



TYPICAL CROSS SECTION

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

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 ft.square section which is surrounded on all four sides by standard baskets and on ends by baskets not less than 6 ft.in length.
 Place and compact backfill as the wall is constructed, so that the fill is maintained within 6 ft.of the top of the wall.
 Provide underdrain outlets at all low points, and intervals not to exceed 100 feet.

NUMBER OF COURSES	"H" Ft.	"B" Ft.	GABIONS Cuyd./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

NOT TO SCALE

U.S. DEPARTMENT OF TRANSPORTATION FEDERAL HIGHWAY ADMINISTRATION EASTERN FEDERAL LANDS HIGHWAY DIVISION	
DETAIL GABION RETAINING WALL	
REVISIONS: DETAIL APPROVED FOR USE ---	DETAIL E253-1