

INDEX OF SHEETS

TITLE

TITLE SHEET, AND INDEX OF SHEETS LIST OF APPLICABLE ROADWAY STANDARD DRAWINGS, AND LEGEND TRANSPORTATION OPERATIONS PLAN: (MANAGEMENT STRATEGIES, GENERAL NOTES AND LOCAL NOTES)

TEMPORARY TRAFFIC CONTROL PHASING

TEMPORARY SHORING NOTES

- TEMPORARY TRAFFIC CONTROL PHASE I DETAIL
- TEMPORARY TRAFFIC CONTROL PHASE II DETAIL
- TEMPORARY PORTABLE TRAFFIC SIGNAL DESIGN

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DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED

Prepared in the Office of: JOHNSON, MIRMIRAN, & THOMPSON, INC. 1318 Patton Avenue, Suite F, Asheville NC, 28806

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SHEET NO.

TMP-1

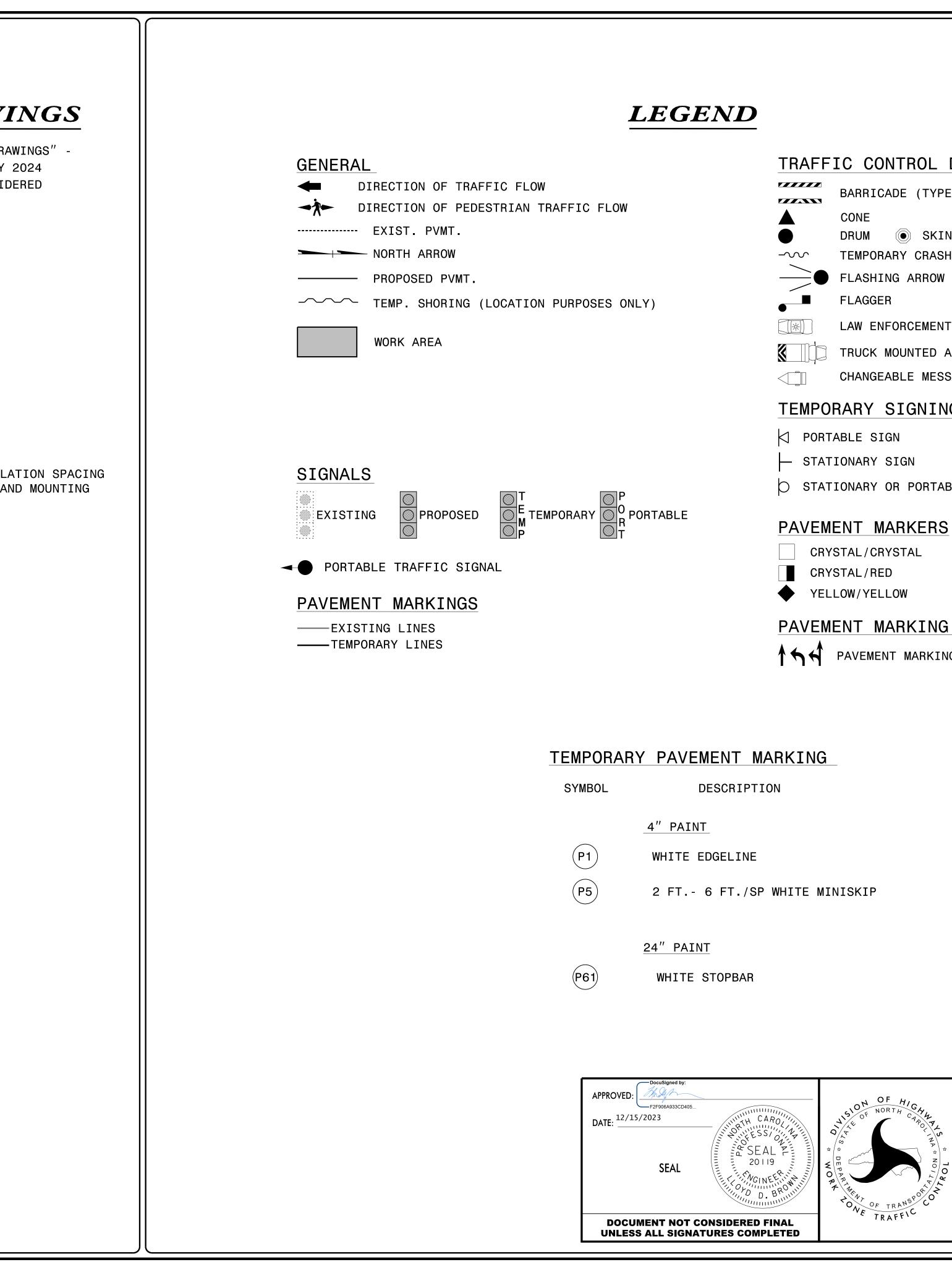
ROADWAY STANDARD DRAWINGS

THE FOLLOWING ROADWAY STANDARDS AS SHOWN IN "ROADWAY STANDARD DRAWINGS" -N.C. DEPARTMENT OF TRANSPORTATION - RALEIGH, N.C., DATED JANUARY 2024 ARE APPLICABLE TO THIS PROJECT AND BY REFERENCE HEREBY ARE CONSIDERED A PART OF THESE PLANS:

STD. NO.

