

## Kurt Stegen Consulting Arborist

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Date: September 11, 2019

Location: 450 Diamond Oaks Road  
Roseville, CA. 95678  
APN 015-360-022

Customer: Tangent Design & Engineering Corp  
660 Auburn Folsom Road St 204  
Auburn, CA. 95603  
916-572-5955  
[www.tangentde.com](http://www.tangentde.com)

ASSIGNMENT: Kurt Stegen is to do the following:

- Three oak trees will be evaluated for a residential lot in Roseville California.
- Stegen Consulting will provide an arborist report for the City of Roseville. The report includes the diameter of the tree (DSH), the radius of the drip line.
- The report also evaluates the health of the trees and makes recommendations for follow-up action.

## SUMMARY:

There are three Blue Oaks (*Quercus douglasii*) being evaluated. All three trees have to be removed because they are in the footprint of the new construction. At the back of the lot tree #3 is near the property line. The tree has extensive internal decay and is hazardous. It has the potential to fail and fall. It should be removed immediately. The adjoining property owner should be notified of the hazardous tree and any work that would affect the tree and other vegetation along the property line.

## THIS REPORT IS LIMITED BY:

- All of the inspection was done from the ground. Not all tree defects may be visible from the ground.
- Visual Tree Assessment (VTA) did not include diagnostic testing.

## METHOD:

Visual Tree Assessment was used to inspect the trees. Species, diameter, and condition were recorded. The diameter at standard height (DSH, rounded to the half inch) was taken using a Spencer Diameter Tape.

Tree species, diameter, identification number and condition were recorded in a data dictionary and transferred to the "Tree Hazard Evaluation Form."

## OBSERVATIONS:

The lot is located in an established neighborhood in Roseville, California. The lot slopes up from the street. There is a public park on the west of the property. There are two residential homes to the east and the south. Oak #3 is near the property line on the east side of the property. The tree has extensive decay.

# Exhibit A

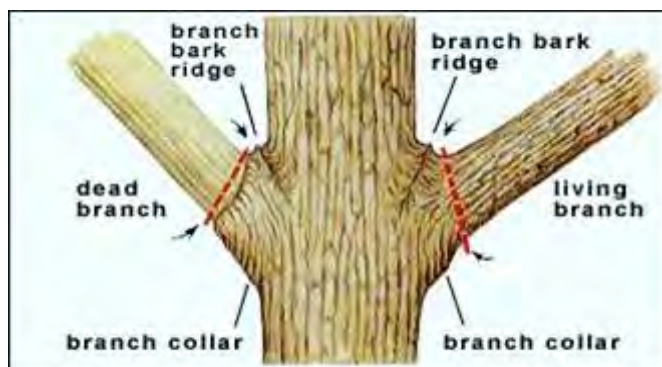
## DISCUSSION:

There are three Blue Oaks (*Quercus douglasii*) being evaluated. Oaks #1 and #2 are in fair condition. Oak #3 has extensive internal decay. Both the trunk and roots show decay. A mallet was used to strike the trunk, a drum or hollow sound was heard, indicating extensive internal decay. The tree is a single trunk tree that branches out at approximately fifteen to twenty feet above the ground. Decay in the area could cause the unions in the wood to be weak. Failure of the limbs could cause property damage and personal injury. People and property should be kept out of this area until the tree removed.

During construction be aware of tree roots and vegetation from neighboring lots. If you are going to disturb tree roots or any limbs, branches from a neighboring lot notify owners before work has begun.

