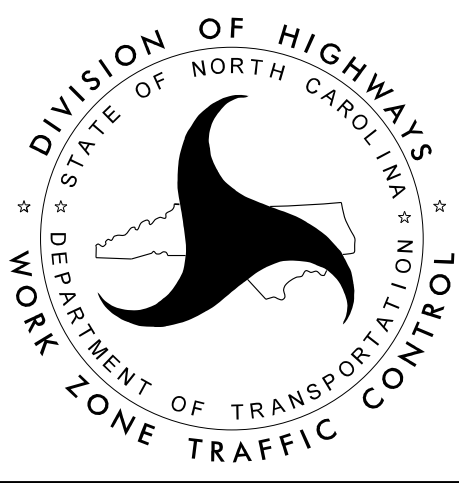
CHARLES YOUNG, PE, PMP
TRAFFIC CONTROL ENGINEER

JOSHUA ROEMER, PE
TRAFFIC CONTROL DESIGN ENGINEER

NCDOT CONTACTS:

ZACHARY CLARK, PE
PROJECT ENGINEER

SHEENA GREEN
PROJECT DESIGN ENGINEER

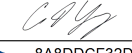


INDEX OF SHEETS

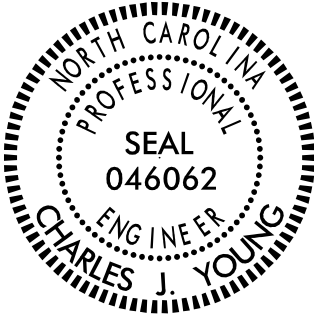
SHEET NO.	TITLE
TMP-1	TITLE SHEET AND INDEX OF SHEETS
TMP-1A	LIST OF APPLICABLE ROADWAY STANDARD DRAWINGS AND LEGEND
TMP-1B	GENERAL NOTES, LOCAL NOTES AND MANAGEMENT STRATEGIES
TMP-2	TYPICAL SECTIONS
TMP-2A	SPECIAL SIGN DESIGNS
TMP-3	TEMPORARY TRAFFIC CONTROL PHASING
TMP-4 THRU TMP-6	TEMPORARY TRAFFIC CONTROL PHASE I DETAIL
TMP-7	TEMPORARY TRAFFIC CONTROL PHASE I OFFSITE DETOUR
TMP-8 THRU TMP-10	TEMPORARY TRAFFIC CONTROL PHASE II DETAIL
TMP-11 THRU TMP-13	TEMPORARY TRAFFIC CONTROL PHASE III DETAIL

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Raleigh, NC, 27609
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TIP PROJECT:

SHEET NO.
TMP-1

U-4700CC

ROADWAY STANDARD DRAWINGS

THE FOLLOWING ROADWAY STANDARDS AS SHOWN IN "ROADWAY STANDARD DRAWINGS" - N.C. DEPARTMENT OF TRANSPORTATION - RALEIGH, N.C., DATED JANUARY 2024 ARE APPLICABLE TO THIS PROJECT AND BY REFERENCE HEREBY ARE CONSIDERED A PART OF THESE PLANS:

STD. NO.	TITLE
1101.01	WORK ZONE ADVANCE WARNING SIGNS
1101.02	TEMPORARY LANE CLOSURES
1101.03	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 - TYPE III
1150.01	FLAGGERS
1160.01	TEMPORARY CRASH CUSHION - REFLECTIVE END TREATMENT
1165.01	TRUCK MOUNTED ATTENUATOR
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
1205.08	PAVEMENT MARKINGS - SYMBOLS AND WORD MESSAGES
1205.09	PAVEMENT MARKINGS - PAINTED ISLANDS
1205.15	PAVEMENT MARKINGS - REDUCED CONFLICT INTERSECTIONS
1250.01	RAISED PAVEMENT MARKERS INSTALLATION SPACING
1251.01	RAISED PAVEMENT MARKERS - PERMANENT AND TEMPORARY
1261.01	GUARDRAIL AND BARRIER DELINEATORS - INSTALLATION SPACING
1261.02	GUARDRAIL AND BARRIER DELINEATORS - TYPES AND MOUNTING
1262.01	GUARDRAIL END DELINEATION

MANAGEMENT STRATEGIES

THE FOLLOWING LISTED WORK ZONE STRATEGIES ARE RECOMMENDED FOR INCLUSION WITHIN THIS TRANSPORTATION MANAGEMENT PLAN (TMP).

RECOMMENDED STRATEGIES:

TRAFFIC MANAGEMENT STRATEGIES:

- FULL ROADWAY CLOSURES
- LANE SHIFTS OR CLOSURES
- SHOULDER CLOSURES
- ONE-LANE, TWO WAY OPERATION (FLAGGING)
- NIGHT WORK
- WEEKEND WORK
- WORK HOUR RESTRICTIONS FOR PEAK TRAVEL
- OFF-SITE DETOURS / USE OF ALTERNATIVE ROUTES
- WORK ZONE PATTERN MASKINGS

CONTRACTING & INNOVATIVE CONTRUCTION STRATEGIES:

- INTERMEDIATE CONTRACT TIMES / LIQUIDATED DAMAGES

PROJ. REFERENCE NO.	SHEET NO.
U-4700CC	TMP-1A

LEGEND

GENERAL

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

- WORK AREA
- REMOVAL
- WEDGING
- TEMPORARY PAVEMENT
- TEMPORARY STONE (ABC)

SIGNALS

- EXISTING
- PROPOSED
- TEMPORARY

PAVEMENT MARKINGS

- EXISTING LINES
- TEMPORARY LINES

TEMPORARY PAVEMENT MARKING

SYMBOL	DESCRIPTION
PAVEMENT MARKING LINES	
4" PAINT	
P1	WHITE EDGELINE
P2	WHITE SOLID LANE LINE
P3	10 FT. WHITE SKIP
P4	3 FT. - 9 FT./SP WHITE MINISKIP
P5	2 FT. - 6 FT./SP WHITE MINISKIP
P10	YELLOW EDGELINE
P13	YELLOW DOUBLE CENTER
P14	2 FT. - 6 FT./SP YELLOW MINISKIP
24" PAINT	
P61	WHITE STOPBAR

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

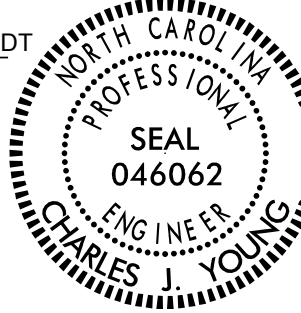
- PORTABLE SIGN
- STATIONARY SIGN
- STATIONARY OR PORTABLE SIGN

PAVEMENT MARKERS

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

PAVEMENT MARKING SYMBOLS

- PAVEMENT MARKING SYMBOLS



ROADWAY STANDARD
DRAWINGS & LEGEND

APPROVED:

Signed by:

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GENERAL NOTES

CHANGES MAY BE REQUIRED WHEN PHYSICAL DIMENSIONS IN THE DETAIL DRAWINGS, STANDARD DETAILS, AND ROADWAY DETAILS ARE NOT ATTAINABLE TO MEET FIELD CONDITIONS OR RESULT IN DUPLICATE OR UNDESIRE

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

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

TIME RESTRICTIONS

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

ROAD NAME	DAY AND TIME RESTRICTIONS
ANY ROAD	MONDAY THRU SUNDAY 6:00 AM TO 9:00 PM

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

ROAD NAME
ANY ROAD

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 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.
- FOR EASTER, BETWEEN THE HOURS OF 6:00 A.M. THURSDAY AND 9:00 P.M. MONDAY.
- FOR MEMORIAL DAY, BETWEEN THE HOURS OF 6:00 A.M. FRIDAY TO 9:00 P.M. TUESDAY.
- FOR INDEPENDENCE DAY, BETWEEN THE HOURS OF 6:00 A.M. THE DAY BEFORE INDEPENDENCE DAY AND 9:00 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 9:00 P.M. THE TUESDAY AFTER INDEPENDENCE DAY.

- FOR LABOR DAY, BETWEEN THE HOURS OF 6:00 A.M. FRIDAY AND 9:00 P.M. TUESDAY.
- FOR THANKSGIVING DAY, BETWEEN THE HOURS OF 6:00 A.M. TUESDAY TO 9:00 P.M. MONDAY.
- FOR CHRISTMAS, BETWEEN THE HOURS OF 6:00 A.M. THE FRIDAY BEFORE THE WEEK OF CHRISTMAS DAY AND 9:00 P.M. THE FOLLOWING TUESDAY AFTER THE WEEK OF CHRISTMAS.

LANE AND SHOULDER CLOSURE REQUIREMENTS

- C) 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.
- D) WHEN PERSONNEL AND/OR EQUIPMENT ARE WORKING WITHIN 15 FT OF AN OPEN TRAVEL LANE, CLOSE THE NEAREST OPEN SHOULDER USING ROADWAY STANDARD DRAWING NO. 1101.04 UNLESS THE WORK AREA IS PROTECTED BY BARRIER OR GUARDRAIL OR A LANE CLOSURE IS INSTALLED.
- E) WHEN PERSONNEL AND/OR EQUIPMENT ARE WORKING ON THE SHOULDER ADJACENT TO AN UNDIVIDED FACILITY AND WITHIN 5 FT OF AN OPEN TRAVEL LANE, CLOSE THE NEAREST OPEN TRAVEL LANE USING ROADWAY STANDARD DRAWING NO. 1101.02 UNLESS THE WORK AREA IS 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.

- F) WHEN PERSONNEL AND/OR EQUIPMENT ARE WORKING WITHIN A LANE OF TRAVEL OF AN UNDIVIDED OR DIVIDED FACILITY, CLOSE THE LANE ACCORDING TO THE TRAFFIC CONTROL PLANS, 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.

- G) DO NOT INSTALL MORE THAN ONE LANE CLOSURE IN ANY ONE DIRECTION ON US 64.

PAVEMENT EDGE DROP OFF REQUIREMENTS

- H) 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

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

SIGNING

- J) 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.

- K) 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.

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

- M) 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 CONTROL DEVICES

- N) 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.

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

- P) PLACE ADDITIONAL SETS OF THREE CHANNELIZING DEVICES PERPENDICULAR TO THE EDGE OF TRAVELWAY ON 220 FT CENTERS WHEN UNOPENED LANES ARE CLOSED TO TRAFFIC.

PAVEMENT MARKINGS AND MARKERS

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

ROAD NAME	MARKING	MARKER
HICKORY BLVD. (US 321)	PAINT	TEMPORARY RAISED
ALL OTHER ROADS	PAINT	NONE

- R) 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.

- S) TIE PROPOSED PAVEMENT MARKING LINES TO EXISTING PAVEMENT MARKING LINES.

- T) REMOVE/REPLACE ANY CONFLICTING/DAMAGED PAVEMENT MARKINGS AND MARKERS BY THE END OF EACH DAY'S OPERATION.

- U) 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

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

- W) ALL CURB RAMP LOCATIONS SHALL BE DERIVED FROM STATIONING SHOWN ON PAVEMENT MARKING PLANS OR AS DIRECTED BY THE ENGINEER IN COORDINATION WITH THE SIGNING AND DELINEATION UNIT.

- X) WHEN CONSTRUCTING DRAINAGE ADJACENT TO TRAFFIC, INSTALL TEMPORARY STEEL PLATES AS DIRECTED BY THE ENGINEER. WORK IN CONTINUOUS MANNER TO TO PERFORM THE WORK IN THE FOLLOWING SEQUENCE, STEPS 1 THRU 5.

