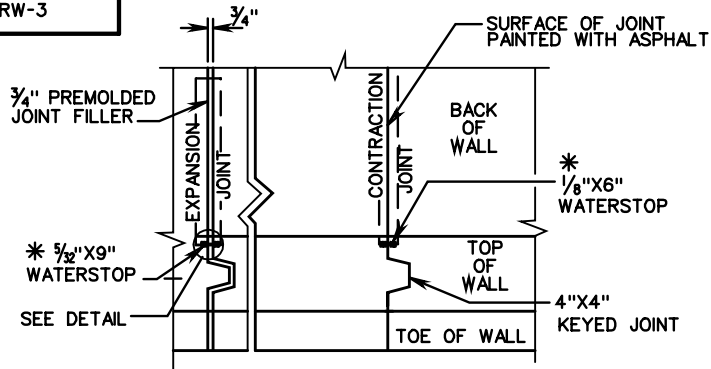
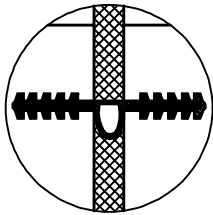


RW-3



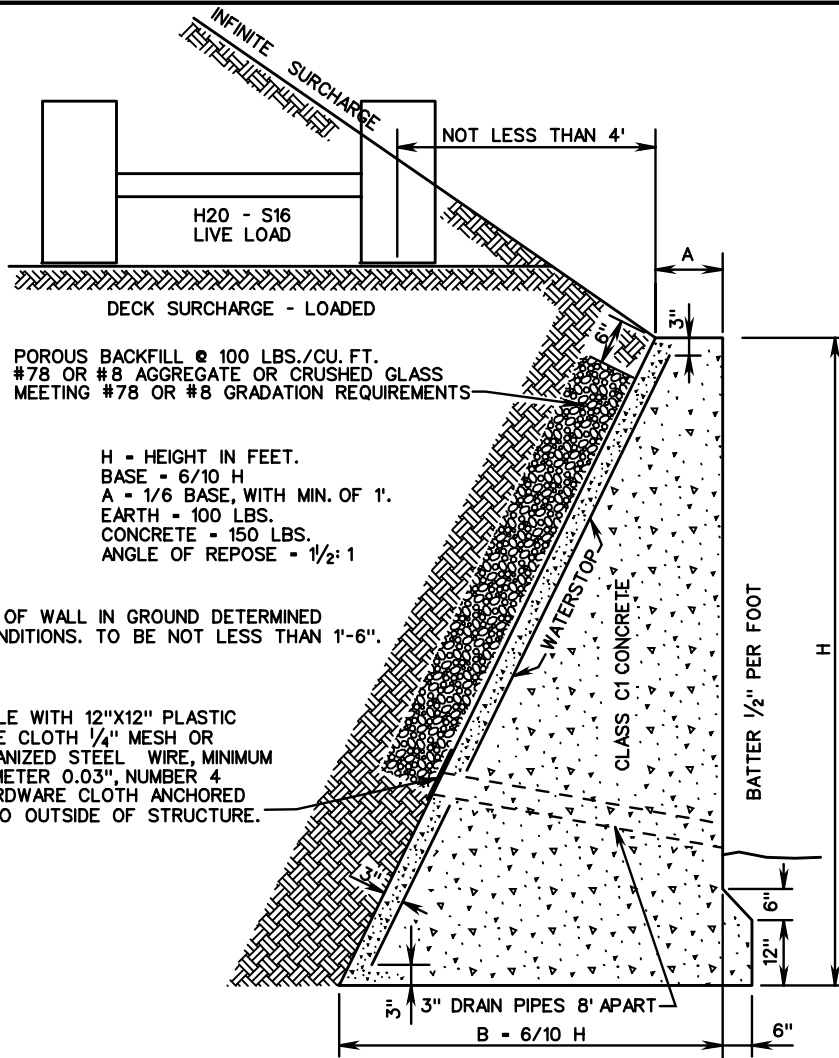
CONTRACTION JOINTS AT INTERVALS NOT EXCEEDING 30'.
EXPANSION JOINTS AT INTERVALS NOT EXCEEDING 90'.

* WATER STOPS TO BE ELASTOMERIC OR OTHER APPROVED MATERIAL. DIMENSIONS SHOWN ARE ABSOLUTE MINIMUM.



WATERSTOP
DETAIL

HEIGHT OF WALL "H" IN FEET	THICKNESS AT TOP "A" IN FEET	THICKNESS AT BASE B=.6H	COMPRESSION AT TOE LBS. PER SQ. FT.	AREA OF SECTION SQ. FT.
3	1'-0"	1'-9 $\frac{5}{8}$ "	856	4.83
4	1'-0"	2'-4 $\frac{3}{4}$ "	1141	7.43
5	1'-0"	3'-0"	1427	10.63
6	1'-0"	3'-7 $\frac{1}{4}$ "	1712	14.43
7	1'-0"	4'-2 $\frac{3}{8}$ "	1997	18.83
8	1'-0"	4'-9 $\frac{5}{8}$ "	2283	23.83
9	1'-0"	5'-4 $\frac{3}{4}$ "	2568	29.43
10	1'-0"	6'-0"	2853	35.63
11	1'-1 1/4 "	6'-7 $\frac{1}{4}$ "	3139	42.98
12	1'-2 3/8 "	7'-2 $\frac{3}{8}$ "	3424	51.03
13	1'-3 5/8 "	7'-9 $\frac{5}{8}$ "	3709	59.78
14	1'-4 3/4 "	8'-4 $\frac{3}{4}$ "	3995	69.23
15	1'-6"	9'-0"	4280	79.38



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

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.

SAFE BEARING CAPACITY OF SOIL	
ROCK MINIMUM.....	10,000 - 20,000 LBS. PER SQ. FT.
GRAVEL AND COARSE SAND, WELL CEMENTED	16,000 - 20,000 LBS. PER SQ. FT.
CLAY IN THICK BEDS, ALWAYS DRY.....	12,000 - 16,000 LBS. PER SQ. FT.
CLAY IN THICK BEDS, MODERATELY DRY.....	8,000 - 12,000 LBS. PER SQ. FT.
CLAY, SOFT.....	2,000 - 4,000 LBS. PER SQ. FT.
SAND, DRY, COMPACT, AND WELL CEMENTED	8,000 - 12,000 LBS. PER SQ. FT.
SAND, CLEAN, DRY	4,000 - 8,000 LBS. PER SQ. FT.
ALLUVIAL SOILS, ETC	1,000 - 2,000 LBS. PER SQ. FT.

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



ROAD AND BRIDGE STANDARDS

CONCRETE GRAVITY RETAINING WALLS INFINITE SURCHARGE AND DECK SURCHARGE - LOADED

SPECIFICATION
REFERENCE

SHEET 1 OF 1

REVISION DATE

401.02

VIRGINIA DEPARTMENT OF TRANSPORTATION

506