

#### **Consulting Arborists**

Project No. TS - 7079

#### **DRAFT Arborist Report**

To: Osborn Consulting, c/o Forrest Jammer

Site: 15600 Dayton Ave N, Shoreline, WA, 98133

Re: WSDOT Tree Impacts

Date: January 14, 2020

Project Arborist: Josh Petter

ISA Certified Arborist #PN- 8406A ISA Qualified Tree Risk Assessor

Katie Hogan

ISA Certified Arborist #PN- 8078A ISA Qualified Tree Risk Assessor

Referenced Documents: Grading and Drainage Plan C2.01 – C2.03 (Ankrom Moisan Architects, INC,

dated 07.11.19)

Attached: Table of Trees

Tree Site Map

#### **Summary**

We assessed and inventoried 296 significant trees at the above addressed site. We only assessed trees that were near proposed disturbances and could be impacted by renovations. Of the trees that we assessed, 37 trees can be retained, 65 impacted, and 194 would have to be removed based on the proposed plans. A reduction in right-of-way (ROW) requirements along Dayton Ave N would allow for additional tree retention. Alternative tree retention options are discussed in detail in this report.

We also assessed two trees on adjacent properties that had canopies overhanging the subject site. Trees on neighboring properties were documented if they appeared to be significant size and their driplines extended over the property line. All trees on adjacent properties were estimated from the subject site or public property such as the adjacent right-of-way (ROW). We used an alphabetical tree identifier for trees off-site.

#### **Assignment & Scope of Report**

This report outlines the site inspection by Josh Petter and Katie Hogan, of Tree Solutions Inc, on January 2<sup>nd</sup> and January 7<sup>th,</sup> 2020. We were asked to visit the site and assess trees on, and adjacent to, the site that could be impacted by proposed construction. We were asked to produce an arborist report documenting our findings and recommendations. Forrest Jammer, of Osborne Consulting, requested these services for project planning purposes. Photos and a glossary are followed by assumptions and limiting conditions <u>Appendix A</u>, methods <u>Appendix B</u>, and tree protection specifications <u>Appendix C</u>.

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#### **Observations & Discussion**

#### The Site and History

According to King County iMap the subject site consists of one parcel (1826049013), totaling 668,210 square feet, located within the City of Shoreline. The site is currently developed with Washington State Department of Transportation (WSDOT) buildings and parking. There are renovations proposed for additional on-site parking and drainage; as well as, renovations in the ROWs that front N 155<sup>th</sup> Street, Dayton Ave N, and N 160<sup>th</sup> Street.

We observed a number of invasive plant species on the site, including ivy (*Hedera* spp.), English holly (*Ilex aquifolium*), and Himalayan blackberry (*Rubus bifrons*).

#### Site Trees

Many of the trees on-site are native conifers and include western redcedar (*Thuja plicata*), Douglas-fir (*Pseudotsuga menziesii*), and western white pine (*Pinus monticola*). Specifics for each tree can be found in the attached Table of Trees.

There are a large number of small-diameter trees along Dayton Ave N that were planted among existing trees. These appear to have been topped and are suppressed from lack of sunlight.

#### **Adjacent Trees**

We assessed two trees with canopies overhanging the project site (Trees A and B).

#### **Discussion—Construction Impacts**

This report is preliminary as we have not reviewed final construction plans for this area.

We inventoried 296 trees and provide a recommendation (retain, impacted, remove) based on the existing plans for each tree; these can be found in the attached Table of Trees. Retained trees are trees that have very little disturbance or impact from the proposed renovations. Impacted trees are those that could be retained, but the health will likely be impacted by the construction disturbance and removal of adjacent trees. The success of retaining impacted trees will rely on following the tree protection specifications found in Appendix C. Trees recommended for removal are trees that will likely have substantial damage to their health and structure.

#### N 155<sup>th</sup> St

A 6-foot sidewalk is proposed along N 155<sup>th</sup> street that will require removal of a number of trees and impact others (Photograph 1). We assessed 76 total trees along N 155<sup>th</sup> St; 43 of which will likely require removal. In some areas, the proposed sidewalk extends to the north to the existing edge of slope. If slope stabilization is required, methods should be considered that minimize over-excavation and support tree retention. Tree Solutions can provide a detailed specification for this area once plans are

finalized. Some small diameter (2 inches or less) trees are growing throughout this area that could be transplanted to other locations on site.

There is a high concentration of invasive ivy in this area. We recommend removing the ivy to protect the trees that will remain. At a minimum, the ivy should be cut at the base and pulled back to form a 3-foot circle; this helps keep the ivy from growing up the trunk and strangling all of the existing vegetation.

#### Dayton Avenue

Currently, there is a 12-foot parallel parking, 8-foot sidewalk, 18-inch curb, and 5-foot amenity strip proposed within the right-of-way fronting the client's property along Dayton Avenue N (Photograph 2). There are a number of large-statured native trees within this area that will have to be removed to accommodate this improvement. Of particular importance is the concentration of western white pine (*Pinus monticola*) in this area. This tree species is susceptible to white pine blister rust (*Cronartium ribicola*), an invasive pathogen; however, we did not observe this pathogen on these trees. Since this tree species is becoming less and less common across the Pacific Northwest it should be retained wherever possible.

We were asked to assess tree retention based on three scenarios, in which various ROW requirements were reduced. The following three scenarios are from the email sent by Alisa Nguyen, engineer for the City of Shoreline.

- 1. If no on-street parking is provided, but the 5' amenity zone (between curb and sidewalk) and 8' sidewalk is maintained
- 2. If no on-street parking is provided, but the 8' sidewalk is maintained (amenity zone would be between back of sidewalk and property line)
- 3. If no-on street parking is provided, and the sidewalk is reduced to 6' in critical root zones (could also be permeable pavement)

Scenarios 1 and 2 would result in a similar number of trees retained, impacted, and removed. This is due to the comparable levels of disturbance associated with preparing the 5-foot amenity strip behind the sidewalk. If there is no grading and only minimal planting in the amenity strip east of the sidewalk (scenario 2) this would protect additional trees; however, in our experience this is often not the case, and for this assessment we are assuming comparable disturbance in both scenarios. Scenario 2 is better for tree recovery and lessening long-term impacts. Furthermore, option two will allow any new trees to grow larger and provide greater benefits due to the larger soil volume. Protecting trees together with shared soil volume is a better practice than planting trees in a narrow 5-foot strip.

Scenario 3 would result in the least impact to existing trees and would provide the greatest potential tree retention. Permeable pavement is a good option to increase the available air and water that is available to the trees in the future. Typically, the construction of a permeable sidewalk results in comparable levels of disturbance to trees as does a traditional sidewalk.

We inventoried 149 trees along Dayton Avenue (77 through 147 and 156 through 233). There are nine trees greater than 30 inches DSH (98, 106, 113, 115, 127, 132, 140, 145, and 217) along Dayton Avenue,

which would be removed in all three of the proposed scenarios. In general, the larger trees were growing closer to the road, making them more difficult to retain due to additional disturbances.

Counts for trees removed, impacted, and retained can be found in Table 1. Cumulatively, there is a total of 2,079 diameter inches at breast height for these 149 trees. This measurement helps to elucidate the volume of trees being retained and removed in the three scenarios. Sums of inches for removed, impacted, and retained trees can be found in Table 2.

Table 1. Tree retention and removal (count) Dayton Ave N

	Current plans	Scenarios 1 and 2	Scenario 3
Trees Retained	13	72	88
Trees Impacted	31	24	11
Trees Removed	105	53	50

What about impacts to existing tree canopy?

What about similar info for 155th St and 160th St?

Table 2. Tree retention and removal (total inches measured at DSH) Dayton Ave N

	Current plans	Scenarios 1 and 2	Scenario 3
Trees Retained	164	E75	774
(Diameter Inches)  Trees Impacted (Diameter Inches)	302	345	190
Trees Removed (Diameter Inches)	1614	1159	1114

North of the access road along Dayton Ave N, there is no parallel parking proposed, instead there is an improved bus stop and the sidewalk is widened to 8-feet. It appears that there is a 5-foot amenity area proposed east of the sidewalk. A reduction in the sidewalk to 6 feet and the elimination of the amenity area could potentially save all of the trees in that area (209 through 233). This area has a lot of mature trees with visible surface roots extending towards the existing sidewalk. Pneumatic air excavation could be used to dig a trench to explore the locations and concentration of roots from those trees. This would help to better understand the impacts to the trees and how much disturbance would occur between a 6-foot and 8-foot sidewalk. In either scenario we recommend keeping excavation to an absolute minimum to protect the trees. Additionally, we recommend adding coarse arborist woodchip mulch to this area to help retain moisture and improve the soil structure.

#### North 160th Street

The area along North 160<sup>th</sup> Street is proposed to be regraded and replanted with different trees and shrubs. Most of the current trees are proposed for removal to accommodate the change in landscape. We recommend eliminating the grading in this area and retaining the trees that are currently there. Additional trees and plants can be carefully installed around the existing landscape. Invasive plant species should be removed from this area prior to any work or restoration.

There is a grouping of cottonwood (*Populus trichocarpa*) trees (250 through 253) on the northeast corner of the property. These trees are in close proximity to improvements and are heavily covered in ivy. This type of tree species is fast-growing and often drops large branches. These trees should be removed if there is any soil disturbance within their driplines.

#### Storm Drainage

The storm drainage improvements will require a number of trees to be removed. Tree 284 is a 4.1-DSH giant sequoia (*Sequoiadendron giganteum*) in good health and structural condition. This tree is young and a good candidate for transplanting to another planting location on the site (Photograph 4).

#### **Interior Trees**

We assessed a number of trees in the interior of the site that will be impacted by construction. The impacts include parking and pedestrian walkway renovations.