TITLE

1101.01	WORK ZONE ADVANCE WARNING SIGNS
1101.02	TEMPORARY LANE CLOSURES
1101.03	TEMPORARY ROAD CLOSURES
1101.05	WORK ZONE VEHICLE ACCESSES
1101.06	WARNING SIGNS FOR BLASTING ZONES
1101.11	TRAFFIC CONTROL DESIGN TABLES
1110.01	STATIONARY WORK ZONE SIGNS
1110.02	PORTABLE WORK ZONE SIGNS
1130.01	DRUM
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1145.01	BARRICADES
1150.01	FLAGGING DEVICES
1205.01	PAVEMENT MARKINGS - LINE TYPES AND OFFSETS
1261.01	GUARDRAIL AND BARRIER DELINEATORS - INSTALLA
1261.02	GUARDRAIL AND BARRIER DELINEATORS - TYPES AN
1262.01	GUARDRAIL END DELINEATION



		PROJ. REFERENCE NO.	SHEET NO.
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TRAFF	IC CONTROL DEVICES		
	BARRICADE (TYPE III)		
	CONE		
	DRUM 🔘 SKINNY DRUM 🎯	TUBULAR MARKER	
-~~	TEMPORARY CRASH CUSHION		
	FLASHING ARROW BOARD		
	FLAGGER		
	LAW ENFORCEMENT		
	TRUCK MOUNTED ATTENUATOR (TM	IA)	
	CHANGEABLE MESSAGE SIGN		
TEMPO	RARY SIGNING		
	ABLE SIGN		
⊨ stat	IONARY SIGN		
b stat	IONARY OR PORTABLE SIGN		
•			
PAVEM	ENT MARKERS		
CRY	STAL/CRYSTAL		
CRY	STAL/RED		
YEL	LOW/YELLOW		
PAVEM	ENT MARKING SYMBOLS		

PAVEMENT MARKING SYMBOLS

ROADWAY STANDARD DRAWINGS & LEGEND

		D DETAILS,	AND ROADWAY DETA	SIONS IN THE DETAIL AILS ARE NOT ATTAINAE CATE OR UNDESIRED
	OVERLAPPING OF DE SUPPLEMENTING, CO ENGINEER.			NCLUDE: MOVING, CES AS DIRECTED BY TH
		PROJECT EX	CEPT WHEN OTHERWI	MES FOR THE DURATION ISE NOTED IN THE PLAN
TIME	E RESTRICTIONS			
A)	DO NOT STOP TRAFFI	C AS FOLLO	WS:	
	ROAD NAME		DAY AND TIME RESTRICTIONS	DURATION AND OPERATION
	SR 1332 WATERVILLE RD	MON-SUN MON-SUN (THE FOL	9 A.M. TO 4 P.M 4 P.M. TO 9 A.M LOWING MORNING)	A. ≤30 MINUTES A. DO NOT STOP
	NOTE: OPERATIONS AND UTILITY TRAFFIC SHI	(OPEN-CUT	•	CEMENT, DRAINAGE _ CONSTRUCTION, AND
	SR 1332 WATERVILLE RD	MON-SUN	9 A.M. TO 4 P.M	
			4 P.M. TO 9 A.M LOWING MORNING)	ROCK BLASTING 1. DO NOT STOP
LAN	E AND SHOULDER CLOS	,		
B)		THE LANE C	LOSURE OR WHEN A	HEN WORK IS NOT BEING LANE CLOSURE IS NO R.
C)	OPEN TRAVEL LANE,	CLOSE THE NO. 1101.0	NEAREST OPEN SHO 4 UNLESS THE WORK	WITHIN 15 FT OF AN DULDER USING ROADWAY K AREA IS PROTECTED B NSTALLED.
))	•	DIVIDED FA CLOSE THE NO. 1101.0	CILITY AND WITHIN NEAREST OPEN TRA	
E)	OF AN UNDIVIDED O THE TRAFFIC CONTR	R DIVIDED OL PLANS, CONDUCT T	FACILITY, CLOSE ROADWAY STANDARD HE WORK SO THAT A	WITHIN A LANE OF TRA THE LANE ACCORDING DRAWINGS, OR AS DIRE ALL PERSONNEL AND/OR ANE.
F)		OR LOOP WI		BOTH SIDES OF AN OPER CATION UNLESS PROTEC
PAVE	EMENT EDGE DROP OFF	REQUIREME	NTS	
G)		ADJACENT	TO AN OPENED TRAV	ELEVATION OF EXISTING /EL LANE THAT HAS AN
	BACKFILL DROP-OFF POSTED SPEED LIMI			ROADWAYS WITH
	BACKFILL DROP-OFF POSTED SPEED LIMI			ROADWAYS WITH
	BACKFILL WITH SUI ENGINEER, AT NO E		•	AS APPROVED BY THE

