

201 CLEARING AND GRUBBING

201.01 DESCRIPTION

Clearing shall consist of the removal from above the surface of the existing ground of all trees, shrubs, brush, down timber, rotten wood, heavy growth of grass, rubbish and other objectionable debris or deleterious material as directed by the Chief Engineer, as well as the removal of fences, signs and incidental structures.

Grubbing shall consist of the removal from below the surface of the existing ground of all stumps, roots, root mats, stubs, buried logs and other objectionable debris or deleterious material as directed by the Chief Engineer. Prior to beginning grubbing operations, the Contractor shall install approved erosion and sediment control devices.

Materials obtained from clearing and grubbing shall be disposed of as provided herein, except that such materials as the Engineer may designate shall be salvaged. If necessary, salvaged materials shall be stockpiled within the project limits but away from any proposed construction. Any additional charges or payment for hauling or delivering salvaged materials shall be negotiated.

201.02 LIMITS

This work shall be performed within the limits of earthwork operations as described herein. Within areas where Common Excavation is to be performed, the ground shall be totally cleared as described above, and grubbing shall be done to a depth of not less than 1 foot below the sub-grade or finished slope surfaces. This is not intended to include removal of unsuitable roadbed material.

Within areas where embankment is to be constructed, the ground shall be totally cleared for a width of 2 feet outside of the toe of the embankment. When the embankment is 8 feet or more in height, stumps shall be removed as close to the ground as possible, but no stump shall be left higher than 12 inches above the existing ground surface.

Within areas where the embankment is less than 8 feet in height, the ground shall be totally grubbed to a depth of not less than 1 foot below the original ground surface.

Within areas where structural excavation is to be performed, total clearing and grubbing shall be performed prior to start of structural excavation.

Areas beneath the structure and for a transverse distance beyond the outermost side limits of the structure, not to exceed 20 feet, shall be cleared and grubbed as directed by the Chief Engineer.

The Contractor shall perform the work of clearing and grubbing so as to remove only the material herein specified.

201.03 CONSTRUCTION REQUIREMENTS

Before clearing and grubbing operations are started, the Chief Engineer will designate and clearly mark any trees, shrubs and plants to remain. All such trees, shrubs and plants shall be carefully trimmed and protected from scarring, barking or other injury during construction

operations. All cuts and scars on trees shall be painted and treated with an asphalt base paint especially prepared for tree surgery, as directed by the Chief Engineer. All timber, logs, trees, stumps, brush, materials from demolished structures and other rubbish shall be disposed of satisfactorily by the Contractor so as to leave the disturbed areas with a neat and finished appearance, free from debris. Burning will not be permitted. All materials removed during the clearing and grubbing operations shall become the property of the Contractor, except for designated salvaged material.

All depressions made in fill areas by the removal of stumps or similar objects shall be backfilled with suitable on-site or borrow materials, as directed, and compacted in accordance with [203.03](#).

Fences, shrubs, ornaments and other privately owned articles that are in the line of the paving and in public space are to be removed by the property owner in advance of paving however, in the event the owner has not removed these items when the work is ordered commenced, the Contractor, at the direction of the Chief Engineer, shall remove and set these ornamental objects on the private properties affected, well out of the way of construction.

201.04 MEASURE AND PAYMENT

The unit of measurement for Clearing and Grubbing will be the job. Payment will be made at the contract lump sum price, which payment will include all labor, materials, disposal of materials, tools, equipment and incidentals necessary to complete the work as specified herein.