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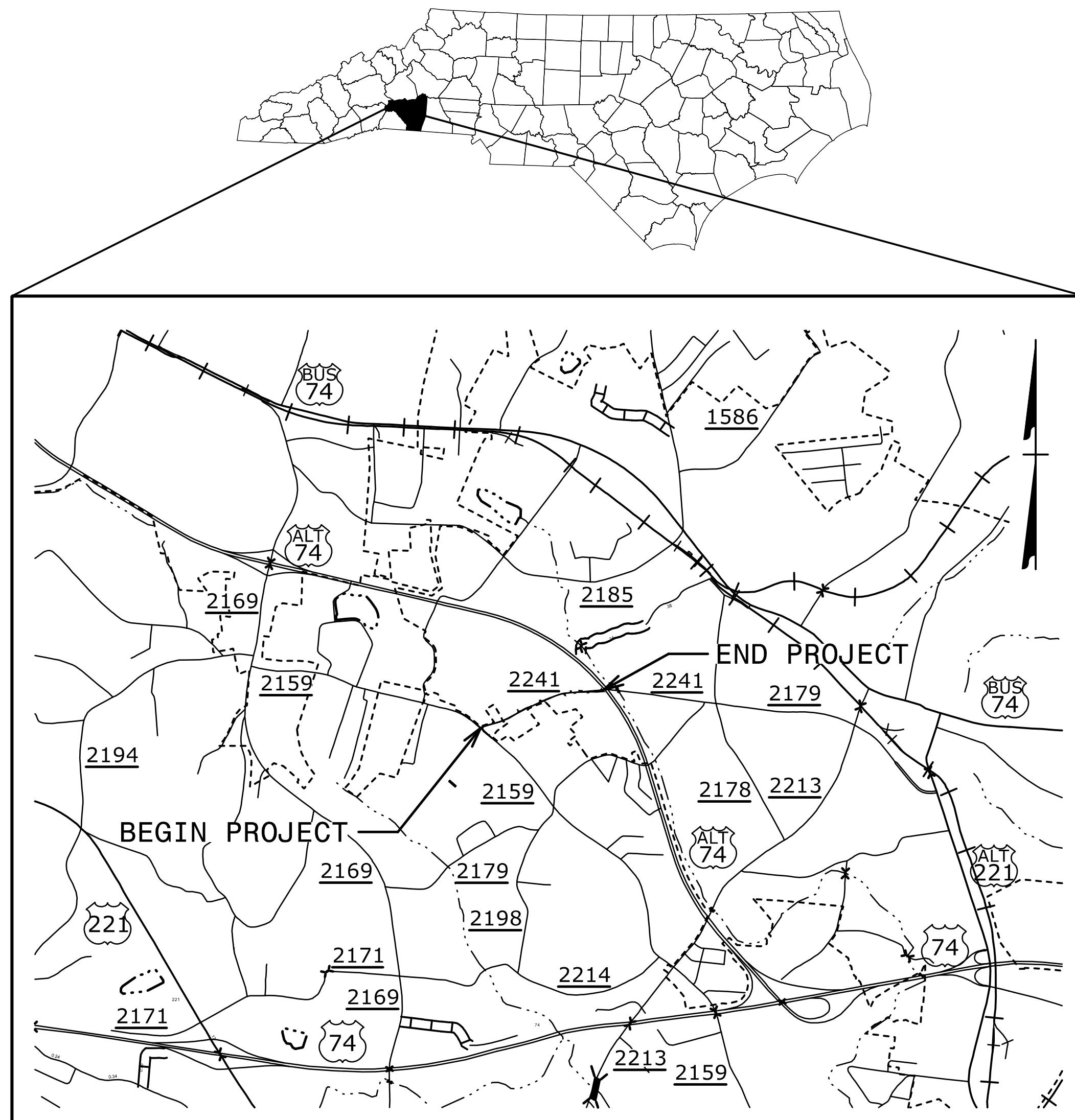
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STATE OF NORTH CAROLINA
DIVISION OF HIGHWAYS

TRANSPORTATION MANAGEMENT PLAN

RUTHERFORD COUNTY



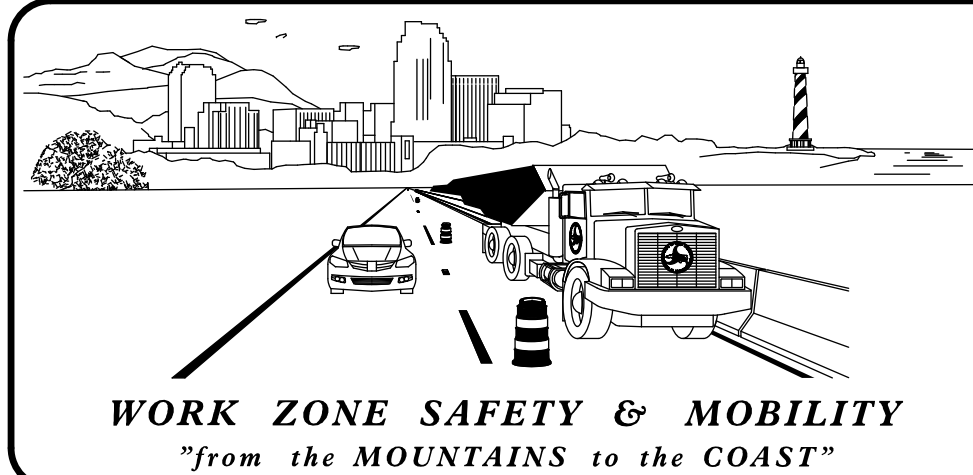
VICINITY MAP

INDEX OF SHEETS

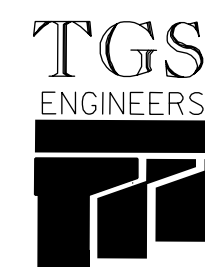
SHEET NO.	TITLE
TMP-1	TITLE SHEET, VICINITY MAP, AND INDEX OF SHEETS
TMP-1A	LIST OF APPLICABLE ROADWAY STANDARD DRAWINGS, AND LEGEND
TMP-1B	TRANSPORTATION OPERATIONS PLAN: (MANAGEMENT STRATEGIES, GENERAL NOTES, AND LOCAL NOTES)
TMP-2	PHASING
TMP-3 & TMP-4	PHASE I OVERVIEW
TMP-5	PHASE I DETAILS
TMP-6 & TMP-7	PHASE II OVERVIEW & TEMPORARY PAVEMENT MARKINGS PLAN

SHEET NO.
TMP-1

5/11/2018 X:\NGDOT\U-5833\TrafficControl\TCP\U-5833_TC_TMP_01(TSH).dgn User:smelvin



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



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

JIMMY L. TERRY, PE PROJECT ENGINEER
SANDRA G. MELVIN DESIGN TECHNICIAN

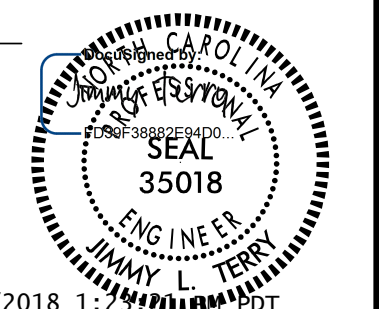


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TIP PROJECT: U-5833







ROADWAY STANDARD DRAWINGS

THE FOLLOWING ROADWAY STANDARDS AS SHOWN IN "ROADWAY STANDARD DRAWINGS" - PROJECT SERVICES UNIT - 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 ADVANCE 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	DRUM
1135.01	CONES
1145.01	BARRICADES
1150.01	FLAGGING DEVICES
1160.01	TEMPORARY CRASH CUSHION
1170.01	POSITIVE PROTECTION
1180.01	SKINNY-DRUM
1205.01	PAVEMENT MARKINGS - LINE TYPES AND OFFSETS
1205.02	PAVEMENT MARKINGS - TWO-LANE AND MULTI-LANE 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
1261.01	GUARDRAIL AND BARRIER DELINEATORS - INSTALLATION SPACING
1261.02	GUARDRAIL AND BARRIER DELINEATORS - TYPES AND MOUNTING

