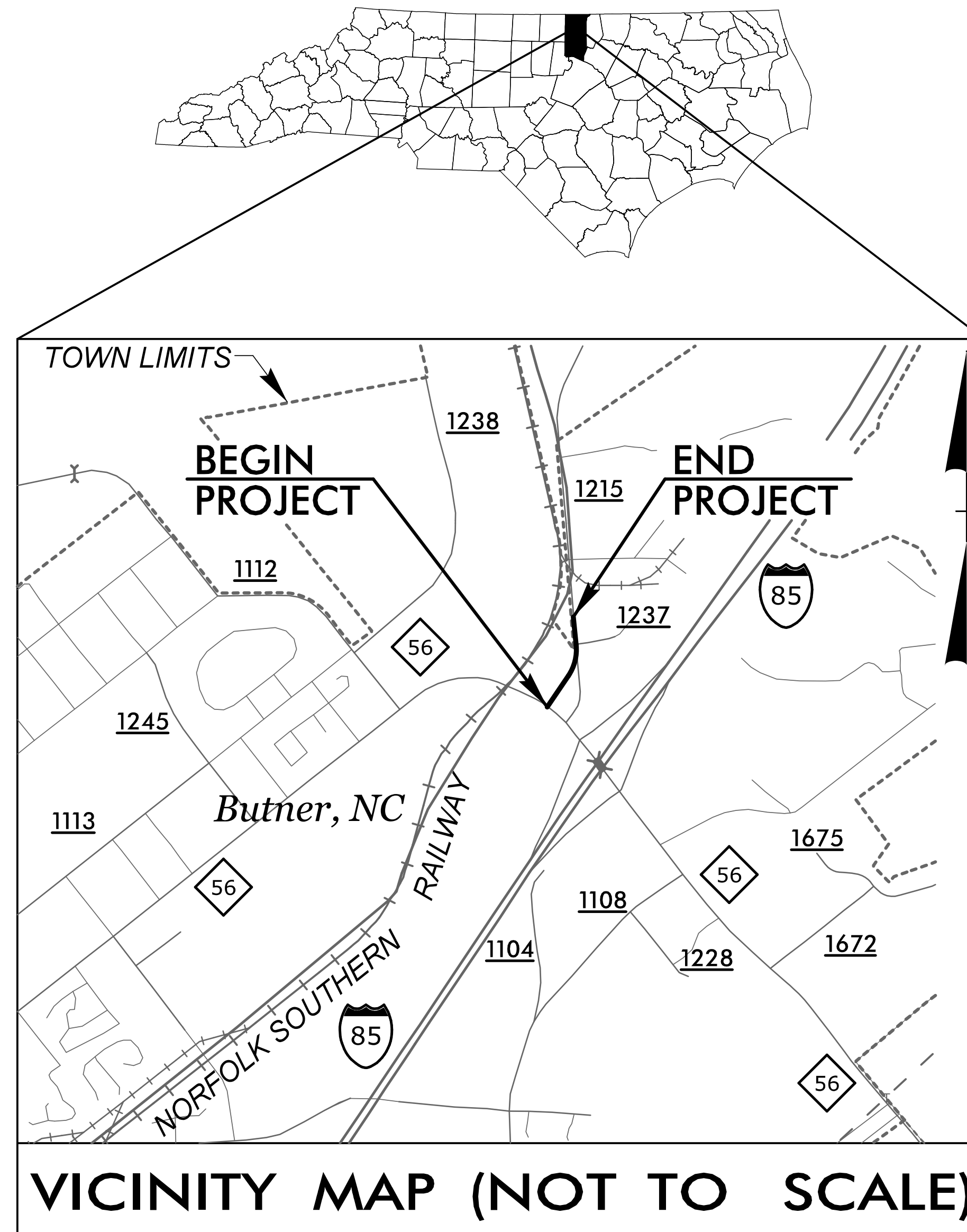


STATE OF NORTH CAROLINA  
DIVISION OF HIGHWAYS

**TRANSPORTATION MANAGEMENT PLAN**

**GRANVILLE COUNTY**



**INDEX OF SHEETS**

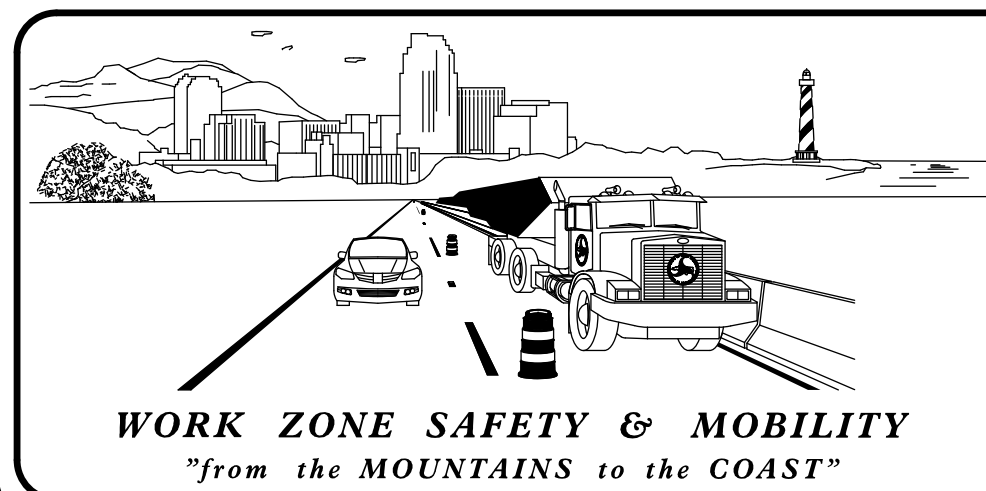
SHEET NO.	TITLE
TMP-1	TITLE SHEET, VICINITY MAP, AND INDEX OF SHEETS
TMP-1A	LIST OF APPLICABLE ROADWAY STANDARD DRAWINGS, LEGEND, AND TEMPORARY PAVEMENT MARKING SCHEDULE
TMP-1B THRU TMP-1C	GENERAL NOTES
TMP-1D	PHASING
TMP-2	PHASE I DETAILS
TMP-3-4	PHASE II DETAILS
TMP-5	PHASE III DETAILS
TMP-6	PHASE IV DETAILS

SHEET NO.

TMP-1

**PROJECT: U-6020**

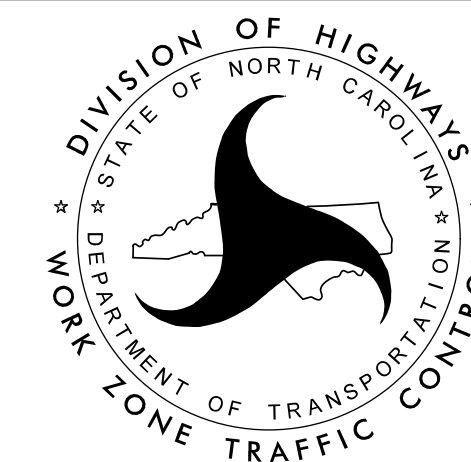
**NCDOT CONTACT INFORMATION:**  
(919) 220-4600  
**BEN UPSHAW, PE**  
Division 5 Project Delivery



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

**TGS ENGINEERS**  
706 HILLSBOROUGH ST.  
SUITE 200  
RALEIGH, NC 27603  
PH (919) 773-8887  
CORP. LICENSE NO. : C-0275

