



## ARBORIST REPORT

*Located at:* Market St NE & Tierra Dr NE, Salem

*Prepared for:* Jaime Van Agtmael of LEI Engineering & Surveying of Oregon

*By:* Tim Jones, ISA Certified Arborist #PN-6819-A / TRAQ Certified

*Evaluation performed:* March 13, 2025

Our company was contacted by Jaime Van Agtmael of LEI Engineering & Surveying of Oregon regarding tree removals, tree mitigation options and tree protection recommendations for a new construction project located on the lot at the southeast corner of Market St NE and Tierra Dr NE in Salem.

I visited the site on March 13, 2025 to review the impact of the upcoming construction work on the trees located on the property. After reviewing the construction plans and walking the site, I recommend the following:

- **Remove tree 88001713.** This tree is within close proximity to the proposed building on lot #3. The excavation for the building will damage this tree's buttress roots, causing significant health and structural integrity issues.
- **Remove trees 88001362, 88001363 and 88001364.** These three trees are located inside the footprint of the proposed buildings on lots #3 and #5.
- **Remove trees 3141, 3146, 3147, 3148, 3149, 3150 and 3151.** These seven trees are all located inside the construction footprint, or will be significantly damaged during excavation, of the driveway for the new subdivision.



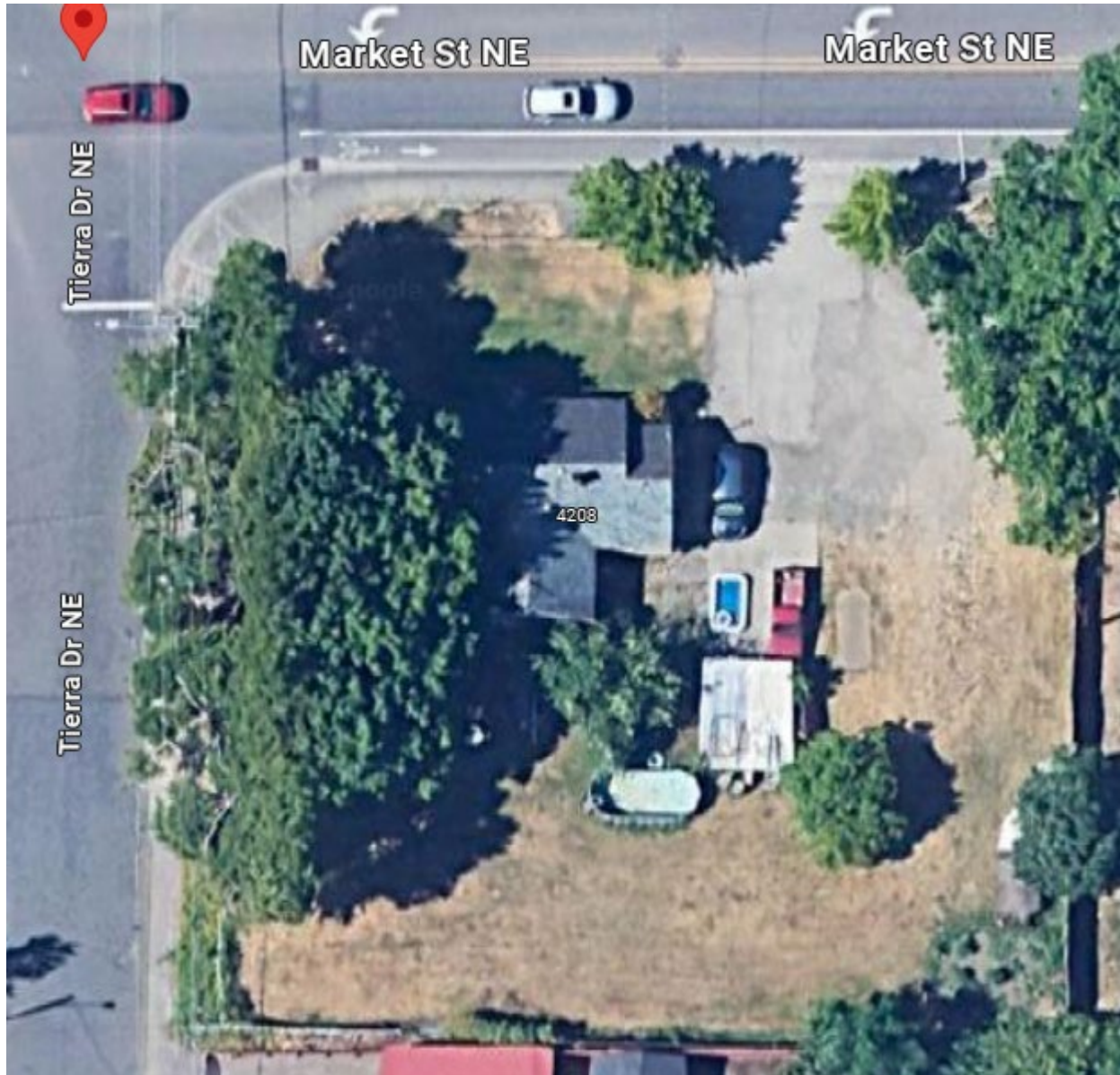
- **Retain tree 3156.** This apple tree is currently located near an existing structure and will have limited roots to the north. I recommend placing protection fencing approximately one foot outside of the drip line to the north and to the west, and extend the protection an additional five feet outside of the dripline to the south and east. Protecting these areas of root zone will allow the tree to retain enough undisturbed roots to remain in good health.
- **Remaining row of cedar trees north of tree 3146.** I recommend protecting this row of cedar trees starting from tree 3146 (or stump if tree removed) and continuing the protection in an eastward direction, outside of the dripline of the remaining trees, and extending the protection northward. (*see Diagram 2*) I recommend not stump grinding tree 3146 to minimize the risk of root damage to remain tree 3145.
- **Retain tree 1534.** In my opinion, if lot #4 is not excavated or impacted by heavy equipment, other than existing established paved driveway, it will protect the tree from significant damages.

