



Arborist Report

TO: Dominique Ruybal, DGR Development
SITE: 12643NE 70th St. Kirkland WA 98033
RE: Tree Inventory and Assessment
DATE: September 18, 2014
PREPARED BY: Sean Dugan , Registered Consulting Arborist # 457
ISA Board Certified Master Arborist #PN- 5459 B
ISA Qualified Tree Risk Assessor

Summary

For this 95,367 sq. ft. site, the Kirkland Zoning Code (95.33) requires a minimum tree density of 65.7 tree credits. I identified One-hundred and four (104) trees of significant size on site. Eight of these are not viable due to poor health and /or structure. The viable trees account for 236.5 total tree credits.

I observed twenty-three (23) trees on adjacent properties that have canopies that overhang the site. The right-of-way (ROW) is located to the north and east. Many if not all of the birch trees in this area are infested with Bronze Birch Borer and should be removed. The adjacent properties are located to the south and west that have canopies that overhang the job site. Five trees in these areas appear to be shared with the trunk located on the property line.

Most of the trees on the site are located along the perimeter and there may be good opportunities for tree preservation depending on the site layout and grading.

Trees located in the required setbacks or in groves may be considered by the city of Kirkland to be "High Retention Value" trees and may be require to retained to the maximum extent feasible.

Assignment & Scope of Report

This report outlines the site inspection by Sean Dugan, of Tree Solutions Inc., on September 9, 2014. I was asked to conduct a site visit to inventory all significant trees with descriptions of species, diameter size, health and structural condition, limits of disturbance, drip line radius, viability, proposed action, and notes for each tree. I was asked to develop a formal arborist report addressing city of Kirkland requirements for tree preservation.

Included in the report are observations from the site located at 12643 NE 70th St. Kirkland, WA. Included in the report are discussion and recommendations for the site. Dominique Ruybal, President of DGR Development, requested these services to acquire information for project planning in accordance with requirements set by the city of Kirkland.

Observations and Discussion

The Site

The 95,367 square foot lot is located in a residential neighborhood in the city of Kirkland. The site is currently developed with a single family structure, garage, and accessory structures used for the operation of a plant nursery. There are no environmental critical areas shown to be on the site.

The property is being proposed for a short plat development with a roadway, improved Right-of-Way, detention vault, and eleven (11) new parcels. This proposal is likely to lead to the removal of many of the internal site trees, however, the greatest density of trees is located along the site perimeter.

Trees that are located on a shared property line will need to be addressed and permission will be needed from the adjacent owner if removal or disturbance into the root zone is required. Tree 53 appears to be a shared tree and is currently failing. The trunk is split in half and there is a high probability it will fail.

The Trees

Information specific to each tree species identified on the site can be found in the attached Table of Trees. All but eight trees were found to be in good or fair health and structure. Several standing dead trees are noted on the site map but were not included in the Table of trees.

Adjacent Site and ROW Trees

In my opinion, all of the Birch trees in the ROW should be removed. These trees are infested with Bronze Birch Borer which is resulting in the decline of the trees. These trees harbor the insects, which than can infect other trees.

If a sidewalk is proposed to be installed along the east portion of the site a significant number of trees may be negatively impacted. A site grading and development plan locating the trees will be needed to make the determination of which trees will be disturbed.

Tree Density Credits

The Kirkland Zoning Code (95.33) requires tree density to satisfy 30 tree credits per acre. The property is 38,607 sq. ft., or 2.19 acres. Therefore, a tree density worth 65.7 tree credits ($2.19 \times 30 = 65.7$) is required in order to meet the minimum requirement. By retaining the trees at the top of the NGPA 236.5 tree credits are available on the site.

Recommendations

- Develop site plans that try to incorporate any potentially high retention value trees.
- Obtain all necessary permits and approval from the city prior to commencement of site work.

Attached:

Table of Trees

Marked-up Site Survey

Glossary

crown/canopy: the aboveground portions of a tree (Lilly 2001)

DSH: diameter at standard height; the diameter of the trunk measured 54 inches (4.5 feet) above grade (Matheny *et al.* 1998)

Grove: A group of three (3) or more significant trees with overlapping or touching crowns. (KZC)

ISA: International Society of Arboriculture

significant size: a tree measuring 6" DSH or greater

structural defects: flaws, decay, or other faults in the trunk, branches, or root collar of a tree, which may lead to failure (Lilly 2001)

References

ANSI A300 (Part 1) – 2008 American National Standards Institute. American National Standard for Tree Care Operations: Tree, Shrub, and Other Woody Plant Maintenance: Standard Practices (Pruning). New York: Tree Care Industry Association, 2008.