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

 USER DEFINED (IF NEEDED)

 USER DEFINED (IF NEEDED)












SIGNALS

-  EXISTING
-  PROPOSED
-  TEMPORARY

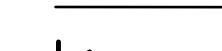


PAVEMENT MARKINGS

-  EXISTING LINES
-  TEMPORARY LINES

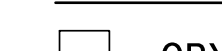


TRAFFIC CONTROL DEVICES

-  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

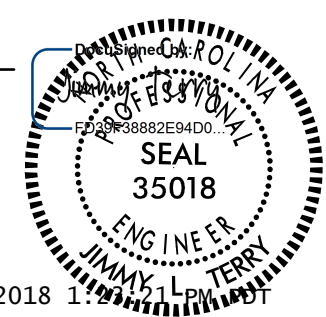

-  CRYSTAL/CRYSTAL
-  CRYSTAL/RED
-  YELLOW/YELLOW

PAVEMENT MARKING SYMBOLS


-  PAVEMENT MARKING SYMBOLS

TEMPORARY PAVEMENT MARKING

SYMBOL	DESCRIPTION	SYMBOL	DESCRIPTION
	PAINT(24")		PAINT MARKING CHARACTERS
P2	WHITE STOPBAR	QI	ALPHANUMERIC CHAR.
	PAINT(4")		PAINT MARKING SYMBOLS
PA	WHITE EDGELINE	QA	LEFT TURN ARROW
PB	YELLOW EDGELINE	QB	RIGHT TURN ARROW
PC	10 FT. WHITE SKIP	QC	STRAIGHT ARROW
PD	3 FT. - 9 FT./SP WHITE MINISKIP	QE	COMBO. STRAIGHT/RIGHT
PE	WHITE SOLID LANE LINE		
PF	10 FT. YELLOW SKIP		
PH	YELLOW SINGLE CENTER		
PI	YELLOW DOUBLE CENTER		
	PAINT(8")		
PP	YELLOW DIAGONAL		
PQ	WHITE CROSSWALK LINE		

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GENERAL NOTES

PROJ. REFERENCE NO.	SHEET NO.
U-5833	TMP-1B
 TGS ENGINEERS 804-C N. LAFAYETTE ST 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

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

ROAD NAME	DAY AND TIME RESTRICTIONS
SR 2241	MONDAY TO FRIDAY 7:00 AM TO 9:00 AM MONDAY TO FRIDAY 4:00 PM TO 7:00 PM
SR 2159	MONDAY TO FRIDAY 7:00 AM TO 9:00 AM MONDAY TO FRIDAY 4:00 PM TO 7:00 PM
US 74ALT	MONDAY TO FRIDAY 7:00 AM TO 9:00 AM MONDAY TO FRIDAY 4:00 PM TO 7:00 PM

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

ROAD NAME	HOLIDAY
SR 2241 (OAK ST EXT) SR 2159 (PINEY RIDGE RD) US 74 ALT	<ol style="list-style-type: none"> 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 7:00 P.M. JANUARY 2ND. IF NEW YEAR'S DAY IS ON A FRIDAY, SATURDAY, SUNDAY, OR MONDAY THEN UNTIL 7:00 P.M. THE FOLLOWING TUESDAY. FOR EASTER, BETWEEN THE HOURS OF 7:00 A.M. THURSDAY AND 7:00 P.M. MONDAY. FOR MEMORIAL DAY, BETWEEN THE HOURS OF 7:00 A.M. FRIDAY TO 7:00 P.M. TUESDAY. FOR INDEPENDENCE DAY, BETWEEN THE HOURS OF 7:00 A.M. THE DAY BEFORE INDEPENDENCE DAY AND 7:00 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 7:00 P.M. THE TUESDAY AFTER INDEPENDENCE DAY. FOR LABOR DAY, BETWEEN THE HOURS OF 7:00 A.M. FRIDAY AND 7:00 P.M. TUESDAY. FOR THANKSGIVING DAY, BETWEEN THE HOURS OF 7:00 A.M. TUESDAY TO 7:00 P.M. MONDAY. FOR CHRISTMAS, BETWEEN THE HOURS OF 7:00 A.M. THE FRIDAY BEFORE THE WEEK OF CHRISTMAS DAY AND 7:00 P.M. THE FOLLOWING TUESDAY AFTER THE WEEK OF CHRISTMAS.

LANE AND SHOULDER CLOSURE REQUIREMENTS

- C) 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.
- D) 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.
- E) 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.
- F) 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.
- G) 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.

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

TRAFFIC PATTERN ALTERATIONS

- J) NOTIFY THE ENGINEER TWENTY ONE (21) 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) ENSURE ALL NECESSARY SIGNING IS IN PLACE PRIOR TO ALTERING ANY TRAFFIC PATTERN.
- M) 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

- N) 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.

- O) PROTECT THE APPROACH END OF MOVABLE/PORTABLE CONCRETE BARRIER AT ALL TIMES DURING THE INSTALLATION AND REMOVAL OF THE BARRIER BY EITHER A TRUCK MOUNTED ATTENUATOR (MAXIMUM 72 HOURS) OR A TEMPORARY CRASH CUSHION.

PROTECT THE APPROACH END OF MOVABLE/PORTABLE CONCRETE BARRIER FROM ONCOMING TRAFFIC AT ALL TIMES BY A TEMPORARY CRASH CUSHION UNLESS THE APPROACH END OF MOVABLE/PORTABLE CONCRETE BARRIER IS OFFSET FROM ONCOMING TRAFFIC AS FOLLOWS OR AS SHOWN IN THE PLANS: (SEE ALSO 1101.05)

POSTED SPEED LIMIT	MINIMUM OFFSET
40 OR LESS	15 FT
45 - 50	20 FT
55	25 FT
60 MPH or HIGHER	30 FT

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.

PAVEMENT MARKINGS AND MARKERS

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

ROAD NAME	MARKING	MARKER
SR 2241	PAINT	NONE
SR 2159	PAINT	NONE

- S) INSTALL PAVEMENT MARKINGS AND PAVEMENT MARKERS ON THE FINAL SURFACE.

- 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 BEFORE INSTALLATION.

MISCELLANEOUS

- X) LAW ENFORCEMENT MAY BE USED TO MAINTAIN TRAFFIC THROUGH THE WORK AREA AND/OR INTERSECTIONS AS DIRECTED BY THE ENGINEER.
- Y) IN THE EVENT A TIE-IN CANNOT BE MADE IN ONE DAY'S TIME, BRING THE TIE-IN AREA TO AN APPROPRIATE ROADWAY ELEVATION AS DETERMINED BY THE ENGINEER. PLACE BLACK ON ORANGE "LOOSE GRAVEL" SIGNS (W8-7) AND BLACK ON ORANGE "PAVEMENT ENDS" SIGNS (W8-3) AND RESPECTIVELY IN ADVANCE OF THE UNEVEN AREAS. USE DRUMS TO DELINEATE THE EDGE OF ROADWAY ALONG UNPAVED AREAS.
- Z) 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.
- AA) 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 PROVIDE ACCESS TO ALL DRIVES AND SIDE STREETS 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,

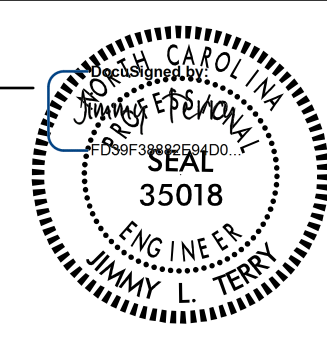

MANAGEMENT STRATEGIES

THE PROPOSED SR 2241 (OAK ST EXT) WILL BE CONSTRUCTED USING A COMBINATION OF TEMPORARY LANE CLOSURES UTILIZING FLAGGERS AS NEEDED, TEMPORARY LANE SHIFTS, AND TEMPORARY ON-SITE DETOURS TO PERFORM SOME DRAINAGE CONSTRUCTION.

