

SECTION 02231

TREE PROTECTION AND TRIMMING

PART 1 GENERAL

1.1 DESCRIPTION

A. Scope Of Work

The work includes labor, equipment, and materials necessary for existing tree protection and trimming.

1.2 RELATED WORK

A. Related Work Specified Elsewhere

Coordinate related work specified in other parts of the Project Specifications, including but limited to the following:

1. Site Preparation
2. Grading, Embankment, and Backfill
3. Demolition
4. Site Improvements

1.3 QUALITY ASSURANCE

A. Standards

Code of Standards of the American Association of Nurserymen in the American Standard for Nursery Stock and National Arborist Association Standards for Pruning and Buying of Shade Trees.

1.4 PROJECT CONDITIONS

A. Existing Conditions

1. Carefully examine the site before submitting a bid. Be informed of the site conditions including adjacent properties, utilities, and soil conditions.
2. Should the Contractor find any discrepancies between Drawings and physical conditions, inform the Owner's Representative immediately for clarification.

1.5 TREE PROTECTION

- A. Protect all trees and other plant material scheduled to remain. Do not park any vehicles or equipment, store materials or stockpiled soil, dispose of building materials, chemicals, petroleum products, or other detrimental substances within limits of tree protection fencing of any existing tree to remain. Protect existing trees from flame, smoke, and heat. Construction access to site shall not occur beneath drip line of existing trees until special provisions have been met to protect all existing vegetation to remain. The Contractor shall be responsible for all damage to existing trees and plant material during construction. All clearing and grubbing or excavation within limits of tree protection fencing shall be done by hand methods.
- B. Provide protective temporary fencing during the work as necessary to protect existing vegetation to remain.

1.6 FAILURE TO PRESERVE TREES

- A. If the Contractor damages or destroys an existing tree, shrub and/or groundcover which he/she has been directed to preserve due to failure to comply with Specifications and Drawings, the Contractor shall replace it with trees at twelve (12) foot height, shrubs at twenty-four (24) inch height and groundcovers at one (1) gallon containers spaced at eighteen (18) inches on center with same plant species, size and grade, with a healthy tree and/or shrub acceptable to the Owner, and the contractor shall guarantee that the tree, shrub and/or groundcover shall live for a period of one (1) year from Owner's Acceptance.
- B. Remove any damaged and destroyed trees from the site. All trees are not to be removed unless evaluated by the Landscape Architect prior to being cut down and removed from the site. Grub stumps and repair the ground surface. All costs shall be borne by the Contractor.

PART 2 PRODUCTS

2.1 PRODUCTS AND EQUIPMENT

- A. As required for work involved.

PART 3 - EXECUTION

3.1 PREPARATION

- A. Flagging Of Existing Trees
 - 1. Do not park any vehicles or equipment, store materials or stockpiled soil, dispose of building materials, chemicals, petroleum products, or other detrimental substances within limits of tree protection fencing of any existing

tree to remain. Protect existing trees from flame, smoke, and heat. Construction access to site shall not occur beneath drip line of existing trees until special provisions have been met to protect all existing vegetation to remain.

3.2 EXISTING TREES TO REMAIN

A. GENERAL

1. Restrict foot and vehicular traffic over root systems to prevent excessive compaction of soil.
2. Existing individual trees and planting areas shall be protected by a temporary six (6) foot high chainlink fence in areas where construction activity is to take place. Install fencing demolition before site preparation, grading, clearing, and grubbing operations.
3. Under no circumstances shall the Contractor, for the convenience or ease of construction, remove or damage existing trees or shrubs.

3.3 PRUNING/TRIMMING OF EXISTING TREES

A. REMOVAL AND PRUNING

1. Removal and pruning shall be accomplished in such a manner as not to damage existing utilities, landscaping or other permanent improvements to remain. Any damage to existing improvements shall be repaired or the item replaced or otherwise restored to the satisfaction of the Owner's Representative and Owner at the Contractor's expense.
2. Where designated by these Specifications or the Owner's Representative and the City Representative, the Contractor shall utilize an International Society of Arboriculture Certified Arborist to carefully and skillfully trim, prune and remove extraneous limbs, growth, brush or vegetation adjacent to the work to facilitate construction in such a manner as to enhance the appearance of the plantings without disfiguring them. All trees and shrubs designated to remain shall be pruned per ANSI-A300 1995 Plant Maintenance Standards as indicated on the "Tree/Shrub Pruning Detail".
3. Contractor may grind up all limbs, brush, trimmings, debris, etc. and miscellaneous organic matter into medium course organic. Spread on site (in non-planted areas) under field direction of the Owner's Representative or remove from site. (Contractor's Option).

END OF SECTION