

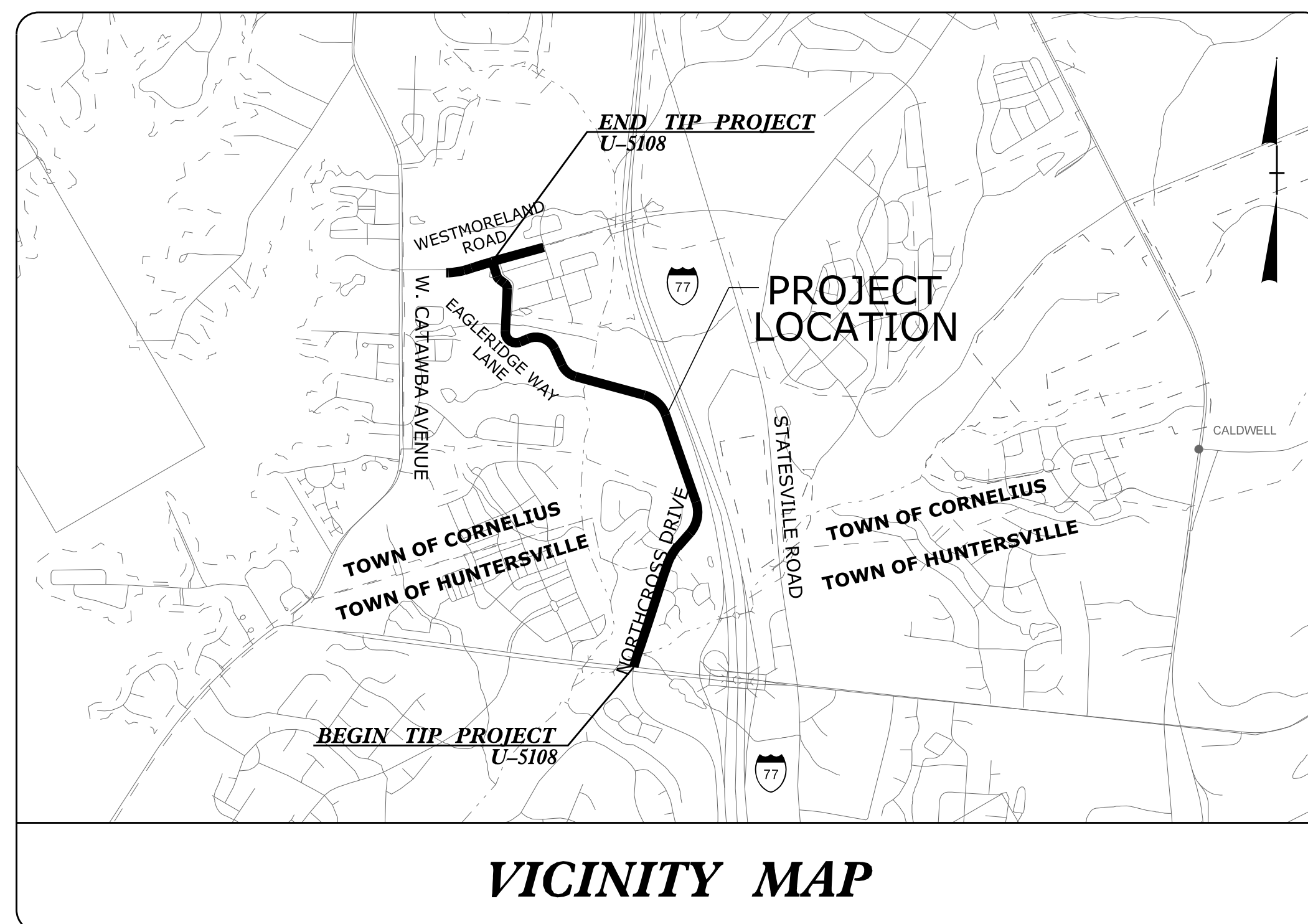
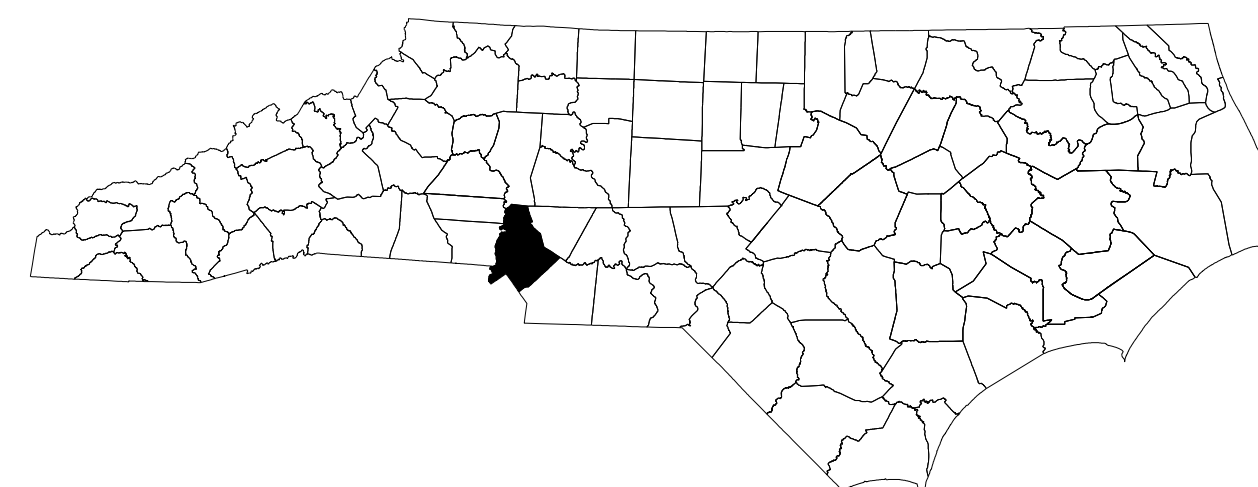
STATE OF NORTH CAROLINA
DIVISION OF HIGHWAYS

TRANSPORTATION MANAGEMENT PLAN

MECKLENBURG COUNTY

LOCATION: NORTHCROSS DRIVE EXTENSION PROJECT – SR 2316 (NORTHCROSS DRIVE) FROM JUST NORTH OF NC 73 (SAM FURR ROAD) IN HUNTERSVILLE TO SR 2147 (WESTMORELAND ROAD) IN CORNELIUS

TYPE OF WORK: GRADING, DRAINAGE, PAVING, AND STRUCTURES



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-3A THRU TMP-3B	CONSTRUCTION PHASING
TMP-4	PHASE 1 DETAILS
TMP-5	PHASE 1 GREENWAY DETOUR PLAN
TMP-6 THRU TMP-11	PHASE 2 DETAILS
TMP-12	PHASE 2 SIDEWALK DETOUR PLAN
TMP-13 THRU TMP-17	PHASE 3 DETAILS
TMP-18 THRU TMP-23	PHASE 4 DETAILS
TMP-24 THRU TMP-26	PHASE 5 DETAILS

SHEET NO.
TMP-1

U-5108

Kimley»Horn

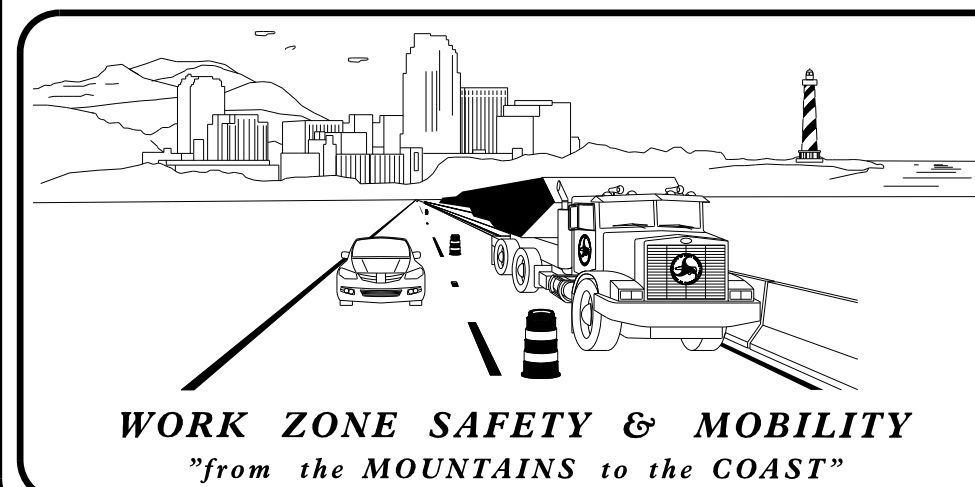
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SYDNEY ROSENBLUM, P.E. **TRAFFIC CONTROL PROJECT DESIGN ENGINEER**
JACKSON GILL **TRAFFIC CONTROL DESIGN TECHNICIAN**

APPROVED:
DATE: 4/9/2024

SEAL

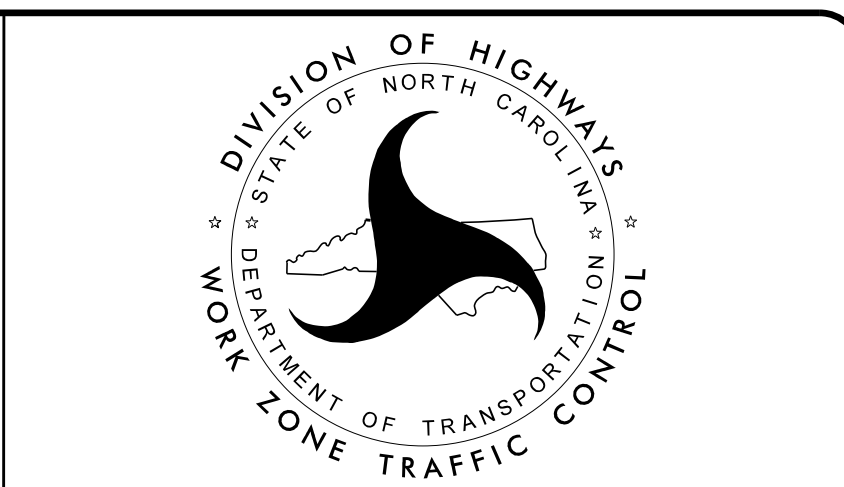


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TIP PROJECT:

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
1101.11	TRAFFIC CONTROL DESIGN TABLES
1110.01	STATIONARY WORK ZONE SIGNS
1110.02	PORTABLE WORK ZONE SIGNS
1130.01	DRUMS
1135.01	CONES
1145.01	BARRICADES - TYPE III
1150.01	FLAGGERS
1160.01	TEMPORARY CRASH CUSHION - REFLECTIVE END TREATMENT
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
1205.13	PAVEMENT MARKINGS - LANE REDUCTIONS
1205.14	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
- 4" CONG SIDEWALK
- REMOVAL
- FULL DEPTH RECLAMATION
- WEDGING
- TEMPORARY PAVEMENT

SIGNALS

- EXISTING
- PROPOSED
- TEMPORARY
- PORTABLE
- DRIVEWAY

PAVEMENT MARKINGS

- EXISTING LINES
- TEMPORARY LINES

TRAFFIC CONTROL DEVICES

- BARRICADE (TYPE III)
- CONE
- TUBULAR MARKER
- DRUM
- SKINNY DRUM
- TEMPORARY CRASH CUSHION
- TEMPORARY PORTABLE CONC. BARRIER
- 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



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 MINI-SKIP
- P11 - PAINT (4" YELLOW, 2X) SINGLE CENTER LINE
- P13 - PAINT (4" YELLOW, 2X) DOUBLE CENTER LINE
- P40 - PAINT (8" WHITE, 2X) GORELINE
- P45 - PAINT (8" WHITE, 2X) 3'-3"/SP MINI-SKIP
- P61 - PAINT (24" WHITE, 2X) STOPBAR

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)

Kimley»Horn

APPROVED:  DATE: 4/9/2024		ROADWAY STANDARD DRAWINGS & LEGEND
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MANAGEMENT STRATEGIES

PROPOSED IMPROVEMENTS ALONG -L- NORTHCROSS DRIVE, -L1- EAGLERIDGE WAY LANE, -Y1- WESTWIND POINT DRIVE, -Y2-, -Y3- DEER VALLEY DRIVE, -Y4-, -Y5- ARROWHEAD PLACE LANE, -Y6- WESTMORELAND ROAD, -Y7- FOREST SHADOW CIRCLE, -Y8-, AND -GW-L- WILL BE CONSTRUCTED WHILE MAINTAINING TRAFFIC AND USING TEMPORARY TRAFFIC PATTERNS WITH PORTABLE SIGNALS, 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 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:

<u>ROAD NAME</u>	<u>DAY AND TIME RESTRICTIONS</u>
NORTHCROSS DRIVE EAGLERIDGE WAY LANE WESTMORELAND ROAD WESTWIND POINT DRIVE DEER VALLEY DRIVE ARROWHEAD PLACE LANE FOREST SHADOW CIRCLE	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:

<u>ROAD NAME</u>
NORTHCROSS DRIVE EAGLERIDGE WAY LANE WESTMORELAND ROAD WESTWIND POINT DRIVE DEER VALLEY DRIVE ARROWHEAD PLACE LANE FOREST SHADOW CIRCLE

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.**

TIME RESTRICTIONS (CONT.)

- 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.**

C) DO NOT CLOSE ROADS AS FOLLOWS:

<u>ROAD NAME</u>	<u>DAY AND TIME RESTRICTIONS</u>
NORTHCROSS DRIVE WESTMORELAND ROAD FOREST SHADOW CIRCLE	ANYTIME UNLESS OTHERWISE DIRECTED BY THE ENGINEER

D) DO NOT STOP TRAFFIC AS FOLLOWS:

<u>ROAD NAME</u>	<u>DAY AND TIME RESTRICTIONS</u>	<u>DURATION AND OPERATION</u>
NORTHCROSS DRIVE EAGLERIDGE WAY LANE WESTMORELAND ROAD WESTWIND POINT DRIVE DEER VALLEY DRIVE ARROWHEAD PLACE LANE FOREST SHADOW CIRCLE	6:00 AM TO 9:00 AM 4:00 PM TO 7:00 PM MONDAY THRU FRIDAY	15 MINUTES, TRAFFIC OPERATIONS

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

- REMOVE LANE CLOSURE DEVICES FROM THE LANE WHEN WORK IS NOT BEING PERFORMED BEHIND THE LANE CLOSURE OR WHEN A LANE CLOSURE IS NO LONGER NEEDED OR AS DIRECTED BY THE ENGINEER.**
 - WHEN PERSONNEL AND/OR EQUIPMENT ARE WORKING WITHIN 15 FT OF AN OPEN TRAVEL LANE, CLOSE THE NEAREST OPEN SHOULDER USING ROADWAY STANDARD DRAWING NO. 1101.04 UNLESS THE WORK AREA IS PROTECTED BY BARRIER OR GUARDRAIL OR A LANE CLOSURE IS INSTALLED.**
 - WHEN PERSONNEL AND/OR EQUIPMENT ARE WORKING ON THE SHOULDER ADJACENT TO AN UNDIVIDED FACILITY AND WITHIN 5 FT OF AN OPEN TRAVEL LANE, CLOSE THE NEAREST OPEN TRAVEL LANE USING ROADWAY STANDARD DRAWING NO. 1101.02 UNLESS THE WORK AREA IS PROTECTED BY BARRIER OR GUARDRAIL.**
- WHEN PERSONNEL AND/OR EQUIPMENT ARE WORKING ON THE SHOULDER ADJACENT TO A DIVIDED FACILITY AND WITHIN 10 FT OF AN OPEN TRAVEL LANE, CLOSE THE NEAREST OPEN TRAVEL LANE USING ROADWAY STANDARD DRAWING NO. 1101.02 UNLESS THE WORK AREA IS PROTECTED BY BARRIER OR GUARDRAIL.**
- 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

- BACKFILL AT A 6:1 SLOPE UP TO THE EDGE AND ELEVATION OF EXISTING PAVEMENT IN AREAS ADJACENT TO AN OPENED TRAVEL LANE THAT HAS AN EDGE OF PAVEMENT DROP-OFF AS FOLLOWS:**
 - BACKFILL DROP-OFFS THAT EXCEED 2 INCHES ON ROADWAYS WITH POSTED SPEED LIMITS OF 45 MPH OR GREATER.**
 - BACKFILL DROP-OFFS THAT EXCEED 3 INCHES ON ROADWAYS WITH POSTED SPEED LIMITS LESS THAN 45 MPH.**
 - BACKFILL WITH SUITABLE COMPACTED MATERIAL, AS APPROVED BY THE ENGINEER, AT NO EXPENSE TO THE DEPARTMENT.**
- DO NOT EXCEED A DIFFERENCE OF 2 INCHES IN ELEVATION BETWEEN OPEN LANES OF TRAFFIC FOR NOMINAL LIFTS OF 1.5 INCHES. INSTALL ADVANCE WARNING "UNEVEN LANES" SIGNS (W8-11) 500 ft IN ADVANCE AND A MINIMUM OF EVERY HALF MILE THROUGHOUT THE UNEVEN AREA.**

TRAFFIC PATTERN ALTERATIONS

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

SIGNING

- INSTALL ADVANCE WORK ZONE WARNING SIGNS WHEN WORK IS WITHIN 40 FT FROM THE EDGE OF TRAVEL LANE AND NO MORE THAN THREE (3) DAYS PRIOR TO THE BEGINNING OF CONSTRUCTION.**
- PROVIDE SIGNING AND DEVICES REQUIRED TO CLOSE THE ROAD ACCORDING TO THE ROADWAY STANDARD DRAWINGS AND TRAFFIC CONTROL PLANS.**
 - PROVIDE SIGNING REQUIRED FOR THE OFF-SITE DETOUR ROUTE AS SHOWN IN THE TRAFFIC CONTROL PLANS.**
- 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.**
- ENSURE ALL NECESSARY SIGNING IS IN PLACE PRIOR TO ALTERING ANY TRAFFIC PATTERN.**
- 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.**
 - **NOT RECOMMENDED FOR WESTMORELAND ROAD****

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GENERAL NOTES (CONT.)

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), 1170 (TRAFFIC BARRIER) 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

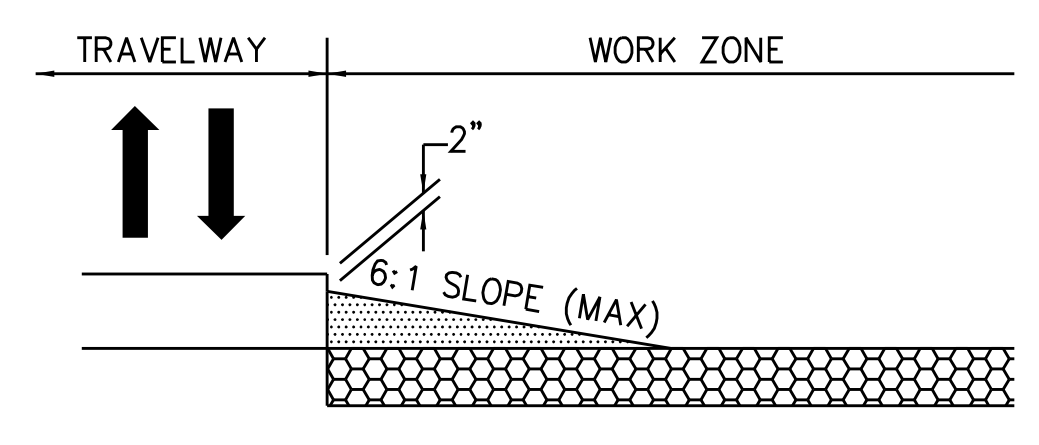
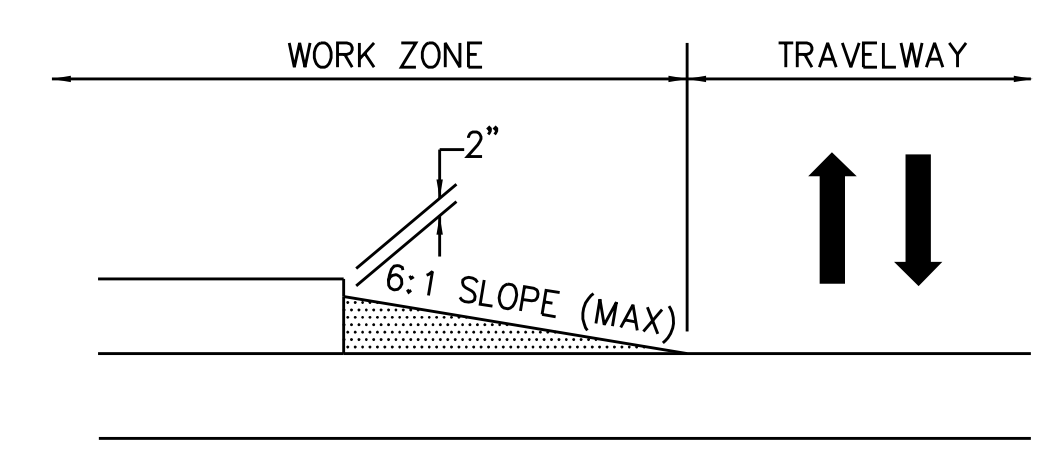
- U) INSTALL TEMPORARY PAVEMENT MARKINGS AND TEMPORARY PAVEMENT MARKERS ON INTERIM LAYERS OF PAVEMENT AS FOLLOWS:

ROAD NAME	MARKING	MARKER
ALL ROADS	PAINT	NONE

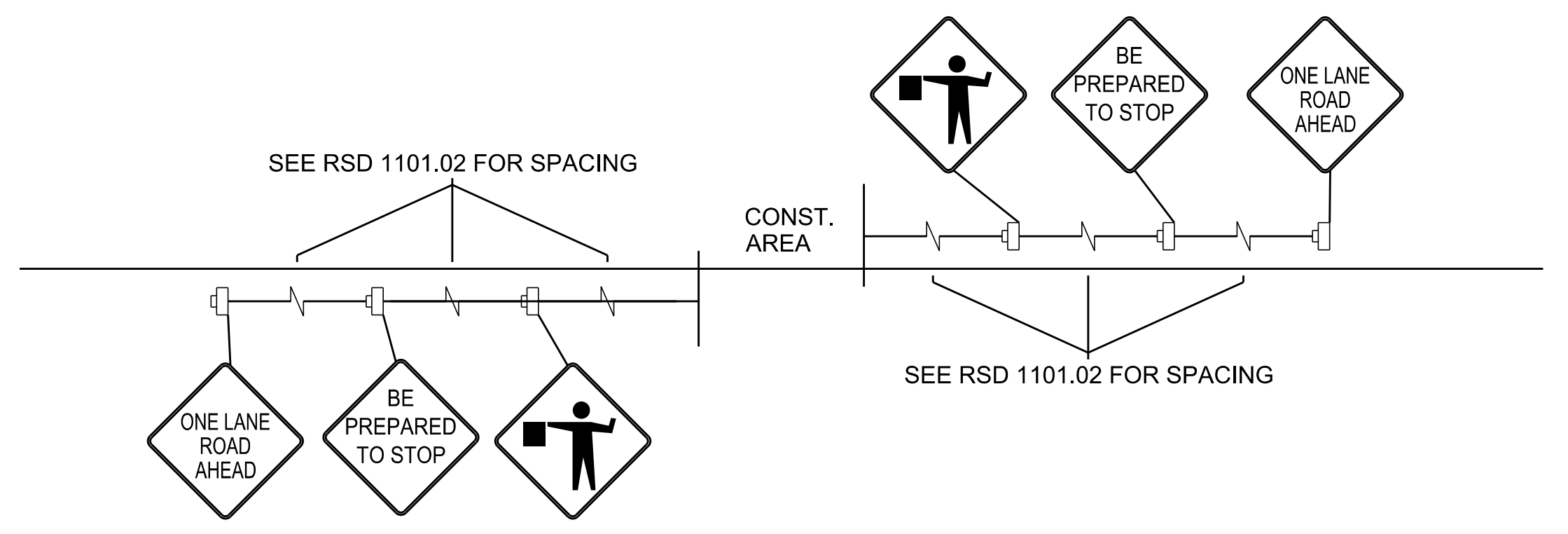
- V) PLACE ONE APPLICATION OF PAINT FOR TEMPORARY TRAFFIC PATTERNS. PLACE A SECOND APPLICATION OF PAINT SIX (6) MONTHS AFTER THE INITIAL APPLICATION AND EVERY SIX MONTHS AS DIRECTED BY THE ENGINEER.
- W) TIE PROPOSED PAVEMENT MARKING LINES TO EXISTING PAVEMENT MARKING LINES.
- X) REMOVE/REPLACE ANY CONFLICTING/DAMAGED PAVEMENT MARKINGS AND MARKERS BY THE END OF EACH DAY'S OPERATION.
- Y) TRACE THE 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

- 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) AND RESPECTIVELY IN ADVANCE OF THE UNEVEN AREAS. USE DRUMS TO DELINEATE THE EDGE OF ROADWAY ALONG UNPAVED AREAS. ****NOT RECOMMENDED FOR WESTMORELAND ROAD****
- BB) ALL WHEELCHAIR 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.

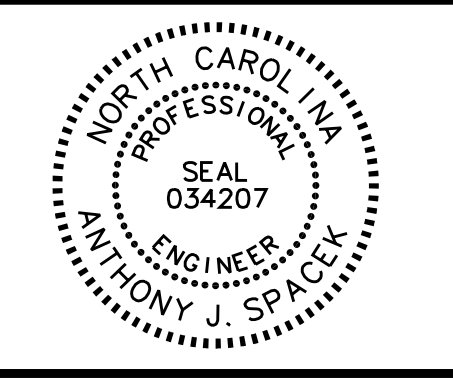
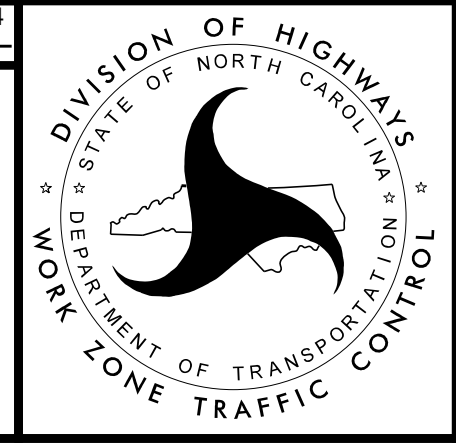


TEMPORARY PAVEMENT WEDGING DETAILS



SIGN DETAIL FOR FLAGGER OPERATIONS

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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

CONSTRUCTION PHASING

PHASE 1

STEP 1:

INSTALL ROAD CLOSURE BARRICADES AS SHOWN ON SHEET TMP-4 AND DETOUR SIGNS AS SHOWN ON SHEET TMP-5 (IN ACCORDANCE WITH NCDOT STD. DWG. 1101.03 SHEET 1 OF 9) TO MAINTAIN GREENWAY CONNECTIVITY DURING CONSTRUCTION OF BRIDGE CROSSING OVER GREENWAY.

AT LEAST ONE LANE OF TRAFFIC MUST BE MAINTAINED AT ALL TIMES WITH ACCESS TO THE NOVANT HEALTH DRIVEWAY BETWEEN APPROXIMATELY -L- STA. 33+85 AND -L- STA. 39+52.70 USING TEMPORARY LANE CLOSURE AND FLAGGER CONTROL IN ACCORDANCE WITH NCDOT STD. DWG. 1101.02.

STEP 2:

AWAY FROM TRAFFIC, WHILE MAINTAINING EXISTING TRAFFIC PATTERNS, THE EXISTING GREENWAY, AND ACCESS TO ALL PROPERTIES, CONSTRUCT THE FOLLOWING:

- NEW LOCATION: -L- NORTHCROSS DRIVE FROM -L- STA. 39+52.70 TO -L- STA. 94+14.81 INCLUDING BOTH PROPOSED SHOULDER AND PROPOSED CURB & GUTTER SECTIONS
- NEW BRIDGE: -L- NORTHCROSS DRIVE FROM -L- STA. 73+46.00 TO -L- STA. 74+56.00
- NEW GREENWAY: -GW-L- NORTHCROSS DRIVE FROM -GW-L- STA. 10+00.00 TO -GW-L- STA 16+62.38

AND ALL ASSOCIATED DRAINAGE AS SHOWN ON SHEET TMP-4.

INSTALL TEMPORARY PAVEMENT MARKINGS IN ACCORDANCE WITH NCDOT STD. DWGS. 1205.01, 1205.02, 1205.04, AND 1205.05.

PHASE 2

STEP 1:

INSTALL TEMPORARY PAVEMENT MARKINGS AND PORTABLE SIGNALS IN ACCORDANCE WITH NCDOT STD. DWGS. 1101.02, 1205.01, 1205.02, 1205.04, 1205.05, 1205.07, 1205.09, 1205.13, 1205.14, 1250.01, AND 1251.01 AT THE FOLLOWING LOCATIONS.

- L- NORTHCROSS DRIVE
- Y6- WESTMORELAND ROAD

SHIFT TRAFFIC ONTO TEMPORARY PATTERN.

INSTALL DETOUR SIGNS AS SHOWN ON SHEET TMP-12 (IN ACCORDANCE WITH NCDOT STD. DWG. 1101.03 SHEET 1 OF 9) TO MAINTAIN SIDEWALK CONNECTIVITY DURING CONSTRUCTION OF PROPOSED IMPROVEMENTS.

STEP 2:

WHILE MAINTAINING TRAFFIC USING NCDOT STD. DWG. 1101.03 FOR TEMPORARY ROAD CLOSURES, REMOVE EXISTING PAVEMENT ALONG THE FOLLOWING AS SHOWN ON SHEETS TMP-6 THRU TMP-8; TMP-10:

- L- NORTHCROSS DRIVE
- L1- EAGLERIDGE WAY LANE

STEP 3:

WHILE MAINTAINING TRAFFIC USING NCDOT STD. DWG. 1101.02 FOR TEMPORARY LANE CLOSURES, CONSTRUCT PROPOSED IMPROVEMENTS ALONG THE FOLLOWING AS SHOWN ON SHEETS TMP-6 THRU TMP-11:

COMPLETE THE WORK OF PHASE 2, STEP 3A ON RIGHT SIDE OF NORTHCROSS DRIVE IN 60 CONSECUTIVE CALENDAR DAYS. SEE INTERMEDIATE CONTRACT TIME AND LIQUIDATED DAMAGES.

