

# CONSTRUCTION SPECIFICATION

## MI-152. EXCAVATION

### 1. SCOPE

The work shall consist of the excavation required by the drawings and specifications and disposal of the excavated materials.

### 2. USE OF EXCAVATED MATERIALS

To the extent they are needed, all suitable materials from the specified excavations shall be used in the construction of required permanent earthfill. The suitability of materials for specific purposes shall be determined by the NRCS inspector. The contractor shall not waste or otherwise dispose of suitable excavated materials.

### 3. DISPOSAL OF WASTE MATERIALS

All surplus or unsuitable excavated materials will be designated as waste and shall be disposed of at the locations shown on the drawings or designated by NRCS inspector or landowner.

### 4. STRUCTURE AND TRENCH EXCAVATION

Structure or trench excavation shall be completed to the specified elevations and to sufficient length and width to include allowance for forms, bracing, and supports, as necessary, before any concrete or earthfill is placed within the limits of the excavation.

Excavations shall comply with OSHA Construction Industry Standards (29CFR Part 1926) Subpart P, Excavations, Trenching, and Shoring. All excavation work shall provide stable slopes to safeguard the work and the workers during construction operations. This can be accomplished by: (1) sloping all trench banks more than 3.5 feet high, 1:1 or flatter, or (2) installing shoring or bracing adequate to prevent banks from sloughing into the excavation. The contractor shall furnish, place and subsequently remove such supporting installations.

### 5. BORROW EXCAVATION

When the quantities of suitable materials obtained from specified excavations are insufficient to construct the specified fills, additional materials shall be obtained from the designated borrow areas. The extent and depth of borrow pits within the limits of the designated borrow areas shall be as directed by the NRCS inspector.

Borrow pits shall be excavated and finally dressed in a manner to eliminate steep or unstable side slopes or other hazardous or unsightly conditions. If required, during and/or immediately following construction, the borrow pit shall be prepared, fertilized, seeded and mulched in accordance with the Construction Specification 166, Seeding.

### 6. OVER-EXCAVATION

Excavation beyond the specified lines and grades shall be corrected by filling the resulting voids with approved compacted earthfill, except that if the earth is to become the subgrade for riprap, rockfill, sand or gravel bedding, or drainfill, the voids may be filled with material conforming to the specifications for the riprap, rockfill, bedding or drainfill.