

CERTIFIED ARBORIST REPORT

Oregon Tree Care

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06.28.2022

City of Sandy

39250 Pioneer Blvd
Sandy, OR 97055

This report has been prepared to independently conduct a site visit and subsequent inventory and professional opinion for the existing trees located at 37115 and 37133 Highway 26 in Sandy, Oregon. As the techniques and terminology of the Arboriculture industry are continuously evolving, we have provided some brief descriptions to assist with the review and understanding of this report.

This report was completed, reviewed and approved by the undersigned Certified Arborist and owner of Earth Care Designs, LLC dba Oregon Tree Care.



Damien Carré

Certified Arborist, ISA # PN-6405A

Certified Tree Risk Assessor 1717



TERMINOLOGY

Air Spade: The Air Spade is an attachment added to the terminal end of an air compressor hose. The compressed air is directed into the soil, fracturing the soil and exposing the roots below the soil surface. This method is low-impact.

Root Protection zone (RPZ): Portion of the root system that is the minimum necessary to maintain vitality or stability of the tree. Encroachment or damage to the root protection zone will put the tree at risk of failure

Pruning: The act of sawing or cutting branches from a living tree generally involves thinning, deadwood removal and weight reduction to improve the overall health of a tree. The species and size/age of the tree will determine the proper amount of reduction and type of cuts performed.

Tree Topping: The practice of removing whole tops of trees or large branches and/or trunks from the tops of trees, leaving stubs or lateral branches that are too small to assume the role of a terminal leader. Topping is not a supported practice within the arboriculture industry standards.

Vigor: A measure of the increase in plant growth or foliage volume through time after planting.



SITE REVIEW

Site visit was conducted on 06/27/2022. The objectives of the site visit were to provide an update of condition for all trees originally marked for retention per the report prepared by Teragan and Associates on 04/14/2022, assess the impact of trees growing in close proximity to an already established parking lot, and analyze the root protection zones of trees located in close proximity to the adjacent properties. The site review consisted of a Visual Ground Assessment of the existing trees. Measurements, identification and inventory number are included in this report along with a professional opinion.

SITEMAP

Please refer to pages C8 and C9 in the Civil Plans for Riffle Food Carts.

OREGON TREE CARE INVENTORY

Location: 37115 and 37133 Highway 26 in Sandy, Oregon.

Site Visit Date: 06/27/2022

Certified Arborist: Damien Carre, ISA # PN-6405A

ID #	Tree Common Name	Tree Scientific Name	Size in Inches (DBH)	Vigor	Comments
1	western redcedar	<i>Thuja Plicata</i>	59	good	
2	bignleaf maple	<i>Acer macrophyllum</i>	18	good	
3	Douglas-fir	<i>Pseudotsuga menziesii</i>	23	good	
4	bignleaf maple	<i>Acer macrophyllum</i>	19	good	
5	bignleaf maple	<i>Acer macrophyllum</i>	22	good	
6	bignleaf maple	<i>Acer macrophyllum</i>	17	good	
7	bignleaf maple	<i>Acer macrophyllum</i>	18, 7	good	
8	bignleaf maple	<i>Acer macrophyllum</i>	26	good	
9	western redcedar	<i>Thuja Plicata</i>	21	good	
10	western redcedar	<i>Thuja Plicata</i>	13	fair	Tree has a large wound 4' above ground. Poor structure.
21	bignleaf maple	<i>Acer macrophyllum</i>	13	good	
23	bignleaf maple	<i>Acer macrophyllum</i>	24	good	
24	bignleaf maple	<i>Acer macrophyllum</i>	24	good	
29	bignleaf maple	<i>Acer macrophyllum</i>	17	good	
31	Douglas-fir	<i>Pseudotsuga menziesii</i>	17	good	
35	western redcedar	<i>Thuja Plicata</i>	21	good	
38	Douglas-fir	<i>Pseudotsuga menziesii</i>	30	good	
42	bignleaf maple	<i>Acer macrophyllum</i>	11	good	

