

IRRIGATION CANAL OR LATERAL (Code 320)

Engineering Handbook (NEH), Part 642, Construction Specification 23 – Earthfill for guidance on construction methods for embankment type work.

GENERAL

Installation shall be in accordance with an approved design and plan. Details of construction shown on the drawings but not included herein are considered as a part of this specification. Construction activities shall be in accordance with applicable OSHA regulations.

STRUCTURES

Structures shall be installed in conjunction with the ditch when shown or listed on the drawings. Construction shall be in accordance with applicable Montana Construction Specifications as noted below in ADDITIONAL SPECIFICATIONS of this Specification.

FOUNDATION PREPARATION

The foundation area for all canal or lateral ditch pads and embankments shall be cleared and stripped of all brush, roots, sod, large rock or other material not suited for making a compacted earthfill.

ADDITIONAL SPECIFICATIONS

List:

EXCAVATION

Canal or laterals shall be excavated to the lines and specified grades as shown on the drawings or as staked in the field. The finished cross-section shall have a smooth surface.

Excess materials shall be disposed of in designated spoil disposal areas. Overfill on canal or lateral banks are permissible if it does not interfere with the function of the ditch or related structures.

EMBANKMENTS

Embankment materials shall be free of brush, roots, sod, rock or other material not suited for making earthfill. Moisture content and method of placing in nearly horizontal lifts and method of compaction with equipment shall result in a firm compacted fill. Embankments adjacent to personal property have other safety concerns to consider, refer to Montana Construction Specification, Earthfill, MT-105 or National