

## SECTION 31 13 00

### TREE PROTECTION AND TRIMMING

#### PART 1 GENERAL

##### 1.1 SUMMARY

- A. The work of this section pertains to existing trees, along the perimeter of proposed development, that are noted to remain and will be effected by the surrounding work. These trees must be protected in the specified manner from the beginning of the project until Owner acceptance.
- B. Trimming of the trees noted to remain is to be completed by nursery personnel trained in tree surgery and having a minimum of 5 years experience in the field. Trees noted to remain and have work occurring within the drip line which will change the existing grades or will result in the removal of a portion of the root system will be professionally trimmed to minimize the effect of the damage. Damage to and/or removal of roots should be kept to a minimum and the tree crown should be trimmed proportionally.
- C. The Contractor shall stake the work occurring around trees and have tree roots and crown trimmed before commencing any work .

##### 1.2 SHOP DRAWINGS / SUBMITTALS

None required.

##### 1.3 COORDINATION

- A. Coordinate tree trimming work with the project schedule such that access to the trees for trimming is not hindered and such that no other work is endangered by falling limbs. Once tree trimming is complete place tree protection equipment and devices as specified. Field verify with Architect, trees to be protected

#### PART 2 PRODUCTS

This part not used.

#### PART 3 EXECUTION

##### 3.1 GENERAL REQUIREMENTS

- A. Tree protection measures are to prevent damage to the existing trees and include the roots, trunk and crown. Protection measures should be adequate to minimize the possibility of accidental damage and should remain intact throughout the project construction.

### 3.2 PROTECTION MEASURES

#### A. Roots

After trimming (if necessary) has been completed, place metal posts and temporary fencing along the tree line. Fencing should be located at the drip-line of the tree, or at the extent of the root system in the case of a trimmed tree.

#### B. Trunk

Provide a complete barrier protecting the trunk from the ground to the first major branch. This may consist of 2 x 4's placed vertically and edge-to-edge around the tree and secured with wire or rope.

#### C. Crown

Physical barriers are generally not feasible at this level, however, care should be exercised in the operation of power equipment in the area of the tree. Extent of construction should be estimated and trees trimmed accordingly so that the tree crown is not damaged.

#### D. The Contractor shall stake the work occurring around trees and have tree roots and crown trimmed before commencing any work .

### 3.3 PROCEDURES

#### A. Comply with the requirements of Article - SAFETY REQUIREMENTS GENERAL CONDITIONS of the specifications. Perform tree trimming in such a manner as to eliminate hazards to persons and property and to minimize interference with use of adjacent areas or structures.

Provide safeguards, including warning signs, barricades, temporary fences, warning lights, etc., that are required for protection of all personnel during operations.

#### B. Care shall be taken to prevent spread of flying particles and dust. Sprinkle rubbish and debris with water to keep dust down to a minimum.

#### C. Debris shall become the property of the tree trimming subcontractor and shall be disposed of by him off the site unless specifically noted otherwise.

#### D. On completion of the work of this section and after removal of all debris, site shall be left in clean condition satisfactory to Owner's representative.

END OF SECTION

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