

APPENDIX A-3
TREE SURVEY REPORT

Tree Survey Report

Roseland Creek Community Park
SANTA ROSA, SONOMA COUNTY, CALIFORNIA

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1.0 INTRODUCTION

On July 3, and July 12, 2018, WRA, Inc. (WRA) conducted an arborist survey at the site of the proposed Roseland Creek Community Park (Study Area), located southeast of the intersection of Hughes Avenue and Burbank Avenue (APN #'s: 125-331-001, 125-252-002, 125-252-003, and 125-252-004) in the southwest quadrant of the City of Santa Rosa, Sonoma County, California. The survey was conducted by ISA-Certified Arborists, Scott Yarger (ISA #WE-9300A) and Gavin Albertoli (ISA #WE-12027A), for the purpose of identifying and documenting the presence of “heritage trees” as defined by Chapter 17-24, “Trees” of the Santa Rosa City Code (Tree Ordinance) within and directly adjacent to proposed project improvements within the Study Area.

GPS locations for all the protected trees surveyed within the Study Area and information regarding the species, size in diameter at breast height (DBH; as measured 4.5 feet above grade), estimated crown radius, estimated height, and health, condition, and structure ratings were collected and are included in this report. A table with all the relevant information pertaining to surveyed trees is provided in Appendix A. A tree survey location map is provided in Appendix B. Representative photographs are provided in Appendix C.

1.1 Study Area Description

The site of the proposed Roseland Creek Community Park is approximately 19.49 acres, and is composed of four separate parcels across from Roseland Creek Elementary School, on Burbank Avenue in the southwest quadrant of the City of Santa Rosa. Three of the four parcels have been previously developed to some degree and contain occupied or abandoned structures, but the majority of the land remains undeveloped and is composed of open non-native annual grassland, riparian woodland abutting Roseland Creek, and valley oak (*Quercus lobata*) woodland. The two northernmost parcels are currently accessible and in use by the public, as evidenced by numerous social trails crossing the site. The Study Area is bisected by Roseland Creek, an intermittent United States Geological Survey (USGS) “blue-line” stream, which flows through the Study Area in a westerly direction. The Study Area is focused and delineated based on georeferenced AutoCAD data of proposed park improvements buffered by 15 feet on all sides.

The City has prepared a preliminary conceptual site plan for park improvements which include: a public gathering area, restrooms, shaded pavilion, nature center, sport courts, picnic areas, an open turf/multi-use field, parking lot, and a network of universally accessible trails which would potentially include two footbridges across Roseland Creek where existing, old footbridges currently cross the creek.

1.2 Regulatory Background

City of Santa Rosa Tree Ordinance

The City of Santa Rosa recognizes the aesthetic, environmental, and economic benefits mature trees provide to the citizens of the City. Chapter 17-24, “Trees” of the Santa Rosa City Code (Tree Ordinance) regulates the protection of certain trees on public and private properties within the City limits. The Tree Ordinance defines a “heritage tree” as:

- valley oak (*Quercus lobata*), blue oak (*Q. douglasii*), or buckeye (*Aesculus californica*) 19 inches circumference at breast height (measured at 4.5 feet above ground; or 6 inches diameter at breast height [DBH]) or greater;

- Pacific madrone (*Arbutus menziesii*) 38 inches circumference (12 inches DBH) or greater;
- coast live oak (*Quercus agrifolia*), black oak (*Q. kelloggii*), Oregon oak (*Q. garryana*), canyon live oak (*Q. chrysolepis*), interior live oak (*Q. wislizenii*), red alder (*Alnus rubra* [*A. oregona*]), or white alder (*A. rhombifolia*) 57 inches circumference (18 inches DBH) or greater; or
- Coast redwood (*Sequoia sempervirens*), California bay (*Umbellularia californica*), Douglas fir (*Pseudotsuga menziesii*), or big-leaf maple (*Acer macrophyllum*) 75 inches circumference (24 inches DBH) or greater.

A Tree Permit is generally required for the removal, alteration or relocation of any “heritage tree”, “protected tree” (i.e. any tree, including a heritage tree, designated to be preserved on an approved development plan or as a condition of approval of a tentative map, a tentative parcel map, or other development approval issued by the City), or “street tree” (i.e. any tree having a single trunk circumference greater than 6.25 inches or a diameter greater than 2 inches, a height of more than six feet, and one half or more of its trunk is within a public right of way or within 5 feet of the paved portion of a City street or a public sidewalk), except as exempted in Section 17-24.030 of the Tree Ordinance. Several non-native species including acacia, silver maple, ailanthus, hawthorn, fruitless mulberry, privet, Pyracantha, Monterey pine, Monterey cypress, and fruit and nut trees (except walnut) are exempt from the provisions of the ordinance. Trees, other than heritage trees, situated within City owned parks and other City owned or controlled places when altered, removed, or relocated by City employees or by contractors retained by the City are also exempt.

2.0 METHODS

On July 3, and July 12, 2018 the Study Area was traversed on foot to inventory all heritage trees as defined per the City of Santa Rosa Tree Ordinance. WRA's ISA-Certified Arborists surveyed the area and recorded relevant tree information for each surveyed tree including species, DBH, estimated crown radius, estimated height, and health, condition and structure ratings.

2.1 Tree Inventory

Locations of heritage trees within or directly adjacent and overhanging into the survey area were recorded using a handheld GPS unit with sub-meter accuracy. Each heritage tree was given an aluminum tree tag with unique identification number. However, in many cases, prolific poison oak (*Toxicodendron diversilobum*) vines on tree trunks prevented tagging trees. In this case, the tree was given a unique, sequential identification number but the tree was not tagged. Trees that were not tagged show “No tag” in the comment column of the tree survey table (Appendix A).

Diameter at Breast Height was calculated for surveyed trees by measuring the trunk diameter at 4.5 ft. above grade. DBH for multi-trunked trees was calculated by measuring each individual trunk and calculating the sum total of trunk diameters. In cases where multi-trunked trees had more than five main trunks, only the five largest trunks were measured. In cases where an irregular buttress or bulge occurred at two feet above ground or DBH, measurements were taken above or below the irregular feature in order to best represent the size of the tree. In cases where prolific poison oak prevented access to the trunk of the tree, DBH was estimated.

2.2 Tree Assessment

General notes on the condition of trees were taken, including health, structure, and overall condition. Assessment of the health, structure, and overall condition of each tree was conducted according to the narratives listed in Table 1.

Table 1. Rating Narratives for Tree Assessment

Health	
Good	Tree is free from symptoms of disease and stress.
Fair	Tree shows some symptoms of disease or stress including twig and small branch dieback, evidence of fungal / parasitic infection, thinning of crown, or poor leaf color.
Poor	Tree shows symptoms of severe decline.
Structure	
Good	Tree is free from major structural defects.
Fair	Tree shows some structural defects in branches but overall structure is stable.
Poor	Tree shows structural failure of a major branch or co-dominant trunk.
General Condition	
Good	Tree shows condition of foliage, bark, and overall structure characteristic of the species and lacking obvious defect, or disease.
Fair	Tree shows condition of foliage, bark, and overall structure characteristic of the species with some evidence of stress, defect, or disease.
Poor	Tree shows condition of foliage, bark, and overall structure uncharacteristic of the species with obvious evidence of stress, defect, or disease.

2.3 Tree Impact Assessment

Potential impacts to heritage trees were analyzed in GIS. The most recent proposed Project footprints (Design Workshop 2018) were overlaid on tree survey data to determine which trees will potentially be impacted by removal or potential root or branch pruning (Appendix B). Any tree directly in the pathway of proposed new trails or other park improvements was considered to be a potential removal impact. Trees within the 15 foot buffer from proposed park improvements were considered to be a potential root or branch pruning impact. Trees outside of the buffer areas which overhang the buffer area were also considered to be a potential root or branch pruning impact, although less likely. Potential tree impacts that may require a permit from the City of Santa Rosa include removal or encroachment into the dripline of any heritage tree. The results of the impacts analysis is provided below and shown in Appendix A.

3.0 RESULTS

3.1 Tree Inventory

A total of 355 trees, all of which are heritage trees, were identified within the Study Area. A complete list of all trees surveyed is presented in Appendix A. The GPS locations of surveyed trees are shown in Appendix B. Heritage trees present within the Study Area were predominantly valley oak (*Quercus lobata*), but also include coast live oak (*Quercus agrifolia*), California buckeye (*Aesculus californica*), and coast redwood (*Sequoia sempervirens*). The heritage trees range in size from 6 inches to 111 inches in diameter (measured at 4.5 feet above ground). The largest tree surveyed was a 111.0-inch multi-trunk valley oak (tree #28). The largest single-trunk tree surveyed was a 61.5-inch valley oak (tree #113). Approximate canopy radii averaged from 2 to 60 feet. Approximate height ranged from 10 to 68 feet.

3.2 Tree Assessment

The overall condition, health, and structure of trees inventoried during this assessment ranged from poor to good, with most trees ranking fair in health, structure, and general condition. A total of 220 of the trees surveyed within the Study Area ranked fair in general condition with most trees displaying little to no signs of maladies or decline in vigor. Seventy-four (74) percent of the trees ranked fair in health with the remaining 26 percent ranking good, further indicating the large quantity of visibly healthy trees surveyed within the Study Area. The majority of trees surveyed ranked fair in structure with 2 trees (tree #305 and tree #247) being ranked poor due to having a poor growth form with excessive lean. The species composition of trees surveyed was dominated by valley oak at 98 percent of total trees surveyed. Many of the valley oaks in the northern portion of the Study Area surveyed occurred within a crowded environment promoting vertical growth and inhibiting good lateral structure formation. Trees displaying signs of suppression were noted on the tree survey table (Appendix A). Table 2 below summarizes the assessment results for all heritage trees surveyed.

Table 2. Heritage Tree Assessment Results Summary

Criteria Assessed/Rating	Condition	Health	Structure
Good	134 (38%)	92 (26%)	59 (16%)
Fair	220 (62%)	263 (74%)	294 (83%)
Poor	1 (< 1%)	0 (0%)	2 (1%)

3.3 Tree Impact Assessment

The Project has been designed to avoid impacts to heritage trees through a variety of measures including siting trails and project improvements away from significant heritage trees, and use of elevated boardwalk structures to avoid compaction within adjacent tree root zones. However, a total of four heritage trees have been identified as unavoidably needing to be removed to accommodate the proposed project plans, i.e. they are directly in-line with trail alignments and/or paved surfaces. Heritage trees which will potentially be removed are all valley oak ranging in size from 9 inches to 18.1 inches DBH. In addition, a total of 18 heritage trees may require pruning as they are located directly adjacent to planned improvements including trail alignments or paved surfaces. Potential impacts to the canopy or root system could include damage to branches or trunk during construction, ripping or tearing roots during subgrade excavation, or smothering

roots due to soil compaction or grade fills. These types of injuries can lead to reduced tree vigor, increased susceptibility to pathogens or pests, or in severe cases eventual tree decline or death. Potential permit, mitigation, and tree protection requirements as required by the Tree Ordinance are provided below.

