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Pointer Road Park – Beaverton, Oregon Arborist Report and Tree Plan September 13, 2023

MHA22003

Purpose

This Arborist Report is the tree plan for the Pointer Road Park project in Beaverton, Oregon, provided pursuant to the City of Beaverton Development Code (BDC), Chapters 40.90 and 60.60. This report describes the existing trees located on and directly adjacent to the project site, as well as recommendations for tree removal, preservation, protection and mitigation. This report is based on observations made by International Society of Arboriculture (ISA) Board Certified Master Arborist (PN-6145B) and Qualified Tree Risk Assessor Morgan Holen during a site visit conducted on August 3, 2022 and subsequent coordination with Lango Hansen Landscape Architects.

Scope of Work and Limitations

Morgan Holen & Associates, LLC was contracted by Lango Hansen Landscape Architects, on behalf of Tualatin Hills Park & Recreation District, to visually assess existing trees, collect tree inventory data and develop an arborist report and tree plan for the project. An exhibit illustrating the location of trees by survey point number was provided to us prior to conducting the fieldwork.

Visual Tree Assessment (VTA) was performed on individual trees located on and directly adjacent to the project site; VTA is the standard process whereby the inspector visually assesses the tree from a distance and up close, looking for defect symptoms and evaluating overall condition and vitality of individual trees. VTA was limited at off-site trees where no property access was authorized. Trees were evaluated in terms of species, diameter, crown radius, general condition and suitability for preservation with site development. Following the fieldwork, we coordinated with Lango Hansen Landscape Architects in regard to recommendations for tree removal and protection and assisted in developing the Tree Protection and Removal Plan provided as plan sheet L0.01.

The client may choose to accept or disregard the recommendations contained herein, or seek additional advice. Neither this author nor Morgan Holen & Associates, LLC, have assumed any responsibility for liability associated with the trees on or adjacent to this site.

Site Description

The site is located at 7360 SW Pointer Road in Beaverton, Oregon. It is currently a vacant lot surrounded by residential homes. The project proposes to develop a new neighborhood park with paths, picnic tables, play features and other amenities. The site does not include any Significant Individual Trees, Historic Trees, Significant Natural Resource Areas or Significant Groves. The existing trees are scattered across the site and off-site along property boundaries.

Tree Inventory

In all, 94 trees measuring 1-inch and larger in diameter were assessed including 24 different species. Two of the inventoried trees are located in the SW Pointer Road right-of-way (#5162 and #5163) near the northwest corner of the site. Forty-one of the inventoried trees are located off-site on private properties directly adjacent to the project site. The other 51 trees are located on the project site. Table 1 provides a summary of the count of trees by species and general location. A complete description of the existing individual trees is provided in the enclosed tree data.

Table 1. Summary of Inventoried Trees by Species – Pointer Road Park.

Common Name	Species Name	On-Site	ROW	Off-Site	Total	Percent*
apple	<i>Malus</i> spp.			2	2	2%
black cottonwood	<i>Populus trichocarpa</i>	2			2	2%
cypress	<i>Cupressus</i> spp.			1	1	1%
dawn redwood	<i>Metasequoia glyptostroboides</i>			1	1	1%
deodar cedar	<i>Cedrus deodara</i>	1		2	3	3%
dogwood	<i>Cornus</i> spp.	1		1	2	2%
Douglas-fir	<i>Pseudotsuga menziesii</i>	5	2	2	9	10%
empress tree^	<i>Paulownia tomentosa</i>			1	1	1%
English hawthorn^	<i>Crataegus monogyna</i>			1	1	1%
English holly^	<i>Ilex aquifolium</i>			1	1	1%
European white birch^	<i>Betula pendula</i>	25		2	27	29%
juniper	<i>Juniperus</i> spp.			1	1	1%
Leyland cypress	<i>Cupressus x leylandii</i>			1	1	1%
Lombardy poplar^	<i>Populus nigra</i>	2			2	2%
Norway maple^	<i>Acer platanoides</i>	3			3	3%
plum	<i>Prunus</i> spp.	1			1	1%
Port-Orford-cedar	<i>Chamaecyparis lawsoniana</i>	2		8	10	11%
Scouler's willow	<i>Salix scouleriana</i>	4			4	4%
shore pine	<i>Pinus contorta</i>	5			5	5%
sweetgum	<i>Liquidambar styraciflua</i>			1	1	1%
tricolor beech	<i>Fagus sylvatica 'Tricolor'</i>			1	1	1%
tuliptree	<i>Liriodendron tulipifera</i>			1	1	1%
vine maple	<i>Acer circinatum</i>			1	1	1%
western redcedar	<i>Thuja plicata</i>			13	13	14%
Total		51	2	41	94	100%
Percent		54%	2%	44%	100%	

