



# Urban Forestry Services

## BARTLETT CONSULTING

Divisions of The F.A. Bartlett Tree Expert Company

### Scope and Fee Proposal

DATE: March 4, 2022

**PREPARED FOR:**

**Friends of the Troll's Knoll**

Attn: Leo Griffin, President

3830 Linden Avenue N.

Seattle, WA 98103

Email: FremontTrollsKnoll@gmail.com

Phone: 206-295-1599

**PROJECT:**

**Seattle Parks Foundation Project – Tree Inventory**

904 N. 36<sup>th</sup> Street

Seattle, WA 98103

**TYPE OF SERVICE:** A tree inventory, health and risk assessment, and planting and management recommendations for the parcel informally called 3600 Troll Ave. North as shown in Map 1. Up to 90 existing trees with a trunk diameter of at least 3 inches on the parcel and four trees in the public right of way immediately south of the parcel will be included in this assessment. Work will be completed and the deliverables submitted by the end of April 2022. All UFS|BC consultants on the site will follow the City of Seattle COVID-19 vaccination requirements. The client will provide a site plan with surveyed tree locations prior to the start of field work.

For the project property, Urban Forestry Services | Bartlett Consulting (UFS|BC) will provide the services outlined above for up to 90 trees identified by the client. The following are the specific scope of services provided:

#### **Scope of Services**

##### ***Task I – UFS|BC Onsite tree evaluation***

Onsite services for each individual tree will include:

- A. Location
- B. Species
- C. Size (DBH, dripline, critical root zone)
- D. Condition and Viability
- E. Comments (e.g. limits of disturbance, susceptibility to proposed site changes, transplant suitability)
- F. Risk rating
- G. Preservation value and Protection Status (e.g. significant, exceptional, grove)
- H. Numbered tag for all significant trees
- I. Photos

##### ***Task II – Arborist Report***

- A. An Arborist Report that summarizes all the data sampled in Task I and includes a Tree Inventory Site Plan showing the location of assessed trees and their numbering system using the surveyor's site plan provided the client. Trees with a higher risk rating will be highlighted on the site plan.
- B. A Tree Assessment Matrix with detailed measurements and photos of each tree.
- C. A Tree Assessment Table with most relevant data for each tree in tabular form.

15119 McLean Road  
Mount Vernon, WA 98273

- D. General tree protection guidelines for trees during construction. Specific recommendations for individual trees upon receiving a site plan with proposed changes.
- E. Planting recommendations for additional trees in suitable planting sites and understory plants in areas with existing trees. Includes species, spacing, and establishment practices.

**TOTAL NOT TO EXCEED FEE ESTIMATE** **\$4,800.00**

The fees described above include all travel, communications, materials, and on-site work as described and outlined in the preceding Scope of Services. This Scope of Services and, if applicable, Not to Exceed Fee(s) attempts to consider all encounterable factors known at this time to provide the described services.

Urban Forestry Services | Bartlett Consulting's services for the Scope of Services described above will be considered completed upon delivery of the Arborist Report.

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***Additional Scope of Services and Fees:***

If additional Scope of Services is added by the client such as tree inspection, inventory, and assessment, plan changes, document review, meeting(s), telephone and email consultation, or attendance at hearings the client shall be billed at the following hourly rates:

Principal Consultant	\$175	per hour
Associate Consultant	\$175	per hour
Technical	\$95	per hour
Administrative	\$65	per hour
Mileage	\$0.585	per mile

***Condition(s) of Proposal:***

The client must inform Urban Forestry Services | Bartlett Consulting of any additional requirements, including all insurance requirements, such as requests for Certificates of Insurance, or specific terms and conditions, which may affect the pricing of this proposal and the work. If additional requirements do affect the costs associated with performance, Urban Forestry Services | Bartlett Consulting reserves the right to reissue a new proposal with revised pricing for acceptance.

This proposal shall remain in effect for 45 days.

***Notice of Right to Cancel:***

You, the client, may cancel this transaction, without penalty or obligation, at any time before midnight of the third business day after the date of the acceptance of this proposal. To cancel your acceptance of this proposal within this time, you may notify Urban Forestry Services | Bartlett Consulting, in writing of your intent to do so, referencing the project and work location.

***Additional General Terms:***

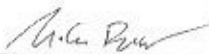
After reviewing the additional general terms provided with this proposal, which become part of this agreement, please sign, and return a copy. If the client should issue additional work authorization terms, if agreed upon, such terms will be incorporated into this agreement. If such terms conflict with this agreement, then the terms of this agreement shall govern over any conflicting language. Should you have any questions or need further information, please contact me directly at 360-503-9654.



**Offer:**

Urban Forestry Services | Bartlett Consulting will perform the above-referenced service in a safe, professional manner, per all laws, rules, regulations, and industry standards governing tree care.

Urban Forestry Services | Bartlett Consulting Representative:



Date:

March 4, 2022

Printed Name:

Miles Becker

Miles Becker, Consultant  
ISA Certified Arborist® #PN-7808A  
ISA Tree Risk Assessment Qualified

**Authorization to Proceed:**

I hereby authorize Urban Forestry Services | Bartlett Consulting to perform the above services. Unless otherwise agreed upon in writing by Urban Forestry Services | Bartlett Consulting, I agree to make a total payment of the estimated costs and all authorized additional costs upon completion of the work.

Friends of the Troll's Knoll Signature:



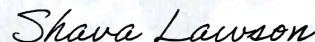
Date:

March 8, 2022

Printed Name:

Leo Griffin

Seattle Parks Foundation Signature:



Date:

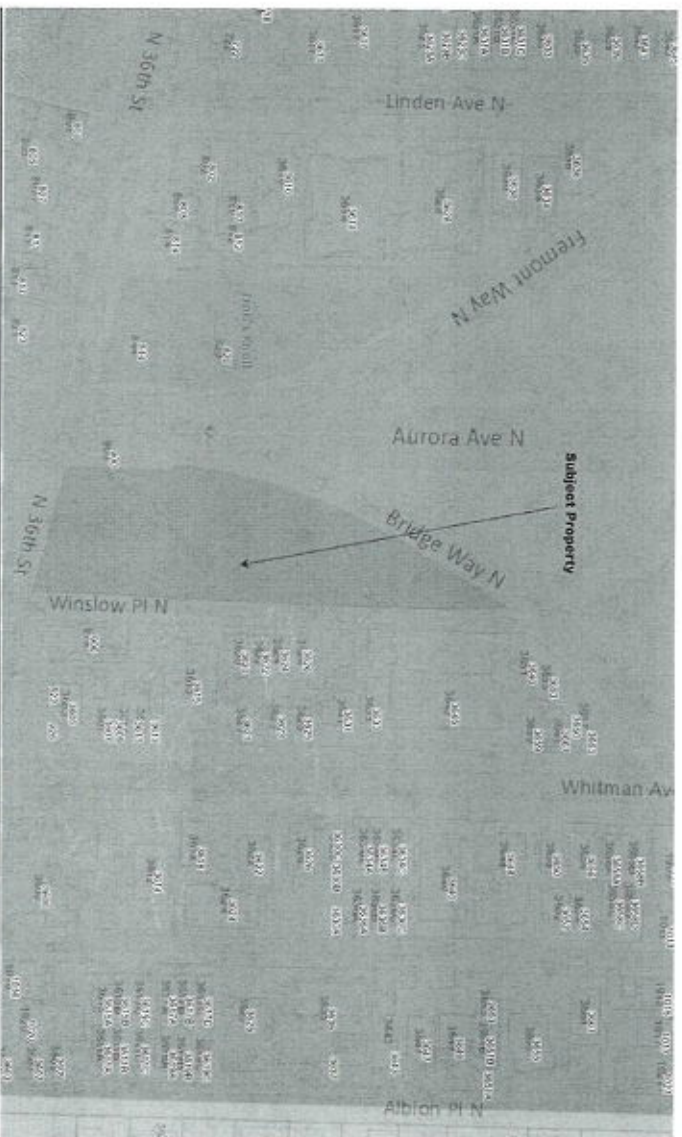
March 9, 2022

Printed Name:

