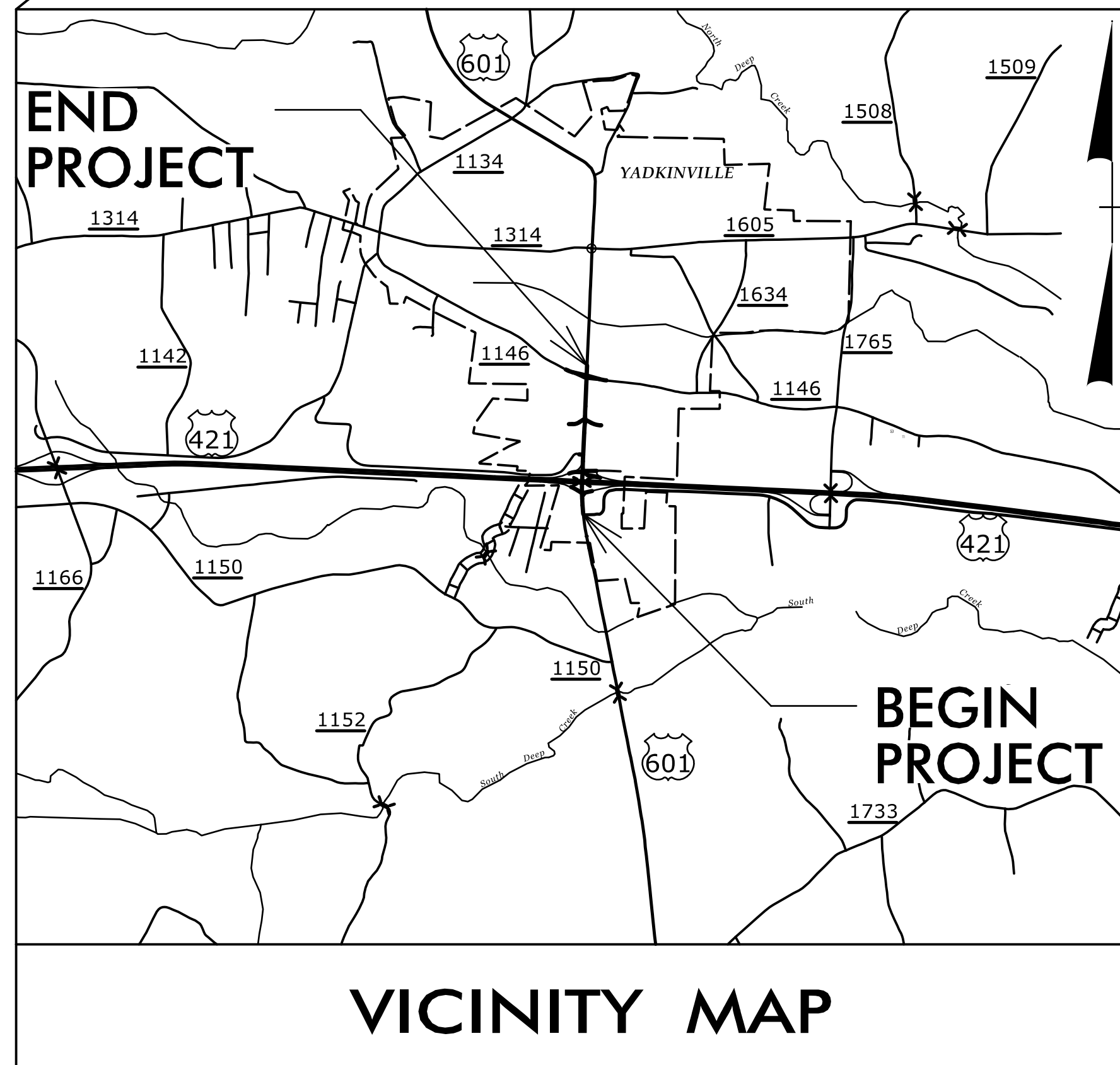
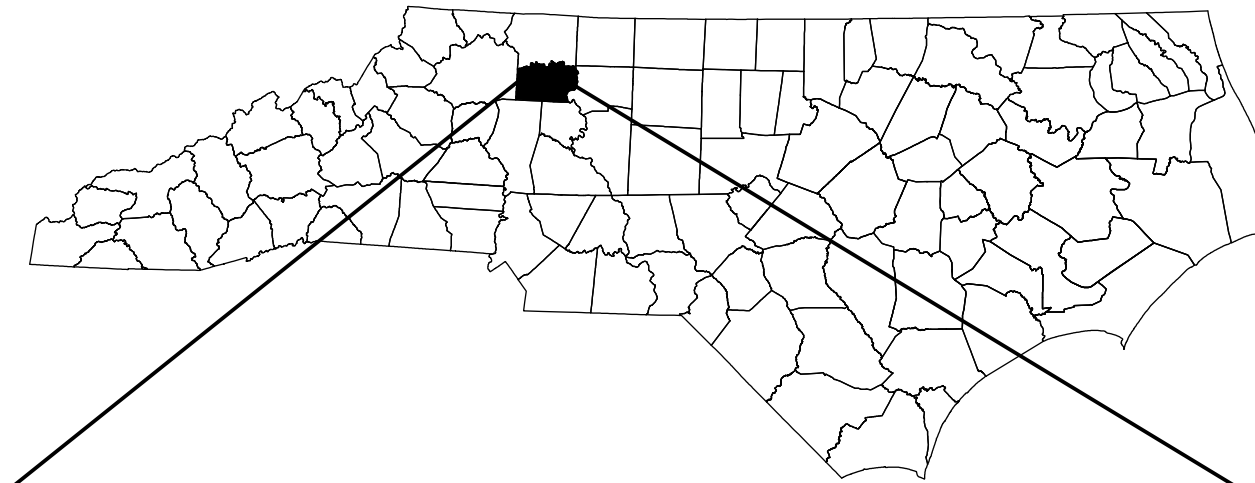


STATE OF NORTH CAROLINA
DIVISION OF HIGHWAYS

TRANSPORTATION MANAGEMENT PLAN

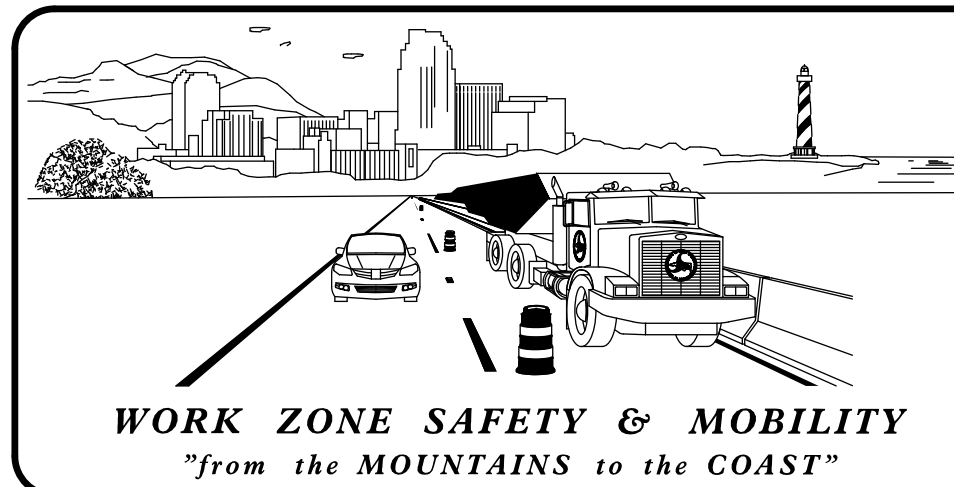
YADKIN COUNTY

LOCATION: US 601 FROM SR 1742 (SHARON DR) TO SR 1146 (LEE AVENUE)



VICINITY MAP

NCDOT CONTACT INFORMATION:
Phone: 336 903 9134 Fax: 336 667 4549
RAMIE SHAW
Division Project Manager



PLAN PREPARED FOR N.C.D.O.T. BY:

TGS ENGINEERS
201 W. MARION ST, STE 200
SHELBY, NC 28150
PH (704) 476-0003
CORP. LICENSE NO.: C-0275

DON PARKER, PE PROJECT ENGINEER
SANDRA MELVIN DESIGN ENGINEER



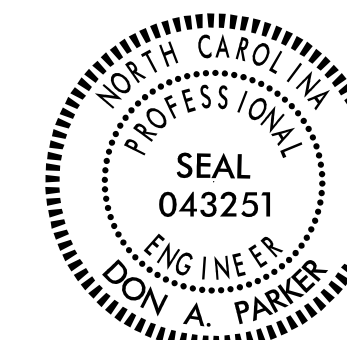
INDEX OF SHEETS

SHEET NO.	TITLE
TMP-1	TITLE SHEET, VICINITY MAP, AND INDEX OF SHEETS
TMP-1A	LIST OF APPLICABLE ROADWAY STANDARD DRAWINGS, LEGEND, AND TEMPORARY PAVEMENT MARKING SCHEDULE
TMP-1B	TRANSPORTATION OPERATIONS PLAN: (GENERAL NOTES)
TMP-2	DETOURS AT RAMP CLOSURES
TMP-2A	BEROTH DR (-Y1-) DETOUR
TMP-2B	PORTABLE CONCRETE BARRIER AT TEMPORARY SHORING LOCATIONS
TMP-2C	TEMPORARY SHORING DATA
TMP-3	TEMPORARY TRAFFIC CONTROL PHASING
TMP-4 THRU TMP-6	TEMPORARY TRAFFIC CONTROL PHASE I
TMP-7 THRU TMP-9	TEMPORARY TRAFFIC CONTROL PHASE II

SHEET NO.
TMP-1

PROJECT: U-5809

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



APPROVED: Don A. Parker
DATE: 3/27/2024

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 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
1115.01	FLASHING ARROW BOARDS
1130.01	DRUMS
1135.01	CONES
1145.01	BARRICADES
1150.01	FLAGGING DEVICES
1165.01	TRUCK MOUNTED ATTENUATOR
1170.01	PORTABLE CONCRETE BARRIER
1180.01	SKINNY - DRUMS
1205.01	PAVEMENT MARKINGS - LINE TYPES AND OFFSETS
1205.02	PAVEMENT MARKINGS - TWO LANE AND MULTILANE ROADWAYS
1205.03	PAVEMENT MARKINGS - EXITS AND ENTRANCE RAMP
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
1205.14	PAVEMENT MARKINGS - ROUNDABOUTS
1250.01	RAISED PAVEMENT MARKERS - INSTALLATION SPACING
1251.01	RAISED PAVEMENT MARKERS - (PERMANENT AND TEMPORARY)
1261.01	GUARDRAIL AND BARRIER DELINEATORS - INSTALLATION SPACING
1261.02	GUARDRAIL AND BARRIER DELINEATORS - TYPES AND MOUNTING
1262.01	GUARDRAIL END DELINEATION

LEGEND

GENERAL

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

SIGNALS

- EXISTING
- PROPOSED
- TEMPORARY

PAVEMENT MARKINGS

- EXISTING LINES
- TEMPORARY LINES

TRAFFIC CONTROL DEVICES

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

TEMPORARY SIGNING

- PORTABLE SIGN
- STATIONARY SIGN
- STATIONARY OR PORTABLE SIGN

PAVEMENT MARKERS

- CRYSTAL/CRYSTAL
- YELLOW/YELLOW

PAVEMENT MARKING SYMBOLS

- PAVEMENT MARKING SYMBOLS

TEMPORARY PAVEMENT MARKING SCHEDULE

SYMBOL	DESCRIPTION	SYMBOL	DESCRIPTION
PAVEMENT MARKINGS		PAINT MARKING SYMBOLS	
PAINT (4")		P70	LEFT TURN ARROW
P1	(4") WHITE EDGELINE	P71	RIGHT TURN ARROW
P2	(4") WHITE SOLID LANE LINE	P74	COMBO. STRAIGHT/RIGHT
P4	(4") 3 FT. - 9 FT./SP WHITE MINISKIP	P72	STRAIGHT ARROW
P5	(4") 2 FT. - 6 FT./SP WHITE MINISKIP	P79	MERGE ARROW
P10	(4") YELLOW EDGELINE		
P11	(4") YELLOW SINGLE CENTER		
P12	(4") 10 FT. YELLOW SKIP		
P13	(4") YELLOW DOUBLE CENTER		
PAINT (8")			
P42	(8") YELLOW DIAGONAL		
PAINT (24")			
P61	(24") WHITE STOPBAR		

APPROVED: DATE: 3/27/2024			ROADWAY STANDARD DRAWINGS, LEGEND, & TEMPORARY PAVEMENT MARKING SCHEDULE
DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED			

GENERAL NOTES

PROJ. REFERENCE NO.	SHEET NO.
U-5809	TMP-1B

TGS ENGINEERS
201 W. MARION ST, STE 200
SHELBY, NC 28150
PH (704) 476-0003
CORP. LICENSE NO.: C-0275

CHANGES MAY BE REQUIRED WHEN PHYSICAL DIMENSIONS IN THE DETAIL DRAWINGS, STANDARD DETAILS, AND ROADWAY DETAILS ARE NOT ATTAINABLE TO MEET FIELD CONDITIONS OR RESULT IN DUPLICATE OR UNDESIRE OVERLAPPING OF DEVICES. MODIFICATION MAY INCLUDE: MOVING, SUPPLEMENTING, COVERING, OR REMOVAL OF DEVICES AS DIRECTED BY THE ENGINEER.

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

TIME RESTRICTIONS

NOTE: THE LANE CLOSURE RESTRICTIONS FOR US 601 (-L-) DESCRIBED BELOW APPLY AT ALL TIMES WITH THE EXCEPTION OF THE LONG-TERM LANE REDUCTIONS REQUIRED BY AND DETAILED IN THE TRANSPORTATION MANAGEMENT PLAN. THEY DO APPLY TO ANY SHORT-TERM LANE CLOSURES INSTALLED DURING THE LONG-TERM TEMPORARY PATTERNS WITH LANE REDUCTIONS. THE AFFECTED PHASING STEPS INCLUDE: PHASE I, STEP 4 THRU PHASE III, STEP 1 (SEE TMP-4 THRU 9)

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

ROAD NAME	DAY AND TIME RESTRICTIONS
US 601 (-L-)	MONDAY THRU SUNDAY
US 421 AND RAMPS	6:00 AM TO 9:00 PM
PINE ST (-Y-)	MONDAY THRU FRIDAY
BEROTH ST (Y1-)	6:00 AM TO 9:00 AM AND
MAPLE ST (-Y2- & -Y3-)	4:00 PM TO 7:00 PM
LEE AVE (-Y4- & -Y5-)	

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

ROAD NAME	HOLIDAY
US 601 (-L-)	
US 421 AND RAMPS	
	1. FOR ANY UNEXPECTED OCCURRENCE THAT CREATES UNUSUALLY HIGH TRAFFIC VOLUMES, AS DIRECTED BY THE ENGINEER.
	2. FOR NEW YEAR'S, BETWEEN THE HOURS OF 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.

C) DO NOT CLOSE ROADS AS FOLLOWS:

ROAD NAME	DAY AND TIME RESTRICTIONS
US 601 RAMPS	MONDAY THRU SUNDAY
BEROTH DR (-Y1-)	5:00 AM TO 10:00 PM

LANE AND SHOULDER CLOSURE REQUIREMENTS

- D) 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.
- E) 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.
- F) 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.

