# TRAFFIC CONTROL PLAN

# **RIDGE ROAD RECONSTRUCTION**

# **ROADWAY STANDARD DRAWINGS**

THE FOLLOWING ROADWAY STANDARDS AS APPEAR IN "ROADWAY STANDARD DRAWINGS" -PROJECT SERVICES UNIT - N.C. DEPARTMENT OF TRANSPORTATION - RALEIGH, N.C., DATED JANUARY 2012 ARE APPLICABLE TO THIS PROJECT AND BY REFERENCE HEREBY ARE CONSIDERED A PART OF THESE PLANS:

TITLE

STD.NO.

1101.03	TEMPORARY ROAD CLOSURES
1101.05	WORK ZONE VEHICLE ACCESSES
1101.11	TRAFFIC CONTROL DESIGN TABLES
1110.01	STATIONARY WORK ZONE SIGNS
1145.01	BARRICADES
1150.01	FLAGGING DEVICES

# INDEX OF SHEETS

#### SHEET NO.

#### TITLE

TCP - 1	TITLE SHEET, LEGEND, NOTES, INDEX OF SHEETS, AND LIST OF APPLICABLE ROADWAY STANDARD DRAWINGS
TCP-2	PHASE I AND PHASE II DETAILS
TCP-3	PHASE III DETAILS

- TCP-4 PEDESTRIAN DETOUR DETAILS
- TCP-5 SPECIAL SIGN DETAILS

LEGEND

### GENERAL

DETOUR ROUTE **BEREFERENCE AREA** NORTH ARROW

### TRAFFIC CONTROL DEVICES

BARRICADE (TYPE III) 

### **TEMPORARY SIGNING**

STATIONARY SIGN

## **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 UNDESIRED 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		
RIDGE ROAD	M-F, 7:00 AM TO 9:00 AM and 4:00 PM TO 6:00 PM		

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

ROAD NAME

RIDGE 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 6:00 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.
- 3. FOR EASTER, BETWEEN THE HOURS OF 6:00 A.M. THURSDAY AND 7:00 P.M. MONDAY.
- 4. FOR MEMORIAL DAY, BETWEEN THE HOURS OF 6:00 A.M. FRIDAY TO 7:00 P.M. TUESDAY.
- 5. FOR INDEPENDENCE DAY, BETWEEN THE HOURS OF 7:00 A.M. THE DAY BEFORE INDEPENDENCE DAY AND 6:00 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 6:00 P.M. THE TUESDAY AFTER INDEPENDENCE DAY.

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

- TRAVEL LANE.
- RIDGE ROAD.

TRAFFIC PATTERN ALTERATIONS

PATTERN ALTERATION.

SIGNING

- TO THE BEGINNING OF CONSTRUCTION.

PROVIDE SIGNING REQUIRED FOR THE OFF-SITE DETOUR ROUTE AS SHOWN IN THE TRAFFIC CONTROL PLANS.

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.

TRAFFIC PATTERN.

TRAFFIC CONTROL DEVICES

OF SUFFICIENT LENGTH TO CLOSE ENTIRE ROADWAY.

TEMPORARY PAVEMENT MARKINGS AND MARKERS

- LINES.
- BY THE END OF EACH DAY'S OPERATION.
- DRAINAGE, ETC.).

E) WHEN PERSONNEL AND/OR EQUIPMENT ARE WORKING WITHIN A LANE OF TRAVEL 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

F) DO NOT INSTALL MORE THAN ONE LANE CLOSURE IN ANY ONE DIRECTION ON

G) PROVIDE FLAGGING OPERATION TO SEPARATE PEDESTRIAN TRAFFIC FROM CONSTRUCTION OPERATIONS ADJACENT TO OPEN SIDEWALKS. DO NOT STOP PEDESTRIAN TRAFFIC FOR GREATER THAN 10 CONSECUTIVE MINUTES.

