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 Prepared for Vann Lanz
 BV Homes LLC
 8015 SE 60th St, Mercer Island, WA 98040

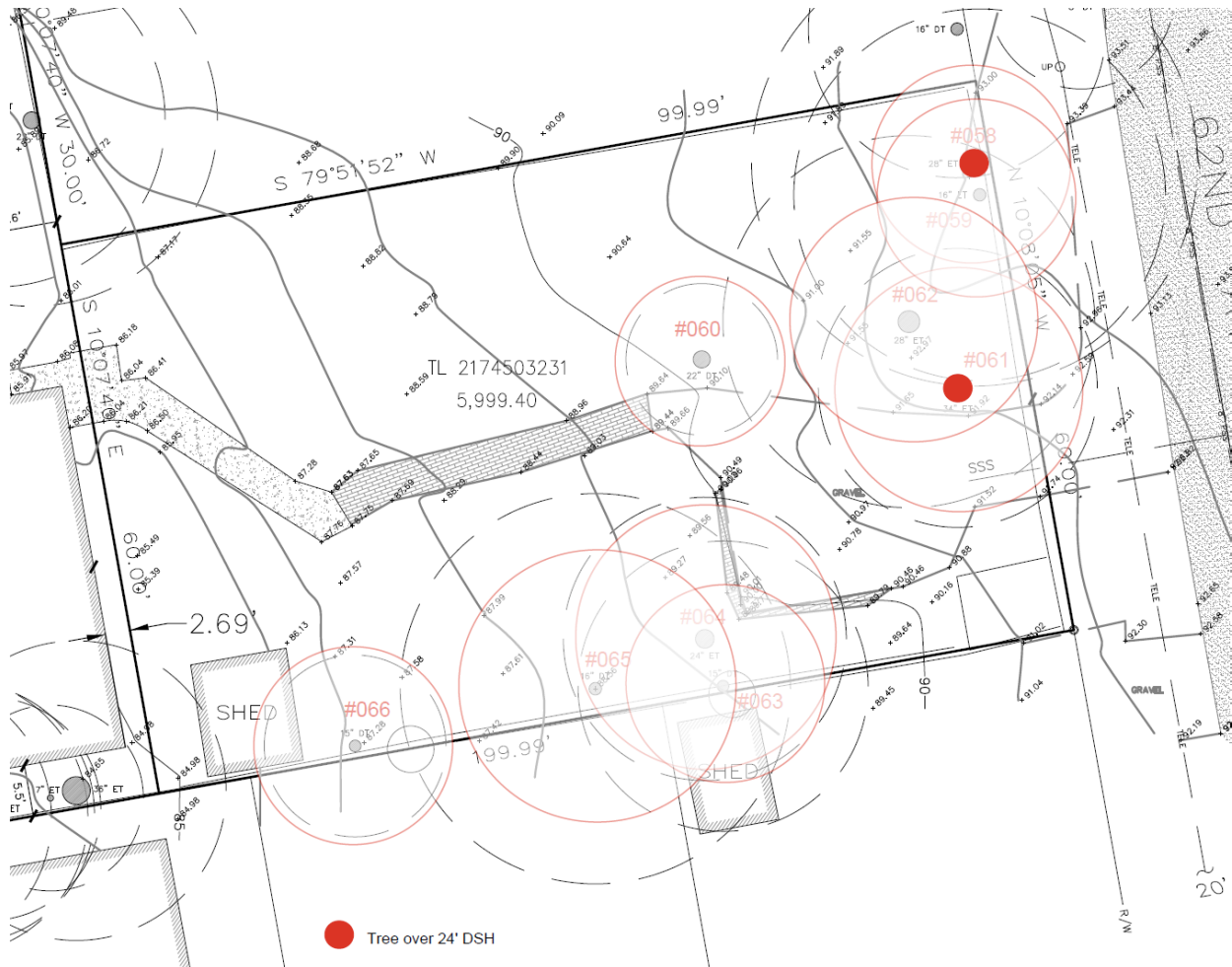
Site inventory of Trees over 6" DBH: 27xx 62nd Ave SE, Mercer Island, WA 98040

- Notes: 1) DBH = Diameter at Breast Height / 54" from ground
 2) T = Tall – Approximate by ground observation
 3) DL = Drip Line / Canopy width / diameter at widest measureable points

Tools used: Tape and Laser Measure. Visual Ground Level Observation.

1. Introduction

This arborist report has been prepared to assess the existing trees on the development site located at 27xx 61st Ave. S.E., Mercer Island, WA. The scope of the project involves the construction of a single-family home. The purpose of this report is to provide a tree inventory, assess tree health, and recommend retention or removal based on the proposed development plans.





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2. Tree Inventory

The following table summarizes the trees assessed on site:

Tree ID	Species	DSH	Exceptional	Height	Drip Zone Diameter	Condition	Comments	Removal
058	Western Red Cedar (Thuja pilcata)	25"	No	50'	24'	Fair	Codominant stem, poor structure, wishbone union at base	To be removed
059	Western Red Cedar (Thuja pilcata)	15"	No	50'	24'	Good		To be removed
060	Silver Birch (Betula Pendula)	22"	No	40'	20'	Good	Conflict with building area	To be removed
061	Douglas FIR (Pseudotsuga menziesii)	29"	No	65'	36'	Good	Conflict with building area	To be removed
062	Douglas FIR (Pseudotsuga menziesii)	23"	No	55'	36'	Good	Significant lean to the North. Conflict with building area	To be removed
063	European Plum (Prunus Domestica)	20"	No	30'	20'	Poor	High risk of failure due to structure defects	To be removed
064	Western Red Cedar (Thuja pilcata)	23"	No	50'	26'	Dying	No foliage on East side	To be removed
065	Northern Red Oak (Quercus Rubra)	17"	No	55'	30'	Fair		Save
066	Bigtooth Maple (Acer Grandidentatum)	16"	No	45'	24'	Fair		Save

3. Tree Health Assessment

Each tree has been evaluated for structural integrity, health (disease, pests, decay), and potential to thrive post-development. Trees selected for retention will require protection during construction.