- CLOSE THE APPROPRIATE TRAVEL LANE TO TRAFFIC USING NCDOT RSD 1101.02
- CONSTRUCT PROPOSED STRUCTURE OR INSTALL PRE-CAST DRAINAGE STRUCTURE AS SHOWN IN THE CONSTRUCTION PLANS AND COVER WITH STEEL PLATES TO PROTECT STRUCTURE DURING CURING.
- OPEN TRAVEL LANE TO EXISITING PATTERN BY THE END OF EACH WORK PERIOD.
- WHEN PROPERLY CURED, CLOSE THE APPROPRIATE TRAVEL LANE USING NCDOT RSD 1101.02, BACKFILL AND PAVE, IF REQUIRED, UP TO THE EDGE AND ELEVATION OF EXISITING PAVEMENT (SEE CONSTRUCTION PLANS.)
- OPEN TRAVEL LANE TO EXISITING TRAFFIC PATTERN BY THE END OF THE WORK PERIOD.

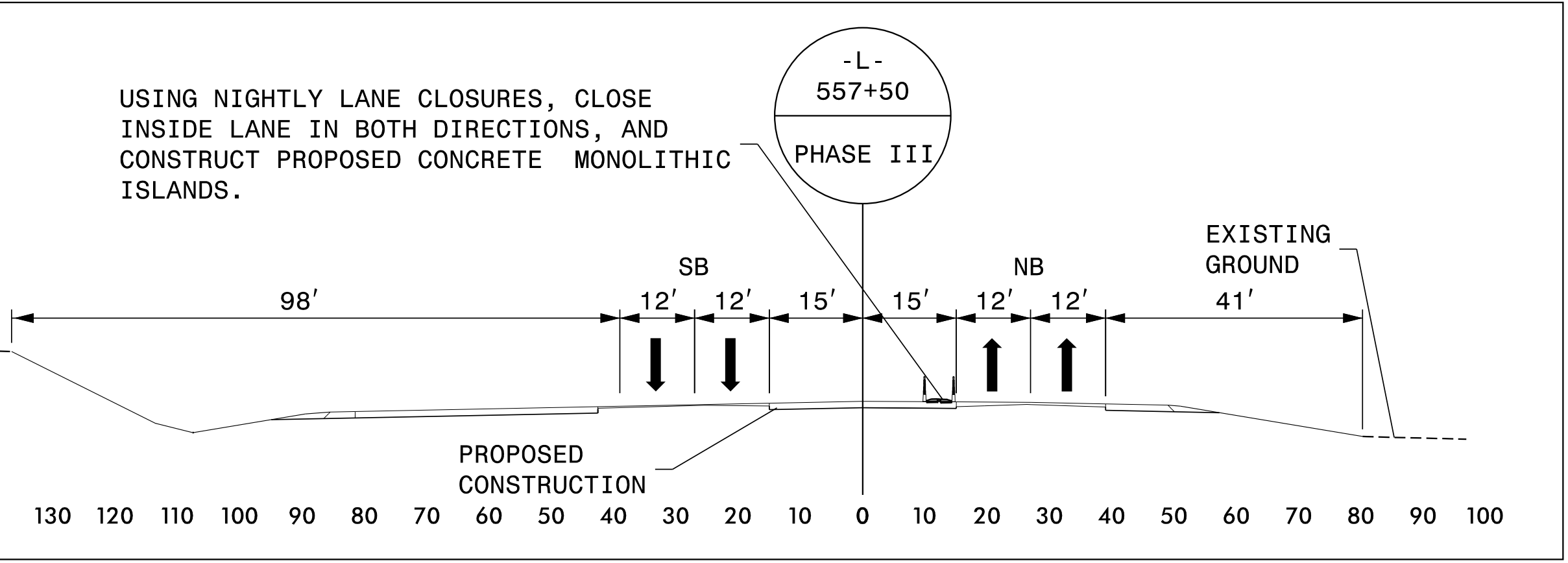
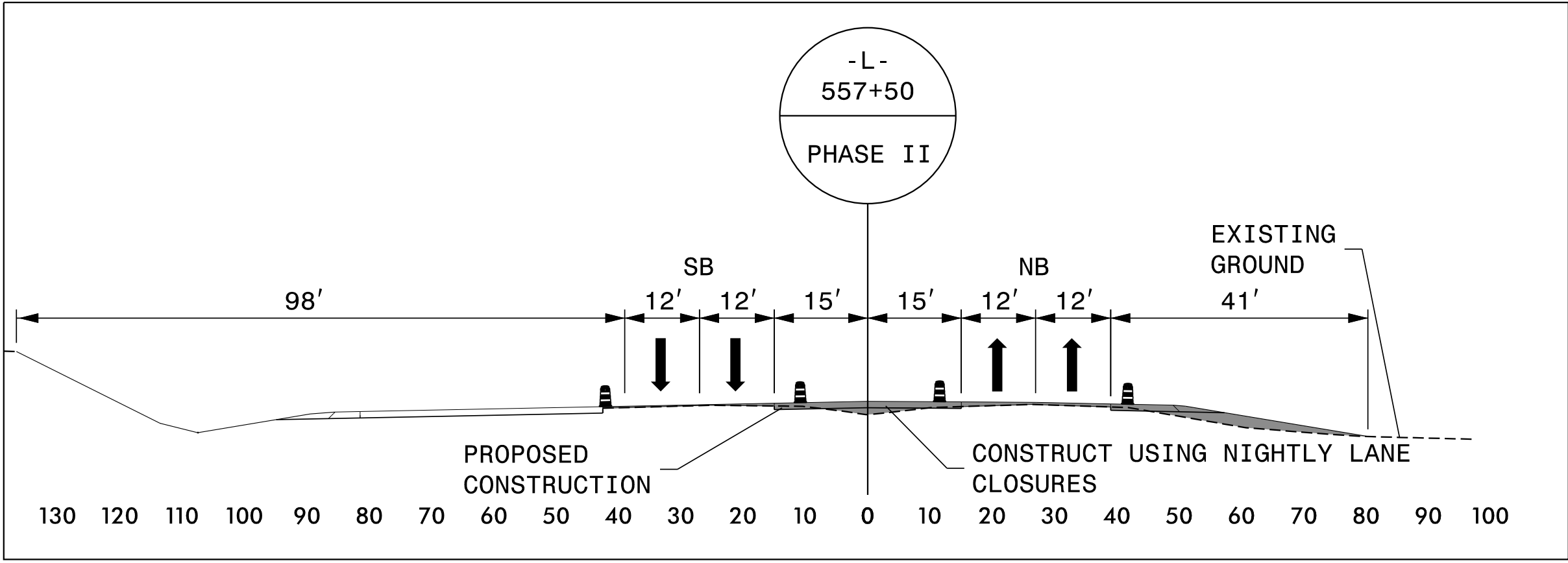
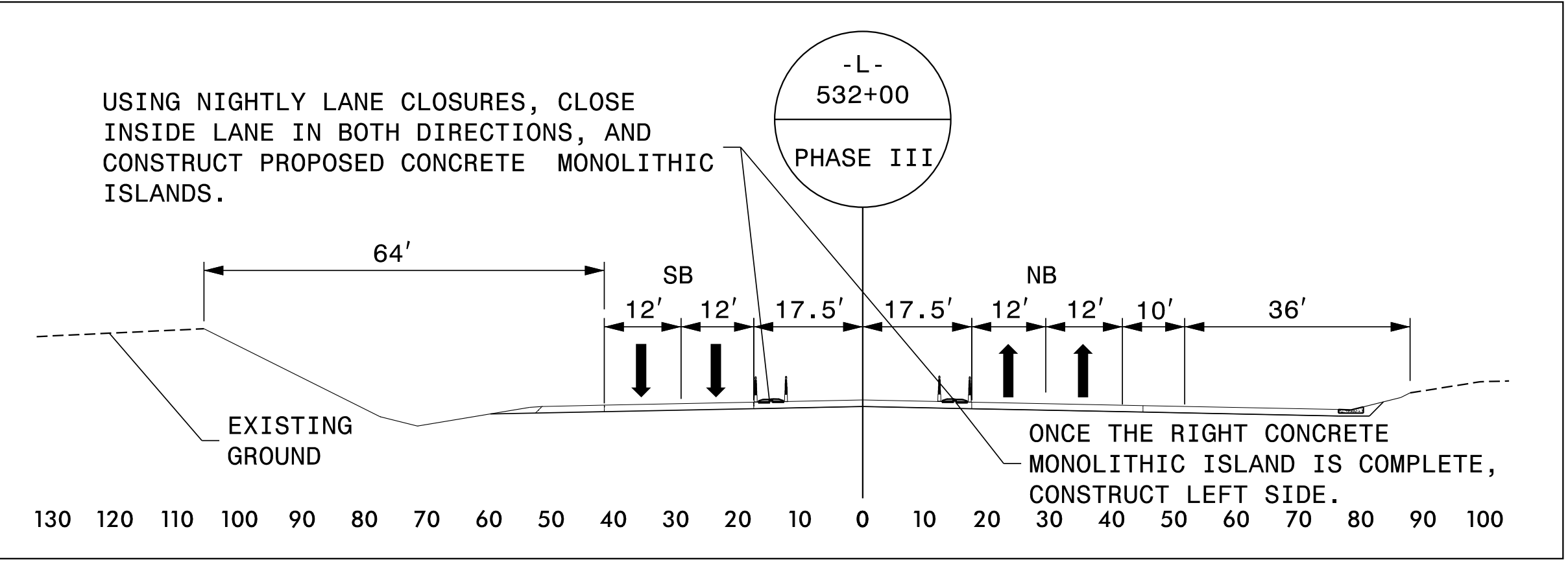
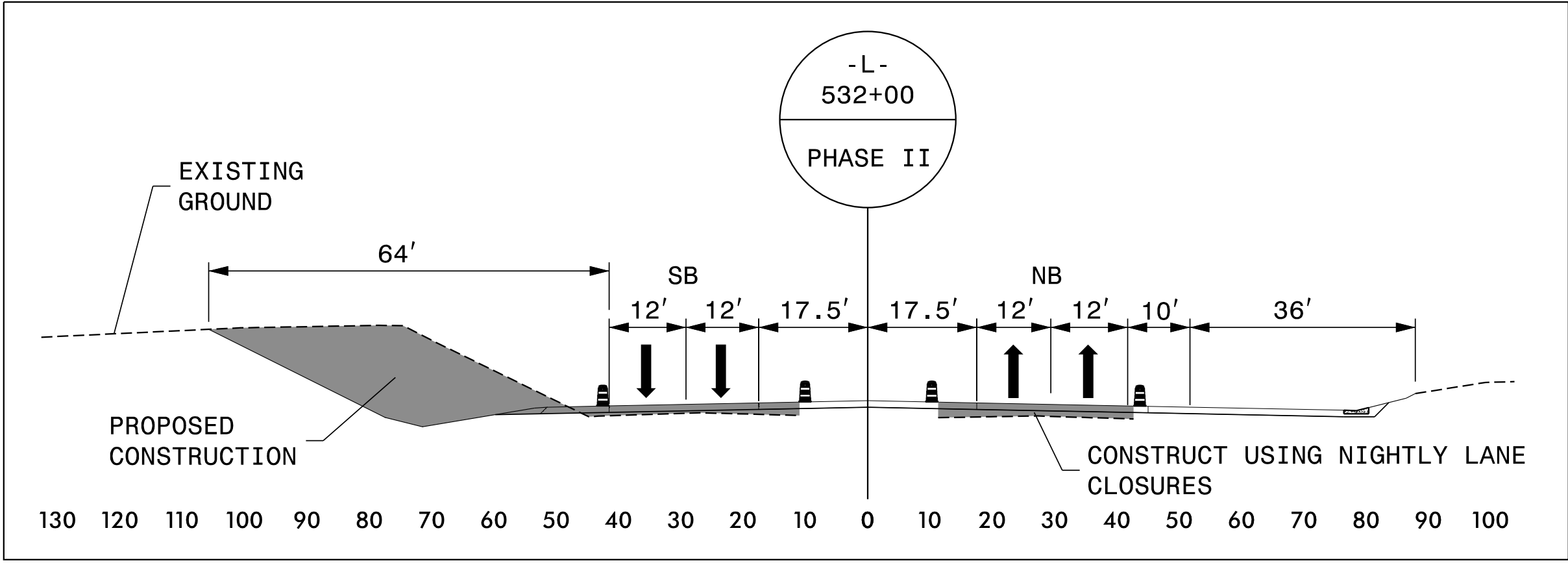
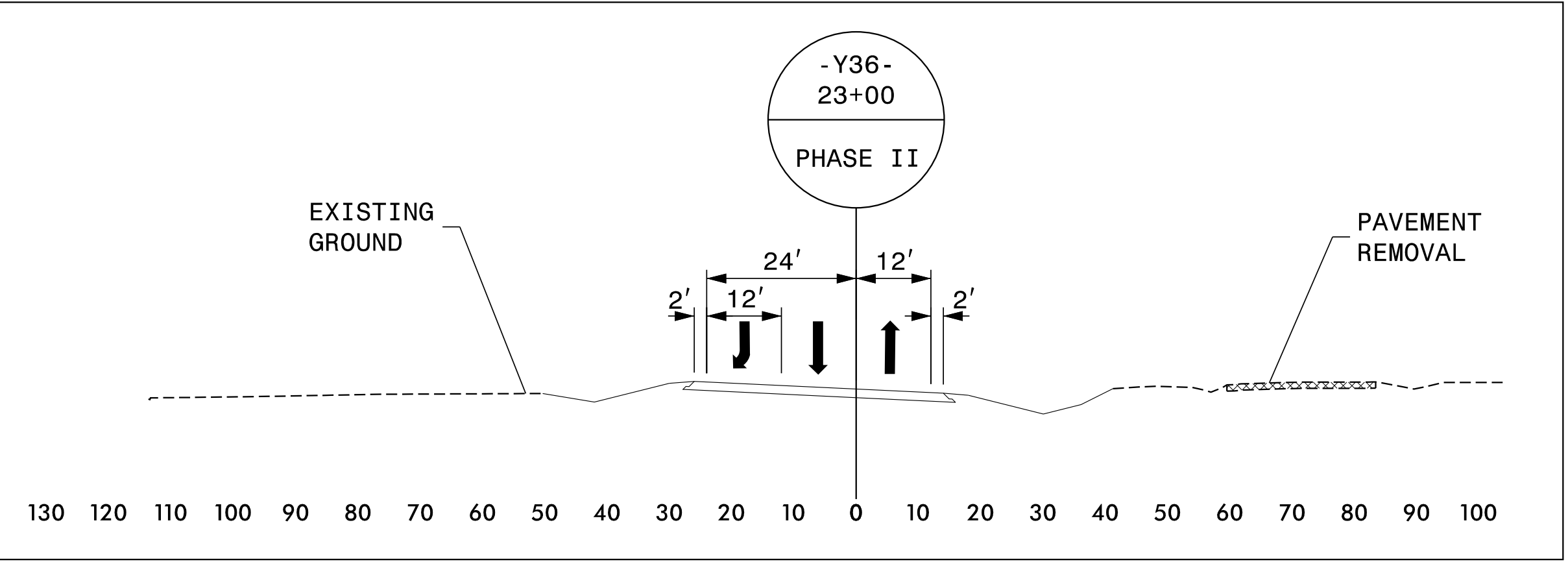
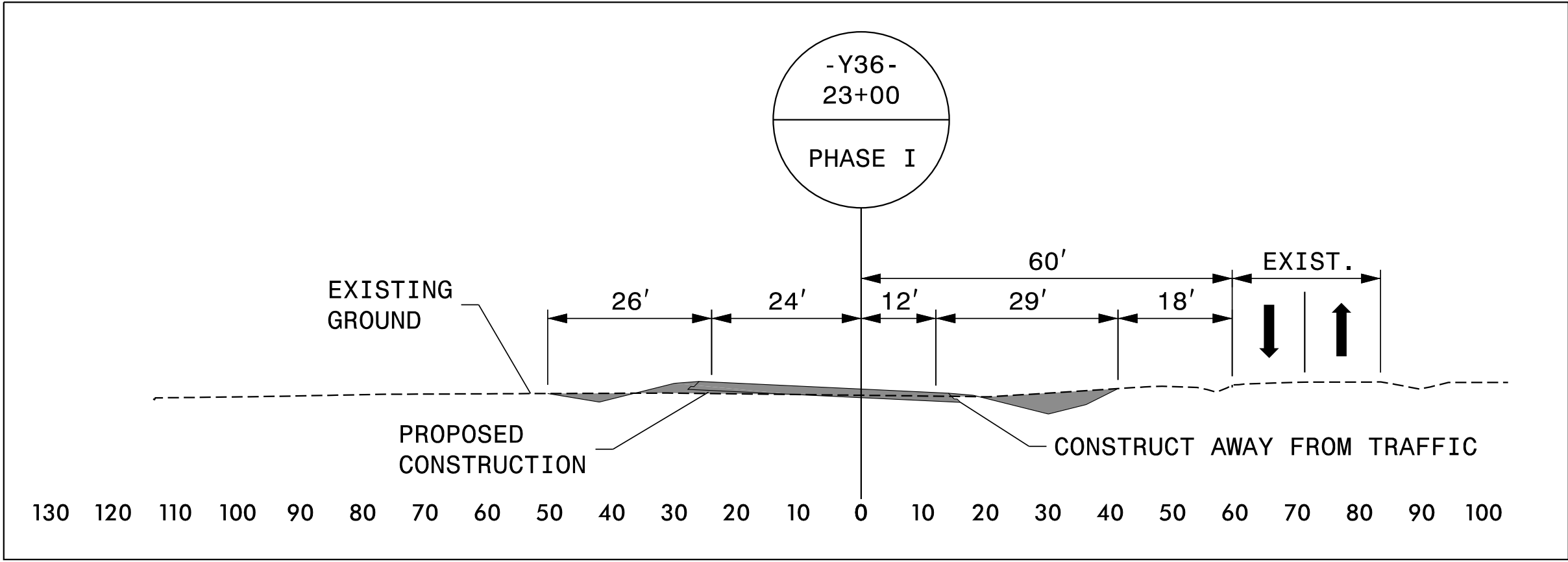
- Y) CONTRACTOR IS TO MAINTAIN PEDESTRIAN TRAFFIC AT ALL TIMES AND PROVIDE APPROPRIATE TRAFFIC CONTROL ACCORDING TO ADA COMPLIANCE AND AS REQUIRED BY THE ENGINEER.

