

## SECTION 02102 – CLEARING AND GRUBBING

### PART 1 – GENERAL

#### 1.1 WORK INCLUDED IN THIS SECTION:

- A. Clearing and grubbing required for this work includes, but is not necessarily limited to:
- 1 Removal of trees, stumps, debris, and brush.
  - 2 Trimming and cutting of trees into sections and the satisfactory disposal of the trees and other vegetation designated for removal.
  - 3 Removal and disposal of miscellaneous abandoned subsurface structures and debris that may be discovered during the work.

#### 1.2 RELATED WORK IN OTHER SECTIONS:

- A. Excavating, Filling and Grading      Section B

#### 1.3 JOB CONDITIONS:

- A. Dust Control:
1. Use all means necessary to control dust on and near the work and on and near all borrow areas.

#### 1.4 LINES AND GRADES:

- A. All clearing and grubbing shall be done within the lines and grades shown on the drawings.

### PART 2 – INSTALLATION

#### 2.1 CLEARING:

- A. Contractor shall only clear trees, stumps, brush, snags and other vegetation when necessary for the installation of the overall project. All other trees and vegetation shall be left standing. Trees and vegetation to be left standing shall be protected from damage during the completion of the work.

#### 2.2 GRUBBING:

- A. In areas requiring excavation, Contractor shall grub and remove material to a depth necessary to complete excavation to the limits indicated and complete required work. Material to be grubbed shall include stumps, roots larger than one inch in diameter, matted roots, and any miscellaneous subsurface structures and debris that may be encountered. Trees shall be Trees and plants to be relocated: Any tree or plants moved shall be done in a timely manner so as not to delay construction progress. The Contractor shall take extra measures to protect trees during the relocation by erecting barricades, staking, trimming, etc. as required. Trees shall be completely removed with stump ground down to a minimum depth below the grade of six (6) inches.

2.3 PROTECTION:

- A. Contractor shall take precautions to protect any trees, vegetation, structures, benchmarks and survey stakes, and utilities not intended to be removed. Prior to beginning work, Contractor shall be responsible for field verifying that there are no utilities within the work area. Contractor shall be responsible for repairing and/or replacing, at no additional cost to the Sponsor, items that are damaged during construction that were not intended to be removed.

2.4 DISPOSAL OF MATERIAL:

- A. All materials resulting from clearing and grubbing activities shall be removed and disposed of in an acceptable manner at an acceptable facility conforming to all applicable regulations. Materials suitable for use as aquatic habitat enhancement (stumps, logs, etc.) shall be stockpiled as directed by the Engineer.

PART 3 – MEASUREMENT AND PAYMENT

3.1 METHOD OF MEASUREMENT:

- A. The quantity of Clearing and Grubbing will not be measured for payment unless the construction limits are changed. Clearing and Grubbing shall be considered subsidiary to Excavating, Filling, and Grading. No adjustment will be made for changes involving less than 0.1 acre (0.04 ha).

3.2 BASIS OF PAYMENT:

- A. The amount of work completed and approved, as stated above, shall be paid for as part of the contract lump sum price. Such payment shall constitute full compensation for all labor, equipment, tools and all other items necessary and incidental to completion of the work.
- B. In the event of a change in construction limits, the Contractor shall submit a unit price for Clearing and Grubbing to be approved by the Engineer.

END OF SECTION 02102