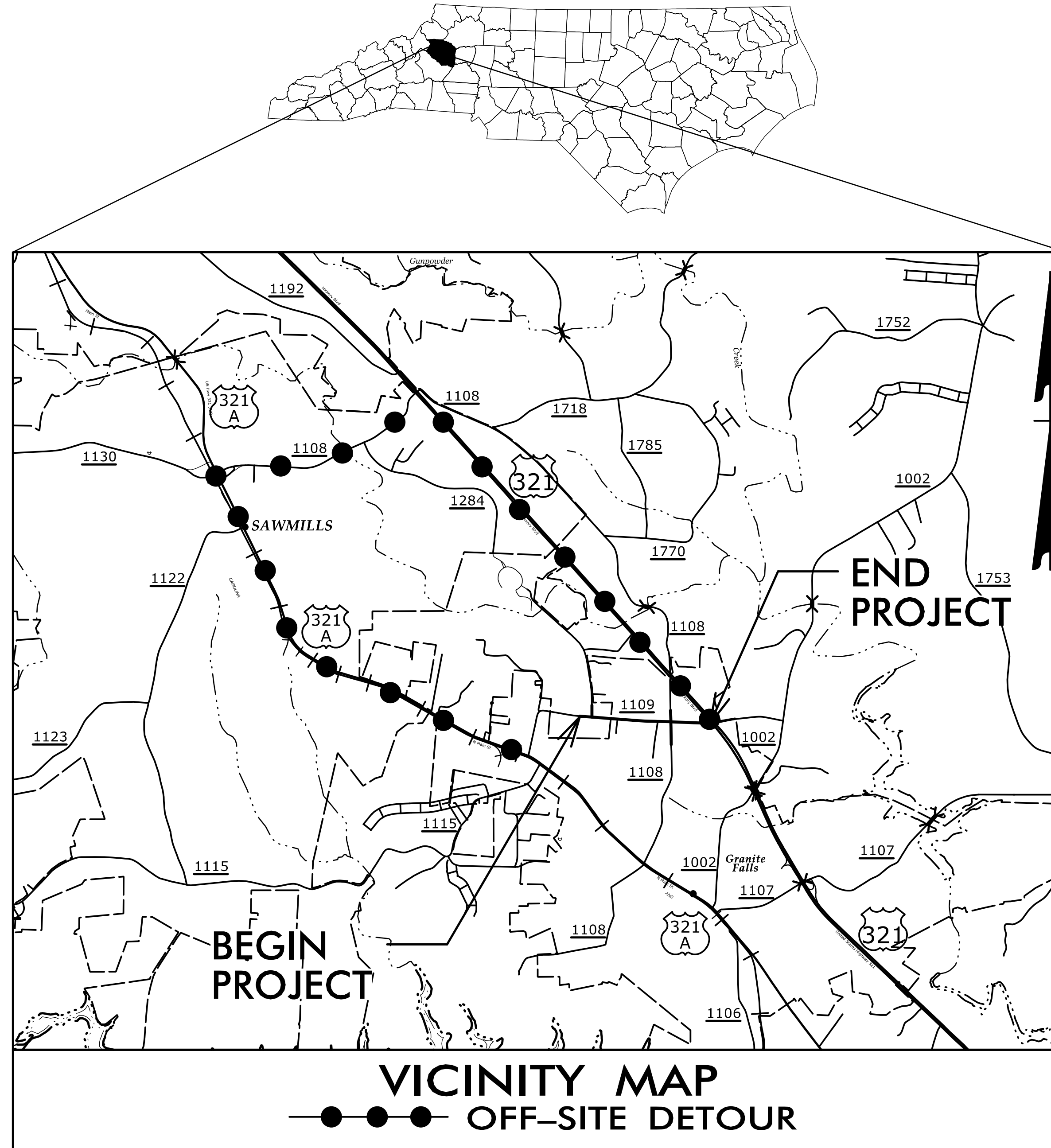


STATE OF NORTH CAROLINA
DIVISION OF HIGHWAYS

TRANSPORTATION MANAGEMENT PLAN

CALDWELL COUNTY

LOCATION: SR 1109 (PINEWOOD RD) FROM US 321 TO SR 1252 (BERT HUFFMAN RD)



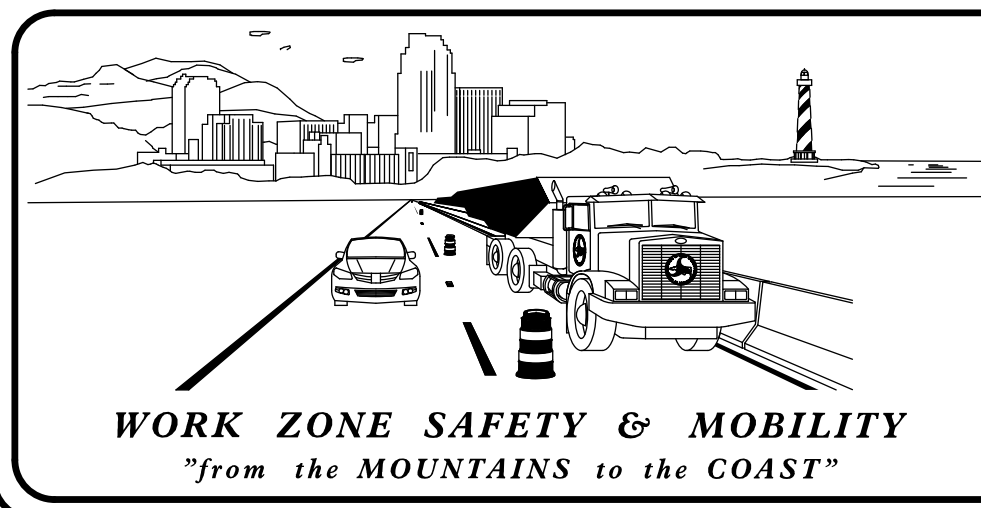
SHEET NO.
TMP-1

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: (MANAGEMENT STRATEGIES, GENERAL NOTES, AND LOCAL NOTES)
TMP-1C	SPECIAL SIGN DESIGN
TMP-2	PHASING NOTES
TMP-3	OFFSITE DETOUR ROUTE AND BARRICADE PLACEMENT
TMP-4	PHASE I (AREA A)
TMP-5 THRU TMP-6	PHASE I (AREA B)
TMP-7 THRU TMP-8	PHASE I - TEMPORARY PAVEMENT MARKING PLAN
TMP-9	PHASE II

TIP PROJECT: U-6036

1/11/2024
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User: smelvin



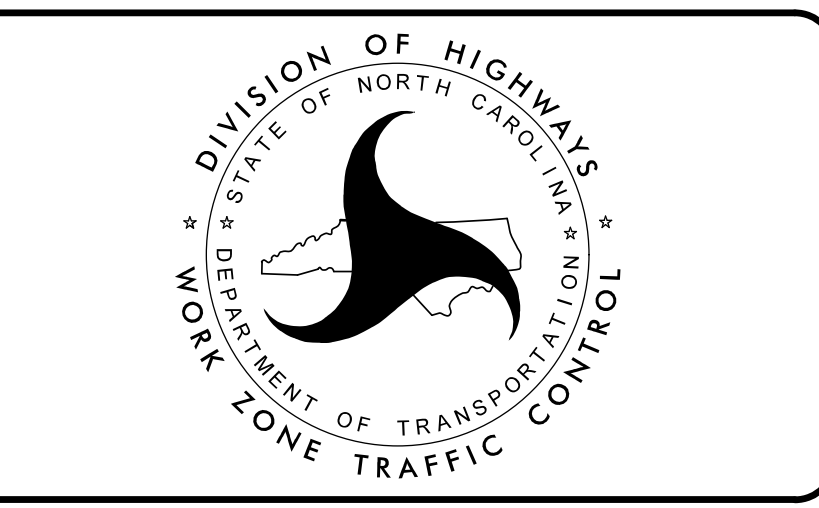
PLANS PREPARED BY:

JIMMY TERRY, PE **PROJECT ENGINEER**

SANDRA MELVIN **DESIGN ENGINEER**

NCDOT CONTACTS:

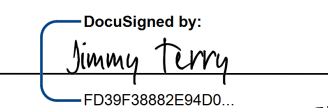
RAMIE SHAW
DIVISION PROJECT MANAGER

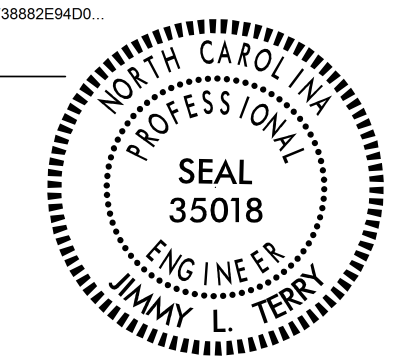


TGS ENGINEERS

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

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DATE: 1/11/2024










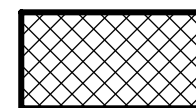
ROADWAY STANDARD DRAWINGS

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:


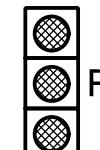

STD. NO.	TITLE
1101.01	WORK ZONE WARNING SIGNS
1101.02	TEMPORARY LANE CLOSURES
1101.03	TEMPORARY ROAD CLOSURES
1101.04	TEMPORARY SHOULDER CLOSURES
1101.11	TRAFFIC CONTROL DESIGN TABLES
1110.01	STATIONARY WORK ZONE SIGNS
1110.02	PORTABLE WORK ZONE SIGNS
1130.01	DRUMS
1135.01	CONES
1145.01	BARRICADES
1150.01	FLAGGING DEVICES
1180.01	SKINNY - DRUMS
1205.01	PAVEMENT MARKINGS - LINE TYPES AND OFFSETS
1205.02	PAVEMENT MARKINGS - TWO LANE AND MULTILANE 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
1205.14	PAVEMENT MARKINGS - ROUNDABOUTS
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





