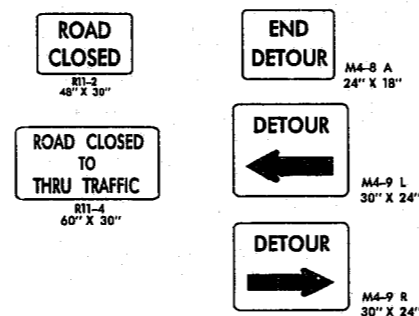


DETOUR SIGN SCHEDULE

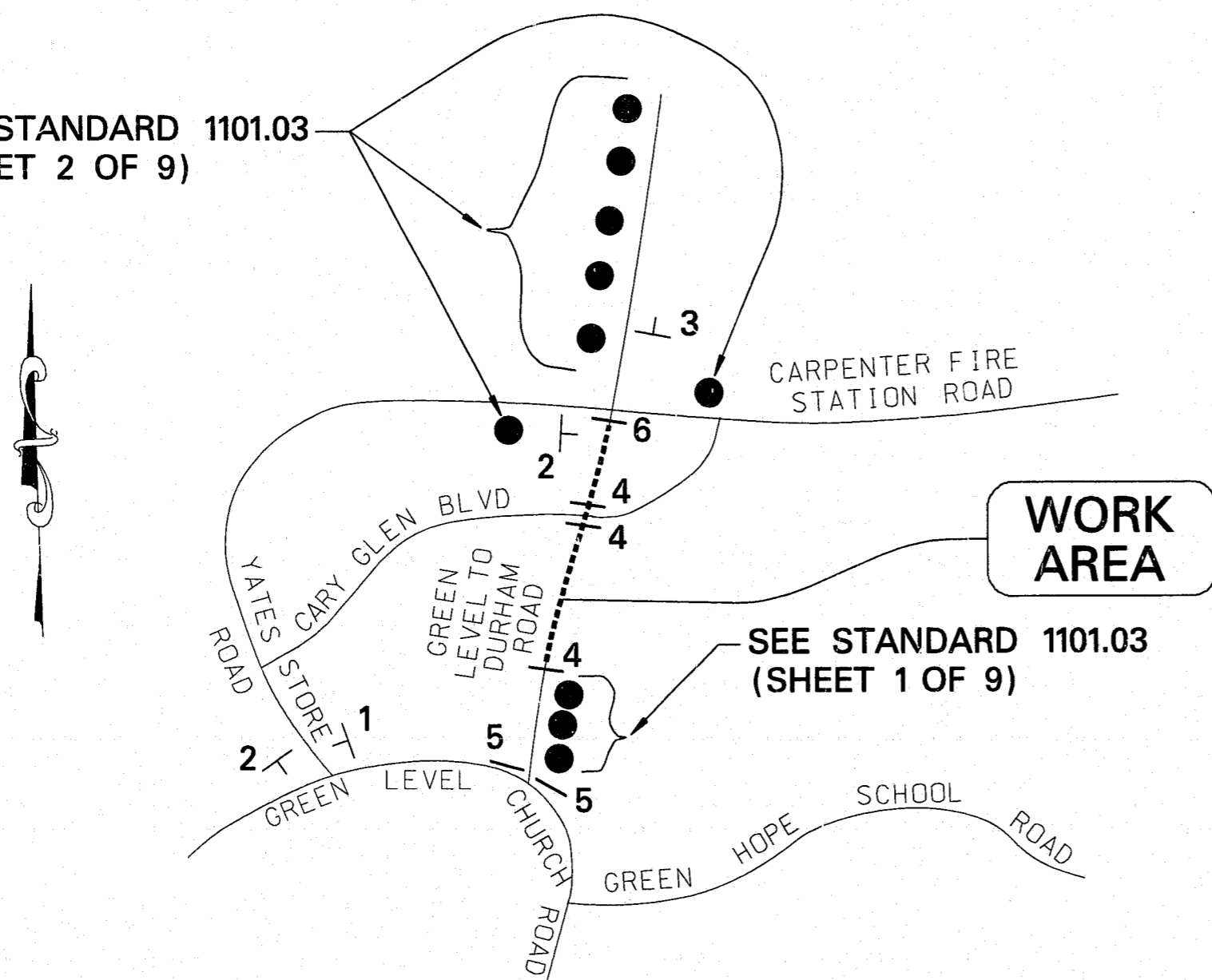
PLEASE REFER TO THE TABLE AND MAP BELOW FOR THE LOCATIONS OF EACH DETOUR SIGN. SIGNS ARE SHOWN TO THE RIGHT FOR VISUAL REFERENCE.

