STATE OF NORTH CAROLINA DIVISION OF HIGHWAYS

(ZONE 2) U-4009 TCP-1

PLAN FOR PROPOSED TRAFFIC CONTROL, MARKING & DELINEATION

DURHAM COUNTY

LEGEND

REFER TO MAIN TCP-1

ROADWAY STANDARD DRAWINGS

THE FOLLOWING ROADWAY STANDARDS AS APPEAR IN "ROADWAY STANDARD DRAWINGS" -ROADWAY DESIGN UNIT-N.C. DEPARTMENT OF TRANSPORTATION-RALEIGH, N.C., DATED JULY 2006 ARE APPLICABLE TO THIS PROJECT AND BY REFERENCE HEREBY ARE CONSIDERED A PART OF THESE PLANS:

STD. NO.

TITLE

REFER TO MAIN TCP-1

(ZONE 2) PROJECT U-4009

INDEX OF SHEETS

SHEET NO. **TITLE** TCP-1 INDEX OF SHEETS TCP-2 PROJECT NOTES TCP-3 TEMPORARY PAVEMENT MARKING SCHEDULE **PHASING** TCP-4 TCP-5 DETAIL 1 DETAIL 2 TCP-6 TCP-7 DETAIL 3 TCP-8 DETAIL 4 DETAIL 5 TCP-9 TCP-10 ADVANCED WORK ZONE WARNING SIGNS FOR FREEWAYS (4 LANES OR GREATER) FINAL PAVEMENT MARKING SCHEDULE

FINAL PAVEMENT MARKING PLAN

PM-2 & PM-3

PLAN PREPARED BY: N.C.D.O.T. TRAFFIC CONTROL, MARKING & APPROVED: **DELINEATION SECTION** DATE:_ J. S. BOURNE, P.E. TRAFFIC CONTROL ENGINEER J. ISHAK, P.E. __ TRAFFIC CONTROL PROJECT ENGINEER M. HENDEE, P.E. _ TRAFFIC CONTROL PROJECT DESIGN ENGINEER ANITA B. ROPP TRAFFIC CONTROL DESIGN TECHNICIAN

/ Juch 28,000,

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

US 15-501

MONDAY THRU FRIDAY 6:00 A.M. TO 9:00 P.M.

SATURDAY AND SUNDAY 10:00 A.M. TO 9:00 P.M.

GARRETT RD.

MONDAY THRU FRIDAY 6:00 A.M. TO 9:00 P.M.

SATURDAY AND SUNDAY 9:00 A.M. TO 9:00 P.M.

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

ROAD NAME

US 15-501 GARRETT RD.

HOLIDAY

- 1. 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.
- 3. FOR EASTER. BETWEEN THE HOURS OF 6:00 A.M. THURSDAY AND 9:00 P.M. MONDAY.
- 4. FOR MEMORIAL DAY, BETWEEN THE HOURS OF 6:00 A.M. FRIDAY TO 9:00 P.M. TUESDAY.
- 5. 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.

- 6. FOR LABOR DAY, BETWEEN THE HOURS OF 6:00 A.M. FRIDAY AND 9:00 P.M. TUESDAY.
- 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.
- 9. FOR UNC-CHAPEL HILL AND DUKE GRADUATIONS, BETWEEN THE HOURS OF 6:00 A.M. THE FRIDAY OF THE WEEK OF THE UNC-CHAPEL HILL AND DUKE GRADUATIONS AND 9:00 P.M.THE FOLLOWING MONDAY AFTER THE WEEK OF THE UNC-CHAPEL HILL AND DUKE GRADUATIONS .
- C) DO NOT STOP TRAFFIC AS FOLLOWS:

ROAD NAME

DAY AND TIME RESTRICTIONS

DURATION AND OPERATION

US 15-501

MONDAY THRU FRIDAY

15 MINUTES FOR TRAFFIC 6:00 A.M. TO 9:00 P.M. SHIFTS AND TIE-INS

SATURDAY AND SUNDAY 10:00 A.M. TO 9:00 P.M.

GARRETT RD. MONDAY THRU FRIDAY 6:00 A.M. TO 9:00 P.M. 15 MINUTES FOR TRAFFIC SHIFTS AND TIE-INS

SATURDAY AND SUNDAY 9:00 A.M. TO 9:00 P.M. 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 AN OPEN TRAVEL LANE, CLOSE THE NEAREST OPEN SHOULDER USING ROADWAY STANDARD DRAWING NO. 1101.04 UNLESS THE WORK AREA IS PROTECTED BY BARRIER OR GUARDRAIL OR A LANE CLOSURE IS INSTALLED.
- WHEN PERSONNEL AND/OR EQUIPMENT ARE WORKING ON THE SHOULDER ADJACENT TO AN UNDIVIDED FACILITY AND WITHIN 5 FT OF AN OPEN TRAVEL LANE, CLOSE THE NEAREST OPEN TRAVEL LANE USING ROADWAY STANDARD DRAWING NO. 1101.02 UNLESS THE WORK AREA IS PROTECTED BY BARRIER OR GUARDRAIL.

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

- WHEN PERSONNEL AND/OR EQUIPMENT ARE WORKING WITHIN A LANE OF TRAVEL OF AN UNDIVIDED OR DIVIDED FACILITY, CLOSE THE LANE ACCORDING TO THE TRAFFIC CONTROL PLANS, ROADWAY STANDARD DRAWINGS OR AS DIRECTED BY THE ENGINEER. CONDUCT THE WORK SO THAT ALL PERSONNEL AND/OR EQUIPMENT REMAIN WITHIN THE CLOSED TRAVEL LANE.
- DO NOT WORK SIMULTANEOUSLY WITHIN 15 FT ON BOTH SIDES OF AN OPEN TRAVELWAY, RAMP OR LOOP WITHIN THE SAME LOCATION UNLESS PROTECTED WITH GUARDRAIL OR BARRIER.
- DO NOT INSTALL MORE THAN 0.5 MILE OF LANE CLOSURE ON US 15-501 AND GARRETT RD. MEASURED FROM THE BEGINNING OF THE MERGE TAPER TO THE END OF THE LANE CLOSURE.
- DO NOT INSTALL MORE THAN ONE LANE CLOSURE, IN ANY ONE DIRECTION, ON US 15-501 AND GARRETT RD..

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

N) NOTIFY THE ENGINEER TWENTY ONE (21) CALENDAR DAYS PRIOR TO ANY TRAFFIC PATTERN ALTERATION.