43	bingleaf maple	<i>Acer macrophyllum</i>	16	good	
45	bingleaf maple	<i>Acer macrophyllum</i>	19	good	
46	bingleaf maple	<i>Acer macrophyllum</i>	14	good	
59	Freeman maple	<i>Acer x freemanii</i>	12	good	
68	pin oak	<i>Quercus palustris</i>	16	good	
69	linden	<i>Tilia sp.</i>	12	good	
70	pin oak	<i>Quercus palustris</i>	22	good	
76	western redcedar	<i>Thuja Plicata</i>	13	good	There is no concern regarding the already established parking lot. This tree is expected to grow to maturity.
77	western redcedar	<i>Thuja Plicata</i>	14	good	There is no concern regarding the already established parking lot. This tree is expected to grow to maturity.
78	western redcedar	<i>Thuja Plicata</i>	12	good	There is no concern regarding the already established parking lot. This tree is expected to grow to maturity.
79	western redcedar	<i>Thuja Plicata</i>	12	good	There is no concern regarding the already established parking lot. This tree is expected to grow to maturity.
82	western redcedar	<i>Thuja Plicata</i>	13	good	
83	western redcedar	<i>Thuja Plicata</i>	11	good	
84	western redcedar	<i>Thuja Plicata</i>	11	good	
85	western redcedar	<i>Thuja Plicata</i>	14	good	
86	western redcedar	<i>Thuja Plicata</i>	11	good	
87	Incense cedar	<i>Calocedrus decurrens</i>	11	good	There is no concern regarding the already established parking lot. This tree is expected to grow to maturity.
88	Douglas-fir	<i>Pseudotsuga menziesii</i>	11	good	Property line is located 3 feet from the tree and is within the Minimum Root Zone. If not granted entry onto adjacent property, sufficient tree protection fencing could not be installed. Additionally, if the canopy were to be cut back to the property line

					by the adjacent owner, the tree would still be expected to grow to maturity. There is no concern regarding the already established parking lot.
89	Incense cedar	<i>Calocedrus decurrens</i>	12	good	Tree is located more than 1x from the property line. There is no concern regarding the already established parking lot.
90	Douglas-fir	<i>Pseudotsuga menziesii</i>	16	good	Property line is located 1 foot from the tree and is within the Minimum Root Zone. If not granted entry onto adjacent property, sufficient tree protection fencing could not be installed. Additionally, if the canopy were to be cut back to the property line by the adjacent owner, the tree would no longer be expected to grow to maturity. There is no concern regarding the already established parking lot.
91	Douglas-fir	<i>Pseudotsuga menziesii</i>	11	good	Property line is located 5 feet from the tree and is within the Minimum Root Zone. If not granted entry onto adjacent property, sufficient tree protection fencing could not be installed. Additionally, if the canopy were to be cut back to the property line by the adjacent owner, the tree would still be expected to grow to maturity. There is no concern regarding the already established parking lot.
92	Douglas-fir	<i>Pseudotsuga menziesii</i>	11	good	Property line is located 5 feet from the tree and is within the Minimum Root Zone. If not granted entry onto adjacent property, sufficient tree protection fencing could not be installed. Additionally, if the canopy were to be cut back to the property line by the adjacent owner, the tree would still be expected to grow to maturity. There is no concern regarding the already established parking lot.
93	Incense cedar	<i>Calocedrus decurrens</i>	11	good	Property Line is located 7 feet from the