#### Path off Dayton Ave N

There is a pedestrian path originating off of Dayton Ave N that is proposed to be renovated and relocated (Photograph 3). Existing hardscape should be removed carefully so that no equipment is tracked over exposed soils. If equipment access is required in this area it should follow specification in Appendix C.

#### New Path South of Main Building

Tree 274 is a London planetree (*Platanus* x *acerifolia*) in good health and structural condition that is in close proximity to path renovations. Based on the plans the path location is moving to the west through a grove of pines. Tree 274 could be retained if the existing hardscape is carefully removed. It should be removed from north to south and immediately covered with 4 to 6 inches of woodchips to protect the soil from compaction and desiccation or damage to any roots that were exposed.

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#### **Tree Protection**

To safely preserve trees throughout development, we recommend a Tree Protection Zone (TPZ) of 1 foot for every 1 inch of trunk diameter. Alternative TPZ's can be determined by an International Society of Arboriculture certified arborist on a case-by-case basis if the above recommendations cannot be met due to site constraints.

#### Recommendations

- Establish a TPZ around retained trees at 1 foot for every 1 inch of trunk diameter.
  - Provide Tree Solutions with final construction plans to reassess tree retention and protection.
- Follow tree protection standards as stated in SMC 20.50.370 and in the attached Appendix C.
- All pruning should be conducted by an ISA certified arborist and following ANSI A300 specifications (ASC 300 2017, Part 1).
- Consider transplanting small diameter trees to new locations wherever feasible.
- N 155<sup>th</sup> St.
  - Limit over-excavation for new sidewalk and slope stabilization methods along N 155<sup>th</sup> St to support tree retention.
- Dayton Avenue Northwestern section near bus stop
  - Consider reducing width of sidewalk to 6 feet and/or removing amenity area along Dayton Avenue north of WSDOT access road.
  - Use air excavation to excavate the limits of excavation in this area and determine if tree retention is feasible.
  - Add coarse arborist woodchip throughout entire landscaped area to improve growing conditions.
- N 160<sup>th</sup> St.
  - Consider retaining the existing landscaping along N 160<sup>th</sup> St and installing new plants around existing vegetation.
- Remove all invasive plants during development and restoration. Priority should be to remove the invasive ivy that can strangle and kill trees.



15700 Dayton Ave N Shoreline, WA 98133 **Arborist:** JP + KH **Date of Inventory:** 01.02.2020

Table Prepared: 01.14.2020

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

DSH for multi-stem trees are noted as a single stem equivalent, which is calculated by averaging all stem measurements.

Letters are used to identify trees on neighboring property with overhanging canopies.

*Dripline is measured from the center of the tree to the outermost extent of the canopy.* 

SMC defines a significant tree as a conifer 8 inches or greater DSH and 12 inches or greater for a non conifer.

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Tree ID	Scientific Name	Common Name	<b>DSH</b> (inches)	DSH Multistem	Health Condition	Structural Condition	Dripline Radius (feet)	Locatio n	Proposed Action	Scenario 1	Scenario 3	Notes
1	X Cuprocyparis leylandii	Leyland cypress	6.2	8.5,8.3,8,5. 5,4,3	Good	Good	11.3	N 155th Street	Remove	_	_	lvy on trunk, on slope, pavement in dripline
2	X Cuprocyparis leylandii	Leyland cypress	7.0	9,5	Fair	Good	5.3	N 155th Street	Remove	-	_	Ivy on trunk, suppressed, slope, low live crown ratio
3	Picea abies	Norway spruce	23.0		Good	Good	19.0	N 155th Street	Remove	_	_	Codominant at 4 ft, west trunk removed, ivy on trunk, pavement within dripline, on slope, phototropic to south
4	Pseudotsuga menziesii	Douglas-fir	11.9		Good	Good	15.5	N 155th Street	Remove	_	_	On top of slope, low live crown ratio, ivy at base, potential retention
5	Picea abies	Norway spruce	14.0		Good	Good	16.6	N 155th Street	Remove	_	_	Ivy on trunk, phototropic to south, low live crown ratio
6	Picea abies	Norway spruce	23.0		Good	Good	16.0	N 155th Street	Remove	_	_	Low live crown ratio, ivy on trunk, pavement within dripline, second trunk to south
7	Picea abies	Norway spruce	23.0		Good	Good	19.0	N 155th Street	Remove	_	_	Ivy in canopy, dripline over pavement



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Tree ID	Scientific Name	Common Name	DSH (inches)	DSH Multistem	Health Condition	Structural Condition	Dripline Radius (feet)	Locatio n	Proposed Action	Scenario 1	Scenario 3	Notes
8	Picea abies	Norway spruce	24.0		Good	Good	16.0	N 155th Street	Remove	-	_	Codominant at 5 feet, narrow union, large amount of ivy on trunk, dripline over pavement, pitch tube near union, measured DSH below union
9	Pseudotsuga menziesii	Douglas-fir	14.0		Good	Good	18.6	N 155th Street	Remove	_	_	Ivy on trunk, large ivy, pavement under drip, phototropic to south
10	Picea abies	Norway spruce	15.0		Good	Fair	19.6	N 155th Street	Remove	_	_	Phototropic to south, narrow union, drip over pavement, growth deficits below union, measured below codominant at 5 feet
11	Picea abies	Norway spruce	13.5		Good	Good	17.6	N 155th Street	Remove	-	-	Dripline over pavement, phototropic to south, ivy at base
12	Acer macrophyllum	Bigleaf maple	12.0		Good	Good	32.5	N 155th Street	Remove	-	-	Ivy at base, phototropic to south, on top of slope, drip over pavement
13	Pseudotsuga menziesii	Douglas-fir	3.8		Good	Good	7.2	N 155th Street	Remove	-	-	11 feet from edge of road, maybe good long-term tree, edge of slope
14	Picea abies	Norway spruce	12.0		Good	Good	16.5	N 155th Street	Remove	-	-	Phototropic to south, ivy at base, drip over pavement
15	Picea abies	Norway spruce	11.3		Good	Good	16.5	N 155th Street	Remove	_	_	Phototropic to south, ivy at base
16	Alnus rubra	Red alder	6.0		Poor	Poor	15.3	N 155th Street	Remove	-	-	Stilted roots, one live trunk, reduce height into a snag
17	Pseudotsuga menziesii	Douglas-fir	1.5		Good	Good	3.6	N 155th Street	Impacted	-	-	Edge of slope, retain or transplant, 2 feet to edge of slope
18	Picea abies	Norway spruce	13.0		Good	Good	15.5	N 155th Street	Remove	-	-	Ivy at base, phototropic to south



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Tree ID	Scientific Name		<b>DSH</b> (inches)	DSH Multistem	Health Condition	Structural Condition	Dripline Radius (feet)	n	Action	Scenario 1 and 2	Scenario 3	Notes
19	Picea abies	Norway spruce	15.7		Good	Good	16.7	N 155th Street	Remove	-	_	Pitching on trunk, pruning wounds
20	Pseudotsuga menziesii	Douglas-fir	17.9		Good	Good	17.7	N 155th Street	Remove	-	-	lvy at base, top of slope, photropic to south
21	Picea abies	Norway spruce	9.5		Good	Good	0.4	N 155th Street	Remove	-	-	Codominant at 5 feet, west stem small
22	Picea abies	Norway spruce	9.3		Good	Good	10.4	N 155th Street	Remove	-	-	Included bark at codominant union, ivy at base
23	X Cuprocyparis leylandii	Leyland cypress	6.4		Good	Good	10.3	N 155th Street	Remove	-	-	Phototropic to south, ivy at base
24	X Cuprocyparis leylandii	Leyland cypress	5.5	5,5.5,6	Good	Good	10.7	N 155th Street	Remove	-	-	Scotch broom at base
25	Pseudotsuga menziesii	Douglas-fir	7.0		Good	Good	10.3	N 155th Street	Impacted	-	-	Edge of slope, 10 feet to road
26	Pseudotsuga menziesii	Douglas-fir	12.5		Good	Good	18.5	N 155th Street	Remove	-	-	Phototropic to south
27	X Cuprocyparis leylandii	Leyland cypress	4.5	5,4	Good	Fair	6.2	N 155th Street	Remove	-	-	Trunks wrapping around each other, included bark in union, ivy at base
28	Pseudotsuga menziesii	Douglas-fir	6.8		Good	Good	8.3	N 155th Street	Impacted	-	_	Swept base, edge of slope, 12 feet from road edge
29	Picea abies	Norway spruce	10.2		Good	Good	14.4	N 155th Street	Remove	-	-	Codominant at 5 feet, included bark, subordinate stem to northeast to improve structure
30	Picea abies	Norway spruce	12.6		Good	Good	14.0	N 155th Street	Remove	-	-	Ivy at base