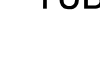
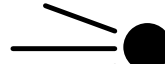





SIGNALS

-  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
-  CRYSTAL/RED
-  YELLOW/YELLOW

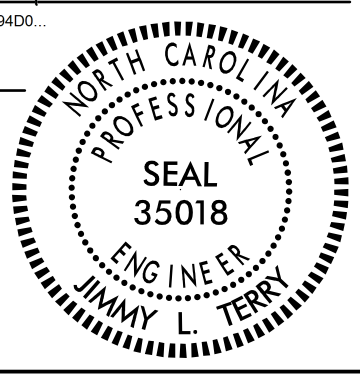
PAVEMENT MARKING SYMBOLS

-  PAVEMENT MARKING SYMBOLS

TEMPORARY PAVEMENT MARKING SCHEDULE

SYMBOL	DESCRIPTION	SYMBOL	DESCRIPTION
PAVEMENT MARKINGS		PAVEMENT MARKINGS	
PAINT (24")		PAINT (8")	
P61	(24") WHITE STOPBAR	P40	(8") WHITE GORELINE
P62	(24") WHITE CROSSWALK LINE	P45	(8") 3 FT. - 3 FT./SP WHITE MINISKIP
PAINT (4")		P46	(8") WHITE CROSSWALK LINE
P2	(4") WHITE SOLID LANE LINE	PAINT MARKING SYMBOLS	
P3	(4") 10 FT. WHITE SKIP	P70	LEFT TURN ARROW
P4	(4") 3 FT. - 9 FT./SP WHITE MINISKIP	P71	RIGHT TURN ARROW
P10	(4") YELLOW EDGELINE	P73	COMBO. STRAIGHT/LEFT
P11	(4") YELLOW SINGLE CENTER	P74	COMBO. STRAIGHT/RIGHT
P12	(4") 10 FT. YELLOW SKIP	P76	COMBO LEFT/RIGHT/STRAIGHT
P13	(4") YELLOW DOUBLE CENTER		

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 User: jsmelvin

APPROVED:  DATE: 1/11/2024			ROADWAY STANDARD DRAWINGS & LEGEND
DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED			

GENERAL NOTES

PROJ. REFERENCE NO.	SHEET NO.
U-6036	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 UNDESIRABLE 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 - REQUIRES INTERMEDIATE CONTRACT TIME PROJECT SPECIAL PROVISIONS

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

ROAD NAME	DAY AND TIME RESTRICTIONS
-L- (PINWOOD RD) -Y- (BERT HUFFMAN RD) -Y1- (N HIGHLANDS AVE)	MON THRU FRI 7:00 AM TO 9:00 AM & 4:00 PM TO 6:00 PM

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

ROAD NAME
-L- (PINWOOD RD) -Y- (BERT HUFFMAN RD) -Y1- (N HIGHLANDS AVE)

HOLIDAY

- FOR ANY UNEXPECTED OCCURRENCE THAT CREATES UNUSUALLY HIGH TRAFFIC VOLUMES, AS DIRECTED BY THE ENGINEER.
- FOR NEW YEAR'S, BETWEEN THE HOURS OF 7:00 A.M. DECEMBER 31st TO 6:00 P.M. JANUARY 2ND. IF NEW YEAR'S DAY IS ON A FRIDAY, SATURDAY, SUNDAY, OR MONDAY THEN UNTIL 6:00 P.M. THE FOLLOWING TUESDAY.
- FOR EASTER, BETWEEN THE HOURS OF 7:00 A.M. THURSDAY AND 6:00 P.M. MONDAY.
- FOR MEMORIAL DAY, BETWEEN THE HOURS OF 7:00 A.M. FRIDAY TO 6:00 P.M. TUESDAY.
- FOR INDEPENDENCE DAY, BETWEEN THE HOURS OF 7:00 A.M. THE DAY BEFORE INDEPENDENCE DAY AND 6:00 P.M. THE DAY AFTER INDEPENDENCE DAY.

IF INDEPENDENCE DAY IS ON A FRIDAY, SATURDAY, SUNDAY OR MONDAY THEN BETWEEN THE HOURS OF 7:00 A.M. THE THURSDAY BEFORE INDEPENDENCE DAY AND 6:00 P.M. THE TUESDAY AFTER INDEPENDENCE DAY.

- FOR LABOR DAY, BETWEEN THE HOURS OF 7:00 A.M. FRIDAY AND 6:00 P.M. TUESDAY.
- FOR THANKSGIVING DAY, BETWEEN THE HOURS OF 7:00 A.M. TUESDAY TO 6:00 P.M. MONDAY.
- FOR CHRISTMAS, BETWEEN THE HOURS OF 7:00 A.M. THE FRIDAY BEFORE THE WEEK OF CHRISTMAS DAY AND 6:00 P.M. THE FOLLOWING TUESDAY AFTER THE WEEK OF CHRISTMAS.

C) DO NOT CLOSE ROADS AS FOLLOWS:

-L- (PINWOOD RD) AND -Y- (BERT HUFFMAN RD) BETWEEN THE MONTH OF AUGUST AND THE FOLLOWING JUNE WHILE SCHOOL IS IN SESSION.

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 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.
- PROVIDE TRAFFIC CONTROL FOR APPROPRIATE LANE CLOSURES FOR SURVEYING DONE BY THE DEPARTMENT

PAVEMENT EDGE DROP OFF REQUIREMENTS

J) BACKFILL AT A 6:1 SLOPE UP TO THE EDGE AND ELEVATION OF EXISTING PAVEMENT IN AREAS ADJACENT TO AN OPENED TRAVEL LANE THAT HAS AN EDGE OF PAVEMENT DROP-OFF AS FOLLOWS:

BACKFILL DROP-OFFS THAT EXCEED 2 INCHES ON ROADWAYS WITH POSTED SPEED LIMITS OF 45 MPH OR GREATER.

BACKFILL DROP-OFFS THAT EXCEED 3 INCHES ON ROADWAYS WITH POSTED SPEED LIMITS LESS THAN 45 MPH.

BACKFILL WITH SUITABLE COMPACTED MATERIAL, AS APPROVED BY THE ENGINEER, AT NO EXPENSE TO THE DEPARTMENT.

K) DO NOT EXCEED A DIFFERENCE OF 2 INCHES IN ELEVATION BETWEEN OPEN LANES OF TRAFFIC FOR NOMINAL LIFTS OF 1.5 INCHES. INSTALL ADVANCE WARNING "UNEVEN LANES" SIGNS (W8-11) 100 FT IN ADVANCE AND A MINIMUM OF EVERY HALF MILE THROUGHOUT THE UNEVEN AREA.

TRAFFIC PATTERN ALTERATIONS

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

SIGNING

M) INSTALL ADVANCE WORK ZONE WARNING SIGNS WHEN WORK IS WITHIN 40 FT FROM THE EDGE OF TRAVEL LANE AND NO MORE THAN THREE (3) DAYS PRIOR TO THE BEGINNING OF CONSTRUCTION.

N) PROVIDE SIGNING AND DEVICES REQUIRED TO CLOSE THE ROAD ACCORDING TO THE ROADWAY STANDARD DRAWINGS AND TRAFFIC CONTROL PLANS.

PROVIDE SIGNING REQUIRED FOR THE OFF-SITE DETOUR ROUTE AS SHOWN IN THE TRAFFIC CONTROL PLANS.

O) COVER OR REMOVE ALL SIGNS AND DEVICES REQUIRED TO CLOSE THE ROAD WHEN ROAD CLOSURE IS NOT IN OPERATION.

COVER OR REMOVE ALL SIGNS REQUIRED FOR THE OFF-SITE DETOUR WHEN THE DETOUR IS NOT IN OPERATION.

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

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

TRAFFIC BARRIER

R) INSTALL TEMPORARY BARRIER ACCORDING TO THE TRANSPORTATION MANAGEMENT PLANS A MAXIMUM OF TWO (2) WEEKS PRIOR TO BEGINNING WORK IN ANY LOCATION. ONCE TEMPORARY BARRIER IS INSTALLED AT ANY LOCATION PROCEED IN A CONTINUOUS MANNER TO COMPLETE THE PROPOSED WORK IN THAT LOCATION UNLESS OTHERWISE STATED IN THE TRANSPORTATION MANAGEMENT PLANS OR AS DIRECTED BY THE ENGINEER.

DO NOT PLACE BARRIER DIRECTLY ON ANY SURFACE OTHER THAN ASPHALT OR CONCRETE.

ONCE TEMPORARY BARRIER IS INSTALLED AT ANY LOCATION AND NO WORK IS PERFORMED BEHIND THE TEMPORARY BARRIER FOR A PERIOD LONGER THAN TWO (2) MONTHS, REMOVE / RESET TEMPORARY BARRIER AT NO COST TO THE DEPARTMENT UNLESS OTHERWISE STATED IN THE TRANSPORTATION MANAGEMENT PLANS, TEMPORARY BARRIER IS PROTECTING A HAZARD, OR AS DIRECTED BY THE ENGINEER.

INSTALL TEMPORARY BARRIER WITH THE TRAFFIC FLOW BEGINNING WITH THE UPSTREAM SIDE OF TRAFFIC. REMOVE TEMPORARY BARRIER AGAINST THE TRAFFIC FLOW BEGINNING WITH THE DOWNSTREAM SIDE OF TRAFFIC.

