

TITLE

TITLE SHEET, VICINITY MAP, AND INDEX OF SHEETS LIST OF APPLICABLE ROADWAY STANDARD DRAWINGS, AND LEGEND TRANSPORTATION OPERATIONS PLAN: (MANAGEMENT STRATEGIES, GENERAL NOTES, AND LOCAL NOTES) PHASING NOTES CONSTRUCTION PHASING OVERVIEW - PHASE I CONSTRUCTION PHASING OVERVIEW - PHASE II OFFSITE DETOUR SIGNING SHEET

U-TURN PLAQUE SIGN DESIGN

<u>3/1/2024</u> DATE SUBMITTED SUBMITTAL: STAGING CONCEPT MIDPOINT PRE-FINAL X FINAL

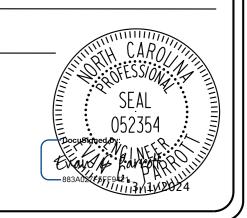
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SHEET NO.

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:

WORK ZONE VEHICLE ACCESSES

STATIONARY WORK ZONE SIGNS

PORTABLE WORK ZONE SIGNS

FLASHING ARROW BOARDS

TRAFFIC CONTROL DESIGN TABLES

TITLE

STD. NO.	TITLE
1101.01	WORK ZONE WARNING SIGNS
1101.02	TEMPORARY LANE CLOSURES
1101.03	TEMPORARY ROAD CLOSURES
1101.04	TEMPORARY SHOULDER CLOSURES

DRUMS CONES

BARRICADES

FLAGGING DEVICES

SKINNY - DRUMS

1101.05

1101.11

1110.01

1110.02

1115.01

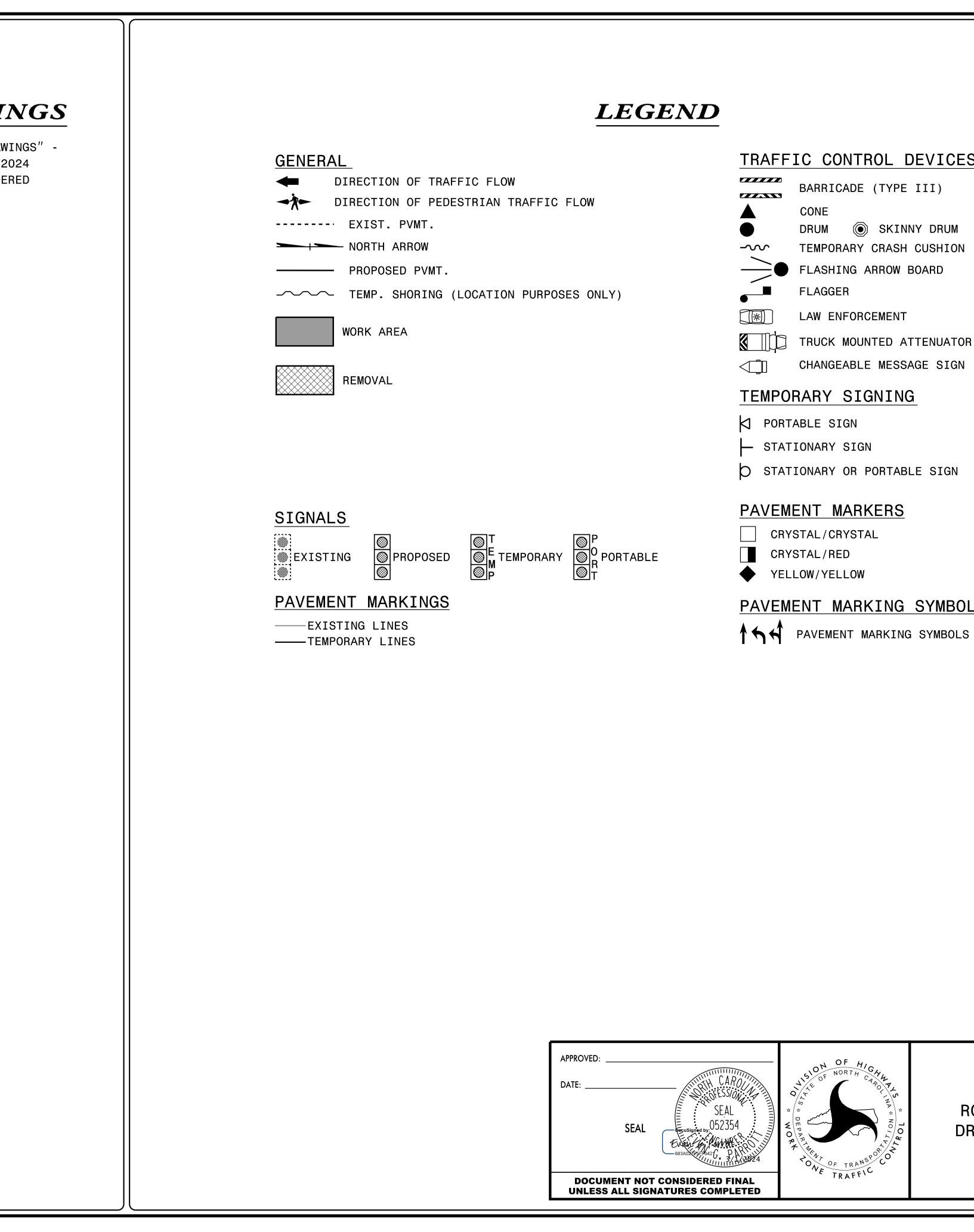
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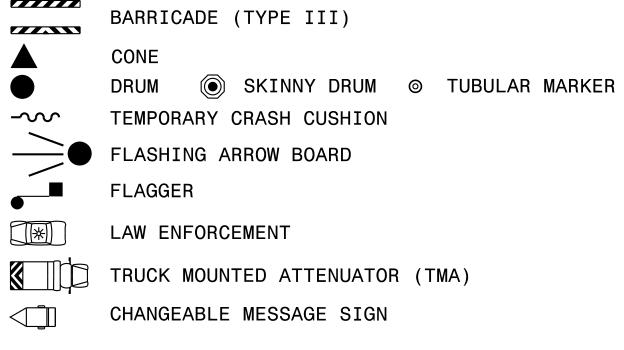
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PROJ. REFERENCE NO.	SHEET NO.
R-5963D	TMP-1A