4.0 SUMMARY AND RECOMMENDATIONS

A tree removal permit will be required for any alteration, removal, or relocation of heritage trees. The City of Santa Rosa may require replacement plantings as a condition of approval in order to mitigate for the loss of functions provided by trees to be removed including shade, erosion control, groundwater replenishment, visual screening, and wildlife habitat. Replacement trees, if required, shall be planted in accordance with the following criteria from the Tree Ordinance:

- For each 6 inches or fraction thereof of the diameter of a tree which was approved for removal, two trees of the same genus and species as the removed tree (or another species, if approved by the City), each of a minimum 15-gallon container size, shall be planted on the project site, provided however, that an increased number of smaller size trees of the same genus and species may be planted if approved by the City, or a fewer number of such trees of a larger size if approved by the City.
- If the development site is inadequate in size to accommodate the replacement trees, the trees shall be planted on public property with the approval of the Director of the City's Recreation and Parks Department. Upon the request of the developer and the approval of the Director, the City may accept an in-lieu payment of \$100.00 per 15-gallon replacement tree on condition that all such payments shall be used for tree-related educational projects and/or planting programs of the City.

As described above, the Project will potentially remove four heritage trees. Under the Tree Ordinance, trees, other than heritage trees, situated within City owned parks and other City-owned or controlled places do not require a tree removal permit when altered, removed, or relocated by City employees or by contractors retained by the City. Since the Project proponent is the City of Santa Rosa, and the Project is located either on City-owned property, or areas where the City will obtain an easement, it is assumed that four heritage trees would require a tree removal permit.

Assuming only heritage trees will require a permit, the four heritage trees within the Study Area have a combined DBH of 58 inches which could potentially require 10 replacement trees following the criteria outlined above. Actual permit and mitigation requirements will be dependent on actual total of trees needing to be removed, and ultimately determined by the City.

In addition to the heritage trees anticipated to be removed, the Project will include trail construction within the root zones (defined by the Tree Ordinance as the outer extent of the tree dripline, plus 10 feet) of heritage trees to be preserved. Potential impacts to the canopy or root systems of trees selected for preservation could include damage to branches or trunk during construction, ripping or tearing roots during subgrade excavation, or smothering roots due to soil compaction or grade fills. These types of injuries can lead to reduced tree vigor, increased susceptibility to pathogens or pests, or in severe cases eventual tree decline or death. As described above, the

Project has been designed to avoid direct and indirect impacts to heritage trees. In order to avoid and minimize any further damage to existing trees the following measures are recommended during the Project construction where construction activities overlap with heritage tree root zones:

- A Tree Protection Zone (TPZ) equal to the dripline radius plus 10 feet shall be the standard TPZ for heritage trees selected for preservation in which ground disturbance shall be limited to the maximum extent feasible.
- Where possible, temporary protective fencing shall be installed around the TPZ of each tree designated for preservation prior to commencement of any construction activity conducted within 25' of the TPZ, of a tree designated for preservation.
- Many existing trees in the Project Area selected for preservation are situated too close to project improvements (e.g. trail alignments), where fencing around the TPZ is infeasible. In those cases, high visibility temporary fencing shall be wrapped around the tree trunk to signify the tree is to be saved and to alert machine operators to avoid damaging the tree. Extreme caution shall be taken to avoid mechanical injury to tree trunks, scaffold branches and root flares. As soon as required work is complete within the TPZ, temporary protective fencing shall be installed around the TPZ and shall remain in place as long as ground disturbance activities are taking place.
- The fence shall consist of highly visible material (e.g. orange safety fencing) to prevent inadvertent encroachment by heavy machinery. Heavy equipment use, excavation, fill, grading, trenching, drainage changes or other soil disturbance shall be limited within the TPZ. Material storage, vehicle parking, and trash disposal shall not occur within the TPZ.
- Grading and soil compacting shall be restricted within the TPZ to the maximum extent feasible. If any significant roots (2 inch diameter or greater) are uncovered within the TPZ they shall be kept moist at all times with use of damp burlap fabric, and buried as soon as feasible.
- Grading and/or trail construction within the TPZ of heritage trees shall be monitored periodically by a Certified Arborist. All necessary tree work should be performed by an ISA-Certified Arborist or comparable tree specialist. Improper pruning can be harmful to health and structure of trees. No tree pruning will be permitted unless approved by a Certified Arborist. Any pruning of existing trees shall be performed by a licensed tree care professional and shall comply with the ANSI A300 standards and International Society of Arboriculture (ISA) Best Management Practices for Tree Pruning. All tree pruning tools must be cleaned prior to and after use. All branches being removed shall be cut to, but not beyond, the branch collar. All pruning shall be done in a way that maintains the balance and structure of the tree.
- Site drainage should be designed to create positive drainage away from the trunk of preserved trees, and to prevent ponding within the TPZ. Supplemental irrigation of 1 to 2 inches monthly, may be necessary within the TPZ of preserved trees during construction within the dry season.

The following relevant tree protection measures during construction may be required as a condition of approval, as excerpted from Section 17-24.050 of the Tree Ordinance:

- (1) Before the start of any clearing, excavation, construction or other work on the site, every protected tree shall be securely fenced off at the "protected perimeter," which shall be either the root zone or other limit as may be established by the City. Such fences shall

remain continuously in place for the duration of all work undertaken in connection with the development. The area so fenced off shall not be used as a storage area or altered or disturbed except as may be permitted under this subsection.

- (2) If the proposed development, including any site work for the development, will encroach upon the protected perimeter of a protected tree, special measures shall be utilized, as approved by the Director or the Planning Commission, to allow the roots to obtain oxygen, water, and nutrients as needed. Any excavation, cutting, filling, or compaction of the existing ground surface within the protected perimeter, if authorized at all by the Director, shall be minimized and subject to such conditions as may be imposed by the Director. No significant change in existing ground level shall be made within the drip line of a protected tree. No burning or use of equipment with an open flame shall occur near or within the protected perimeter. All brush, earth and other debris shall be removed in a manner which prevents injury to the protected tree.
- (3) No oil, gas, chemicals or other substances that may be harmful to trees shall be stored or dumped within the protected perimeter of any protected tree, or at any other location on the site from which such substances might enter the perimeter of a protected tree. No construction materials shall be stored within the protected perimeter of a protected tree.
- (4) Underground trenching for utilities shall avoid major support and absorbing tree roots of protected trees. If avoidance is impractical, tunnels shall be made below the roots. Trenches shall be consolidated to service as many units as possible. Trenching within the drip line of protected trees shall be avoided to the greatest extent possible and shall only be done under the on-site directions of a Certified Arborist.
- (5) No concrete or asphalt paving shall be placed over the root zones of protected trees [selected for preservation]. No artificial irrigation shall occur within the root zone of oaks.
- (6) No compaction of the soil within the root zone of protected trees [selected for preservation] shall occur.

Additional measures may be required as a conditions of approval, as outlined in Section 17-24.050 of the Tree Ordinance.

