RECEIVED on 11/12/2024 CDVR24-01044
By Contra Costa County
Department of Conservation and Development

ARBORIST REPORT

Tree Inventory

Property Development Project

1518 Barth Ave, San Pablo, CA 94806

Contra Costa County APN: 419-192-015

November 8, 2024

Prepared for:
Bacilia Macias Architecture
Representing the property owner – Landeros

Prepared by:
Kevin Pineda
ISA Certified Arborist
pinedakevin1990@gmail.com
and
Donald Cox
ISA Certified Arborist
drtreelove@gmail.com

TABLE OF CONTENTS

Introduction

A **Tree Inventory** (also known as a "Tree Survey" or " Tree Resource Evaluation") is an inspection and reporting process for mapping and documenting the existing trees on a property.

The inventory includes all trees that are on the site (or only trees of a designated size and species, as specified in the arborist assignment) including trees to be removed, relocated, and retained on the property.

This report can be used as a reference for identification and location of trees, to aid in grounds maintenance, tree management planning, and records. Based on the inventory, further assessment and reporting can provide evaluation of tree health and structural conditions, risk assessment, pruning, removal and replacement needs, improvement of growing conditions, and plant health care (irrigation, fertilization, and pest management).

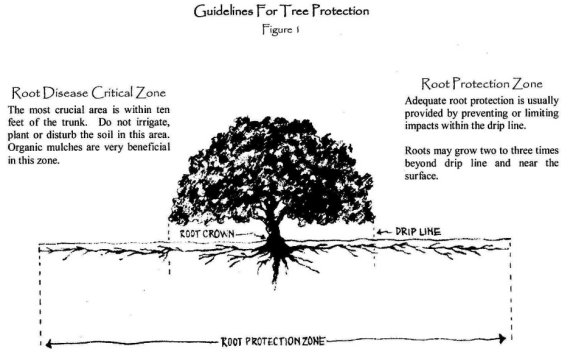
The tree survey may also be used to identify trees of designated size and species that are protected under the municipal code that is applicable for the site location; and if required by the governing agency, or requested by the property owner, can be used to establish appraised monetary value of each tree as it contributes to property value. Or in the case of an incident or claim, the appraisal can be used to establish loss of tree resources for the property owner and the community.

In the case of a future property improvement/development project, the tree inventory will be useful as a basis for identifying tree locations in relation to existing structures and planned improvements, to establish suitability for preservation, and for creating a tree protection plan.

A **Tree Protection Plan** (or “Tree Preservation Plan”) is a set of recommendations and requirements provided by a qualified tree care professional, intended to minimize injuries and harmful impact to trees designated for preservation on a development site and adjacent properties.

Construction activities can cause injury to trees during site preparation and construction phases, from equipment movement, clearing and grading, import and storage of materials, excavation for utilities installations and structural foundations, and other site activities.

Immediate damage or long-term negative impact can occur from mechanical injury to roots and root collar, tree trunks and scaffold limbs. Excavation, grade changes, soil compaction and pavement can affect tree health by altering drainage, soil moisture availability and aeration. Harmful effects on trees can be incurred from accumulation of soil or other materials in the root zone or against the base of the tree, from materials storage and chemical, paint or fuel spills. Tree roots and the foliar crown can be over-pruned, causing negative physiological stress and pre-disposition to pest and disease problems.



Graphics Source: California Oak Foundation

Arborist Assignment

Kevin Pineda and Don Cox, independent certified-arborist associates, have been contracted by the architect for a development project at 1518 Barth Ave in San Pablo California, to document trees on the site of a planned new residence. The arborist site visit and assessment took place November 1, 2024.

Plans, laws, and standards used for site and tree assessment

Topographic Survey and Record Boundary Map by Fullen Surveying & Mapping 7/25/2024

New Residence Architectural Plan Set by Bacilia Macias Architecture 9/18/2024

Contra Costa County Code, Chapter 816-6 – Tree Protection and Preservation

Best Management Practices: Managing Trees During Site Development and Construction (3rd Edition 2023) (A publication of the International Society of Arboriculture)

ANSI A-300 Part 5, Construction Management Standard (American National Standards Institute).

Regulated Trees in Contra Costa County

County Code Section 816-6.6004 - Protected trees. (edited to include only site-applicable paragraphs)

On all properties within the unincorporated area of the county - A protected tree is any one of the following:

> Any tree measuring twenty inches or larger in circumference (approximately six and one-half inches diameter), measured four and one-half feet from ground level...
>
> Any multi-stemmed tree with the sum of the circumferences measuring forty inches or larger, measured four and one-half feet from ground level.
>
> And any significant grouping of trees, including groves of four or more trees.

