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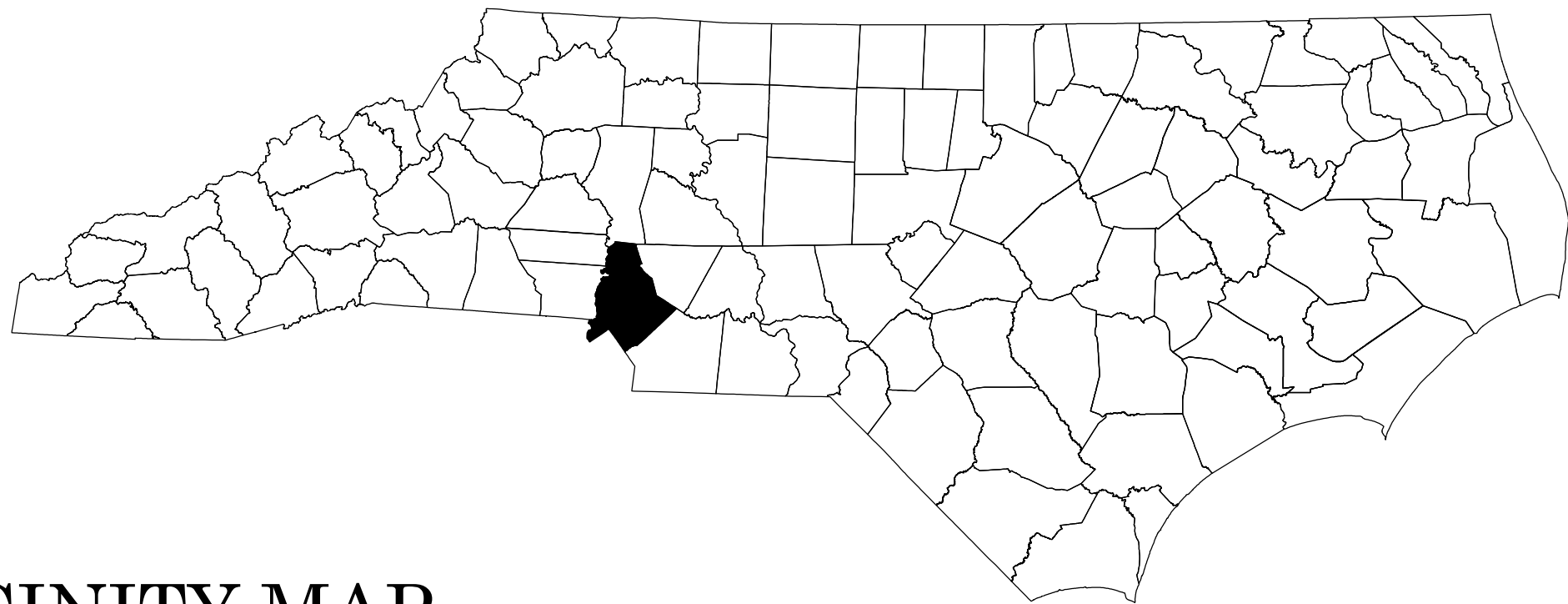
TIP PROJECT: U-4913A

CONTRACT: C205039

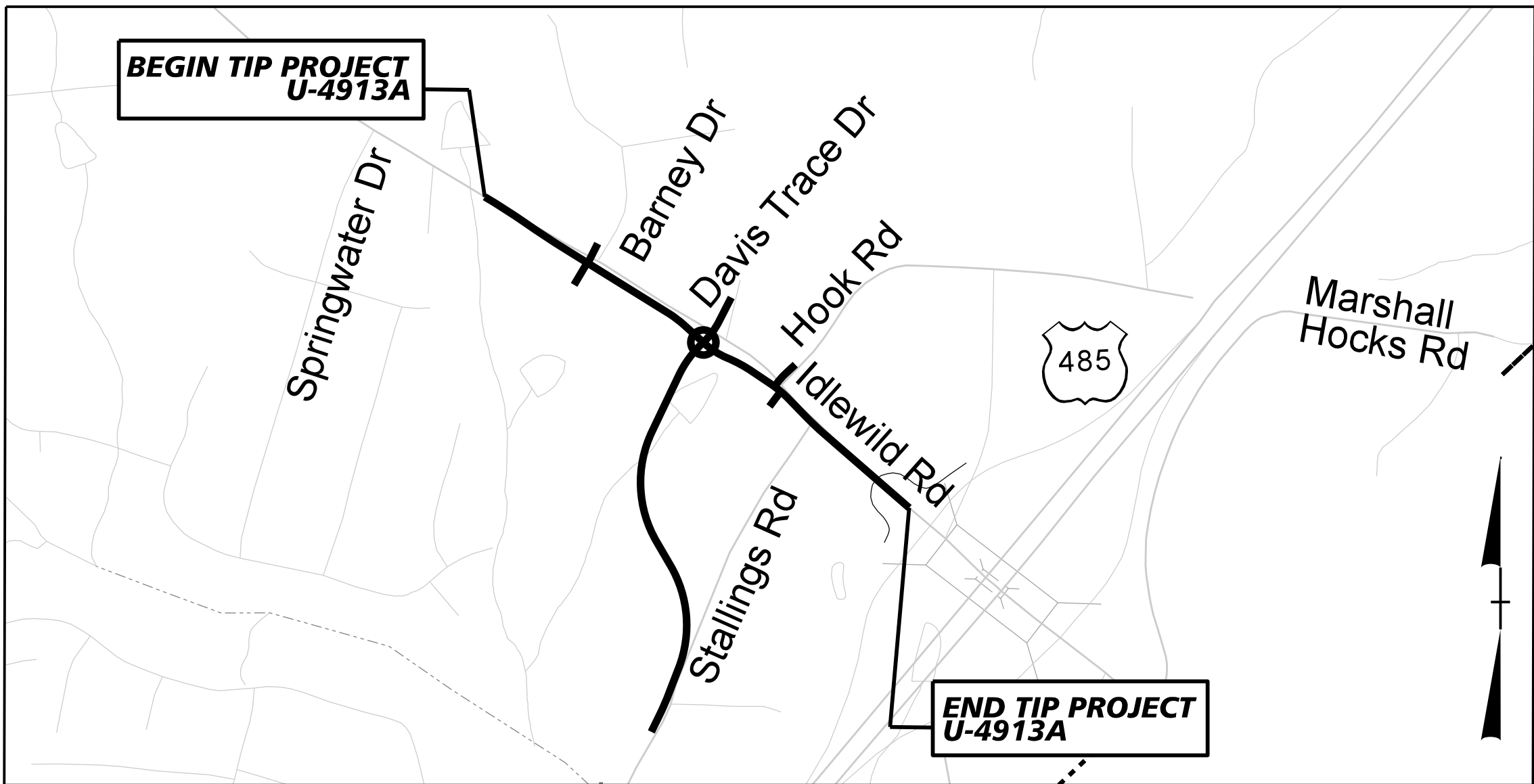
STATE OF NORTH CAROLINA  
DIVISION OF HIGHWAYS

TRANSPORTATION MANAGEMENT PLAN  
MECKLENBURG COUNTY

LOCATION: *IDLEWILD ROAD FROM BARNEY DRIVE AREA TO  
GOVERNOR JAMES G. MARTIN FREEWAY (I-485)*



VICINITY MAP



**INDEX OF SHEETS**

<u>SHEET NO.</u>	<u>TITLE</u>
TMP-1	TITLE SHEET, AND INDEX OF SHEETS
TMP-1A THRU TMP-1C	LIST OF APPLICABLE ROADWAY STANDARD DRAWINGS, LEGEND, TEMPORARY PAVEMENT MARKINGS, MANAGEMENT STRATEGIES, AND GENERAL NOTES
TMP-2 THRU TMP-2A	TEMPORARY DETOUR ROUTES
TMP-4 THRU TMP-13	PHASE 1 DETAILS
TMP-9 THRU TMP-11	PHASE 2 DETAILS
TMP-12 THRU TMP-13	PHASE 3 DETAILS

DOCUMENT NOT CONSIDERED FINAL  
UNLESS ALL SIGNATURES COMPLETED

**WORK ZONE SAFETY & MOBILITY**

*"from the MOUNTAINS to the COAST"*

**N.C.D.O.T. CONTACTS:**

\_\_\_\_\_  
TRAVIS PRESLAR, P.E.

**DM-STIP PROJECT MANAGER**

\_\_\_\_\_  
RANDY BOWERS

**ASSISTANT DM-STIP PROJECT MANAGER**



**PLAN PREPARED BY: KIMLEY-HORN AND ASSOCIATES, INC.**

FRANK MASTERSON, P.E.	<b>PROJECT DESIGN ENGINEER</b>
ANDREW WEEKS, E.I.	<b>DESIGNER</b>
FRANK MASTERSON, P.E.	<b>TRAFFIC CONTROL PROJECT ENGINEER</b>
ANDREW WEEKS, E.I.	<b>TRAFFIC CONTROL PROJECT DESIGN ENGINEER</b>
DAVID MANG	<b>TRAFFIC CONTROL DESIGN TECHNICIAN</b>

SEAL

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*Frank Masterson*  
7/9/2025

**Kimley»Horn**

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
1101.11	TRAFFIC CONTROL DESIGN TABLES
1110.01	STATIONARY WORK ZONE SIGNS
1110.02	PORTABLE WORK ZONE SIGNS
1180.01	SKINNY DRUMS
1130.01	DRUMS
1135.01	CONES
1145.01	BARRICADES
1150.01	FLAGGERS
1165.01	TRUCK MOUNTED ATTENUATOR
1170.01	PORTABLE CONCRETE BARRIERS
1205.01	PAVEMENT MARKINGS - LINE TYPES AND OFFSETS
1205.02	PAVEMENT MARKINGS - TWO-LANE AND MULTI-LANE ROADWAYS
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
1205.13	PAVEMENT MARKINGS - LANE REDUCTIONS
1205.13	PAVEMENT MARKINGS - ROUNDABOUTS

LEGEND

GENERAL

DIRECTION OF TRAFFIC FLOW

DIRECTION OF PEDESTRIAN TRAFFIC FLOW

EXIST. PVMT.

NORTH ARROW

PROPOSED PVMT.

TEMP. SHORING (LOCATION PURPOSES ONLY)

WORK AREA

WEDGING

REMOVAL

SIGNALS

EXISTING

PROPOSED

TEMP

PAVEMENT MARKINGS

EXISTING LINES

TEMPORARY LINES

TRAFFIC CONTROL DEVICES

BARRICADE (TYPE III)

CONE

TUBULAR MARKER

DRUM

SKINNY DRUM

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

STRAIGHT AHEAD

LEFT TURN

RIGHT TURN

YIELD

STOP

OTHER SYMBOLS

TEMPORARY PAVEMENT MARKINGS

PAVEMENT MARKING LINES

P1 - PAINT (4" WHITE, 2X)	EDGELINE
P2 - PAINT (4" WHITE, 2X)	SOLID LANE LINE
P3 - PAINT (4" WHITE, 2X)	10' SKIP
P4 - PAINT (4" WHITE, 2X)	3' - 9'/SP MINISKIP
P5 - PAINT (4" WHITE, 2X)	2' - 6'/SP MINISKIP
P10 - PAINT (4" YELLOW, 2X)	EDGELINE
P11 - PAINT (4" YELLOW, 2X)	SINGLE CENTER LINE
P12 - PAINT (4" YELLOW, 2X)	10' SKIP
P13 - PAINT (4" YELLOW, 2X)	DOUBLE CENTER LINE
P14 - PAINT (4" YELLOW, 2X)	2' - 6'/SP MINISKIP
P55 - PAINT (12" WHITE, 2X)	3 FT. - 3 FT./SP MINISKIP
P61 - PAINT (24" WHITE, 2X)	STOP BAR

PAVEMENT MARKING SYMBOLS

P70 - PAINT 2X (LEFT TURN ARROW)
P71 - PAINT 2X (RIGHT TURN ARROW)
P72 - PAINT 2X (STRAIGHT ARROW)
P73 - PAINT 2X (COMBINATION STRAIGHT & LEFT TURN ARROW)
P74 - PAINT 2X (COMBINATION STRAIGHT & RIGHT TURN ARROW)
P76 - PAINT 2X (COMBINATION STRAIGHT, RIGHT, & LEFT TURN ARROW)
P100 - PAINT 2X (ALPHANUMERIC CHARACTER)
P103 - PAINT 2X (24" YIELD LINE TRIANGLE)
P117 - PAINT 2X (FISH-HOOK W/CIRCLE LEFT/STRAIGHT ARROW)
P118 - PAINT 2X (FISH-HOOK W/CIRCLE LEFT/RIGHT/STRAIGHT ARROW)

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*Frank Masterson*  
7/8/2025 P.E.  
SIGNATURE:

Kimley»Horn

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

ROADWAY  
STANDARD  
DRAWINGS &  
LEGEND



## MANAGEMENT STRATEGIES

PROPOSED IMPROVEMENTS ALONG -L- BAILEY ROAD EXTENSION, -L- SR 2415 EXISTING BAILEY ROAD, -Y2- SR 2415 EXISTING BAILEY ROAD, -Y3- POOLE PLACE DRIVE AND -Y4- PSALMS STREET WILL BE CONSTRUCTED WHILE MAINTAINING TRAFFIC AND USING TEMPORARY TRAFFIC PATTERNS WITH TEMPORARY ROAD CLOSURES AND TEMPORARY LANE CLOSURES.