*Total percent by species does not sum to 100 due to rounding; ^Identifies nuisance species.

Of the 94 existing trees, 51 are classified as Community Trees, but 17 of these trees are exempt from BDC Section 40.90 including 16 nuisance species trees and one dead tree. The other 43 trees include the two right-of-way trees classified as street trees and 41 trees that are not classified because they are smaller than the 10-inch diameter threshold for Community Trees and do not pertain to any other classification per BDC Section 60.60.10.

Tree Plan Recommendations

Of the 94 existing trees, 40 (43%) are planned for removal for the purposes of construction, including 21 Community Trees (seven of which are non-exempt), one street tree, and 18 non-classified trees smaller than 10-inches in diameter. The remaining 54 trees (57%) are planned for retention, including all 41 off-site trees and 13 on-site trees. Table 2 provides a summary of the count of trees by classification and treatment.

Table 2. Summary of Inventoried Trees by Classification and Treatment – Pointer Road Park.

Classification per BDC 60.60.10	Treatment				
	Off-Site Trees		On-Site Trees		Total
	Unaffected	Protect	Retain	Remove	
6 - Community Trees	2	24	4	21	51
Non-Exempt Trees	2	24	1	7	34
Exempt Nuisance Species or Dead	-	-	3	14	17
N/A - Smaller than 10" DBH	-	15	8	18	41
ROW - Street Trees (Municipal Code)	-	-	1	1	2
Grand Total	2	39	13	40	94

Note that off-site trees #4211 and #4285 are categorized as unaffected and no tree protection measures are proposed because they are located well-beyond the limits of proposed work. Off-site tree to be protected and on-site trees planned for retention shall be protected during construction in compliance with the Tree Protection Standards during Development contained in BDC Section 60.60.20. The City's tree protection standards require that a construction fence be placed around a tree at five feet beyond the edge of the root zone, defined as the crown dripline.

The enclosed tree inventory data provides the dripline distance as crown radius measured in feet from the center of the tree to the edge of the dripline. The tree plan, prepared by Lango Hansen Landscape Architects, depicts the dripline of individual trees with tree protection fencing off-set by 5-feet where feasible. Elsewhere, tree protection fencing is depicted at the limits of proposed work and areas of proposed encroachment into the dripline plus 5-feet are identified on the tree plan with hatching.

The design was modified, as feasible, to minimize impacts within the dripline plus 5-feet, including adjustments to proposed path alignments throughout the park, adding a rockery wall to minimize grading adjacent to trees #5161 and #5162 on the north end of the project, and tightening up grading near trees #4653 and #4654 and trees #4881, #5460 and #5550; these encroachment areas are limited to tree driplines or with very minor dripline encroachments that affect less than 25% of the total critical root zone of any individual tree.

Larger encroachments are proposed at off-site trees in the southwest portion of the site where the existing driveway north of SW Canyon Lane will be reconstructed and underground utilities will be installed; however, the proposed work is limited to the existing disturbed area and no critical root impacts are anticipated. Nevertheless, work within areas of proposed encroachment should be monitored and documented by the project arborist in accordance with the tree protection specifications provided in this report and copied onto the tree plan drawing.