Shava Lawson

Attachment(s): *General Terms for Commercial Consulting Services*

*Urban Forestry Services | Bartlett Consulting Company Profile*



**Map 1.** The project area highlighted in pink in the Fremont neighborhood of Seattle.

# General Terms for Commercial Consulting Services

The F.A. Bartlett Tree Expert Company ("Bartlett Tree Experts") provides tree-care and related consulting services to commercial and government clients. The agreed upon "Work" has been expressed in a separate Client Agreement between Bartlett Tree Experts and the Client, and is identified within the portion of the Client Agreement communicating the Scope of the Work, the Goals, the Specifications, the Schedule of the Work, and the Payment Terms. These general terms combine with the approved Client Agreement and form the complete agreement between the parties.

## Article 1 TREE RISK

### 1.1 Tree Risk

- (a) The Client acknowledges that having trees on one's property involves risk, including the risk that a tree or tree limb might fall. As part of the Work, Bartlett Tree Experts may recognize the risk posed by failure of trees within the Scope of Work and recommend to the Client ways to reduce that risk, but the Client acknowledges that Bartlett Tree Experts cannot detect all defects and other conditions that present the risk of tree failure and cannot predict how all trees will respond to future events and circumstances. Trees can fail unpredictably, even if no defects or other conditions are apparent. Bartlett Tree Experts will not be responsible for damages caused by subsequent failure of a tree, or tree part, within or around the Scope of Work due to defects or other preexisting structural or health conditions.
- (b) Unless the Work includes having Bartlett Tree Experts perform a tree risk assessment for designated trees, the Client acknowledges that in performing the Work Bartlett Tree Experts is not required to inspect and report to the Client on risks to, and risks posed by, trees on or near the Client's property.
- (c) The Client also acknowledges that because trees are living organisms that change over time, the best protection against the risk associated with having trees on the Client's property is for the Client to arrange to have them inspected by a qualified arborist annually and after each major weather event to identify any defects or other conditions that present the risk of tree failure. Then, once inspected, the Client should review any possible defects or conditions that present the risk of failure and request recommendations for, and implement, remedial actions to mitigate the risks.

## Article 2 THE WORK

### 2.1 Ownership

The Client states that all trees and other vegetation within the Scope of Work are owned by the Client or that the Owner has authorized the Client to include them within the Scope of Work.

### 2.2 Specified Trees or Work

The specific trees, shrubs, plant materials or work described in the Scope of Work or in the Agreement will be the only trees, shrubs, plant materials, or work included in the scope of the consultative services or Work performed by Bartlett for the Client.

### 2.3 Insurance

- (a) Bartlett Tree Experts states that it is insured for liability resulting from injury to persons or damage to property while performing the Work and that its employees are covered under workers' compensation laws.

- (b) The scope of ongoing operations of the Work shall be defined as beginning when the performance on the site begins and ending when the performance on the site concludes.

### 2.4 Compliance

Bartlett Tree Experts shall perform the Work competently and in compliance with the law and industry standards, including the American National Standards Institute's A-300 Standards for tree care.

### 2.5 Access Over Roads, Driveways, and Walkways

The Client shall arrange for Bartlett Tree Experts' representatives, vehicles, and equipment to have access during working hours to areas where the Work is to be performed. The Client shall keep roads, driveways, and walkways in those areas clear during working hours for the passage and parking of vehicles and equipment. Unless the Client Agreement states otherwise, Bartlett Tree Experts is not required to keep gates closed for animals or children.

### 2.6 Personnel

Bartlett Tree Experts will determine and provide the correct Bartlett personnel for completing the Work based scope of the project, the expertise needed, and the geographic location of the work, in order to meet the goals of the Client.

### 2.7 Accuracy of Information Provided by the Client or By Third Parties Acting on Behalf of the Client

- (a) The Client acknowledges that Bartlett Tree Experts cannot be held responsible for the accuracy of or content of information provided by the Client or third parties acting on behalf of the Client, including but not limited to: the legal description of the property, issues of title and/or ownership of the property, software programs, property and property line locations and/or boundaries, or other pieces of information provided which are integral to the final outcome of the consulting Work.

- (b) The Client agrees to correct any errors in any such inaccurate information that it or any third party acting on its behalf, provides Bartlett Tree Experts, once the inaccuracy is known, if such information will be necessary for Bartlett Tree Experts to base its final analysis, management plans, written reports, information or recommendations on for the finalization of the Work.

### 2.8 Information Provided By Reliable Sources

In certain circumstances, Bartlett Tree Experts may need to engage outside reliable sources to provide specialized information, cost estimates, or opinions. Bartlett Tree Experts will make every effort to engage reputable and reliable sources, and will communicate the use of these sources to the Client if such sources are used to help determine an integral part of the Work.

### 2.9 Tree Locations, Maps, Sketches, and Diagrams

The Client acknowledges that Bartlett Tree Experts may use several means and methods to provide tree locations on maps,



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sketches, or drawings, and that the use of tree locations on maps, sketches, diagrams, and/or in pictures are intended to aid the Client in understanding the deliverables provided, and may not be to scale and should not be considered precise locations, engineering surveys, or architectural drawings.

### 2.10 Global Positioning Systems

The Client acknowledges that all global positioning system (GPS) devices used to locate trees, shrubs, and plant material, have some accuracy limitations, and regardless of the methodologies or software programs used to enhance the accuracy of the locations, there will always be some level of meter or sub meter locational discrepancies within any deliverable product.

### 2.11 Advice, Opinions, Conclusions, and Recommendations

- (a) The Client Acknowledges that all advice, opinions, conclusions, and recommendations provided represent the professional objective opinion(s) of Bartlett Tree Experts; which are in no way predetermined, or biased toward any particular outcome.
- (b) The Client acknowledges that all advice, opinions, conclusions, and recommendations provided verbally or in written format such as email, management plans, or reports will be based on the present status of the tree(s), property(s), environmental conditions, and industry standards. Any advice, opinions, conclusions, and recommendations provided do not take into account any future changes in environmental conditions or changes to current industry standards which are unknown and unforeseen at the time the Work is performed.

### 2.12 Tree Risk Assessments and Inventories

- (a) If the Client Agreement is specifically for Bartlett Tree Experts to provide a *Level 1 Limited Visual*, *Level 2 Basic*, or *Level 3 Advanced assessment* of tree risk for any tree or group of trees for the Client in accordance with industry standards, the Client understands that any *risk ratings* and recommendations for mitigating such risks will be based on the observed defects, conditions, and factors at the time of the tree risk assessment or inventory.
- (b) The Client acknowledges that any recommendations made to mitigate risk factors will be made in accordance with industry best practices and standards, but that the decision to implement the recommended mitigation or remove the risk factors rests solely with the Client.
- (c) The Client understands that all *risk ratings* used are intended to assist the Client with understanding the potential for tree or tree part failure, and are not meant to be used to declare any tree or tree part to be safe or free from any defect. As such, the Client should not infer that any tree not identified as having an *imminent or probable likelihood of failure*, or not identified with a *moderate, high, or extreme risk rating*, or not having a condition rating of *poor or dead* is "safe" or will not fail in any manner.
- (d) The Client understands that it is the Client's responsibility to ensure that the assessed tree or trees are continually inspected and reassessed periodically, or after any major weather event, in order to ensure that risk rating information is kept current, and to enter any changes to risk ratings or mitigation measures to the inventory or tracking system used by the Client.

