



"Promoting the health of our neighborhood's trees"

Certified Arborist Report

Subject: Tree Failure Evaluation

Address of the Report: Linn Ave (near Central Point intersection)
Oregon City, OR 97045

Date of the Report: 09/22/2017

Report Submitted To: City of Oregon City
c/o Wes Wilson

Summary

The purpose of this report is to examine the subject tree that has fallen over and determine why or what caused the tree to fail. The subject tree is a White Oak (*Quercus alba*) that was located roadside in the median strip of Linn Ave near the local school there. The tree's DBH was approximately 40" and stood roughly 70 feet tall with a crown spread of 45 feet. From my understanding, the tree stood upright with very little lean.

During my initial inspection of the fallen White Oak I was able to identify quickly that the tree failed at the buttress roots (see attached picture). The vast majority of the buttress roots and main root plate are all invaded by fungus which has changed the structural integrity of the wood making it weak and mushy. I was able to identify the fungus as Ganoderma root rot fungus. External signs on the outside of the trunk were surprisingly minimal with a small section on either side showing a dark discoloration and some bark de-laminating from the cambium.

In conclusion, the subject White Oak failed at the roots due to Ganoderma root rot, which had progressed quite extensively through the main root plate. Only by close examination prior to the tree's failure would one be able to identify that something was going on, but even then, it would have not led the examiner to believe such extensive rot was occurring.

Sincerely,

Mike Jolliff
All Around Arbor, Llc
ISA Certified Arborist
Lic# PN-6658A

4219 SE Center St, Portland, Oregon 97206
Ph# (503) 730-3632 • Fax# (503) 253-1232

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Extensive Ganoderma root rot evident throughout root plate



Showing slight discoloration where trunk met the dirt line

