

## **Arborist Report**

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3507 NE 153rd St. Lake Forest Park, WA.

This report regards the total inventory and the suggested removal of certain listed trees (please reference attached inventory) in response to the proposed construction of a multi-family building and parking area at the above address. The rough building layout and parking functions have been communicated to me by Michael P O Pearce, and these are my best recommendations based upon that interaction. The replanting locations (if required) will have to develop as the building plan does. Being that this will be a multifamily lot, the 15% canopy coverage will be easily maintained if the proposed trees are taken out.

The map attached is to scale and shows the CRZs of all the trees discussed.

Trees 1-7, though not all on intended parking spaces, will all have grading and heavy vehicle traffic well within their IRZ and will therefore need to be removed to satisfy parking area requirements.

Trees 1-2 have been severely topped for the powerlines and though they are not within the property boundary, the work on the site will be within in their IRZ as well.

Trees 3-7 are all healthy, tree 7, a 21" doug fir has codominant tops.

Tree 8 is an apple tree, very old some disease but alive. It's CRZ will not be affected by the building footprint. An orange snow fence, 3' tall, in a 10.5' radius from the trunk should be installed prior to project start if it is desirable to keep the tree.

Trees 9-10 are large healthy doug firs which are within the proposed building footprint and will need to be removed.

Trees 11-12 are small Big Leaf Maples on the edge of the proposed foundation line(same line as existing structure). They are also on the top of the 40% slope making up the north end of the property. However, the construction on that portion of the building, though it be on the flat ground, will come inside those trees' IRZ and potentially cause death and/or failure of the trees. These trees are recommended to come out.

Tree 13 is a healthy hemlock on the steep grade, it's CRZ slightly overlaps the supposed corner of the new building, but it's position on the hill guarantees very little traffic otherwise, the hill/slope is basically it's protection fence. No construction will touch it's IRZ, but since the building plan is not finalized, it is unclear how much of the CRZ the construction may affect and whether this tree should be removed. This function may require a geologists' review per LFP city code. If it were removed, canopy coverage would still be easily maintainable.

Trees 14-21 are all healthy and on the steep slope well away from any possible construction. These all stay.

Trees 22-26 I will mention because they have potential tree removals close to them. All of their CRZ that comes onto the property are already underneath the driveway, and the wind already comes from the east as these trees are heavily shielded on the west by forest. Given these factors, the negative effects of construction on these trees should be very minimal if at all, granted they do not replace the existing driveway.