SIGN NO.	DESCRIPTION
1	DETOUR SIGN TYPE M4-9R
2	DETOUR SIGN TYPE M4-9L
3	DETOUR SIGN TYPE M4-8A
4	TYPE 3 BARRICADE WITH SIGNS R11-2
5	TYPE 3 BARRICADE WITH SIGNS R11-4 AND M4-9L
6	TYPE 3 BARRICADE WITH SIGNS R11-2 AND M4-9R

SIGN REFERENCES



SEE STANDARD 1101.03 (SHEET 2 OF 9)



SEE STANDARD 1101.03 (SHEET 1 OF 9)

STATE OF NORTH CAROLINA
DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS
RALEIGH, N.C.

ENGLISH STANDARD DRAWING FOR
TEMPORARY ROAD CLOSURES
CLOSURE BEYOND DETOUR POINT

SHEET 1 OF 9
1101.03

GENERAL NOTES

- IF NECESSARY USE THIS STD FOR TWO-LANE, TWO-WAY, AND MULTILANE DIVIDED AND UNDIVIDED ROADWAYS.
- INSTALLATION OF DETOUR ROUTING PANELS, TEMPORARY ROUTE MARKERS, DESTINATION SIGNS, AND ANY NECESSARY MODIFICATIONS TO EXISTING OR PROPOSED REGULATORY OR WARNING SIGNS WILL BE MADE BY OTHERS (STATE OR CITY FORCES) UNLESS OTHERWISE DESIGNATED IN THE PLANS. PROVIDE A MINIMUM 21 CALENDAR DAY NOTICE TO STATE FORCES BEFORE A ROADWAY IS CLOSED TO TRAFFIC SUCH THAT THE NECESSARY PROVISIONS CAN BE MADE TO INSTALL DETOUR ROUTE SIGNS, AND TO INFORM LOCAL EMERGENCY AND LAW ENFORCEMENT PERSONNEL, SCHOOLS OR ANY OTHER PARTIES AFFECTED BY THE ROAD CLOSURE.
- INSTALL SIGNS BEFORE THE BARRICADES WHEN CLOSING THE ROADWAY TO TRAFFIC. REMOVE BARRICADES BEFORE SIGNS WHEN OPENING THE ROADWAY TO TRAFFIC. INSTALL/REMOVE SIGNS AND/OR BARRICADES WITHIN THE SAME CALENDAR DAY.
- USE ADDITIONAL TYPE II BARRICADES IN STAGGERED LOCATIONS SUPPLEMENTED WITH SIGN R11-4 "ROAD CLOSED TO THRU TRAFFIC" IN THE EVENT THAT LOCAL TRAFFIC MUST BE MAINTAINED BEYOND THE POINT WHERE THE ROADWAY IS CLOSED.
- DO NOT DISPLAY FRACTIONS OR DECIMALS ON SIGN R11-3 "ROAD CLOSED XX MILES AHEAD".
- POSITION WING BARRICADES SUCH THAT THE STRIPES ARE SLOPED DOWNWARD IN THE DIRECTION TOWARD WHICH TRAFFIC MUST TURN IN DETOURING.
- USE PORTABLE SIGNS IF ROAD CLOSURE IS TO BE IMPLEMENTED FOR LESS THAN ONE DAY OR FOR EMERGENCIES.