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Tree ID 31	Scientific Name Pseudotsuga menziesii	Common Name Douglas-fir	DSH (inches)	DSH Multistem	Health Condition Good	Structural Condition Good	Dripline Radius (feet)	n	Proposed Action Remove	Scenario 1 and 2	Scenario 3	<b>Notes</b> Edge of slope, ivy at base, 12.5 ft edge of road
32	Picea abies	Norway spruce	8.2		Good	Good	12.8	N 155th Street	Remove	-	_	
33	Pseudotsuga menziesii	Douglas-fir	12.7		Good	Good	16.5	N 155th Street	Impacted	-	_	Ivy on trunk, edge of slope, shared canopy
34	Pseudotsuga menziesii	Douglas-fir	9.5		Good	Good	17.4	N 155th Street	Impacted	-	_	Ivy on trunk, edge of slope, shared canopy
35	Picea abies	Norway spruce	12.7		Good	Good	14.5	N 155th Street	Remove	-	_	Ivy on trunk, phototropic to south
36	Picea abies	Norway spruce	20.9		Good	Fair	17.9	N 155th Street	Remove	_	_	Codominant at 6 feet with included bark in the union, additional codominant further up
37	Pseudotsuga menziesii	Douglas-fir	9.7		Good	Good	10.4	N 155th Street	Impacted	-	_	Ivy on trunk
38	X Cuprocyparis leylandii	Leyland cypress	6.0		Good	Good	11.3	N 155th Street	Remove	-	_	lvy on trunk
39	Pseudotsuga menziesii	Douglas-fir	4.7		Good	Good	4.2	N 155th Street	Remove	-	_	Low live crown ratio, ivy at base
40	X Cuprocyparis leylandii	Leyland cypress	10.0		Good	Good	12.4	N 155th Street	Remove	-	_	Ivy on trunk
41	Picea abies	Norway spruce	12.1	14.2,10	Good	Good	16.5	N 155th Street	Remove	-	-	Codominant at 4 feet, good u-shaped union, ivy at base
42	Picea abies	Norway spruce	14.6		Good	Good	16.6	N 155th Street	Remove	-	_	Ivy at base, road in dripline, steep slope



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Tree ID	Scientific Name	Common Name	<b>DSH</b> (inches)	DSH Multistem	Health Condition	Structural Condition	Dripline Radius (feet)	Locatio n	Proposed Action	Scenario 1	Scenario 3	Notes
43	Picea abies	Norway spruce	24.5		Good	Fair	18.5	N 155th Street	Remove	-	-	Large swelling around narrow union, likely codominant from base that has started to graft, ivy at base
44	Pseudotsuga menziesii	Douglas-fir	15.5		Good	Good	13.6	N 155th Street	Impacted	-	_	Ivy at base, could be retained maybe, landscape fabric at base
45	Pseudotsuga menziesii	Douglas-fir	20.0		Good	Good	20.8	N 155th Street	Impacted	-	_	Surface roots, canopy raised, spruce roots growing over fir roots
46	Picea abies	Norway spruce	15.2		Good	Good	13.6	N 155th Street	Remove	-	_	Blackberry at base, roots growing over tree 45 roots
47	Picea abies	Norway spruce	6.4		Good	Good	7.3	N 155th Street	Remove	-	_	Swept base, suppressed
48	Picea abies	Norway spruce	8.5		Good	Good	7.4	N 155th Street	Remove	-	-	Suppressed
49	Picea abies	Norway spruce	24.5		Good	Fair	16.0	N 155th Street	Remove	-	_	Codominant, crack in union, maybe movement between union, pitching, measured at narrowest point below union
50	Picea abies	Norway spruce	23.9		Good	Fair	14.0	N 155th Street	Remove	-	_	Measured at narrowest point below union, growth deficit under codominant union, pitching on trunk, surface roots, landscape fabric at base
51	Pseudotsuga menziesii	Douglas-fir	22.5		Good	Good	15.9	N 155th Street	Impacted	-	-	Ivy on trunk
52	Pseudotsuga menziesii	Douglas-fir	14.5		Good	Good	13.6	N 155th Street	Impacted	-	-	Ivy on trunk
53	Pseudotsuga menziesii	Douglas-fir	6.5		Good	Good	12.3	N 155th Street	Impacted	-	-	Swept base to northeast away from tree 52, ivy at base



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Tree ID 54	Scientific Name Pseudotsuga menziesii	Common Name Douglas-fir	DSH (inches)	DSH Multistem	Health Condition	Structural Condition Good	Dripline Radius (feet) 12.5	n	Proposed Action Impacted	Scenario 1 and 2	Scenario 3	Notes Ivy at base, nearby light pole
55	Pseudotsuga menziesii	Douglas-fir	12.3		Good	Good	14.5	N 155th Street	Impacted	_	_	Ivy at base
56	Pseudotsuga menziesii	Douglas-fir	17.8		Good	Good	17.7	N 155th Street	Impacted	_	_	Shared canopy with 57, ivy on trunk
57	Thuja plicata	Western redcedar	5.0		Good	Good	6.2	N 155th Street	Retain	-	-	Shared canopy with 56, shared roots, ivy on trunk
58	Pseudotsuga menziesii	Douglas-fir	11.3		Good	Good	12.5	N 155th Street	Retain	-	-	Stilted roots, ivy at base, surface roots
59	Pseudotsuga menziesii	Douglas-fir	13.2		Good	Good	14.6	N 155th Street	Retain	-	-	Swept base, surface roots, ivy at base
60	Pseudotsuga menziesii	Douglas-fir	13.1		Good	Good	12.5	N 155th Street	Retain	-	-	Swelling at 2 feet, ivy on trunk, stilted roots
61	Pseudotsuga menziesii	Douglas-fir	14.0		Good	Good	14.6	N 155th Street	Impacted	-	-	Stilted roots, ivy at base
62	Pseudotsuga menziesii	Douglas-fir	12.7		Good	Good	11.5	N 155th Street	Retain	-	-	Ivy at base
63	Pseudotsuga menziesii	Douglas-fir	16.8		Good	Good	15.7	N 155th Street	Impacted	-	-	Ivy at base
64	Arbutus menziesii	Pacific madrone	2.3		Good	Good	6.1	N 155th Street	Retain	-	-	Phototropic to north
65	Pseudotsuga menziesii	Douglas-fir	14.0		Good	Good	10.6	N 155th Street	Retain	-	-	Ivy at base



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Tree ID 66	Scientific Name Pseudotsuga menziesii	Common Name Douglas-fir	DSH (inches)	DSH Multistem	Health Condition Good	Structural Condition Good	Dripline Radius (feet)	Locatio n N 155th Street	Action	Scenario 1 and 2	Scenario 3	Notes Ivy at base
67	Pseudotsuga menziesii	Douglas-fir	11.0		Good	Good	10.5		Impacted	_	_	Ivy at base
68	Pseudotsuga menziesii	Douglas-fir	15.7		Good	Good	14.7	N 155th Street	Impacted	_	-	Ivy at base
69	Pseudotsuga menziesii	Douglas-fir	15.0		Good	Good	16.6	N 155th Street	Impacted	-	-	Ivy at base
70	Pseudotsuga menziesii	Douglas-fir	13.9		Good	Good	11.6	N 155th Street	Impacted	-	-	Ivy at base
71	Pseudotsuga menziesii	Douglas-fir	18.8		Good	Good	12.8	N 155th Street	Impacted	-	-	Ivy at base
72	Pseudotsuga menziesii	Douglas-fir	13.0		Good	Good	9.5	N 155th Street	Impacted	-	-	Ivy at base, low live crown ratio
73	Pseudotsuga menziesii	Douglas-fir	18.0		Good	Good	14.8	N 155th Street	Impacted	-	-	Ivy on trunk
74	Pseudotsuga menziesii	Douglas-fir	12.9		Good	Fair	11.5	N 155th Street	Impacted	-	-	Spiral swelling maybe from tree stake
75	Alnus rubra	Red alder	8.8	8.5,8,10	Good	Fair	18.4	N 155th Street	Remove	-	-	Multistem at base, ivy at base
76	Pseudotsuga menziesii	Douglas-fir	18.8		Good	Good	15.8	N 155th Street	Impacted	-	-	Ivy on trunk, at edge of retaining wall
77	Pseudotsuga menziesii	Douglas-fir	16.3		Good	Good	17.7	Dayton Ave N	Impacted	Retain	Retain	Concrete at base



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Tree ID 78	Scientific Name X Cuprocyparis	Common Name Leyland	DSH (inches)	DSH Multistem 2,4,4,3,3	Health Condition Good	Structural Condition Fair	Dripline Radius (feet)	Locatio n Dayton	Proposed Action	Scenario 1 and 2 Retain	Scenario 3	Notes Syrvey location wrong, dense canopy,
79	leylandii Thuja plicata	cypress Western redcedar	5.0	6,4	Good	Good	8.2	Ave N  Dayton  Ave N	Impacted	Retain	Retain	Suppressed, codominant at 4 feet
80	Pseudotsuga menziesii	Douglas-fir	20.2		Good	Fair	22.8	Dayton Ave N	Remove	Impacted	Impacted	Some pitching on trunk, previously broken top
81	Pseudotsuga menziesii	Douglas-fir	24.4	19.3,29.5	Good	Good	21.5	Dayton Ave N	Remove	Remove	Remove	Codominant at base, good union, buried root flare
82	Pseudotsuga menziesii	Douglas-fir	10.6		Good	Good	11.9	Dayton Ave N	Remove	Retain	Retain	Phototropic to east
83	Pseudotsuga menziesii	Douglas-fir	9.2		Good	Good	11.4	Dayton Ave N	Impacted	Retain	Retain	Suppressed, not on survey, fence in trunk
84	Pseudotsuga menziesii	Douglas-fir	5.0		Good	Good	9.2	Dayton Ave N	Impacted	Retain	Retain	Suppressed
85	Pseudotsuga menziesii	Douglas-fir	6.0		Good	Good	9.3	Dayton Ave N	Impacted	Retain	Retain	Suppressed
86	Pseudotsuga menziesii	Douglas-fir	9.1	14.2,4	Good	Good	16.4	Dayton Ave N	Impacted	Retain	Retain	Codominant, narrow union
87	Pseudotsuga menziesii	Douglas-fir	4.5		Good	Good	7.2	Dayton Ave N	Impacted	Retain	Retain	Suppressed
88	Pseudotsuga menziesii	Douglas-fir	4.0		Good	Good	4.2	Dayton Ave N	Impacted	Retain	Retain	Suppressed
89	Pseudotsuga menziesii	Douglas-fir	6.5		Good	Good	5.3	Dayton Ave N	Impacted	Retain	Retain	Suppressed