GENERAL NOTES / LOCAL NOTES

BLE	H)	LANES OF TRAFFIC FOR NOMI	E OF 2 INCHES IN ELEVATION BETWEEN (NAL LIFTS OF 1.5 INCHES. INSTALL A GNS (W8-11) 200' IN ADVANCE AND A M	DVANCE	TRAFFIC CONTROL DEVI
HE		OF EVERY HALF MILE THROUG		IINIMOM	Í IN WORK AREAS N
	TRAF	FIC PATTERN ALTERATIONS			THAN 45 (MPH) A GREATER THAN OF
OF N	I)	NOTIFY THE ENGINEER THIRT TRAFFIC PATTERN ALTERATIO	Y (30) CALENDAR DAYS PRIOR TO ANY		AND 3 FT OFF TH SPECIFICATIONS 1135 (CONES) AN
	SIG	IING			0) PLACE TYPE III ATTACHED, OF SU
	J)		WARNING SIGNS WHEN WORK IS WITHIN AVEL LANE AND NO MORE THAN THREE INNING OF CONSTRUCTION.		PAVEMENT MARKINGS
	K)		ING IS IN PLACE PRIOR TO ALTERING A	NY	P) INSTALL TEMPORA ON INTERIM LAYE
	TRAF	FIC BARRIER			ROAD NAME
	L)	INSTALL TEMPORARY BARRIER	ACCORDING TO THE TRANSPORTATION		SR 1332 (WATERVILLE ROAD)
		WORK IN ANY LOCATION. ONC LOCATION PROCEED IN A CON	M OF TWO (2) WEEKS PRIOR TO BEGINNI E TEMPORARY BARRIER IS INSTALLED AT TINUOUS MANNER TO COMPLETE THE PROP ESS OTHERWISE STATED IN THE TRANSPO RECTED BY THE ENGINEER.	ANY DSED	Q) PLACE ONE APPLI PLACE A SECOND INITIAL APPLICA ENGINEER.
		DO NOT PLACE BARRIER DIRE CONCRETE.	CTLY ON ANY SURFACE OTHER THAN ASPH	ALT OR	R) TIE PROPOSED PA LINES.
		PERFORMED BEHIND THE TEMP TWO (2) MONTHS, REMOVE/RE DEPARTMENT UNLESS OTHERWI	INSTALLED AT ANY LOCATION AND NO WOORARY BARRIER FOR A PERIOD LONGER TO SET TEMPORARY BARRIER AT NO COST TO SE STATED IN THE TRANSPORTATION MAN	HAN THE AGEMENT	S) REMOVE/REPLACE BY THE END OF E
G		PLANS, TEMPORARY BARRIER THE ENGINEER.	IS PROTECTING A HAZZARD, OR AS DIRE	CTED BY	MISCELLANEOUS
		UPSTREAM SIDE OF TRAFFIC.	WITH THE TRAFFIC FLOW BEGINNING WI REMOVE TEMPORARY BARRIER AGAINST T TH THE DOWNSTREAM SIDE OF TRAFFIC.		T) IN THE EVENT A TIE-IN AREA TO THE ENGINEER. AND BLACK ON OF
BY		LIMIT (MPH) TO CLOSE OR K	O GREATER THAN TWICE THE POSTED SPE EEP THE SECTION OF THE ROADWAY CLOS ER CAN BE PLACED OR AFTER THE TEMPO	ED	200 FT RESPECTI TO DELINEATE TH
WAY BY AVEL	M)	ALL TIMES DURING THE INST	OF MOVABLE/PORTABLE CONCRETE BARRIE ALLATION AND REMOVAL OF THE BARRIER TENUATOR (MAXIMUM 72 HOURS) OR A		
TO ECTED		ONCOMING TRAFFIC AT ALL T THE APPROACH END OF MOVAB	OF MOVABLE/PORTABLE CONCRETE BARRIE IMES BY A TEMPORARY CRASH CUSHION U LE/PORTABLE CONCRETE BARRIER IS OFF FOLLOWS OR AS SHOWN IN THE PLANS:	NLESS	- PHASE I DEPICTS TRAF TO ONE-LANE TWO-WAY
N TED		POSTED SPEED LIMIT 40 OR LESS	MINIMUM OFFSET 15 FT		MARKINGS WHILE THE S THE FINAL LAYER OF S
		45 - 50 55 60 MPH OR HIGHER	20 FT 25 FT 30 FT		PHASE 2 DEPICTS TRAF ONE-LANE TWO-WAY PAT
G	LO	CAL NOTES:			MARKINGS WHILE THE N THE FINAL LAYER OF S
	1)	EMERGENCY VEHICLE ACCESS	MUST BE MAINTAINED AT ALL TIMES.	·	CONSTRUCT THE NEW T
	2)	NOTIFY THE HAYWOOD COUNTY	/ SCHOOL BOARD (828-456-2421) AND DAYS BEFORE ANY LANE CLOSURES.	APPROVED:	DocuSigned by: F2F906A933CD405 024
	3)	ALONG THE EDGE OF CREEK A	ON AHEAD" (W21-81) WARNING SIGNS AND RIVER AS DIRECTED BY THE LE RIVER USERS OF WORK BEING DONE.		SEAL SEAL P
	4)	THE RIVER AND WILL HALT W	ND SUSPEND ALL OVERHEAD WORK		MENT NOT CONSIDERED FINAL ALL SIGNATURES COMPLETED

	PROJ. REFERENCE NO.	SHEET NO.			
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ITROL DEVICES					
ANE CLOSURES ARE NOT IN EFFECT SPACE CHAN K AREAS NO GREATER THAN 40 FEET FOR POSTE 5 (MPH) AND NO GREATER THAN 80 FEET FOR PO R THAN OR EQUAL TO 45 (MPH) EXCEPT, 10 FT FT OFF THE EDGE OF AN OPEN TRAVELWAY. RE FICATIONS FOR ROADS AND STRUCTURES SECTION CONES) AND 1180 (SKINNY DRUMS) FOR ADDITI	D SPEED LIMITS L OSTED SPEED LIMI ON-CENTER IN RA FER TO STANDARD S 1130 (DRUMS),	ESS TS DII,			
TYPE III BARRICADES, WITH "ROAD CLOSED" S IED, OF SUFFICIENT LENGTH TO CLOSE ENTIRE					
RKINGS					
L TEMPORARY PAVEMENT MARKINGS ERIM LAYERS OF PAVEMENT AS FOLLOWS:					
IAME MARKING	_	MARKER			
B32 PAINT LE ROAD)		NONE			
ONE APPLICATION OF PAINT FOR TEMPORARY TRAFFIC PATTERNS. A SECOND APPLICATION OF PAINT SIX (6) MONTHS AFTER THE L APPLICATION AND EVERY SIX MONTHS AS DIRECTED BY THE ER.					
OPOSED PAVEMENT MARKING LINES TO EXISTING	PAVEMENT MARKIN	G			
F/REPLACE ANY CONFLICTING/DAMAGED PAVEMENT E END OF EACH DAY'S OPERATION.	MARKINGS				
DUS					
E EVENT A TIE-IN CANNOT BE MADE IN ONE DAY AREA TO AN APPROPRIATE ROADWAY ELEVATION GINEER. PLACE BLACK ON ORANGE "LOOSE GRA ACK ON ORANGE "PAVEMENT ENDS" SIGNS (W8-3 RESPECTIVELY IN ADVANCE OF THE UNEVEN AR INEATE THE EDGE OF ROADWAY ALONG UNPAVED	AS DETERMINED B VEL" SIGNS (W8-7) 100 FT AND EAS. USE DRUMS	Y			

MANAGEMENT STRATEGIES

PICTS TRAFFIC TO BE MAINTAINED ON THE EXISTING ROAD, BUT REDUCED E TWO-WAY PATTERN USING TEMPORARY PORTABLE SIGNALS AND PAVEMENT HILE THE SB PROPOSED ROADWAY IS CONSTRUCTED, BUT NOT INCLUDING LAYER OF SURFACE COURSE.