## 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 UNDESIREED 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
IDLEWILD ROAD BARNEY DRIVE STALLINGS ROAD DAVIS TRACE DRIVE HOOKS ROAD	6:00 AM TO 9:00 AM 4:00 PM TO 7:00 PM MONDAY THRU FRIDAY

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

ROAD NAME
IDLEWILD ROAD BARNEY DRIVE STALLINGS ROAD DAVIS TRACE DRIVE HOOKS 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 31<sup>st</sup> 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.

### TIME RESTRICTIONS (CONT.)

7. FOR THANKSGIVING DAY, BETWEEN THE HOURS OF 6:00 A.M. TUESDAY TO 9:00 P.M. MONDAY.

8. 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.

C) DO NOT CLOSE ROADS AS FOLLOWS:

ROAD NAME	DAY AND TIME RESTRICTIONS
IDLEWILD ROAD BARNEY DRIVE STALLINGS ROAD DAVIS TRACE DRIVE HOOKS ROAD	ANYTIME UNLESS OTHERWISE DIRECTED BY THE ENGINEER

D) DO NOT STOP TRAFFIC AS FOLLOWS, OR AS OTHERWISE DIRECTED BY THE ENGINEER:

ROAD NAME	DAY AND TIME RESTRICTIONS	DURATION AND OPERATION
IDLEWILD ROAD BARNEY DRIVE STALLINGS ROAD DAVIS TRACE DRIVE HOOKS ROAD	6:00 AM TO 9:00 AM 4:00 PM TO 7:00 PM MONDAY THRU FRIDAY	15 MINUTES FOR MEDIAN INSTALLATION AND 30 MINUTES FOR SIGNAL INSTALLATION

E) 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

F) 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.

G) 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.

H) WHEN PERSONNEL AND/OR EQUIPMENT ARE WORKING WITHIN 5 FT OF AN OPEN TRAVEL LANE ON AN UNDIVIDED FACILITY, CLOSE THE NEAREST OPEN TRAVEL LANE USING ROADWAY STANDARD DRAWING NO. 1101.02 UNLESS THE WORK AREA IS PROTECTED BY BARRIER OR GUARDRAIL.

WHEN PERSONNEL AND/OR EQUIPMENT ARE WORKING WITHIN 10 FT OF AN OPEN TRAVEL LANE ON A DIVIDED FACILITY, CLOSE THE NEAREST OPEN TRAVEL LANE USING ROADWAY STANDARD DRAWING NO. 1101.02 UNLESS THE WORK AREA IS PROTECTED BY BARRIER OR GUARDRAIL.

I) DO NOT WORK SIMULTANEOUSLY WITHIN 15 FT ON BOTH SIDES OF AN OPEN TRAVELWAY, RAMP, OR LOOP WITHIN THE SAME LOCATION UNLESS PROTECTED WITH GUARDRAIL OR BARRIER.

### PAVEMENT EDGE DROP OFF REQUIREMENTS

J) 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.

K) 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) 200' IN ADVANCE AND A MINIMUM OF EVERY HALF MILE THROUGHOUT THE UNEVEN AREA.

### TRAFFIC PATTERN ALTERATIONS

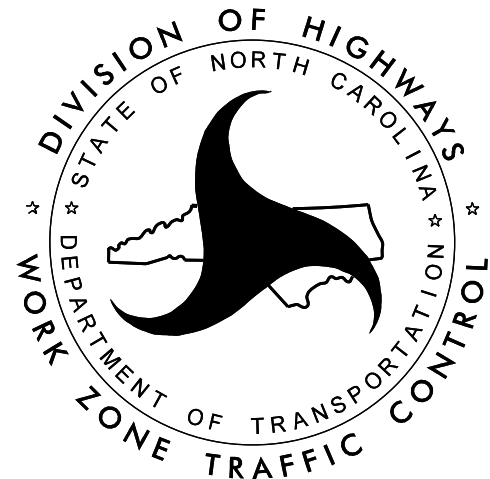
L) NOTIFY THE ENGINEER THIRTY (30) CALENDAR DAYS PRIOR TO ANY TRAFFIC PATTERN ALTERATION.

SEAL



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*Frank Masterson*  
7/8/2025  
SIGNATURE: P.E.

Kimley»Horn



TRANSPORTATION  
OPERATIONS  
PLAN

### **GENERAL NOTES (CONT.)**

## SIGNING

- M) 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.**

- N) 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.**

- O) 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.**

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

- Q) INSTALL BLACK ON ORANGE "DIP" SIGNS (W8-2) AND/OR "BUMP" SIGNS (W8-1) 100' IN ADVANCE OF THE UNEVEN AREA, OR AS DIRECTED BY THE ENGINEER.**

## ***TRAFFIC CONTROL DEVICES***

- R) 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.**

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

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

## PAVEMENT MARKINGS AND MARKERS

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

<u>ROAD NAME</u>	<u>MARKING</u>	<u>MARKER</u>
ALL ROADS	PAINT	NONE

- V) 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.**

- W) TIE PROPOSED PAVEMENT MARKING LINES TO EXISTING PAVEMENT MARKING LINES.**

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

- Y) TRACE THE PROPOSED MONOLITHIC ISLAND AND PEDESTRIAN REFUGE 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.**

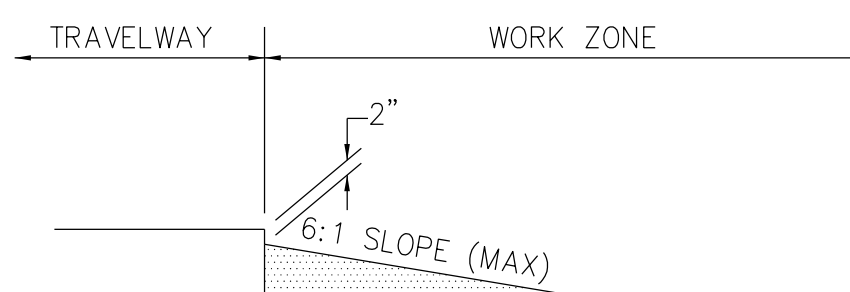
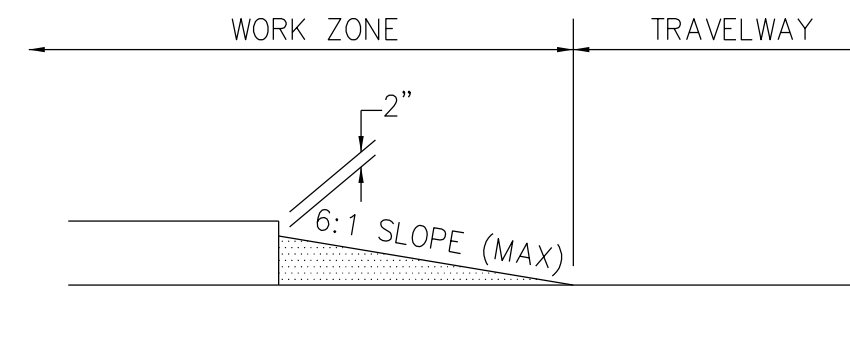
## MISCELLANEOUS

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

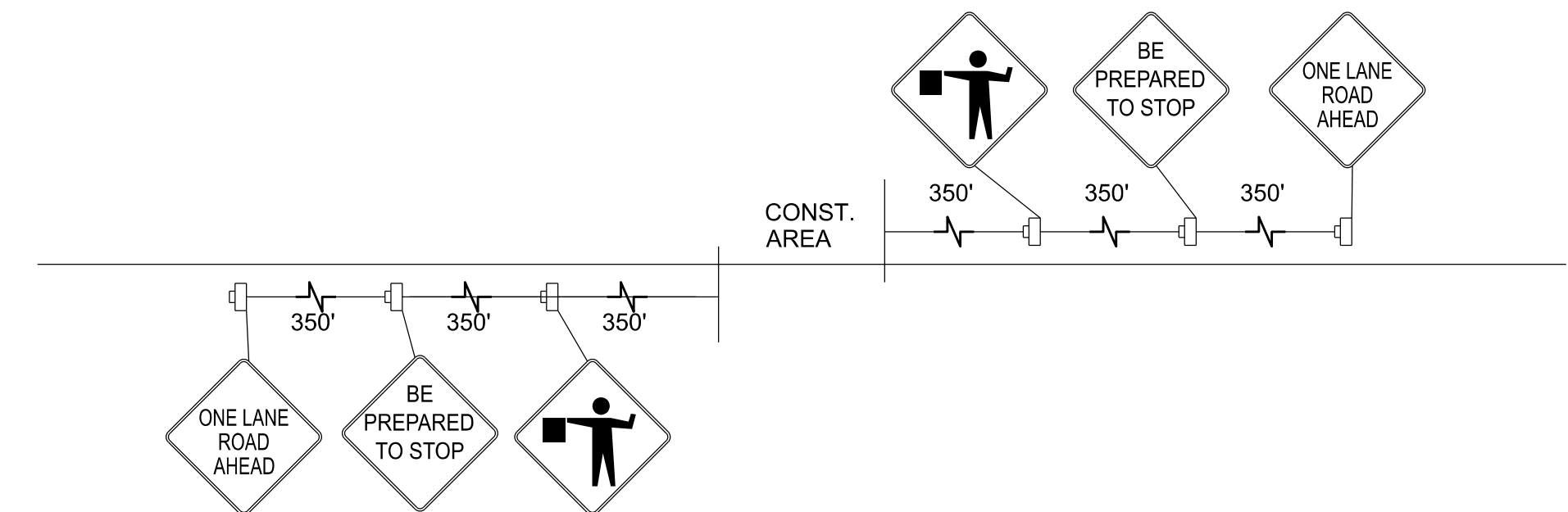
- AA) IN THE EVENT A TIE-IN CANNOT BE MADE IN ONE DAY'S TIME, BRING THE TIE-IN AREA TO AN APPROPRIATE ROADWAY ELEVATION AS DETERMINED BY THE ENGINEER. PLACE BLACK ON ORANGE "LOOSE GRAVEL" SIGNS (W8-7) AND BLACK ON ORANGE "PAVEMENT ENDS" SIGNS (W8-3) 100' AND 200' RESPECTIVELY IN ADVANCE OF THE UNEVEN AREAS. USE DRUMS TO DELINEATE THE EDGE OF ROADWAY ALONG UNPAVED AREAS.**

- AB) 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.**

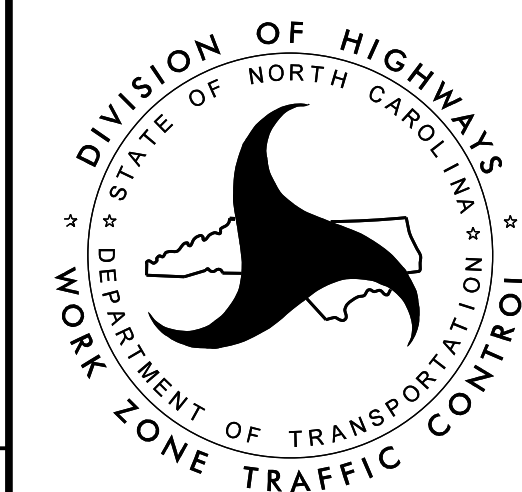
- AC) CONTRACTOR SHALL MAINTAIN SIDEWALK ACCESS AT ALL TIMES AS STATED IN THE PHASING CONTRACTOR SHALL BE RESPONSIBLE TO PROVIDE TEMPORARY SIDEWALKS (CONCRETE, ASPHALT, OR OTHER SUITABLE MATERIAL AS APPROVED BE THE ENGINEER) AT ALL LOCATIONS WHERE THE OPEN PEDESTRIAN TRAVELWAY HAS BEEN REMOVED FOR CONSTRUCTION OPERATIONS (UTILITIES, DRAINAGE, ETC.)**