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<b>Tree ID</b> 90	Scientific Name Pseudotsuga	Common Name Douglas-fir	DSH (inches)	DSH Multistem	Health Condition	Structural Condition Good	Dripline Radius (feet)	Locatio n Dayton	Action	Scenario 1 and 2 Retain	Scenario 3	Notes Suppressed
30	menziesii	Douglas-III	7.0		Good	Good	10.5	Ave N	impacteu	Netaiii	Netaili	Suppressed
91	Pseudotsuga menziesii	Douglas-fir	3.5		Good	Good	11.1	Dayton Ave N	Remove	Retain	Retain	Suppressed,
92	Arbutus menziesii	Pacific madrone	1.7		Good	Good	7.1	Dayton Ave N	Impacted	Retain	Retain	Lean to the east
93	Pseudotsuga menziesii	Douglas-fir	29.8		Good	Good	17.2	Dayton Ave N	Remove	Remove	Remove	Save tree sign on it, large root flare to west
94	Pseudotsuga menziesii	Douglas-fir	3.7		Good	Good	9.2	Dayton Ave N	Remove	Retain	Retain	Suppressed
95	Pseudotsuga menziesii	Douglas-fir	5.0		Good	Good	6.2	Dayton Ave N	Impacted	Retain	Retain	Suppressed
96	Pseudotsuga menziesii	Douglas-fir	14.2		Fair	Fair	14.6	Dayton Ave N	Remove	Remove	Impacted	Pitch tubes, burls, lost top, Fomitopsis cajanderi
97	Pseudotsuga menziesii	Douglas-fir	22.4		Good	Good	13.9	Dayton Ave N	Remove	Remove	Impacted	Lean to w
98	Pseudotsuga menziesii	Douglas-fir	31.7		Good	Good	24.3	Dayton Ave N	Remove	Remove	Remove	Sign on tree, near bus stop and compacted soil
99	Arbutus menziesii	Pacific madrone	5.5	7.5,3.5	Good	Fair	13.2	Dayton Ave N	Remove	Retain	Retain	Codominant at 2 ft, old branch tear outs, lean to w
100	Pseudotsuga menziesii	Douglas-fir	20.0		Good	Good	12.8	Dayton Ave N	Remove	Remove	Remove	
101	Pseudotsuga menziesii	Douglas-fir	6.3		Good	Good	7.3	Dayton Ave N	Remove	Retain	Retain	Suppressed



15700 Dayton Ave N Shoreline, WA 98133

							Dripline						
Tree		Common	DSH	DSH	Health	Structural	Radius	Locatio	Proposed	Scenario 1			
ID	Scientific Name		(inches)	Multistem	Condition	Condition	(feet)	n	Action	and 2	Scenario 3	Notes	
102	Pseudotsuga	Douglas-fir	10.0		Good	Good	10.4	Dayton	Remove	Retain	Retain	Suppressed	
	menziesii							Ave N					
103	Pseudotsuga menziesii	Douglas-fir	13.5		Good	Fair	14.6	Dayton Ave N	Remove	Remove	Remove	Pitch tubes, previously broken top, leader correcting	
104	Pseudotsuga menziesii	Douglas-fir	20.0		Good	Good	12.8	Dayton Ave N	Remove	Remove	Remove	Rootzone has compacted pavement, bus stop	
105	Pseudotsuga menziesii	Douglas-fir	5.8		Good	Good	8.2	Dayton Ave N	Remove	Retain	Retain	Canopy low down	
106	Pinus monticola	Western white pine	30.9		Good	Good	12.3	Dayton Ave N	Remove	Remove	Remove	Sign on tree, very close to compacted soil from bus	
107	Pseudotsuga menziesii	Douglas-fir	22.2		Good	Good	16.9	Dayton Ave N	Remove	Remove	Remove	Save tree sign	
108	Pseudotsuga menziesii	Douglas-fir	14.0		Fair	Fair	12.6	Dayton Ave N	Remove	Remove	Remove	Pitching on trunk, buried root flare, broken top	
109	Pseudotsuga menziesii	Douglas-fir	5.8		Good	Good	12.2	Dayton Ave N	Remove	Retain	Retain	Suppressed	
110	Pseudotsuga menziesii	Douglas-fir	6.2		Good	Good	10.3	Dayton Ave N	Remove	Retain	Retain		All work is
111	Pseudotsuga menziesii	Douglas-fir	5.0		Good	Good	11.2	Dayton Ave N	Remove	Retain	Retain	Suppressed outsidarea	e critical root
112	Pseudotsuga menziesii	Douglas-fir	21.8		Good	Fair	16.9	Dayton Ave N	Remove	Remove	Remove	Save tree sign, compacted pavement in drip, broken top	
113	Pseudotsuga menziesii	Douglas-fir	36.0		Excellent	Good	19.5	Dayton Ave N	Remove	Remove	Remove 2	Large root flare, dominant tree, high priority tree	



15700 Dayton Ave N Shoreline, WA 98133 **Arborist:** JP + KH **Date of Inventory:** 01.02.2020

Table Prepared: 01.14.2020

Tree ID	Scientific Name	Common Name	DSH (inches)	DSH Multistem	Health Condition	Structural Condition	Dripline Radius (feet)	Locatio n	Proposed Action	Scenario 1	Scenario 3	Notes
114	Pseudotsuga	Douglas-fir	11.9	Iviaitisteiii	Fair	Fair	15.5		Remove	Remove	Remove	Lean to west, broken top
	menziesii	Jougius III						Ave N			1	
115	Pinus monticola	Western white pine	44.6		Good	Fair	14.9	Dayton Ave N	Remove	Remove	Remove	Included bark in codominant trunks, western trunk starting to lean, good response wood, union looks ok but there are large portions above junction which could make it worse, eastern trunk has considerable dieback, which is naturally subordinating
116	Pseudotsuga menziesii	Douglas-fir	7.1		Good	Good	9.3	Dayton Ave N	Remove	Impacted	Retain	Suppressed
117	Pseudotsuga menziesii	Douglas-fir	10.0		Good	Good	10.4	Dayton Ave N	Remove	Retain	Retain	Suppressed Why? All work outside critical root
118	Pseudotsuga menziesii	Douglas-fir	15.4		Good	Good	15.6	Dayton Ave N	Remove	Retain	Retain	Suppressed, area
119	Pseudotsuga menziesii	Douglas-fir	20.0		Good	Good	20.8	Dayton Ave N	Remove	Remove	Remove 4	vy at base
120	Pseudotsuga menziesii	Douglas-fir	16.5		Good	Good	11.7	Dayton Ave N	Remove	Impacted	Retain	Why? All work
121	Pseudotsuga menziesii	Douglas-fir	5.6		Good	Good	12.2	Dayton Ave N	Remove	Retain	Retain	Suppressed Outside critical ro area
122	Pinus monticola	Western white pine	8.3		Good	Good	14.3	Dayton Ave N	Remove	Remove 2	Impacted	Suppressed
123	Pseudotsuga menziesii	Douglas-fir	17.7		Good	Fair	20.7	Dayton Ave N	Remove	Impacted	Retain	Fence enveloped in trunk, cut away fence if retained
124	Pinus monticola	Western white pine	8.0		Good	Good	11.3	Dayton Ave N	Remove	Impacted	Retain	Fence enveloped in trunk



Could these be saved with the use of permeable pavement or some other

# **Table of Trees**

15700 Dayton Ave N Shoreline, WA 98133

Arborist: JP + KH Date of Inventory: 01.02.2020

**Table Prepared**: 01.14.2020

	T	0001170					1					
Tree		common	DSH (inches)	DSH	Health	Structural	Dripline Radius			Scenario 1	Canacii: 2	N
	Scientific Name		(inches)	Multistem	Condition	Condition	(feet)	n	Action	and 2	Scenario 3	
125	Pseudotsuga menziesii	Douglas-fir	23.2		Good	Fair	18.0	Ave N	Remove	Remove	Remove	Previously broken top, with new leader overcorrected
126	₹huja plicata	Western redcedar	26.5		Good	Good	17.1	Dayton Ave N	Remove	Remove	Remove	Near compacted gravel
127	Pinus monticola	Western white pine	39.0		Good	Good	17.6	Dayton Ave N	Remove	Remove	Remove	Sign on tree, compacted gravel only a couple ft from tree
128	Pseudotsuga menziesii	Douglas-fir	17.9		Good	Fair	12.7	Dayton Ave N	Remove	Remove	Remove	Shared canopy with 129, broken top
129	Pseudotsuga menziesii	Douglas-fir	22.0		Good	Good	13.9	Dayton Ave N	Remove	Remove	Remove	Shared canopy with 128, save tree sign, close to road
130	Pinus monticola	Western white pine	28.8		Good	Good	17.2	Dayton Ave N	Remove	Remove	Remove	Dieback on low branches, buried root flare
131	Rseudotsuga menziesii	Douglas-fir	25.0		Good	Good	15.0	Dayton Ave N	Remove	Remove	Remove	Buried root flare, near pavement
132	Aseudotsuga menziesii	Douglas-fir	39.2		Good	Good	26.6	Dayton Ave N	Remove	Remove	Remove	Buried root flare, near pavement
133	Thuja plicata	Western redcedar	9.5		Good	Good	12.4	Dayton Ave N	Remove	Impacted	Retain	Close to fence on east side
134	seudotsuga menziesii	Douglas-fir	23.4		Good	Good	21.0	Dayton Ave N	Remove	Remove	Remove	Lean to s, slow growth at base,
135	Thuja plicata	Western redcedar	12.2		Good	Good	18.5	Dayton Ave N	Remove	Remove	Remove	Slightly suppressed, truck or bus damage on low branches
136	Pseudotsuga menziesii	Douglas-fir	14.4		Good	Good	15.6	Dayton Ave N	Remove	Remove	Remove	Suppressed