SIGNING

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

TRAFFIC CONTROL DEVICES

- R) SPACE CHANNELIZING DEVICES IN WORK AREAS NO GREATER THAN TWICE THE POSTED SPEED LIMIT (MPH), EXCEPT 10 FT ON-CENTER IN RADII, AND 3 FT OFF THE EDGE OF AN OPEN TRAVELWAY, WHEN LANE CLOSURES ARE NOT IN EFFECT. WHEN SKINNY DRUMS ARE ALLOWED, REFER TO SECTION 1180 OF STANDARD SPECIFICATIONS FOR ROADS AND STRUCTURES OR AS SHOWN IN THE PLANS.
- PLACE TYPE III BARRICADES, WITH "ROAD CLOSED" SIGN R11-2 ATTACHED, OF SUFFICIENT LENGTH TO CLOSE ENTIRE ROADWAY.

PROJ. REFERENCE NO. SHEET NO. U-4009 TCP-2

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

ALL ROADS

INSTALL PAVEMENT MARKINGS AND PAVEMENT MARKERS ON THE FINAL SURFACE AS FOLLOWS:

PERMANENT RAISED

MARKER ROAD NAME MARKING

THERMOPLASTIC

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

ROAD NAME MARKING **MARKER**

TEMPORARY RAISED ALL ROADS PAINT

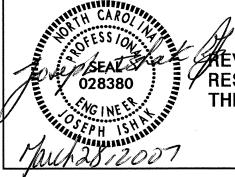
- PLACE ONE APPLICATION OF PAINT FOR TEMPORARY TRAFFIC PATTERNS. PLACE A SECOND APPLICATION OF PAINT SIX (6) MONTHS AFTER THE INITIAL APPLICATION AND EVERY SIX MONTHS AS DIRECTED BY THE ENGINEER.
- TIE PROPOSED PAVEMENT MARKING LINES TO EXISTING PAVEMENT MARKING LINES.
- REMOVE/REPLACE ANY CONFLICTING/DAMAGED PAVEMENT MARKINGS AND MARKERS BY THE END OF EACH DAY'S OPERATION.
- TRACE THE PROPOSED MONOLITHIC ISLAND LOCATIONS WITH PROPER COLOR PAVEMENT MARKINGS PRIOR TO INSTALLATION. PLACE CONES TO DELINEATE ANY EXISTING AND PROPOSED MONOLITHIC ISLANDS AFTER REMOVAL AND BEFORE INSTALLATION

TEMPORARY / FINAL SIGNALS

- AA) NOTIFY THE ENGINEER TWO (2) MONTHS BEFORE A TRAFFIC SIGNAL INSTALLATION BY OTHERS IS REQUIRED.
- BB) SHIFT AND REVISE ALL SIGNAL HEADS AS SHOWN ON THE SIGNAL PLANS.

MISCELLANEOUS

- CC) POLICE MAY BE USED TO MAINTAIN TRAFFIC THROUGH THE WORK AREA AND/OR INTERSECTIONS, AS DIRECTED BY THE ENGINEER.
- DD) IN THE EVENT A TIE-IN CANNOT BE MADE IN ONE DAYS TIME, BRING THE TIE-IN AREA TO AN APPROPRIATE ROADWAY ELEVATION, AS DETERMINED BY THE ENGINEER. PLACE BLACK ON ORANGE "LOOSE GRAVEL" SIGNS (W8-7) AND BLACK ON ORANGE "PAVEMENT ENDS" SIGNS (W8-3) 500 FT AND 1000 FT RESPECTIVELY IN ADVANCE OF THE UNEVEN AREAS. USE DRUMS TO DELINEATE THE EDGE OF ROADWAY ALONG UNPAVED AREAS.
- EE) REFER TO MUTCD FOR PEDESTRIAN DETOUR CONSIDERATIONS.



MEVISED FEBRUARY 2007 TO MODIFY THE PROJECT TIME FYRESTRICTIONS AND UPDATE THE GENERAL NOTES TO THE NEW NOTES.

DATE:_ APPROVED:_ NOT A CERTIFIED DOCUMENT AS TO THE ORIGINAL DOCUMENT BUT ONLY AS TO THE REVISION THIS PLAN ORIGINALLY ISSUED AND SEALED BY MITCHELL HENDEE, P.E., #027791, ON 2/17/04. THIS DOCUMENT ONLY CERTIFIED DESIGN BY: MHS

AS TO THE REVISIONS.

PROJECT NOTES

NONE 2/23/07 MHS DWG. BY: REVIEWED BY: HAL



REVISIONS

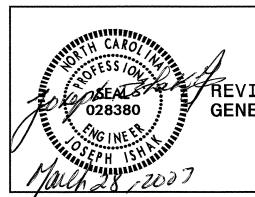
PROJ. REFERENCE NO. SHEET NO. U-4009 TCP-3

TEMPORARY PAVEMENT MARKING SCHEDULE

SYMBOL	DESCRIPTION			ITEM QUANITY BREAKDOWN			TOTAL QUANTITY		
		TEMPORARY							
		PAVEMENT MARKINGS							
DΛ	WHITE EDOEL THE (OV)	PAINT (4")		050					
PA PC	WHITE EDGELINE (2X) 10 FT. WHITE SKIP (2X)			850 1700	LF LF		· v		
PD PE	2 FT. WHITE MINISKIP (2X) WHITE SOLID LANE LINE (2X)			930 5500	LF LF				
PF PH	10 FT. YELLOW SKIP (2X) YELLOW SINGLE CENTER (2X)		4	3125 15800	LF LF				
ΡI	YELLOW DOUBLE CENTER (2X)			15800	LF				
						TOTAL	43705	LF	
		PÁINT (6")							
PM	WHITE SOLID LANE LINE (2X)			400	LF				
						TOTAL	400	LF	
		PAINT (8")							
PV	YELLOW DIAGONAL (2X)				LF				
PX	WHITE CROSSWALK LINE (2X)			400	LF				
						TOTAL	550	LF	
Р4	WHITE STOPBAR (2X)	PAINT (24")		1450	LF				
				1100		TOTAL	1450	1 5	
						TOTAL	1450	LF	
QA	LEFT TURN ARROW (2X)	PAINT MARKING SYMBOLS		42	EA				
QB QC	RIGHT TURN ARROW (2X) STRAIGHT ARROW (2X)			28 22	EA EA				
QD	COMBO.STRAIGHT/LEFT (2X)			4	EA	TOTAL	0.6	Ε.Δ	
						TOTAL	90	EA	
		MARKERS							
		TEMPORARY RAISED PAVEMENT MARKER	RS						
M H M I	YELLOW & YELLOW Crystal & red			250 175	EA EA				
						TOTAL	425	EA	