### 2.13 Tree or Plant Value Appraisals

- (a) The Client acknowledges that tree appraisal is not an exact science. If the Client Agreement is for Bartlett Tree Experts to provide the Client with an appraisal estimate of cost or value, or estimated tree asset value, for specified trees or plant materials, the Client understands that those estimates will be based on a combination of visible conditions at the time of appraisal, information or pictures provided by the Client, local knowledge, information and/or cost estimates provided by local nurseries or plant wholesalers, information and/or costs provided by tree care or landscape installation and maintenance companies, industry best practices, and/or asset value software.
- (b) The Client understands that while any such appraisal will be based on one or several accepted industry methods of appraising plant material values, the appraised values provided may or may not be accepted as the final value by third parties, or decision makers in disputes over plant values, such as courts, arbitrators, insurers, or mediation efforts.

### 2.14 Local and Tree-Related Permits

Unless the Client Agreement states differently, the Client is responsible for obtaining and paying for all required local or tree related permits required. If the Work stated in the Client Agreement involves Bartlett Tree Experts submitting for, or assisting the Client in submitting for, any kind of local or tree-related permit, the Client understands that Bartlett Tree Experts cannot guarantee the successful outcome. If Bartlett Tree Experts submits a local or tree permit application on behalf of the Client, the Client must provide all necessary information for Bartlett to make such a submittal, and the Client will be responsible for paying for, or reimbursing Bartlett Tree Experts for, all fees and expenses related to the application process, regardless of the outcome.

### 2.15 Expert Witness and Testimony

The Client acknowledges that unless the Scope of Work in Client Agreement is specifically to perform Expert Witness services and testimony for the Client, then nothing in the Client Agreement will obligate Bartlett Tree Experts to perform Expert Witness services or provide expert testimony for or on behalf of the Client.

### 2.16 Environmental Benefits Assessments

- (a) The Client understands that Bartlett Tree Experts may use one or more software, or other programs, developed by other companies or government agencies, which are designed to help provide estimates on the environmental benefits of trees, shrubs, or other plant materials if the Work involves providing an environmental benefit assessment for the Client.
- (b) The Client acknowledges that while Bartlett Tree Experts will be responsible for the correct collection and input of data into any such software or other program used to help estimate environmental benefits of trees, shrubs, and other plant materials, the determinations of the data made by any such program may vary based on the method, software, type, year, or version used at any given time. The Client understands that any such method, software, type, year, or version used is meant to provide a sound, scientific method to help the Client understand the environmental benefits of the collected data.

### 2.17 Tree and Property Hazards and Safety Issues

The Client understands that in no way does Bartlett Tree Experts imply, nor should the Client infer that Bartlett Tree



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Experts assumes the responsibility for inspecting, identifying, and correcting tree or property hazards or safety issues on or near the Client's property, or conducting tree risk assessments, for which the Client Agreement does not specify, during the course of any of its ongoing consultative or other activities related to this Agreement.

### 2.18 Remote Sensing and Tree Canopy Assessments

- (a) If the Work requires Bartlett Tree Experts to evaluate aerial imagery to classify land cover classes, classify random points, or create or manipulate shapefile boundaries, the Client understands that certain factors can prohibit the accuracy of the final Work product, such as: the availability of imagery, files, and shapefiles for the property or site from reliable sources, the accuracy and quality of imagery, files, or shapefiles obtained from reliable sources or provided by the Client, the date of when the imagery, files, or shapefiles were taken or created, and the ability for a person to visually discern the difference between the pixels of aerial imagery.
- (b) If such factors inhibit the accuracy of the Work, Bartlett Tree Experts may choose to conduct visual assessments, or use other means, to verify or classify points or imagery into the required specifications. If such alternate methods are used, Bartlett Tree Experts will communicate the use of such methods to the Client in the final work product. If it is not possible or feasible to use alternative methods, then the Client acknowledges that the final work product may have some gaps in accuracy.

### 2.19 Use of Drones and Drone-Related Equipment

- (a) If the Work specifies the use of Drones or Drone-related equipment to help collect information, the Client acknowledges that in some cases the use of Drones and Drone-related equipment can provide detailed information, imagery, views, and pictures of a tree(s) or property(s); however, in some cases, not all aspects of a tree(s) or property(s) can be seen or accessed by a Drone. The Client understands that this technology can be limited and should not be used by the Client as the sole decision-making criteria, but rather one of many factors used by the Client in the decision-making process.
- (b) The Client agrees that other methods of obtaining the required information must be included in the Client Agreement, and may be required to be utilized, in addition to or separate from the use of Drones or Drone related equipment in the event that the limitations are too severe to perform the required Work.

### 2.20 Decay Detection Devices

- (a) The Client acknowledges that all decay detecting devices have limitations, and the use of any such device should be used to supplement information regarding the decay within a tree or trees, and not as the sole source of information.
- (b) If the Work requires the use of a decay detection device, unless the Client Agreement specifies the type of device, Bartlett Tree Experts will decide the most appropriate type of decay detecting device to use based on the conditions present and the information needed to supplement and complete the Work.

### 2.21 Diagnostic Services

Bartlett Tree Experts may offer diagnostic services as a means of attempting to isolate certain plant pest or soil problems for the Client, and determining the most logical possibility as to the cause of the condition of the trees, shrubs, or plants in question. The Client understands that in some

cases government quarantines may prohibit samples from being sent to a diagnostic clinic, and in some cases, determinations on samples may be inconclusive.

2.22

### Tree Preservation, Tree Protection, and Construction and Site Monitoring

- (a) If the Work includes Bartlett Tree Experts conducting or providing tree preservation or tree protection evaluations, tree impact evaluations, recommendations, specifications, and/or documents required by the governing agency, the Client understands that Bartlett Tree Experts will review the project, materials or plans that are provided by the Client, combined with industry best practices and current tree conditions, to arrive at the recommendations and specifications. The Client also understands that trees are living organisms and that even following all industry best practices and specifications cannot guarantee that a tree will survive construction impacts, which may include but are not limited to soil compaction, root damage, inadequate soil moisture, and decrease in tree stability.
- (b) If the Work includes Bartlett Tree Experts conducting or providing tree monitoring during project construction, the Client understands that Bartlett Tree Experts will review the project, materials, or plans that are provided by the Client and/or described by the Client representative at the site, and provide recommendations to the Client to assist with tree preservation or protection, but that the Client will be responsible for ensuring the implementation of such recommendations by the Client or any third parties.

2.23

### Irrigation and Recycled Water Assessments

- (a) If the Work requires Bartlett Tree Experts to provide irrigation or recycled water assessments as a means of aiding the Client with their tree care needs, the assessments will be provided using the best known site conditions, the best available water quality information, or the best available water quality test results provided to Bartlett Tree Experts; however, the Client acknowledges that Bartlett Tree Experts cannot provide information on water source, delivery systems, water chemistry, water quality testing methodology, or distribution systems.