## PAVEMENT WEDGING DETAILS

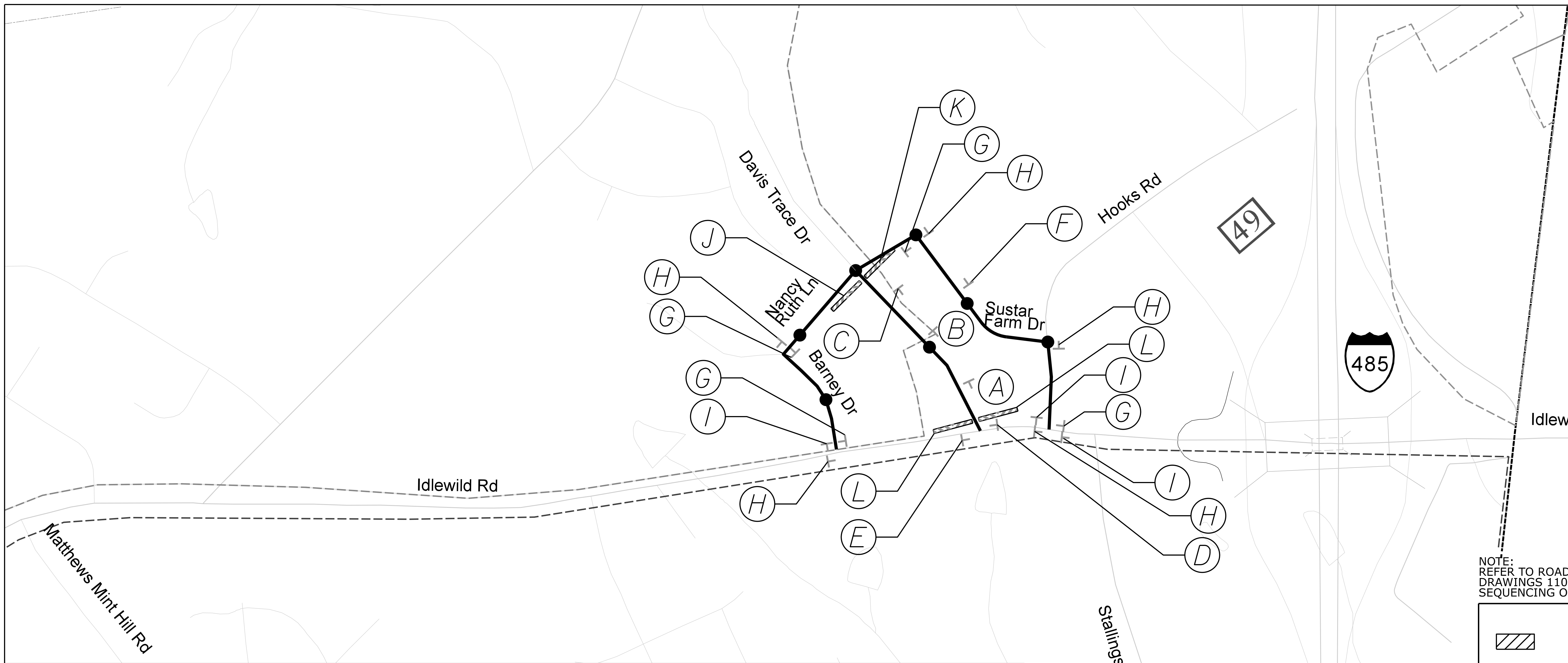


## SIGN DETAIL FOR FLAGGER OPERATIONS



# TRANSPORTATION OPERATIONS PLAN





NOTE:  
REFER TO ROADWAY STANDARD  
DRAWINGS 1101.03 FOR PROPER  
SEQUENCING OF DETOUR SIGNS

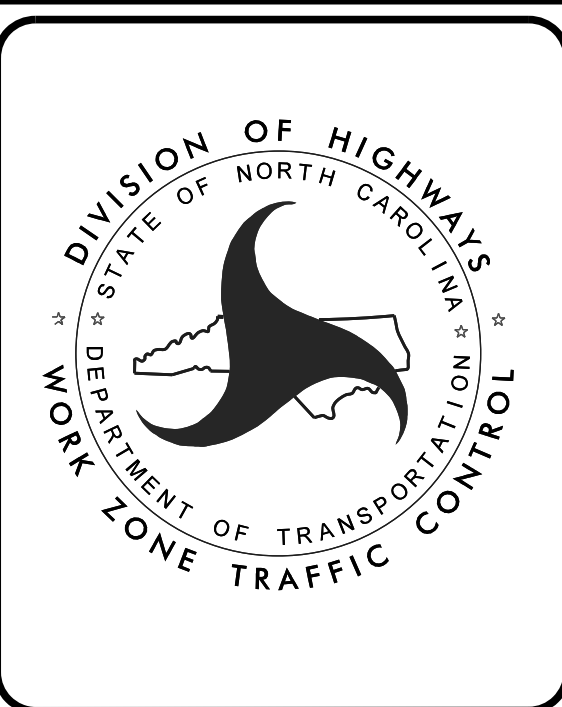
LEGEND	
	WORK AREA
	DETOUR ROUTE
	STATIONARY SIGN
	TYPE III BARRICADE

<p>(A)  W20-3 48" X 48"</p>	<p>(B)  W20-3 48" X 48"</p>	<p>(C)  W20-3 48" X 48"</p>	<p>(D)  W20-3 48" X 48"</p>
<p>(E)  W20-3 48" X 48"</p>	<p>(F)  W20-2 48" X 48"</p>	<p>(G)  24" X 12" M4-8 SD1 M6-1 21" X 15"</p>	<p>(H)  24" X 12" M4-8 SD1 M6-1 L 21" X 15"</p>
<p>(J)  R11-4 60" x 30"</p>	<p>(K)  R11-4 60" x 30" M4-10R 48" x 18"</p>	<p>(L)  R11-2 48" x 30"</p>	

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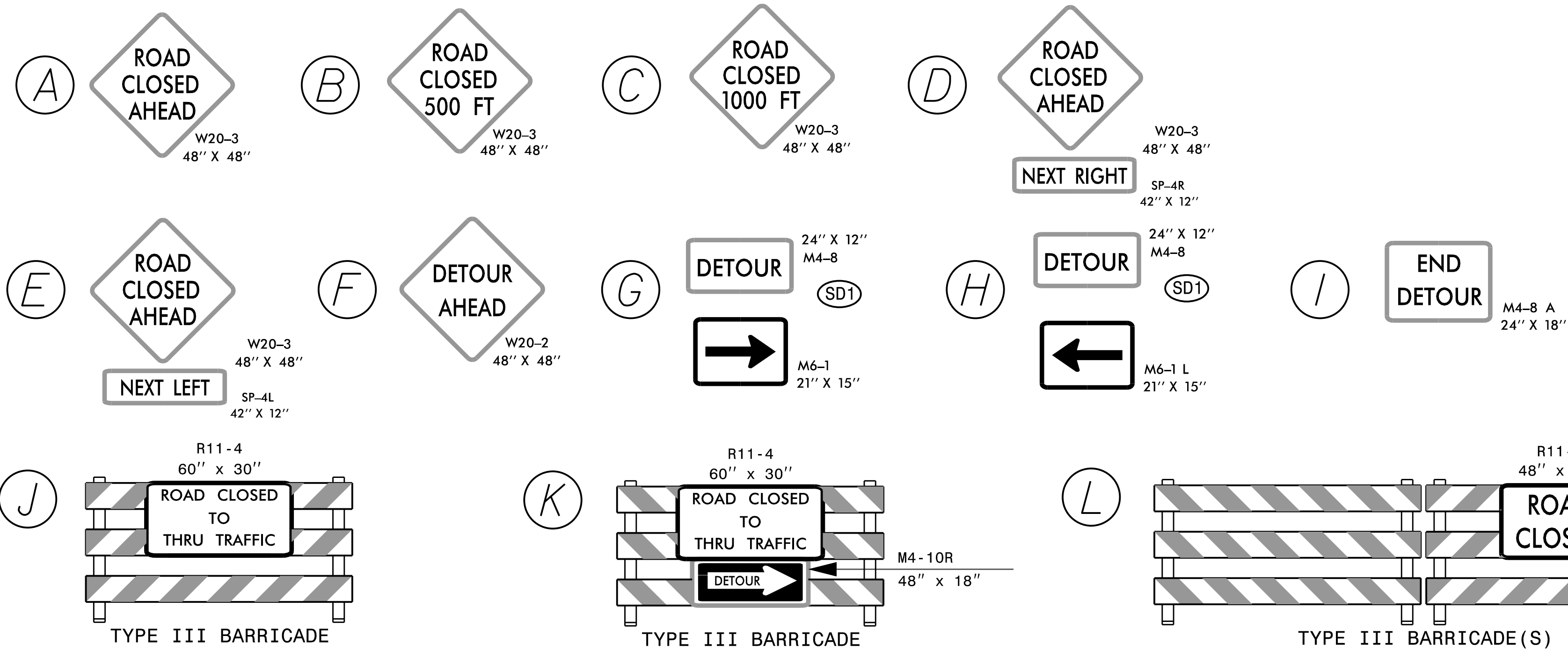
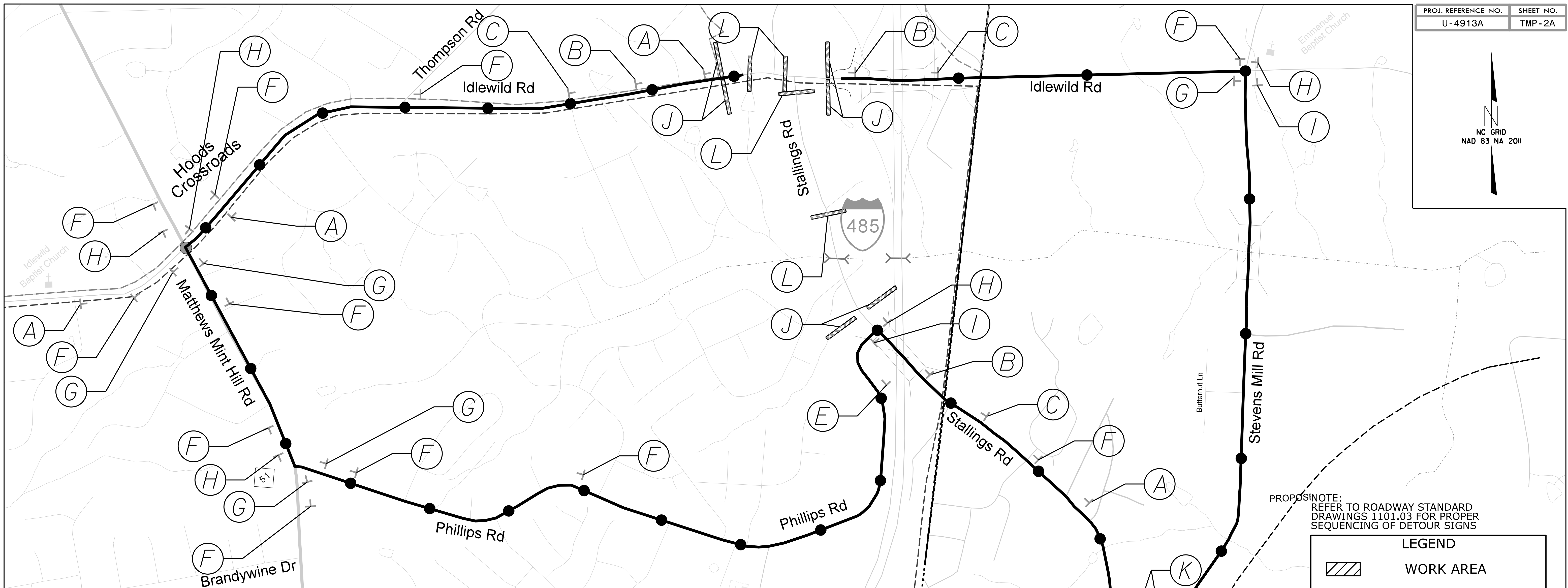
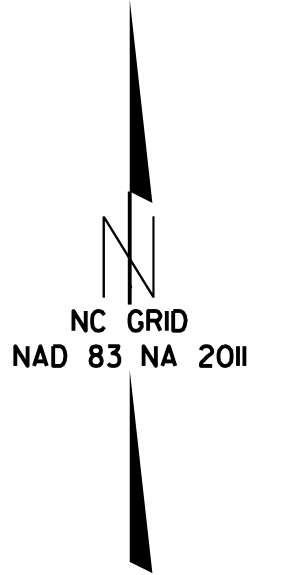
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*Frank D. Masterson, Jr.*  
7/8/2025  
SIGNATURE: P.E.

**Kimley»Horn**



**DETOUR SHEET  
PHASE 2**





LEGEND

- WORK AREA
- DETOUR ROUTE
- STATIONARY SIGN
- TYPE III BARRICADE

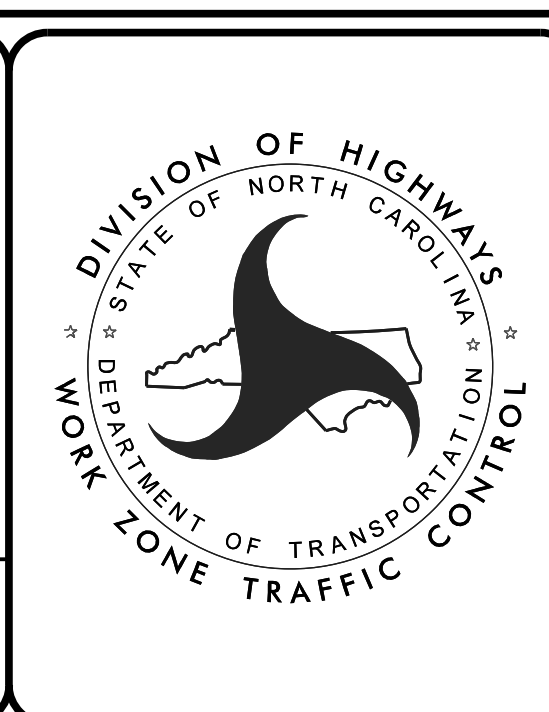
SEAL

FRANK D. WASTEKSON JR.  
NORTH CAROLINA PROFESSIONAL ENGINEER  
SEAL 037923

DocuSigned by:  
Frank Wastekson Jr.  
7/8/2025 P.E.

SIGNATURE:

Kimley»Horn



**DETOUR SHEET  
PHASE 3**



PROJ. REFERENCE NO.	SHEET NO.
U-4913A	TMP-3

## CONSTRUCTION PHASING

**PRIOR TO BEGINNING ANY CONSTRUCTION THE CONTRACTOR SHALL INSTALL WORK ZONE ADVANCE WARNING SIGNS AS SHOWN IN THE NCDOT ROADWAY STANDARD DRAWING NO. 1101.01**

**THROUGHOUT CONSTRUCTION, CONTRACTOR TO MAINTAIN ACCESS TO ALL DRIVEWAYS UTILIZING DRUMS, WEDGING AND GRAVEL DEPENDING ON THE WORK PHASE LOCATIONS LISTED BELOW.**

## **PHASE I**

AWAY FROM TRAFFIC, WHILE MAINTAINING EXISTING TRAFFIC PATTERNS AND ACCESS TO ALL PROPERTIES, CONSTRUCT THE FOLLOWING FROM STA. -L- 9+37.00 TO STA. -L- 36+56.00 RT, STA. -Y1- 10+00.00 TO STA. -Y1- 10+60.85, STA. -Y3- 10+00.00 TO STA. -Y3- 23+50.00, AND STA. -Y6- 10+00.00 TO STA. -Y6- 10+97.23;

**STEP 1:**

**- INSTALL ADVANCED WARNING SIGNS AND ROAD CLOSURE BARRIERS IN ACCORDANCE WITH RSD 1101.01 AS SHOWN ON SHEETS TMP-4 AND TMP-7.**

**STEP 2:**

- CONSTRUCT NEW LOCATION ALONG -L- IDLEWILD ROAD, -Y1- SITE ACCESS A, -Y3- STALLINGS ROAD, AND -RDBT- ROUNDABOUT AS SHOWN ON TMP-4 THRU TMP-7.
- CONTRACTOR TO GRADE BETWEEN -L- PROPOSED AND -L- EXISTING TO PROVIDE POSITIVE DRAINAGE TO LOW POINTS.
- INSTALL MEDIANS ON EASTERN -L- IDLEWILD ROAD EXTENSION AND -Y3- STALLINGS ROAD.
- CONTRACTOR TO INSTALL NEW LOCATION -RDBT- AS SHOWN ON TMP-5.
- INSTALL ASSOCIATED DRAINAGE AS SHOWN ON SHEETS TMP-4 THRU TMP-7.
- CLOSE EXISTING STALLING RD AND CONSTRUCT OPERATIONAL TEMPORARY STALLING RD AS SHOWN ON TMP 5 AND TMP 6.

### STEP 3:

**PROVIDE WEDGING AS REQUIRED FOR POSITIVE DRAINAGE AND SMOOTH TRANSITIONS BETWEEN EXISTING AND PROPOSED GRADES.**

## **PHASE 2**

**AWAY FROM TRAFFIC, WHILE MAINTAINING EXISTING TRAFFIC PATTERNS AND ACCESS TO ALL PROPERTIES, CONSTRUCT THE FOLLOWING FROM STA. -L- 9+85.00 TO STA. -L- 37+43.00 LT, STA. -Y2- 10+00.00 TO STA. -Y2- 10+80.86, STA. -Y4- 10+48.00 TO STA. -Y4- 12+20.54, AND STA. -Y5- 10+00.00 TO STA. -Y5- 10+56.24:**

### STEP 1:

- INSTALL ADVANCED WARNING SIGNS AND ROAD CLOSURE BARRIERS IN ACCORDANCE WITH RSD 1101.01 FOR -L- IDLEWILD ROAD, -Y2- BARNEY DRIVE, -Y4- DAVIS TRACE DRIVE, AND -Y5- HOOKS ROAD, AS SHOWN ON SHEETS TMP-9 THRU TMP-11.

- CONTRACTOR TO SHIFT EXISTING -L- TRAFFIC PATTERN TO PROPOSED TRAFFIC PATTERN ALONG THE NEWLY CONSTRUCTED -L- IDLEWILD ROAD PAVEMENT, AS SHOWN ON SHEETS TMP-2 AND TMP-8 THRU TMP-10.

**STEP 2:**

- CONSTRUCT FULL DEPTH AND WEDGING IN ACCORDANCE WITH RSD 1101.02, SHEET 1 OF 19, ON -L- IDLEWILD ROAD FROM STA. 9+85.00 TO STA. 37+43.00, AS SHOWN ON SHEETS TMP-8 THRU TMP-10.
- CONTRACTOR TO INSTALL WEDGING IN HATCHED LOCATIONS, AS SHOWN ON SHEETS TMP-8 THRU TMP-10, UTILIZING FLAGGER CONTROL AND TEMPORARY LANE CLOSURES.
- CONTRACTOR TO EXECUTE DETOUR & INSTALL CLOSURE SIGNS AS SHOWN ON TMP-2 TO INSTALL 24" RCP PIPE ACROSS -Y4- DAVIS TRACE DRIVE, CONSTRUCT MEDIAN ISLAND AND PROPOSED IMPROVEMENTS ALONG, -Y4- AS SHOWN ON TMP-9, FOR 14 CALENDAR DAYS. REFER TO INTERMEDIATE CONTRACT TIMES FOR LIQUIDATED DAMAGES.

- CONSTRUCT FULL DEPTH AND WEDGING IN ACCORDANCE WITH RSD 1101.02, SHEET 1 OF 19, ON STA. -Y4- 10+48.00 TO STA. -Y4- 12+20.54, AS SHOWN ON SHEET TMP-9.

### STEP 3:

- CONTRACTOR TO PERFORM EDGING BETWEEN -L- PROPOSED AND -L- EXISTING TO MAINTAIN ACCESS TO -Y2- BARNEY DRIVE AND -Y5- HOOKS ROAD.
- CONTRACTOR TO COMPLETE THE WORK FOR THE FOLLOWING INTERSECTIONS OF -Y2-, -Y4-, AND -Y5- BY MAINTAINING ACCESS TO TWO OUT OF THE THREE UNTIL ONE IS COMPLETED AND SHIFT ACCESS POINTS UNTIL COMPLETED.
- CONSTRUCT FULL DEPTH AND WEDGING IN ACCORDANCE WITH RSD 1101.01 ON -Y2-, AS SHOWN ON SHEET TMP-8.
- CONSTRUCT FULL DEPTH AND WEDGING IN ACCORDANCE WITH RSD 1101.01 ON -Y5-, AS SHOWN ON SHEET TMP-9.
- CONTRACTOR TO INSTALL TEMPORARY WEDGING IN HATCHED LOCATIONS, AS SHOWN ON SHEETS TMP-8 THRU TMP-10, UTILIZING FLAGGER CONTROL AND LANE CLOSURES.
- INSTALL ASSOCIATED DRAINAGE AS SHOWN ON SHEETS TMP-8 THRU TMP-10.

**PROVIDE WEDGING AS REQUIRED FOR POSITIVE DRAINAGE AND SMOOTH TRANSITIONS BETWEEN EXISTING AND PROPOSED GRADES.**

### PHASE 3

**AWAY FROM TRAFFIC, WHILE MAINTAINING EXISTING TRAFFIC PATTERNS AND ACCESS TO ALL PROPERTIES, CONSTRUCT THE FOLLOWING FROM STA. -L- 20+96.00 TO STA. -L- 36+50.00 AND -RDBT- 10+00.00 TO STA. -RDBT- 13+95.84:**

**STEP 1:**

**- THE CONTRACTOR IS TO EXECUTE A 14 CALENDAR DAY ROAD CLOSURE ALONG -L- IDLEWILD ROAD AS SHOWN ON SHEETS TMP-2A AND TMP-11 THRU TMP-12. REFER TO INTERMEDIATE CONTRACT TIMES FOR LIQUIDATED DAMAGES.**

**- THE PURPOSE OF THE DETOUR IS TO FACILITATE THE CONSTRUCTION OF THE CENTER ISLANDS, FINAL LIFT OF PAVEMENT, PAVEMENT MARKING & MARKERS, SIGNAGE AND THE TIE OUT OF -Y3- STALLINGS AS SHOW ON SHEET TMP-13.**

**- INSTALL ADVANCED WARNING SIGNS, BARRICADES AND DRUMS IN ACCORDANCE WITH RSD 1101.02 FOR -L- IDLEWILD ROAD AND -Y3- STALLINGS ROAD, AS SHOWN ON SHEETS TMP-11 THRU TMP-13.**

### STEP 2:

- CONTRACTOR TO SHIFT EXISTING -L- LANES TO PROPOSED TRAFFIC PATTERN TO CONSTRUCT MEDIANS IN THE CENTER OF THE ROADWAY TO MAINTAINING CONSTRUCTION TRAFFIC PATTERNS.
- CONTRACTOR TO CONSTRUCT THE CENTER ISLAND FROM STA. -RDBT- 10+00 TO STA. -RDBT- 13+95.84
- CONTRACTOR TO CONSTRUCT THE MEDIAN FROM STA. -L- 26+13 TO STA. -L- 29+00 CIL FIRST TO MAINTAIN ACCEPTABLE LANE WIDTHS FOR TURNING MOVEMENTS TO BE PERFORMED. ONCE COMPLETED, CONTRACTOR TO CONSTRUCT THE MEDIANS FROM STA. -L- 24+00 TO STA. -L- 26+85 AND STA. -L- 28+46 TO STA. -L- 36+50.
- PLACE FINAL LAYER OF ASPHALT, FINAL PAVEMENT MARKINGS, MARKERS, AND SIGNAGE.