- G) 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.
- H) 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.
- I) DO NOT INSTALL MORE THAN ONE LANE CLOSURE IN ANY ONE DIRECTION ON US 601.
- J) PROVIDE TRAFFIC CONTROL FOR APPROPRIATE LANE CLOSURES FOR SURVEYING DONE BY THE DEPARTMENT.

PAVEMENT EDGE DROP OFF REQUIREMENTS

- K) 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.
- L) 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) 100 FT IN ADVANCE AND A MINIMUM OF EVERY HALF MILE THROUGHOUT THE UNEVEN AREA.

TRAFFIC PATTERN ALTERATIONS

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

SIGNING

- N) 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.
- O) ENSURE ALL NECESSARY SIGNING IS IN PLACE PRIOR TO ALTERING ANY TRAFFIC PATTERN.
- P) INSTALL BLACK ON ORANGE "DIP" SIGNS (W8-2) AND/OR "BUMP" SIGNS (W8-1) 100 FT IN ADVANCE OF THE UNEVEN AREA, OR AS DIRECTED BY THE ENGINEER.

TRAFFIC CONTROL DEVICES

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

PAVEMENT MARKINGS AND MARKERS

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

ROAD NAME	MARKING	MARKER
US 601 (-L-)	PAINT	TEMPORARY RAISED
US 421 RAMPS	PAINT	NONE
PINE ST (-Y-)	PAINT	NONE
MAPLE ST (-Y2- & -Y3-)	PAINT	NONE
LEE AVENUE (-Y4- & -Y5-)	PAINT	NONE

- T) 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.
- U) TIE PROPOSED PAVEMENT MARKING LINES TO EXISTING PAVEMENT MARKING LINES.
- V) REMOVE/REPLACE ANY CONFLICTING/DAMAGED PAVEMENT MARKINGS AND MARKERS BY THE END OF EACH DAY'S OPERATION.
- W) TRACE THE PROPOSED MONOLITHIC ISLAND LOCATIONS WITH PROPER COLOR PAVEMENT MARKINGS PRIOR TO INSTALLATION. PLACE DRUMS TO DELINEATE ANY PROPOSED MONOLITHIC ISLANDS

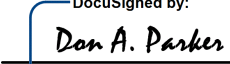
MISCELLANEOUS

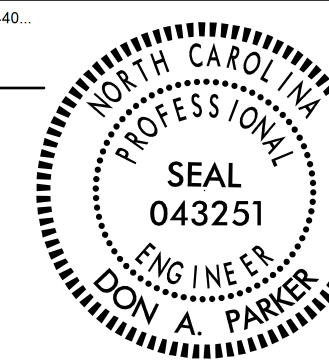
- X) LAW ENFORCEMENT MAY BE USED TO MAINTAIN TRAFFIC THROUGH THE WORK AREA AND/OR INTERSECTIONS AS DIRECTED BY THE ENGINEER.
- Y) ALL CURB RAMP LOCATIONS SHALL BE DERIVED FROM STATIONING SHOWN ON PAVEMENT MARKING PLANS OR AS DIRECTED BY THE ENGINEER IN COORDINATION WITH THE SIGNING AND DELINEATION UNIT.
- Z) CONTRACTOR SHALL MAINTAIN SIDEWALK ACCESS AT ALL TIMES AS STATED IN THE PHASING.

MANAGEMENT STRATEGIES

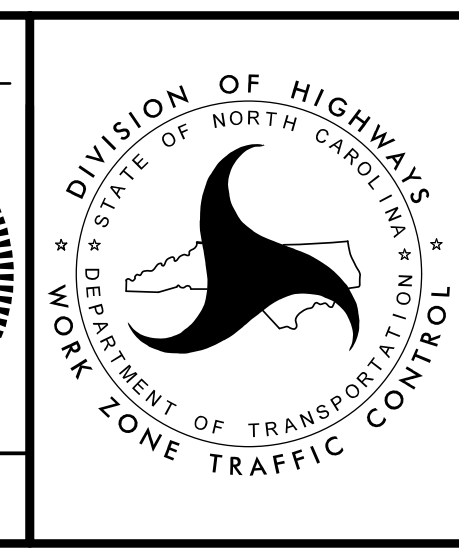
THE PROPOSED US 601 (-L-), US 421 ON AND OFF RAMPS, PINE ST (-Y-), MAPLE ST (-Y2- & -Y3-), AND LEE AVENUE (-Y4- & -Y5-), INCLUDING THE PROPOSED ROUNDABOUTS WILL BE CONSTRUCTED USING TEMPORARY LANE CLOSURES AND FLAGGERS AS NEEDED.

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APPROVED: 
DATE: 3/27/2024



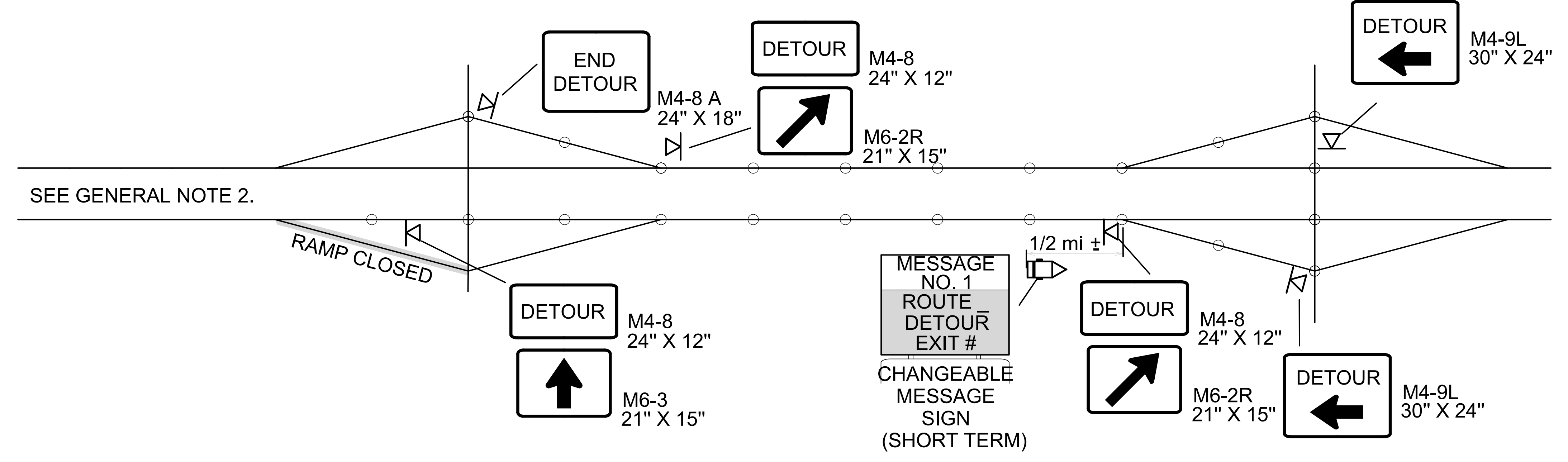
DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED



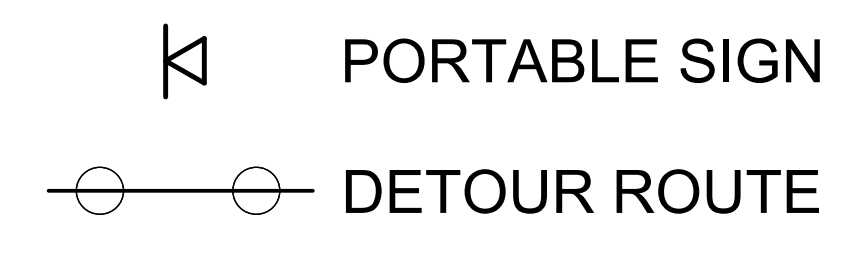
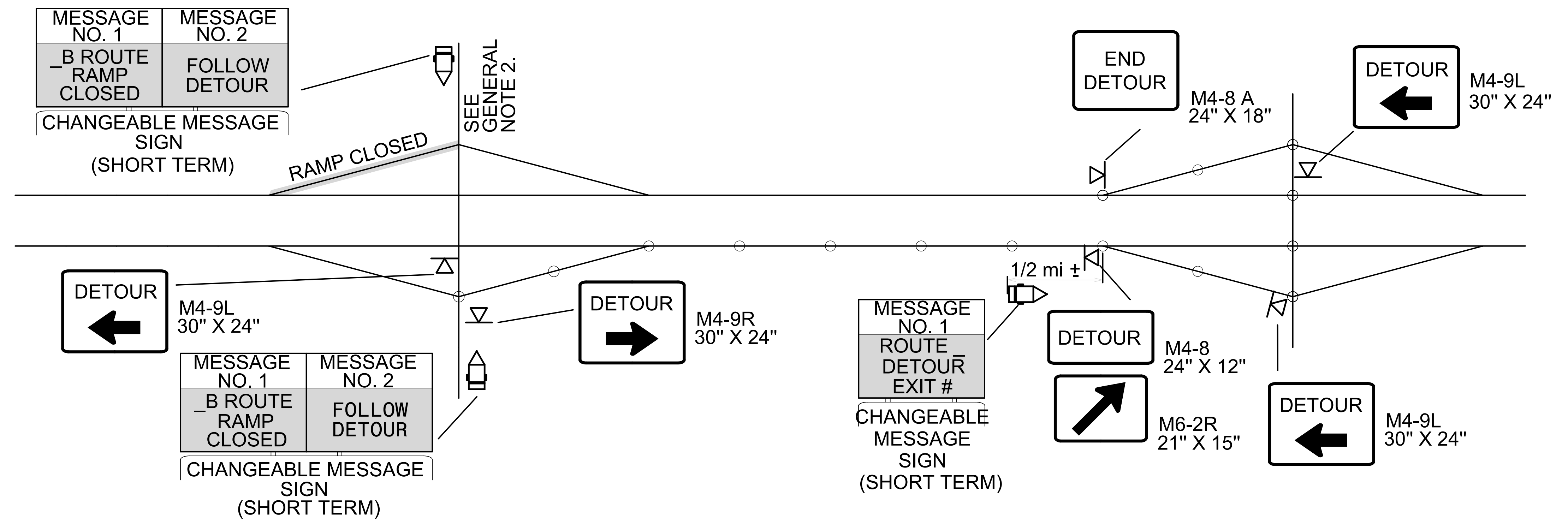
TRANSPORTATION OPERATIONS PLAN

DETOURS FOR RAMP CLOSURES

DETOUR OFF-RAMP TO ADJACENT INTERCHANGE

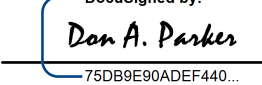


DETOUR ON-RAMP TO ADJACENT INTERCHANGE



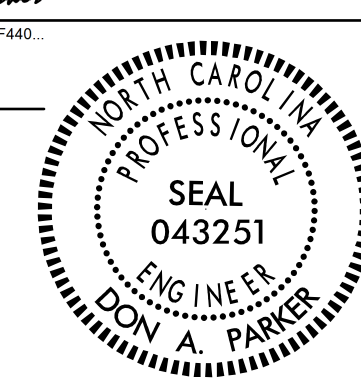
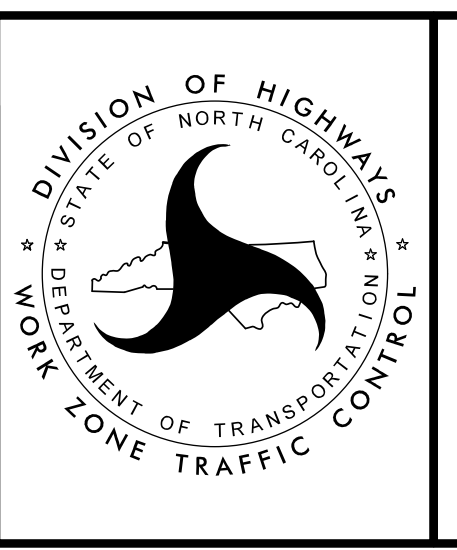
GENERAL NOTES

1. THIS DRAWING IS INTENDED FOR USE DURING SHORT TERM (72 HOURS OR LESS) CLOSURES OF RAMPS.
2. THIS SHEET SHALL BE USED IN CONJUNCTION WITH RSD 1101.02, SHEETS 12 OR 13, FOR TRAFFIC CONTROL DEVICES REQUIRED TO CLOSE RAMPS.
3. RAMP CLOSURES SHALL BE APPROVED BY THE ENGINEER.
4. IF RAMP CLOSURE RESTRICTIONS APPLY, SEE "INTERMEDIATE CONTRACT TIMES AND LIQUIDATED DAMAGES".

APPROVED: 