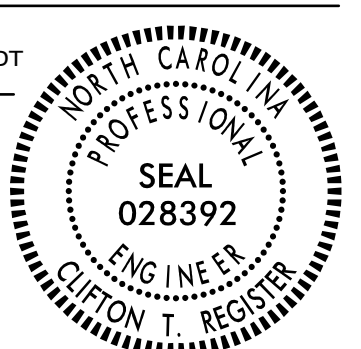
TOMMY REGISTER, PE PROJECT ENGINEER  
PAUL SCHULKEN, EI DESIGN ENGINEER



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# 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 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
1101.04	TEMPORARY SHOULDER CLOSURES
1101.05	WORK ZONE VEHICLE ACCESSES
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	FLAGGERS
1165.01	TRUCK MOUNTED ATTENUATOR
1180.01	SKINNY DRUMS
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
1205.06	PAVEMENT MARKINGS - LANE DROPS
1205.08	PAVEMENT MARKINGS - SYMBOLS AND WORD MESSAGES
1205.09	PAVEMENT MARKINGS - PAINTED ISLANDS

# LEGEND

## GENERAL

- DIRECTION OF TRAFFIC FLOW
- DIRECTION OF PEDESTRIAN TRAFFIC FLOW
- EXIST. PVMT.
- NORTH ARROW
- PROPOSED PVMT.

- WORK AREA
- PAVEMENT REMOVAL

## SIGNALS

- EXISTING
- PROPOSED

## 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 MARKING SYMBOLS

- PAVEMENT MARKING SYMBOLS

## TEMPORARY PAVEMENT MARKING

SYMBOL	DESCRIPTION
PAINT (4")	
P8	2 FT. - 6 FT./SP WHITE MINISKIP
PA	WHITE EDGELINE
PB	YELLOW EDGELINE
PC	10 FT. WHITE SKIP
PD	3 FT. - 9 FT./SP WHITE MINISKIP
PE	WHITE SOLID LANE LINE
PI	YELLOW DOUBLE CENTER
PAINT (8")	
PN	WHITE GORELINE
PO	WHITE DIAGONAL
PP	YELLOW DIAGONAL
PAINT (24")	
P2	WHITE STOPBAR
PAINT (16")	
P60	WHITE LINE, RR X
PAINT PAVEMENT MARKING SYMBOLS	
P100 WHITE ALPHANUMERIC CHARACTER	

2/7/2024  
 X:\NC001\U-6020\TrafficControl\CP\U-6020\_TC\_TMP\_00A\STA & Legend.dgn  
 User: tbrannan

APPROVED: DATE: 4/26/2024   8:45 AM EDT			ROADWAY STANDARD DRAWINGS, LEGEND, & TEMPORARY PAVEMENT MARKING SCHEDULE
DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED			

# GENERAL NOTES

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

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

## TIME RESTRICTIONS

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

ROAD NAME	DAILY TIME RESTRICTIONS
-L- (PROP. SR 1215)	MONDAY THRU FRIDAY
-Y1- (NC 56)	7:00 A.M.-9:00 A.M. & 4:00 P.M.-7:00 P.M.
-Y2- (EX. SR 1215)	
I-85 RAMP A (-RPA-)	
I-85 RAMP B (-RPB-)	

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

ROAD NAME	HOLIDAY
-L- (PROP. SR 1215)	
-Y1- (NC 56)	
-Y2- (EX. SR 1215)	
I-85 RAMP A (-RPA-)	
I-85 RAMP B (-RPB-)	

- 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.

C) DO NOT CLOSE ROADS AS FOLLOWS:

ROAD NAME	DAILY TIME RESTRICTIONS	OPERATION
I-85	MONDAY THRU SUNDAY 6:00 A.M. TO 10:00 P.M.	BRIDGE PRESERVATION

BOTH DIRECTIONS OF I-85 SHALL NOT BE CLOSED SIMULTANEOUSLY

D) DO NOT CLOSE ROADS DURING HOLIDAYS AND SPECIAL EVENTS AS FOLLOWS:

ROAD NAME	HOLIDAY
I-85	

- FOR ANY UNEXPECTED OCCURRENCE THAT CREATES UNUSUALLY HIGH TRAFFIC VOLUMES, AS DIRECTED BY THE ENGINEER.
- FOR NEW YEAR'S, BETWEEN THE HOURS OF 6:00 A.M. DECEMBER 31st TO 10:00 P.M. JANUARY 2ND. IF NEW YEAR'S DAY IS ON A FRIDAY, SATURDAY, SUNDAY, OR MONDAY THEN UNTIL 10:00 P.M. THE FOLLOWING TUESDAY.
- FOR EASTER, BETWEEN THE HOURS OF 6:00 A.M. THURSDAY AND 10:00 P.M. MONDAY.
- FOR MEMORIAL DAY, BETWEEN THE HOURS OF 6:00 A.M. FRIDAY TO 10:00 P.M. TUESDAY.
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IF INDEPENDENCE DAY IS ON A FRIDAY, SATURDAY, SUNDAY OR MONDAY THEN BETWEEN THE HOURS OF 6:00 A.M. THE THURSDAY BEFORE INDEPENDENCE DAY AND 10:00 P.M. THE TUESDAY AFTER INDEPENDENCE DAY.
- FOR LABOR DAY, BETWEEN THE HOURS OF 6:00 A.M. FRIDAY AND 10:00 P.M. TUESDAY.
- FOR THANKSGIVING DAY, BETWEEN THE HOURS OF 6:00 A.M. TUESDAY TO 10:00 P.M. MONDAY.
- FOR CHRISTMAS, BETWEEN THE HOURS OF 6:00 A.M. THE FRIDAY BEFORE THE WEEK OF CHRISTMAS DAY AND 10:00 P.M. THE FOLLOWING TUESDAY AFTER THE WEEK OF CHRISTMAS.

## LANE AND SHOULDER CLOSURE REQUIREMENTS

- E) 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.
- F) 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.
- G) 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.
- H) 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.

I) 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.

J) DO NOT INSTALL MORE THAN ONE LANE CLOSURE IN ANY DIRECTION ON -L- AND ALL -Y- LINES.

## PAVEMENT EDGE DROP OFF REQUIREMENTS

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

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

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

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

L) DO NOT EXCEED A DIFFERENCE OF 2 INCHES IN ELEVATION BETWEEN OPEN LANES OF TRAFFIC FOR NOMINAL LIFTS OF 1.5 INCHES. INSTALL ADVANCE WARNING "UNEVEN LANES" SIGNS (W8-11) 200 FT IN ADVANCE AND A MINIMUM OF EVERY HALF MILE THROUGHOUT THE UNEVEN AREA.

## TRAFFIC PATTERN ALTERATIONS

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

## SIGNING

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

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

## 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 ADDITIONAL SETS OF THREE CHANNELIZING DEVICES (DRUMS) PERPENDICULAR TO THE EDGE OF TRAVELWAY ON 500 FT CENTERS WHEN UNOPENED LANES ARE CLOSED TO TRAFFIC.

