

NATURAL RESOURCES CONSERVATION SERVICE
CONSERVATION PRACTICE SPECIFICATION
IRRIGATION CANAL OR LATERAL
CODE 320

SPECIFICATIONS

FOUNDATION PREPARATION

The foundation area for all canal and lateral embankments shall be cleared and grubbed of all trees, logs, stumps, roots, brush, boulders, loose rock, sod, weeds, rubbish, and other material not suitable for the subgrade.

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, sod, roots, frozen soil, stones more than 6 inches in diameter, and other material not suitable for making compacted fills.

The moisture content and methods of placing and compacting the material shall be of such that a firm, stable embankment results. Below the design water surface elevation, fill material shall be placed in horizontal lifts of such thickness that proper

compaction and any prescribed densities are obtained.

EXCAVATION

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

Overexcavation in the channel area or overfill on the canal or lateral banks shall be permitted if it does not interfere with the function of the canal or related structures and if the finished section is generally smooth.

CONSTRUCTION OPERATIONS

Construction operations shall be done in such a manner that erosion and air and water pollution are minimized and held within legal limits. The completed job shall be workmanlike and present a good appearance.