TRAFFIC CONTROL DEVICES

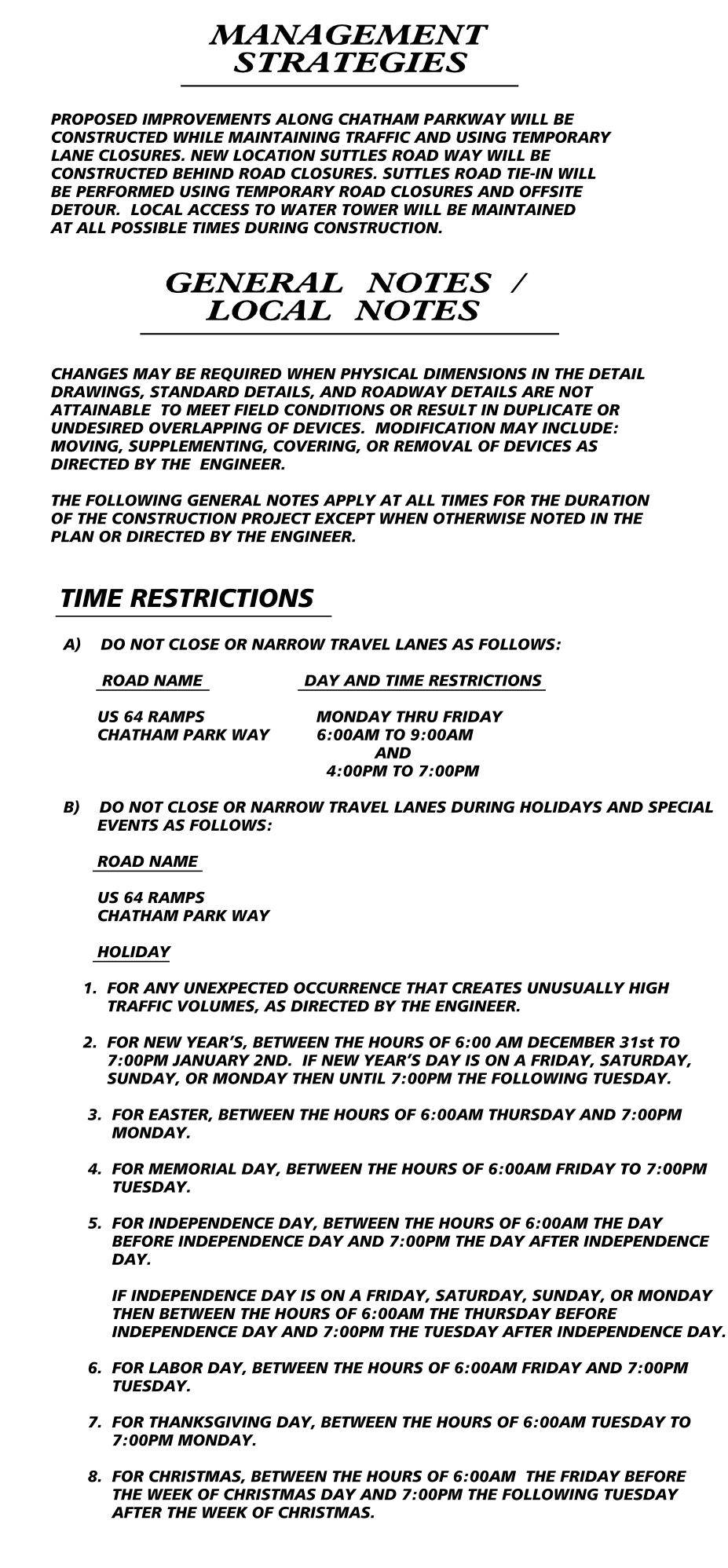


TEMPORARY SIGNING

- STATIONARY OR PORTABLE SIGN

PAVEMENT MARKING SYMBOLS

ROADWAY STANDARD DRAWINGS & LEGEND



TIME RESTRICTIONS (CONT.)