## PAVEMENT MARKINGS AND MARKERS

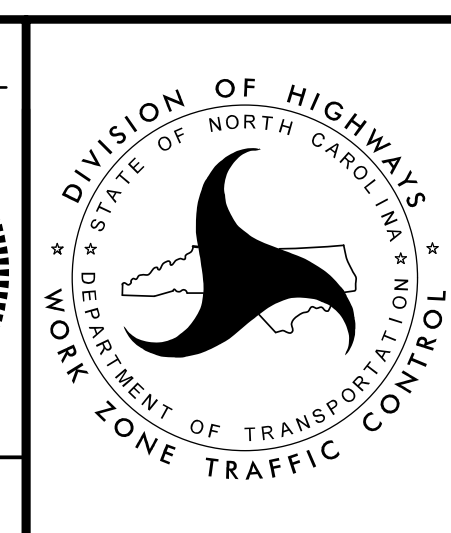
R) INSTALL TEMPORARY PAVEMENT MARKINGS ON INTERIM LAYERS OF PAVEMENT AS FOLLOWS:

ROAD NAME	MARKING
WEST LYON STATION RD. NC 56	PAINT PAINT

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TRANSPORTATION OPERATIONS PLAN

PROJ. REFERENCE NO.	SHEET NO.
U-6020	TMP-1C

TGS ENGINEERS  
706 HILLSBOROUGH ST. SUITE 200  
RALEIGH, NC 27603  
PH (919) 773-8887  
CORP. LICENSE NO.: C-0275

## GENERAL NOTES CONT.

- S) 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.
  - T) TIE PROPOSED PAVEMENT MARKING LINES TO EXISTING PAVEMENT MARKING LINES.
  - U) REMOVE/REPLACE ANY CONFLICTING/DAMAGED PAVEMENT MARKINGS AND MARKERS BY THE END OF EACH DAY'S OPERATION.
  - V) 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
- W) LAW ENFORCEMENT MAY BE USED TO MAINTAIN TRAFFIC THROUGH THE WORK AREA AND/OR INTERSECTIONS AS DIRECTED BY THE ENGINEER.

## LOCAL NOTES

ACCESS TO ALL DRIVEWAYS MUST BE PROVIDED AT ALL TIMES WITHIN THE PROJECT LIMITS.

UTILITY SERVICES SHALL BE MAINTAINED TO ALL FACILITIES DURING CONSTRUCTION.

PROVIDE ONE THIRTY (30) CALENDAR DAYS NOTICE TO THE ENGINEER, GRANVILLE COUNTY EMERGENCY SERVICES, AND GRANVILLE COUNTY SCHOOL OFFICIALS PRIOR TO CONSTRUCTION.

## MANAGEMENT STRATEGIES

THE CONSTRUCTION OF SR 1215 (-L-) AND -Y- LINES WILL BE PERFORMED USING FLAGGERS, TEMPORARY LANE CLOSURES, AND A TEMPORARY LANE SHIFT.

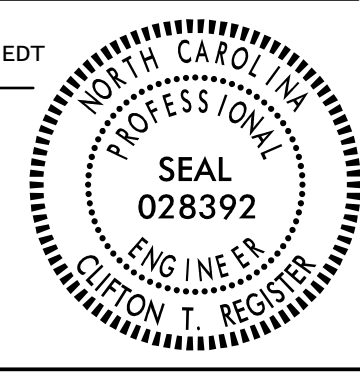
BRIDGE PRESERVATION WILL UTILIZE LANE AND SHOULDER CLOSURES ON NC 56 AND DIRECTIONAL CLOSURE AND DETOUR OF I-85 USING INTERCHANGE RAMPS.

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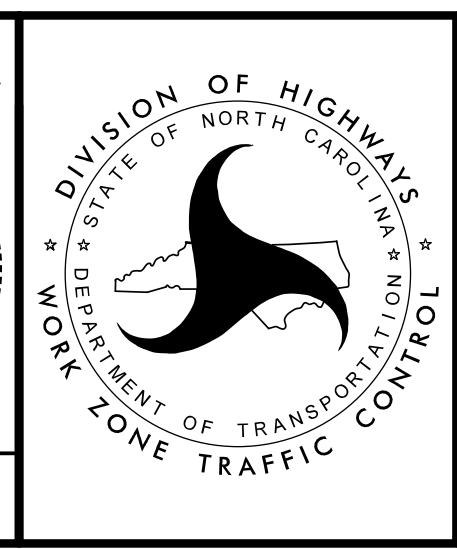
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**TRANSPORTATION  
OPERATIONS  
PLAN**

## PHASING

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

### PHASE I

STEP 1:

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

STEP 2:

USING FLAGGERS, TEMPORARY LANE CLOSURES, AND SHIFTING TRAFFIC AS NECESSARY BEGIN ROADWAY DRAINAGE CONSTRUCTION AND UTILITY CONSTRUCTION. SEE ROADWAY PLANS AND UTILITY PLANS.

SIMULTANEOUS TO THIS WORK AND CONTINUING AT ANY TIME DURING THE PROJECT, USE TEMPORARY LANE CLOSURES AS NECESSARY TO PERFORM BRIDGE PRESERVATION WORK ON NC 56 (-Y1) (SEE RSD 1101.02). FOR BRIDGE PRESERVATION WORK OVER OR ADJACENT TO I-85, USE DIRECTIONAL CLOSURE AND DETOUR USING THE INTERCHANGE RAMPS (SEE RSD 1101.03, SHEET 7). BOTH DIRECTIONS OF I-85 SHALL NOT BE CLOSED SIMULTANEOUSLY.

STEP 3:

WITHOUT INTERFERING WITH TRAFFIC, CONSTRUCT -L- STA. 10+33.50 TO STA. 18+00+/- TO INCLUDE -Y2-, -DRW1-, -DRW2-, AND DRIVEWAYS (ONLY THOSE PORTIONS WEST OF EXISTING SR 1215) UP TO BUT NOT INCLUDING THE FINAL LIFT OF SURFACE COURSE. INCLUDE TEMPORARY PAVEMENT MARKINGS. ADDITIONALLY, PERFORM THE WIDENING AND SHOULDER WORK ON -RPB- AND -Y1- UP TO BUT NOT INCLUDING THE FINAL LIFT OF SURFACE COURSE.

### PHASE II

STEP 1:

USING FLAGGERS, TEMPORARY LANE CLOSURES, AND SHIFTING TRAFFIC AS NECESSARY BEGIN ROADWAY DRAINAGE CONSTRUCTION AND UTILITY CONSTRUCTION. SEE ROADWAY PLANS AND UTILITY PLANS.

STEP 2:

USING RSD'S 1101.04 AND 1101.02, PERFORM THE WIDENING ON -Y1- (NC 56) UP TO BUT NOT INCLUDING THE FINAL LIFT OF SURFACE COURSE. ALSO, PERFORM THE WIDENING ON -Y2- FROM STA. 14+90 TO 16+45.36 UP TO BUT NOT INCLUDING THE MONOLITHIC CONCRETE ISLAND NOR THE FINAL LIFT OF SURFACE COURSE. ADDITIONALLY, PERFORM THE WIDENING AND SHOULDER WORK ON -RPA- INCLUDING THE FINAL LIFT OF SURFACE COURSE.

STEP 3:

USING RSD 1101.02, PERFORM THE GRADING, DRAINAGE, MILLING, AND PAVING WORK FOR THE SOUTHBOUND LANE OF -L- STA. 18+00+/- TO STA. 21+25 UP TO BUT NOT INCLUDING THE FINAL LIFT OF SURFACE COURSE. INCLUDE TEMPORARY PAVEMENT MARKINGS.

### PHASE II (CONT.)

STEP 4:

DURING PHASE II, INSTALL NEW SIGNAL AND APPURTENANCES FOR THE REALIGNED SR 1215 (-L-) INTERSECTION WITH NC 56 (-Y1-). COVER SIGNAL HEADS UNTIL ACTIVATED AT PHASE III.

