

LEGEND

- 888 VIABLE TREE TO REMAIN
- 889 VIABLE TREE TO BE REMOVED DUE TO PROJECT OR NOT-SUITABLE TO MAINTAIN
- CONIFEROUS
- DECIDUOUS TREE
- DRIP LINE PER TABLE
- TREE PROTECTION
- A-C TREES LOCATED OFF SITE

TREE INVENTORY

Inventory Findings

Per the scope of work, Tree133 completed an inventory of trees within and overhanging the site and identified the following:

Tree #	Species	Common Name	dsh (in)	Exceptional	Suitable to Retain	Condition
1	<i>Thuja plicata</i>	Western red cedar	23.4	No	Yes	Generally good condition, asymmetric canopy, utility pruning on west side, impermeable asphalt driveway within dripline
2	<i>Thuja plicata</i>	Western red cedar	27.1	No	Yes	Codominant structure beginning at 5 feet, asymmetric canopy, foliage appears chlorotic with heavy cone crop, long-term viability uncertain
3	<i>Pseudotsuga menziesii</i>	Douglas-fir	48.5	Yes	Yes*	Canopy appears in good condition, previously raised to 30+ feet, majority of dripline area covered by impermeable asphalt, large roots lifting/cracking asphalt surface * Driveway on both sides of trunk, large/heavy vehicles during construction expected to negatively impact root zone immediately adjacent to tree
4	<i>Magnolia x soulangeana</i>	Saucer magnolia	16.7	No	Yes	Generally good condition, multi-stem structure, severe phototropic asymmetry
5	<i>Robinia pseudoacacia</i>	Black locust	11	No	Yes	Generally good condition, some visible deadwood, rooted on/near property line, dsh estimated due to blackberry brambles
6	<i>Chamaecyparis pisifera</i>	Sawara cypress	14.5	No	No	Tree girdled in multiple locations, bark stripped to 6 feet, not expected to survive
7	<i>Chamaecyparis pisifera</i>	Sawara cypress	11.0	No	No	Tree girdled, multiple 1/2-inch holes drilled, bark stripped to 6 feet, not expected to survive
8	<i>Prunus cerasifera</i>	Flowering plum	20.7	No*	No	Tree girdled in multiple locations, not expected to survive * Measured dsh is less than 1/2-inch below MICC Exceptional threshold
9	<i>Robinia pseudoacacia</i>	Black locust	12.7	No	Yes	Generally good condition, rooted adjacent to old garage structure, anticipate asymmetric root zone
10	<i>Thuja plicata</i>	Western red cedar	20.2	No	No	Bark stripped to 8 feet, multiple 1/2-inch holes drilled, not expected to survive
11	<i>Thuja plicata</i>	Western red cedar	12.7	No	Yes	Generally good condition, growing in close proximity to tree 12
12	<i>Thuja plicata</i>	Western red cedar	13.6	No	Yes	Generally good condition, growing in close proximity to tree 11
13	<i>Acer negundo</i>	Box elder	13.0	No	Yes	Heavy phototropic lean toward lake and existing dock, no visible indication of instability
14	<i>Thuja plicata</i>	Western red cedar	37.5	Yes	Yes	Generally good condition, codominant structure beginning at 4 feet, significant ivy growth on trunk
15	<i>Thuja plicata</i>	Western red cedar	36.1	Yes	No	Tree dead, bark stripped to 3-4 feet, multiple 1/2-inch holes drilled

16	<i>Pseudotsuga menziesii</i>	Douglas-fir	40.8	Yes	Yes	Good condition, may have previously lost top
A	<i>Thuja plicata</i>	Western red cedar	24	No	Yes	Overhangs from neighboring property (west), generally good condition, multi-stem structure, dsh estimated due to property boundary
B	<i>Robinia pseudoacacia</i>	Black locust	11	No	Yes	Overhangs from neighboring property (west), codominant structure beginning at 6 feet, generally good condition, dsh estimated due to blackberry brambles
C	<i>Acer negundo</i>	Box elder	24	No	Yes	Overhangs from neighboring property (south), generally good condition, dsh estimated due to property boundary

Summary

This inventory identified 19 total trees, with 16 within the site boundaries and 3 overhanging from neighboring properties. Within the site boundaries site, five (5) trees were identified as being dead, girdled, de-barked and/or drilled with the apparent intent of causing tree mortality. While some of these trees currently retain green foliage, visual inspection suggests none of these trees are expected to survive. It appears this intentional damage occurred within the past two (2) years.

The site also includes numerous large English laurel (*Prunus laurocerasus*), Rhododendron and Camellia, some with stems exceeding 10 inches diameter. Due to these species typically being characterized as shrubs, they are not included in this inventory.

This inventory identified four (4) Exceptional trees and a total of five (5) large trees greater than 24 inches diameter. One of the exceptional trees (#15) is now dead, likely due to intentional damage.

Mercer Island City Code (MICC) requires retention of at least 30% of regulated trees during/after construction. This inventory identified 11 trees that are suitable for retention. Trees with severe visible damage - as described above - are not included in this figure. At the 30% retention level per MICC, at least four (4) of the trees in good condition are required to be retained.

NO.	DATE	REVISION	SYM.

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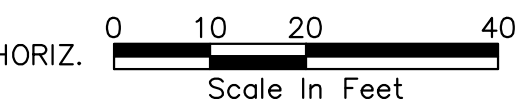
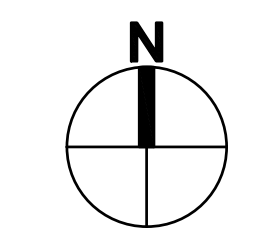
DHEERAJ KONERU
7002 93RD AVENUE SE
MERCER ISLAND, WA 98040

KONERU SHORT PLAT
6610 EAST MERCER WAY
MERCER ISLAND, WA 98040
TREE RETENTION PLAN

VERIFY SCALE
BAR IS ONE INCH ON ORIGINAL DRAWING.
IF NOT ONE INCH ON THIS SHEET, ADJUST SCALES ACCORDINGLY.
SCALE: 1"=20'
DATE: 07/20/21
DESIGNED BY: MA
CHECKED BY: JA
PACE PROJECT NO. 21436.00
L1.0
SHEET

FILE NAME: P:\21436_KONERU_RESUBMIT\RESUBMIT\ENGINEERING\DRAWINGS\21436_TREE.DWG
PLOT TIME: 9/14/2021 11:33 AM
USER: SUBSTANT
PLOT DEVICE: HP DesignJet 5000
REF: 21436_TREE.DWG
DATE: 9/14/2021 11:33 AM

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