

ARBORIST REPORT

DATE:

March 1, 2023

PREPARED FOR:

Traci Granbois

SITE ADDRESS:

8440 SE 82nd St Mercer Island, WA 98040 / Lot # 3625600120

PREPARED BY:

Kim Ettari - ISA Certified Arborist PN1301A / TRAQ

Laughing Trees Landscapes

5607 40th Ave NE Seattle, WA 98105

 $828\text{-}318\text{-}6088 \ / \ laughing trees lands capes@gmail.com$

NARRATIVE

SCOPE OF WORK

You have asked me to complete an inventory and tree retention plan for the trees on your property in preparation for the remodel project on your residence.

All documentation below should comply with requirements set forth in Mercer Island Municipal Code (19.10.010).

METHODOLOGY

The methods used for this assessment are as outlined in *Tree Risk Assessment* by Julian Dunster and as adopted by the International Society of Arboriculture (ISA). Additional standards, practices and specifications are as detailed in *ANSI Standard A300 (Part 9)-2017 Tree Risk Assessment a. Tree Failure.* The end goal of most assessments is to provide the owner or manager of the tree(s) with factual information, enabling them to make decisions about the management of the tree(s). For this particular assessment, I used a Level II Assessment that includes inspection of the root collar, lower trunk, upper limbs and canopy of the tree as can be seen from the ground. Basic assessment does not include climbing the tree or excavation of soils to inspect root structure or condition.

I measured fifteen (15) trees for their diameter at breast height (DBH), an industry standard of measuring trees at 4.5' above grade. Trees that were multi-stemmed or branched below the standard 4.5' point of measurement were measured in some other way and noted as such in the findings notes of the appropriate tree.

A tree inventory and assessment spreadsheet was created that details each tree by reference number, species/common name, size (DBH), drip line/canopy extension and condition with remarks as needed. (See attached inventory.)

A tree map was created indicating the locations, drip lines, and locations of any required tree protection fences. (See attached tree map.)

FINDINGS AND OBSERVATIONS

The subject site is a 13,400 sq ft residentail lot in an established neighborhood on the southern end of Mercer Island. Large, established trees grow around the perimeter of the property and the following trees were located on site:

Tree #1 - Thuja plicata / Western Red Cedar - 21" DBH - GOOD CONDITION

Tree #2 - Thuja plicata / Western Red Cedar - 12" DBH - GOOD CONDITION

Tree #3 - Pseudotsuga menziesii / Douglas Fir - 22' DBH - GOOD CONDITION

Tree #4 - Pseudotsuga menziesii / Douglas Fir - 26" DBH - GOOD CONDITION

Tree #5 - Pseudotsuga menziesii / Douglas Fir - 40" DBH - GOOD CONDITION

Tree #6 - Pseudotsuga menziesii / Douglas Fir - 33" DBH - GOOD CONDITION

Tree #7 - Pseudotsuga menziesii / Douglas Fir - 31" DBH - GOOD CONDITION

Tree #8 - Cornus nuttallii / Pacific Dogwood - 12" DBH - DEAD - REMOVE

Tree #9 - Cornus nuttallii / Pacific Dogwood - 15" DBH - FAIR CONDITION - REMOVE

Tree #10 - Pseudotsuga menziesii / Douglas Fir - 31" DBH - GOOD CONDITION

Tree #11 - Malus species / Apple - 8" DBH - FAIR CONDITION - REMOVE (unregulated)

Tree #12 - Pinus species / Pine - 12" DBH - POOR CONDITION - REMOVE

Tree #13 - Pseudotsuga menziesii - 9" DBH - GOOD CONDITION - REMOVE (unregulated)

Tree #14 - Thuja plicata / Western Red Cedar - 20" DBH - GOOD CONDITION

Tree #15 - Thuja plicata / Western Red Cedar - 25" DBH - GOOD CONDITION

RECOMMENDATIONS & CONSIDERATIONS

Mercer Island Municipal Code requires that 30% of the regulated trees on site be retained during development.

The tree retention breakdown for this site would be as follows:

Number of regulated trees on site: 13 trees

Number of unregulated trees on site: 2 trees

Proposed regulated trees for removal: 3 trees

Regulated trees to remain: 10 trees (76% > 30% meets requirement)

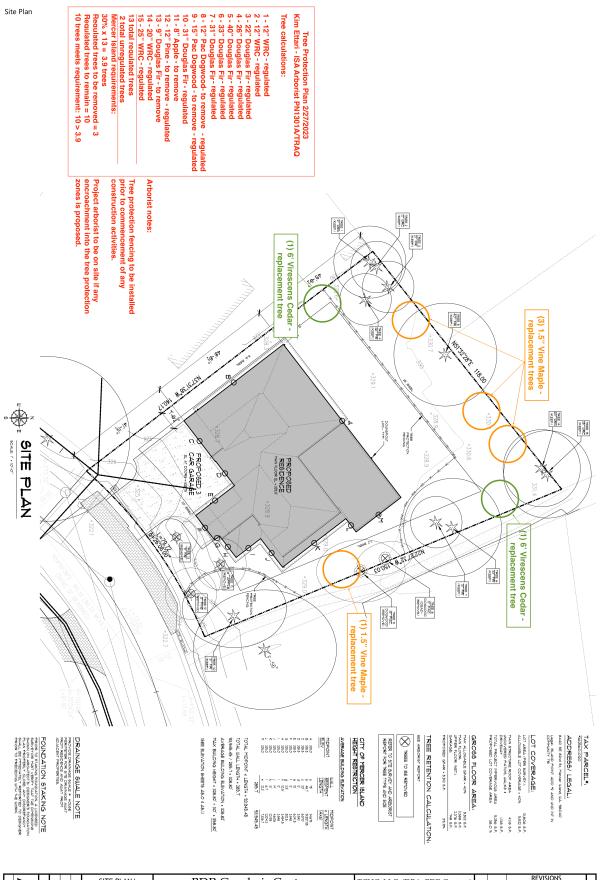
Tree protection fencing and attached signage should be installed prior to commencement of any construction activities on site.