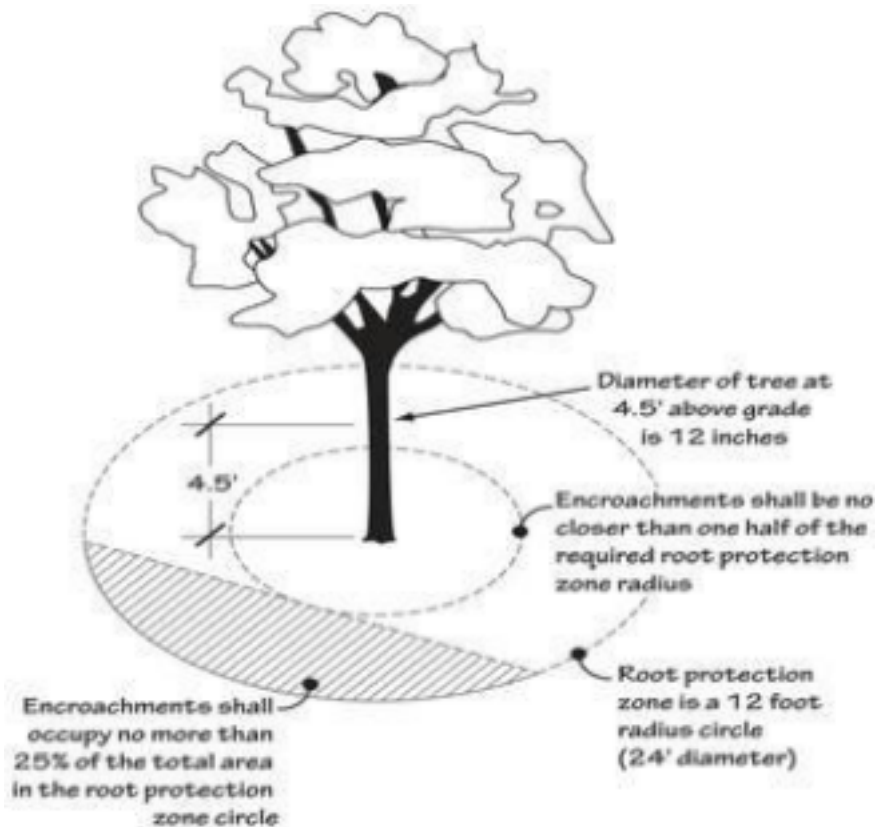
					tree and outside the minimum root zone. There is enough space to install sufficient tree protection fencing. Additionally, if the canopy were to be cut back to the property line by the adjacent owner, the tree would still be expected to grow to maturity. There is no concern regarding the already established parking lot.
94	Incense cedar	<i>Calocedrus decurrens</i>	11	good	Property Line is located 7 feet from the tree and outside the minimum root zone. There is enough space to install sufficient tree protection fencing. Additionally, if the canopy were to be cut back to the property line by the adjacent owner, the tree would still be expected to grow to maturity. There is no concern regarding the already established parking lot.
95	Douglas-fir	<i>Pseudotsuga menziesii</i>	15	good	Property line is located 0 feet from the tree and is within the Minimum Root Zone. If not granted entry onto adjacent property, sufficient tree protection fencing could not be installed. Additionally, if the canopy were to be cut back to the property line by the adjacent owner, the tree would no longer be expected to grow to maturity. There is no concern regarding the already established parking lot.

CONSTRUCTION PHASE TREE PROTECTION

All remaining non-exempt trees over 12" DBH meet the City of Portland Prescriptive Path preservation guidelines with less than 25% encroachment into the RPZ of trees.

The Prescriptive Path method of tree protection establishes a root protection zone (see diagram at right) and blocks this zone from construction activities. The Prescriptive Path calls for the root protection zone to have a 1-foot radius from the center of the trunk per inch of tree diameter. For example, a 12-inch diameter tree would require a 12-foot radius root protection zone.

The root protection fencing must be a minimum of 6-foot high chain link fence secured with 8-foot metal posts, at the edge of the root protection zone. Existing structures and/or existing secured fencing at least 3.5 feet tall can serve as the required protective fencing. Place the yellow sign marked 'Tree Root Protection Zone' prominently on the fence designating the root protection zone and describing the penalties for violation. Install the fence before any ground disturbing activities take place, including clearing, grading, or construction. Keep the fence in place until final inspection.