15700 Dayton Ave N Shoreline, WA 98133 **Arborist:** JP + KH **Date of Inventory:** 01.02.2020

Table Prepared: 01.14.2020

# Could these be saved with the use of

			– permeal	ole pav	ement			]					
			or some	other									
			measure	?				Duinline					
Tr	ee		Common	DSH	DSH	Health	Structural	Dripline Radius	Locatio	Pronosed	Scenario 1		
1	$\overline{}$	Scientific Name	Name	(inches)	Multistem	Condition	Condition	(feet)	n	Action	and 2	Scenario 3	Notes
13		Pseudotsuga	Douglas-fir	25.7	- Indiciocom	Good	Good	18.1		Remove	Remove		Close to fire hydrant
	-	menziesii							Ave N				
13	88	Pseudotsuga menziesii	Douglas-fir	23.0		Good	Good	17.0	Dayton Ave N	Remove	Remove	Remove	Close to fire hydrant
13	9	Pseudotsuga menziesii	Douglas-fir	7.0		Good	Good	8.3	Dayton Ave N	Remove	Impacted	Retain	
14	10	Pseudotsuga menziesii	Douglas-fir	38.5		Excellent	Good	18.6	Dayton Ave N	Remove	Remove	Remove	14 feet from fog line, unlikely retention
14	1	Pseudotsuga menziesii	Douglas-fir	15.1		Good	Good	16.6	Dayton Ave N	Remove	Remove	Remove	Only one tree at location
14	12	Pseudotsuga menziesii	Douglas-fir	13.5		Good	Good	11.6	Dayton Ave N	Remove	Remove	Remove	Very close to pavement
14	13	Pseudotsuga menziesii	Douglas-fir	14.7	10.7,18.7	Good	Good	16.6	Dayton Ave N	Remove	Remove	Remove	Trees have two symbols in this area
14	14	Pseudotsuga menziesii	Douglas-fir	21.0		Good	Good	13.9	Dayton Ave N	Remove	Remove	Remove	
14	15	Pinus monticola	Western white pine	32.3		Good	Good	23.3	Dayton Ave N	Remove	Remove	Remove	Girdling root on west side, much of rootzone paved, lower branch dieback
14	6	Pseudotsuga menziesii	Douglas-fir	22.0		Good	Good	22.9	Dayton Ave N	Remove	Remove	Remove	Lots of pavement in rootzone, surface roots
14	17	Chamaecyparis Iawsoniana	Lawson's cypress	7.8	7.2,6,10.3	Good	Good	8.3	Dayton Ave N	Remove	Remove	Remove	Surface roots, included bark in unions at base
14	18	Pseudotsuga menziesii	Douglas-fir	14.9		Good	Good	14.6		Remove	-	-	Surface roots, shallow pavement raising near path
14	19	Pinus nigra	Austrian black pine	18.0		Good	Good	15.8		Retain	_	-	Surface roots, compacted soil lots of chlorotic needles



15700 Dayton Ave N Shoreline, WA 98133

							)					
Tree ID	Scientific Name	Common Name	<b>DSH</b> (inches)	DSH Multistem	Health Condition	Structural Condition	Dripline Radius (feet)	Locatio	Proposed Action	Scenario 1	Scenario 3	Notes
150	Pseudotsuga	Douglas-fir	16.6	iviuitistem	Good	Good	12.7	11	Impacted	anu z	Scenario 5	Surface roots, pavement raising
130	menziesii	Douglas III	10.0			Coou			Impacted	-	-	Surface roots, pavement raising
151	Pinus nigra	Austrian black pine	22.0		Fair	Good	16.9		Retain	-	-	Surface roots, girdling roots, needle dieback, frass, pitch tubes
152	Pinus nigra	Austrian black pine	18.0		Good	Good	14.8		Retain	-	-	Surface roots
153	Pinus nigra	Austrian black pine	19.0		Good	Good	15.8		Retain	_	_	Surface roots, kinked top
154	Pseudotsuga menziesii	Douglas-fir	16.0		Good	Good	14.7		Retain	-	-	Surface roots
155	Pseudotsuga menziesii	Douglas-fir	17.5		Good	Good	12.7		Remove	-	-	Surface roots, pavement lifting
156	Pinus contorta var. latifolia	Lodgepole pine	14.4		Fair	Good	13.6	Dayton Ave N	Retain	Retain	Retain	Surface roots
157	Picea abies	Norway spruce	4.0	4.5,3.4	Good	Fair	6.2	Dayton Ave N	Remove	Remove	Remove	
158	Thuja plicata	Western redcedar	7.8	7.5,8.1	Good	Fair	10.3	Dayton Ave N	Remove	Retain	Retain	Codominant at 3 ft, included bark
159	Picea abies	Norway spruce	6.2	6.2,6.2	Good	Good	10.3	Dayton Ave N	Remove	Retain	Retain	Limbed up
160	Chamaecyparis lawsoniana	Lawson's cypress	8.7		Good	Good	7.4	Dayton Ave N	Remove	Impacted	Retain	
161	Picea abies	Norway spruce	7.5		Fair	Fair	8.3	Dayton Ave N	Remove	Impacted	Retain	Measure at narrowest point below union
162	Pseudotsuga menziesii	Douglas-fir	6.2		Good	Good	9.3	Dayton Ave N	Remove	Retain	Retain	Suppressed
163	Thuja plicata	Western redcedar	3.3	4,5,3,3,3,2	Poor	Fair	10.1	Dayton Ave N	Remove	Impacted	Retain	60 to 70 percent dieback



15700 Dayton Ave N Shoreline, WA 98133

Tree ID	Scientific Name Arbutus	Common Name Pacific	DSH (inches) 8.8	DSH Multistem	Health Condition	Structural Condition Good	Dripline Radius (feet)	n	Proposed Action Remove	Scenario 1 and 2 Retain	Scenario 3	Notes Phototropic to east	_
165	menziesii Thuja plicata	madrone Western redcedar	5.8	4.6,7	Good	Good	7.2	Ave N  Dayton  Ave N	Remove	Retain	Retain	Suppressed	_
166	Picea abies	Norway spruce	8.2		Fair	Fair	8.3	Dayton Ave N	Remove	Retain	Retain	Broken top, dieback	-
167	Arbutus menzies <del>ii</del>	Pacific madrone	19.7		Good	Good	25.8	Dayton Ave N	Remove	Impacted	Retain	Lean to east, small bit of decay	
168	Pseudotsuga menziesii	Douglas-fir	6.4		Good	Good	8.3	Dayton Ave N	Remove	Impacted	Retain		1
169 🤜	Pseudotsuga menziesii	Douglas-fir	19.5		Good	Good	15.8	Dayton Ave N	Remove	Impacted	Impacted	Top of slope, canopy to east	
170	X Cuprocyparis leylandii	Leyland cypress	3.4	4.5,6,5,4,3, 2,2,2,2	Good	Fair	10.1	Dayton Ave N	Remove	Retain	Retain	Minor dieback All wor	k outside of
171	X Cuprocyparis leylandii	Leyland cypress	4.7	6,4,4	Good	Fair	8.2	Dayton Ave N	Remove	Retain	Retain	is this s	root area ,wh shown as
172	Pseudotsuga menziesii	Douglas-fir	8.8		Good	Good	6.4	Dayton Ave N	Impacted	Retain	Retain	Suppressed impactor	tu (
173	Pseudotsuga menziesii	Douglas-fir	5.0		Good	Good	<del>10</del> .2	Dayton Ave N	Remove	Retain	Retain	Suppressed	
174	Pseudotsuga menziesii	Douglas-fir	5.5		Good	Good	8.2	Dayton Ave N	Remove	Retain	Retain	Suppressed	
175 🗲	Pseudotsuga menziesii	Douglas-fir	17.5		Good	Good	15.7	Dayton Ave N	Impacted	Impacted	Retain		



All work outside of critical root area ,why is this shown as impacted?