C) DO NOT CLOSE ROADS AS FOLLOWS:

ROAD NAME

DAY AND TIME RESTRICTIONS

US 64 RAMPS **CHATHAM PARK WAY** ANYTIME

D) DO NOT STOP TRAFFIC AS FOLLOWS:

	DAY AND TIME RESTRICTIONS	DURATION AND OPERATION
US 64 RAMPS	MONDAY THRU	15 MINUTES FOR
CHATHAM PARK WAY	SUNDAY	HAULING OPERATIONS

F) DO NOT CONDUCT ANY HAULING OPERATIONS AGAINST THE FLOW OF TRAFFIC OF AN OPEN TRAVELWAY UNLESS THE HAULING OPERATION IS PROTECTED BY BARRIER OR GUARDRAIL OR AS DIRECTED BY THE ENGINEER.

LANE AND SHOULDER CLOSURE REQUIREMENTS

- G) 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.
- H) WHEN PERSONNEL AND/OR EQUIPMENT ARE WORKING WITHIN 15 FT OF AN OPEN TRAVEL LANE, CLOSE THE NEAREST OPEN SHOULDER USING ROADWAY STANDARD DRAWING NO. 1101.04 UNLESS THE WORK AREA IS PROTECTED BY BARRIER OR GUARDRAIL OR A LANE CLOSURE IS INSTALLED.
- WHEN PERSONNEL AND/OR EQUIPMENT ARE WORKING ON THE SHOULDER ADJACENT TO AN UNDIVIDED FACILITY AND WITHIN 5 FT OF AN OPEN TRAVEL LANE, CLOSE THE NEAREST OPEN TRAVEL LANE USING ROADWAY STANDARD DRAWING NO. 1101.02 UNLESS THE WORK AREA IS PROTECTED BY BARRIER OR GUARDRAIL.
- WHEN PERSONNEL AND/OR EQUIPMENT ARE WORKING WITHIN A LANE OF TRAVEL OF AN UNDIVIDED OR DIVIDED FACILITY, CLOSE THE LANE ACCORDING TO THE TRAFFIC CONTROL PLANS, ROADWAY STANDARD DRAWINGS, OR AS DIRECTED BY THE ENGINEER. CONDUCT THE WORK SO THAT ALL PERSONNEL AND/OR EQUIPMENT REMAIN WITHIN THE CLOSED TRAVEL LANE.

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 OPEN TRAVEL LANE THAT HAS A **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 ONCE EVERY HALF MILE THROUGHOUT THE UNEVEN AREA.

M) NOTIFY THE ENGINEER THIRTY (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 TYPE III BARRICADES WITH "ROAD CLOSED" SIGN R11-2 ATTACHED OF SUFFICIENT LENGTH TO CLOSE ENTIRE ROADWAY.

