

Construction Specification

608. SURFACE DRAINAGE, MAIN or LATERAL

1. SCOPE

This work shall consist of construction of mains and laterals which are part of a surface drainage system, at the location, and to the dimensions and grades shown on the drawings, and as staked in the field.

2. SITE PREPARATION

The areas to be excavated or occupied by spoil shall be cleared of trees, brush, and other debris so as not to interfere with construction or proper functioning of the drainage system.

3. SHAPING

The mains and/or laterals shall be constructed to the specified grades and dimensions. All fills shall be compacted as needed to prevent unequal settlement. All soil removed and not needed in the construction of the mains or laterals, or other field ditches, shall be spread or disposed of so as not to interfere with the drainage system. Unless otherwise shown on the plans, spoil should be placed in depressions or on eroded areas, and be spread so that the resulting fill is free draining. Where soil conditions are unfavorable for the growth of vegetation, topsoil shall be stockpiled and respread to establish a condition favorable to growth and maintenance of vegetation. All spoil areas shall be stabilized to prevent erosion.

4. OUTLET and STRUCTURES

Mains and laterals shall outlet into stabilized areas where the water can be released on a nonerosive grade. The outlet area shall be free and clear of restrictions which could cause ponding or impede flows within the drainage system.

Grade control and other related structures shall be constructed at the locations and as set forth in the plans.

5. VEGETATION

Mains and laterals shall be protected against erosion by vegetative means as soon after construction as practical. Vegetation, if required, shall be established at the locations shown on the drawings and/or staked in the field.

6. EROSION AND POLLUTION CONTROL

Construction operations shall be performed in such a manner that erosion, air, and water pollution shall be minimized. Federal, state, and local laws concerning pollution abatement must be followed.

7. ADDITIONAL CONDITIONS WHICH APPLY TO THIS PROJECT ARE: