R & R TREE SERVICE Inc.

ARBORIST REPORT

Located at: 2615 E Nob Hill St SE

Prepared for: Ryan Kintz

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

Evaluation performed: October 31, 2023

DESCRIPTION

Hazardous Tree Removal pursuant to SRC 808.030(d)(1)(2).

Our company was contacted by Ryan Kintz, property owner of 2615 E Nob Hill St SE in Salem, regarding a hazardous Oregon white oak tree. The tree is approximately 32" in diameter at breast height (dbh) and as a defined significant Oregon white oak tree over 20" dbh, requires a permit from the city to remove.

I visited the property on October 31, 2023, to assess the health of the tree, make observations and take pictures.

At first glance the foliage appears to be good and the tree does not have any outwards signs of major structural damage, however after looking more in-depth at the site, it revealed issues with the tree that could result in severe consequences.

1. (Root Flare Issues) I pulled back the ground cover which revealed the root collar to be buried. Typically, when I find this issue, it can be mitigated by air spade excavation to alleviate the problem, but researching the history of this site I found pictures back to 2012 with this same mounded dirt area around the collar. With the collar buried for over a decade there is a high likelihood there may already be sapwood or heartwood decay already present.

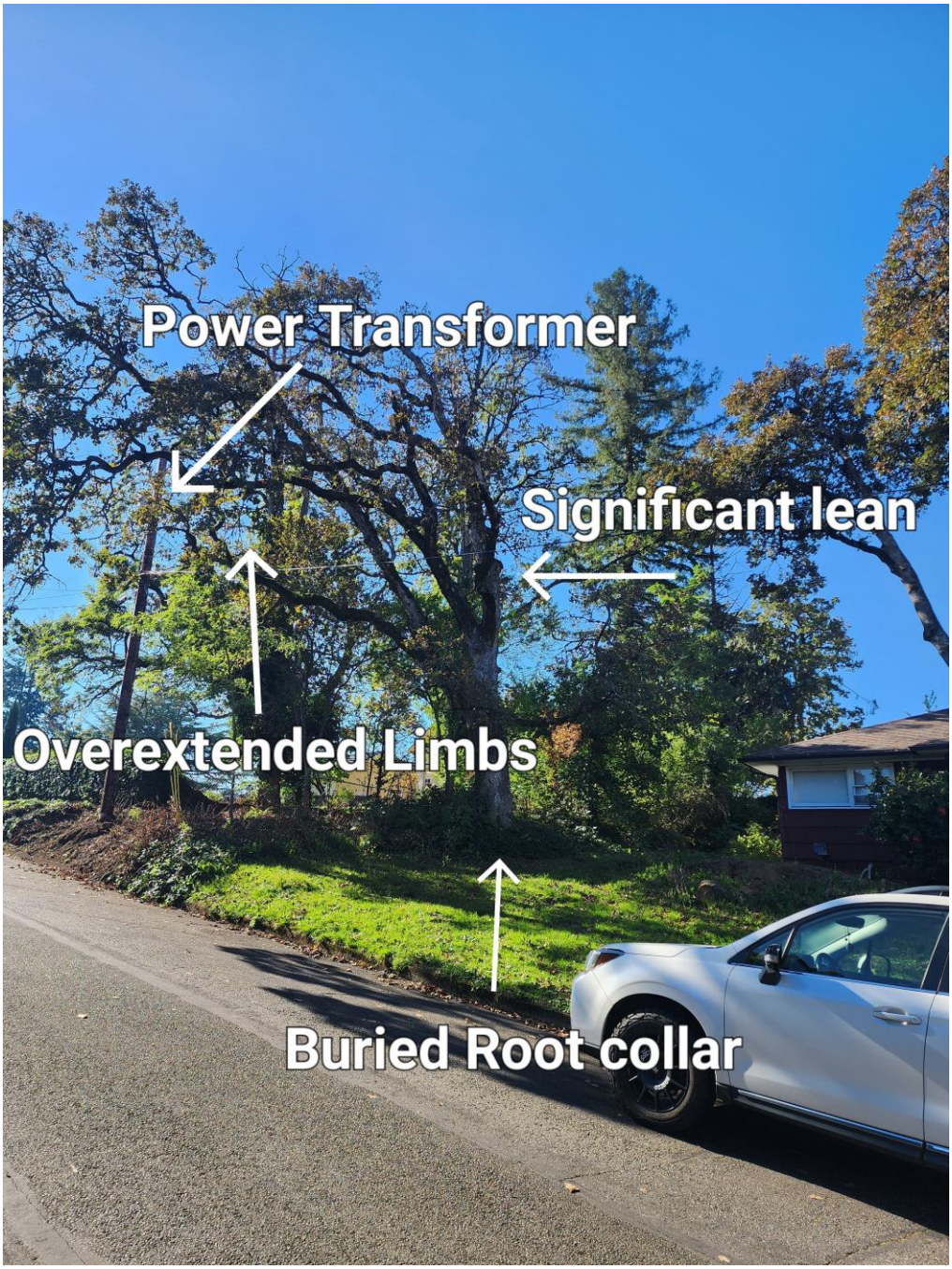
2. (Site Change Issues) The tree has a severe lean to the S/SE toward the street and utility power pole. After looking into the history of the site it revealed this oak tree is leaning due to phototropic growth pattern as an understory tree. Up until 2022 this remaining oak tree was an understory tree to a mature white oak. This growth pattern is typically structurally fine due to protection from the elements by the dominant tree. However, the dominant tree no longer exists. Suppressed understory trees left exposed after the dominant tree has been removed, become much more likely to succumb to severe weather events, potentially leading to catastrophic failures. If this tree fails either by stem loss or whole tree failure there is a very high likelihood of impacting the road way and utility pole
3. (Species and Structural Issues) The oak tree is severely weighted to one side with overextended scaffolding limbs. With this species failure profile of sudden limb drop these over extended limbs have a moderate risk of failure in the summer months. Second is when a tree is one sided the wind will exert a dynamic force on the tree causing a twisting pressure on the stems and bole of the tree that can lead to failure.

In my opinion with all of the above issues and significant site change it would be in the best interest of public safety to remove the tree. These hazards cannot be alleviated by treatment or pruning.

LOCATION – Overview

R & R TREE SERVICE Inc.

Picture taken 11/03/2023



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