

3705 77<sup>th</sup> Pl SE (Mercer Island)

August 8, 2022

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REVISED

## Washington Tree Experts

9792 Edmonds Way #123

Edmonds, WA 98020

206-362-3380

wtetree@yahoo.com

**Parcel #:** 5458800550  
**Street:** 3705 77<sup>th</sup> Pl. SE  
**City, Zip:** Mercer Island, WA 98040  
**C/O:** CC Home Design LLC

### Assignment:

Provide tree inventory and site details to meet development requirements.

### Site and trees (see attached site map and inventory):

3705 77<sup>th</sup> Pl. SE is an 8,345 square foot residential lot with a single-family home.

Trees on the property and adjacent right of way have been identified and numbered with aluminum tags. Tree diameters were measured using a diameter tape. All assumptions regarding tree locations are based on plans provided by the client. A basic visual inspection has been conducted and all the trees are in good health and good condition.

The tree protection zones (TPZ) are equal to the dripline for the retention trees.

Retention trees will be protected with sturdy fencing around the tree protection zone (TPZ) for the duration of the development project and according to standards MICC 19.10.8 installed prior to development. Right of way trees will be protected. Prohibited activities include, but are not limited to grade changes, trenches, root cutting or disturbance, equipment traffic, or storing of materials.

Removal trees will be done by a separate qualified tree removal company. The removal of two trees will have no adverse effect on the remaining trees.

### Recommendations:

All retained trees should be reassessed after the project and a plant health care plan should be initiated.

Two trees are required to be installed to replace tree #3. As per requirements two native conifers species to be determined. Trees will be installed as per MICC 19.10.070.

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Prepared by



Jennifer Wells

Certified Arborist #PN6209A

ISA Qualified Tree Risk Assessor

To prepare this report, I drew upon my formal education in arboriculture and training used to obtain my International Society of Arboriculture credentials. Over my seventeen-year career I have worked with a diverse range of clients before, during, and after development projects with trees. I have been hired on a consult only basis.

#### Waiver of Liability

This information represents the tree health assessment at this point in time. My findings do not guarantee future safety nor are they predictions of future event. Information contained in this report covers only those items that were examined and reflects the condition of those items at the time of inspection. The inspection is limited to visual examination of accessible items without dissection, excavation, probing, or coring.

#### Attachments

- site map for illustration only and not to scale
- tree inventory

#### Texts

M. Dirr-Manual of Woody Landscapes, Fifth Edition, 1998

R. Harris, J. Clark, N. Matheny-Arboriculture Third Edition 1999

ANSI A300 Part 5-2019 Management of Trees and Shrubs During Site Planning, Site Development, and Construction

Tree Inventory Table 3705 77<sup>th</sup> Pl. SE

Tree ID	Scientific Name	Common Name	DBH (in)	Health Condition	Structural Condition	Combined Viability	Exceptional (Y/N)	Proposed Action	TPZ	Notes
1	<i>Pinus mugo</i>	Mugo pine	14	Good	Good	Viable	No	Retain	Dripline	Ornamental bonsai
2	<i>Acer palmatum</i>	Japanese maple	12	Good	Good	Viable	Yes	Retain	Dripline	<b>ROW</b>
3	<i>Prunus serrulata</i>	Flowering cherry	16	Good	Good	Viable	No	Remove		Construction encroaches the critical root zone
4	<i>Prunus subhirtella 'Pendula'</i>	Weeping Flowering Cherry	6	Good	Good	Viable	No	Retain		<b>ROW</b>
5	<i>Prunus sp.</i>	Cherry	8	Good	Good	Viable	No	Remove		Pest and disease issues/ construction encroaches the critical root zone
6	<i>Pinus sp.</i>	Pine	20				No			Neighboring tree
7	<i>Prunus sp.</i>	Cherry	8				No			Neighboring tree
8	<i>Prunus sp.</i>	Cherry	9				No			Neighboring tree
9	<i>Photinia</i>	Photinia	14				No			Neighboring tree
10	<i>Picea sp.</i>	Spruce	12				No			Neighboring tree
11	<i>Prunus sp.</i>	Cherry	13				No			Neighboring tree
12	<i>Prunus sp.</i>	Cherry	8				No			Neighboring tree



# CITY OF MERCER ISLAND

## COMMUNITY PLANNING & DEVELOPMENT

9611 SE 36TH STREET | MERCER ISLAND, WA 98040

PHONE: 206.275.7605 | [www.mercergov.org](http://www.mercergov.org)



## MERCER ISLAND TREE INVENTORY & REPLACEMENT SUBMITTAL INFORMATION

### PROJECT INFORMATION

Property Owner

Name:

Esther F Liu

Site Address or

Parcel Number:

3705 77th Pl SE

Project Contact

Name:

Charlie Chen

Contact Email

Address:

cchen@ccdesignhomes.com

Contact Phone

Number:

206 235 8818

### EXCEPTIONAL TREES

*Exceptional Trees*- means a tree or group of trees that because of its unique historical, ecological or aesthetic value constitutes an important community resource. A tree that is rare or exceptional by virtue of its size, species, condition, cultural/historical importance, age, and/or contribution as part of a tree grove. Trees with a diameter of more than 36 inches, or with a diameter that is equal to or greater than the diameter listed in the Exceptional Tree Table shown in MICC 19.16 under Tree, Exceptional.

List the total number of trees for each category and the tree identification numbers from the arborist report.

Number of trees 36" or greater

0

List tree numbers:

Number of trees 24" or greater (including 36" or greater)

0

List tree numbers:

Number of trees from Exceptional Tree Table (MICC 19.16)

0

List tree numbers:

### LARGE REGULATED TREES

Large Regulated Trees- means any tree with a diameter of 10 inches or more, and any tree that meets the definition of an Exceptional Tree.

Number of Large Regulated Trees on site 2 (A)

List tree numbers: 1 2 3

Number of Large Regulated Trees on site proposed for removal 1 (B)

List tree numbers: 3

Percentage of trees to be retained  $((A-B)/A \times 100)$  note: must be at least 30% 50 %

**RIGHT OF WAY TREES**

Right of Way Trees- means a tree that is located in the street right of way adjacent to the project property.

Number of Large Regulated Trees in right of way 1

List tree numbers: #2 Japanese Maple DBH=12"

Number of Large Regulated Trees in right of way proposed for removal \_\_\_\_\_

List tree numbers: \_\_\_\_\_

Reason for removal: \_\_\_\_\_

**TREE REPLACEMENT**

Tree replacement- removed trees must be replaced based on the ratio in the table below. Replacement trees shall be conifers at least six feet tall and or deciduous at least one and one-half inches in diameter at base.

Diameter of Removed Tree (measured 4.5' above ground)	Tree replacement Ratio	Number of Trees Proposed for Removal	Number of Tree Required for Replacement Based on Size/Type
Less than 10"*	1	<u>1</u>	
10" up to 24"	2	<u>1</u>	<u>2</u>
Greater than 24" up to 36"	3		
Greater than 36" and any Exceptional Tree	6		
<b>TOTAL TREE REPLACEMENTS</b>			

\*no replacement tree is needed if the tree fits all of the following;  
 Less than 10 inches in diameter, not an exceptional tree, and not a replacement tree from another tree permit. \*