TEMPORARY PAVEMENT MARKING SCHEDULE NOTES:

- AS DIRECTED BY THE ENGINEER, TEMPORARY PAVEMENT MARKING (PAINT) MAY BE USED TO STRIPE THE FINAL TRAFFIC PATTERN ON THE -L-, -Y2-, -NSR1- AND -NSR2- LINES. THE TEMPORARY PAVEMENT MARKING SCHEDULE SHOWN ON TCP-3 INCLUDES QUANTITIES FOR PLACING TWO APPLICATIONS OF PAINT ON THE FINAL SURFACE OF NEW ASPHALT WITH PERMANENT TRAFFIC PATTERNS WHICH WILL REMAIN IN PLACE UNTIL THE PROPOSED FINAL PAVEMENT MARKING (THERMOPLASTIC) IS APPLIED.
- FOR EACH PAINT PAVEMENT MARKING ITEM, 1X IMPLIES A SINGLE APPLICATION, 2X IMPLIES TWO APPLICATIONS AND 3X IMPLIES THREE APPLICATIONS.

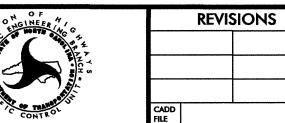


REVISED FEBRUARY 2007 TO REMOVE THE OLD GENERAL NOTES FROM SHEET.

NOT A CERTIFIED DOCUMENT
AS TO THE ORIGINAL DOCUMENT,
BUT ONLY AS TO THE REVISION.
THIS PLAN ORIGINALLY
ISSUED AND SEALED BY
MITCHELL HENDEE, P.E.,
#027791, ON 2/17/04. THIS DOCUMENT ONLY CERTIFIED DESIGN BY: MH
AS TO THE REVISIONS.

PROJECT NOTES "T" THRU "KK" AND TEMPORARY PAVEMENT MARKING SCHEDULE

NONE 2/6/04 DWG. BY: ABR REVIEWED BY: MH



PHASING NOTES

MAINTAIN DRIVEWAY ACCESS TO ALL RESIDENCES AND BUSINESSES WITHIN THE PROJECT LIMITS DURING PROJECT CONSTRUCTION.

RETURN TRAFFIC TO THE EXISTING PATTERN AT THE END OF EACH WORK DAY UNLESS OTHERWISE NOTED IN THE PHASING OR AS DIRECTED BY THE ENGINEER.

INSTALL ALL REQUIRED PEDESTRIAN WARNING SIGNS PER GENERAL NOTE EE BEFORE BEGINNING ANY SIDEWALK CONSTRUCTION.

- STEP 1: INSTALL ADVANCE WORK ZONE WARNING SIGNS. SEE SHEET TCP-10.
- STEP 2: USING RSD 1101.02, SHEETS 1 OR 2 OF 9, PERFORM THE FOLLOWING: SEE SHEETS TCP-5 AND TCP-6.
 - 1. PLACE TYPE III BARRICADES AT -NSR1- STA. 10+75+/- AND -NSR2- STA. 18+65+/-.
 - 2. CONSTRUCT THE FOLLOWING:
 - PROPOSED -NSR1- ROADWAY FROM -NSR1- STAS. 10+20+/- TO 17+25+/- UP TO THE EDGE AND ELEVATION OF EXISTING -Y2-, INCLUDING ALL RIGHT SIDE CURB & GUTTER. SEE SHEET TCP-6.
 - PROPOSED -NSR1- LEFT SIDE CURB & GUTTER FROM -NSR1- STAS. 12+33+/- TO 17+25+/-. SEE SHEET TCP-6.
 - PROPOSED 36' DRIVEWAYS AT -NSR1- STAS. 12+33+/- AND 13+27+/-. SEE SHEET TCP-6.
 - PROPOSED -NSR2- FROM -NSR2- STAS. 10+00+/- TO 18+65+/- UP TO THE EDGE AND ELEVATION OF THE EXISTING SERVICE ROAD, INCLUDING CURB & GUTTER.
 - BEGIN PROPOSED -Y2- DRAINAGE WORK.
 - 3. CONSTRUCT WIDENING RIGHT OF PROPOSED -Y2- UP TO THE EDGE AND ELEVATION OF EXISTING -Y2- FROM -Y2- STAS. 10+20+/- TO 18+63, INCLUDING PROPOSED CURB & GUTTER AND PROPOSED SIDEWALK. SEE SHEET TCP-6.
 - CONSTRUCT DRIVEWAY RIGHT OF -Y2- FROM -Y2- STAS, 17+30+/- TO 17+60+/-AND OPEN TO TRAFFIC.
 - COMPLETE ALL UTILITY WORK ON RIGHT SIDE OF -Y2-.
- STEP 3: USING RSD 1101.02, SHEETS 1 OR 2 OF 9, PERFORM THE FOLLOWING:
 - 1. COMPLETE TIE-IN OF PROPOSED -NSR1- WITH PROPOSED -Y2- FROM -NSR1- STAS. 10+20+/-TO 10+75+/- UP TO THE EDGE AND ELEVATION OF EXISTING -Y2- AND OPEN PORTION OF PROPOSED -NSR1- FROM -NSR1- STAS. 10+20+/- TO 14+00+/- TO ALLOW ACCESS TO PARCEL NO. 6.
 - 2. INSTALL AND COVER TEMPORARY SIGNAL #1 AT -Y2- AND -L- INTERSECTION. SEE SIGNAL PLANS AND TCP-7.
 - COMPLETE INSTALLATION OF REMAINING PROPOSED -NSR1- LEFT SIDE CURB & GUTTER.
 - COMPLETE DRAINAGE WORK ON PROPOSED -NSR1- AND PROPOSED -NSR2-.
- STEP 4: USING RSD 1101.02, SHEETS 1 OR 2 OF 9. PERFORM THE FOLLOWING: (SEE TCP-7 AND 8).
 - 1. PLACE TEMPORARY MARKINGS (PAINT) AND MARKERS (TEMPORARY RAISED) ON THE FOLLOWING, AS SHOWN ON SHEETS TCP-7 AND TCP-8:
 - PROPOSED -Y2- FROM -Y2- STAS. 10+20.00 TO 17+68+/- AND -Y2- STAS. 20+00+/- TO 23+35+/-, REMOVING ANY EXISTING MARKINGS AND MARKERS WHERE NECESSARY.
 - PROPOSED -NSR1- FROM -NSR1- STAS. 10+30+/- TO 17+25+/-.
 - PROPOSED -NSR2- FROM -NSR2- STAS. 10+00+/- TO 18+55+/-.
 - 2. OPEN PROPOSED -NSR1- AND -NSR2- TO FINAL TWO-LANE, TWO-WAY TRAFFIC PATTERN.
 - 3. CLOSE PORTION OF SOUTHBOUND LANE OF EXISTING -Y2-.
 - CLOSE PORTIONS OF EXISTING SERVICE ROAD LEFT AND RIGHT OF EXISTING -Y2-USING TYPE III BARRICADES.
 - 4. COMPLETE PROPOSED CURB & GUTTER RIGHT OF PROPOSED -Y2- FROM -Y2- STAS. 22+50+/- TO 23+65+/-.
 - 5. UNCOVER AND ACTIVATE TEMPORARY SIGNAL #1 AT -Y2- AND -L- INTERSECTION (SEE SIGNAL PLANS) AND SHIFT GARRETT ROAD TRAFFIC TO THE PROPOSED TEMPORARY TRAFFIC PATTERN AS SHOWN ON SHEETS TCP-7 AND TCP-8.

