

SECTION 31 10 00- SITE PREPARATION

PART 1 - GENERAL

1.01 GENERAL PROVISIONS:

- A. The CONDITIONS OF THE CONTRACT and all Sections of Division 1 are hereby made a part of this Section.

1.02 DESCRIPTION OF WORK

- A. Work Included: Provide labor, materials, and equipment necessary to complete the work of this Section, and, without limiting the generality thereof, furnish and install the following:
  - 1. Clearing site of debris, grass, trees, and other plant life in preparation for excavation work.
  - 2. Protection of existing structures, trees or vegetation indicated on the contract documents to remain.
  - 3. Stripping of topsoil from the areas to be incorporated into the limits of the project and where indicated on the drawings.
  - 4. Removal of existing bituminous pavement where indicated on the drawings.
  - 5. Removal of steps, light poles, and other site elements where indicated on the drawings.
- B. Related Work: Examine Contract Documents for requirements that affect work of this Section. Other Specification Sections that directly relate to work of this Section.
- C. Alternates, Allowances, Unit Prices: Refer to SECTION 01210 and SECTION 01230 to determine extent, if any, work of this Section will be affected by any Alternates, Allowances or Unit Prices.

1.03 QUALITY ASSURANCE; SUBMITTALS:

- A. General: Comply with requirements of SECTION 01330 – SUBMITTAL PROCEDURES.

1.04 JOB CONDITIONS

- A. Conditions existing at the time of inspection for bidding purposes will be maintained by the 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 commencement of any site work.

## PART 2 - PRODUCTS

### 2.01 MATERIALS

- A. General: Off-site materials shall be transported to the project site using well maintained and operating vehicles. Once onsite, transporting vehicles shall stay on designated roads and shall at no time endanger residents, staff, or existing improvements.
- B. Tree Protection: Provide 4 foot wooden snow-fencing or other approved means of providing a barrier and protection to existing trees and vegetation indicated to be preserved.

## PART 3- EXECUTION

### 3.01 PREPARATION

- A. Verify that the limits of pavement removal, clearing and stripping are clearly tagged, marked, or identified and review limits with the Architect.

### 3.02 PROTECTION

- A. Locate and identify existing utilities to remain and protect from damage.
- B. Protect trees and other features designated to remain in the landscape. No parking of vehicles, storage of materials, or driving of construction equipment within the 'drip-zone' of the tree will be allowed. Place snowfencing at perimeter of drip-line and maintain throughout construction.
- C. Conduct operations with minimum interference to public or private accesses or facilities. Maintain access and egress at all times and clean and sweep any roadways daily or as required by the governing authority. If deemed necessary, provide dust control with sprinkling systems to be 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 at no cost to the Owner.
- E. Provide traffic control as required, including preparing, submitting, and receiving approval of a traffic control plan if required from the Town of Newcastle for all work within the public Right-of way.

### 3.03 CLEARING

- A. Unless otherwise indicated on the drawings or modified by the Owner, remove all vegetation, grass, improvements, pavement or obstructions interfering with the installation of new construction. Removal includes digging out stumps and roots. Depressions caused by clearing and grubbing operations are to be filled to subgrade elevations to avoid ponding. Satisfactory fill material shall be placed in horizontal layers not exceeding 8" loose depth, and thoroughly compacted per Section 31 2000.

3.04 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 material.
- C. Topsoil shall consist of organic surficial soil found in depths of not less than 6". Satisfactory topsoil is reasonably free of subsoil, clay lumps, stones, and other objects over 2" in diameter, weeds, sticks, roots, and other objectionable material.
- D. Stockpile topsoil on-site in areas as directed by the Architect. Construct storage piles to freely drain surface water. Stockpiles shall be stabilized in accordance with Section 31 2513 and the construction documents.

3.05 SITE PREPARATION:

- A. All areas where depth of fill exceeds 4 feet for final grade shall be cleared.
- B. All areas directly below paved areas should be cleared and grubbed. The removal to subgrade shall be completed with a smooth-edged backhoe bucket to limit the amount of subgrade disturbance.

3.06 PROTECTION OF PREPARED AREAS

- A. Prepared areas of the site shall be protected with erosion control measures. Positive surface drainage away from prepared subgrade areas shall be maintained throughout the period of construction.

END OF SECTION 31 10 00