LOCAL NOTES:

- EMERGENCY VEHICLE ACCESS MUST BE MAINTAINED AT ALL TIMES.
- NOTIFY THE CALDWELL COUNTY SCHOOL BOARD 30 DAYS BEFORE ANY LANE CLOSURES.

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PROJ. REFERENCE NO.	SHEET NO.
U-4700CC	TMP-2



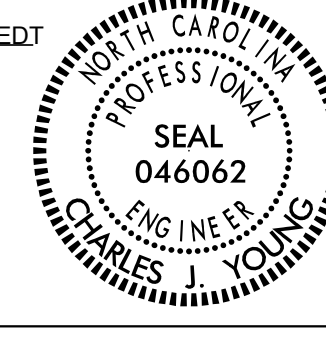
NOTE: ALL WORK SHALL BE DONE AWAY FROM TRAFFIC AND/OR DURING NIGHTLY LANE CLOSURES.

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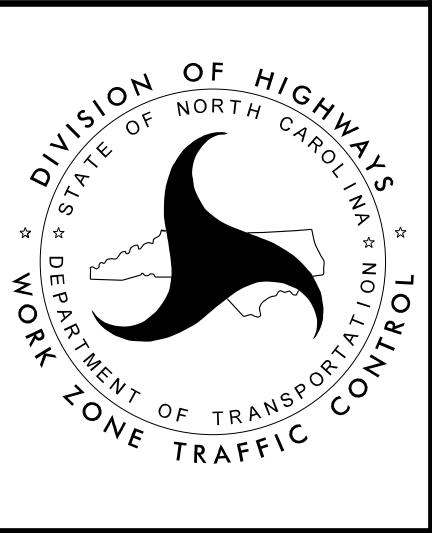
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TYPICAL
SECTIONS



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PROJ. REFERENCE NO.	SHEET NO.
U-4700CC	TMP-3

PHASING

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

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

PAVE PROPOSED CONSTRUCTION UP TO BUT NOT INCLUDING THE FINAL LAYER OF SURFACE COURSE, IN ALL PHASES UNTIL STATED TO INSTALL THE FINAL LAYER OF SURFACE COURSE.

PHASE I

STEP 1: ERECT WORK ZONE ADVANCED WARNING SIGNS USING ROADWAY STANDARD DRAWINGS NO. 1101.01, SHEETS 2 & 3 OF 3.

STEP 2: USING ROADWAY STANDARD DRAWINGS NO. 1101.02, SHEET 3 OF 19, NIGHTLY LANE CLOSURES AND FLAGGERS AS NECESSARY, and TMP-4 THRU TMP-5 CONTRUCT PROPOSED WIDENING AT THE FOLLOWING:

- -L- STA. 530+89 +/- RT TO -L- STA. 533+48 +/- RT
- -L- STA. 538+13 +/- RT TO -Y36- STA. 21+29 +/- RT
- -L- STA. 555+32 +/- LT TO -L- STA. 558+08 +/- LT

STEP 3: USING TMP-4 AND TMP-5 AWAY FROM TRAFFIC, CONSTRUCT THE FOLLOWING:

- -Y36- STA. 21+26 +/- TO -Y36- STA. 29+00 +/-
- -Y36- STA. 14+26 +/- RT TO -Y36- STA. 17+09 +/- RT
- -Y36- STA. 17+86 +/- RT TO -Y36- STA. 19+73 +/- RT

COMPLETE THE WORK OF PHASE I, STEPS 4 THRU 6 IN 5 CONSECUTIVE CALENDAR DAYS. SEE INTERMEDIATE CONTRACT TIME AND LIQUIDATED DAMAGES.

STEP 4: USING RSD NO. 1101.03 SHEETS 1 AND 2 OF 9 AND FLAGGERS AS NECESSARY, ERECT OFFSITE DETOUR SIGNS AND CLOSE -Y37- TO THROUGH TRAFFIC. (SEE SHEET TMP-7)

STEP 5: WHILE UTILIZING OFFSITE DETOUR, CONSTRUCT -Y37- SR 1192 (CEDAR VALLEY RD.) STA. 13+75 +/- TO -Y37- STA. 15+50 +/- AWAY FROM TRAFFIC. (SEE SHEET TMP-6)

STEP 6: USING FLAGGERS AS NECESSARY, REMOVE OFFSITE DETOUR SIGNING AND OPEN -Y37- BACK TO TRAFFIC.

PHASE II

NOTE: STEP 1 SHALL BE COMPLETED IN A CONTINUOUS OPERATION.