Permit Requirements

According to BDC Section 40.90.15, a Tree Plan Two is required for removal of five or more Community Trees, or more than 10% of the number of Community Trees on the site, whichever is greater, within a calendar year. The project proposes to removal seven of 21 non-exempt Community Trees located on the site, or 33%, in order to accommodate physical development and no reasonable alternative exists based on the allowed development and necessary grading. The seven non-exempt Community Trees planned for removal include: #4697, #5138, #5140 and #5197, four multi-stemmed Scouler's willows (*Salix scouleriana*) in fair condition; #5139, an 18-inch diameter black cottonwood (*Populus trichocarpa*) in generally good condition; #5141, a 14-inch diameter dogwood (*Cornus* spp.) in poor condition with crown dieback and extensive ivy infestation; and, #4698, a 10-inch diameter shore pine (*Pinus contorta*) in fair condition. While a Tree Plan Two is required for their removal, mitigation is not required.

In addition to the Tree Plan Two for Community Tree removal, the Beaverton Municipal Code requires a permit for street tree removal and BDC Section 60.15.15.6 provides that street trees shall be planted along street frontages in accordance with an approved street tree plan prior to City approval of the Final Plat. These code requirements are applicable to the proposed removal of street tree #5163 in the SW Pointer Road right-of-way.

There are no regulations governing the removal of the other 32 trees proposed for removal including 14 exempt Community Trees (13 nuisance species trees and one dead tree) and 18 non-classified trees smaller than 10-inches in diameter.

Tree Protection Standards

Trees planned for retention will need special consideration to assure their protection during construction. Tree protection measures include:

1. **Tree Protection Fencing.** Trees to be retained shall be protected by installation of tree protection fencing to prevent injury to tree trunks or roots or soil compaction within the root protection zone (RPZ) which generally coincides with the dripline plus 5-feet. Fencing shall be installed as shown on the site plan and inspected and verified by the project arborist before physical development starts and shall remain in place until physical development is complete. The fence shall be a four foot (4') tall orange plastic or snow fence secured to six foot (6') tall metal posts driven two feet (2') into the ground. Heavy 12-gauge wire shall be strung between each post and attached to the top and midpoint of each post. Colored tree flagging indicating that this area is a tree protection zone is to be placed every five (5) linear feet on the fence to alert construction crews of the sensitive nature of the area.
2. **Tree Protection Zone.** Within the protected root zone of each tree, the following development shall not be permitted:
 - a. Construction or placement of new buildings;
 - b. Grade change or cut and fill, during or after construction;
 - c. New impervious surfaces;
 - d. Trenching for utilities, irrigation or drainage;
 - e. Staging or storage of materials and equipment of any kind; or
 - f. Vehicle maneuvering or parking.

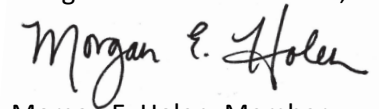
RPZs may be entered for tasks like surveying, measuring, and sampling, or for demolition of existing surfacing in accordance with tree protection note 6. Fences must be closed upon completion of these tasks.

