

**SECTION 02110**  
**CLEARING AND GRUBBING**

**PART 1 GENERAL**

1.01 WORK INCLUDED

- A. Clearing, grubbing, removal and disposal of vegetation, rocks, roots and debris within the limits of the work except objects designated on the drawings to remain.
- B. Preserve from injury or defacement all vegetation and objects to remain.

1.02 RELATED WORK

- A. Section 02050: Demolition
- B. Section 02200: Erosion Control
- C. Section 02210: Grading and Excavation
- D. Tree Protection

1.03 LIMITS OF WORK

- A. Rights-of-way area established by Engineer
- B. Construction area including the area bounded by lines five feet outside the construction lines established by Engineer.
- C. Approved borrow pit areas.
- D. Designated stockpiles of construction material other than borrow material.

1.04 PROTECTION

- A. Protect living trees not marked for removal and outside the construction area. Treat cut or scarred surfaces of trees or shrubs with a paint prepared especially for tree surgery.
- B. Protect benchmarks and existing structures, roads, sidewalks, paving and curbs against damage from vehicular or foot traffic.
- C. Maintain designated temporary roadways, walkways and detours, for vehicular and pedestrian traffic.

## **PART 2 PRODUCTS**

(NOT APPLICABLE)

## **PART 3 EXECUTIONS**

### **3.01 PREPARATION**

- A. Maintain benchmarks, monuments and other reference points. Re-establish if disturbed or destroyed at no cost to Owner.

### **3.02 CLEARING AND GRUBBING**

- A. Clear rights-of-way, borrow pit and other stockpile areas of objectionable material to the ground surface except for trees and stumps.
- B. Cut trees and stumps to within six inches of the ground surface or low water level in swampy areas where embankments are to be constructed provided undercutting or other corrective measures are not stipulated and approved by Town Engineer.
- C. Cut trees and stumps outside the construction area marked for removal by the Engineer to within six inches of the ground surface.
- D. Remove low hanging, unsound or unsightly branches on trees or shrubs designated to remain.
- E. Trim branches of trees extending over the roadbed to a clear height of twenty feet above the roadbed surface.
- F. Grub construction area of protruding obstructions except sound undisturbed stumps and roots six inches or less above the ground which will be a minimum of 5 feet below sub grade or embankment slope provided undercutting, topsoil stripping or other corrective measures are not stipulated.
- G. Grub borrow pit and stockpile areas of all objectionable material. Strip overburden over the material to be obtained in stockpile areas.
- H. Perform clearing and grubbing well in advance of construction or material removal activities.

### **3.03 BACKFILLING AND SURFACE PREPARATION**

- A. Backfill and compact all depressions resulting from clearing and grubbing with suitable materials in accordance with Section 02210.
  - 1. Backfill embankment areas to natural ground elevation.
  - 2. Backfill excavation areas below finished sub grade to finished sub grade.
- B. Perform backfilling a satisfactory distance ahead of construction operations.

- C. Prepare areas designated on the drawings to receive erosion control matting to smooth surfaces that have been shaped, fertilized, and seeded.

#### 3.04 DEBRIS REMOVAL

- A. Promptly remove cleared debris from site.
- B. Obtain permission from applicable regulatory authority for disposal of debris to waste disposal site.
- C. Obtain permit from Fire Marshall and Shelby County Health Department for burn pit.

END OF SECTION