

SECTION 2 CLEARING AND GRUBBING

2-1 GENERAL - This work shall consist of removing all objectionable materials from within the specified limits of the project, whether such items are shown on the plans or not. The limits of clearing and grubbing shall be of sufficient area and depth to allow unobstructed access for Contractor's workers and equipment to complete the Contract Work, and to provide clear visibility to signs and similar facilities that require clear sight lines for intended users.

When necessary to provide equipment access clearance along the edge of a road, removals shall be to a point one foot behind the existing face of curb or edge of pavement and to a height of 14' 6" from the pavement surface. All trees, existing stumps and large roots within embankment areas where the grading plane is two feet or more above the natural ground shall be cut off flush with the natural ground and need not be completely removed except where they interfere with the construction.

The area above and below the natural ground surface shall be cleared of all vegetable growth and deleterious material such as trees, logs, upturned stumps, roots of down trees, brush, grass, weeds, rocks, concrete, pavement, and all other objectionable material which would interfere with the Work. Removal of such material shall be to a minimum depth of 6 inches below subgrade or 6 inches below natural ground, or as needed to accommodate the intended design of improvements to be installed in the area, whichever is lower.

All existing vegetation outside of the areas to be cleared and grubbed shall be protected from injury or damage resulting from Contractor's operations throughout the duration of Contract.

All materials removed shall be disposed of outside of the City unless provided or otherwise in the Special Provisions. When possible, Contractor is encouraged to dispose of materials where materials will be recycled or reused, i.e., diverted from landfill. No accumulation of flammable material shall remain on or adjacent to the right-of-way. The roadway and adjacent areas shall be left with a neat and finished appearance.

2-2 PAVEMENT REMOVAL

2-2.1 Bituminous Pavement - Bituminous pavement shall be removed to clean, straight lines. Saw cutting of edges to be joined is optional. Where only the surface of existing bituminous pavement is to be removed, the method of removal shall be approved by the Engineer, and a minimum laying depth of 1½ inches of new pavement material shall be provided at the join line. Where bituminous pavement adjoins a trench, the edges adjacent to the trench shall be cut to neat straight lines before resurfacing to ensure that all areas to be resurfaced are accessible to the rollers used to compact the subgrade or paving materials. This requirement shall not apply when the street involved is to be overlaid or is to receive a bituminous seal coat.

2-2.2 Concrete Pavement - Concrete pavement shall be removed to neatly sawed edges. Saw cuts shall be made to a minimum depth of 2 inches. If a saw cut in concrete pavement falls within 3 feet of a construction joint, cold joint, expansion joint, or edge, the concrete shall be removed to the joint or edge. The edges of existing concrete pavement adjacent to trenches, where damaged subsequent to saw cutting of the pavement, shall again be saw cut to neat straight lines for the purpose of removing the damaged pavement areas. Such saw cuts shall be either parallel to the original saw cuts or shall be cut on an angle which departs from the original saw cut not more than 1 inch in each 6 inches.

2-2.3 Concrete Curb, Walk, Gutters and Driveways - Unless otherwise marked in the field by the Engineer prior to bids, concrete shall be removed to neatly sawed edges with saw cuts made to a minimum depth of 2 inches. Concrete sidewalk or driveway to be removed shall be neatly sawed in straight lines either parallel to the curb or at right angles to the alignment of the sidewalk. No section to be replaced shall be smaller than 30 inches in either length or width. If the saw cut in sidewalk or driveway would fall within 30 inches of a construction joint, expansion joint, or edge, the concrete shall be removed to the joint or edge, except that where the saw cut would fall within 12 inches of a score mark, the saw cut shall be made in and along the score mark. Curb and gutter shall be sawed to a depth of 2 inches on a neat line at right angles to the curb face.

2-3 DISPOSAL OF MATERIALS - All materials removed shall be disposed of in accordance with Section 6-16, "Disposal Outside Project Limits," of General Provisions, City Standard Specifications, at no extra cost to the City. The contract work area shall be left with a neat and finished appearance. All trucks hauling demolition debris or other such materials shall be covered.

2-4 SALVAGING OF MATERIALS - All existing materials that are designated to be salvaged shall be removed, cleaned and hauled to the City Maintenance Facility, unloaded and stockpiled, by the Contractor unless otherwise Approved by the Engineer.

2-5 ABANDONING PIPES AND STRUCTURES - Existing pipes when indicated on the Contract Plans to be abandoned, shall be so abandoned by one of the following methods as designated:

Method A: The existing pipe shall remain in place; all open ends of the pipe shall be plugged with Class 560-C-3250 concrete. The thickness of the concrete shall be a minimum thickness equal to the pipe diameter or 12 (twelve) inches, whichever is greater. Contractor shall construct all falsework required for installing concrete plug.

Method B: The existing pipe shall be completely filled with a sand/cement slurry Class 200-E-500.

If no method is specified on the Contract Plans or in the Special Provisions, Method B shall apply.

Existing structures, pavement slabs and structural sections to be abandoned shall be demolished to an elevation three feet below finished grade. Their bottoms (if any remain) shall be broken thoroughly to prevent entrapment of water and all voids backfilled with suitable backfill.

2-6 MEASUREMENT - Quantities of clearing and grubbing will be measured on a lump sum basis.

2-7 PAYMENT - Clearing and grubbing shall be paid for at the contract lump sum price. Said price and payment shall constitute full compensation for furnishing all labor, materials, tools, equipment, and incidentals, and for doing all work involved in clearing and grubbing of areas and items otherwise not paid by other bid items in the contract, as specified and as directed by the Engineer, including the removal and disposal of all the resulting material.

When the Contract does not include a pay item for clearing and removal work, as above specified, and unless noted otherwise in the Special Provisions, full compensation for any necessary clearing and removal work shall be considered as being included in the unit price paid for the type of work involved, and no additional compensation will be allowed therefore.