PICTS TRAFFIC SHIFTED TO THE PARTIALLY CONSTRUCTED ROADWAY ON A WO-WAY PATTERN USING TEMPORARY PORTABLE SIGNALS AND PAVEMENT HILE THE NB PROPOSED ROADWAY IS CONSTRUCTED, BUT NOT INCLUDING LAYER OF SURFACE COURSE. A FLAGGING OPERATION WILL BE USED TO THE NEW TIE-INS.



TRANSPORTATION OPERATIONS PLAN _____

		CTION OF BRIDGE 175 IS FROM DATE OF AVAILABILITY AS _L BE COMPLETED AS SHOWN ON THE PLANS.
BRID DURI	GE NG	TRUCTION ACTIVITIES SHALL BE ALLOWED BETWEEN MAY 15 174, APPROACHES TO BRIDGE 174, OR ON THE ROCK NAIL N THE SUMMER MONTHS ADJACENT TO BRIDGE 174. CONSTRUC LL BE COMPLETED AS SHOWN IN THE PLANS.
NOTE TO CONTRACT	OR:	SEE CONTRACT FOR ICT'S, LIQUIDATED DAMAGES, AND CON
PHAS	SE	Ι
NOTE:		STEPS 1 THROUGH 4 SHALL BE COMPLETED DURING "PROJE
STEP 1:	-	ERECT WORK ZONE ADVANCED WARNING SIGNS USING DETAI USING ROADWAY STANDARD DRAWINGS NO. 1101.01, SHEET
	-	USING ROADWAY STANDARD DRAWINGS NO. 1101.02, SHEET SIGNALS AS REQUIRED IN THE SIGNAL PLANS (SEE SHEET
NOTE:		STEP 2 SHALL BE COMPLETED IN A CONTINUOUS OPERATIO
STEP 2:	-	USING ROADWAY STANDARD DRAWINGS NO. 1101.02, SHEET NECESSARY, PERFORM THE FOLLOWING ON SR 1332:
	-	CLOSE PEDESTRIAN ACCESS TO PROJECT NEAR -L- STA. 1 (SEE SHEET TMP-3). PEDESTRIAN ACCESS SHALL REMAIN CONSTRUCTION.
	-	REMOVE AS NECESSARY EXISTING PAVEMENT MARKINGS, AN (PAINT), (SEE SHEET TMP-3).
	-	ACTIVATE PORTABLE TRAFFIC SIGNALS AND DIRECT SR 13 INTO A ONE-LANE TWO-WAY PATTERN IN THE EXISTING NO (WATERVILLE RD) (SEE SHEET TMP-3).
NOTE:		AS NECESSARY, SET ALL SIGNALS TO RED FOR OPERATION
STEP 3:	-	INSTALL TEMPORARY GUARDRAIL FROM -L- STA. 11+07 +/ TMP-3).
	_	INSTALL TEMPORARY SHORING BEHIND TEMPORARY GUARDRA -L- STA. 11+71 +/- AND FROM -L- STA. 12+90 +/- TO (SEE SHEET TMP-3).
	-	REMOVE EXISTING BRIDGE RAIL (LEFT SIDE) AND A PORT WALLS ON BRIDGE 174 (SEE SHEET TMP-3 AND STRUCTURE
NOTE:		AS NECESSARY, USE ROADWAY STANDARD DRAWING NO. 110 ADVANCED WARNING SIGNS FOR BLASTING ZONE.
STEP 4:	-	CONSTRUCT RETAINING WALL AND SINGLE FACED CONCRETE
	-	CONSTRUCT DRAINAGE PER ROADWAY PLANS.
	-	CONSTRUCT STRUCTURE PER STAGE 1 OF THE STRUCTURE P
NOTE:		CONTRACTOR SHALL REMOVE FROM BRIDGE PROJECT HAYWOO DEVICES, AND/OR MATERIALS REQUIRED FOR CONSTRUCTIO BETWEEN THE DATES OF MAY 15TH AND SEPTEMBER 15TH O TRAFFIC CONTROL DEVICES SHALL BE MAINTAINED AT ALL
NOTE:		STEP 5 MAY BE COMPLETED AT THE BEGINNING OF ANY YE
STEP 5:	-	CONSTRUCT -L- (SR 1332 WATERVILLE ROAD) FROM STA 1

