

## SECTION 342

### SOIL STERILIZATION

#### 342.1 GENERAL

342.1.1 The work covered by this section of the specifications consists of furnishing all materials, labor, and equipment and in performing all operations in connection with the application of soil sterilant type herbicide, complete, in strict accordance with this section of the specifications and applicable drawings and subject to the terms and conditions of the Contract.

#### 342.2 REFERENCES

#### 342.3 MATERIALS

Herbicide soil sterilants shall be an aqueous solution of:

342.3.1 Dupont 85% CMU weed killer

342.3.2 Telvar

342.3.3 Sodium TCA-90

342.3.4 Monobor-chlorate

342.3.5 Hyvar XL

342.3.6 Or approved equal

#### 342.4 EQUIPMENT

All equipment, tools, and machines used in the performance of the work required by this section of the specifications shall be subject to the approval of the ENGINEER and shall be maintained in satisfactory working condition at all times.

#### 342.5 CONSTRUCTION METHODS

Soil Sterilization--It is anticipated that certain areas, as determined by the ENGINEER, will need soil sterilization to insure pavement protection from weed growth. After the curb and gutter has been placed and grading is complete to subgrade, the subgrade shall be thoroughly scarified to a depth of 6 inches and watered to near optimum moisture content. Then an aqueous solution of an approved herbicide soil sterilant shall be applied to the subgrade at the rate recommended by the manufacturer. Compaction of the subgrade shall then be handled in the usual manner with the provision that the prime coat be applied before the subgrade has a chance to dry out. This provision is necessary due to the fact that the weed killers require a certain amount of moisture to be effective.

#### 342.6 MEASUREMENT AND PAYMENT

Soil sterilization will be measured by the square yard. Measurements will be taken parallel to the ground. The accepted quantities of soil sterilization will be paid for at the contract unit price per square yard complete in place.