- A) -L- NORTHCROSS DRIVE (RIGHT) FROM STA. 26+27.00 TO -L- STA. 39+30.36 AND -L- STA. 94+14.81 TO -L- STA. 94+55.00

*NOTE: CONSTRUCT CURB & GUTTER, SIDEWALK, DRAINAGE, AND PAVEMENT UP TO EDGE AND ELEVATION OF EXISTING, OR UP TO, BUT NOT INCLUDING, FINAL LAYER OF SURFACE COURSE. LEAVE THE FINAL LAYER UNTIL THE END OF CONSTRUCTION, THEN PLACE ULTIMATE SURFACE COURSE EVERYWHERE AT ONCE.

**NOTE: FOR REMOVAL SECTIONS, CONSTRUCTION TO CONTINUE UNTIL TRAFFIC CAN BE PLACED ONTO A TWO-WAY TRAFFIC PATTERN.

- B) -L1- EAGLERIDGE WAY LANE FROM -L1- STA. 10+00.00 TO STA. 18+50.00

*NOTE: CONSTRUCT CURB & GUTTER, SIDEWALK, DRAINAGE, AND PAVEMENT UP TO EDGE AND ELEVATION OF EXISTING, OR UP TO, BUT NOT INCLUDING, FINAL LAYER OF SURFACE COURSE. LEAVE THE FINAL LAYER UNTIL THE END OF CONSTRUCTION, THEN PLACE ULTIMATE SURFACE COURSE EVERYWHERE AT ONCE.

- Y4- FROM -Y4- STA. 10+13.00 TO -Y4- STA. 10+50.00

- Y5- ARROWHEAD PLACE LANE FROM -Y5- STA. 10+32.30 TO -Y5- STA. 10+70.00

- Y6- WESTMORELAND ROAD (RIGHT) FROM -Y6- STA. 2+34.82 TO -Y6- STA. 25+85.14

*NOTE: CONSTRUCT SHOULDER, CURB & GUTTER, SIDEWALK, DRAINAGE, AND PAVEMENT UP TO EDGE AND ELEVATION OF EXISTING, OR UP TO, BUT NOT INCLUDING, FINAL LAYER OF SURFACE COURSE. LEAVE THE FINAL LAYER UNTIL THE END OF CONSTRUCTION THEN PLACE ULTIMATE SURFACE COURSE EVERYWHERE AT ONCE.

AND ALL ASSOCIATED DRAINAGE AS SHOWN ON SHEETS TMP-6 THRU TMP-11.

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

CONTRACTOR TO MAINTAIN ACCESS TO DRIVEWAYS AS SHOWN ON SHEET TMP-10 AT ALL TIMES DURING CONSTRUCTION.

WHERE SIDEWALKS REMAIN ACCESSIBLE, ACCOMMODATE PEDESTRIANS ACCORDING TO ADA COMPLIANCE, STANDARDS, AND REQUIREMENTS.

WHERE SIDEWALKS BECOME UNACCESSIBLE, PROVIDE ALTERNATE ROUTE FOR PEDESTRIANS ACCORDING TO ADA COMPLIANCE, STANDARDS, AND REQUIREMENTS.

WHERE BIKE LANES BECOME UNACCESSIBLE, PROVIDE ALTERNATE ROUTE FOR PEDESTRIANS ACCORDING TO ADA COMPLIANCE, STANDARDS, AND REQUIREMENTS.

PHASE 3

STEP 1:

REMOVE TEMPORARY PAVEMENT MARKINGS FROM PHASE 2, STEP 1. INSTALL NEW TEMPORARY PAVEMENT MARKINGS IN ACCORDANCE WITH NCDOT STD. DWGS. 1205.01, 1205.02, 1205.04, 1205.05, 1205.07, 1205.09, 1205.13, 1205.14, 1250.01, AND 1251.01 AT THE FOLLOWING LOCATIONS.

- L- NORTHCROSS DRIVE
- L1- EAGLERIDGE WAY LANE
- Y6- WESTMORELAND ROAD

SHIFT TRAFFIC ONTO NEW TEMPORARY PATTERN.

STEP 2:

WHILE MAINTAINING TRAFFIC USING NCDOT STD. DWG. 1101.03 FOR TEMPORARY ROAD CLOSURES, REMOVE EXISTING PAVEMENT ALONG THE FOLLOWING AS SHOWN ON SHEETS TMP-13 THRU TMP-14; TMP-16:

- L- NORTHCROSS DRIVE (LEFT) FROM -L- STA. 27+65.00 TO -L- STA. 39+52.59
- Y6- WESTMORELAND ROAD (LEFT) FROM -Y6- STA. 2+39.22 TO -Y6- STA. 25+98.89

STEP 3:

WHILE MAINTAINING TRAFFIC USING NCDOT STD. DWG. 1101.02 FOR TEMPORARY LANE CLOSURES, CONSTRUCT PROPOSED IMPROVEMENTS ALONG THE FOLLOWING AS SHOWN ON SHEETS TMP-13 THRU TMP-17:

COMPLETE THE WORK OF PHASE 3, STEP 3A ON NORTHCROSS DRIVE IN 135 CONSECUTIVE CALENDAR DAYS. SEE INTERMEDIATE CONTRACT TIME AND LIQUIDATED DAMAGES.

- A) -L- NORTHCROSS DRIVE (LEFT) FROM -L- STA. 27+65.00 TO -L- STA. 39+50.00

*NOTE: CONSTRUCT CURB & GUTTER, SIDEWALK TO -L- STA. 43+60.00 (LT), NOISE WALL, BARRIER, GUARDRAIL, DRAINAGE, AND PAVEMENT UP TO EDGE AND ELEVATION OF EXISTING, OR UP TO, BUT NOT INCLUDING, FINAL LAYER OF SURFACE COURSE. LEAVE THE FINAL LAYER UNTIL THE END OF CONSTRUCTION, THEN PLACE ULTIMATE SURFACE COURSE EVERYWHERE AT ONCE.

**NOTE: FOR REMOVAL SECTIONS, CONSTRUCTION TO CONTINUE UNTIL TRAFFIC CAN BE PLACED ONTO A TWO-WAY TRAFFIC PATTERN.

- B) -Y6- WESTMORELAND ROAD (LEFT) FROM -Y6- STA. 5+10.26 TO -Y6- STA. 16+00.00 AND -Y6- STA. 20+50.00 TO -Y6- STA. 25+59.95

*NOTE: CONSTRUCT SHOULDER, CURB & GUTTER, SIDEWALK, DRAINAGE, AND PAVEMENT UP TO EDGE AND ELEVATION OF EXISTING, OR UP TO, BUT NOT INCLUDING, FINAL LAYER OF SURFACE COURSE. LEAVE THE FINAL LAYER UNTIL THE END OF CONSTRUCTION, THEN PLACE ULTIMATE SURFACE COURSE EVERYWHERE AT ONCE.

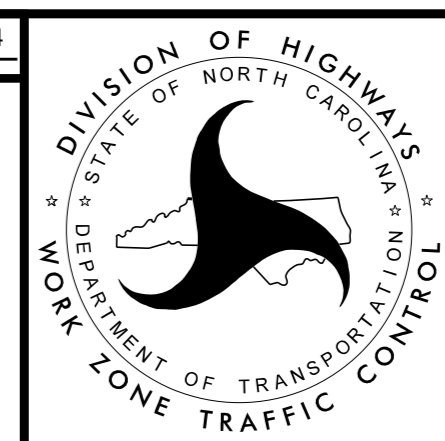
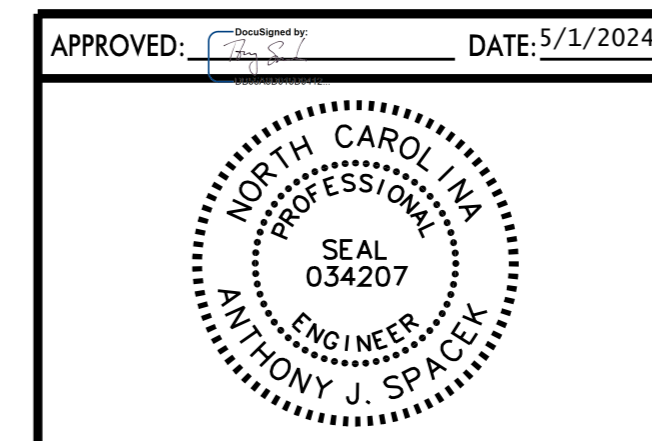
- C) -Y7- FOREST SHADOW CIRCLE FROM -Y7- STA. 10+00.00 TO -Y7- STA. 10+85.00

*NOTE: MAINTAIN ACCESS TO FOREST SHADOW CIRCLE DURING CONSTRUCTION.

AND ALL ASSOCIATED DRAINAGE AS SHOWN ON SHEETS TMP-13 THRU TMP-17.

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Kimley»Horn



PHASING

CONSTRUCTION PHASING

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

CONTRACTOR TO MAINTAIN ACCESS TO DRIVEWAYS AS SHOWN ON SHEETS TMP-13 AND TMP-16 AT ALL TIMES DURING CONSTRUCTION.

WHERE SIDEWALKS REMAIN ACCESSIBLE, ACCOMMODATE PEDESTRIANS ACCORDING TO ADA COMPLIANCE, STANDARDS, AND REQUIREMENTS.

WHERE SIDEWALKS BECOME UNACCESSIBLE, PROVIDE ALTERNATE ROUTE FOR PEDESTRIANS ACCORDING TO ADA COMPLIANCE, STANDARDS, AND REQUIREMENTS.

WHERE BIKE LANES BECOME UNACCESSIBLE, PROVIDE ALTERNATE ROUTE FOR PEDESTRIANS ACCORDING TO ADA COMPLIANCE, STANDARDS, AND REQUIREMENTS.

PHASE 4

COMPLETE THE FDR WORK, INCLUDING THE DOUBLE SEAL, BUT EXCLUDING THE S9.5 SURFACE COURSES ON -L- AND -L1-, OF PHASE 4, STEP 1 AND STEP 3A IN 30 CONSECUTIVE CALENDAR DAYS. SEE INTERMEDIATE CONTRACT TIME AND LIQUIDATED DAMAGES.

STEP 1:

WHILE MAINTAINING TRAFFIC USING NCDOT STD. DWG. 1101.02 FOR TEMPORARY LANE CLOSURES, CONSTRUCT PROPOSED IMPROVEMENTS ALONG THE FOLLOWING AS SHOWN ON SHEET TMP-20.

-L1- EAGLERIDGE WAY LANE

*NOTE: CONSTRUCT FULL DEPTH RECLAMATION (FDR), OR UP TO, BUT NOT INCLUDING, FINAL LAYER OF SURFACE COURSE. LEAVE THE FINAL LAYER UNTIL THE END OF CONSTRUCTION, THEN PLACE ULTIMATE SURFACE COURSE EVERYWHERE AT ONCE.

OPEN -L- NORTHCROSS DRIVE TO TRAFFIC UPON COMPLETION OF -L1- EAGLERIDGE WAY LANE FDR WORK.

REMOVE TEMPORARY PAVEMENT MARKINGS FROM PHASE 3, STEP 1. INSTALL NEW TEMPORARY PAVEMENT MARKINGS IN ACCORDANCE WITH NCDOT STD. DWGS. 1205.01, 1205.02, 1205.04, 1205.05, 1205.07, 1205.09, 1205.13, 1205.14, 1250.01, AND 1251.01 AT THE FOLLOWING LOCATIONS.

-Y6- WESTMORELAND ROAD

USING NIGHTTIME CLOSURES, SHIFT TRAFFIC ONTO ROUNDABOUT PATTERN DURING OFF-PEAK HOURS (7:00 PM TO 6:00 AM).

STEP 2:

WHILE MAINTAINING TRAFFIC USING NCDOT STD. DWG. 1101.03 FOR TEMPORARY ROAD CLOSURES, REMOVE EXISTING PAVEMENT ALONG THE FOLLOWING AS SHOWN ON SHEET TMP-22:

-Y6- WESTMORELAND ROAD FROM -Y6- STA. 3+39.13 TO -Y6- STA. 25+64.48

STEP 3:

WHILE MAINTAINING TRAFFIC USING NCDOT STD. DWG. 1101.02 FOR TEMPORARY LANE CLOSURES, CONSTRUCT PROPOSED IMPROVEMENTS ALONG THE FOLLOWING AS SHOWN ON SHEETS TMP-18 THRU TMP-23.

CONSTRUCT TRUCK APRON AND PROPOSED IMPROVEMENTS AS SHOWN ON SHEETS TMP-18 THRU TMP-23:

A) -L- NORTHCROSS DRIVE

*NOTE: CONSTRUCT FULL DEPTH RECLAMATION (FDR), OR UP TO, BUT NOT INCLUDING, FINAL LAYER OF SURFACE COURSE. INSTALL TEMPORARY PAVEMENT MARKINGS IN ACCORDANCE WITH NCDOT STD. DWGS. 1205.01, 1205.02, 1205.04, 1205.05., AND 1205.09. LEAVE THE FINAL LAYER UNTIL THE END OF CONSTRUCTION, THEN PLACE ULTIMATE SURFACE COURSE EVERYWHERE AT ONCE.

**NOTE: FOR FULL DEPTH RECLAMATION (FDR) FROM -L- STA. 11+88.00 TO -L- STA. 27+66.79, USE FLAGGER CONTROL IN ACCORDANCE WITH NCDOT STD. DWG. 1101.02 AND RETURN TO EXISTING TRAFFIC PATTERN AT THE END OF EACH WORK DAY. RESTORE PAVEMENT MARKINGS AFTER RESURFACING EACH SIDE OF ROADWAY.

COMPLETE THE WORK OF PHASE 4, STEP 3B IN 30 CONSECUTIVE CALENDAR DAYS. SEE INTERMEDIATE CONTRACT TIME AND LIQUIDATED DAMAGES.

B) -Y6- WESTMORELAND ROAD

*NOTE: CONSTRUCT CURB & GUTTER, TRUCK APRON, DRAINAGE, AND PAVEMENT UP TO EDGE AND ELEVATION OF EXISTING, OR UP TO, BUT NOT INCLUDING, FINAL LAYER OF SURFACE COURSE. LEAVE THE FINAL LAYER UNTIL THE END OF CONSTRUCTION, THEN PLACE ULTIMATE SURFACE COURSE EVERYWHERE AT ONCE.

AND ALL ASSOCIATED DRAINAGE AS SHOWN ON SHEETS TMP-18 THRU TMP-23.

PHASE 5

STEP 1:

REMOVE NECESSARY TEMPORARY PAVEMENT MARKINGS FROM PHASE 4, STEP 1. INSTALL NEW TEMPORARY PAVEMENT MARKINGS IN ACCORDANCE WITH NCDOT STD. DWGS. 1205.01, 1205.02, 1205.04, 1205.05, 1205.07, 1205.09, 1205.13, 1205.14, 1250.01, AND 1251.01 AT THE FOLLOWING LOCATIONS.

-L1- EAGLERIDGE WAY LANE
-Y6- WESTMORELAND ROAD

USING NIGHTTIME CLOSURES, SHIFT TRAFFIC ONTO ROUNDABOUT PATTERN DURING OFF-PEAK HOURS (7:00 PM TO 6:00 AM).

COMPLETE THE WORK OF PHASE 5, STEP 2 IN 30 CONSECUTIVE CALENDAR DAYS. SEE INTERMEDIATE CONTRACT TIME AND LIQUIDATED DAMAGES.

STEP 2:

WHILE MAINTAINING TRAFFIC USING NCDOT STD. DWG. 1101.02 FOR TEMPORARY LANE CLOSURES, CONSTRUCT PROPOSED IMPROVEMENTS ALONG THE FOLLOWING AS SHOWN ON SHEETS TMP-24 THRU TMP-26:

CONSTRUCT CONCRETE ISLANDS AND PROPOSED IMPROVEMENTS AS SHOWN ON SHEETS TMP-24 THRU TMP-26:

-L1- EAGLERIDGE WAY LANE FROM -L1- STA. 14+57.57 TO -L1- STA. 19+94.53

*NOTE: CONSTRUCT CONCRETE MEDIAN AND PAVEMENT UP TO EDGE AND ELEVATION OF EXISTING, OR UP TO, BUT NOT INCLUDING, FINAL LAYER OF SURFACE COURSE. LEAVE THE FINAL LAYER UNTIL THE END OF CONSTRUCTION, THEN PLACE ULTIMATE SURFACE COURSE EVERYWHERE AT ONCE.

-Y6- WESTMORELAND ROAD FROM -Y6- STA. 3+39.13 TO -Y6- STA. 25+64.48

*NOTE: CONSTRUCT CONCRETE MEDIAN AND PAVEMENT UP TO EDGE AND ELEVATION OF EXISTING, OR UP TO, BUT NOT INCLUDING, FINAL LAYER OF SURFACE COURSE. LEAVE THE FINAL LAYER UNTIL THE END OF CONSTRUCTION, THEN PLACE ULTIMATE SURFACE COURSE EVERYWHERE AT ONCE.

AND ALL ASSOCIATED DRAINAGE AS SHOWN ON SHEETS TMP-24 THRU TMP-26.

COMPLETE THE WORK OF STEP 2 IN 30 CONSECUTIVE CALENDAR DAYS. SEE INTERMEDIATE CONTRACT TIME AND LIQUIDATED DAMAGES.

STEP 3:

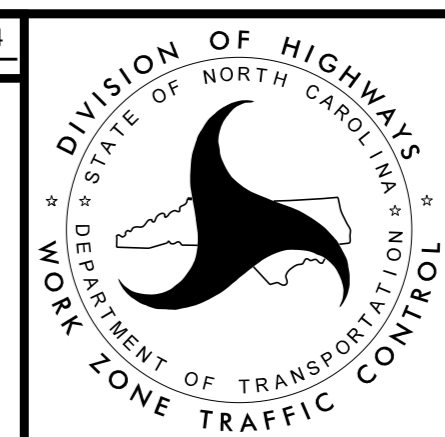
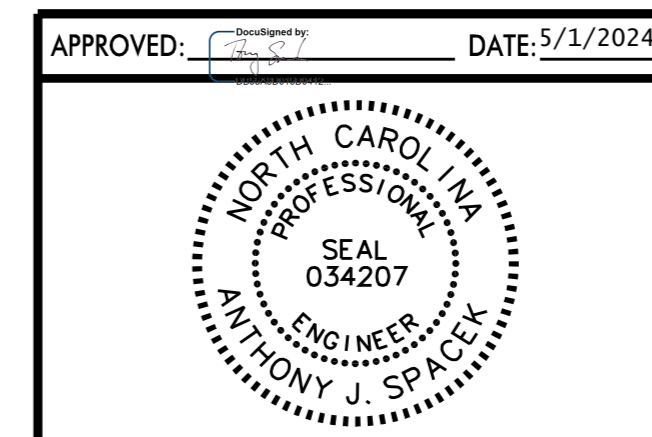
USING NCDOT STD. DWG. 1101.02 SHEETS 1 & 2, PLACE FINAL LAYER OF ASPHALT, FINAL PAVEMENT MARKINGS, AND SIGNING FOR THE ENTIRE LENGTH OF THE FOLLOWING ALIGNMENTS:

-L- NORTHCROSS DRIVE
-L1- EAGLERIDGE WAY LANE
-Y1- WESTWIND POINT DRIVE
-Y2-
-Y3- DEER VALLEY DRIVE
-Y4-
-Y5- ARROWHEAD PLACE LANE
-Y6- WESTMORELAND ROAD
-Y7- FOREST SHADOW CIRCLE
-Y8-

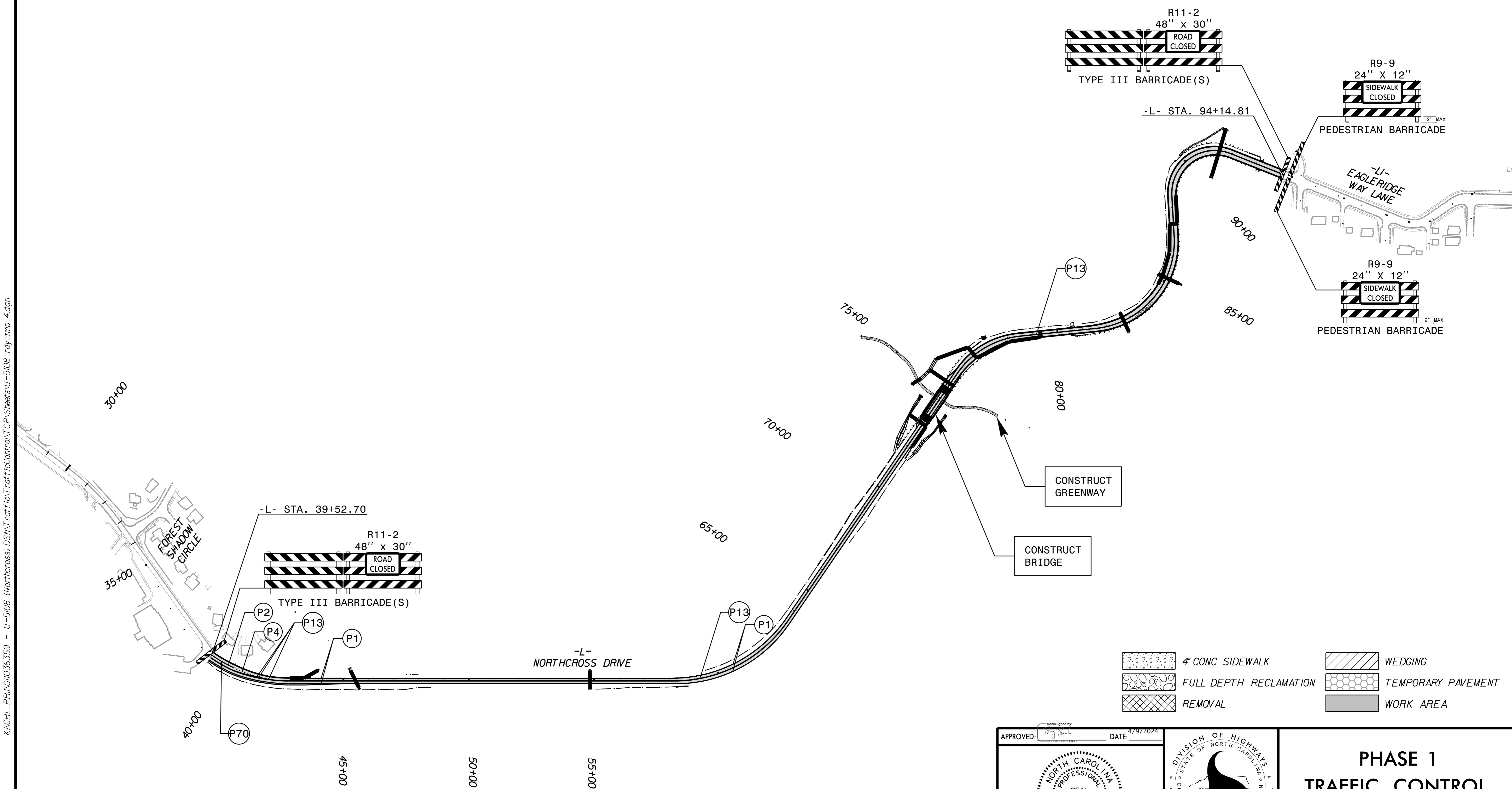
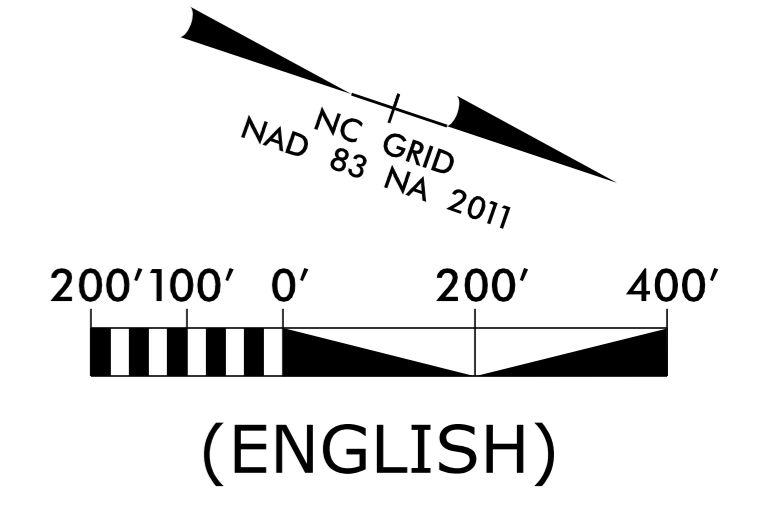
SHIFT TRAFFIC ONTO FINAL PATTERN, OPEN ALL LANES TO TRAFFIC, AND REMOVE ALL TRAFFIC CONTROL DEVICES.

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4/30/2024



PHASING

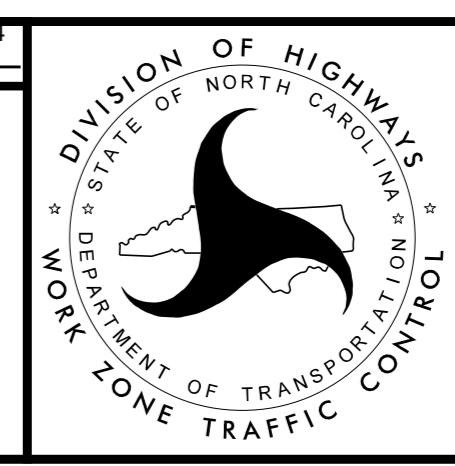


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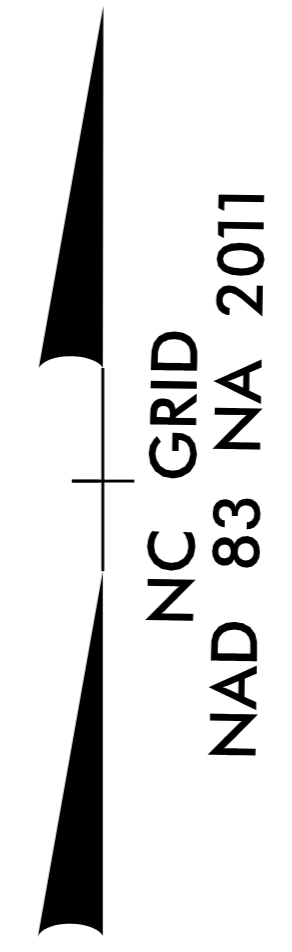
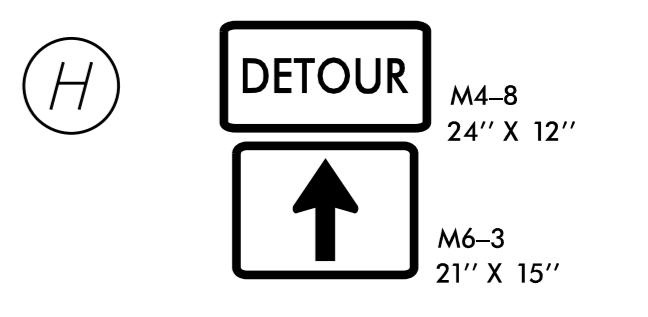
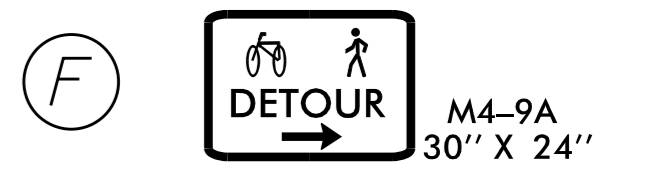
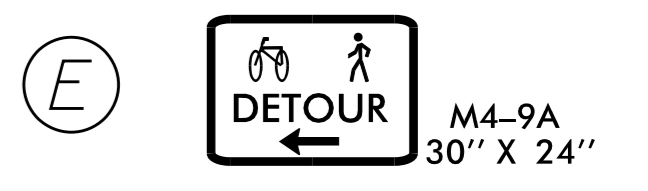
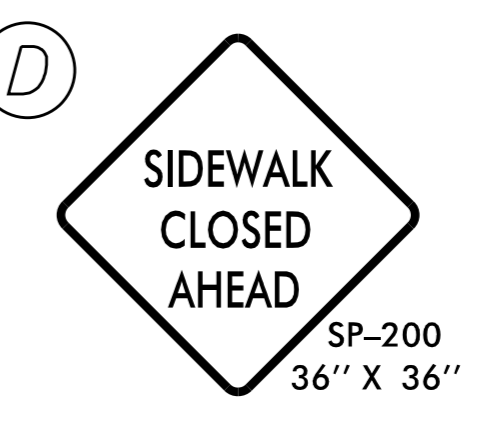
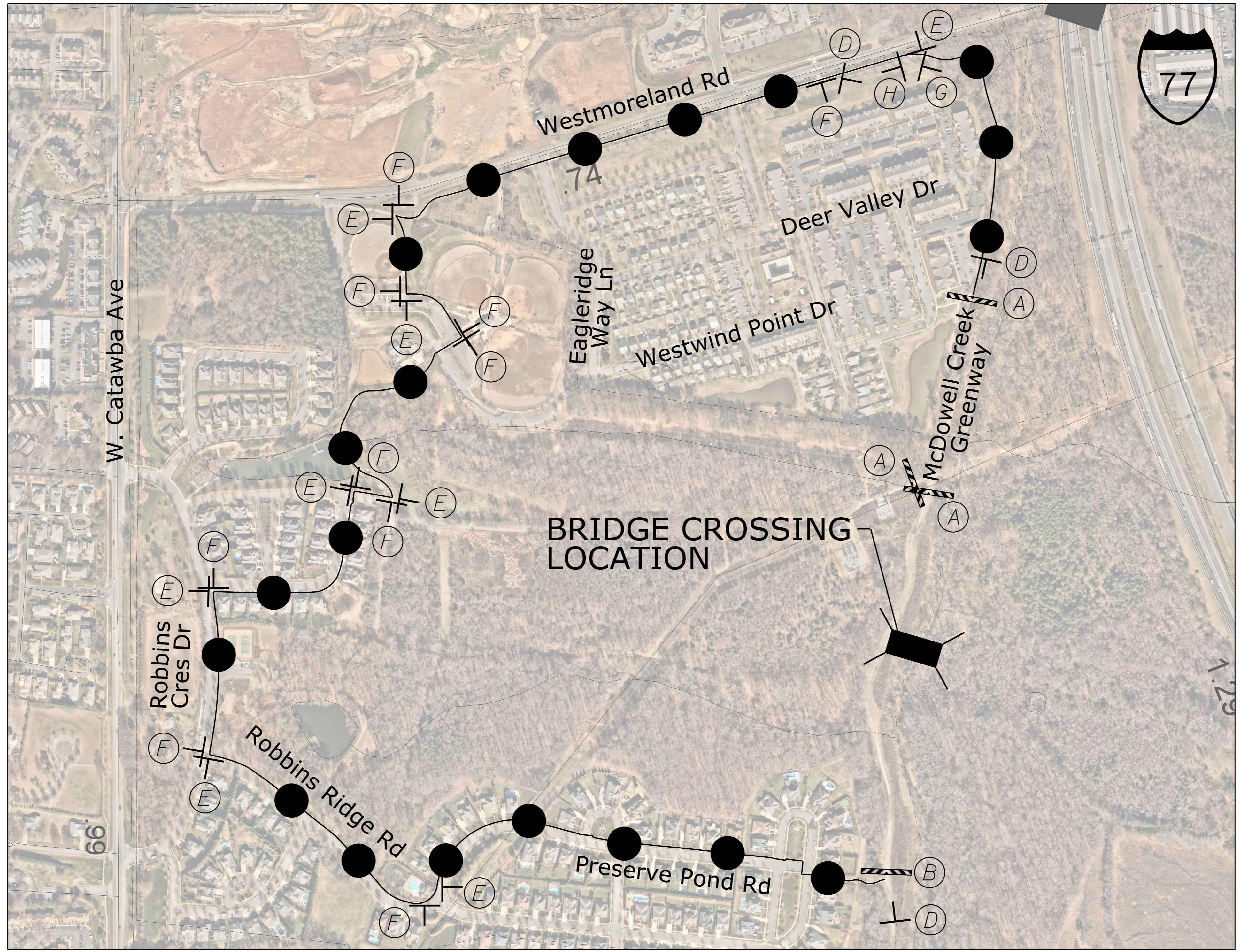
4/8/2024



