

# Construction Specification 721 – 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 or rockfill. The suitability of materials for specific purposes will be determined by the NRCS representative.

## 3. Disposal of Waste Materials

All surplus or unsuitable excavated materials designated as waste shall be disposed of at the locations shown on the drawings or designated by NRCS representative or landowner. The disposal shall be in an environmentally acceptable manner that does not violate federal, state, and local rules and regulations.

## 4. Excavation Limits

Excavation shall comply with OSHA Construction Industry Standards (29CFR Part 1926) Subpart P, Excavations, Trenching and Shoring. All excavations shall be completed and maintained in a safe and stable condition throughout the total construction phase.

Structure or trench excavation shall be completed to the specified elevations and to the length and width to safely install, adjust, and remove forms, bracing, or supports necessary for the installation of the work.

## 5. Borrow Excavation

When the quantities of suitable materials obtained from specified excavations are insufficient to construct the specified earthfills or earth backfills, additional materials shall be obtained from the designated borrow areas. The extent and depth of excavation within the designated borrow areas shall be as directed by the NRCS representative.

Borrow pits shall be excavated and finely dressed to blend with the existing topography and sloped to prevent ponding and to provide drainage, as well as eliminate steep or unstable slopes or other hazardous or unsightly conditions.

## 6. Over-Excavation

Excavation in rock beyond the specified lines and grades shall be corrected by filling the resulting voids with concrete approved by the NRCS representative. Concrete shall be placed in accordance with Construction Specification 732, Concrete.

Excavation in earth 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 specification for the riprap, rockfill, bedding or drainfill.