LEGEND

- ▲ WARNING FLAGS
- STATIONARY SIGN
- DIRECTION OF TRAFFIC FLOW

STATE OF NORTH CAROLINA
DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS
RALEIGH, N.C.

ENGLISH STANDARD DRAWING FOR
TEMPORARY ROAD CLOSURES
CLOSURE AT DETOUR POINT

SHEET 2 OF 9
1101.03

GENERAL NOTES

- IF NECESSARY USE THIS STD FOR CROSS-ROADS AS SHOWN OR FOR "T" INTERSECTIONS ON TWO-LANE, TWO-WAY, AND MULTILANE UNDIVIDED AND DIVIDED ROADWAYS.
- INSTALLATION OF DETOUR ROUTING PANELS, TEMPORARY ROUTE MARKERS, DESTINATION SIGNS, AND ANY NECESSARY MODIFICATIONS TO EXISTING OR PROPOSED REGULATORY OR WARNING SIGNS WILL BE MADE BY OTHERS (STATE OR CITY FORCES) UNLESS OTHERWISE DESIGNATED IN THE PLANS. PROVIDE A MINIMUM 21 CALENDAR DAY NOTICE TO STATE FORCES BEFORE A ROADWAY IS CLOSED TO TRAFFIC SUCH THAT THE NECESSARY PROVISIONS CAN BE MADE TO INSTALL DETOUR ROUTE SIGNS, AND TO INFORM LOCAL EMERGENCY AND LAW ENFORCEMENT PERSONNEL, SCHOOLS OR ANY OTHER PARTIES AFFECTED BY THE ROAD CLOSURE.
- INSTALL SIGNS BEFORE BARRICADES WHEN CLOSING THE ROADWAY TO TRAFFIC. REMOVE BARRICADES BEFORE SIGNS WHEN OPENING THE ROADWAY TO TRAFFIC. INSTALL/REMOVE SIGNS AND/OR BARRICADES WITHIN THE SAME CALENDAR DAY.
- USE ADDITIONAL TYPE II BARRICADES IN STAGGERED LOCATIONS SUPPLEMENTED WITH SIGN R11-4 "ROAD CLOSED TO THRU TRAFFIC" IN THE EVENT THAT LOCAL TRAFFIC MUST BE MAINTAINED BEYOND THE POINT WHERE THE ROADWAY IS CLOSED.
- POSITION WING BARRICADES SUCH THAT THE STRIPES ARE SLOPED DOWNWARD IN THE DIRECTION TOWARD WHICH TRAFFIC MUST TURN IN DETOURING.
- USE PORTABLE SIGNS IF ROAD CLOSURE IS TO BE IMPLEMENTED FOR LESS THAN ONE DAY OR FOR EMERGENCIES.

LEGEND

- ▲ WARNING FLAGS
- STATIONARY SIGN
- DIRECTION OF TRAFFIC FLOW

STATE OF NORTH CAROLINA
DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS
RALEIGH, N.C.