2.24

### Bird, Water Fowl, and Wildlife Habitat Assessments

If the Work requires Bartlett Tree Experts to provide bird, water fowl, and wildlife habitat assessments or identifications as a means of aiding the Client with their tree care needs and wildlife considerations, the assessments will be based on known site conditions and available industry bird, waterfowl, and wildlife management information.

2.25

### Endangered or Protected Species and Habitats

- (a) If the Work is for Bartlett Tree Experts to identify trees or plant materials that may be endangered or protected species, or to identify trees or plant materials that may be primary or secondary habitat for endangered or protected species, or to provide any analysis for a project that may affect any endangered species or protected species or its habitat, then Bartlett Tree Experts will base all reports and information on the existence of any known endangered or protected species and known habitats using government approved endangered or protected species or habitat information.
- (b) The Client acknowledges that Bartlett Tree Experts cannot be responsible for identifying unknown endangered species or habitats.



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### 2.26 Wetland and Riparian Habitat Mapping

The Client understands that if the Work involves wetland or riparian habitat mapping, such maps will require the Client to provide the tree or plant species considered to be the primary or secondary habitat for the specific species of animal in question, and such maps will be limited to the species information provided as it overlays within the known designated wetland areas.

### 2.27 Representation Services

If the Work involves a member of Bartlett Tree Experts acting as a representative for, or decision-maker for, the Client, including but not limited to activities such as reviewing, approving or declining tree-related permits, plans, designs, or selections submitted by third parties, then the Client agrees to be the final decision-maker in the event of a third party appeal of an adverse decision or recommendation made by Bartlett Tree Experts with respect to granting or denying a tree related permit, plan, design, or selection submitted by a third party. The Client also agrees to defend Bartlett Tree Experts against any claims made by third parties regarding such decisions or recommendations, and represent the decisions and recommendations of Bartlett Tree Experts, as if such decisions or recommendations were made by the Client.

### 2.28 Integrated Pest Management

- (a) If the Work includes consultation for integrated pest management services, the Client understands that the final product may involve recommendations for plant health care treatments that will be tailored to meet the Client's needs for specific trees, shrubs, turf areas, or plants. In creating these recommendations, Bartlett Tree Experts will consider the Client's objectives, priorities, budgetary concerns, plant materials, site conditions, pest and disease infestation levels and the expectations of those levels, and timing issues.
- (b) The Client acknowledges that such recommendations may involve one or more inspections of specific plants to help determine insect and disease concerns, the sampling of specific plant materials or soil areas, an understanding of the cultural needs of certain plants, consideration of biological control concepts and limitations (natural and/or introduced predators), recommended improvements to physical site conditions, or the use of pesticide treatments. The integrated pest management service does not combine all possible controls and concepts for every tree, shrub, turf area, or plant, but rather it considers the most reasonable option or options for control of and mitigation of insect and disease damages to the specific trees, shrubs, turf areas or plants as designated by the Client to meet the Client's goals.
- (c) The Client understands and acknowledges that during the course of an integrated pest management program, as inspections are taking place, and treatments or other services are being performed to certain trees or shrubs, not every tree or shrub inspected will require a specific treatment or other service, and in fact, some trees or shrubs may not require any specific treatment or other service throughout the course of a season to maintain health and vigor if the inspections show insignificant pest thresholds, and sound environmental and cultural conditions.
- (d) The Client also understands that tree, shrub, plant and turf inspections conducted during the integrated pest management program are for the purpose of determining plant health issues and, insect and disease thresholds; and are not conducted for the purposes of determining tree, shrub, plant, or turf safety.

### 2.29 Plant Species Selection

If the Work involves Bartlett Tree Experts providing advice and guidance on plant species selection to aid the Client with their landscape site needs, Bartlett Tree Experts will provide the advice and guidance based on the known site conditions, the available plant species locally at the time, and the plant species characteristics. The Client will be responsible for the planting and maintenance, and ensuring the survival of such plant selections in the landscape.

### 2.30 Trees and Subsidence Assessments

- (a) If the Work involves Bartlett Tree Experts providing an assessment of relationship between certain trees or tree parts and the subsidence or movement of a building or structure, the Client understands that certain inferences and assumptions will be made given the location, visibility, soil and drainage conditions, size, species, and condition of the tree or trees, and other factors, in order to perform the Work in the least intrusive manner possible.
- (b) Bartlett Tree Experts recommends that the Client reviews any tree related report recommendations, prior to having the work completed, with their structural engineer or other qualified building contractor to help the client determine any potential adverse impact to the buildings or structures.

### 2.31 Investigation of Covenants, Easements, Constraints, or Restrictions

The Client is responsible for investigating and identifying to Bartlett Tree Experts any covenants, easements, constraints, or other restrictions to the title or deed on the property that may adversely impact Bartlett Tree Experts' ability to perform the Work.

### 2.32 Cancellation

If the Client cancels or reduces the Work after the Work has started, the Client shall pay Bartlett Tree Experts for all the items of the Work that have been completed and all reasonable costs Bartlett Tree Experts has incurred in preparing to perform the remainder of the Work.

### 2.33 Payment

The Client shall pay for the Work when the Client receives Bartlett Tree Experts' invoice for the Work, unless specific payment terms have been agreed upon by the parties. If any amount remains unpaid 30 days after the date of the invoice or any period stated in the Client Agreement, whichever is longer, as a service charge the unpaid amount will accrue interest at the rate of 1.5% per month (or 18% per year) or the maximum rate permitted by law, whichever is lower. The Client shall reimburse Bartlett Tree Experts for any expenses (including attorneys' fees and court costs) it incurs in collecting amounts that the Client owes under the Client Agreement.

## Article 3 TREE CONDITIONS

### 3.1 Cables, Braces and Tree-Support Systems

The Client acknowledges that cables, braces or tree-support systems are intended to reduce the risk associated with tree part breakage by providing supplemental support to certain areas within trees and in some cases by limiting the



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movement of leaders, limbs, or entire trees, and are intended to mitigate the potential damage associated with tree part breakage; but that such supplemental support systems cannot eliminate the risk of breakage or failure to trees or tree parts entirely, and future breakage and damage is still possible

- (a) The Client acknowledges that for cables, braces or tree-support systems to function optimally, the Client must arrange for them to be inspected and maintained by a qualified arborist periodically and after each major weather event.

### 3.2 Lightning Protection Systems

- (a) The Client acknowledges that lightning protection systems are intended to direct a portion of the electricity from a lightning strike down through the system into the ground, and mitigate the potential damage to the tree from a lightning strike, but that such systems cannot prevent damage to structures, nor can such systems prevent damage to trees caused by lightning entirely.
- (b) The Client acknowledges that for lightning protection systems to function optimally, the Client must arrange for them to be inspected and maintained by a qualified arborist periodically and after each major weather event.

### 3.3 Recreational Features

- (a) The Client acknowledges that Bartlett Tree Experts recommends stopping the use of, and removing, any tree house, ropes course, swing, or other recreational feature attached to a tree. Regardless of the health or condition of the tree, such features might be unsuited for the intended use or might place unpredictable forces on the feature or the tree, resulting in failure of the feature or the tree and injury to persons or damage to property. Bartlett Tree Experts is not responsible for the consequences of use of any such feature.
- (b) The Client acknowledges that if a recommendation is made to mitigate an observed and immediate safety issue on a tree with any such device or feature attached, such as the removal of a dead, dying, or broken limb that could fall and injure a person or damage property, the Client should not infer that following the recommendation and mitigating the immediate safety issue makes the tree in question safe for the use of the attached device or feature.