4. Disturbance allowance

The Critical Root Zone is measured as one foot of radius for every inch of trunk diameter measured at 4.5 feet from grade. Measurements are calculated from DSH and may not be an accurate representation of the actual dimensions of the root zone of the trees in the field. Factors may limit root growth and expansion such as slope, hardscape or compacted areas, or tree health.

5. Protection Measures

For the retained trees, the following steps are recommended:

Tree Protection Zone (TPZ) Fencing:

- Install tree protection fencing at least 4' high and construction from chain link fence for exceptional trees and/ or high visibility safety fencing materials around the drip line of all trees that are to be retained prior to construction.
- Install tree protection fencing at least 4' high and construction from chain link fence for exceptional trees and/ or high visibility safety fencing materials around the drip lines of trees that extend over the subject property.
- "Tree Protection Area - Keep Out" or similar signs must be posted at regular intervals along the tree protection fencing.
- Limits of Disturbance (LODs) should be designed in such a way that they cannot be easily moved or dismantled.
- LODs must remain intact throughout the duration of the project and can only be removed, either temporarily or permanently, with authorization from an ISA-certified arborist, following submission and approval of a removal request.
- No work or access is allowed within the LOD of retained trees. This includes the storage of materials, parking, or contamination of the soil through equipment washout.
- No excavation or material storage within the protected zones.
- Ensure periodic inspections during construction.

Soil Protection:

- In addition to tree protection barriers, additional care measures are recommended for preserved trees. These include mulching around the dripline, providing supplemental fertilization for stressed trees, irrigation as needed, soil amendments, soil aeration, and pruning to remove deadwood or create necessary clearance for protection.



Construction Activity Restrictions:

- No grading, excavation, or heavy equipment within TPZ areas

Monitoring and Inspections:

- A qualified site arborist should be retained for the entire project to perform periodic inspections, ensure compliance with tree protection measures, and assess the health and condition of the trees during construction

TREE PROTECTION AREA (TPZ)

KEEP OUT!

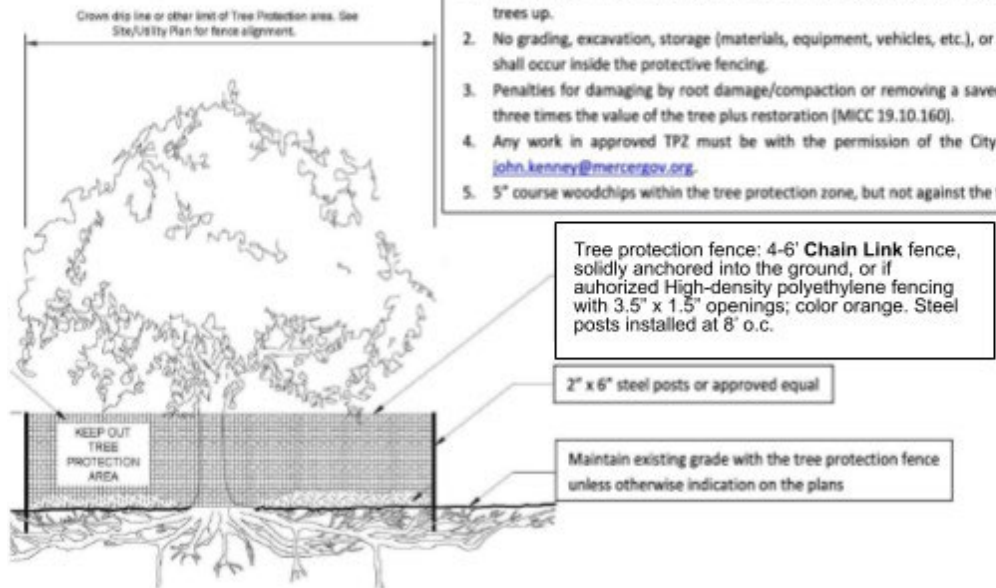
DO NOT REMOVE OR ADJUST THE APPROVED LOCATION OF THIS TREE PROTECTION AREA

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

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

Notes

1. No pruning shall be performed unless under the direction of the Project Arborist, including limbing trees up.
2. No grading, excavation, storage (materials, equipment, vehicles, etc.), or other unpermitted activity shall occur inside the protective fencing.
3. 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).
4. Any work in approved TPZ must be with the permission of the City Arborist (206) 275-7713, john.kenney@mercergov.org.
5. 5" course woodchips within the tree protection zone, but not against the tree trunk.



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

6. Conclusion

This report provides a detailed tree inventory and recommendations for the development site at 27xx 61st Ave. S.E., Mercer Island. Of the trees evaluated, two trees are recommended for retention, while seven trees are to be removed. Proper protection measures must be enforced to preserve the health of retained trees throughout construction.