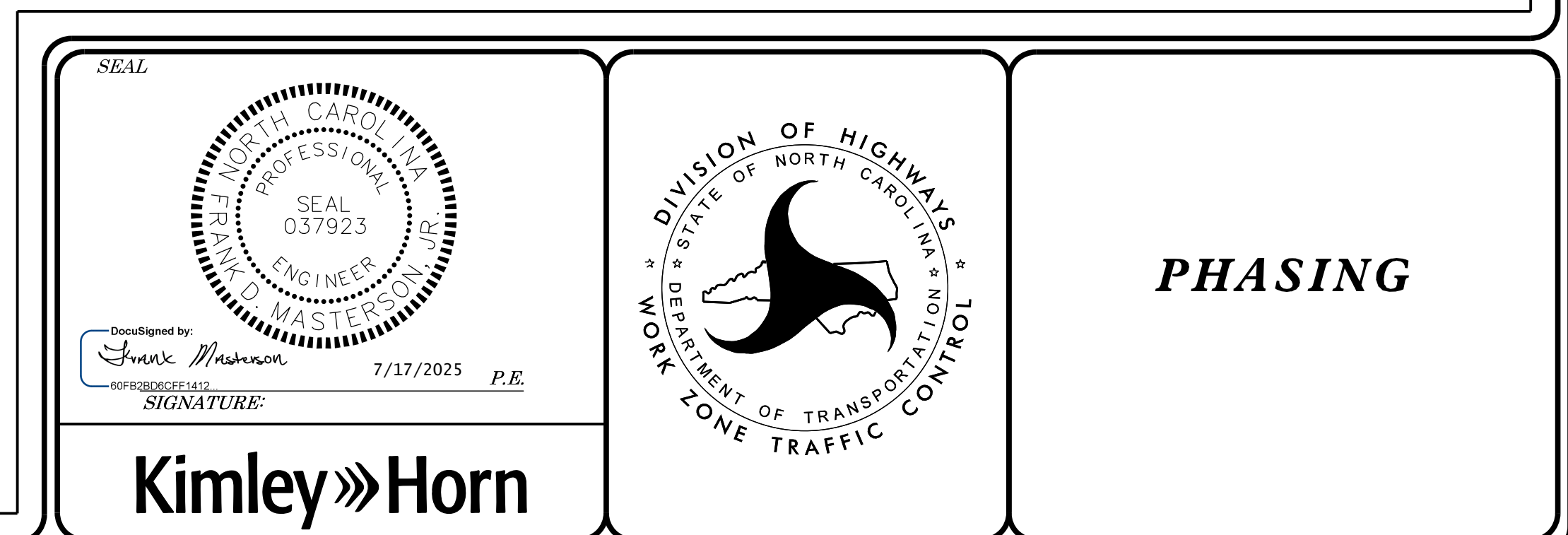
- THE CONTRACTOR IS TO EXECUTE A 30 CALENDAR DAY ROAD CLOSURE ALONG -Y3- STALLINGS ROAD AS SHOWN ON SHEETS TMP-2A AND TMP-13. REFER TO INTERMEDIATE CONTRACT TIMES FOR LIQUIDATED DAMAGES.

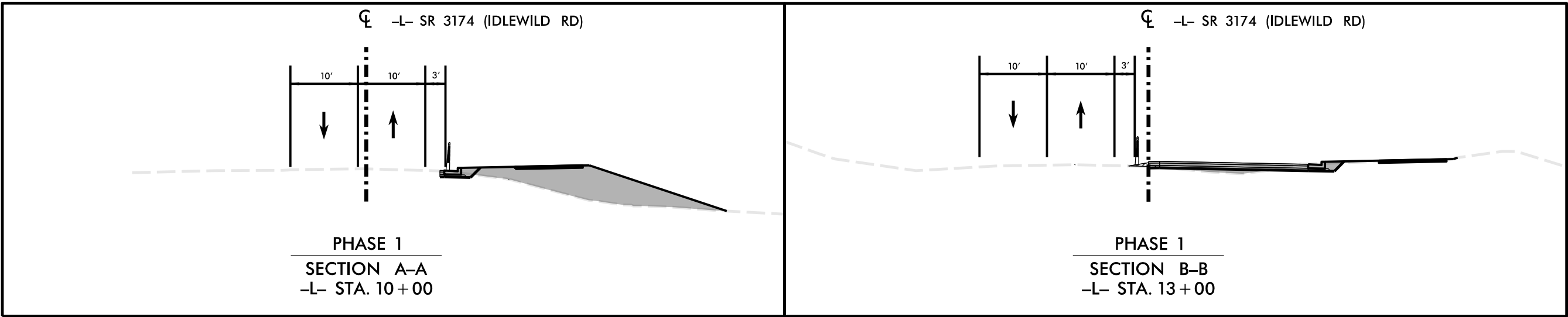
### STEP 3:

- CONTRACTOR TO CONSTRUCT THE CONNECTION OF -Y3- STALLING ROAD WITH THE USE OF THE DETOUR FOR THE ROAD CLOSURE, AS SHOWN ON SHEETS TMP-2A.
- FOR ANY WORK NOT COMPLETED DURING THE 30 CALENDAR DAY TIME FRAME, CONTRACTOR TO UTILIZE THE PAINT AND DRUM PATTERNS AS NECESSARY TO FINALIZE CONSTRUCTION.
- CONTRACTOR TO PROVIDE WEDGING AS REQUIRED FOR POSITIVE DRAINAGE AND SMOOTH TRANSITIONS BETWEEN THE EXISTING AND THE PROPOSED GRADES.
- PLACE FINAL LAYER OF ASPHALT, FINAL PAVEMENT MARKINGS, MARKERS, AND SIGNAGE.

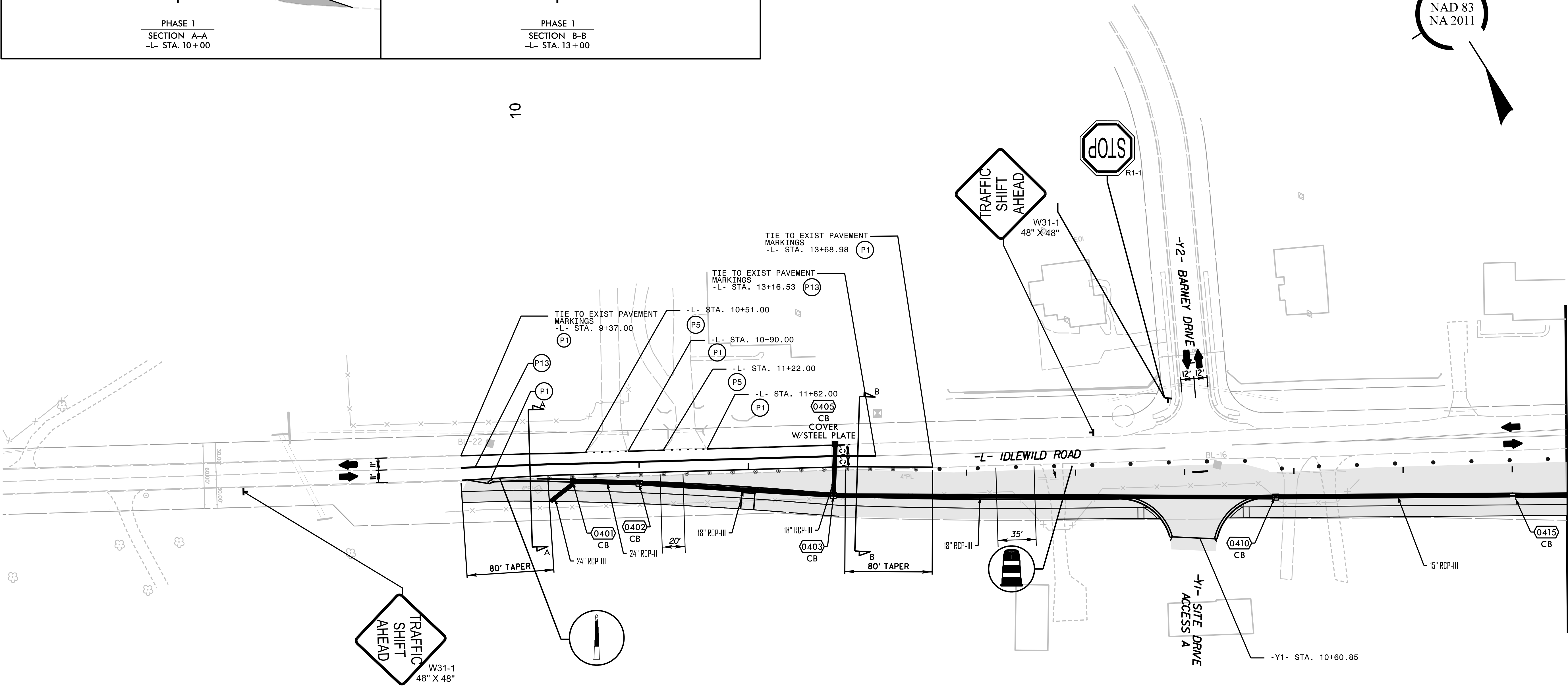
**STEP 4:**

**- CONTRACTOR TO REMOVE ALL TRAFFIC CONTROL DEVICES AND OPEN ALL LANES TO TRAFFIC.**





10



MATCH LINE -L- STA 19+50.00 SEE SHEET TMP-005

WEDGING

PAVEMENT REMOVAL

WORK AREA

SEE SHEET 2C-5 FOR  
STEEL PLATE DETAIL

REVISIONS

U-4913A

TMP-004

NORTH CAROLINA  
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ROADWAY DESIGN UNIT

