



ARBORIST REPORT

Located at: 1861 Park Ave NE, Salem

Prepared for: Jensen Construction

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

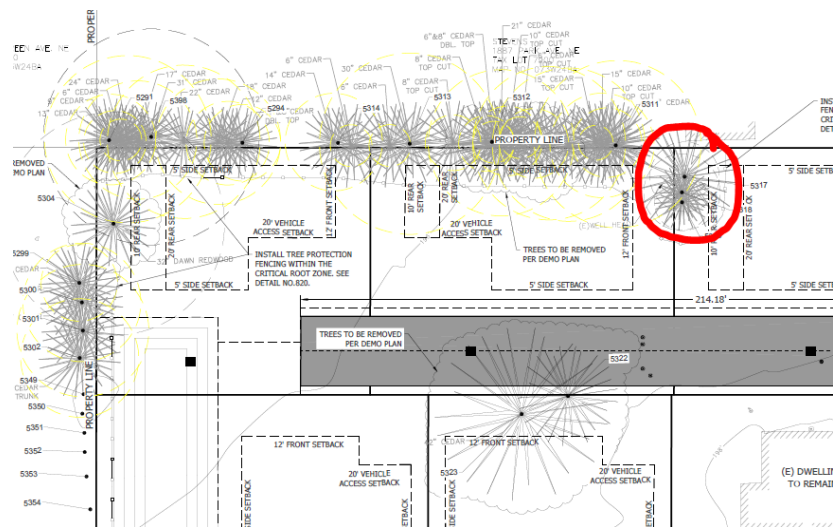
Evaluation performed: January 23, 2024

DESCRIPTION

Protection measures during construction as pursuant to SRC 808.046(a)(3)(A)

Our company was contacted by Don Jensen of Jensen Construction regarding tree protection measures and assessment of remaining trees at a proposed construction site located at 1861 Park Ave NE in Salem. The new construction site will contain residential building(s).

Fencing protection is recommended adjacent to one redwood tree (32" dbh) four red cedar trees (17", 19", 17", 11" dbh) located along the west side of the property and a row of small yew trees on the northwest corner. The yew trees are marked in red on the plan below.





The following recommendations are based on printed building plans as provided to me for the site visit on January 23, 2024. And emailed plans on 2/14/2024.

- The redwood is known for its vast root system. I recommend extending the protection fencing to a minimum of 12 feet from the root flare of the redwood.
- I recommend installing protection fencing along the east side of the four red cedars trees.
- The yew trees are a smaller species from the cedar and redwood but extend further south into the property. I recommend protection fencing on the three sides at approximately eight feet from the edge of the root flare of the yews.
- I recommend installing proper drainage at the new construction site to keep run off from impenetrable surfaces (i.e. concrete, blacktop) away from the root zones to minimize oversaturation.
- I recommend not disturbing the roots on the back north / northwest) sides of the trees, which backs up to adjacent properties, to keep within the recommended 30" or less of root loss.



Any disturbance of the roots up to 30% should not compromise the long-term health and stability of the trees as long as the city recommended and tree protection 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

Tree Protection Recommendations

- Establish a *tree protection zone* (TPZ) around the protected tree by installing sturdy fencing at a minimum distance of the tree's drip line.
- Confine construction offices, vehicular parking, worker break sites, and material storage to locations outside of the TPZs.
- Avoid cutting tree roots over 4 inches in diameter.
- Make all necessary cuts to tree roots cleanly with sharp tools; never tear with a backhoe.
- 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.