

## **SECTION 31 10 00**

### **SITE CLEARING**

#### **PART 1 GENERAL**

##### **1.01 SUMMARY**

- A. Section Includes:
  - 1. Removal and trimming of vegetation and tree, and stripping and stockpiling of sod and topsoil.
- B. Related Sections:
  - 1. Section 31 23 00 – Excavation and Fill

##### **1.02 REFERENCES**

- A. North Dakota Department of Transportation “Standard Specifications for Road and Bridge Construction”
  - 1. Section 201 – Clearing and Grubbing

##### **1.03 DEFINITIONS**

- A. Brush: All bushes, shrubs, and other vegetation that can be cut with a brush scythe or mowing machine, including small isolated trees have a diameter of 4 inches or less at a point 2 feet above the ground surface.
- B. Clearing: Cutting, removing, and disposing of trees, shrubs, bushes, windfalls, and other vegetation in the designated areas.
- C. Grubbing: Removing and disposing of stumps, roots, and other remains in the designated areas.
- D. Tree Trimming/Pruning: Cutting broken, damaged, or obstructing branches and installing wood dressing.

##### **1.04 SITE CONDITIONS**

- A. Work consists of removing trees and Site clearing as shown on the Drawings.
- B. Protect trees close to Work that are designated to remain but may be damaged by Work.

##### **1.05 SEQUENCING AND SCHEDULING**

- A. Install temporary erosion control measures prior to Work of this Section.
- B. Complete before or sufficiently ahead of on-going rough grading, excavation, backfill, and compacting for utilities.

## **PART 2 PRODUCTS**

NOT USED

## **PART 3 EXECUTION**

### **3.01 GENERAL**

- A. Review removals in the field with the City prior to doing Work.
- B. Assume multiple mobilizations for the Work of this Section.
- C. Stockpile soil to eliminate contamination with other on Site materials.

### **3.02 CLEARING AND GRUBBING**

- A. Clearing Trees: Cut off, remove, and dispose of trees and brush in the areas designated as a clearing operation. If grubbing is not required, cut tree six inches above the ground.
- B. Clearing Brush: Cut even with the ground surface.
- C. Grubbing: Remove brush, stumps, roots, and other remains
  1. Yard Areas: 1 foot below finished grade.
  2. Streets, Sidewalks, and Driveways: Remove in its entirety.
  3. Building slabs, Including Oversizing from Building Foundation: Remove in its entirety.

### **3.03 STRIPPING**

- A. After clearing and grubbing have been completed, strip sod and topsoil to a line 2 feet outside of areas to be occupied by structures, walks, roadways, areas to be excavated or filled, and other areas shown.
- B. Stockpile sufficient topsoil to re-spread at a uniform depth of 4 inches to all disturbed areas identified for seeding or sodding.
  1. Don't strip topsoil within the drip line (branch spread) of trees identified to remain.

### **3.04 DISPOSAL**

- A. Dispose of all cleared and grubbed material and debris at a location selected by the Contractor.
- B. Disposal site should be a properly designated landfill area as determined by appropriate governmental agencies or lands under direct control of the Contractor.
- C. Stripped materials not used for embankments shall be disposed off Site.
- D. On Site burial of any debris is not permitted.

### 3.05 PROTECTION

- A. Conduct operations so as not to damage surrounding private property.
- B. Protect trees intended to be saved from injury or defacement during operations.
- C. Exercise care to keep salvaged material as clean as possible during operations.
- D. Install temporary fencing at the construction limits and drip lines of trees to be protected prior to any construction activities in order to protect vegetation.