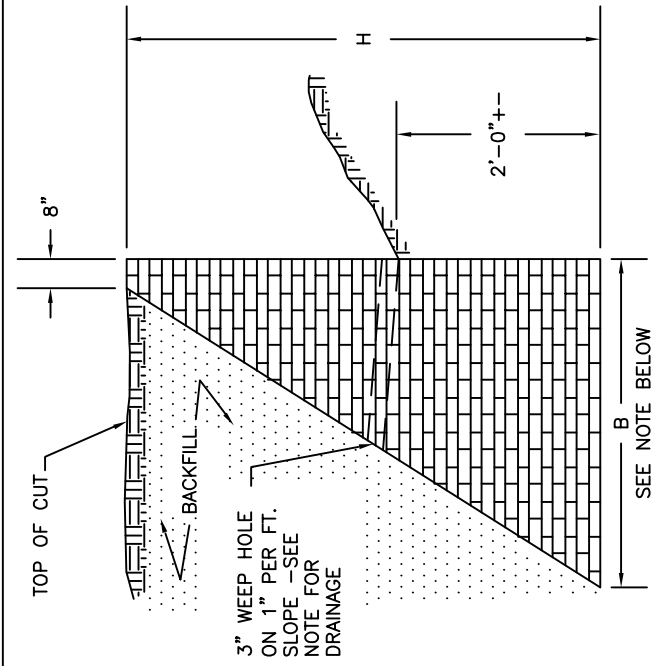


SECTION OF  
CONCRETE RETAINING WALL



SECTION OF  
BRICK MASONRY RETAINING WALL

GENERAL NOTES:

ELEVATION OF BOTTOM OF FOOTING, WIDTH OF BASE AND HEIGHT OF WALL TO BE DETERMINED BY THE ENGINEER.  
 NO MASONRY SHALL BE LAID UNTIL THE DEPTH AND CHARACTER OF THE FOUNDATION HAVE BEEN INSPECTED AND APPROVED BY THE ENGINEER.  
 WEEP HOLES 3" IN DIAMETER SHALL BE PLACED AT ABOUT 10'-0" INTERVALS JUST ABOVE THE SURFACE OF THE EXISTING GROUND.  
 A STONE DRAIN CONSISTING OF 1 (ONE) CUBIC FOOT OF NUMBER 78M STONE CONTAINED IN A BAG OF POROUS FABRIC SHALL BE PLACED AT EACH WEEP HOLE. SUBDRAIN FINE AGGREGATE SHALL BE PLACED BENEATH, AROUND, AND OVER THE STONE DRAIN SO THAT THE STONE DRAIN IS COVERED BY A LAYER OF SUBDRAIN FINE AGGREGATE AT LEAST 1 FOOT THICK. A HORIZONTAL DRAIN OF SUBDRAIN FINE AGGREGATE AT LEAST 1 FOOT SQUARE IN CROSS SECTION SHALL THEN BE PLACED TO CONNECT ALL STONE DRAINS. A VERTICAL DRAIN OF SUBDRAIN FINE AGGREGATE AT LEAST 1 FOOT SQUARE IN CROSS SECTION SHALL BE PLACED AT EACH WEEP HOLE TO AN ELEVATION 2 FEET BELOW THE SURFACE OF THE EMBANKMENT.  
 CLASS "A" CONCRETE TO BE USED FOR CONCRETE RETAINING WALLS AND FOOTING FOR BRICK RETAINING WALLS. IN CONCRETE RETAINING WALL 1/2" EXPANSION JOINT EVERY 25'.

NOTE: THE FOLLOWING BASE WIDTHS ARE TO BE USED

|                 |           |
|-----------------|-----------|
| H               | B         |
| 4'-0" TO 10'-0" | 0.4H + 8" |

WALL HEIGHT (H) SHALL NOT EXCEED 10'



|         |         |              |
|---------|---------|--------------|
| DATE    | REVISED | SCALE        |
| 8/16/04 | 8/18/04 | NOT TO SCALE |

|        |     |
|--------|-----|
| DETAIL | R-8 |
|--------|-----|

STANDARD CONCRETE AND BRICK RETAINING WALLS WITH NO SURCHARGE  
 CITY OF BURLINGTON, NORTH CAROLINA  
 ENGINEERING DEPARTMENT