

ITEM 604.0625--25 - CONNECTIONS TO EXISTING DRAINAGE SYSTEM

1. DESCRIPTION:

- 1.01 Under this item the Contractor shall make connections to the existing drainage system for the purpose of extending culverts, outletting underdrains, introducing new pipes, or installing new drainage inlets.

2. MATERIALS:

- 2.01 Cement Grout shall meet the requirements of Section 701-05.
- 2.02 Others as shown on the plans.

3. CONSTRUCTION DETAILS:

- 3.01 Where such connection is for the purpose of outletting an underdrain into an existing drainage structure, or introducing new pipes, the Contractor shall break a hole into the structure of sufficient size to accommodate the underdrain or pipe which is to be connected to it. The joint so formed shall then be cement grouted in an acceptable manner.
- 3.02 Where such connection is for the purpose of constructing a new inlet structure, the existing pipe shall be neatly cut to conform to the inside surface of the new structure. Then the walls of the new structure shall be constructed in such a manner as to create a watertight seal around the pipe to the satisfaction of the Engineer. All materials shall conform with the requirements set forth in the plans and in these specifications.
- 3.03 The Contractor shall execute his work in a manner that will not cause damage to any part of the existing drainage system that is to remain. Any pipe, catch basin, headwall or other appurtenance that is so damaged or disturbed shall be replaced in kind and reset (pipes, frames and grates) or repaired (CB, DI & HW) at the Contractor's expense.

4. METHOD OF MEASUREMENT:

- 4.01 For each connection made under this item, the Contractor shall receive the unit price bid.

5. BASIS OF PAYMENT:

- 5.01 The unit bid per connection shall include the cost of furnishing all necessary labor, materials and equipment to fabricate the necessary component parts of the connection, and where required, to construct forms, drill holes, furnish and install dowels. The cost of all fabricating, steel dowels, concrete, cement and grout shall also be included in the unit price bid for this item.
- 5.02 Excavation, Filter Material, if required, and backfill materials will be paid for under their appropriate items.