INSTALL AND SPACE DRUMS NO GREATER THAN TWICE THE POSTED SPEED LIMIT (MPH) TO CLOSE OR KEEP THE SECTION OF THE ROADWAY CLOSED UNTIL THE TEMPORARY BARRIER CAN BE PLACED OR AFTER THE TEMPORARY BARRIER IS REMOVED.

TRAFFIC CONTROL DEVICES

S) 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.

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

PAVEMENT MARKINGS AND MARKERS

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

ROAD NAME	MARKING	MARKER
-L- (PINWOOD RD)	PAINT	NONE
-Y- (BERT HUFFMAN RD)	PAINT	NONE
-Y1- (N HIGHLANDS AVE)	PAINT	NONE

V) CONTRACTOR WILL INSTALL PAVEMENT MARKINGS AND PAVEMENT MARKERS ON THE FINAL SURFACE.

W) 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.

X) TIE PROPOSED PAVEMENT MARKING LINES TO EXISTING PAVEMENT MARKING LINES.

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

Z) TRACE THE PROPOSED MONOLITHIC ISLAND LOCATIONS WITH PROPER COLOR PAVEMENT MARKINGS PRIOR TO INSTALLATION PLACE DRUMS TO DELINEATE ANY PROPOSED MONOLITHIC ISLANDS

MISCELLANEOUS

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

BB) 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.

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

LOCAL NOTES

UNLESS OTHERWISE NOTED MAINTAIN ACCESS TO DRIVEWAYS AT ALL TIMES.

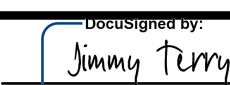
UNLESS OTHERWISE NOTED TWO WAY THROUGH TRAFFIC SHALL BE MAINTAINED ON TWO 10 FT(MIN) LANES AT ALL TIMES WHILE FLAGGERS ARE NOT AT WORK.

THE ROUNDABOUT AT THE INTERSECTION OF -L- (PINWOOD DR) AND -Y- (BERT HUFFMAN RD) MUST BE CONSTRUCTED DURING THE SUMMER MONTHS WHILE SCHOOL IS NOT IN SESSION.

MANAGEMENT STRATEGIES

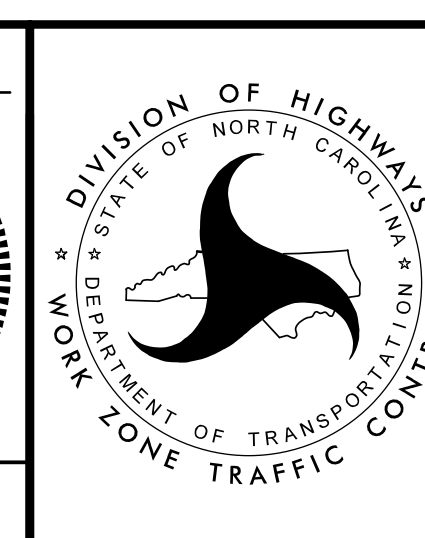
DURING CONSTRUCTION OF THE ROUNDABOUT AT THE INTERSECTION OF PINWOOD RD (-L-) AND BERT HUFFMAN RD (-Y-) BOTH WILL BE CLOSED TO TRAFFIC. TRAFFIC WILL BE MAINTAINED ON THE FOLLOWING OFFSITE DETOUR: US 321 ALT TO SR 1108 (MISSION RD) TO US 321.

ALL OTHER CONSTRUCTION INCLUDING THE COMPLETION OF PINWOOD RD (-L-) AND THE CONSTRUCTION OF N HIGHLAND AVE (-Y1-) WILL BE PERFORMED USING FLAGGERS, AND TEMPORARY LANE CLOSURES.

APPROVED: 
DATE: 1/11/2024

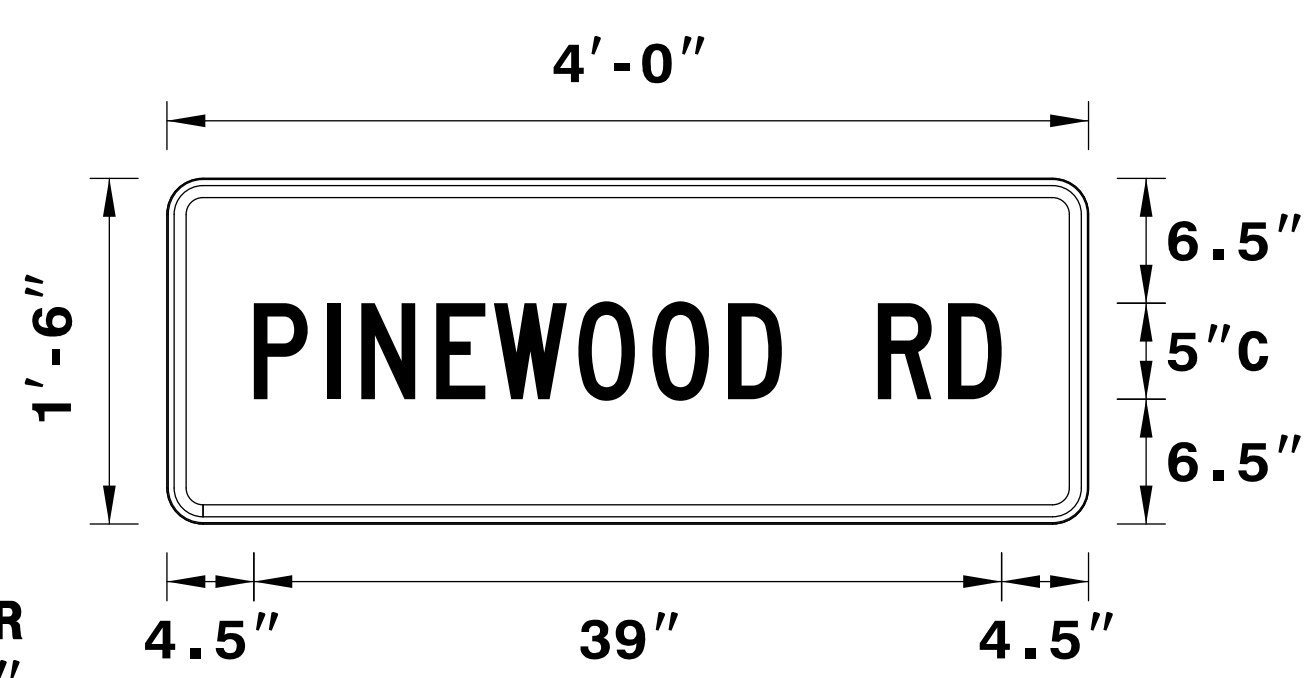
SEAL 35018
ENGINEER
JIMMY L. TERRY

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TRANSPORTATION OPERATIONS PLAN

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<p>SIGN NUMBER: DET-1 TYPE: STATIONARY QUANTITY: SEE PLANS</p> <p>SIGN WIDTH: 4'-0" HEIGHT: 1'-6" TOTAL AREA: 6.0 Sq.Ft.</p> <p>BORDER TYPE: INSET RECESS: 0.38" WIDTH: 0.63" RADII: 1.5"</p> <p>NO. Z BARS: LENGTH:</p>	<p>BACKG COLOR: Fluorescent Orange COPY COLOR: Black</p> <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th>SYMBOL</th> <th>X</th> <th>Y</th> <th>WID</th> <th>HT</th> </tr> </thead> <tbody> <tr><td> </td><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td><td> </td></tr> </tbody> </table> <p>MAT'L: 0.080" (2.0 mm) ALUMINUM</p>	SYMBOL	X	Y	WID	HT																																														<p>DESIGN BY: SGM PROJECT ID: U-6036</p> <p>CHECKED BY: JLT LOCATION: CALDWELL CO</p> <p style="text-align: right;">Aug 16, 2019 DIV: 11</p> <div style="text-align: center; margin-top: 20px;">  <p>BORDER R=1.5" TH=0.63" IN=0.38"</p> <p>Panel Style: Traffic Control.ssi M.U.T.C.D.: 2009 Edition</p> </div> <p style="text-align: right; font-size: small;">Spacing Factor is 1 unless specified otherwise</p>
SYMBOL	X	Y	WID	HT																																																

LETTER POSITIONS

Letter locations are panel edge to lower left corner


Letter locations are panel edge to lower left corner												Series/Size										
P	I	N	E	W	O	O	D		R	D											Text Length	
4.5	8.3	10.1	14	17	21.4	25.3	29.2	32	37	40.7											C 2000	
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FILENAME: U-6036_TC_TMP_01C(Special Sign) NORTH CAROLINA D.O.T. SIGN DETAIL

I:\2024\11\2024\11\2024\U-6036\Traffic\TrafficControl\TCP\U-6036_TC_TMP_01C(Special Sign).dgn
 User: jsmelvin

<p>APPROVED:  DATE: 1/11/2024</p> <p style="text-align: center;">SEAL</p>			<p>SPECIAL SIGN DESIGN</p>
DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED			

PHASING

PROJ. REFERENCE NO.	SHEET NO.
U-6036	TMP-2
 TGS ENGINEERS 201 W. MARION ST. STE 200 SHELBY, NC 28150 PH (704) 476-0003 CORP. LICENSE NO.: C-0275	

UNLESS OTHERWISE NOTED PROVIDE ACCESS TO ALL DRIVES AND SIDEROADS AT ALL TIMES.

THE CONSTRUCTION OF THE ROUNDABOUT AT THE INTERSECTON OF PINEWOOD RD (-L-) AND BERT HUFFMAN RD (-Y-) MUST BE CONSTRUCTED DURING THE SUMMER MONTHS.