THE PROPOSED SR 2159 (PINEY RIDGE RD) WILL BE CONSTRUCTED USING TEMPORARY LANE CLOSURES UTILIZING FLAGGERS AS NEEDED.

THE PROPOSED TURN LANE ON US 74 ALT WILL BE CONSTRUCTED USING TEMPORARY LANE CLOSURES.

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PHASING

PROJ. REFERENCE NO. U-5833	SHEET NO. TMP-2
TGS ENGINEERS 804-C N. LAFAYETTE ST SHELBY, NC 28150 PH (704) 476-0003 CORP. LICENSE NO. C-0275	

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

PHASE I

STEP 1:

INSTALL ALL ADVANCE WORK ZONE WARNING SIGNS ON -L- AND ALL -Y- LINES IN ACCORDANCE WITH NCDOT STD DRAWING 1101.01, SHEET 2 AND 3 OF 3.

US 74 CONSTRUCTION:

STEP 2:

USING TEMPORARY LANE CLOSURES LENGTHEN THE EXISTING NORTHBOUND LEFT TURN LANE AS SHOWN ON PLANS UP TO AND INCLUDING THE FINAL LAYER OF PAVEMENT.

SEE TMP-4 AND ROADWAY PLAN DETAIL SHEET 2B-1. SEE NCDOT STD DRAWING 1101.02, SHEET 3 OF 14.

STEP 3:

USING TEMPORARY LANE CLOSURES PLACE THE FINAL PAVEMENT MARKINGS AS SHOWN ON PLANS. SEE FINAL PAVEMENT MARKING PLANS.

OAK ST EXT (-L-) CONSTRUCTION:

STEP 2:

BEGIN ROADWAY DRAINAGE CONSTRUCTION. SEE ROADWAY PLANS.

CONSTRUCTION SEQUENCE AT 54" CROSS PIPE AT -L- STA 34+89+/-:

1. MAINTAIN TWO WAY TRAFFIC IN EXISTING PATTERN. CONSTRUCT DRAINAGE STRUCTURES 0627 AND 0628, AND OTHER TEMPORARY STORM DRAINAGE STRUCRURES AS SHOWN ON PLAN SHEET 2B-3.

NOTE: CONTRACTOR IS TO BACKFILL FLUSH WITH TOP OF DRAINAGE STRUCTURES PRIOR TO PLACING TRAFFIC ON DETOUR.

2. CONSTRUCT -DET1-, PLACE TEMPORARY CONCRETE PORTABLE BARRIER AND TEMPORARY CRUSH CUSHION AS SHOWN ON PLANS. PLACE TEMPORARY PAVEMENT MARKINGS. SHIFT TRAFFIC ONTO DETOUR -DET1-
3. START PUMP-AROUND FROM STRUCTURE 0627 TO 0629
CONSTRUCT 72'+/- LF OF 54" RCP.
4. CONSTRUCT -DET2-, RESET THE CONCRETE PORTABLE BARRIER AND TEMPORARY CRASH CUSHION AS SHOWN ON PLANS. PLACE TEMPORARY PAVEMENT MARKINGS. SHIFT TRAFFIC ONTO DETOUR -DET2-
5. CONSTRUCT THE REMAINING PORTION OF 54" RCP(68'+/-).
6. PLACE TRAFFIC IN EXISTING PATTERN AND REMOVE THE ONSITE DETOURS.

SEE TMP-5, SEE NCDOT STD DRAWING 1101.03, SHEET 3 OF 9.

STEP 3:

WITH TRAFFIC IN ITS EXISTING PATTERN AND USING TEMPORARY LANE CLOSURES AND FLAGGERS AS NEEDED WIDEN OAK ST EXT (-L-) UP TO BUT NOT INCLUDING THE FINAL LAYER OF SURFACE COURSE AS FOLLOWS:
 -L- STA. 10+18+/- TO 23+58+/- LT, INCLUDING THE ENTRANCE AT 20+59+/- LT
 -L- STA. 28+23+/- TO 36+71+/- LT
 -L- STA 42+20+/- TO 42+52+/- LT
 -L- STA 17+06+/- TO 43+88+/- RT, INCLUDING FLOWE RD AND ALLENDALE DR.

USING TEMPORARY LANE CLOSURES, FLAGGERS AND UTILIZING THE WIDENED PAVEMENT WHEN NECESSARY PLACE CURB AND GUTTER AS FOLLOWS:

- L- STA 10+18+/- TO 42+52+/- LT
- L- STA 10+18+/- TO 33+09+/- RT (CURB RETURN AT ALLENDALE DR)
- L- STA 36+19+/- (CURB RETURN RT DRIVE) TO 43+88+/- RT

CLOSE THE EXISTING SIDEWALK TO PEDESTRIANS AND CONSTRUCT A NEW SIDEWALK AS FOLLOWS:

- L- STA 10+18+/- TO 42+52+/- LT
- L- STA 10+18+/- TO 32+94+/- RT
- L- STA 36+19+/- TO 43+88+/- RT

CONSTRUCT A RETAINING WALL FROM -L- STA. 41+54+/- TO 43+00+/- RT.

SEE TMP-3 AND TMP-4. SEE NCDOT STD DRAWING 1101.02, SHEET 1 OF 14.

STEP 4:

USING TEMPORARY LANE CLOSURES, FLAGGERS AND UTILIZING THE WIDENED PAVEMENT WHEN NECESSARY PLACE CURB AND GUTTER FROM -L- STA 33+09+/- TO 36+19+/- RT, AND SIDEWALK FROM -L- STA 32+94+/- TO 36+19+/-.

USING TEMPORARY LANE CLOSURES AND FLAGGERS AS NEEDED AND SHIFTING TRAFFIC IF NECESSARY WEDGE THE EXISTING PAVEMENT UP TO BUT NOT INCLUDING THE FINAL LAYER OF SURFACE COURSE:
 -L- STA 10+18+/- TO 43+30+/-

SEE TMP-3 AND TMP-4. SEE NCDOT STD DRAWING 1101.02, SHEET 1 OF 14.

PINEY RIDGE RD (-Y-) CONSTRUCTION:

STEP 2:

BEGIN ROADWAY DRAINAGE CONSTRUCTION (SEE ROADWAY PLANS).

STEP 3:

WITH TRAFFIC IN ITS EXISTING PATTERN AND USING TEMPORARY LANE CLOSURES AND FLAGGERS AS NEEDED WIDEN PINEY RIDGE RD (-Y-) AS FOLLOWS UP TO BUT NOT INCLUDING THE FINAL LAYER OF SURFACE COURSE:
 -Y- STA 10+25+/- TO 22+00+/- LT
 -Y- STA 10+25+/- TO 22+00+/- RT

SEE TMP-3. SEE NCDOT STD DRAWING 1101.02, SHEET 1 OF 14.