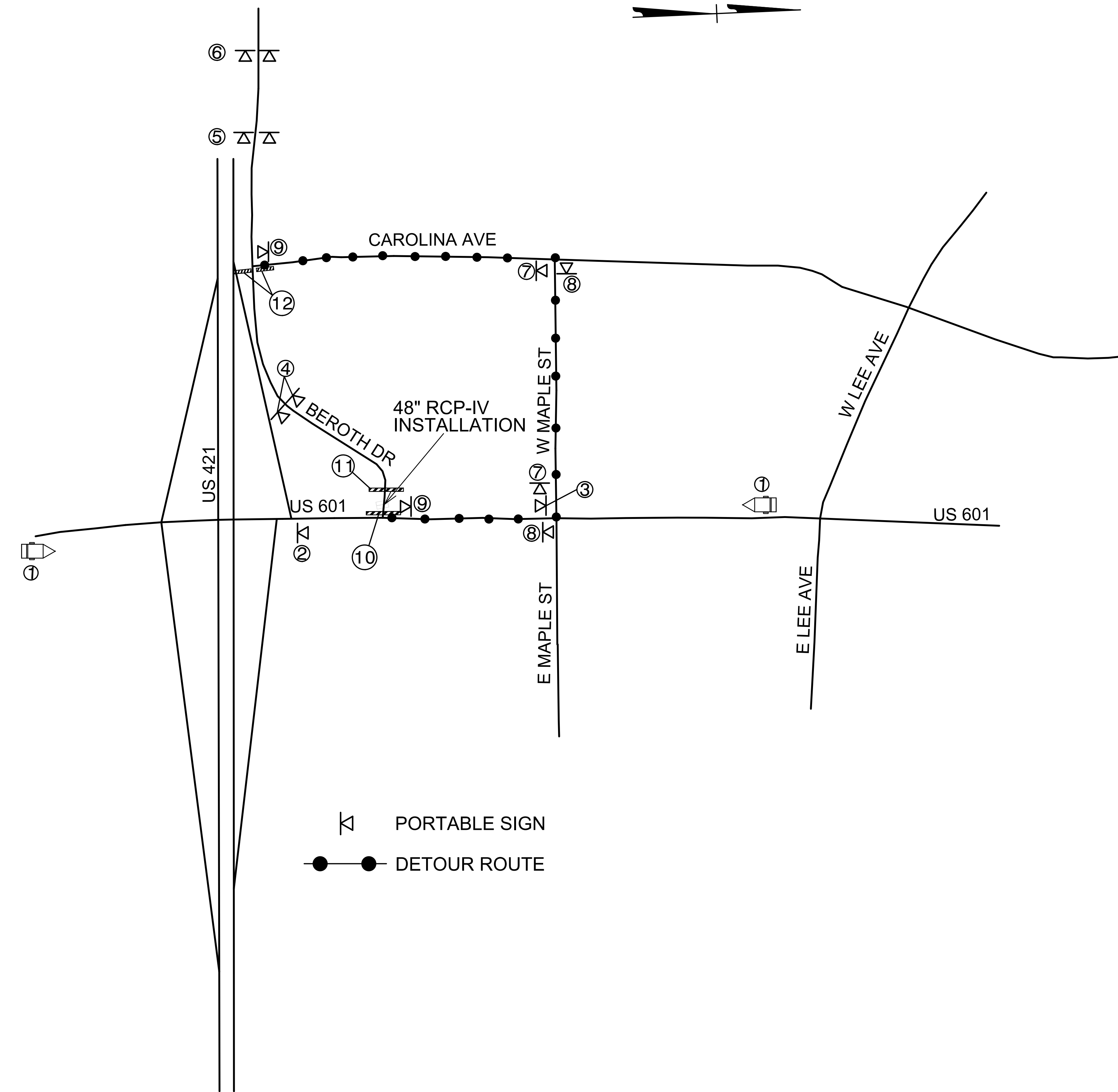
DATE: 3/27/2024

SEAL

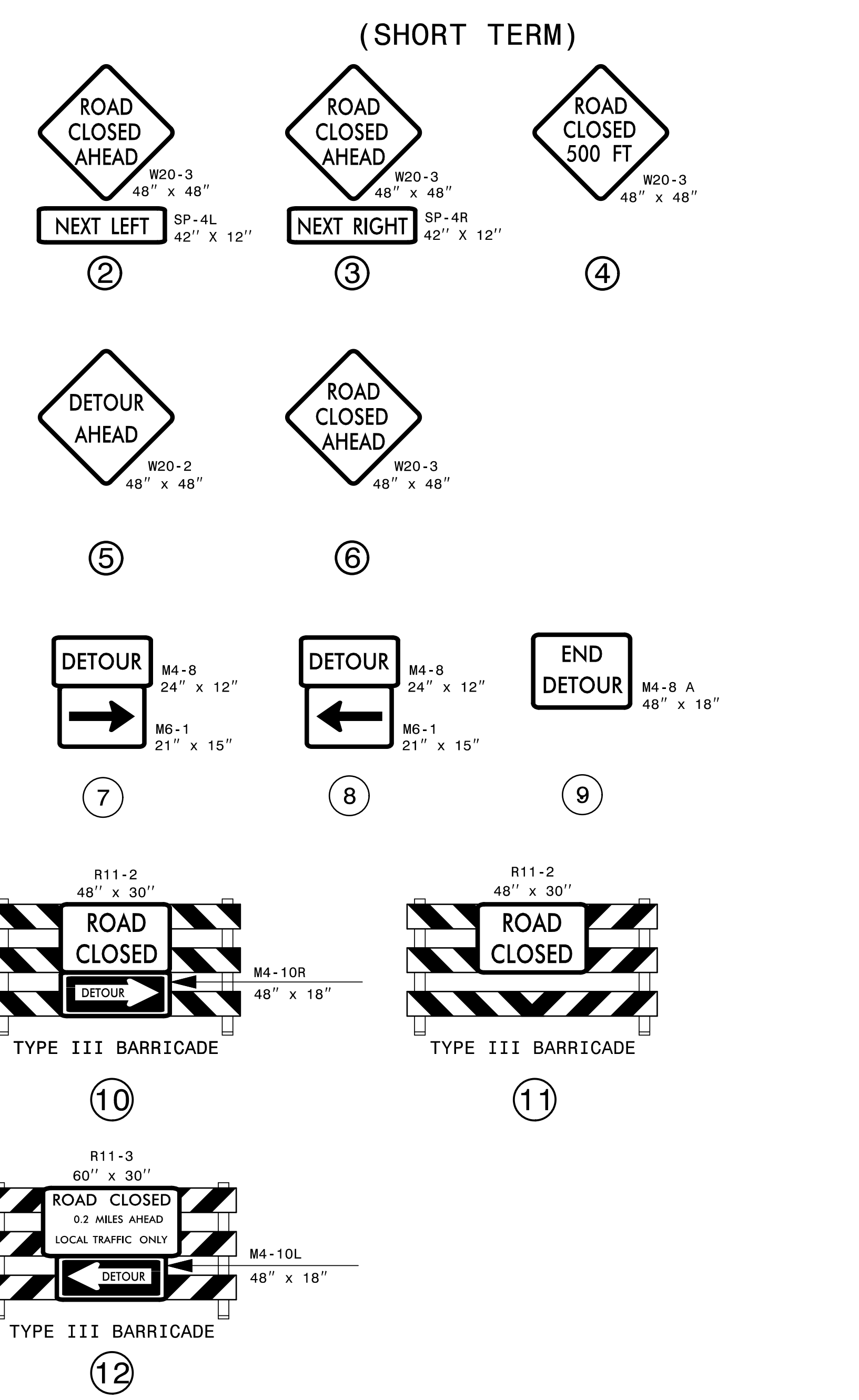
DETOURS AT RAMP CLOSURES

3/26/2024 11:58:09 AM TrafficControl\TCP\U-5809_TC_TMP_02(Typical Off-Ramp Detour).dgn User: jsmelvin



PORTABLE SIGN
 DETOUR ROUTE

①	MESSAGE NO. 1 BEROTH DRIVE CLOSED	MESSAGE NO. 2 (DAY) (TIME)	MESSAGE NO. 1 BEROTH DRIVE CLOSED	MESSAGE NO. 2 FOLLOW DETOUR
	CHANGEABLE MESSAGE SIGN		CHANGEABLE MESSAGE SIGN	



3/26/2024
 C:\Users\jmselvin\Documents\TrafficControl\TCP\U-5809_TC_TMP_02A\BerOTH Dr Detour.dgn
 User: jmselvin

APPROVED: DATE: 3/27/2024 SEAL 	<p>DIVISION OF HIGHWAYS DEPARTMENT OF TRANSPORTATION TRUCK ZONE TRAFFIC CONTROL</p>	DETOUR AT BEROTH DR (-Y1-) CLOSURES
DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED		

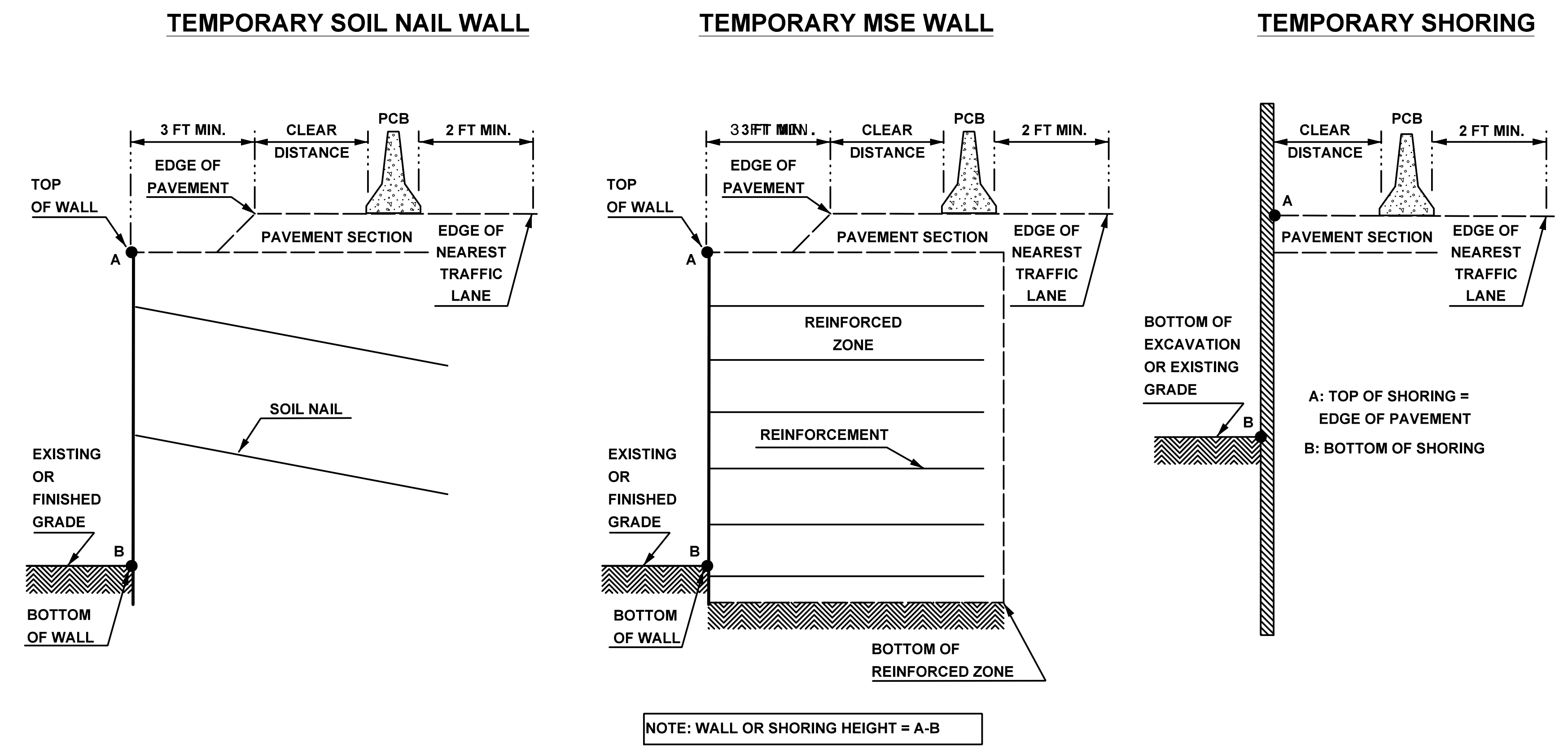


FIGURE A

NOTES

- 1- REFER TO THE TRAFFIC CONTROL PLANS FOR TEMPORARY SHORING LOCATIONS AND NOTES.
- 2- REFER TO THE "TEMPORARY SHORING" STANDARD PROVISION FOR INFORMATION ABOUT TEMPORARY SHORING AND PORTABLE CONCRETE BARRIER (PCB).
- 3- PCB IS REQUIRED IF TEMPORARY SHORING/WALL IS LOCATED WITHIN THE CLEAR ZONE IN ACCORDANCE WITH THE AASHTO ROADSIDE DESIGN GUIDE. DO NOT PLACE BARRIER DIRECTLY ON ANY SURFACE OTHER THAN ASPHALT OR CONCRETE. (CONTACT NCDOT PAVEMENT MANAGEMENT FOR APPLICABLE PAVEMENT DESIGN).
- 4- BASED ON THE CLEAR DISTANCE, OFFSET, DESIGN SPEED AND PAVEMENT TYPE, CHOOSE AN UNANCHORED OR ANCHORED PCB FROM THE TABLE SHOWN IN FIGURE B. CLEAR DISTANCE IS DEFINED AS SHOWN IN FIGURE A AND OFFSET IS DEFINED AS SHOWN IN FIGURE B.
- 5- AT THE CONTRACTOR'S OPTION OR IF THE MINIMUM REQUIRED CLEAR DISTANCE IS NOT AVAILABLE, SET PCB NEXT TO AND UP AGAINST THE TRAFFIC SIDE OF THE TEMPORARY SHORING/WALLS EXCEPT FOR BARRIER ABOVE TEMPORARY WALLS. PCB WITH THE MINIMUM REQUIRED CLEAR DISTANCE IS REQUIRED ABOVE TEMPORARY WALLS.
- 6- USE NCDOT PORTABLE CONCRETE BARRIER (PCB) IN ACCORDANCE WITH ROADWAY STANDARD DRAWING NO. 1170.01 AND SECTION 1170 OF THE STANDARD SPECIFICATIONS.
- 7- SET PCB WITH A MINIMUM HORIZONTAL DISTANCE OF 2 FT BETWEEN THE FRONT FACE OF THE BARRIER AND THE EDGE OF THE NEAREST TRAFFIC LANE AS SHOWN IN FIGURE A UNLESS OTHERWISE SHOWN IN THE PLANS OR APPROVED BY THE ENGINEER.
- 8- FOR PCB ABOVE AND BEHIND TEMPORARY WALLS, PROVIDE A MINIMUM DISTANCE OF 3 FT BETWEEN THE EDGE OF PAVEMENT AND THE WALL FACE AS SHOWN IN FIGURE A. IF THIS MINIMUM REQUIRED DISTANCE IS NOT AVAILABLE, CONTACT THE ENGINEER.
- 9- TABLE SHOWN IN FIGURE B IS BASED ON NCDOT RESEARCH PROJECT NO. 2005-010 WITH VEHICLE TYPE USED FOR NCHRP 350 CRASH TESTS.

MINIMUM REQUIRED CLEAR DISTANCE, inches

Barrier Type	Pavement Type	Offset * ft	Design Speed, mph					
			<30	31-40	41-50	51-60	61-70	71-80
Unanchored PCB	Asphalt	<8	24	26	29	32	36	40
		8-14	26	28	31	35	38	42
		14-20	27	29	34	36	39	43
		20-26	28	31	35	38	40	44
		26-32	29	32	36	39	42	45
		32-38	30	34	38	41	43	46
		38-44	31	34	41	43	45	48
	44-50	31	35	41	43	46	49	
	50-56	32	36	42	44	47	50	
	>56	32	36	42	45	47	51	
	Concrete	<8	17	18	21	22	25	26
		8-14	19	20	23	25	26	29
		14-20	22	22	24	26	28	31
		20-26	23	24	26	27	30	34
26-32		24	25	27	28	32	35	
32-38		24	26	27	30	33	36	
38-44		25	26	28	30	34	37	
44-50	26	26	28	32	35	37		
50-56	26	26	28	32	35	38		
>56	26	27	29	32	36	38		
Anchored PCB	Asphalt	All Offsets	24 for All Design Speeds					
Anchored PCB	Concrete (including bridge approach slabs)	All Offsets	12 for All Design Speeds					

* See Figure Below

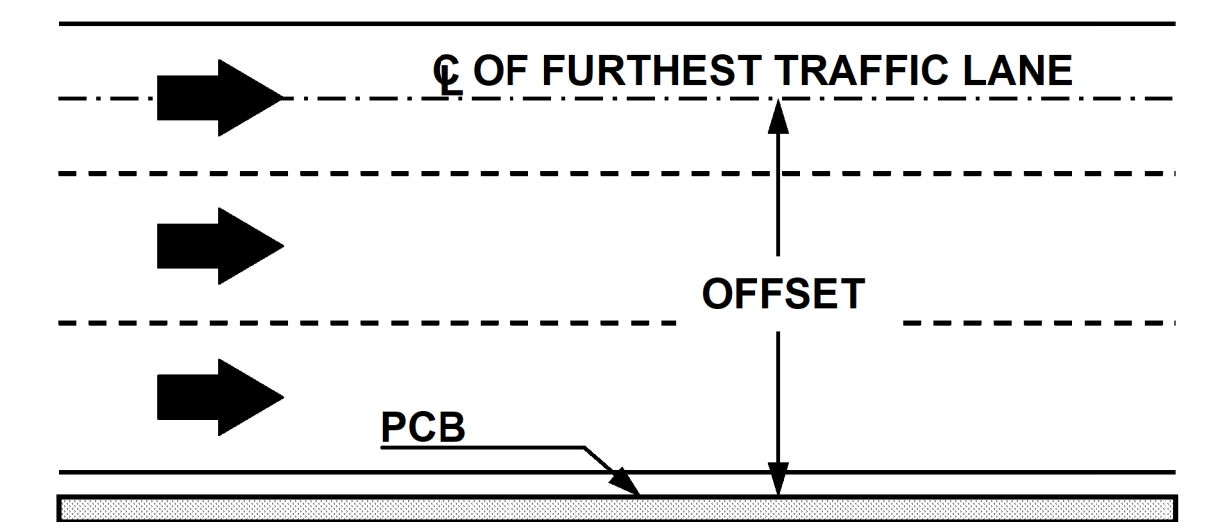


FIGURE B

3/26/2024 3:14:58 PM U:\5809\TrafficControl\TCP\U-5809_TC_TMP_02B\barrierSTD.dgn User:smelin

APPROVED: <i>Don A. Parker</i> DATE: 3/27/2024 SEAL			PORTABLE CONCRETE BARRIER AT TEMPORARY SHORING LOCATIONS
DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED			

TEMPORARY SHORING DATA

PROJ. REFERENCE NO.	SHEET NO.
U-5809	TMP-2C

Shoring Location No. 1 (CUT SHORING):

FOR TEMPORARY SHORING AND POSITIVE PROTECTION FOR TEMPORARY SHORING, SEE PLANS AND TEMPORARY SHORING PROVISION.