STEP 1: USING NARROW LANES AND ROADWAY STANDARD DRAWINGS NO. 1101.02, SHEETS 1,3 & 7 OF 19, AND FLAGGERS AS NECESSARY, PERFORM THE FOLLOWING (SEE SHEETS TMP-8 THRU TMP-10):

- MILL -L- US 321 (HICKORY BLVD.) FROM -L- STA. 529+39 +/- TO -L- STA. 530+89 +/- AND FROM -L- STA. 558+10 +/- TO -L- STA. 559+10 +/-.
- WIDEN AND/OR WEDGE (AND INSTALL DRAINAGE) ALONG -L- US 321 (HICKORY BLVD.) FROM -L- STA. 529+39 +/- TO -L- STA. 559+10 +/-, -Y36- SR 1108 (MISSION RD.) FROM -Y36- STA. 13+00 +/- TO -Y36- STA. 21+26 +/-, AND -Y36- SR 1108 (LOWER CEDAR VALLEY RD.) FROM -Y36- STA. 25+64 +/- TO -Y36- STA. 29+00 +/-.
- REMOVE EXISTING PAVEMENT AS NECESSARY, OR AS DIRECTED BY THE ENGINEER.
- PLACE TEMPORARY PAVEMENT MARKINGS (PAINT) AS SHOWN ON TMP 8 THRU TMP 10.

NOTE: MAINTAIN ORIGINAL TRAFFIC PATTERN AT THE END OF EACH WORK PERIOD UNTIL ALL OF PHASE II WORK IS COMPLETE.

PHASE III

STEP 1: USING NARROW LANES AND ROADWAY STANDARD DRAWINGS NO. 1101.02, SHEETS 1,3 & 7 OF 19, AND FLAGGERS AS NECESSARY, CONSTRUCT CONCRETE MONOLITHIC ISLANDS ALONG -L- US 321 (HICKORY BLVD.), AND -Y36- SR 1108 (MISSION RD. AND LOWER CEDAR VALLEY RD.), AND COMPLETE CONCRETE MEDIAN DRAINAGE INSTALLATION (SEE SHEETS TMP-11 THRU TMP-13).

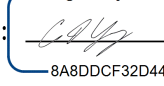
NOTE: UTILIZE SKINNY DRUMS TO DESIGNATE PROPOSED CONCRETE MONOLITHIC ISLANDS UNTIL CONSTRUCTION IS COMPLETE.

STEP 2: USING NARROW LANES AND ROADWAY STANDARD DRAWINGS NO. 1101.02, SHEETS 1,3 & 7 OF 19, AND FLAGGERS AS NECESSARY, PLACE FINAL LAYER OF SURFACE COURSE AND TEMPORARY PAVEMENT MARKINGS AND MARKERS IN THE FINAL PATTERN AND SHIFT TRAFFIC TO FINAL TRAFFIC PATTERNS (SEE SHEETS TMP-11 THRU TMP-13 AND FINAL PAVEMENT MARKING PLANS).

NOTE: PLACE SKINNY DRUMS ALONG OUTSIDE EDGE OF CONCRETE ISLANDS AT THE END OF EACH WORK PERIOD, WHEN LANE CLOSURES ARE NO LONGER IN EFFECT.

STEP 3: REMOVE ALL TRAFFIC CONTROL DEVICES.

APPROVED:

Signed by: 

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DATE: 8/17/2025 11:24:59 AM EDT

SEAL

SEAL

046062

ENGINEER

CHARLES J. YOUNG

PROFESSIONAL

SEAL

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ENGINEER

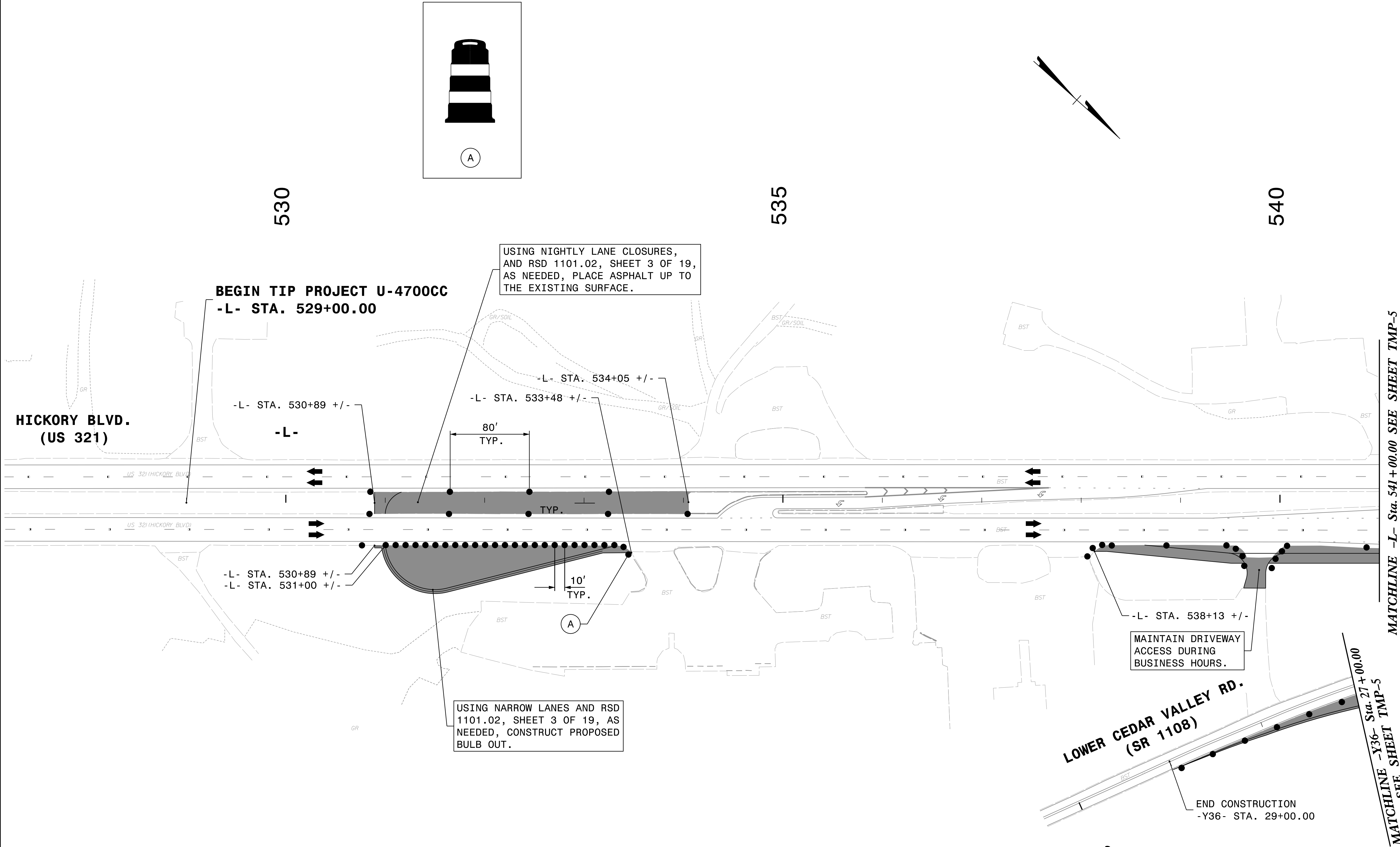
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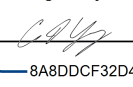
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CONTROL PHASING

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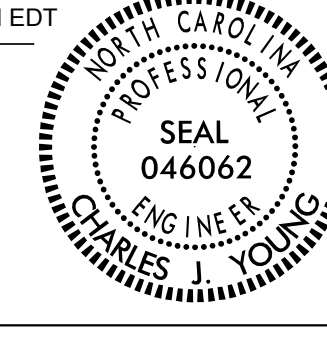


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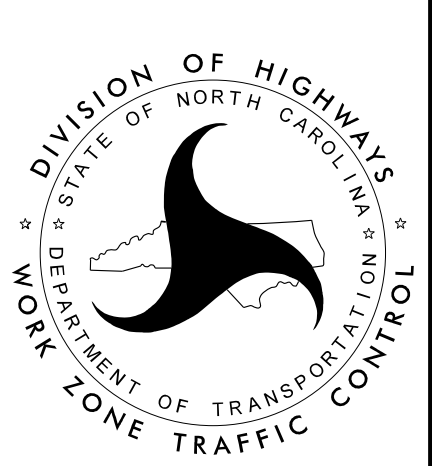
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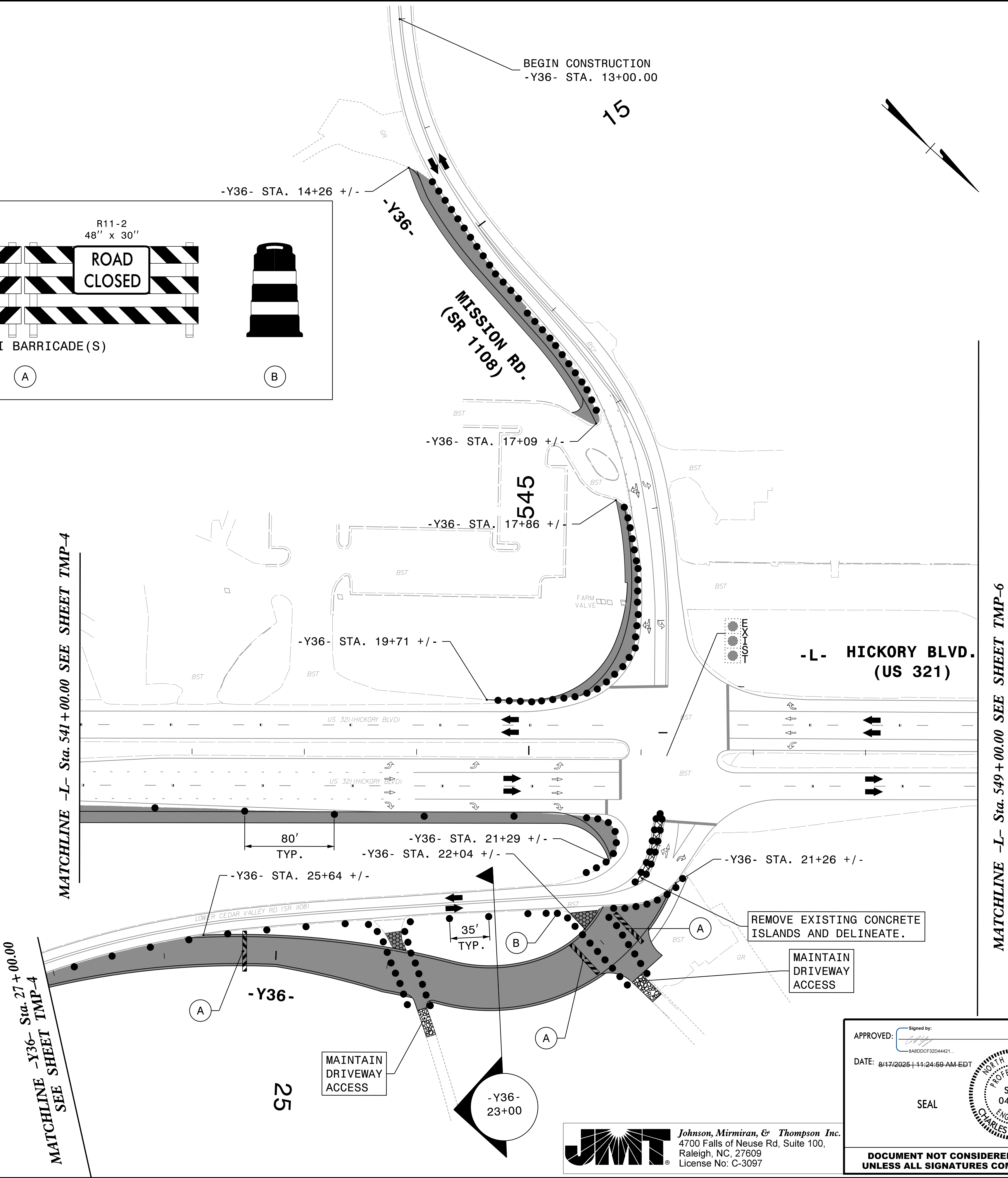
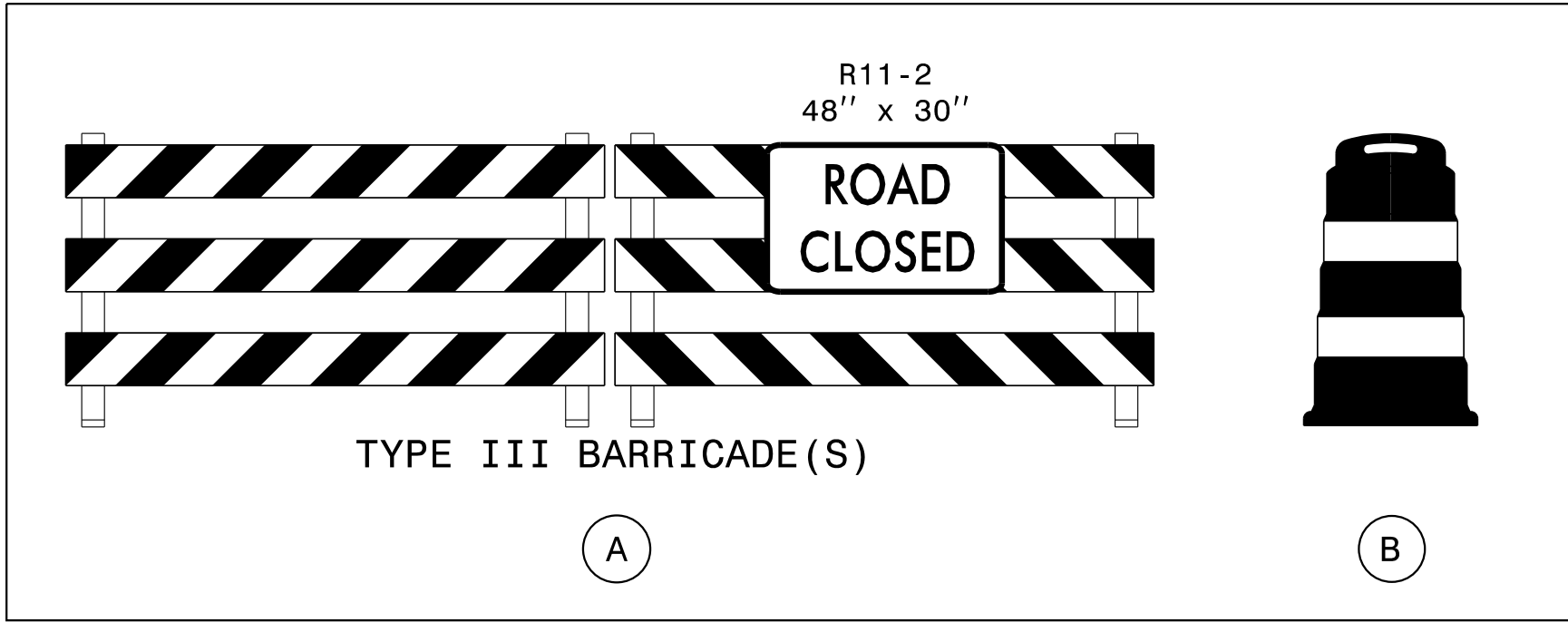