STEP 4:

USING TEMPORARY LANE CLOSURES AND FLAGGERS AS NEEDED WEDGE THE EXISTING PAVEMENT UP TO BUT NOT INCLUDING THE FINAL LAYER OF SURFACE COURSE:
 -Y- STA 10+25+/- TO 22+00+/-

SEE TMP-3. SEE NCDOT STD DRAWING 1101.02, SHEET 1 OF 14.

PHASE II

STEP 1:

USING TEMPORARY LANE CLOSURES AND FLAGGERS AS NEEDED PLACE TEMPORARY PAVEMENT MARKINGS AS FOLLOWS:
 -L- STA. 10+18+/- TO 43+30+/-
 -Y- STA 10+25+/- TO 22+00+/-

SEE TMP-6 AND TMP-7. SEE NCDOT STD DRAWING 1101.02, SHEET 1 OF 14.

STEP 2:

INSTALL NEW SIGNAL SYSTEM AT THE INTERSECTION OF OAK ST EXT (-L-) AND PINEY RIDGE RD (-Y-). (SEE SIGNAL PLANS FOR PHASING SEQUENCE)

STEP 3:

PLACE CONCRETE MEDIAN FROM -L- STA 39+75+/- TO 43+04+/-.

USING TEMPORARY LANE CLOSURES AND FLAGGERS AS NEEDED PLACE THE FINAL LAYER OF SURFACE COURSE AS FOLLOWS:

- L- STA. 10+18+/- TO 43+30+/-
- Y- STA 10+25+/- TO 22+00+/-

PLACE CONCRETE ISLAND LT OF -L- STA. 43+00+/-.

SEE TMP-6 AND TMP-7. SEE NCDOT STD DRAWING 1101.02, SHEET 1 OF 14.

STEP 4:

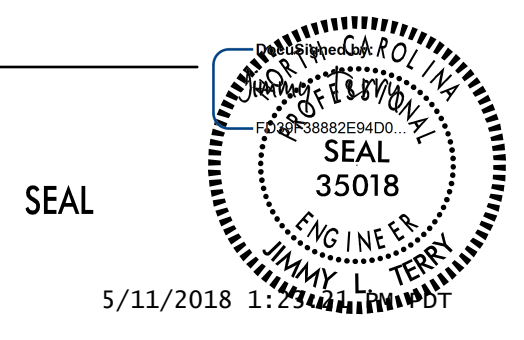

USING TEMPORARY LANE CLOSURES AND FLAGGERS AS NEEDED PLACE FINAL PAVEMENT MARKINGS AS FOLLOWS:

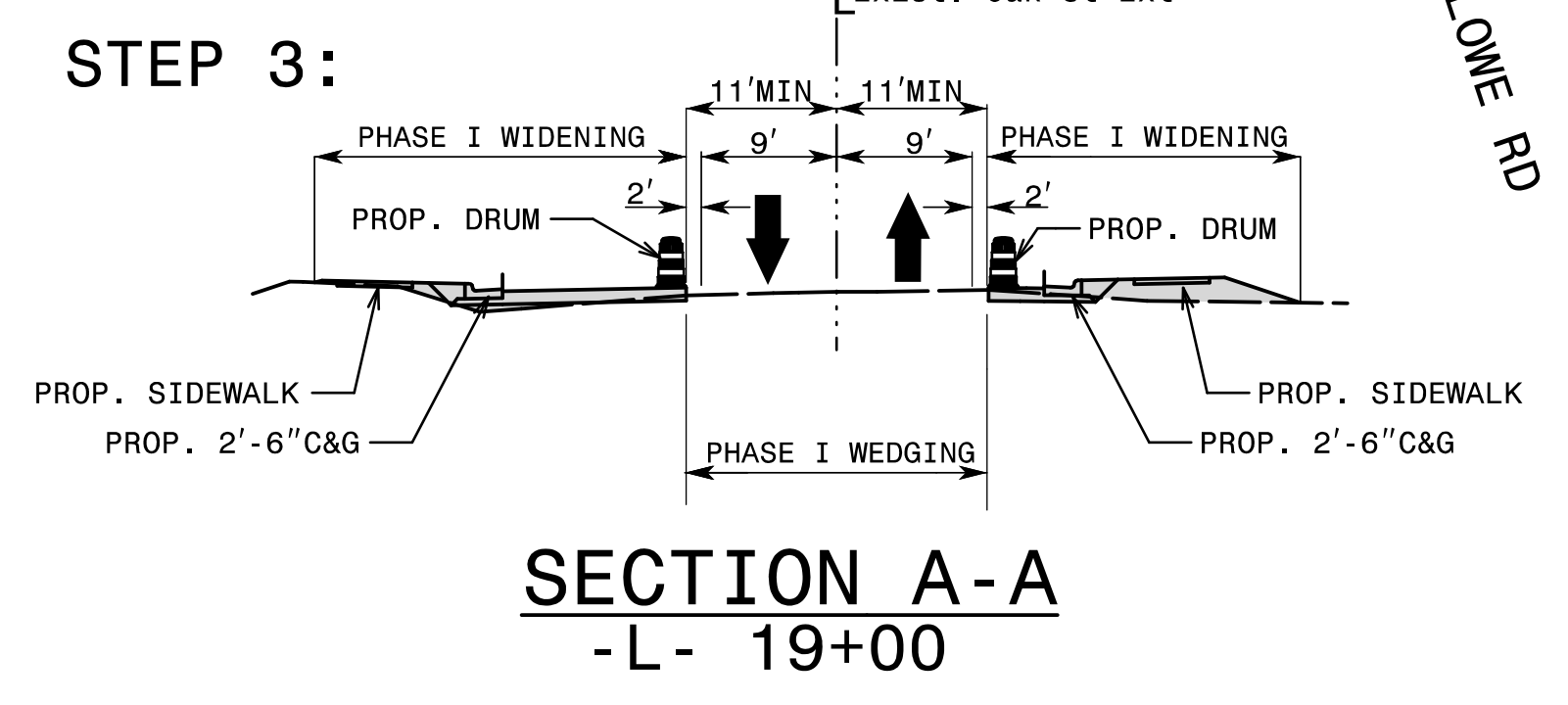
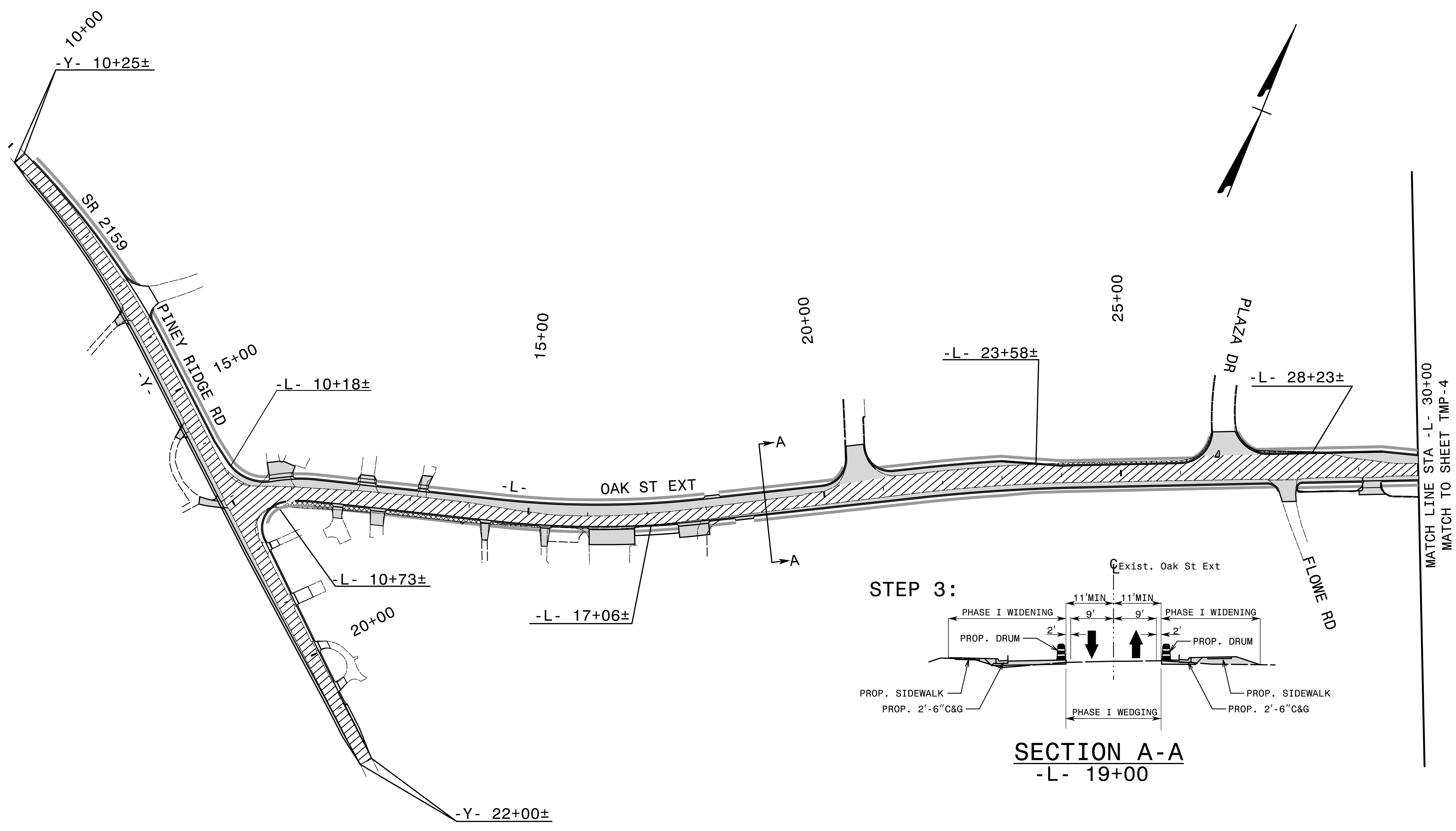
- L- STA. 10+18+/- TO 43+30+/-
- Y- STA 10+25+/- TO 22+00+/-

