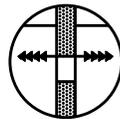


HEIGHT OF WALL "H" IN FEET	THICKNESS AT TOP "A" IN FEET	THICKNESS AT BASE "B" = .4H	COMPRESSION AT TOE LBS. SQ. FEET	AREA OF SECTION SQ. FEET
2	1'-0"	1'-0"	627	2.63
3	1'-0"	1'-2-3/8"	1009	3.93
4	1'-0"	1'-7-1/4"	1369	5.83
5	1'-0"	2'-0"	1709	8.13
6	1'-0"	2'-4-3/4"	2049	10.83
7	1'-0"	2'-9-5/8"	2385	13.93
8	1'-0"	3'-2-3/8"	2720	17.43
9	1'-0"	3'-7-1/4"	3054	21.33
10	1'-0"	4'-0"	3386	25.63
11	1'-0"	4'-4-3/4"	3718	30.33
12	1'-0"	4'-9-5/8"	4050	35.43
13	1'-0"	5'-2-3/8"	4381	40.93
14	1'-0"	5'-7-1/4"	4712	46.83
15	1'-0"	6'-0"	5043	53.13

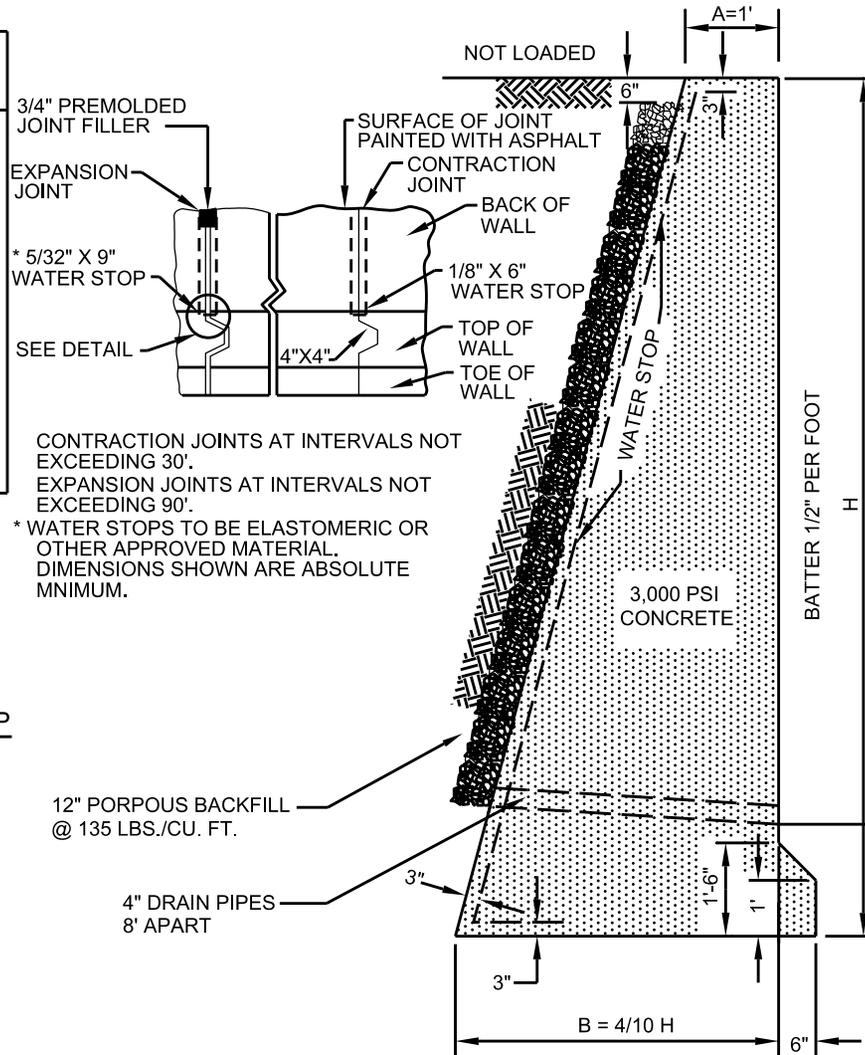
H = HEIGHT IN FEET  
A = 1'-0"  
BASE = 4/10 H  
WT. CU. FT. EARTH = 100 LBS.  
CONCRETE = 150 LBS.  
ANGLE OF REPOSE = 1-1/2:1



WATER STOP  
DETAIL

BASIS OF PAYMENTS: CU. YDS. STANDARD RETAINING WALL  
(INCLUDING 3,000 PSI CONCRETE,  
DRAIN PIPES AND WATERSTOP).  
TONS POROUS BACKFILL.  
CU. YDS. MINOR STRUCTURE EXCAVATION.

REFERENCE: EM 1110-2-2502 ENGINEERING AND DESIGN,  
RETAINING AND FLOOD WALLS.



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

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

TYPICAL CONCRETE GRAVITY RETAINING WALL - LEVEL BACKFILL

DATE  
AUG 1992

FIGURE  
2-37d