5.0 REFERENCES

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APPENDIX A

TREE SURVEY TABLE

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Tag ID	Species	Common Name	Multi-stem	DBH 1	DBH 2	DBH 3	DBH 4	DBH 5	Total DBH (inches)	Ordinance Status	Potential Impact	Dripline (feet)	Height (feet)	Condition	Health	Structure	Comment
1	<i>Quercus agrifolia</i>	coast live oak	Yes	19.1	19.9	0.0	0.0	0.0	39.0	Heritage Tree	No Impact	30	45	Good	Good	Fair	Codominant trunk.
2	<i>Sequoia sempervirens</i>	redwood	No	26.0	0.0	0.0	0.0	0.0	26.0	Heritage Tree	No Impact	15	50	Good	Good	Good	
3	<i>Quercus lobata</i>	Valley oak	No	43.1	0.0	0.0	0.0	0.0	43.1	Heritage Tree	No Impact	50	60	Good	Fair	Good	Minor decay/dieback.
4	<i>Quercus lobata</i>	Valley oak	No	19.7	0.0	0.0	0.0	0.0	19.7	Heritage Tree	No Impact	30	45	Good	Good	Good	
5	<i>Quercus lobata</i>	Valley oak	No	22.0	0.0	0.0	0.0	0.0	22.0	Heritage Tree	No Impact	30	40	Good	Good	Good	
6	<i>Quercus lobata</i>	Valley oak	Yes	9.8	11.0	0.0	0.0	0.0	20.8	Heritage Tree	No Impact	30	40	Good	Good	Fair	Supressed.
7	<i>Quercus lobata</i>	Valley oak	No	14.3	0.0	0.0	0.0	0.0	14.3	Heritage Tree	No Impact	30	35	Fair	Good	Fair	Poor growth form; lean. Supressed.
8	<i>Quercus lobata</i>	Valley oak	No	20.0	0.0	0.0	0.0	0.0	20.0	Heritage Tree	No Impact	30	40	Good	Good	Fair	Supressed.
9	<i>Quercus lobata</i>	Valley oak	No	40.8	0.0	0.0	0.0	0.0	40.8	Heritage Tree	No Impact	40	50	Good	Good	Good	Dominant.
10	<i>Aesculus californica</i>	California buckeye	Yes	4.0	3.0	3.0	2.0	1.0	13.0	Heritage Tree	No Impact	10	20	Fair	Fair	Fair	
11	<i>Quercus lobata</i>	Valley oak	No	18.0	0.0	0.0	0.0	0.0	18.0	Heritage Tree	No Impact	30	50	Fair	Fair	Fair	Minor decay/dieback.
12	<i>Quercus lobata</i>	Valley oak	No	18.8	0.0	0.0	0.0	0.0	18.8	Heritage Tree	No Impact	30	45	Fair	Fair	Fair	Minor decay/dieback.
13	<i>Quercus lobata</i>	Valley oak	No	10.1	0.0	0.0	0.0	0.0	10.1	Heritage Tree	No Impact	8	30	Fair	Fair	Fair	Minor decay/dieback.
14	<i>Quercus lobata</i>	Valley oak	No	8.2	0.0	0.0	0.0	0.0	8.2	Heritage Tree	No Impact	12	20	Good	Good	Good	
15	<i>Quercus lobata</i>	Valley oak	No	10.0	0.0	0.0	0.0	0.0	10.0	Heritage Tree	No Impact	10	35	Good	Good	Good	
16	<i>Quercus lobata</i>	Valley oak	No	16.8	0.0	0.0	0.0	0.0	16.8	Heritage Tree	No Impact	25	45	Good	Good	Good	
17	<i>Quercus lobata</i>	Valley oak	No	10.2	0.0	0.0	0.0	0.0	10.2	Heritage Tree	No Impact	15	35	Good	Good	Good	
18	<i>Quercus lobata</i>	Valley oak	No	15.6	0.0	0.0	0.0	0.0	15.6	Heritage Tree	No Impact	20	35	Good	Good	Good	
19	<i>Quercus lobata</i>	Valley oak	No	10.2	0.0	0.0	0.0	0.0	10.2	Heritage Tree	No Impact	15	25	Fair	Fair	Fair	Supressed.
20	<i>Quercus lobata</i>	Valley oak	No	8.5	0.0	0.0	0.0	0.0	8.5	Heritage Tree	No Impact	15	25	Fair	Fair	Fair	Supressed.
21	<i>Quercus lobata</i>	Valley oak	No	7.1	0.0	0.0	0.0	0.0	7.1	Heritage Tree	No Impact	12	25	Fair	Fair	Fair	Supressed.
22	<i>Quercus lobata</i>	Valley oak	No	11.0	0.0	0.0	0.0	0.0	11.0	Heritage Tree	No Impact	14	40	Good	Good	Good	No tag. Estimated DBH. Covered in poison oak.
23	<i>Quercus lobata</i>	Valley oak	No	6.1	0.0	0.0	0.0	0.0	6.1	Heritage Tree	No Impact	2	10	Good	Good	Good	
24	<i>Quercus lobata</i>	Valley oak	No	7.0	0.0	0.0	0.0	0.0	7.0	Heritage Tree	No Impact	8	20	Fair	Fair	Fair	Supressed. Minor decay/dieback.
25	<i>Quercus lobata</i>	Valley oak	No	12.5	0.0	0.0	0.0	0.0	12.5	Heritage Tree	No Impact	25	40	Good	Good	Fair	
26	<i>Quercus lobata</i>	Valley oak	No	35.6	0.0	0.0	0.0	0.0	35.6	Heritage Tree	No Impact	40	50	Good	Good	Good	Dominant.
27	<i>Quercus lobata</i>	Valley oak	No	13.0	0.0	0.0	0.0	0.0	13.0	Heritage Tree	No Impact	8	25	Fair	Fair	Fair	No tag. Estimated DBH. Covered in poison oak.
28	<i>Quercus lobata</i>	Valley oak	Yes	26.0	30.0	55.0	0.0	0.0	111.0	Heritage Tree	No Impact	60	65	Good	Good	Good	
29	<i>Quercus lobata</i>	Valley oak	No	10.1	0.0	0.0	0.0	0.0	10.1	Heritage Tree	No Impact	15	30	Good	Good	Fair	Supressed.
30	<i>Quercus lobata</i>	Valley oak	No	22.0	0.0	0.0	0.0	0.0	22.0	Heritage Tree	No Impact	25	60	Good	Good	Good	
31	<i>Quercus lobata</i>	Valley oak	No	15.1	0.0	0.0	0.0	0.0	15.1	Heritage Tree	No Impact	20	30	Good	Good	Good	
32	<i>Quercus lobata</i>	Valley oak	No	12.6	0.0	0.0	0.0	0.0	12.6	Heritage Tree	No Impact	18	25	Fair	Good	Fair	Supressed.
33	<i>Quercus lobata</i>	Valley oak	No	13.2	0.0	0.0	0.0	0.0	13.2	Heritage Tree	No Impact	22	35	Good	Good	Good	
34	<i>Quercus lobata</i>	Valley oak	No	21.4	0.0	0.0	0.0	0.0	21.4	Heritage Tree	No Impact	25	40	Good	Good	Good	
35	<i>Quercus lobata</i>	Valley oak	No	22.0	0.0	0.0	0.0	0.0	22.0	Heritage Tree	No Impact	25	40	Good	Good	Good	
36	<i>Quercus lobata</i>	Valley oak	No	13.5	0.0	0.0	0.0	0.0	13.5	Heritage Tree	No Impact	15	30	Fair	Fair	Fair	
37	<i>Quercus lobata</i>	Valley oak	Yes	2.5	2.0	2.0	1.5	0.0	8.0	Heritage Tree	No Impact	6	12	Good	Good	Fair	
38	<i>Quercus lobata</i>	Valley oak	Yes	3.5	2.4	2.0	2.0	2.0	11.9	Heritage Tree	No Impact	8	12	Fair	Good	Fair	
39	<i>Quercus lobata</i>	Valley oak	No	26.5	0.0	0.0	0.0	0.0	26.5	Heritage Tree	No Impact	28	40	Good	Good	Good	
40	<i>Quercus lobata</i>	Valley oak	No	11.0	0.0	0.0	0.0	0.0	11.0	Heritage Tree	No Impact	18	25	Good	Good	Good	
41	<i>Quercus lobata</i>	Valley oak	No	18.1	0.0	0.0	0.0	0.0	18.1	Heritage Tree	Removal	25	25	Fair	Good	Fair	Supressed.
42	<i>Quercus lobata</i>	Valley oak	No	14.0	0.0	0.0	0.0	0.0	14.0	Heritage Tree	Root Zone	25	20	Fair	Fair	Fair	Poor growth form; lean. Supressed.
43	<i>Quercus lobata</i>	Valley oak	No	12.5	0.0	0.0	0.0	0.0	12.5	Heritage Tree	Removal	16	20	Fair	Fair	Fair	
44	<i>Quercus lobata</i>	Valley oak	No	30.0	0.0	0.0	0.0	0.0	30.0	Heritage Tree	No Impact	40	60	Good	Good	Good	Dominant.
45	<i>Quercus lobata</i>	Valley oak	Yes	30.0	15.0	0.0	0.0	0.0	45.0	Heritage Tree	No Impact	30	30	Good	Fair	Fair	
46	<i>Quercus lobata</i>	Valley oak	Yes	18.0	18.0	0.0	0.0	0.0	36.0	Heritage Tree	No Impact	30	35	Fair	Good	Fair	Poor growth form; lean. Supressed.
47	<i>Quercus lobata</i>	Valley oak	No	39.0	0.0	0.0	0.0	0.0	39.0	Heritage Tree	No Impact	38	60	Good	Good	Good	Dominant.
48	<i>Quercus lobata</i>	Valley oak	No	13.0	0.0	0.0	0.0	0.0	13.0	Heritage Tree	No Impact	14	18	Fair	Good	Fair	Poor growth form; lean. Supressed.
49	<i>Quercus lobata</i>	Valley oak	No	38.0	0.0	0.0	0.0	0.0	38.0	Heritage Tree	No Impact	35	55	Good	Good	Good	Dominant.
50	<i>Quercus lobata</i>	Valley oak	No	6.5	0.0	0.0	0.0	0.0	6.5	Heritage Tree	No Impact	9	20	Good	Good	Good	No tag. Estimated DBH. Covered in poison oak.

Tag ID	Species	Common Name	Multi-stem	DBH 1	DBH 2	DBH 3	DBH 4	DBH 5	Total DBH (inches)	Ordinance Status	Potential Impact	Dripline (feet)	Height (feet)	Condition	Health	Structure	Comment
51	<i>Quercus lobata</i>	Valley oak	Yes	11.5	11.0	0.0	0.0	0.0	22.5	Heritage Tree	No Impact	25	35	Good	Good	Good	
52	<i>Quercus lobata</i>	Valley oak	No	6.1	0.0	0.0	0.0	0.0	6.1	Heritage Tree	No Impact	5	20	Fair	Fair	Fair	
53	<i>Quercus lobata</i>	Valley oak	No	7.0	0.0	0.0	0.0	0.0	7.0	Heritage Tree	No Impact	5	25	Fair	Fair	Fair	
54	<i>Quercus lobata</i>	Valley oak	No	7.0	0.0	0.0	0.0	0.0	7.0	Heritage Tree	No Impact	5	20	Fair	Fair	Fair	
55	<i>Quercus lobata</i>	Valley oak	Yes	3.5	3.5	0.0	0.0	0.0	7.0	Heritage Tree	No Impact	4	20	Fair	Fair	Fair	
56	<i>Quercus lobata</i>	Valley oak	Yes	5.5	3.5	0.0	0.0	0.0	9.0	Heritage Tree	No Impact	8	20	Fair	Fair	Fair	
57	<i>Quercus lobata</i>	Valley oak	No	7.5	0.0	0.0	0.0	0.0	7.5	Heritage Tree	Root Zone	15	45	Good	Good	Good	No tag. Estimated DBH. Covered in poison oak.
58	<i>Quercus lobata</i>	Valley oak	No	6.0	0.0	0.0	0.0	0.0	6.0	Heritage Tree	No Impact	8	25	Fair	Fair	Fair	
59	<i>Quercus lobata</i>	Valley oak	Yes	6.5	5.5	0.0	0.0	0.0	12.0	Heritage Tree	No Impact	10	25	Fair	Fair	Fair	
60	<i>Quercus lobata</i>	Valley oak	No	6.5	0.0	0.0	0.0	0.0	6.5	Heritage Tree	No Impact	8	25	Fair	Fair	Fair	
61	<i>Quercus lobata</i>	Valley oak	No	10.0	0.0	0.0	0.0	0.0	10.0	Heritage Tree	No Impact	18	18	Fair	Fair	Fair	No tag. Estimated DBH. Covered in poison oak.
62	<i>Quercus lobata</i>	Valley oak	No	8.0	0.0	0.0	0.0	0.0	8.0	Heritage Tree	No Impact	18	30	Good	Good	Good	
63	<i>Quercus lobata</i>	Valley oak	No	6.0	0.0	0.0	0.0	0.0	6.0	Heritage Tree	No Impact	6	35	Fair	Fair	Fair	
64	<i>Quercus lobata</i>	Valley oak	No	6.0	0.0	0.0	0.0	0.0	6.0	Heritage Tree	Root Zone	10	35	Fair	Fair	Fair	No tag. Estimated DBH. Covered in poison oak.
65	<i>Quercus lobata</i>	Valley oak	No	6.0	0.0	0.0	0.0	0.0	6.0	Heritage Tree	No Impact	10	30	Fair	Fair	Fair	No tag. Estimated DBH. Covered in poison oak.
66	<i>Quercus lobata</i>	Valley oak	No	8.0	0.0	0.0	0.0	0.0	8.0	Heritage Tree	No Impact	18	35	Good	Good	Good	No tag. Estimated DBH. Covered in poison oak.
67	<i>Quercus lobata</i>	Valley oak	No	6.2	0.0	0.0	0.0	0.0	6.2	Heritage Tree	No Impact	10	25	Fair	Fair	Fair	
68	<i>Quercus lobata</i>	Valley oak	No	7.0	0.0	0.0	0.0	0.0	7.0	Heritage Tree	No Impact	10	18	Fair	Fair	Fair	
69	<i>Quercus lobata</i>	Valley oak	Yes	6.0	4.0	4.0	0.0	0.0	14.0	Heritage Tree	No Impact	20	30	Fair	Fair	Fair	
70	<i>Quercus lobata</i>	Valley oak	Yes	10.0	5.5	0.0	0.0	0.0	15.5	Heritage Tree	No Impact	16	25	Fair	Good	Fair	
71	<i>Quercus lobata</i>	Valley oak	No	6.5	0.0	0.0	0.0	0.0	6.5	Heritage Tree	No Impact	10	35	Fair	Fair	Fair	
72	<i>Quercus lobata</i>	Valley oak	No	6.0	0.0	0.0	0.0	0.0	6.0	Heritage Tree	No Impact	8	15	Fair	Fair	Fair	No tag. Estimated DBH. Covered in poison oak.
73	<i>Quercus lobata</i>	Valley oak	No	6.0	0.0	0.0	0.0	0.0	6.0	Heritage Tree	No Impact	8	25	Fair	Fair	Fair	No tag. Estimated DBH. Covered in poison oak.
74	<i>Quercus lobata</i>	Valley oak	No	6.0	0.0	0.0	0.0	0.0	6.0	Heritage Tree	No Impact	8	25	Fair	Fair	Fair	
75	<i>Quercus lobata</i>	Valley oak	Yes	4.0	2.0	0.0	0.0	0.0	6.0	Heritage Tree	No Impact	5	12	Fair	Fair	Fair	No tag. Estimated DBH. Covered in poison oak.
76	<i>Quercus lobata</i>	Valley oak	No	7.0	0.0	0.0	0.0	0.0	7.0	Heritage Tree	No Impact	10	30	Fair	Fair	Fair	
77	<i>Quercus lobata</i>	Valley oak	No	6.3	0.0	0.0	0.0	0.0	6.3	Heritage Tree	No Impact	10	25	Fair	Fair	Fair	
78	<i>Quercus lobata</i>	Valley oak	No	6.0	0.0	0.0	0.0	0.0	6.0	Heritage Tree	No Impact	8	20	Fair	Fair	Fair	No tag. Estimated DBH. Covered in poison oak.
79	<i>Quercus lobata</i>	Valley oak	No	14.0	0.0	0.0	0.0	0.0	14.0	Heritage Tree	No Impact	18	35	Good	Good	Good	
80	<i>Quercus lobata</i>	Valley oak	No	6.0	0.0	0.0	0.0	0.0	6.0	Heritage Tree	No Impact	10	30	Fair	Fair	Fair	No tag. Estimated DBH. Covered in poison oak.
81	<i>Quercus lobata</i>	Valley oak	No	6.0	0.0	0.0	0.0	0.0	6.0	Heritage Tree	No Impact	25	25	Fair	Good	Fair	No tag. Estimated DBH. Covered in poison oak.
82	<i>Quercus lobata</i>	Valley oak	No	10.0	0.0	0.0	0.0	0.0	10.0	Heritage Tree	No Impact	16	28	Fair	Fair	Fair	Supressed.
83	<i>Quercus lobata</i>	Valley oak	Yes	13.0	5.6	0.0	0.0	0.0	18.6	Heritage Tree	Root Zone	25	25	Fair	Fair	Fair	No tag. Estimated DBH. Covered in poison oak.
84	<i>Quercus lobata</i>	Valley oak	No	9.0	0.0	0.0	0.0	0.0	9.0	Heritage Tree	No Impact	14	25	Good	Good	Good	
85	<i>Quercus lobata</i>	Valley oak	Yes	5.1	3.6	0.0	0.0	0.0	8.7	Heritage Tree	No Impact	6	25	Good	Good	Fair	
86	<i>Quercus lobata</i>	Valley oak	Yes	5.5	5.5	0.0	0.0	0.0	11.0	Heritage Tree	No Impact	8	30	Fair	Fair	Fair	
87	<i>Quercus lobata</i>	Valley oak	Yes	14.2	12.0	0.0	0.0	0.0	26.2	Heritage Tree	No Impact	25	30	Good	Good	Good	
88	<i>Quercus lobata</i>	Valley oak	No	11.1	0.0	0.0	0.0	0.0	11.1	Heritage Tree	No Impact	15	35	Fair	Fair	Fair	
89	<i>Quercus lobata</i>	Valley oak	Yes	11.1	7.5	6.0	0.0	0.0	24.6	Heritage Tree	No Impact	20	30	Fair	Fair	Fair	Minor decay/dieback.
90	<i>Quercus lobata</i>	Valley oak	No	6.1	0.0	0.0	0.0	0.0	6.1	Heritage Tree	No Impact	10	25	Fair	Fair	Fair	
91	<i>Quercus lobata</i>	Valley oak	No	14.0	0.0	0.0	0.0	0.0	14.0	Heritage Tree	No Impact	25	25	Fair	Fair	Fair	Minor decay/dieback. Epicormic sprouts.
92	<i>Quercus lobata</i>	Valley oak	No	7.8	0.0	0.0	0.0	0.0	7.8	Heritage Tree	No Impact	8	40	Fair	Fair	Fair	Supressed.
93	<i>Quercus lobata</i>	Valley oak	Yes	11.0	9.0	8.5	0.0	0.0	28.5	Heritage Tree	No Impact	20	35	Good	Good	Good	
94	<i>Quercus lobata</i>	Valley oak	No	6.0	0.0	0.0	0.0	0.0	6.0	Heritage Tree	No Impact	8	25	Fair	Fair	Fair	
95	<i>Quercus lobata</i>	Valley oak	Yes	4.0	2.0	0.0	0.0	0.0	6.0	Heritage Tree	No Impact	5	20	Fair	Fair	Fair	
96	<i>Quercus lobata</i>	Valley oak	No	6.0	0.0	0.0	0.0	0.0	6.0	Heritage Tree	No Impact	8	25	Fair	Fair	Fair	
97	<i>Quercus lobata</i>	Valley oak	No	7.5	0.0	0.0	0.0	0.0	7.5	Heritage Tree	Root Zone	8	30	Fair	Fair	Fair	
98	<i>Quercus lobata</i>	Valley oak	No	7.1	0.0	0.0	0.0	0.0	7.1	Heritage Tree	No Impact	8	30	Fair	Fair	Fair	
99	<i>Quercus lobata</i>	Valley oak	No	6.1	0.0	0.0	0.0	0.0	6.1	Heritage Tree	No Impact	8	25	Fair	Fair	Fair	
100	<i>Quercus lobata</i>	Valley oak	No	7.1	0.0	0.0	0.0	0.0	7.1	Heritage Tree	No Impact	15	25	Fair	Fair	Fair	