### 3.4 Root Pruning

In the right circumstances, root pruning is a valuable and necessary service, but it might pose a risk to the health and structural integrity of trees. To limit that risk, Bartlett Tree Experts performs root pruning to industry standards, but the Client acknowledges that the health and structural integrity of trees within the Scope of Work might nevertheless be adversely affected by any root pruning performed as part of the Work. Bartlett Tree Experts shall assist the Client in understanding the risks involved before opting for root pruning, but the Client will be responsible for deciding to proceed with root pruning.

### 3.5 Stumps, Stump Grinding, Tree Grates

The Client acknowledges that if any recommendations call for the removal of certain trees, that the remaining stumps may present tripping hazards, and that it is the Client's responsibility to remove any such tripping hazard, whether such hazard is created by the stump, the grindings if the stump is ground down, or any tree grates that exist.

### 3.6

#### Client Trees in Hazardous Condition

If the Client Agreement specifies that one or more trees within the Scope of Work are in hazardous condition, have an *extreme, high or moderate risk rating*, or should be removed for safety reasons, the Client acknowledges that removing those trees would prevent future damage from trees or tree limbs falling. If the Client requests that one or more of those trees be pruned instead of removed, the Client acknowledges that although pruning might reduce the immediate risk of limbs falling, it does not preclude the possibility of future limb, stem, or root failure. Bartlett Tree Experts is not responsible for any such future failure.

### 3.7

#### Trees in Poor Health or a Severe State of Decline

The Client acknowledges that if a tree is in poor health or in a severe state of decline, Bartlett Tree Experts cannot predict how that tree will respond to any recommended plant health care or soil care and fertilization treatment and might not be able to prevent that tree from getting worse or dying.

### 3.8

#### Trees Planted and Maintained by Other Contractors

The Client acknowledges that if trees within the Scope of Work were recently planted or are being maintained by one or more other contractors or if one or more other contractors will be watering and providing services with respect to trees within the Scope of Work, how those trees respond to treatment in the course of the Work might be unpredictable, and Bartlett Tree Experts cannot be responsible for the health of such trees or plants.

### 3.9

#### Trees with Cones and Large Seed Pods

The Client acknowledges that large tree cones or seedpods on some trees can become dislodged and fall without notice, creating a hazard to persons or property. If the Client has the type of tree on their property that produces large, heavy cones or seedpods, and the Client does not wish to remove the tree, Bartlett Tree Experts recommends that the Client marks off and restricts the area under and near the tree from pedestrian and vehicle traffic whenever possible, places a warning sign near the tree, remains aware of the hazardous conditions the falling cones can create, and inspects the tree annually and removes any observable cones if possible in order to mitigate the potential for damage from falling cones.

### 3.10

#### Fire Damage

- (a) Regardless of the species, trees exposed to fire can suffer structural damage that goes beyond whatever external damage might be visible. Fire can cause cracking and brittleness in tree structure and integrity; it can make pre-existing defects worse; it can make roots less stable; and it can weaken the overall health of the tree, making it susceptible to disease and pest infestations. The effects of fire damage are unpredictable and difficult to determine. Bartlett Tree Experts is not responsible for any injury to persons or damage to property resulting from services performed on fire-damaged trees as part of the Work.
- (b) The Client acknowledges that if trees and shrubs on the Client's property have been exposed to fire, the Client should have qualified arborist periodically inspect trees and shrubs on the property for fire damage.

# General Terms for Commercial Consulting Services

## Article 4 DISPUTE RESOLUTION

### 4.1 Arbitration

- (a) As the exclusive means of initiating adversarial proceedings to resolve any dispute arising out of or related to the Client Agreement or Bartlett Tree Experts' performance of the Work, a party may demand that the dispute be resolved by arbitration administered by the American Arbitration Association in accordance with its commercial arbitration rules, and each party hereby consents to any such dispute being so resolved. Any arbitration commenced in accordance with this section must be conducted by one arbitrator. Judgment on any award rendered in any such arbitration may be entered in any court having jurisdiction. The parties also agree that the issue of whether any such dispute is arbitrable will be decided by an arbitrator, not a court.
- (b) The arbitrator must not award punitive damages in excess of compensatory damages. Each party hereby waives any right to recover any such damages in any arbitration.

### 4.2 Third Party Liability

The Client acknowledges that the use of any management plans created, reports written, recommendations, maps, sketches, and conclusions made are for the Client's use and are not intended to benefit or cause damage to any third party. Bartlett Tree Experts accepts no responsibility for any damages or losses suffered by any third party or by the Client as a result of decisions made or actions based upon the use of reliance of the management plans created, reports written, recommendations, maps, sketches, and conclusions made by any third party.

### 4.3 Limitation of Liability

The maximum liability of Bartlett Tree Experts for any losses incurred by the Client arising out of the Client Agreement or Bartlett Tree Experts' performance of the Work will be the amount paid by the Client for the Work, except in the case of negligence or intentional misconduct by Bartlett Tree Experts.

## Article 5 MISCELLANEOUS

### 5.1 Client Responsibilities

- (a) The Client is responsible for the maintenance of the Client's trees, shrubs, and turf and for all decisions as to whether or not to prune, remove, or conduct other types of tree work on each respective tree, or when to prune, remove, or conduct other tree work on any respective tree, and all decisions related to the safety of each respective tree, shrub, and turf area.
- (b) Nothing in this Agreement creates an ongoing duty of care for Bartlett Tree Experts to provide safety maintenance or safety inspections in and around the Client's property. It is the responsibility of the Client to ensure the safety of its trees and landscape, and to take appropriate actions to prevent any future tree or tree part breakage or failures, or otherwise remove any hazardous conditions which may be present or may develop in the future.

### 5.2 Severability

If any portion of this Client Agreement is found to be unenforceable, then only that portion will be stricken from the Client Agreement, and the remainder of the Client Agreement will remain enforceable.

### 5.3 Unrelated Court Proceedings

The Client acknowledges that Bartlett Tree Experts has prepared the Client Agreement solely to help the Client understand the Scope of Work and the related costs. If a court subpoenas Bartlett Tree Experts' records regarding, or requires that a Bartlett representative testify about, the Client Agreement or the Work in connection with any Proceeding to which Bartlett Tree Experts is not a party or in connection with which Bartlett Tree Experts has not agreed to provide expert testimony, the Client shall pay Bartlett Tree Experts Two Hundred Dollars (\$200.00) per hour for time spent by Bartlett representatives in collecting and submitting documents for those Proceedings and attending depositions or testifying as part of those Proceedings.

### 5.4 Use of Information

The Client acknowledges that the information provided within the Client Agreement and any deliverables provided is solely for the use of the Client for the intended purpose of helping the Client understand and manage their tree care needs. All deliverables must be used as a whole, and not separated or used separately for other purposes.

### 5.5 Notices

For a notice or other communication under the Client Agreement to be valid, it must be in writing and delivered (1) by hand, (2) by a national transportation company (with all fees prepaid), or (3) by email. If a notice or other communication addressed to a party is received after 5:00 p.m. on a business day at the location specified for that party, or on a day that is not a business day, then the notice will be deemed received at 9:00 a.m. on the next business day.

### 5.4 Amendment; Waiver

No amendment of the Client Agreement will be effective unless it is in writing and signed by the parties. No waiver under the Client Agreement will be effective unless it is in writing and signed by the party granting the waiver. A waiver granted on one occasion will not operate as a waiver on other occasions.

