

## **SECTION 31 10 00 - SITE CLEARING**

### **PART 1 - GENERAL**

#### **1.1 SUMMARY**

- A. This Section includes the following:
  - 1. Clearing and grubbing.
  - 2. Stripping and stockpiling topsoil.
  - 3. Removing above- and below-grade site improvements.
  - 4. Disconnecting and capping or sealing site utilities.
  - 5. Temporary erosion and sedimentation control measures.

#### **1.2 MATERIAL OWNERSHIP**

- A. Except for stripped topsoil or other materials indicated to remain Owner's property, cleared materials shall become Contractor's property and shall be removed from Project site.

#### **1.3 PROJECT CONDITIONS**

- A. Traffic: Minimize interference with adjoining roads, streets, walks, and other adjacent occupied or used facilities during site-clearing operations.
  - 1. Do not close or obstruct streets, walks, or other adjacent occupied or used facilities without permission from Owner and authorities having jurisdiction.
  - 2. Provide alternate routes around closed or obstructed traffic ways if required by authorities having jurisdiction.
- B. Salvable Improvements: Carefully remove items indicated to be salvaged and store on Owner's premises where indicated.
- C. Utility Locator Service: Notify utility locator service for area where Project is located before site clearing.
- D. Do not commence site clearing operations until temporary erosion and sedimentation control measures are in place.

### **PART 2 - PRODUCTS**

Not applicable

## PART 3 - EXECUTION

### 3.1 GENERAL REQUIREMENTS

- A. See section 01 56 39 Temporary Tree and Plant Protection. Only remove trees indicated for removal on the plans. All other trees must be protected.
- B. The Contractor shall raze, remove and dispose of all utilities and foundations, structures, fences and other obstructions as indicated on the plans. The exceptions are utility-owned equipment, items indicated to remain on the plans, and any other items the Owner may direct the Contractor to leave intact. The Contractor shall:
  - 1. Remove foundations and slabs completely,
  - 2. Make a vertical saw cut between any existing improvements to remain and the portion to be removed.
  - 3. Replace at no expense to the Owner any existing improvements to remain that are damaged during the removal of other improvements.
- C. The Owner will provide a list of items to be salvaged and returned to the Owner. Any material not named as the Owner's property will belong to the Contractor. The Contractor shall store or dispose of such material off site in a safe and legal manner at no expense to the Owner.

### 3.2 PREPARATION

- A. Protect and maintain benchmarks and survey control points from disturbance during construction.
- B. Locate and clearly flag trees and vegetation to remain or to be relocated.
- C. Protect existing site improvements to remain from damage during construction.
  - 1. Restore damaged improvements to their original condition, as acceptable to Owner.

### 3.3 TEMPORARY EROSION AND SEDIMENTATION CONTROL

- A. Provide temporary erosion and sedimentation control measures to prevent soil erosion and discharge of soil-bearing water runoff or airborne dust to adjacent properties and walkways, a sediment and erosion control plan, specific to the site, that complies with EPA 832/R-92-005 or requirements of authorities having jurisdiction, whichever is more stringent.
- B. Inspect, repair, and maintain erosion and sedimentation control measures during construction until permanent vegetation has been established.
- C. Remove erosion and sedimentation controls and restore and stabilize areas disturbed during removal.

### 3.4 UTILITIES

- A. Locate, identify, disconnect, and seal or cap off utilities indicated to be removed.
  - 1. Arrange with utility companies to shut off indicated utilities.
- B. Existing Utilities: Do not interrupt utilities serving facilities occupied by Owner or others unless permitted under the following conditions and then only after arranging to provide temporary utility services according to requirements indicated:
  - 1. Notify Owner not less than two days in advance of proposed utility interruptions.
  - 2. Do not proceed with utility interruptions without Owner's written permission.
- C. Removal of underground utilities is included in Sections covering site utilities.

### 3.5 CLEARING AND GRUBBING

- A. Remove trees, shrubs, grass and other vegetation as shown on plans.
  - 1. Do not remove tree protection fencing or any other tree protections elements.
  - 2. Do not remove trees, shrubs and other vegetation indicated to remain or to be relocated.
  - 3. Cut minor roots and branches of trees indicated to remain in a clean and careful manner only where such roots and branches obstruct work indicated herein and only under supervision of the University Arborist and with written approval by the Owner's Representative.
  - 4. Grind stumps and remove roots, obstructions and debris extending to a depth of 18 inches below exposed subgrade.
  - 5. Use only hand methods for grubbing within tree protection zone.
  - 6. Fill depressions caused by clearing and grubbing operations with specified topsoil unless further excavation or earthwork is indicated. Place fill materials as per Section 32 93 00.

### 3.6 TOPSOIL STRIPPING

- A. Remove sod and grass before stripping topsoil.
- B. Strip topsoil to whatever depths are encountered in a manner to prevent intermingling with underlying subsoil or other waste materials.
- C. Stockpile topsoil materials away from edge of excavations without intermixing with subsoil. Grade and shape stockpiles to drain surface water. Cover to prevent windblown dust.

### 3.7 SITE IMPROVEMENTS

- A. Remove existing above- and below-grade improvements as indicated and as necessary to facilitate new construction.

3.8 DISPOSAL

- A. Disposal: Remove surplus soil material, unsuitable topsoil, obstructions, demolished materials, and waste materials including trash and debris, and legally dispose of them off Owner's property.
  - 1. Separate recyclable materials produced during site clearing from other nonrecyclable materials. Store or stockpile without intermixing with other materials and transport them to recycling facilities.

**END OF SECTION 31 10 00**