REMOVING TREES WITHIN THE RPZ OF PROTECTED TREES:

There shall be no Heavy Duty equipment or materials within the RPZ of the tree, unless otherwise specified. Tree removal methods should be done to minimize any impact and or avoid compromising adjacent trees structural integrity and or vigor.

No Heavy Duty equipment or materials within the RPZ of the tree. No excavation of soil shall be done within the trees RPZ without Arborist supervision, demolition should be done by hand to minimize compaction of soil and tree roots.

Recommend Air Spading prior to any excavation. A Certified Arborist must be on site to monitor and/or perform any root pruning that may be deemed necessary.

AIR SPADING AND ROOT PRUNING:

If, during construction, root pruning is required due to exposed or severed roots, the following process should be followed to prevent further damage. It is highly recommended that a Certified Arborist supervise and/or complete the root pruning. Additionally, pruning of the tree branches may be necessary to help compensate for any root loss.

- Air spading is a less invasive option available
- Do not use an excavator to pull or cut roots
- By hand, dig out and around the exposed or severed root prior to cutting •

Only use tree pruning tools with sharpened blades to provide a clean cut

- Tree pruning to compensate for potential root loss may be recommended before root pruning



CERTIFIED ARBORIST ON SITE:

It is highly recommended to have a Certified Arborist on site when construction activities could cause root exposure or are within the RPZ of the tree.

ANNUAL MONITORING:

All preserved trees should be monitored annually for changes and/or signs of stress after construction activities are completed.

- END -

Limits of Assignment

Unless stated otherwise:


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

Methods

We used a Visual Tree Assessment (VTA) method to evaluate tree health and structure. VTA is based on the outward indications of tree stress and growth, as indicated by the formation of new tree parts, the shape of the new wood and the amount of live tissue. Trees adapt to current and past stress by growing wood to support themselves in an upright condition. This type of assessment is facilitated by our personal knowledge of tree growth as it relates to structural integrity.

Assumptions & Limiting Conditions

1. Consultant assumes that any legal description provided to Consultant is correct and that title to property is good and marketable. Consultant assumes no responsibility for legal matters. Consultant assumes all property appraised or evaluated is free and clear, and is under responsible ownership and competent management.
2. Consultant assumes that the property and its use do not violate applicable codes, ordinances, statutes or regulations.
3. Although Consultant has taken care to obtain all information from reliable sources and to verify the data insofar as possible, Consultant does not guarantee and is not responsible for the accuracy of information provided by others.
4. Client may not require Consultant to testify or attend court by reason of any report unless mutually satisfactory contractual arrangements are made, including payment of an additional fee for such Services.

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5. Unless otherwise required bylaw, possession of this report does not imply right of publication or use for any purpose by any person other than the person to whom it is addressed,without the prior express written consent of the Consultant.
 6. Unless otherwise required bylaw, no part of this report shall be conveyed by any person, including the Client, the public through advertising, public relations, news,sales or other media without the Consultant's prior express written consent.
 7. This report and any values expressed herein represent the opinion of the Consultant, and the Consultant's fee is in no way contingent upon the reporting of a specific value, a stipulated result, the occurrence of a subsequent event or upon any finding to be reported.
 8. Sketches, drawings and photographs in this report, being intended as visual aids, are not necessarily to scale and should not be construed as engineering or architectural reports or surveys. The reproduction of any information generated by architects, engineers or other consultants and any sketches, drawings or photographs is for the express purpose of coordination and ease of reference only. Inclusion of such information on any drawings or other documents does not constitute a representation by Consultant as to the sufficiency or accuracy of the information.
 9. Unless otherwise agreed, (1) information contained in this report covers only the items examined and reflects the condition of the those items at the time of inspection; and (2) the inspection is limited to visual examination of accessible items without dissection, excavation, probing,climbing, or coring. Consultant makes no warranty or guarantee, express or implied that the problems or deficiencies of the plans or property in question may not arise in the future.
 10. Loss or alteration of any part of this Agreement invalidates the entire report.

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