



CERTIFIED ARBORIST REPORT

October 18, 2018

City of Sandy (Oregon)
Attn: Thomas Fischer
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This report has been prepared to independently address the current condition of a trees located within the City of Sandy, Oregon.

The report provides an opinion as to the current condition of the trees and any recommendations for services.

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.

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TERMINOLOGY

Habitat Snag: Tree "snag" is a term referring to a standing, dead or dying tree. Maintaining a habitat snag can be very beneficial to both the animals that use it and the people who get to see nature at work. Standing dead trees provide an amazing range of microhabitats.

Pruning: The act of sawing or cutting branches from a living tree generally involving 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.

Stress: Unfavorable deviation from normal. In arboriculture, the adverse alteration of tree health by abiotic or biotic factors.

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

SITE REVIEW

1. Meinig Park

- a. Alder trees (6-7 total) and miscellaneous dying/dead hanging branches
 - i. Dying/dead
 - ii. Recommendation: reduce for habitat snag and/or removal to near ground level
- b. Maple tree near Meinig Ave.
 - i. Recommendation: prune for hazardous deadwood over playground

2. Timberline Ridge Park

- a. Hemlock tree near courts with visible defoliating bark near lower trunk
 - i. Recommendation: aerial inspection and mitigate accordingly to prune canopy or remove tree

3. Timberline Ridge

- a. Cedar trees (4) that have previously burned
 - i. Recommendation: aerial inspection and reduction as necessary

4. Knollwood Park

- a. Cedar tree located mid-stream
 - i. Severe decay: Upon inspection the tree has had a codominant failure and has exposed a vertical column of decay mid stem
 - ii. Recommendation: removal and fell tree into/over creek for habitat snag.

5. 37648 Dubarko

- a. Alder tree located left side of address
 - i. Dying top
 - ii. Recommendation: Reduction to mitigate risk

6. Tickle Creek Trail Head (near 362nd Ave.)

- a. Numerous Cedar tree, Alder trees, Maple trees
 - i. Irreversible decline/dead near trail
 - ii. Recommendation: Reduction for habitat snag and/or remove to ground level to mitigate risk

7. Rachel Drive

- a. Maple tree
 - i. Declining top near east end of Rachel Dr.
 - ii. Recommendation: reduce deadwood to live tissues to mitigate risk

8. Hamilton Ridge

- a. Maple tree located near sidewalk
 - i. Dying/Dead
 - ii. Recommendation: reduce to ground level to mitigate risk
- b. Alder tree
 - i. Dying/Dead
 - ii. Recommendation: reduce to ground level to mitigate risk

9. Kate Schmitz Ave. right-of-way

- a. [3] Cottonwood trees near NE corner of parking lot
 - i. Recommendation: Upon inspection, these trees appear to be vigorous and structurally sound. The tree that failed appears to have done so due to a torsional failure in lower trunk area due to an act of nature. Therefore, the remaining [3] trees do not appear to pose an imminent risk.

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.
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10. Loss or alteration of any part of this Agreement invalidates the entire report.

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