Dunster & Associates Environmental Consultants Ltd. Assessing Trees in Urban Areas and the Urban-Rural Interface, US Release 1.0. Silverton: Pacific Northwest Chapter ISA, 2006.

Kirkland Zoning Code Chapter 95.

Lilly, Sharon. Arborists' Certification Study Guide. Champaign, IL: The International Society of Arboriculture, 2001.

Matheny, Nelda and James R. Clark. Trees and Development: A Technical Guide to Preservation of Trees During Land Development. Champaign, IL: International Society of Arboriculture, 1998.

Mattheck, Claus and Helge Breloer. The Body Language of Trees.: A Handbook for Failure Analysis. London: HMSO, 1994.

Appendix A - Limits of Assignment

Unless stated otherwise: 1) information contained in this report covers only those trees that were examined and reflects the condition of those trees at the time of inspection; and 2) the inspection is limited to visual examination of the subject trees without dissection, excavation, probing, climbing, or coring unless explicitly specified. There is no warranty or guarantee, expressed or implied, that problems or deficiencies of the subject trees may not arise in the future.

Tree Solutions did not review any reports or perform any tests related to the soil located on the subject property unless outlined in the scope of services. Tree Solutions staff are not and do not claim to be soils experts. An independent inventory and evaluation of the site's soil should be obtained by a qualified professional if an additional understanding of the site's characteristics is needed to make an informed decision.

Appendix B - Methods

I evaluated tree health and structure utilizing **visual tree assessment (VTA)** methods. The basis behind VTA is the identification of symptoms, which the tree produces in reaction to a weak spot or area of mechanical stress. A tree reacts to mechanical and physiological stresses by growing more vigorously to re-enforce weak areas, while depriving less stressed parts (Mattheck & Breloer 1994). An understanding of the uniform stress allows me to make informed judgments about the condition of a tree.

I measured the diameter of each tree at 54 inches above grade, **diameter at standard height (DSH)**. If a tree has multiple stems, I measured each stem individually at standard height and determined a single-stem equivalent diameter by using the method outlined in the Guide for Plant Appraisal, 9th Edition, published by the Council of Tree and Landscape Appraisers.

Appendix C - Assumptions & Limiting Conditions

1. Consultant assumes that any legal description provided to Consultant is correct and that title to property is good and marketable. Consultant assumes no responsibility for legal matters. Consultant assumes all property appraised or evaluated is free and clear, and is under responsible ownership and competent management.
2. Consultant assumes that the property and its use do not violate applicable codes, ordinances, statutes or regulations.
3. Although Consultant has taken care to obtain all information from reliable sources and to verify the data insofar as possible, Consultant does not guarantee and is not responsible for the accuracy of information provided by others.
4. Client may not require Consultant to testify or attend court by reason of any report unless mutually satisfactory contractual arrangements are made, including payment of an additional fee for such Services as described in the Consulting Arborist Agreement.
5. Unless otherwise required by law, possession of this report does not imply right of publication or use for any purpose by any person other than the person to whom it is addressed, without the prior express written consent of the Consultant.
6. Unless otherwise required by law, no part of this report shall be conveyed by any person, including the Client, the public through advertising, public relations, news, sales or other media without the Consultant's prior express written consent.
7. This report and any values expressed herein represent the opinion of the Consultant, and the Consultant's fee is in no way contingent upon the reporting of a specific value, a stipulated result, the occurrence of a subsequent event or upon any finding to be reported.
8. All photographs included in this report were taken by Tree Solutions Inc. during the documented site visit, unless otherwise noted.
9. Sketches, drawings and photographs in this report, being intended as visual aids, are not necessarily to scale and should not be construed as engineering or architectural reports or surveys. The reproduction of any information generated by architects, engineers or other consultants and any sketches, drawings or photographs is for the express purpose of coordination and ease of reference only. Inclusion of such information on any drawings or other documents does not constitute a representation by Consultant as to the sufficiency or accuracy of the information.
10. Unless otherwise agreed, (1) information contained in this report covers only the items examined and reflects the condition of the those items at the time of inspection; and (2) the inspection is limited to visual examination of accessible items without dissection, excavation, probing, climbing, or coring. Consultant makes no warranty or guarantee, express or implied, that the problems or deficiencies of the plans or property in question may not arise in the future.
11. Loss or alteration of any part of this Agreement invalidates the entire report.