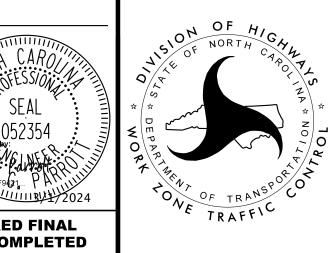
LOCAL NOTES

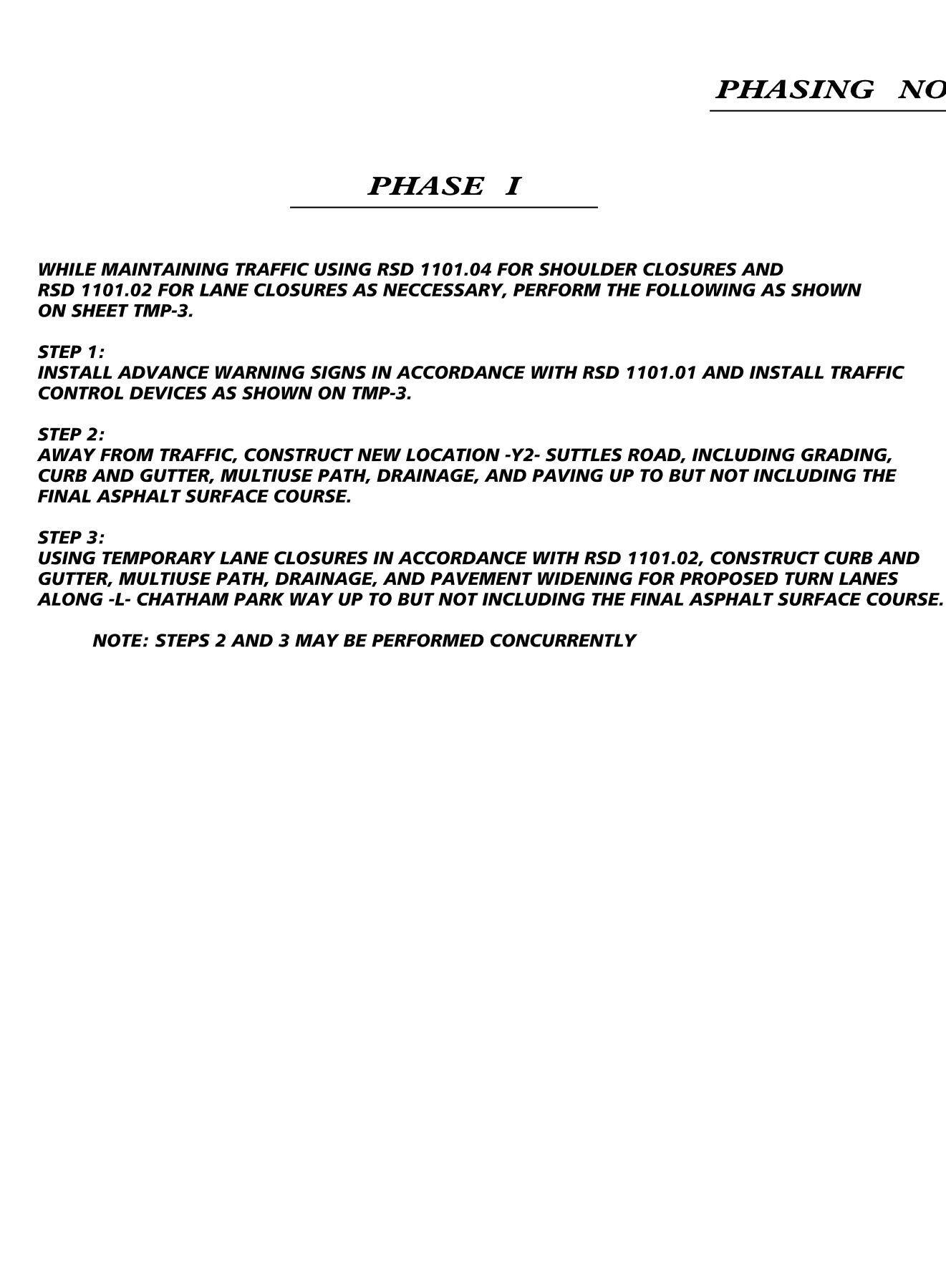
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R-5963D TMP-1B

TRAFFIC PATTERN ALTERATIONS

R) MAINTAIN WATER TOWER ACCESS AT ALL TIMES.





PHASING NOTES

PHASE II

COMPLETE THE WORK ASSOCIATED WITH PHASE II, STEPS 1 & 2 IN 75 CONSECUTIVE CALENDAR DAYS. SEE INTERMEDIATE CONTRACT TIME AND LIQUIDATED DAMAGES.

STEP 1: INSTALL A TEMPORARY ROAD CLOSURE AND OFFSITE DETOUR ROUTE OF -Y2- SUTTLES ROAD AS SHOWN ON SHEETS TMP-4 AND TMP-5. INSTALL TYPE III BARRICADES WITH SIGN **R11-3 ON EITHER SIDE OF EXISTING -Y2- SUTTLES ROAD AT THE INTERSECTION OF SUTTLES** ROAD AND GRANT DRIVE. INSTALL TYPE III BARRICADES WITH SIGN R11-2 ACROSS EXISTING -Y2- SUTTLES ROAD AT THE INTERSECTION OF SUTTLES ROAD AND CHATHAM PARK WAY.

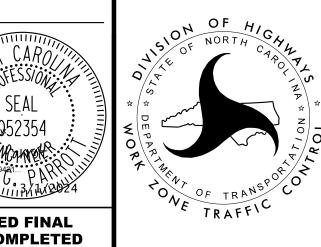
NOTIFY NCDOT, VANCE BLANTON (VANCE.BLANTON@KIMLEY-HORN.COM), AND TIM SMITH (TIM@PRESONTDEV.COM) 30 CALENDAR DAYS BEFORE A ROADWAY IS CLOSED.

STEP 2: AWAY FROM TRAFFIC, CONSTRUCT REMAINING IMPROVEMETS ALONG -Y2- SUTTLES ROAD AND -L- CHATHAM PARK WAY, INCLUDING GRADING, CURB AND GUTTER, MULTIUSE PATH DRAINAGE, AND PAVING UP TO BUT NOT INCLUDING THE FINAL ASPHALT SURFACE COURSE.

