

INSTRUCTIONS FOR USE OF CONSTRUCTION SPECIFICATION

IRRIGATION DITCH LINING, CODE 428

1. Applicability

This specification is applicable for ditches and canals that are subject to erosion or excessive seepage and are integral parts of an irrigation water distribution or conveyance system. It also applies where water supplies and irrigation deliveries for the area served are sufficient to make irrigation practical for the crops to be grown and the irrigation water application methods to be used.

2. Items to be included in the "ITEMS OF WORK AND CONSTRUCTION DETAILS" or on the Construction Drawings.

- a. Plan view of canals and laterals.
- b. Profile of canals and laterals.
- c. Typical cross section of canals or laterals.
- d. Type of subgrade (gravel, soil, etc.)
- e. Subgrade compaction requirements,
- f. Required liner properties, type of liner material being used and required thickness of liner.
- g. Cross section and details of all structures.
- h. Details of panel placement, orientation, and anchorage.
- i. Requirements for cover soil to protect liner.
- j. Disposal of excavated material.
- k. Requirements for concrete placement including the slump of the concrete, as mentioned in section.
- l. For concrete, include class, type, etc.
- m. Any special instructions related to the materials, installation, and onsite quality control testing.
- n. Method of installation, including seaming requirements, and requirements for attachment of appurtenances.
- o. Trenching details.
- p. Warranty requirements, if applicable.
- q. Quality control testing requirements.
- r. Quantity of materials.
- s. Vegetative requirements.
- t. Location of utilities and notification requirements.