ROADWAY DESIGN  
ENGINEER

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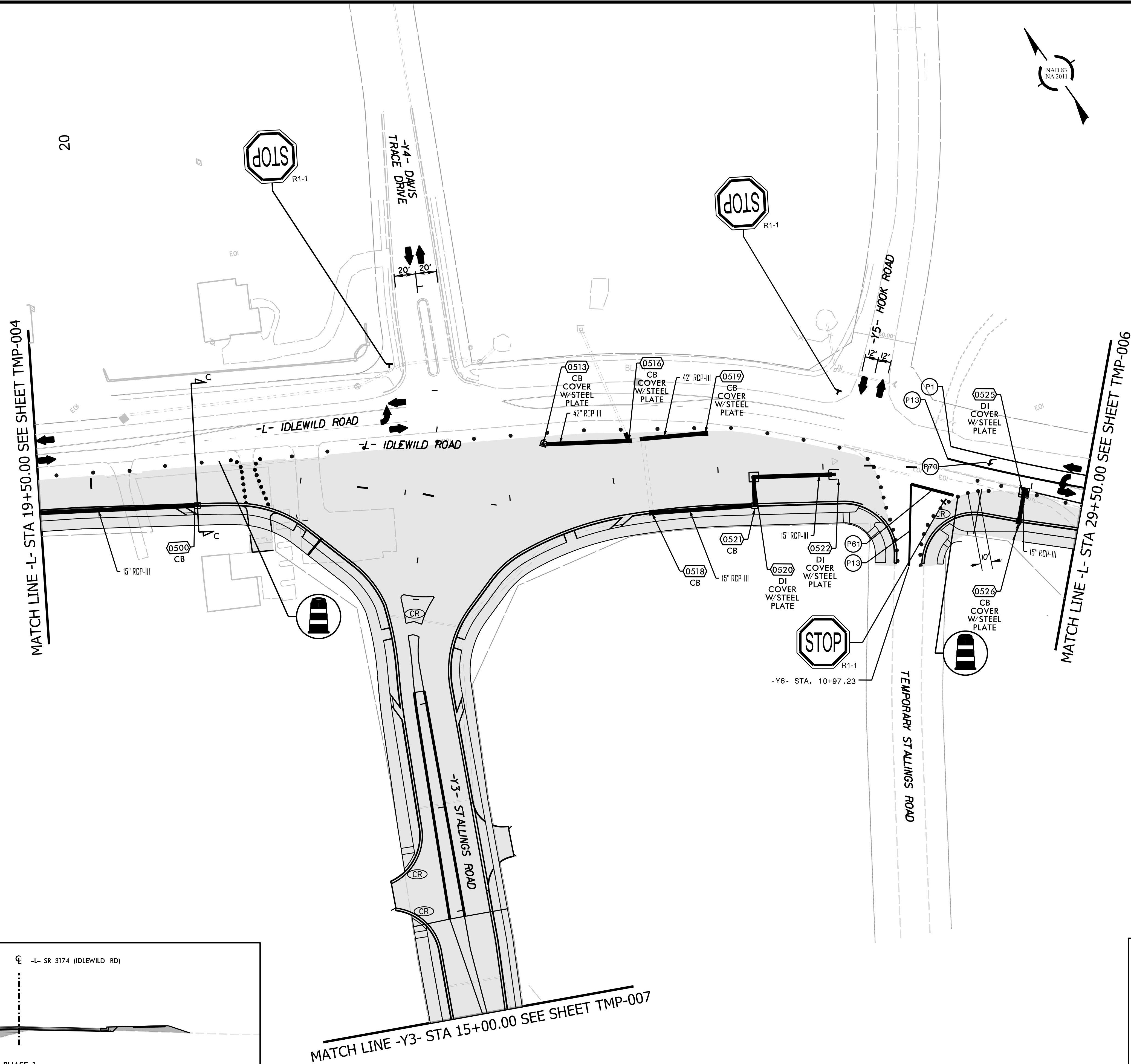
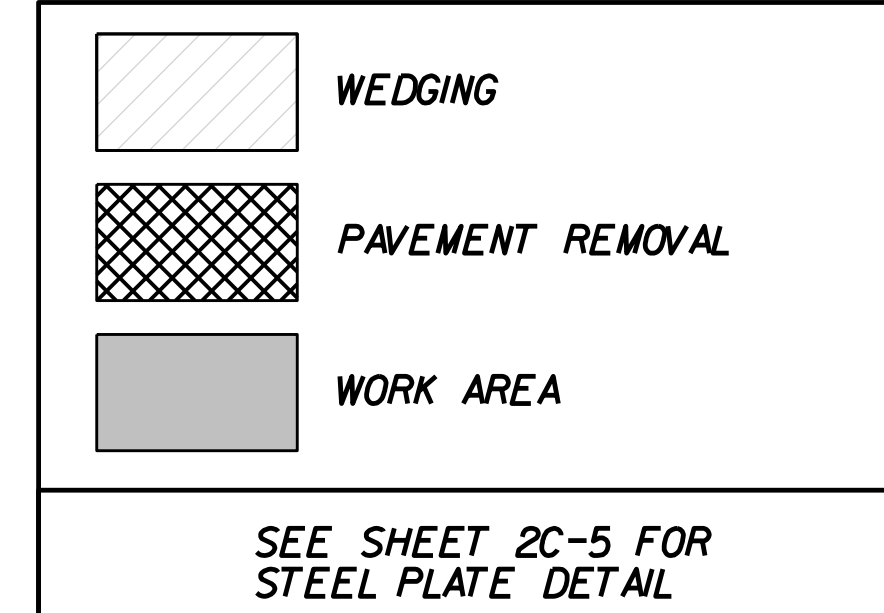
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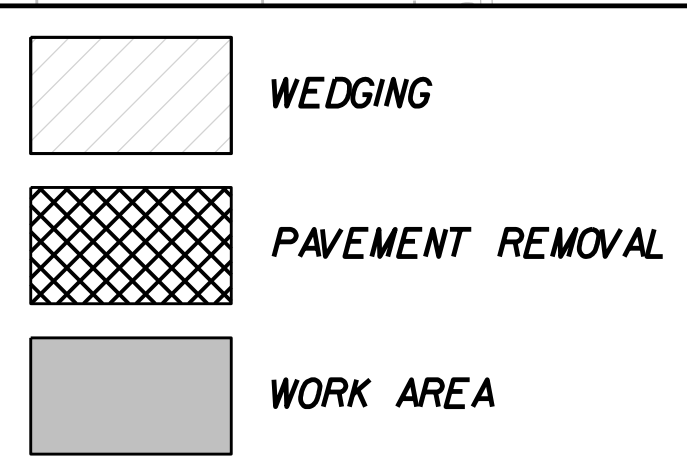
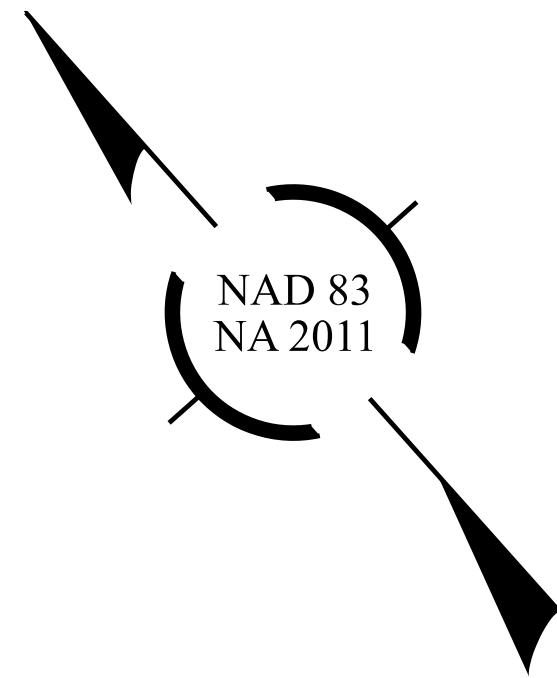
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**Kimley Horn**

PHASE 1  
PLAN SHEET



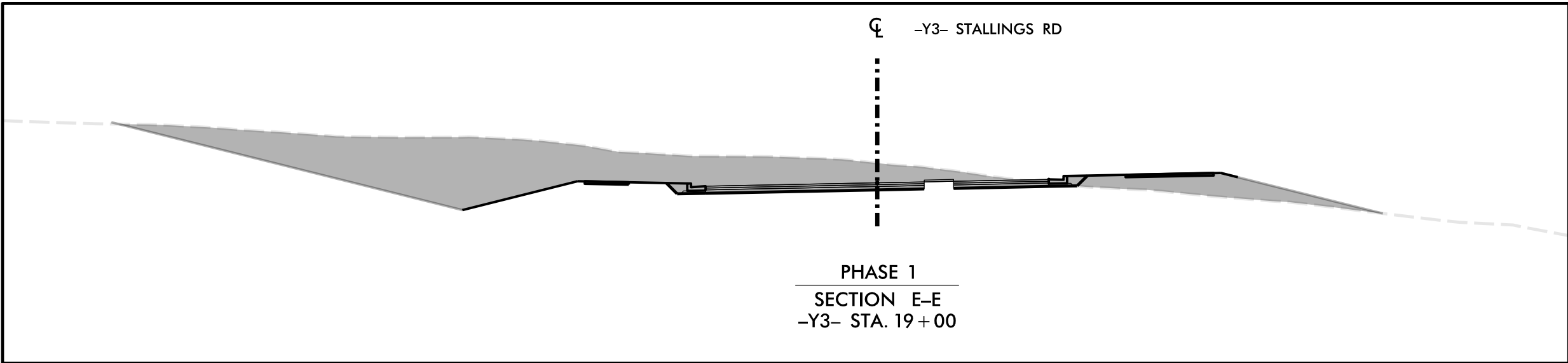




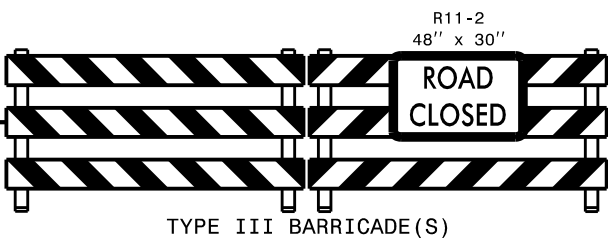
PHASE 1  
PLAN SHEET

REVISIONS





MATCH LINE -Y3- STA 15+00.00 SEE SHEET TMP-005



TIE OUT OF STALLINGS TO STOP HERE AT -Y3-23+50 AND WILL BE COMPLETED IN PHASE 3 ONCE ROAD CLOSURES ARE APPLIED AS SHOWN ON SHEET TCP-2