### 5.5 Conflicting Terms

If these terms conflict with the rest of the Client Agreement, the rest of the Client Agreement will prevail. If these terms conflict with any other Client documentation, terms, or purchase order agreement, then the Client Agreement and these terms will prevail.

### 5.6 Entire Agreement

The Client Agreement with these terms constitutes the entire understanding between the parties regarding Bartlett Tree Experts' performance of the Work and supersedes all other agreements, whether written or oral, between the parties.







## Urban Forestry Services

### BARTLETT CONSULTING

Divisions of The F.A. Bartlett Tree Expert Company

#### What We Do

*We offer professional horticultural consulting on trees and woody vegetation growing in urban areas. Since 1990, originally as Urban Forestry Services, Inc., our arboricultural services have included risk assessment, inventories, appraisals, enhancement, and management recommendations for all types of urban environments. This includes street trees, park trees, private trees, or native second growth forests that are valued for a wide range of benefits. We specialize in tree protection during development, proper soil preparation and species selection for street tree installation. We also provide management plans for slopes and native restoration plans for disturbed environments. Urban Forestry Services, Inc. provides a full range of urban horticultural services for the benefit of vegetation where we live, work, and play.*

*Our services concentrate on the specific cultural requirements for growing trees, and woody plants. This includes the appropriate plant for each location, proper soils and adequate volume, maintenance, and the preservation of mature trees planted long ago.*

*Through our International Society of Arboriculture, American Society of Consulting Arborists, and Tree Risk Assessment Certifications, as well as other sources of expertise, we continually review information and train to offer the most practical and effective solutions to horticultural challenges.*

*We also appraise plants for their landscape value in cases of litigation or damage estimates. Trees in our cities have changed from being considered nice to have, to necessary for where we live, work, and play. As we work to preserve our environment, we realize there is no more critical habitat than human habitat.*

*We welcome the opportunity to help meet your urban forestry needs.*

*Jim Barborinas*

*Urban Forestry Services / Bartlett Consulting  
Principal Consultant- Local Manager  
ASCA Registered Consulting Arborist #356  
ISA Certified Arborist #PN-0135  
Tree Risk Assessor Qualified*

#### Services Offered

- **SITE ANALYSIS FOR TREE RETENTION DURING DEVELOPMENT** - Inspecting native forests and established landscapes with mature trees for site development to provide tree and vegetation protection specifications, enhancement techniques and on-site construction monitoring for contract compliance. Our goal is to keep trees alive after the contractor leaves.
- **TREE RISK ASSESSMENT / TREE PRESERVATION** - Inspecting mature native and ornamental trees on managed landscapes for hazard condition/preservation and maintenance specifications. Provide a balance of safety and aesthetics for the long term.
- **URBAN FORESTRY MANAGEMENT AND STRATEGY PLANS** - Analyzing your community forest and management resources to develop a plan for quality vegetation planting, management, and care. Put your money towards action, not more paper.
- **PACIFIC NORTHWEST FOREST GREENBELT**  
**MANAGEMENT/NATIVE RESTORATION/MITIGATION** - Evaluating greenspaces for hazards, health, diversity, aesthetics, and enhancement/management. Protecting our "Sense of Place".
- **MAINTAINED PARK AND STREET TREE INVENTORIES** - Inspecting and documenting tree populations for their conditions, follow-up replacement, maintenance, and planting specifications. Sustaining trees for safety, health, and functional benefits.
- **STREET TREE AND LANDSCAPE SPECIFICATIONS, EVALUATION, AND INSTALLATION MONITORING** - Pre- and post-landscape installation evaluation for quality, vigor, handling, and planting specification compliance. Plants should be installed right the first time.
- **APPRAISALS AND RESEARCH** - Comprehensive documentation and reports for estimating vegetation value for insurance, expert witness testimony, and depositions. Providing reasonable monetary value to long established plants too large to replace.
- **PLANT SPECIES SELECTION AND PROCUREMENT** - Recommending, locating, and selecting the right tree, and complementary vegetation, for the right place. There are long-term advantages to install plants that meet professional specifications.





## Urban Forestry Services

### BARTLETT CONSULTING

Divisions of The F.A. Bartlett Tree Expert Company



**Total Years of Experience:** 45

**Years as UFS Principal:** 30

#### **Education:**

B.S. Outdoor Resource Management, School of Forestry, Southern Illinois University, IL 1973

M.S. Outdoor Resource Management, School of Forestry, Southern Illinois University, IL 1978

#### **Professional Registrations:**

ISA Certified Arborist, International Society of Arboriculture, since 1991

ISA Tree Risk Assessment Qualified, International Society of Arboriculture, since 2004

Registered Consulting Arborist, American Society of Consulting Arborists, since 1997

### **James M. Barborinas, Principal**

President and founder of Urban Forestry Services, Inc., in 1990, has worked throughout the Puget Sound Region with large and small communities, landscape architects, engineers, developers, housing authorities, school districts and private citizens on many urban forest issues. He has provided tree evaluations, tree protection specifications, design review, and monitoring for contract compliance for mature and new landscape trees on numerous sites, including several Seattle and King County Housing projects over the last 30 years. He has provided numerous tree assessments and appraisals of trees and vegetation in anticipation of the ongoing Sound Transit projects for the last several years. More recently, Urban Forestry Services has completed for preliminary and onsite tree risk analysis for the Lynnwood, Federal Way and Redmond Sound Transit Link Extensions.

**He has helped to develop Urban Forest Strategy Plans for the communities of Tacoma, Sumner, Mount Vernon, Puyallup, and Marysville.** UFS, Inc. is the On-call Arborist for several communities including Snoqualmie, Mount Vernon, Duval, North Bend, Mukilteo, Marysville and other municipalities. Jim has performed thousands of street, park, and forest, tree evaluations for risk assessment, maintenance, and specifications for challenging landscape installation requirements. Jim specializes in providing documentation on trees to be retained near construction activities, and recommendations on how to protect trees and perform work near them while minimizing tree damage.

### **Project Experience**

#### **Urban Forestry Services, Inc., Mount Vernon, WA (1990-Current)**

- **Sound Transit Lynnwood Link Extension:** Preliminary Summary of tree risk analysis for 8.5-mile extension for North Corridor Transit Partners, LLC coordinated through Swift Company. Includes documentation of over 8,000 trees in GIS retrievable format.
- **Sound Transit Federal Way Link Extension:** Coordinated field tree risk analysis for the 8-mile extension for HDR Engineering Inc. Included documentation of over 11,000 trees in GIS Retrievable format.
- **Polygon Norwest Company:** Providing tree assessment and documentation, tree protection planning, specifications and onsite monitoring for several Puget Sound developments.
- **On call for cities of Snoqualmie, North Bend, Duval, Mount Vernon, Burlington Mukilteo, Marysville and other municipalities** - periodic arboricultural consultation, including Plan review for tree protection, hazard tree assessments, landscape plan reviews, installation monitoring and landscape plant appraisals.
- **Lake Washington School District:** Tree evaluation and protection plans including Rose Hill High and Benjamin Rush School in Redmond, International Community School and Belle School in Kirkland, STEM School in King County, and East Lake Sammamish High School in Sammamish, WA.
- **Public Housing Projects, Holly Park I, II, and III, Rainier Vista High Point, Lake City Village, Yesler Terrace in Seattle, and Salishan and Hilltop in Tacoma.**
- **Park Lake, Birch Creek, Greenbridge, Seola Gardens, Green River Homes, and others in King County, WA:** Tree Inventory, retention consultation, landscape installation and maintenance monitoring for Seattle Housing Authority.