STEP 5:

USING RSD'S 1101.04 AND 1101.02 AND SHIFTING TRAFFIC AS NECESSARY, PERFORM THE WEDGING AND MILLING WORK ON -Y1- (NC 56) UP TO BUT NOT INCLUDING THE MONOLITHIC CONCRETE ISLAND NOR THE FINAL LIFT OF SURFACE COURSE. ALSO, PERFORM THE WEDGING AND MILLING WORK ON -Y2- FROM STA. 14+90 TO 16+45.36 UP TO BUT NOT INCLUDING THE MONOLITHIC CONCRETE ISLAND NOR THE FINAL LIFT OF SURFACE COURSE. PLACE TEMPORARY PAVEMENT MARKINGS AS THE WEDGING AND MILLING WORK PROGRESSES.

### PHASE III

STEP 1:

USING RSD 1101.02, SHIFT TRAFFIC TO THE REALIGNED SOUTHBOUND LANE OF SR 1215 (-L-) AND PERFORM THE GRADING, DRAINAGE, AND PAVING WORK FOR THE REALIGNED NORTHBOUND LANE OF SR 1215 (-L-). INCLUDE TEMPORARY PAVEMENT MARKINGS. SIMULTANEOUS TO THIS WORK, DEACTIVATE AND REMOVE THE SIGNAL AT THE INTERSECTION OF EXISTING SR 1215 AND ACTIVATE THE NEW SIGNAL FOR THE REALIGNED SR 1215 (-L-) INTERSECTION WITH NC 56 (-Y1-). ADDITIONALLY, PERFORM THE GRADING, DRAINAGE, AND PAVING WORK ALONG EXISTING SR 1215 (-Y2-), -DRW2-, -DRW3-, -DRW4-, AND OTHER DRIVEWAYS. ACCESS MUST BE MAINTAINED AT ALL TIMES.

### PHASE IV

STEP 1:

USING RSD 1101.02, INSTALL THE FINAL LIFT OF SURFACE COURSE AND FINAL PAVEMENT MARKINGS FROM -Y1- STA. 12+00 TO STA. 22+75, FROM -L- STA. 10+33.50 TO STA. 21+25, AND -Y2- STA. 10+23.50 TO 16+45.36. SEE PAVEMENT MARKING PLANS.

PERFORM THE MONOLITHIC CONCRETE ISLAND CONSTRUCTION ALONG -L- (SR 1215), -Y1- (NC 56), AND -Y2- (EXISTING SR 1215).

STEP 2:


PLACE ALL PERMANENT SIGNAGE THROUGHOUT THE PROJECT. REMOVE ALL REMAINING TRAFFIC CONTROL DEVICES AND SIGNS AND OPEN ALL ROADS TO THE FINAL TRAFFIC PATTERN.

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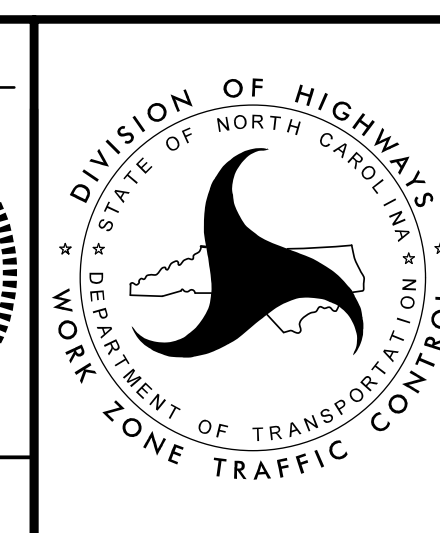
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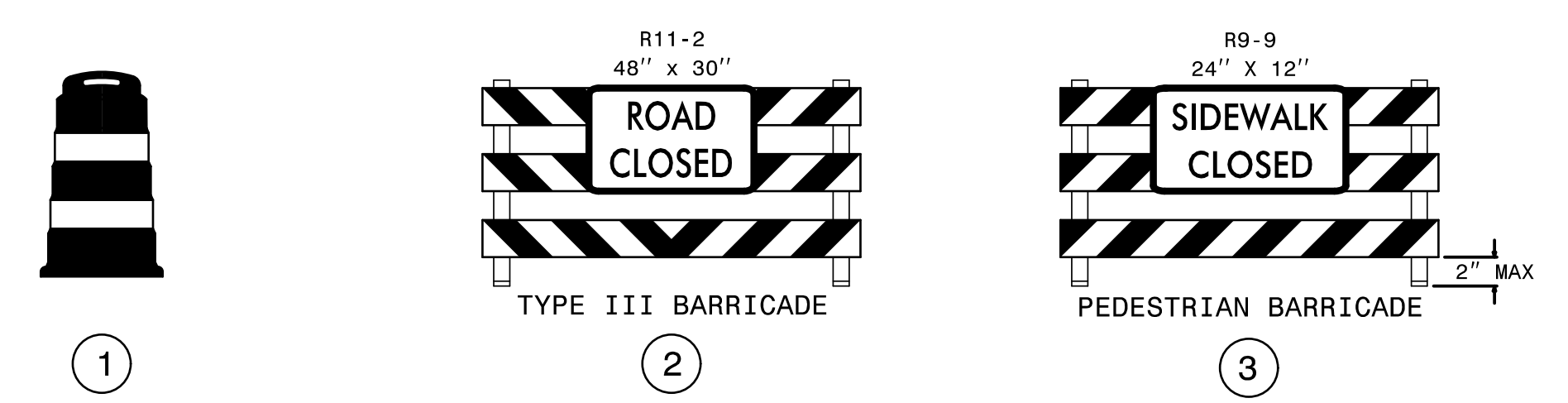
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TRANSPORTATION  
OPERATIONS  
PLAN