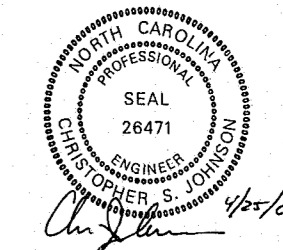
ENGLISH STANDARD DRAWING FOR
BARRICADES
TYPE I, TYPE II, TYPE III & PERMANENT

SHEET 1 OF 1
1145.01

GENERAL NOTES

- TYPE I AND TYPE II BARRICADES ARE NORMALLY USED WHERE TRAFFIC IS TO BE MAINTAINED. USE TYPE III BARRICADES FOR TEMPORARY ROAD CLOSURES. PERMANENT BARRICADES ARE USED FOR NON-WORK ZONE APPLICATIONS WHEN THE END OF A ROADWAY IS REQUIRED TO BE BARRICADED.
- EXTEND BARRICADES ACROSS THE ENTIRE ROADWAY WHEN USED TO CLOSE A ROADWAY. PLACE THE BARRICADES IN A STAGGERED PATTERN WHERE LOCAL TRAFFIC MUST BE MAINTAINED.
- USE RETROREFLECTIVE FACES ALONG RAIL SIDES FACING TRAFFIC.
- NOMINAL LUMBER SIZES ARE SATISFACTORY FOR RAIL WIDTH DIMENSIONS.
- ALTERNATE ORANGE AND WHITE RETROREFLECTIVE STRIPES ON WORK ZONE BARRICADE RAILS SLOPED DOWNWARD TOWARDS THE SIDE WHICH TRAFFIC IS TO PASS, OR TURN IN DETOURING. SLOPE THE STRIPES DOWNWARD TOWARDS THE CENTER OF THE BARRICADE OR BARRICADES WHERE NO TURN OR INTERSECTION IS INVOLVED. USE RED AND WHITE STRIPES FOR PERMANENT BARRICADES.
- USE 6 INCHES WIDE STRIPES. USE 4 INCH STRIPES WHERE RAILS ARE LESS THAN 28 INCHES LONG.
- THE MINIMUM RAIL LENGTH IS 24 INCHES EXCEPT FOR BARRICADES THAT ARE USED ON EXPRESSWAYS, FREEWAYS, AND OTHER HIGH SPEED ROADWAYS WHERE A MINIMUM OF 270 SQUARE INCH REFLECTIVE AREA IS REQUIRED PER RAIL.
- SUPPORT BARRICADES IN A MANNER THAT WILL ALLOW THEM TO BE SEEN BY THE MOTORIST AND PROVIDE A STABLE SUPPORT NOT EASILY SWAYED BY THE WIND OR TRAFFIC. INCLUDE SUPPORTS FOR TYPE I BARRICADES AND OTHER UNSTRIPPED RAILS NECESSARY TO PROVIDE STABILITY. USE LIGHTWEIGHT SUPPORTS AND DO NOT USE RIGID SWAY BRACING FOR "A" FRAME DESIGNS.
- USE BARRICADES PLACED ON THE LOWER PART OF THE FRAME FOR BALLASTING. DO NOT PLACE SANDBAGS ON TOP OF A STRIPPED RAIL. DO NOT BALLAST BARRICADES BY HEAVY OBJECTS SUCH AS BLOCK CHAINS OF CONCRETE OR OTHER ITEMS THAT WOULD CAUSE DAMAGE IF THE BARRICADE IS STRUCK BY A VEHICLE.

APPROVED
TOWN OF CARY
DRC: 4-24-03 Date
Planning: CSJ Date: 4-23-03
Engineering: JS Date: 4-24-03



04/25/2003 K:\0101-100\0101145.dgn

1	TOC 1ST REVIEW COMMENTS	6/24/02	CSJ
2	TOC 2ND REVIEW COMMENTS	7/16/02	CSJ
3	TOC 3RD REVIEW COMMENTS	8/21/02	CSJ
4	WITHERS & RAVENEL, INC.	12/12/02	CSJ
5	INCDOT 1st REVIEW COMMENTS	4/1/03	CSJ
6	INCDOT 2nd REVIEW COMMENTS	4/25/03	CSJ

Designer	CSJ	Scale	1" = 50'
Drawn By	CSJ	Date	APRIL, 2003
Checked By	JEC	Job No.	201115

**GREEN LEVEL TO DURHAM ROAD
WIDENING AT CARY PARK PUD
CARY, NORTH CAROLINA**

TRAFFIC CONTROL PLAN

WITHERS & RAVENEL
ENGINEERS | PLANNERS | SURVEYORS
111 MacKean Drive Cary, North Carolina 27511 tel: 919-469-3340 fax: 919-467-6008 www.withersravenel.com

Sheet No.
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