H) NOTIFY THE ENGINEER SEVEN (7) CALENDAR DAYS PRIOR TO ANY TRAFFIC

I) 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

J) PROVIDE SIGNING AND DEVICES REQUIRED TO CLOSE THE ROAD ACCORDING TO THE ROADWAY STANDARD DRAWINGS AND TRAFFIC CONTROL PLANS.

K) COVER OR REMOVE ALL SIGNS AND DEVICES REQUIRED TO CLOSE THE ROAD

L) ENSURE ALL NECESSARY SIGNING IS IN PLACE PRIOR TO ALTERING ANY

M) PLACE TYPE III BARRICADES, WITH "ROAD CLOSED" SIGN R11-2 ATTACHED,

N) TIE PROPOSED PAVEMENT MARKING LINES TO EXISTING PAVEMENT MARKING

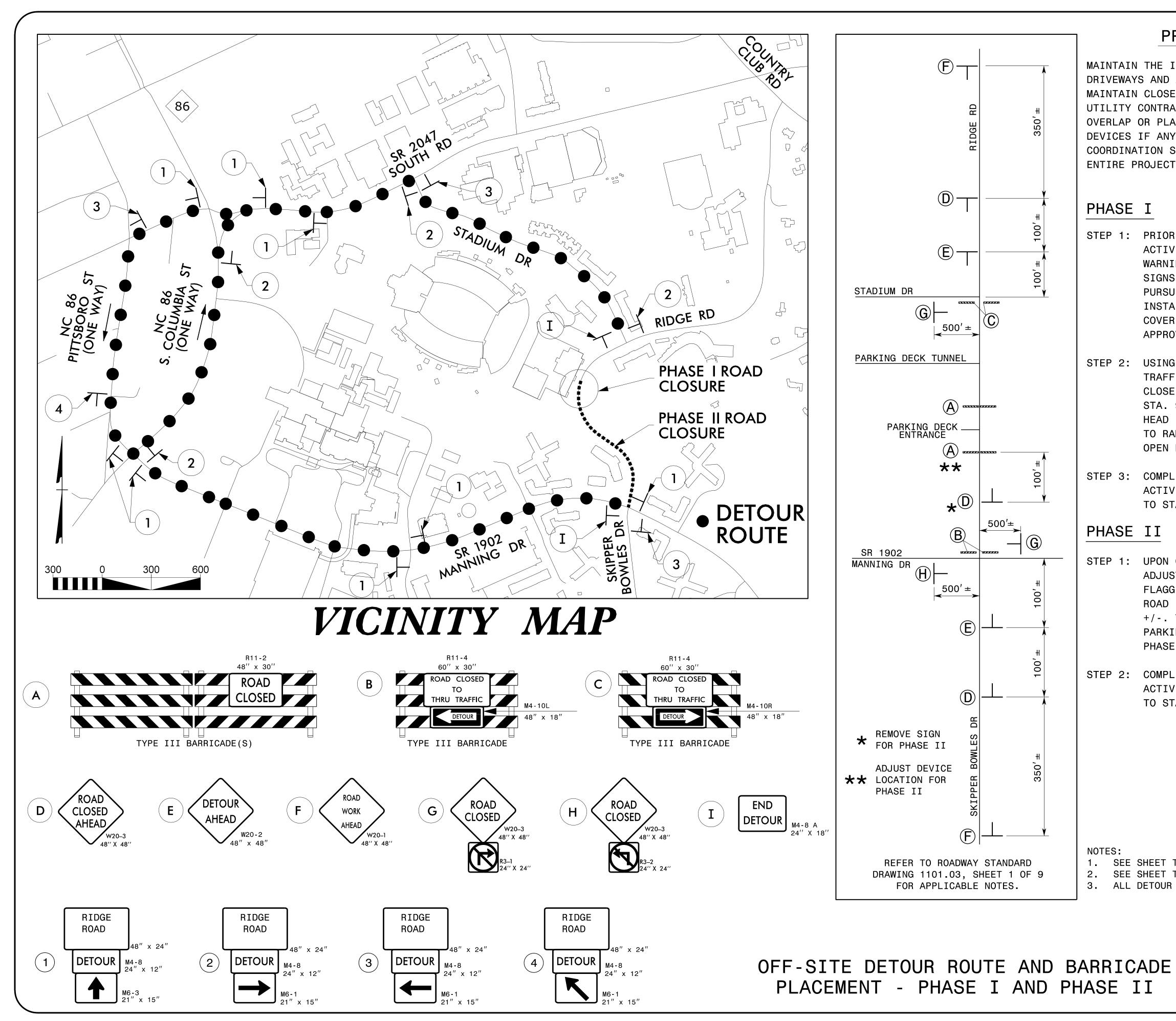
0) REMOVE/REPLACE ANY CONFLICTING/DAMAGED PAVEMENT MARKINGS AND MARKERS

P) 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,



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Ridge Road RECONSTRUCTION TOWN OF CHAPEL HILL PUBLIC WORKS DEPARTMENT ENGINEERING AND DESIGN SERVICES DIVISION 6850 MILLHOUSE ROAD CHAPEL HILL, NC 27516					
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Project Date Scale	TCP -	1			