AREA A:
PINEWOOD RD FROM -L- STA 11+80 TO -L STA 18+00+/- AND BERT HUFFMAN RD (-Y-)

AREA B:
PINEWOOD RD FROM -I- STA 18+00+/- TO -L- STA. 46+56.04 AND N HIGHLAND AVE (-Y1-)

PHASE I

STEP 1:

INSTALL ALL ADVANCED WORK ZONE WARNING SIGNS IN ACCORDANCE WITH NCDOT RDY STD DRAWING 1101.01, SHEET 3 OF 3.

AREA A:

*NOTE:
PRIOR TO THE ROAD CLOSURE DESCRIBED IN PHASE 1, STEP 2, ALL UTILITY WORK HAS TO BE COMPLETE.*

THE CONTRACTOR SHALL COMPLETE WORK IN AREA A PHASE I, STEPS 2 & 3 IN 75 CONSECUTIVE CALENDAR DAYS.
SEE INTERMEDIATE CONTRACT AND LIQUIDATION DAMAGES.

STEP 2:

INSTALL TYPE III BARRICADES AND DETOUR SIGNAGE, SHIFT TRAFFIC ONTO THE DETOUR , ADJUST SIGNAL TIMINGS AS DIRECTED BY THE ENGINEER AND CLOSE PINEWOOD RD (-L-) AND BERT HUFFMAN RD (-Y-) TO TRAFFIC.

SEE TMP-1C & TMP-3. SEE NCDOT RDY STD DRAWING 1101.03, SHEET 1 OF 9

STEP 3:

CONSTRUCT THE FOLLOWING UP TO BUT NOT INCLUDING THE FINAL LAYER OF SURFACE COURSE:
-L- STA 11+80 TO 18+00
-Y- STA. 12+40 TO 14+94.41

INSTALL PROPOSED DRAINAGE STRUCTURES

CONSTRUCT THE ROUNDABOUT CENTRAL ISLAND.

CONSTRUCT ALL ADJACENT DRIVEWAYS.

USING DRUMS AND/OR SKINNY DRUMS DELINEATE THE PROPOSED SPLITTER ISLAND.

REMOVE ALL BARRICADES AND DETOUR SIGNAGE, PLACE TEMPORARY PAVEMENT MARKINGS BEFORE OPENING TO TRAFFIC, AND OPEN THE ROUNDABOUT TO TRAFFIC.

SEE TMP-4.

*NOTE:
IF AREA B HAS NOT BEEN CONSTRUCTED SHIFT TRAFFIC TO TIE INTO EXISTING TWO-LANE TWO-WAY TRAFFIC PATTERN. SEE TMP-4*

AREA B:

NOTE: AREA B CAN BE CONSTRUCTED CONCURRENTLY WITH AREA A

STEP 2:

SEE SIGNAL PLANS FOR TEMPORARY UPGRADE TO SIGNAL FOR PINEWOOD(-L-)/ N HIGHLANDS AVE (-Y1-) INTERSECTION.

WHILE MAINTAINING THE EXISTING TRAFFIC PATTERN AND USING TEMPORARY LANE CLOSURES AND FLAGGERS AS NEEDED, WIDEN AND WEDGE THE FOLLOWING UP TO BUT NOT INCLUDING THE FINAL LAYER OF SURFACE COURSE:

- L- STA 18+00+/- TO 46+56.06
- Y1- STA 12+50 TO 21+40

USING LANE CLOSURES AS NEEDED INSTALL PROPOSED DRAINAGE STRUCTURES.

CONSTRUCT ADJACENT DRIVEWAYS AND SIDE ROADS, AND ALL CHANNELIZATION CURB AS SHOWN ON PLANS (SEE ROADWAY PLANS)

MAINTAIN PEDESTRIAN ACCESS DURING SIDEWALK CONSTRUCTION AS FOLLOWS:

A. MAINTAIN ACCESS ON THE EXISTING SIDEWALK ON THE LEFT SIDE OF PINEWOOD DR. AND THE LEFT SIDE OF HIGHLANDS AVE.

CONSTRUCT PROPOSED SIDEWALK ON THE RIGHT SIDE OF PINEWOOD DR. AND THE LEFT SIDE OF HIGHLANDS AVE. (PLACE ADA COMPLIANT BARRICADES TO CLOSE PROPOSED SIDEWALK UNTIL COMPLETE.)

B. INSTALL TEMPORARY HI-VIZ CROSSWALK AT -L- STA. 23+70 +/- AND WARNING SIGNS (SEE TMP-5) AND OPEN THE PROPOSED SIDEWALKS ON THE RIGHT SIDE OF PINEWOOD DR. AND THE LEFT SIDE OF HIGHLANDS AVE. (PLACE ADA COMPLIANT BARRICADES TO CLOSE EXISTING SIDEWALK.)

COMPLETE REMAINING PROPOSED SIDEWALK. (PLACE ADA COMPLIANT BARRICADES TO CLOSE PROPOSED SIDEWALK UNTIL COMPLETE.)

CONSTRUCT THE RETAINING WALL FROM -L- STA 28+75 TO 31+50.
THE CONTRACTOR IS TO PROTECT WORK AREA WHEN NOT USING FLAGGERS BY PLACING WATER FILLED BARRIER DIRECTED BY THE ENGINEER.
SEE TMP-5 & TMP-6. SEE NCDOT RDY STD DRAWING 1101.02, SHEET 1 OF 19 AND 1101.04.

USING TEMPORARY LANE CLOSURES AND FLAGGERS AS NEEDED, PLACE TEMPORARY PAVEMENT MARKINGS AND PLACE ALL TRAFFIC INTO THE NEW TRAFFIC PATTERN.

SEE TMP-7 & TMP-8. SEE NCDOT RDY STD DRAWING 1101.02, SHEET 1 OF 19.

PHASE II

USING TEMPORARY LANE CLOSURES AND FLAGGERS PLACE THE FINAL LAYER OF SURFACE COURSE AS FOLLOWS:
-L- STA 11+80 TO 46+56.06
-Y- STA 12+40 TO 14+94.41
-Y1- STA 12+50 TO 21+40

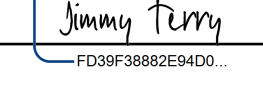
PLACE THE SPITTER ISLANDS AT THE ROUNDABOUT AND THE ISLAND AT US 321.

USING TEMPORARY LANE CLOSURES AND FLAGGERS PLACE THE FINAL PAVEMENT MARKINGS AS SHOWN IN PAVEMENT MARKING PLANS.

SEE TMP-9. SEE NCDOT RDY STD DRAWING 1101.02, SHEET 1 OF 19.

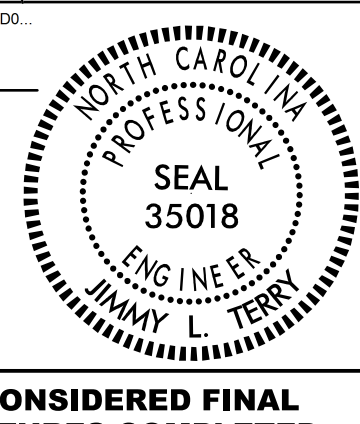
REMOVE ALL TRAFFIC CONTROL DEVICES AND OPEN ALL ROADS TO TRAFFIC.

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User: smelvin

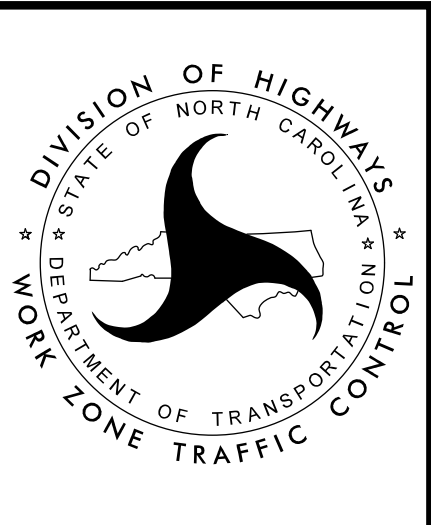
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DESIGNED BY
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DATE: 1/11/2024

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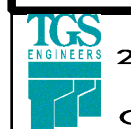


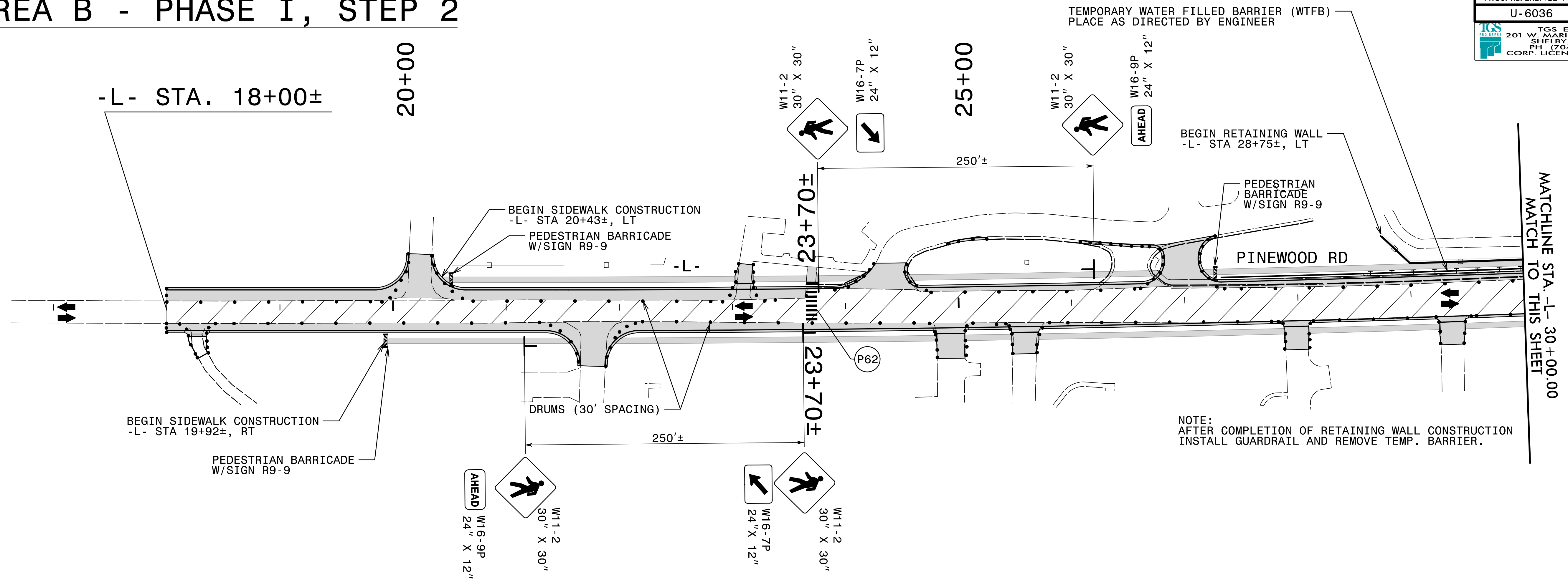
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UNLESS ALL SIGNATURES COMPLETED**