Tag ID	Species	Common Name	Multi-stem	DBH 1	DBH 2	DBH 3	DBH 4	DBH 5	Total DBH (inches)	Ordinance Status	Potential Impact	Dripline (feet)	Height (feet)	Condition	Health	Structure	Comment
101	<i>Aesculus californica</i>	California buckeye	Yes	4.0	3.0	4.0	4.0	0.0	15.0	Heritage Tree	No Impact	18	18	Fair	Fair	Fair	
102	<i>Quercus lobata</i>	Valley oak	No	8.5	0.0	0.0	0.0	0.0	8.5	Heritage Tree	No Impact	18	26	Good	Fair	Fair	Supressed.
103	<i>Quercus lobata</i>	Valley oak	No	26.3	0.0	0.0	0.0	0.0	26.3	Heritage Tree	No Impact	28	40	Good	Good	Good	
104	<i>Quercus lobata</i>	Valley oak	No	10.1	0.0	0.0	0.0	0.0	10.1	Heritage Tree	No Impact	24	35	Good	Good	Good	Supressed.
105	<i>Quercus lobata</i>	Valley oak	No	7.0	0.0	0.0	0.0	0.0	7.0	Heritage Tree	No Impact	20	25	Good	Fair	Fair	Supressed.
106	<i>Quercus lobata</i>	Valley oak	No	8.5	0.0	0.0	0.0	0.0	8.5	Heritage Tree	Root Zone	25	28	Good	Fair	Fair	Supressed.
107	<i>Quercus lobata</i>	Valley oak	No	16.5	0.0	0.0	0.0	0.0	16.5	Heritage Tree	No Impact	35	55	Good	Good	Fair	
108	<i>Quercus lobata</i>	Valley oak	Yes	7.4	9.0	0.0	0.0	0.0	16.4	Heritage Tree	No Impact	25	38	Good	Good	Good	
109	<i>Quercus lobata</i>	Valley oak	No	10.0	0.0	0.0	0.0	0.0	10.0	Heritage Tree	No Impact	18	32	Good	Fair	Good	
110	<i>Quercus lobata</i>	Valley oak	No	7.5	0.0	0.0	0.0	0.0	7.5	Heritage Tree	No Impact	20	25	Good	Fair	Fair	Supressed.
111	<i>Quercus lobata</i>	Valley oak	No	6.3	0.0	0.0	0.0	0.0	6.3	Heritage Tree	No Impact	18	27	Good	Fair	Good	Supressed.
112	<i>Quercus lobata</i>	Valley oak	No	18.0	0.0	0.0	0.0	0.0	18.0	Heritage Tree	No Impact	35	58	Good	Fair	Fair	
113	<i>Quercus lobata</i>	Valley oak	No	61.5	0.0	0.0	0.0	0.0	61.5	Heritage Tree	No Impact	50	65	Good	Good	Fair	
114	<i>Quercus lobata</i>	Valley oak	No	13.0	0.0	0.0	0.0	0.0	13.0	Heritage Tree	No Impact	20	28	Good	Fair	Fair	No tag. Estimated DBH. Covered in poison oak.
115	<i>Quercus lobata</i>	Valley oak	No	15.0	0.0	0.0	0.0	0.0	15.0	Heritage Tree	No Impact	20	33	Good	Fair	Fair	No tag. Estimated DBH. Covered in poison oak.
116	<i>Quercus lobata</i>	Valley oak	No	8.0	0.0	0.0	0.0	0.0	8.0	Heritage Tree	No Impact	30	45	Good	Fair	Fair	No tag. Estimated DBH. Covered in poison oak.
117	<i>Quercus lobata</i>	Valley oak	No	14.0	0.0	0.0	0.0	0.0	14.0	Heritage Tree	No Impact	18	30	Good	Fair	Fair	
118	<i>Quercus lobata</i>	Valley oak	No	19.6	0.0	0.0	0.0	0.0	19.6	Heritage Tree	No Impact	30	45	Good	Good	Fair	
119	<i>Quercus lobata</i>	Valley oak	No	16.9	0.0	0.0	0.0	0.0	16.9	Heritage Tree	No Impact	30	35	Good	Good	Fair	
120	<i>Quercus lobata</i>	Valley oak	Yes	9.5	8.5	0.0	0.0	0.0	18.0	Heritage Tree	No Impact	15	30	Good	Fair	Fair	
121	<i>Quercus lobata</i>	Valley oak	No	20.0	0.0	0.0	0.0	0.0	20.0	Heritage Tree	No Impact	30	35	Good	Good	Fair	No tag. Estimated DBH. Covered in poison oak.
122	<i>Quercus lobata</i>	Valley oak	No	18.5	0.0	0.0	0.0	0.0	18.5	Heritage Tree	No Impact	30	50	Good	Fair	Fair	
123	<i>Quercus lobata</i>	Valley oak	Yes	3.0	4.0	2.5	0.0	0.0	9.5	Heritage Tree	No Impact	10	15	Fair	Fair	Fair	
124	<i>Quercus lobata</i>	Valley oak	Yes	3.0	2.0	2.5	1.0	0.0	8.5	Heritage Tree	No Impact	6	12	Fair	Fair	Fair	
125	<i>Quercus lobata</i>	Valley oak	No	17.3	0.0	0.0	0.0	0.0	17.3	Heritage Tree	No Impact	32	50	Good	Good	Fair	
126	<i>Quercus lobata</i>	Valley oak	Yes	4.0	3.2	3.5	3.0	2.0	15.7	Heritage Tree	No Impact	10	18	Fair	Fair	Good	
127	<i>Quercus lobata</i>	Valley oak	No	16.5	0.0	0.0	0.0	0.0	16.5	Heritage Tree	No Impact	20	42	Good	Good	Fair	
128	<i>Quercus lobata</i>	Valley oak	No	13.9	0.0	0.0	0.0	0.0	13.9	Heritage Tree	No Impact	20	37	Good	Good	Fair	
129	<i>Quercus lobata</i>	Valley oak	No	29.0	0.0	0.0	0.0	0.0	29.0	Heritage Tree	No Impact	25	60	Good	Good	Good	
130	<i>Quercus lobata</i>	Valley oak	No	18.5	0.0	0.0	0.0	0.0	18.5	Heritage Tree	No Impact	35	45	Good	Fair	Fair	Poor growth form; lean. Supressed.
131	<i>Quercus lobata</i>	Valley oak	No	18.6	0.0	0.0	0.0	0.0	18.6	Heritage Tree	Removal	35	25	Fair	Fair	Fair	Poor growth form; lean. Supressed.
132	<i>Quercus lobata</i>	Valley oak	No	32.0	0.0	0.0	0.0	0.0	32.0	Heritage Tree	No Impact	35	68	Good	Fair	Fair	
133	<i>Quercus lobata</i>	Valley oak	No	17.5	0.0	0.0	0.0	0.0	17.5	Heritage Tree	No Impact	40	48	Good	Fair	Fair	No tag. Estimated DBH. Covered in poison oak.
134	<i>Quercus lobata</i>	Valley oak	Yes	20.0	9.0	0.0	0.0	0.0	29.0	Heritage Tree	No Impact	40	60	Good	Fair	Fair	No tag. Estimated DBH. Covered in poison oak.
135	<i>Aesculus californica</i>	California buckeye	Yes	7.5	15.0	5.0	0.0	0.0	27.5	Heritage Tree	No Impact	18	35	Good	Good	Fair	
136	<i>Quercus lobata</i>	Valley oak	No	34.0	0.0	0.0	0.0	0.0	34.0	Heritage Tree	No Impact	30	50	Good	Good	Fair	
137	<i>Quercus lobata</i>	Valley oak	No	11.7	0.0	0.0	0.0	0.0	11.7	Heritage Tree	No Impact	25	50	Good	Good	Fair	
138	<i>Quercus lobata</i>	Valley oak	Yes	10.0	12.2	0.0	0.0	0.0	22.2	Heritage Tree	No Impact	20	38	Good	Fair	Fair	
139	<i>Quercus lobata</i>	Valley oak	Yes	5.5	2.0	0.0	0.0	0.0	7.5	Heritage Tree	No Impact	7	20	Fair	Fair	Fair	
140	<i>Quercus lobata</i>	Valley oak	No	18.0	0.0	0.0	0.0	0.0	18.0	Heritage Tree	No Impact	20	48	Good	Good	Fair	
141	<i>Quercus lobata</i>	Valley oak	No	24.0	0.0	0.0	0.0	0.0	24.0	Heritage Tree	No Impact	40	50	Good	Fair	Fair	No tag. Estimated DBH. Covered in poison oak.
142	<i>Quercus lobata</i>	Valley oak	No	11.6	0.0	0.0	0.0	0.0	11.6	Heritage Tree	No Impact	20	45	Good	Fair	Fair	Supressed.
143	<i>Quercus lobata</i>	Valley oak	No	27.0	0.0	0.0	0.0	0.0	27.0	Heritage Tree	No Impact	30	50	Good	Good	Fair	
144	<i>Quercus lobata</i>	Valley oak	No	10.0	0.0	0.0	0.0	0.0	10.0	Heritage Tree	No Impact	20	35	Good	Fair	Fair	
145	<i>Quercus lobata</i>	Valley oak	No	7.5	0.0	0.0	0.0	0.0	7.5	Heritage Tree	No Impact	18	38	Good	Fair	Fair	
146	<i>Quercus lobata</i>	Valley oak	No	6.5	0.0	0.0	0.0	0.0	6.5	Heritage Tree	No Impact	15	38	Good	Fair	Fair	
147	<i>Quercus lobata</i>	Valley oak	No	6.0	0.0	0.0	0.0	0.0	6.0	Heritage Tree	No Impact	15	35	Fair	Fair	Fair	
148	<i>Quercus lobata</i>	Valley oak	No	6.5	0.0	0.0	0.0	0.0	6.5	Heritage Tree	Root Zone	10	35	Fair	Fair	Good	
149	<i>Quercus lobata</i>	Valley oak	No	7.5	0.0	0.0	0.0	0.0	7.5	Heritage Tree	No Impact	10	30	Fair	Fair	Fair	
150	<i>Quercus lobata</i>	Valley oak	No	7.5	0.0	0.0	0.0	0.0	7.5	Heritage Tree	No Impact	15	30	Fair	Fair	Fair	

