

Section 02230

Clearing, Grubbing and Restoration

PART 1 - GENERAL

1.01 SCOPE

- A. The Contractor shall do all clearing, grubbing, topsoil stripping, and restoration necessary for the construction of this project.

PART 2 - PRODUCTS

2.01 MATERIALS

- A. Materials shall be at Contractor's option, except that stripped topsoil shall be stockpiled and replaced in approximately its original location and to its original depth.

PART 3 - EXECUTION

3.01 CLEARING AND GRUBBING

- A. Before any excavation shall begin, the Contractor shall remove all underbrush, trees, stumps, or other obstructions within the work area, but shall not work on any private property without permission. The Contractor and Engineer shall agree upon the extent of clearing within the work area prior to the start of work. The Contractor shall not deviate from the agreed upon limits without the permission of the Engineer.
- B. All limbs, stumps, etc., shall be disposed of off site by the Contractor and at his expense unless otherwise specified.
- C. After the trees have been cut and stumps removed from wooded areas and in all field areas, existing topsoil and humus material shall be excavated and stockpiled by the Contractor.
- D. If the Contractor fails to salvage and reuse existing topsoil and humus material, he shall furnish sufficient loam from off the project site to restore the disturbed areas to match the existing topsoil depth, at no additional expense to the Owner.
- E. No excavations for pipe laying shall begin until the existing topsoil and humus material has been stockpiled.

3.02 CARE AND RESTORATION OF EXISTING PROPERTY

- A. Excavating machinery shall be of suitable type and be operated with care to prevent injury to trees not to be cut, and particularly to overhanging branches or limbs.
- B. Branches, limbs and roots shall not be cut except by permission of the Engineer. All cutting shall be smooth and neatly done without splitting or crushing. In case of cutting or unavoidable injury to branches, limbs, or trunks of trees, the cut or injured portion shall be neatly trimmed and covered with an application of grafting wax or tree-healing paint as directed.

- C. Cultivated hedges, shrubs, and plants which might be injured by the Contractor's operations shall be protected by suitable means or shall be dug up and temporarily replanted and maintained. After the construction operations have been substantially completed, they shall be replanted in their original position and cared for until growth is re-established. If cultivated hedges, shrubs and plants are injured to such a degree as to affect their growth or diminish their beauty or usefulness, they shall be replaced by items of kind and quality at least equal to the kind and quality existing at the start of the work.
- D. All surfaces which have been damaged by the Contractor's operations shall be restored to a condition at least equal to that in which they were found immediately before work was started.
- E. The Contractor shall be fully responsible for all damages to public and private property and will be expected to carefully protect from injury all walls, fences, buildings, and underground facilities. If removal and replacement is required, it shall be done so that the replacement is equivalent to that which existed prior to construction and shall be paid for by the Contractor.

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