3. **Erosion Control.** Silt fencing required to be installed within the RPZ shall not be trenched in per manufacturer specifications to avoid root damage. Instead, roll the base of the silt fence around a straw wattle and stake the wattle securely into the ground, or use compost socks or other acceptable erosion control measures that do not require trenching in protected tree root zones.
4. **Tree and Stump Removal.** Trees to be removed shall be clearly identified with tree-marking paint or other methods approved in advanced by the project arborist. Tree removal shall be performed by a Qualified Tree Service. Protection fencing may be temporarily opened to directionally fell trees approved for removal using a chainsaw; fell trees with caution to avoid damage to protected trees. Stumps of trees approved for removal that are located within the dripline of retained trees should remain in the ground where feasible. Otherwise, stumps may be removed by stump grinding to just below the ground surface or extracted from the ground under the on-site supervision of the project arborist.
5. **Crown Pruning.** Trees to be preserved may require minor pruning for overhead clearance and to remove dead and defective branches for safety. The project arborist can help identify whether pruning is necessary once trees planned for removal have been removed and the site is staked and prepared for construction. Pruning shall be performed by a Qualified Tree Service and in accordance with ANSI A300 Standards and ISA Best Management Practices for Pruning.
6. **Demolition of Existing Surfacing.** Tree protection fencing may be temporarily opened to remove existing hard surface paths as long as a small rubber tracked machine operating only from the existing path alignment is used and spoils are hauled outside of the RPZ immediately. If tree roots are encountered or revealed, leave base rock undisturbed and refer to tree protection note 6. Following asphalt removal and where no new surfacing is proposed, cover the ground surface with two inches of top soil and close the protection fencing.
7. **Excavation and Root Pruning.** Excavation shall be avoided within the RPZ if alternatives are available. Roots smaller than 2-inches in diameter may be pruned clean to sound wood using a sharp saw as digging progresses to avoid pulling and tearing roots; prune roots perpendicular to the natural growth direction with bark firmly attached (no jagged edges). Excavation immediately adjacent to roots 2-inches and larger in diameter within the RPZ shall be by hand or other non-invasive techniques to ensure that roots are not damaged. The project arborist should assess and document roots 2-inches and larger in diameter prior to impacts. Where feasible, these shall be protected by tunneling or other means to avoid destruction or damage. Exceptions can be made if, in the opinion of the project arborist unacceptable damage will not occur to the tree.
8. **Landscaping.** Following construction and prior to landscaping, the protection fencing may be removed. Where landscaping is desired, apply two- to three-inches of mulch beneath the dripline of protected trees, but not directly against tree trunks. Shrubs and ground cover plants may be planted at the outer edges of protected tree driplines by hand; adjust planting locations to avoid tree roots. If irrigation is used, use drip irrigation only beneath the driplines of protected trees; install drip irrigation lines on the ground surface and cover with mulch (no trenching to install irrigation lines beneath protected tree driplines).

- 9. Quality Assurance.** An ISA Certified Arborist should be available on-call during construction to supervise proper execution of this plan; it is the Developer’s responsibility to coordinate with the project arborist in a timely manner as needed. Tree protection site inspection monitoring reports should be provided to the Client and Contractor following each site visit performed by the project arborist during construction.

Please contact us if you have questions or need any additional information. Thank you for choosing Morgan Holen & Associates, LLC, to provide consulting arborist services for the Pointer Road Park project in Beaverton.

Thank you,
Morgan Holen & Associates, LLC



Morgan E. Holen, Member
ISA Board Certified Master Arborist, PN-6145B
ISA Tree Risk Assessment Qualified
Forest Biologist