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CONTROL PHASE I
DETAIL

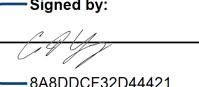
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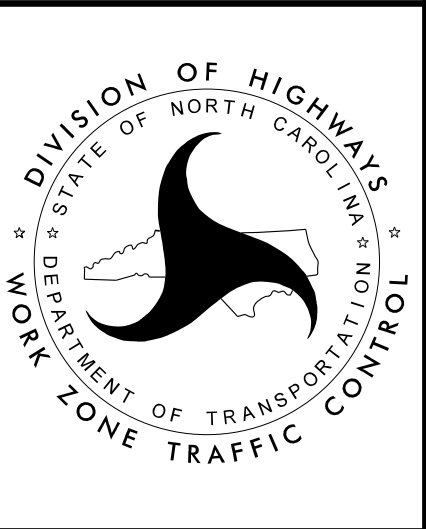
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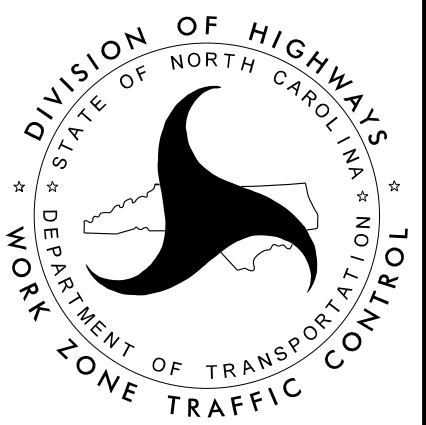
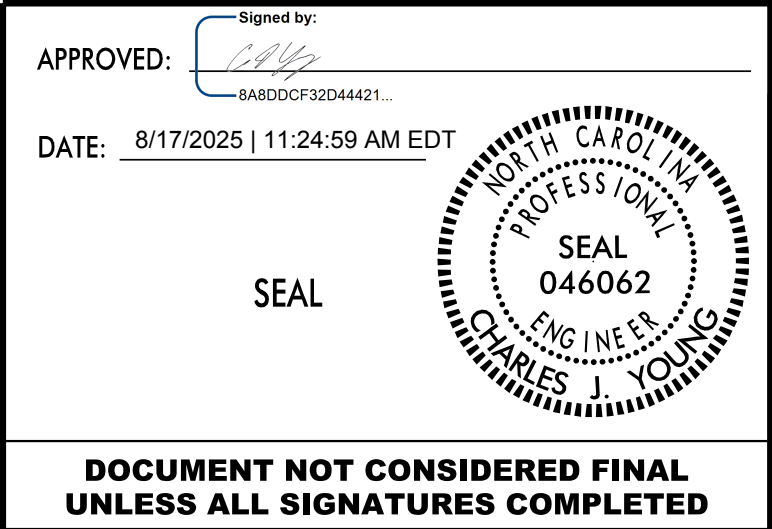
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TEMPORARY TRAFFIC
CONTROL PHASE I
DETAIL

Diagram illustrating three types of Type III Barricade (S) configurations:

- (A) TYPE III BARRICADE(S): A single barricade with a "ROAD CLOSED" sign. Dimensions: R11-2, 48" x 30".
- (B) TYPE III BARRICADE: A single barricade.
- (C) TYPE III BARRICADE: A barricade with a "ROAD CLOSED" sign and a "DETOUR" sign with an arrow. Dimensions: R11-2, 48" x 30"; M4-10L, 48" x 18".

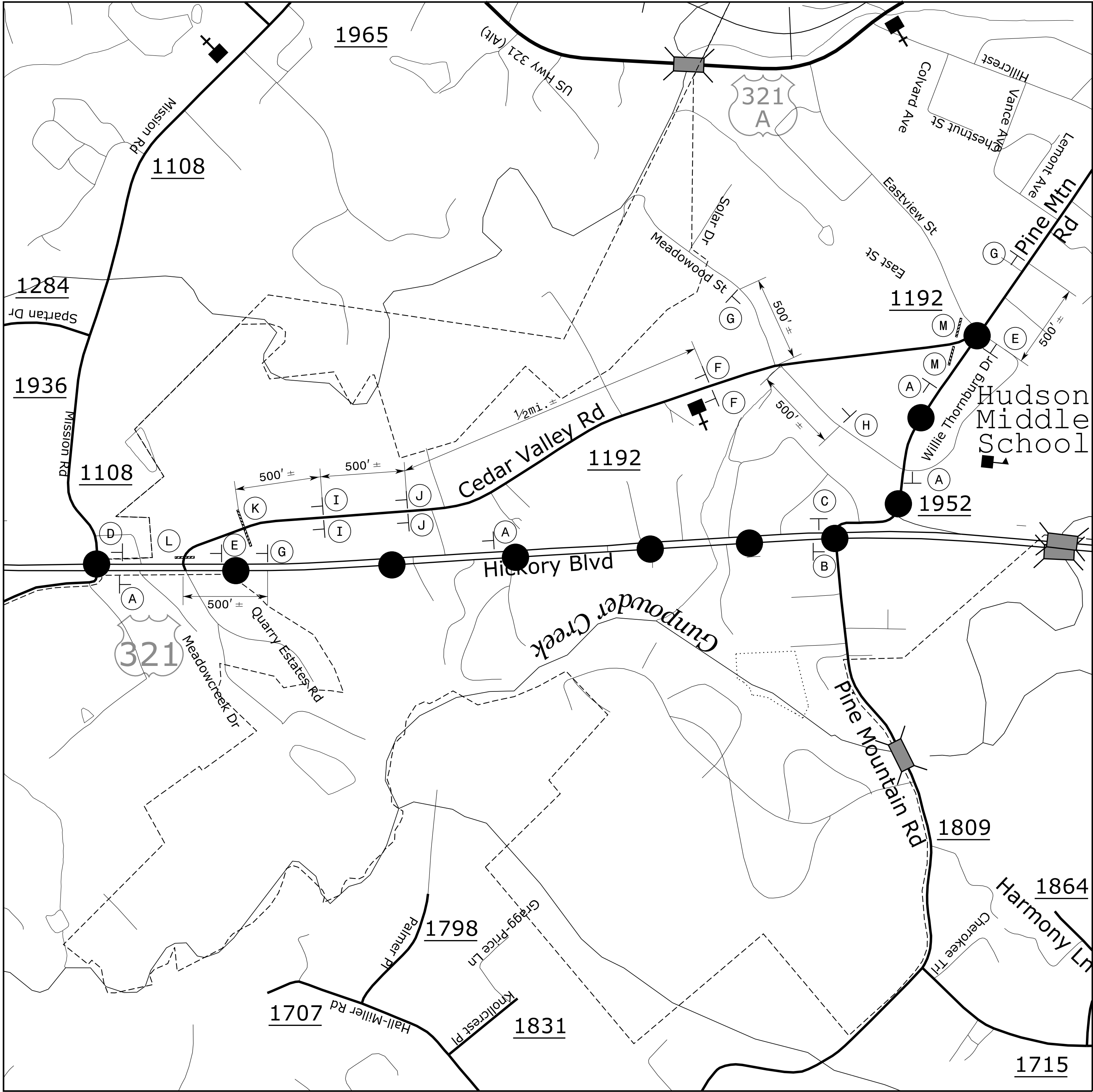


TEMPORARY TRAFFIC CONTROL PHASE I DETAIL



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● — ● — ● — ● — DETOUR ROUTE

DETOUR

M4-8
24" x 12"

CEDAR VALLEY ROAD

SP-1
30" x 30"

M6-3
21" x 15"

A

DETOUR

M4-8
24" x 12"

CEDAR VALLEY ROAD

SP-1
30" x 30"

M6-1
21" x 15"

B

DETOUR

M4-8
24" x 12"

CEDAR VALLEY ROAD

SP-1
30" x 30"

M6-1
21" x 15"

C

DETOUR

M4-8
24" x 12"

CEDAR VALLEY ROAD

SP-1
30" x 30"

R3-4 MODIFIED
24" x 24"

D

END
DETOUR

M4-8 A
24" x 18"

CEDAR VALLEY ROAD

SP-1
30" x 30"

E

ROAD
CLOSED
AHEAD

W20-3
48" x 48"

F

ROAD
CLOSED
AHEAD

W20-3
48" x 48"

NEXT RIGHT

SP-4R
42" x 12"

G

ROAD
CLOSED
AHEAD

W20-3
48" x 48"

NEXT LEFT

SP-4L
42" x 12"

