

SECTION 02245
SELECTED BACKFILL

02245.01 GENERAL

A. Description

Selected backfill shall include, but not necessarily be limited to, furnishing and placing satisfactory foundation bedding and backfill materials for box culverts, pipes, pipe endwalls, retaining walls, inlets, manholes, steps, concrete gutters, and other structures in accordance with the Contract Documents.

B. Related Work Included Elsewhere

1. Protection of the environment; Section 01500.
2. Structure excavation; Section 02220.
3. Trench excavation, backfill, and compaction; Section 02250.

C. Quality Assurance

All selected backfill material will be subject to test by the Engineer to determine the material's compliance with these Specifications.

D. Submittals

Certificates of compliance shall be submitted in accordance with the "General Provisions" for all selected backfill material furnished. The certificate shall state that the material meets the requirements specified herein.

02245.02 MATERIALS

A. Materials Furnished by the County

The County will not furnish any selected backfill material.

B. Contractor's Options

The Contractor may furnish either stone or slag meeting the material and gradation requirements specified herein, unless otherwise noted and subject to the restrictions indicated in Paragraph 02245.02C.

C. Restrictions

Only Type II Borrow as specified in Section 02240.02 or ASTM D 2940 designation GA S/B and Maryland designation BRG S/B materials as specified in Section 02621.02 shall be placed within 1.5 feet of the exterior wall of polyethylene or poly-vinyl chloride pipes.

D. Detailed Material Requirements

Material for selected backfill shall meet the requirements of Maryland designation BRG S/B, ASTM D 2940 designation GA S/B, or AASHTO M 43, size number 57 as specified in Section 02621.02, except as limited in Paragraph 02245.02 B2 for PVC pipe.

02245.03 EXECUTION

When portions of foundations are lower than the planned bottom of the structure, the bottom shall, if called for by the Contract Documents or directed by the Engineer, be raised by the placement of selected backfill material. It may be placed with mechanical equipment or manually, depending upon the volume of material involved.

If areas of the foundation are soft, composed of mud, or are in the Engineer's judgment unfit to receive the pipe, conduit, structure, concrete, or masonry, then such unacceptable material shall be removed and replaced with selected backfill material.

The Engineer will be the sole judge as to the use of selected backfill for foundation stabilization.

02245.04 METHOD OF MEASUREMENT

Measurement for furnishing and installing selected backfill will be made on the basis of the volume of material accepted and satisfactorily placed to the lines, grades, and dimensions shown on the Standard Details, noted in the Contract Documents, or as directed by the Engineer.

When agreed upon in writing before the work is begun, the quantity of selected backfill material accepted and satisfactorily placed may be measured by converting its certified scale weight to volume on the basis of an agreed upon density or unit weight for the particular material used.

Measurement for unacceptable material removed and replaced with selected backfill will be measured as a separate pertinent excavation item.

02245.05 BASIS OF PAYMENT**A. General**

1. Payment will be made at the unit price bid. The price bid shall include furnishing all labor, tools, equipment, and materials necessary to complete the work as shown and specified in strict accordance with the Contract Documents, and accepted by the Engineer.
2. Payment will be made for contingent items when ordered by the Engineer. Payment will be as specified in Sections 02951, 02952, 02953, 02954, 02955, 02956, and 02957.

B. Selected Backfill

1. Payment for furnishing and installing selected backfill will be made per cubic yard. No payment will be made for any selected backfill that is used because of any error in the Contractor's operations, such as excavating beyond specified lines or grades, etc.
2. Payment for removal of unacceptable foundation material will be made under the pertinent excavation item.