Enclosures: MHA22003 Pointer Road Park – Tree Data 08-03-2022



No.	Location ¹	Common Name	Species Name	DBH ²	C-Rad ³	Cond ⁴	Class ⁵	Comments	Exempt ⁶	Reason ⁷	Treatment
4201	Priv Prop	tricolor beech	<i>Fagus sylvatica</i> 'Tricolor'	38	32	G	6		-	-	Protect Off-Site Tree
4211	Priv Prop	dogwood	<i>Cornus</i> spp.	14	14	F	6	Multiple stems	-	-	Unaffected
4243	Priv Prop	Douglas-fir	<i>Pseudotsuga menziesii</i>	46	30	G	6		-	-	Protect Off-Site Tree
4285	Priv Prop	Leyland cypress	<i>Cupressus</i> × <i>leylandii</i>	24	16	F	6	Self-correcting lean	-	-	Unaffected
4426	Priv Prop	western redcedar	<i>Thuja plicata</i>	24	18	G	6	Multiple leaders	-	-	Protect Off-Site Tree
4640	Priv Prop	deodar cedar	<i>Cedrus deodara</i>	48	28	G	6		-	-	Protect Off-Site Tree
4641	Priv Prop	dawn redwood	<i>Metasequoia glyptostroboides</i>	22	20	G	6		-	-	Protect Off-Site Tree
4642	Priv Prop	deodar cedar	<i>Cedrus deodara</i>	46	35	G	6		-	-	Protect Off-Site Tree
4643	Pub Prop	European white birch	<i>Betula pendula</i>	5	8	F	N/A		Yes	Nuisance	Remove
4644	Pub Prop	European white birch	<i>Betula pendula</i>	5	8	F	N/A		Yes	Nuisance	Remove
4645	Pub Prop	European white birch	<i>Betula pendula</i>	5	8	F	N/A		Yes	Nuisance	Remove
4646	Pub Prop	European white birch	<i>Betula pendula</i>	6	8	F	N/A		Yes	Nuisance	Remove
4647	Pub Prop	European white birch	<i>Betula pendula</i>	8	12	F	N/A		Yes	Nuisance	Remove
4648	Pub Prop	European white birch	<i>Betula pendula</i>	6	10	F	N/A		Yes	Nuisance	Remove
4649	Pub Prop	European white birch	<i>Betula pendula</i>	5	10	F	N/A		Yes	Nuisance	Remove
4650	Priv Prop	Douglas-fir	<i>Pseudotsuga menziesii</i>	6	8	G	N/A		Yes	Size	Protect Off-Site Tree
4651	Priv Prop	European white birch	<i>Betula pendula</i>	4	5	F	N/A		Yes	Nuisance	Protect Off-Site Tree
4652	Priv Prop	empress tree	<i>Paulownia tomentosa</i>	5,8	11	F	N/A		Yes	Nuisance	Protect Off-Site Tree
4653	Pub Prop	shore pine	<i>Pinus contorta</i>	4	6	F	N/A		Yes	Size	Retain
4654	Pub Prop	Douglas-fir	<i>Pseudotsuga menziesii</i>	3,6	10	F	N/A	Codominant spur stem	Yes	Size	Retain
4655	Pub Prop	European white birch	<i>Betula pendula</i>	11	8	F	6		Yes	Nuisance	Remove
4693	Priv Prop	apple	<i>Malus</i> spp.	14	15	F	6	Ivy up trunk	-	-	Protect Off-Site Tree
4694	Priv Prop	apple	<i>Malus</i> spp.	14	10	F	6	Ivy up trunk	-	-	Protect Off-Site Tree
4697	Pub Prop	Scouler's willow	<i>Salix scouleriana</i>	8x2,6x6	16	F	6	Dense cluster of multiple stems	-	-	Remove
4698	Pub Prop	shore pine	<i>Pinus contorta</i>	10	12	F	6	Very dense group	-	-	Remove
4699	Pub Prop	Douglas-fir	<i>Pseudotsuga menziesii</i>	6	7	F	N/A	Very dense group	Yes	Size	Remove
4700	Pub Prop	shore pine	<i>Pinus contorta</i>	5	8	F	N/A	Very dense group	Yes	Size	Remove
4701	Pub Prop	shore pine	<i>Pinus contorta</i>	3,7	8	F	N/A	Very dense group	Yes	Size	Remove
4702	Priv Prop	tuliptree	<i>Liriodendron tulipifera</i>	22	25	G	6		-	-	Protect Off-Site Tree
4703	Priv Prop	sweetgum	<i>Liquidambar styraciflua</i>	21	24	F	6		-	-	Protect Off-Site Tree