MATCH LINE -Y3- STA 23+50.00 SEE SHEET TMP-013

- WEDGING
- PAVEMENT REMOVAL
- WORK AREA

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TMP-007

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ROADWAY DESIGN  
ENGINEER

SEAL  
037923

FRANK D. WATERS, JR.  
P.E.  
CIVIL ENGINEER

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05/26/2025

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ENGINEER

SEAL  
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Kimley»Horn

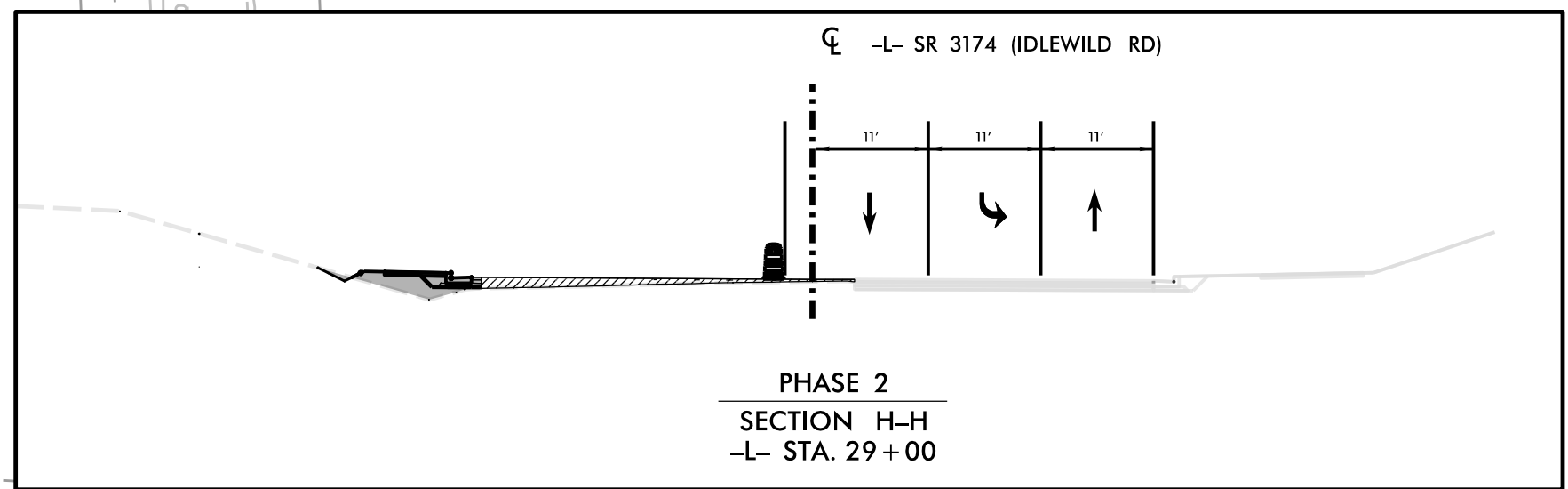
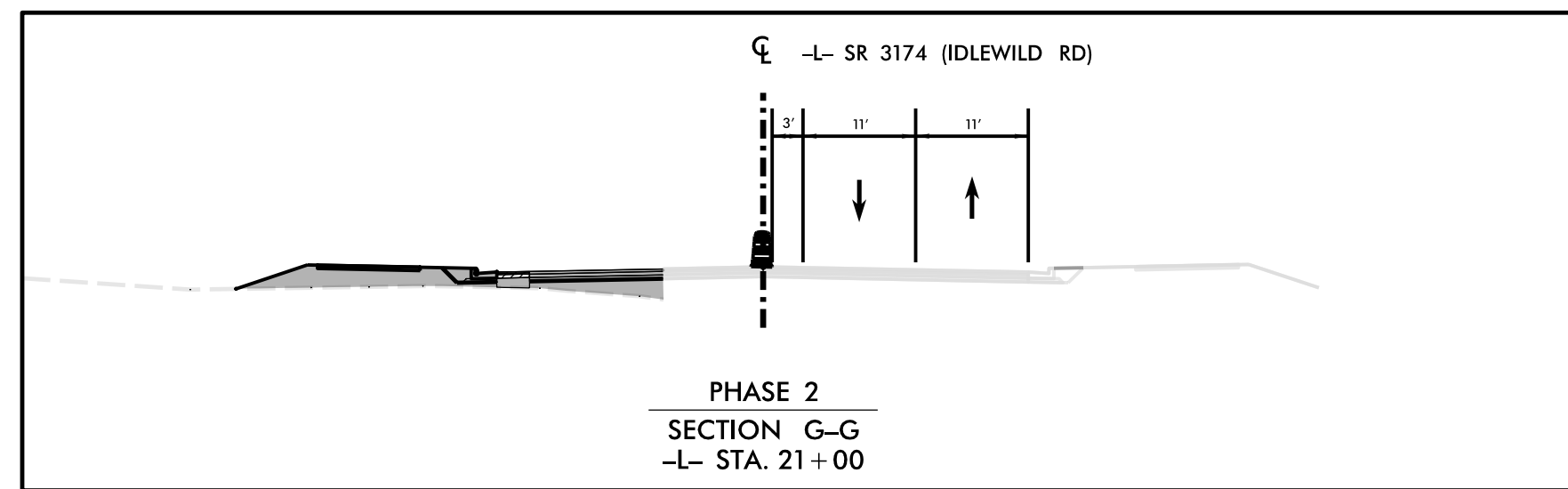
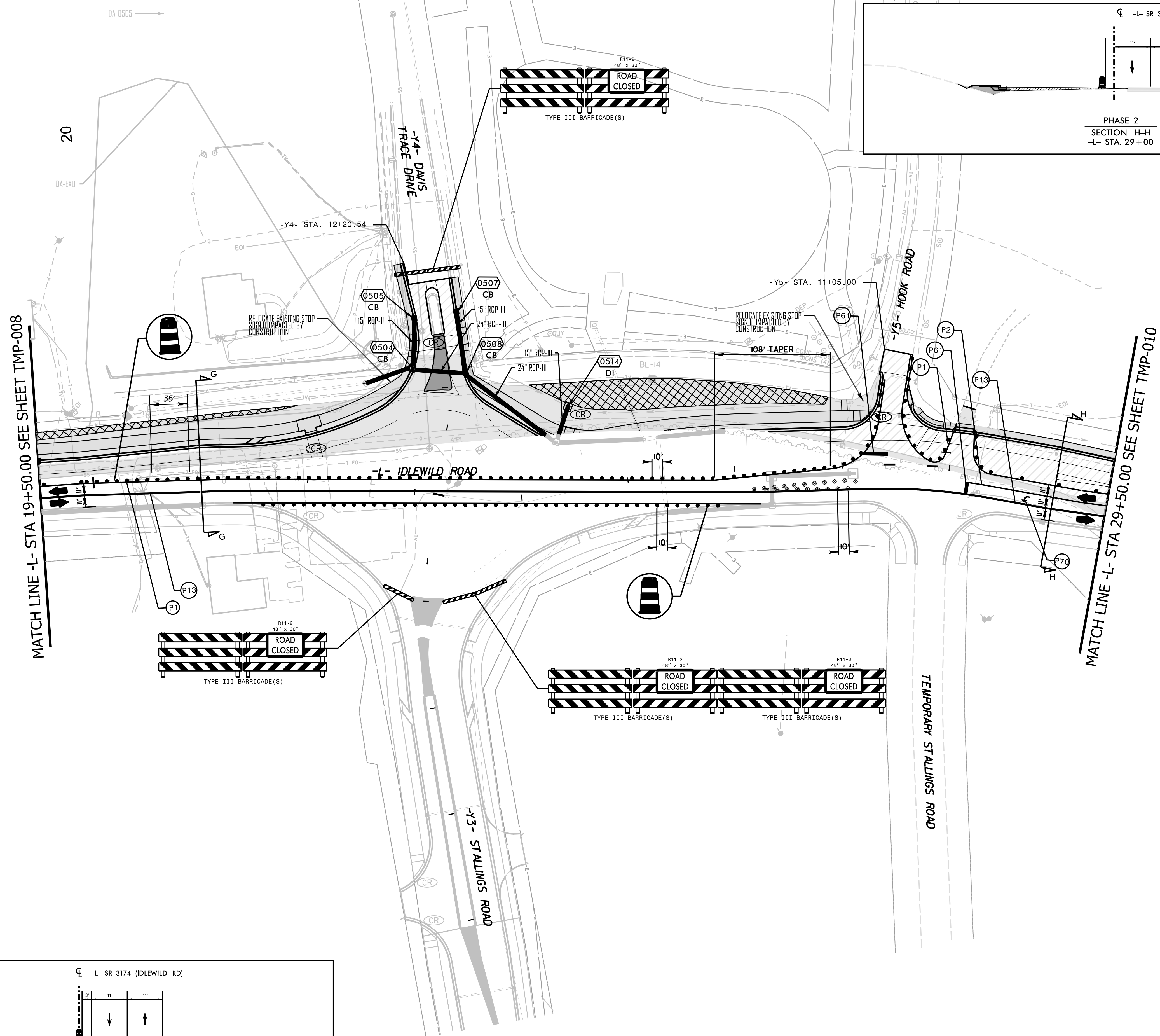
INC.

PHASE 1  
PLAN SHEET


REVISIONS







NAD 83  
NA 2011

<h1 style="margin: 0;">U-4913A</h1>	<h1 style="margin: 0;">TMP-009</h1>
<p><b>NORTH CAROLINA</b>  <b>DEPARTMENT OF TRANSPORTATION</b>  <b>MECKLENBURG COUNTY</b></p>	
	
<p><b>ROADWAY DESIGN UNIT</b></p>	
<p><b>ROADWAY DESIGN ENGINEER</b></p>	
	
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<p><b>HYDRAULICS ENGINEER</b></p>	
	
<p><b>DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED</b></p>	
<p><b>PREPARED BY</b></p>	
<h1 style="margin: 0;">Kimley » Horn</h1>	

PHASE 2  
PLAN SHEET

REVISIONS



MATCH LINE -L- STA 29+50.00 SEE SHEET TMP-009

30

40

NAD 83  
NA 2011

TRAFFIC  
SHIFT  
AHEAD

W31-1  
48" X 48"

TRAFFIC  
CONTROL BOX  
BL-12

CONC BRIDGE

CONC BRIDGE

CONC

-L- STA. 37+43.00

0612  
CB

15" RCP-III

15" RCP-III

18" RCP-III

0608  
CB

CR

P70

P13

P70

0604  
TB 2GI  
COVER W/  
STEEL PLATE

P4

P70

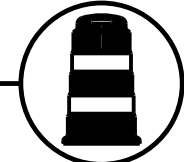
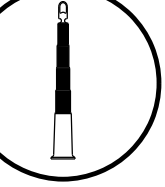
P3

P4

P3

P13

P1



P70

P3

P13

P1

550' TAPER

-L- IDLEWILD ROAD

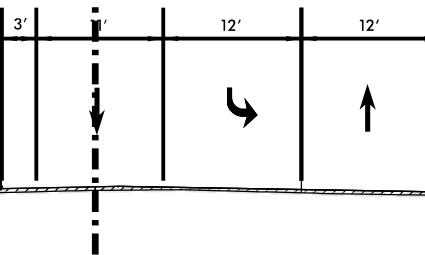
ST ALLINGS ROAD

BY 3-19

SAMPLE

STA. 32+00

CL -L- SR 3174 (IDLEWILD RD)



PHASE 2  
SECTION I-I  
-L- STA. 32+00

- WEDGING
- PAVEMENT REMOVAL
- WORK AREA

SEE SHEET 2C-5 FOR  
STEEL PLATE DETAIL

REVISIONS

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PLAN SHEET

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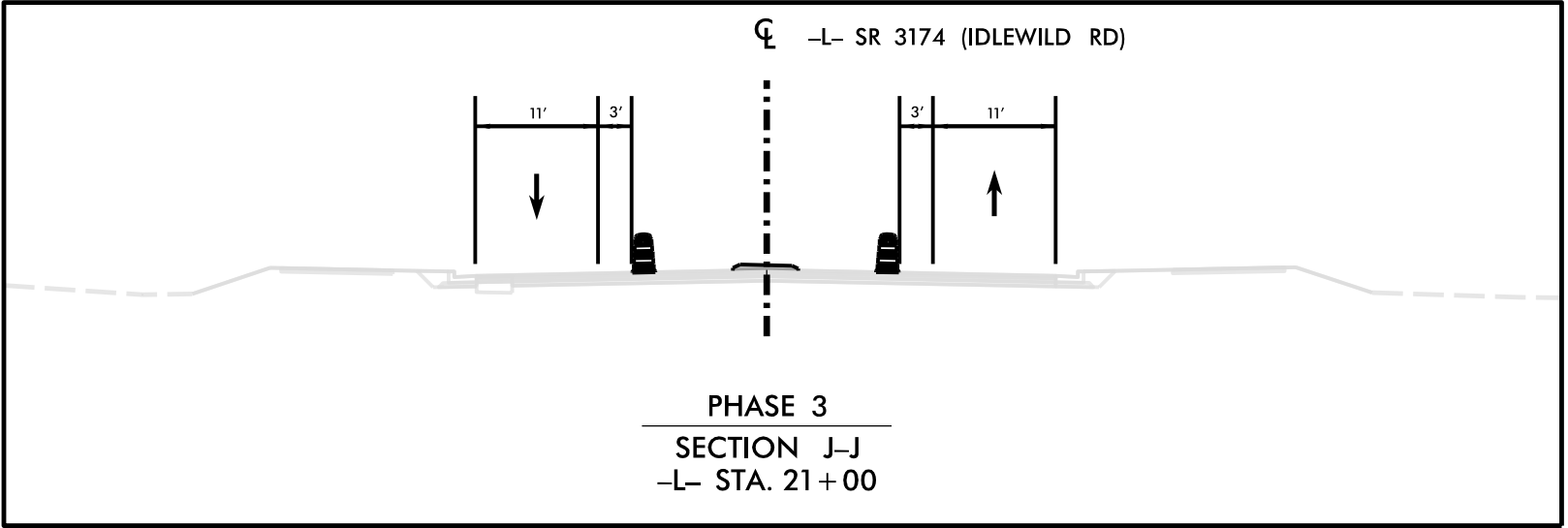
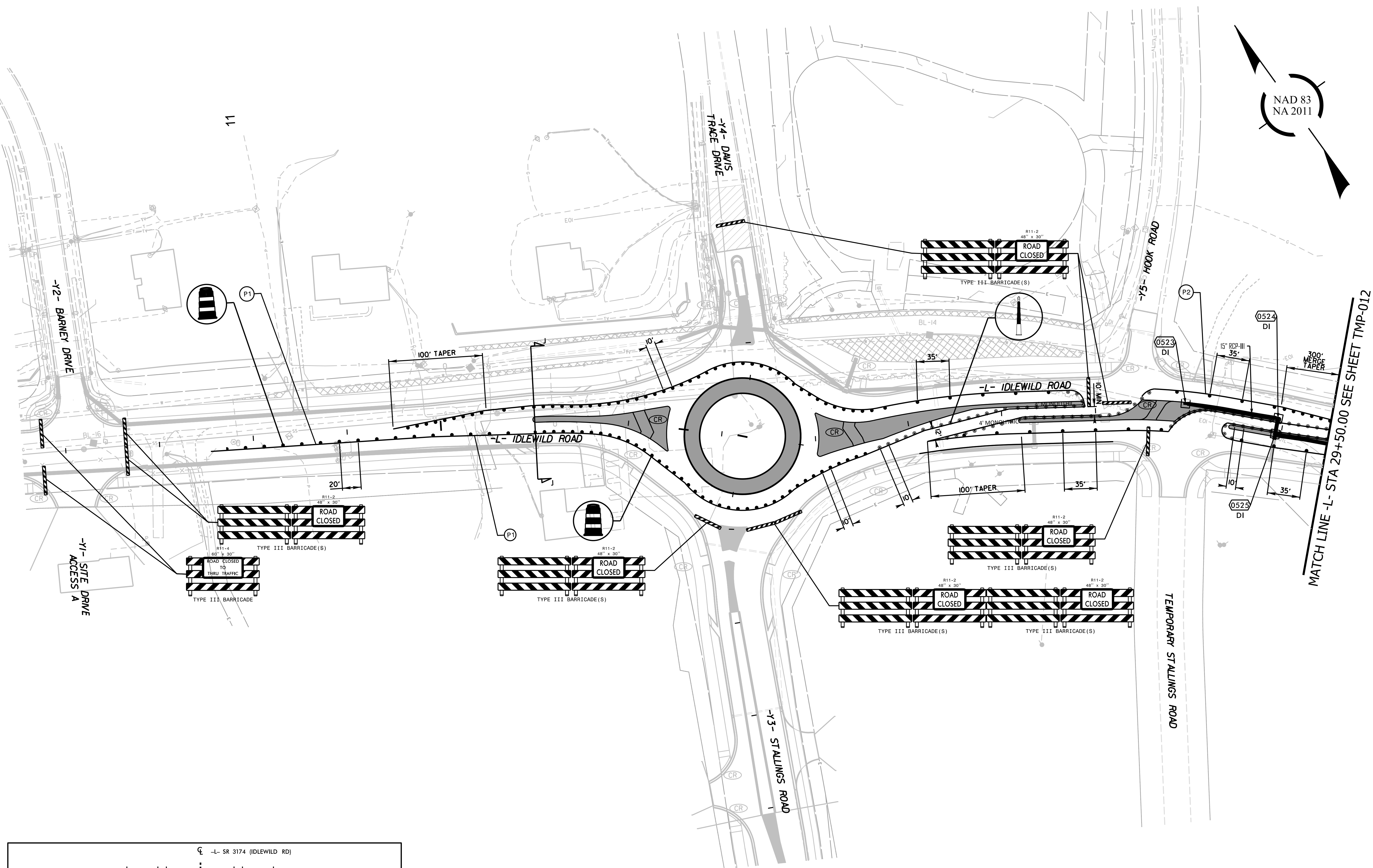
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	WEDGING
	PAVEMENT REMOVAL
	WORK AREA

