

**NATURAL RESOURCES CONSERVATION SERVICE
CONSTRUCTION SPECIFICATIONS**

IRRIGATION FIELD DITCH

1. Scope

The work will consist of excavation, filling, and grading operations for the installation of the irrigation field ditch and any needed structural measures as shown on the irrigation development plan or the construction plans.

2. Location

Field ditches will be installed as shown on the irrigation development plan or the construction plans.

3. Foundation Preparation

The foundation area for all ditch embankments and ditch pads shall be cleared of all trees, weeds, sods, loose rock, or other material not suitable for the subgrade.

4. Excavation

Excavation shall be to the neat lines and grades shown on the plans or staked in the field. Excavated materials shall be used in designated fill locations or spoil areas.

Overexcavation in the channel area or overfill on the ditch banks shall be permissible if it does not interfere with the function of the ditch or the related structures, if the finished section generally is smooth, and if the tolerances specified in the Construction Details section are met.

5. Placement of Earthfill

Earthfill embankments shall be constructed to the neat lines and grades shown on the plans and established at the field location. Embankment materials shall be free of brush, roots, sod, large rocks, or other material not suitable for making compacted fills. The moisture content and methods of placing and compacting fill material shall be such that a firm, stable embankment results. The fill material shall be placed in horizontal lifts of such thickness that proper compaction and prescribed densities are obtained.

6. Measurement

The quantity of excavated material or embankment fill will be determined from the measured ground surfaces. Computations will be to the nearest cubic yard.

7. Construction Details