STEP 5: USING RSD 1101.02, SHEETS 1 OR 2 OF 9, PERFORM THE FOLLOWING. RETURN TRAFFIC TO THE TEMPORARY PATTERN AS SHOWN ON SHEETS TCP-7 AND TCP-8 AT THE END OF EACH WORK DAY:

- COMPLETE WIDENING LEFT OF PROPOSED -Y2- FROM -Y2- STAS. 14+50+/- TO 23+50+/-UP TO BUT NOT INCLUDING FINAL LAYER, INCLUDING PROPOSED CURB & GUTTER AND SIDEWALK. REPLACE MARKINGS AND MARKERS AS NECCESSARY.
- COMPLETE DRAINAGE WORK ON PROPOSED -Y2-.
- INSTALL AND COVER TEMPORARY SIGNAL #2 (SEE SIGNAL PLANS).
- COMPLETE REMOVAL OF EXISTING SERVICE ROADS LEFT AND RIGHT OF PROPOSED -Y2-. SEE ROADWAY PLANS FOR LOCATIONS.
- COMPLETE ALL UTILITY WORK ON LEFT SIDE OF -Y2-.
- STEP 6: USING RSD 1101.02, SHEET 1, 2 OR 3 OF 9, PERFORM THE FOLLOWING: RETURN -Y2- TRAFFIC TO THE FINAL PATTERN BY THE END OF EACH WORK DAY. RETURN -L- TRAFFIC TO THE EXISTING PATTERN BY THE END OF EACH WORK DAY.
 - 1. PLACE TEMPORARY MARKINGS (PAINT) AND MARKERS (TEMPORARY RAISED) FROM -Y2- STAS. 10+20+/- TO 23+35+/- AS SHOWN ON SHEETS TCP-9 AND PM-3, TYING TO EXISTING MARKINGS AT -Y2- STA. 10+20+/-. INSTALL END OF ROAD OBJECT MARKERS AS SHOWN ON TCP-9.
 - 2. UNCOVER AND ACTIVATE TEMPORARY SIGNAL #2 (SEE SIGNAL PLANS) AND SHIFT -Y2- TRAFFIC TO TEMPORARY TRAFFIC PATTERN AS SHOWN ON SHEETS TCP-9 AND PM-3.
 - 3. PERFORM THE FOLLOWING: SEE SHEET TCP-9.
 - CONSTRUCT PROPOSED LEFT TURN LANE ON EXISTING -L- FROM -L- STAS. 86+86+/- TO 95+70+/-UP TO BUT NOT INCLUDING THE FINAL LAYER OF SURFACE COURSE.
 - CONSTRUCT PROPOSED MONOLITHIC ISLAND ON -L- FROM -L- STAS. 87+30+/- TO 95+70+/-.
 - INSTALL CENTER LANE CLOSURE ON -Y2- AND CONSTRUCT PROPOSED MONOLITHIC ISLAND FROM -Y2- STAS. 21+65+/- TO 23+20+/-.
 - COMPLETE DRAINAGE WORK ON PROPOSED -L-.
 - 4. COMPLETE CONSTRUCTION OF THE FOLLOWING UP TO AND INCLUDING THE FINAL LAYER OF SURFACE COURSE AND REPLACE MARKINGS AND MARKERS AS NECESSARY:
 - PROPOSED -L- FROM -L- STAS. 86+86+/- TO 95+70+/-.
 - PROPOSED -Y2- FROM -Y2- STAS, 10+20+/- TO 24+16+/-.
 - PROPOSED -NSR1- FROM -NSR1- STAS. 10+30+/- TO 17+25+/-.
 - PROPOSED -NSR2- FROM -NSR2- STAS. 10+00+/- TO 18+65+/-.
 - 5. INSTALL AND COVER FINAL SIGNAL AT GARRETT ROAD AND US 15-501.
- STEP 8: USING RSD 1101.02, SHEETS 1, 2 OR 3 OF 9, PERFORM THE FOLLOWING: AT THE END OF EACH WORK DAY, RETURN TRAFFIC TO THE FINAL PATTERN. SEE SHEETS PM-2 AND PM-3.
 - 1. PLACE FINAL MARKINGS (THERMOPLASTIC) AND MARKERS (PERMANENT RAISED), TYING TO EXISTING MARKINGS AND MARKERS ON THE FOLLOWING AND ACTIVATE FINAL SIGNAL:
 - PROPOSED -L- FROM -L- STAS. 86+86+/- TO 95+93+/-.
 - PROPOSED -Y2- FROM -Y2- STAS. 10+20+/- TO 23+45+/-.
 - PROPOSED -NSR2- FROM -NSR2- STAS. 10+00+/- TO 18+55+/-.
 - PROPOSED -NSR1- FROM -NSR1- STAS. 10+00+/- TO 17+25+/-.

STEP 9: REMOVE ALL REMAINING TRAFFIC CONTROL DEVICES.