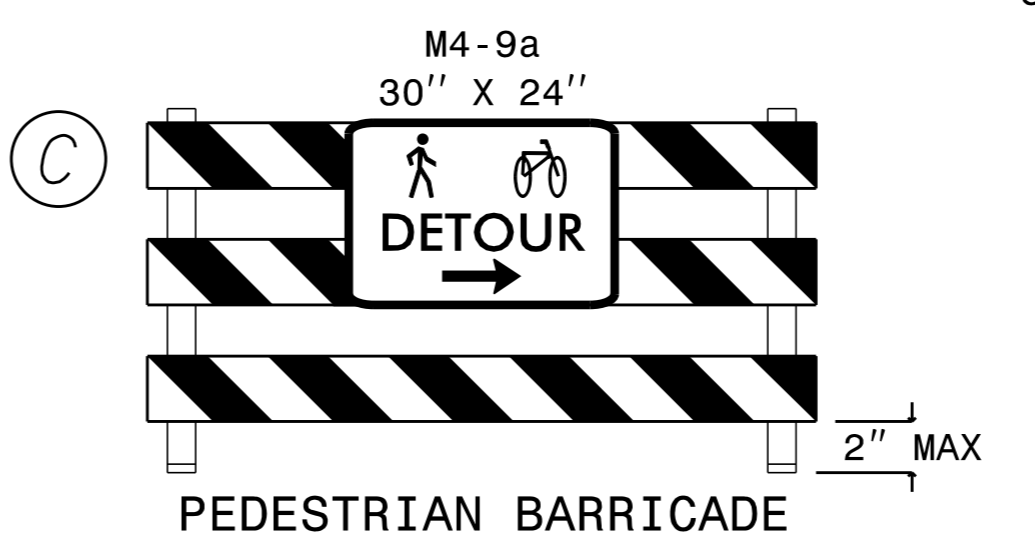
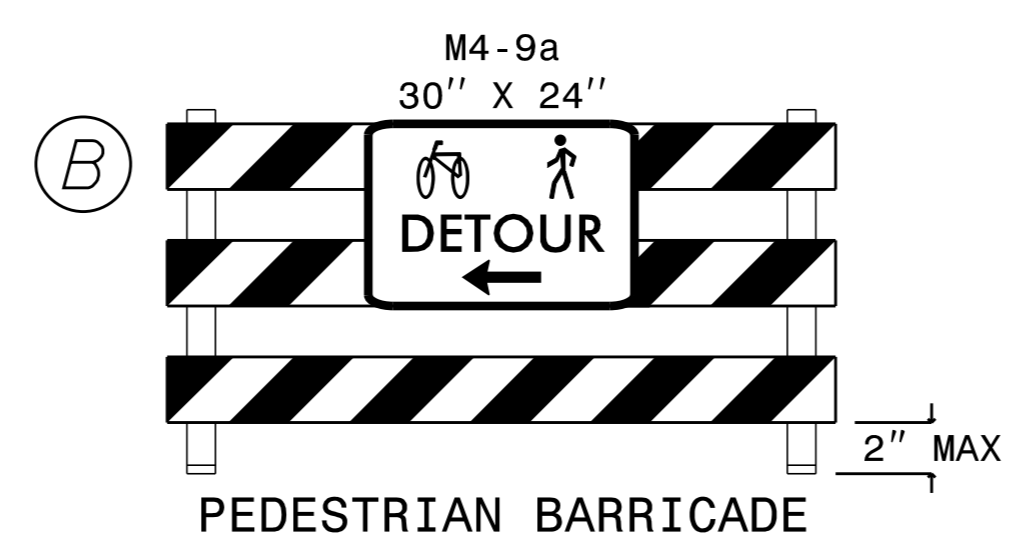
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**PHASE 1
TRAFFIC CONTROL
OVERVIEW**



SCALE: 1" = 500'

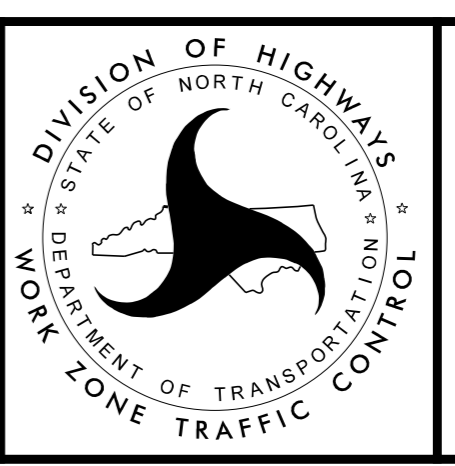
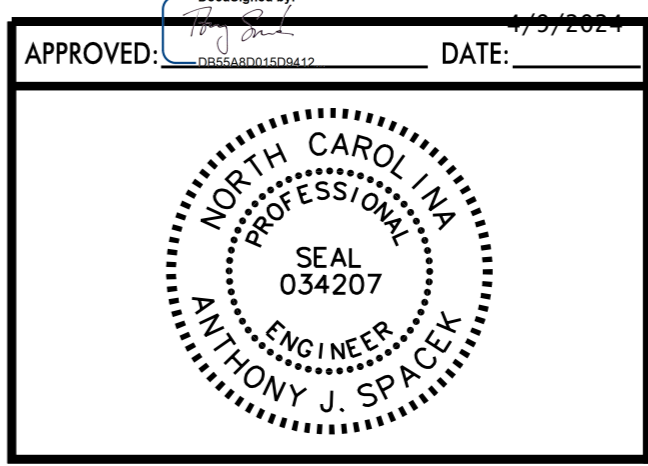


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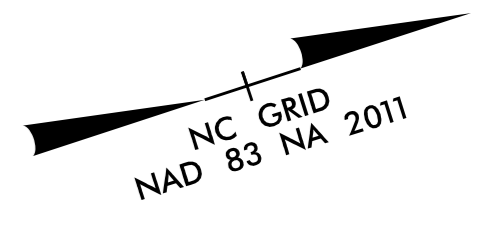
NOTE:
REFER TO RSD 1101.03 SHEET 1 OF 9
FOR ADVANCE WARNING SIGNAGE
AND BARRICADE PLACEMENT

LEGEND	
	EXISTING PAVED PATH/SIDEWALK
	BARRICADE
	STATIONARY SIGN

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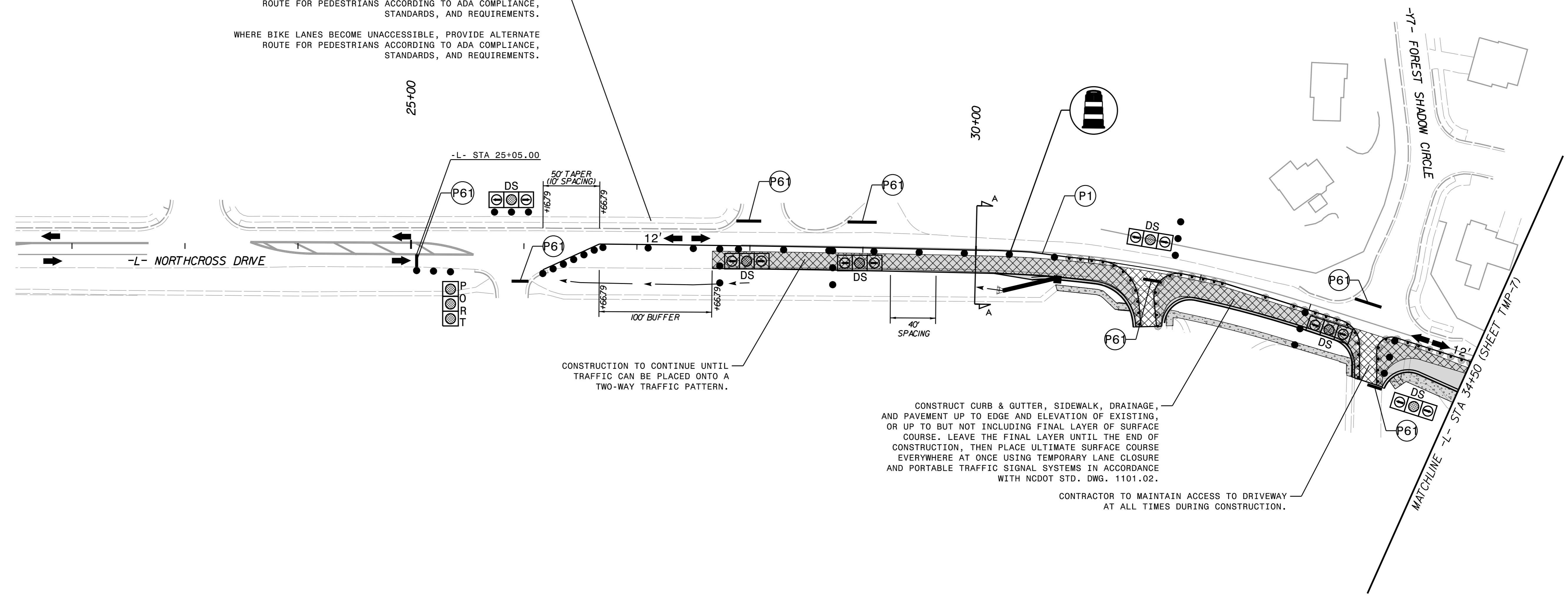
**PHASE 1
GREENWAY
DETOUR PLAN**



WHERE SIDEWALKS REMAIN ACCESSIBLE, ACCOMMODATE PEDESTRIANS ACCORDING TO ADA COMPLIANCE, STANDARDS, AND REQUIREMENTS.

WHERE SIDEWALKS BECOME UNACCESSIBLE, PROVIDE ALTERNATE ROUTE FOR PEDESTRIANS ACCORDING TO ADA COMPLIANCE, STANDARDS, AND REQUIREMENTS.

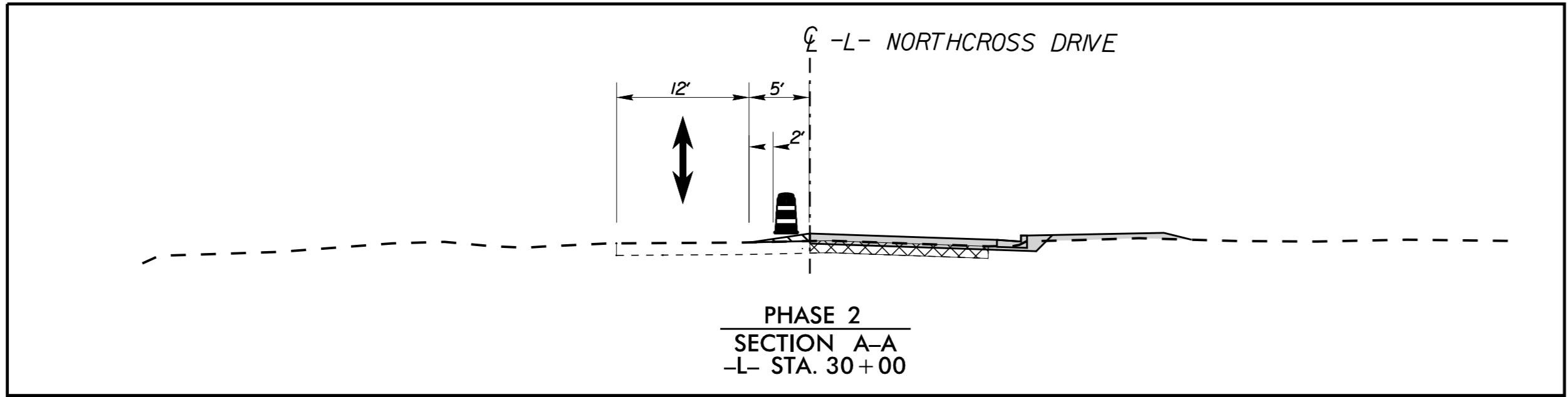
WHERE BIKE LANES BECOME UNACCESSIBLE, PROVIDE ALTERNATE ROUTE FOR PEDESTRIANS ACCORDING TO ADA COMPLIANCE, STANDARDS, AND REQUIREMENTS.



CONSTRUCTION TO CONTINUE UNTIL TRAFFIC CAN BE PLACED ONTO A TWO-WAY TRAFFIC PATTERN.

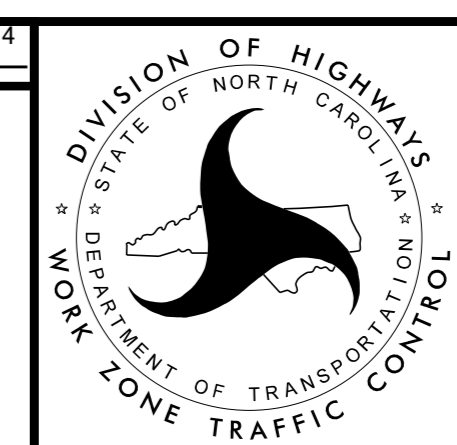
CONSTRUCT CURB & GUTTER, SIDEWALK, DRAINAGE, AND PAVEMENT UP TO EDGE AND ELEVATION OF EXISTING, OR UP TO BUT NOT INCLUDING FINAL LAYER OF SURFACE COURSE. LEAVE THE FINAL LAYER UNTIL THE END OF CONSTRUCTION, THEN PLACE ULTIMATE SURFACE COURSE EVERYWHERE AT ONCE USING TEMPORARY LANE CLOSURE AND PORTABLE TRAFFIC SIGNAL SYSTEMS IN ACCORDANCE WITH NCDOT STD. DWG. 1101.02.

CONTRACTOR TO MAINTAIN ACCESS TO DRIVEWAY AT ALL TIMES DURING CONSTRUCTION.



- 4' CONC SIDEWALK
- FULL DEPTH RECLAMATION
- REMOVAL
- WEDGING
- TEMPORARY PAVEMENT
- WORK AREA

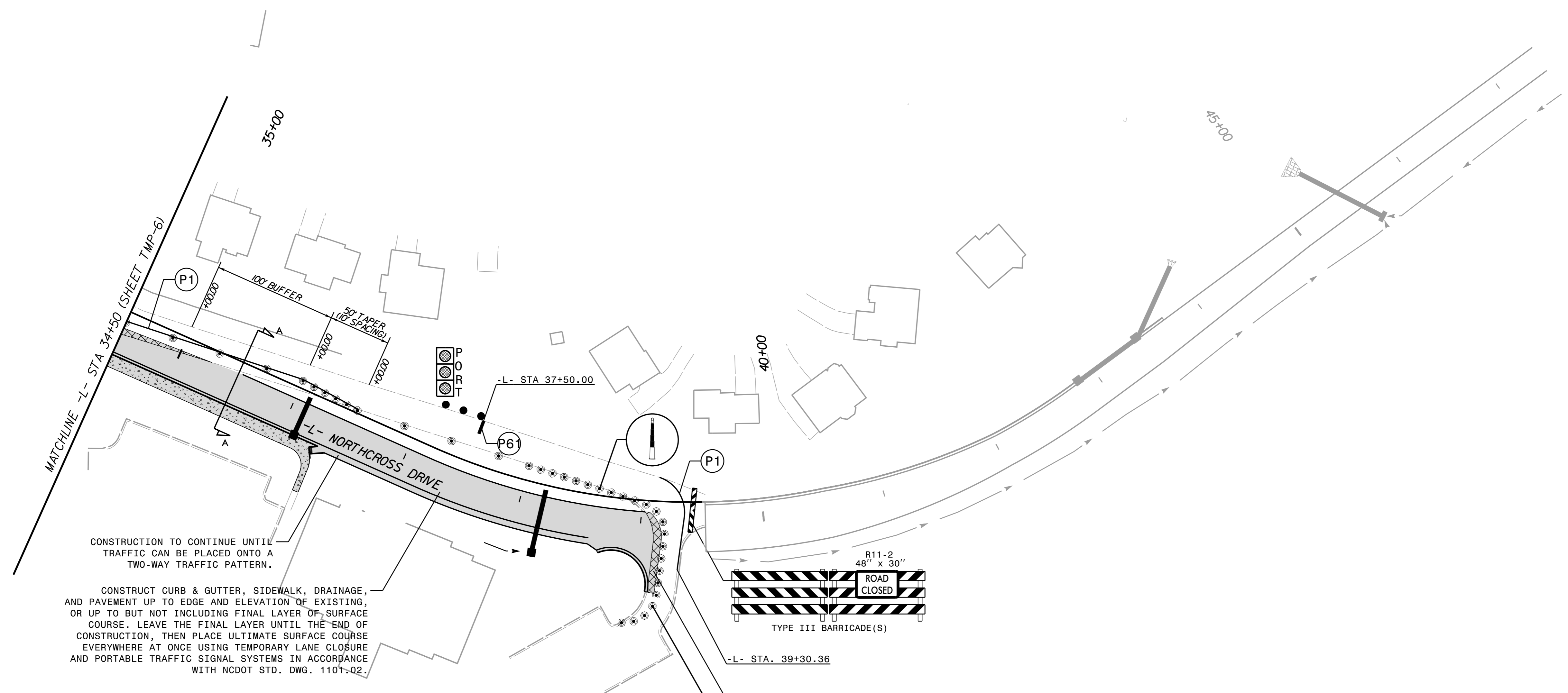
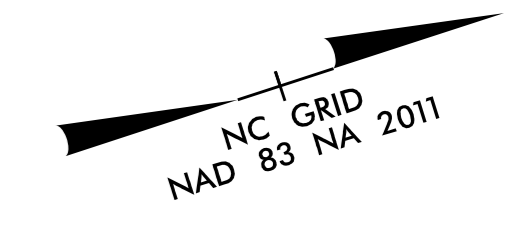
APPROVED: _____ DATE: 4/9/2024



**PHASE 2
TRAFFIC CONTROL
DETAILS**

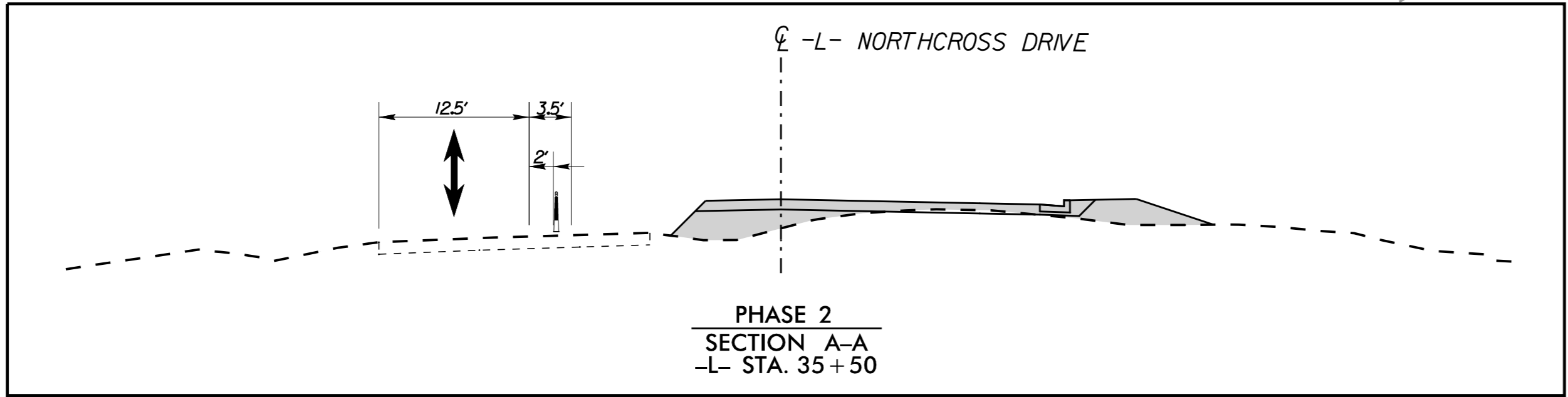


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CONSTRUCTION TO CONTINUE UNTIL TRAFFIC CAN BE PLACED ONTO A TWO-WAY TRAFFIC PATTERN.

CONSTRUCT CURB & GUTTER, SIDEWALK, DRAINAGE, AND PAVEMENT UP TO EDGE AND ELEVATION OF EXISTING, OR UP TO BUT NOT INCLUDING FINAL LAYER OF SURFACE COURSE. LEAVE THE FINAL LAYER UNTIL THE END OF CONSTRUCTION, THEN PLACE ULTIMATE SURFACE COURSE EVERYWHERE AT ONCE USING TEMPORARY LANE CLOSURE AND PORTABLE TRAFFIC SIGNAL SYSTEMS IN ACCORDANCE WITH NCDOT STD. DWG. 1101-02.

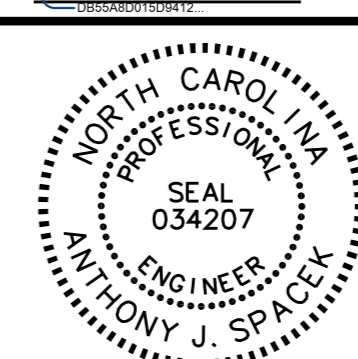


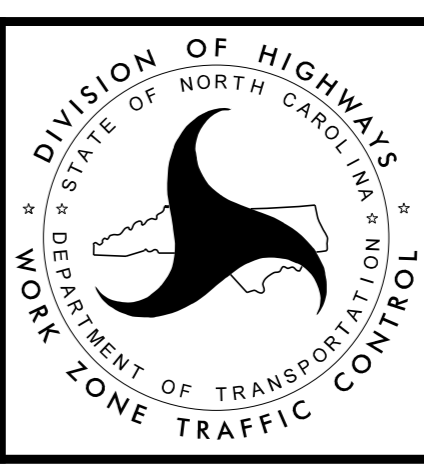
- 4" CONC SIDEWALK
- FULL DEPTH RECLAMATION
- REMOVAL
- WEDGING
- TEMPORARY PAVEMENT
- WORK AREA

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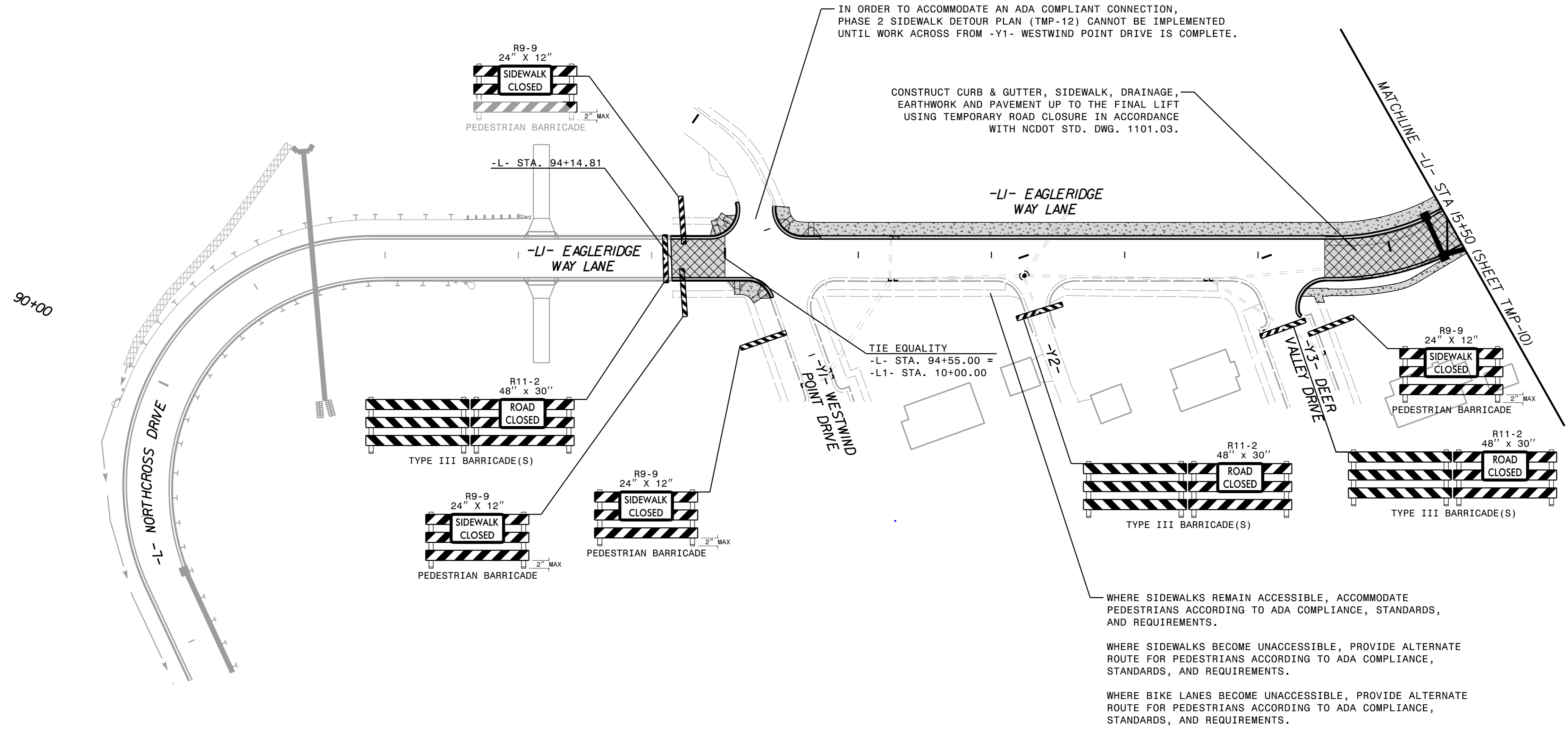
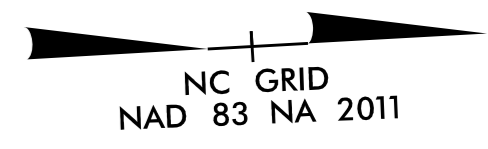
4/8/2024



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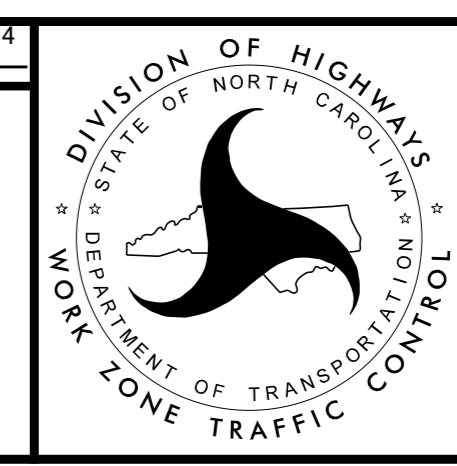
**PHASE 2
TRAFFIC CONTROL
DETAILS**



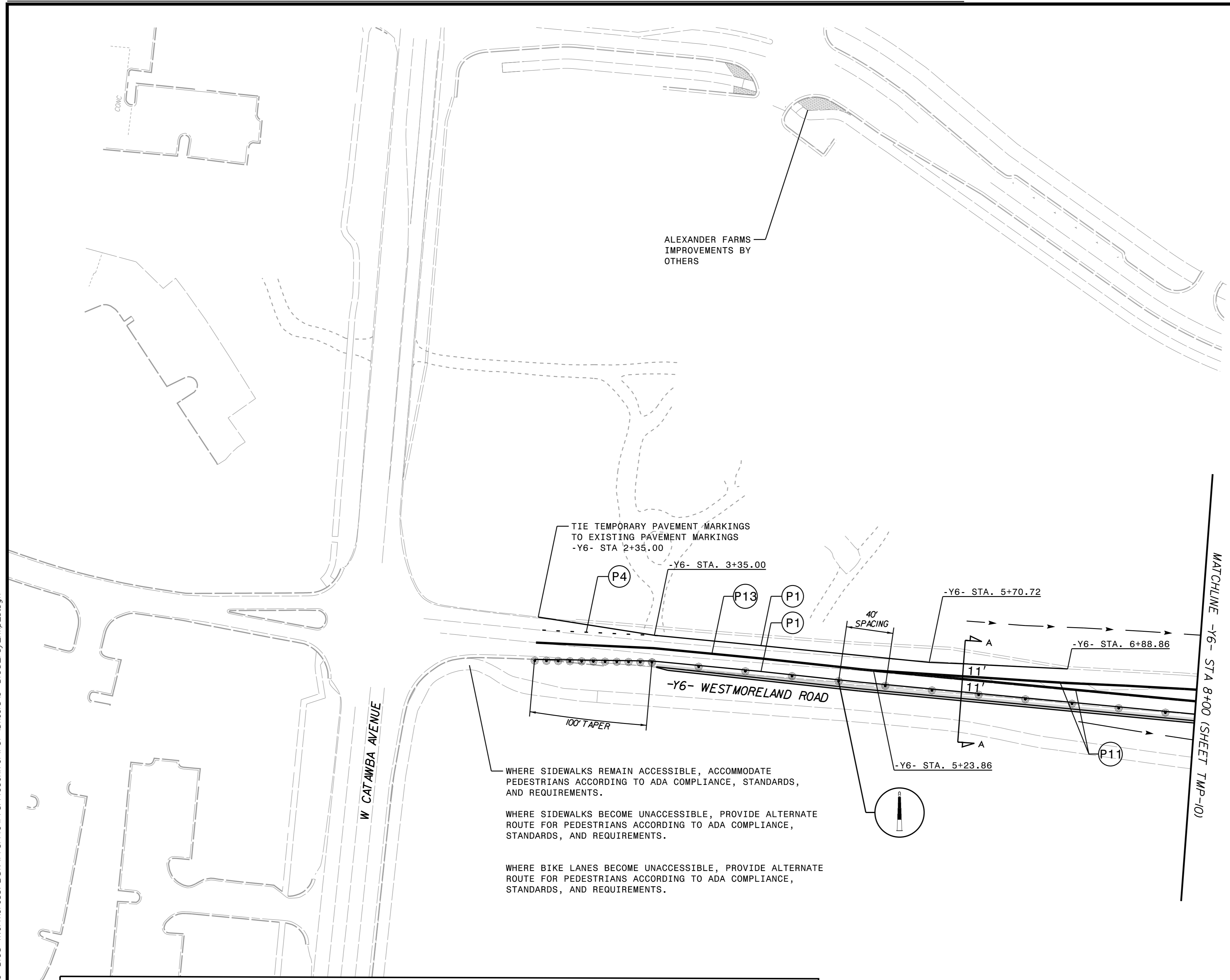
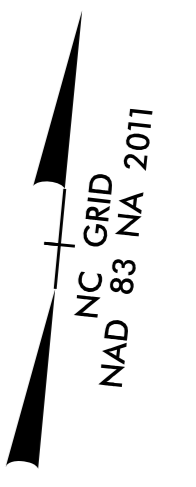
	4" CONC SIDEWALK		WEDGING
	FULL DEPTH RECLAMATION		TEMPORARY PAVEMENT
	REMOVAL		WORK AREA

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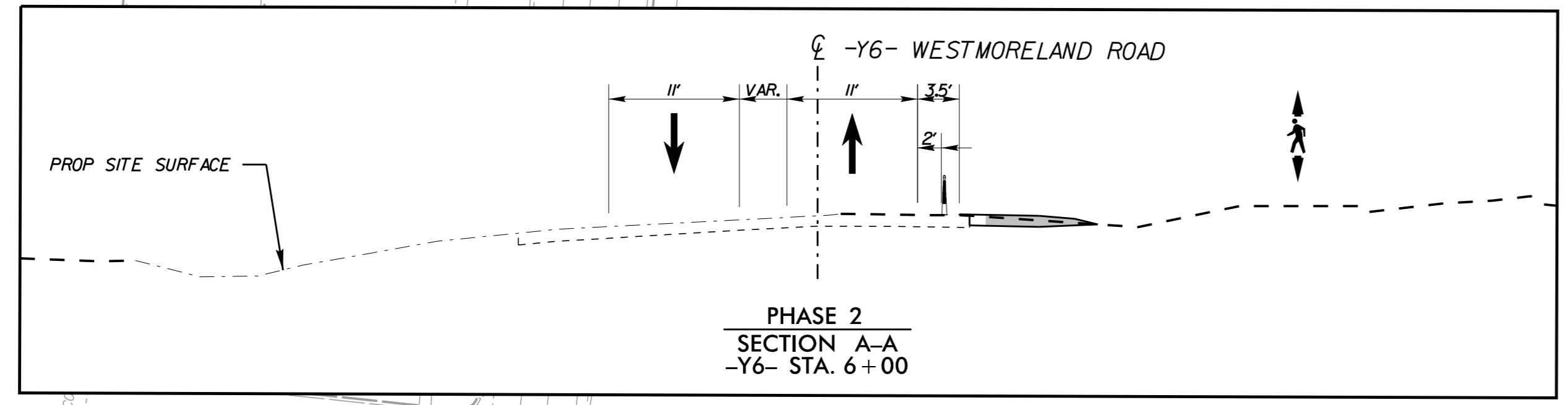
PHASE 2 TRAFFIC CONTROL DETAILS



WHERE SIDEWALKS REMAIN ACCESSIBLE, ACCOMMODATE PEDESTRIANS ACCORDING TO ADA COMPLIANCE, STANDARDS, AND REQUIREMENTS.