It is important during the excavation stage of the construction process that proper root cuts are made to minimize damage and allow the remain trees the best opportunity for recovery. In addition, contractors must avoid any material storage or machinery access on the remaining areas of the zone. This would be best protected by construction fencing to restrict access.

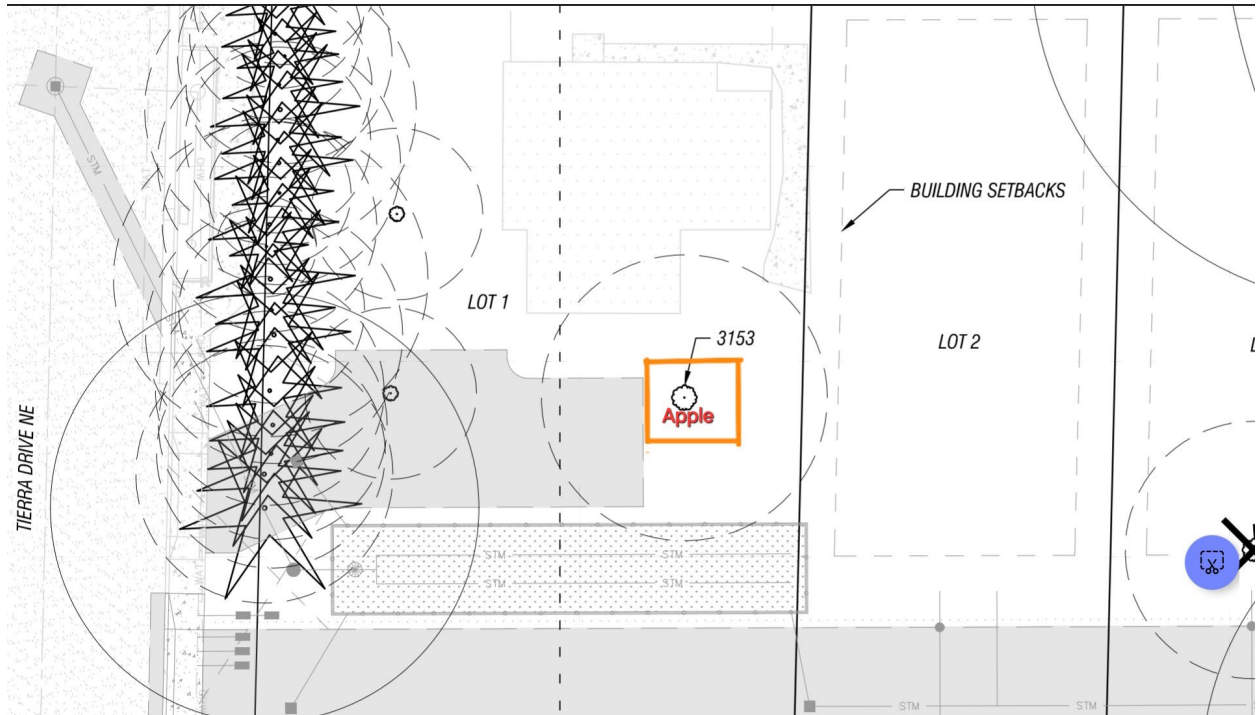
Any disturbance of the roots up to 30% should not compromise the long-term health and stability of the remaining trees as long as the city recommended and tree protection requirements are followed as per the information provided in this report.