SEE PAVEMENT MARKING PLANS



REMOVE ALL TRAFFIC CONTROL DEVICES AND OPEN OAK ST (-L-) AND PINEY RIDGE RD (-Y-) TO TRAFFIC.

5/11/2018
 X:\NCDOT\AU-5833\TrafficControl\TCP\U-5833_TC_TMP_02(Phasing).dgn
 User: smelvin

APPROVED: _____ DATE: _____ <div style="text-align: center;">  </div>		<h2 style="margin: 0;">PHASING</h2>
DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED		

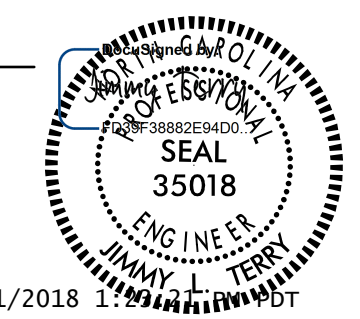


5/11/2018
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 User:smelvin

LEGEND
 PROP. CONSTRUCTION 
 PROP. WEDGING 

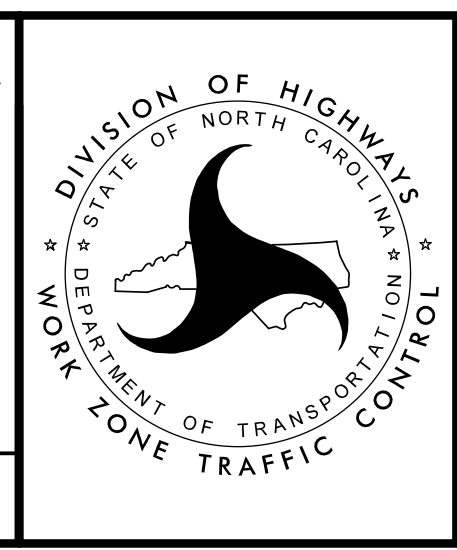
APPROVED: _____
 DATE: _____

SEAL

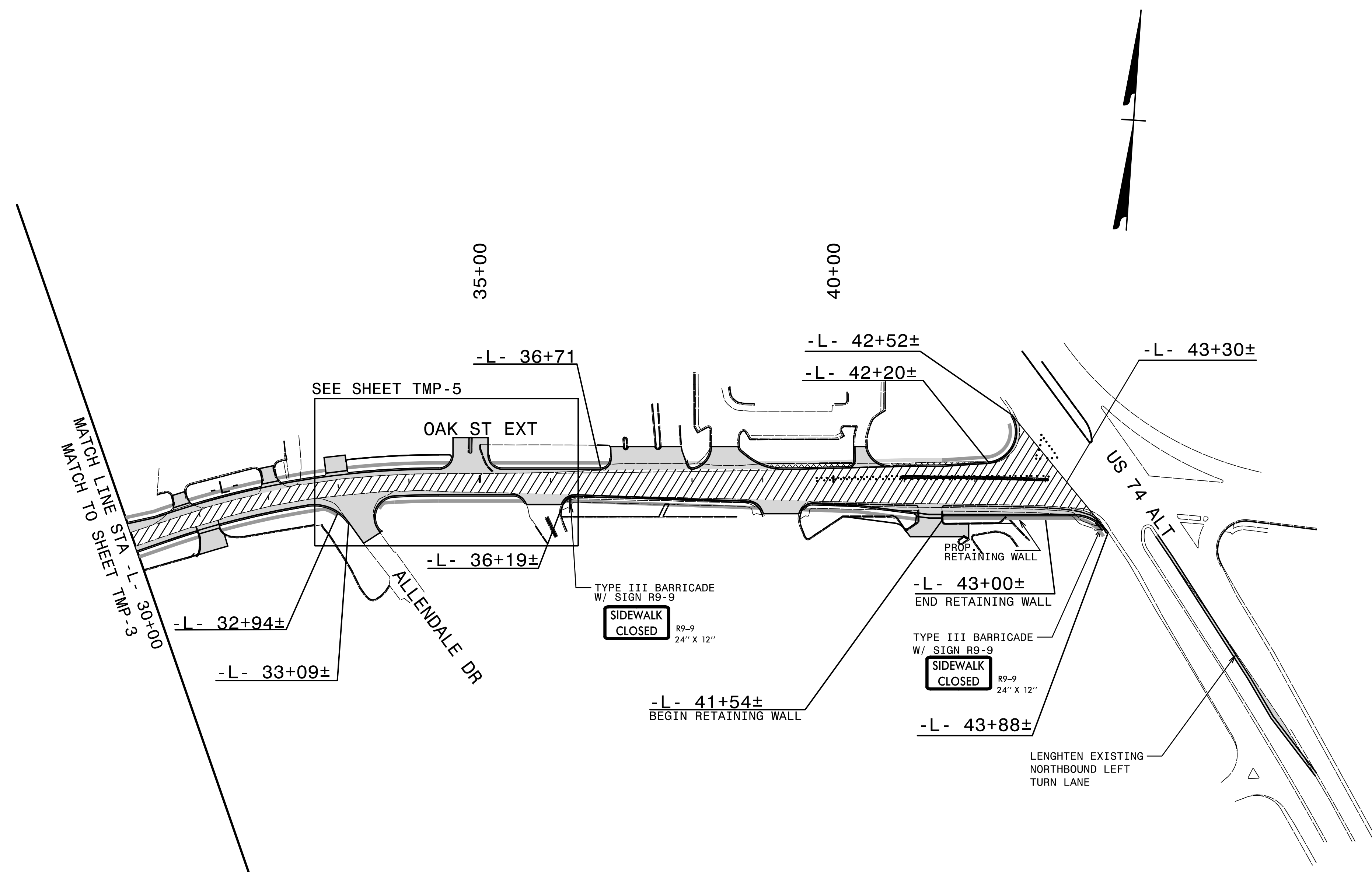


5/11/2018 1:00 PM

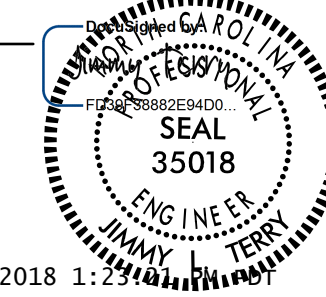
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UNLESS ALL SIGNATURES COMPLETED**

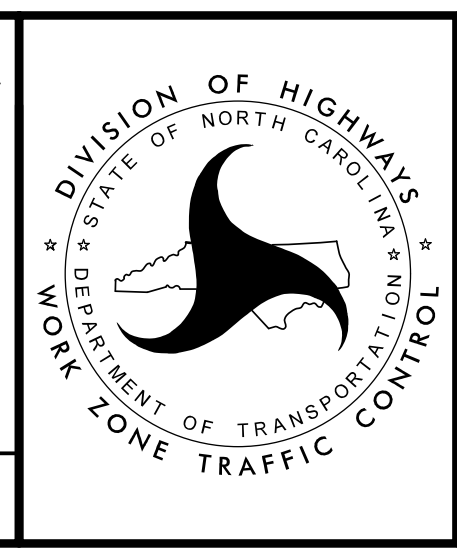


**PHASE I
OVERVIEW**



5/11/2018
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User:smelvin

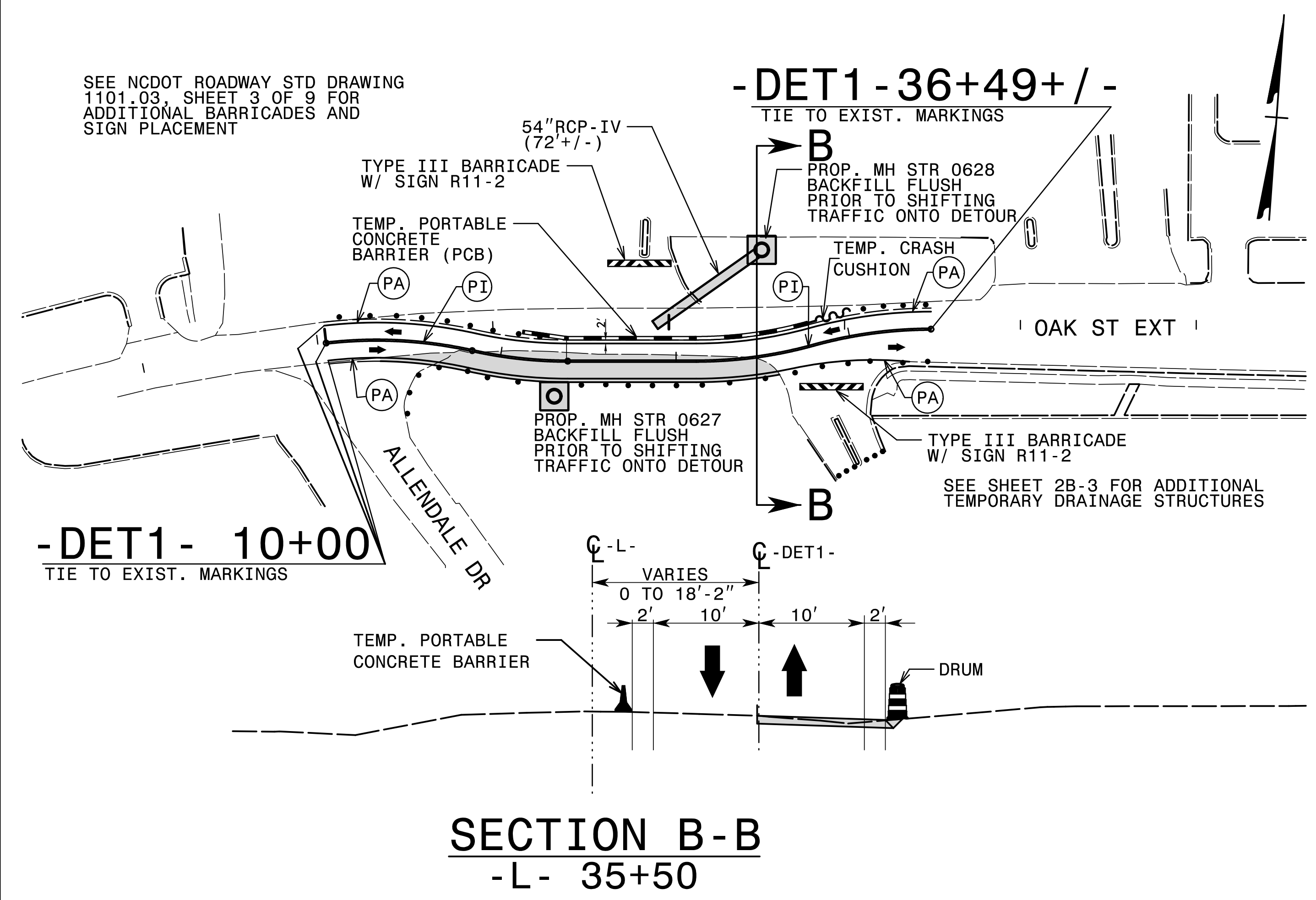
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**PHASE I
OVERVIEW**