PHASING NOTES

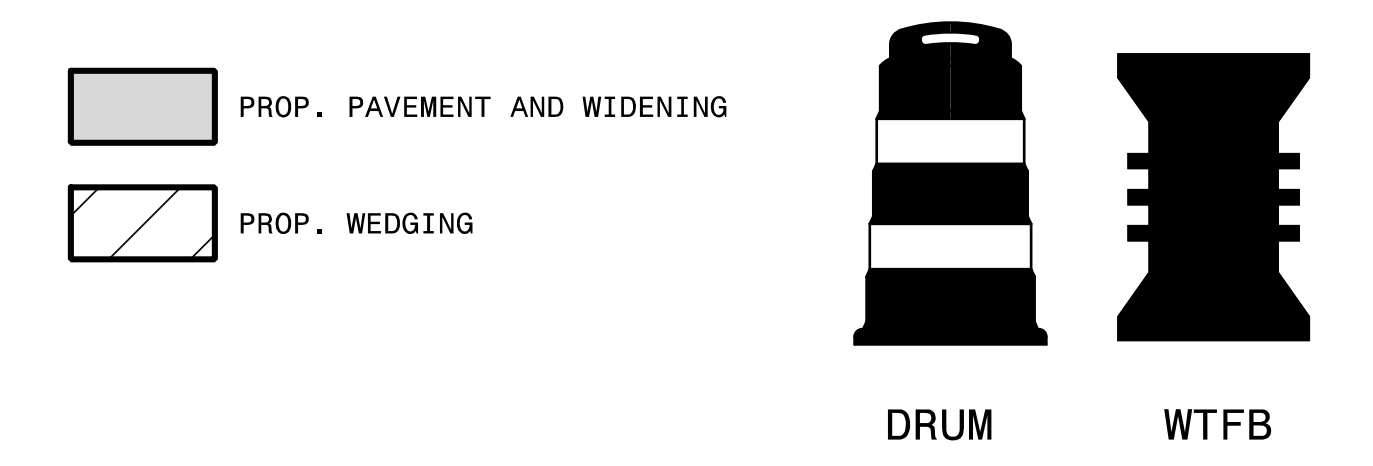
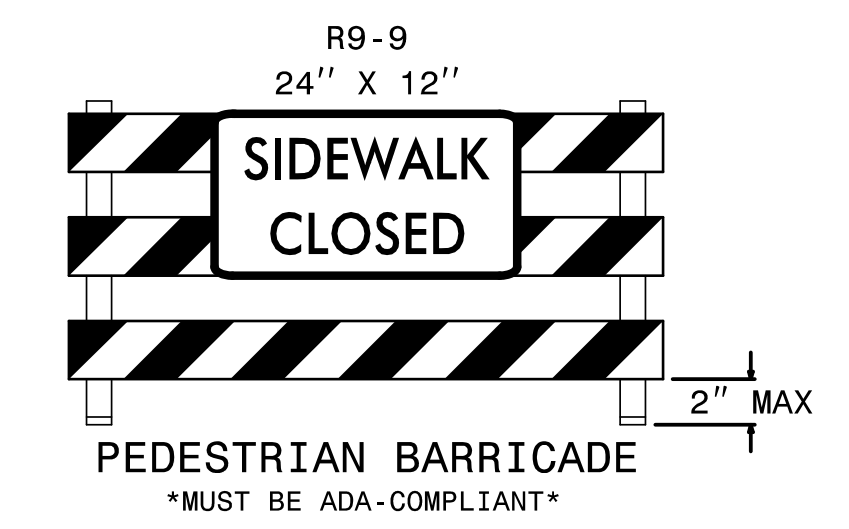
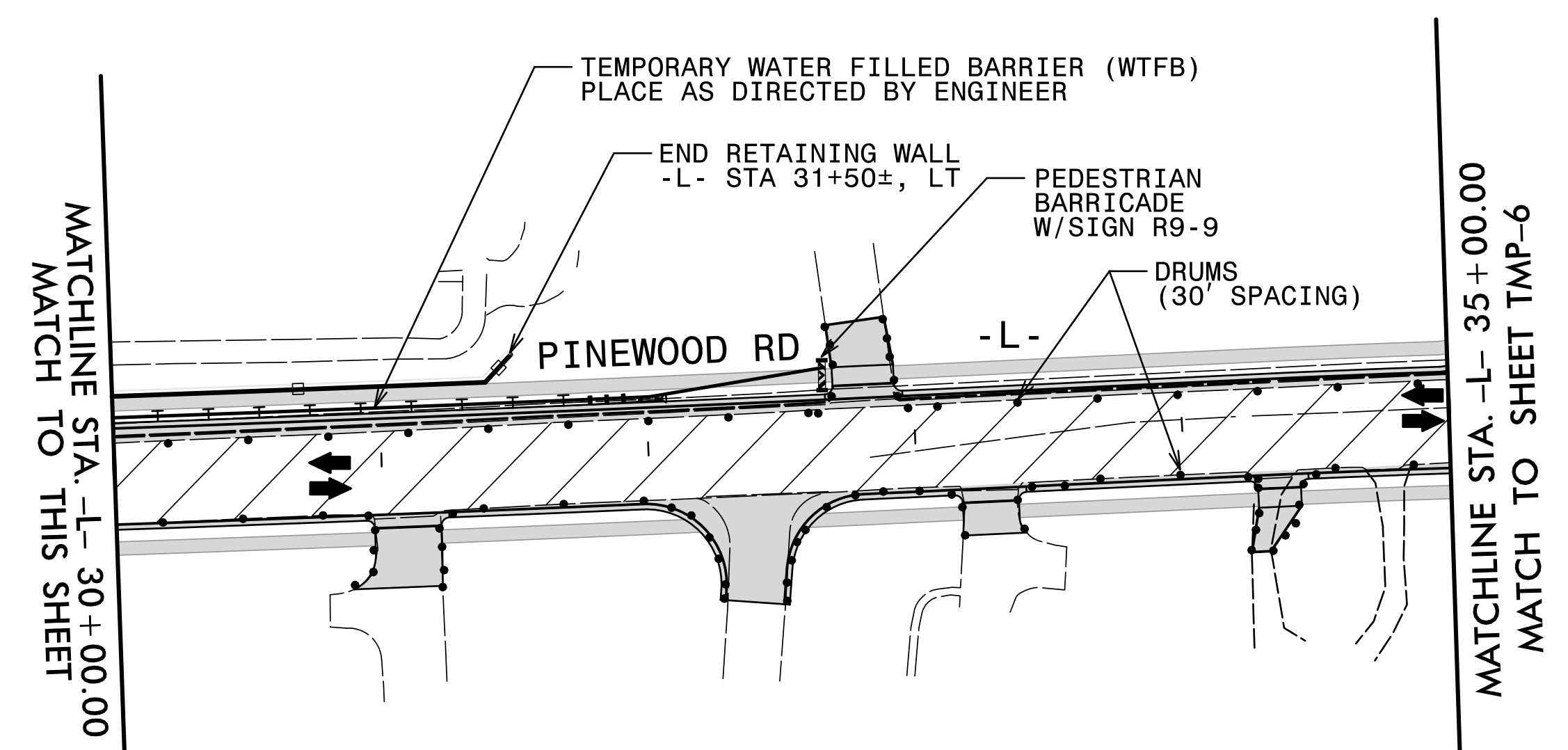
AREA B - PHASE I, STEP 2

PROJ. REFERENCE NO.	SHEET NO.
U-6036	TMP-5
 TGS ENGINEERS 201 W. MARION ST. STE 200 SHELBY, NC 28150 PH (704) 476-0003 CORP. LICENSE NO.: C-0275	

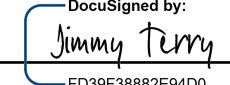


NOTE:
 AFTER COMPLETION OF RETAINING WALL CONSTRUCTION
 INSTALL GUARDRAIL AND REMOVE TEMP. BARRIER.

