

CITY OF ALBANY

Standard Specifications Technical Provisions

Section 22

Tree Trimming & Stump Removal

22-1 General — As work under this contract shall be performed in accordance with these Provisions and the Standard Drawings.

- A) Contractor shall notify in writing residents adjacent to the work 48 hours prior to commencing work adjacent to their property.
- B) Unless arrangements are made otherwise with the property owner, access to driveways shall be maintained.
- C) Contractor shall furnish water as required for the job at no cost to the City, except as provided in the contract items of work. Use of homeowner's water shall be only upon written consent of the property owner.
- D) The Contractor shall have, at all times, a Certified Arborist on staff and supervising the work. The Contractor shall submit the Arborist's resume to the City with the Contract Bid Proposal.

Quantities of work are shown for estimating purposes only. The City reserves the right to increase or decrease any quantity or to eliminate any item of work. No adjustment will be made in unit prices for any such increase, decrease, or deletion regardless of the percentage of such adjustment. Final payment will be made on the basis of contract unit prices for work actually accomplished.

Trees shall be trimmed to accomplish the following: to select and develop permanent scaffold branches that are smaller in diameter than the trunk or branch to which they are attached, which have vertical spacing from 18 to 48 inches and radial orientation so as not to overlay one another; to eliminate marrow V shaped branch forks that lack strength; to reduce toppling and wind damage by thinning out crowns; to maintain growth within space limitation; to maintain a natural appearance; to balance crown with roots; all pruning cuts should be made to lateral branches or flush with the trunk. Under no circumstances should "stubbing" ever be performed.

22-2 Tree Pruning — The Contractor shall perform the following services in a professional workmanship like manner consistent with all appropriate rules of Safety.

- A) Follow the shape suggested by the natural growth habits of each tree species.
- B) Cut to laterals to preserve the natural form of the tree, leaving the head open enough for the branching system to show and permit dead material to be easily cleaned out and light to show through the head. Tree foliage shall not be reduced by more than 20% to 30%.
- C) All limbs one inch in diameter or over shall be undercut to avoid splitting. Where there is a chance of the bark tearing at the crotch, remove large limbs with the crotch.
- D) Trim to clear energized lines a minimum of two (2) feet, remove dead wood, hazardous branches, weak diseased, insect infested, broken, low or crossing limbs and all suckers, shoots and ivy. Branches with an extremely narrow angle of attachment shall be removed. Any structural weakness, decayed trunk, or branches shall be reported to the Superintendent.
- E) The Contractor shall provide for proper vehicle clearance at curb, both in height of lower branches and extension of branches into the street. Height clearance at the curb shall be fourteen (14) feet from street level.
- F) The Contractor shall allow adequate clearance for pedestrians to walk under the tree without concern for personal injury. Final head clearance shall be twelve (12) feet (minimum) as balance to curb pruning as possible.
- G) On trees known to be diseased, pruning tools as well as cut surfaces shall be disinfected with a ten percent (10%) chlorine bleach solution or sterilant after each cut and between trees where there is danger of transmitting the disease on tools.
- H) Pruning with hand pruners will be permitted. Small limbs, including suckers and water spouts, shall be cut close to the trunk or branch from which they arise.
- I) Trees with dense foliage surrounding street lights shall be opened to allow light to penetrate through the head.
- J) Pruning around high voltage transmission lines shall be done by a certified and qualified line clearance tree trimmer.

The Contractor should avoid any encroachment on adjacent properties and repair

and make good any damage caused to public or private property as a result of the work described in this contract. The Contractor will have an office or job site location where the person in charge of this project can be reached. The Supervisor for this project will be made known to a representative of the City of Albany so that he may be contacted immediately during working hours. In accordance with the project the Contractor will prepare a schedule for the entire project. This schedule shall be the basis for establishing the starting and completion dates of the work described in this project. It will be the responsibility of the Contractor to conform to the approved schedule and to arrange work in such a manner that it will be performed in accordance with the schedule. The Contractor will submit the final application for payment in accordance with procedures and requirements stated in the conditions of the Contract. The Contractor will take care not to damage existing surfaces and public and private property.

The Contractor will leave all portions of the work area in a safe, clean and sanitary condition satisfactory to the Director of Public Works.

22-3 Tree Stump Removal — Unless otherwise specified in the contract, special provisions or drawing, tree stump removal shall be as specified herein.

Stumps shall be removed by method approved by the City and in a manner as not to damage existing improvements.

The stump removal shall include the removal of the root ball to a depth of 24-inches below the existing curb grade or natural grade where no curbs exist, and to a minimum horizontal area of 18-inches each side of the center of the stump, or curb to sidewalk in the one direction when the planter strip is less than 36-inches wide.

After removal of the stump and root ball, the area shall be backfilled with topsoil to a minimum relative compaction of 85%.

Where existing improvements interfere with the stump and root ball removal, or when the Contractor desires to do so to facilitate his work, the improvements shall be removed and replaced in kind, at no additional expense to the City.

Removal and replacement of existing improvements by the Contractor shall be in accordance with the sections of these Standard Specifications, at no additional expense to the City.

The Contractor shall be responsible for notifying USA prior to work and the verification and protection of all existing subsurface improvements.

22-4 Measurement — Measurement shall be as indicated in the bid proposal. In general, trees shall be measured on a per each basis when listed by specific address. When tree trimming is listed in this bid proposal by “zone” or by entire “street,” the measurement shall be on a lump sum basis. Such lump sum shall include all City-owned

trees within the zone s indicated on the contract drawings and all trees on a designated street (both sides). When no limit is specified for the beginning and end of work on the street specified, it shall mean city limit to city limit as that designated street.

22-5 Payment – The Contract unit or lump sum prices shall be considered as including full compensation for furnishing all labor, materials, tools, equipment and incidentals required to complete the contract items of work, including but not limited to removals, hauling, disposal costs and clean up.