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

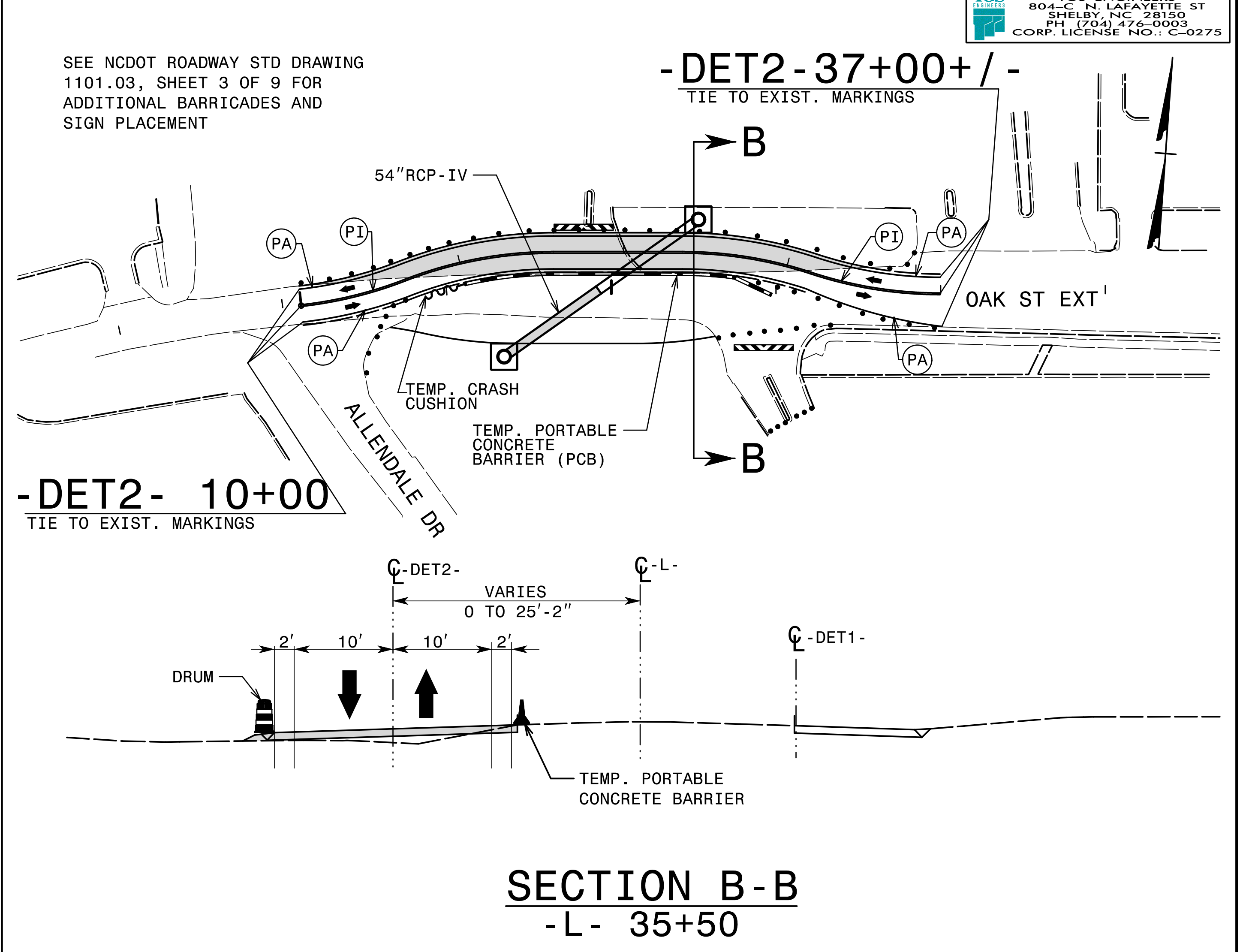
STEP 1 THRU 3:



STEPS 4 AND 5:

PROJ. REFERENCE NO.	SHEET NO.
U-5833	TMP-5

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



SEE SHEET TMP-1A FOR TEMPORARY PAVEMENT MARKING SCHEDULE

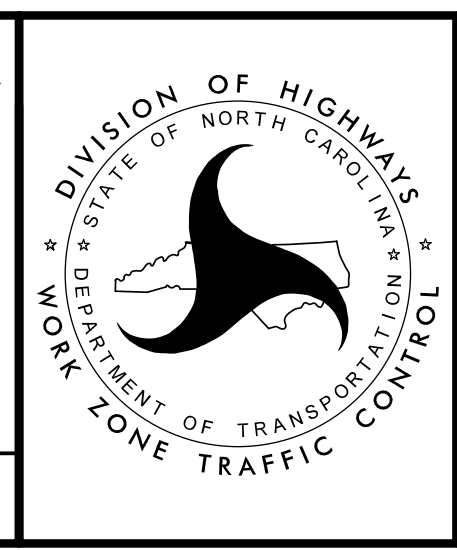
CONSTRUCTION AT 54" CROSS PIPE AT -L- STA 34+89+/-

APPROVED: _____
DATE: _____

SEAL

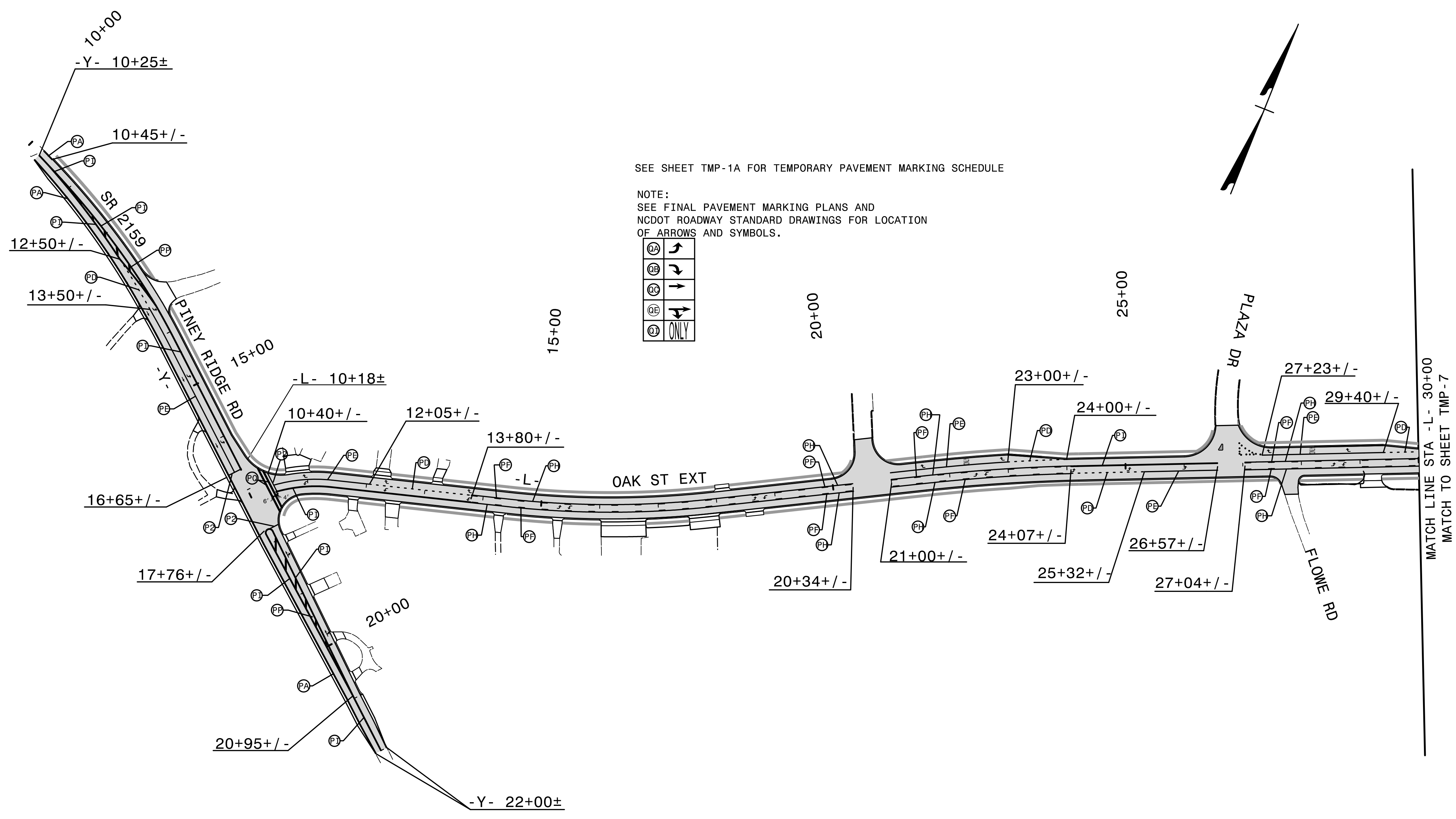
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DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED



PHASE I
DETAIL 1

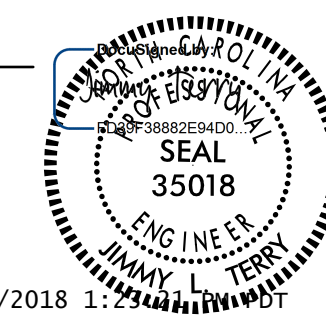
5/11/2018 1:00 PM PDT
X:\NCDOT\U-5833\TrafficControl\TCP\U-5833_TC_TMP_05(PhI)Detail.dgn
User: smelvin



5/11/2018
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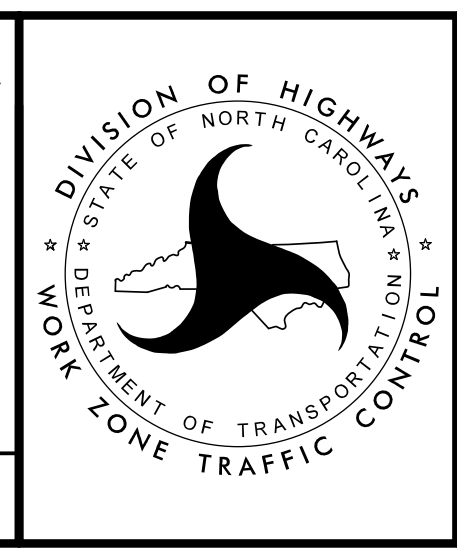
APPROVED: _____
 DATE: _____

SEAL



5/11/2018 1:17:00 PM

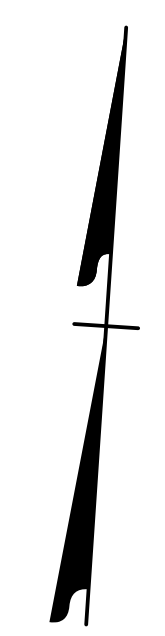
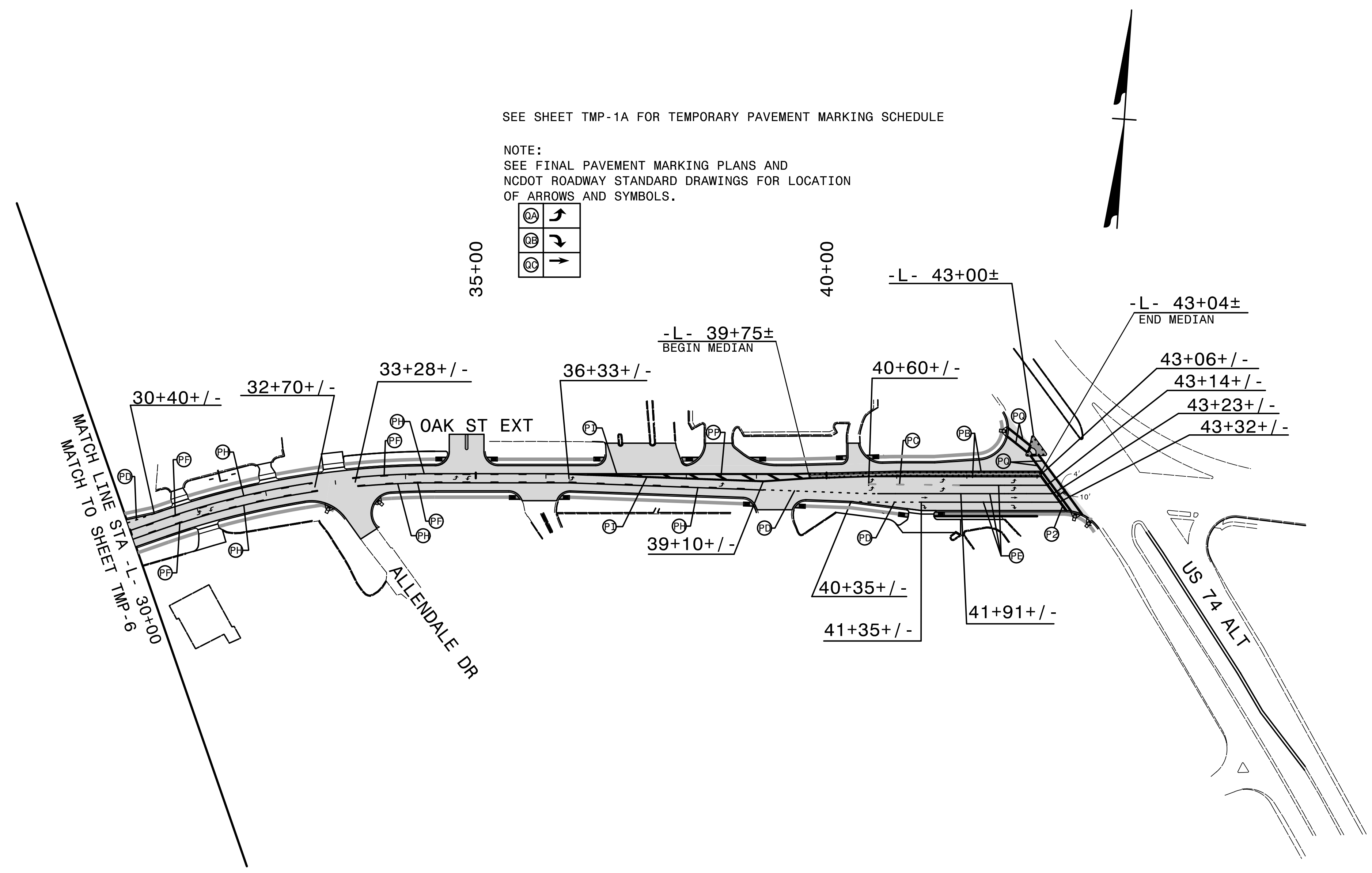
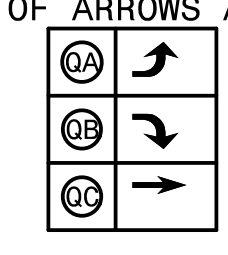
**DOCUMENT NOT CONSIDERED FINAL
UNLESS ALL SIGNATURES COMPLETED**



PHASE II OVERVIEW

SEE SHEET TMP-1A FOR TEMPORARY PAVEMENT MARKING SCHEDULE

NOTE:
SEE FINAL PAVEMENT MARKING PLANS AND
NCDOT ROADWAY STANDARD DRAWINGS FOR LOCATION
OF ARROWS AND SYMBOLS.



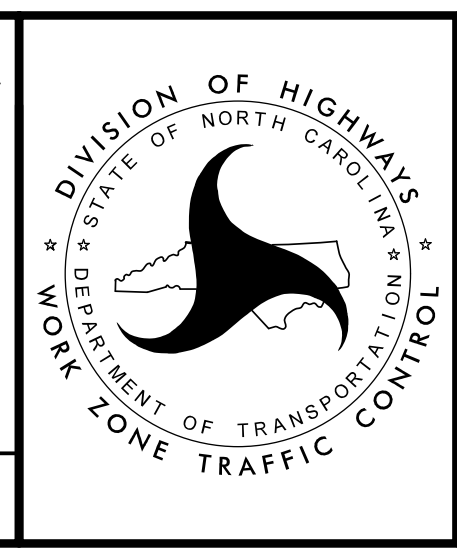
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User:smelvin

APPROVED: _____
DATE: _____

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5/11/2018 1:22:00 PM

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UNLESS ALL SIGNATURES COMPLETED**



PHASE II OVERVIEW