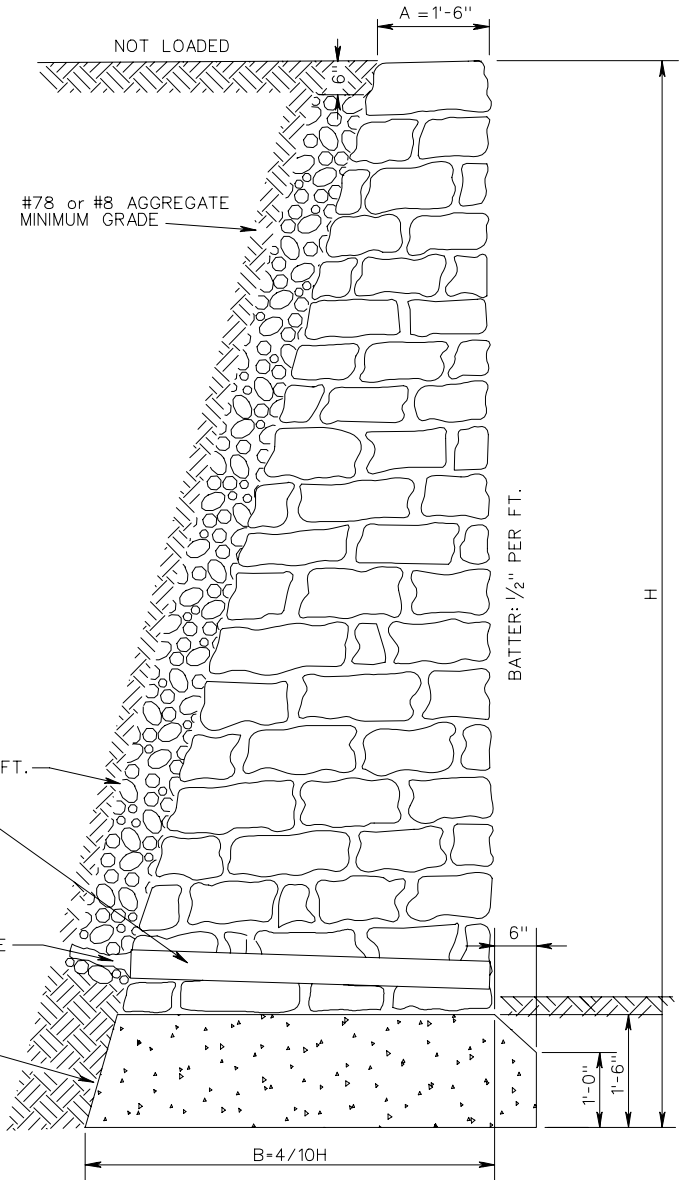


HEIGHT OF WALL "H" IN FEET	THICKNESS AT TOP "A" IN FEET	THICKNESS AT BASE IN FEET	AREA OF WALL SQ. FEET	AREA OF FOOTING SQ. FEET
2	1'-6"	1'-6"	0.750	2.875
3	1'-6"	1'-6"	2.250	2.875
4	1'-6"	1'-7 <sup>1</sup> / <sub>4</sub> "	3.828	2.997
5	1'-6"	2'-0"	5.862	3.513
6	1'-6"	2'-4 <sup>3</sup> / <sub>4</sub>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

12" POROUS BACKFILL @ 100 LBS. PER CU. FT.

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

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MORTAR RUBBLE RETAINING WALL-LEVEL BACKFILL

VIRGINIA DEPARTMENT OF TRANSPORTATION