## PROJECT PHASING

MAINTAIN THE INGRESS AND EGRESS TO ALL DRIVEWAYS AND ALL SIDE ROADS AT ALL TIMES. MAINTAIN CLOSE COORDINATION WITH ANY/ALL UTILITY CONTRACTORS ON SITE IF PRESENT. DO NOT OVERLAP OR PLACE CONFLICTING TRAFFIC CONTROL DEVICES IF ANY UTILITY CONSTRUCTION IS ONGOING. COORDINATION SHALL BE CONTINUOUS THROUGHOUT THE ENTIRE PROJECT CONTRACT.

STEP 1: PRIOR TO BEGINNING ANY CONSTRUCTION ACTIVITIES, INSTALL WORK ZONE ADVANCED WARNING SIGNS AND ALL OFFSITE DETOUR SIGNS FOR RIDGE ROAD. IF WORK IS NOT PURSUED WITHIN THREE DAYS OF SIGN INSTALLATION, THE SIGNS SHALL BE COVERED OR REMOVED IN A METHOD APPROVED BY THE ENGINEER.

STEP 2: USING FLAGGERS AS NECESSARY, PLACE TRAFFIC CONTROL DEVICES AS SHOWN. CLOSE RIDGE ROAD FROM STA. 7+00 +/- TO STA. 9+00 +/- (MAIN ENTRANCE TO RAMS HEAD PARKING DECK). THE NORTH ENTRANCE TO RAMS HEAD PARKING DECK SHALL REMAIN OPEN DURING PHASE I.

STEP 3: COMPLETE MILLING AND RESURFACING ACTIVITIES IN PHASE I AREA (STA. 7+68 TO STA. 8+57) AS DIRECTED BY ENGINEER.

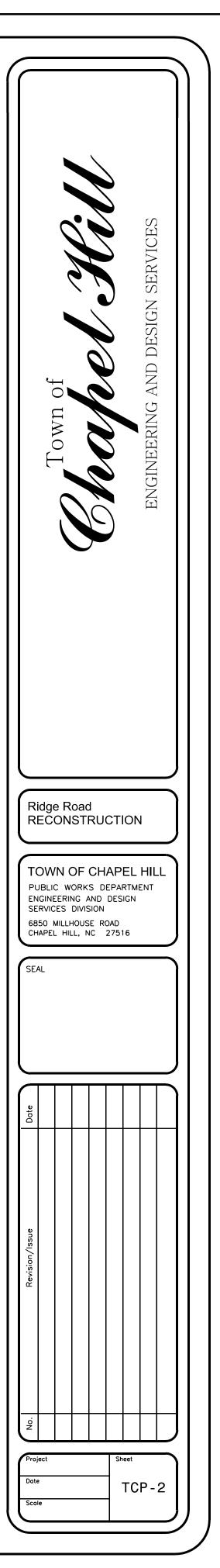
STEP 1: UPON COMPLETION OF PHASE I WORK, ADJUST TRAFFIC CONTROL DEVICES USING FLAGGERS AS NECESSARY TO CLOSE RIDGE ROAD FROM STA. 0+00 +/- TO STA. 8+00 +/-. THE MAIN ENTRANCE TO RAMS HEAD PARKING DECK SHALL REMAIN OPEN DURING PHASE II.

