

## SECTION 02100

### SITE PREPARATION

#### PART 1 GENERAL

##### 1.01 SCOPE OF WORK

- A. WORK to be performed under this section shall consist of clearing and grubbing the site within the limits of the approved Development Drawings and disposal of all waste materials.
- B. WORK also included under this section shall include the removal and replacement of existing fences and the erection of temporary fences.
- C. Definitions
  - 1. Clearing: The removal and disposal of all exposed objectionable matter such as: trees, brush, logs, buildings, fences, poles, rubbish, loose boulders and other debris resting on or protruding through the ground surface.
  - 2. Grubbing: The removal and disposal of all objectionable matter such as: logs, poles, stumps, structures, boulders, rubbish, and other debris which is embedded in the soil.

##### 1.02 REGULATORY REQUIREMENTS

- A. No clearing and grubbing shall begin until the erosion and sedimentation control plan has been approved.
- B. Conform to applicable code for disposal of debris.
- C. Conform to local Fire Department Codes for burning debris on site. DEVELOPER/ CONTRACTOR shall obtain all necessary permits prior to burning on site.

#### PART 2 PRODUCTS

##### 2.01 MATERIALS

- A. Materials used for protection of trees and vegetation to remain during clearing operations shall be at DEVELOPER/CONTRACTOR'S option. Materials chosen are subject to review by the TOWN upon installation shall be approved by the TOWN to ensure maximum protection to vegetation.
- B. Materials used for the repair of trees and vegetation damaged shall be at DEVELOPER/CONTRACTOR'S option but may be subject to approval by the TOWN prior to use.

- C. Herbicides shall not be used unless written approval is given by the TOWN.
- D. Explosives shall not be used unless necessary permits are obtained from all Authorities having jurisdiction.
- E. Materials used for the replacement or relocation of existing fences shall be of equal or superior quality to those fence materials existing prior to construction unless specified otherwise on the plans.

## PART 3 EXECUTION

### 3.01 GENERAL

Where new construction on existing roads is required, the DEVELOPER/CONTRACTOR shall video tape and photograph the route prior to beginning construction in such a manner as to provide sound, visual evidence as to the pre-existing conditions along the route of construction. The CONTRACTOR shall keep these records on file; the TOWN may request copies as needed.

### 3.02 CLEARING

- A. No tree, shrub, or other landscaping plants shall be removed unless absolutely necessary for the construction of the proposed improvements. All shrubs or landscaping plants removed or damaged during construction shall be replaced by the DEVELOPER/CONTRACTOR at his expense, with landscaping approved by the TOWN.
- B. Limits of clearing shall be contained within the areas within Right-of-way, Easement and Construction limits as shown on the approved Drawings.
- C. Existing fences that can be reused (if approved by the TOWN) shall be carefully removed and stored at such a distance they shall not be damaged by construction activity.
- D. Fences that cannot be reused shall be removed to such a distance to allow construction activity and shall be replaced with new materials similar to existing fences upon completion of construction.

### 3.03 GRUBBING

- A. The limits of grubbing shall be contained within Right-of-way, Easement and Construction limits as shown on the approved Drawings.
- B. Stumps and roots shall be grubbed and removed to a depth not less than 2 feet below existing grade or bottom of foundation structure.

- C. All holes or cavities, which extend below the subgrade elevation of proposed WORK shall be filled with crushed rock or other suitable material and compacted to the same density as the surrounding material.

### 3.04 PROTECTION

- A. Streets, roads, adjacent property, and other works to remain shall be protected throughout the work in accordance with local laws and ordinances.
- B. DEVELOPER/CONTRACTOR shall make every effort to protect existing benchmarks, R/W markers, monuments, iron pins, property corner markers, etc. If any are disturbed or destroyed, CONTRACTOR shall provide services of a registered land surveyor to replace the markers.
- C. No trees shall be cut outside of areas designated without specific approval of the TOWN, and any trees designated shall be protected from damage by DEVELOPER/CONTRACTOR'S construction operations.
- D. Existing trees and other vegetation to remain shall be protected as directed by the TOWN:
  - 1. Trees shall be protected by fencing, barricades, or wrapping.
  - 2. Shrubs and bushes shall be protected by fencing, barricades, or wrapping. Wrapping of bushes and shrubs with plastic film will not be permitted.
  - 3. Shallow-rooted plants shall be protected at ground surface under and in some cases outside the spread of branches by fencing, barricades, or ground cover protection.
- E. In the event archaeological resources are uncovered, the DEVELOPER/ CONTRACTOR shall notify the TOWN prior to proceeding with WORK.
- F. DEVELOPER/CONTRACTOR shall erect temporary fences as necessary to preserve the privacy of all affected property owners whose existing fences are being removed or relocated. Temporary fences shall be of sufficient strength and quality to prevent escape of animals and livestock and to prevent the intrusion of animals and people.
- G. It is DEVELOPER/CONTRACTOR'S responsibility to coordinate, with each affected property owner, the removal and erection of fences and to maintain any temporary and/or relocated fences throughout the contract period.
- H. DEVELOPER/CONTRACTOR shall assume all costs incurred by any property owner in the loss of animals or livestock due to an insufficiency of replaced or temporary fences during the contract period and maintenance period thereafter.

- I. It is the DEVELOPER/CONTRACTOR'S responsibility to secure any insurance necessary to protect himself in the event of loss or damage to any animals, livestock and property for the duration of the project and maintenance period.

### 3.05 DISPOSAL

- A. DEVELOPER/CONTRACTOR shall remove and dispose of all excess material resulting from clearing or site preparation operations. DEVELOPER/ CONTRACTOR shall dispose of such materials in a manner acceptable to the TOWN at an approved location where such materials can be lawfully disposed.
- B. DEVELOPER/CONTRACTOR may, at no cost, retain any materials of value from clearing operations for his own use or disposal by sale unless otherwise stated in these Specifications. Such material shall be removed from construction area before completion of WORK. The TOWN assumes no responsibility for protection or safekeeping of any materials so retained by DEVELOPER/ CONTRACTOR.
- C. Materials shall be disposed of by burying.
- D. Burning will be permitted if the required permits have been acquired from the local Fire Department. Burning of debris on site must conform to local fire department codes and must be in compliance with the applicable EPD Rules and Regulations. Burning will be permitted only at times when conditions are considered favorable for burning and at locations approved by proper State or local authorities. Materials to be burned shall be piled neatly and, when in a suitable condition, shall be burned completely. Piling for burning shall be done in such a manner and in such locations as to cause the least fire risk. All burning shall be so thorough that the materials are reduced to ashes. No logs, branches, or charred pieces shall be permitted to remain. DEVELOPER/CONTRACTOR shall at all times take special precautions to prevent fire from spreading to areas beyond the limits of cleared areas and shall have available at all times, suitable equipment and supplies for use in preventing and suppressing fires. Unguarded fires will not be permitted.
- E. Material to be removed from site shall be removed as it accumulates to prevent any unsightly spoil areas.
- F. All unsuitable excavated materials must be properly disposed of in a manner acceptable to the TOWN and will not adversely affect the environment. Disposal of construction debris and solid waste must be in compliance with the EPD Land Protection Solid Waste Act and Rules and Regulations.

### 3.06 DUST CONTROL

- A. The DEVELOPER/CONTRACTOR shall use all means necessary to control dust on and near work areas and on and near all off-site borrow areas when dust is

caused by construction operations during performance of work. The DEVELOPER/ CONTRACTOR shall thoroughly moisten all surfaces as required to prevent dust being a nuisance to the public, neighbors and traffic hazards.

END OF SECTION