H

ROAD
CLOSED
500 FT

W20-3
48" x 48"

I

ROAD
CLOSED
1000 FT

W20-3
48" x 48"

J

R11-2
48" x 30"

ROAD
CLOSED

TYPE III BARRICADE(S)

K

R11-2
48" x 30"

ROAD
CLOSED

DETOUR

M4-10R
48" x 18"

TYPE III BARRICADE

L

R11-3
60" x 30"

ROAD CLOSED
1 MILE AHEAD
LOCAL TRAFFIC ONLY

DETOUR

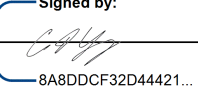
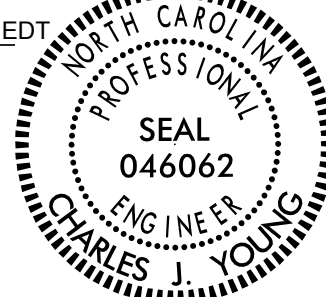
M4-10L
48" x 18"

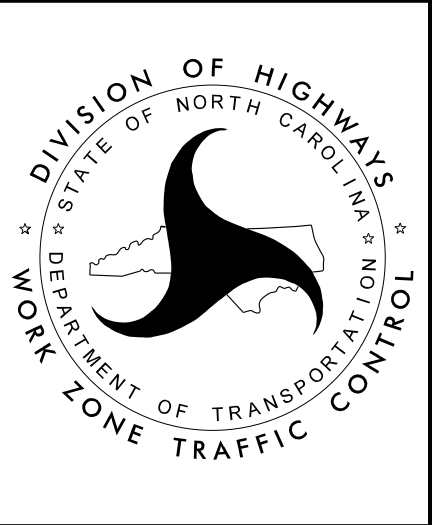
TYPE III BARRICADE

M

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PHASE 1
OFFSITE DETOUR

Signed by: _____
APPROVED: _____

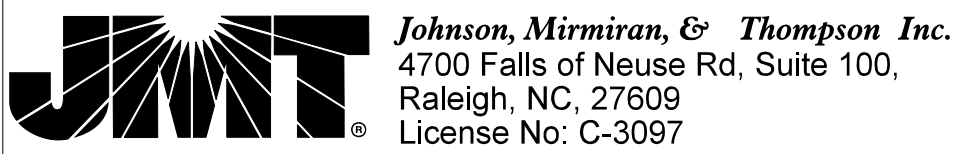
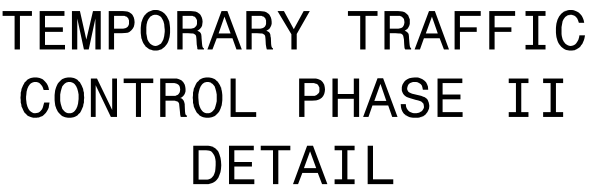
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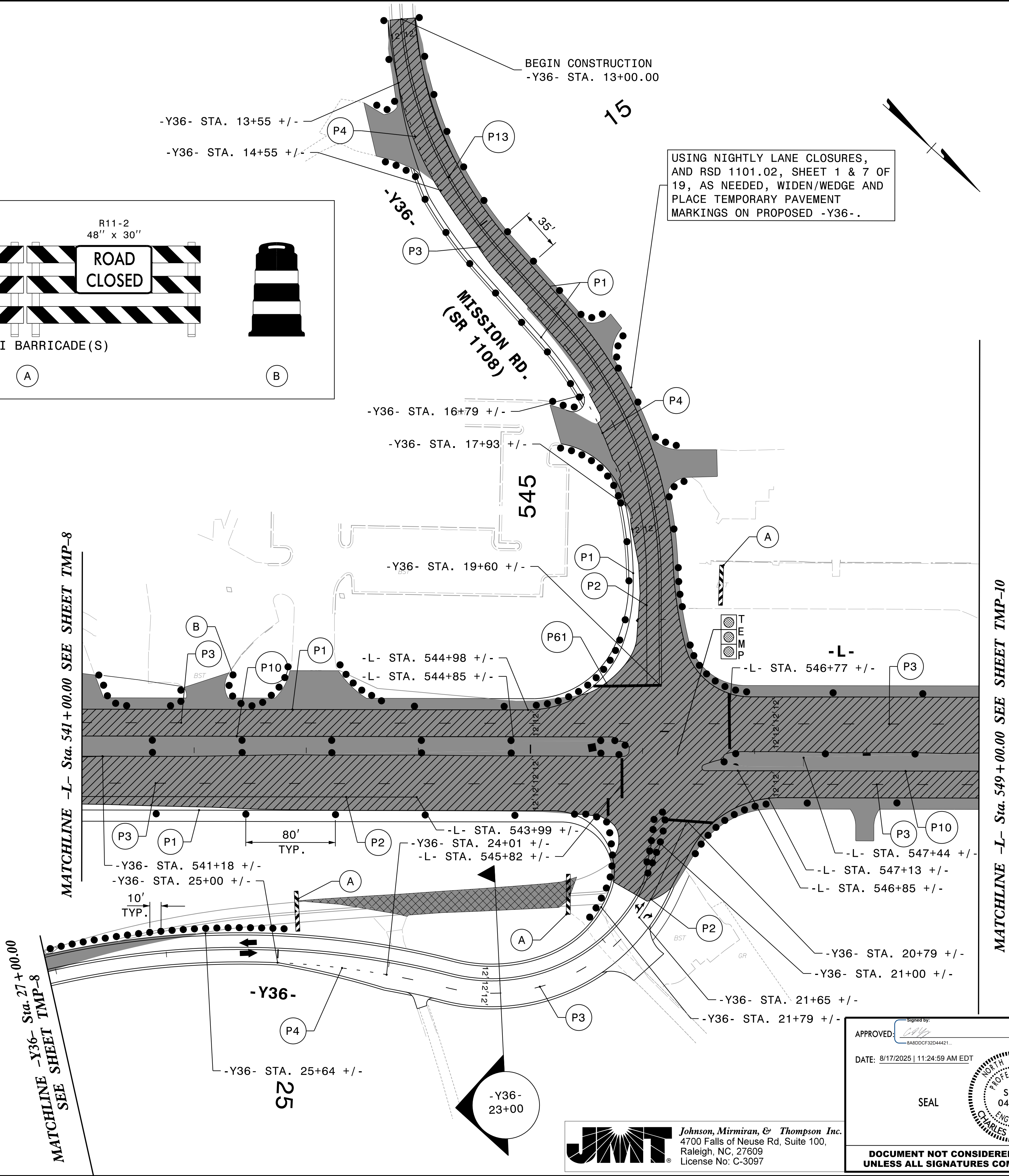
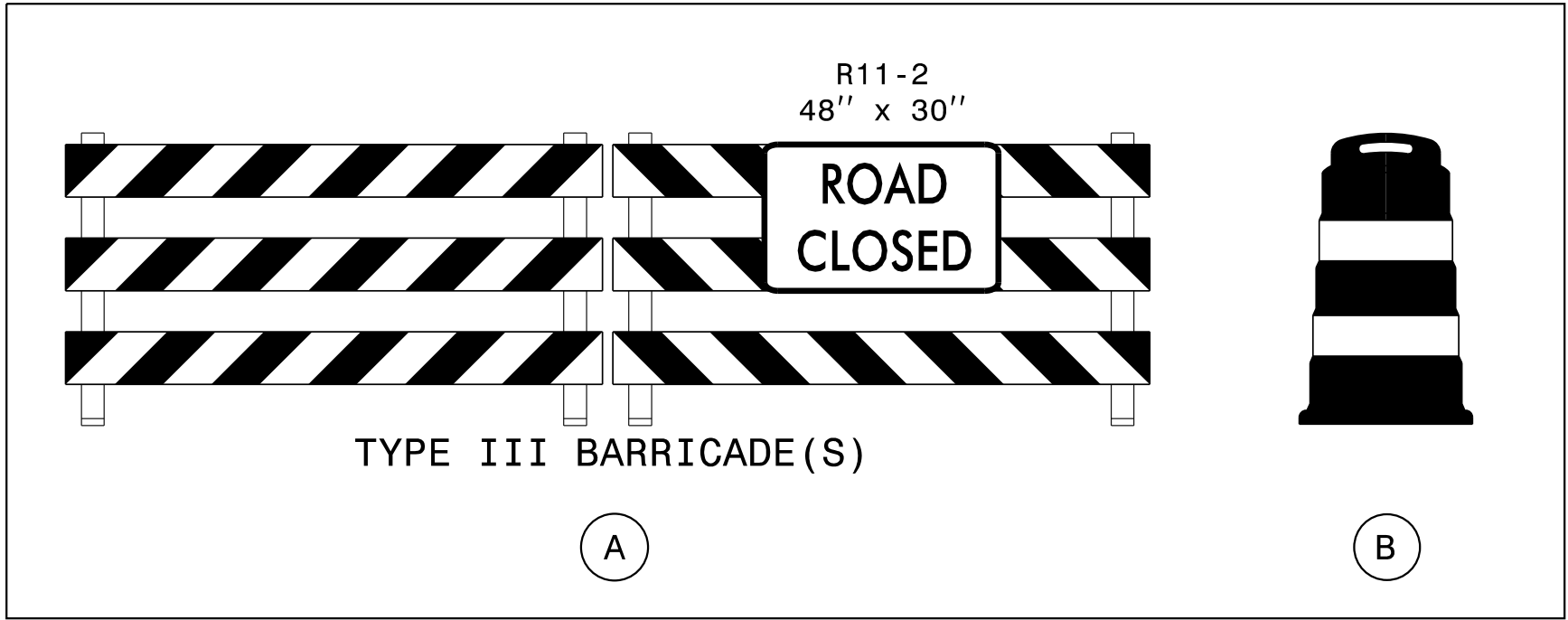
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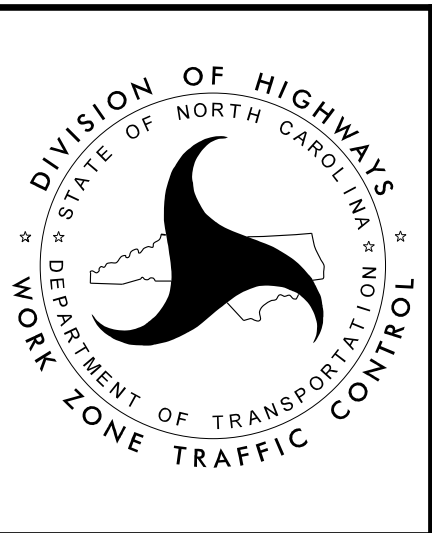
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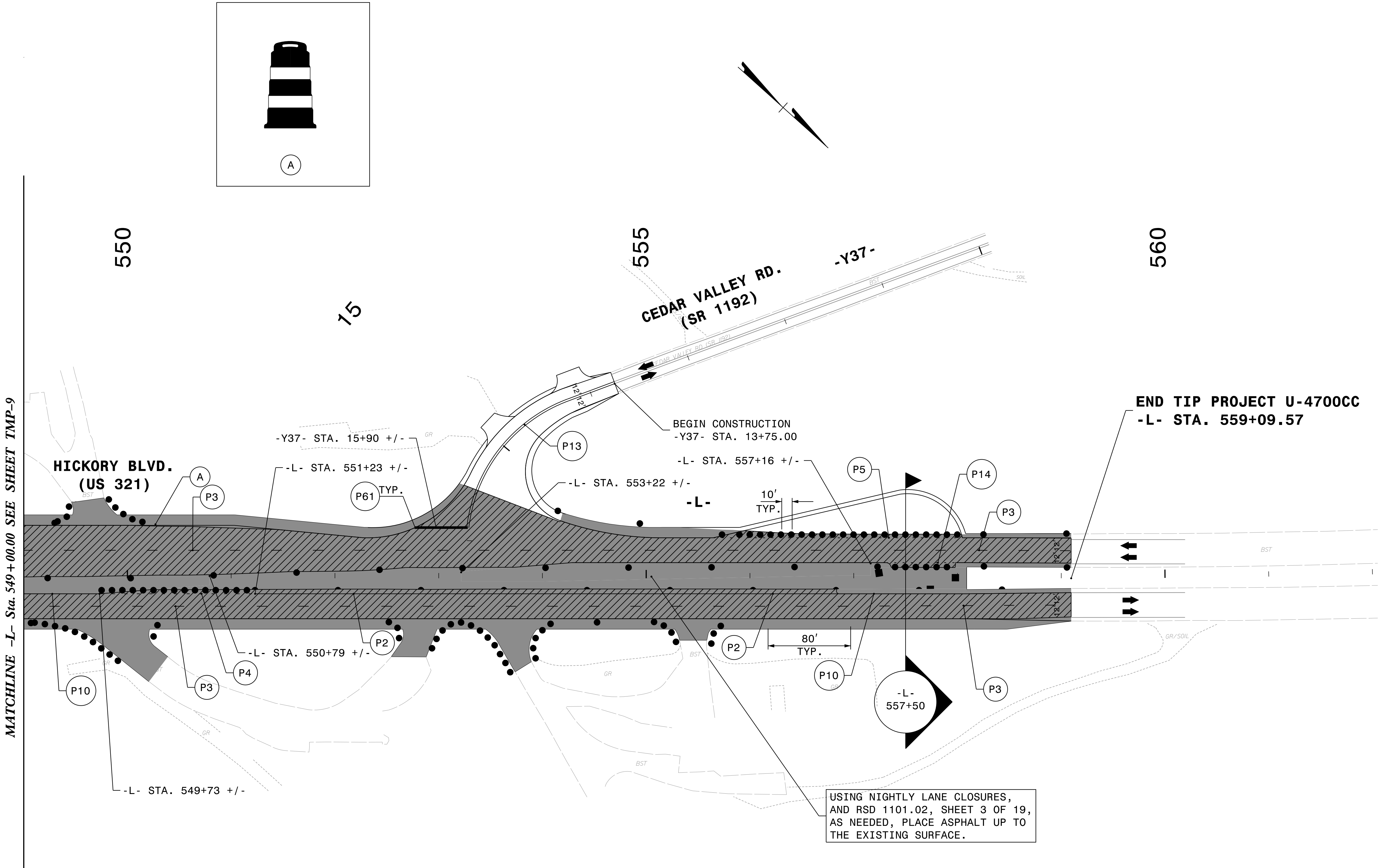
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TEMPORARY TRAFFIC
CONTROL PHASE II
DETAIL

