

SECTION 263 SUMP PIT

263.01 Description. This work consists of constructing, maintaining, and ultimately removing sump pits for the purpose of trapping and filtering excess water from excavations prior to pumping the water to a suitable discharge area. Sump pits shall be constructed as shown on Standard Construction Detail, Sump Pit, at the locations shown on the Plans, and as directed by the Engineer.

MATERIALS.

263.02 Pipe. Pipes shall be perforated corrugated aluminum with a perforated cap on the bottom conforming to the requirements of [Section 615](#).

263.03 Stone. Stone shall be Delaware No. 57 conforming to the requirements of [Section 813](#).

263.04 Geotextile. Geotextile shall conform to the requirements of [Section 827](#).

CONSTRUCTION METHODS.

263.05 Excavation for Sump Pit. The Contractor shall excavate the sump pit according to the dimensions on Standard Construction Detail, Sump Pit, and at the location shown on the Plans.

263.06 Construction of Sump Pit. The Contractor shall place the layer of stone in the bottom of the sump pit as shown on Standard Construction Detail, Sump Pit. The stationary pipe with bottom cap shall be placed on top of the bottom layer of stone. The removable pipe shall be placed inside of the stationary pipe as shown on Standard Construction Detail, Sump Pit. Both pipes shall extend to the same height and be a minimum of 24" (600 mm) above the lip of the sump pit. The Contractor shall backfill the sump pit with stone. The stone shall be sloped up to meet the height of the pipes.

263.07 Maintenance of Sump Pit. When clogged with sediment, the Contractor shall replace the geotextile and, if applicable, the wire mesh on the removable pipe and bottom cap.

263.08 Removal of Sump Pit. When permitted by the Engineer, the Contractor shall remove the sump pit and all materials incidental to the construction of the sump pit. All areas affected by the sump pit shall be restored to the original or plan contours.

263.09 Method of Measurement. The quantity of sump pits will be measured as the actual number of each constructed and accepted.

263.10 Basis of Payment. The quantity of sump pits will be paid for at the Contract unit price per each. Price and payment will constitute full compensation for furnishing and placing all materials, including perforated metal pipes with bottom caps, stone, geotextile, and wire mesh; for excavating the sump pit; for maintaining the sump pit, including replacing all clogged geotextile and wire mesh; for removing the sump pit and all incidental materials; for restoring the sump pit area; and for all labor, equipment, tools, and incidentals required to complete the work.

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