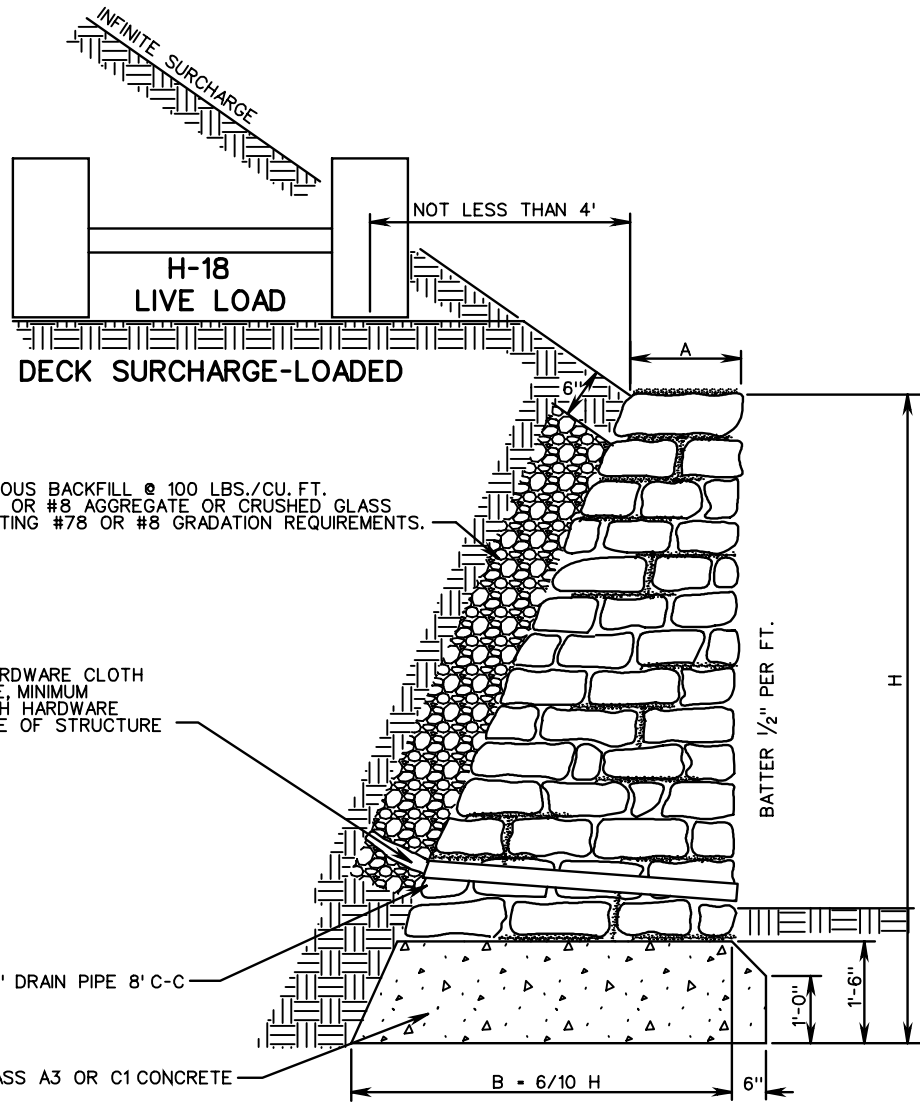


RW-1B

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



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

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.

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".



ROAD AND BRIDGE STANDARDS

SHEET 1 OF 1

REVISION DATE

1201.12

MORTAR RETAINING WALL
INFINITE SURCHARGE AND DECK SURCHARGE - LOADED

VIRGINIA DEPARTMENT OF TRANSPORTATION

SPECIFICATION
REFERENCE

506