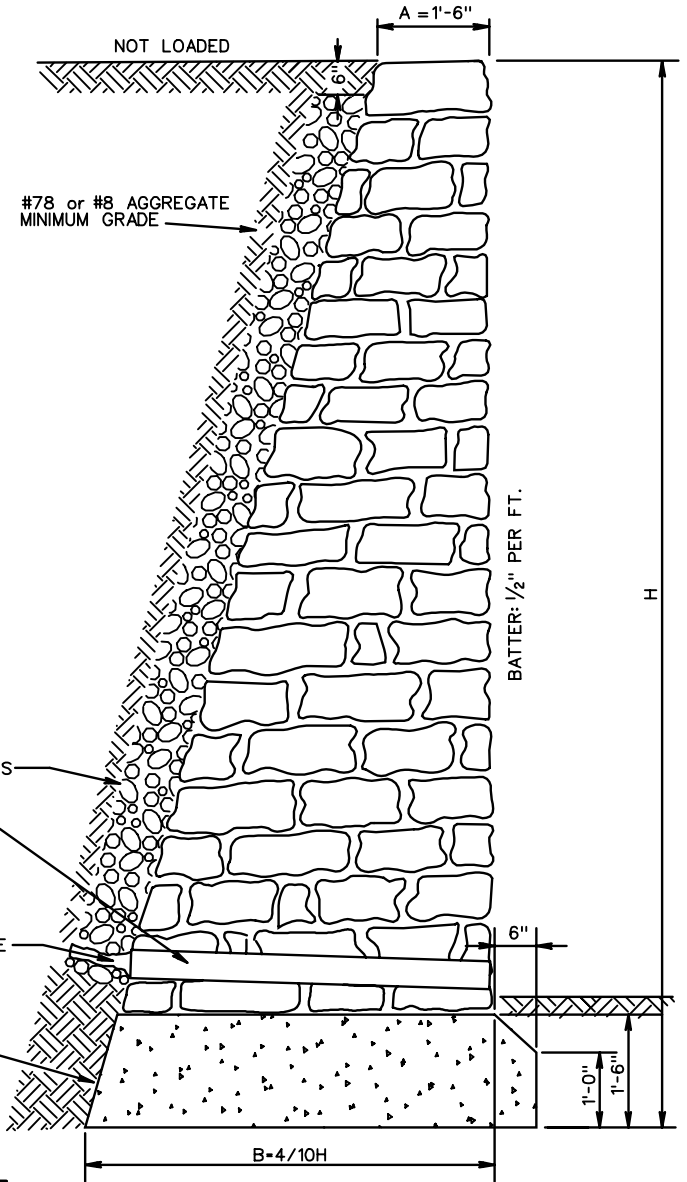


| HEIGHT OF WALL "H" IN FEET | THICKNESS AT TOP "A" IN FEET | THICKNESS AT BASE IN FEET | AREA OF WALL SQ. FEET | AREA OF FOOTING SQ. FEET |
|-------------------------------|---------------------------------|------------------------------|--------------------------|-----------------------------|
| 2 | 1'-6" | 1'-6" | 0.750 | 2.875 |
| 3 | 1'-6" | 1'-6" | 2.250 | 2.875 |
| 4 | 1'-6" | 1'-7/4" | 3.828 | 2.997 |
| 5 | 1'-6" | 2'-0" | 5.862 | 3.513 |
| 6 | 1'-6" | 2'-4 3/4" | 8.212 | 4.113 |
| 7 | 1'-6" | 2'-9 1/2" | 12.060 | 4.615 |
| 8 | 1'-6" | 3'-2 1/2" | 14.240 | 5.186 |
| 9 | 1'-6" | 3'-7 1/4" | 17.813 | 5.762 |
| 10 | 1'-6" | 4'-0" | 21.781 | 6.344 |
| 11 | 1'-6" | 4'-4 3/4" | 26.148 | 6.927 |
| 12 | 1'-6" | 4'-9 1/2" | 30.909 | 7.516 |
| 13 | 1'-6" | 5'-2 1/2" | 36.070 | 8.105 |
| 14 | 1'-6" | 5'-7 1/4" | 41.629 | 8.696 |
| 15 | 1'-6" | 6'-0" | 47.587 | 9.288 |



H = HEIGHT IN FEET
 A = 1'-6"
 BASE = 4/10 H
 EARTH = 100 Lbs.
 RUBBLE = 150 LBS.
 ANGLE OF REPOSE = 1 1/2: 1

POROUS BACKFILL @ 100 LBS./CU. FT.
 #78 OR #8 AGGREGATE OR CRUSHED GLASS
 MEETING #78 OR #8 GRADATION REQUIREMENTS

3" DRAIN PIPES 8' C-C

WEEP HOLE WITH 12"x12" PLASTIC HARDWARE CLOTH
 1/4" MESH OR GALVANIZED STEEL WIRE, MINIMUM
 WIRE DIAMETER 0.03", NUMBER 4 MESH HARDWARE
 CLOTH ANCHORED FIRMLY TO OUTSIDE OF STRUCTURE

DRAIN PIPES ARE TO BE ONE CONTINUOUS LENGTH
 OR BELL AND SPIGOT WITH MORTARED JOINTS.

CLASS A3 OR C1 CONCRETE

NOTE:

DEPTH OF WALL IN GROUND DETERMINED BY
 CONDITIONS. SHALL BE NOT LESS THAN 1'-6".
 IF COMPRESSION AT TOE EXCEEDS SAFE BEARING
 CAPACITY OF SOIL, A SPECIAL FOOTING IS TO BE USED.

SPECIFICATION
 REFERENCE

506

MORTAR RUBBLE RETAINING WALL-LEVEL BACKFILL

VIRGINIA DEPARTMENT OF TRANSPORTATION

REV 8/07

1201.11