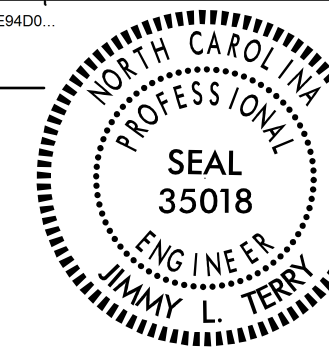
NOTE:
 USE ADA COMPLIANT PEDESTRIAN BARRICADES TO CLOSE PROPOSED SIDEWALKS
 UNTIL CONNECTIVITY IS ACHIEVED AND READY TO ACCEPT PEDESTRIANS.



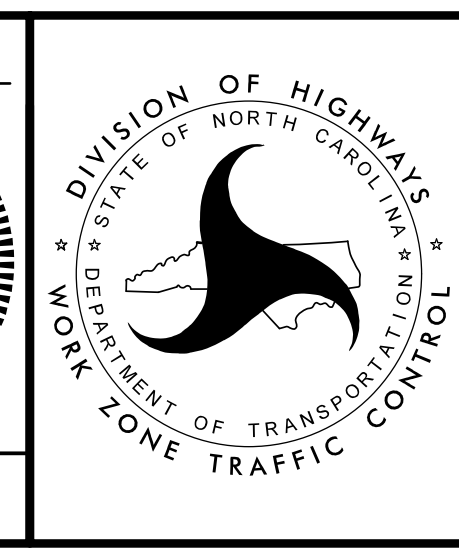
SEE SHEET TMP-1A FOR TEMPORARY PAVEMENT MARKING SCHEDULE.

APPROVED: 
 DATE: 1/16/2024

SEAL



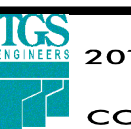
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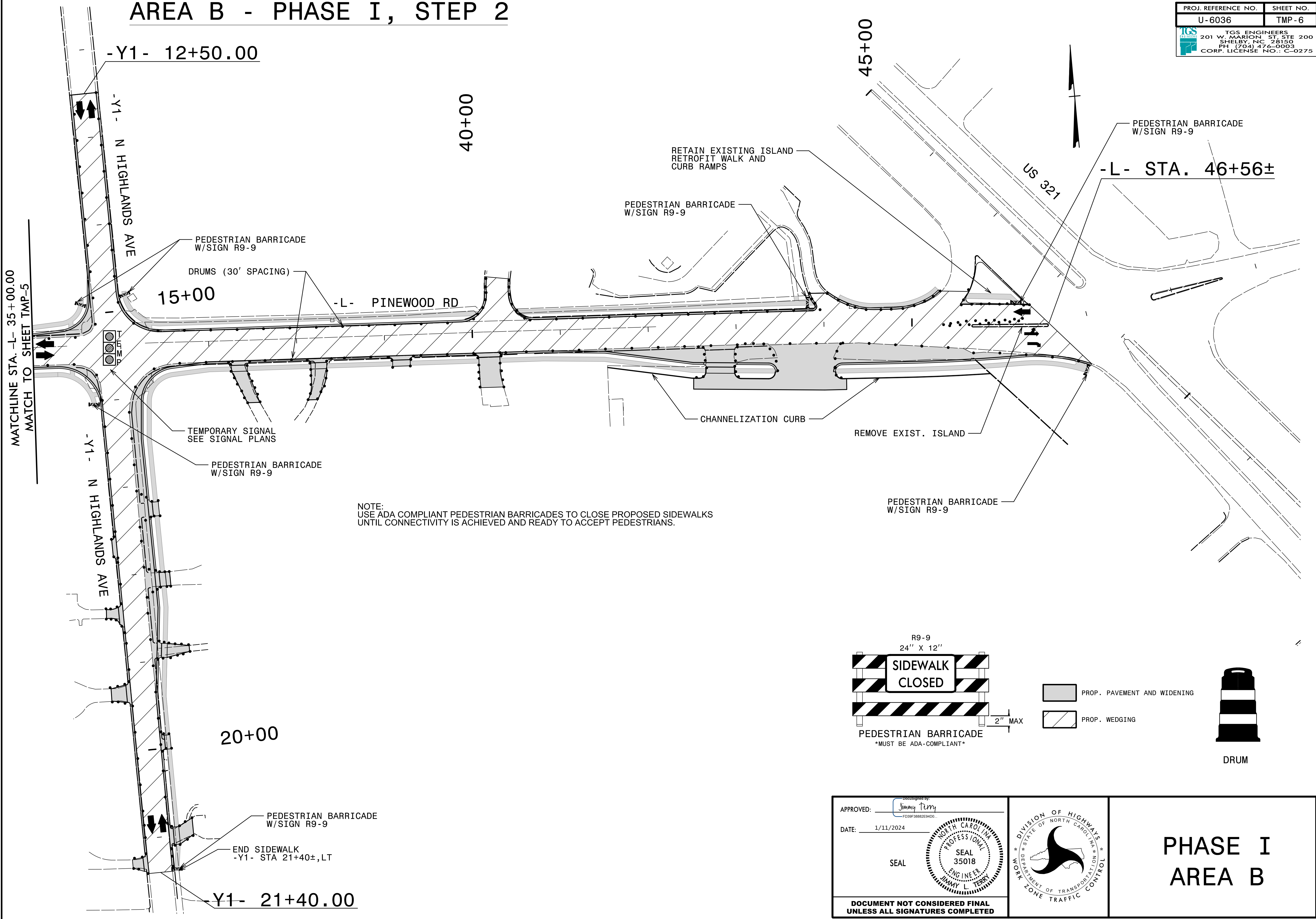


PHASE I AREA B

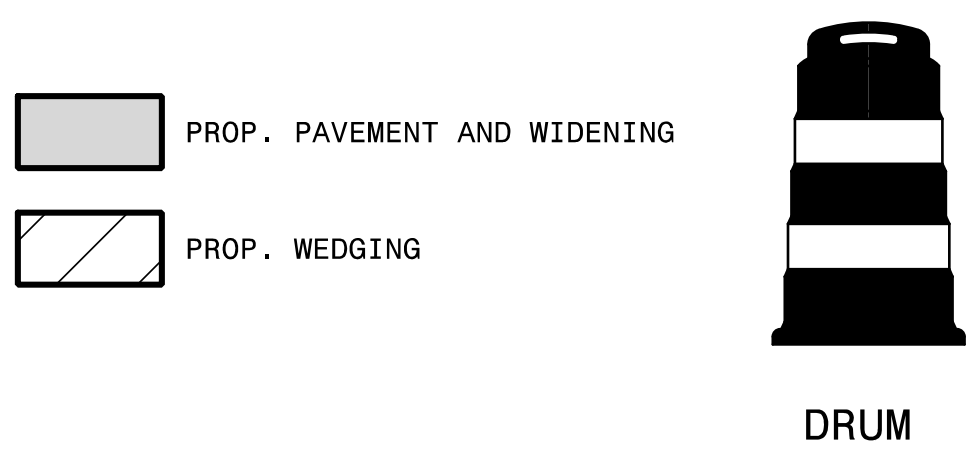
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 User: jsmelvin

AREA B - PHASE I, STEP 2

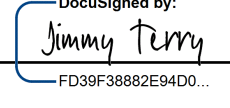
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U-6036	TMP-6
 TGS ENGINEERS 201 W. MARION ST. STE 200 SHELBY, NC 28150 PH: (704) 476-0003 CORP. LICENSE NO.: C-0275	



NOTE:
 USE ADA COMPLIANT PEDESTRIAN BARRICADES TO CLOSE PROPOSED SIDEWALKS
 UNTIL CONNECTIVITY IS ACHIEVED AND READY TO ACCEPT PEDESTRIANS.

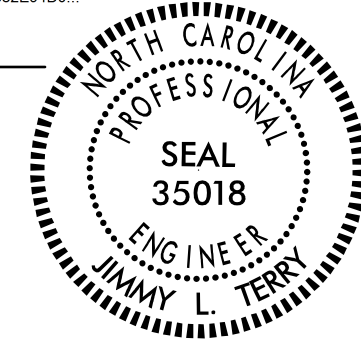
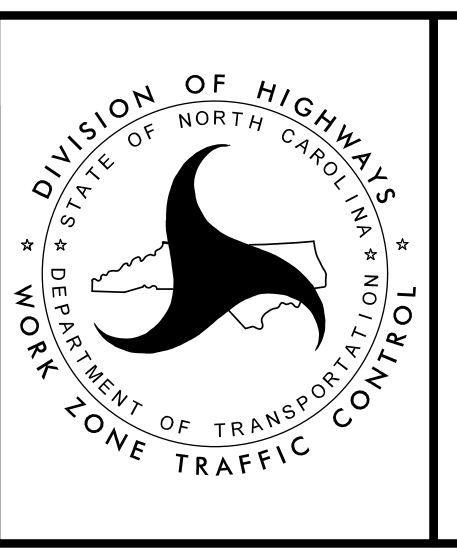


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APPROVED: 
Discussed by: Jimmy Terry
 F039F3882E94DD

DATE: 1/11/2024

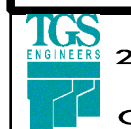
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PHASE I AREA B

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 UNLESS ALL SIGNATURES COMPLETED**