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151	<i>Quercus lobata</i>	Valley oak	No	7.5	0.0	0.0	0.0	0.0	7.5	Heritage Tree	Root Zone	12	35	Fair	Fair	Fair	
152	<i>Quercus lobata</i>	Valley oak	Yes	7.0	6.0	0.0	0.0	0.0	13.0	Heritage Tree	No Impact	20	25	Fair	Fair	Fair	
153	<i>Quercus lobata</i>	Valley oak	No	6.1	0.0	0.0	0.0	0.0	6.1	Heritage Tree	No Impact	10	20	Fair	Fair	Fair	
154	<i>Quercus lobata</i>	Valley oak	Yes	8.0	6.0	4.0	0.0	0.0	18.0	Heritage Tree	Root Zone	15	25	Fair	Fair	Fair	
155	<i>Quercus lobata</i>	Valley oak	No	6.3	0.0	0.0	0.0	0.0	6.3	Heritage Tree	No Impact	10	30	Good	Fair	Good	
156	<i>Quercus lobata</i>	Valley oak	No	6.5	0.0	0.0	0.0	0.0	6.5	Heritage Tree	No Impact	10	25	Fair	Good	Fair	Supressed.
157	<i>Quercus lobata</i>	Valley oak	Yes	7.5	5.5	0.0	0.0	0.0	13.0	Heritage Tree	No Impact	20	35	Good	Fair	Fair	
158	<i>Quercus lobata</i>	Valley oak	Yes	6.5	3.0	8.0	0.0	0.0	17.5	Heritage Tree	No Impact	20	30	Fair	Fair	Fair	
159	<i>Quercus lobata</i>	Valley oak	No	7.0	0.0	0.0	0.0	0.0	7.0	Heritage Tree	No Impact	20	30	Fair	Fair	Fair	
160	<i>Quercus lobata</i>	Valley oak	No	7.2	0.0	0.0	0.0	0.0	7.2	Heritage Tree	No Impact	20	35	Fair	Fair	Fair	
161	<i>Quercus lobata</i>	Valley oak	No	7.5	0.0	0.0	0.0	0.0	7.5	Heritage Tree	No Impact	20	30	Fair	Good	Fair	
162	<i>Quercus lobata</i>	Valley oak	Yes	6.0	4.0	6.5	0.0	0.0	16.5	Heritage Tree	No Impact	25	35	Good	Fair	Fair	No tag. Estimated DBH. Covered in poison oak.
163	<i>Quercus lobata</i>	Valley oak	No	6.0	0.0	0.0	0.0	0.0	6.0	Heritage Tree	No Impact	10	30	Fair	Fair	Fair	No tag. Estimated DBH. Covered in poison oak.
164	<i>Quercus lobata</i>	Valley oak	No	8.0	0.0	0.0	0.0	0.0	8.0	Heritage Tree	No Impact	15	30	Good	Fair	Fair	No tag. Estimated DBH. Covered in poison oak.
165	<i>Quercus lobata</i>	Valley oak	No	8.2	0.0	0.0	0.0	0.0	8.2	Heritage Tree	No Impact	20	35	Good	Good	Good	No tag. Estimated DBH. Covered in poison oak.
166	<i>Quercus lobata</i>	Valley oak	No	8.7	0.0	0.0	0.0	0.0	8.7	Heritage Tree	No Impact	15	32	Good	Fair	Fair	No tag. Estimated DBH. Covered in poison oak.
167	<i>Quercus lobata</i>	Valley oak	No	8.0	0.0	0.0	0.0	0.0	8.0	Heritage Tree	Root Zone	17	35	Good	Fair	Fair	
168	<i>Quercus lobata</i>	Valley oak	Yes	7.5	6.0	1.0	1.5	0.0	16.0	Heritage Tree	No Impact	15	40	Good	Fair	Fair	
169	<i>Quercus lobata</i>	Valley oak	No	6.0	0.0	0.0	0.0	0.0	6.0	Heritage Tree	No Impact	25	40	Good	Fair	Fair	
170	<i>Quercus lobata</i>	Valley oak	Yes	10.5	9.0	8.0	8.0	4.0	39.5	Heritage Tree	Root Zone	35	45	Good	Fair	Fair	
171	<i>Quercus lobata</i>	Valley oak	Yes	11.0	6.0	0.0	0.0	0.0	17.0	Heritage Tree	No Impact	20	40	Good	Fair	Fair	
172	<i>Quercus lobata</i>	Valley oak	No	7.5	0.0	0.0	0.0	0.0	7.5	Heritage Tree	Root Zone	10	30	Good	Fair	Fair	
173	<i>Quercus lobata</i>	Valley oak	Yes	6.0	4.0	0.0	0.0	0.0	10.0	Heritage Tree	No Impact	15	30	Good	Fair	Fair	
174	<i>Quercus lobata</i>	Valley oak	Yes	8.1	3.2	0.0	0.0	0.0	11.3	Heritage Tree	No Impact	8	30	Good	Fair	Fair	
175	<i>Quercus lobata</i>	Valley oak	No	6.0	0.0	0.0	0.0	0.0	6.0	Heritage Tree	No Impact	12	25	Fair	Fair	Fair	Supressed.
176	<i>Quercus lobata</i>	Valley oak	No	8.3	0.0	0.0	0.0	0.0	8.3	Heritage Tree	No Impact	15	30	Fair	Fair	Fair	
177	<i>Quercus lobata</i>	Valley oak	No	6.3	0.0	0.0	0.0	0.0	6.3	Heritage Tree	Root Zone	15	30	Fair	Fair	Fair	
178	<i>Quercus lobata</i>	Valley oak	No	7.7	0.0	0.0	0.0	0.0	7.7	Heritage Tree	Root Zone	18	30	Fair	Fair	Fair	No tag. Estimated DBH. Covered in poison oak.
179	<i>Quercus lobata</i>	Valley oak	No	8.0	0.0	0.0	0.0	0.0	8.0	Heritage Tree	No Impact	15	35	Fair	Fair	Fair	
180	<i>Quercus lobata</i>	Valley oak	No	6.3	0.0	0.0	0.0	0.0	6.3	Heritage Tree	No Impact	20	35	Fair	Fair	Fair	
181	<i>Quercus lobata</i>	Valley oak	No	6.8	0.0	0.0	0.0	0.0	6.8	Heritage Tree	No Impact	10	35	Fair	Fair	Fair	
182	<i>Quercus lobata</i>	Valley oak	No	10.4	0.0	0.0	0.0	0.0	10.4	Heritage Tree	No Impact	20	40	Good	Fair	Fair	
183	<i>Quercus lobata</i>	Valley oak	Yes	8.2	9.0	0.0	0.0	0.0	17.2	Heritage Tree	No Impact	18	38	Good	Fair	Good	
184	<i>Quercus lobata</i>	Valley oak	No	7.5	0.0	0.0	0.0	0.0	7.5	Heritage Tree	No Impact	20	30	Fair	Fair	Fair	No tag. Estimated DBH. Covered in poison oak.
185	<i>Quercus lobata</i>	Valley oak	Yes	10.0	8.5	0.0	0.0	0.0	18.5	Heritage Tree	No Impact	20	30	Good	Fair	Fair	
186	<i>Quercus lobata</i>	Valley oak	No	20.0	0.0	0.0	0.0	0.0	20.0	Heritage Tree	No Impact	25	40	Good	Fair	Good	No tag. Estimated DBH. Covered in poison oak.
187	<i>Quercus lobata</i>	Valley oak	No	9.1	0.0	0.0	0.0	0.0	9.1	Heritage Tree	No Impact	20	30	Fair	Fair	Fair	Poor growth form; lean. Supressed.
188	<i>Quercus lobata</i>	Valley oak	No	6.1	0.0	0.0	0.0	0.0	6.1	Heritage Tree	No Impact	8	28	Good	Fair	Fair	
189	<i>Quercus lobata</i>	Valley oak	Yes	26.0	21.0	0.0	0.0	0.0	47.0	Heritage Tree	No Impact	30	50	Good	Good	Fair	
190	<i>Quercus lobata</i>	Valley oak	No	10.2	0.0	0.0	0.0	0.0	10.2	Heritage Tree	No Impact	20	30	Good	Fair	Fair	
191	<i>Quercus lobata</i>	Valley oak	No	8.0	0.0	0.0	0.0	0.0	8.0	Heritage Tree	No Impact	15	30	Good	Fair	Fair	
192	<i>Quercus lobata</i>	Valley oak	No	8.9	0.0	0.0	0.0	0.0	8.9	Heritage Tree	No Impact	18	18	Good	Fair	Fair	
193	<i>Quercus lobata</i>	Valley oak	No	6.1	0.0	0.0	0.0	0.0	6.1	Heritage Tree	No Impact	15	20	Good	Fair	Fair	
194	<i>Quercus lobata</i>	Valley oak	No	7.1	0.0	0.0	0.0	0.0	7.1	Heritage Tree	No Impact	20	32	Fair	Fair	Fair	
195	<i>Quercus lobata</i>	Valley oak	No	7.6	0.0	0.0	0.0	0.0	7.6	Heritage Tree	No Impact	15	38	Good	Fair	Fair	
196	<i>Quercus lobata</i>	Valley oak	No	6.7	0.0	0.0	0.0	0.0	6.7	Heritage Tree	No Impact	15	35	Good	Fair	Fair	
197	<i>Quercus lobata</i>	Valley oak	No	7.3	0.0	0.0	0.0	0.0	7.3	Heritage Tree	No Impact	18	25	Fair	Fair	Fair	
198	<i>Quercus lobata</i>	Valley oak	No	7.0	0.0	0.0	0.0	0.0	7.0	Heritage Tree	No Impact	18	35	Good	Fair	Fair	
199	<i>Quercus lobata</i>	Valley oak	No	6.4	0.0	0.0	0.0	0.0	6.4	Heritage Tree	No Impact	20	35	Good	Fair	Fair	
200	<i>Quercus lobata</i>	Valley oak	No	6.0	0.0	0.0	0.0	0.0	6.0	Heritage Tree	No Impact	15	15	Fair	Fair	Fair	Poor growth form; lean. Supressed.