THE REVISED FEBRUARY 2007 TO UPDATE THE FY ROADWAY STANDARDS REFERENCED IN THE PHASING TO THE 2006 ROADWAY STANDARDS

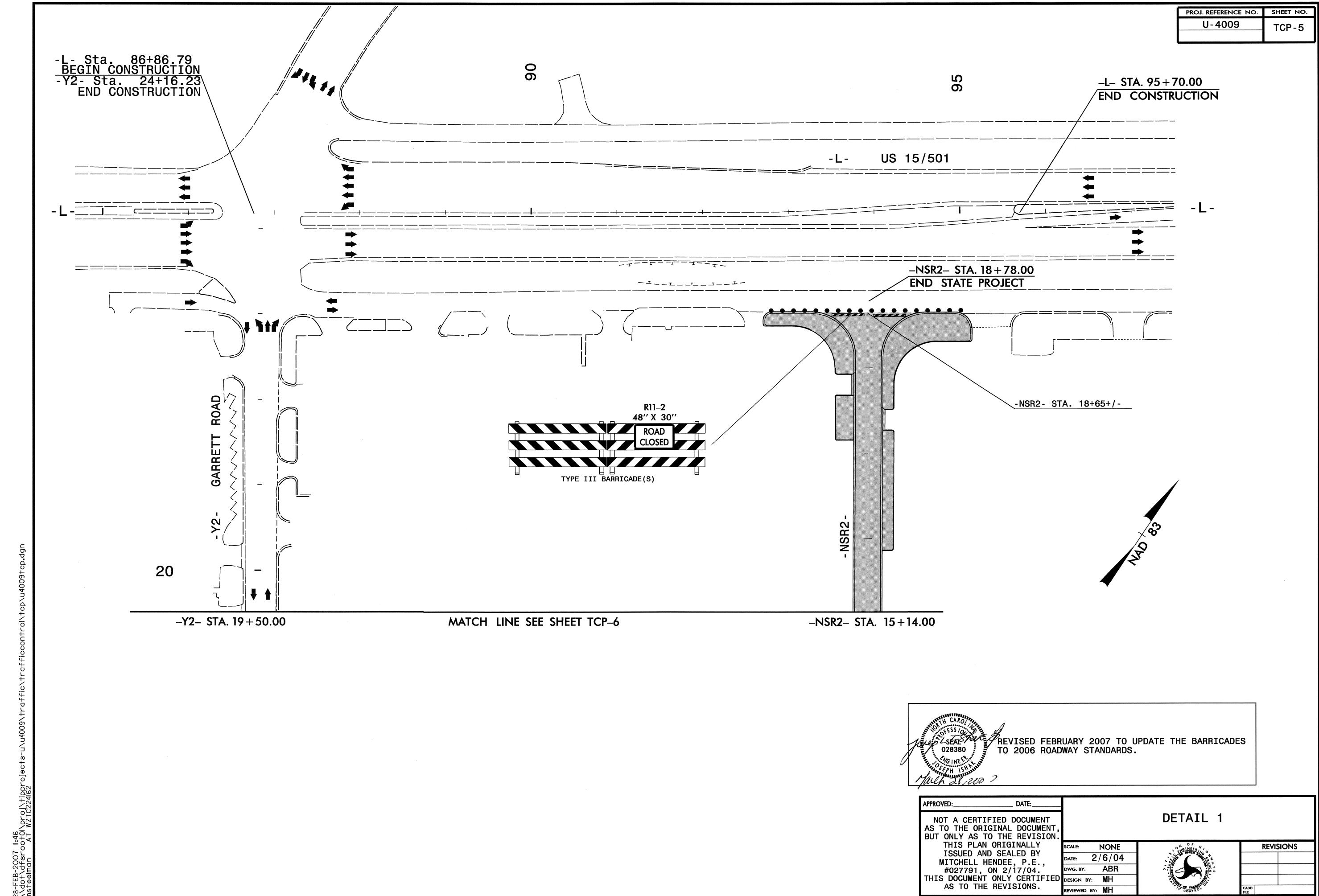
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#027791, ON 8/28/04.	D١
