

SECTION 02110
SITE CLEARING

PART 1. GENERAL

1.01 SECTION INCLUDES

- A. Furnish all labor, material and equipment to clear project construction easement area.
- B. Work shall include, but not be limited to, the following:
 - 1. Implement Erosion and Sedimentation Controls
 - 2. Shrubbery and Tree Removal
 - 3. Fence and Guide Rail Removal
 - 4. Pavement, Curb, Sidewalk Removal
 - 5. Miscellaneous Appurtenance Removal
 - 6. Top Soil Removal
 - 7. Salvage
 - 8. Disposal
- C. Definitions:
 - 1. Clearing is defined as the removal of trees, brush, down timber, rotten wood, rubbish, any other vegetation, and objectionable material at or above original ground elevation not designated to be saved. Clearing also includes removal of fences, walls, guide posts, guide rail, signs, and other obstructions interfering with the proposed work.
 - 2. Grubbing is defined as the removal from below the surface of the natural ground of stumps, roots and stubs, brush, organic materials and debris.

1.02 RELATED SECTIONS

- A. Section 01010 - Summary of Work
- B. Section 01390 - Color Audio-Video Electrography
- C. Section 01500 - Construction Facilities and Temporary Controls
- D. Section 01570 - Traffic Regulation
- E. Section 02225 - Excavating, Backfilling and Compacting for Utilities

1.03 REFERENCE

- A. Erosion & Sedimentation Pollution Control Plan

1.04 REGULATORY REQUIREMENTS

- A. Conform to applicable Federal, State, and Local codes for disposal of debris and burning debris on site.

- B. Coordinate clearing Work with utility companies as applicable.

1.05 JOB CONDITIONS

- A. Dust Control: Use all means necessary to control dust on and near the Work and on and near all off-site borrow areas if such dust is caused by the Contractor's operations during performance of the Work or if resulting from the condition in which the Contractor leaves the site.
 - 1. Thoroughly moisten all surfaces as required to prevent dust from being a nuisance to the public, neighbors, and concurrent performance of other work on the site.
 - 2. No tracking of dirt, mud, or debris onto streets or state highways shall be allowed. Any such occurrence shall be cleaned immediately.
- B. Contractor shall comply with the provisions of PA Legislative Act 287, as amended.

1.06 PROTECTION

- A. Protect utilities that remain from damage.
- B. Protect trees, plant growth, and features designated to remain as final landscaping.
- C. Protect bench marks and existing structures from damage or displacement.
- D. Protect fences, guide rail, shrubbery, trees, signs and any other items removed and designated to be preserved for reuse.

PART 2. PRODUCTS

2.01 SEDIMENTATION CONTROLS

- A. Silt Fence
- B. Straw Bales
- B. Miscellaneous Erosion Control Materials as may be specified.

PART 3. EXECUTION

3.01 GENERAL

- A. When working within construction or permanent Rights-of-Way, use every means possible to protect from injury and damage all property, including trees, shrubbery, lawns, fences, buildings, walls, roads, water courses, natural features or any improvements thereto which may exist. Do not willfully or maliciously injure or destroy trees, shrubs, or vegetation, and do not remove or cut them without permission of the Owner.
- B. All operations must be confined to the width of the Rights-of-Way secured by the Authority from the Owner. All damage done to property resulting from the Contractor's negligence shall be repaired without charge to the satisfaction of the Owner with the exception of those items (trees, shrubbery, etc.) that must be removed for construction and have been agreed upon beforehand, in writing, between the Authority and Owner.

3.02 VIDEO TAPING

- A. Based on the type and location of Rights-of-Way, the Authority may require video taping of site and if so, will specify.

3.03 CLEARING

- A. Clear areas required for access to site and execution of Work.
 - 1. Limits of clearing shall be kept to the absolute minimum to limits staked on the ground by the Authority Engineer after the Pre-Construction meeting.
- B. Trees in construction zones or Rights-of-Way shall not be removed until inspected and/or tagged by the Owner or his Representative. No trees or vegetation shall be removed or altered within PennDOT's Rights-of-Way unless a separate specific permit is obtained from the District Roadside Development Specialist authorizing such removal or alteration.
 - 1. No trees shall be removed within the construction zone or Rights-of-Way except the following:
 - a. Trees within an excavated area such as footing or trench.
 - b. Trees whose root system will be destroyed by the excavation.
 - c. Trees that interfere with the movement of the Contractor's equipment with the approval of the Authority. Any trees that interfere with the movement of the Contractor's equipment shall be reviewed by the Authority before they are removed.
- C. All trees bordering any construction zone or Right-of-Way shall be protected by acceptable methods. Trees damaged by the Contractor will be either repaired or replaced as determined by the Owner and Authority at the Contractor's expense.
- D. Shrubbery within the areas to be cleared, which may be designated to be saved by the Owner, shall be removed and preserved for replanting.
- E. All debris and organic material produced in clearing shall be removed from site to preclude being used as backfill material.
 - 1. Topsoil, if any, is the property of the Owner and shall be stocked for use in landscape restoration.

3.04 TRIMMING OF TREES

- A. When required, with the Owner's approval, trees shall be trimmed to remove branches or roots which interfere with construction or traffic. Paint all cut branches and roots with wound paint as recommended for the application.

3.05 FENCES, GUIDE RAIL AND SIGNS

- A. Contractor shall carefully remove and preserve for reinstallation all fences, guide rail and signs which interfere with Work within the Rights-of-Way.
- B. All items damaged during removal and unsuitable for reuse shall be replaced by the Contractor at

no expense to the Owner or Authority.

3.06 SALVAGE

- A. Material which is to be salvaged, as a result of the clearing operations, shall include the following items which are to be turned over to the property owner if the property owner so desires.
 - 1. Logs over 12 inches, butt diameter.
 - 2. Branches over 6 inches, butt diameter.
 - 3. Parts suitable for use as mulch.
 - 4. Live plants suitable for replanting.

- B. All salvageable material not desired by the property owner shall be removed as part of the Work. Cut logs and branches into cord wood, 2 feet 6 inches in length and store on site where acceptable to the Authority.

3.07 DISPOSAL

- A. Burning of materials on the site will be controlled by codes or ordinances.

- B. Removal:
 - 1. Material to be removed shall be removed from the site daily as it accumulates.

- C. Dumping:
 - 1. When authorized by the Authority, material may be dumped within the Contract area at specifically identified locations.

 - 2. Prior to depositing surplus material at any off-site location, the Contractor shall obtain a written agreement between himself and the Owner of the property on which the disposal is proposed. The agreement shall state that the Owner of the property gives permission for the Contractor to enter and deposit the material at no expense to the Authority. A copy of the agreement shall be furnished to the Authority. Contractor's disposal shall comply with all Federal, State, and Local laws and regulations. Disposal of surplus material within PennDOT's Rights-of-Way is prohibited. All surplus material must be disposed of as the Work progresses and shall not be stored on PennDOT's Rights-of-Ways for future removal.