Table of Trees
 12643 NE 70th St
 Kirkland, WA 98033

Date of Inventory: September 9, 2014
 Table Prepared: September 10, 2014

Tree ID	Scientific Name	Common Name	DSH (inches)	Health Condition	Structural Condition	Limits of Disturbance	Drip line Radius (feet)				Viability	Proposed Action	Credits	Notes
							North	East	South	West				
27	<i>Chamaecyparis lawsoniana</i>	Lawson cypress	5.90	Fair	Fair		6	6	6	6	Yes		1	Codom (2), 3.2, 5.0
28	<i>Chamaecyparis lawsoniana</i>	Lawson cypress	7.3	Good	Good		6	6	6	6	Yes		1	One small dead lead
29	<i>Chamaecyparis lawsoniana</i>	Lawson cypress	10.0	Good	Good		8	11			Yes		1	Grove A
30	<i>Chamaecyparis lawsoniana</i>	Lawson cypress	11.7	Good	Good			11			Yes		1.75	Grove A
31	<i>Chamaecyparis lawsoniana</i>	Lawson cypress	12.4	Good	Good			11	8		Yes		2.25	Grove A
32	<i>Chamaecyparis lawsoniana</i>	Lawson cypress	6.00	Good	Good			6.0			Yes		1.00	Grove B
33	<i>Chamaecyparis lawsoniana</i>	Lawson cypress	11.60	Good	Good			11.0			Yes		1.75	Grove B
34	<i>Chamaecyparis lawsoniana</i>	Lawson cypress	18.60	Good	Fair			11.0			Yes		5.25	Multiple stems: 13.0, 13.3; Grove B
35	<i>Thuja plicata</i>	Western red cedar	9.50	Good	Good			11.0			Yes		1.00	Grove B
36	<i>Tsuga heterophylla</i>	Western hemlock	18.10	Good	Good			18.0			Yes		5.00	
37	<i>Prunus subhirtella</i>	Spring cherry	9.10	Poor	Poor			15.0			No - Health	REMOVE	0.00	Failing fence touching tree
38	<i>Prunus sargentii</i>	Sargent's cherry	14.40	Fair	Fair		19.5	19.5	19.5		Yes		3.25	Brown rot throughout
39	<i>Chamaecyparis lawsoniana</i>	Lawson cypress	10.10	Good	Good		7.0	7.0	7.0		Yes		1.00	
40	<i>Chamaecyparis lawsoniana</i>	Lawson cypress	6.00	Good	Fair			8.0			Yes		1.00	Grove C

DSH (Diameter at Standard Height) is measured 4.5 feet above grade.

Multiple stems: trees are noted, and a single stem equivalent is calculated using the method defined in the Guide for Plant Appraisal 9th Ed.

Drip line is measured from the center of the tree to the outermost extent of the canopy, measurements taken where relevant directions