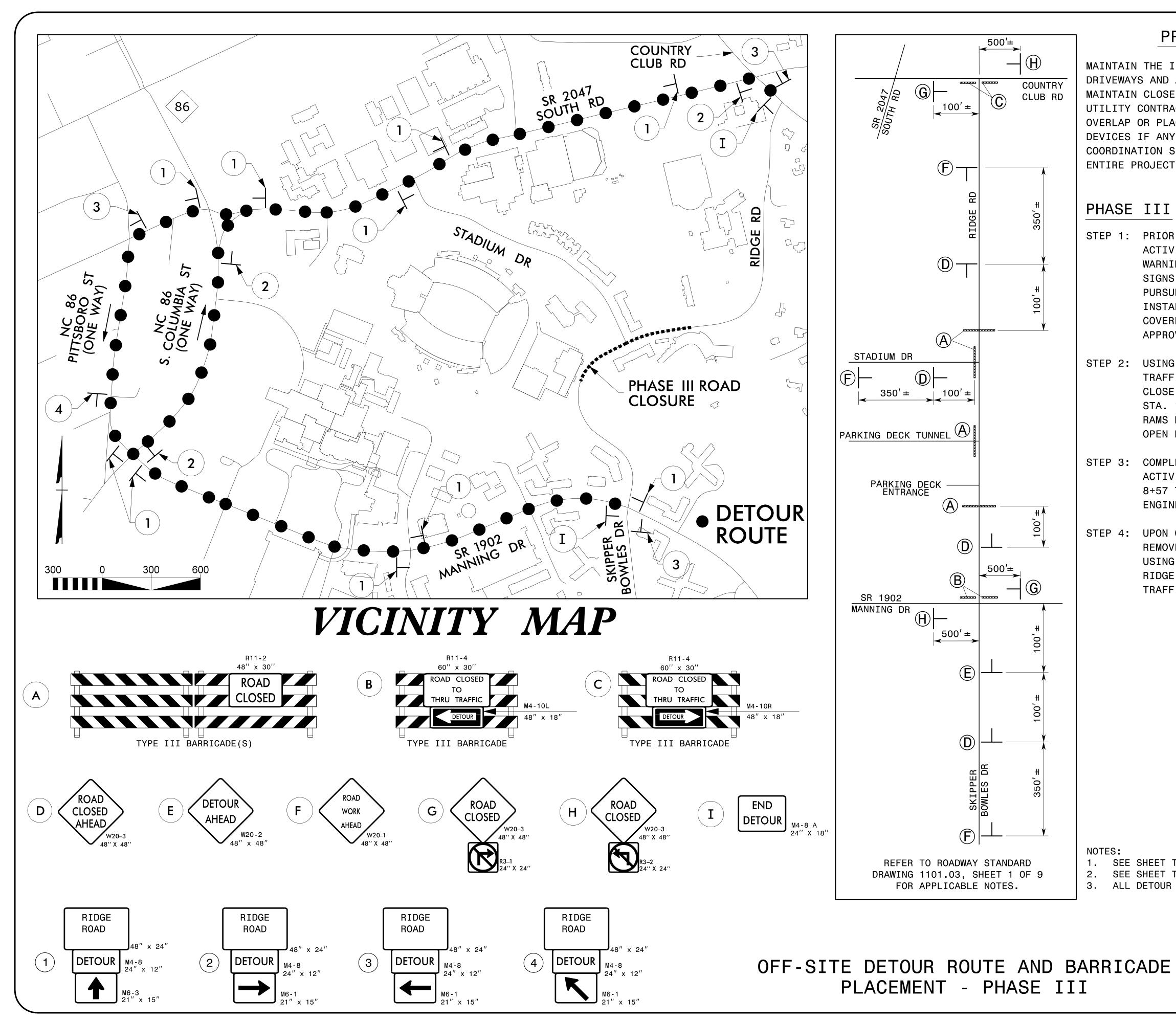
STEP 2: COMPLETE MILLING AND RESURFACING ACTIVITIES IN PHASE II AREA (STA. 0+63 TO STA. 7+68).