LIMITATIONS

This report was based on the conditions of the trees and site at the time the report was written. Weather and site changes can alter the conditions at any time. Trees inherently pose a certain degree of hazard and risk from breakage, failure or other causes and conditions. Recommendations that are made by Laughing Trees Landscapes are intended to minimize or reduce hazardous conditions that may be associated with trees. However, there is and there can be no guarantee or certainty that efforts to correct unsafe conditions will prevent breakage or failure of the tree. Any recommendations made should reduce the risk of tree failure but they cannot eliminate such risk, especially in the event of a storm or any act of God. There can be no guarantee or certainty that all hazardous conditions will be detected.

Traci Granbois Tree Inventory - 8440 SE 82nd St Mercer Island, WA 98040

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Thuja plicata	Thuja plicata	Pseudotsuga menziesii	Pinus spcies	Malus species	Pseudotsuga menziesii	Cornus nutallii	Cornus nuttallii	Pseudotsuga menziesii	Pseudotsuga menziesii	Pseudotsuga menziesii	Pseudotsuga menziesii	Pseudotsuga menziesii	Thuja plicata	Thuja plicata	Botanical Name
Western Red Cedar	Western Red Cedar	Douglas Fir	Pine	Apple	Douglas Fir	Pacific Dogwood	Pacific Dogwood	Douglas Fir	Douglas Fir	Douglas Fir	Douglas Fir	Douglas Fir	Western Red Cedar	Western Red Cedar	Common Name
25"**	20"	9,	12"	ထ္ခ	31"	15"	12"	31"	33"	40"	26"	22"	12"	21"	DBH
10'N/10'E/ 10'S/10'W	10'N/10'E/ 10'S/10'W	8'N/8'E/8'S/ 8'W	10'N/10'E/ 10'S/10'W	10'N/10'E/ 10'S/10'W	20'N/20'S/ 20'W	10'N/15'E/ 15'S/20'W		10'N/10'E/ 10'S/10'W	20'N/15'E/ 20'S/10'W	20'N/20'E/ 20'S/20'W	10'N/15'E/ 20'S/20'W	10'N/12'E/ 12'S/10'W	10'N/10'E/ 10'S/10'W	10'N/10'E/ 15'S/15'W	Dripline
G00D	GOOD	GOOD	POOR	FAIR	GOOD	POOR	DEAD	GOOD	GOOD	FAIR	GOOD	GOOD	GOOD	GOOD	Condition
50' tall, multi-stem	50' tall, good vigor	35' tall, good vigor	40' tall, bark splitting/peeling on branches, significant dieback, co-dominant stems at 20'	25' tall, sparse crown, limb dieback	80' tall, on property line, limb dieback in lower branches, canopy weighted to west,	50' tall, low vigor, sparse crown, co-dominant stems at 12', limb dieback		100' tall, small limb failures, slight basal swelling	100' tall, small limb breakage	100' tall, lower limb dieback, basal swelling indicating possible root decay, holes in bark on trunk from rodents/birds, large buttress roots above ground, roots coming up into lawn on south	100' tall, branched up to 50'	100' tall, lower limb dieback, small branch failures	50' tall, growing in cluster with Trees 1, 3, 4	70' tall, co-dominant stems at 7', growing in cluster with Trees 2-4	Notes
		REMOVE	REMOVE	REMOVE		REMOVE	REMOVE								Action



> SITE PLAN/	BDR Granbois Custom	TCLIC LLC (DRA, PDR Contorn)			REVISIONS	П
	BDR Granbois Custom	TCHC, LLC. (DBA: BDR Custom)	No.	DATE	DESCRIPTION	1
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LOT COVERAGE	8440 SE 82na St.	(425) 889-5400				1 I

TREE PROTECTION AREA (TPZ)

KEEP OUT!

DO NOT REMOVE OR ADJUST THE APPROVED LOCATION OF THIS TREE PROTECTION AREA

Trees enclosed by this fence are protected and are subject to the conditions of the tree permit. Violation of tree conditions may lead to:

- Correction Notices or Stop Work Orders until compliance is achieved
- RE Inspection Fees/financial penalties
- 3. Arborist reports recommending mitigation

Crown drip line or other limit of Tree Protection area. See
Site/Utility Plan for fence alignment.

Notes

- No pruning shall be performed unless under the direction of the Project Arborist. Including limbing trees up.
- No grading, excavation, storage (materials, equipment, vehicles, etc.), or other unpermitted activity shall occur inside the protective fencing.
- Penalties for damaging by root damage/compaction or removing a saved tree may be a fine up to three times the value of the tree plus restoration (MICC 19.10.160).
- Any work in approved TPZ must be with the permission of the City Arborist (206) 275-7713, john.kenney@mercergov.org.
 5" course woodchips within the tree protection zone, but not against the tree trunk.

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Tree protection fence: 4-6" **chain link** fence, solidly anchored into the ground, or if authorized High-density polyethylene fencing with 3.5" x 1.5" openings; color orange. Steel posts installed at 8' o.c.

2" x 6" steel posts or approved equal

Maintain existing grade with the tree protection fence unless otherwise indication on the plans

TREE PROTECTION AREA

Any Work in the protected area must be with the permission of the City Arborist john.kenney@mercergov.org