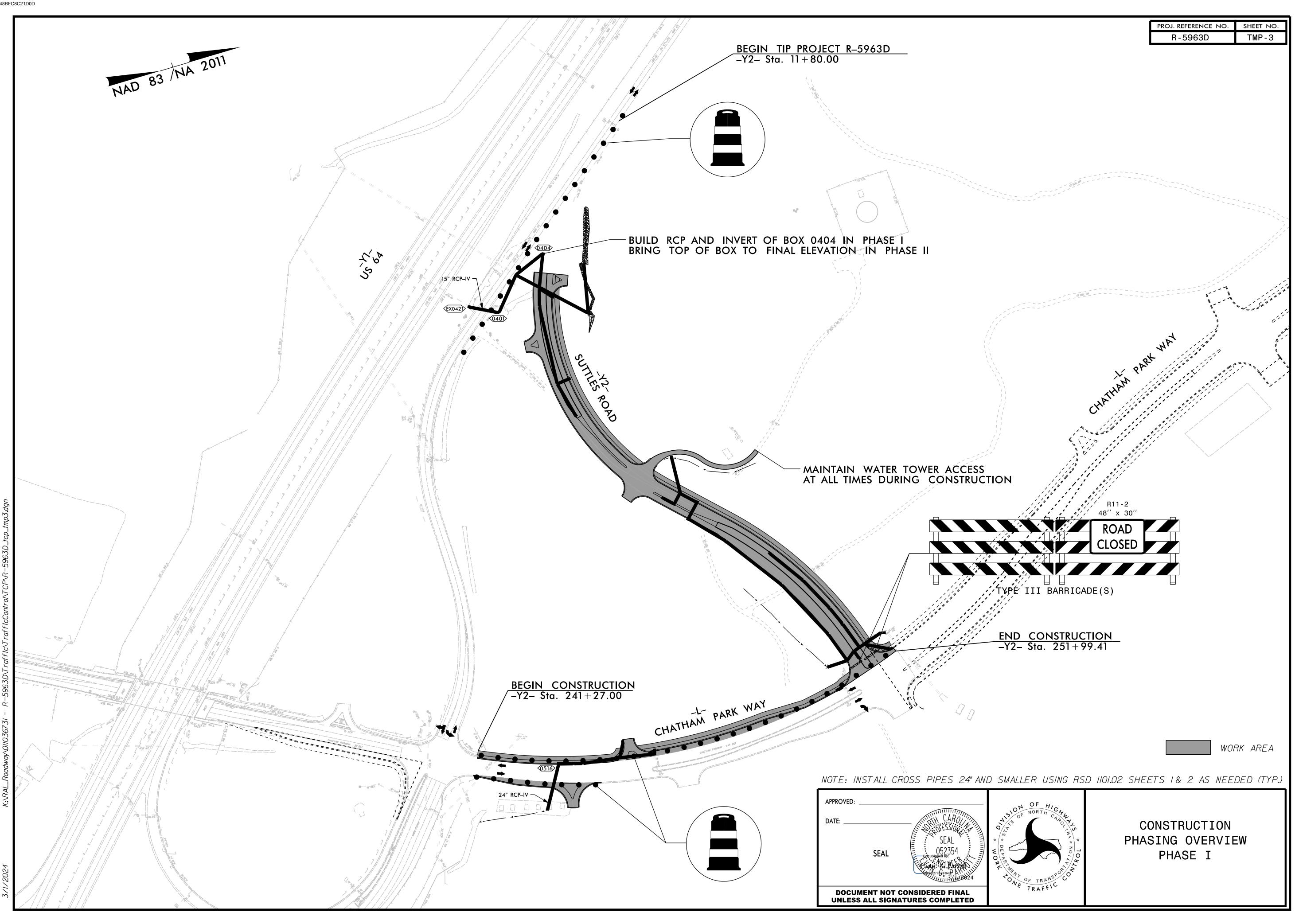
STEP 3: PLACE FINAL SURFACE COURSE ALONG -L- CHATHAM PARK WAY AND -Y2- SUTTLES ROAD, FINAL PAVEMENT MARKINGS AND MARKERS, AND PERMANENT SIGNAGE ALONG NEW ROADWAYS. REMOVE ALL TRAFFIC CONTROL DEVICES AND OPEN ALL LANES TO TRAFFIC.