**OVERVIEW**

*Google Image 2025 (snipped March 13, 2025)*



**DIAGRAM 1**



**DIAGRAM 2**

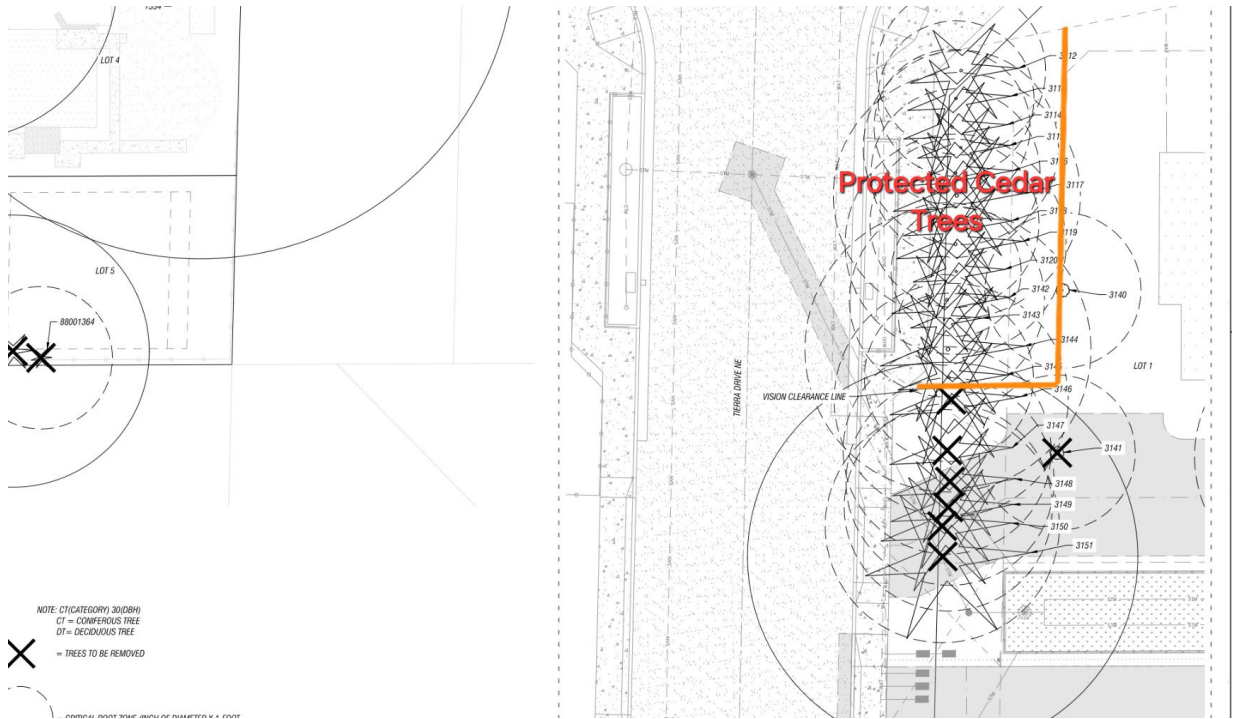
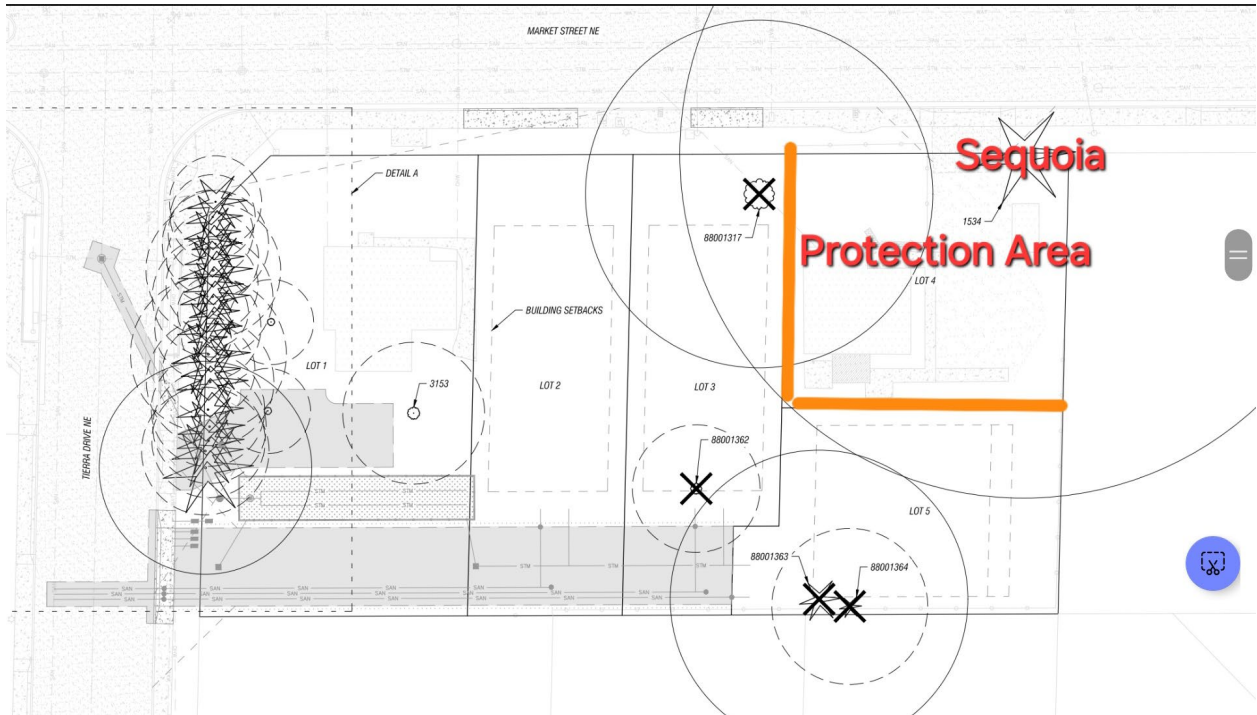