No.	Location ¹	Common Name	Species Name	DBH ²	C-Rad ³	Cond ⁴	Class ⁵	Comments	Exempt ⁶	Reason ⁷	Treatment
4704	Priv Prop	juniper	<i>Juniperus</i> spp.	15	18	F	6	Suppressed by sweetgum	-	-	Protect Off-Site Tree
4705	Priv Prop	cypress	<i>Cupressus</i> spp.	12	8	F	6	Codominant leaders	-	-	Protect Off-Site Tree
4810	Pub Prop	European white birch	<i>Betula pendula</i>	5,6,2x7	14	F	6		Yes	Nuisance	Remove
4814	Pub Prop	European white birch	<i>Betula pendula</i>	4,4x8	12	F	6		Yes	Nuisance	Remove
4816	Pub Prop	European white birch	<i>Betula pendula</i>	2x6,8	16	F	6		Yes	Nuisance	Remove
4818	Pub Prop	European white birch	<i>Betula pendula</i>	7,2x8	18	F	6		Yes	Nuisance	Remove
4821	Pub Prop	black cottonwood	<i>Populus trichocarpa</i>	5,7	12	F	N/A	Codominant stems, one-sided crown with lean northwest	Yes	Size	Remove
4822	Pub Prop	European white birch	<i>Betula pendula</i>	5,2x8	10	F	6		Yes	Nuisance	Remove
4879	Pub Prop	European white birch	<i>Betula pendula</i>	5,9	12	F	6		Yes	Nuisance	Remove
4880	Pub Prop	European white birch	<i>Betula pendula</i>	12	12	F	6		Yes	Nuisance	Remove
4881	Pub Prop	Douglas-fir	<i>Pseudotsuga menziesii</i>	10	12	G	6		-	-	Retain
4902	Pub Prop	plum	<i>Prunus</i> spp.	2x10	0	D	6	Dead and decaying, a few live epicormic sprouts	Yes	Dead	Remove
4941	Pub Prop	European white birch	<i>Betula pendula</i>	8,11	16	F	6		Yes	Nuisance	Remove
4942	Pub Prop	European white birch	<i>Betula pendula</i>	5	0	D	N/A	Dead	Yes	Nuisance	Remove
4943	Pub Prop	European white birch	<i>Betula pendula</i>	8	8	F	N/A		Yes	Nuisance	Remove
4944	Pub Prop	European white birch	<i>Betula pendula</i>	4,6	10	F	N/A		Yes	Nuisance	Remove
4945	Pub Prop	European white birch	<i>Betula pendula</i>	2x8	12	F	6		Yes	Nuisance	Remove
4947	Priv Prop	western redcedar	<i>Thuja plicata</i>	24	16	G	6	Assessment limited by fence	-	-	Protect Off-Site Tree
4948	Priv Prop	western redcedar	<i>Thuja plicata</i>	8	16	G	N/A	Assessment limited by fence	Yes	Size	Protect Off-Site Tree
4949	Priv Prop	western redcedar	<i>Thuja plicata</i>	8	16	G	N/A	Assessment limited by fence	Yes	Size	Protect Off-Site Tree
4950	Priv Prop	western redcedar	<i>Thuja plicata</i>	6	16	G	N/A	Assessment limited by fence	Yes	Size	Protect Off-Site Tree
4951	Priv Prop	western redcedar	<i>Thuja plicata</i>	20	16	G	6	Assessment limited by fence	-	-	Protect Off-Site Tree
4952	Priv Prop	western redcedar	<i>Thuja plicata</i>	12	16	G	6	Assessment limited by fence	-	-	Protect Off-Site Tree
4953	Priv Prop	western redcedar	<i>Thuja plicata</i>	18	16	G	6	Assessment limited by fence	-	-	Protect Off-Site Tree
4954	Priv Prop	western redcedar	<i>Thuja plicata</i>	12	16	G	6	Assessment limited by fence	-	-	Protect Off-Site Tree
4955	Priv Prop	western redcedar	<i>Thuja plicata</i>	14	16	G	6	Assessment limited by fence	-	-	Protect Off-Site Tree
4956	Priv Prop	western redcedar	<i>Thuja plicata</i>	14	16	G	6	Assessment limited by fence	-	-	Protect Off-Site Tree
5133	Pub Prop	Norway maple	<i>Acer platanoides</i>	22	22	G	6	Crimson King variety, ivy at base, lower trunk damage on north face	Yes	Nuisance	Retain