TEMPORARY SHORING IS REQUIRED FOR 48-INCH PIPE CONSTRUCTION BETWEEN EXISTING US 421 AND RPB, FROM -RPB- STATION 9+25, 57 FT RT TO -RPB- STATION 10+40, 57 FT RT.

BEFORE BEGINNING TEMPORARY SHORING DESIGN OR CONSTRUCTION, SURVEY EXISTING GROUND ELEVATIONS IN THE VICINITY OF SHORING LOCATIONS TO DETERMINE ACTUAL SHORING HEIGHTS.

DESIGN TEMPORARY SHORING FROM -RPB- STATION 9+25 TO -RPB- STATION 10+15, FOR THE FOLLOWING ASSUMED SOIL PARAMETERS AND GROUNDWATER ELEVATION:

ABOVE ELEVATION 893 FT
UNIT WEIGHT (γ) = 120 LB/CF
FRICTION ANGLE (ϕ) = 30 DEGREES
COHESION (c) = 0 LB/SF

ELEVATION 893 TO ELEVATION 882 FT
UNIT WEIGHT (γ) = 110 LB/CF
FRICTION ANGLE (ϕ) = 24 DEGREES
COHESION (c) = 0 LB/SF
GROUNDWATER ELEVATION = 884FT

ELEVATION 882 TO ELEVATION 873 FT
UNIT WEIGHT (γ) = 115 LB/CF
FRICTION ANGLE (ϕ) = 26 DEGREES
COHESION (c) = 0 LB/SF

BELOW ELEVATION 873 FT
UNIT WEIGHT (γ) = 120 LB/CF
FRICTION ANGLE (ϕ) = 30 DEGREES
COHESION (c) = 0 LB/SF

DESIGN TEMPORARY SHORING FROM -RPB- STATION 10+15 TO -RPB- STATION 10+40, FOR THE FOLLOWING ASSUMED SOIL PARAMETERS AND GROUNDWATER ELEVATION:

ABOVE ELEVATION 886 FT
UNIT WEIGHT (γ) = 115 LB/CF
FRICTION ANGLE (ϕ) = 26 DEGREES
COHESION (c) = 0 LB/SF

BELOW ELEVATION 886 FT
UNIT WEIGHT (γ) = 120 LB/CF
FRICTION ANGLE (ϕ) = 30 DEGREES
COHESION (c) = 0 LB/SF
GROUNDWATER ELEVATION = 884 FT

DRIVEN PILING FOR TEMPORARY SHORING FROM -RPB- STATION 9+25, 31 FT RT TO -RPB- STATION 10+40, 57 FT RT MAY NOT PENETRATE BELOW ELEVATION 865 FT DUE TO OBSTRUCTIONS, VERY DENSE OR HARD SOIL, BOULDERS OR WEATHERED OR HARD ROCK.

Shoring Location No. 2 (CUT SHORING):

FOR TEMPORARY SHORING AND POSITIVE PROTECTION FOR TEMPORARY SHORING, SEE PLANS AND TEMPORARY SHORING PROVISION.

TEMPORARY SHORING IS REQUIRED FOR 48-INCH PIPE CONSTRUCTION BETWEEN EXISTING US 421 AND RPB, FROM -RPB- STATION 9+25, 55 FT RT TO -RPB- STATION 10+40, 81 FT RT.

BEFORE BEGINNING TEMPORARY SHORING DESIGN OR CONSTRUCTION, SURVEY EXISTING GROUND ELEVATIONS IN THE VICINITY OF SHORING LOCATIONS TO DETERMINE ACTUAL SHORING HEIGHTS.

DESIGN TEMPORARY SHORING FROM -RPB- STATION 9+25 TO -RPB- STATION 10+15, FOR THE FOLLOWING ASSUMED SOIL PARAMETERS AND GROUNDWATER ELEVATION:

ABOVE ELEVATION 893 FT
UNIT WEIGHT (γ) = 120 LB/CF
FRICTION ANGLE (ϕ) = 30 DEGREES
COHESION (c) = 0 LB/SF

ELEVATION 893 TO ELEVATION 882 FT
UNIT WEIGHT (γ) = 110 LB/CF
FRICTION ANGLE (ϕ) = 24 DEGREES
COHESION (c) = 0 LB/SF
GROUNDWATER ELEVATION = 884FT

ELEVATION 882 TO ELEVATION 873 FT
UNIT WEIGHT (γ) = 115 LB/CF
FRICTION ANGLE (ϕ) = 26 DEGREES
COHESION (c) = 0 LB/SF

BELOW ELEVATION 873 FT
UNIT WEIGHT (γ) = 120 LB/CF
FRICTION ANGLE (ϕ) = 30 DEGREES
COHESION (c) = 0 LB/SF

DESIGN TEMPORARY SHORING FROM -RPB- STATION 10+15 TO -RPB- STATION 10+40, FOR THE FOLLOWING ASSUMED SOIL PARAMETERS AND GROUNDWATER ELEVATION:

ABOVE ELEVATION 886 FT
UNIT WEIGHT (γ) = 115 LB/CF
FRICTION ANGLE (ϕ) = 26 DEGREES
COHESION (c) = 0 LB/SF

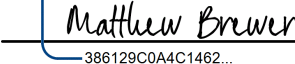
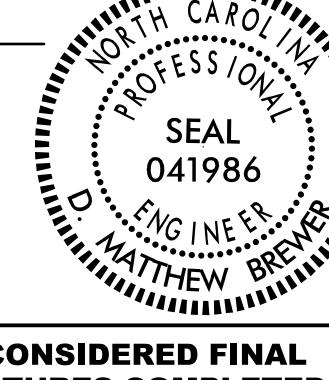
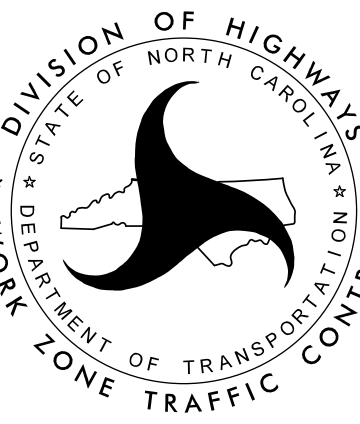
BELOW ELEVATION 886 FT
UNIT WEIGHT (γ) = 120 LB/CF
FRICTION ANGLE (ϕ) = 30 DEGREES
COHESION (c) = 0 LB/SF
GROUNDWATER ELEVATION = 884 FT

DRIVEN PILING FOR TEMPORARY SHORING FROM -RPB- STATION 9+25, 55 FT RT TO -RPB- STATION 10+40, 81 FT RT MAY NOT PENETRATE BELOW ELEVATION 867 FT DUE TO OBSTRUCTIONS, VERY DENSE OR HARD SOIL, BOULDERS OR WEATHERED OR HARD ROCK.

DO NOT USE STANDARD TEMPORARY SHORING FOR TEMPORARY SHORING FROM -RPB- STATION 9+25, 55 FT RT TO -RPB- STATION 10+40, 81 FT RT. CONTRACTOR DESIGNED SHORING IS REQUIRED. SEE TEMPORARY SHORING SPECIAL PROVISION.

DO NOT USE A TEMPORARY SOIL NAIL WALL FOR TEMPORARY SHORING FROM -RPB- STATION 9+25, 55 FT RT TO -RPB- STATION 10+40, 81 FT RT.

2/21/2024
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User:smelvin

<p>APPROVED:  DATE: 3/27/2024</p> <p></p>	<p></p>	<p style="text-align: center;">TEMPORARY SHORING DATA</p>
<p>DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED</p>		

PHASING

PROJ. REFERENCE NO.	SHEET NO.
U-5809	TMP-3

TGS ENGINEERS
804-C. N. LAFAYETTE ST
SHELBY, NC 28150
PH (704) 476-0003
CORP. LICENSE NO.: C-0275

PHASE I

STEP 1

INSTALL WORK ZONE ADVANCE WARNING SIGNS IN ACCORDANCE WITH RSD 1101.01.

STEP 2

USING LANE CLOSURES AND LAW ENFORCEMENT, INSTALL TEMPORARY SIGNAL AT US 601/RAMP C AND D, US 601/RAMP A AND B, AND US 601/LEE ST. COVER SIGNAL HEADS. (SEE RSD 1101.02, SHEET 1-3 AND SIGNAL PLANS).

USING LANE CLOSURES, INSTALL GUARDRAIL ALONG US 421 WB, PORTABLE CONCRETE BARRIER ALONG RAMP B, AND TEMPORARY SHORING FOR DRAINAGE INSTALLATION.

PRIOR TO SHIFTING TRAFFIC INTO PHASE I TEMPORARY TRAFFIC PATTERN AND USING LANE CLOSURES AND RAMP CLOSURES, BEGIN ROADWAY DRAINAGE AND UTILITY CONSTRUCTION INCLUDING DRAINAGE STRUCTURES 401-404, 408-430, 447-455, 466-467, 471-472, 510,555, 564-566, 571, 604-605, and 618. (SEE RSD 1101.02, 1-3, AND TMP-2).

FOR DRAINAGE STRUCTURES 404, 410-412, 418, 422-427, 430, 510,555, 566,571,604-605, AND 618, USE PRECAST STRUCTURES INSTALLED TO A TEMPORARY ELEVATION. COVER WITH STEEL PLATE, BACKFILL, AND PAVE. FIELD VERIFY ELEVATIONS PRIOR TO MANUFACTURE.

STEP 3

USING LANE CLOSURES AND LAW ENFORCEMENT, REMOVE CONFLICTING PAVEMENT MARKINGS AND INSTALL TEMPORARY PHASE I MARKINGS, UNCOVER SIGNAL HEADS AND SHIFT TRAFFIC TO THE PHASE I PATTERN. (SEE RSD 1101.02, SHEET 1-3 AND TMP-4 THRU 6.)

STEP 4

AWAY FROM TRAFFIC AND USING LANE, RAMP, AND ROAD CLOSURES AS NEEDED, INSTALL REMAINING LEFT SIDE DRAINAGE, CURB AND GUTTER, PAVING TO THE EDGE AND ELEVATION OF EXISTING PAVEMENT, SIDEWALK, AND BERM AS SHOWN ON TMP-4 THRU 6 FROM -L- STA. 10+23 +/- TO -L- STA. 38+96 +/- (SEE RSD 1101.02, SHEET 1-3, TMP-2 & TMP-2A).

PAVE AND WEDGE AS DIRECTED BY THE ENGINEER TO MAINTAIN DRAINAGE AND MITIGATE PAVING EDGE DROP OFFS.

DURING LEFT SIDE SIDEWALK CONSTRUCTION, USE ADA COMPLIANT PEDESTRIAN BARRICADES TO KEEP PROPOSED SIDEWALK CLOSED UNTIL CONNECTIVITY IS ACHIEVED (SEE SPECIAL PROVISION).

USING LANE CLOSURES, FLAGGERS, AND LAW ENFORCEMENT, INSTALL AND COVER TEMPORARY PHASE II SIGNAL HEADS (SEE RSD 1101.02, SHEET 1-3 AND SIGNAL PLANS).

STEP 5

PRIOR TO SEVERING THE EXISTING LEFT SIDEWALK BETWEEN FOOD LION AND LEE ST., IMPLEMENT A PEDESTRIAN TRANSPORT SERVICE TO MAINTAIN THIS ACCESS (SEE SPECIAL PROVISION). ESTABLISH PICK UP/DROP OFF LOCATIONS AS DIRECTED BY THE ENGINEER.

STEP 6

AWAY FROM TRAFFIC AND USING LANE CLOSURES AS NEEDED, INSTALL REMAINING LEFT SIDE DRAINAGE, CURB AND GUTTER, PAVING TO THE EDGE AND ELEVATION OF EXISTING PAVEMENT, SIDEWALK, AND BERM AS SHOWN ON TMP-6 -L- STA. 38+96 +/- TO -L- STA. 44+45 +/- . (SEE RSD 1101.02, SHEET 1-3).

PAVE AND WEDGE AS DIRECTED BY THE ENGINEER TO MAINTAIN DRAINAGE AND MITIGATE PAVING EDGE DROP OFFS.

RE-ESTABLISH SIDEWALK CONNECTIVITY BETWEEN FOOD LION AND LEE ST. AND DISCONTINUE PEDESTRIAN TRANSPORT SERVICE.

PHASE II

STEP 1

USING LANE CLOSURES AND LAW ENFORCEMENT, REMOVE CONFLICTING PAVEMENT MARKINGS AND INSTALL TEMPORARY PHASE II MARKINGS, UNCOVER SIGNAL HEADS AND SHIFT TRAFFIC TO THE PHASE II PATTERN. (SEE RSD 1101.02, SHEET 1-3 AND TMP-7 THRU 9.)

STEP 2

USE ADA COMPLIANT PEDESTRIAN BARRICADES TO CLOSE EXISTING RIGHT SIDEWALK SOUTH OF MAPLE ST. (SEE SPECIAL PROVISION AND TMP-7-9).

AWAY FROM TRAFFIC AND USING LANE AND RAMP CLOSURES AS NEEDED, INSTALL RIGHT SIDE DRAINAGE, CURB AND GUTTER, PAVING TO THE EDGE AND ELEVATION OF EXISTING PAVEMENT, SIDEWALK, AND BERM AS SHOWN ON TMP-7 AND 8 FROM -L- STA. 10+14 +/- TO -L- STA. 31+70 +/- (SEE RSD 1101.02, SHEET 1-3, TMP-2).

PAVE AND WEDGE AS DIRECTED BY THE ENGINEER TO MAINTAIN DRAINAGE AND MITIGATE PAVING EDGE DROP OFFS.

DURING RIGHT SIDE SIDEWALK CONSTRUCTION, USE ADA COMPLIANT PEDESTRIAN BARRICADES TO KEEP PROPOSED SIDEWALK CLOSED UNTIL CONNECTIVITY IS ACHIEVED (SEE SPECIAL PROVISION).

STEP 3

PRIOR TO SEVERING THE EXISTING RIGHT SIDEWALK BETWEEN MAPLE AND LEE ST., IMPLEMENT A PEDESTRIAN TRANSPORT SERVICE TO MAINTAIN THIS ACCESS (SEE SPECIAL PROVISION. ESTABLISH PICK UP/DROP OFF LOCATIONS AS DIRECTED BY THE ENGINEER.