Tree ID	Scientific Name	Common Name	DSH (inches)	Health Condition	Structural Condition	Limits of Disturbance	Drip line Radius (feet)				Viability	Proposed Action	Credits	Notes
							North	East	South	West				
41	<i>Chamaecyparis lawsoniana</i>	Lawson cypress	6.50	Good	Fair			8.00			Yes		1.00	Grove C
42	<i>Chamaecyparis lawsoniana</i>	Lawson cypress	6.30	Good	Fair			8.00			Yes		1.00	Grove C
43	<i>Tsuga heterophylla</i>	Western hemlock	13.10	Good	Good			15.50			Yes		2.50	Grove C
44	<i>Chamaecyparis lawsoniana</i>	Lawson cypress	6.60	Poor	Poor		0.00	0.00	0.00	0.00	No - Health	REMOVE	0.00	Dead snag
45	<i>Pseudotsuga menziesii</i>	Douglas fir	23.00	Good	Good			15.50			Yes		7.50	Grove C; growing into fence
46	<i>Chamaecyparis lawsoniana</i>	Lawson cypress	8.40	Good	Fair			8.00			Yes		1.00	Grove C
47	<i>Pseudotsuga menziesii</i>	Douglas fir	6.40	Good	Good		9.00	9.00	9.00	9.00	Yes		1.00	
48	<i>Cunninghamia lanceolata</i>	China fir	6.20	Good	Good			8.00			Yes		1.00	Unique 30 year old specimen
50	<i>Chamaecyparis lawsoniana</i>	Lawson cypress	11.30	Good	Good		10.00	10.00	10.00	10.00	Yes		1.50	Remove adjacent stake
51	<i>Chamaecyparis lawsoniana</i>	Lawson cypress	7.10	Good	Good		6.00	6.00	6.00	6.00	Yes		1.00	Multiple stems: 3,4,5
52	<i>Chamaecyparis lawsoniana</i>	Lawson cypress	12.00	Good	Good		8.00	8.00	8.00	8.00	Yes		2.00	
54	<i>Pseudotsuga menziesii</i>	Douglas fir	8.50	Good	Good		11.00	11.00	11.00	11.00	Yes		1.00	
57	<i>Pseudotsuga menziesii</i>	Douglas fir	6.70	Good	Good		12.50				Yes		1.00	
59	<i>Tsuga heterophylla</i>	Western hemlock	8.50	Good	Good		15.00	15.00	15.00	15.00	Yes		1.00	
60	<i>Betula pendula</i>	European white birch	6.20	Good	Fair		10.00	10.00	10.00	10.00	Yes		1.00	
61	<i>Prunus avium</i>	Bird cherry	9.30	Good	Fair		13.00	13.00	13.00	13.00	Yes		1.00	Multiple stems: 6.2, 5.4, 4.3
62	<i>Thuja plicata</i>	Western red cedar	12.80	Good	Good		10.00	10.00	10.00	10.00	Yes		2.50	Grove D; compost over 50% of root zone



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							North	East	South	West				
63	<i>Abies procera</i>	Noble fir	8.80	Good	Good		8.00	8.00	8.00	8.00	Yes		1.00	Grove D
64	<i>Abies procera</i>	Noble fir	7.40	Good	Good		8.00	8.00	8.00	8.00	Yes		1.00	Grove D
65	<i>Abies procera</i>	Noble fir	8.90	Good	Good		8.00	8.00	8.00	8.00	Yes		1.00	Grove D
66	<i>Chamaecyparis lawsoniana</i>	Lawson cypress	11.80	Good	Fair		12.00	12.00	12.00	12.00	Yes		1.75	Codom (2) at grade, 7.7, 9. Narrow angle of attachment with included bark in the seam; Grove D
67	<i>Betula pendula</i>	European white birch	6.00	Poor	Fair		9.00	9.00	9.00	9.00	No - Health	REMOVE	0.00	Bronze birch borer symptoms present
68	<i>Betula pendula</i>	European white birch	6.60	Good	Fair		10.00	10.00	10.00	10.00	Yes		1.00	Multiple stems: 3,2,3,3,3.5
69	<i>Prunus avium</i>	Bird cherry	7.40	Fair	Poor		9.00	9.00	9.00	9.00	No - Health	REMOVE	0.00	Multiple stems: 4,3,3,3.5,2,2. Major defect at base due to narrow angle of attachment with included bark in the seam.
70	<i>Pinus nigra</i>	Black pine	23.00	Poor	Fair		17.00	17.00	17.00	17.00	No - Health	REMOVE	0.00	In decline, foliar blight
71	<i>Fagus sylvatica</i>	European beech	32.00	Good	Good		33.00	33.00	33.00	33.00	Yes		12.00	Grove E; planted in 1960 with a crane, a unique species. Shallow root
72	<i>Quercus rubra</i>	Red oak	28.00	Good	Good		23.50	35.00	35.00	35.00	Yes		10.00	Grove E; nice tree
73	<i>Quercus palustris</i>	Pin oak	32.40	Good	Good			38.00	38.00	38.00	Yes		12.00	Grove E; nice tree
74	<i>Acer palmatum</i>	Japanese maple	15.60	Fair	Fair		10.50	10.50	10.50	10.50	Yes		3.75	Mature specimen with early fall color; large girdling root; some areas with reduced vigor
75	<i>Thuja plicata</i>	Western red cedar	13.40	Good	Fair		6.00	6.00	6.00	6.00	Yes		2.75	Multiple stems: 12.0, 6.0; narrow angle of attachment