WHERE SIDEWALKS BECOME UNACCESSIBLE, PROVIDE ALTERNATE ROUTE FOR PEDESTRIANS ACCORDING TO ADA COMPLIANCE, STANDARDS, AND REQUIREMENTS.

WHERE BIKE LANES BECOME UNACCESSIBLE, PROVIDE ALTERNATE ROUTE FOR PEDESTRIANS ACCORDING TO ADA COMPLIANCE, STANDARDS, AND REQUIREMENTS.



- | | |
|------------------------|--------------------|
| 4" CONC SIDEWALK | WEDGING |
| FULL DEPTH RECLAMATION | TEMPORARY PAVEMENT |
| REMOVAL | WORK AREA |

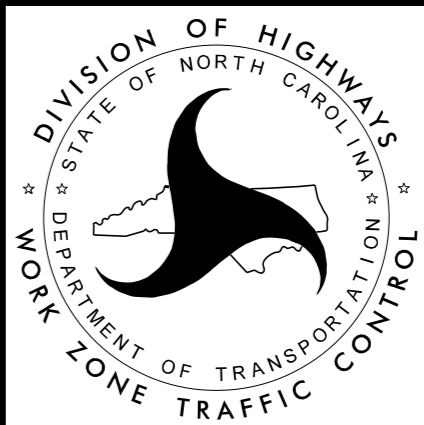
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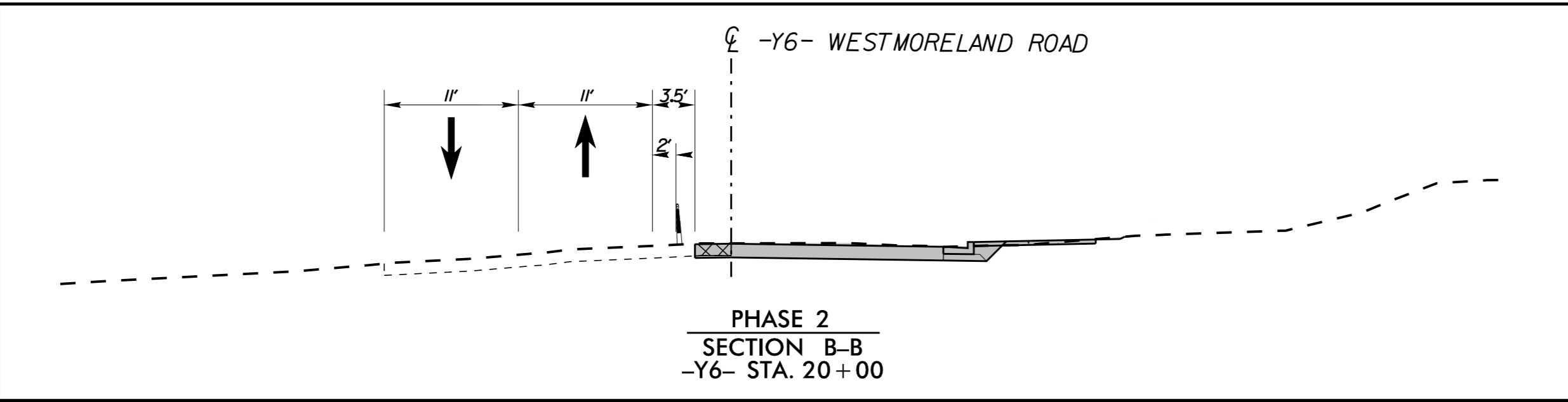
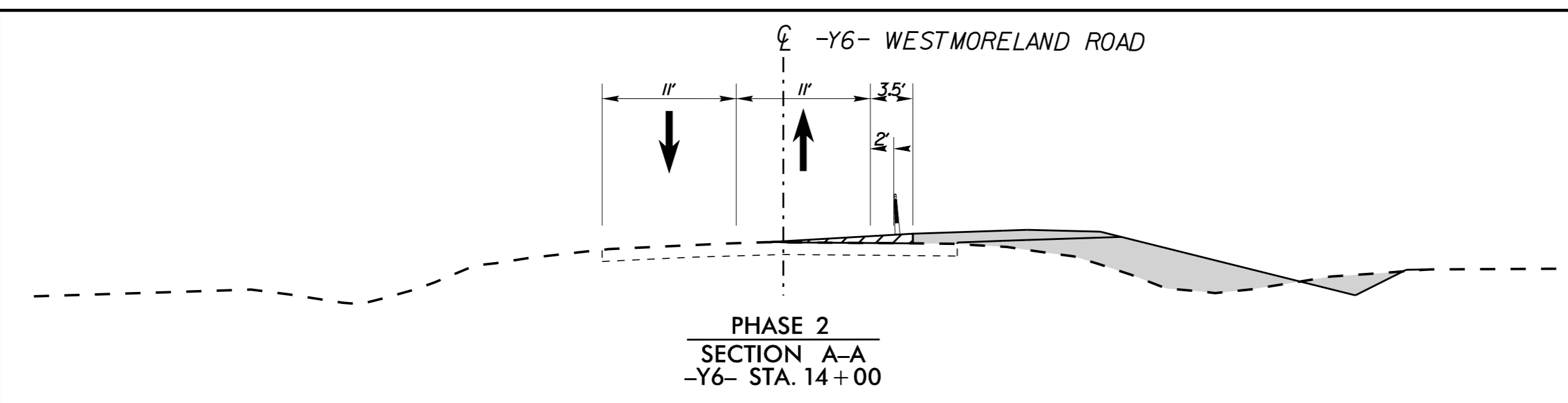
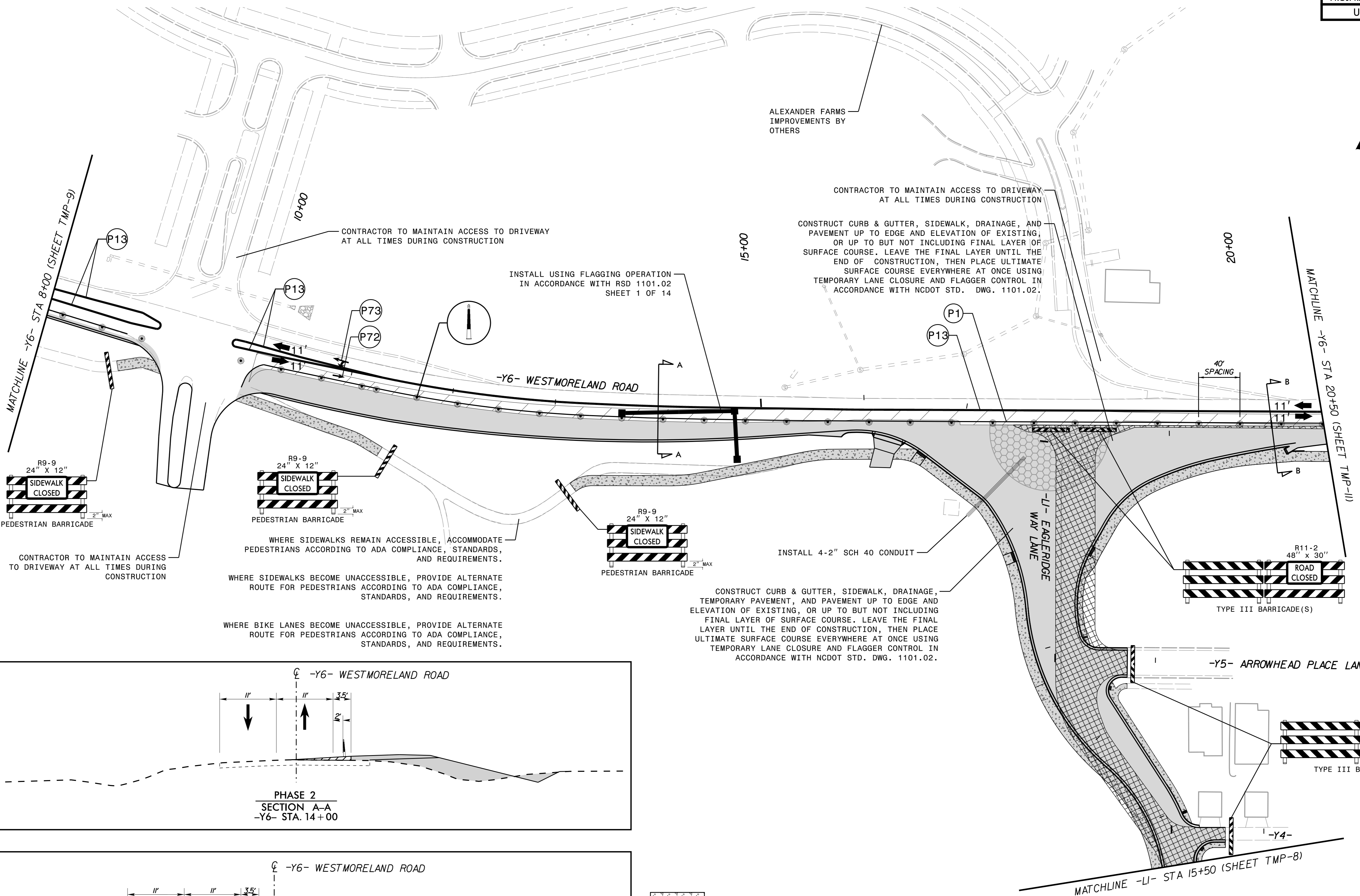
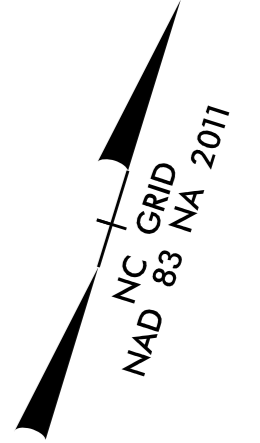
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DESIGNED BY:

SEAL 034207
ENGINEER
ANTHONY J. SPICK

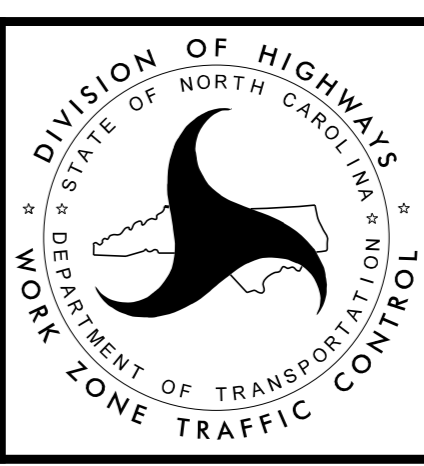
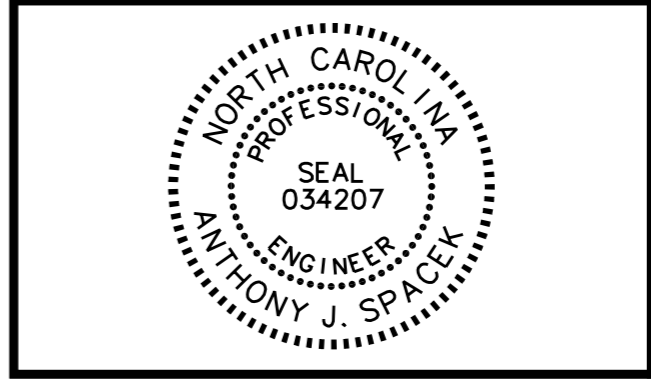


**PHASE 2
TRAFFIC CONTROL
DETAILS**



- 4' CONC SIDEWALK
- FULL DEPTH RECLAMATION
- REMOVAL
- WEDGING
- TEMPORARY PAVEMENT
- WORK AREA

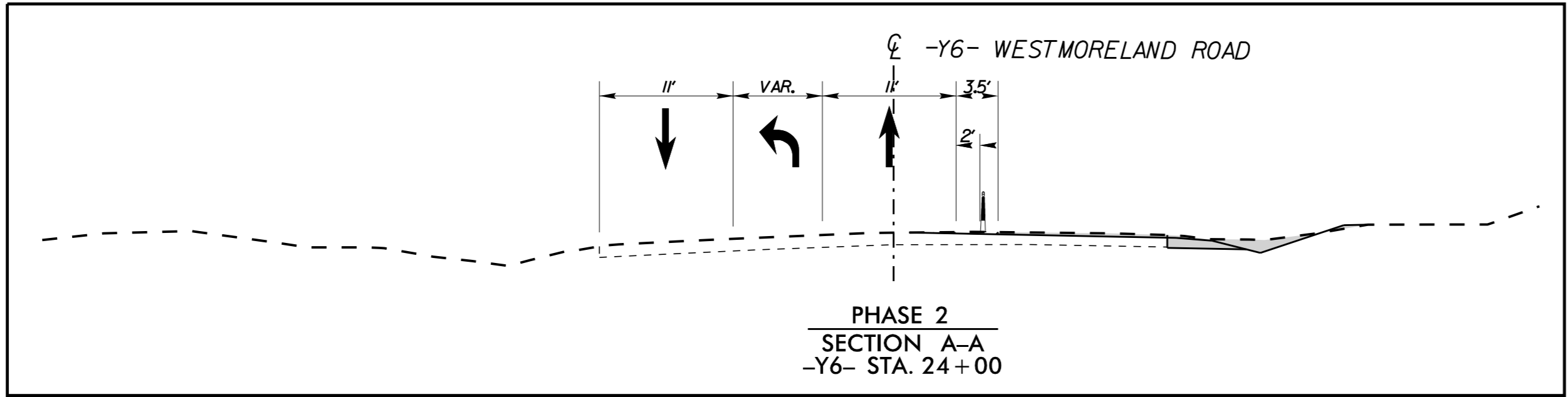
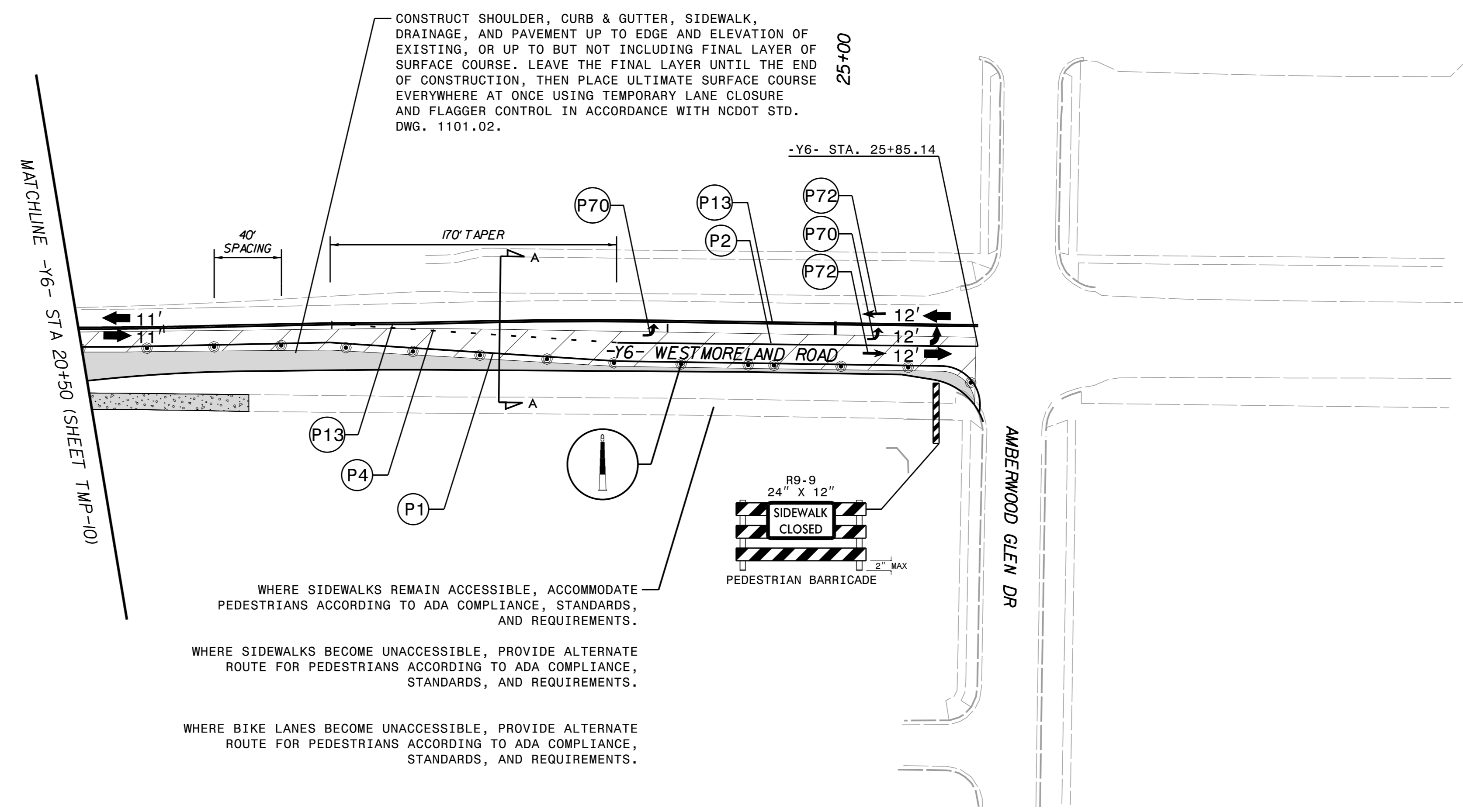
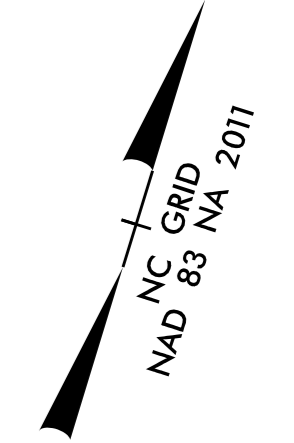
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PHASE 2 TRAFFIC CONTROL DETAILS

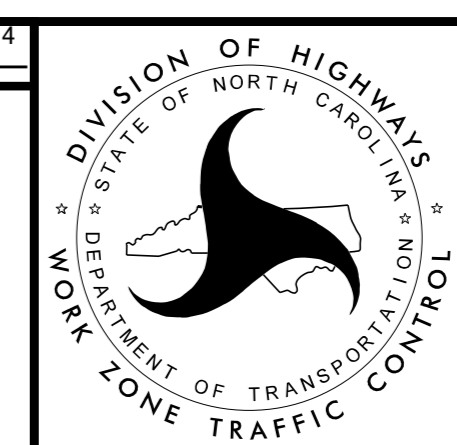
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- 4' CONC SIDEWALK
- FULL DEPTH RECLAMATION
- REMOVAL
- WEDGING
- TEMPORARY PAVEMENT
- WORK AREA

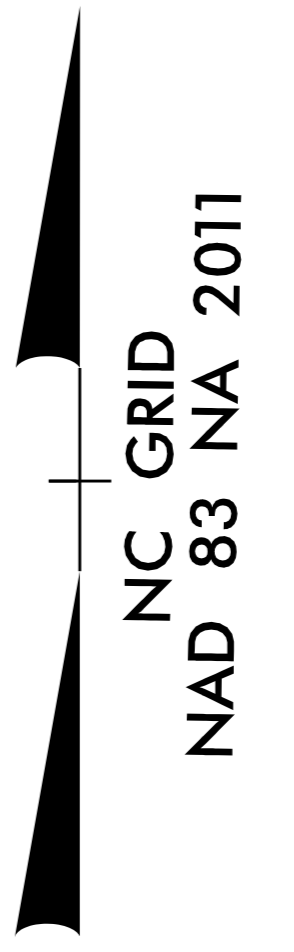
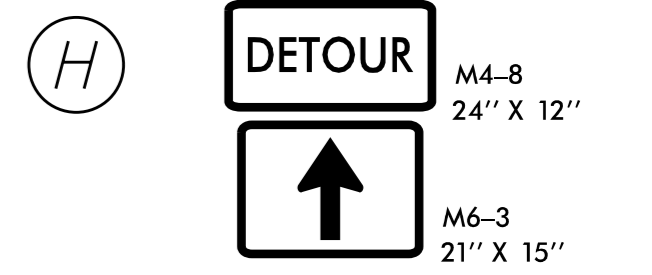
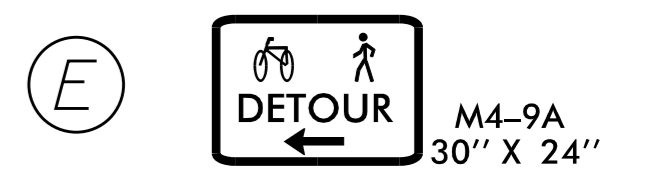
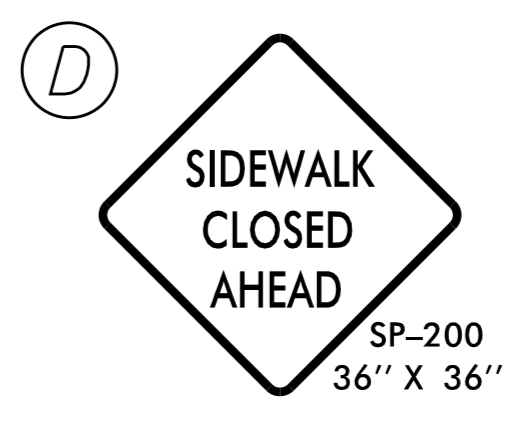
APPROVED: _____ DATE: 4/9/2024



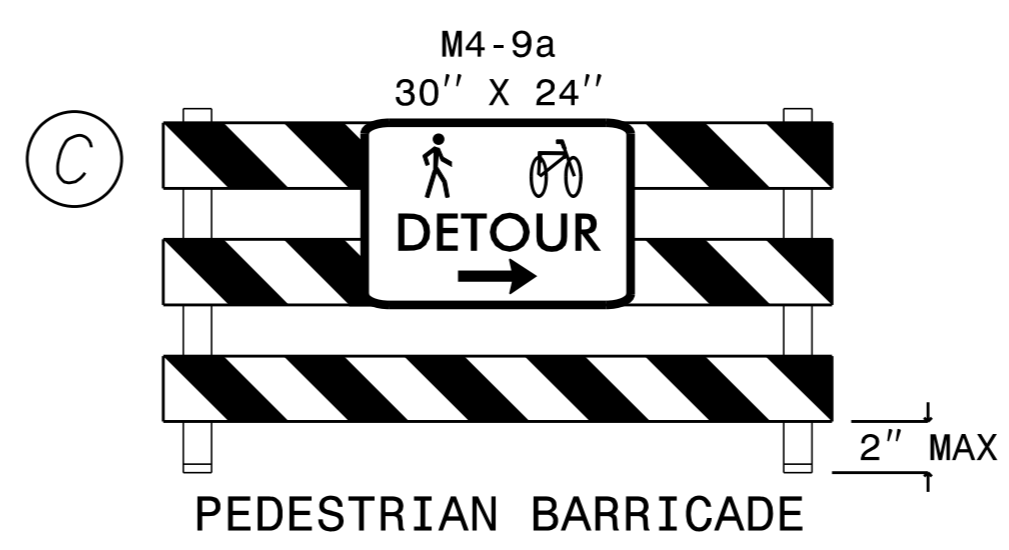
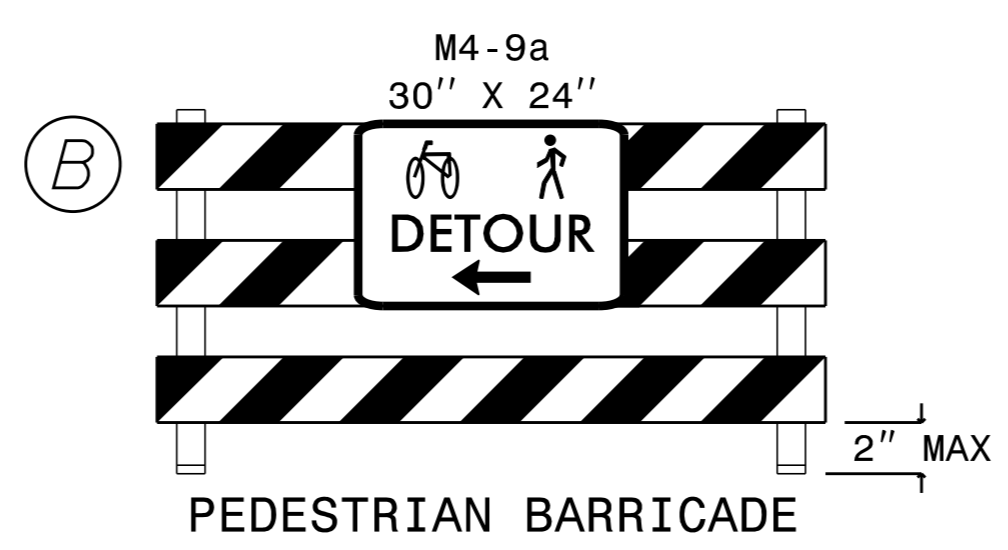
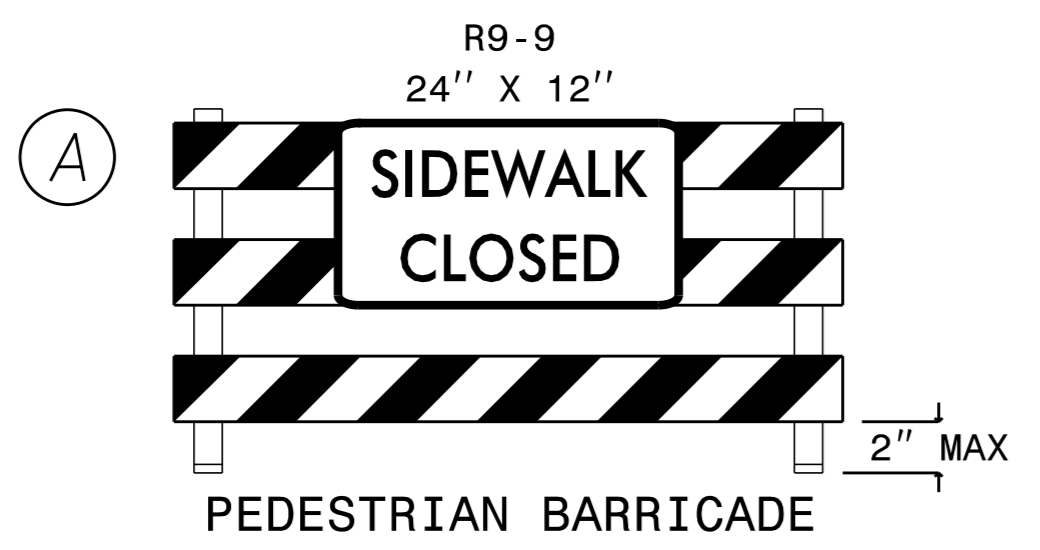
**PHASE 2
TRAFFIC CONTROL
DETAILS**



