

# VERMONT CONSTRUCTION SPECIFICATION

## 22. WATERWAYS

### 1. SCOPE

The work shall consist of excavating, filling, shaping, and grading as necessary for construction of the waterways as shown on the drawings.

### 2. MATERIALS

The earth materials used in constructing the waterways shall be obtained from the waterway channel or other approved sources. The fill material shall be free from frozen particles, brush, roots, sod, stones over 6 inches in diameter or other objectionable material.

### 3. FOUNDATION PREPARATION

The foundation area of required fill sections shall be cleared, grubbed and stripped of unsuitable material. Smooth surfaces shall be scarified to insure bonding.

### 4. PLACEMENT

Existing slopes shall be sloped to a 1:1 slope or flatter and roughened to insure bonding with the fill being placed. Fill will be placed in approximately uniform horizontal layers of not more than 9 inches in thickness.

When specified, top soil removed from waterway section shall be stockpiled for spreading over waterway surface after grading.

The fill sections shall be compacted by routing of the hauling and spreading equipment over the fill in such a manner that the entire surface of each layer of fill will be traversed by not less than one tread or wheel track of the equipment.

### 5. EXCAVATION

Excavation shall be to the lines and grades shown on the drawings and staked in the field. To the extent that they are needed, all suitable excavated material shall be used in the construction of the earth fills. Surplus and unsuitable materials will be disposed of at locations shown on the drawings or approved by the technician.