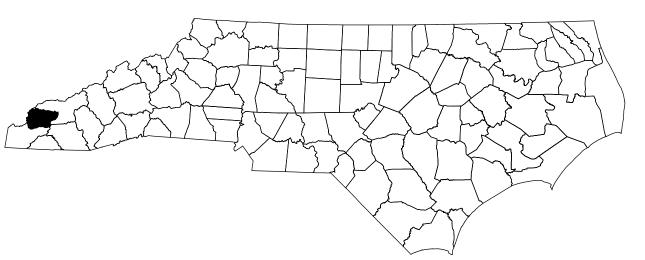
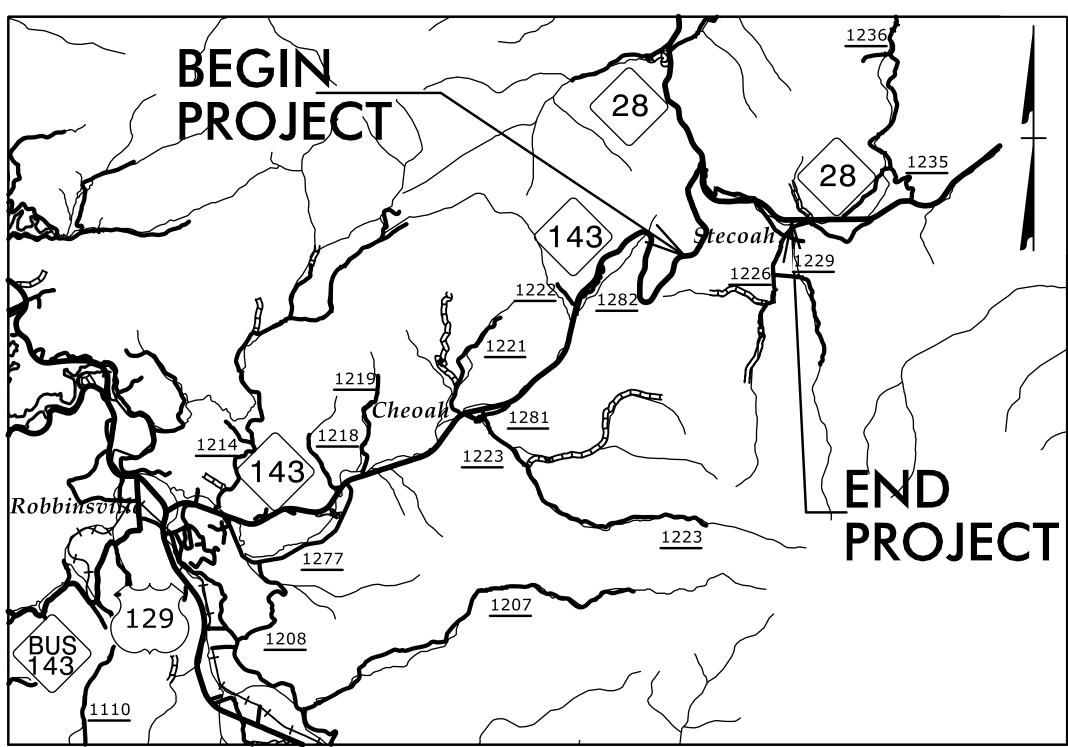
# TRANSPORTATION MANAGEMENT PLAN

# GRAHAM COUNTY

**DIVISION 14** 



NC 143 FROM 0.5 MI NORTH OF APPALACHIAN TRAIL TO NC 28 NC 28 FROM 0.2 MI WEST OF NC 143 TO 0.2 MI WEST OF SR 1228 (STECOAH RD)



VICINITY MAP

# INDEX OF SHEETS

SHEET NO.

<u>TITLE</u>

TITLE SHEET, VICINITY MAP, AND INDEX OF SHEETS TMP - 1

LIST OF APPLICABLE ROADWAY STANDARD DRAWINGS, AND LEGEND

TRANSPORTATION OPERATIONS PLAN: (MANAGEMENT STRATEGIES AND GENERAL NOTES)

TMP-2 & TMP-3

TMP-9 & TMP-12

TMP-1A

TMP-1B

TEMPORARY TRAFFIC CONTROL PHASING

TMP-4 THRU TMP-8

PHASE II STEP 1

PHASE I

TMP-13 THRU TMP-14 PHASE II STEP 2

PHASE III

TMP-15

TMP-16 PHASE IV THRU TMP-18

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

WORK ZONE SAFETY & MOBILITY

"from the MOUNTAINS to the COAST"

PLANS PREPARED BY:

JIMMY TERRY, PE PROJECT ENGINEER

SANDRA MELVIN DESIGN ENGINEER NCDOT CONTACTS:

WANDA H. AUSTIN, PE **DIVISION ENGINEER** 

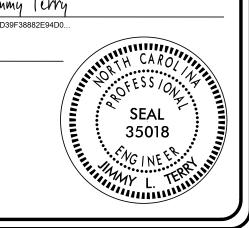


PLAN PREPARED FOR N.C.D.O.T. BY:

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

APPROVED:\_

DATE:\_



THE FOLLOWING ROADWAY STANDARDS AS SHOWN IN "ROADWAY STANDARD DRAWINGS" -N.C. DEPARTMENT OF TRANSPORTATION - RALEIGH, N.C., DATED JANUARY 2018 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
1101.05	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	DRUMS
1135.01	CONES
1145.01	BARRICADES
1150.01	FLAGGING DEVICES
1165.01	
1180.01	
1205.01	PAVEMENT MARKINGS - LINE TYPES AND OFFSETS
1205.02	PAVEMENT MARKINGS - TWO LANE AND MULTILANE ROADWAYS
1205.04	PAVEMENT MARKINGS - INTERSECTIONS
1205.09	PAVEMENT MARKINGS - PAINTED ISLANDS
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
1232101	GO, MIDIO TELETIALITICA

PROJ. REFERENCE NO. SHEET NO. A-0009CC TGS ENGINEERS
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SHELBY, NC 28150
PH (704) 476–0003
CORP. LICENSE NO.: C–0275

# **LEGEND**

## **GENERAL**

DIRECTION OF TRAFFIC FLOW

DIRECTION OF PEDESTRIAN TRAFFIC FLOW

<del>----</del> EXIST. PVMT.

NORTH ARROW

— PROPOSED PVMT.

TEMP. SHORING (LOCATION PURPOSES ONLY)

WORK AREA

REMOVAL

## SIGNALS









# PAVEMENT MARKINGS

——EXISTING LINES ——TEMPORARY LINES

# TRAFFIC CONTROL DEVICES

BARRICADE (TYPE III)

DRUM SKINNY DRUM O 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

SYMBOL DESCRIPTION DESCRIPTION

PAVEMENT MARKINGS PAVEMENT MARKINGS

PAINT (4")

(4") WHITE EDGELINE

(4") WHITE SOLID LANE LINE

(4") 3 FT.- 9 FT./SP WHITE MINISKIP

(4") YELLOW EDGELINE P10

(4") YELLOW DOUBLE CENTER

PAINT (24")

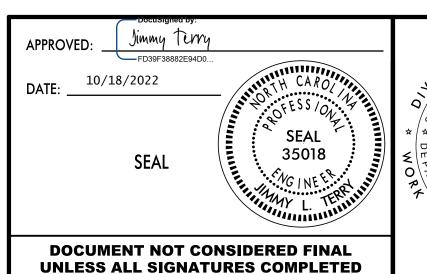
(24") WHITE STOPBAR

PAVEMENT MARKING SYMBOL

LEFT TURN ARROW P71 RIGHT TURN ARROW

PAVEMENT MARKERS

TEMPORARY RAISED MARKERS (CRYSTAL & CRYSTAL)



ROADWAY STANDARD DRAWINGS & LEGEND

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

#### TIME RESTRICTIONS

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

ROAD NAME

NC 143 (-L-) NC 28 (-Y2-) ANY OTHER ROAD

#### HOLIDAY

- 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 4:00 P.M. DECEMBER 31st TO 9:00 A.M. JANUARY 2ND. IF NEW YEAR'S DAY IS ON A FRIDAY, SATURDAY, SUNDAY, OR MONDAY THEN UNTIL 9:00 A.M. THE FOLLOWING TUESDAY.
- 3. FOR EASTER, BETWEEN THE HOURS OF 4:00 P.M. THURSDAY AND 9:00 A.M. MONDAY.
- 4. FOR MEMORIAL DAY, BETWEEN THE HOURS OF 4:00 P.M. FRIDAY TO 9:00 A.M. TUESDAY.
- 5. FOR INDEPENDENCE DAY, BETWEEN THE HOURS OF 4:00 P.M. THE DAY BEFORE INDEPENDENCE DAY AND 9:00 A.M. THE DAY AFTER INDEPENDENCE DAY.