3/12/2024 K:\CHL\PRJ\01036359 - U-5108 (Northcross)\D\N\Traffic\TrafficControl\CP\Sheets\U-5108_rdy_tmp_11.dgn



SCALE: 1" = 500'



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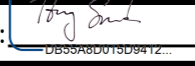
3/12/2024


NOTE:
REFER TO RSD 1101.03 SHEET 1 OF 9
FOR ADVANCE WARNING SIGNAGE
AND BARRICADE PLACEMENT

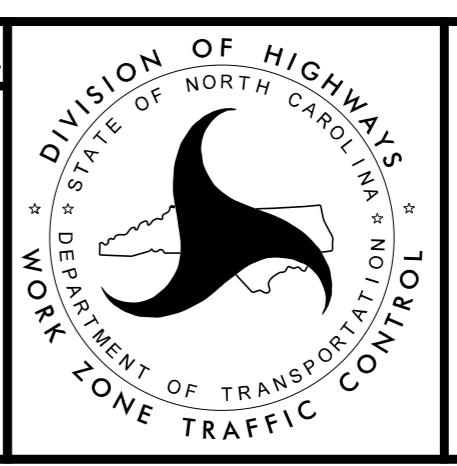
LEGEND

- EXISTING PAVED PATH/SIDEWALK
- ▬ BARRICADE
- ⊥ STATIONARY SIGN

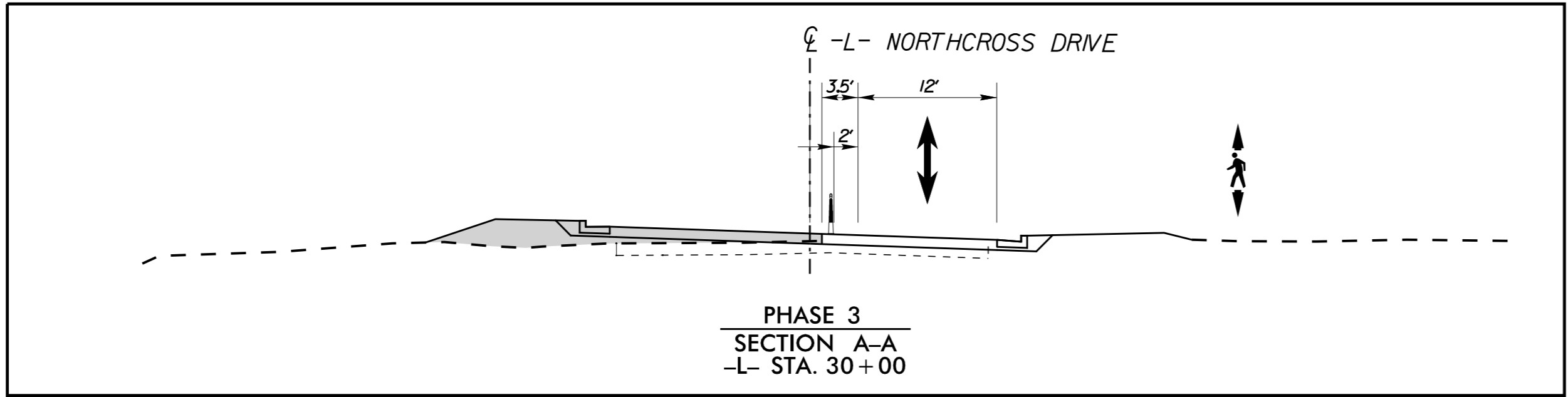
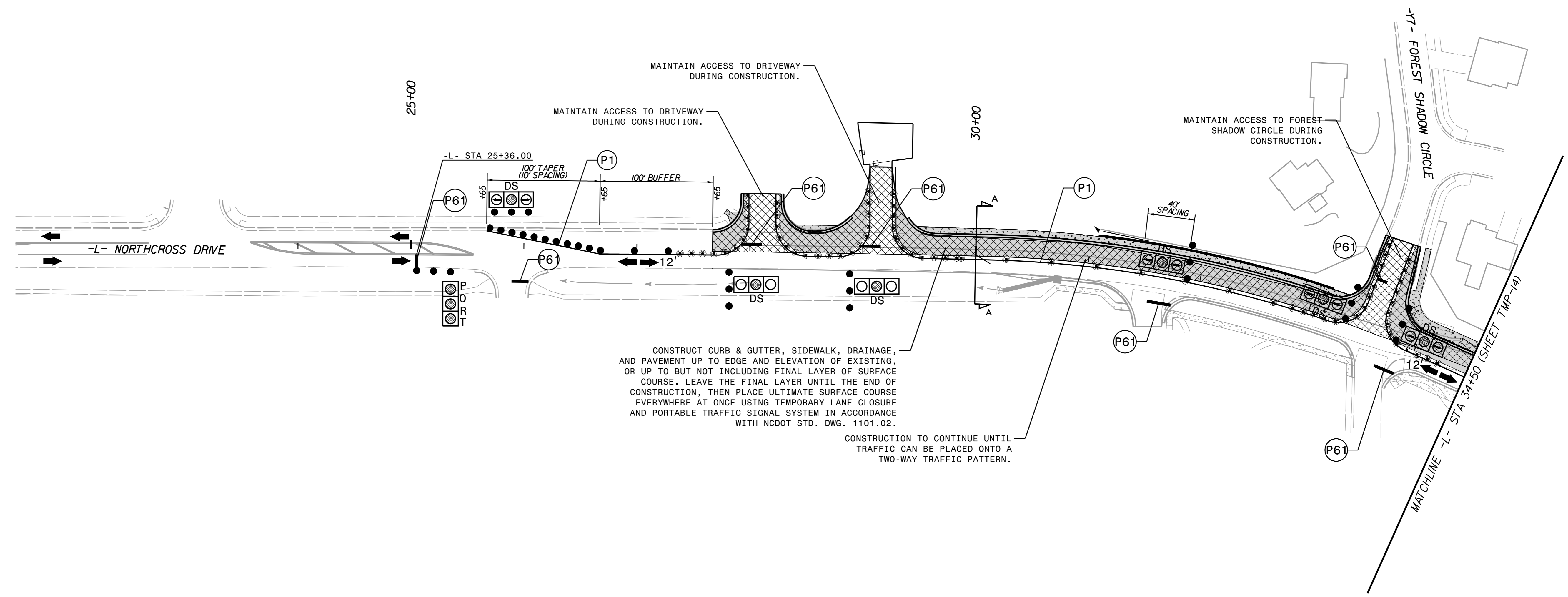
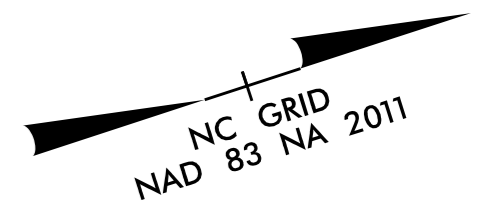
Kimley»Horn

APPROVED:  DATE: 4/9/2024



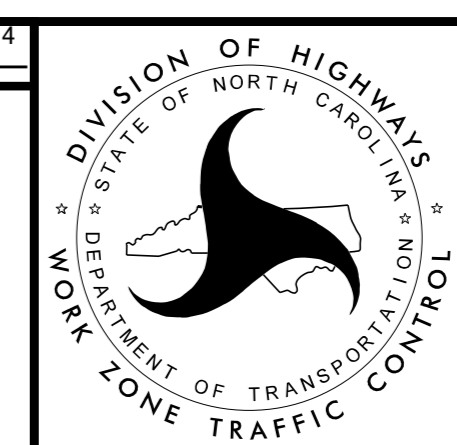


PHASE 2 SIDEWALK DETOUR PLAN



- 4" CONC SIDEWALK
- FULL DEPTH RECLAMATION
- REMOVAL
- WEDGING
- TEMPORARY PAVEMENT
- WORK AREA

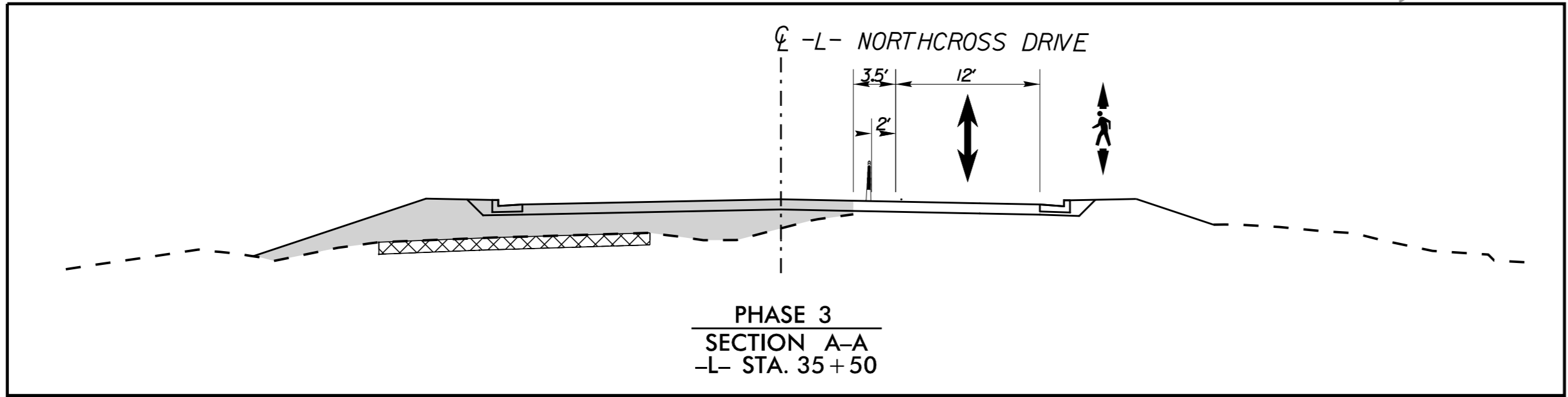
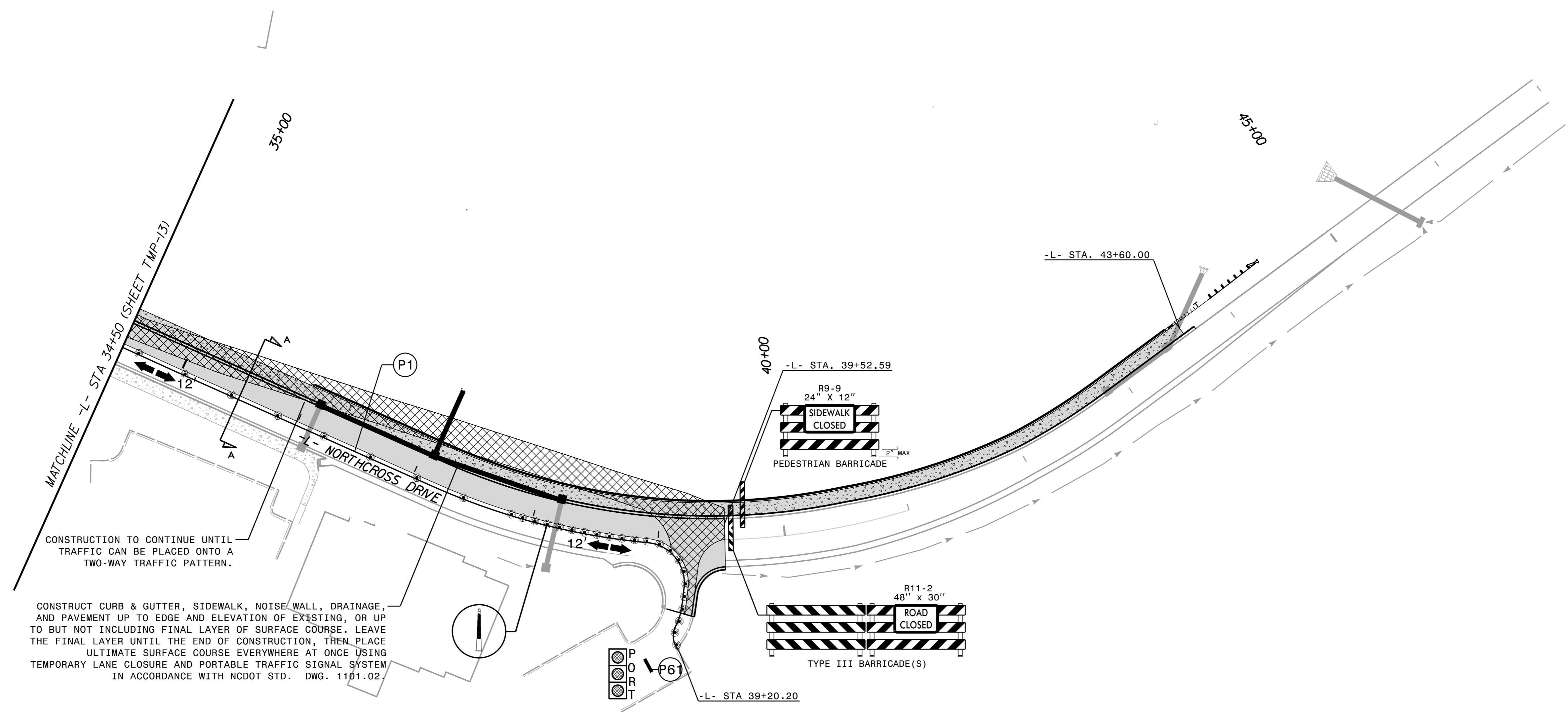
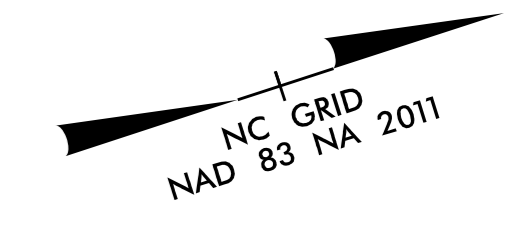
APPROVED: _____ DATE: 4/9/2024



**PHASE 3
TRAFFIC CONTROL
DETAILS**

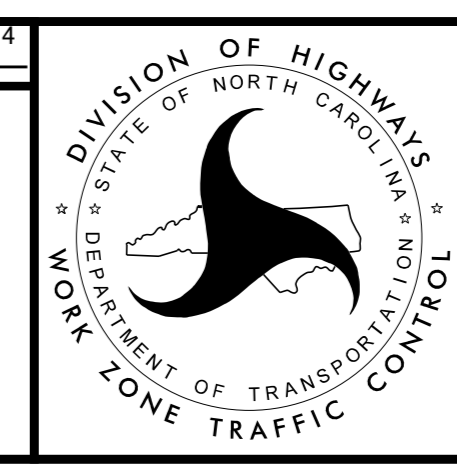
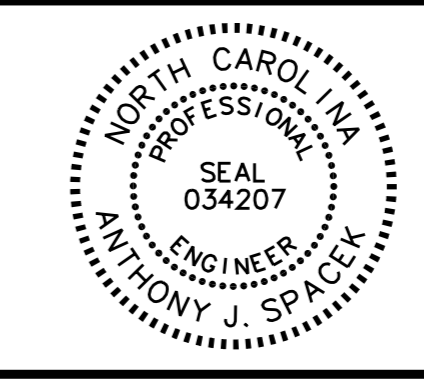


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- 4" CONC SIDEWALK
- FULL DEPTH RECLAMATION
- REMOVAL
- WEDGING
- TEMPORARY PAVEMENT
- WORK AREA

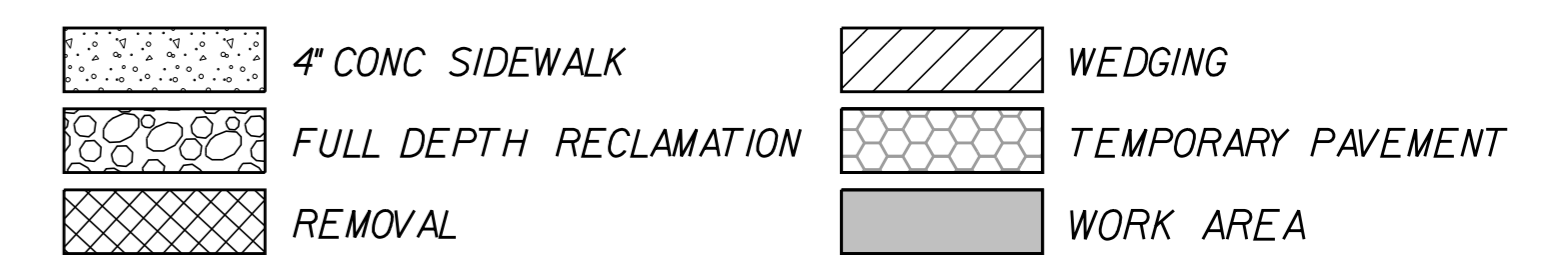
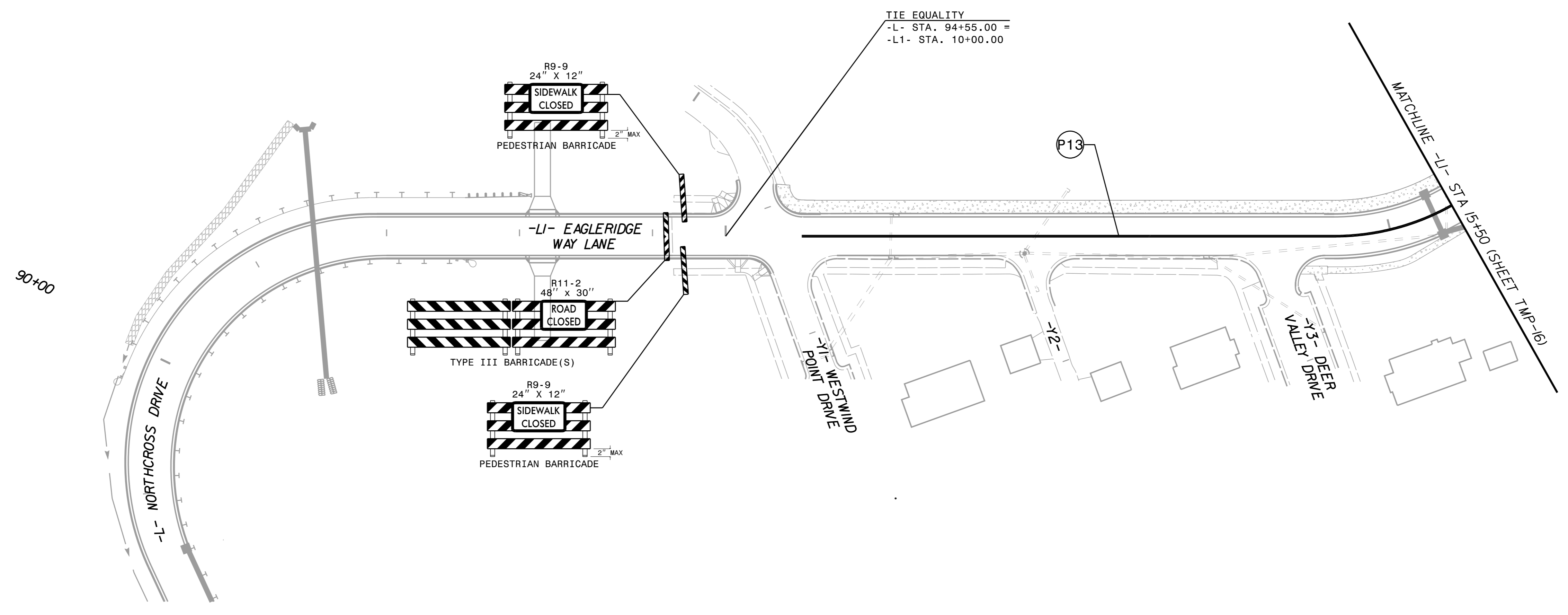
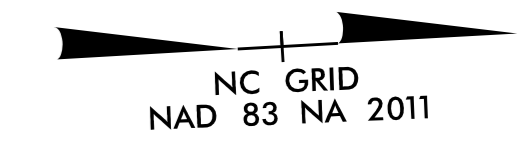
APPROVED: _____ DATE: 4/9/2024



**PHASE 3
TRAFFIC CONTROL
DETAILS**



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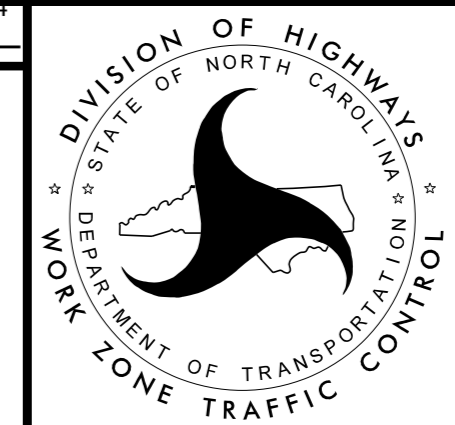
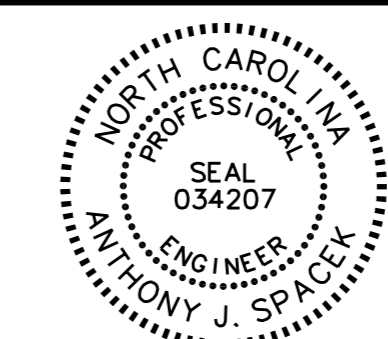


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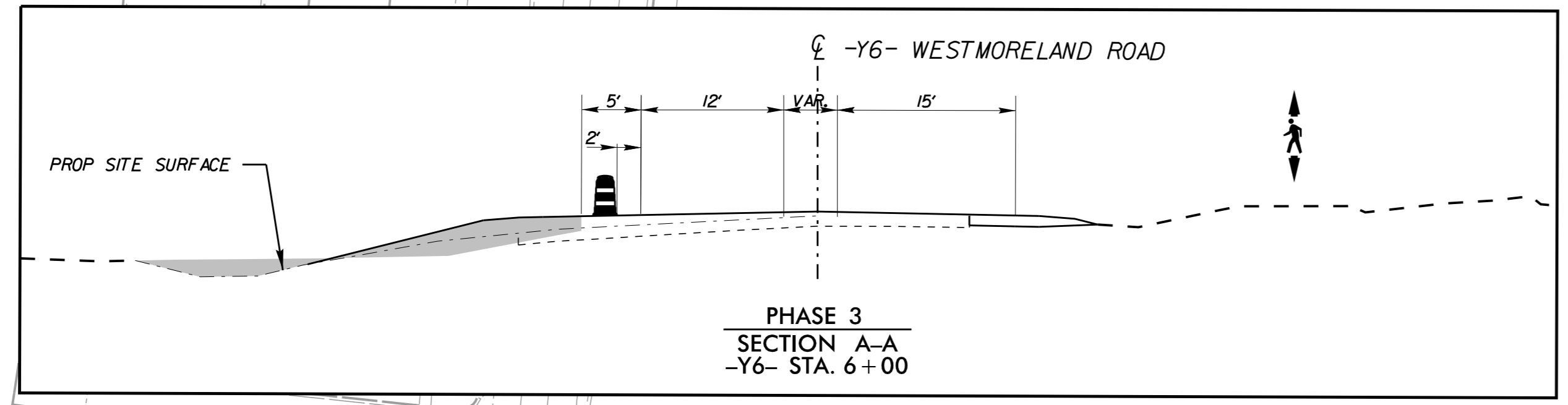
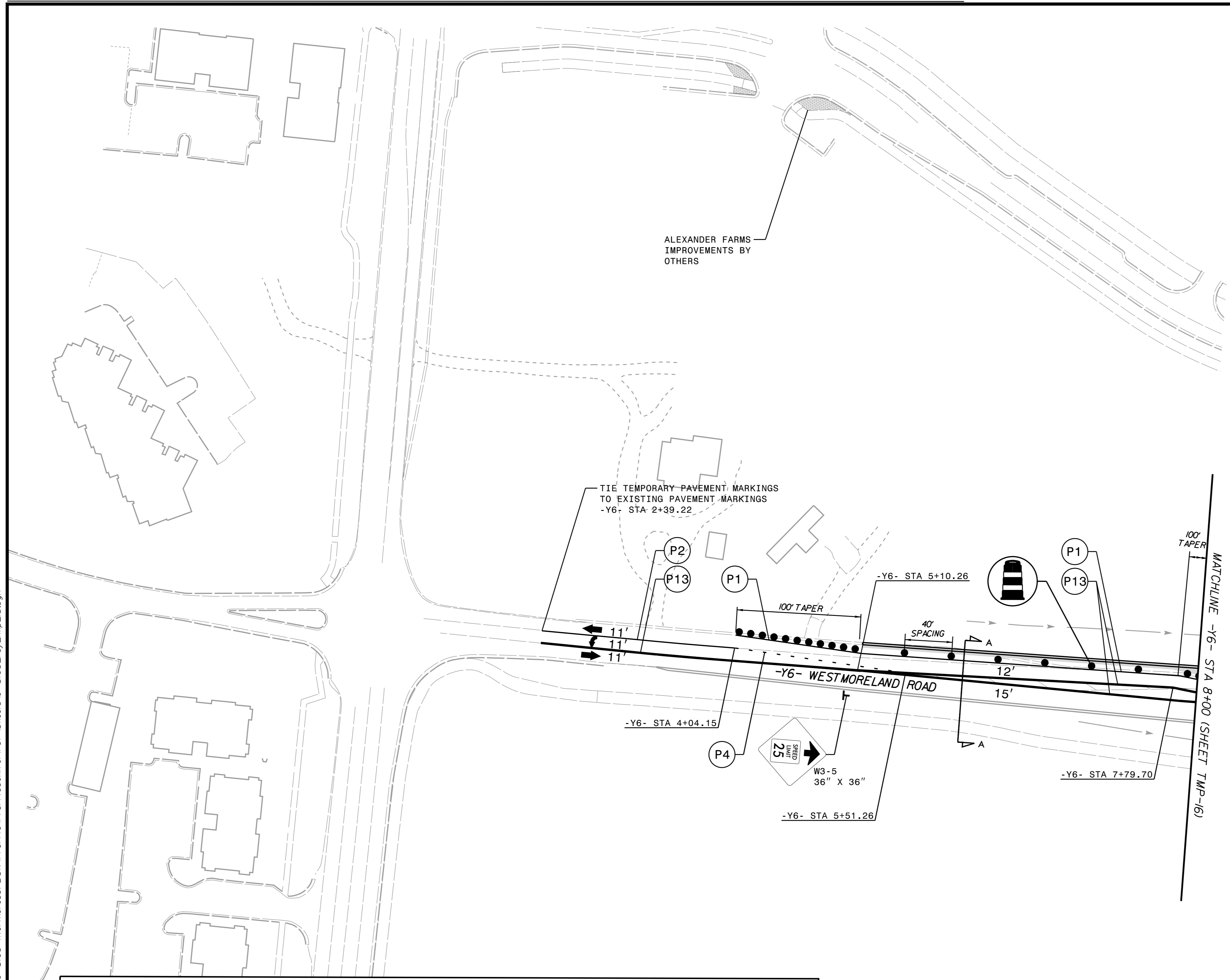
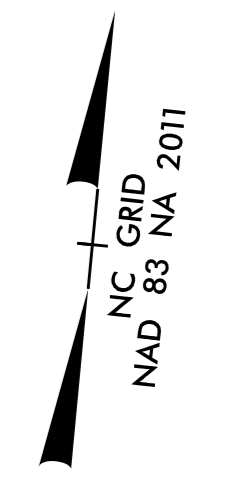
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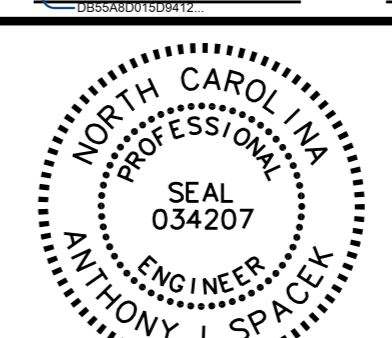
**PHASE 3
TRAFFIC CONTROL
DETAILS**

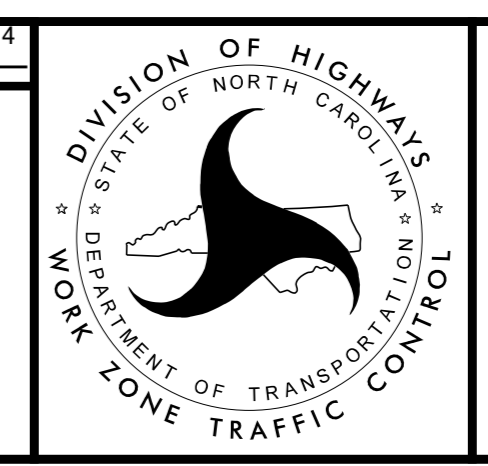


- | | | | |
|--|------------------------|--|--------------------|
| | 4" CONC SIDEWALK | | WEDGING |
| | FULL DEPTH RECLAMATION | | TEMPORARY PAVEMENT |
| | REMOVAL | | WORK AREA |

