

**NATURAL RESOURCES CONSERVATION SERVICE
CONSTRUCTION SPECIFICATIONS**

IRRIGATION SYSTEM, SURFACE AND SUBSURFACE

1. Scope

The work will consist of an irrigation system that has been planned and will meet the requirements for the crops, soils, forward grades, and side slopes as shown on the irrigation development plan.

2. Location

The irrigation system will be located as shown on the irrigation development plan or conservation plan map, as appropriate.

3. Conservation Irrigation Methods

Irrigation application methods shall be appropriate to achieve efficient use of water without destructive soil erosion.

4. System Capacity

Capacity of the system will meet the moisture requirements of the crops as shown on the irrigation development plan as determined by the type of irrigation scheduling planned.

5. Water Surface Elevations

A minimum of 4 inches of head shall be provided at field takeout points to ensure required flow onto the field surface.

6. Delivery Ditch or Pipeline

The location and spacing of delivery ditches or pipelines shall be as shown on the irrigation development plan in relation to the different soils being irrigated and the crops being grown.

7. Erosion and Water Control

All structures necessary for erosion and water control in the conveyance and distribution of irrigation water shall be designed to meet the criteria in the applicable conservation practice standard for those practices.

8. Excess Water Disposal and Tailwater Recovery

Structural measures needed to help remove excess irrigation or stormwater shall meet the design criteria listed under the "Erosion and Water Control" Section above. Tailwater recovery systems will meet the criteria listed in [Conservation Practice Standard 447, Irrigation System, Tailwater Recovery](#).