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AS SHOWN IN THE CONTRACT		
15TH AND SEPTEMBER 15TH FOR WORK ON IL WALL DUE TO RAFTING ACTIVITIES RUCTION OF THE ROCK NAIL WALL AND BRIDGE		
CONTRACT PROVISIONS FOR HAYWOOD 174.		
PROJECT PHA	SING	
	PHASE	II
OJECT SEQUENCING STEP 2"	NOTE:	STEP 1 SHALL BE COMPLETED IN A CONTINUOUS OPERATION. MAINTAIN PEDESTRIAN CLOSURES AS PLACED IN PHASE I.
TAIL DRAWINGS FOR WORK ZONE SIGNS IEET 3 OF 3.	STEP 1:	USING ROADWAY STANDARD DRAWINGS NO. 1101.02, SHEET 1 OF 19, AND FLAGGERS AS NECESSARY, PERFORM THE FOLLOWING ON SR 1332:
EET 17 OF 19, INSTALL PORTABLE TRAFFIC EET SIG-1).	-	PERFORM NECESSARY WEDGING OF EXISTING PAVEMENT SURFACE FROM -L- STA. 10+45 +/- TO -L- STA. 10+95 +/- AND FROM -L- STA. 13+90 +/- TO -L- STA. 14+40 +/- (SEE ROADWAY PLANS).
TION.	<u>-</u>	RESET TEMPORARY GUARDRAIL FROM -L- STA. 11+07 +/- TO -L- STA. 13+40 +/- (SEE SHEET TMP-4).
EET 1 OF 19, AND FLAGGERS AS	-	REMOVE AS NECESSARY EXISTING PAVEMENT MARKINGS, AND PLACE TEMPORARY PAVEMENT MARKINGS (PAINT), (SEE SHEET TMP-4).
. 10+25 AND -L- STA. 15+50. IN CLOSED FOR THE DURATION OF	-	ACTIVATE PORTABLE TRAFFIC SIGNALS AND DIRECT SR 1332 (WATERVILLE ROAD) TRAFFIC INTO A ONE-LANE TWO-WAY PATTERN IN THE SOUTHBOUND LANE OF SR 1332 (WATERVILLE ROAD) (SEE SHEET TMP-4).
AND PLACE TEMPORARY PAVEMENT MARKINGS	STEP 2:	AWAY FROM TRAFFIC, PERFORM THE FOLLOWING ON SR 1332:
1332 (WATERVILLE ROAD) TRAFFIC		REMOVE NORTHBOUND SIDE (RIGHT SIDE) OF EXISTING STRUCTURE (SEE STRUCTURAL PLANS).
NORTHBOUND LANE OF SR 1332		REMOVE ALL TEMPORARY SHORING PLACED IN STEP 3, PHASE I (SEE SHEET TMP-3).
IONS REQUIRING STOPPING OF TRAFFIC.		CONSTRUCT STRUCTURE PER STAGE 2 OF THE STRUCTURAL PLANS.
+/- TO -L- STA. 13+40 +/- (SEE SHEET	-	CONSTRUCT -L- (SR 1332 WATERVILLE ROAD) FROM STA 10+45 TO STA 14+40 NORTHBOUND LANE (RIGHT SIDE), BUT NOT INCLUDING THE FINAL LAYER OF SURFACE COURSE (SEE SHEET TMP-4).
DRAIL FROM -L- STA. 11+36 +/- TO TO -L- STA. 13+20 +/-	STEP 4: -	CONSTRUCT CLOSURE POUR.
ORTION OF THE EXISTING BRIDGE AND WING	STEP 5: -	AWAY FROM TRAFFIC, CONSTRUCT PROPOSED GUARDRAIL AND REMOVE TEMPORARY GUARDRAIL PLACED IN STEP 1, PHASE II.
URE PLANS). 1101.06, SHEET 1 OF 1, FOR PLACEMENT OF	STEP 6: -	USING ROADWAY STANDARD DRAWINGS NO. 1101.02, SHEET 1 OF 19, AND FLAGGERS AS NECESSARY, DEACTIVATE PORTABLE TRAFFIC SIGNALS AND REMOVE TEMPORARY PAVEMENT MARKINGS PLACED OUTSIDE THE PROJECT LIMITS.
ETE BARRIER PER WALL AND ROADWAY PLANS.	STEP 7: -	USING ROADWAY STANDARD DRAWINGS NO. 1101.02, SHEET 1 OF 19, AND FLAGGERS AS NECESSARY, PLACE FINAL LAYER OF SURFACE COURSE AND FINAL PAVEMENT MARKINGS (PAINT) ON THE ENTIRE PROJECT (SEE SHEET PMP-2).
E PLANS.	STEP 8: -	ONCE ALL REMAINING CONSTRUCTION IS COMPLETE, REMOVE ALL TEMPORARY TRAFFIC CONTROL DEVICES, AND PLACE TRAFFIC IN ITS FINAL TRAFFIC PATTERN.
WOOD 174, ANY AND ALL EQUIPMENT, TION ACTIVITIES FROM PROJECT LIMITS TH OF ANY YEAR. EROSION CONTROL AND		
ALL TIMES.		APPROVED:
YEAR. A 10+45 TO STA 14+40 SOUTHBOUND LANE OF SURFACE COURSE (SEE SHEET TMP-3).		DATE: 12/15/2023 SEAL SEAL SEAL SEAL SEAL SEAL SEAL SEAL

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ONE TRAFFIC

TEMF	PORARY SHORING LOCATION NO. 01
	STA.11+36 ±TO -L- STA. 11+71 ± TH = 35′ AVERAGE HEIGHT = 6.6
1.	"FOR TEMPORARY SHORING AND POS SHORING, SEE SHEETS 2G-1 THRU TEMPORARY SHORING PROVISION."
2.	"BEFORE BEGINNING TEMPORARY SH SURVEY EXISTING GROUND ELEVAT LOCATIONS TO DETERMINE ACTUAL
3.	"DESIGN TEMPORARY SHORING FROM 11+71 ±, FOR THE FOLLOWING AS WATER ELEVATIONS:
	 UNIT WEIGHT OF SOIL ABOV UNIT WEIGHT OF SOIL BELO FRICTION ANGLE (φ) = 30 COHESION (c) = 0 psf GROUNDWATER ELEVATION =
4.	"LIMITED SUBSURFACE INFORMATIO TEMPORARY SHORING FROM -L- ST THE INFORMATION PROVIDED FOR ASSUMED AND MAY NOT BE APPLIC ENCOUNTERED DURING CONSTRUCTI
5.	"IT MAY BE PREFERRED TO USE A TEMPORARY SHORING FROM -L- ST FOR TEMPORARY SOIL NAIL WALLS PROVISIONS."
6.	AT THE CONTRACTOR'S OPTION, US TEMPORARY SHORING FROM -L- ST