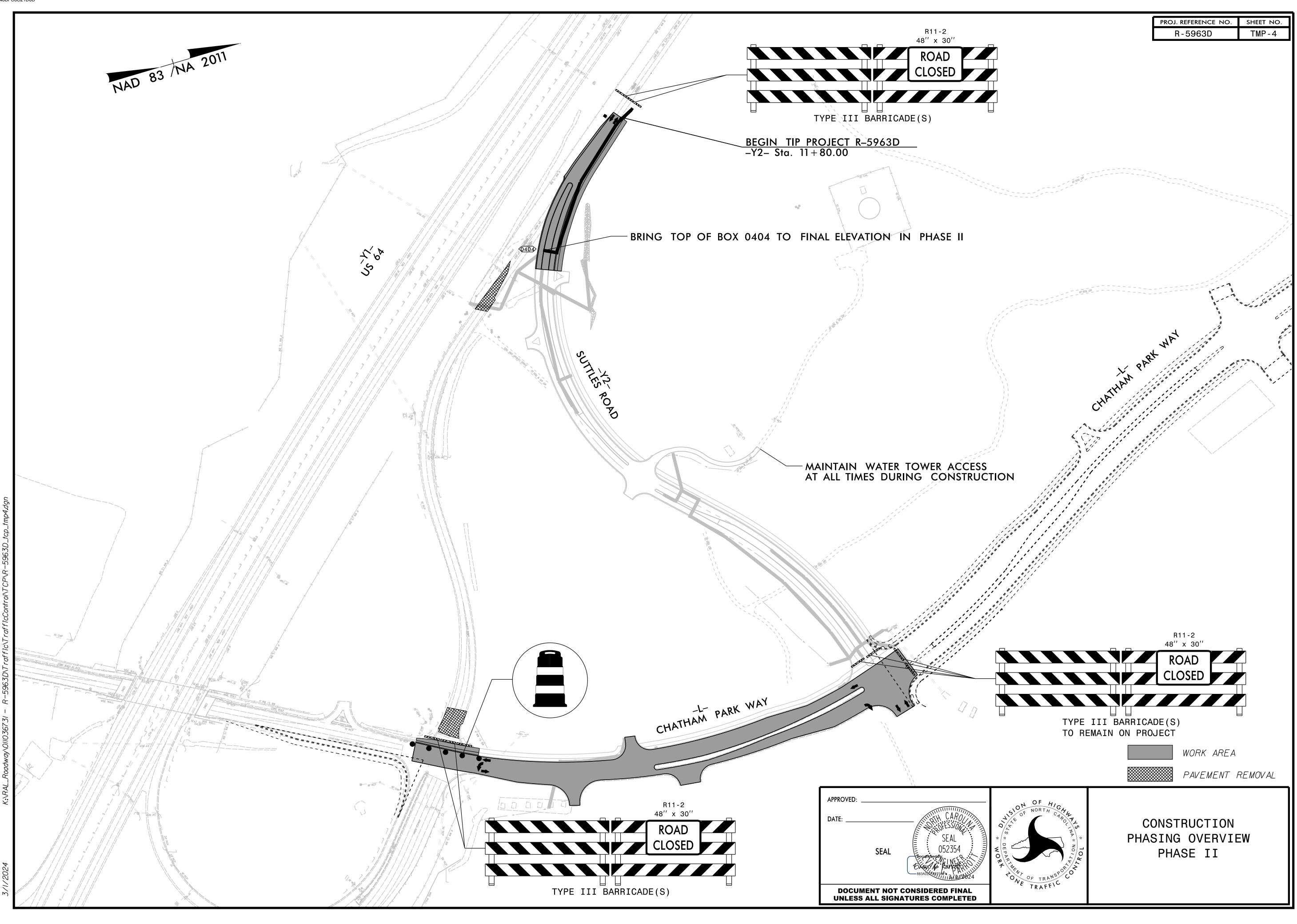
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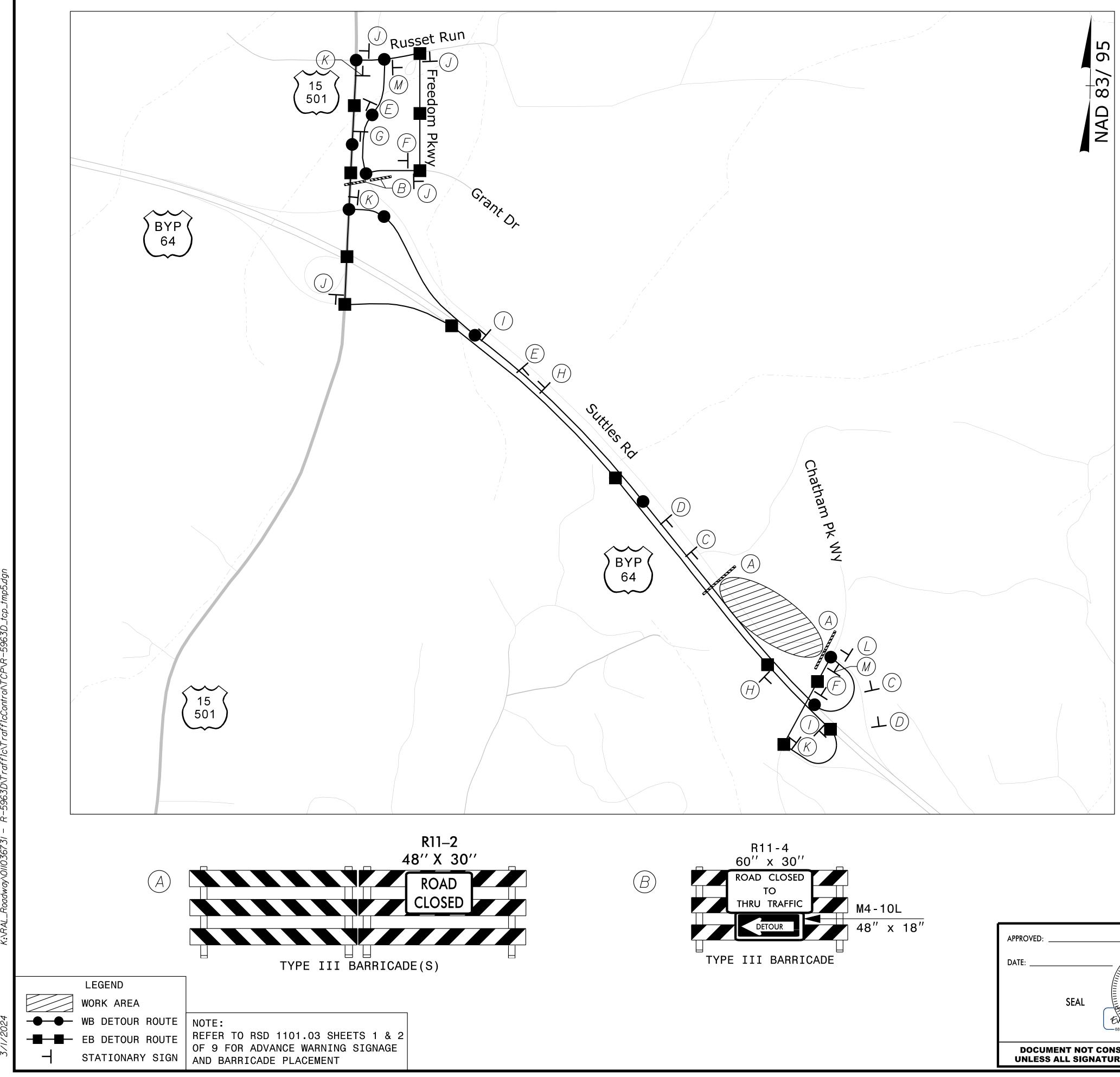
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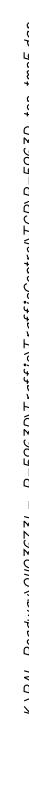


