

Ed Gurka, Consulting Services
San Rafael, California
Mobile: 415.601.5337

ARBORIST FIELD REPORT

TO: Michiko Conklin
134 Madrone Avenue
San Anselmo, CA. 94960

WORK PERFORMED AT
134 Madrone Avenue
San Anselmo, CA. 94960

RECEIVED
DEC 23 2013
PLANNING BLDG. PUBLIC WORKS
TOWN OF SAN ANSELMO

DATE: December 16, 2013

WORK ORDER: Prepare a tree protection plan for a Valley Oak tree at 134 Madrone Avenue San Anselmo CA.

ASSIGNMENT:

This report is in response to a municipal committee decision to save a mature Valley Oak tree on the property of 134 Madrone Avenue, San Anselmo, California. The decision is to preserve the tree by Town of San Anselmo at a public hearing based on neighborhood objection to a removal and supported by an arborist report describing the necessity to preserve the tree as it relates to other trees on adjacent properties. This report attempts to provide a root protection plan that may reduce the impact on the tree from a proposed driveway construction within the root zone of the tree. I have seen the revised plans for 134 Madrone Avenue, San Anselmo, dated November 2013, revised December 6, 2013, and prepared the following report.

TREE PROTECTION PLAN:

- Species information:
Quercus lobata, a mature Valley Oak tree located in the front yard of 134 Madrone Avenue, San Anselmo, California. Diameter at breast height (DBH) is 61.8 inches. Height is 89.5 feet. Spread is estimated at 61 feet from trunk to the west, east, and south. Location is 36 feet from Madrone Avenue and 5 feet from the walkway entrance to the residence. The root protection zone is estimated based on the trunk DBH of 61.8 inches and allowing one foot of distal space in all directions from the trunk for every inch therefore equaling 61 feet of distance. The most critical root zone is 10 feet from the trunk and special care is necessary when working in this area of the critical root zone. The tree root protection includes the following considerations to protect the tree during the construction work.

- Pre-Construction

Tree protection fencing shall be installed at the perimeter of the excavation boundary to protect the trunk from damage. The fencing shall be chain link with support poles placed on stands that rest on the existing surface. The fencing shall be installed at the farthest distance from the trunk to buffer intrusion or disturbance in the immediate area of the trunk. The fencing shall be installed before any work begins and remain in place until the construction work is completed. The installed fence shall be approved for type and location by the project arborist.

- Staging Area

All materials used must be located in a storage area away from the Valley Oak tree root zone.

A specified designated area for any mechanical equipment used shall not be left within the tree root zone.

Construction spoils and washout area for materials used in construction shall not contaminate the trees root protection area or the neighboring environment

- **During Driveway Construction**

Preliminary projections do not suggest that the driveway construction will have a major impact on the Valley Oak tree's condition. Compaction and excavation is expected to be at the minimum requirements for the driveway project. The 6x6 peer post supports require an arborist on site to observe any root damage from the excavation for their placement. If large diameter roots are encountered post support placement may require relocation. Exploratory holes with smaller diameter drill bits or pressurized air digging spade equipment maybe required to locate any roots requiring trenching or excavation near the Oak tree.

Construction equipment shall not be parked within the root zone of the tree, and travel limited, to minimize unnecessary compaction and damage to tree roots.

No open flame storage of debris or construction material shall be placed within the root zone of the tree.

No posting of signage shall be attached directly to any part of the tree.

The project arborist shall be present or on call to observe any roots exposed or encountered during the excavation process.

All tree roots encountered and exposed shall be assessed by the project arborist to determine how to proceed. The amount, size, and location shall be considered before proceeding with a decision to resolve encountered roots. Roots greater than 1 inch shall not be removed. Roots smaller than 1 inch and the amount shall be limited and subject to the project arborist approval. Location of root cutting shall be at root junctions with clean pruning cuts using only sterilized pruning tools.

Roots exposed during excavation for a period of time shall be covered with burlap and mulch to be kept moist until covered with the final surface.

During construction work, long dry or hot periods of weather will require irrigation to prevent desiccation and dieback of roots and canopy foliage and branches.

Any accidental damage that occurs to the tree shall be assessed and mitigation procedures put in place to minimize the impact to the tree's health.

No additional fill shall be placed against the tree trunk or buttress roots at any time.

- **Post Construction**

Removal of protection fencing can be performed only after all work is completed.

Fertilization may be necessary and determined by soil analysis (soil tests).

Canopy foliage and branch dieback may require pruning operation to remove significant branches if necessary.

An annual monitoring schedule for maintenance is recommended to correct any detrimental conditions, and improve the health of the tree. A Certified Arborist or tree worker shall perform the annual assessment and the schedule adjusted as necessary.

Contact Information:

Ed Gurka, Independent Services

San Rafael, CA. 94901

Mobile: 415 601-5337

Email: Egurka1@aol.com

Affiliations and Licenses:

International Society of Arboriculture, (ISA) Certified Arborist # 418, 1984 to present.

<http://www.asca-consultants.org/>

American Society of Consulting Arborists, (ASCA) Member, 2000 to present.

<http://www.isa-arbor.com/>

<http://www.wcisa.net/>

California Department of Pesticide Regulation, Pest Control Advisor PCA 74846, 1989 to present.

<https://www.capca.com>

City of Sausalito, Municipal Arborist, 1989-2004

Independent Consulting Arborist Services, 2004-present