

**SECTION 02100**

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## SECTION 02100

### SITE PREPARATION

#### **PART 1 - GENERAL**

##### **1.01 SECTION INCLUDES**

- A. Clearing site of debris, grass, trees, and other plant life in preparation for site or building excavation work.
- B. Protection of existing structures, trees, or vegetation indicated on the contract documents to remain. Unless otherwise shown, the grading limit is the work limit. Only such items, trees and shrubs as approved by the City Tree Warden may be removed.
- C. Stripping topsoil from areas that are to be incorporated into the limits of the project and where so indicated on the construction drawings.

##### **1.02 RELATED SECTIONS**

- A. Section 02050 - Demolition
- B. Section 02180 - Subsurface Soil Investigation
- C. Section 02200 - Earthwork
- D. Section 02270 - Slope Protection and Erosion Control
- E. Construction Drawings
- F. Geotechnical Report appended to Section 02180

***Note to Users: If an erosion/sedimentation control program has been prepared for this project it should be included with the Local Permit Applications. The program, if required, should be appended to Section 02270, Slope Protection, and Erosion Control, of these specifications. Scheduling constraints, stabilization of disturbed areas, and the other requirements of this program shall be strictly adhered to. Any and all penalties which are imposed on the Owner for the failure to comply with these provisions shall be paid by the Contractor.***

***If a geotechnical investigation of the site was undertaken as a part of this project, it should be included or appended to Section 02180, Subsurface Soil Investigation. This document is typically obtained only for the Owner's use in design. Interpretation of the data for purposes of construction is the responsibility of the Contractor. The report should be made available for information purposes, but is not a warranty of subsurface conditions. Bidders shall visit the site and acquaint themselves with existing conditions.***

***Certain properties and sites may contain special and or hazardous wastes. The Owner or his designated agent should conduct due diligence reviews to determine the extent to which such materials may be encountered for the work. Special precautions, cleanup, or construction methods may be required. These are not enumerated within this specification.***

##### **1.03 ENVIRONMENTAL REQUIREMENTS**

Construct temporary erosion control systems as shown on the plans or as described in the erosion control report appended to Section 02270, in accordance with the City of Saco details and as required by the Permits to protect adjacent properties and water resources from erosion and sedimentation.

#### **1.04 JOB CONDITIONS**

- A. Conditions existing at time of inspection for bidding purposes will be maintained by owner in so far as practical.
- B. Variations to conditions or discrepancy in actual conditions as they apply to site preparation operations are to be brought to the attention of the owner prior to the commencement of any site work.

#### **PART 2 - PRODUCTS**

##### **2.01 PRODUCTS - NOT APPLICABLE.**

#### **PART 3 - EXECUTION**

##### **3.01 PREPARATION**

- A. Verify that existing plant life and clearing limits are clearly tagged, identified, and marked in such a manner as to insure their safety throughout construction operations.

##### **3.02 APPROVED REQUIRED**

- A. Any removal or pruning of trees shall be reviewed, approved, and coordinated through the City Tree Warden.
- B. Any removal of trees which could constitute clearing of forest shall be reported to Maine Forest Service.
- C. Local, State, and Federal regulations restrict certain activities in wetlands or designated buffer areas. Prior to commencing activities, the Contractor shall ascertain how these may apply to the project.
- D. Topsoil removal in excess of 10,000 s.f. requires approval from the City of Saco, Code Enforcement Office. If removal involves work in wetlands within the shoreland zone or within 250 feet of a watercourse, waterbody, or shoreline.
- E. Work within 500 feet of the Saco River may require separate approvals from the Saco River Corridor Association.
- F. Work within or near public ways will require permits for street openings and driveway locations from the Maine Department of Transportation and the City of Saco.
- G. Permits for burning are subject to local approval.

##### **3.03 PROTECTION**

- A. Locate and identify existing utilities that are to remain and protect them from damage.
- B. Protect trees, plant growth, and features designated to remain as final landscape.
- C. Conduct operations with minimum interference to public or private accesses and facilities. Maintain access and egress at all times and clean or sweep any roadways daily or as required by the governing authority. At such times as deemed necessary by the owner, dust control shall be provided with sprinkling systems or equipment provided by the Contractor.
- D. Protect benchmarks, property corners, and all other survey monuments from damage or displacement. If a marker needs to be removed, it shall be referenced by a licensed land surveyor and replaced, as necessary, by the same.

- E. Provide traffic control as required, in accordance with the U.S. Department of Transportation "Manual of the Uniform Traffic Control Devices" and the state highway department requirements. The Contractor shall be responsible for preparing, submitting and receiving approval of a traffic control plan required from the Maine Department of Transportation and the City of Saco for all work within the public right-of-way.

### **3.04 CLEARING**

- A. Clear areas required for access to site and execution of work.
- B. Unless otherwise indicated on the drawings, remove trees after consultation and coordination through the City Tree Warden, shrubs, grass, other vegetation, improvements, or obstructions interfering with installation of new construction. Removal includes digging out stumps and roots. Depressions caused by clearing and grubbing operations are to be filled to subgrade elevation to avoid water ponding. Satisfactory fill material shall be placed in horizontal layers not exceeding 8" loose depth, and thoroughly compacted per fill requirements of this section and Section 02200.
- C. Stumps and grubbing may either be burned on the site in the area designated on the plan or chipped on site and used for erosion control. The ash from burning shall be mixed with four parts loam to one part ash and used for restoration.

### **3.05 TOPSOIL EXCAVATION**

- A. Strip topsoil from areas that are to be filled, excavated, landscaped or re-graded to such a depth that it prevents intermingling with underlying subsoil or questionable materials.
- B. Cut heavy growths of grass from areas before stripping and remove with the rest of the cleared vegetative material.
- C. Topsoil shall consist of organic surficial soil found in depth of not less than 6". Satisfactory topsoil is reasonably free of subsoil, clay lumps, stones and other objects over 1" in diameter, weeds, roots, and other objectionable material.
- D. Stockpile topsoil in storage piles in areas shown or where directed. Construct storage piles to freely drain surface water. Cover storage piles as required to prevent windblown dust. Stockpiles shall be stabilized in accordance with the Erosion and Sedimentation Control Report, appended to Specification Section 02270. Dispose of unsuitable topsoil as specified for waste material, unless otherwise specified by owner. Excess topsoil shall be removed from the site by the Contractor unless specifically noted otherwise on the Drawings.

**---End of Section 02100---**