Summary Of Tree Inventory

Two existing coast live oak trees of “code-protected” size are located on this property. The trees have been inspected and assessed for consideration in the planning and sitework for the building project. Both oak trees are in a position on the property that conflicts with the building plans and project execution and would not allow for effective tree preservation measures. They are not significant and do not contribute substantially to the property and the community; a landscape plan with tree plantings can easily compensate for the loss. Two large shrubs, a toyon and a cotoneaster are also in conflict with the proposed building footprint.

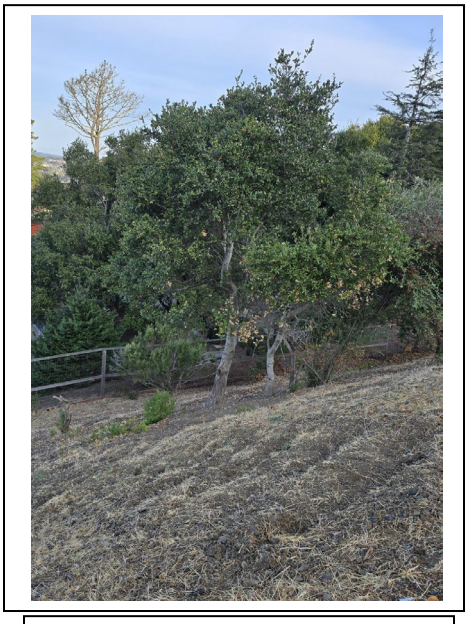
Suitability For Preservation

Suitability for preservation of each tree has been included in the evaluation. Some factors used in determining suitability are the health and structural condition of the tree, risk/hazard assessment, species tolerance to construction impacts, and location in relation to the planned development or improvements.

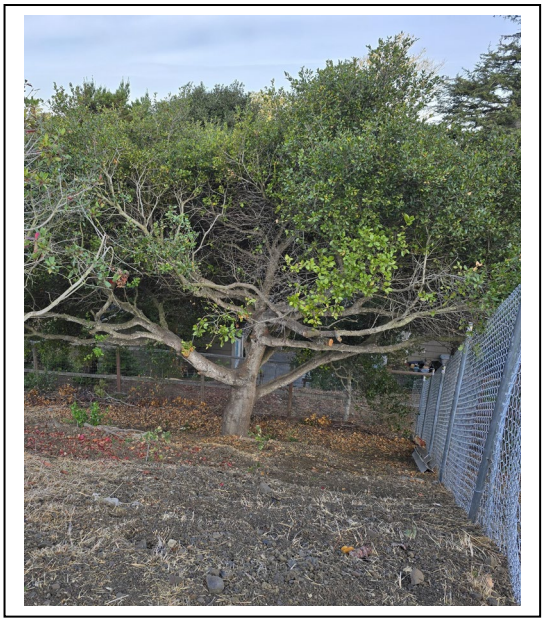
Tree Inventory

ITEM NO.	EXISTING TREE	STEM DIAM	HGT x SPRD	LOCATION	TREE CONDITION	SUITABILITY FOR PRESERVATION	NOTES
1	**Coast live oak** (*Quercus agrifolia)*	12"	15' x 30'	East side of mid- slope	Fair	Not suitable. Conflict with proposed building.	Remove to facilitate development
2	**Coast live oak** (*Quercus agrifolia)*	8"	15' x 12'	Middle of property	Fair	Not suitable. Conflict with proposed building.	Remove to facilitate development