1. SEE SHEET TCP-4 FOR PEDESTRIAN DETOUR DETAILS SEE SHEET TCP-5 FOR SPECIAL SIGN DESIGNS 3. ALL DETOUR SIGN LOCATIONS ARE APPROXIMATE



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STEP 1: PRIOR TO BEGINNING ANY CONSTRUCTION ACTIVITIES, INSTALL WORK ZONE ADVANCED WARNING SIGNS AND ALL OFFSITE DETOUR SIGNS FOR RIDGE ROAD. IF WORK IS NOT PURSUED WITHIN THREE DAYS OF SIGN INSTALLATION, THE SIGNS SHALL BE COVERED OR REMOVED IN A METHOD APPROVED BY THE ENGINEER.

STEP 2: USING FLAGGERS AS NECESSARY, PLACE TRAFFIC CONTROL DEVICES AS SHOWN. CLOSE RIDGE ROAD FROM STA. 8+50 +/- TO STA. 17+00 +/-. THE MAIN ENTRANCE TO RAMS HEAD PARKING DECK SHALL REMAIN OPEN DURING PHASE III.

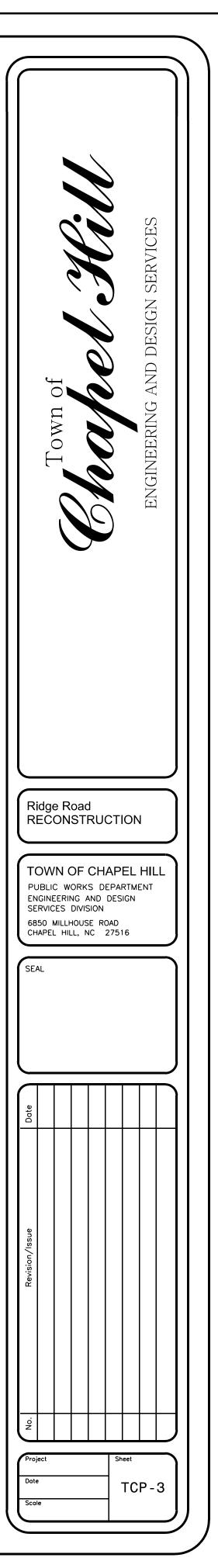
STEP 3: COMPLETE MILLING AND RESURFACING ACTIVITIES IN PHASE III AREA (STA. 8+57 TO STA. 16+41) AS DIRECTED BY ENGINEER.

