

**SECTION 02112
RESTORATION**

PART 1 GENERAL

1.1 RELATED DOCUMENTS

- A. Drawings and General Provisions of Contract, including General Conditions and other Division 1 Specifications Sections, apply to this Section.

1.2 SUMMARY

- A. The Contractor shall replace and/or restore to the condition existing immediately prior to construction or better than this condition, all signs, mailboxes, topsoil, lawns, bushes, sprinkler heads, shrubs, curb boxes, covers, trees, fences, fields, walls, walks, driveways, curbs, incidental works, or any and all other property removed or harmed in any way by reason of work done under this Contract except pavement repair or any item excepted elsewhere in the Contract Documents.
- B. Restoration is divided into two categories:
 - 1. Non-maintained areas are defined as pastures, orchards, open-field, woodlands or other areas which are not regularly maintained by the property owner.
 - 2. A maintained area is defined as a lawn, garden, shrub area, drive, walk or other surface or surface structures, all of which are maintained in a regular fashion.

1.3 RELATED SECTIONS

- A. Section 02115 – Erosion and Sedimentation Control
- B. Section 02200 – General Earthwork
- C. Section 02920 – Screened Topsoil and Borrow Topsoil
- D. Section 02931 - Lawn
- E. Section 02950 – Planting
- F. Construction Drawings

PART 2 PRODUCTS

NOT USED

PART 3 EXECUTION

- A. In restoring Non-maintained and Maintained areas the Contractor shall:
 - 1. Replace to an equivalent depth any topsoil that has been removed during the excavation, but not less than that specified in "Topsoil."
 - 2. Remove from the property all trees, brush and other items that the Contractor has cut in order to perform his work and dispose of the materials in a fashion approved by the Engineer.

3. Remove from the property upon completion of the Work or soon as directed by the Engineer all excess materials of construction such as stone, pipe, concrete block, gravel, etc. that the Contractor may have stockpiled for use during the course of the Work.
 4. Leave the land in smooth, even condition. All ruts, holes or other undesirable grading conditions which resulted from work under this Contract shall be filled and the area so graded to eliminate ponding. All drainage courses shall be restored to their pre-existing condition or better.
 5. Fertilize and seed those areas where the original ground cover was removed or disturbed by operations under this Contract, as specified in Section 02931 "Lawn" and 02950 "Planting."
 6. Reset all public or private monuments, iron pipes, curb boxes, manhole covers, sprinkler heads and piping and all types of property line and geodetic markers damaged or disturbed by operations under this Contract. This work will be done by a licensed land surveyor or authorized agent approved by the Engineer - all at no additional cost to the Owner.
 7. Repair, reset or replace as directed by the Engineer, all walks, driveways, curbs, pipes, walls, utilities, fences, railings, stone walls, etc., and ornamental or utilitarian domestic accessories, such as but not limited to arbors, fireplaces, sheds, or other surfaces, structures, or property which may have been damaged, either directly or indirectly by his operations under this Contract.
 8. Walks and driveways shall be equivalent to that removed but in no case shall concrete or bituminous concrete walks and driveways be of less quality than that shown on the Contract Drawings.
- B. In addition within Maintained Areas, the Contractor shall:
1. Unless otherwise approved or indicated, replace in kind all trees and cultivated bushes and shrubs which must be removed for construction. The Contractor shall not be required to replace in kind trees of more than 3 inch caliper. Trees over this caliper shall be cut and removed as approved by the Engineer. For any such trees cut and removed, the Contractor shall replace them with a tree of like or approved kind, of 2-1/2 to 3 inch caliper, planted in a location as directed by the property owner but not more than 100 feet from the original tree's position.
 2. Notify each property owner of the cultivated trees and shrubs scheduled for replacement or transplanting as ordered by Engineer. The Contractor shall then implement the planting/transplanting program to the satisfaction of the property owner and Engineer. However, in no case shall trees be planted within 10 feet measured horizontally at the edge of a new pavement or new underground pipe line. The Contractor will not be required to plant or transplant any shrub or tree over 200 feet away from its original location. Responsibility for successful plant or transplanting rests with the Contractor, and any trees or shrubs that do not survive planting or transplanting shall be replaced to the satisfaction of the owner by the Contractor at the Contractor's expense. However, no tree or shrub required for replacement shall be over 3 inch caliper.
- C. Prior to construction, the Contractor will carefully identify for inspection, by flagging, all trees and cultivated bushes and shrubs which shall be scheduled for transplanting. No trees or shrubs shall be transplanted without prior inspection and approval by the Engineer or his

representatives. No trees, shrubs or bushes shall be cut or removed without notification of the owner unless specifically called for in the Contract Drawings.

All landscaping work, transplanting, planting, etc., within the limits of maintained areas, will be done by a Landscaping Contractor or Sub-Contractor.

All work under this section shall conform to applicable sections of these specifications and the Standard Specifications.

END OF SECTION 02112