STEP 4

AWAY FROM TRAFFIC AND USING LANE CLOSURES AS NEEDED INSTALL REMAINING RIGHT SIDE DRAINAGE, CURB AND GUTTER, PAVING TO THE EDGE AND ELEVATION OF EXISTING PAVEMENT, SIDEWALK, AND BERM AS SHOWN ON TMP 8 AND 9 FROM -L- STA. 31+92 +/- TO STA. 44+64 +/- (SEE RSD 1101.02, SHEET 1-3)

PAVE AND WEDGE AS DIRECTED BY THE ENGINEER TO MAINTAIN DRAINAGE AND MITIGATE PAVING EDGE DROP OFFS.

PHASE III

STEP 1

UNLESS DIRECTED OTHERWISE BY THE ENGINEER, WORK NORTH TO SOUTH ALONG US 601 TO INSTALL THE PHASE III TRAFFIC PATTERN

A.
USING FLAGGERS, INSTALL TEMPORARY PAINT PAVEMENT MARKINGS IN THE FINAL PATTERN AND OPEN THE US 601/LEE ST. INTERSECTION TO THE RAB PATTERN WITH PROPOSED APRON AND SPLITTER ISLANDS DRUMMED OFF. (SEE SHEETS 1101.02, SHEET 1 AND 18, AND FINAL PAVEMENT MARKING PLAN.)

SEE RSD 1101.11, SHEET 1 FOR SHIFTING TAPERS TO TIE TEMPORARY MARKINGS BACK TO US 601 PHASE II PATTERN

REMOVE EXISTING SIGNAL.

B.
USING FLAGGERS, INSTALL TEMPORARY PAINT PAVEMENT MARKINGS IN THE FINAL PATTERN AND OPEN THE US 601/MAPLE ST. INTERSECTION TO THE RAB PATTERN WITH PROPOSED APRON AND SPLITTER ISLANDS DRUMMED OFF. (SEE SHEETS 1101.02, SHEET 1, 18, AND 19, AND FINAL PAVEMENT MARKING PLAN.)

SEE RSD 1101.11, SHEET 1 FOR SHIFTING TAPERS TO TIE TEMPORARY MARKINGS BACK TO US 601 PHASE II PATTERN

C.
USING FLAGGERS, INSTALL TEMPORARY PAINT PAVEMENT MARKINGS IN THE FINAL PATTERN AND OPEN THE US 601/RAMP A AND B/PINE ST INTERSECTION TO THE RAB PATTERN WITH PROPOSED APRON AND SPLITTER ISLANDS DRUMMED OFF. (SEE SHEETS 1101.02, SHEET 1, 18, AND 19, AND FINAL PAVEMENT MARKING PLAN.)

SEE RSD 1101.11, SHEET 1 FOR SHIFTING TAPERS TO TIE TEMPORARY MARKINGS BACK TO US 601 PHASE II PATTERN

REMOVE EXISTING SIGNAL.

D.
USING FLAGGERS, INSTALL TEMPORARY PAINT PAVEMENT MARKINGS IN THE FINAL PATTERN AND OPEN THE US 601/RAMP C AND D INTERSECTION TO THE RAB PATTERN WITH PROPOSED APRON AND SPLITTER ISLANDS DRUMMED OFF. (SEE SHEETS 1101.02, SHEET 1, 18, AND 19, AND FINAL PAVEMENT MARKING PLAN.)

REMOVE EXISTING SIGNAL.

STEP 2

USING LANE CLOSURES, INSTALL REMAINING CURB AND GUTTER, CONCRETE APRONS AND SPLITTER ISLANDS (SEE SHEETS 1101.02, SHEET 1, 18, AND 19).

COMPLETE AND MAKE OPERATIONAL DRAINAGE STRUCTURES 404, 410-412, 422-427, 510,555, 566,571,604-605, AND 618.

COMPLETE REMAINING SIDEWALK AND FULLY OPEN TO PEDESTRIANS. DISCONTINUE PEDESTRIAN TRANSPORT SERVICE.


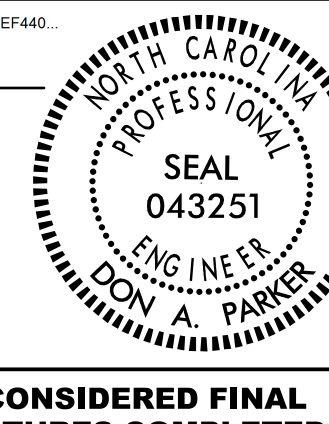
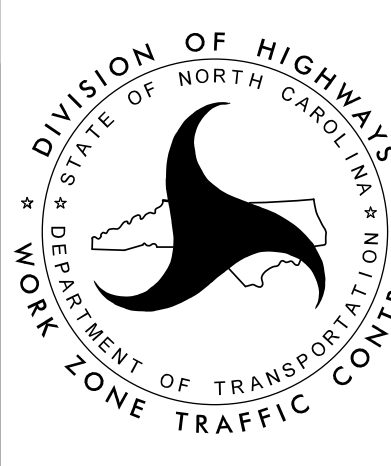
STEP 3

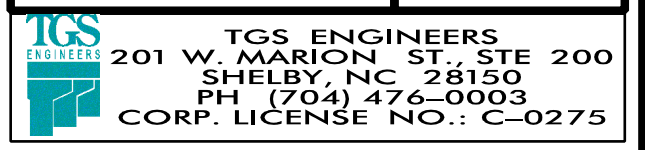
USING LANE CLOSURES, PAVE FINAL LAYER OF SURFACE COURSE AND INSTALL FINAL PAVEMENT MARKINGS (SEE RSD 1101.02, SHEET 1, 18, AND 19 AND FINAL PAVEMENT MARKING PLAN.)

STEP 4

REMOVE ALL TRAFFIC CONTROL DEVICES

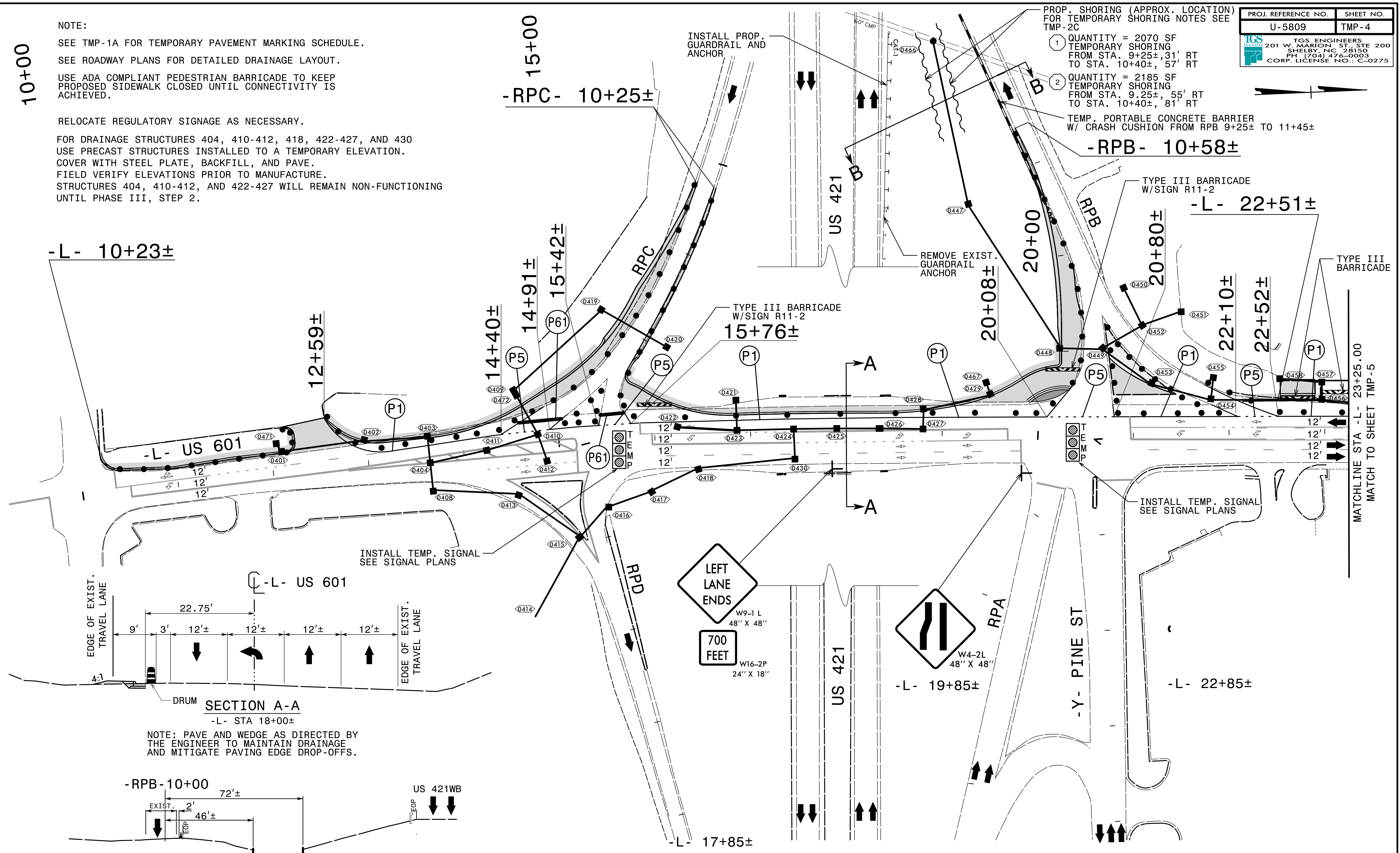
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<p>APPROVED:  Don A. Parker 7508090ADEP440</p> <p>DATE: 3/27/2024</p> 		<h2 style="text-align: center;">TEMPORARY TRAFFIC CONTROL PHASING</h2>
<p>DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED</p>		

PROJ. REFERENCE NO.	SHEET NO.
U-5809	TMP-4
 TGS ENGINEERS 201 W. MARION ST. STE 200 SHELBY, NC 28150 PH (704) 476-0003 CORP. LICENSE NO. C-0275	

NOTE:
 SEE TMP-1A FOR TEMPORARY PAVEMENT MARKING SCHEDULE.
 SEE ROADWAY PLANS FOR DETAILED DRAINAGE LAYOUT.
 USE ADA COMPLIANT PEDESTRIAN BARRICADE TO KEEP PROPOSED SIDEWALK CLOSED UNTIL CONNECTIVITY IS ACHIEVED.
 RELOCATE REGULATORY SIGNAGE AS NECESSARY.
 FOR DRAINAGE STRUCTURES 404, 410-412, 418, 422-427, AND 430 USE PRECAST STRUCTURES INSTALLED TO A TEMPORARY ELEVATION. COVER WITH STEEL PLATE, BACKFILL, AND PAVE. FIELD VERIFY ELEVATIONS PRIOR TO MANUFACTURE. STRUCTURES 404, 410-412, AND 422-427 WILL REMAIN NON-FUNCTIONING UNTIL PHASE III, STEP 2.

PROP. SHORING (APPROX. LOCATION) FOR TEMPORARY SHORING NOTES SEE TMP-2C
 ① QUANTITY = 2070 SF TEMPORARY SHORING FROM STA. 9+25±, 31' RT TO STA. 10+40±, 57' RT
 ② QUANTITY = 2185 SF TEMPORARY SHORING FROM STA. 9.25±, 55' RT TO STA. 10+40±, 81' RT
 TEMP. PORTABLE CONCRETE BARRIER W/ CRASH CUSHION FROM RPB 9+25± TO 11+45±



-L- 10+23±

15+00
-RPC- 10+25±

-RPB- 10+58±

-L- 22+51±

12+59±

-L- US 601

14+40±

14+91±

15+42±

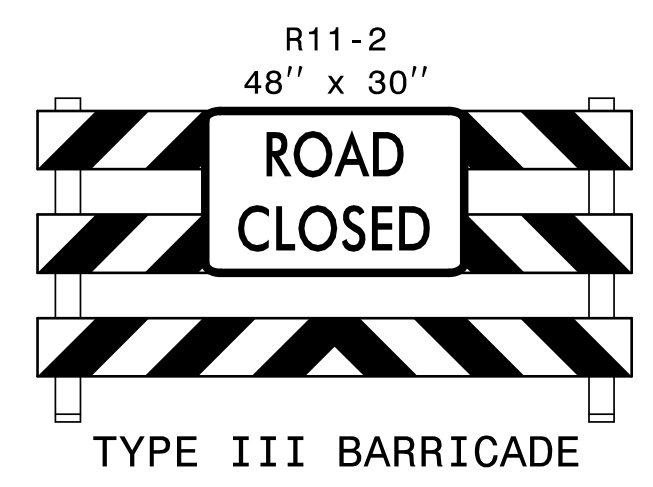
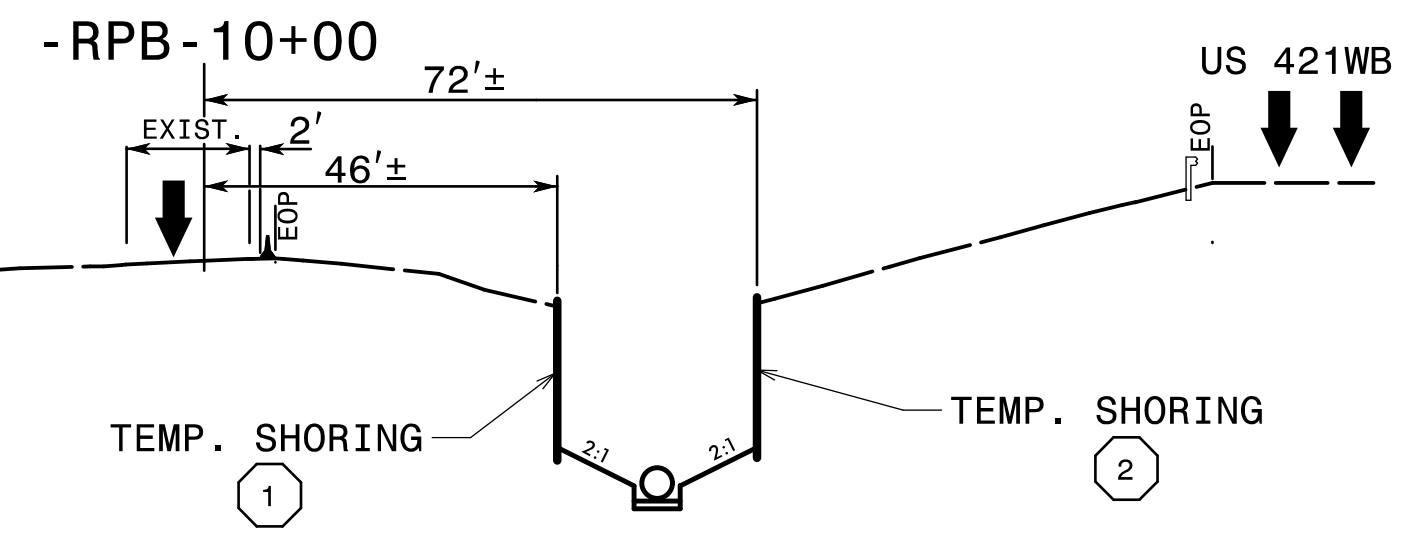
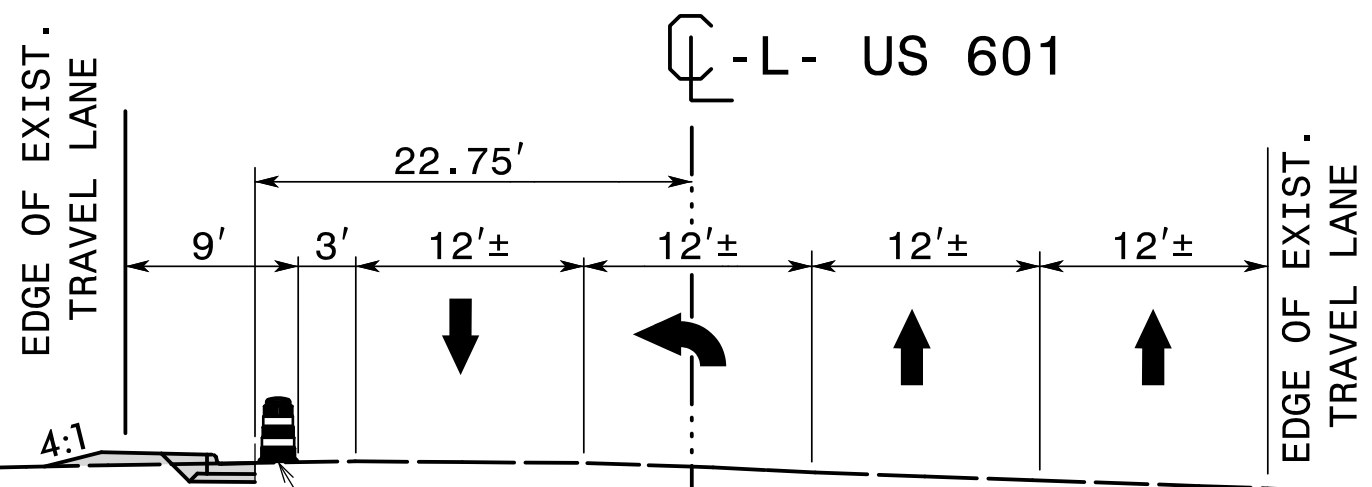
15+76±