No.	Location ¹	Common Name	Species Name	DBH ²	C-Rad ³	Cond ⁴	Class ⁵	Comments	Exempt ⁶	Reason ⁷	Treatment
5134	Pub Prop	Norway maple	<i>Acer platanoides</i>	18	16	F	6	Codominant stems and leaders, some trunk decay, ivy	Yes	Nuisance	Retain
5135	Priv Prop	Port-Orford-cedar	<i>Chamaecyparis lawsoniana</i>	20	10	F	6	Densely spaced, extensive ivy, off-center leader	-	-	Protect Off-Site Tree
5136	Priv Prop	Port-Orford-cedar	<i>Chamaecyparis lawsoniana</i>	2x20	12	F	6	Densely spaced, extensive ivy, codominant stems	-	-	Protect Off-Site Tree
5137	Priv Prop	Port-Orford-cedar	<i>Chamaecyparis lawsoniana</i>	20	8	F	6	Densely spaced, extensive ivy	-	-	Protect Off-Site Tree
5138	Pub Prop	Scouler's willow	<i>Salix scouleriana</i>	6x6,8	14	F	6	Dense cluster of multiple stems	-	-	Remove
5139	Pub Prop	black cottonwood	<i>Populus trichocarpa</i>	18	20	G	6		-	-	Remove
5140	Pub Prop	Scouler's willow	<i>Salix scouleriana</i>	4x6	15	F	6	Dense cluster of multiple stems	-	-	Remove
5141	Pub Prop	dogwood	<i>Cornus spp.</i>	14	8	P	6	Dieback, extensive ivy, surrounded by blackberries	-	-	Remove
5142	Pub Prop	European white birch	<i>Betula pendula</i>	6	12	P	N/A	Broken top, dieback	Yes	Nuisance	Remove
5143	Pub Prop	European white birch	<i>Betula pendula</i>	8	9	P	N/A	Dead top	Yes	Nuisance	Remove
5161	Pub Prop	Norway maple	<i>Acer platanoides</i>	14	20	F	6	Natural lean south, crown asymmetry	Yes	Nuisance	Retain
5162	ROW	Douglas-fir	<i>Pseudotsuga menziesii</i>	22	16	G	ROW	Codominant crown class	Yes	Street	Retain
5163	ROW	Douglas-fir	<i>Pseudotsuga menziesii</i>	24	20	G	ROW	Codominant crown class, multiple leaders	Yes	Street	Remove
5164	Pub Prop	Port-Orford-cedar	<i>Chamaecyparis lawsoniana</i>	2,3,4	5	F	N/A	Multiple stems	Yes	Size	Retain
5190	Pub Prop	European white birch	<i>Betula pendula</i>	4,5,6,7	8	F	6		Yes	Nuisance	Remove
5193	Pub Prop	European white birch	<i>Betula pendula</i>	2x6	8	F	N/A		Yes	Nuisance	Remove
5195	Pub Prop	European white birch	<i>Betula pendula</i>	3,2x5	8	F	N/A		Yes	Nuisance	Remove
5197	Pub Prop	Scouler's willow	<i>Salix scouleriana</i>	4x3,4x5	12	F	6	Dense cluster of multiple stems	-	-	Remove
5198	Priv Prop	European white birch	<i>Betula pendula</i>	4	6	F	N/A		Yes	Nuisance	Protect Off-Site Tree
5200	Priv Prop	Port-Orford-cedar	<i>Chamaecyparis lawsoniana</i>	3	4	G	N/A	Very densely spaced	Yes	Size	Protect Off-Site Tree
5201	Priv Prop	Port-Orford-cedar	<i>Chamaecyparis lawsoniana</i>	2	3	G	N/A	Very densely spaced	Yes	Size	Protect Off-Site Tree
5202	Priv Prop	Port-Orford-cedar	<i>Chamaecyparis lawsoniana</i>	1	2	G	N/A	Very densely spaced	Yes	Size	Protect Off-Site Tree
5203	Priv Prop	Port-Orford-cedar	<i>Chamaecyparis lawsoniana</i>	3	4	G	N/A	Very densely spaced	Yes	Size	Protect Off-Site Tree
5204	Priv Prop	Port-Orford-cedar	<i>Chamaecyparis lawsoniana</i>	3	4	G	N/A	Very densely spaced	Yes	Size	Protect Off-Site Tree
5205	Pub Prop	shore pine	<i>Pinus contorta</i>	4	6	G	N/A		Yes	Size	Retain
5206	Pub Prop	deodar cedar	<i>Cedrus deodara</i>	3	4	G	N/A		Yes	Size	Retain
5207	Pub Prop	Port-Orford-cedar	<i>Chamaecyparis lawsoniana</i>	2,4	5	G	N/A		Yes	Size	Retain
5455	Priv Prop	vine maple	<i>Acer circinatum</i>	2x5,6,8	10	P	6	Severe decline	-	-	Protect Off-Site Tree
5460	Pub Prop	Douglas-fir	<i>Pseudotsuga menziesii</i>	8	9	F	N/A	Ivy and blackberries	Yes	Size	Retain
5461	Pub Prop	Lombardy poplar	<i>Populus nigra</i>	10	5	P	6	Dieback, high live crown, ivy	Yes	Nuisance	Remove

