



TYPICAL CROSS SECTION

NOTES:

DESIGN DATA:

Weight of earth = 120 lbs./cu.ft.
 Weight of rock-filled gabions = 110 lbs./cu.ft.
 Angle of repose = 34° (1 1/2:1 slope)
 Design earth pressure:
 Horizontal - 80 lbs./cu.ft. equivalent fluid pressure
 Vertical - 40 lbs./cu.ft. equivalent fluid pressure

CONSTRUCTION:

Fractional height courses (1 or 2 feet) will be permitted only in the top course next to the foundation.

Wire baskets may be omitted from any 3-foot square section which is surrounded on all four sides by standard baskets and on ends by baskets not less than 6 feet in length.

Place and compact backfill as the wall is constructed so that the fill is maintained within 6 feet of the top of the wall.

Install underdrain according to Section 605. Provide outlets at all low points and at intervals not to exceed 100 feet.

For design and layout, H' and B' may be considered equal to H and B, respectively.

NUMBER OF COURSES	"H" Ft.	"B" Ft.	GABIONS Cu.yd./Lin.ft.
1	3	3	0.333
2	6	6	1.000
3	9	9	2.000
4	12	9	3.000
5	15	12	4.333
6	18	12	5.667
7	21	15	7.333
8	24	15	9.000
9	27	18	11.000
10	30	18	13.000

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NO SCALE

U.S. DEPARTMENT OF TRANSPORTATION FEDERAL HIGHWAY ADMINISTRATION EASTERN FEDERAL LANDS HIGHWAY DIVISION	
U.S. CUSTOMARY DETAIL	
GABION RETAINING WALL	
DETAIL APPROVED FOR USE	DETAIL
APPROVED : MAY 2011 REVISED : MARCH 2015	E253-01