# **Table of Trees** 15700 Dayton Ave N Shoreline, WA 98133

	Common	DSH	DSH	Health	Structural	Dripline Radius		Proposed	Scenario 1		
Seientific Name	/	(inches)	Multistem	Condition	Condition	(feet)	n	Action	and 2	Scenario 3	
Pseudotsuga menziesii	Douglas-fir	14.5		Good	Good	9.6	Dayton Ave N	Remove	Impacted	Retain	Some branches trying to assume dominance
Pseudotsuga menziesli	Douglas-fir	10.5		Good	Good	9.4	Dayton Ave N	Impacted	Retain	Retain	Suppressed
Pseudotsuga nienziesii	Douglas-fir	15.8		Good	Good	11.7	Dayton Ave N	Impacted	Retain	Retain	
Pseudotsuga menziesii	Douglas-fir	18.2		Good	Good	14.8	Dayton Ave N	Impacted	Impacted	Retain	Pitch on trunk , canopy to east
Thuja plicata	Western redcedar	7.0	9,5	Fair	Good	9.3	Dayton Ave N	Impacted	Retain	Retain	Codominant at base, thin top
Thuja plicata	Western redcedar	7.8		Fair	Good	7.3	Dayton Ave N	Impacted	Retain	Retain	Thin top
Thuja plicata	Western redcedar	4.0	5,4,3	Fair	Good	8.2	Dayton Ave N	Remove	Retain	Retain	Lots of dieback
Thuja plicata	Western redcedar	5.5	5,6	Good	Fair	7.2	Dayton Ave N	Remove	Retain	Retain	Narrow unions
Pseudotsuga menziesii	Douglas-fir	10.0	10.7,9.3	Good	Good	11.4	Dayton Ave N	Retain	Retain	Retain	Codominant at base, narrow union, suppressed
Pseudotsuga menziesii	Douglas-fir	14.2		Good	Good	12.6	Dayton Ave N	Retain	Retain	Retain	Broken top, corrected
Pseudotsuga menziesii	Douglas-fir	13.0		Good	Good	11.5	Dayton Ave N	Retain	Retain	Retain	
Pseudotsuga menziesii	Douglas-fir	11.6	10.8,13,11	Good	Good	15.5	Dayton Ave N	Retain	Retain	Retain	Multistem at base
	menziesii Pseudotsuga menziesii Pseudotsuga menziesii Pseudotsuga menziesii Thuja plicata Thuja plicata Thuja plicata Thuja plicata Pseudotsuga menziesii Pseudotsuga menziesii Pseudotsuga menziesii Pseudotsuga menziesii	Pseudotsuga Douglas-fir Pseudotsuga Western redcedar  Thuja plicata Western redcedar  Thuja plicata Western redcedar  Thuja plicata Western redcedar  Thuja plicata Douglas-fir Pseudotsuga Douglas-fir menziesii  Pseudotsuga Douglas-fir Do	Pseudotsuga Douglas-fir 10.5  Pseudotsuga Douglas-fir 15.8  Pseudotsuga Douglas-fir 18.2  Pseudotsuga Western redcedar  Thuja plicata Western redcedar  Thuja plicata Western redcedar  Thuja plicata Western redcedar  Thuja plicata Douglas-fir 10.0  Pseudotsuga Douglas-fir 10.0  Pseudotsuga Douglas-fir 14.2  Pseudotsuga Douglas-fir 13.0  Pseudotsuga Douglas-fir 13.0  Pseudotsuga Douglas-fir 13.0  Pseudotsuga Douglas-fir 13.0	Pseudotsuga Douglas-fir 10.5  Pseudotsuga Douglas-fir 15.8  Pseudotsuga Douglas-fir 18.2  Thuja plicata Western redcedar  Pseudotsuga Douglas-fir 10.0 10.7,9.3  Pseudotsuga Douglas-fir 14.2  Pseudotsuga menziesii  Pseudotsuga Douglas-fir 13.0  Pseudotsuga Douglas-fir 13.0  Pseudotsuga Douglas-fir 13.0  Pseudotsuga Douglas-fir 13.0	Pseudotsuga pouglas-fir 10.5 Good Pseudotsuga prenziesii Douglas-fir 15.8 Good Pseudotsuga prenziesii Douglas-fir 15.8 Good Pseudotsuga prenziesii Douglas-fir 18.2 Good Pseudotsuga prenziesii Thuja plicata Western redcedar 7.0 9,5 Fair redcedar Thuja plicata Western redcedar 7.8 Fair redcedar Thuja plicata Western redcedar Fair Pseudotsuga Douglas-fir 10.0 10.7,9.3 Good Pseudotsuga prenziesii Pseudotsuga Douglas-fir 14.2 Good Pseudotsuga prenziesii Pseudotsuga Douglas-fir 13.0 Good Douglas-fir 13.0 Good Douglas-fir 14.2 Good Douglas-fir 14.2 Good Douglas-fir 14.2 Good Douglas-fir 14.2 Good Douglas-fir 14.3 Good Douglas-fir 14.6 Jo.8,13,11 Good	Pseudotsuga menziesii Douglas-fir 10.5 Good Good menziesii Douglas-fir 15.8 Good Good menziesii Douglas-fir 15.8 Good Good menziesii Douglas-fir 18.2 Good Good menziesii Thuja plicata Western redcedar 7.0 9,5 Fair Good Thuja plicata Western redcedar 7.8 Fair Good Thuja plicata Western redcedar 7.8 Fair Good menziesii Thuja plicata Western redcedar 7.8 Fair Good Fair Pseudotsuga Douglas-fir 10.0 10.7,9.3 Good Good menziesii Douglas-fir 14.2 Good Good Food Menziesii Pseudotsuga Douglas-fir 13.0 Good Good Good Menziesii Douglas-fir 13.0 Good Good Good Menziesii Douglas-fir 13.0 Good Good Good Menziesii Douglas-fir 14.6 10.8,13,11 Good Good Good Menziesii Douglas-fir 14.6 10.8,13,11 Good Good Good Good Good Good Good Go	Pseudotsuga Douglas-fir 10.5 Good Good 9.4 Pseudotsuga Douglas-fir 15.8 Good Good 11.7 Pseudotsuga Douglas-fir 18.2 Good Good 14.8 Pseudotsuga menziesii Western redcedar 7.0 9,5 Fair Good 9.3 Thuja plicata Western redcedar 7.8 Fair Good 7.3 Thuja plicata Western redcedar 4.0 5,4,3 Fair Good 8.2 Thuja plicata Western redcedar Thuja plicata Douglas-fir 10.0 10.7,9.3 Good Good 11.4 Pseudotsuga menziesii Douglas-fir 14.2 Good Good 12.6 Pseudotsuga menziesii Douglas-fir 13.0 Good Good 15.5 Pseudotsuga Douglas-fir 13.0 Good Good 15.5	Menziesii Ave N  Pseudotsuga Douglas-fir 10.5 Good Good 9.4 Dayton Ave N  Pseudotsuga Douglas-fir 15.8 Good Good 11.7 Dayton Ave N  Pseudotsuga Douglas-fir 18.2 Good Good 14.8 Dayton Ave N  Thuja plicata Western redcedar 7.0 9,5 Fair Good 9.3 Dayton Ave N  Thuja plicata Western redcedar Fair Good 7.3 Dayton Ave N  Thuja plicata Western redcedar 4.0 5,4,3 Fair Good 8.2 Dayton Ave N  Thuja plicata Western redcedar Good Fair 7.2 Dayton Ave N  Thuja plicata Western redcedar Good Fair 7.2 Dayton Ave N  Thuja plicata Western redcedar Good Good 11.4 Dayton Ave N  Pseudotsuga Douglas-fir 10.0 10.7,9.3 Good Good 11.4 Dayton Ave N  Pseudotsuga Douglas-fir 14.2 Good Good 12.6 Dayton Ave N  Pseudotsuga Douglas-fir 13.0 Good Good 15.5 Dayton Ave N	menziesii Douglas-fir 10.5 Good Good 9.4 Dayton Impacted Ave N Pseudotsuga menziesii Douglas-fir 15.8 Good Good 11.7 Dayton Impacted Ave N Pseudotsuga pienziesii Douglas-fir 18.2 Good Good 14.8 Dayton Impacted Ave N	Pseudotsuga Douglas-fir 10.5 Good Good 9.4 Dayton Ave N Pseudotsuga Douglas-fir 15.8 Good Good 11.7 Dayton Ave N Impacted Retain Ave N Pseudotsuga Douglas-fir 15.8 Good Good 14.8 Dayton Impacted Ave N Impacted Retain Ave N Impacted Retain Ave N Impacted Retain Ave N Impacted Ave N Impacted Retain Retain Ave N Impacted Retain Retain Ave N Impacted Retain Retain Retain Retain Ave N Impacted Retain Re	Pseudotsuga pouglas-fir 10.5 Good Good 9.4 Dayton Ave N Pseudotsuga persudotsuga pouglas-fir 15.8 Good Good 11.7 Dayton Impacted Retain Retain Pseudotsuga pouglas-fir 18.2 Good Good 14.8 Dayton Impacted Retain Retain Pseudotsuga plouglas-fir 18.2 Good Good 14.8 Dayton Impacted Impacted Retain Retain Pseudotsuga production Pseudotsuga production Pseudotsuga production Pseudotsuga production Pseudotsuga pseudotsu



15700 Dayton Ave N Shoreline, WA 98133

Tree	Caianaifia Nama	Common	DSH (in all a a)	DSH	Health	Structural	Dripline Radius			Scenario 1	Samuel 3	News
188	Picea abies	Norway spruce	(inches) 11.0	Multistem	Poor	Fair	9.5	n Dayton Ave N	Action Remove	Retain	Retain	Broken top, low vigor, measured at narrowest point below union
189	Picea abies	Norway spruce	10.0	10,10	Fair	Fair	14.4	Dayton Ave N	Remove	Retain	Retain	Broken top, new leaders, ivy at base, codominant
190	Pseudotsuga menziesii	Douglas-fir	17.5		Good	Good	12.7	Dayton Ave N	Remove	Impacted	Retain	Codominant at 15 ft, ok union, surface roots,
191	Picea abies	Norway spruce	5.7	8,5,4	Fair	Fair	8.2	Dayton Ave N	Remove	Retain	Retain	Measured at narrowest point below union
192	Rseudotsuga menziesii	Douglas-fir	9.5		Good	Good	12.4	Dayton Ave N	Remove	Retain	Retain	Ivy on trunk
193	Picea abies	Norway spruce	10.2		Poor	Fair	10.4	Dayton Ave N	Remove	Retain	Retain	Broken top, new leaders, narrow
194	Picea obies	Norway spruce	5.5	6,5	Good	Fair	10.2	Dayton Ave N	Remove	Retain	Retain	Broken top, new leaders, narrow
195	Picea abies	Norway spruce	7.5	5,10	Good	Fair	15.3	Dayton Ave N	Remove	Retain	Retain	Broken top, new leaders, narrow, ivy on trunk
196	Picea abies	Norway spruce	20.0		Good	Fair	18.8	Dayton Ave N	Remove	Impacted	Retain	Broken top, new leaders, narrow unions, ivy on trunk
197	Pseudotsuga menziesii	Douglas-fir	7.5		Good	Good	10.3	Dayton Ave N	Remove	Retain	Retain	Suppressed
198	Thuja plicata	Western redcedar	6.8		Good	Fair	11.3	Dayton Ave N	Remove	Retain	Retain	Broken top, suppressed
199	Picea abies	Norway spruce	8.4		Good	Fair	10.4	Dayton Ave N	Remove	Retain	Retain	Broken top, suppressed