No.	Location ¹	Common Name	Species Name	DBH ²	C-Rad ³	Cond ⁴	Class ⁵	Comments	Exempt ⁶	Reason ⁷	Treatment
5462	Pub Prop	Lombardy poplar	<i>Populus nigra</i>	10	5	F	6	High live crown, extensive ivy	Yes	Nuisance	Remove
5477	Priv Prop	western redcedar	<i>Thuja plicata</i>	5	5	F	N/A	Multiple stems	Yes	Size	Protect Off-Site Tree
5506	Priv Prop	western redcedar	<i>Thuja plicata</i>	20	16	G	6	Assessment limited by fence	-	-	Protect Off-Site Tree
5513	Priv Prop	English hawthorn	<i>Crataegus monogyna</i>	6	5	P	N/A	Extensive ivy	Yes	Nuisance	Protect Off-Site Tree
5514	Priv Prop	English holly	<i>Ilex aquifolium</i>	6	5	P	N/A	Extensive ivy	Yes	Nuisance	Protect Off-Site Tree
5550	Pub Prop	Douglas-fir	<i>Pseudotsuga menziesii</i>	8	15	F	N/A	North face of lower trunk damaged	Yes	Size	Retain

¹**Location** identifies whether trees are located in on-site (Pub Prop), in public rights-of-way (ROW), or on adjacent private properties (Priv Prop).

²**DBH** is tree diameter measured at breast height, 4.5-feet above the ground level (in inches); when one or more codominant stems are present, DBH of each stem is recorded and separated by a comma or described as quantity x size. Note that DBH was visually estimated and not physically measured for off-site trees due to access limitations.

³**C-Rad** is the average crown radius measured (in feet) or estimated visually where access was limited.

⁴**Cond** is an arborist assigned rating to generally describe the condition of individual trees as follows- Dead; Poor; Fair; or, Good.

⁵**Class** identifies trees per Section 60.60.10, as either: 1-Significant Individual Trees; 2-Historic Tree; 3-Trees within SNRA; 4-Trees within Significant Groves; 5-Landscape Trees; 6-Community Trees; or 7-Mitigation Trees. ROW identifies street trees regulated by the Beaverton Municipal Code and N/A identifies trees located on private property smaller than the 10-inch diameter threshold for Community Trees.

⁶**Exempt** identifies trees that are exempt from Tree Plan requirements per Chapter 90 and Section 40.90.10.

⁷**Reason** provides the reason trees are exempt, including: size (trees smaller than 10 inches DBH, except for western hemlock (*Tsuga heterophylla*), mountain hemlock (*Tsuga mertensiana*), Pacific madrone (*Arbutus menziesii*), and bigleaf maple (*Acer macrophyllum*) trees smaller than 6-inches DBH per Chapter 90 definition of 'Surveyed Trees'); hazardous, dead, or diseased condition identified as such by a certified arborist; nuisance for trees listed as nuisance species in BDC 40.90.10 or in the City of Portland's Nuisance Plant List or in Clean Water Services' Design and Construction Standards; or, Street for trees located in public rights-of-way.