TREE PHOTOS

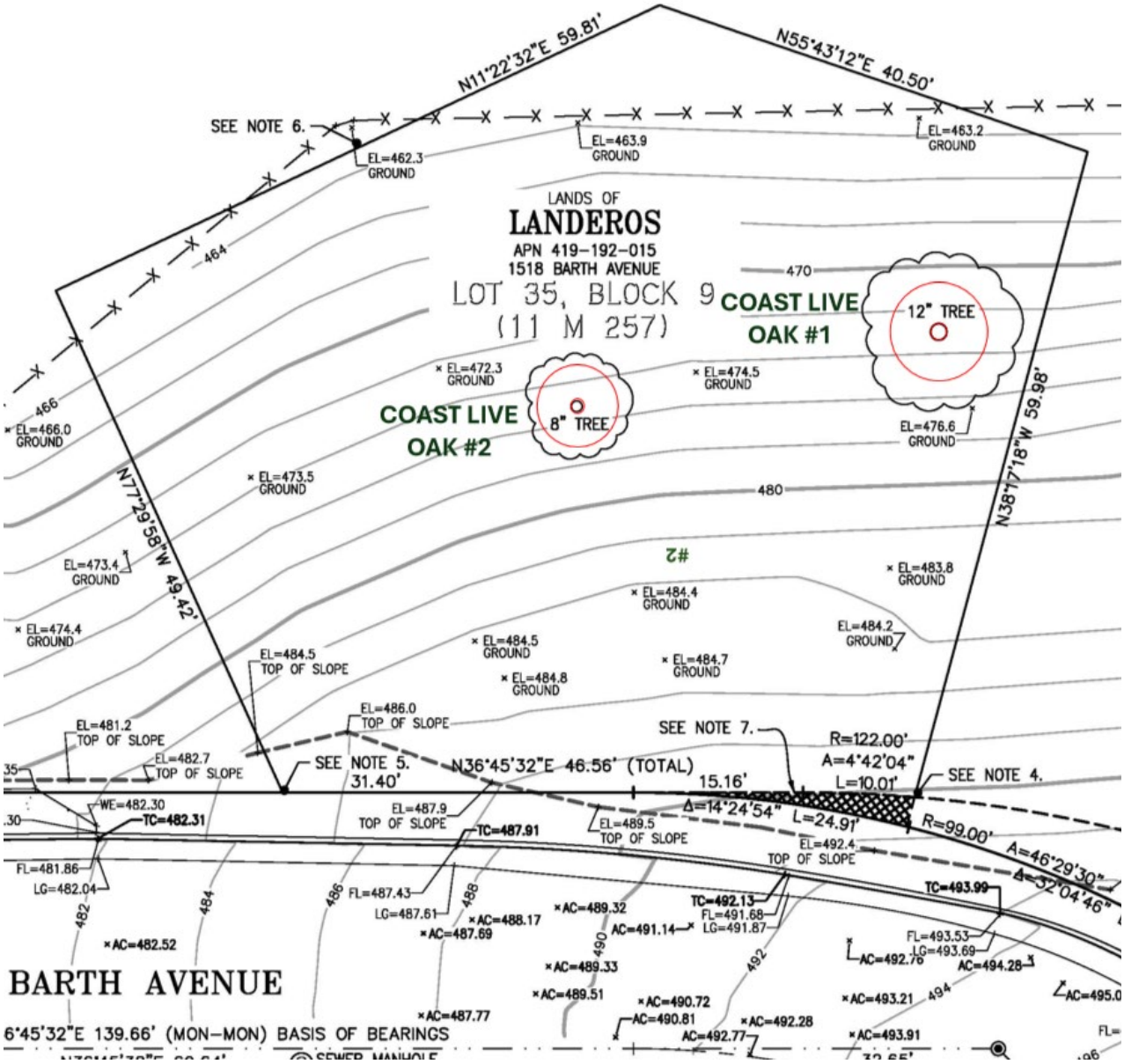


#2 - 8" dbh Coast live oak



 # 1- 12" dbh Coast live oak

Site Map with Tree Locations



Arborist Disclosure Statement:

Arborists are tree specialists who use their education, knowledge, training, and experience to examine trees, recommend measures to enhance the beauty and health of trees, and attempt to reduce the risk of living near trees. Clients may choose to accept or disregard the recommendations of the arborist, or to seek additional advice.

Arborists cannot detect every condition that could possibly lead to the structural failure of a tree. Trees are living organisms that fail in ways that we sometimes do not fully understand. Conditions are often hidden within trees and below ground. Arborists cannot guarantee that a tree will be healthy or safe under all circumstances, or for a specified period of time. Likewise, remedial treatments cannot be guaranteed.

Treatment, pruning, and removal of trees may involve considerations beyond the scope of the arborist's services such as property boundaries, property ownership, site lines, disputes between neighbors, and other issues. Arborists cannot take such considerations into account unless complete and accurate information is disclosed to the arborist. An arborist should then be expected to reasonably rely upon the completeness and accuracy of the information provided.

Trees can be managed, but they cannot be controlled. To live near trees is to accept some degree of risk. The only way to eliminate all risk associated with trees is to eliminate the trees.

Certification
We hereby certify that all the statements of fact in this report are true, complete, and correct to the best of our knowledge and belief and are made in good faith.

Kevin Pineda
ISA Certified Arborist WE-12118A

Donald W. Cox,
ISA Certified Arborist WE-3023A