IF INDEPENDENCE DAY IS ON A FRIDAY, SATURDAY, SUNDAY OR MONDAY THEN BETWEEN THE HOURS OF 4:00 P.M. THE THURSDAY BEFORE INDEPENDENCE DAY AND 9:00 A.M. THE TUESDAY AFTER INDEPENDENCE DAY.

- 6. FOR LABOR DAY, BETWEEN THE HOURS OF 4:00 P.M. FRIDAY AND 9:00 A.M. TUESDAY.
- 7. FOR THANKSGIVING DAY, BETWEEN THE HOURS OF 4:00 P.M. TUESDAY TO 9:00 A.M. MONDAY.
- 8. FOR CHRISTMAS, BETWEEN THE HOURS OF 4:00 P.M. THE FRIDAY BEFORE THE WEEK OF CHRISTMAS DAY AND 9:00 A.M. THE FOLLOWING TUESDAY AFTER THE WEEK OF CHRISTMAS.

#### LANE AND SHOULDER CLOSURE REQUIREMENTS

- B) 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.
- C) 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.
- D) 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.

## GENERAL NOTES

- E) 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.
- F) 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.
- G) PROVIDE TRAFFIC CONTROL FOR APPROPRIATE LANE CLOSURES FOR SURVEYING DONE BY THE DEPARTMENT.

#### PAVEMENT EDGE DROP OFF REQUIREMENTS

H) 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.

I) 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) 250 FT IN ADVANCE AND A MINIMUM OF EVERY HALF MILE THROUGHOUT THE UNEVEN AREA.

#### TRAFFIC PATTERN ALTERATIONS

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

#### SIGNING

- K) 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.
- L) 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.

M) 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

- N) ENSURE ALL NECESSARY SIGNING IS IN PLACE PRIOR TO ALTERING ANY TRAFFIC PATTERN.
- O) INSTALL BLACK ON ORANGE "DIP" SIGNS (W8-2) AND/OR "BUMP" SIGNS (W8-1) 250 FT IN ADVANCE OF THE UNEVEN AREA, OR AS DIRECTED BY THE ENGINEER.

PROJ. REFERENCE NO. SHEET NO. A-0009CC TMP-1B

MARKER

#### TRAFFIC CONTROL DEVICES

- P) WHEN LANE CLOSURES ARE NOT IN EFFECT SPACE CHANNELIZING DEVICES IN WORK AREAS NO GREATER IN FEET THAN TWICE THE POSTED SPEED LIMIT (MPH) EXCEPT, 10 FT ON-CENTER IN RADII, AND 3 FT OFF THE EDGE OF AN OPEN TRAVELWAY. REFER TO STANDARD SPECIFICATIONS FOR ROADS AND STRUCTURES SECTIONS 1130 (DRUMS), 1135 (CONES) AND 1180 (SKINNY DRUMS) FOR ADDITIONAL REQUIREMENTS.
- Q) PLACE TYPE III BARRICADES, WITH "ROAD CLOSED" SIGN R11-2 ATTACHED, OF SUFFICIENT LENGTH TO CLOSE ENTIRE ROADWAY.
- R) PLACE ADDITIONAL SETS OF THREE CHANNELIZING DEVICES
  PERPENDICULAR TO THE EDGE OF TRAVELWAY ON 500 FT CENTERS WHEN
  UNOPENED LANES ARE CLOSED TO TRAFFIC.

#### PAVEMENT MARKINGS AND MARKERS

ROAD NAME

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

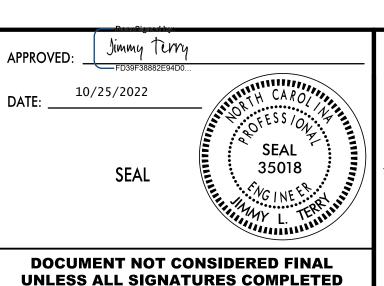
NC 143	PAINT	TEMPORARY RAISED
NC 28	PAINT	TEMPORARY RAISED
ANY OTHER BOAD	PATNT	NONE
ANT VIDED BUAD	FAINI	131.7131

MARKING

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

# MANAGEMENT STRATEGIES

THE PROPOSED NC 143 (-L-), NC 28 (-Y2-) AND ALL OTHER ROADS IN THIS PROJECT WILL BE CONSTRUCTED USING A COMBINATION OF SHIFTING TRAFFIC, TEMPORARY LANE AND ROAD CLOSURES AND FLAGGERS.





TRANSPORTATION
OPERATIONS
PLAN

1. UNLESS OTHERWISE NOTED PROVIDE ACCESS TO ALL DRIVES AND SIDE STREETS AT ALL TIMES.

CONSTRUCTION OF PROJECT A-0009CC WILL OCCUR IN 2 SEPARATE AREAS.

AREA A: NC 143 FROM 0.5 MI NORTH OF APPALACHIAN TRAIL TO NC 143

AREA B: NC 28 FROM 0.2 MI WEST OF NC 143 TO 0.2 MI WEST OF

THE CONTRACTOR MAY WORK CONCURRENTLY IN BOTH.

SR 1228 (STECOAH RD)

2. UNLESS OTHERWISE NOTED MAINTAIN THE EXISTING TRAFFIC PATTERN OF NC 143, NC 28, AND ALL APPLICABLE STREETS IN THE PROJECT AREA AT ALL TIMES WHILE FLAGGERS ARE NOT AT WORK.

3. INSTALL ADVANCED WORK ZONE WARNING SIGNS ON ALL ALIGNMENTS IN ACCORDANCE WITH NCDOT RSD 1101.01, SHEET 3 OF 3.

4. UNLESS OTHERWISE NOTED USE NCDOT RSD 1101.02, SHEET 1 OF 14 FOR TEMPORARY LANE CLOSURES.

5. WHEN WEDGING OVER EXISTING PAVEMENT, WEDGE TO PROPOSED ELEVATION LESS THE FINAL LAYER OF SURFACE COURSE, OR WEDGE AS NEEDED TO MAINTAIN TRAFFIC AS DIRECTED BY THE ENGINEER.

NC 143 CONSTRUCTION

PHASE I

(TMP-4 & TMP-5)

WHILE MAINTAINING THE EXISTING NC 143 TRAFFIC PATTERN AND USING TEMPORARY LANE AND SHOULDER CLOSURES IN ACCORDANCE WITH NCDOT RSD 1101.02, SHEET 1 OF 14, AND RSD 1101.04 AND FLAGGERS AS NEEDED CONSTRUCT THE FOLLOWING UP TO BUT NOT INCLUDING THE FINAL LAYER OF SURFACE COURSE: WIDEN NC 143 FROM -L- STA 414+50± TO STA 456+90±, LT WIDEN NC 143 FROM -L- STA 455+73± TO STA 466+70±, RT WIDEN NC 143 FROM -L- STA 464+00± TO STA 472+41±, LT

CONSTRUCT DR3 FROM -DR3 - FROM STA 10+20± TO STA 11+72± (TMP-4)

CONSTRUCT RETAINING WALL #21 FROM -L- STA 420+39± TO 436+65±, LT (TMP-4) CONSTRUCT RETAINING WALL #22 FROM -L- STA 438+96± TO 442+58±, LT (TMP-4) (TMP-11) CONSTRUCT RETAINING WALL #23 FROM -L- STA 448+40± TO 452+25±, LT (TMP-5) CONSTRUCT RETAINING WALL #24 FROM -L- STA 453+25± TO 456+25±, LT (TMP-5) USING TEMPORARY LANE CLOSURES AS NEEDED AND WORKING IN A CONTINUOUS CONSTRUCT RETAINING WALL #25 FROM -L- STA 468+75± TO 471+75±, LT (TMP-5) OPERATION DO THE FOLLOWING:

REMOVE ALL TEMPORARY TRAFFIC CONTROL DEVICES.