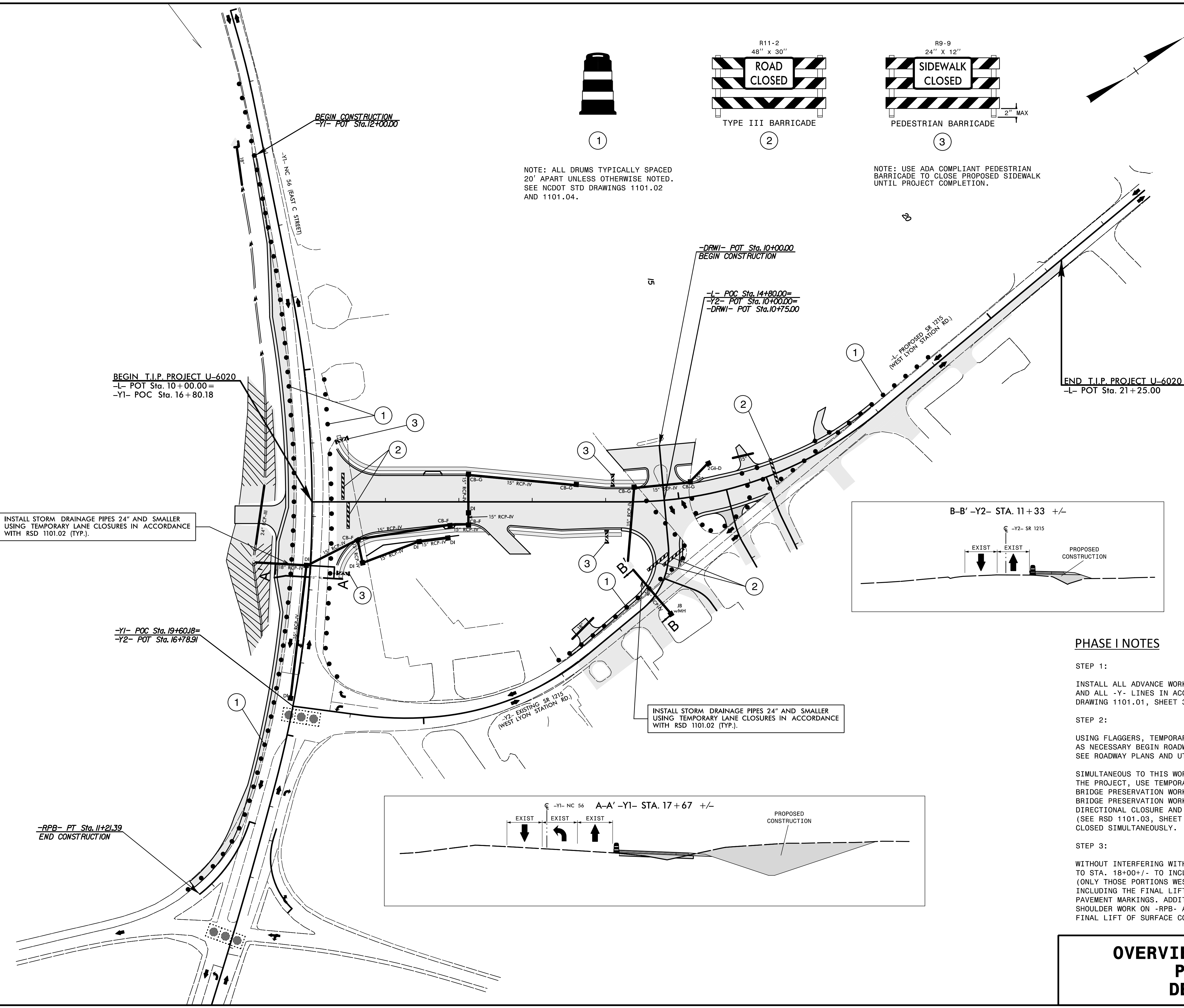
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TIP NO.	SHEET NO.
U-6020	TMP-2
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TGS ENGINEERS 706 HILLSBOROUGH ST. SUITE 200 RALEIGH, NC 27603 PH (919) 773-8887 CORP. LICENSE NO.: C-0275	



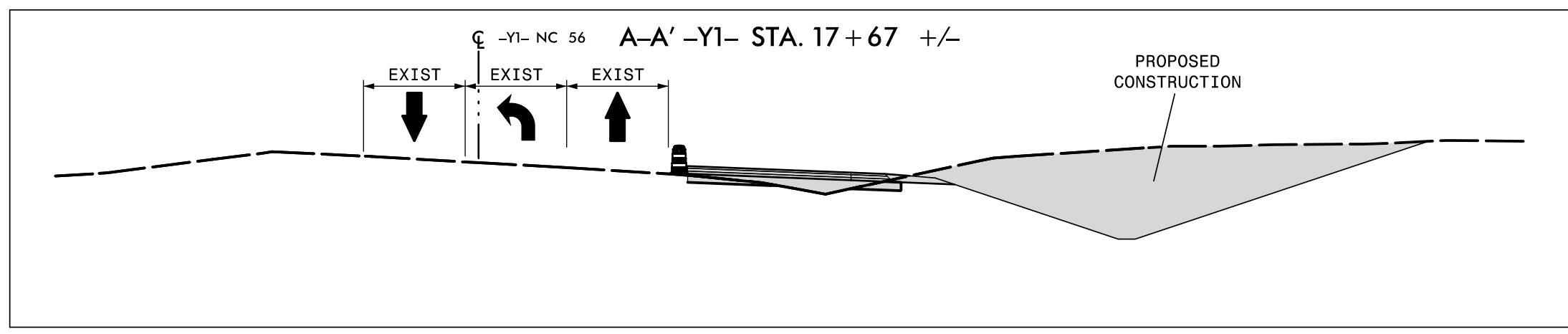
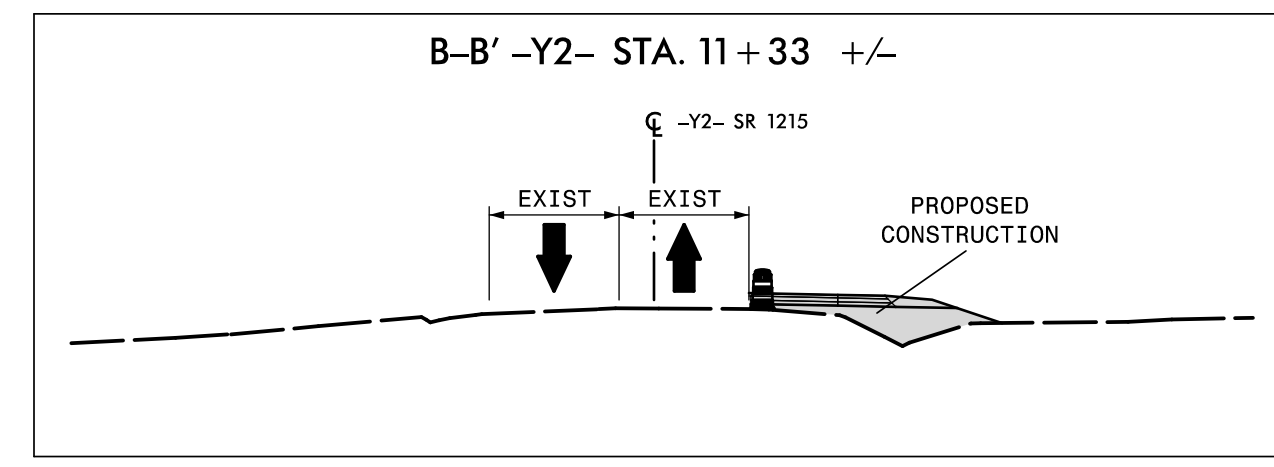
NOTE: ALL DRUMS TYPICALLY SPACED 20' APART UNLESS OTHERWISE NOTED. SEE NCDOT STD DRAWINGS 1101.02 AND 1101.04.

NOTE: USE ADA COMPLIANT PEDESTRIAN BARRICADE TO CLOSE PROPOSED SIDEWALK UNTIL PROJECT COMPLETION.



INSTALL STORM DRAINAGE PIPES 24" AND SMALLER USING TEMPORARY LANE CLOSURES IN ACCORDANCE WITH RSD 1101.02 (TYP.).

INSTALL STORM DRAINAGE PIPES 24" AND SMALLER USING TEMPORARY LANE CLOSURES IN ACCORDANCE WITH RSD 1101.02 (TYP.).





