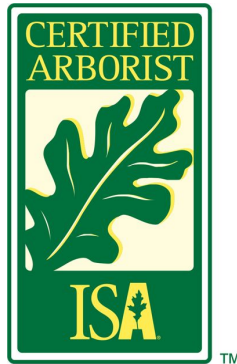


Chanté Floreani
ISA Certified Arborist #PN-8534A
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(309) 824-7988
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Project/Parcel Number: P192405-9077

Property Owner & Address

Jake Zhen Lin Li & Moon Yanci Wu
5660 E Mercer Way
Mercer Island, WA 98040

Date: 5/15/18

Prepared By: Chanté Floreani, ISA Certified Arborist #PN-8534A

Objective: To assess tree impacts by the recent construction of retaining walls in the backyard of residential property.

Summary: This home is located on a sloped hillside in a residential community with a forested character. The backyard is steeply sloped and at the time of my visit was mostly covered in erosion control plastic sheeting. My observations from my site visit on 5/11/18 are that there are two trees over 10-inch dbh within the zone of construction impacts. Neither are considered Exceptional Trees per MICC 19-10.

One of these trees (12" Cedar) has been topped and is considered a removed tree per MICC 19.10.020. Per MICC 19.10.070, loss of this tree shall be mitigated for on site. The other tree (22" Douglas Fir) has no visible damage to tree roots, trunk, branches or crown, however, debris/fill material was observed over roots of tree, which if not removed in a timely manner, will potentially cause health decline.

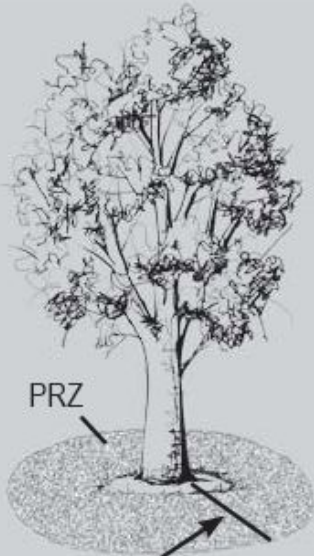
Arborist Recommendations:

To avoid further construction impacts, I recommend removing debris/fill material placed over tree roots as well as placing barrier fencing beyond the tree's protected root zone as described here:

**How Close Is Too Close?
Defining The Protected Root Zone (PRZ)**

The tree's Protected Root Zone (PRZ) can be identified as follows:

1. Measure the diameter (width) of the trunk at chest height, to the nearest inch. To do this, either wrap a tape measure around the trunk and divide that number by 3 or hold a yard stick up to the trunk and approximate the distance.
2. Multiply that number by 1.5 for mature or stressed trees or by 1.0 for young, healthy trees. Express the result in feet.
3. Measure that distance from the trunk of the tree. The area within this radius is the Protected Root Zone (PRZ).



PRZ radius (ft) =
1.0 or 1.5 x trunk diameter (in)

In addition, since the backyard is on a steep slope, approximately 2:1, I recommend restoring with a native and site appropriate plant palette that will provide slope stabilization and aesthetic appeal for the homeowner. Impacts to existing site trees will be mitigated per MICC 19.10.070. Tree replacement ratios are as follows:

Diameter of Removed Trees	Number of Trees Removed	Number of Replacement Trees
Less than 10-inches	4	4
10-inches up to 24-inches	1	2
More than 36-inches and any exceptional trees	0	0
Total:		6

Site Photos:



South side of house (side yard/backyard access) looking at trees #3, #4 and #5, *Prunus* sp.



Photo of tree #2, Western Red Cedar, with fill material placed over root zone.



Photo taken on north side of backyard looking south toward small and large trees along edge of property



Photo of crown damage and topping central leader of Western Red Cedar

Please feel free to contact me if you have any questions concerning this report.

Sincerely,

Chanté Floreani

A handwritten signature in black ink that reads "Chanté Floreani". The signature is written in a cursive, flowing style.

ISA Certified Arborist #PN-8534A