NC 28 CONSTRUCTION

PHASE I

(TMP-6 THRU TMP-8)

UNLESS OTHERWISE NOTED MAINTAIN THE EXISTING NC 28 TRAFFIC PATTERN. USING TEMPORARY LANE AND SHOULDER CLOSURES IN ACCORDANCE WITH NCDOT RSD 1101.02, SHEET 1 OF 14, AND RSD 1101.04 AND FLAGGERS AS NEEDED CONSTRUCT THE FOLLOWING UP TO BUT NOT INCLUDING THE FINAL LAYER OF SURFACE COURSE:

WIDEN NC 28 FROM -Y2- STA 12+60± TO STA 29+10±, LT WIDEN NC 28 FROM -Y2- STA 27+40± TO STA 49+44±, RT

WIDEN NC 28 FROM -Y2- STA 46+94± TO STA 66+31±, LT WEDGE EXISTING NC 28 PAVEMENT FROM -Y2- STA 65+11± TO 70+00±

WIDEN NC 28 FROM -Y2- STA 65+11± TO STA 74+13±, RT WIDEN NC 28 FROM -Y2- STA 74+31± TO STA 139+00±,LT WIDEN NC 28 FROM -Y2- STA 84+60± TO STA 89+80±, RT

WHILE MAINTAINING ACCESS TO THE DWELLING CONSTRUCT - DR4-FROM -DR4- STA 10+12± TO STA 11+10± (TMP-8)

# **PHASING**

CONSTRUCT RETAINING WALL #39 FROM -Y2- STA 14+59± TO 16+25±. LT (TMP-6) CONSTRUCT RETAINING WALL #40 FROM -Y2- STA 16+75± TO 18+70±, LT (TMP-6) CONSTRUCT RETAINING WALL #30 FROM -Y2- STA 26+50± TO 28+75±, LT (TMP-6) CONSTRUCT RETAINING WALL #32 FROM -Y2- STA 58+90± TO 66+83±, LT (TMP-7 & TMP-8)

CONSTRUCT FIRST SECTION OF RETAINING WALL #33 FROM -Y2- STA 65+11± TO 66+03±, RT (TMP-8)

CONSTRUCT RETAINING WALL #35 FROM -Y2- STA 77+94± TO 88+25±, LT (TMP-8)

REMOVE ALL TEMPORARY TRAFFIC CONTROL DEVICES.

NC 143 CONSTRUCTION

PHASE II

STEP 1 (TMP-9 & TMP-10)

USING TEMPORARY LANE CLOSURES, FLAGGERS, AND TRAFFIC SHIFTS AS NEEDED WEDGE THE EXISTING NC 143 UP TO BUT NOT INCLUDING THE FINAL LAYER OF SURFACE COURSE AS FOLLOWS:

FROM -L- STA 414+50± TO 456+90±

PLACE PAVED SHOULDER AS FOLLOWS: -L- STA 414+50± TO STA 455+73±, RT

USING TEMPORARY LANE CLOSURES AND FLAGGERS PLACE TEMPORARY PAVEMENT MARKINGS IN A 2-LN 2-WAY PATTERN AS SHOWN ON PLANS.

CONSTRUCT RETAINING WALL #26 FROM -L- STA 421+36± TO 423+54±, RT (TMP-9) CONSTRUCT RETAINING WALL #27 FROM -L- STA 427+36± TO 431+45±, RT (TMP-9)

REMOVE ALL TEMPORARY TRAFFIC CONTROL DEVICES.

NC 28 CONSTRUCTION

PHASE II

STEP 1 (TMP-11 & TMP-12)

PLACE TEMPORORAY PAVEMENT MARKINGS FROM -Y2- STA 27+40± TO 49+44±. WEDGE EXISTING PAVEMENT TO PROVIDE A SMOOTH TRANSITION BETWEEN EXISTING AND NEW PAVEMENT. SHIFT TRAFFIC TO NEW PAVEMENT.

WEDGE EXISTING PAVEMENT UP TO BUT NOT INCLUDING THE FINAL LAYER OF SURFACE COURSE FROM -Y2- STA 27+40± TO 33+00± AND FROM -Y2-STA 40+46± TO 49+44±

PLACE PAVED SHOULDER FROM -Y2- STA 29+10± TO 46+94±, LT

REMOVE EXISTING NC 28 PAVEMENT AS SHOWN ON PLANS

(TMP-11)

WORKING IN A CONTINUOUS MANNER USING TEMPORARY LANE CLOSURES, FLAGGERS, AND TRAFFIC SHIFTS DO THE FOLLOWING: PLACE TEMPORARY PAVEMENT MARKINGS FROM -Y2- STA 65+11± TO 74+31±. WEDGE EXISTING PAVEMENT TO PROVIDE A SMOOTH TRANSITION BETWEEN EXISTING AND NEW PAVEMENT. SHIFT TRAFFIC TO NEW PAVEMENT.

WEDGE AND WIDEN EXISTING PAVEMENT UP TO BUT NOT INCLUDING THE FINAL LAYER OF SURFACE COURSE FROM -Y2- STA 65+11± TO 74+31±

PLACE PAVED SHOULDER FROM -Y2- STA 66+31± TO 74+31±, LT

CONSTRUCT RETAINING WALL #34 FROM -Y2- STA 71+25± TO 72+75±, LT (TMP-11)

THE CONTRACTOR MAY ELECT TO PERFOM WORK DESCRIBED IN PHASE 2, STEP 2 AND IN PHASE 3 CONCURRENTLY OR PERFORM PHASE 3 PRIOR TO FINISHING STEP 2.

STEP 2 (TMP-13 T& TMP-14)

USING TEMPORARY LANE CLOSURES, FLAGGERS, TRAFFIC SHIFT, AND UTILIZING THE NEWLY CONSTRUCTED PAVED SHOULDER IF NEEDED WEDGE EXISTING NC 28 PAVEMENT UP TO BUT NOT INCLUDING THE FINAL LAYER OF SURFACE COURSE AS FOLLOWS: FROM -Y2- STA 49+44± TO -Y2- STA 65+11± (TMP-13) FROM -Y2- STA 74+13± TO -Y2- STA 84+60± (TMP-14)

AT THE END OF EACH WORK DAY AND/OR WHEN FLAGGERS ARE NOT AT WORK PLACE THE EXISTING NC 28 TRAFFIC IN A 2-LN 2 WAY PATTERN (11' MIN. LANE WIDTH) PLACE TEMPORARY PAVEMENT MARKING AS NEEDED AND/OR AS DIRECTED BY THE ENGINEER FROM -Y2- STA, 46+38± TO 166+45±

PLACE PAVED SHOULDER AS FOLLOWS:

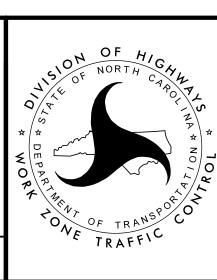
-Y2- STA 49+44± TO 65+11±, RT (TMP-13) -Y2- STA 74+13± TO 84+60±, RT (TMP-14)

WHILE MAINTAINING ACCESS CONSTRUCT SIDE STREETS UP TO BUT NOT INCLUDING THE FINAL LAYER OF SURFACE COURSE AS SHOWN ON PLANS: VIVIAN LN (PVT) (TMP-13) SR 1226 STECOAH RD (TMP-14)

COMPLETE CONSTRUCTION OF RETAINING WALL #33 FROM -Y2- STA 63+75± TO 65+11±, RT (TMP-13)

REMOVE ALL TEMPORARY TRAFFIC CONTROL DEVICES.

Jimmy Terry APPROVED: 10/27/2022 **DOCUMENT NOT CONSIDERED FINAL** 



PHASING

PROJ. REFERENCE NO.

A-0009CC

SHEET NO.

TMP-2

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

**UNLESS ALL SIGNATURES COMPLETED** 

## NC 143/ NC 28 CONSTRUCTION

## PHASE III

TMP-15

USING TEMPORARY LANE CLOSURES, FLAGGER, AND SHIFTING TRAFFIC CONSTRUCT THE NC 143/ NC 28 INTERSECTION AREA. WHEN FLAGGERS ARE NOT AT WORK BOTH NC 143 AND NC 28 TRAFFIC SHALL BE IN A 2 WAY 2 LN PATTERN, EXCEPT FOR THE INTERSECTION WHERE THE EXISTING TURN LANES SHALL BE RETAINED.

WIDEN AND WEDGE THE EXISTING PAVEMENT UP TO BUT NOT INCLUDING THE FINAL LAYER OF SURFACE COURSE AS FOLLOWS: NC 143 FROM -L- STA 456+90± TO STA 474+20±, WIDEN FROM -L STA 471+24± TO 473+08± NC 28 FROM -Y2- STA 12+60± TO STA 27+40±

PLACE PAVED SHOULDER AS FOLLOWS: NC 143 FROM -L- STA 456+90± TO 464+00±, LT NC 143 FROM -L- STA 466+70± TO 474+20±, RT NC 143 FROM -L- STA 472+41± TO 474+20±, LT NC 28 FROM -Y2- STA 13+10± TO 19+55±, RT NC 28 FROM -Y2- STA 23+94± TO 27+40±, RT

REMOVE EXISTING PAVEMENT AS SHOWN ON PLANS REPAVE THE EXISTING PARKING LOT ON NC 28 AS SHOWN ON PLANS. (TMP-15)

REMOVE ALL TEMPORARY TRAFFIC CONTROL DEVICES.

