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A team of ISA Certified Arborists with the TRAQ rating inspected your project (Lanier-Pfleeger residence on the southwest corner 78<sup>th</sup> AVE SE & SE 71<sup>st</sup> Mercer Island. What follows is a brief discussion and inventory of the trees. Including the species, diameters, general health, whether each tree is to be removed or retained and locations of protection fencing required for preservation of those trees remaining. Each tree is now sporting a numbered metal tag that corresponds to the attached site map and the spreadsheet with basic tree information.

The included tree retention form shows a need for 52 replacement trees. Location of plantings to be determined.

The Limits of disturbance are shown along with the location of tree protection measure/fencing on the attached site map. The fence location will be the boundary/limit for all construction activity. No travel vehicle or foot is allowed past the fencing. Also banned; excavation, storage of materials outside of the fencing. Limits of disturbance and the location of fencing was determined using the driplines of the trees and the 25% of encroachment allowed by ISA guidelines. Hand digging in the proximity of roots to be impacted is required down to 1.5'. Any roots found to be cut leaving a smooth face vertically with all bark attached to the wood. Roots 1.5" in diameter and larger are to receive this treatment. Covering of the roots found are to be covered at the end of each day.

The trees slated for removal are all in the building and access footprint and the reason for their removal. Tree 38 & 46 A Big Leaf Maple a Madrona snag that are completely dead and will be made into habitat trees, leaving 15' snags. Trees 41 dead and in the footprint of the building and will be cut to ground.

The effects of the tree removal and any resultant damage from weather will be mitigated by the fact that the removals are in the interior of a well forested stand and would be shielded from the stronger winds. The extra light that will penetrate will have a beneficial affect in that the canopies of most all the trees are deformed by the overcrowding now in effect. There is bound to be unanticipated branch or possible tree failures until a full adjustment is made by the remaining trees to the new situation.

All Tree protection measures are to be in place as the first action at the beginning of development.

Respectfully Submitted

Neal Baker  
ArboristsNW.com  
ISA Cert. PN1075A  
TRAQ ISA (Tree Risk Assessment Qualified)  
Member AREA & SOCA