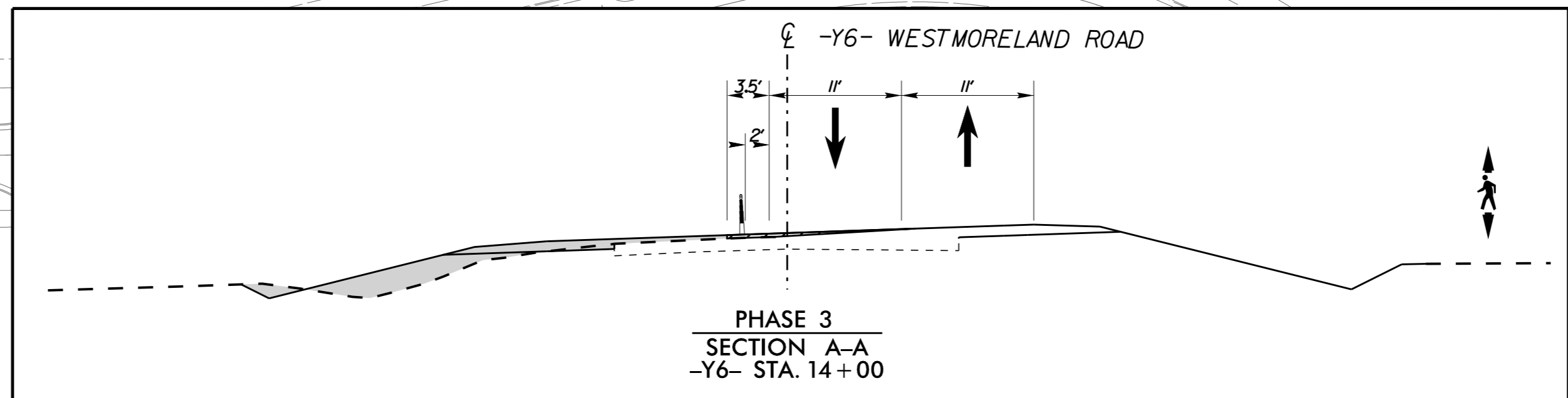
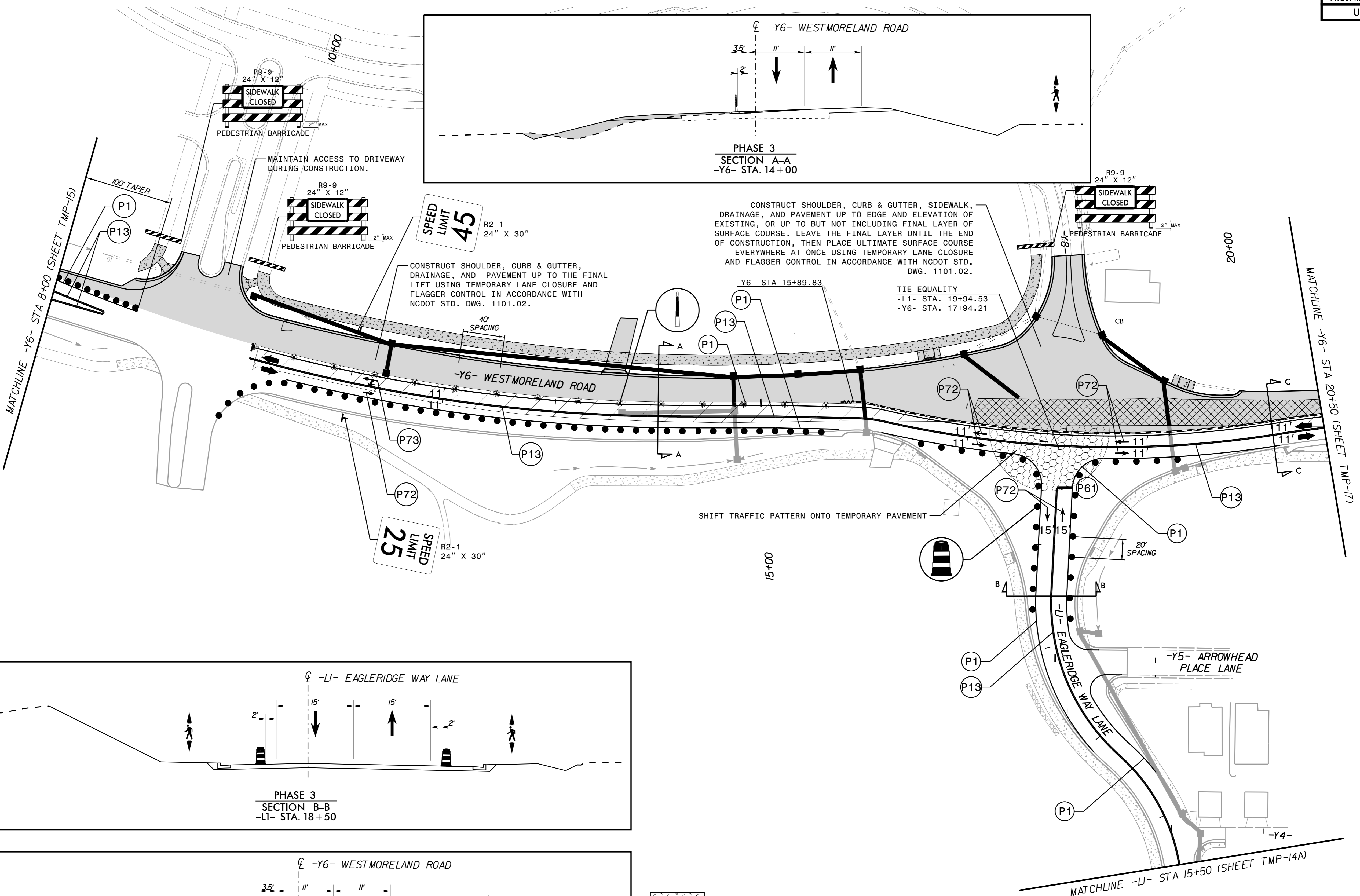
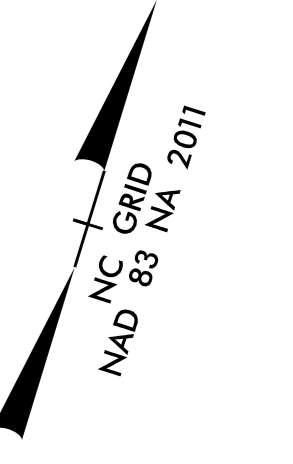
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APPROVED:  DATE: 4/9/2024



**PHASE 3
TRAFFIC CONTROL
DETAILS**

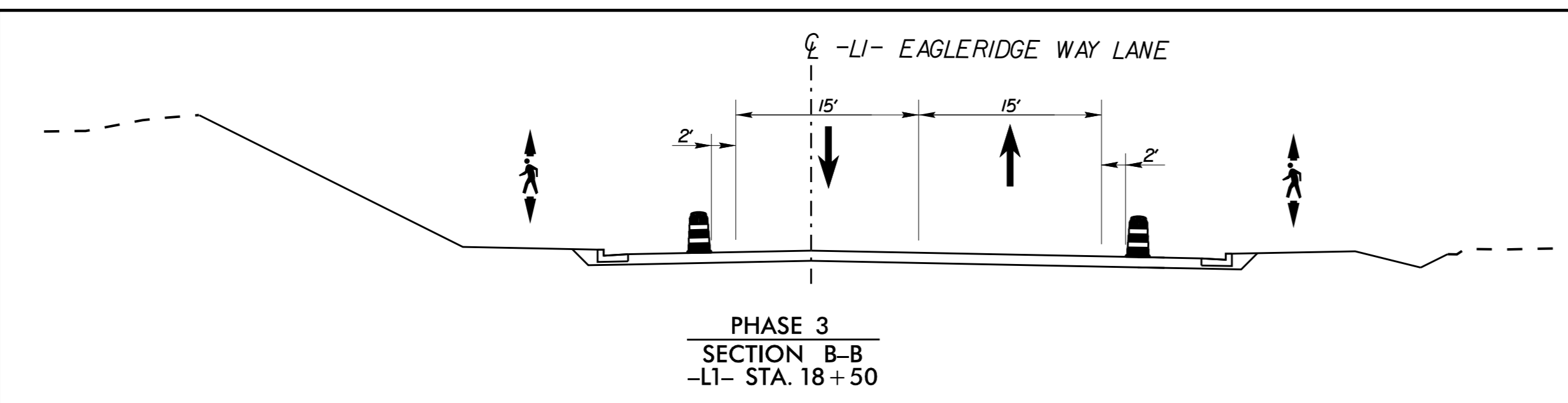


CONSTRUCT SHOULDER, CURB & GUTTER, SIDEWALK, DRAINAGE, AND PAVEMENT UP TO EDGE AND ELEVATION OF EXISTING, OR UP TO BUT NOT INCLUDING FINAL LAYER OF SURFACE COURSE. LEAVE THE FINAL LAYER UNTIL THE END OF CONSTRUCTION, THEN PLACE ULTIMATE SURFACE COURSE EVERYWHERE AT ONCE USING TEMPORARY LANE CLOSURE AND FLAGGER CONTROL IN ACCORDANCE WITH NCDOT STD. DWG. 1101.02.

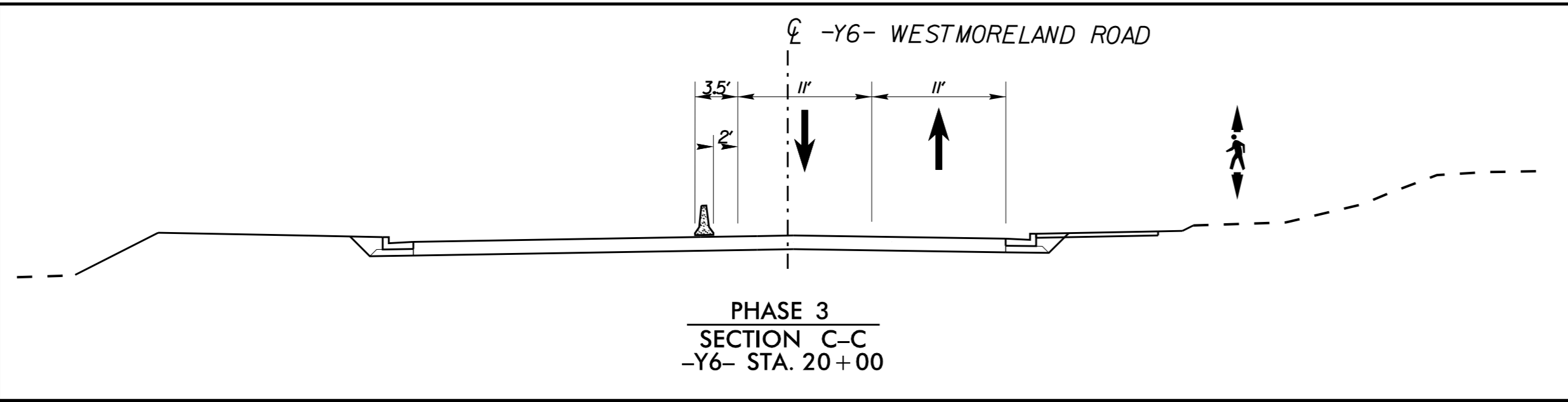
TIE EQUALITY
-L1- STA. 19+94.53 =
-Y6- STA. 17+94.21

SPEED LIMIT 45
R2-1
24" X 30"

SPEED LIMIT 25
R2-1
24" X 30"



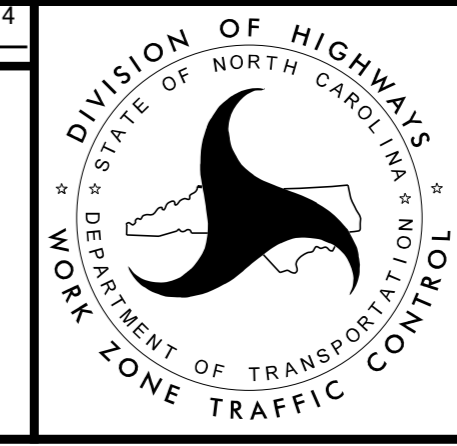
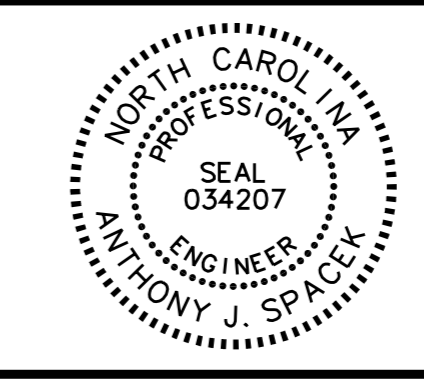
PHASE 3 SECTION B-B
-L1- STA. 18+50



PHASE 3 SECTION C-C
-Y6- STA. 20+00

- 4" CONC SIDEWALK
- FULL DEPTH RECLAMATION
- REMOVAL
- WEDGING
- TEMPORARY PAVEMENT
- WORK AREA

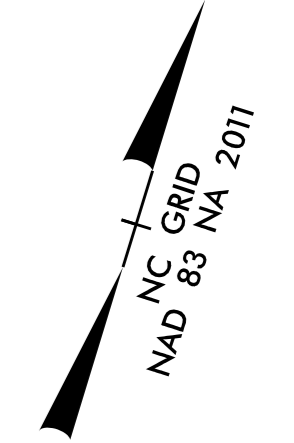
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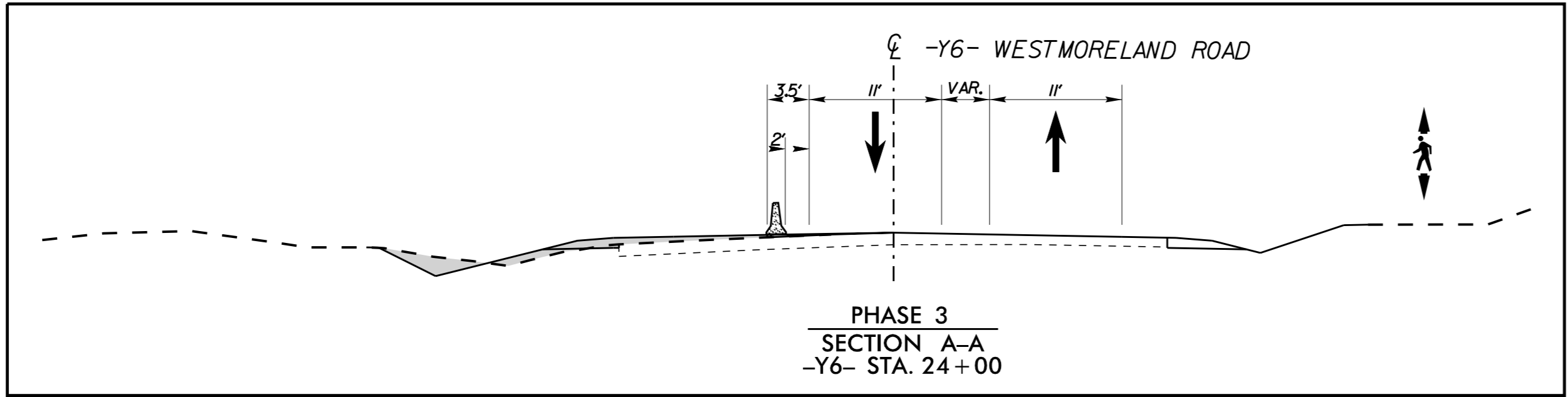
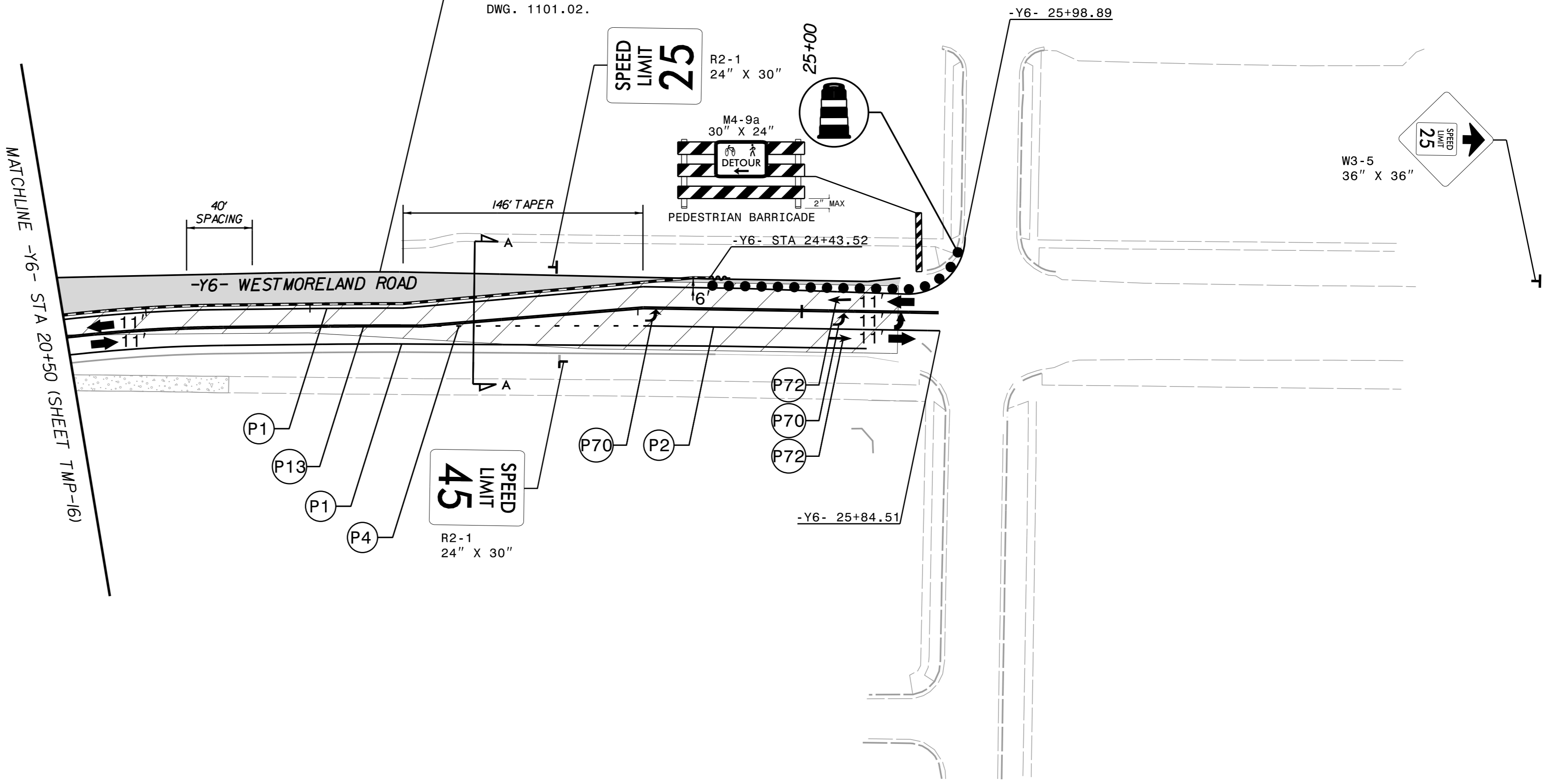
PHASE 3 TRAFFIC CONTROL DETAILS



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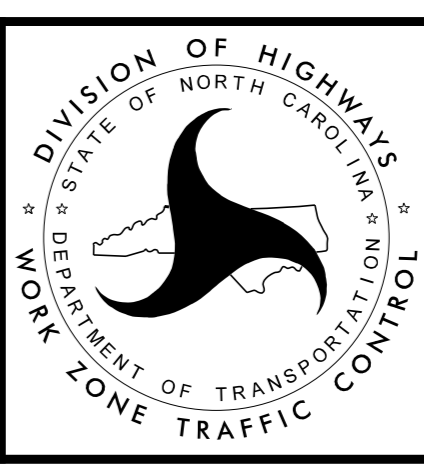


CONSTRUCT SHOULDER, CURB & GUTTER, SIDEWALK, DRAINAGE, AND PAVEMENT UP TO EDGE AND ELEVATION OF EXISTING, OR UP TO BUT NOT INCLUDING FINAL LAYER OF SURFACE COURSE. LEAVE THE FINAL LAYER UNTIL THE END OF CONSTRUCTION, THEN PLACE ULTIMATE SURFACE COURSE EVERYWHERE AT ONCE USING TEMPORARY LANE CLOSURE AND FLAGGER CONTROL IN ACCORDANCE WITH NCDOT STD. DWG. 1101.02.



- 4' CONC SIDEWALK
- FULL DEPTH RECLAMATION
- REMOVAL
- WEDGING
- TEMPORARY PAVEMENT
- WORK AREA

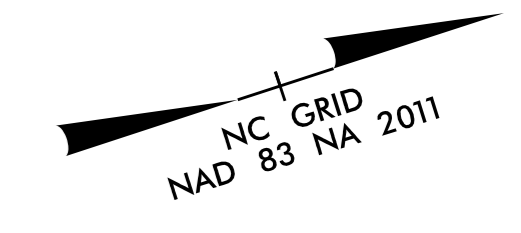
APPROVED: DATE: 4/9/2024



**PHASE 3
TRAFFIC CONTROL
DETAILS**

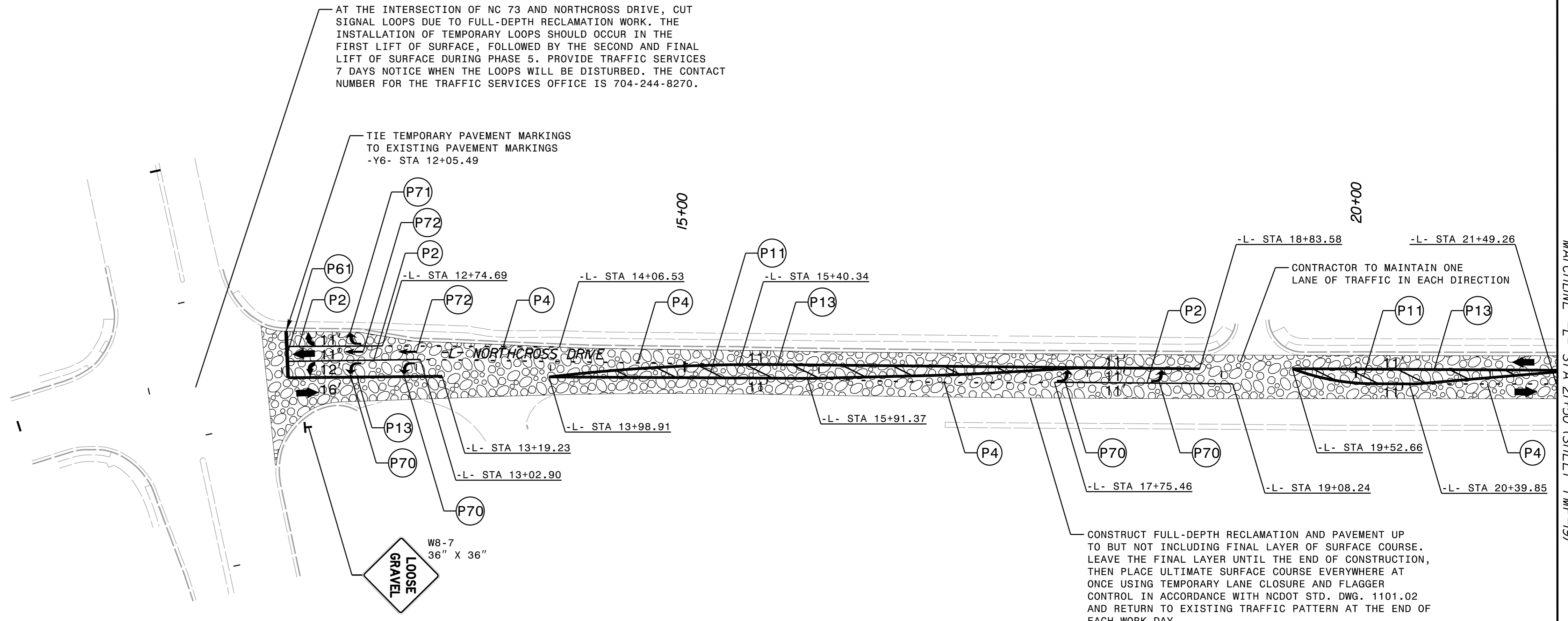


3/12/2024 K:\CHL\PRJ\01036359 - U-5108 (Northcross)\DSM\Traffic\TrafficControl\CP\Sheets\U-5108_rdy_tmp_17.dgn



AT THE INTERSECTION OF NC 73 AND NORTHCROSS DRIVE, CUT SIGNAL LOOPS DUE TO FULL-DEPTH RECLAMATION WORK. THE INSTALLATION OF TEMPORARY LOOPS SHOULD OCCUR IN THE FIRST LIFT OF SURFACE, FOLLOWED BY THE SECOND AND FINAL LIFT OF SURFACE DURING PHASE 5. PROVIDE TRAFFIC SERVICES 7 DAYS NOTICE WHEN THE LOOPS WILL BE DISTURBED. THE CONTACT NUMBER FOR THE TRAFFIC SERVICES OFFICE IS 704-244-8270.

TIE TEMPORARY PAVEMENT MARKINGS TO EXISTING PAVEMENT MARKINGS
-Y6- STA 12+05.49



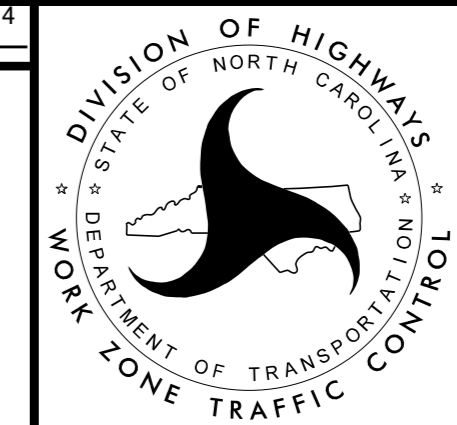
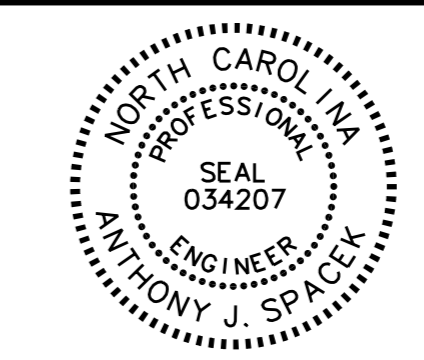
CONTRACTOR TO MAINTAIN ONE LANE OF TRAFFIC IN EACH DIRECTION

CONSTRUCT FULL-DEPTH RECLAMATION AND PAVEMENT UP TO BUT NOT INCLUDING FINAL LAYER OF SURFACE COURSE. LEAVE THE FINAL LAYER UNTIL THE END OF CONSTRUCTION, THEN PLACE ULTIMATE SURFACE COURSE EVERYWHERE AT ONCE USING TEMPORARY LANE CLOSURE AND FLAGGER CONTROL IN ACCORDANCE WITH NCDOT STD. DWG. 1101.02 AND RETURN TO EXISTING TRAFFIC PATTERN AT THE END OF EACH WORK DAY.

MATCHLINE -L- STA 21+50 (SHEET TMP-19)

- | | | | |
|--|------------------------|--|--------------------|
| | 4" CONC SIDEWALK | | WEDGING |
| | FULL DEPTH RECLAMATION | | TEMPORARY PAVEMENT |
| | REMOVAL | | WORK AREA |

APPROVED: DATE: 4/9/2024

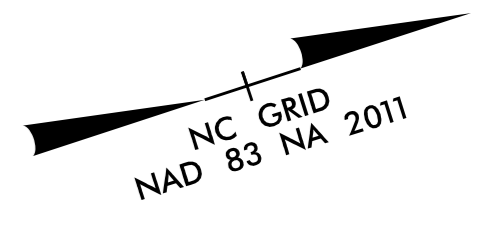


PHASE 4 TRAFFIC CONTROL DETAILS

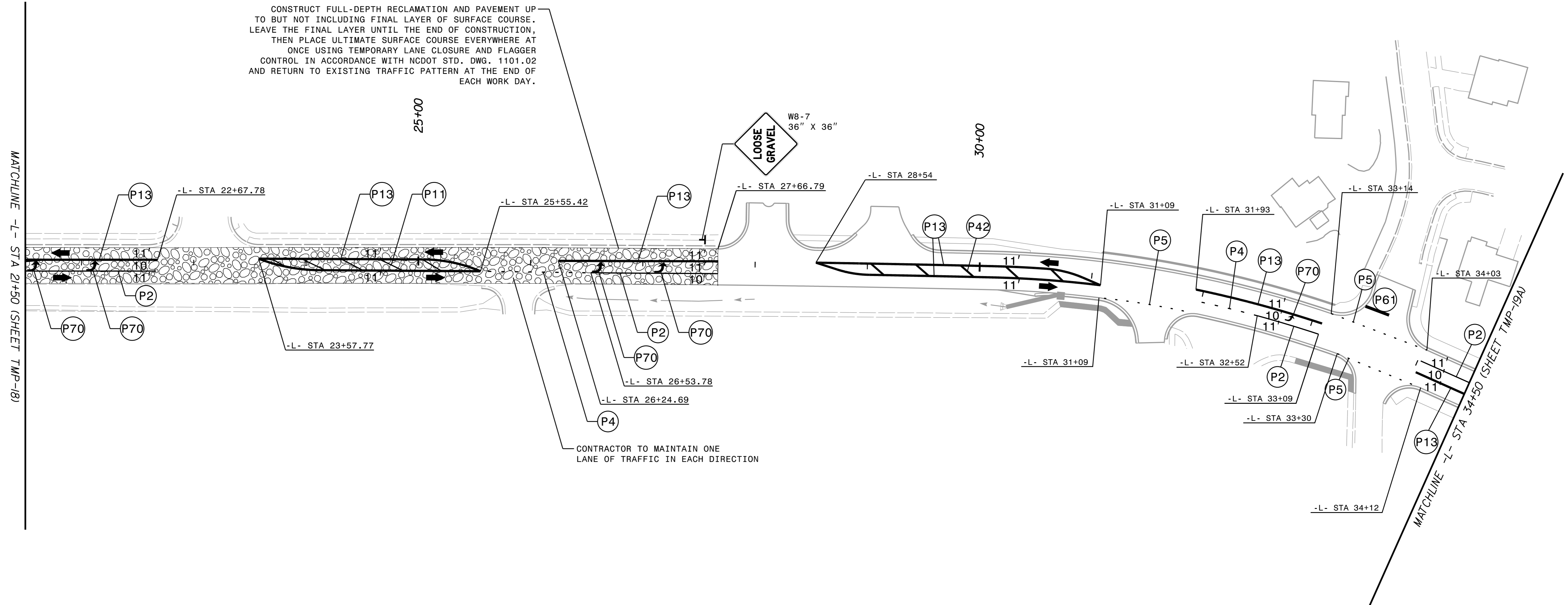


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3/12/2024



CONSTRUCT FULL-DEPTH RECLAMATION AND PAVEMENT UP TO BUT NOT INCLUDING FINAL LAYER OF SURFACE COURSE. LEAVE THE FINAL LAYER UNTIL THE END OF CONSTRUCTION, THEN PLACE ULTIMATE SURFACE COURSE EVERYWHERE AT ONCE USING TEMPORARY LANE CLOSURE AND FLAGGER CONTROL IN ACCORDANCE WITH NCDOT STD. DWG. 1101.02 AND RETURN TO EXISTING TRAFFIC PATTERN AT THE END OF EACH WORK DAY.

