

## SECTION 1000 SITE PREPARATION

1001 SCOPE. This section governs the furnishing of all labor, equipment, tools and materials and the performance of all clearing, grubbing and demolition within the limits of work as defined in Section 1003(A) of this specification, in the Special Provisions or as shown on the plans.

### 1002 DEFINITIONS.

- A. Clearing. Clearing shall consist of removing all vegetable matter such as trees, brush, down timber and other objectionable materials found on or above the surface of the site. It shall include removing buildings, fences, lumber, waste dumps and trash and the salvaging of such materials as may be specified and disposing of the debris. The Contractor shall scalp all excavation and embankment areas. Scalping shall include the removal of material such as sod, grass, residue or agricultural crops and decayed vegetable matter from the surface of the ground without removing more earth than is necessary.
- B. Grubbing. Grubbing shall consist of removing and disposing of all vegetable matter such as stumps, roots, buried trees and brush encountered below the surface of the ground or sub-grade, whichever is lower, which have not been included in Section 1002(A) entitled "Clearing".

In all cases of grubbing, the vegetable matter shall be removed to a minimum depth of 12 inches below ground line or subgrade, whichever is lower, except as provided in Section 1003(C).

When deleterious materials are encountered below ground line which may be detrimental to the proposed improvement, these shall be removed to a depth necessary to provide adequate support for the proposed improvement.

- C. Demolition and Removal. This work shall consist of demolishing, removing and disposing of all structures and improvements within the construction limits unless included in other items of work as shown on the plans or Special Provisions. This work shall apply to all structures and improvements, whether on, above or below the surface of the ground or sub-grade.

Demolition and removal shall include but not be limited to items such as buildings, drainage structures, pipes, pavements, fences, retaining walls, guardrails and signs.

Items such as fences and guardrails shall be salvaged and relinquished to the appropriate owner or relocated, where indicated on the plans.

Relocation of signs, fences, guardrails, etc. shall be considered incidental to removal work except where such relocation is listed separately in the itemized Proposal.

All pipes which are to be abandoned shall be removed unless otherwise shown on the plans or approved by the Engineer.

In removing items such as portland cement concrete pavement, base courses, curbs, curb and gutters, sidewalks, and similar objects where portions of said objects are to be left in place, they shall be removed to an existing joint or to a new joint sawed to a minimum depth of two (2) inches or 1/4 the slab thickness, whichever is greater, with a true line and vertical face. Sufficient portions of these objects shall be removed to provide for the proper grade and connection to the new work.

- D. Trees. Vegetable growth 6 inches in diameter, measured 3 feet above ground shall be classified as a tree.
- E. Brush. Vegetable growth less than 6 inches in diameter, measured 3 feet above ground shall be classified as brush.

### 1003 CONSTRUCTION DETAILS.

- A. Limits of Work. The limits for clearing, grubbing and demolition shall extend to the construction limits unless otherwise shown on the plans.

In the event construction limits have not been indicated on the plans, the limits for clearing, grubbing, and demolition shall not extend beyond the limits of the right-of-way, City property lines, or easements.

- B. Protection of Greenery, Existing Structures and Private Facilities. The plans will designate trees, shrubs or other plants that are to be saved and the Contractor will take necessary steps to protect this greenery. Trees may be pruned, upon prior approval of the Engineer, but only in accordance with the best practices of arboriculture in respect to the individual species with due regard to their natural form and growth characteristics.

Existing structures within or adjacent to the construction limits that are not to be removed or demolished shall be protected by the Contractor during his construction. Any private facilities such as house sewer laterals which are disturbed or damaged by the Contractor's work, shall be repaired by the contractor prior to the close of the work day. This repair shall be made in a manner sufficient to restore utility service to that property.

- C. Embankment Area. When undisturbed stumps and roots are encountered where the fill depth will exceed 3 feet the stumps and roots may be left in place provided they do not extend more than 3 inches above the original ground line.
- D. Borrow Areas. All stumps, roots and other objectionable matter shall be removed from the borrow material used for embankment or fill. The borrow area shall be left in a well drained and smooth condition.
- E. Backfilling the Site. All trenches, holes, pits and basement areas resulting from the operations of clearing, grubbing, demolition and removal on the site, shall be backfilled with suitable material placed and compacted in conformance with Section 1106 entitled "Embankment".

- F. Disposal of Materials. All materials with the exception of those which are designated for salvage or which are used in the embankment in conformance with this specification, shall become the Contractor's property and shall be disposed of by him, outside the project limits at a site as approved by the City Engineer, unless otherwise indicated on the plans.
- G. Hazardous Materials. All items classified as hazardous materials shall be disposed of in accordance with the applicable codes.

#### 1004 PROGRESS OF CONSTRUCTION.

- A. Clearing. All preconstruction photos and/or videos shall be accomplished prior to clearing operations. Clearing shall proceed well in advance of the construction operations so as not to delay the progress of the work. The refuse resulting from clearing may be hauled to a waste site secured by the Contractor or shall be burned, buried or mulched in such a manner as to meet all laws, regulations, and requirements of any governing authority regarding health, safety, and public welfare. When authorized by the Fire Department, the Contractor may dispose of such refuse by burning on the site of the project, provided all requirements as determined by the Fire Department are met. Under no circumstances will the authorization to burn on the site relieve the Contractor in any way from damages which may result from his operations. In no case shall any materials be left on the project site, shoved into abutting properties, or buried in embankments or trenches on the site.

- B. Grubbing. Grubbing shall parallel the clearing as nearly as the sequence of operations will permit.

Piling and butts of utility poles within the limits shall be removed to a minimum depth of two (2) feet below the subgrade or the original ground, whichever is lower.

All stumps, roots, and other objectionable matter found within borrow material to be used for embankment or fill material shall be removed.

- C. Demolition. Demolition work shall occur well in advance of the construction operations. Masonry and concrete walls, miscellaneous foundations, or other objects extending below ground shall be removed to a depth of at least twelve (12) inches below the original ground or subgrade, whichever is lower.

When explosives are used in demolition, the Contractor shall comply with the provisions of Specification Section 7000 entitled "Blasting".

1005 UTILITY COORDINATION. The Contractor shall be responsible for protecting any improvement of any agency, public or private, in the vicinity of clearing, grubbing or demolition operations. When necessary, the Contractor shall enlist the assistance of the affected agencies in the location of their utilities. The Contractor will be responsible for the cost to any agency for assistance in the location of its facilities and for the cost of all damage to such facilities arising from his carelessness or negligence.