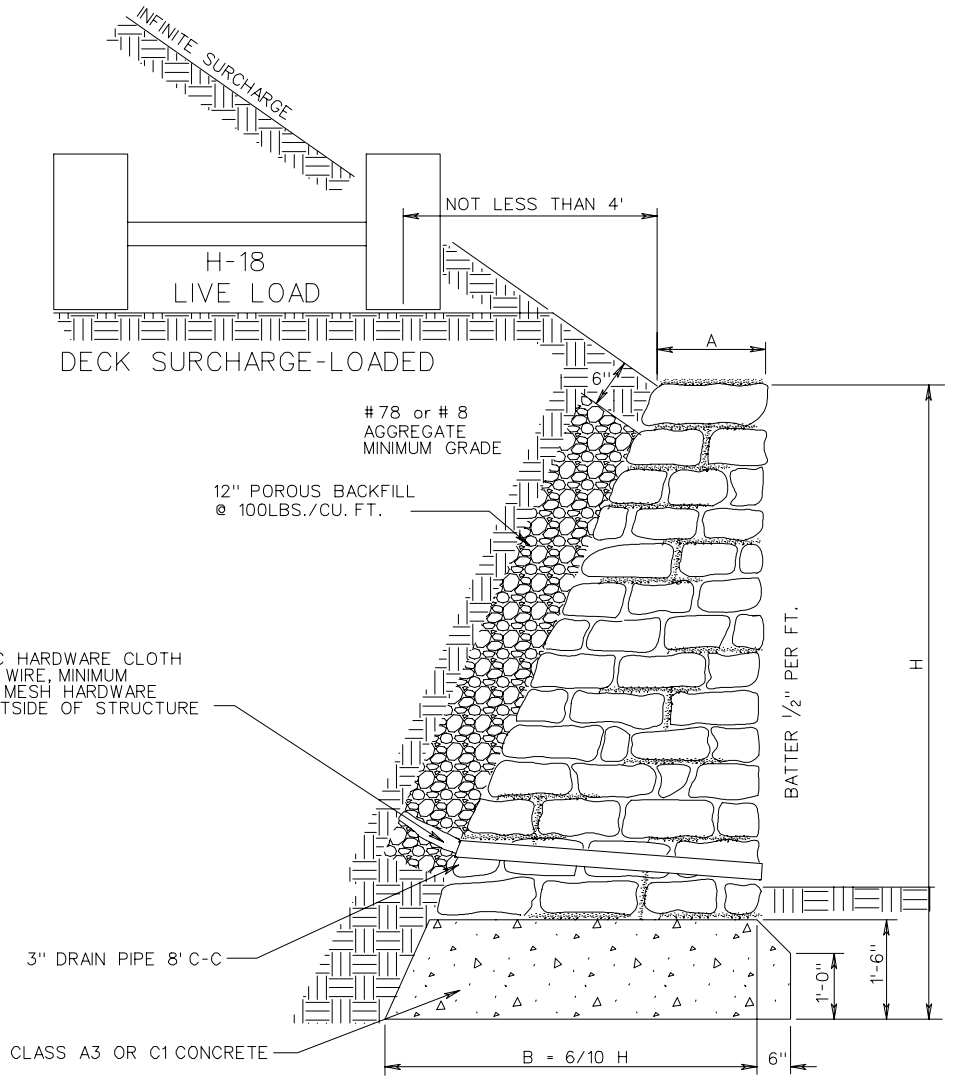
RW-1B

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
3	1'-6"	1'-9 5/8"	2.362	3.213
4	1'-6"	2'-4 7/8"	4.453	3.972
5	1'-6"	3'-0"	7.087	4.788
6	1'-8"	3'-7 1/4"	10.763	5.663
7	1'-8"	4'-2 3/8"	14.642	6.518
8	1'-9"	4'-9 5/8"	19.429	7.396
9	1'-9"	5'-4 7/8"	24.531	8.269
10	1'-10"	6'-0"	30.634	9.157
11	1'-10"	6'-7 1/4"	35.970	10.038
12	1'-11"	7'-2 3/8"	44.395	10.930
13	1'-11"	7'-9 5/8"	51.968	11.816
14	2'-0"	8'-4 7/8"	60.714	12.711
15	2'-0"	9'-0"	69.530	13.595



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

H = HEIGHT IN FEET

BASE = 6/10 H

WT. EARTH = 100 LBS./CU. FT.

WT. RUBBLE = 150 LBS./CU. FT.

ANGLE OF REPOSE = 1 1/2 : 1

NOTE:

IF COMPRESSION AT TOE EXCEEDS SAFE BEARING CAPACITY OF SOIL, A SPECIAL FOOTING IS TO BE USED.

DEPTH OF WALL IN GROUND SHALL BE DETERMINED BY CONDITIONS. SHALL BE NOT LESS THAN 1'-6".

MORTAR RUBBLE RETAINING WALL
INFINITE SURCHARGE AND DECK SURCHARGE - LOADED

VIRGINIA DEPARTMENT OF TRANSPORTATION

SPECIFICATION REFERENCE

506

1201.12