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- **Swift & Company, Inc:** (Partial List) Multiple projects for trees assessments for development, hazard tree analysis and tree protection plans. Of note: Seattle Monorail - detailed evaluation of trees impacted. Discovery Park, Seattle, WA - vegetation assessment, scotchbroom management, revegetation plan. Sound Transit - tree assessment, protection and transplanting on Capitol Hill and University of Washington Campus sites. Bainbridge Island, Winslow - downtown tree assessment for major improvements.
- **Hough, Beck & Baird, Inc.:** (Partial List) Multiple projects for tree assessments, tree appraisals, tree protection plans, onsite construction monitoring including multiple projects within the City of Seattle; of note: City of Kenmore - Urban Forest Strategic Plan. Eddie Bauer Campus Expansion, Redmond - tree evaluation. City of Everett - tree assessment for road improvements.
- **Mithun:** Lewis Hall Renovation - tree assessment, protection, specifications, monitoring during construction. Tree evaluation at Cedar River Visitor Center, North Bend, WA.
- **West Point Sewage Treatment Plant with CH2M Hill:** Developing native plant palette, installation and layout specifications for site restoration work for Discovery Park drilling sites, existing site protection measures and landscape installation monitoring for contract compliance. Involved the contract growing of over 2 million dollars' worth of native plants. Post Point Sewage Plant, Bellingham, WA, and similar work as above work.
- **Danadjieva and Koeing:** Tiburon, CA. Environmental Planners METRO'S Secondary Sewage Treatment System at West Point near Discovery Park. Horticultural reconnaissance of Discovery Park hillside for proposed dewatering. Landscape habitat research for design, native plant procurement, and installation strategies.
- **University of Washington:** University of Washington Medical Center - tree evaluation and retention services, monitor transplanting of 40" and 50" diameter giant sequoia.
- **Northwest Trek Wildlife Park:** Tacoma, WA, Native landscape plant design, installation, and supervision, present Cat Country, Wetlands, Grizzly Bear fox and Coyote Exhibits, landscape layout, plant procurement, installation supervision.
- **Lake Washington School District:** Tree evaluation and protection plans. Projects include Rose Hill High and Benjamin Rush School in Redmond, International Community School and Belle School in Kirkland, STEM School in King County, and East Lake Sammamish High School in Sammamish, WA.

## URBAN FOREST NURSERY, INC.

In addition to providing arboricultural consultation, Jim, and his wife, Annie, also own and operate **Urban Forest Nursery, Inc.**, a 32-acre wholesale tree nursery, in the Skagit Valley, specializing in growing high quality street and landscape trees including over 180 cultivars. Trees are specifically selected and grown for characteristics that complement the limited planting spaces and adverse conditions typical of urban planting sites today. From his knowledge of growing trees, he is particularly adamant about soil preparation and proper tree selection regarding location, installation and maintenance.

UFN, Inc. trees are sold to brokers and contractors, but also directly to the cities of Seattle, Tacoma, Olympia, Bellevue, Everett, Mount Vernon, Bellingham, Hoquiam, and others. Trees are also shipped to British Columbia, Oregon and Alaska.



The knowledge and experience of growing hundreds of old and new varieties, provides Jim with valuable information when selecting, planting and maintaining these trees in the landscape. He encourages anyone in the industry to take time to visit the nursery, learn more about the multiple varieties available and understand the importance of diversity of their use in the landscape.





# Urban Forestry Services

## BARTLETT CONSULTING

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**Total Years of Experience:** 19

**Years with UFS:** 8

### Education:

MSc Forestry, College of Forest and Woodland Management, University of Central Lancashire, UK 1998

### Professional Registrations:

ISA Certified Arborist, International Society of Arboriculture, since 2000

ISA Tree Risk Assessment Qualified, International Society of Arboriculture, since 2009

Registered Consulting Arborist, American Society of Consulting Arborists, since 2011

PA1 & PA6A Pesticide License, National Proficiency Tests Council, National Agricultural Centre, Warwickshire, UK, since 1996

### Paul Hans Thompson, Associate Consulting Arborist

Paul has been engaged in urban forest management and arboriculture for commercial developments and both public and private projects for most of his professional career. At Urban Forestry Services, he has worked on appraisals for litigation, tree risk assessments, veteran tree management, tree inventories, tree preservation during construction, and monitoring of soil and landscape construction for non-profit organizations, public housing and schools, transit and utility projects, and commercial and private clients.

**Note: Paul is on a Leave of Absence until September 1, 2020**

### Project Experience

#### Urban Forestry Services, Inc., Mount Vernon, WA (2011-Current)

- **Sound Transit Tree Inventory and Assessment for 8.5-mile Lynnwood Link and 8-mile Federal Way link.** Lead for field work, data entry and analysis of over 8,000 and 11,00 trees respectively.
- **Low Impact Development (LID), Washington State University:** Providing training in tree retention during development since 2010, Contributor to the latest manual for LID published by WSU.
- **City of Mount Vernon, Street Tree Inventory:** Tree inventory, infrastructure issues, risk assessment, and maintenance requirements.
- **San Juan Preservation Trust:** Appraisal following trespass and tree removal on two of the trusts sites.
- **San Juan County Parks and Recreation:** Tree risk assessment and veteran tree management plan for a new park on Lopez Island.
- **Whatcom Land Trust:** Appraisal following timber trespass.
- **Western Washington University:** Working on three separate projects involving the replacement of utilities within the campus, includes tree inventory, tree risk assessment, and providing tree protection guidelines
- trees are protected throughout the redevelopment process.
- **Skagit Valley Community College:** Tree assessment and tree protection assessment, construction monitoring for tree protection, assessing trees and shrubs for transplant suitability.
- **Green River Community College:** Tree protection monitoring assessment.
- **City of Newcastle:** Replant monitoring, tree risk assessment, and review of arboricultural reports for city departments.
- **Sound Transit:** Tree Inventory, Evaluation, Appraisal for STN-PCR 081 Northgate, and Task #1460 for Northgate, PCR 061 Northgate, and South 200th Link extension at SeaTac airport and others.
- **King County Housing Authority:** Tree inventories, tree preservation during construction, monitoring, for five redevelopment projects.
- **Seattle Public Utilities CSO Reduction Projects:** Tree Inventory, Evaluation, Appraisal for Genesee, Seward Park, and Henderson sites.
- **Lake Washington School District:** Tree inventories, tree risk assessment, providing tree protection guidelines, monitoring tree protection during construction, and reporting for four school redevelopment projects

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# Urban Forestry Services

## BARTLETT CONSULTING

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**Total Years of Experience:** 15

**Years with UFS:** 3

### Education:

MS, Forest resources, University of Washington, 2007

BS, Biology (Ecology, Evolution, Conservation) University of Washington, 1999

### Professional Registrations:

ISA Certified Arborist®,  
International Society of  
Arboriculture - 2006; Board  
Certified Master Arborist - 2015

ISA Certified Tree Risk Assessment  
Qualified, - 2007

ECO Pro Sustainable Landscape  
Professional, Washington State  
Nursery and Landscape  
Association - 2013

Washington State Licensed Public  
Pesticide Applicator and Public  
Consultant - 2007-2018

## Anna Marie Heckman, Associate Consulting Arborist

Anna's experience with municipalities brings an understanding of policy, funding and partnership requirements that are integral to successful urban natural area management. She is a specialist in urban forest protection and rehabilitation and communicating the connection between tree health, and water, soil and air quality. At Urban Forestry Services, she has worked on tree inventories, risk assessments, and construction oversight for tree and soil protection. She participates on multiple boards and advisory committees that allow her to integrate her arboriculture experience with other specializations in natural resource management.