20+08±

20+80±

22+10±

22+52±



APPROVED: *Don A. Parker*
 DATE: 3/27/2024
 SEAL
 NORTH CAROLINA PROFESSIONAL ENGINEER
 SEAL 043251
 DON A. PARKER
 DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED

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

TEMPORARY TRAFFIC CONTROL PHASE I

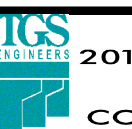
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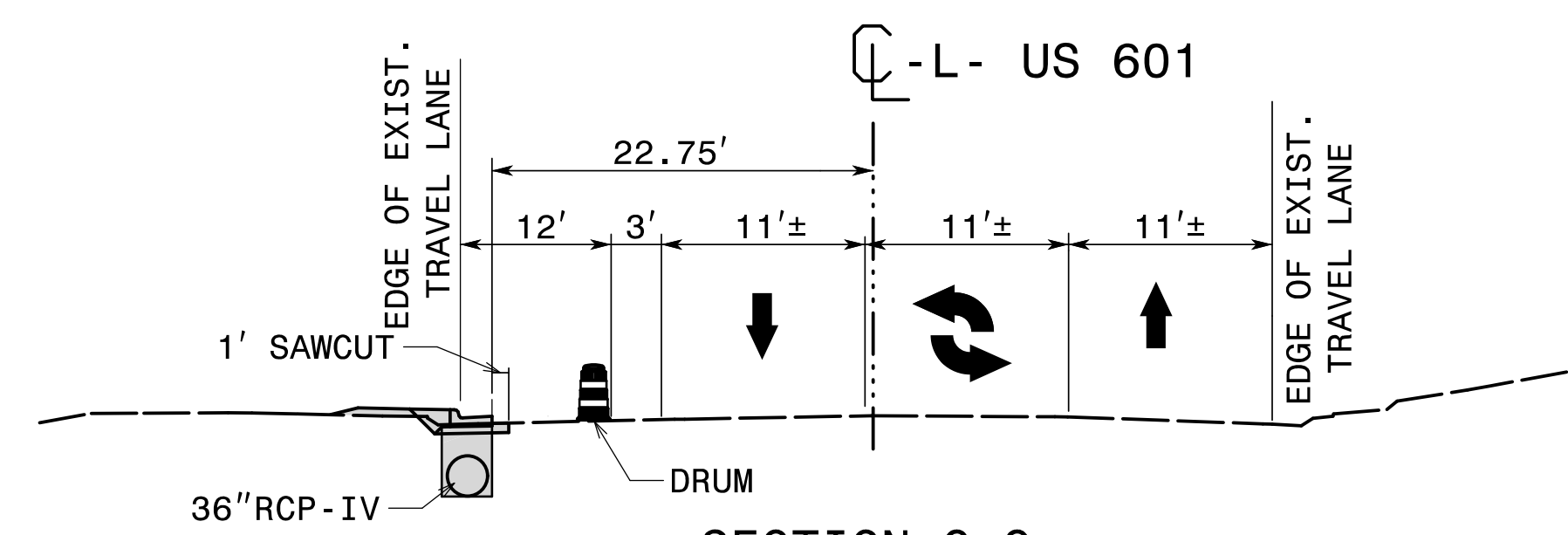
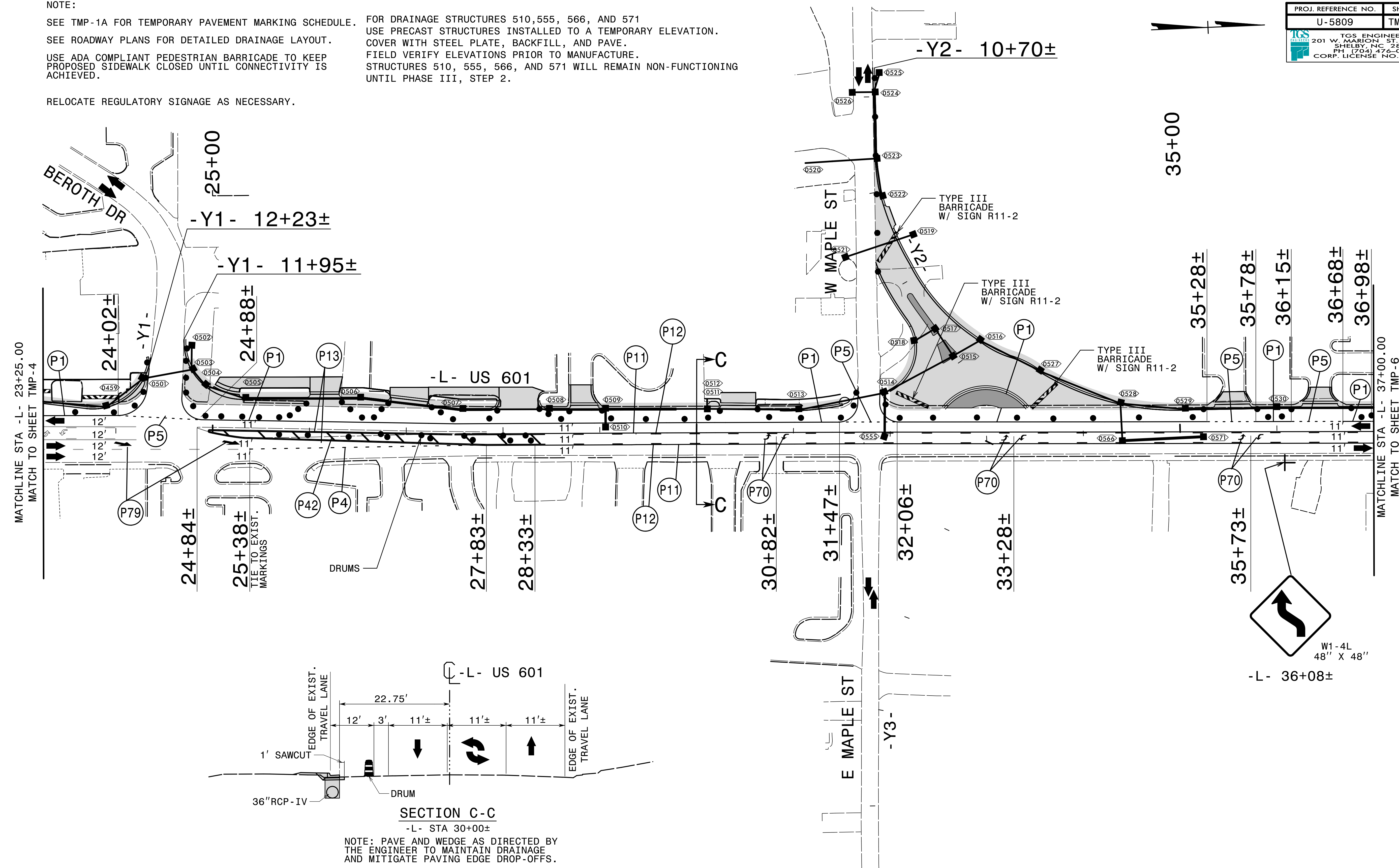
NOTE:

SEE TMP-1A FOR TEMPORARY PAVEMENT MARKING SCHEDULE.
SEE ROADWAY PLANS FOR DETAILED DRAINAGE LAYOUT.
USE ADA COMPLIANT PEDESTRIAN BARRICADE TO KEEP PROPOSED SIDEWALK CLOSED UNTIL CONNECTIVITY IS ACHIEVED.

FOR DRAINAGE STRUCTURES 510, 555, 566, AND 571 USE PRECAST STRUCTURES INSTALLED TO A TEMPORARY ELEVATION. COVER WITH STEEL PLATE, BACKFILL, AND PAVE. FIELD VERIFY ELEVATIONS PRIOR TO MANUFACTURE. STRUCTURES 510, 555, 566, AND 571 WILL REMAIN NON-FUNCTIONING UNTIL PHASE III, STEP 2.

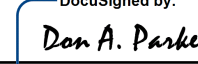
RELOCATE REGULATORY SIGNAGE AS NECESSARY.

PROJ. REFERENCE NO.	SHEET NO.
U-5809	TMP-5
 TGS ENGINEERS 201 W. MARION ST. STE 200 SHELBY, NC 28150 PH: (704) 471-0003 CORP. LICENSE NO.: C-0275	

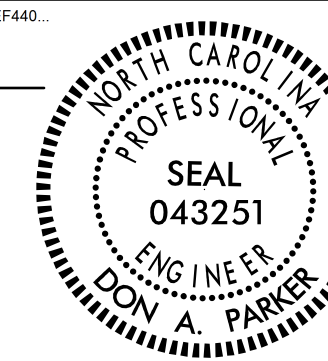


NOTE: PAVE AND WEDGE AS DIRECTED BY THE ENGINEER TO MAINTAIN DRAINAGE AND MITIGATE PAVING EDGE DROP-OFFS.

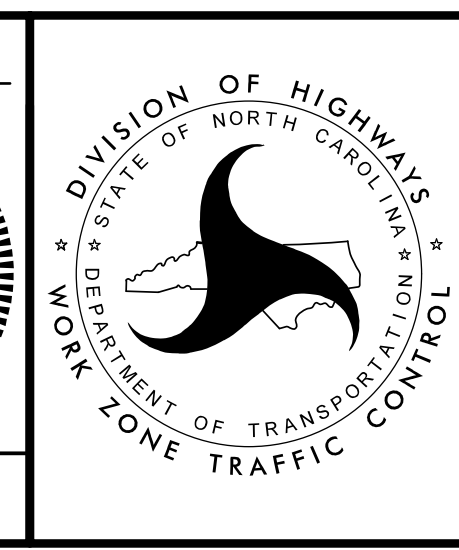
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APPROVED: 
DATE: 3/27/2024

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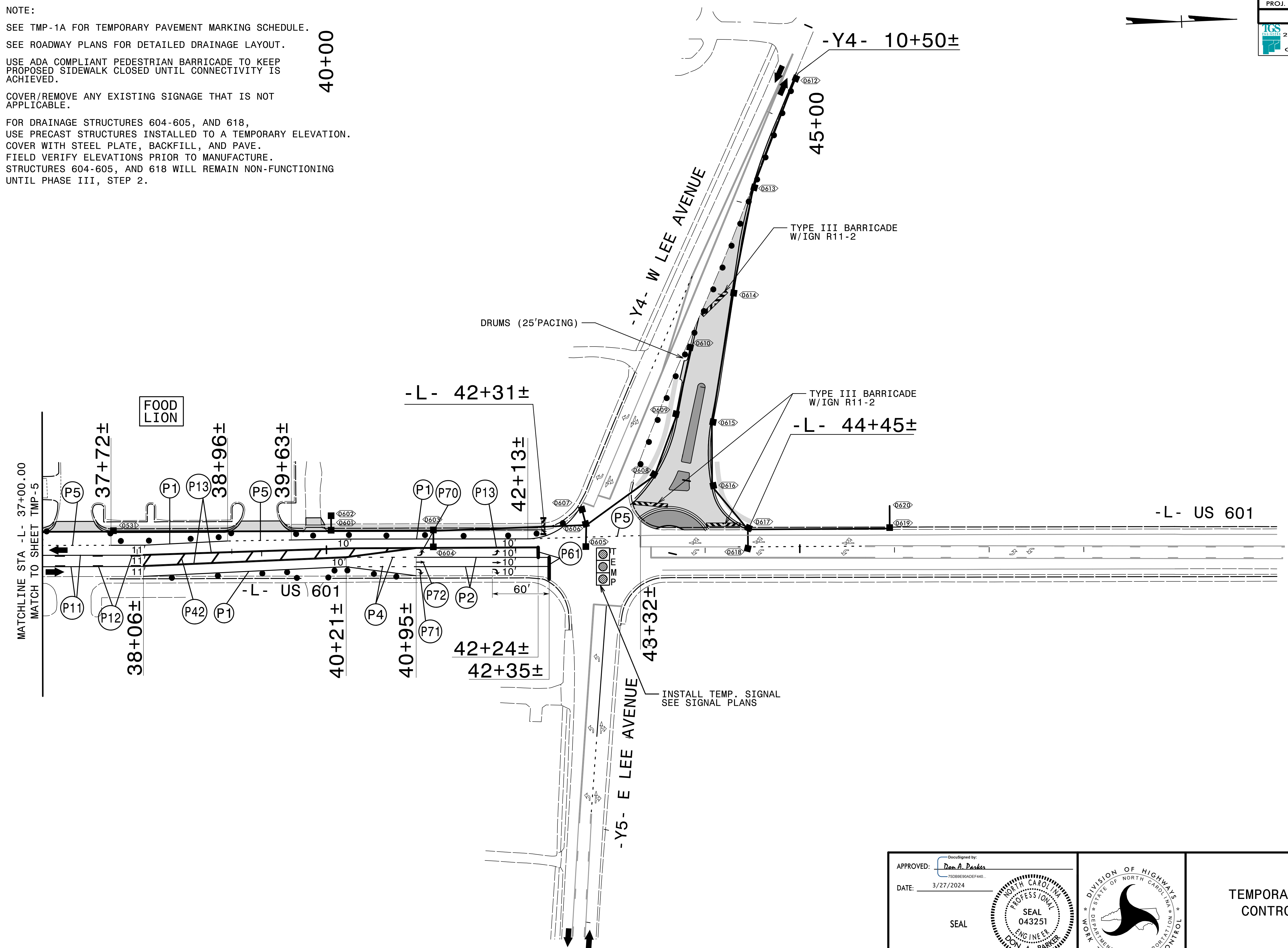


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UNLESS ALL SIGNATURES COMPLETED

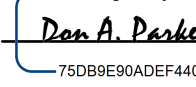



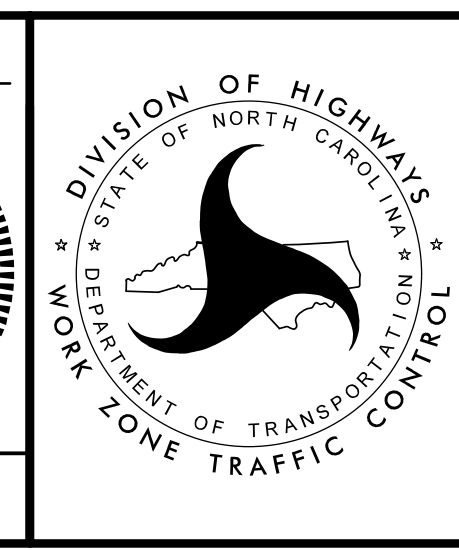
TEMPORARY TRAFFIC CONTROL PHASE I

NOTE:
 SEE TMP-1A FOR TEMPORARY PAVEMENT MARKING SCHEDULE.
 SEE ROADWAY PLANS FOR DETAILED DRAINAGE LAYOUT.
 USE ADA COMPLIANT PEDESTRIAN BARRICADE TO KEEP PROPOSED SIDEWALK CLOSED UNTIL CONNECTIVITY IS ACHIEVED.
 COVER/REMOVE ANY EXISTING SIGNAGE THAT IS NOT APPLICABLE.
 FOR DRAINAGE STRUCTURES 604-605, AND 618, USE PRECAST STRUCTURES INSTALLED TO A TEMPORARY ELEVATION. COVER WITH STEEL PLATE, BACKFILL, AND PAVE. FIELD VERIFY ELEVATIONS PRIOR TO MANUFACTURE. STRUCTURES 604-605, AND 618 WILL REMAIN NON-FUNCTIONING UNTIL PHASE III, STEP 2.



