



Urban Forestry Associates, Inc.
Moritz Arboricultural Consulting

8 Willow Street, San Rafael, CA 94901
Tel: 415 454-4212 Fax: 415 454-4218
info@urbanforestryassociates.com

Bill to: Lizette Hug
15 Durham Rd.
San Anselmo, CA

FIELD REPORT

Client Information	
Inspection Date	Phone
12/4/13	(415)457-1777
Project Name	
Redwood Assessment	
Site Address	
15 Durham Rd. San Anselmo	
Referred By:	
Arborlogic	

ISSUE / PURPOSE OF INSPECTION:

Redwood causing damage to sewer line and foundation.

A. OBSERVATIONS

B. CONCLUSIONS

C. RECOMMENDATIONS

A. Observations

Species: Sequoia sempervirens (Coast Redwood)

Size: 31.0" DBH

Location: 7' NE of back unit

Condition: Good. The canopy is full and healthy and the tree is growing vigorously. The tree had a forked top with co-dominant leaders, one of which broke and fell on the yard. The remaining stem likely has poor attachment. There are large structural roots uplifting the patio and pressing on the foundation of the structure that is approximately 70 years old and built using CMU's. The owners recently had the sewer line cleared of roots from the tree.

This is your invoice. The fee for this consultation is due and payable upon receipt. This fee is not contingent on any particular outcome or third party event. This fee is for services rendered to date. Additional consultation (verbal or written), court appearances, depositions or any other services will be additionally billable.

Additional work needed

Hours

1.0

Misc. Charges

Arborist Name:

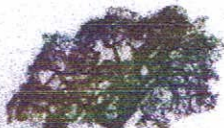
Benjamin Anderson

Arborist Signature:

[Signature]

AMOUNT DUE

\$150.00



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B. Conclusions

This tree will be an ongoing problem that will only increase in severity with time. The roots were only cleared from the sewer line, but the cracks still exist and the roots will certainly grow back to clog the line.

Redwoods have very aggressive roots and this tree is growing especially fast likely due to the access to sewer water. The CMU walls are already cracking. The roots may or may not be the cause of these cracks but will certainly exacerbate the damage as they increase in size and move the foundation. The tree is approximately 25 years old (planted by the owners) and is already 65' tall and 31" in diameter. The height of redwoods is limited this far inland and the majority of future growth will be in girth of the stem and roots. The tree is too close to the home to cut the roots without risking whole tree failure. The front home would be the target.

C. Recommendations

Complete removal of the tree for safety.

LIMITATIONS:

The health and hazard assessments in this report are limited by the visual nature of the assessment. Defects may be obscured by aerial foliage, branches, multiple trunks or other trees. The probability of tree failure is dependent on a number of factors including: topography, geology, soil characteristics, wind patterns, species characteristics, structural defects (both visually evident and concealed), and the characteristics of a specific storm. Structurally sound, healthy trees are wind thrown during severe storms. Consequently, a conclusion that a tree does not require corrective surgery or removal is not a guarantee of no risk, hazard or sound health.