7. AT THE CONTRACTOR'S OPTION, U TEMPORARY SHORING FROM -L- ST SEE GEOTECHNICAL STANDARD DET TEMPORARY WALLS.

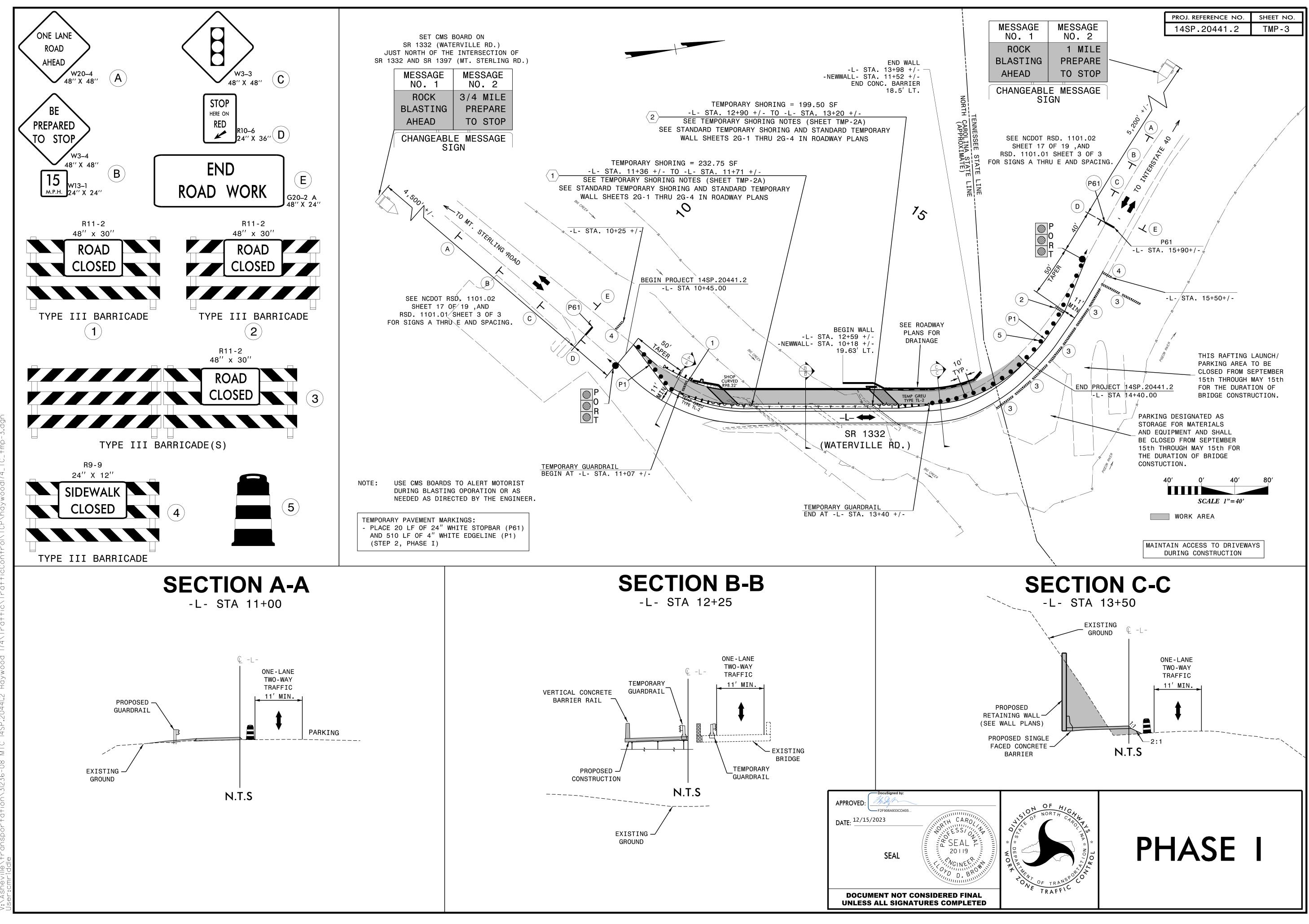
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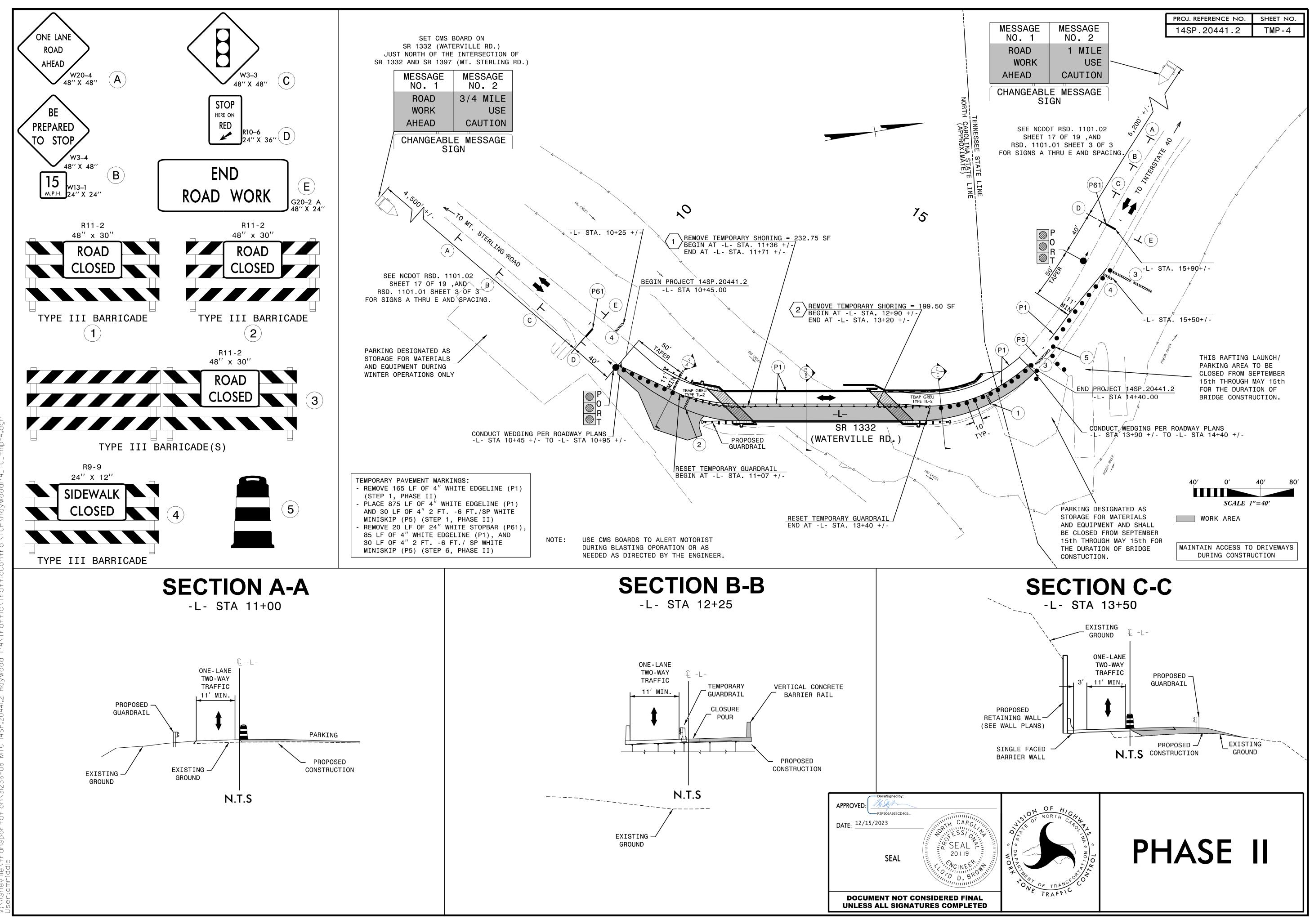
	PROJ. REFERENCE NO. 14SP.20441.2	-
PORARY SHORING LOCATION NO. 01 SEE SHEET TMP-3	TEMPORARY SHORING LOCATION NO. 2 SEE SHEET TMP-3 ESTIMATED QUANTITY = 199.50 SF	
STA.11+36 ±TO -L- STA. 11+71 ± GTH = 35' AVERAGE HEIGHT = 6.65'	-L- STA.12+90 ±TO -L- STA. 13+20 ± LENGTH = 30' AVERAGE HEIGHT = 6.65'	
"FOR TEMPORARY SHORING AND POSITIVE PROTECTION FOR TEMPORARY SHORING, SEE SHEETS 2G-1 THRU 2G-4 IN ROADWAY PLANS AND TEMPORARY SHORING PROVISION."	 "FOR TEMPORARY SHORING AND POSITIVE PROTECTION FOR TEMPORARY SHORING, SEE SHEETS 2G-1 THRU 2G-4 IN ROADWAY PLANS AND TEMPORARY SHORING PROVISION." 	
"BEFORE BEGINNING TEMPORARY SHORING DESIGN OR CONSTRUCTION, SURVEY EXISTING GROUND ELEVATIONS IN THE VICINITY OF SHORING LOCATIONS TO DETERMINE ACTUAL SHORING HEIGHTS."	2. "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 -L- STATION 11+36 ±TO STATION 11+71 ±, FOR THE FOLLOWING ASSUMED SOIL PARAMETERS AND GROUND WATER ELEVATIONS:	3. "DESIGN TEMPORARY SHORING FROM -L- STATION 12+90 ±TO STATION 13+20 ±, FOR THE FOLLOWING ASSUMED SOIL PARAMETERS AND GROUND WATER ELEVATIONS:	
- UNIT WEIGHT OF SOIL ABOVE WATER TABLE $(\gamma) = 120 \text{ pcf}$ - UNIT WEIGHT OF SOIL BELOW WATER TABLE, Y' = 60 pcf - FRICTION ANGLE $(\phi) = 30 \text{ DEGREES}$ - COHESION $(c) = 0 \text{ psf}$ - GROUNDWATER ELEVATION = N/A	 UNIT WEIGHT OF SOIL ABOVE WATER TABLE (γ) = 120 pcf UNIT WEIGHT OF SOIL BELOW WATER TABLE, Y' = 60 pcf FRICTION ANGLE (φ) = 30 DEGREES COHESION (c) = 0 psf GROUNDWATER ELEVATION = N/A 	
