

ITEM 604.3016--09 - RECTANGULAR DRAINAGE STRUCTURE TYPE P WITH CULVERT CONNECTION

DESCRIPTION

This work shall consist of the construction of a rectangular drainage structure with culvert connection as shown on the plans or in a manner approved by the Engineer. The drainage structure shall be cast-in-place only.

MATERIALS AND EQUIPMENT

Subsection 604-2.01 shall apply.

Saw Cutting Equipment – Use diamond blade saws capable of making a straight 250mm depth saw cut. Saws must be equipped with guides, blade guards and water cooling systems. Maintain an adequate supply of saws, new blades and other parts at the site to ensure un-interrupted operation.

Dowels – Dowel bar reinforcement shall meet the requirements of Section 709-01 of the Standard Specifications.

Epoxy Adhesive – Anchoring material shall meet the requirements of Section 701-07 of the Standard Specifications.

CONSTRUCTION DETAILS

Subsections 604-3.01, 3.02, 3.03, 3.05, 3.06, and 3.11 shall apply.

Concrete Sidewalk Removal / Existing Culvert Cut-off – Saw Cut: Diamond blade saw cut at the removal boundary to full depth or thickness, as indicated. Cut perpendicular to the surface. Additional saw cuts of the same depths as the boundary cuts may be made to facilitate sidewalk removal.

METHOD OF MEASUREMENT

Subsection 604-4.01 shall apply.

BASIS OF PAYMENT

Subsection 604-5.01 shall apply with the following modifications and additions:

1. The unit price bid per meter shall include the cost of all dowel bar reinforcement with epoxy adhesive, saw cutting, and any permanent forms required to remain in-place.
2. Select granular fill, manhole frames and covers will be paid for under their respective items.