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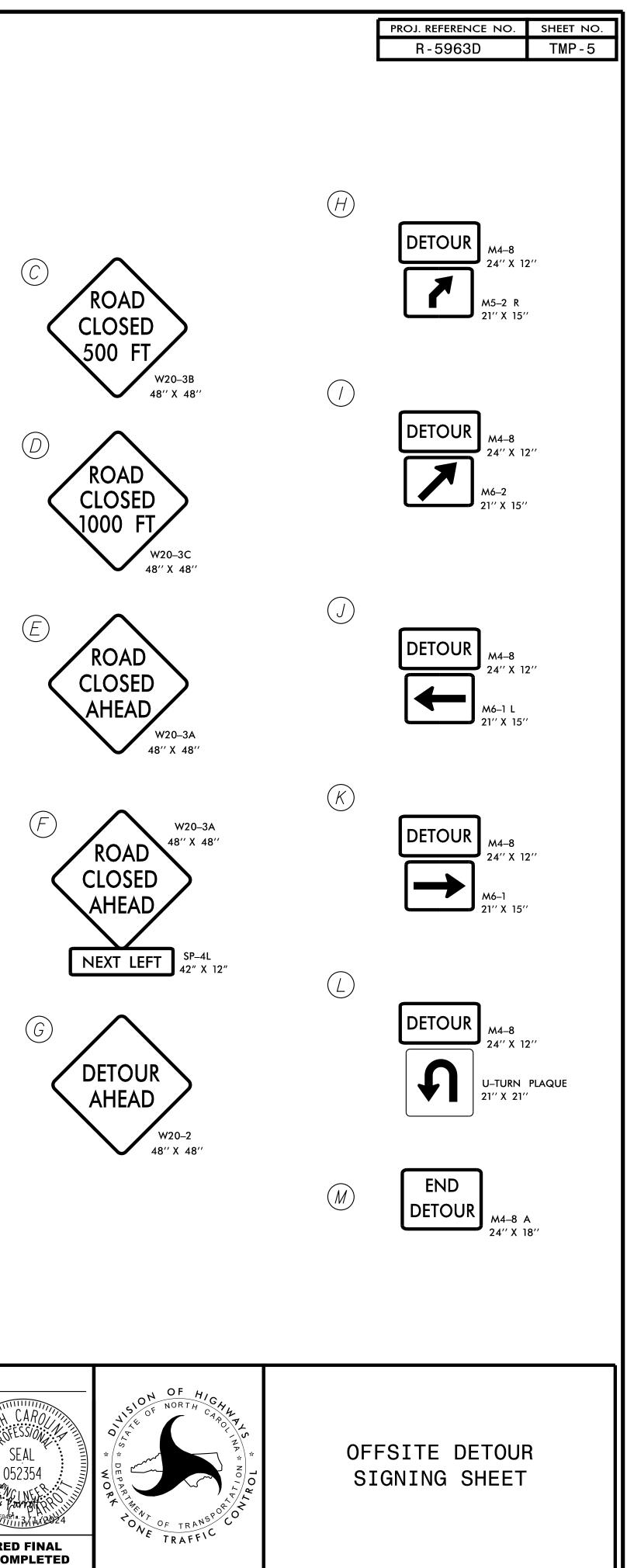