**PHASE I NOTES**

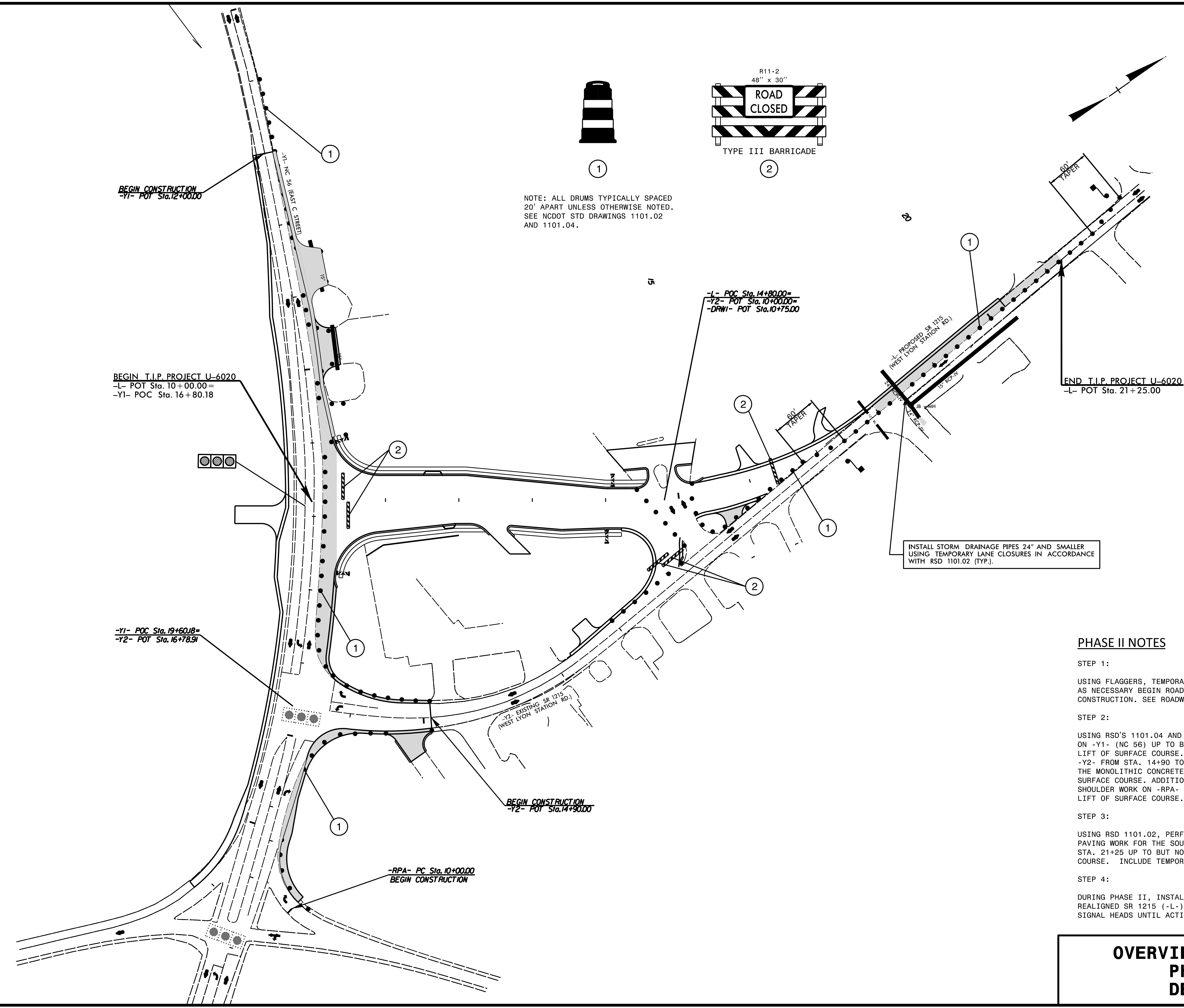
- STEP 1:  
INSTALL ALL ADVANCE WORK ZONE WARNING SIGNS ON -L- LINE AND ALL -Y- LINES IN ACCORDANCE WITH NCDOT STD DRAWING 1101.01, SHEET 3 OF 3.
- STEP 2:  
USING FLAGGERS, TEMPORARY LANE CLOSURES, AND SHIFTING TRAFFIC AS NECESSARY BEGIN ROADWAY DRAINAGE AND UTILITY CONSTRUCTION. SEE ROADWAY PLANS AND UTILITY PLANS.
- SIMULTANEOUS TO THIS WORK AND CONTINUING AT ANY TIME DURING THE PROJECT, USE TEMPORARY LANE CLOSURES AS NECESSARY TO PERFORM BRIDGE PRESERVATION WORK ON NC 56 (-Y1-) (SEE RSD 1101.02). FOR BRIDGE PRESERVATION WORK OVER OR ADJACENT TO I-85, USE DIRECTIONAL CLOSURE AND DETOUR USING THE INTERCHANGE RAMPS (SEE RSD 1101.03, SHEET 7). BOTH DIRECTIONS OF I-85 SHALL NOT BE CLOSED SIMULTANEOUSLY.
- STEP 3:  
WITHOUT INTERFERING WITH TRAFFIC, CONSTRUCT -L- STA. 10+33.50 TO STA. 18+00 +/- TO INCLUDE -Y2-, -DRW1-, -DRW2-, AND DRIVEWAYS (ONLY THOSE PORTIONS WEST OF EXISTING SR 1215) UP TO BUT NOT INCLUDING THE FINAL LIFT OF SURFACE COURSE. INCLUDE TEMPORARY PAVEMENT MARKINGS. ADDITIONALLY, PERFORM THE WIDENING AND SHOULDER WORK ON -RPB- AND -Y1- UP TO BUT NOT INCLUDING THE FINAL LIFT OF SURFACE COURSE.

**OVERVIEW & PHASING  
PHASE I  
DETAIL I**

5/9/2024 X:\NCDOT\U-6020\TrafficControl\TCP\U-6020\_TC\_TMP\_02(PHASING).dgn

8/17/99

TIP NO.	SHEET NO.
U-6020	TMP-3
Designed by: <i>Clifton Register</i> APPROVED: <i>Clifton Register</i> <small>—SDAF66CB94E4F8—</small> DATE: 4/26/2024   8:45 AM EDT	
SEAL 	
<b>DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED</b>	
 TGS ENGINEERS 706 HILLSBOROUGH ST., SUITE 200 RALEIGH, NC 27603 PH (919) 773-8887 CORP. LICENSE NO.: C-0275	



