

ITEM 605.50 17 – DRAINAGE COLUMNS

DESCRIPTION

The work consists of drilling, boring, or auguring holes and backfilling at the locations and to the depths shown on the plans or established by the Engineer. Keep all holes open for backfilling.

MATERIALS

Backfill with crushed stone, crushed gravel, screened gravel or sand as indicated on the Contract Plans.

Type 1 -

Provide material meeting all the requirements of Underdrain Filter Type I, Item 605.0901 M, except the Soundness requirement is waived.

Type 2 -

Provide material meeting all the requirements of Underdrain Filter Type II, Item 605.1001 M, except the Soundness requirement is waived.

Type 3 -

Provide concrete sand conforming to the provisions of Subsection 703-07, Concrete Sand.

CONSTRUCTION DETAILS

Drill, bore, or auger through in situ soils, boulders, buried obstacles, debris, footings, concrete slabs and rock whether indicated on the Contract Plans or not. Provide equipment capable of penetrating to the required elevation. No jetting is permitted without the written permission of the Engineer.

Progress holes with the diameter shown on the Contract Plans.

Progress holes without noticeable subsidence of the surrounding ground surface. If noticeable subsidence occurs, in the Engineer's opinion, stop work and consult the Regional Geotechnical Engineer. Propose a scheme for progressing the work without subsidence for the Engineer's approval. Progress no further work until receiving written approval.

Clean out holes to the elevation required by the Contract Plans, or to the elevation established by the Engineer.

Immediately after cleaning each hole to the Engineer's satisfaction, backfill with material as indicated on the Contract Plans. Dispose of the excavated material in a manner satisfactory to the Engineer.

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METHOD OF MEASUREMENT

The quantity of drainage columns to be paid is the number of meters of hole progressed measured along the centerline of the hole from the ground surface to the bottom of the hole. No payment will be made for any length of hole progressed below the elevation shown on the Contract Plans unless ordered by the Engineer.

BASIS OF PAYMENT

Include in the unit price bid per meter the cost of furnishing all labor materials and equipment necessary to satisfactorily complete the work, including any means used to keep the hole open and backfill.