3/26/2024
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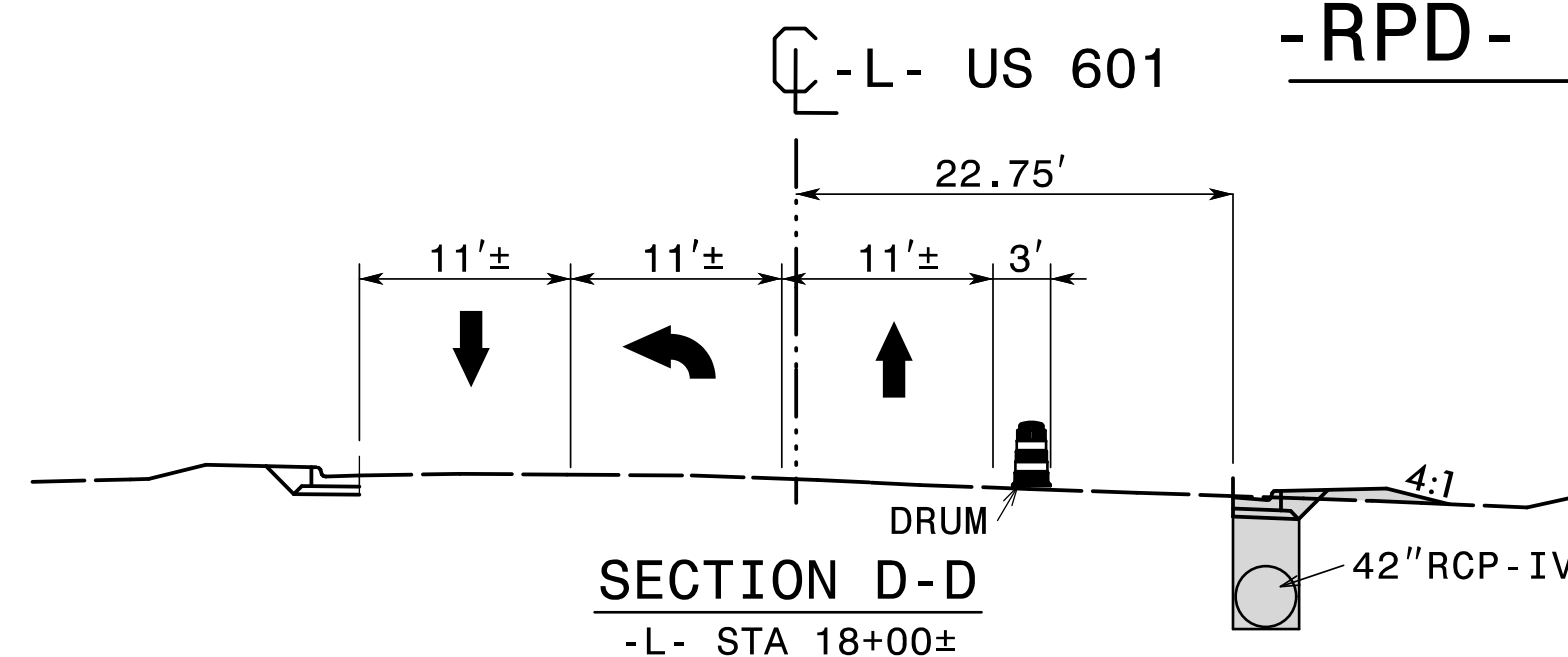
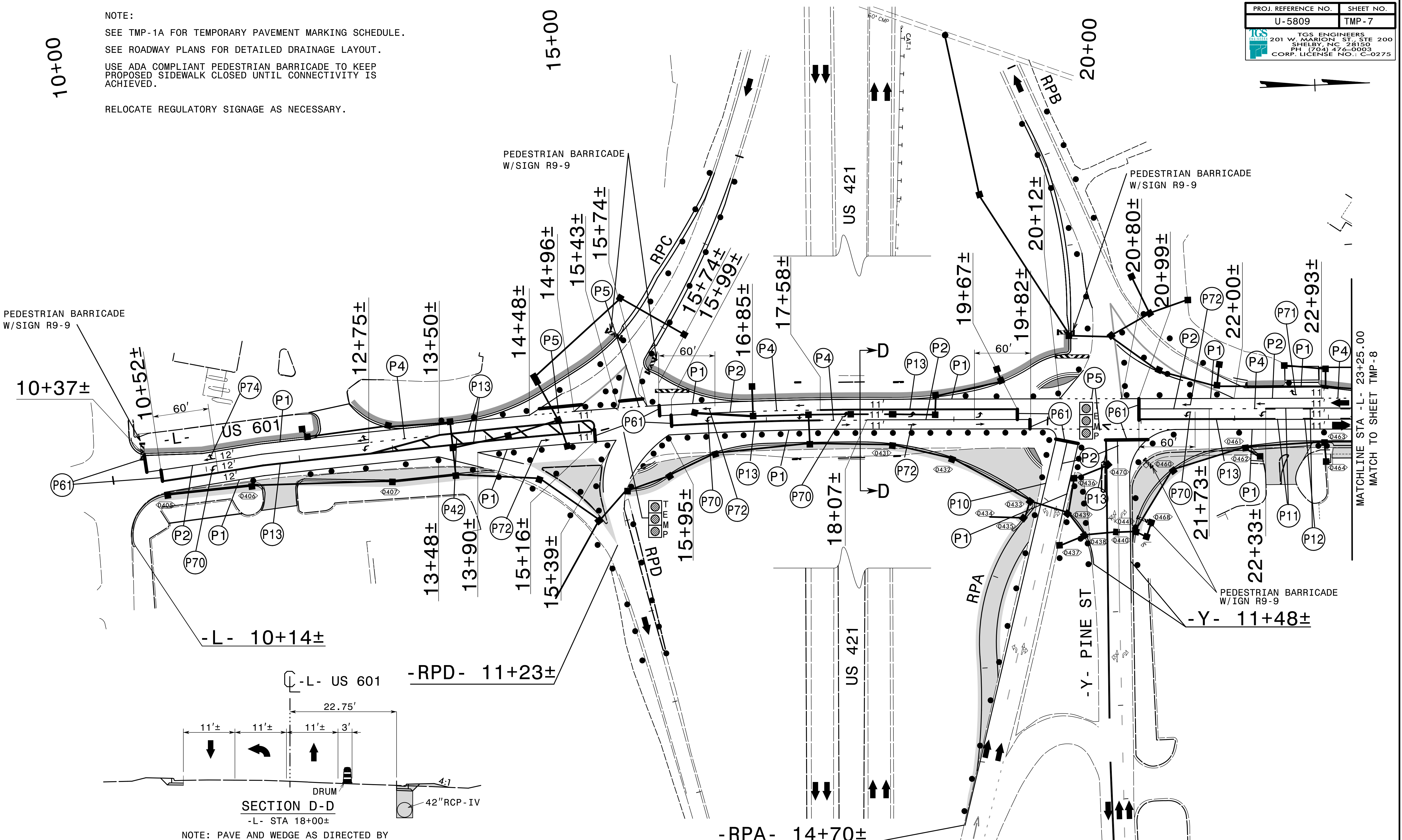
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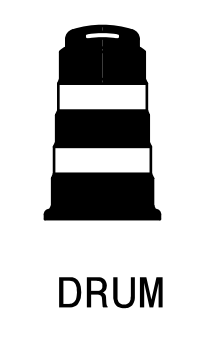
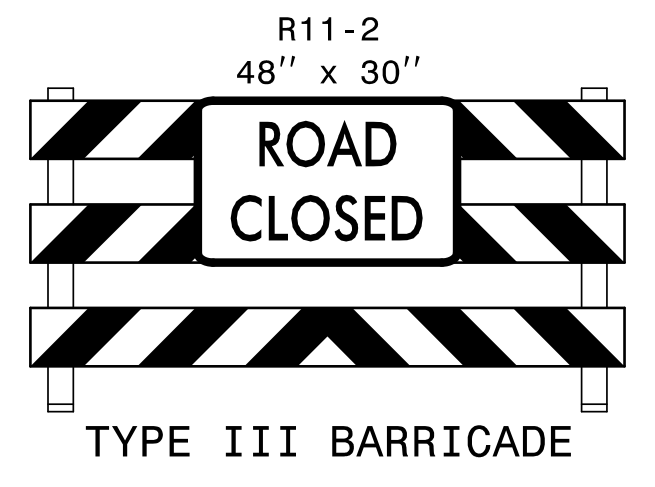
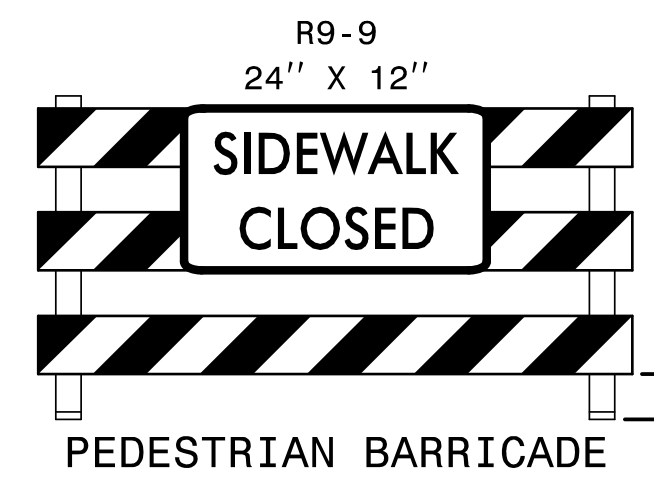
TEMPORARY TRAFFIC CONTROL PHASE I

DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED

NOTE:
SEE TMP-1A FOR TEMPORARY PAVEMENT MARKING SCHEDULE.
SEE ROADWAY PLANS FOR DETAILED DRAINAGE LAYOUT.
USE ADA COMPLIANT PEDESTRIAN BARRICADE TO KEEP PROPOSED SIDEWALK CLOSED UNTIL CONNECTIVITY IS ACHIEVED.
RELOCATE REGULATORY SIGNAGE AS NECESSARY.



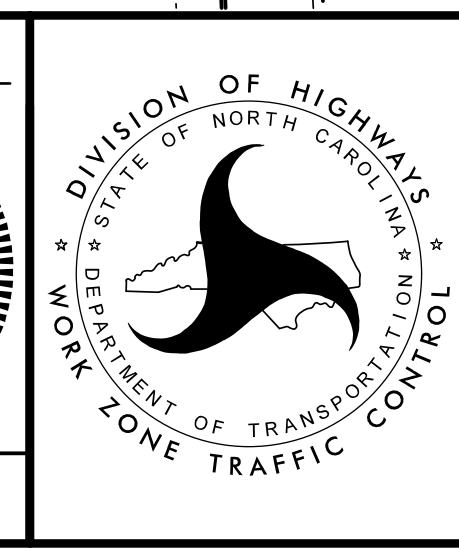
NOTE: PAVE AND WEDGE AS DIRECTED BY THE ENGINEER TO MAINTAIN DRAINAGE AND MITIGATE PAVING EDGE DROP-OFFS.