"LIMITED SUBSURFACE INFORMATION IS AVAILABLE IN THE VICINITY OF TEMPORARY SHORING FROM -L- STATION 11+36 ±TO STATION 11+71 ±. THE INFORMATION PROVIDED FOR TEMPORARY SHORING DESIGN WAS ASSUMED AND MAY NOT BE APPLICABLE TO THE ACTUAL SITE CONDITIONS ENCOUNTERED DURING CONSTRUCTION."	4. "LIMITED SUBSURFACE INFORMATION IS AVAILABLE IN THE VICINITY OF TEMPORARY SHORING FROM -L- STATION 12+90 ±TO STATION 13+20 ±. THE INFORMATION PROVIDED FOR TEMPORARY SHORING DESIGN WAS ASSUMED AND MAY NOT BE APPLICABLE TO THE ACTUAL SITE CONDITIONS ENCOUNTERED DURING CONSTRUCTION."	
"IT MAY BE PREFERRED TO USE A TEMPORARY SOIL NAIL WALL FOR THE TEMPORARY SHORING FROM -L- STATION 11+36 ±TO STATION 11+71 ±. FOR TEMPORARY SOIL NAIL WALLS, SEE TEMPORARY SOIL NAIL WALLS PROVISIONS."	5. "IT MAY BE PREFERRED TO USE A TEMPORARY SOIL NAIL WALL FOR THE TEMPORARY SHORING FROM -L- STATION 12+90 ±TO STATION 13+20 ±. FOR TEMPORARY SOIL NAIL WALLS, SEE TEMPORARY SOIL NAIL WALLS PROVISIONS."	
AT THE CONTRACTOR'S OPTION, USE STANDARD TEMPORARY SHORING FOR TEMPORARY SHORING FROM -L- STATION 11+36 ±TO STATION 11+71 ±. SEE GEOTECHNICAL STANDARD DETAIL NO. 1801.01 FOR STANDARD TEMPORARY SHORING.	6. AT THE CONTRACTOR'S OPTION, USE STANDARD TEMPORARY SHORING FOR TEMPORARY SHORING FROM -L- STATION 12+90 ±TO STATION 13+20 ±. SEE GEOTECHNICAL STANDARD DETAIL NO. 1801.01 FOR STANDARD TEMPORARY SHORING.	
AT THE CONTRACTOR'S OPTION, USE A STANDARD TEMPORARY WALL FOR TEMPORARY SHORING FROM -L- STATION 11+36 ±TO STATION 11+71 ±. SEE GEOTECHNICAL STANDARD DETAIL NO. 1801.02 FOR STANDARD TEMPORARY WALLS.	7. AT THE CONTRACTOR'S OPTION, USE A STANDARD TEMPORARY WALL FOR TEMPORARY SHORING FROM -L- STATION 12+90 ±TO STATION 13+20 ±. SEE GEOTECHNICAL STANDARD DETAIL NO. 1801.02 FOR STANDARD TEMPORARY WALLS.	

