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PO Box 55162
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September 13, 2016

Planning Dept.
City of Lake Forest Park
17425 Ballinger Way NE
Lake Forest Park, WA 98155

Re: Arborist Review Tree Permit #2016-ARP-0009, Review and Recommendations
Site: Scofield property, parcel 401930-1319, Lake Forest Park, WA 98155.

The tree removal application was checked for compliance with the standards and requirements pursuant to Chapter 16.14 LFPMC. On September 7, I conducted a site inspection and tree inventory. This report outlines my findings, conclusions, and recommendations.

Proposed Activity

There is one (1) significant tree proposed to remove to allow for construction of a single family residence on the property, refer to Site Plan provided by applicant.

Methods

I conducted my tree inspection and evaluation for the trees following the protocol of the International Society of Arboriculture (ISA) for Visual Tree Assessment (VTA) that employs a visual and non invasive inspection of the overall health and external condition of each tree and site conditions. I also conducted a basic level tree risk assessment, adhering to tree care industry standards, protocols and practices set by the American National Standards Institute (ANSI), and the International Society of Arboriculture (ISA), that employs a 360-degree, ground- based detailed visual and non-invasive inspection of a tree, including tree crown, trunk, trunk flare, above ground roots and site conditions around the tree in relation to targets. The time frame for tree risk assessments, the period in which estimating the likelihood of failure, is generally 1-5 years, unless otherwise noted. The time frame for risk categorization should not be considered a guarantee period for the risk assessment.

Findings

Site

This is an undeveloped single-family residential lot, 12,026 square feet in size, on sloped terrain. The tree canopy coverage goal for this size lot, pursuant to Chapters 16.14.080, is 39% (4,690 sq. ft.). The current canopy coverage is approximately 4% (450 sq. ft.), as determined either by collected tree data and/or interpretation of high resolution aerial photography, see Appendix: *2013 Aerial Site Photo*.

Subject Tree

There is only 1 significant tree on the lot and it will be removed. The tree is a Red alder/*Alnus rubra* located in the middle of the lot, within a dense field of invasive blackberry shrubs. It is 14 inches in diameter at breast height (DBH), measured 4.5 feet above grade and is approximately 65 feet in height. The live crown ratio (LCR), which is the amount of live canopy expressed as a percentage of the entire tree height, is 40%. The drip line (the radius distance from the trunk to the furthest branch tips) is 12 ft. and the current tree canopy spread area is 450 square feet. The tree crown is in fair condition. There is no indication of disease or decay and no obvious other tree defects. The overall health and condition of the tree is fair. The site is stable and there is no evidence of soil or root movement.

There are no significant trees to be retained and there are no offsite trees within 5 feet of the lot to protect.

Tree Canopy Replacement

The current tree canopy coverage over the entire lot is approximately 450 sq. ft. (4%) The proposed tree removals will reduce tree canopy coverage that originates from trees on the lot by approximately 450 sq. ft. (100%). Therefore, pursuant to Chapters 16.14.080 LFPMC, a Tree Replacement Plan is required. Trees are required to be planted in sufficient numbers to assure 4,690 sq. ft. of tree canopy coverage to bring the canopy coverage up to the 39% canopy coverage goal for the lot size, in 30 years.

Conclusion

Removal of the 1 tree will allow the project to be completed as planned. There are no trees to retain and no offsite trees to protect; therefore no tree protection measures are required. Verification of the Tree Replacement Plan will be required.

Limitations

Tree risk assessment considers known targets and visible or detectable tree conditions. Unless expressed otherwise, information contained in this report covers only those items that were examined and reflects the condition of those items at the time of inspection. It must be realized that trees are living organisms and their health and vigor constantly change over time. They are not immune to changes in the site conditions or seasonal variations in the weather.

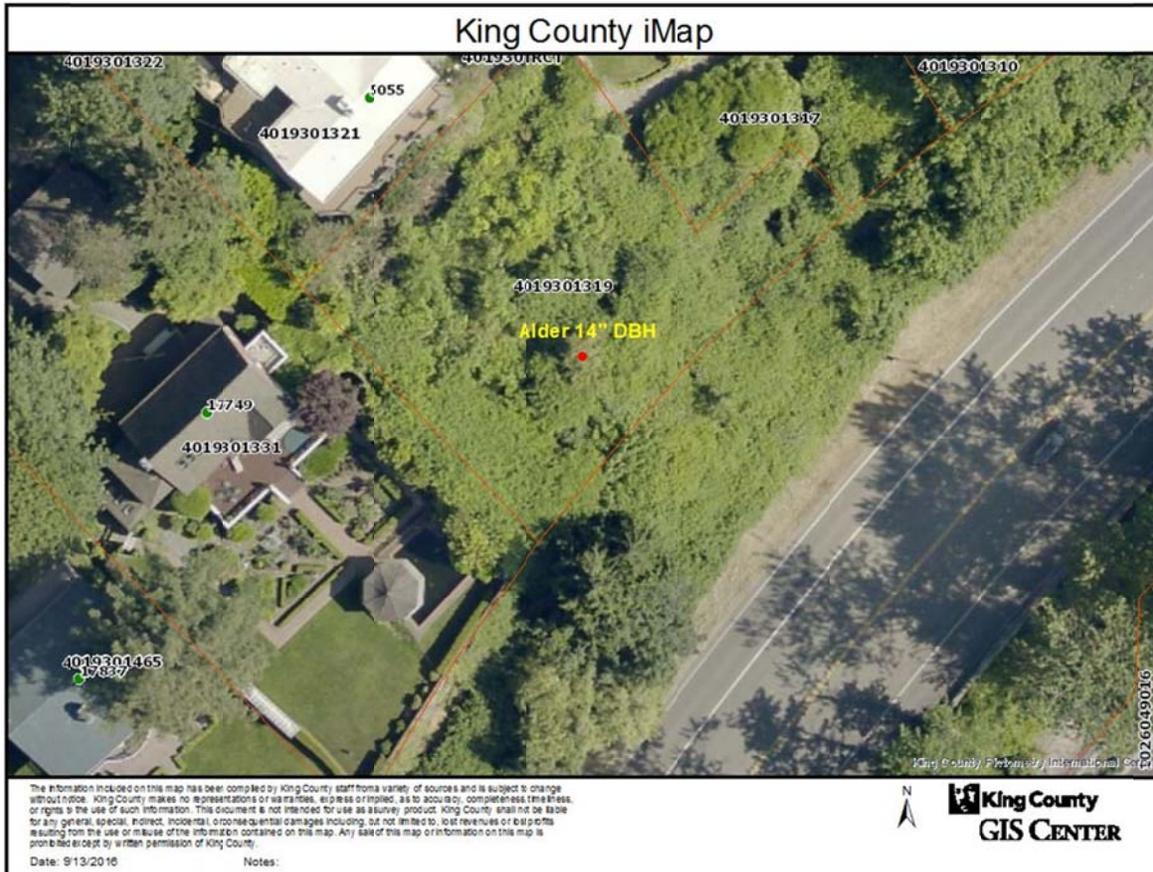
There is no warranty or guarantee expressed or implied that problems or deficiencies of the trees in question may not arise in the future. The report and conclusions expressed herein represent the opinion of Michael Woodbury d/b/a M. Woodbury Consulting Arborist.

Please contact me should you have questions regarding this report.

Respectfully submitted,
Michael A. Woodbury

Michael A. Woodbury, Consulting Arborist
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Appendix: 2013 AERIAL SITE PHOTO
Parcel 401930-1319
Lake Forest Park, WA



Location of the proposed tree removal.