

**SECTION 2.14
COMPACTED GRANULAR FILL**

2.14.01--Description: Work under this item shall consist of furnishing and placing compacted granular fill as foundation for structures where shown on the plans or directed by the Engineer.

2.14.02--Materials: Gravel or reclaimed miscellaneous aggregate shall conform to the requirements of Article M.02.02. Admixtures and surface protective materials used to prevent the gravel from freezing must meet the approval of the Engineer.

2.14.03--Construction Methods: After all excavation has been completed, gravel or reclaimed miscellaneous aggregate shall be deposited in layers not exceeding 200 mm in depth over the areas. In exceptional cases, the Engineer may permit the first layer to be thicker than 200 mm. Each layer shall be leveled off by the use of blade graders or bulldozers with adequate power for the work involved. The entire area of each layer shall be compacted by use of vibratory, pneumatic-tired or tread-type compaction equipment approved by the Engineer. Compaction shall be continued until the dry density over the entire area of each layer is not less than 95 percent of the dry density achieved by AASHTO T180, Method D. If a layer is formed from reclaimed miscellaneous aggregate containing bituminous concrete, the wet density after compaction on this layer shall not be less than 95 percent of the wet density for that compacted granular fill when tested in accordance with AASHTO T180, Method D.

Each layer of compacted granular fill shall be compacted at optimum moisture content. No subsequent layer shall be placed until the specified compaction is obtained for the previous layer.

In this test, material retained on the 19 mm sieve shall be replaced with material retained on the 4.75 mm sieve, as noted as an option in the specifications for this testing.

The embankment adjacent to the compacted granular fill shall be placed simultaneously with the compacted granular fill, and at no time shall there be a difference of more than 600 mm in elevation of the two classes of material. The embankment material to be placed simultaneously with the compacted granular fill shall extend at least 6 m in every direction beyond the limits of the compacted granular fill, except that where a narrower width is shown on the plans, such narrower width of material shall be placed as prescribed above.

2.14.04--Method of Measurement: Compacted granular fill will be measured in place after compaction, by the average end area method.

2.14.05--Basis of Payment: This work will be paid for at the contract unit price per cubic meter for "Compacted Granular Fill," complete in place, which price shall include all materials, equipment, tools and labor incidental thereto.

The cost of water and work involved in puddling, admixtures and protective materials shall be included in the contract unit price per cubic meter for "Compacted Granular Fill."

Pay Item
Compacted Granular Fill

Pay Unit
m³