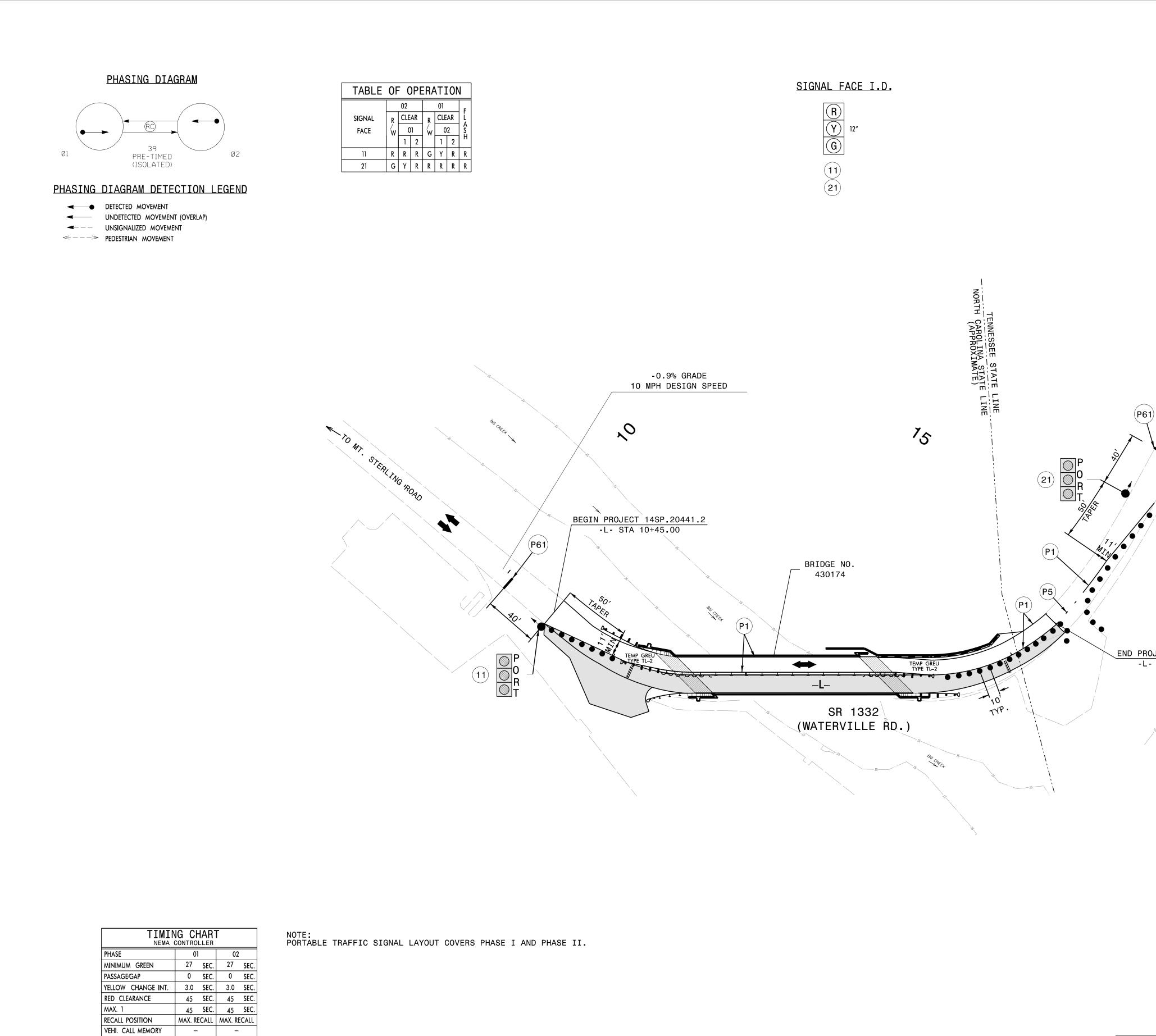
THE TEMPORARY SHORING NOTES SHOWN ON THIS SHEET WERE PROVIDED THROUGH A SEALED DOCUMENT FROM THE GEOTECHNICAL ENGINEERING ENGINEER. THE DOCUMENT WAS SUBMITTED TO JMT ON (JULY 22, 2019) AND SEALED BY A PROFESSIONAL ENGINEER, (WILLIAM F. EDELEN, JR), LICENSE #11058. SEE STANDARD TEMPORARY SHORING AND STANDARD TEMPORARY WALL SHEETS (2G-1 THRU 2G-4 IN ROADWAY PLANS).



TEMPORARY SHORING NOTES







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	NOTES				
	TEMPORARY INSTALLATIO				
3. NO COUNTS	EADS SHALL BE NO CLOSE S AVAILABLE.				
	OR TO UTILIZE NCDOT PR JRER AND MODEL.	E-APPROVED	PURIABLE INAFFIG S	IGNAL	
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/	PREPARED BY: CGM REVISIONS	REVIEWED REVIEWED			D. BROWNING
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