## NC 143/ NC 28 CONSTRUCTION

### PHASE IV

STEP 1 (TMP-16 THRU TMP-18)

USING TEMPORARY LANE CLOSURES AND FLAGGERS IN ACCORDANCE WITH NCDOT RSD 1101.02 SHEET 1 OF 14 PLACE FINAL LAYER OF SURFACE COURSE AS FOLLOWS: NC 143 FROM -L- STA 414+50± TO 474+20±

NC 28 FROM -Y2- 12+60± TO 89+80±

USING TEMPORARY LANE CLOSURES AND FLAGGERS IN ACCORDANCE WITH NCDOT RSD 1101.02 SHEET 1 OF 14 PLACE FINAL LAYER OF SURFACE COURSE ON SIDE STREETS.

SR 1226 STECOAH RD (TMP-18)

## STEP 2

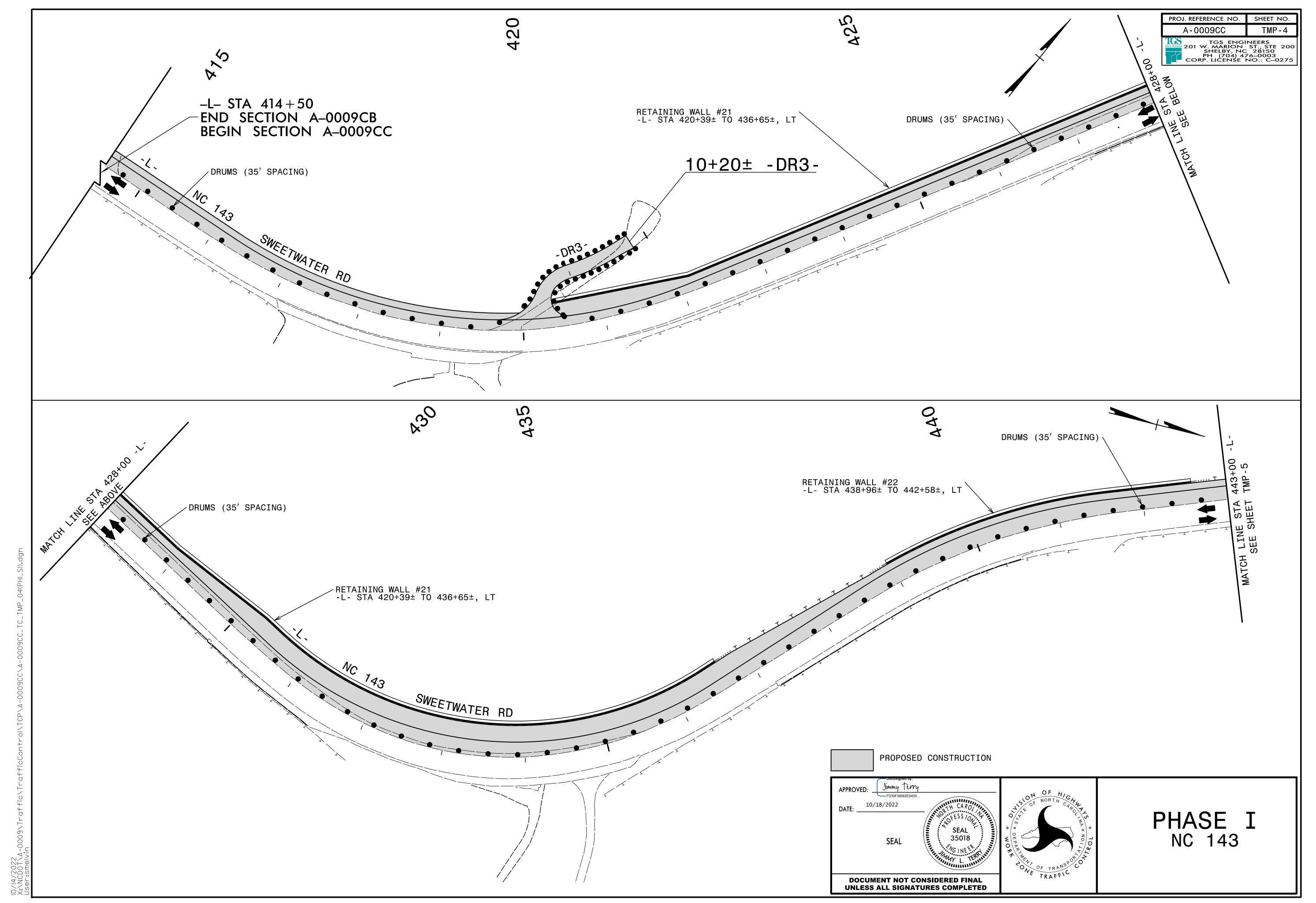
USING TEMPORARY LANE CLOSURES AND FLAGGERS IN ACCORDANCE WITH NCDOT RDD 1101.02 SHEET 1 OF 14 PLACE FINAL PAVEMENT MARKINGS AS SHOWN IN PAVEMENT MARKING PLANS.

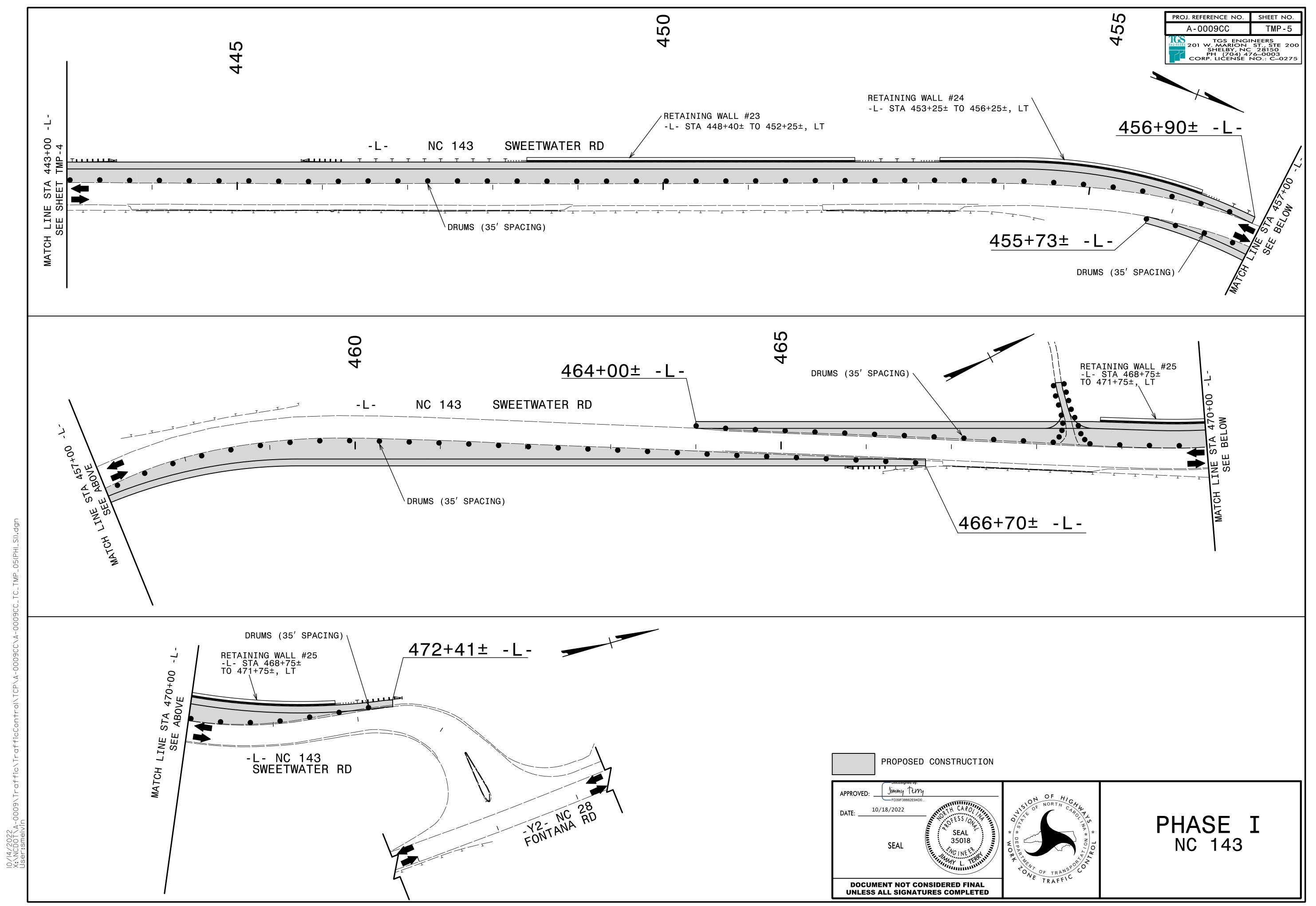
REMOVE ALL TRAFFIC CONTROL DEVICES AND OPEN ALL ROADS TO TRAFFIC.

