

CATEGORY 300 DRAINAGE

SECTION 301 — CLASS 3 EXCAVATION FOR INCIDENTAL CONSTRUCTION

301.01 DESCRIPTION. This work shall consist of excavation below the planned elevation as specified in the Contract Documents or as directed by the Engineer.

301.02 MATERIALS. Not applicable.

301.03 CONSTRUCTION. The area to be excavated shall be the size, depth and location as authorized by the Engineer. Backfill shall conform to Section 302. Refer to 402.03.01 for excavated material.

301.04 MEASUREMENT AND PAYMENT. Class 3 Excavation for Incidental Construction will be measured and paid for at the Contract unit price per cubic yard. The payment will be full compensation for all material, labor, equipment, tools, and incidentals necessary to complete the work.

Backfill. Backfill will be measured and paid for as specified in 302.04.

SECTION 302 — SELECTED BACKFILL

302.01 DESCRIPTION. This work shall consist of placing selected backfill material as specified in the Contract Documents or as directed by the Engineer.

302.02 MATERIALS.

No. 57 Aggregate	901.01
Crusher Run Aggregate CR-6	901.01

302.03 CONSTRUCTION. Unsuitable foundation material shall be replaced as directed by the Engineer. Refer to Section 210 for compaction.

302.04 MEASUREMENT AND PAYMENT. Selected Backfill using No. 57 Aggregate or Selected Backfill using Crusher Run Aggregate CR-6 will be measured and paid for at the Contract unit price per cubic yard. The payment will be full compensation for compaction

and for all material, labor, equipment, tools, and incidentals necessary to complete the work.

SECTION 303 — PIPE CULVERTS

303.01 DESCRIPTION. This work shall consist of placing the size and type of pipe on a firm bed to the specified line and grade and cleaning the existing pipes as specified in the Contract Documents or as directed by the Engineer.

303.02 MATERIALS.

Selected Backfill	302.02
Concrete Mix No. 2	902.10
Pipe	905

303.03 CONSTRUCTION. Pipe lengths and gradients shall be verified by the Contractor and shall be acceptable to the Engineer before installation.

End walls, when visible from the roadway, shall be constructed parallel to the roadway and askew pipe shall protrude through the end wall. End walls, not visible from the roadway, shall be constructed normal to the center line of the pipe.

The existing pipes shall be cleaned and the material disposed of as directed by the Engineer.

303.03.01 Excavation. When a pipe is to be laid on existing ground, on or under fill, embankment shall be constructed to a height of at least 9 in., but not more than 3 ft above the proposed top of the pipe. The trench shall then be excavated to receive the pipe. The width of trench shall be sufficient to permit thorough tamping of the backfill under the haunches and around the pipe. This width shall be twice the outside diameter of the pipe or the outside diameter plus 18 in. on each side, whichever is less. Refer to 402.03.01 for excavated material.

303.03.02 Bedding. When rock is encountered, it shall be removed and replaced with a minimum 8 in. of selected backfill as directed by the Engineer.

When unsuitable foundation material is encountered, it shall be removed and replaced with selected backfill for the full width of the trench as directed by the Engineer.