

DIVERSION (Code 362)

1. SCOPE

The work consists of all excavations, filling, shaping, grading, and topsoiling required to construct the diversion as shown on the drawings or as staked in the field.

2. MATERIAL

The earth material used in constructing the earth fill portions of the diversion shall be suitable material obtained from required excavations or earth material obtained from designated borrow areas. Material for earth fills shall be free from frozen material, brush, roots, sod, stones over 6 inches in diameter, or other objectionable material.

3. FOUNDATION PREPARATION

Foundations for earthfill shall be stripped to remove vegetation and other unsuitable materials or shall be excavated as specified.

Except as otherwise specified, earth foundation surfaces shall be graded to remove surface irregularities and shall be scarified parallel to the axis of the earthfill or otherwise acceptably scored and loosened to a minimum depth of 2 inches. The moisture content of the loosened material shall be controlled as specified for the earthfill, and the surface material of the foundation shall be compacted and bonded with the first layer of earthfill as specified for subsequent layers of earthfill.

Earth abutment surfaces shall be free of loose, uncompacted earth in excess of 2 inches in depth normal to the slope and shall be at such a moisture content that the earthfill can be compacted against them to produce a good bond between the earthfill and the abutments.

4. PLACEMENT

Earth fill and topsoil will not be placed until the required foundation preparation is complete, inspected, and approved by the Engineer. Earth fill and topsoil shall not be placed upon a frozen surface. Earth fill and topsoil will be placed in approximately uniform horizontal layers of not more than 9 inches in thickness. The moisture content of the material shall be sufficient to obtain firm compaction. Compaction shall be obtained by routing the hauling and spreading equipment over the earth fill and topsoil in such a manner that the entire surface of each layer will be traversed by not less than one track tread of the loaded equipment, or equivalent methods approved by the Engineer.

5. EXCAVATION

Excavation shall be to the lines and grades shown on the drawings or as staked in the field. All surplus and unsuitable material is designated as waste and shall be disposed of at locations shown on the drawings or at a location approved by the engineer.

6. CONSTRUCTION DETAILS