

SUF

SOUND URBAN FORESTRY, LLC

Appraisals ~ Site Planning ~ Urban Landscape Design and Management
Environmental Education ~ Risk Assessments

3/15/2023

City of Tumwater
Water Resources and Sustainability Department
Alyssa Jones Wood, Sustainability Coordinator
555 Israel Rd SW
Tumwater, WA 98501

RE: Proposed Heritage Tree – 5800 Littlerock Road SW Oregon White Oak

Ms. Wood:

Upon the request of the City of Tumwater, I have conducted an assessment of a tree located within the City's ROW adjacent to the Walmart property at 5800 Littlerock Rd SW. This tree has been nominated as a heritage tree by a member of the Tree Board. I visited the site on March 9, 2023.

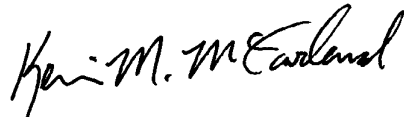
Findings

The identified tree is an Oregon white oak (*Quercus garryana*). Diameter at breast height measures 44" with an approximate height of 62'. Live canopy ratio is 40% and the overall condition is good. There are broken/damaged and dead branches measuring 3" in diameter and greater within the canopy. Trunk soundings did not indicate internal stem decay and there are no other indications of decay or structural issues. I did find evidence of *Armillaria* (shoestring root rot) rhizomorphs along the soil covered base of the tree.

Comments

The tree would benefit from selective pruning to clean the crown of any stubs and dead or damaged branches measuring 3" or greater in diameter. Also of concern is the excess soil and mulch around the base of the tree. Soil level should be so that the root flare is visible. I would recommend that the excess soil be carefully removed at an angle out to a distance of 4' so that the root flare be exposed (see photos and diagram). This should be accomplished by hand without the use of any equipment. No equipment should be allowed under this tree. The health of the tree may be compromised by the *Armillaria* if this is not done.

Professionally Submitted,

A handwritten signature in black ink that reads "Kevin M. McFarland". The signature is written in a cursive, flowing style.

Kevin M. McFarland, Principal
Consulting Forester, Contracted City of Tumwater Tree Protection Professional
ISA Certified Arborist PN-0373 & Tree Risk Assessment Qualified

Sound Urban Forestry, LLC
P.O. Box 489
Tahuya, WA 98588
360-870-2511

Location of Nominated Tree



Photo of Nominated Tree



Photo of Excess Soil at the Base



Photo Showing Lack of Root Flare at Base



Diagram of Recommended Root Flare Exposure