Tag ID	Species	Common Name	Multi-stem	DBH 1	DBH 2	DBH 3	DBH 4	DBH 5	Total DBH (inches)	Ordinance Status	Potential Impact	Dripline (feet)	Height (feet)	Condition	Health	Structure	Comment
201	<i>Quercus lobata</i>	Valley oak	No	7.1	0.0	0.0	0.0	0.0	7.1	Heritage Tree	No Impact	13	30	Fair	Fair	Fair	
202	<i>Quercus lobata</i>	Valley oak	No	7.1	0.0	0.0	0.0	0.0	7.1	Heritage Tree	No Impact	8	25	Fair	Fair	Fair	
203	<i>Quercus lobata</i>	Valley oak	No	7.1	0.0	0.0	0.0	0.0	7.1	Heritage Tree	No Impact	12	25	Fair	Fair	Fair	
204	<i>Quercus lobata</i>	Valley oak	Yes	13.0	13.0	0.0	0.0	0.0	26.0	Heritage Tree	No Impact	25	43	Good	Good	Good	
205	<i>Quercus lobata</i>	Valley oak	No	6.5	0.0	0.0	0.0	0.0	6.5	Heritage Tree	No Impact	5	15	Fair	Fair	Fair	
206	<i>Quercus lobata</i>	Valley oak	Yes	10.0	9.9	0.0	0.0	0.0	19.9	Heritage Tree	No Impact	20	35	Good	Good	Good	
207	<i>Quercus lobata</i>	Valley oak	No	21.2	0.0	0.0	0.0	0.0	21.2	Heritage Tree	No Impact	30	35	Good	Good	Good	Dominant.
208	<i>Quercus lobata</i>	Valley oak	No	14.0	0.0	0.0	0.0	0.0	14.0	Heritage Tree	No Impact	15	35	Fair	Fair	Good	
209	<i>Quercus agrifolia</i>	coast live oak	No	18.5	0.0	0.0	0.0	0.0	18.5	Heritage Tree	No Impact	25	25	Fair	Fair	Fair	Poor growth form; lean. Supressed.
210	<i>Quercus lobata</i>	Valley oak	No	16.0	0.0	0.0	0.0	0.0	16.0	Heritage Tree	No Impact	30	35	Good	Good	Good	Dominant.
211	<i>Quercus lobata</i>	Valley oak	No	6.0	0.0	0.0	0.0	0.0	6.0	Heritage Tree	No Impact	6	25	Fair	Fair	Fair	Supressed.
212	<i>Quercus lobata</i>	Valley oak	No	19.0	0.0	0.0	0.0	0.0	19.0	Heritage Tree	No Impact	30	35	Fair	Fair	Fair	
213	<i>Quercus lobata</i>	Valley oak	No	7.5	0.0	0.0	0.0	0.0	7.5	Heritage Tree	No Impact	15	18	Fair	Good	Fair	Supressed.
214	<i>Quercus lobata</i>	Valley oak	No	7.3	0.0	0.0	0.0	0.0	7.3	Heritage Tree	No Impact	15	30	Fair	Good	Fair	Supressed.
215	<i>Quercus lobata</i>	Valley oak	No	12.0	0.0	0.0	0.0	0.0	12.0	Heritage Tree	No Impact	12	35	Fair	Fair	Fair	Mechanical injury.
216	<i>Quercus lobata</i>	Valley oak	No	6.5	0.0	0.0	0.0	0.0	6.5	Heritage Tree	No Impact	8	25	Fair	Fair	Fair	
217	<i>Quercus lobata</i>	Valley oak	No	11.0	0.0	0.0	0.0	0.0	11.0	Heritage Tree	No Impact	10	35	Fair	Fair	Fair	Supressed.
218	<i>Quercus lobata</i>	Valley oak	No	13.0	0.0	0.0	0.0	0.0	13.0	Heritage Tree	No Impact	15	35	Fair	Fair	Fair	
219	<i>Quercus lobata</i>	Valley oak	No	10.0	0.0	0.0	0.0	0.0	10.0	Heritage Tree	No Impact	15	30	Fair	Fair	Fair	
220	<i>Quercus lobata</i>	Valley oak	No	8.0	0.0	0.0	0.0	0.0	8.0	Heritage Tree	No Impact	15	25	Fair	Fair	Fair	
221	<i>Quercus lobata</i>	Valley oak	Yes	5.5	5.0	0.0	0.0	0.0	10.5	Heritage Tree	No Impact	9	18	Fair	Fair	Fair	
222	<i>Quercus lobata</i>	Valley oak	No	7.5	0.0	0.0	0.0	0.0	7.5	Heritage Tree	No Impact	9	30	Fair	Fair	Fair	Supressed.
223	<i>Quercus lobata</i>	Valley oak	No	38.0	0.0	0.0	0.0	0.0	38.0	Heritage Tree	No Impact	30	45	Fair	Fair	Fair	Minor decay/dieback.
224	<i>Quercus lobata</i>	Valley oak	No	17.0	0.0	0.0	0.0	0.0	17.0	Heritage Tree	No Impact	25	35	Fair	Fair	Fair	
225	<i>Quercus lobata</i>	Valley oak	Yes	10.0	9.0	0.0	0.0	0.0	19.0	Heritage Tree	No Impact	15	30	Good	Good	Good	
226	<i>Quercus lobata</i>	Valley oak	No	9.0	0.0	0.0	0.0	0.0	9.0	Heritage Tree	No Impact	10	22	Fair	Fair	Fair	No tag. Estimated DBH. Covered in poison oak.
231	<i>Quercus lobata</i>	Valley oak	No	36.0	0.0	0.0	0.0	0.0	36.0	Heritage Tree	No Impact	30	30	Good	Fair	Fair	
232	<i>Quercus lobata</i>	Valley oak	No	10.0	0.0	0.0	0.0	0.0	10.0	Heritage Tree	No Impact	12	30	Good	Fair	Fair	
233	<i>Quercus lobata</i>	Valley oak	No	6.0	0.0	0.0	0.0	0.0	6.0	Heritage Tree	No Impact	4	16	Fair	Fair	Fair	
234	<i>Quercus lobata</i>	Valley oak	No	14.0	0.0	0.0	0.0	0.0	14.0	Heritage Tree	No Impact	8	35	Good	Fair	Fair	
235	<i>Quercus lobata</i>	Valley oak	No	9.0	0.0	0.0	0.0	0.0	9.0	Heritage Tree	No Impact	9	35	Good	Fair	Fair	
236	<i>Quercus lobata</i>	Valley oak	No	6.2	0.0	0.0	0.0	0.0	6.2	Heritage Tree	No Impact	7	22	Fair	Fair	Fair	
237	<i>Quercus lobata</i>	Valley oak	No	6.5	0.0	0.0	0.0	0.0	6.5	Heritage Tree	No Impact	10	25	Fair	Fair	Fair	
238	<i>Quercus lobata</i>	Valley oak	No	7.5	0.0	0.0	0.0	0.0	7.5	Heritage Tree	No Impact	14	25	Fair	Fair	Fair	No tag. Estimated DBH. Covered in poison oak.
239	<i>Quercus lobata</i>	Valley oak	No	9.0	0.0	0.0	0.0	0.0	9.0	Heritage Tree	No Impact	7	35	Fair	Fair	Fair	No tag. Estimated DBH. Covered in poison oak.
240	<i>Quercus lobata</i>	Valley oak	No	6.5	0.0	0.0	0.0	0.0	6.5	Heritage Tree	No Impact	8	25	Good	Good	Good	
241	<i>Quercus lobata</i>	Valley oak	No	7.5	0.0	0.0	0.0	0.0	7.5	Heritage Tree	No Impact	12	20	Fair	Fair	Fair	
242	<i>Quercus lobata</i>	Valley oak	No	6.5	0.0	0.0	0.0	0.0	6.5	Heritage Tree	No Impact	12	28	Fair	Fair	Fair	No tag. Estimated DBH. Covered in poison oak.
243	<i>Quercus lobata</i>	Valley oak	Yes	5.1	5.1	0.0	0.0	0.0	10.2	Heritage Tree	No Impact	8	28	Fair	Fair	Fair	
244	<i>Quercus lobata</i>	Valley oak	No	6.5	0.0	0.0	0.0	0.0	6.5	Heritage Tree	No Impact	12	25	Fair	Fair	Fair	
245	<i>Quercus lobata</i>	Valley oak	No	6.0	0.0	0.0	0.0	0.0	6.0	Heritage Tree	No Impact	6	22	Fair	Fair	Fair	No tag. Estimated DBH. Covered in poison oak.
246	<i>Quercus lobata</i>	Valley oak	No	8.6	0.0	0.0	0.0	0.0	8.6	Heritage Tree	No Impact	10	25	Fair	Fair	Fair	
247	<i>Quercus lobata</i>	Valley oak	No	7.5	0.0	0.0	0.0	8.0	15.5	Heritage Tree	No Impact	5	18	Poor	Fair	Poor	
248	<i>Quercus lobata</i>	Valley oak	No	7.5	0.0	0.0	0.0	0.0	7.5	Heritage Tree	No Impact	15	20	Good	Good	Good	
249	<i>Quercus lobata</i>	Valley oak	No	6.8	0.0	0.0	0.0	0.0	6.8	Heritage Tree	No Impact	8	26	Fair	Fair	Fair	
250	<i>Quercus lobata</i>	Valley oak	Yes	9.0	6.5	0.0	0.0	0.0	15.5	Heritage Tree	No Impact	12	20	Good	Good	Fair	
251	<i>Quercus lobata</i>	Valley oak	Yes	8.0	5.9	0.0	0.0	0.0	13.9	Heritage Tree	No Impact	12	26	Fair	Fair	Fair	
252	<i>Quercus lobata</i>	Valley oak	No	7.0	0.0	0.0	0.0	0.0	7.0	Heritage Tree	No Impact	8	22	Fair	Good	Fair	
253	<i>Quercus lobata</i>	Valley oak	No	7.5	0.0	0.0	0.0	0.0	7.5	Heritage Tree	No Impact	8	28	Fair	Good	Fair	
254	<i>Quercus lobata</i>	Valley oak	Yes	7.4	7.0	0.0	0.0	0.0	14.4	Heritage Tree	No Impact	10	25	Fair	Good	Fair	

