

**NATURAL RESOURCES CONSERVATION SERVICE
CONSTRUCTION SPECIFICATION**

IA-27 DIVERSION

1. SCOPE

The work shall consist of constructing diversions at locations shown on the drawings or as staked in the field.

2. MATERIAL

The earth material used in constructing earthfill portions of the diversion shall be obtained from the diversion channel, designated borrow areas, or other approved sources.

3. FOUNDATION PREPARATION

The base area of the ridge sections shall be stripped of unsuitable material and scarified prior to placing fill.

4. PLACEMENT

Fill material shall contain no frozen particles, rocks greater than 6 inches in diameter, sod, brush, or other unsuitable material.

The earthfill materials used to construct the diversion shall be compacted by routing the hauling and spreading equipment over the fill in such a manner that the entire surface of the fill will be traversed by not less than one tread track of the loaded equipment. The completed diversion shall conform to the cross-section shown on the drawings.

When an excess of earth material results from cutting the diversion to the cross-section and grade, it shall be deposited adjacent to the diversion at locations approved by NRCS.

The final alignment of diversions shall be determined in the field by NRCS before construction. Diversions shall be constructed in a manner so as to have complete and positive drainage of the channel. Diversions shall have a non-erosive natural outlet or shall be shaped to have a satisfactory transition to the inlets as shown on the drawings.

The moisture content of the fill material shall be such that a ball, formed with the hands, does not crack or separate when struck sharply with a pencil and will easily ribbon out between the thumb and finger.

5. SPECIAL SPECIFICATIONS