**PHASE II NOTES**

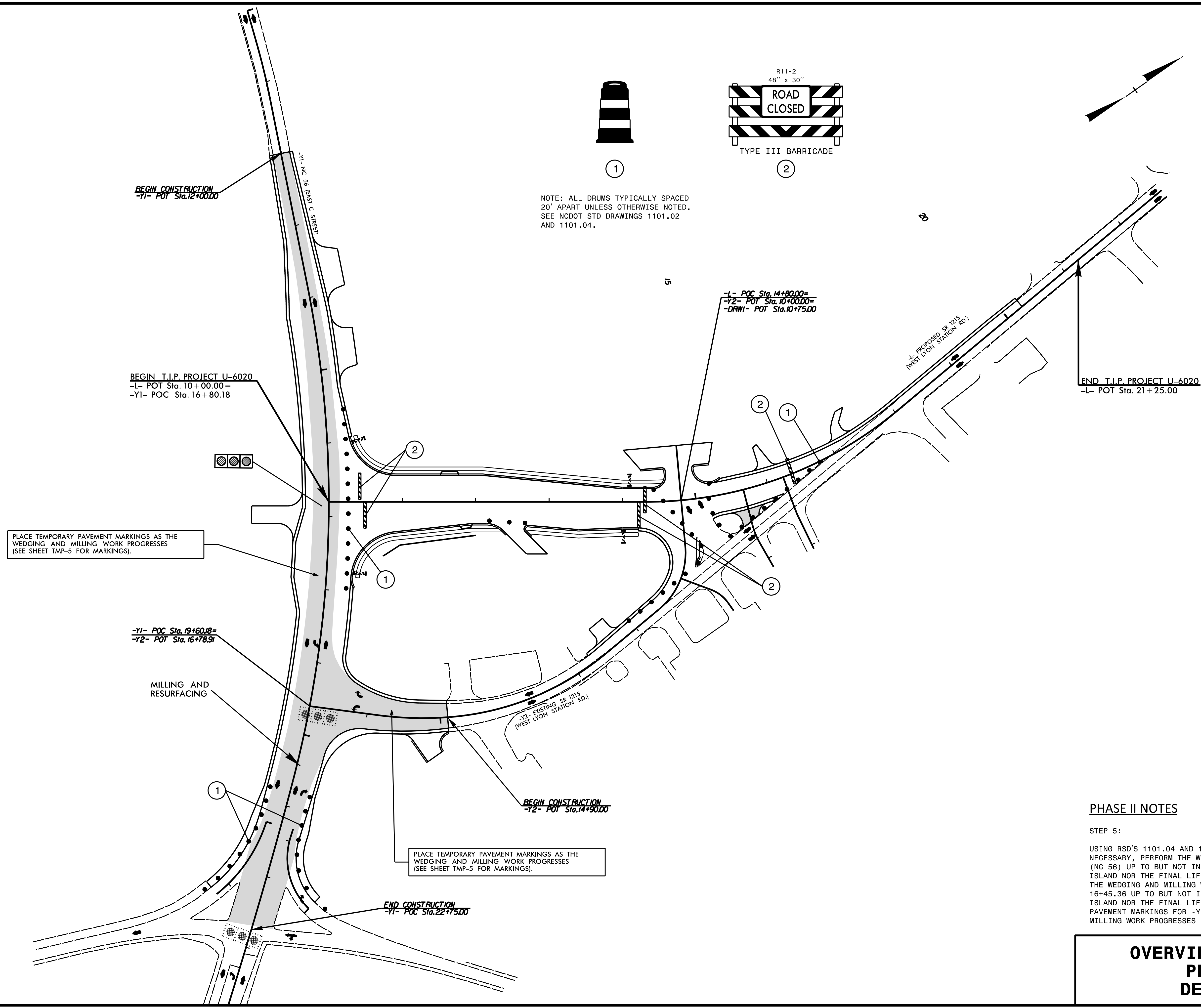
- STEP 1:  
 USING FLAGGERS, TEMPORARY LANE CLOSURES, AND SHIFTING TRAFFIC AS NECESSARY BEGIN ROADWAY DRAINAGE CONSTRUCTION AND UTILITY CONSTRUCTION. SEE ROADWAY PLANS AND UTILITY PLANS.
- STEP 2:  
 USING RSD'S 1101.04 AND 1101.02, PERFORM THE WIDENING ON -Y1- (NC 56) UP TO BUT NOT INCLUDING THE FINAL LIFT OF SURFACE COURSE. ALSO, PERFORM THE WIDENING ON -Y2- FROM STA. 14+90 TO 16+45.36 UP TO BUT NOT INCLUDING THE MONOLITHIC CONCRETE ISLAND NOR THE FINAL LIFT OF SURFACE COURSE. ADDITIONALLY, PERFORM THE WIDENING AND SHOULDER WORK ON -RPA- UP TO BUT NOT INCLUDING THE FINAL LIFT OF SURFACE COURSE.
- STEP 3:  
 USING RSD 1101.02, PERFORM THE GRADING, DRAINAGE, MILLING, AND PAVING WORK FOR THE SOUTHBOUND LANE OF -L- STA. 18+00+/- TO STA. 21+25 UP TO BUT NOT INCLUDING THE FINAL LIFT OF SURFACE COURSE. INCLUDE TEMPORARY PAVEMENT MARKINGS.
- STEP 4:  
 DURING PHASE II, INSTALL NEW SIGNAL AND APPURTENANCES FOR THE REALIGNED SR 1215 (-L-) INTERSECTION WITH NC 56 (-Y1-). COVER SIGNAL HEADS UNTIL ACTIVATED AT PHASE III.

**OVERVIEW & PHASING  
PHASE II  
DETAIL I**

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8/17/99

TIP NO.	SHEET NO.
U-6020	TMP-4
APPROVED: <i>Clifton Register</i>	
DATE: 4/26/2024   8:45 AM EDT	
SEAL	
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TGS ENGINEERS 706 HILLSBOROUGH ST., SUITE 200 RALEIGH, NC 27603 PH (919) 773-8887 CORP. LICENSE NO.: C-0275	


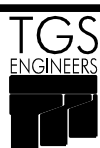


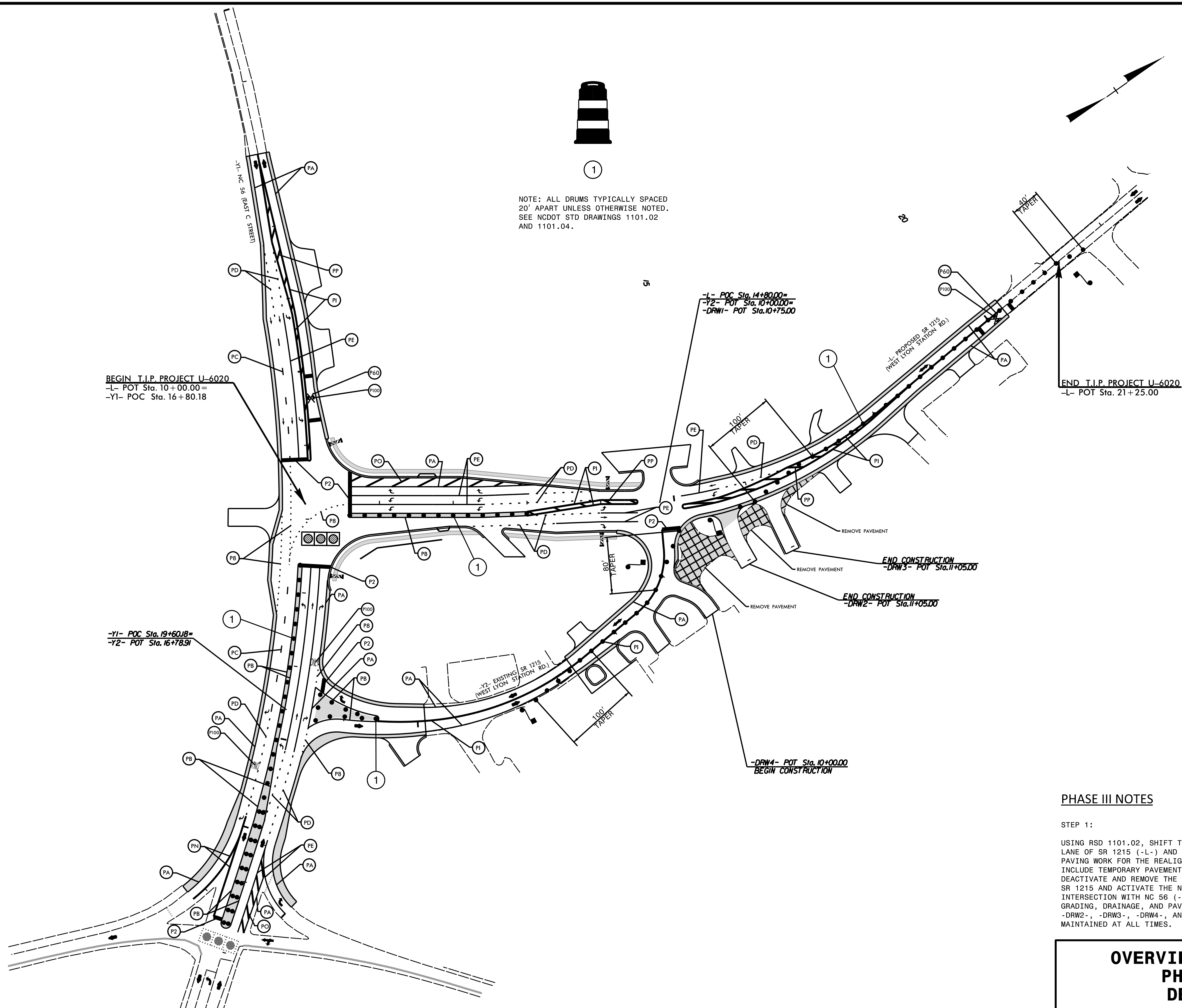
**OVERVIEW & PHASING  
PHASE II  
DETAIL II**

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8/17/99

TIP NO.	SHEET NO.
U-6020	TMP-5
APPROVED: <i>Clifton Register</i> EDAF9C8B42E4F8	
DATE: 4/26/2024   8:45 AM EDT	
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NOTE: ALL DRUMS TYPICALLY SPACED 20' APART UNLESS OTHERWISE NOTED. SEE NCDOT STD DRAWINGS 1101.02 AND 1101.04.