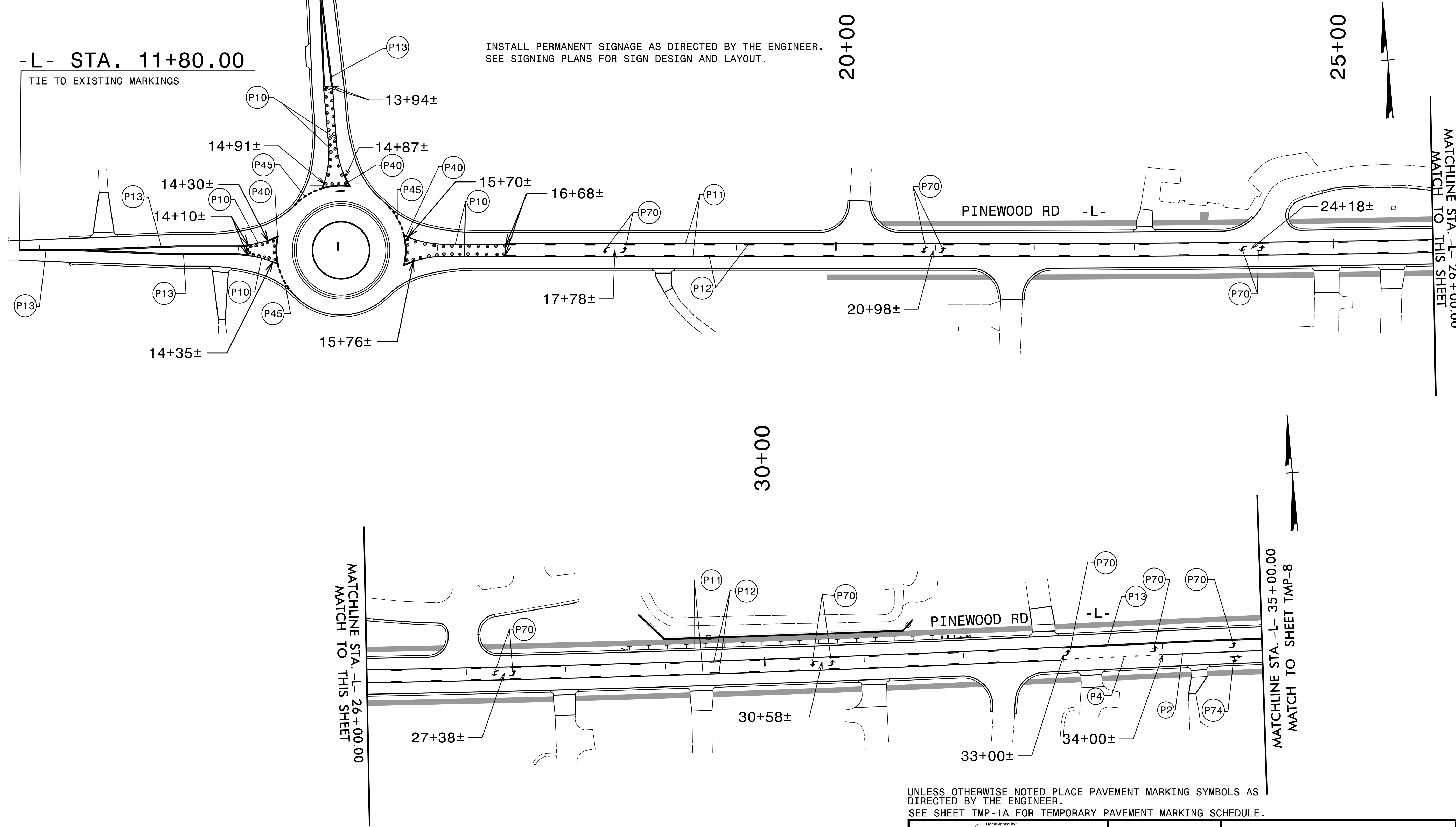
PHASE I, (TEMPORARY PAVEMENT MARKINGS)

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

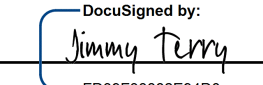
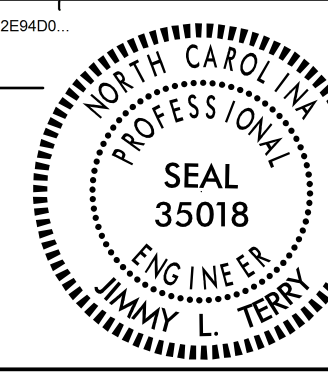
-Y- STA. 12+40.00
TIE TO EXISTING MARKINGS

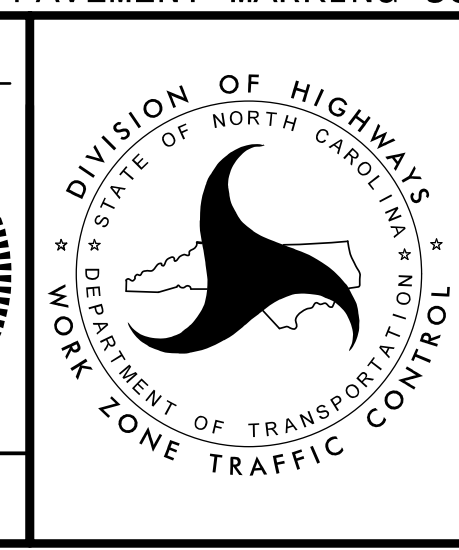
-L- STA. 11+80.00
TIE TO EXISTING MARKINGS

INSTALL PERMANENT SIGNAGE AS DIRECTED BY THE ENGINEER.
SEE SIGNING PLANS FOR SIGN DESIGN AND LAYOUT.



UNLESS OTHERWISE NOTED PLACE PAVEMENT MARKING SYMBOLS AS DIRECTED BY THE ENGINEER.
SEE SHEET TMP-1A FOR TEMPORARY PAVEMENT MARKING SCHEDULE.

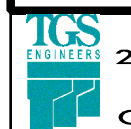
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 DATE: 1/11/2024
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 UNLESS ALL SIGNATURES COMPLETED

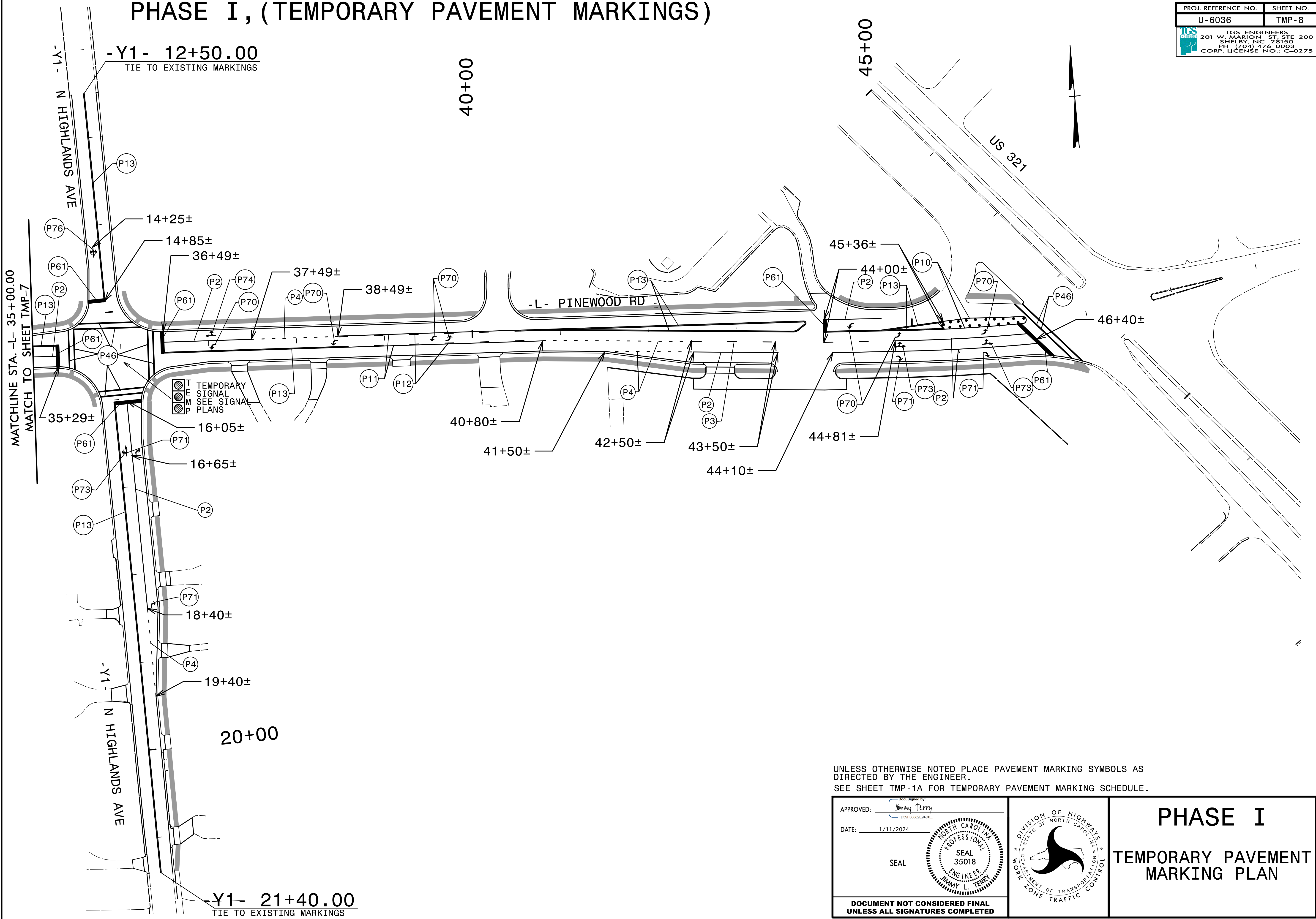


PHASE I
TEMPORARY PAVEMENT MARKING PLAN

1/11/2024
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PHASE I, (TEMPORARY PAVEMENT MARKINGS)

PROJ. REFERENCE NO.	SHEET NO.
U-6036	TMP-8
 TGS ENGINEERS 201 W. MARION ST. STE 200 SHELBY, NC 28150 PH: (704) 476-0003 CORP. LICENSE NO.: C-0275	