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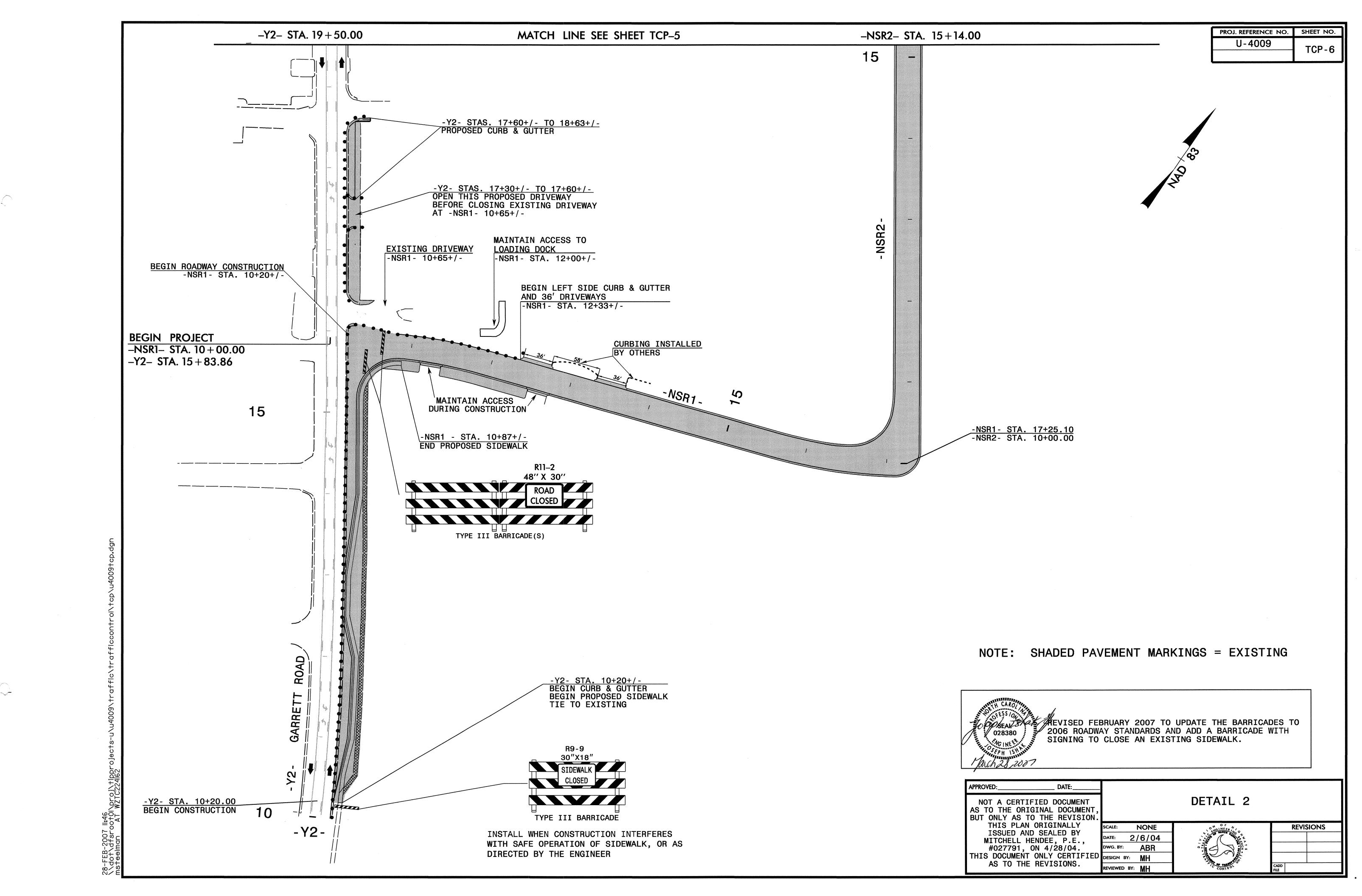
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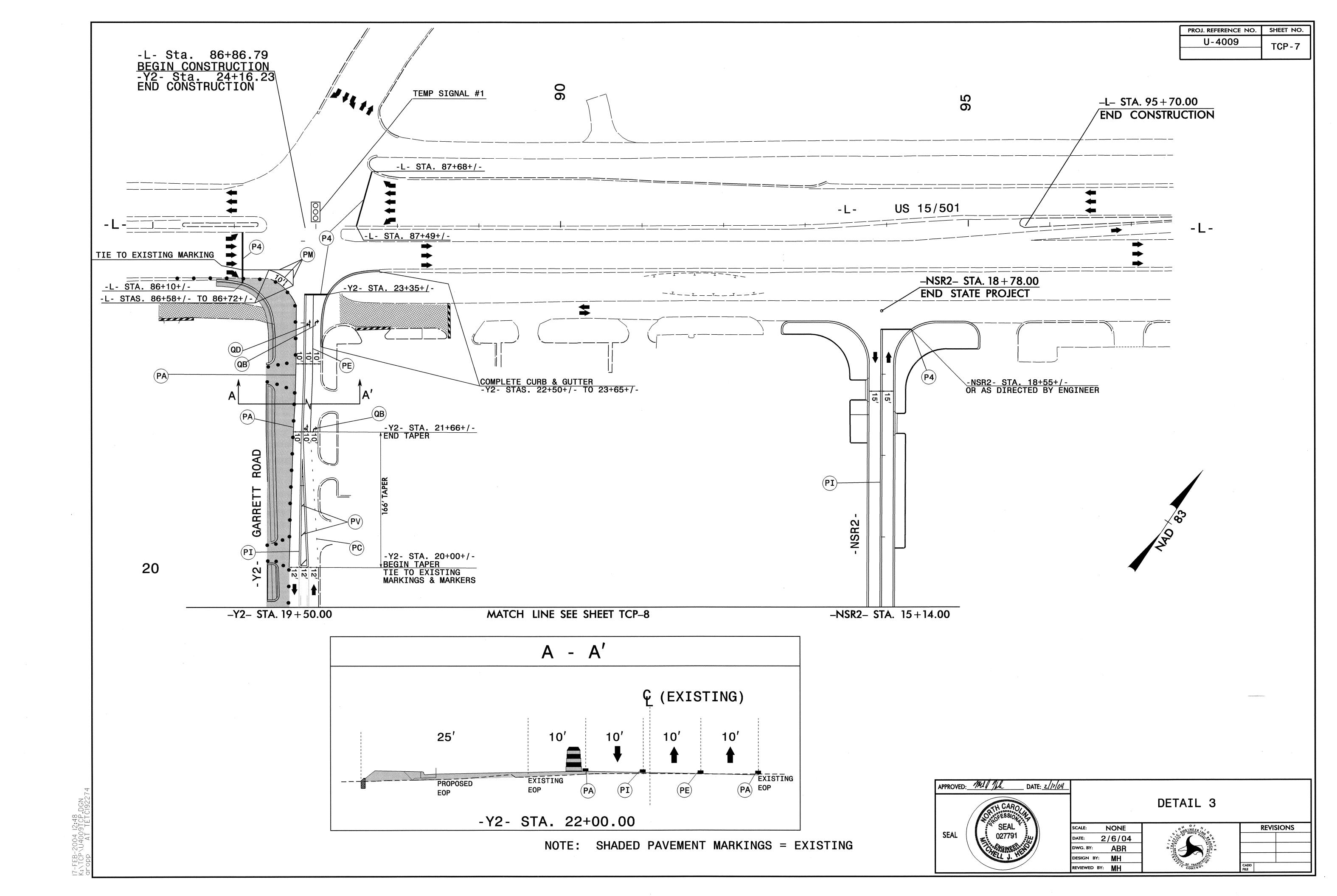
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