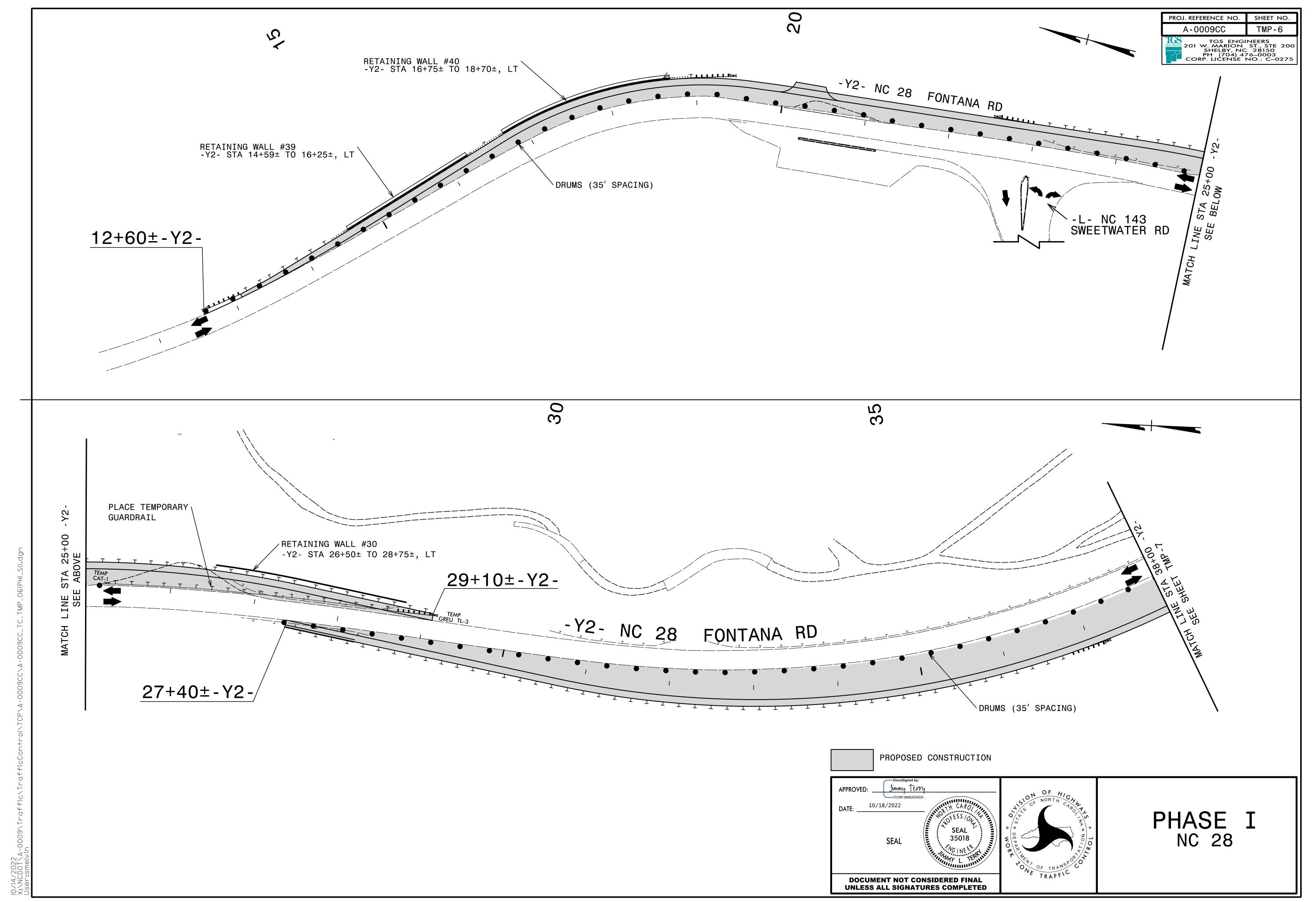
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	SEAL	SEAL 35018		
DOCUMENT NOT CONSIDERED FINAL				