### Project Experience

#### Urban Forestry Services, Inc - (2006-2008, 2018-Present)

- **On Call Urban Forester, City of North Bend, Duvall, Snoqualmie, and Mukilteo** Forest edge and tree risk assessments. Development plan analysis for functional tree and soil protection, and monitoring through construction.
- **Northgate Mall Development Tree Inventory and Assessment**
- **City of Mercer Island, I-90 Lid Vegetation and Soil Assessment (2018 ongoing)**

#### City of Everett – Parks and Recreation - Urban Forester (2015-2018)

- **Urban Forestry Program Manager** – Supervised park arborists and managed tree maintenance operations. Conducted risk assessments, appraisals and protection for public inquiries and CIP projects. Managed work contracts and partnerships.
- **Park Landscape Tree Inventory** – Project lead and author.
- **Park Urban Forest Maintenance Plan** – Project lead and author. Developed a pruning and forest edge assessment rotation, hazard tree abatement protocols and prioritized tree and natural area projects.
- **Business District Street Tree Inventory and Management Plan**

#### King County Department of Transportation - (2011-2015)

- **Roadside hazard tree risk assessment and management planning** – Tree inventory, risk assessments, and management for right of ways and properties.
- **Invasive Knotweed Best Management Practice** - Project lead, author, and presenter for the development and monitoring of a corridor control program.
- **Transportation corridor Integrated Vegetation Management Plan** – author.

#### Snohomish County Public Works- Surface Water Management– (2007-2011)

- **Riparian Projects** - Stillaguamish Big Trees, North Meander and creek channel restorations - planting plans, nursery production, vegetation monitoring, analysis.
- **Tree Risk Assessor/Tree Protection**– Mays Pond, Max Blue Spruce NGPA, Cottonwood Flood Fencing, Public Works Solid Waste Facilities forest edges.

#### University of Washington, College of Forest Resources - (1998-2006)

- **Soil Changes Associated with English Ivy in Urban Forests:** M.S. Thesis
- **Research Technician** – Mercer Island Open Space Vegetation Plan, canopy architecture of hybrid poplar, air quality and soil chemistry instrument technician.

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## Urban Forestry Services

### BARTLETT CONSULTING

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**Total Years of Experience:** 9

**Years at UFS:** First Year

**Education:**

B.A., Urban Planning, with a  
Certificate in GIS, Western  
Washington University.  
(Expected Graduation, Spring  
2020)

**Professional Registrations:**

ISA Certified Arborist, #PN-8100A  
International Society of  
Arboriculture, since 2015

ISA Tree Risk Assessment  
Qualified, International Society  
of Arboriculture, since 2018

### Tyler P. Holladay, Associate Consulting Arborist

Tyler is an aspiring urban forestry professional who is passionate about planning as it relates to trees in the built environment. He joined the Urban Forestry Services team as an intern in 2019 with a background in horticulture and arboriculture as a climbing arborist. At Urban Forestry Services, Inc. he will be working on tree inventories, risk assessments and other consulting functions. In the Spring of 2020 Tyler will complete a degree in Urban Planning and Sustainable Development from Western Washington University. With his degree he looks forward to furthering the pursuit of social and environmental equity through community-centered urban forest planning and management.

### Project Experience

**Western Washington University, Urban Planning and Sustainable Development Program, Bellingham, WA. (2018 - 2019)**

- **City of Ferndale, WA:** Ferndale City Center land use alternatives plan. A Western Washington University Sustainable Communities Partnership project with the Huxley College UPSP program and the City of Ferndale.
- **Exceptional Trees of Bellingham:** Development of a community-based tree inventory collector application and online interactive story map for exceptional trees in the city of Bellingham. (Expected completion spring 2020)
- **Woodstock Farm:** Trees of Woodstock Farm, park visitor tree guide detailing notable tree species throughout the park including historic orchard area.

### Climbing and Consulting Arborist, Bellingham, WA – (2016 – 2019)

- **Whatcom County Residential Work:** General consulting and climbing projects encompassing tree assessments, planting plans, permit assistance, and preservation-oriented tree management.

### Western Washington University Facilities Management, Bellingham, WA - (2010 - 2016)

- **Campus Arboriculture:** Mature and veteran tree management for 200+ acre university campus – tree assessments, monitoring, pruning, support systems, and soil improvements.
- **Sehome Hill Arboretum:** Co-management of Arboretum with the City of Bellingham – tree assessments, hazard mitigation, snag/habitat retention and trail maintenance.
- **Carver Gym Renovation:** Relocation of 25 significant trees and numerous woody ornamentals in preparation for Carver Gym building renovation and expansion.
- **Miller Hall Renovation:** Restoration of two heritage magnolia trees impacted by construction as well as Landscape design modifications and improvements of post-renovation rain garden area.

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## Urban Forestry Services

### BARTLETT CONSULTING

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**Total Years of Experience:** 8

**Years with UFS | BC:** 2 years

#### Education:

PhD, Ecology, University of Nevada-  
Reno, 2013

MS, Biology, Eastern Michigan  
University, 2006

BS, Natural Resources, Cornell  
University, 2000

#### Professional Registrations:

ISA Certified Arborist®,  
International Society of  
Arboriculture - 2014

ISA Certified Tree Risk Assessment  
Qualified - 2016

### Miles Becker, Associate Consulting Arborist

Miles has studied urban ecology and the role of trees in supporting healthy communities, wildlife, and green infrastructure. His work for residential and commercial development includes risk assessment, tree protection, permitting, and habitat plans. An educator and a non-profit board member, Miles promotes arboriculture and urban forestry for conservation and wildlife research.

### Project Experience

#### Urban Forestry Services | Bartlett Consulting - (2019 - Present)

- **City of Langley Infrastructure Improvements:** Assess the risk and preservation value of right-of-way trees potentially impacted by utility road work.
- **Sound Transit, Bus Rapid Transit:** Inventory and tree protection for trees potentially impacted by new bus services and facilities.
- **Pacific Tower Affordable Housing:** Landmark tree protection at the historic site in the Beacon Hill neighborhood.
- **City of Clyde Hill:** On-call arborist for assistance with tree preservation, landscape review, and resolving view conflicts.

#### Skookum Tree Care (2014-2019)

- **AdventureTerra:** Risk assessments on big trees used for recreational climbing in Washington State Parks.
- **Washington State Ferries:** Ferry terminal tree risk assessments.
- **Lopez Center for Community and the Arts:** Veteran tree preservation.

#### American Forest Management (2017-2018)

- **City of Newcastle:** Risk assessments for public right-of-ways, street trees and open space.
- **Trilogy at Redmond Ridge:** Risk assessment for housing association.
- **City of Roslyn:** Risk assessment for historical cemetery.

#### University of Nevada, Reno – Ecology, Evolution, and Conservation (2007-2013)

- **The Role of Urban Climate and Land Cover in Phenology, Nest Success, and Habitat Use:** Dissertation using field data on trees, birds, insects, and temperatures in city parks.
- **Warming Temperatures and the Density of a Defoliating Insect in Boreal Forests of Northeastern China:** National Science Foundation funded research on forest health.
- **Guild-specific responses of avian species richness to LiDAR-derived habitat heterogeneity:** Habitat management driven research using remote sensing of riparian woodlands.

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