APPROVED: *Don A. Parker*
DATE: 3/27/2024

SEAL
NORTH CAROLINA PROFESSIONAL ENGINEER
SEAL 043251
DON A. PARKER

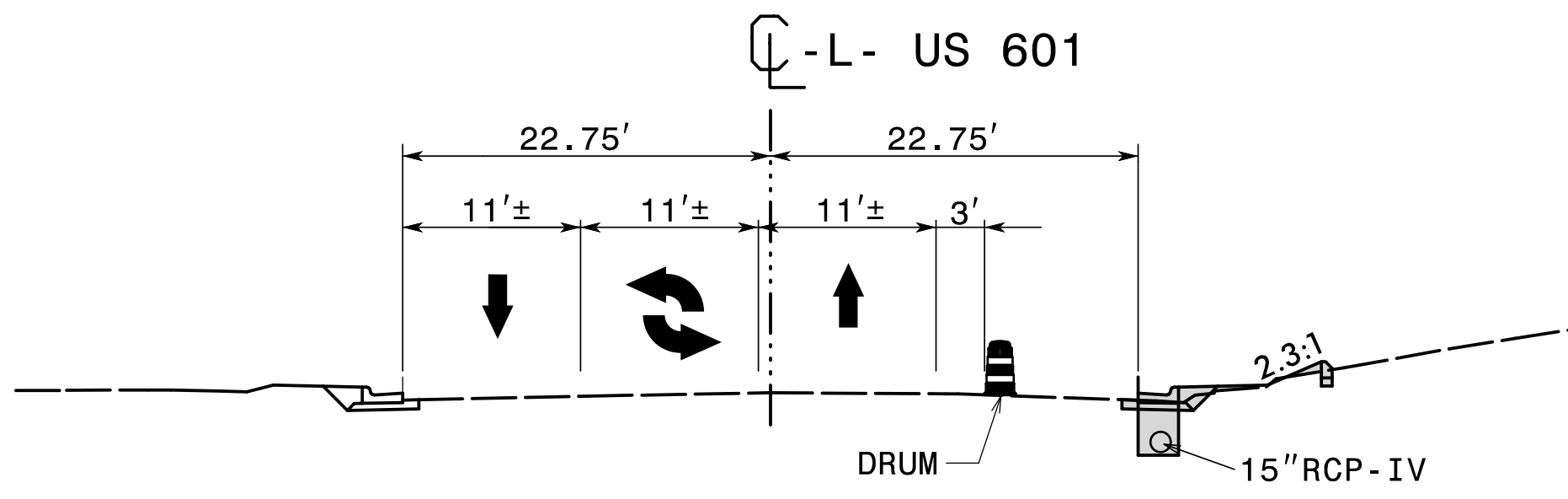
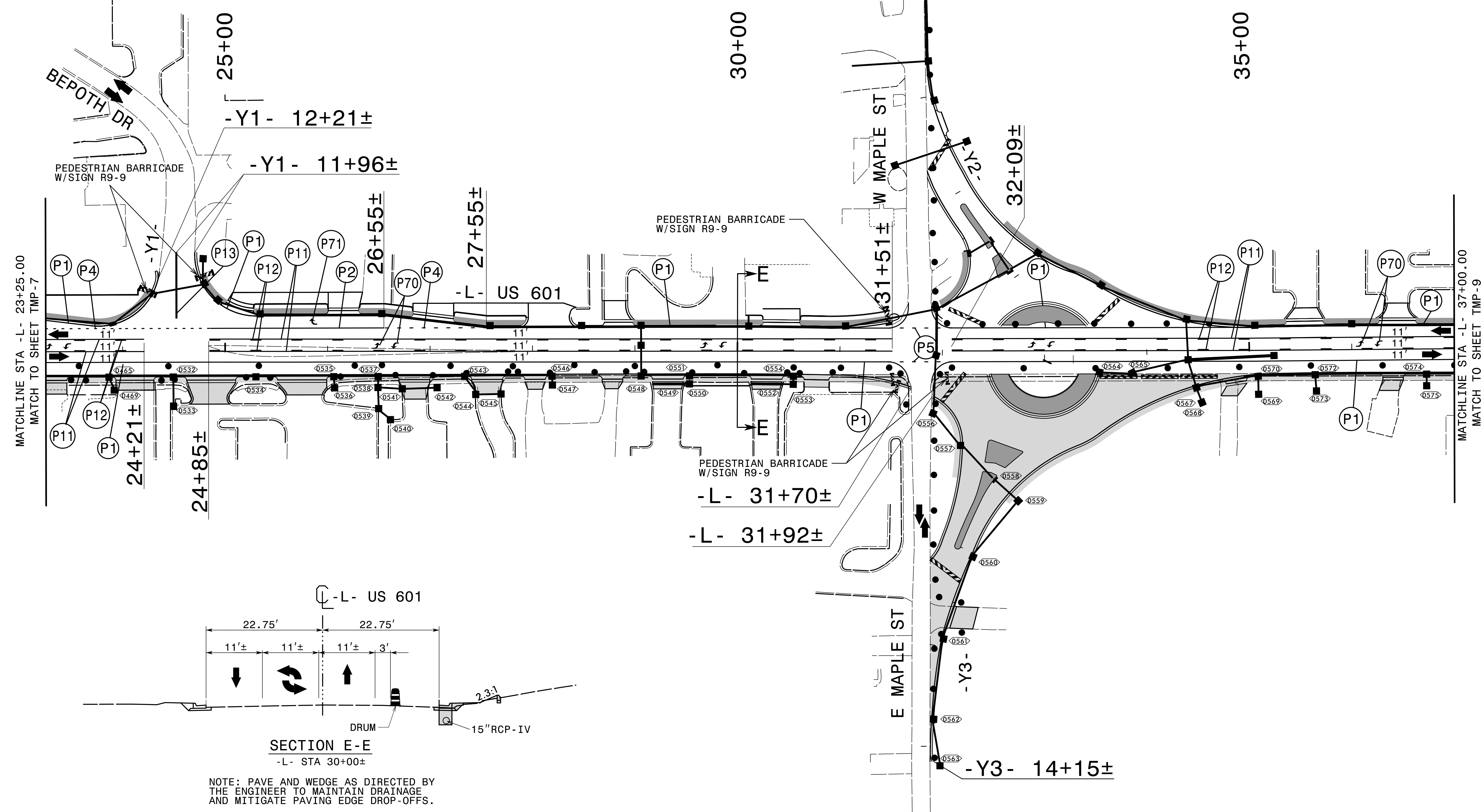
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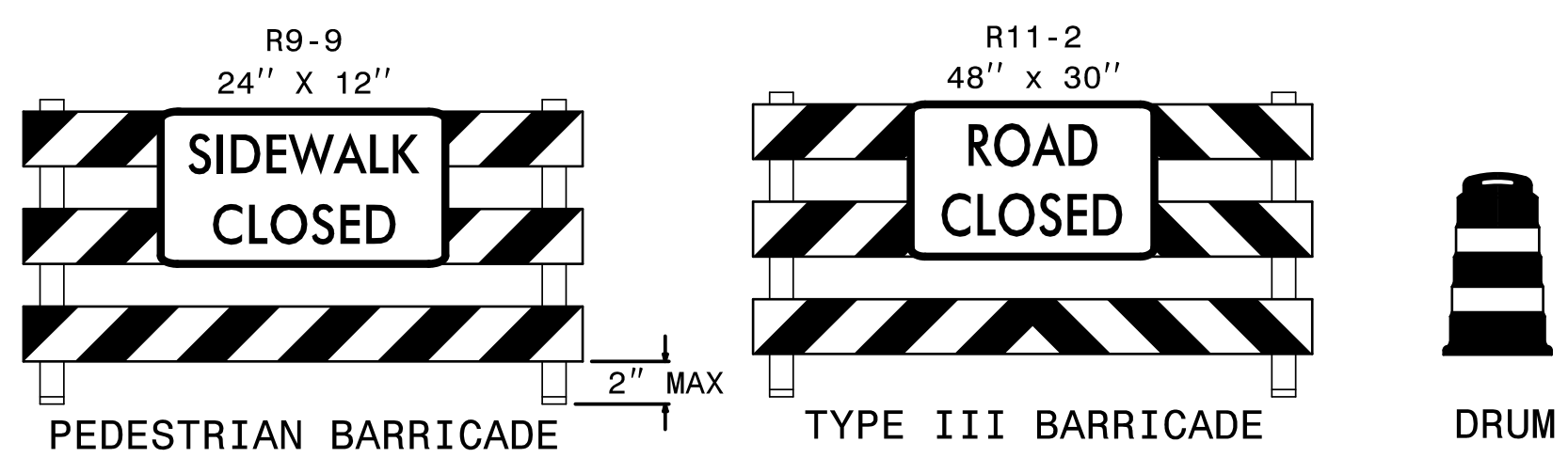
TEMPORARY TRAFFIC CONTROL PHASE II

3/26/2024
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User: jsmelvin

NOTE:
 SEE TMP-1A FOR TEMPORARY PAVEMENT MARKING SCHEDULE.
 SEE ROADWAY PLANS FOR DETAILED DRAINAGE LAYOUT.
 USE ADA COMPLIANT PEDESTRIAN BARRICADE TO KEEP PROPOSED SIDEWALK CLOSED UNTIL CONNECTIVITY IS ACHIEVED.



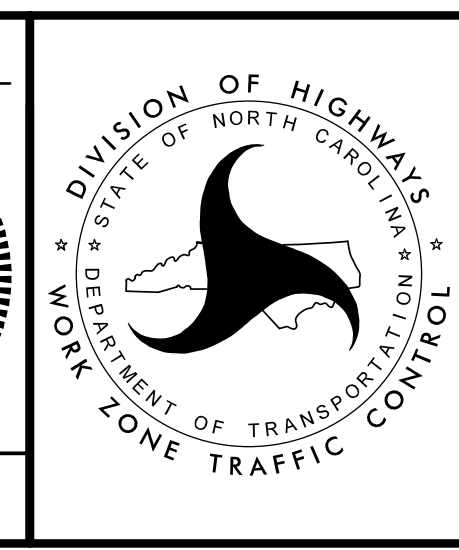
NOTE: PAVE AND WEDGE AS DIRECTED BY THE ENGINEER TO MAINTAIN DRAINAGE AND MITIGATE PAVING EDGE DROP-OFFS.



APPROVED: *Don A. Parker*
 DATE: 3/27/2024

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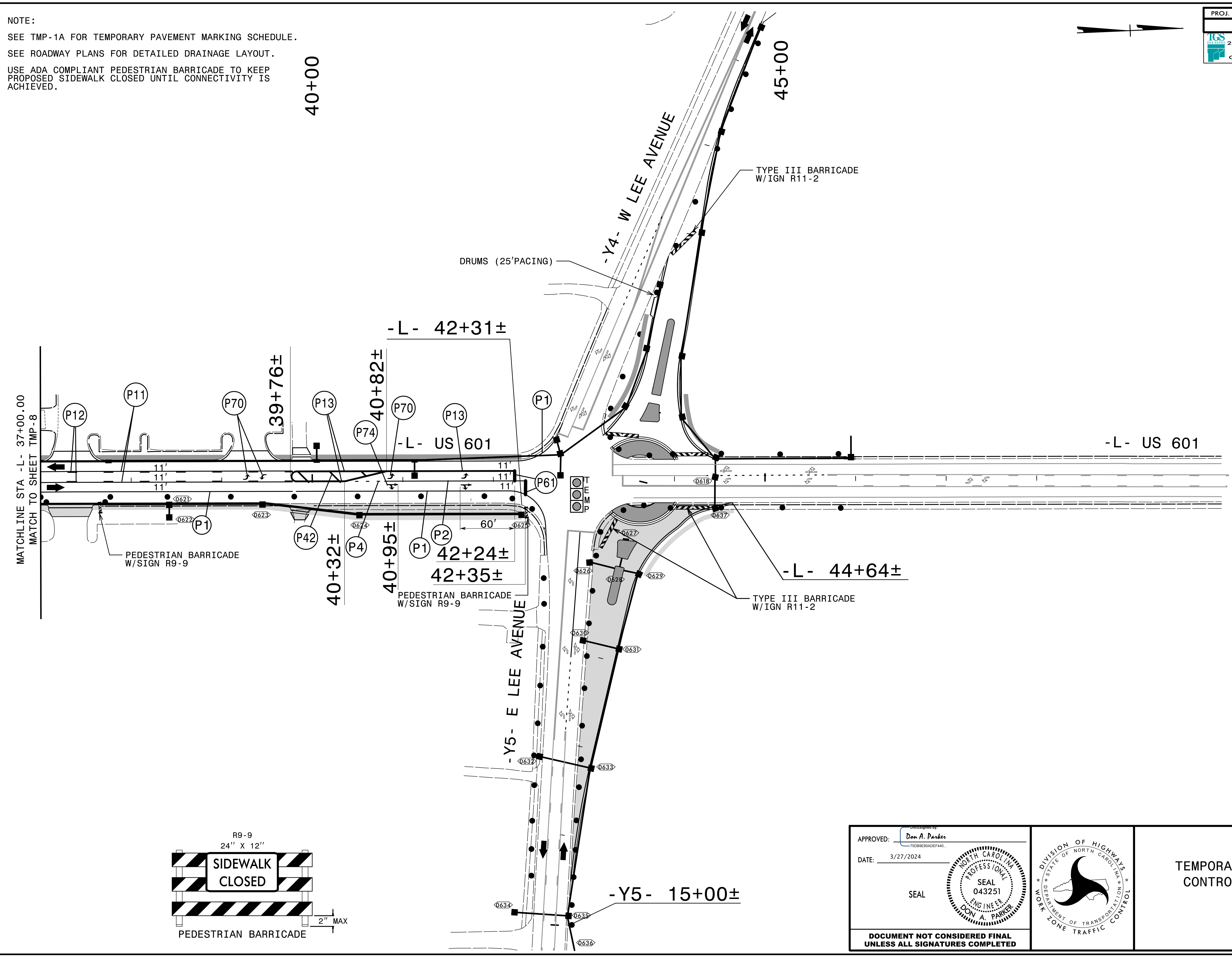
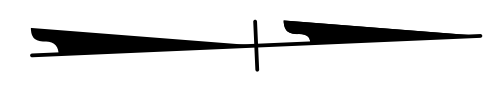
DIVISION OF HIGHWAYS
 STATE OF NORTH CAROLINA
 DEPARTMENT OF TRANSPORTATION
 WORK ZONE TRAFFIC CONTROL

TEMPORARY TRAFFIC CONTROL PHASE II

3/26/2024
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 User: jsmelin

NOTE:
 SEE TMP-1A FOR TEMPORARY PAVEMENT MARKING SCHEDULE.
 SEE ROADWAY PLANS FOR DETAILED DRAINAGE LAYOUT.
 USE ADA COMPLIANT PEDESTRIAN BARRICADE TO KEEP PROPOSED SIDEWALK CLOSED UNTIL CONNECTIVITY IS ACHIEVED.

PROJ. REFERENCE NO.	SHEET NO.
U-5809	TMP-9
 TGS ENGINEERS 201 W. MARION ST. STE 200 SHELBY, NC 28150 PH (704) 476-0003 CORP. LICENSE NO.: C-0275	



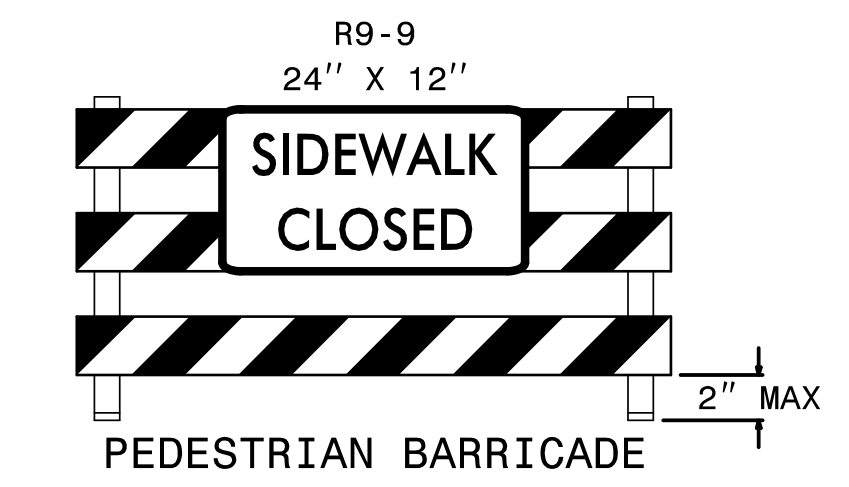
MATCHLINE STA -L- 37+00.00
 MATCH TO SHEET TMP-8

PEDESTRIAN BARRICADE
 W/SIGN R9-9

PEDESTRIAN BARRICADE
 W/SIGN R9-9

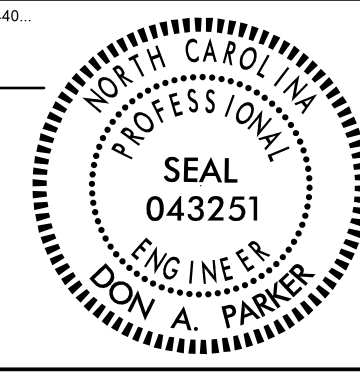
TYPE III BARRICADE
 W/IGN R11-2

TYPE III BARRICADE
 W/IGN R11-2

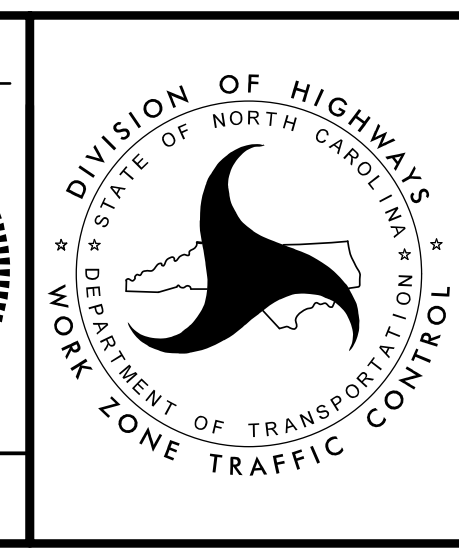


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TEMPORARY TRAFFIC CONTROL PHASE II

3/26/2024
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 User: jsmelvin