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SOUND URBAN FORESTRY, LLC

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

2/17/2023

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

RE: Proposed Heritage Tree – 1500 79th Ave SE 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 property at 1500 79th Ave SE. This tree has been nominated as a heritage tree by a member of the Tree Board. I visited the site on February 8, 2023.

Findings

The identified tree is an Oregon white oak (*Quercus garryana*). Diameter at breast height measures 42" with an approximate height of 85'. Canopy spread measures 60'. Overall condition is fair. There are two fungal fruiting bodies at the base on the north side.

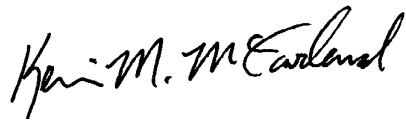
Based on a 6" core sample and calculations the approximate age of the tree is 179 years (+/- 10 years).

Comments

The identified fungal fruiting bodies are associated with Inonotus Root and Butt Rot (*Inonotus dryophilus*). Infection is likely due to past grading that occurred on the north side, within 5' of the base. It is probable that the grading resulted in the tearing or ripping of large root(s) which allowed the wood decaying pathogen to establish. The extent of the infection is not significant at this time and has not caused instability or decline in the tree condition. I recommend it be monitored for any change in health.

The tree would benefit from selective pruning to clean the crown of dead or damaged branches measuring 3" or greater in diameter.

Professionally Submitted,

A handwritten signature in black ink, reading "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
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Location of Nominated Tree