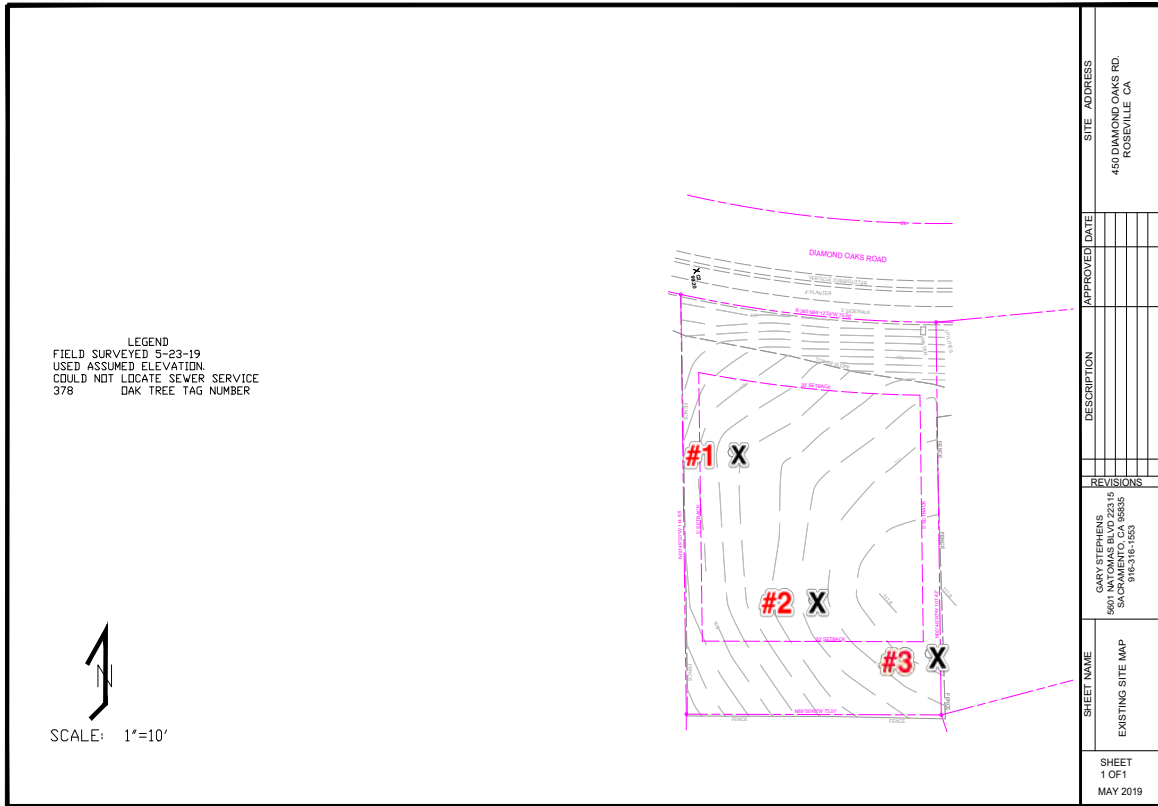
Changing the grade by removing soil can expose roots. If roots are encountered, cutting roots measuring larger than an inch in diameter should be avoided. Severed roots should be cut so there are no ragged edges or tears. Usually pruning shears or handsaws can accomplish this. If excavations are made and trenches are left open with tree roots exposed, wet burlap tarps should cover the exposed roots until the soil is replaced. Larger roots can be dug up and redirected. Covering the roots will help prevent further root damage. The root system is the support system for the tree and removing or damaging large roots can create stability problems for the tree that may become a hazard to public safety and property.

Trimming limbs that will be interfering with the project should be kept to a minimum. Flush cutting and removing the branch collar will prevent healing and cavities can form. When removing limbs, leave a small stub, part of the limb being removed and retain the branch collar. (See diagram below)



# Exhibit A

Site Map:



# Exhibit A

PHOTOS:





# Exhibit A



# Exhibit A



# Exhibit A

## HAZARD EVALUATION FORM:

Tree Number	Common Name	Botanical Name	West 121	North 38	DBH	Dripline	Number of Trunks	Defects Trunk	Defects Scaffolds	Defects Branches	Rating	Comments
1	Blue Oak	Quercus douglasii			29	29	1	Squirrel excavations	Dead		Fair	
2	Blue Oak	Quercus douglasii			29	25	1	Squirrel excavations	Dead	Dead	Fair	
3	Blue Oak	Quercus douglasii			32	25	1	Extensive internal Decay			Poor	Hazardous

I, Kurt Stegen, Certify:

- That I have personally inspected the tree(s) and/or the property referred to in this report and have stated my findings accurately. The extent of the evaluation or appraisal is stated in the attached report and the Terms of Assignment;
- That I have no current or prospective interest in the vegetation or the property that is the subject of this report and have no personal interest or bias with respect to the parties involved;
- That the analysis, options and conclusions stated herein are my own and are based on current scientific procedures and facts;
- That my analysis, opinions and conclusions were developed and this report has been prepared according to commonly accepted arboricultural practices;
- That no one provided significant professional assistance to me, except as indicated within the report;
- That my compensation is not contingent upon the reporting of a predetermined conclusion that favors the cause of the client or any other party nor upon the results of the assessment, the attainment of stipulated results, or the occurrence of any subsequent events.

I further certify that I am a state licensed Tree Trimming Contractor (State License Number 494115), a Certified Arborist (ISA# WE-6356), and a member to the International Society of Arboriculture and American Society of Consulting Arborists. I have been involved in the field of Arboriculture in a full time capacity for a period of more than thirty years.

Signed: **Kurt Stegen**

Date: September 11, 2019

### **Addendum Regarding 450 Diamond Oaks Place Tree #1**

Damaging the roots could destabilize the tree and it could fall. The root systems supports the tree. To preserve the tree I would suggest using pavers in the driveway under the drip line of the tree with minimal excavation. When the area is excavated caution should be taken not to damage the roots. Fence the area under the canopy to protect it from soil compaction. Equipment, supplies and people should be kept out of the area.

One other issue is summer limb drop. Trimming the tree will not correct the problem. During times of extreme heat, limbs can break off and fall. Limbs can also drop during times of inclement weather. One limb in the top of the tree has failed, so there is the possibility this can happen again in the future. There is some risk associated with the tree.