

CONSTRUCTION SPECIFICATION

VA-721. EXCAVATION

1. SCOPE

The work will consist of the excavation required to achieve the lines and grades indicated on the construction drawings. All applicable Virginia Occupational Safety and Health Act (OSHA) regulations regarding excavation safety will be followed.

2. USE OF EXCAVATED MATERIALS

To the extent they are needed, all suitable materials from the specified excavations will be used in the construction of required permanent earth fill or rock fill. The suitability of materials for specific purposes will be determined by the NRCS or SWCD representative. The contractor will 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 will be disposed of at the locations shown on the construction drawings or designated by the NRCS or SWCD representative or landowner.

4. BRACING AND SHORING

Excavated surfaces too steep to be safe and stable if unsupported will be supported as necessary to safeguard the work and workmen, to prevent sliding or settling of the adjacent ground, and to avoid damaging existing improvements. The width of the excavation will be increased if necessary to provide space for sheeting, bracing, shoring and other supporting installations. The contractor will furnish, place and subsequently remove such supporting installations.

5. STRUCTURE AND TRENCH EXCAVATION

Structure or trench excavation will 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 earth fill is placed or any piles are driven within the limits of the excavation.

6. BORROW EXCAVATION

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

Borrow pits will be excavated and finally dressed in a manner to eliminate steep or unstable side slopes or other hazardous or unsightly conditions.

7. OVER EXCAVATION

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