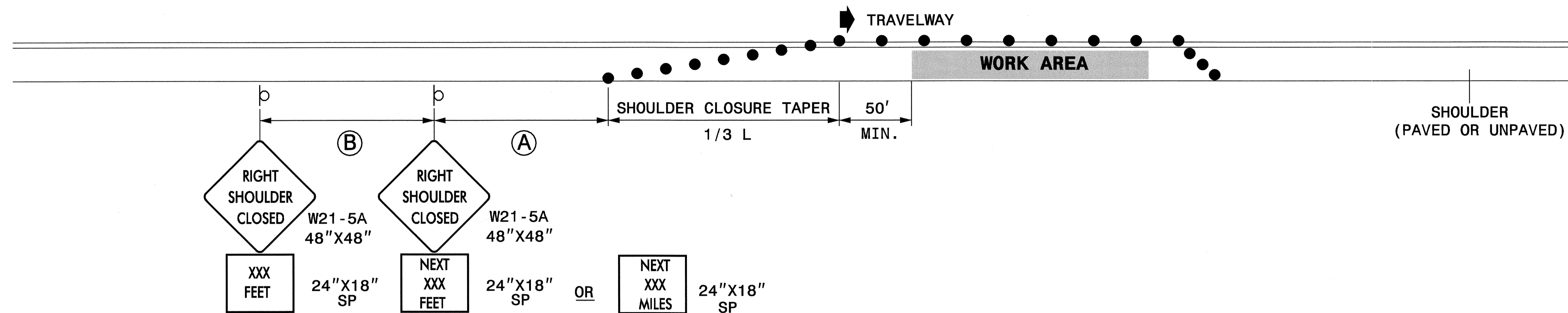
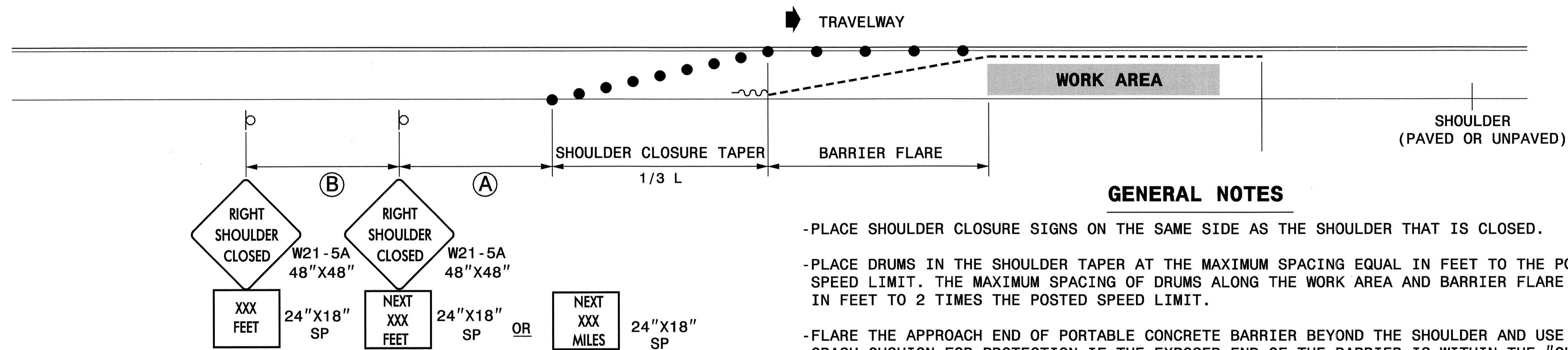


SHOULDER CLOSURES UTILIZING DRUMS



SHOULDER CLOSURES UTILIZING TEMPORARY BARRIER

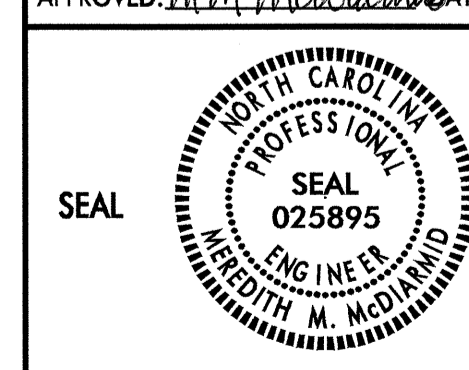


GENERAL NOTES

- PLACE SHOULDER CLOSURE SIGNS ON THE SAME SIDE AS THE SHOULDER THAT IS CLOSED.
- PLACE DRUMS IN THE SHOULDER TAPER AT THE MAXIMUM SPACING EQUAL IN FEET TO THE POSTED SPEED LIMIT. THE MAXIMUM SPACING OF DRUMS ALONG THE WORK AREA AND BARRIER FLARE IS EQUAL IN FEET TO 2 TIMES THE POSTED SPEED LIMIT.
- FLARE THE APPROACH END OF PORTABLE CONCRETE BARRIER BEYOND THE SHOULDER AND USE A CRASH CUSHION FOR PROTECTION IF THE EXPOSED END OF THE BARRIER IS WITHIN THE "CLEAR ZONE".
- USE STATIONARY SIGNS FOR LONG TERM OPERATIONS (LONGER THAN 3 DAYS).
- REFER TO STD. 1101.11 SHEETS 1, 3, & 4, FOR "L" DISTANCE, BARRIER FLARE RATES, AND SIGN SPACING.

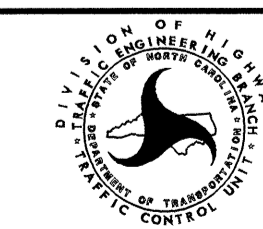
| LEGEND | |
|--------|-----------------------------|
| | TEMPORARY CRASH CUSHION |
| | PORTABLE CONCRETE BARRIER |
| | DRUM |
| | STATIONARY OR PORTABLE SIGN |
| | DIRECTION OF TRAFFIC FLOW |

APPROVED: *MMM* DATE: 4/2/04



DETAIL DRAWING TEMPORARY SHOULDER CLOSURE

SCALE: NONE
 DATE: MAR 04
 DWG. BY: MMM
 DESIGN BY: MMM
 REVIEWED BY: MMM



| REVISIONS | |
|-----------|--|
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| | |

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

ENGLISH STANDARD DRAWING FOR
TEMPORARY SHOULDER CLOSURES