15700 Dayton Ave N Shoreline, WA 98133 Arborist: JP + KH

Date of Inventory: 01.02.2020

Table Prepared: 01.14.2020

Tree		Common	DSH	DSH	Health	Structural	Dripline Radius	Locatio	Proposed	Scenario 1		
ID	Scientific Name	Name	(inches)	Multistem	Condition	Condition	(feet)	n	Action	and 2	Scenario 3	
200	Picea abies	Norway spruce	5.0		Good	Fair	8.2	Dayton Ave N	Remove	Retain	Retain	Broken top, suppressed
201	Thuja plicata	Western redcedar	5.0	4.5,5.5	Good	Good	8.2	Dayton Ave N	Impacted	Retain	Retain	Measured at narrowest point below union
202	Picea abies	Norway spruce	6.9		Good	Fair	7.3	Dayton Ave N	Impacted	Retain	Retain	Topped
203	Thuja plicata	Western redcedar	5.4	5.1,5.7	Fair	Fair	8.2	Dayton Ave N	Impacted	Retain	Retain	Topped
204	Thuja plicata	Western redcedar	5.2	5.8, 4.9, 5	Good	Fair	7.2	Dayton Ave N	Retain	Retain	Retain	Topped
205	Thuja plicata	Western redcedar	5.4		Good	Fair	7.7	Dayton Ave N	Retain	Retain	Retain	Topped
206	Thuja plicata	Western redcedar	9.8		Good	Fair	7.4	Dayton Ave N	Retain	Retain	Retain	Topped
207	Pseudotsuga menziesii	Douglas-fir	4.0		Good	Good	5.2	Dayton Ave N	Impacted	Retain	Retain	Low live crown ratio, suppressed
208	Pseudotsuga menziesii	Douglas-fir	5.8	6.5,5	Good	Good	12.2	Dayton Ave N	Impacted	Retain	Retain	Low live crown ratio, codom, suppressed
209	Pseudotsuga menziesii	Douglas-fir	15.4		Good	Good	17.1	Dayton Ave N	Retain	Retain	Retain	Surface roots, phototropic south, trunk sprouts
210	Pseudotsuga menziesii	Douglas-fir	19.2		Good	Good	17.8	Dayton Ave N	Impacted	Impacted	Impacted	
211	Pseudotsuga menziesii	Douglas-fir	16.6	Could t	Good hese all	Good be	18.7	Dayton Ave N	Remove	Remove	Remove	Canopy overhangs sidewalk, surface roots, add mulch, retention feasible

Tree Solutions, Inc.

2940 Westlake Ave. N #200 Seattle, WA 98 higher than existing

saved with permeable pavement or another measure? Sidewalk is higher than existing grades.

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15700 Dayton Ave N Shoreline, WA 98133

Tree ID 212	Scientific Name	Common Name Douglas-fir	DSH (inche)	Could thes saved with payement?	permea Sidewa	Structural IK Condition	Dripline Radius (feet)	<b>n</b> Dayton	Proposed Action Remove	Scenario 1 and 2 Remove	Scenario 3 Remove	Major surface roots, air excavation line
213	Pseudotsuga menziesii	Douglas-fir	17.5	grades.	Good	Good	11.7	Ave N  Dayton  Ave N	Remove	Remove	Remove	to explore  Buried trunk, roots within work zone, retention unlikely
214	Pseudotsuga menziesii	Douglas-fir	23.5		Good	Good	18.5	Dayton Ave N	Remove	Remove	Remove	Surface roots, dominant tree, 2 roots toward SW, retention difficult, reduce SW to 6 ft
215	Pinus contorta var. contorta	Shore pine	13.3		Good	Good	12.6	Dayton Ave N	Retain	Retain	Retain	Low branches dieback, possible fair health, no major surface roots, retention feasible
216	Pseudotsuga menziesii	Douglas-fir	20.2		Good	Good	18.3	Dayton Ave N	Retain	Retain	Retain	Surface roots spanning to SW, retention ok with root management
217	Pseudotsuga menziesii	Douglas-fir	32.3		Good	Fair	19.8	Dayton Ave N	Remove	Remove	Remove	Large codominant at base with narrow angle, diameter at narrowest point below union, large surface roots, retention difficult if cuts made
218	Pihus contorta var. contorta	Shore pine	17.2		Good	Good	12.7	Dayton Ave N	Remove	Remove	Remove	Lower branch dieback, lower retention value, close to SW, no visible roots
219	Pinus contorta var. contorta	Shore pine	14.4		Good	Good	11.6	Dayton Ave N	Retain	Retain	Retain	Slight lean to SW corrected, low live crown ratio
220	Pseudotsuga menziesii	Douglas-fir	24.5		Good	Good	18.0	Dayton Ave N	Remove	Remove	Remove	Surface roots, leaning over parking lot, growing on rockery, careful root management needed, pitching north side
221	Pseudotsuga menziesii	Douglas-fir	22.9		Good	Good	15.0	Dayton Ave N	Remove	Remove	Remove	Surface roots, high low crown ratio, assess retention, leave fence?
222	Pseudotsuga menziesii	Douglas-fir	16.8		Good	Good	13.7	Dayton Ave N	Retain	Retain	Retain	Surface roots, trunk sprouts, assess retention, phototropic to east, leave fence ?



15700 Dayton Ave N Shoreline, WA 98133

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					ermeable	•		DITIO					
1	ree		Common	DSH M	easure?			ner₃than	Locatio	Proposed	Scenario 1		
个	<b>6</b>	Scientific Name	Name	(inchee)	kisting gra	destion	Condition	(feet)	n	Action	and 2	Scenario 3	Notes
> 2 >		Ps <mark>eudotsuga</mark> menziesii	Douglas-fir	17.6		Good	Good	14.2	Dayton Ave N	Remove	Remove	Remove	Surface roots, assess retention, leave fence ?
<u> </u>		Pseudotsuga menziesii	Douglas-fir	19.1		Good	Good	18.8	Dayton Ave N	Impacted	Impacted	Impacted	Surface roots, assess retention, leave fence ?
2		Pseudotsuga menziesii	Douglas-fir	17.6		Good	Good	15.2	Dayton Ave N	Remove	Remove	Remove	Surface roots, assess retention, leave fence ?
2		Pseudotsuga menziesii	Douglas-fir	15.6		Good	Good	14.2	Dayton Ave N	Impacted	Impacted	Impacted	Surface roots, assess retention, leave fence ?
2		Pseudotsuga menziesii	Douglas-fir	11.0	14, 8	Good	Good	15.0	Dayton Ave N	Remove	Remove	Remove	Surface roots, assess retention, codominant at base, leave fence ?
2		Pseudotsuga menziesii	Douglas-fir	17.9		Good	Good	16.7	Dayton Ave N	Impacted	Impacted	Impacted	Surface roots, assess retention, leave fence ?
2		Pseudotsuga menziesii	Douglas-fir	17.1		Good	Good	14.2	Dayton Ave N	Remove	Remove	Remove	Surface roots, assess retention, kink in trunk, leave fence ?
2		Pseudotsuga menziesii	Douglas-fir	17.7		Good	Good	12.7	Dayton Ave N	Impacted	Impacted	Impacted	Surface roots, assess retention, leave fence ?
2		Pseudotsuga menziesii	Douglas-fir	18.6		Good	Good	14.8	Dayton Ave N	Remove	Remove	Remove	Surface roots, assess retention, leave fence ?
		Pseudotsuga menziesii	Douglas-fir	27.5		Good	Good	20.1	Dayton Ave N	Remove	Remove	Remove	Very close to SW, retention not likely feasible, high retention value, dominant tree
_ 2	.33	Pi) us monticola	Western white pine	16.3		Good	Good	12.7	Dayton Ave N	Impacted	Impacted	Impacted	Lower branch dieback, retention may not be feasible
	34	Acer palmatum	Japanese maple	10.1		Good	Good	13.9		Impacted	-	_	Diameter narrowest point below union, small defect at base, clearance pruning for work



