

SECTION 02246
POROUS BACKFILL

02246.01 GENERAL

A. Description

Porous backfill shall include, but not necessarily be limited to, furnishing and placing granular material against the rear faces of abutments, wings, retaining walls, etc.; including concrete base, drains, etc., all as indicated on the Plans and in accordance with the Contract Documents.

B. Related Work Included Elsewhere

1. Protection of the environment; Section 01500.
2. Under drain installation; Section 02510.
3. Storm drainage structure installation; Section 02530.
4. Cast-in-place structure construction; Section 03300.

C. Quality Assurance

All porous backfill materials will be subject to test by the Engineer to determine the materials compliance with these Specifications.

D. Submittals

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

02246.02 MATERIALS

A. Materials Furnished by the County

The County will not furnish any porous backfill material.

B. Contractor's Options

The Contractor may furnish any pipe material specified in this Section, unless otherwise noted.

C. Detailed Material Requirements

1. Porous backfill shall meet the requirements of AASHTO M 43, size number 57 as specified in Section 02621.02.

2. Porous concrete drainpipe shall be as specified in Section 02510.02.
3. Concrete drain tile shall be as specified in Section 02510.02.
4. Vitrified clay pipe and clay drain tile for underdrains shall be as specified in Section 02510.02.
5. Corrugated steel pipe for underdrains shall be as specified in Section 02510.02.
6. Portland cement concrete for drain bases shall be Mix No. 1 as specified in Section 03310.

02246.03 EXECUTION

The porous backfill material shall be carefully placed to the dimensions indicated on the Plans. The material shall be placed in layers in conjunction with the adjacent fill as it is made and compacted. Any fill material removed for placing the porous backfill material shall be at the sole expense of the Contractor. If a form is used between the porous backfill material and the earth backfill, none of it shall remain in the completed fill. The porous backfill may be placed in approved porous bags.

All drains required shall be carefully placed and sloped to drain to weep holes or other points of discharge. If clay drains are used, they shall be carefully placed so as to maintain open joints between units.

Concrete base shall be sloped to drain to points of discharge.

02246.04 METHOD OF MEASUREMENT

Measurement for porous backfill will not be made, as it shall be included in a lump sum item for all porous backfill on the Project or lump sum items for all porous backfill for each structure or included in other items.

02246.05 BASIS OF PAYMENT

Payment for porous backfill will be made on the basis of the lump sum price bid for porous backfill. If no item for porous backfill appears in the Proposal, the cost of this work shall be included in the price bid for other items.