$TIME$STAMP$

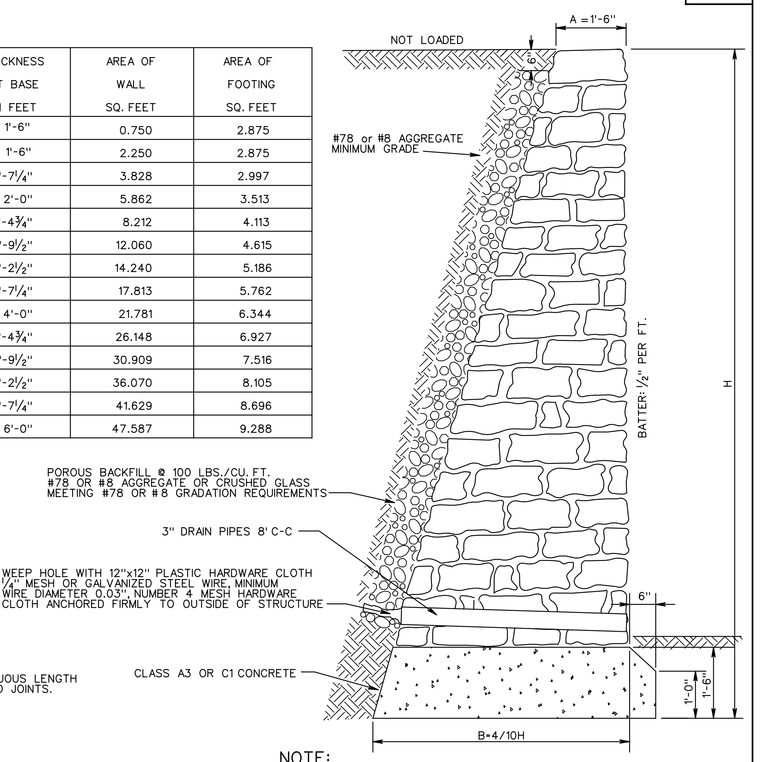
$DOWN$ $REF001 $REF002 $REF003 $REF004 $REF005 $REF006

SURVEYED BY:
SUPERVISED BY:
DESIGNED BY:

RW-1A

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'-7¼"	3.828	2.997
5	1'-6"	2'-0"	5.862	3.513
6	1'-6"	2'-4¾"	8.212	4.113
7	1'-6"	2'-9½"	12.060	4.615
8	1'-6"	3'-2½"	14.240	5.186
9	1'-6"	3'-7¼"	17.813	5.762
10	1'-6"	4'-0"	21.781	6.344
11	1'-6"	4'-4¾"	26.148	6.927
12	1'-6"	4'-9½"	30.909	7.516
13	1'-6"	5'-2½"	36.070	8.105
14	1'-6"	5'-7¼"	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 = 1½: 1



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

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'-9⅝"	2.362	3.213
4	1'-6"	2'-4⅞"	4.453	3.972
5	1'-6"	3'-0"	7.087	4.788
6	1'-8"	3'-7¼"	10.763	5.663
7	1'-8"	4'-2⅜"	14.642	6.518
8	1'-9"	4'-9⅝"	19.429	7.396
9	1'-9"	5'-4⅞"	24.531	8.269
10	1'-10"	6'-0"	30.634	9.157
11	1'-10"	6'-7¼"	35.970	10.038
12	1'-11"	7'-2⅜"	44.395	10.930
13	1'-11"	7'-9⅝"	51.968	11.816
14	2'-0"	8'-4⅞"	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.

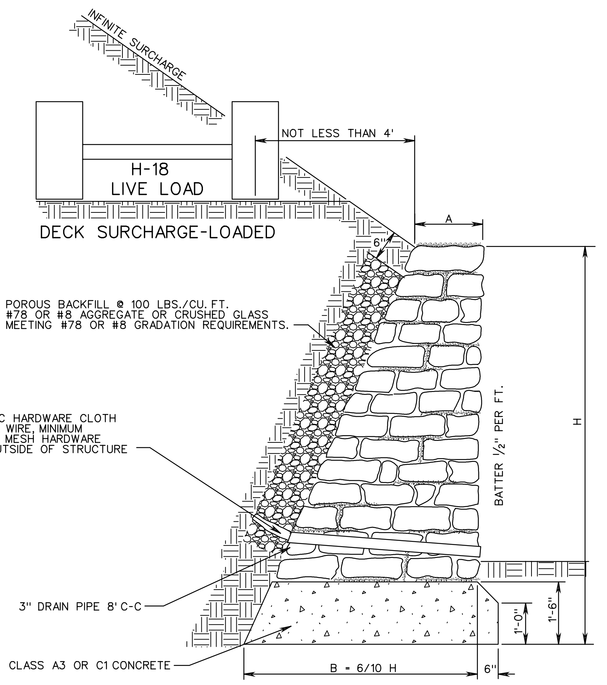
H = HEIGHT IN FEET

BASE = 6/10 H

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

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

ANGLE OF REPOSE = 1½: 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

SPECIFICATION REFERENCE: 506

REV 8/07
1201.12

VIRGINIA DEPARTMENT OF TRANSPORTATION

DESIGN FEATURES RELATING TO CONSTRUCTION OR TO REGULATION AND CONTROL OF TRAFFIC MAY BE SUBJECT TO CHANGE AS DEEMED NECESSARY BY THE DEPARTMENT

REVISED	STATE	FEDERAL AID PROJECT	ROUTE	STATE PROJECT	SHEET NO.
	VA.				

PLAN NO.
PROJECT
FILE NO.
SHEET NO.

SPECIAL DESIGN SECTION
DRAWING NO. A-196
NEW 8/07