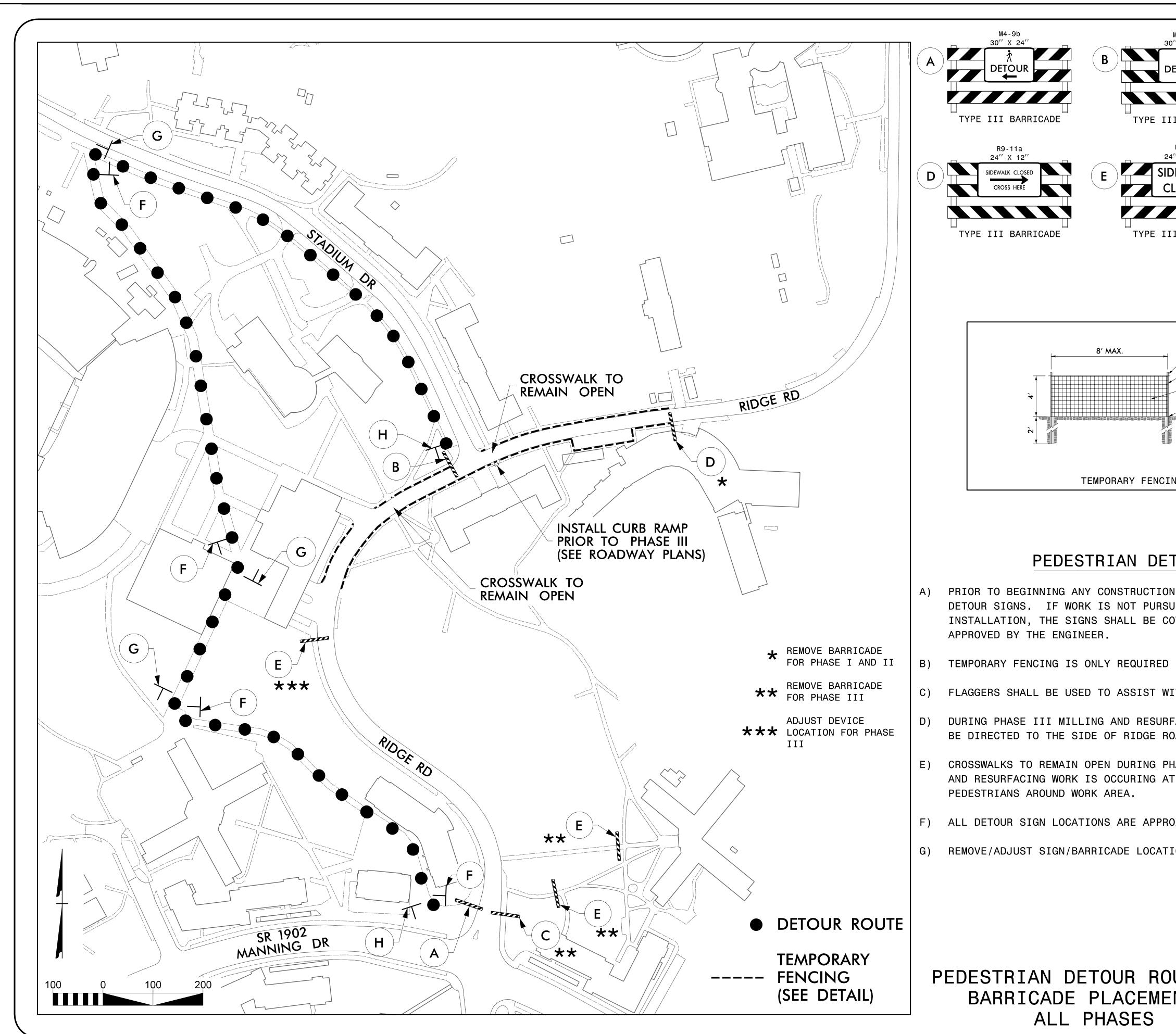
> UPON COMPLETION OF PHASE III WORK, REMOVE ALL TRAFFIC CONTROL DEVICES USING FLAGGERS AS NECESSARY AND REOPEN RIDGE ROAD TO TWO-LANE, TWO-WAY TRAFFIC.

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M4-9b O" X 24" FTOUR FTOUR R9-9 4" X 12" DEWALK LOSED TI BARRICADE STEEL POST OR STAKE ATTACH FENCING WI PLASTIC OR WIRE TIES ORANGE, UV RESISTANT, H STRENGTH POLY BARRICAL REMOVE SIDEWALK BRICKS, OR STAKE APPROX. 2' INTO	(TYP.) TYPE III BARRICADE TYPE III BARRICADE TYPE III BARRICADE M4-9B 30" X 24" M4-9B 30" X 24" M4-8 A 24" X 18" M4-8 A 24" X 18"	wn of Cherry Che
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