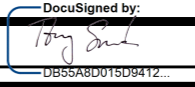


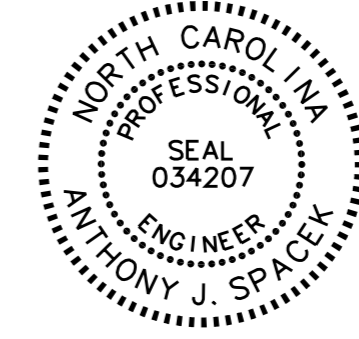
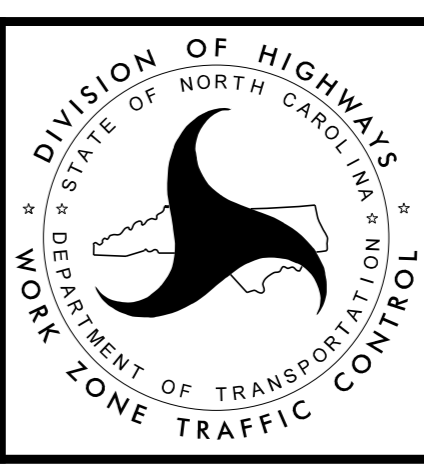
CONTRACTOR TO MAINTAIN ONE LANE OF TRAFFIC IN EACH DIRECTION

- | | |
|------------------------|--------------------|
| 4' CONC SIDEWALK | WEDGING |
| FULL DEPTH RECLAMATION | TEMPORARY PAVEMENT |
| REMOVAL | WORK AREA |

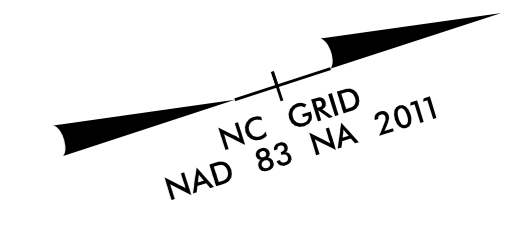
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APPROVED:  DATE: 4/9/2024

PHASE 4 TRAFFIC CONTROL DETAILS

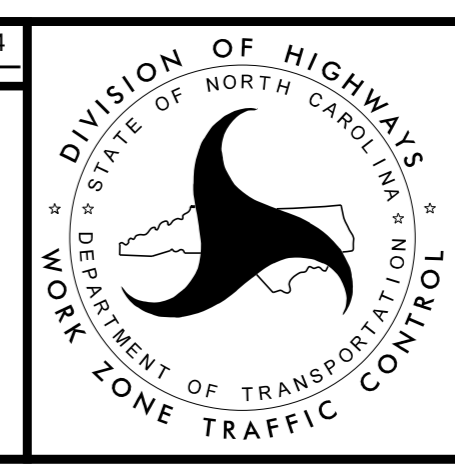


	4" CONC SIDEWALK		WEDGING
	FULL DEPTH RECLAMATION		TEMPORARY PAVEMENT
	REMOVAL		WORK AREA

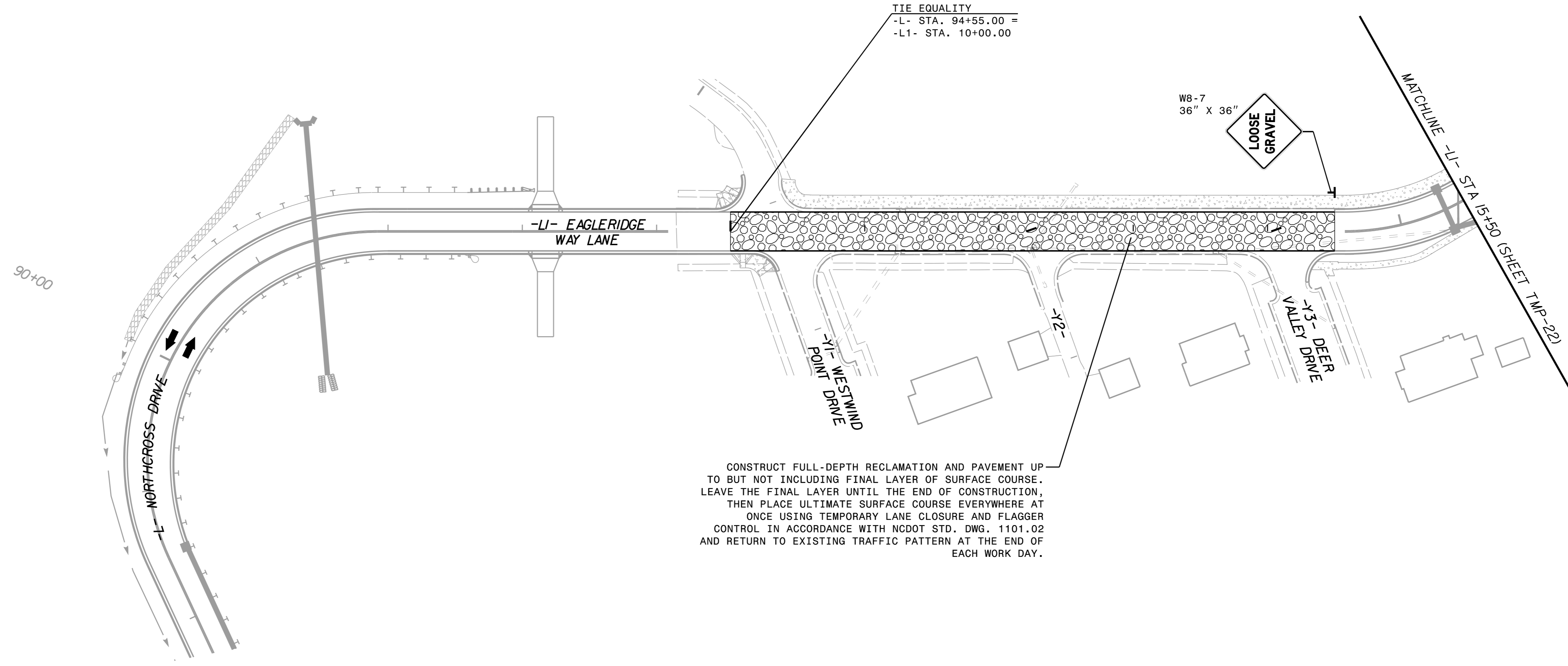
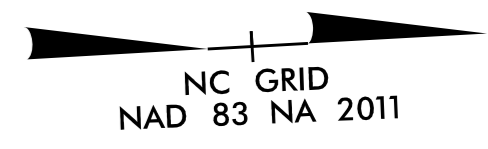
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APPROVED _____ DATE: 4/9/2024



**PHASE 4
TRAFFIC CONTROL
DETAILS**



- | | | | |
|--|------------------------|--|--------------------|
| | 4" CONC SIDEWALK | | WEDGING |
| | FULL DEPTH RECLAMATION | | TEMPORARY PAVEMENT |
| | REMOVAL | | WORK AREA |

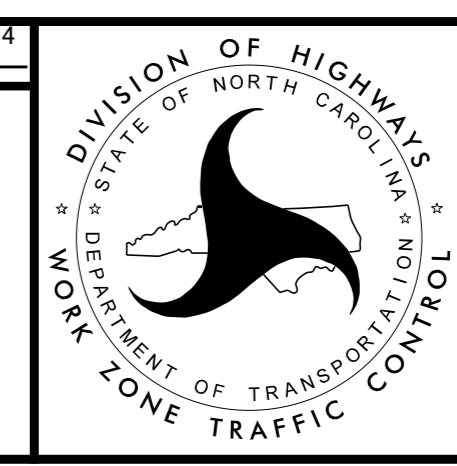
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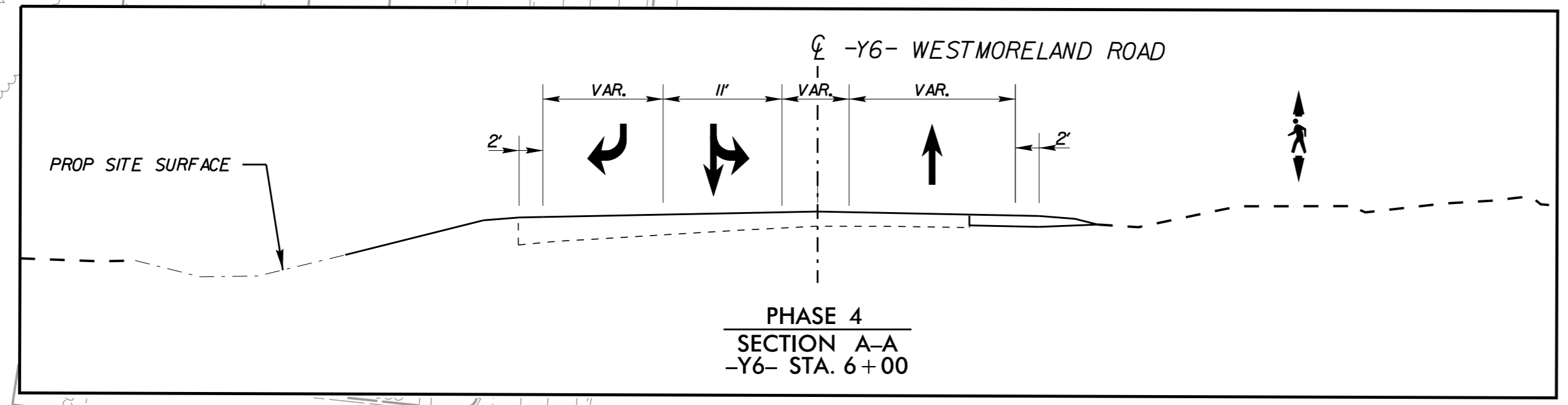
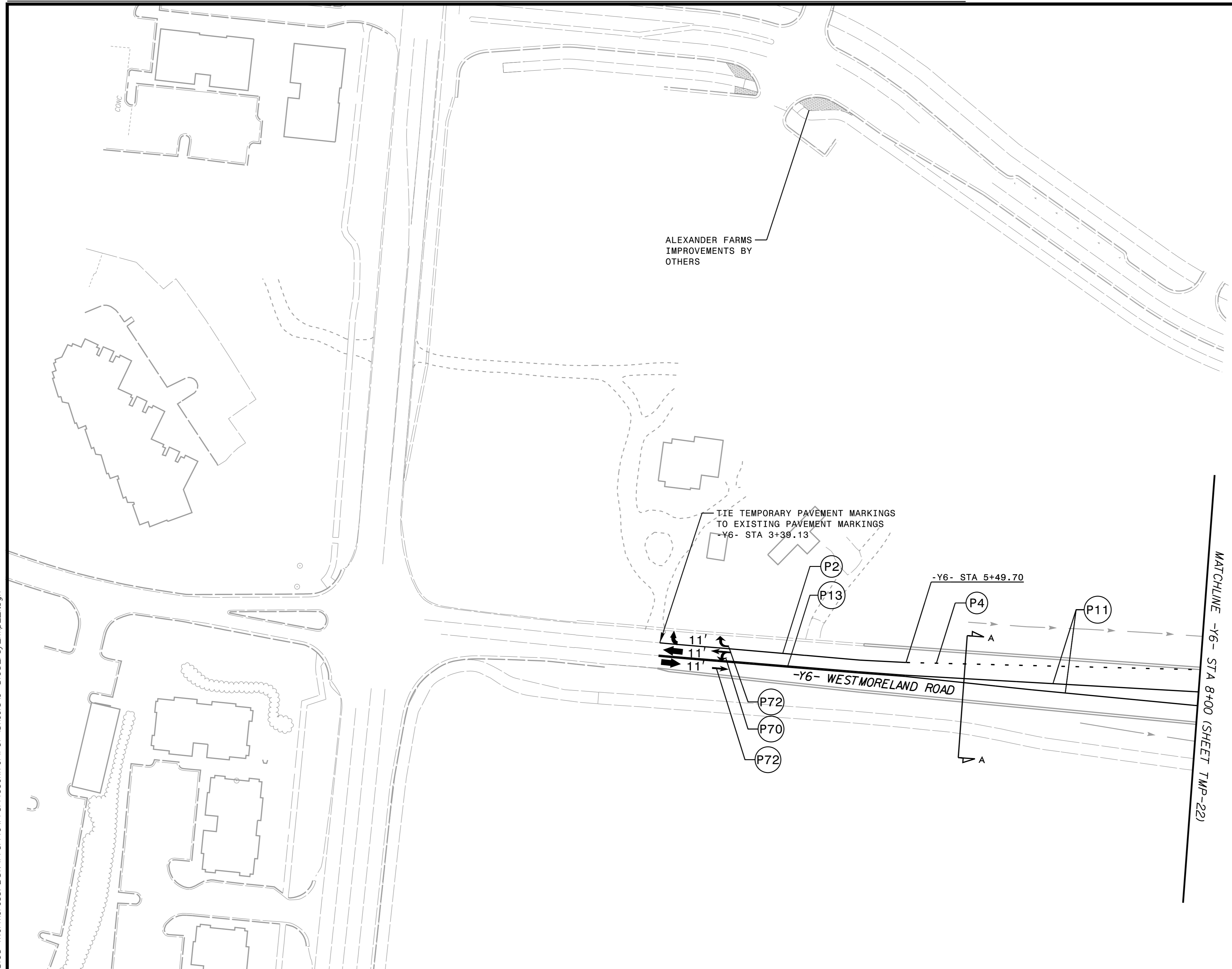
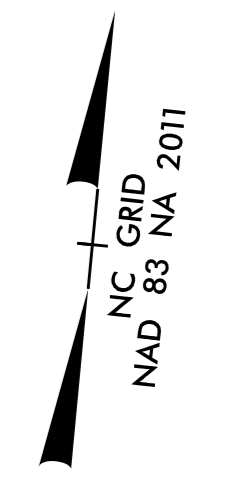
APPROVED: DATE: 4/9/2024

DESIGNED BY:

NORTH CAROLINA PROFESSIONAL ENGINEER SEAL 034207 ANTHONY J. SPICK




PHASE 4 TRAFFIC CONTROL DETAILS

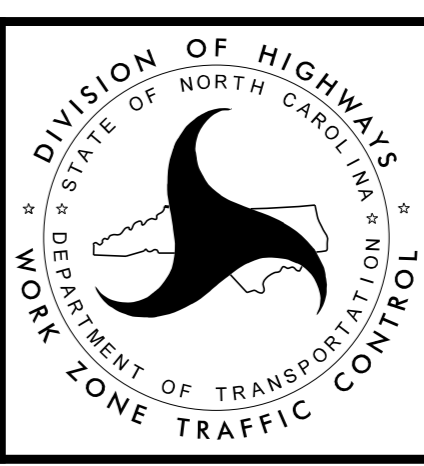


- 4" CONC SIDEWALK
- FULL DEPTH RECLAMATION
- REMOVAL
- WEDGING
- TEMPORARY PAVEMENT
- WORK AREA

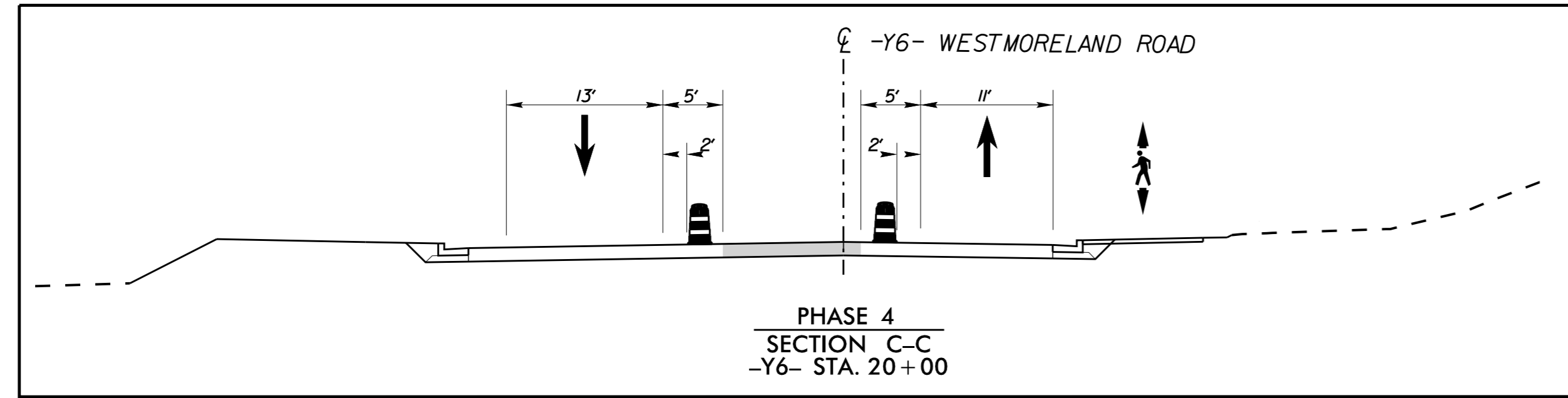
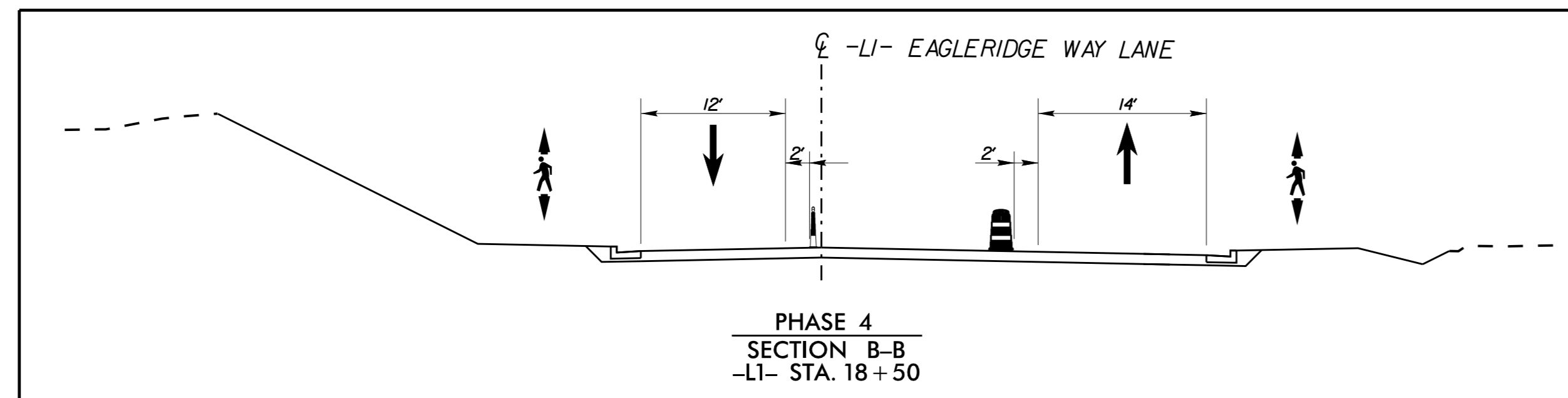
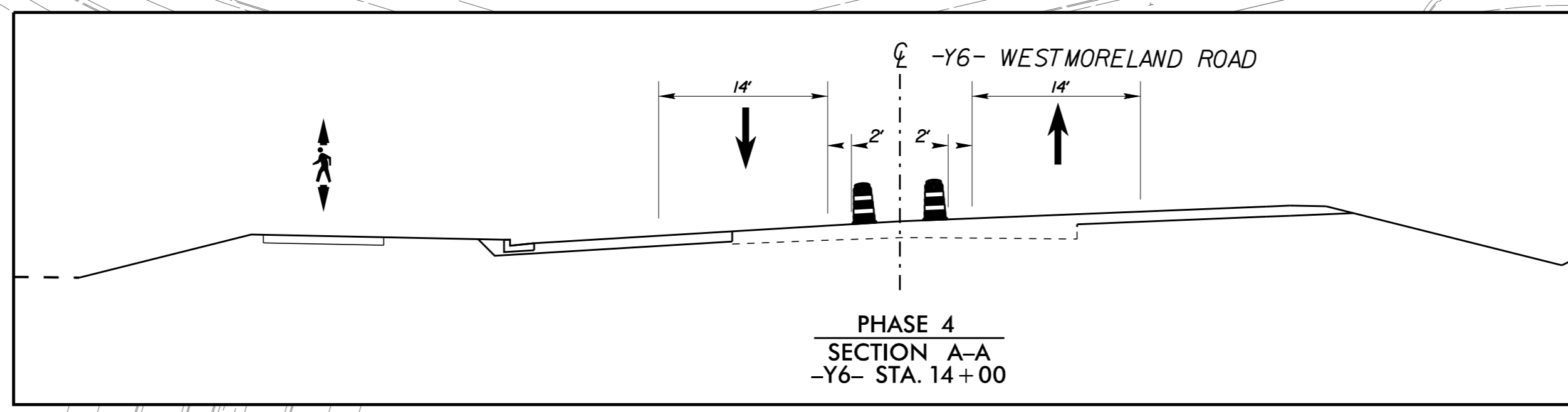
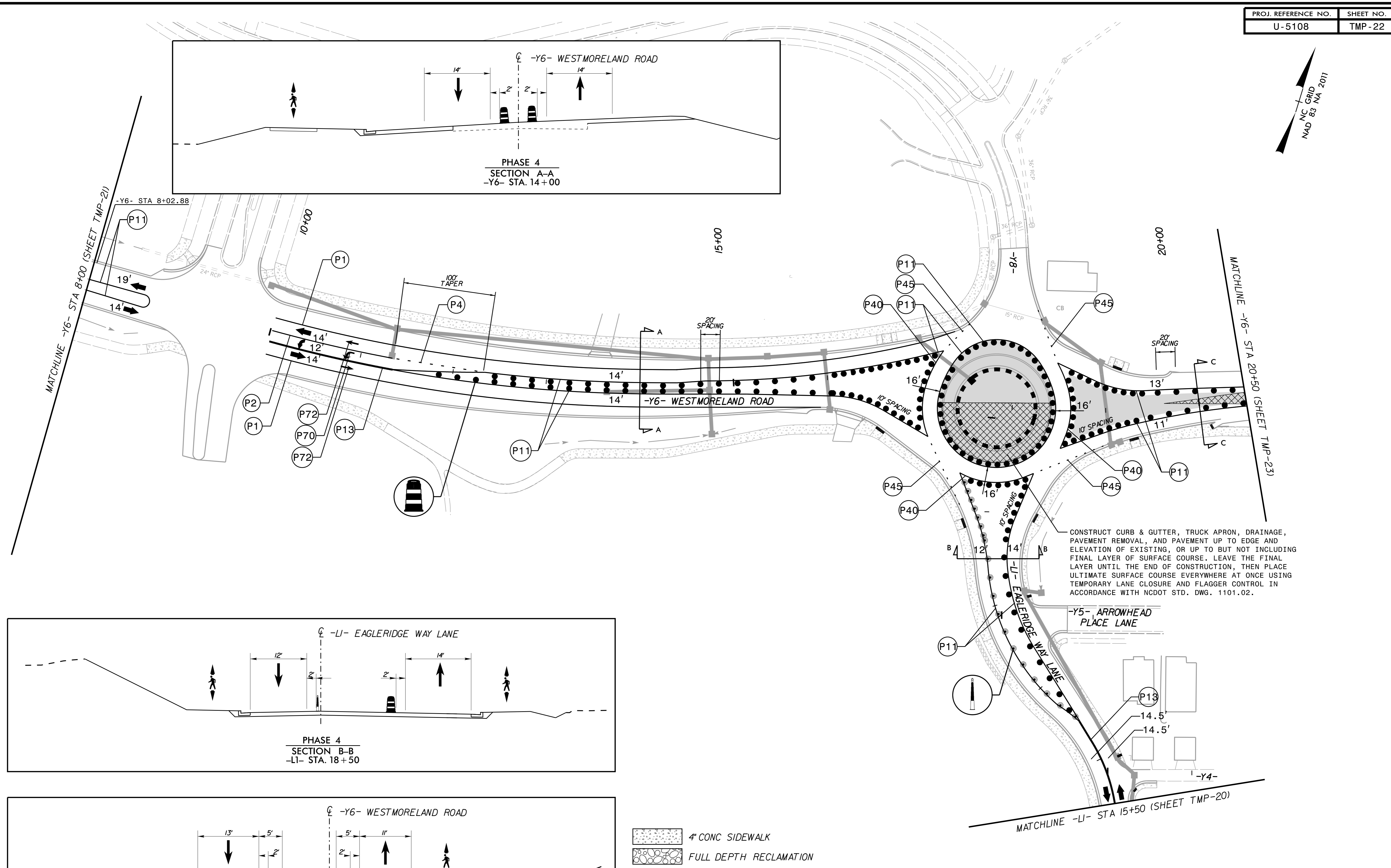
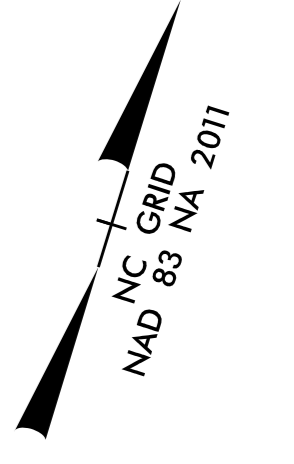
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APPROVED:  DATE: 4/9/2024

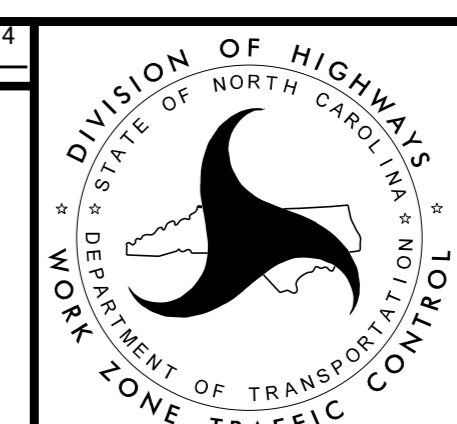


**PHASE 4
TRAFFIC CONTROL
DETAILS**



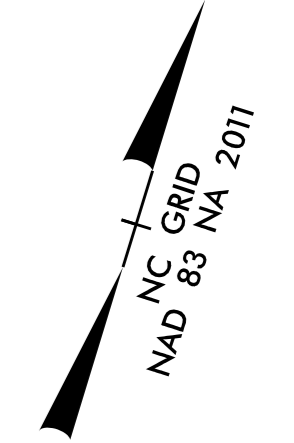
- 4' CONC SIDEWALK
- FULL DEPTH RECLAMATION
- REMOVAL
- WEDGING
- TEMPORARY PAVEMENT
- WORK AREA

APPROVED: DATE: 4/9/2024

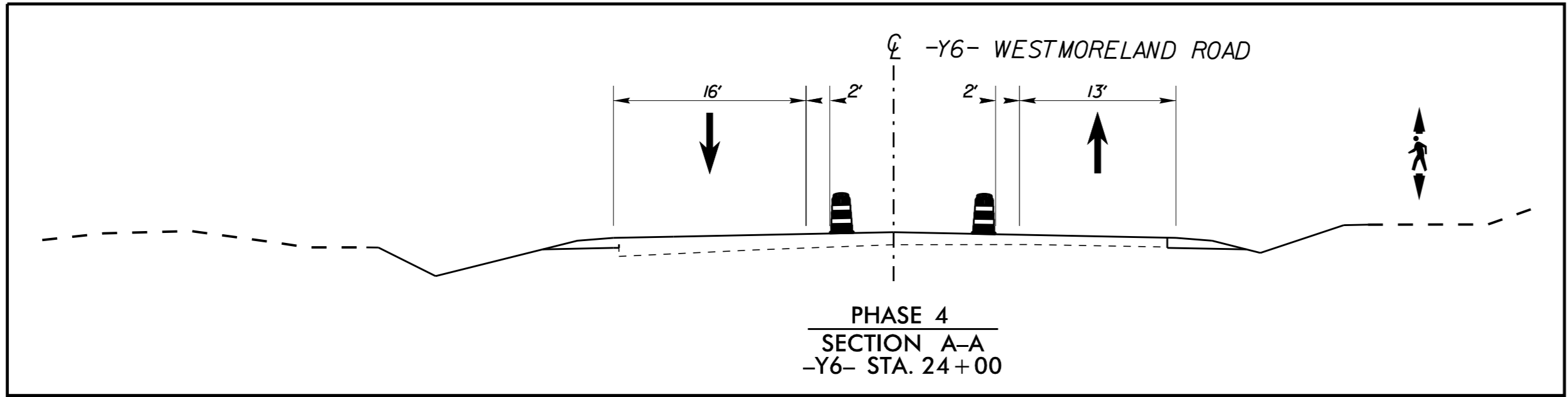
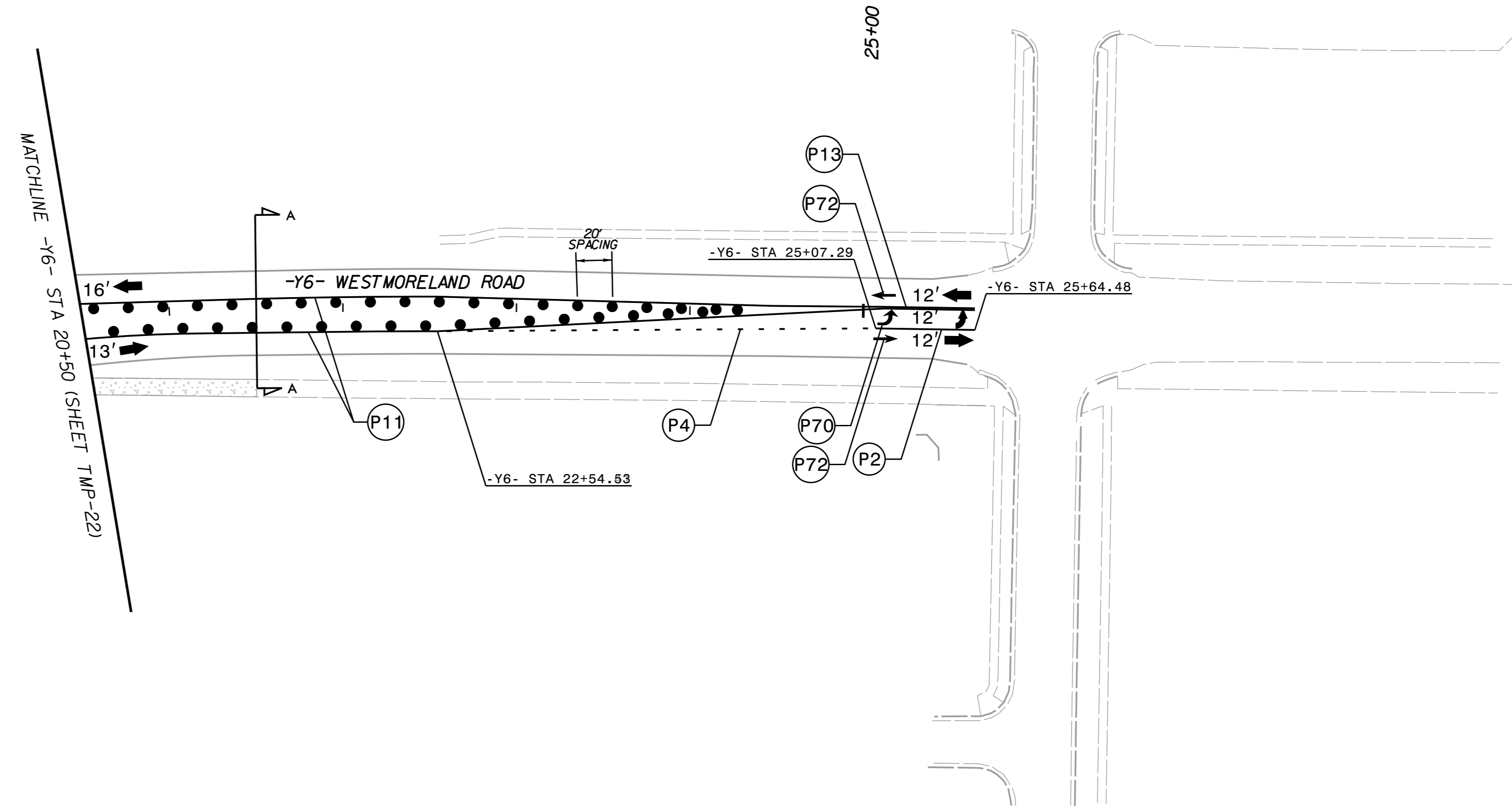