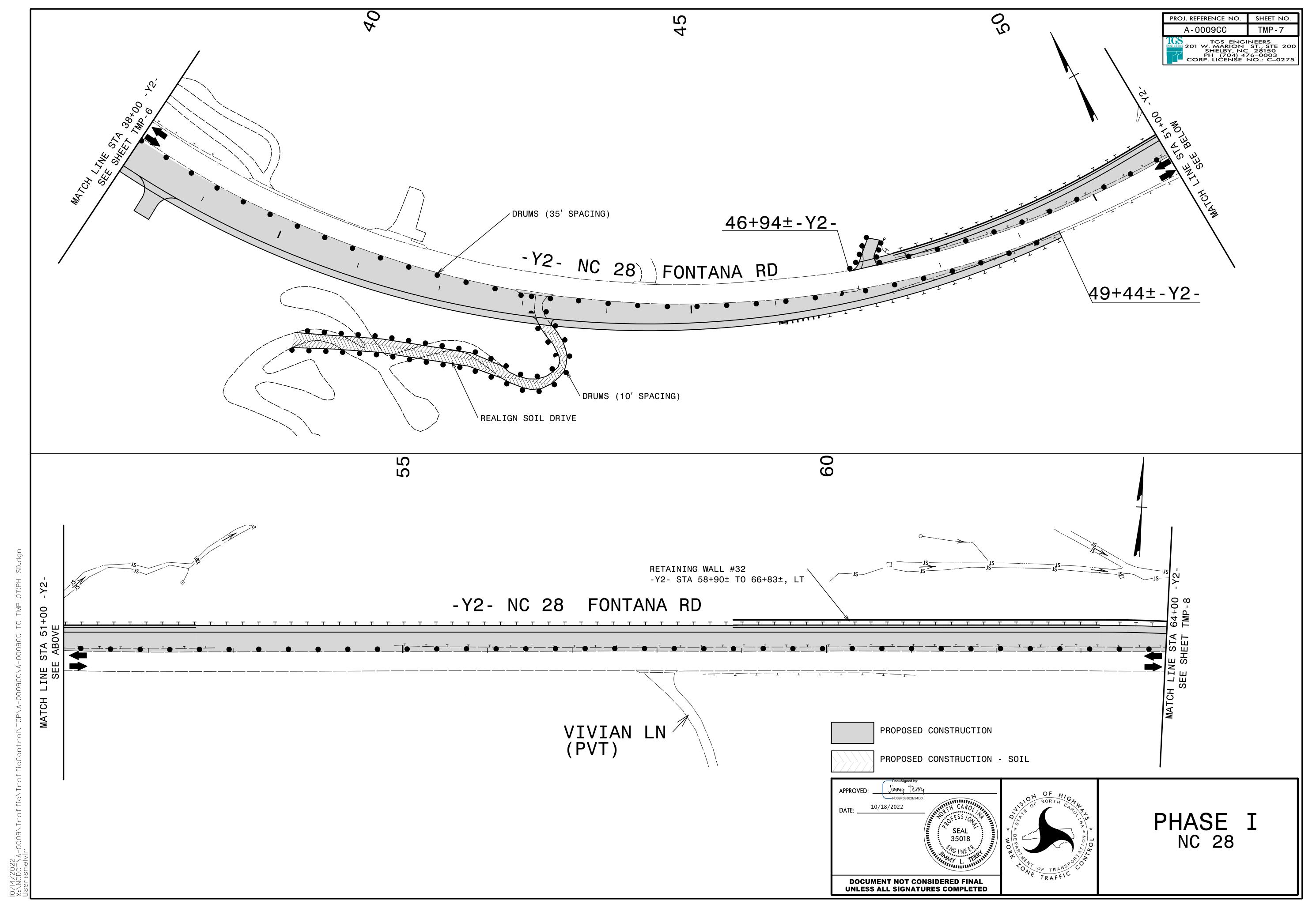
**UNLESS ALL SIGNATURES COMPLETED** 

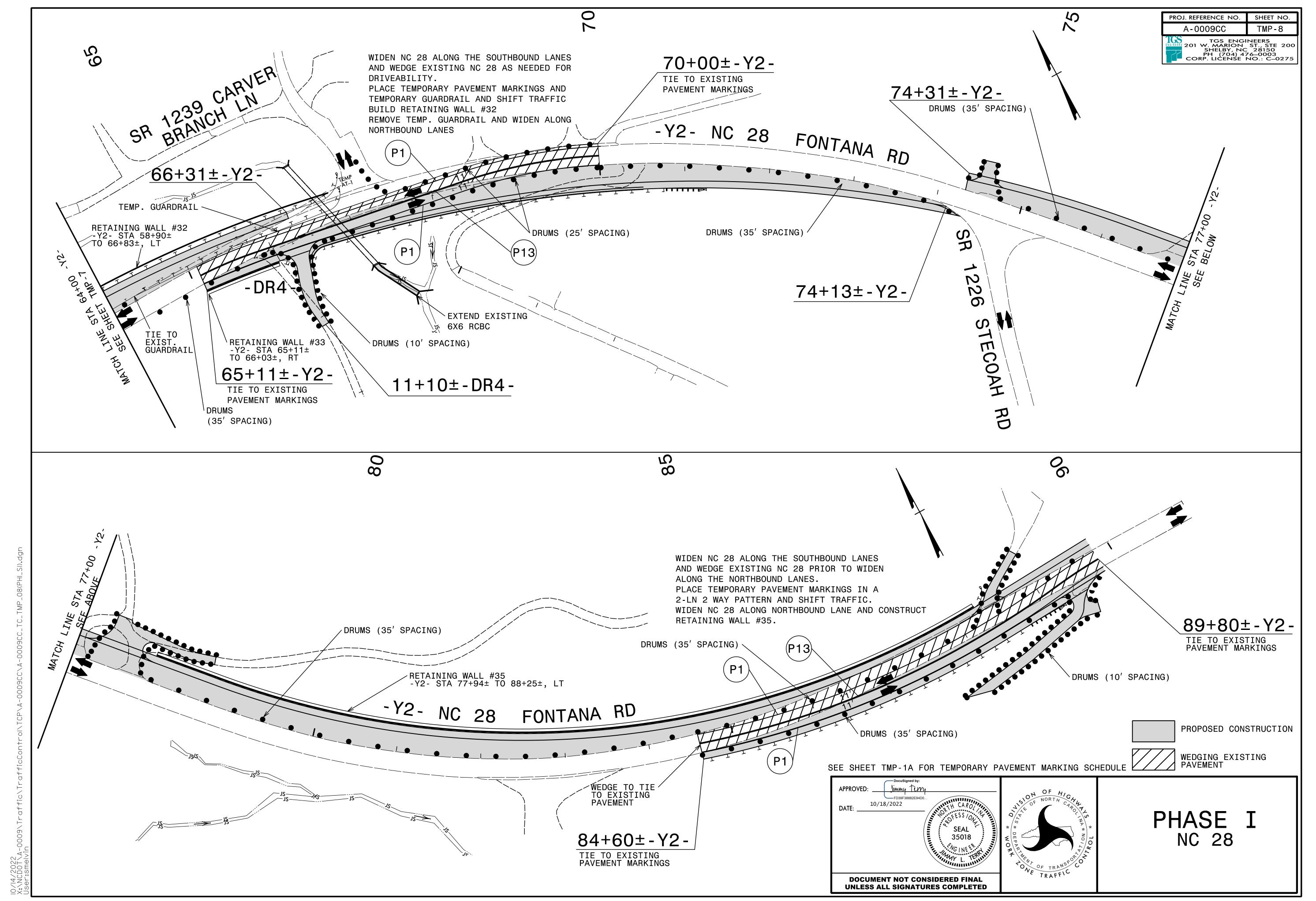
PHASING

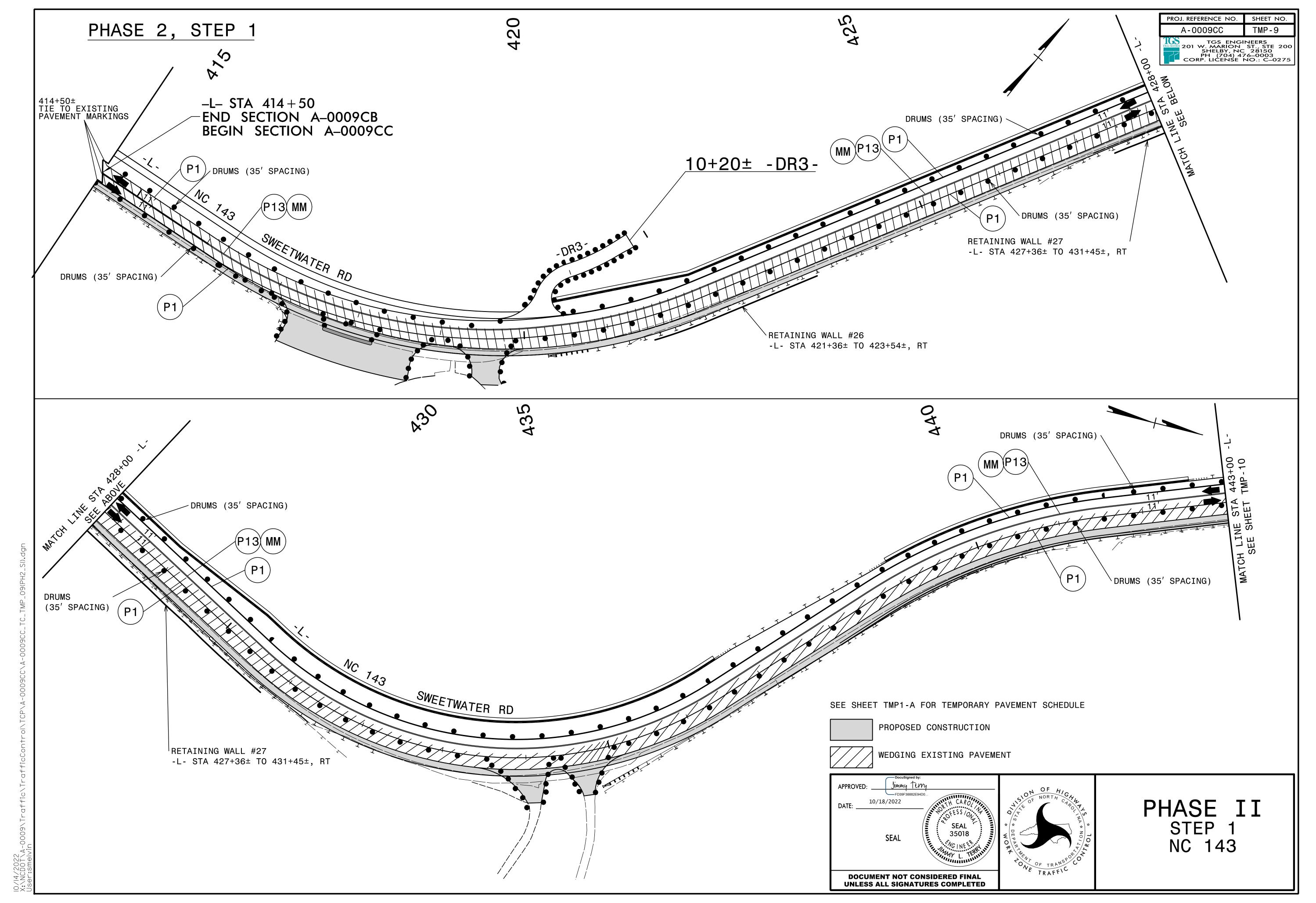


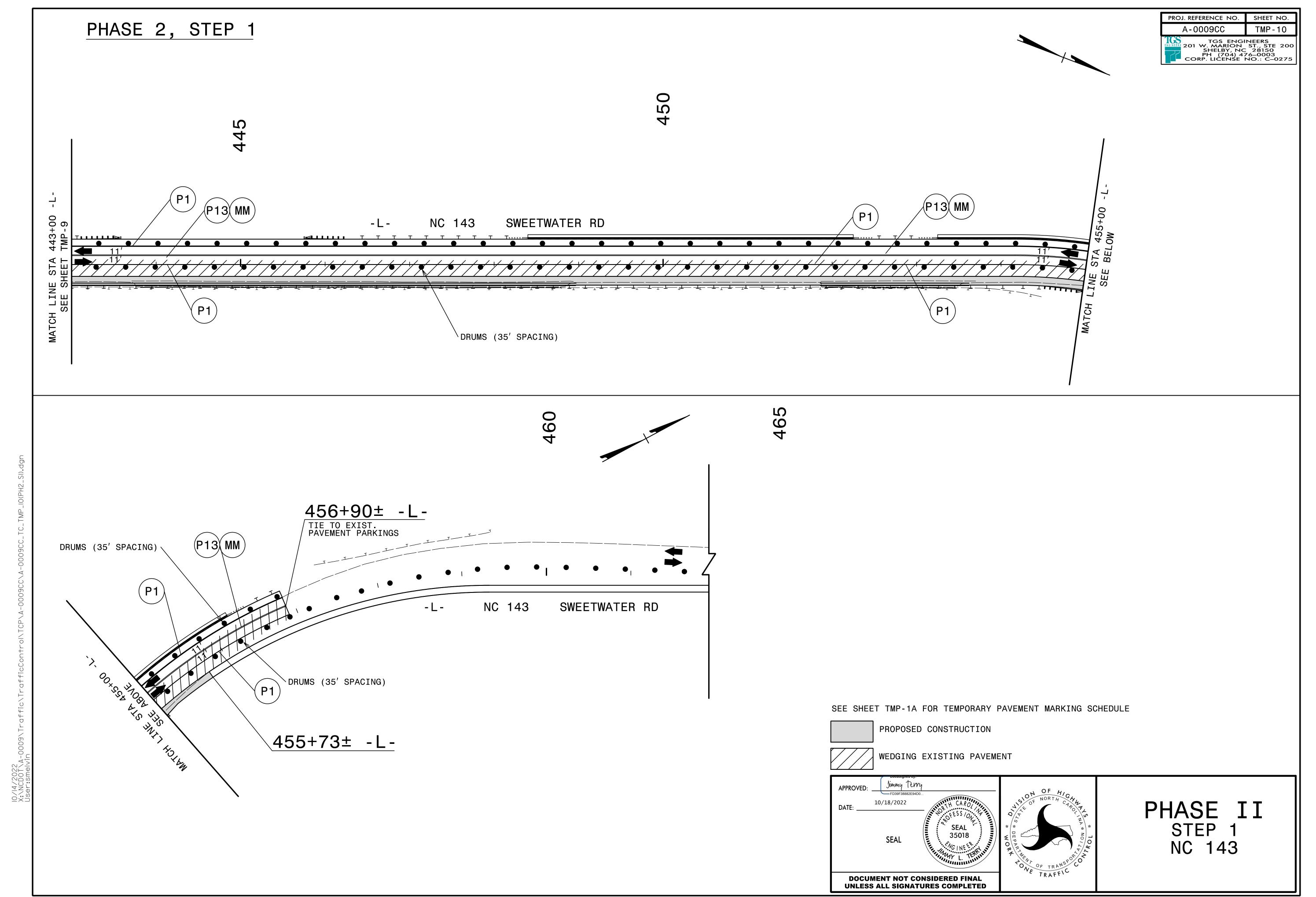


