

Note to Designers: Please modify the Scope of Work below to the specific services needed from the Arborist for each project.

GENERAL

The work under this Item is for the services of a Certified Arborist. Arborist shall be an International Society of Arboriculture (ISA) Certified Arborist or a Massachusetts Certified Arborist. The Arborist shall have at least 10 years of experience in tree care, including tree protection during construction, and shall demonstrate a familiarity with the American National Standards Institute (ANSI) A300 Standard Practices for Tree, Shrub, and Other Woody Plant Maintenance Part 1 Pruning, Part 5 Construction Management Standards, Part 8 Root Management, and Part 9 Tree Risk Assessment.

The Arborist's general responsibilities include protecting high priority trees within and adjacent to the project limits, staging areas, and access routes; recommending removal of diseased, damaged or otherwise unhealthy trees that pose a potential safety hazard; evaluating effects of construction on future health of trees close to proposed work; and recommending and/or overseeing tree work and care.

The Arborist for this item shall not be from the same company as the company responsible for tree removal work.

For projects with multiple phases, projects where construction activities (work or stockpiling) shifts, or when otherwise required by the Engineer, the Arborist shall re-evaluate conditions and provide follow-up recommendations.

SUBMITTALS

Contractor shall submit to the Engineer for approval by the Landscape Architect the qualifications and experience of the Arborist. Submittal shall include a copy of current certification(s) and a resume summarizing specific construction experience, citing a minimum of five projects.

Arborist's Report documenting recommendations shall be submitted to the Engineer and an electronic copy forwarded to the Landscape Architect.

SCOPE OF WORK

The Arborist shall be responsible for the following tasks:

Designer: Select, remove or otherwise modify as appropriate to project. Not all items are typically needed in all projects with an Arborist.

- Initial Evaluation and Report
 - recommend and prioritize trees that require removal as appropriate to Contract scope, project limits, and project intent;
 - review and modify, if necessary, tree protection measures shown on the Plans;

- review and mark limits of protective fencing for trees and groups of trees to be retained;
- review and recommend protection measures for high priority trees;
- submit a marked-up Construction Plan that briefly notes recommendations and decisions made in the field;
- submit a corresponding report including photo documentation;
- Oversight
 - direct or execute pruning of branches and/or roots, hand excavation / air spading, and/or other tree care operations.
- Monitoring and Inspections
 - periodically inspect fencing and ensure root zones are properly protected and clear of equipment and materials as required by the Engineer;
 - reevaluate tree protection measures for various phases of a project;
 - submit inspection notes with relevant and dated photos to the Engineer.
- Special Care
 - oversee tree pruning for health and aesthetics;
 - recommend fertilization and amendments;
 - recommend and oversee pest control.

METHODS

Prior to any work, the Arborist shall walk the site with the Contractor, the Engineer, the City's Arborist / Tree Warden, and the Landscape Architect, to review trees, limits of construction activities, and other concerns. Where required for proper assessment of tree impacts, limits of work shall be staked or otherwise marked in the field prior to the site walk.

Trees to be removed shall be painted or otherwise marked.

Trees to be retained shall be marked such that it does not mar or damage the tree and such that marker is not easily removed. As applicable to the work and scope of the project, trees designated for removal or to be retained shall be noted on the plan and/or in the arborist's report and photographed.

Trees designated to remain that are damaged or removed by construction activities shall be noted and photographed for inclusion in inspection reports submitted to the Engineer.

METHOD OF MEASUREMENT

Arborist will be measured for payment by the Hour of time spent onsite.

BASIS OF PAYMENT

Arborist will be paid at the contract unit price per Hour of time spent onsite, upon submission and acceptance of Reports described above, which price shall include all labor, materials, equipment, and incidental costs required to complete the work. No separate payment will be made for time spent working on reports, but all costs in connection therewith shall be included in the Contract unit price bid.