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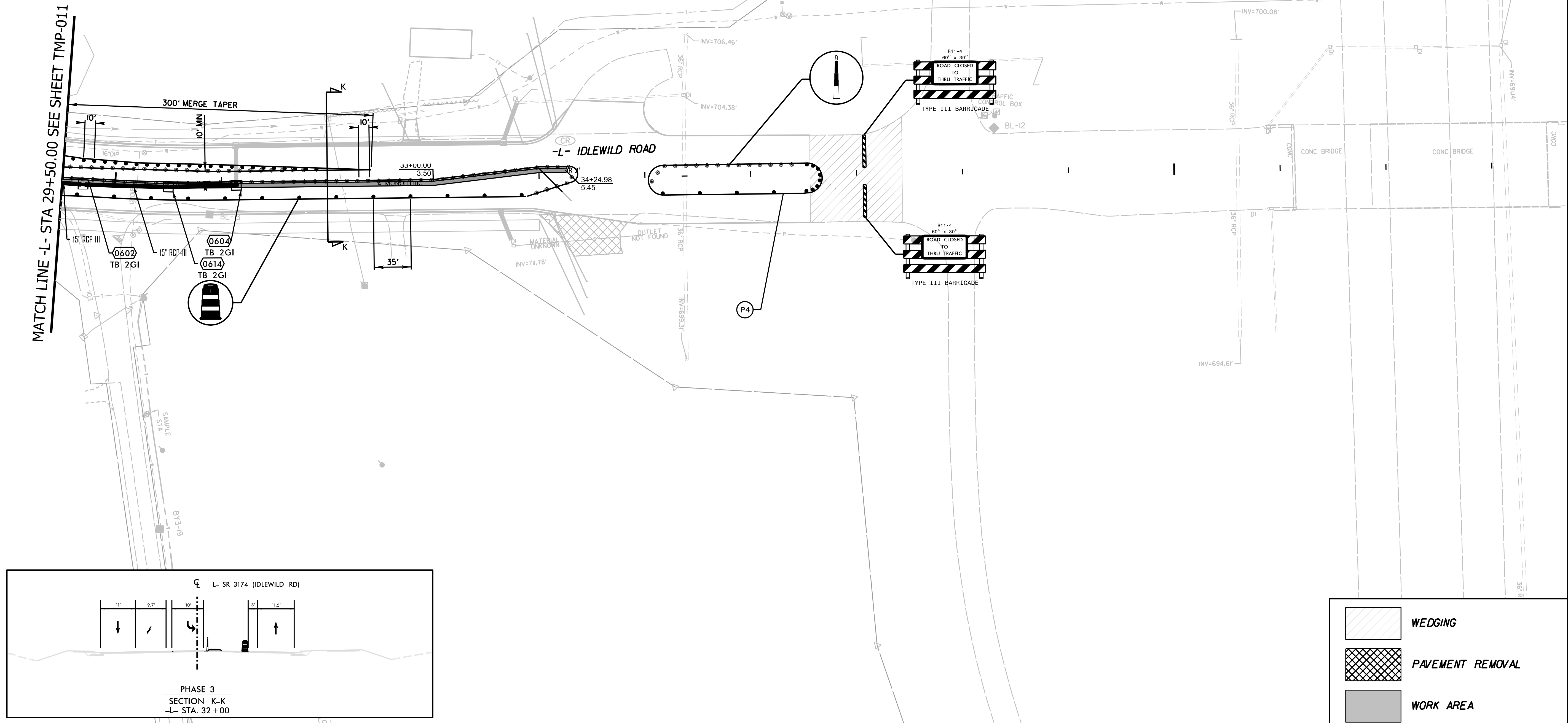
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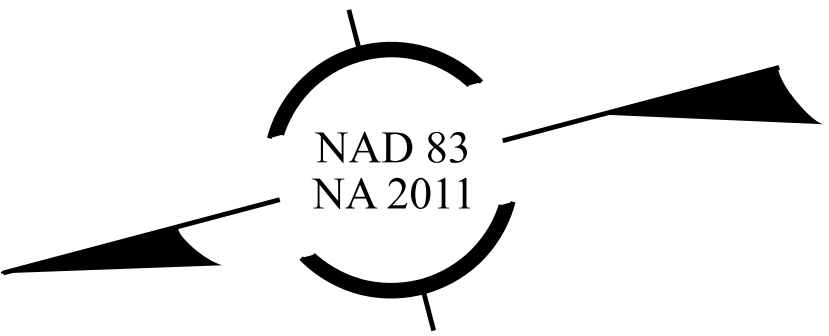
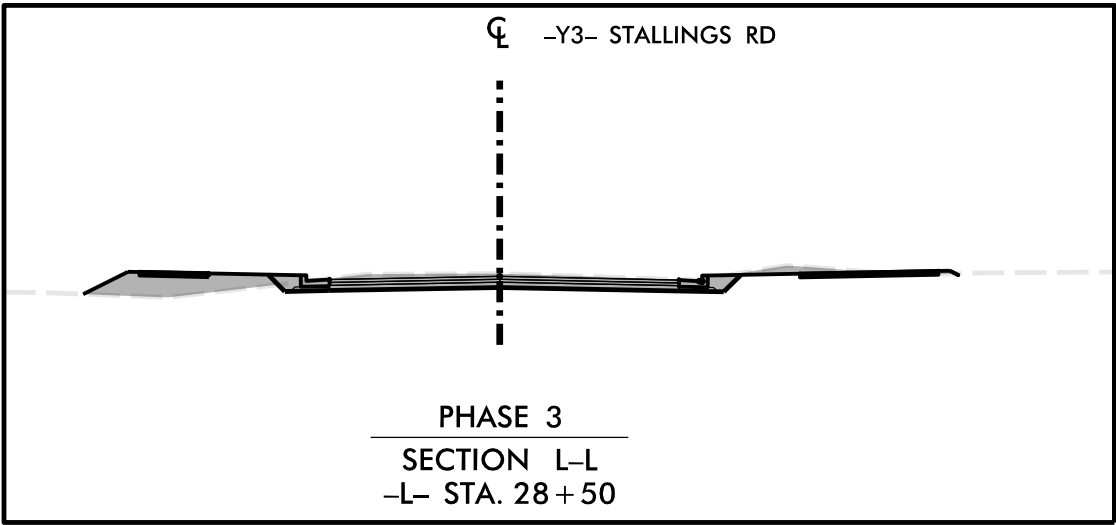
Kimley » Horn

PHASE 3  
PLAN SHEET

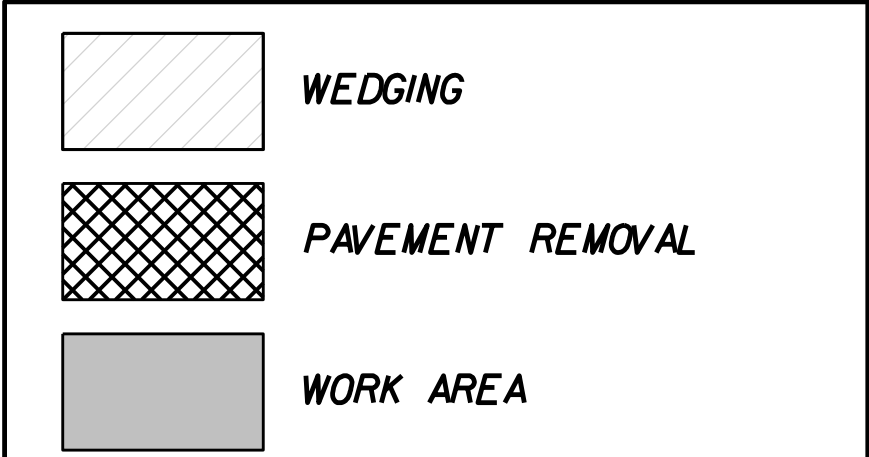
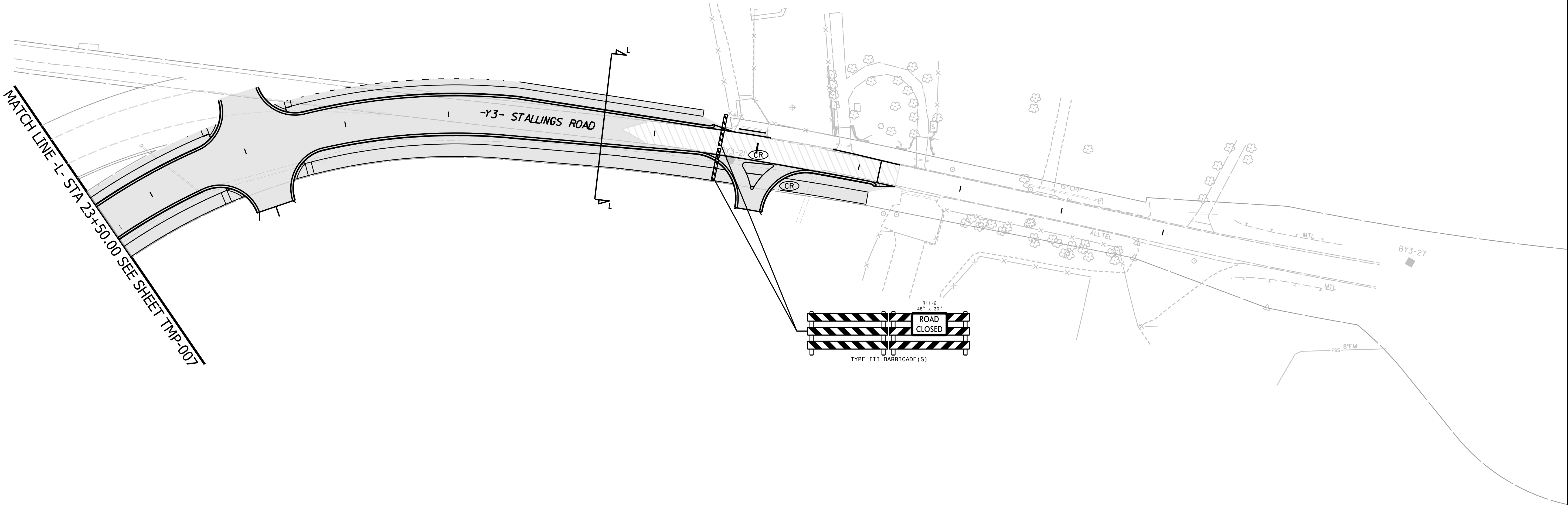








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PLAN SHEET