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							North	East	South	West				
76	<i>Tsuga heterophylla</i>	Western hemlock	9.60	Good	Fair		10.00	10.00	3.00	10.00	Yes		1.00	Multiple stems: 6.6, 7.0; narrow angle of attachment with included bark in the seam
77	<i>Tsuga heterophylla</i>	Western hemlock	6.00	Good	Good		3.00	10.00	10.00	10.00	Yes		1.00	
78	<i>Chamaecyparis lawsoniana</i>	Lawson cypress	14.20	Good	Fair		9.00	9.00	9.00	9.00	Yes		3.00	Multiple stems: 9.0, 11.0; narrow angle of attachment, codom (2) at base
79	<i>Chamaecyparis lawsoniana</i>	Lawson cypress	15.20	Fair	Fair		10.00	10.00	10.00	10.00	Yes		3.50	Narrow angle of attachment with included bark in the seam; multiple attachments at the same place
80	<i>Chamaecyparis lawsoniana</i>	Lawson cypress	12.00	Good	Good		8.00	8.00	8.00	8.00	Yes		2.00	
81	<i>Chamaecyparis lawsoniana</i>	Lawson cypress	10.00	Fair	Fair		8.00	8.00	8.00	8.00	Yes		1.00	Multiple stems: 8, 2.5, 3, 4, 2
82	<i>Prunus avium</i>	Bird cherry	8.25	Fair	Fair		8.00	8.00	8.00	8.00	Yes		1.00	Multiple stems: 5.5, 4.4, 4.3
83	<i>Chamaecyparis lawsoniana</i>	Lawson cypress	14.00	Good	Good						Yes		3.00	
84	<i>Acer buergeranum</i>	Trident maple	12.00	Fair	Fair		13.50	13.50	13.50	13.50	Yes		2.00	Multiple stems: 7.4, 6.4, 7.0
85	<i>Magnolia wilsonii</i>	Wilson's magnolia	12.10	Fair	Fair		11.00	11.00	11.00	11.00	Yes		2.00	Multiple stems: 8.0, 5.8, 7.0; Planted in 1968 from a 5 gallon bucket; girdling roots; decay.
86	<i>Cornus kousa</i>	Kousa dogwood	9.80	Good	Good		14.00	14.00	14.00	14.00	Yes		1.00	Nice specimen
87	<i>Chamaecyparis lawsoniana</i>	Lawson cypress	6.60	Good	Good		18.00	18.00	18.00	18.00	Yes		1.00	
88	<i>Prunus avium</i>	Bird cherry	7.30	Good	Good		12.00	12.00	12.00	12.00	Yes		1.00	

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							North	East	South	West				
89	<i>Chamaecyparis lawsoniana</i>	Lawson cypress	9.50	Good	Fair		6.00	6.00	6.00	6.00	Yes		1.00	Multiple stems: 6.3, 6.5, 3.0; grafted below grade
90	<i>Ginkgo biloba</i>	Ginkgo tree	7.50	Good	Good		9.00	9.00	9.00	9.00	Yes		1.00	
91	<i>Pseudotsuga menziesii</i>	Douglas fir	7.20	Good	Good		12.00	12.00	12.00	12.00	Yes		1.00	Grove F
92	<i>Thuja plicata</i>	Western red cedar	10.20	Fair	Fair		0.00		12.00		Yes		1.00	Grove F; supressed at the top
93	<i>Thuja plicata</i>	Western red cedar	20.20	Good	Fair		0.00	6.00	14.00	14.00	Yes		6.00	Grove F
94	<i>Thuja plicata</i>	Western red cedar	16.00	Good	Fair		0.00	6.00	14.00	14.00	Yes		4.00	Grove F
95	<i>Thuja plicata</i>	Western red cedar	30.00	Good	Good		12.00	18.00	12.00	12.00	Yes		11.00	Codom (2) at base, 10.0, 28.3; Grove F
96	<i>Thuja plicata</i>	Western red cedar	10.00	Fair	Fair		10.00	18.00	4.00		Yes		1.00	Suppressed canopy out over the road; Grove F
97	<i>Thuja plicata</i>	Western red cedar	26.50	Good	Good		22.50	10.00	10.00	10.00	Yes		9.25	Grove F
98	<i>Thuja plicata</i>	Western red cedar	9.30	Good	Good		10.00	10.00	10.00	10.00	Yes		1.00	Grove F
99	<i>Thuja plicata</i>	Western red cedar	26.60	Good	Good		12.50	12.50	12.50	12.50	Yes		9.25	Grove F
100	<i>Thuja plicata</i>	Western red cedar	48.40	Good	Fair		22.50	22.50	22.50	22.50	Yes		20.00	Multiple stems/trunks: 31.5 10.0, 35.3.; Grove F
101	<i>Tsuga heterophylla</i>	Western hemlock	7.50	Fair	Fair					15.00	Yes		1.00	Suppressed; Grove F
102	<i>Thuja plicata</i>	Western red cedar	35.50	Good	Good		20.00	20.00	20.00	20.00	Yes		13.75	Grove F
103	<i>Crataegus monogyna</i>	Common hawthorn	7.60	Fair	Fair		13.00	4.00	4.00	13.00	Yes		1.00	Foliar disease, phototropic lean; Grove F
104	<i>Chamaecyparis lawsoniana</i>	Lawson cypress	15.40	Fair	Fair		9.00	9.00	9.00	9.00	Yes		3.75	Grove F
105	<i>Pinus contorta</i>	Lodgepole pine	13.00	Good	Good		10.00	10.00	10.00	10.00	Yes		2.50	Needle blight; Grove G