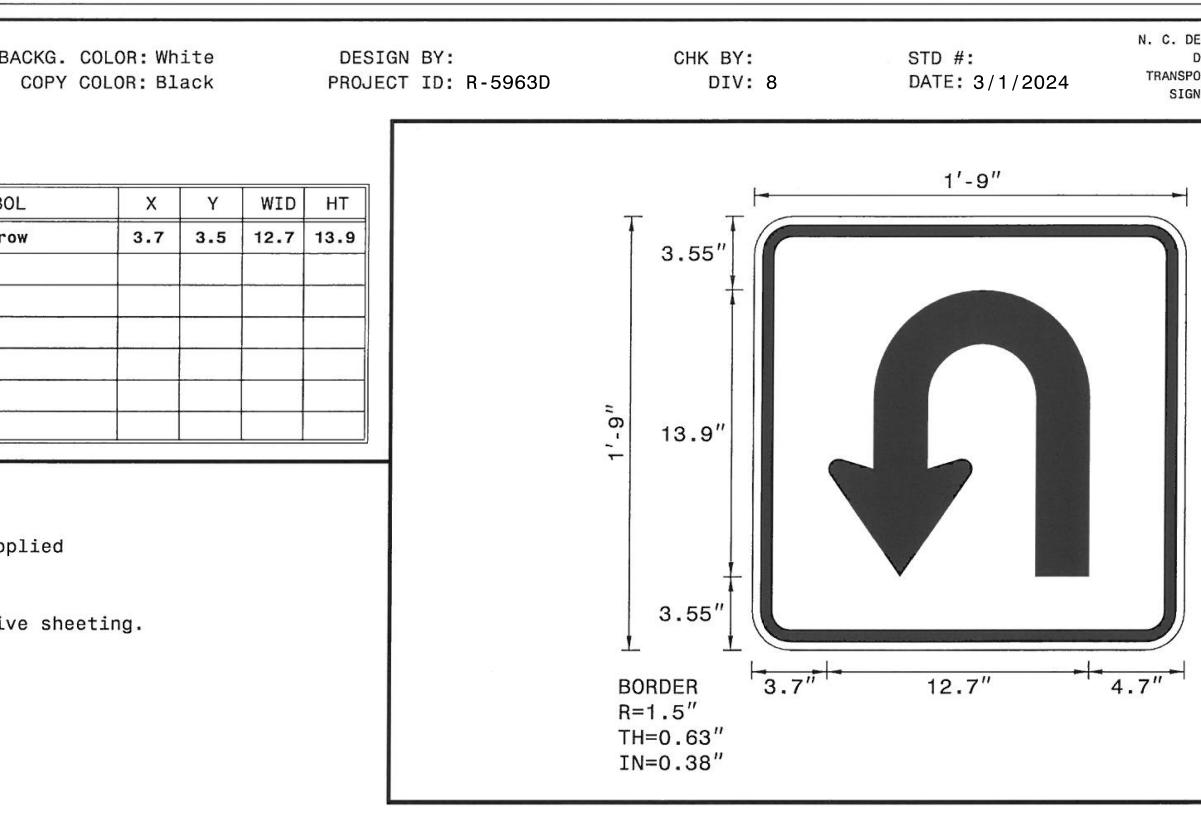
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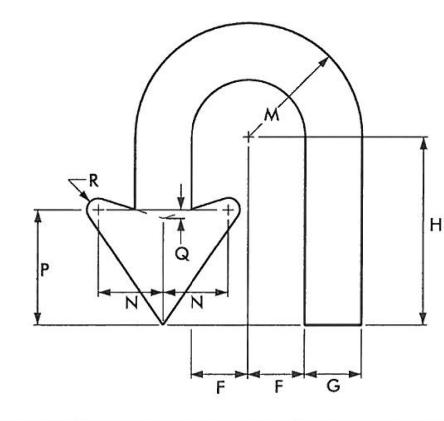
SIGN NUMR: TYPE:F Ground QUANTITY:1	BA
SIGN WIDTH: 1'-9" HEIGHT: 1'-9" TOTAL AREA: 3.1 Sq.Ft.	SYMBOL
MAT'L: 0.063 " ALUMINUM	u arrow
BORDER TYPE: RECESSED RECESS: 0.38" WIDTH: 0.63" RADII: 1.5" NO. Z BARS:	
LENGTH:	E
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2. Background shall be Grade C re	flective
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Arrow Details

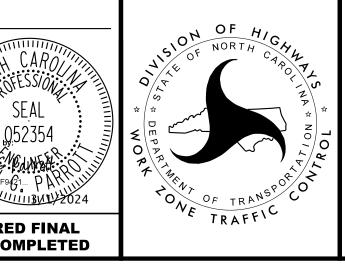


ARROW DIMENSIONS	F	G	Н	м	Ν	Р	Q	R
(INCHES)	2.625	2.625	8.659	5.25	3	5.25	0.375	0.5

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DIVISION OF HIGHWAYS ORTATION MOBILITY & SAFETY		R-5963D	
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