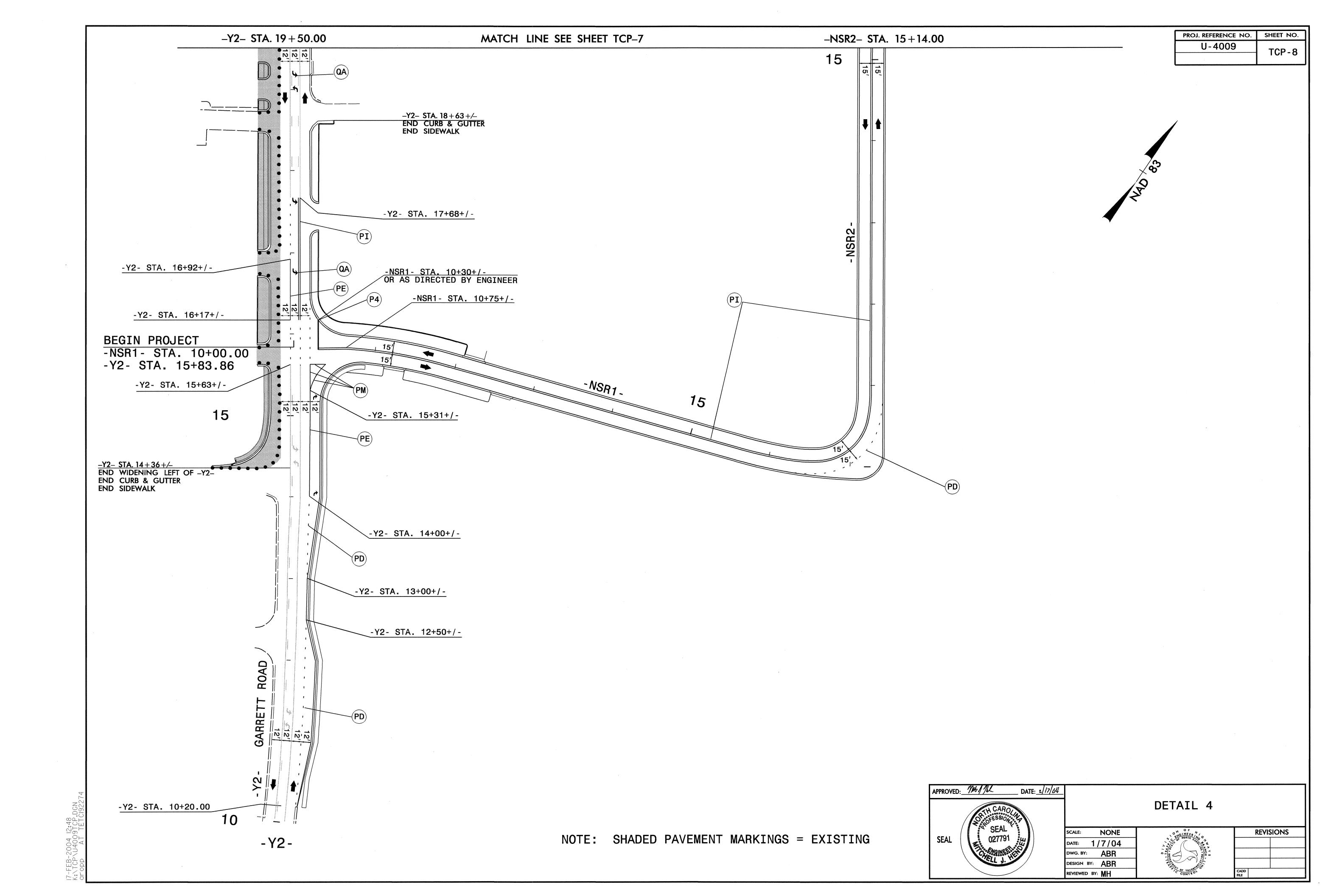
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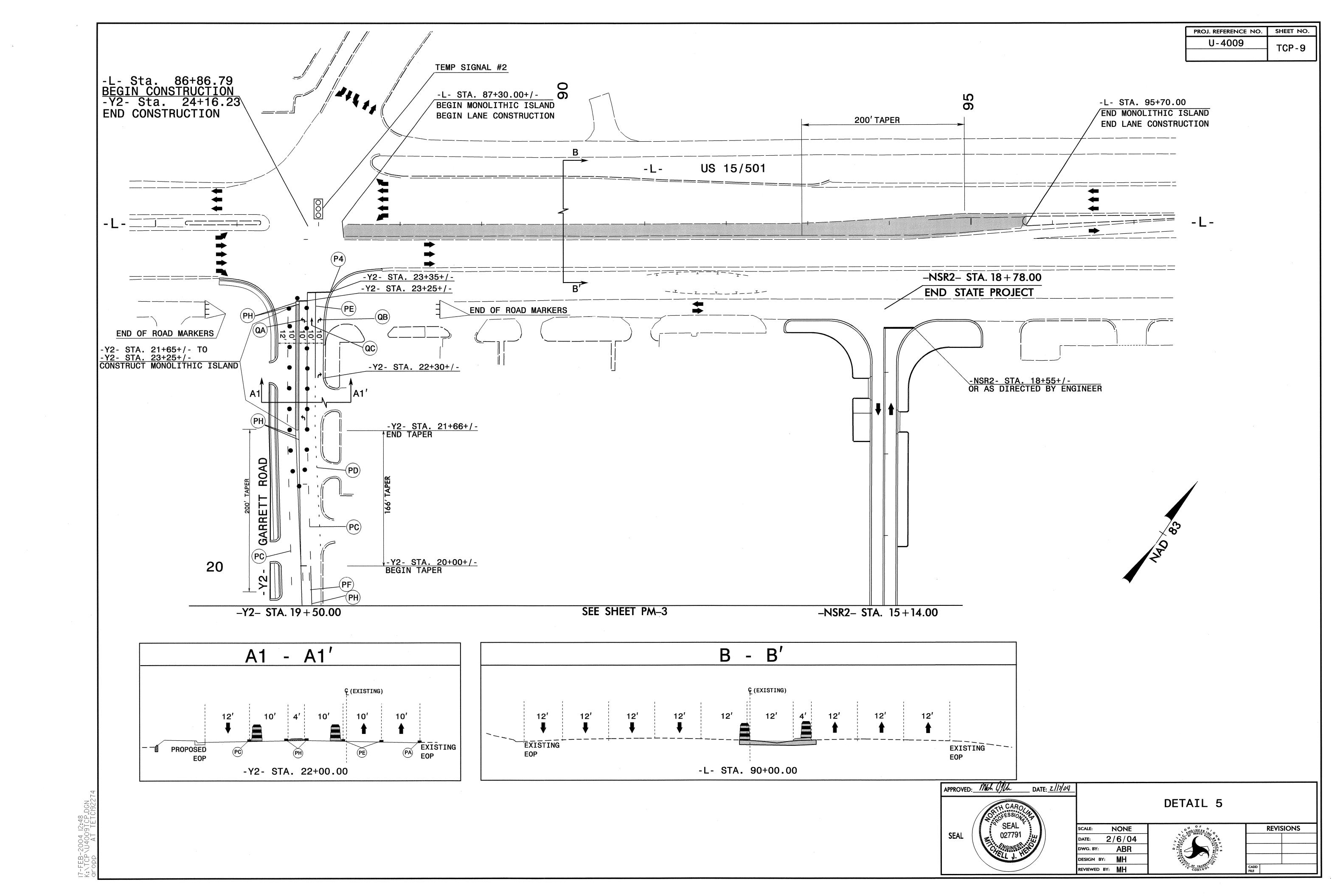
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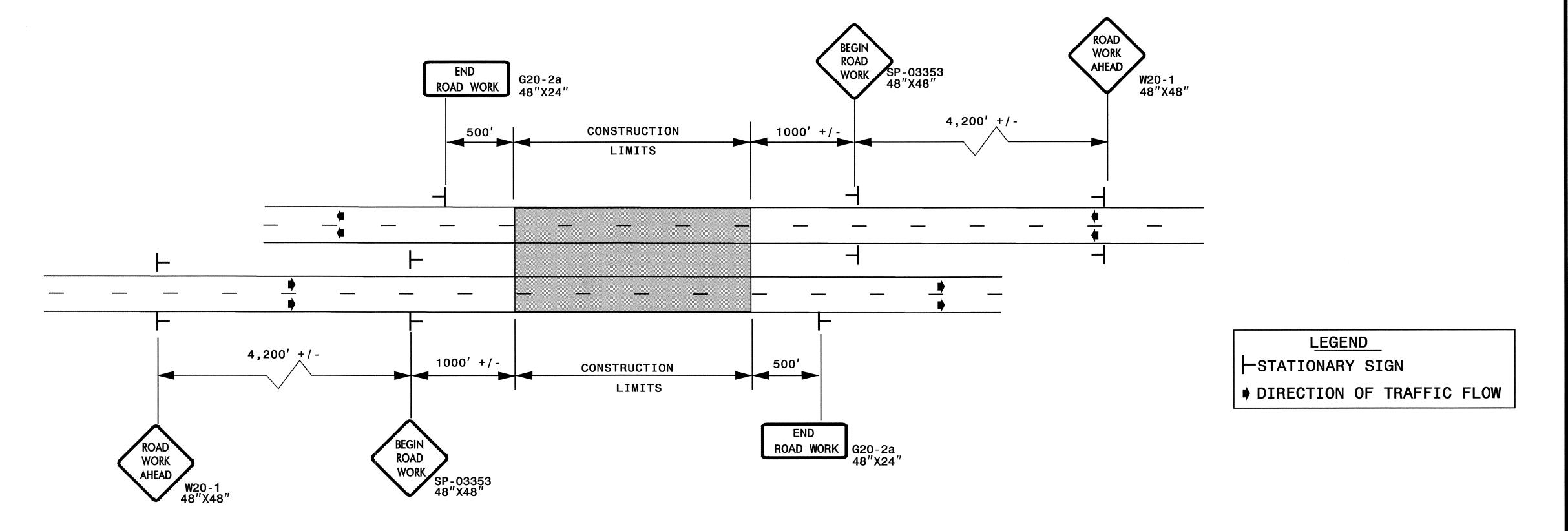