PHASE 4 TRAFFIC CONTROL DETAILS

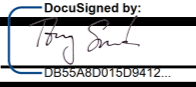
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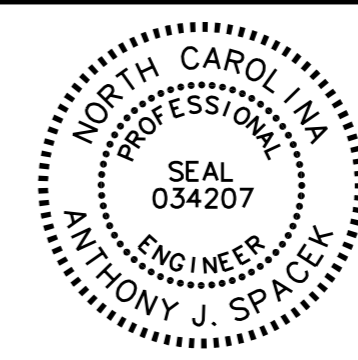


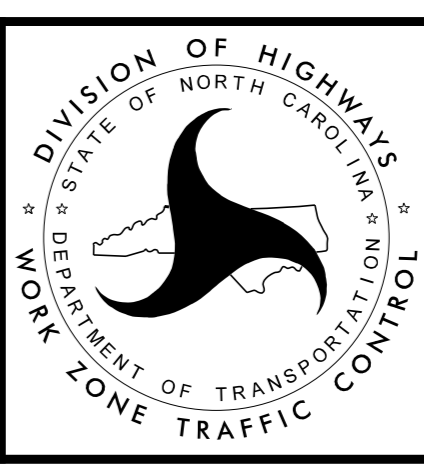
3/12/2024 K:\CHL\PRJ\01036359 - U-5108 (Northcross)\DSM\Traffic\TrafficControl\CP\Sheets\U-5108_rdy_tmp_23.dgn



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|--|------------------------|--|--------------------|
| | 4' CONC SIDEWALK | | WEDGING |
| | FULL DEPTH RECLAMATION | | TEMPORARY PAVEMENT |
| | REMOVAL | | WORK AREA |

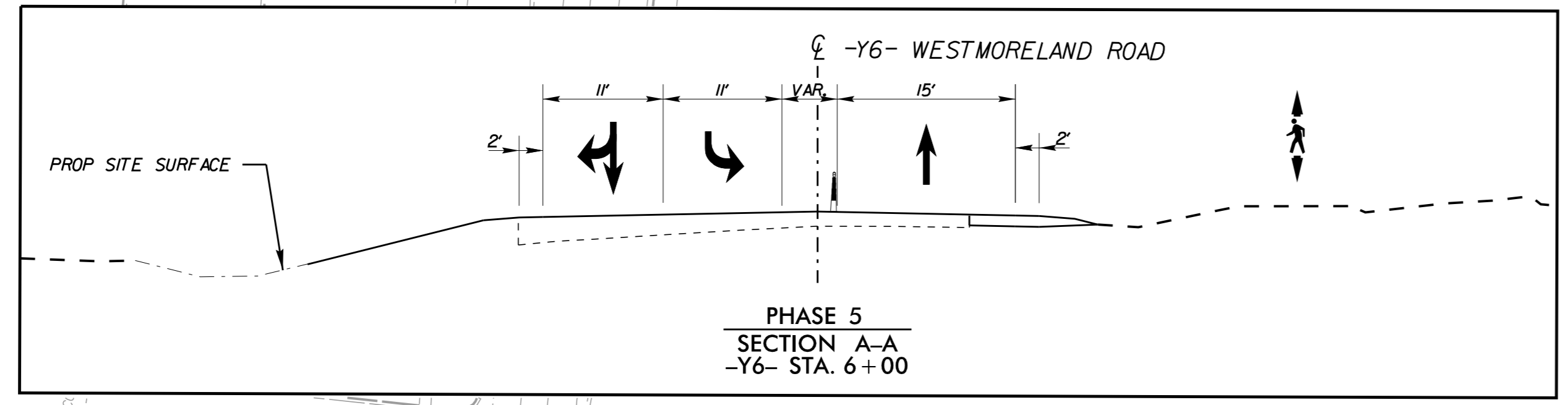
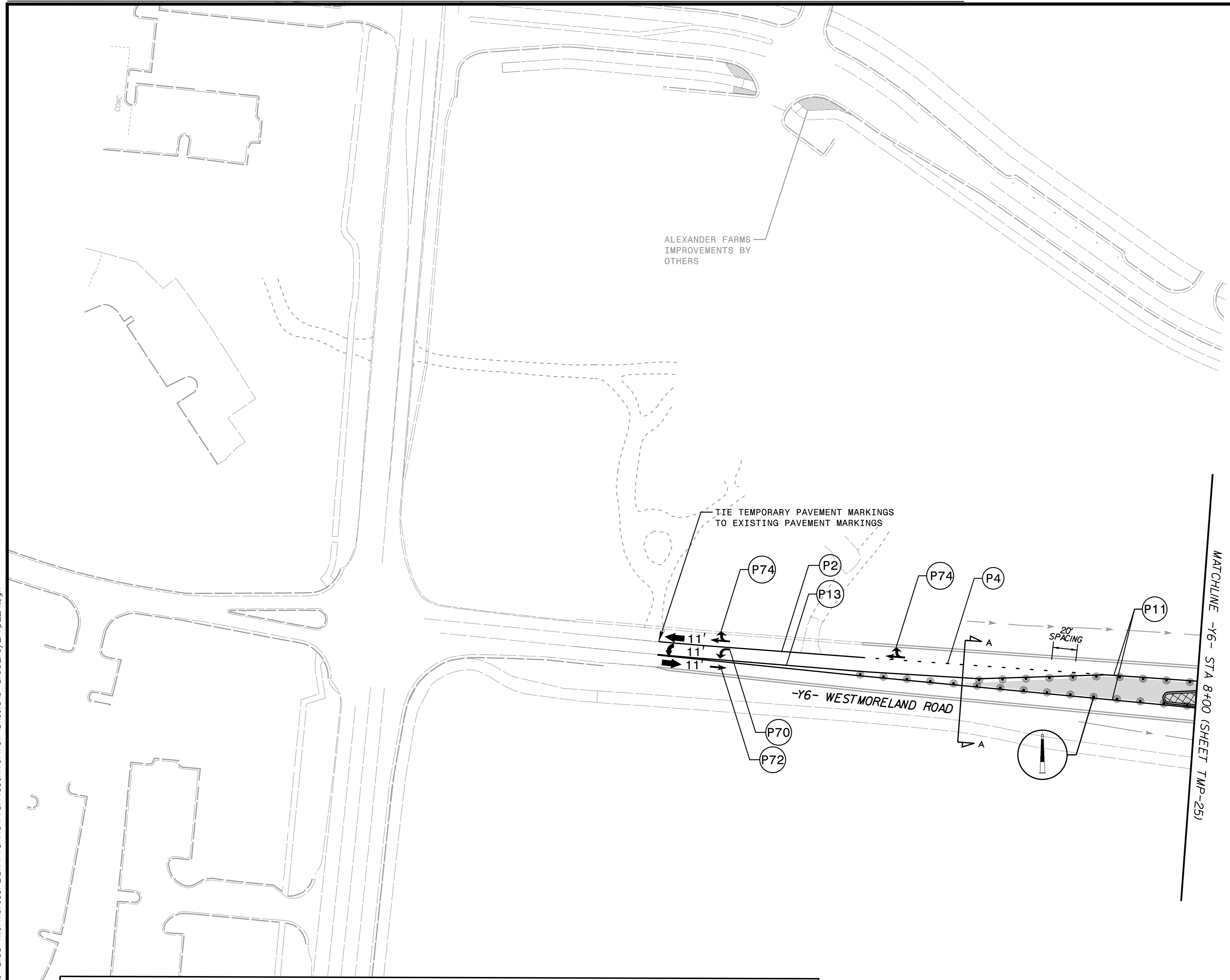
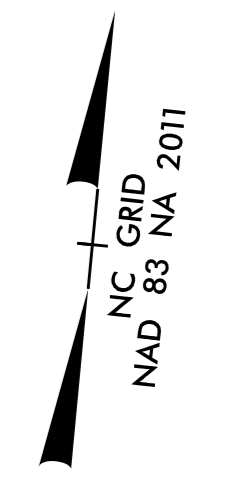
APPROVED:  DATE: 4/9/2024





**PHASE 4
TRAFFIC CONTROL
DETAILS**

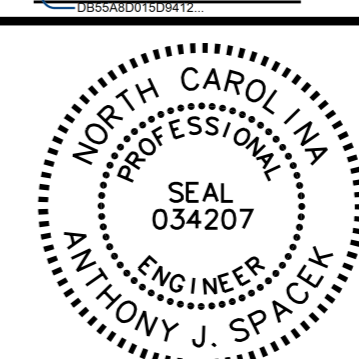


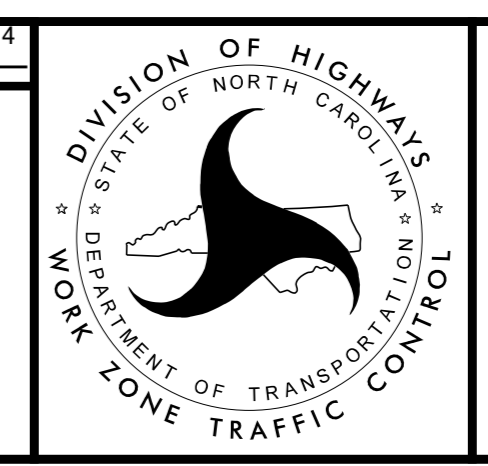


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|--|------------------------|--|--------------------|
| | 4" CONC SIDEWALK | | WEDGING |
| | FULL DEPTH RECLAMATION | | TEMPORARY PAVEMENT |
| | REMOVAL | | WORK AREA |

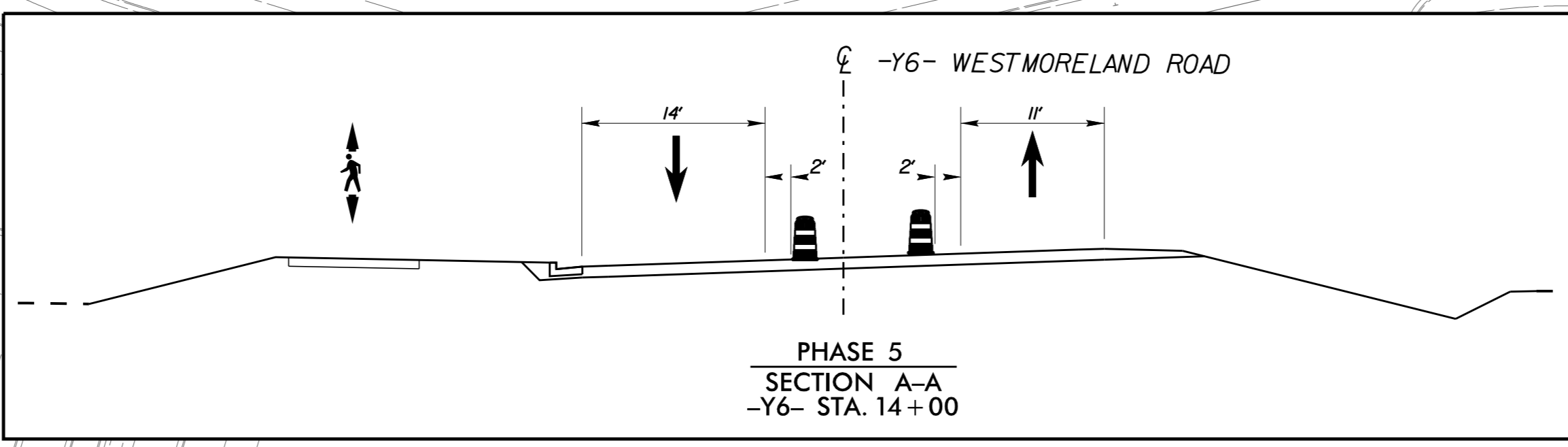
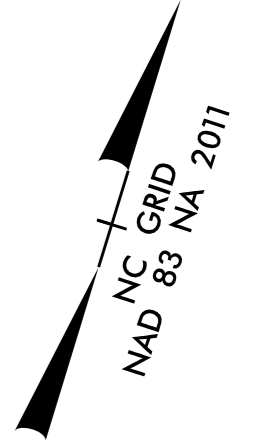
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APPROVED:  DATE: 4/9/2024

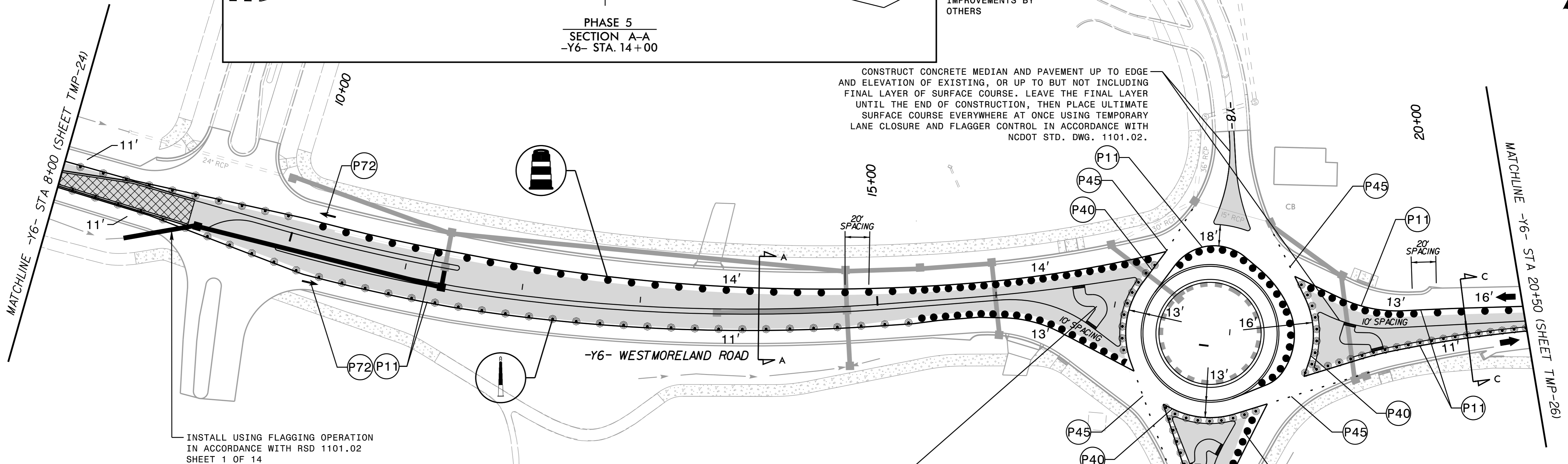


**PHASE 5
TRAFFIC CONTROL
DETAILS**



ALEXANDER FARMS
IMPROVEMENTS BY
OTHERS

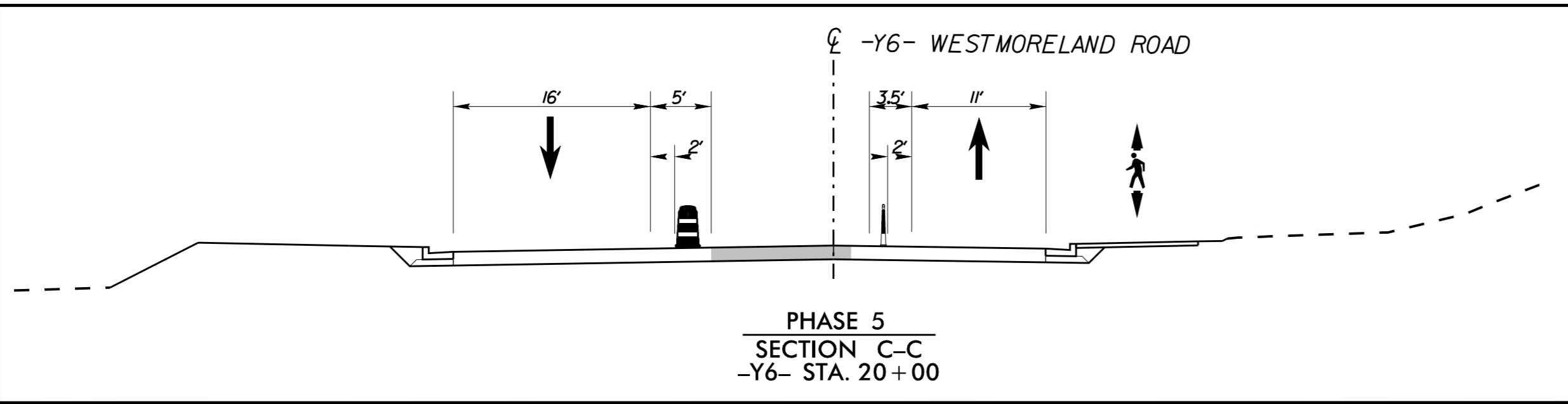
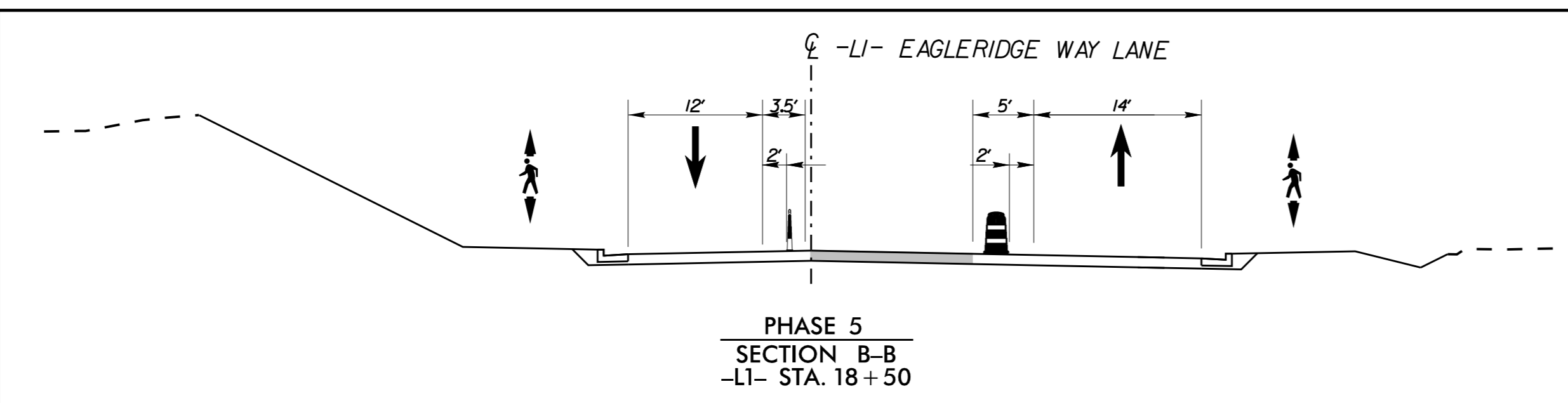
CONSTRUCT CONCRETE MEDIAN AND PAVEMENT UP TO EDGE AND ELEVATION OF EXISTING, OR UP TO BUT NOT INCLUDING FINAL LAYER OF SURFACE COURSE. LEAVE THE FINAL LAYER UNTIL THE END OF CONSTRUCTION, THEN PLACE ULTIMATE SURFACE COURSE EVERYWHERE AT ONCE USING TEMPORARY LANE CLOSURE AND FLAGGER CONTROL IN ACCORDANCE WITH NCDOT STD. DWG. 1101.02.



INSTALL USING FLAGGING OPERATION
IN ACCORDANCE WITH RSD 1101.02
SHEET 1 OF 14

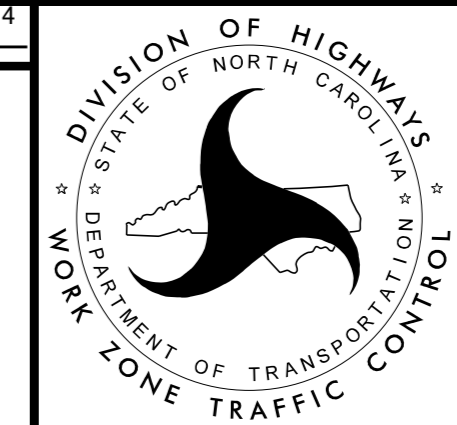
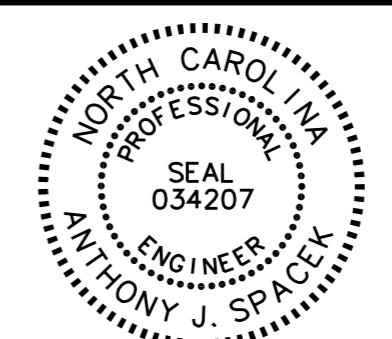
CONSTRUCT CONCRETE MEDIAN AND PAVEMENT UP TO EDGE AND ELEVATION OF EXISTING, OR UP TO BUT NOT INCLUDING FINAL LAYER OF SURFACE COURSE. LEAVE THE FINAL LAYER UNTIL THE END OF CONSTRUCTION, THEN PLACE ULTIMATE SURFACE COURSE EVERYWHERE AT ONCE USING TEMPORARY LANE CLOSURE AND FLAGGER CONTROL IN ACCORDANCE WITH NCDOT STD. DWG. 1101.02.

CONSTRUCT CONCRETE MEDIAN AND PAVEMENT UP TO EDGE AND ELEVATION OF EXISTING, OR UP TO BUT NOT INCLUDING FINAL LAYER OF SURFACE COURSE. LEAVE THE FINAL LAYER UNTIL THE END OF CONSTRUCTION, THEN PLACE ULTIMATE SURFACE COURSE EVERYWHERE AT ONCE USING TEMPORARY LANE CLOSURE AND FLAGGER CONTROL IN ACCORDANCE WITH NCDOT STD. DWG. 1101.02.



- 4" CONC SIDEWALK
- FULL DEPTH RECLAMATION
- REMOVAL
- WEDGING
- TEMPORARY PAVEMENT
- WORK AREA

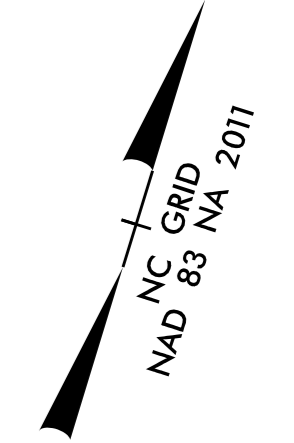
APPROVED: _____ DATE: 4/9/2024



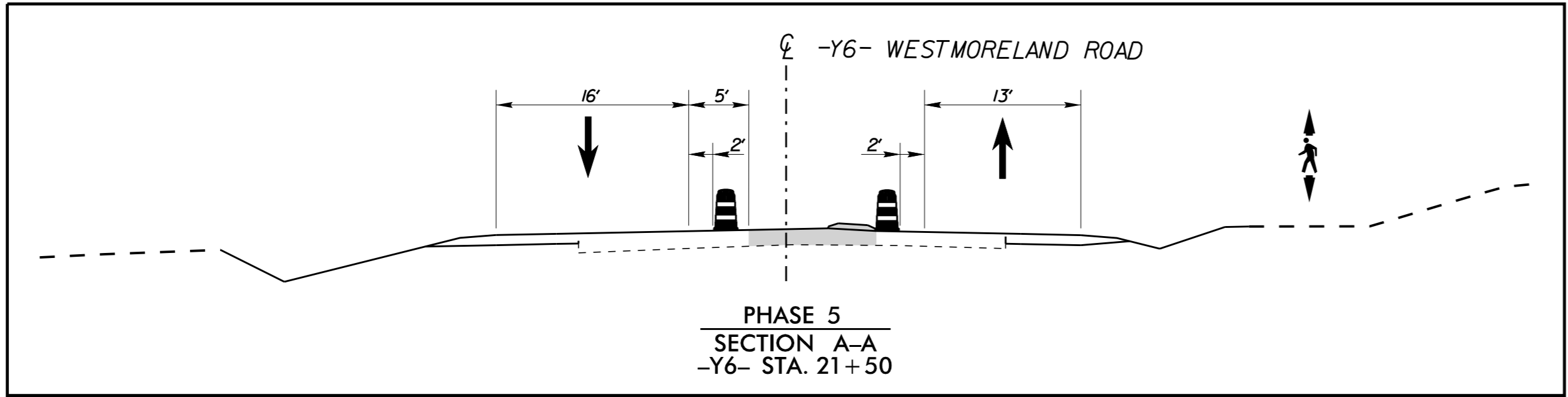
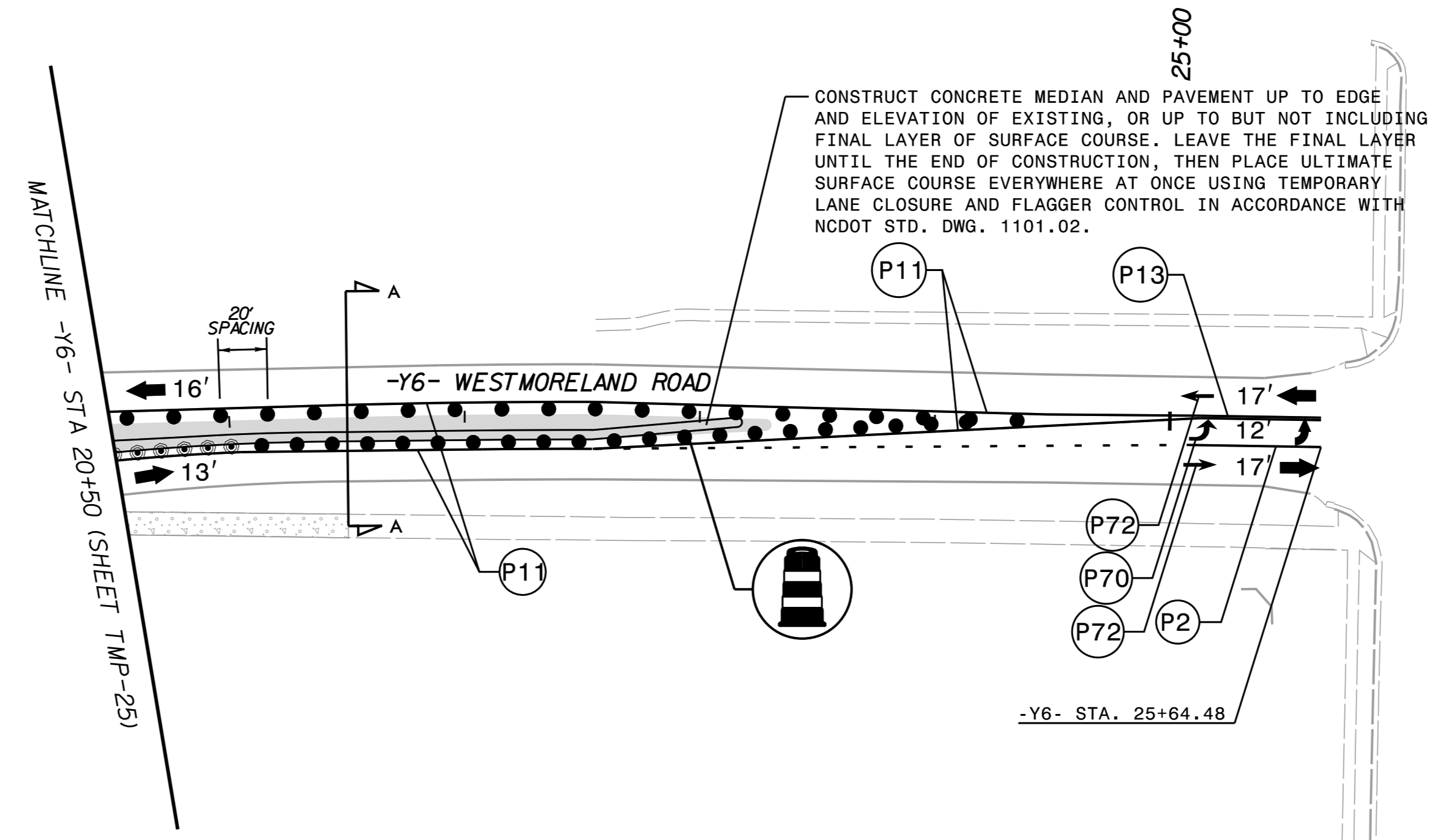
PHASE 5 TRAFFIC CONTROL DETAILS



3/12/2024 K:\CHL\PRJ\01036359 - U-5108 (Northcross)\DSM\Traffic\TrafficControl\CP\Sheets\U-5108_rdy_tmp_25.dgn



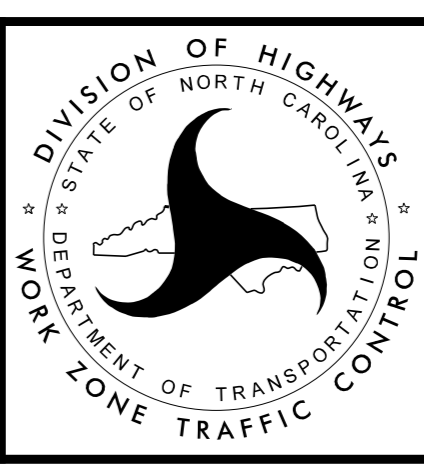
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APPROVED: DATE: 4/9/2024

NORTH CAROLINA
PROFESSIONAL
SEAL
034207
ENGINEER
ANTHONY J. SPICK



PHASE 5
TRAFFIC CONTROL
DETAILS