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							North	East	South	West				
106	<i>Cornus nuttallii</i>	Pacific dogwood	7.80	Fair	Fair				15.00	Yes		1.00	Intermediate anthracnose; Grove G	
107	<i>Chamaecyparis lawsoniana</i>	Lawson cypress	16.40	Good	Good		8.00	8.00	8.00	8.00	Yes	4.25	Grove G	
108	<i>Cornus florida</i>	Flowering dogwood	8.00	Fair	Fair		15.00	15.00	15.00	15.00	Yes	1.00	Anthracnose suppressed; Grove G	
109	<i>Ulmus americana</i>	America elm	10.00	Fair	Fair		12.00	12.00	12.00	12.00	Yes	1.00	Multiple stems: 8.0, 6.0; Elm leaf miner symptoms; Grove G	
110	<i>Chamaecyparis pisifera</i>	False cypress	12.50	Poor	Poor		1.00	1.00	1.00	1.00	No - Health	REMOVE	0.00	Multiple stems: 9.2, 8.5; in decline, close to house; Grove G
111	<i>Chamaecyparis pisifera</i>	False cypress	12.00	Poor	Poor		3.00	3.00	3.00	3.00	No - Health	REMOVE	0.00	In decline, close to house; Grove G
112	<i>Tsuga heterophylla</i>	Western hemlock	6.40	Good	Good		6.00	0.00	6.00	15.00	Yes		1.00	Phototropic lean; Grove G
113	<i>Betula pendula</i>	European white birch	8.90	Good	Good		6.00	0.00	6.00	12.00	Yes		1.00	Grove G
121	<i>Prunus laurocerasus</i>	English laurel	10.00	Good	Good		10.00	15.00	10.00	5.00	Yes		1.00	Grove H
122	<i>Chamaecyparis pisifera</i>	Sawara cypress	10.00	Poor	Fair		2.00	2.00	2.00	10.00	No - Health	REMOVE	0.00	Low live crown ratio; Grove H
123	<i>Prunus cerasifera</i>	Purpleleaf plum	19.20	Poor	Fair		14.00	14.00	14.00	14.00	No - Health	REMOVE	0.00	Multiple stems: 8.0, 12.5, 8.2, 9.0; frass noted on trunk with decay; basal decay; Grove H
124	<i>Chamaecyparis pisifera filifera</i>	Threadleaf cypress	33.50	Fair	Fair		12.00	12.00	12.00	12.00	Yes		12.75	Multiple stems: 24.8, 22.5; at edge of odd rockery structure; Grove H
125	<i>Acer palmatum</i>	Japanese maple	6.60	Good	Good		12.00	12.00	12.00	12.00	Yes		1.00	Nice tree
126	<i>Acer plantanoides</i>	Norway maple	8.00	Good	Good		11.00	11.00	11.00	11.00	Yes		1.00	Bloodgood
127	<i>Sciadopyties verticillata</i>	Japanese umbrella pine	8.10	Good	Good		9.00	9.00	9.00	9.00	Yes		1.00	