MATCHLINE STA. -L- 35+00.00
MATCH TO SHEET TMP-7

-Y1- 12+50.00
TIE TO EXISTING MARKINGS

40+00

45+00




US 321

-L- PINEWOOD RD

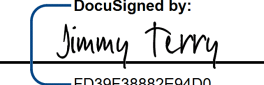
-Y1- N HIGHLANDS AVE

20+00

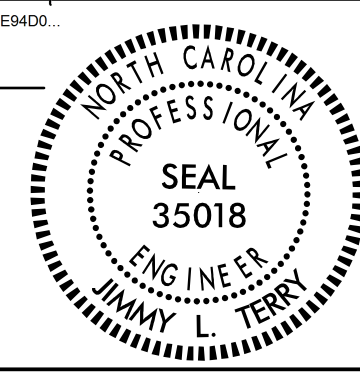
Y1- 21+40.00
TIE TO EXISTING MARKINGS

 TEMPORARY SIGNAL
 SEE SIGNAL PLANS
 PLANS

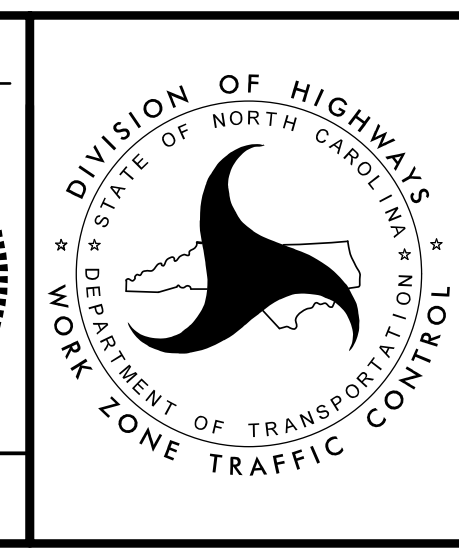
UNLESS OTHERWISE NOTED PLACE PAVEMENT MARKING SYMBOLS AS DIRECTED BY THE ENGINEER.
 SEE SHEET TMP-1A FOR TEMPORARY PAVEMENT MARKING SCHEDULE.

APPROVED: 
 DATE: 1/11/2024

SEAL



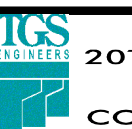
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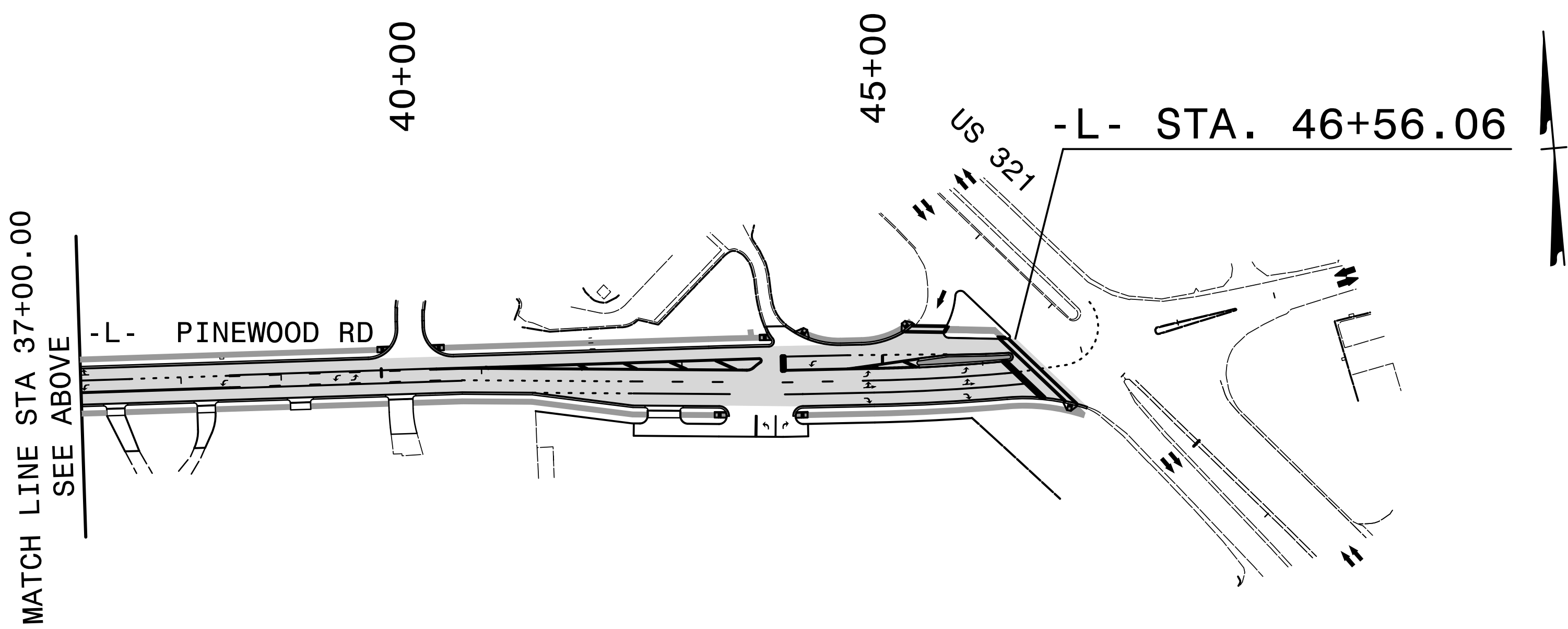
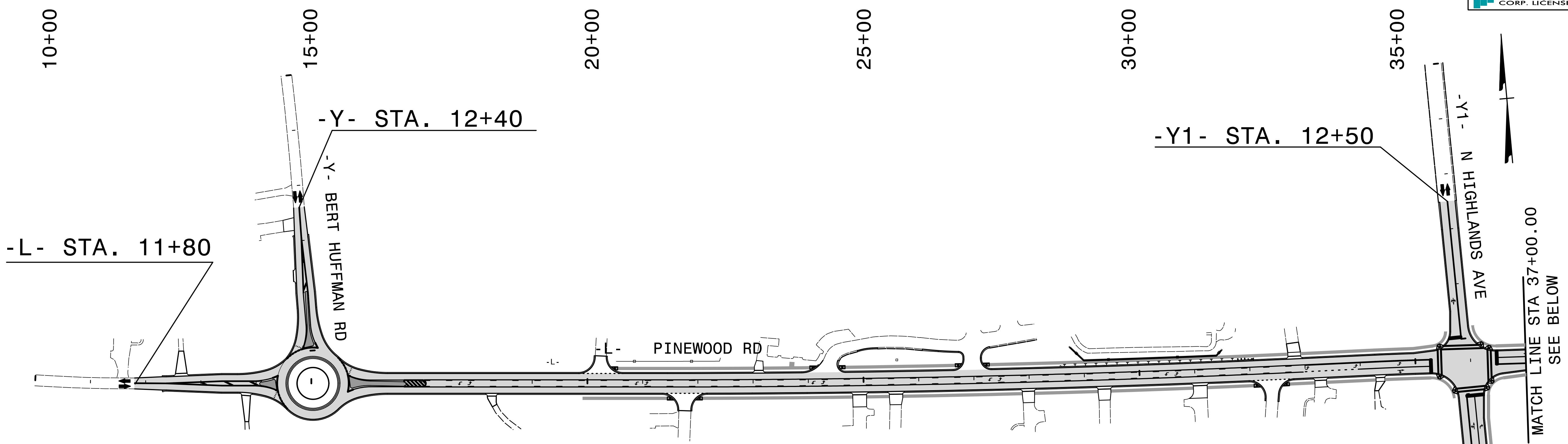


PHASE I

TEMPORARY PAVEMENT MARKING PLAN

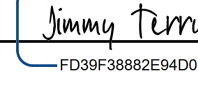
1/11/2024
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 User: jsmelvin

PROJ. REFERENCE NO.	SHEET NO.
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 TCS ENGINEERS 201 W. MARION ST. STE 200 SHELBY, NC 28150 PH: (704) 474-0003 CORP. LICENSE NO.: C-0275	

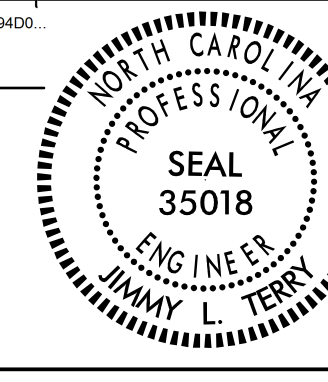


-Y1- STA. 21+40

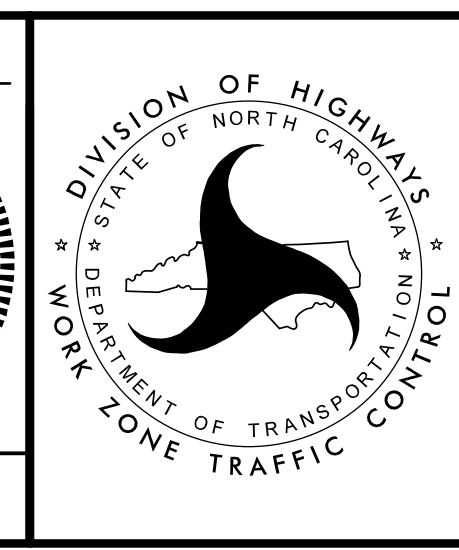
SEE PAVEMENT MARKING PLANS FOR FINAL PAVEMENT MARKING SCHEDULE AND LAYOUT.

APPROVED: 
DocuSigned by: Jimmy Terry
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DATE: 1/11/2024



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



PHASE II

1/11/2024
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