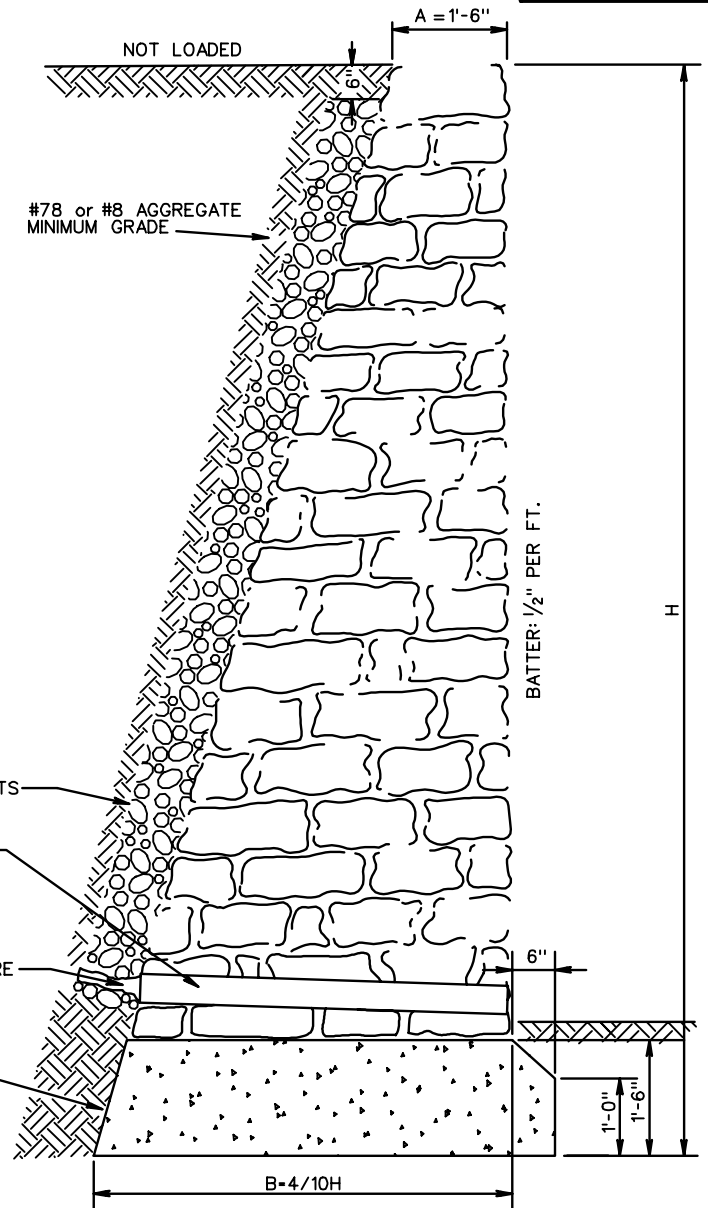


HEIGHT OF WALL "H" IN FEET	THICKNESS AT TOP "A" IN FEET	THICKNESS AT BASE IN FEET	AREA OF WALL SQ. FEET	AREA OF FOOTING SQ. FEET
2	1'-6"	1'-6"	0.750	2.875
3	1'-6"	1'-6"	2.250	2.875
4	1'-6"	1'-7 $\frac{1}{4}$ "	3.828	2.997
5	1'-6"	2'-0"	5.862	3.513
6	1'-6"	2'-4 $\frac{3}{4}$ "	8.212	4.113
7	1'-6"	2'-9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

<b>VDOT</b>	
ROAD AND BRIDGE STANDARDS	
REVISION DATE	SHEET 1 OF 1
	1201.11