Tag ID	Species	Common Name	Multi-stem	DBH 1	DBH 2	DBH 3	DBH 4	DBH 5	Total DBH (inches)	Ordinance Status	Potential Impact	Dripline (feet)	Height (feet)	Condition	Health	Structure	Comment
255	<i>Quercus lobata</i>	Valley oak	No	8.0	0.0	0.0	0.0	0.0	8.0	Heritage Tree	No Impact	7	25	Fair	Fair	Fair	
256	<i>Quercus lobata</i>	Valley oak	No	7.2	0.0	0.0	0.0	0.0	7.2	Heritage Tree	No Impact	8	20	Fair	Fair	Fair	
257	<i>Quercus lobata</i>	Valley oak	Yes	17.0	11.2	0.0	0.0	0.0	28.2	Heritage Tree	No Impact	20	25	Good	Good	Good	
258	<i>Quercus agrifolia</i>	coast live oak	No	18.0	0.0	0.0	0.0	0.0	18.0	Heritage Tree	No Impact	16	25	Good	Good	Good	
259	<i>Quercus lobata</i>	Valley oak	Yes	8.3	8.5	0.0	0.0	0.0	16.8	Heritage Tree	No Impact	15	25	Fair	Fair	Fair	
260	<i>Quercus lobata</i>	Valley oak	Yes	10.5	9.6	12.0	8.6	0.0	40.7	Heritage Tree	No Impact	18	25	Good	Fair	Fair	
261	<i>Quercus lobata</i>	Valley oak	Yes	6.5	5.0	0.0	0.0	0.0	11.5	Heritage Tree	No Impact	9	15	Fair	Good	Fair	Supressed.
262	<i>Quercus lobata</i>	Valley oak	No	8.0	0.0	0.0	0.0	0.0	8.0	Heritage Tree	No Impact	10	15	Fair	Fair	Fair	
263	<i>Quercus lobata</i>	Valley oak	No	25.0	0.0	0.0	0.0	0.0	25.0	Heritage Tree	No Impact	18	25	Good	Good	Good	
264	<i>Quercus lobata</i>	Valley oak	Yes	8.5	8.0	0.0	0.0	0.0	16.5	Heritage Tree	No Impact	10	28	Good	Good	Good	
265	<i>Quercus lobata</i>	Valley oak	No	8.2	0.0	0.0	0.0	0.0	8.2	Heritage Tree	No Impact	12	25	Fair	Fair	Fair	
266	<i>Quercus lobata</i>	Valley oak	No	7.5	0.0	0.0	0.0	0.0	7.5	Heritage Tree	No Impact	8	25	Fair	Fair	Fair	
267	<i>Quercus lobata</i>	Valley oak	Yes	7.5	4.0	0.0	0.0	0.0	11.5	Heritage Tree	No Impact	9	35	Fair	Fair	Fair	
268	<i>Quercus lobata</i>	Valley oak	No	6.0	0.0	0.0	0.0	0.0	6.0	Heritage Tree	No Impact	8	30	Fair	Fair	Fair	No tag. Estimated DBH. Covered in poison oak.
269	<i>Quercus lobata</i>	Valley oak	No	7.0	0.0	0.0	0.0	0.0	7.0	Heritage Tree	No Impact	10	30	Fair	Fair	Fair	No tag. Estimated DBH. Covered in poison oak.
270	<i>Quercus lobata</i>	Valley oak	No	6.9	0.0	0.0	0.0	0.0	6.9	Heritage Tree	No Impact	15	25	Fair	Fair	Fair	
271	<i>Quercus lobata</i>	Valley oak	No	11.0	0.0	0.0	0.0	0.0	11.0	Heritage Tree	Root Zone	12	30	Fair	Fair	Fair	
272	<i>Quercus lobata</i>	Valley oak	Yes	13.0	5.0	0.0	0.0	0.0	18.0	Heritage Tree	No Impact	18	30	Fair	Fair	Fair	
273	<i>Quercus lobata</i>	Valley oak	No	6.0	0.0	0.0	0.0	0.0	6.0	Heritage Tree	No Impact	10	30	Fair	Fair	Fair	
274	<i>Quercus lobata</i>	Valley oak	No	11.0	0.0	0.0	0.0	0.0	11.0	Heritage Tree	Root Zone	8	25	Fair	Fair	Fair	No tag. Estimated DBH. Covered in poison oak.
275	<i>Quercus lobata</i>	Valley oak	No	7.0	0.0	0.0	0.0	0.0	7.0	Heritage Tree	No Impact	15	25	Fair	Fair	Fair	No tag. Estimated DBH. Covered in poison oak.
276	<i>Quercus lobata</i>	Valley oak	No	7.1	0.0	0.0	0.0	0.0	7.1	Heritage Tree	No Impact	10	25	Fair	Fair	Fair	
277	<i>Quercus lobata</i>	Valley oak	No	7.0	0.0	0.0	0.0	0.0	7.0	Heritage Tree	No Impact	8	30	Fair	Good	Fair	
278	<i>Quercus lobata</i>	Valley oak	No	6.5	0.0	0.0	0.0	0.0	6.5	Heritage Tree	No Impact	8	22	Fair	Fair	Fair	
279	<i>Quercus lobata</i>	Valley oak	Yes	4.0	5.0	0.0	0.0	0.0	9.0	Heritage Tree	Removal	5	20	Fair	Fair	Fair	
280	<i>Quercus lobata</i>	Valley oak	Yes	5.1	4.0	0.0	0.0	0.0	9.1	Heritage Tree	Root Zone	5	25	Fair	Fair	Fair	
281	<i>Quercus lobata</i>	Valley oak	No	6.5	0.0	0.0	0.0	0.0	6.5	Heritage Tree	No Impact	11	25	Fair	Fair	Fair	
282	<i>Quercus lobata</i>	Valley oak	Yes	6.1	6.1	3.0	0.0	0.0	15.2	Heritage Tree	No Impact	8	25	Fair	Fair	Fair	
283	<i>Quercus lobata</i>	Valley oak	No	6.0	0.0	0.0	0.0	0.0	6.0	Heritage Tree	No Impact	5	25	Fair	Fair	Fair	Supressed.
284	<i>Quercus lobata</i>	Valley oak	No	6.0	0.0	0.0	0.0	0.0	6.0	Heritage Tree	No Impact	6	22	Fair	Fair	Fair	
285	<i>Quercus lobata</i>	Valley oak	Yes	5.1	4.8	0.0	0.0	0.0	9.9	Heritage Tree	No Impact	8	22	Fair	Fair	Fair	
286	<i>Quercus lobata</i>	Valley oak	No	8.0	0.0	0.0	0.0	0.0	8.0	Heritage Tree	No Impact	12	25	Fair	Fair	Fair	
287	<i>Quercus lobata</i>	Valley oak	Yes	7.0	4.0	0.0	0.0	0.0	11.0	Heritage Tree	No Impact	12	22	Good	Fair	Fair	
288	<i>Quercus lobata</i>	Valley oak	No	8.0	0.0	0.0	0.0	0.0	8.0	Heritage Tree	No Impact	8	30	Fair	Good	Fair	
289	<i>Quercus lobata</i>	Valley oak	No	6.2	0.0	0.0	0.0	0.0	6.2	Heritage Tree	No Impact	6	25	Fair	Fair	Fair	
290	<i>Quercus lobata</i>	Valley oak	No	6.5	0.0	0.0	0.0	0.0	6.5	Heritage Tree	No Impact	7	30	Good	Good	Good	
291	<i>Quercus lobata</i>	Valley oak	Yes	10.0	5.0	0.0	0.0	0.0	15.0	Heritage Tree	No Impact	8	25	Fair	Fair	Fair	
292	<i>Quercus lobata</i>	Valley oak	No	6.0	0.0	0.0	0.0	0.0	6.0	Heritage Tree	No Impact	5	22	Fair	Fair	Fair	
293	<i>Quercus lobata</i>	Valley oak	No	6.2	0.0	0.0	0.0	0.0	6.2	Heritage Tree	Root Zone	12	20	Fair	Good	Fair	
294	<i>Quercus lobata</i>	Valley oak	Yes	6.2	6.1	3.0	1.0	1.0	17.3	Heritage Tree	No Impact	15	28	Fair	Fair	Fair	
295	<i>Quercus lobata</i>	Valley oak	Yes	11.0	6.5	7.0	4.0	0.0	28.5	Heritage Tree	No Impact	18	25	Fair	Good	Fair	
296	<i>Quercus lobata</i>	Valley oak	No	7.0	0.0	0.0	0.0	0.0	7.0	Heritage Tree	No Impact	6	20	Fair	Fair	Fair	
297	<i>Quercus lobata</i>	Valley oak	No	8.0	0.0	0.0	0.0	0.0	8.0	Heritage Tree	No Impact	10	30	Fair	Fair	Fair	
298	<i>Quercus lobata</i>	Valley oak	Yes	5.8	5.8	0.0	0.0	0.0	11.6	Heritage Tree	No Impact	10	30	Fair	Good	Fair	No tag. Estimated DBH. Covered in poison oak.
301	<i>Quercus lobata</i>	Valley oak	No	6.7	0.0	0.0	0.0	0.0	6.7	Heritage Tree	No Impact	15	26	Good	Fair	Fair	
302	<i>Quercus lobata</i>	Valley oak	No	6.0	0.0	0.0	0.0	0.0	6.0	Heritage Tree	No Impact	18	20	Fair	Fair	Fair	
303	<i>Quercus lobata</i>	Valley oak	No	12.5	0.0	0.0	0.0	0.0	12.5	Heritage Tree	No Impact	20	45	Good	Fair	Fair	
304	<i>Quercus lobata</i>	Valley oak	No	11.2	0.0	0.0	0.0	0.0	11.2	Heritage Tree	No Impact	20	45	Fair	Fair	Fair	
305	<i>Quercus lobata</i>	Valley oak	No	10.8	0.0	0.0	0.0	0.0	10.8	Heritage Tree	No Impact	23	20	Fair	Fair	Poor	Poor growth form; lean. Supressed.
306	<i>Quercus lobata</i>	Valley oak	Yes	8.3	1.2	0.0	0.0	0.0	9.5	Heritage Tree	No Impact	20	22	Fair	Fair	Fair	

