

## **SECTION 10 - CLEARING AND GRUBBING**

### **10-1 GENERAL**

Clearing and grubbing shall consist of the removal and disposal of all materials, roots, existing concrete and other obstructions as required by the plans and specifications.

### **10-2 PRESERVATION OF PROPERTY (See Section 7-9)**

Whether shown on the plan or not, existing improvements, adjacent property, utility and other facilities, and trees and plants that are not to be removed shall be protected from injury or damage resulting from the Contractor's operations.

The Contractor shall make such investigations and examinations including but not limited to, a visual inspection of all above-ground appurtenances, a review of existing public records, probing, potholing, as required, to determine the existence and locations of all pipes, conduits, and other underground improvements, and shall consult with and advise the owners of the utilities before undertaking any Work that might endanger said utilities.

The Contractor shall assume full responsibility for any damage to pipes, conduits, poles, or any other structures or utilities. He shall not make any claim for inconvenience, delay or added cost of performing the Work which may be attributed in any degree to inaccuracy of information furnished by the City relative to the locations, sizes, dimensions, depths, and character of any pipes, conduits, poles, or other structures and utilities or for failure of the City to furnish any information relative thereto.

The City does not guarantee the accuracy or completeness of any data shown on the plans relative to the locations, sizes, dimensions, depths, and character of pipes, conduits, poles or any other structures or utilities located above ground or underground. At locations where lawn sprinkler systems exist, the Contractor will cut and cap water lines at the property lines or at such point as directed by the Engineer. All heads and pipe removed shall be salvaged and returned to their respective owners. Full compensation for cutting and capping water lines shall be considered as included in this item.

Existing land subdivision monuments and stakes shall be fully protected from damage or displacement and they shall not be disturbed unless directed by the Engineer.

### **10-3 CLEARING AND GRUBBING OPERATIONS**

Clearing and grubbing shall conform to the provisions in Section 16 of the State Standard Specifications and these provisions.

Unless otherwise specified, the entire area within the Project limits shall be cleared and grubbed. No payment will be made to the Contractor for clearing and grubbing outside these limits, unless such Work is authorized by the Engineer.

All of the Work shown on the plans and included in these specifications that is located in the public streets in the City shall be done in accordance with City Ordinances regulating

the use of public streets within the City, except as otherwise provided herein (See Title 7, Chapter 2 – Streets and Sidewalks, of the City of Madera Municipal Code).

The Contractor shall inform himself as to all regulations and requirements of the City and shall conduct his operations in compliance therewith.

Concrete removal shall conform to the provisions in Section 15 of the State Standard Specifications and these provisions. Where a portion on an existing concrete facility is to be removed, it shall be cut to a minimum depth of 1 1/2 inches with an abrasive type saw at the first scoring line at or outside the planned joint and removed without damage to any portion that is to remain in place. If curbs and gutters cannot be cut off square and neat; the entire curb and gutter shall be removed to the nearest weakened plane or expansion joint. No patching at expansion joints will be permitted.

All concrete (Portland or asphalt) and oil dirt within the right of way shall be removed by the Contractor unless designated to remain on the plans. Existing manholes, drain wells, drainage structures, irrigation lines, structures and headwalls to be abandoned shall be removed to at least 2 feet below the surface and backfilled or as specified in the Special Conditions.

Where existing house foundations and floor slabs overlap into the project area, the whole foundation will be removed. The portion beyond and outside the project area will be considered within the project area and included in the bid price of removing concrete.

#### **10-4 REMOVAL AND DISPOSAL OF MATERIALS**

Within the limits of clearing, all stumps, large roots, buried logs, and all other organic material shall be removed 3 feet below the existing ground surface or 6 feet below finished grade, whichever is deeper.

Trees and plants that are not designated for removal shall be fully protected from injury by the contractor at his expense. Trees shall be removed in such a manner as not to injure standing trees, plants, and improvements which are to be preserved.

Tree branches extending over the roadway which interfere with the work shall be trimmed by the Contractor, as directed by the Engineer.

The Contractor shall be required to obtain a Construction and Demolition Permit from the City which will require the recycling of at least fifty percent (50%) of the volume of construction and demolition debris.

#### **10-5 PAYMENT**

The lump sum price bid for clearing and grubbing shall include full compensation for furnishing all labor, materials, tools, equipment and incidentals and for doing all the Work involved in clearing and grubbing as shown on the plans, and in the General and Special Conditions, and as directed by the Engineer, including the removal and disposal of all the resulting materials.

When the contract does not include a pay item for clearing and grubbing as above specified, and unless otherwise provided in the Special Conditions, full compensation for

any necessary clearing and grubbing required to perform the construction operations specified shall be considered as included in the price bid for other items of Work and no additional compensation will be allowed therefore.