Tree ID	Scientific Name	Common Name	DSH (inches)	Health Condition	Structural Condition	Limits of Disturbance	Drip line Radius (feet)				Viability	Proposed Action	Credits	Notes
							North	East	South	West				
128	<i>Rhododendron sp.</i>	Rhododendron	~20	Good	Fair		10.00	10.00	10.00	10.00	Yes		6.00	Many stems, DSH is estimated, Transplanted from Russia
129	<i>Xanthocyparis nootkatensis</i>	Alaskan yellow cedar	8.45	Good	Good		9.00	9.00	9.00	9.00	Yes		1.00	Codom (2), 6.5, 5.4; nice specimen
130	<i>Thuja plicata</i>	Western red cedar	8.00	Good	Fair		6.00	6.00	6.00	6.00	Yes		1.00	
Total Tree Credits												236.50		
Right-of-way and Adjacent Site Trees														
49	<i>Chamaecyparis lawsoniana</i>	Lawson cypress	9.10	Good	Good		8.00	8.00		6.00			1.00	Possible shared tree
53	<i>Thuja plicata</i>	Western red cedar	20.00	Good	Poor		15.00					REMOVE	0.00	Shared tree; oil can leaking onto roots; trunk split in half with decay; Moderate risk, with probably failure. REMOVE
55	<i>Acer campastre</i>	Hedge maple	12.00	Good	Good		20.50						2.00	Possible shared tree; fence attached, suppressed by Douglas
56	<i>Pseudotsuga menziesii</i>	Douglas fir	25.80	Good	Good		24.50	24.50	24.50	24.50			8.75	Possible shared tree, open grown
114	<i>Thuja plicata</i>	Western red cedar	34.70	Good	Good		15.00	20.00	15.00	20.00			0.00	Grove G
115	<i>Cornus nuttallii</i>	Pacific dogwood	12.7,9 dead-	Poor	Poor		18.00	18.00	18.00	18.00		REMOVE	0.00	Possible shared tree; anthracnose and basal decay; moderate risk,
116	<i>Pseudotsuga menziesii</i>	Douglas fir	24.00	Good	Good		25.00	25.00	25.00	25.00			0.00	English Ivy 60'; Grove H
117	<i>Thuja plicata</i>	Western red cedar	21.50	Good	Good		15.00	15.00	15.00	15.00			0.00	English Ivy 40'; Grove H
118	<i>Thuja plicata</i>	Western red cedar	25.70	Good	Good		16.00	16.00	16.00	16.00			0.00	Grove H
119	<i>Thuja plicata</i>	Western red cedar	17.50	Fair	Poor			10.00				REMOVE	0.00	Top broken at 30'; Grove H



Table of Trees
12643 NE 70th St
Kirkland, WA 98033

Date of Inventory: September 9, 2014
Table Prepared: September 10, 2014

Tree ID	Scientific Name	Common Name	DSH (inches)	Health Condition	Structural Condition	Limits of Disturbance	Drip line Radius (feet)				Viability	Proposed Action	Credits	Notes
							North	East	South	West				
120	<i>Thuja plicata</i>	Western red cedar	25.00	Good	Good		10.00	10.00	10.00	10.00			0.00	Grove H
E	<i>Betula pendula</i>	European white birch	<6	Poor	Poor							REMOVE	0.00	Bronze birch borer symptoms present
F	<i>Acer sp</i>	Maple						1.00					0.00	Canopy overhangs
G	<i>Cercidiphyllum japonicum</i>	Katsura tree						2.00					0.00	Canopy overhangs
H	<i>Acer sp</i>	Maple						2.00					0.00	Canopy overhangs
I	<i>Prunus emarginata</i>	Flowering cherry						4.00					0.00	3 trees; canopy overhangs
J	<i>Magnolia sp</i>	Magnolia					3.00						0.00	Canopy overhangs
K	<i>Chamaecyparis obtusa</i>	Hinoki					5.00						0.00	Canopy overhangs
L	<i>Chamaecyparis lawsoniana</i>	Lawson cypress	10.00	Good	Good			8.00					0.00	Canopy overhangs
Non Significaant														
58	<i>Thuja plicata</i>	Western red cedar	5.83	Good	Fair								0.00	Multiple stems: 3,3,2,2,2,2. The Multiple stems: calculation show it is not significant.