DIAGRAM 3





## Tree Protection Measures

The following tree protection recommendations are recommended.

- Establish a tree protection zone (TPZ) around the trees by installing sturdy fencing at a minimum of the tree's drip line
- Confine construction offices, vehicular parking, worker break sites, and material storage to locations outside of the TPZ.
- Avoid cutting tree roots over 4" in diameter.
- Make all necessary cuts to tree roots clearly with sharp tools, never tear with a back hoe.
- Do not change soil grade within the TPZ by cutting or filling.
- Take care to not wound or break tree trunks or branches through contact with vehicles and heavy equipment.

Any disturbance of the roots up to 30% should not compromise the long-term health and stability of the tree as long as the and tree protection and the city recommended requirements are followed as per the following page.



### **City of Salem Requirement Code**

SRC. 808.046 (a)(3)(A). Up to a maximum of 30 percent of the critical root zone of a tree may be disturbed in order to accommodate the development of the property when a report from an arborist is submitted documenting that such disturbance will not compromise the long-term health and stability of the tree and all recommendations included in the report to minimize any impacts to the tree are followed.

SRC. 808.046(a)(1)(2). Trees. All trees shall be protected during construction with the installation of an above-ground silt fence or its equivalent.

- The above-ground silt fence shall encompass 100 percent of the tree's critical root zone.
- Within the area protected by the above-ground silt fence, the tree's trunk, roots, branches, and soil shall be protected to ensure the health and stability of the tree; and there shall be no grading, placement of fill, storage of building materials, or parking of vehicles