**PHASE III NOTES**

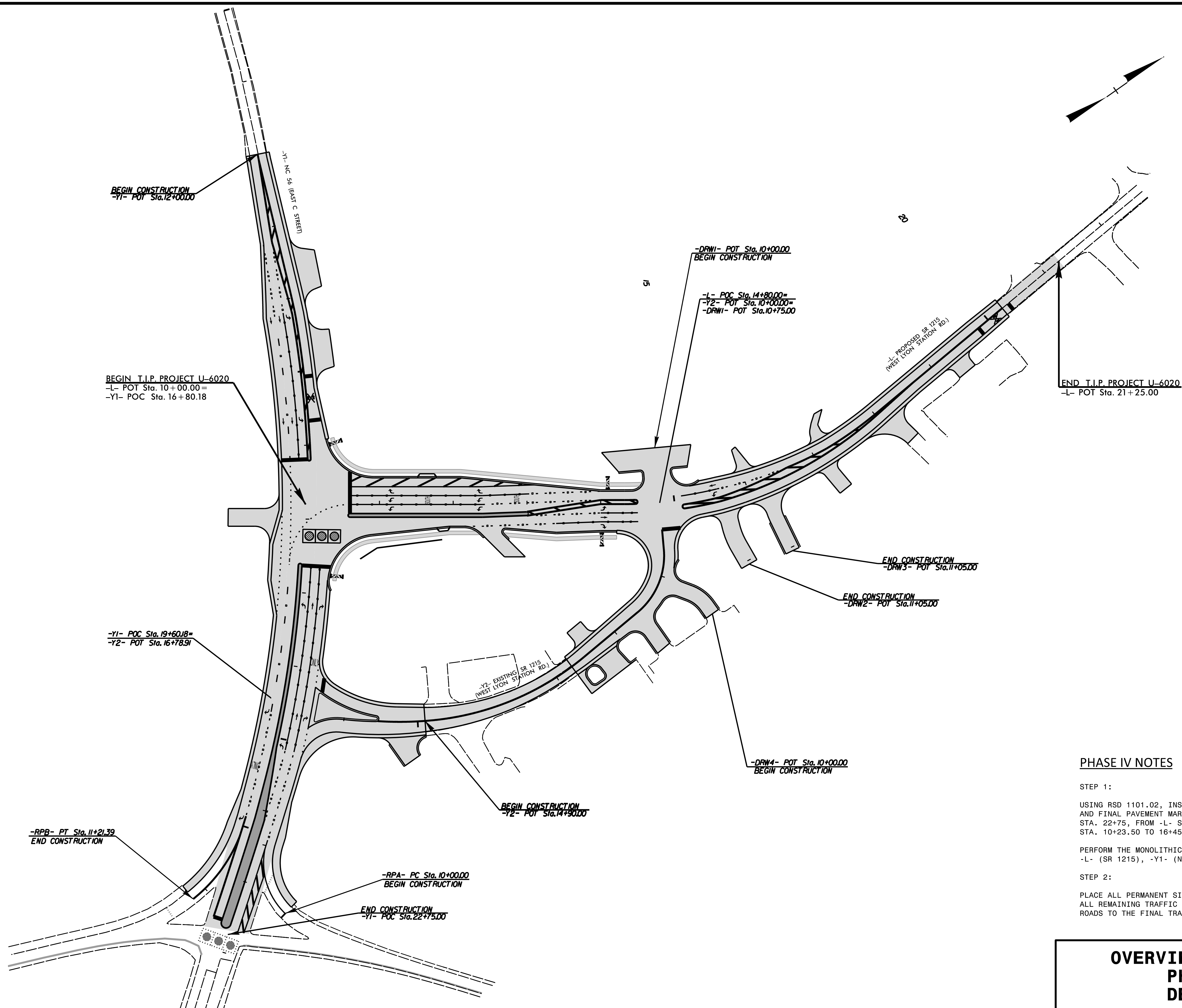
STEP 1:  
 USING RSD 1101.02, SHIFT TRAFFIC TO THE REALIGNED SOUTHBOUND LANE OF SR 1215 (-L-) AND PERFORM THE GRADING, DRAINAGE, AND PAVING WORK FOR THE REALIGNED NORTHBOUND LANE OF SR 1215 (-L-). INCLUDE TEMPORARY PAVEMENT MARKINGS. SIMULTANEOUS TO THIS WORK, DEACTIVATE AND REMOVE THE SIGNAL AT THE INTERSECTION OF EXISTING SR 1215 AND ACTIVATE THE NEW SIGNAL FOR THE REALIGNED SR 1215 (-L-) INTERSECTION WITH NC 56 (-Y1-). ADDITIONALLY, PERFORM THE GRADING, DRAINAGE, AND PAVING WORK ALONG EXISTING SR 1215 (-Y2-), -DRW2-, -DRW3-, -DRW4-, AND OTHER DRIVEWAYS. ACCESS MUST BE MAINTAINED AT ALL TIMES.

**OVERVIEW & PHASING  
 PHASE III  
 DETAIL I**

2/7/2024  
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8/17/99

TIP NO.	SHEET NO.
U-6020	TMP-6
APPROVED: <i>Clifton Register</i>	
DATE: 4/26/2024   8:45 AM EDT	
SEAL	
DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED	
 TGS ENGINEERS 706 HILLSBOROUGH ST., SUITE 200 RALEIGH, NC 27603 PH (919) 773-8887 CORP. LICENSE NO.: C-0275	



**PHASE IV NOTES**

- STEP 1:
- USING RSD 1101.02, INSTALL THE FINAL LIFT OF SURFACE COURSE AND FINAL PAVEMENT MARKINGS FROM -Y1- STA. 12+00 TO STA. 22+75, FROM -L- STA. 10+33.50 TO STA. 21+25, AND -Y2- STA. 10+23.50 TO 16+45.36. SEE PAVEMENT MARKING PLANS.
- PERFORM THE MONOLITHIC CONCRETE ISLAND CONSTRUCTION ALONG -L- (SR 1215), -Y1- (NC 56), AND -Y2- (EXISTING SR 1215).
- STEP 2:
- PLACE ALL PERMANENT SIGNAGE THROUGHOUT THE PROJECT. REMOVE ALL REMAINING TRAFFIC CONTROL DEVICES AND SIGNS AND OPEN ALL ROADS TO THE FINAL TRAFFIC PATTERN.

**OVERVIEW & PHASING  
PHASE IV  
DETAIL I**

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