

## **SECTION 31 1000**

### **SITE PREPARATION**

#### **PART 1 GENERAL**

##### **1.01 RELATED DOCUMENTS**

- A. Drawings and general provisions of the Contract, including General and Supplementary Conditions and Division 1 Specification Section, apply to this Section.

##### **1.02 SUMMARY**

- A. This Section includes, but is not limited to, the following:
  - 1. Locate and mark existing utilities within the limits of work.
  - 2. Remove all existing surface and subsurface improvements within the area as indicated.
  - 3. Properly dispose of all unsuitable material.
  - 4. Strip all areas within the limits of work.
  - 5. Comply with owner's utility outage limitations.
  - 6. Install and maintain erosion and siltation control devices, if required.
- B. Related Sections include, but are not limited to the following:
  - 1. Earthwork General Provisions - Section 31 2000
  - 2. Trenching, Backfilling and Compaction - Section 31 2316

#### **REFERENCES**

- A. Reference Data:
  - 1. If the year of the adoption or latest revision is omitted from the designation, it shall mean the specification, manual or test designation in effect the date the Notice to Proceed with the Work is given.
- B. Caltrans Standard Plans and Specifications 2006 Edition, where applicable.

#### **PART 2 PRODUCTS**

##### **2.01 CLEARED MATERIAL**

- A. The unsuitable cleared material including fencing, footings broken concrete, asphalt, headerboard, underground utilities, trees, mulch and other similar debris, shall be completely removed from the project site and disposed of properly.

##### **2.02 STRIPPED MATERIAL**

- A. Objectionable stripped material shall be removed from the project site and disposed of properly.

#### **PART 3 EXECUTION**

##### **3.01 DEMOLITION SEQUENCING**

- A. The owner has strict utility outage limitations that will require careful sequencing of the demolition and construction work. Acceptable shutdown times are typically Friday through Sunday and must be specifically approved in advance by the Owner. Permanent and/or temporary facilities may need to be installed prior to demolition to limit utility outages. Any planned and or necessary interruption of existing utilities shall be coordinated with the Owner. A minimum of one week's notice shall be provided before any such interruption.

### **3.02 EROSION CONTROL**

- A. Install and maintain fiber rolls, drainage inlet protection etc., until such time as all vegetative and hard surface improvements within their individual tributary areas are completed, if work is undertaken prior to April 15 or is incomplete on October 15. Provide periodic maintenance of all such devices, and following completion of said improvements, remove and dispose of erosion control devices and repair surfaces to match final specified surface finishes.

### **3.03 CLEARING AND GRUBBING**

- A. The area above the natural ground surface shall be cleared of all vegetable growth such as trees not designated to be saved, roots, brush, grass and weeds and all other objectionable material including concrete, asphalt, mulch, utility piping, and similar materials within the limits of construction.
- B. The natural ground surface within the entire site shall be grubbed to a depth necessary to remove all stumps, buried logs, roots over 2-inches in diameter and all other unsuitable material. Stumps shall be removed to a depth of at least 24" below original grade. Backfill of all removed items to required grades shall be in accordance with the recommendations of the project Geotechnical Engineer in the field, Specification Section 31 2000, depending on location of occurrence and based on the most stringent requirement from these sections.
- C. Remove all existing utilities, except those designated to remain. Backfill of all removed items to required grades shall be in accordance with the recommendations of the project Geotechnical Engineer in the field and Specification Section 31 2000 depending on location of occurrence and based on the most stringent requirement from these sections.
- D. All unsuitable material shall be removed from the construction area and disposed of properly by the contractor or used as landscaping material as directed by the Owner or Architect.

### **3.04 STRIPPING**

- A. The upper soils containing grass, small roots and other vegetation to a depth of approximately 4 inches shall be stripped and stockpiled for reuse. Deeper stripping may be required in localized areas to remove roots or other concentrations of organic material.
- B. Dust control shall be performed by the Contractor during all phases of the construction. Payment for the dust control work involved shall be considered included in the various other items of work and no additional allowance will be made therefore.
- C. The Owner's representative will observe the clearing and stripping operations and recommend the maximum depth of stripping required and any additional excavation necessary due to contamination of materials or concentrations of vegetation.
- D. All suitable stripped material in excess of those needed in landscaped areas shall be removed from the project site and disposed of properly.

### **3.05 SURFACE IMPROVEMENT REMOVAL AND RELOCATION**

- A. The Contractor shall have a locating service mark all existing private utilities as a first order of work.
- B. Remove existing pavements, enclosures, footings, and appurtenances within the limits shown.
- C. See Mechanical, Electrical, and Civil plans for detailed removal/replacements requirements.

### **3.06 CLEAN UP**

- A. Remove all debris and stains resulting from the work of this section.

**END OF SECTION**