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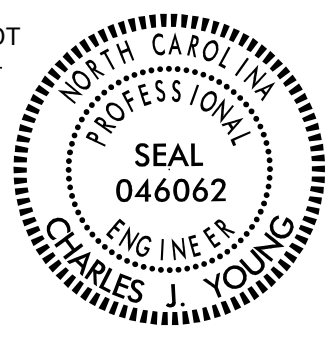


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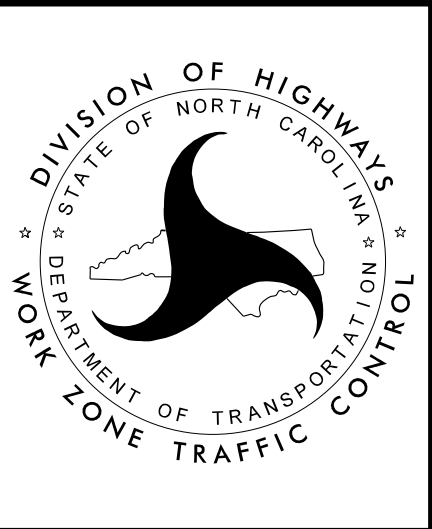
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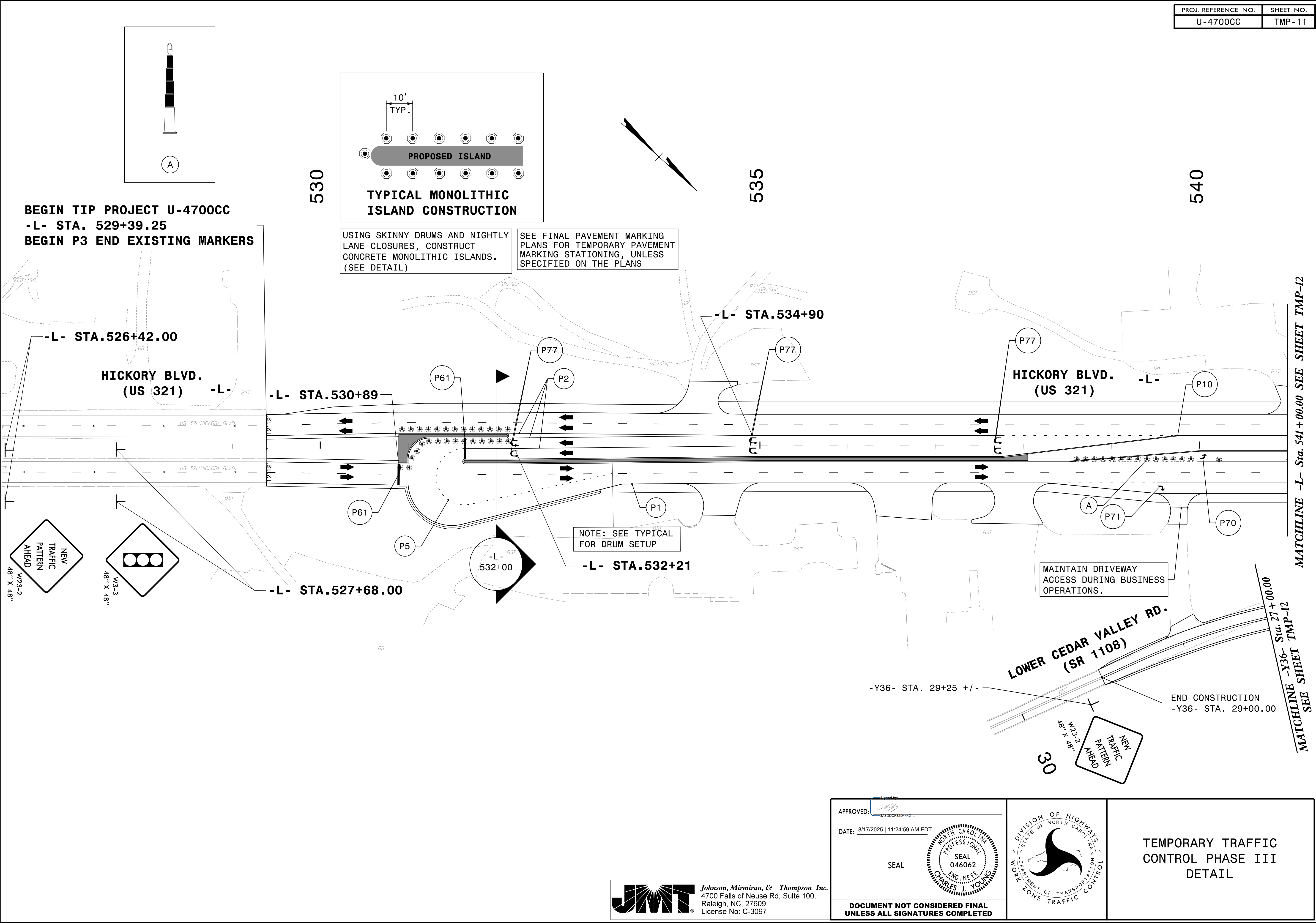


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TEMPORARY TRAFFIC
CONTROL PHASE II
DETAIL

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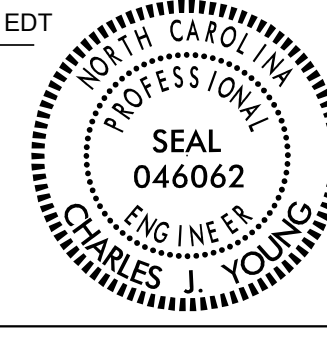