Tag ID	Species	Common Name	Multi-stem	DBH 1	DBH 2	DBH 3	DBH 4	DBH 5	Total DBH (inches)	Ordinance Status	Potential Impact	Dripline (feet)	Height (feet)	Condition	Health	Structure	Comment
307	<i>Quercus lobata</i>	Valley oak	No	28.2	0.0	0.0	0.0	0.0	28.2	Heritage Tree	No Impact	30	50	Good	Fair	Good	Dominant.
308	<i>Quercus lobata</i>	Valley oak	Yes	8.2	5.4	0.0	0.0	0.0	13.6	Heritage Tree	No Impact	20	3	Fair	Fair	Fair	
309	<i>Quercus lobata</i>	Valley oak	No	6.9	0.0	0.0	0.0	0.0	6.9	Heritage Tree	No Impact	20	30	Fair	Fair	Fair	Mechanical injury. Poor growth form; lean.
310	<i>Quercus lobata</i>	Valley oak	Yes	8.1	16.2	0.0	0.0	0.0	24.3	Heritage Tree	No Impact	25	35	Fair	Fair	Fair	
311	<i>Quercus lobata</i>	Valley oak	No	7.8	0.0	0.0	0.0	0.0	7.8	Heritage Tree	No Impact	18	35	Fair	Fair	Fair	
312	<i>Quercus lobata</i>	Valley oak	No	6.8	0.0	0.0	0.0	0.0	6.8	Heritage Tree	No Impact	10	35	Fair	Fair	Fair	Poor growth form; lean. Supressed.
313	<i>Quercus lobata</i>	Valley oak	No	6.1	0.0	0.0	0.0	0.0	6.1	Heritage Tree	No Impact	10	30	Fair	Fair	Fair	
314	<i>Quercus lobata</i>	Valley oak	No	28.3	0.0	0.0	0.0	0.0	28.3	Heritage Tree	No Impact	25	45	Good	Fair	Fair	
315	<i>Quercus lobata</i>	Valley oak	No	7.0	0.0	0.0	0.0	0.0	7.0	Heritage Tree	No Impact	10	35	Fair	Fair	Fair	
316	<i>Quercus lobata</i>	Valley oak	No	6.6	0.0	0.0	0.0	0.0	6.6	Heritage Tree	No Impact	10	30	Fair	Fair	Fair	
317	<i>Quercus lobata</i>	Valley oak	Yes	7.0	6.5	3.5	0.0	0.0	17.0	Heritage Tree	No Impact	20	35	Fair	Fair	Fair	No tag. Estimated DBH. Covered in poison oak.
318	<i>Quercus lobata</i>	Valley oak	No	7.2	0.0	0.0	0.0	0.0	7.2	Heritage Tree	No Impact	20	25	Fair	Fair	Fair	
319	<i>Quercus lobata</i>	Valley oak	No	6.0	0.0	0.0	0.0	0.0	6.0	Heritage Tree	No Impact	15	30	Fair	Fair	Fair	
320	<i>Quercus lobata</i>	Valley oak	No	6.3	0.0	0.0	0.0	0.0	6.3	Heritage Tree	No Impact	10	35	Fair	Fair	Fair	
321	<i>Quercus lobata</i>	Valley oak	No	6.1	0.0	0.0	0.0	0.0	6.1	Heritage Tree	No Impact	8	30	Fair	Fair	Fair	No tag. Estimated DBH. Covered in poison oak.
322	<i>Quercus lobata</i>	Valley oak	No	8.2	0.0	0.0	0.0	0.0	8.2	Heritage Tree	No Impact	20	35	Fair	Fair	Fair	No tag. Estimated DBH. Covered in poison oak.
323	<i>Quercus lobata</i>	Valley oak	Yes	6.8	7.3	0.0	0.0	0.0	14.1	Heritage Tree	No Impact	15	35	Fair	Fair	Fair	
324	<i>Quercus lobata</i>	Valley oak	Yes	7.6	7.0	0.0	0.0	0.0	14.6	Heritage Tree	No Impact	10	30	Fair	Fair	Fair	
325	<i>Quercus lobata</i>	Valley oak	No	7.6	0.0	0.0	0.0	0.0	7.6	Heritage Tree	No Impact	15	28	Fair	Fair	Fair	
326	<i>Quercus lobata</i>	Valley oak	Yes	7.3	6.5	0.0	0.0	0.0	13.8	Heritage Tree	No Impact	15	30	Fair	Fair	Fair	
327	<i>Quercus lobata</i>	Valley oak	No	7.3	0.0	0.0	0.0	0.0	7.3	Heritage Tree	No Impact	10	32	Fair	Fair	Fair	
328	<i>Quercus lobata</i>	Valley oak	No	11.0	0.0	0.0	0.0	0.0	11.0	Heritage Tree	No Impact	20	45	Good	Fair	Fair	
329	<i>Quercus lobata</i>	Valley oak	No	6.2	0.0	0.0	0.0	0.0	6.2	Heritage Tree	No Impact	15	30	Fair	Fair	Fair	No tag. Estimated DBH. Covered in poison oak.
330	<i>Quercus lobata</i>	Valley oak	No	7.9	0.0	0.0	0.0	0.0	7.9	Heritage Tree	No Impact	15	38	Fair	Fair	Fair	
331	<i>Quercus lobata</i>	Valley oak	No	10.2	0.0	0.0	0.0	0.0	10.2	Heritage Tree	No Impact	20	35	Good	Fair	Fair	
332	<i>Quercus lobata</i>	Valley oak	No	6.1	0.0	0.0	0.0	0.0	6.1	Heritage Tree	No Impact	15	30	Fair	Fair	Fair	
333	<i>Quercus lobata</i>	Valley oak	Yes	7.5	10.2	0.0	0.0	0.0	17.7	Heritage Tree	No Impact	25	35	Fair	Fair	Fair	
334	<i>Quercus lobata</i>	Valley oak	No	8.9	0.0	0.0	0.0	0.0	8.9	Heritage Tree	No Impact	20	30	Fair	Fair	Fair	
335	<i>Quercus lobata</i>	Valley oak	No	6.8	0.0	0.0	0.0	0.0	6.8	Heritage Tree	No Impact	10	35	Fair	Fair	Fair	
336	<i>Quercus lobata</i>	Valley oak	Yes	5.5	6.2	6.0	0.0	0.0	17.7	Heritage Tree	No Impact	15	15	Fair	Fair	Fair	
337	<i>Quercus lobata</i>	Valley oak	No	7.7	0.0	0.0	0.0	0.0	7.7	Heritage Tree	No Impact	15	40	Fair	Fair	Fair	No tag. Estimated DBH. Covered in poison oak.
338	<i>Quercus lobata</i>	Valley oak	Yes	6.0	6.4	0.0	0.0	0.0	12.4	Heritage Tree	No Impact	15	45	Fair	Fair	Fair	No tag. Estimated DBH. Covered in poison oak.
339	<i>Quercus lobata</i>	Valley oak	No	6.5	0.0	0.0	0.0	0.0	6.5	Heritage Tree	No Impact	15	45	Fair	Fair	Fair	No tag. Estimated DBH. Covered in poison oak.
340	<i>Quercus lobata</i>	Valley oak	No	7.0	0.0	0.0	0.0	0.0	7.0	Heritage Tree	No Impact	15	35	Fair	Fair	Fair	
341	<i>Quercus lobata</i>	Valley oak	No	6.3	0.0	0.0	0.0	0.0	6.3	Heritage Tree	No Impact	15	30	Fair	Fair	Fair	
342	<i>Quercus lobata</i>	Valley oak	No	6.1	0.0	0.0	0.0	0.0	6.1	Heritage Tree	No Impact	10	30	Fair	Fair	Fair	
343	<i>Quercus lobata</i>	Valley oak	No	6.4	0.0	0.0	0.0	0.0	6.4	Heritage Tree	No Impact	10	35	Fair	Fair	Fair	
344	<i>Quercus lobata</i>	Valley oak	No	7.9	0.0	0.0	0.0	0.0	7.9	Heritage Tree	No Impact	15	30	Fair	Fair	Fair	
345	<i>Quercus lobata</i>	Valley oak	No	7.6	0.0	0.0	0.0	0.0	7.6	Heritage Tree	No Impact	15	35	Fair	Fair	Fair	No tag. Estimated DBH. Covered in poison oak.
346	<i>Quercus lobata</i>	Valley oak	Yes	7.8	8.5	4.0	0.0	0.0	20.3	Heritage Tree	No Impact	20	38	Fair	Fair	Fair	
347	<i>Quercus lobata</i>	Valley oak	No	6.5	0.0	0.0	0.0	0.0	6.5	Heritage Tree	No Impact	10	30	Fair	Fair	Fair	
348	<i>Quercus lobata</i>	Valley oak	Yes	8.0	7.2	0.0	0.0	0.0	15.2	Heritage Tree	No Impact	15	30	Fair	Fair	Fair	
349	<i>Quercus lobata</i>	Valley oak	No	6.3	0.0	0.0	0.0	0.0	6.3	Heritage Tree	No Impact	10	30	Fair	Fair	Fair	
350	<i>Quercus lobata</i>	Valley oak	No	7.0	0.0	0.0	0.0	0.0	7.0	Heritage Tree	No Impact	15	30	Fair	Fair	Fair	
351	<i>Quercus lobata</i>	Valley oak	Yes	8.0	7.1	0.0	0.0	0.0	15.1	Heritage Tree	No Impact	15	35	Fair	Fair	Fair	
352	<i>Quercus lobata</i>	Valley oak	No	7.8	0.0	0.0	0.0	0.0	7.8	Heritage Tree	No Impact	15	35	Fair	Fair	Fair	
353	<i>Quercus lobata</i>	Valley oak	No	8.8	0.0	0.0	0.0	0.0	8.8	Heritage Tree	No Impact	15	30	Fair	Fair	Fair	
354	<i>Quercus lobata</i>	Valley oak	No	9.0	0.0	0.0	0.0	0.0	9.0	Heritage Tree	No Impact	10	30	Fair	Fair	Fair	
355	<i>Quercus lobata</i>	Valley oak	No	8.8	0.0	0.0	0.0	0.0	8.8	Heritage Tree	No Impact	15	35	Fair	Fair	Fair	
356	<i>Quercus lobata</i>	Valley oak	No	6.6	0.0	0.0	0.0	0.0	6.6	Heritage Tree	No Impact	8	30	Fair	Fair	Fair	



Tag ID	Species	Common Name	Multi-stem	DBH_1	DBH_2	DBH_3	DBH_4	DBH_5	Total DBH (inches)	Ordinance Status	Potential Impact	Dripline (feet)	Height (feet)	Condition	Health	Structure	Comment
357	<i>Quercus lobata</i>	Valley oak	No	6.3	0.0	0.0	0.0	0.0	6.3	Heritage Tree	No Impact	10	30	Fair	Fair	Fair	
358	<i>Quercus lobata</i>	Valley oak	No	8.1	0.0	0.0	0.0	0.0	8.1	Heritage Tree	No Impact	20	30	Fair	Fair	Fair	
359	<i>Quercus lobata</i>	Valley oak	No	9.2	0.0	0.0	0.0	0.0	9.2	Heritage Tree	No Impact	10	30	Fair	Fair	Fair	
360	<i>Quercus lobata</i>	Valley oak	No	8.1	0.0	0.0	0.0	0.0	8.1	Heritage Tree	No Impact	20	27	Fair	Fair	Fair	
361	<i>Quercus lobata</i>	Valley oak	Yes	4.5	6.0	0.0	0.0	0.0	10.5	Heritage Tree	No Impact	10	25	Fair	Fair	Fair	

APPENDIX B

TREE SURVEY MAP

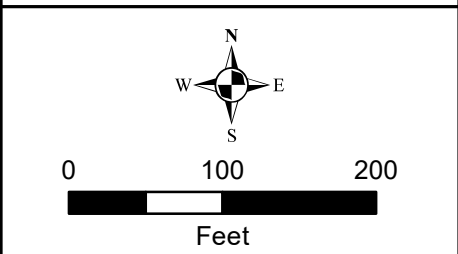
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Roseland Creek
Community Park

Sonoma County,
California

Attachment B.
Heritage Tree
Survey



Map Prepared Date: 2/21/2019
Map Prepared By: smortensen
Base Source: Esri - Santa Rosa 2015
Data Source(s): WRA

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APPENDIX C

REPRESENTATIVE PHOTOGRAPHS

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Tree #3. 43.0" DBH valley oak(*Quercus lobata*) in the southern portion of the Study Area adjacent to Roseland Creek.



Tree # 113. 61.5" DBH valley oak(*Quercus lobata*) in the southeastern portion of the Study Area.



Tree #47. 39.0" DBH valley oak(*Quercus lobata*) in the southern portion of the Study Area.



Representative photo of tree spacing in northern portion of the Study Area.