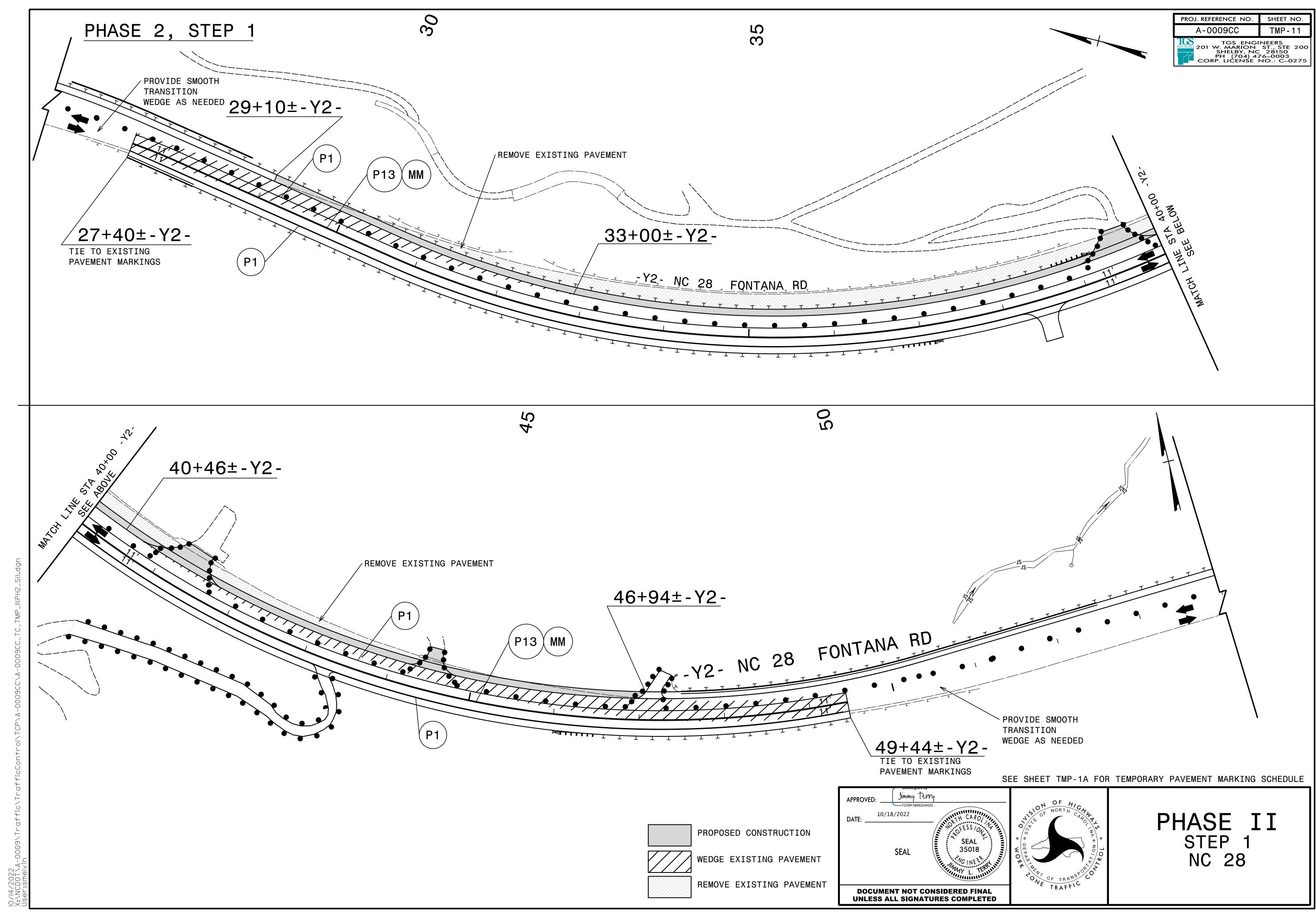


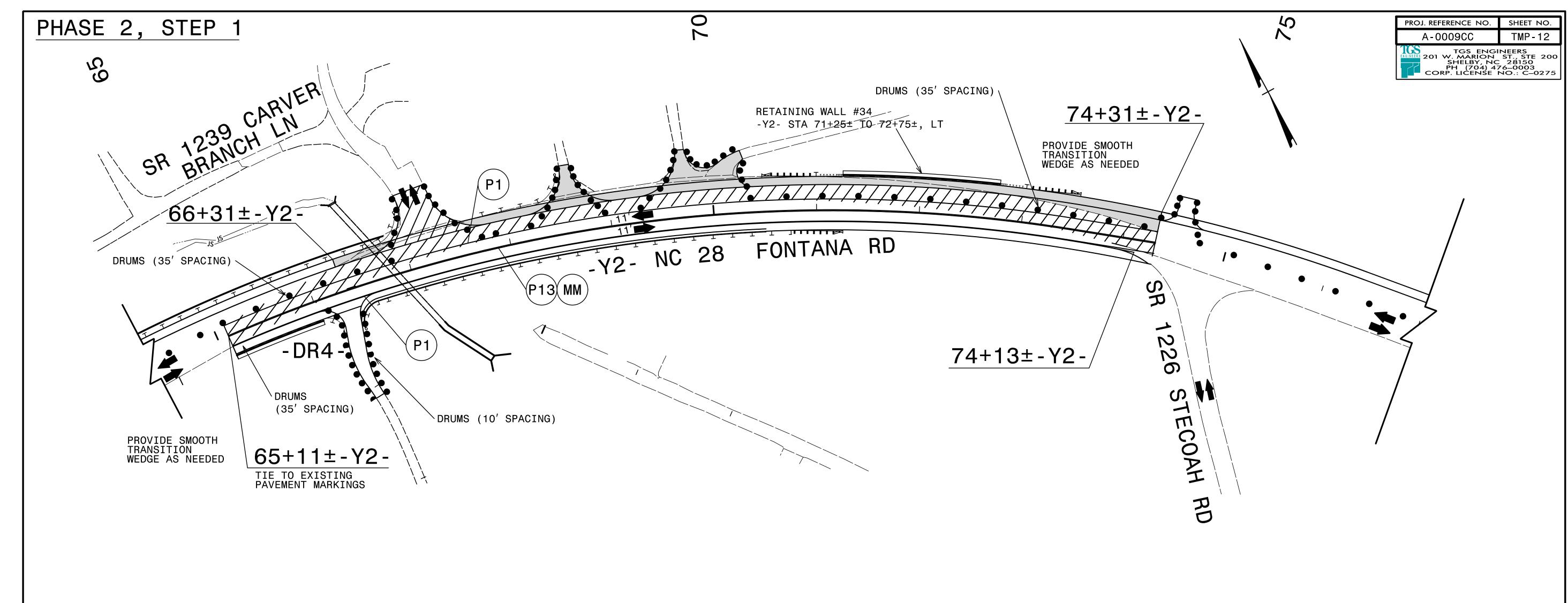








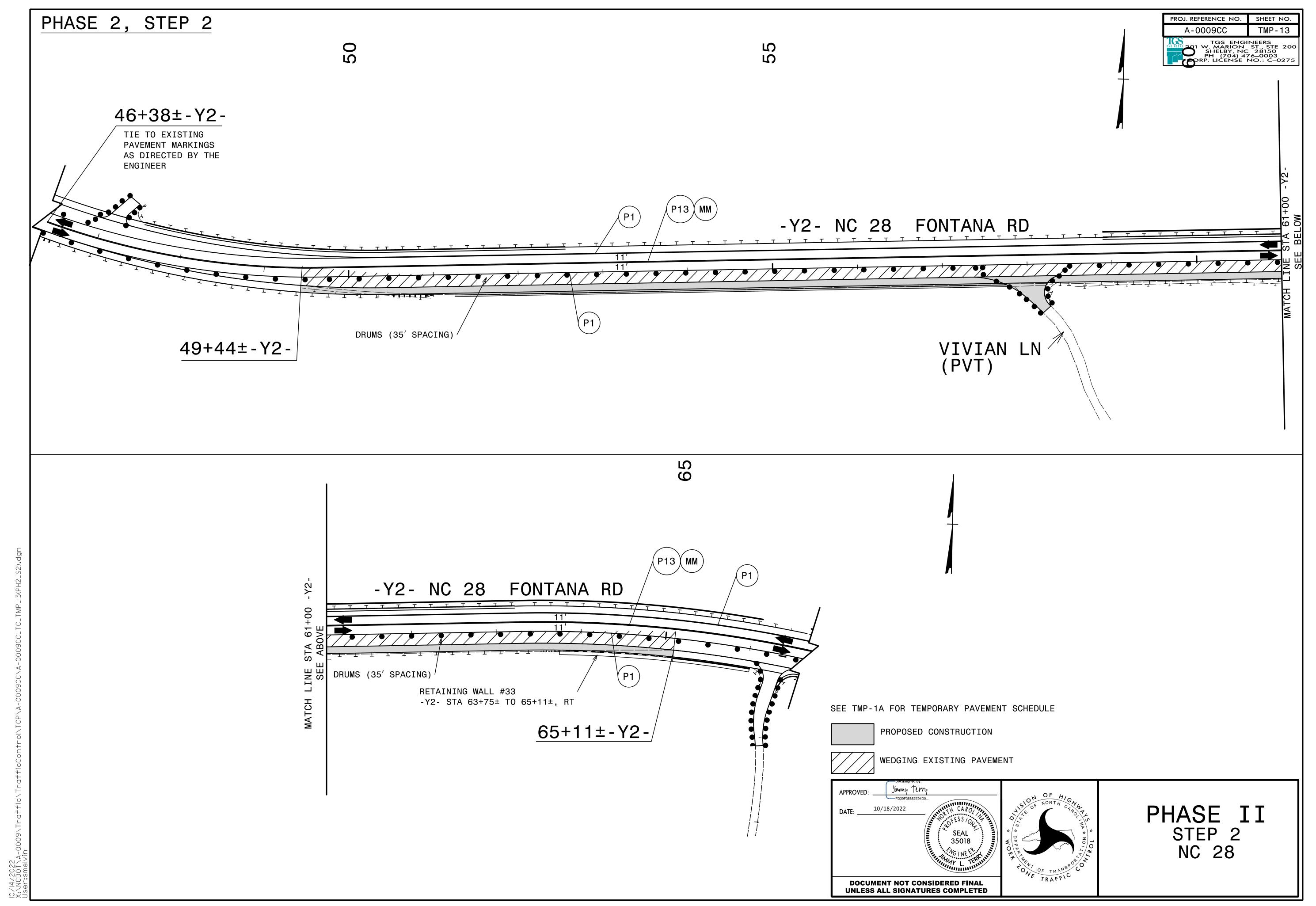


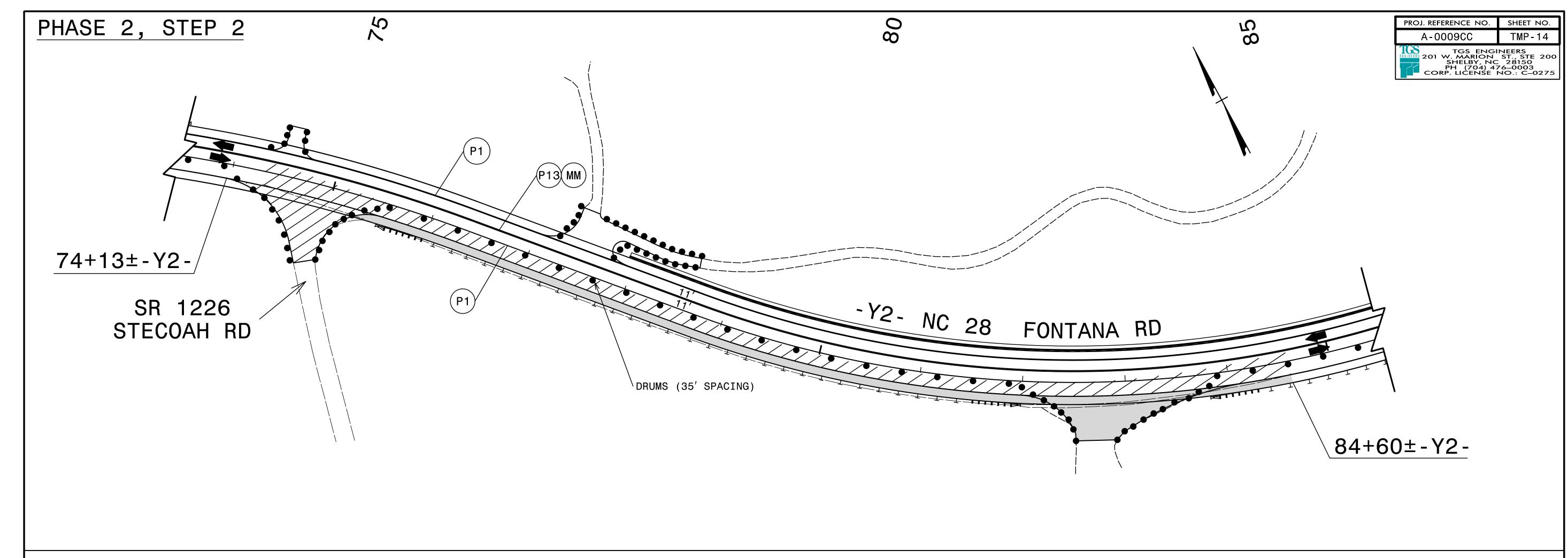


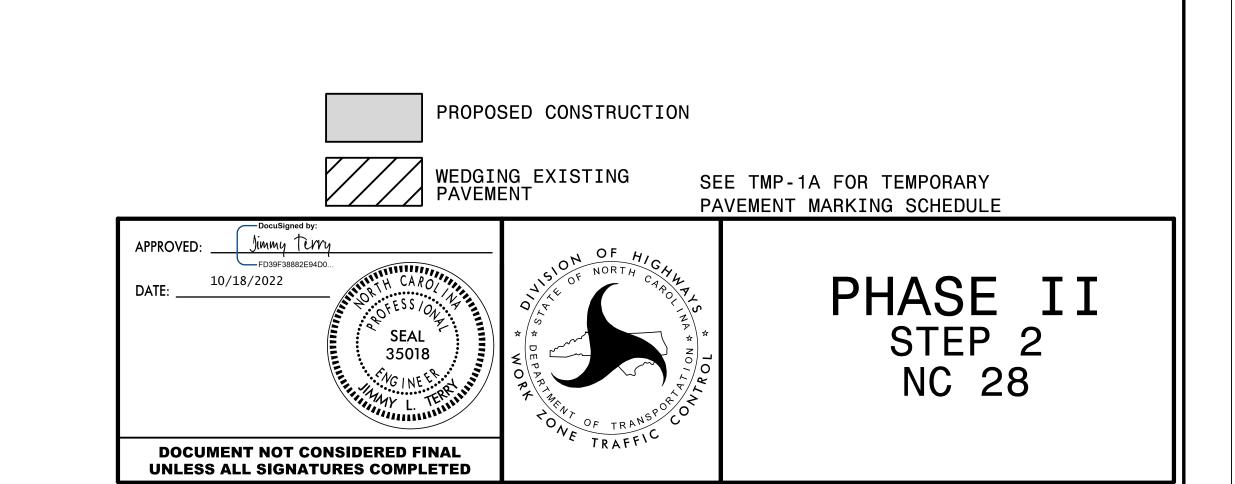
PROPOSED CONSTRUCTION WEDGING EXISTING PAVEMENT DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED

PHASE II STEP 1 NC 28

SEE SHEET TMP-1A FOR TEMPORARY PAVEMENT MARKING SCHEDULE







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