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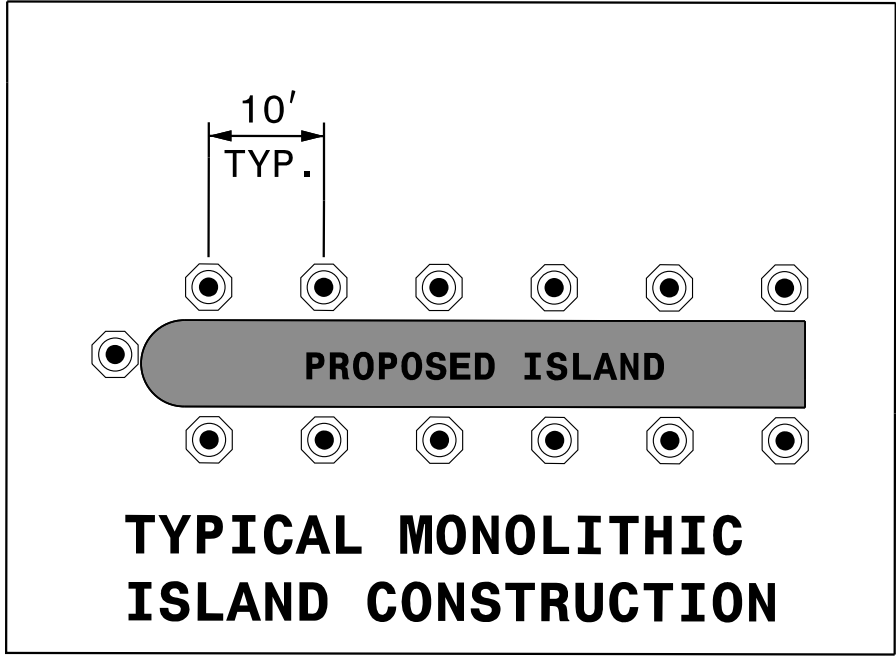
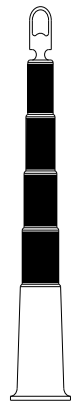
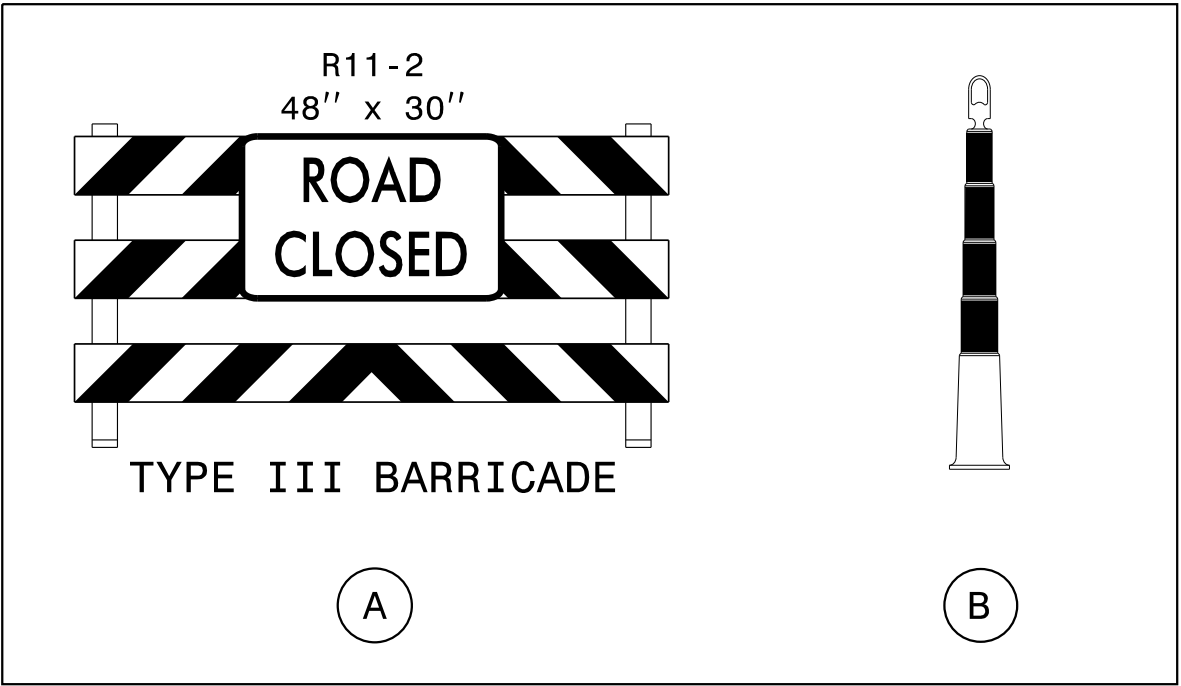
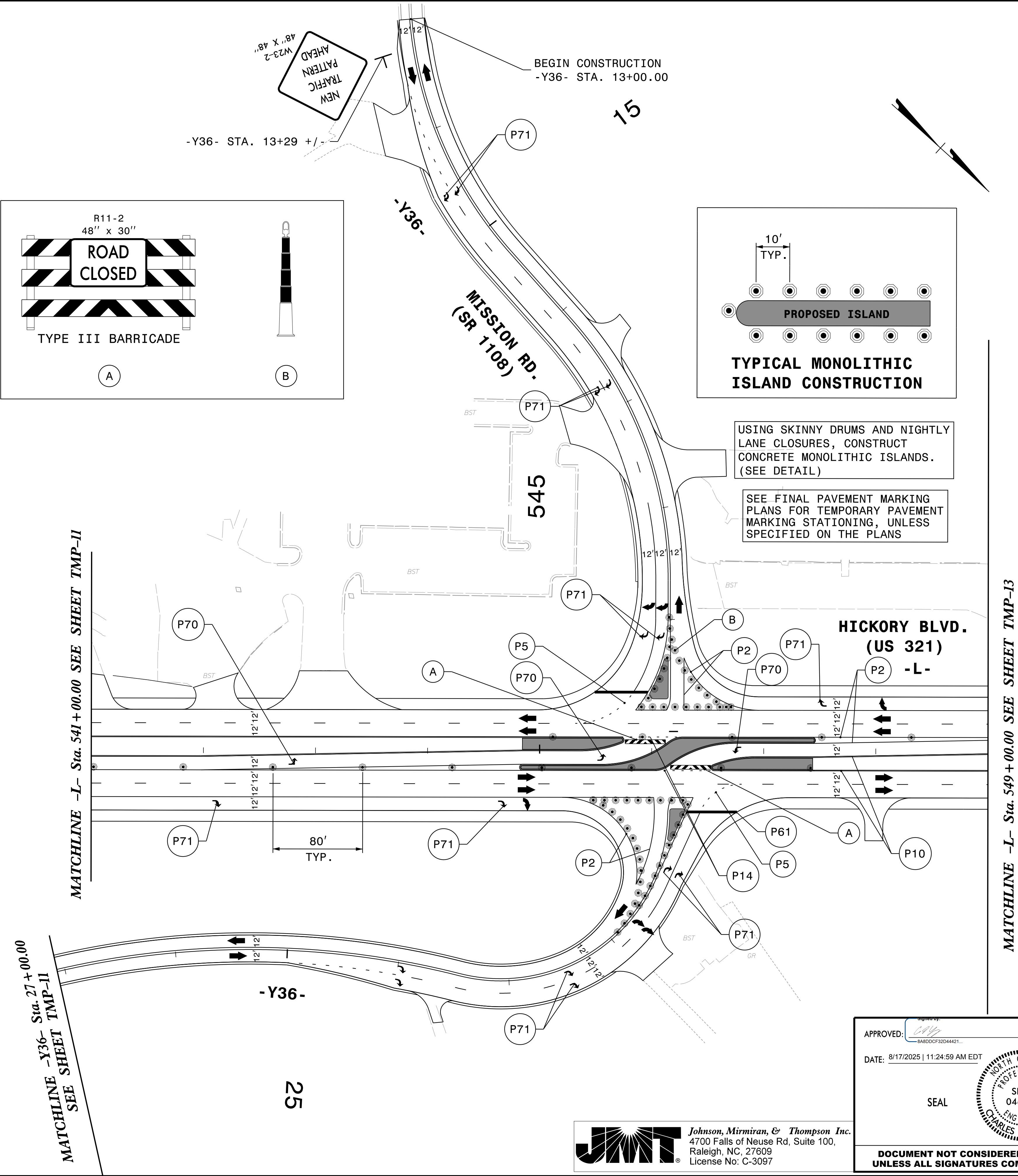


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**DEPARTMENT OF TRANSPORTATION**
WORK ZONE TRAFFIC CONTROL

**TEMPORARY TRAFFIC
CONTROL PHASE III
DETAIL**

PROJ. REFERENCE NO.	SHEET NO.
U-4700CC	TMP-12



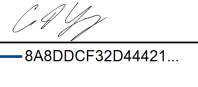
USING SKINNY DRUMS AND NIGHTLY LANE CLOSURES, CONSTRUCT CONCRETE MONOLITHIC ISLANDS. (SEE DETAIL)

SEE FINAL PAVEMENT MARKING PLANS FOR TEMPORARY PAVEMENT MARKING STATIONING, UNLESS SPECIFIED ON THE PLANS

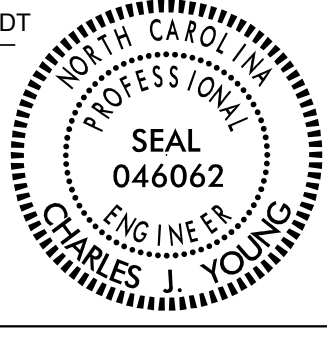
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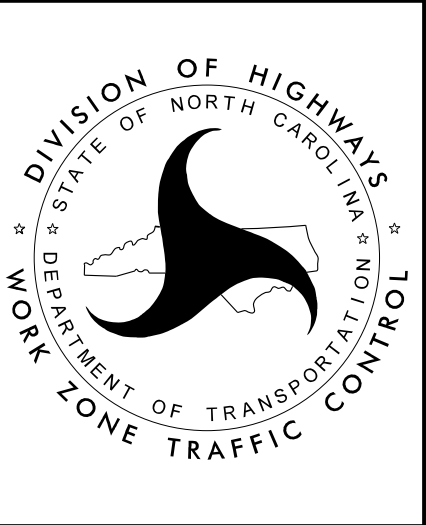
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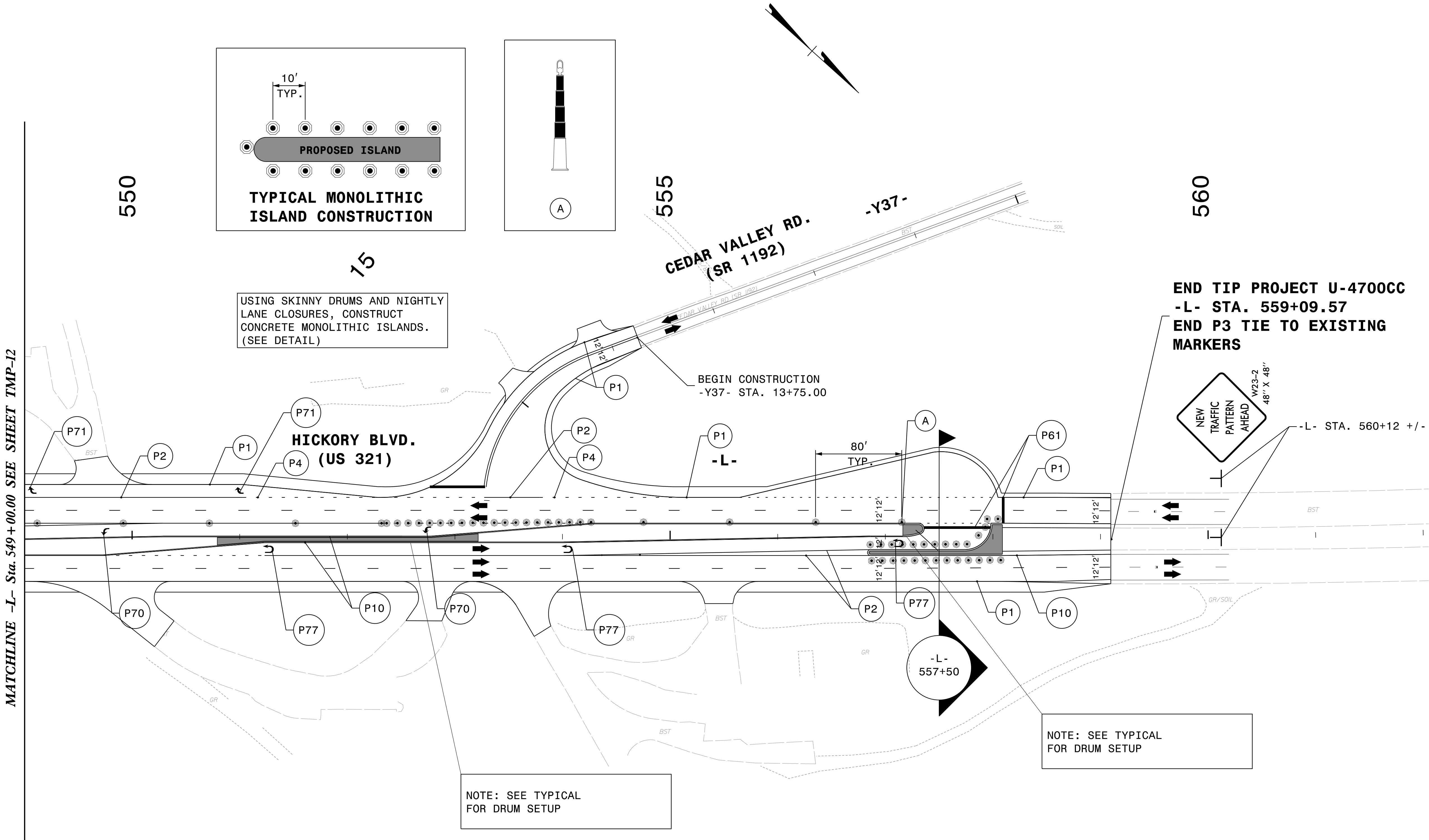


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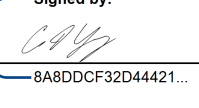
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CONTROL PHASE III
DETAIL

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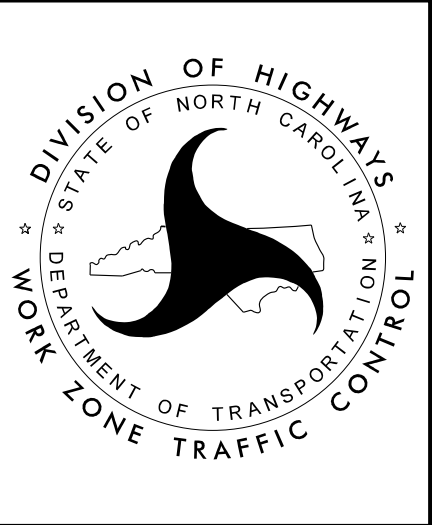
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DETAIL**