

## **SECTION 10**

### **CLEARING AND GRUBBING**

#### **10.1 DESCRIPTION**

##### A. General:

This work consists of clearing, grubbing, removing and disposing of vegetation and debris within the limits of the right-of-way, borrow and easement areas, except such objects designated to remain or to be removed in accordance with other sections of these specifications.

##### B. Related Work:

Section 7 - General Conditions  
Section 17 - Salvaging, Stockpiling, and Placing Topsoil  
Section 74 - Planting Trees, Shrubs, and Vines  
Section 75 - Transplanting Trees and Shrubs  
Section 201- Construction Stakes, Lines and Grades (Contractor Grade Staking)

#### **10.2 MATERIALS (not specified)**

#### **10.3 CONSTRUCTION REQUIREMENTS**

Unless otherwise provided for in the Bidders Proposal, under the bid item "Contractor Furnished Staking", the Engineer will establish right-of-way lines and construction lines and designate trees, shrubs, plants, and other objects to be removed. Vegetation and objects not marked for removal shall be preserved free from injury or defacement.

Surface objects, trees, stumps, roots, and other protruding obstructions designated for removal shall be cleared and/or grubbed as required. When authorized, the Contractor may leave stumps and nonperishable solid objects, which are located outside of the roadway and a minimum of three (3) feet below slope of embankments, provided they do not extend more than six (6) inches above the existing ground line or low water level.

Except in areas to be excavated, holes resulting from the removal of obstructions shall be backfilled with suitable material and compacted under the same specification as the embankment. All disturbed areas shall be permanently reclaimed.

Materials, debris, and perishables shall be disposed of at locations outside of the roadway and by methods approved by the Engineer. If disposal is by burial on the project, a cover material of at least twelve (12) inches shall be provided and the area shall be graded and shaped to the satisfaction of Engineer. If the disposal location is off the project, the Contractor shall make all arrangements with affected property owners in

writing for obtaining suitable disposal locations, which shall be outside the limits or view from the project. The cost involved shall be included in the unit price bid.

Timber which can be utilized for logs, posts, poles, ties, or cordwood, shall be considered as merchantable timber and shall be the property of the previous landowner unless otherwise specified.

Such timber shall, when so noted in the contract, be trimmed and cut into merchantable lengths and neatly piled adjacent to the right-of-way at locations designated by the Engineer. The Contractor will not be required to cut merchantable timber into lengths shorter than sixteen (16) feet.

Low-hanging, unsound, or unsightly branches on remaining trees or shrubs shall be removed as directed. Branches of trees extending over the roadbed shall be trimmed to provide adequate sight distance for vehicular or pedestrian traffic in accordance with City Ordinance and with good tree trimming practices.

All activities associated with this contract shall conform to the City of Rapid City Municipal Code Chapters 8.34 through 8.44 and Pennington County Ordinance #12, regarding air quality compliance.

#### **10.4 METHOD OF MEASUREMENT**

Measurement for clearing and grubbing trees and stumps over six (6) inches in diameter will be on a per each basis by actual count of such trees and stumps which are satisfactorily removed and disposed of. The diameter of trees and stumps will be measured two (2) feet above the ground. Old stumps extending less than two (2) feet above ground will not be counted. No more than one (1) tree will be counted from any one (1) stump.

Field measurement for the item of "Clearing" will not be made.

#### **10.5 BASIS OF PAYMENT**

The removal of trees and stumps over six (6) inches in diameter will be paid for at the contract price per each for the items "Clear and Grub Trees" and "Clear and Grub Stumps", respectively. When these items are not included in the contract, the removal of trees and stumps will be incidental to the lump sum payment for the item of "Clearing".

The lump sum payment for "Clearing" will be full compensation for the removal and disposal of vegetation and debris, except as provided above for trees and stumps over six (6) inches in diameter.

**END OF SECTION**