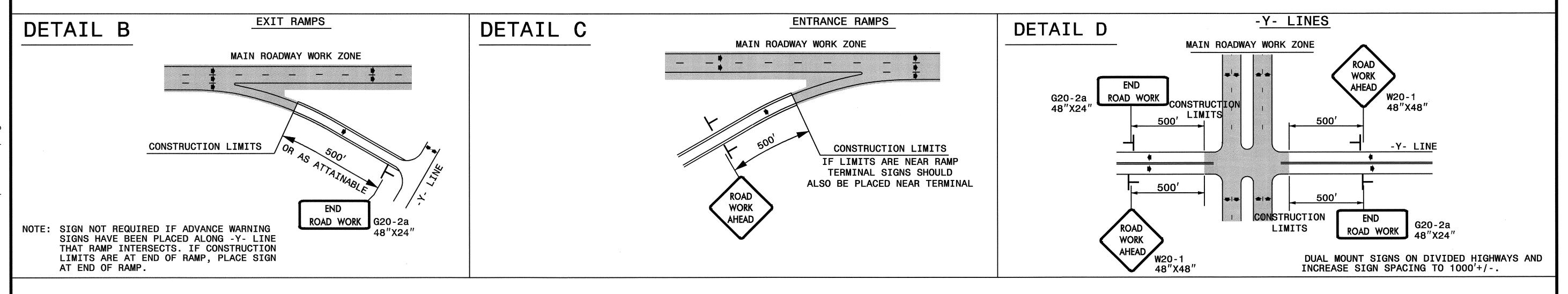




U-4009 TCP-10

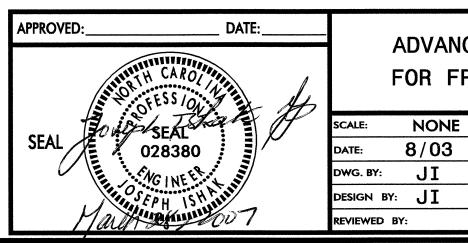
DETAIL A





GENERAL NOTES

- USE FLUORESCENT ORANGE SHEETING (TYPE VII OR HIGHER) ON ALL ADVANCED WORK ZONE SIGNS.
- DO NOT INSTALL ADVANCE WARNING SIGNS MORE THAN 3 DAYS PRIOR TO BEGINNING OF WORK.
- SIGNS SHOWN ARE REQUIRED FOR WORK ZONES THAT WILL REMAIN IN EFFECT OVERNIGHT. FOR SHORT-TERM DAILY MAINTENANCE TYPE OPERATIONS, THIS SIGNING APPLICATION IS OPTIONAL; MAY USE ONLY APPLICABLE ROADWAY STANDARD DRAWINGS INSTEAD. HOWEVER, IF THIS SIGNING APPLICATION IS USED, SIGNS MAY BE PORTABLE MOUNTED.
- ALL SIGN SPACING DIMENSIONS ARE APPROXIMATE, FIELD ADJUST AS NECESSARY OR AS DIRECTED.
- USE 3LB STEEL U-CHANNEL POST OR 4" X 4" WOOD POST FOR ALL WORK ZONE SIGNS. 3LB STEEL U-CHANNEL POSTS MUST MEET THE REQUIREMENTS OF STANDARD SPECIFICATION SECTION 1094-1(B), MAY BE GALVANIZED STEEL, OR MAY BE PAINTED GREEN BY THE POST MANUFACTURER. SQUARE STEEL TUBING POSTS HAVING EQUIVALENT STRENGTH OF THE 3 LB STEEL U-CHANNEL POST ARE ALSO ACCEPTABLE FOR USE. ERECT SIGNS PER ROADWAY STANDARD DRAWING 1110.01. PAYMENT FOR WOOD POSTS, 3LB STEEL U-CHANNEL AND SQUARE STEEL TUBING POSTS WITH SIGNS WILL BE MADE ACCORDING TO STANDARD SPECIFICATION "WORK ZONE SIGNS" SECTION 1110.
- WHEN NECESSARY, USE SPLICING IN ACCORDANCE WITH ROADWAY STANDARD DRAWING NO. 1110.01. REMOVE ENTIRE POST WHEN REMOVING SIGNS WITH SPLICED POSTS.
- DO NOT BACK BRACE SIGN SUPPORTS.



ADVANCED WORK ZONE WARNING SIGNS FOR FREEWAYS (4 LANES OR GREATER)

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