

SECTION 015639

TEMPORARY TREE AND PLANT PROTECTION

PART 1 - GENERAL

1.1 Summary

- A. **Protection of existing vegetation during construction:** Extents and methods of tree and plant protection shall be coordinated with and approved by the Grounds Section through the Project Manager.
- B. **Vegetation which requires protection** includes but is not limited to: existing trees to remain in place during construction, existing landscape areas scheduled to remain, newly planted landscape areas adjacent to construction activities.
- C. **Clearing operations:** Extents of clearing shall be indicated on the construction documents and approved by the Grounds Section through the Project Manager. Approved protection systems including fencing and other barriers shall be installed prior to clearing to protect existing vegetation. See Division 1—General Requirements for guidelines relating to Tree Removal.
- D. **Replacement of trees and plants damaged during work:** Repair construction damaged areas to match original condition or approved equal condition as directed by the Grounds Section.
- E. **Related specifications** are included in Division 1-General Requirements, Division 2-Sitework, and Section 329210 Plant Salvage.

1.2 Performance Requirements

- A. Identification, requirements/means of protection, and maintenance of existing vegetation within protected areas shall be included in the construction documents and reviewed by the Grounds Section during Design Development. Include ALL existing vegetation to be protected in the Plant Salvage Plan required by Section 32910.
- B. Clearing operations, heavy equipment operation, materials storage, and other site operations around protected vegetation shall employ practices which do not disturb or damage trees or plants within the protected area.
- C. New landscape areas planted prior to the completion of construction activities shall be protected from ongoing construction via an approved protection system.
- D. All new and existing vegetated areas shall be protected until project Final Completion.
- E. Plant materials inside the protected areas shall be watered and maintained per the Plant Salvage Plan.

1.3 Submittals

- A. Submittals shall include but are not limited to: Plant Salvage Plan, Tree Protection Plan, Sample Warranties.

1.4 Warranty

- A. Provide comprehensive replacement warranty for all protected materials for a period of (12) months after project acceptance or Final Completion.
- B. All remedial or restoration work provided under the terms of the project warranty shall utilize species identical in size and characteristics of the damaged material unless otherwise approved by the Grounds Section. Warranty work shall include costs of all materials and labor.

PART 2 – PRODUCTS

2.1 Protection Materials

- A. Burlap: utilize only untreated burlap fabric.
- B. Mesh Fence Fabric: 4' high, orange mesh barrier or approved equal.
- C. Fence Posts: 6' length TEE stud w/metal flange or approved equal.
- D. Other: as required by Grounds Section to accommodate specific conditions.

PART 3 – EXECUTION

3.1 Identify areas requiring tree and plant protection and include in the Design Development Documents for approval. Include documentation of species, sizes, approximate age, condition, and other characteristics necessary to define protection requirements. Include a plan for protection of existing tree root systems. See graphic at the conclusion of this section.

3.2 Develop, submit, and maintain a protection plan utilizing approved barrier and fabric systems. The protection plan shall be approved during the construction documents submittal and should be reviewed on site with the Grounds Section during the Pre-construction meeting.

3.3 Protection systems shall be installed prior to construction mobilization or commencement of any construction activity.

3.4 Do not utilize the protected area for ANY construction activities to include: parking, traffic of any kind, storage of materials, trash or debris. Do not store excavated soil inside the protected area. Where the use of construction equipment can not be avoided inside the protected area, notify the Grounds Section via the Project Manager for assistance in determining proper protocol.

3.5 Excavation/trenching methods in areas adjacent to protected zones shall be discussed relative to the need for hand excavating or boring.

3.6 At the end of construction, all protected areas shall be returned to their original condition or an improved condition as specified by the construction documents. Repair or replacement of existing materials is subject to the acceptance of Grounds and the Project Manager and shall be at no cost to the project.