15700 Dayton Ave N Shoreline, WA 98133 Arborist: JP + KH

Date of Inventory: 01.02.2020

Table Prepared: 01.14.2020

							1						
Tree ID 235	Scientific Name Acer palmatum		DSH (inches)	DSH Multistem 4.5, 5, 5.8, 5.4, 5.8,	Health Condition Good	Structural Condition Good	Dripline Radius (feet)	Locatio n	Proposed Action Remove	Scenario 1 and 2	Scenario 3	<b>Notes</b> Possible dieback, clearance pruning needed	_
236	Tsuga heterophylla	Western hemlock	11.9	4.2, 4.6	Poor	Fair	10.5		Remove	-	_	Top broken, 50 percent dead, option to shorten more, no major risk	-
237	Acer palmatum	Japanese maple	2.9	3.2, 2.8, 3, 2.5	Fair	Fair	13.1		Remove	F	_	Bark sloughing eastern stem,	
238	Thuja plicata	Western redcedar	9.7	11.9, 8.5, 6.6, 11.8	Good	Good	13.4		Remove	F	_		
239	Pseudotsuga menziesii	Douglas-fir	25.8		Good	Good	19.1		Remove	-		Pitching, dominant tree, high retention value, next to bus stop	
240	Pseudotsuga menziesii	Douglas-fir	24.1		Good	Good	20.0		Remove	₹	_	Sorface coots, thin canopy	
241	Thuja plicata	Western redcedar	5.0		Fair	Good	9.2		Remove	-	-		ould this be saved by using a steeper
242	Pinus monticola	pine			Fair	Good	7.8		Remove	-	-	Time curiopy	amenity zone slope or
243	menziesii	Douglas-fir	4.4		Good	Good	6.2		Remove	-	-		some other measure?
244	Pinus contorta	Shore pine	9.7		Good	Good	7.4		Remove	_		Slight dieback	
245	Pseudotsuga menziesii	Douglas-fir	24.0		Good	Good	19.0		Remove	4	-	Ivy, raised rockery, adjacent utilities	
246	Pseudotsuga menziesii	Douglas-fir	8.5		Good	Good	12.4		Remove		-	Suppressed	
247	Pseudotsuga menziesii	Douglas-fir	15.8	17.3,14.2	Good	Good	16.7	\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \	Impacted	2	-	Located on other side of fence	
248	Pseudotsuga menziesii	Douglas-fir	8.5		Good	Good	8.4	2	Impacted	3	-	Located on other side of fence, suppressed	Why are these
249	Pseudotsuga menziesii	Douglas-fir	16.2		Good	Good	14.7	\	Impacted	-	_	Located on other side of fence, ivy	impacted/ remove?
250	Populus trichocarpa	Black cottonwood	26.5	28, 25	Good	Fair	23.1	>	Remove	}	-	Located on other side of fence, ivy, weak attachments, lower retention value	No grading near critical root area
251	Populus trichocarpa	Black cottonwood	20.2		Good	Fair	17.8		Remove	-	-	In ROW, lean north, ivy, impacts potentially high, remove	
252	Populus trichocarpa	Black cottonwood	12.0		Good	Fair	15.5		Remove	-	_	In ROW, lean east, heavy ivy, impacts potentially high, remove	

Tree Solutions, Inc.

- 252 is not in the ROW.

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2940 Westlake Ave. N #200 Seattle, WA 98109

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15700 Dayton Ave N Shoreline, WA 98133

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			050 :-		- DOW	,						
			+ 253 IS	not in the	ne ROW		Dripline					
Tree		Common	DSH	DSH	Health	Structural	Radius	Locatio	Proposed	Scenario 1		
ID	Scientific Name	Name	(inches)	Multistem	Condition	Condition	(feet)	n	Action	and 2	Scenario 3	Notes
253	populus	Black	14.2		Good	Fair	22.6		Remove	_		In ROW, lean east, heavy ivy, impacts
	trichocarpa	cottonwood										potentially high, remove
254	Thuja plicata	Western	17.2		Fair	Fair	17.2		Remove			Declining top, growing into rockery,
		redcedar										remove
255	Pinus contorta	Shore pine	8.1		Good	Good	0.3		Remove	_	_	Canopy phototropic north, remove
	var. contorta											
256	Thuja plicata	Western	16.3	25.6, 6.9	Good	Good	18.7		Remove	_	_	Retention unlikely
		redcedar										·
257	Pseudotsuga	Douglas-fir	11.3		Good	Good	11.5		Remove			Growing on rockery, remove
	menziesii	_										
258	Platanus x	London	10.5		Good	Good	18.9		Impacted			Surface roots
	acerifolia	planetree										
259	Platanus x	London	9.7		Good	Good	13.9		Remove	_	_	Surface roots, remove
	acerifolia	planetree										
260	Platanus x	London	10.5		Good	Good	13.9		Remove	_		Surface roots
	acerifolia	planetree										
261	Platanus x	London	9.3		Good	Good	14.9		Remove	_		Surface roots, remove
	acerifolia	planetree										
262	Platanus x	London	9.0		Good	Good	14.4		Remove	_	_	Remove
	acerifolia	planetree										
263	Prunus	Flowering	10.0	7.5,12.5	Good	Good	12.9		Remove	_	_	Surface roots, remove
	serrulata	cherry										
264	Prunus	Flowering	7.6		Good	Good	8.8		Retain	_	_	Retain
	serrulata	cherry										
265	Calocedrus	Incense cedar	16.0		Good	Good	11.2		Remove	_	_	Surface roots, included bark
	decurrens											
266	Calocedrus	Incense cedar	12.7		Good	Good	11.5		Impacted	_	_	Surface roots
	decurrens											
267	Calocedrus	Incense cedar	7.9	7.9, 7.8	Good	Good	6.3		Remove	_	_	Corrected lean
	decurrens											
268	Pinus contorta	Shore pine	26.0		Good	Good	18.1		Remove			Pitch tubes, remove
	var. contorta											
269	Pseudotsuga	Douglas-fir	19.3		Good	Good	19.8		Retain	_	_	Retain and protect
	menziesii											
270	Platanus x	London	17.3		Good	Good	19.2		Remove	_	_	Remove for parking
	acerifolia	planetree										
271	Platanus x	London	17.7		Good	Good	17.2		Remove			Branch tearout wounds, remove
	acerifolia	planetree										



15700 Dayton Ave N Shoreline, WA 98133

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Tree ID	Scientific Name	Common	DSH (inches)	DSH Multistem	Health	Structural Condition	Dripline Radius (feet)	Locatio	Proposed Action	Scenario 1	Scenario 3	Notes
								"		anu z	Scenario 3	
272	Platanus x	London	13.1	14.2,12	Good	Good	12.5		Remove	-	-	Remove
	acerifolia	planetree							_			
273	Platanus x	London	21.7	17.3, 26	Good	Good	15.9		Remove	-	-	Remove pending grading
	acerifolia	planetree										
274	Platanus x	London	20.9		Good	Good	23.4		Impacted	_	_	Careful protection if existing SW
	acerifolia	planetree										removed
275	Pinus nigra	Austrian black	23.8		Good	Good	16.5		Remove	_	_	Corrected lean, compacted soils
		pine										
276	Pinus nigra	Austrian black	18.5		Good	Good	18.3		Remove	_	_	Sparse canopy
		pine										
277	Pinus nigra	Austrian black	11.8		Good	Fair	14.0		Remove	_	_	Codominant at 25 ft
		pine										
278	Pinus nigra	Austrian black	18.6		Good	Good	23.3		Remove			All pines likely need to be removed for
		pine										current location of the path, adjust SW
												location
279	Pseudotsuga	Douglas-fir	15.6		Good	Good	15.7		Remove			Remove
	menziesii									_	_	
280	Pseudotsuga	Douglas-fir	10.8		Good	Good	10.5		Remove			Remove
200	menziesii	Douglus III	10.0			Coou	10.5		I CITIOVE	-	-	The move
281	Thuja plicata	Western	7.5		Good	Good	8.3		Remove			Remove
201	Triaja piicata	redcedar	/.5		Good	Good	0.3		Itemove	-	-	The move
282	Thuja plicata	Western	7.0		Good	Good	8.8		Remove			Remove
202	Thuju phcutu	redcedar	7.0		Good	Good	0.0		Keillove	-	-	Remove
283	Pinus monticola		15.0		Good	Cood	14.6		Damasus			Domestic .
283	Pinus monticola		15.0		Good	Good	14.6		Remove	-	-	Remove
204	Camuain dan dan	pine	4.4		C I	Cl	4.2		D			Topograficat
284	Sequoiadendro	Giant sequoia	4.1		Good	Good	4.2		Remove	-	-	Transplant
225	n giganteum		20.4				00.4		_			
285	Pseudotsuga	Douglas-fir	22.1		Good	Good	22.4		Remove	-	-	Assess retention based on cuts
	menziesii											
286	Pseudotsuga	Douglas-fir	11.8		Good	Good	10.0		Retain	_	_	Assess retention based on cuts
	menziesii											
287	Pseudotsuga	Douglas-fir	20.8		Good	Good	18.9		Impacted	_	_	Assess retention based on cuts, high
	menziesii											retention value
288	Alnus rubra	Red alder	10.4		Good	Good	14.4		Retain		_	Assess retention based on cuts
289	Alnus rubra	Red alder	8.2		Good	Good	11.3		Retain			Assess retention based on cuts
290	Pseudotsuga	Douglas-fir	6.8	6.6,7	Good	Good	6.3		Retain			Young, stay out of drip
	menziesii											
291	Alnus rubra	Red alder	17.3		Fair	Fair	20.7		Retain		_	Assess retention based on cuts



15700 Dayton Ave N Shoreline, WA 98133 **Arborist:** JP + KH **Date of Inventory:** 01.02.2020

Table Prepared: 01.14.2020

Tree ID	Scientific Name	Common Name	DSH (inches)	DSH Multistem	Health Condition	Structural Condition	Dripline Radius (feet)	Locatio n	Proposed Action	Scenario 1 and 2	Scenario 3	Notes
292	Alnus rubra	Red alder	11.5	11.2,11.8	Fair	Fair	15.5		Retain	_	_	Assess retention based on cuts
293	Pseudotsuga menziesii	Douglas-fir	6.1		Good	Good	5.3		Retain	_	_	Retain
294	Alnus rubra	Red alder	10.1		Fair	Fair	14.4		Retain	_	_	Assess retention based on cuts
295	Alnus rubra	Red alder	16.1		Good	Good	20.7		Remove	_		Assess retention based on cuts
296	Pseudotsuga menziesii	Douglas-fir	10.0		Good	Good	13.9		Retain	_	_	Assess retention based on cuts
					Offs	ite Trees W	ith Overhang	ing Cano	pies			
a	Betula pendula	European white birch	12.0		Good	Fair	25.5	BLANK"	Remove/R etain/Imp acted			Phototropic to the east, most canopy to east, ivy on trunk, surface roots
b	X Cuprocyparis leylandii	Leyland cypress	10.6	15,8,8,10,1 2,	Good	Good	10.4	Stand/" BLANK"	Remove/R etain/Imp acted			Ivy at base, road under dripline, steep slope

