

MEMO

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Date:

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Arcadis Project No.:

RV009362.0003

Subject:

Certified Arborist Report: 4224 Highway 12, Santa Rosa, Ca

A certified arborist tree survey was completed at 4224 Highway 12, Santa Rosa, California on June 8th, 2018 by ISA Certified Arborist Joshua Tallis (#WE-11583A). This report and associated attachments documents the findings of this survey.

Site Description

The site at 4224 Highway 12, Santa Rosa, California contains a single-family home and several outbuildings on a flat weedy lot. The southeast end of the parcel contains a fence which separates the disturbed northwestern portion ("onsite") from a southeast facing slope with dense native vegetation ("offsite"; Attachment 1). Further southeast the parcel contains a public pedestrian walkway which is mowed on either side and does not contain trees. This survey does not include trees east of the pedestrian walkway.

Methodology

1. Identify each tree species.
2. Mark the general location of each tree species subject to permitting on a site map.
3. Measure each trunk circumference at 4.5 feet above grade using a diameter at breast height tape.
4. Evaluate the health and structure of each tree.

City of Santa Rosa

SEP 04 2018

Planning & Economic
Development Department

Summary of Findings

On June 8th, 2018 Joshua Tallis conducted a survey of 69 trees that could require permits to remove or disturb under the City of Santa Rosa Tree Ordinance, Chapter 17-24. These trees included one Big Leaf Maple (*Acer macrophyllum*), four Black Elderberry (*Sambucus nigra*), five California Bay (*Umbellularia californica*), 54 Coast Live Oak (*Quercus agrifolia*), one Northern California Black Walnut (*Juglans hindsii*), three Valley Oak (*Quercus lobata*), and one Western Sycamore (*Platanus racemosa*). Only trees greater than three inches diameter at breast height were recorded (Tables 1 and 2).

Tree species that are exempt from permit requirements under Santa Rosa's tree removal and preservation ordinance were not assessed but locations were documented on Attachment 1. The exempt species observed were Ligustrums, Monterey pine (*Pinus radiata*), and fruit and nut trees (excluding northern California black walnut).

Attachments

Table 1: Arborist Report Tree Summary

Table 2: Arborist Report Tree Findings

Attachment 1: Tree Location Map

Table 1
Arborist Report Tree Summary
4224 CA-12, Santa Rosa, CA 95409

Tree Quantity by Species	
Species	Quantity
Big Leaf Maple / <i>Acer macrophyllum</i>	1
Black Elderberry / <i>Sambucus nigra</i>	4
California Bay / <i>Umbellularia californica</i>	5
Coast Live Oak / <i>Quercus agrifolia</i>	54
Northern California Black Walnut / <i>Juglans hindsii</i>	1
Valley Oak / <i>Quercus lobata</i>	3
Western Sycamore / <i>Platanus racemosa</i>	1
Total	69
Tree Quantity by Size	
DBH	Quantity
<6"	23
6-12"	32
12-18"	10
18+"	4
Total	69
Note: Multi-trunk trees quantity based on single largest trunk	
Tree Quantity by Location	
Location	Quantity
Onsite/ Inside fence	25
Offsite/ Outside eastern fence	44
Total	69

Table 2
Arborist Report Tree Findings
4224 CA-12, Santa Rosa, CA 95409

Tree #	Species	Trunk Diameter (In.)	General Condition	Structural Integrity	Recommendations
1	Western Sycamore/ <i>Platanus racemosa</i>	33"	Excellent	Good. Small portion of canopy in power lines. English ivy grows up trunk into canopy.	To be removed for construction
2	Coast Live Oak/ <i>Quercus agrifolia</i>	5"	Excellent	Excellent	To be removed for construction
3	Coast Live Oak/ <i>Quercus agrifolia</i>	7"	Excellent	Good	To be removed for construction
4	Valley Oak/ <i>Quercus lobata</i>	5"	Excellent	Good. Light competition causes tree to lean.	To be removed for construction
5	Coast Live Oak/ <i>Quercus agrifolia</i>	8.5"	Good	Good. Light competition causes tree to lean.	To be removed for construction
6	Coast Live Oak/ <i>Quercus agrifolia</i>	12"	Good	Good	To be removed for construction
7	Coast Live Oak/ <i>Quercus agrifolia</i>	7.5"	Good	Good	To be removed for construction
8	Coast Live Oak/ <i>Quercus agrifolia</i>	16"	Excellent	Good. Relatively straight trunk.	To be removed for construction
9	Coast Live Oak/ <i>Quercus agrifolia</i>	7.5"	Good	Poor. Leaning due to light competition.	To be removed for construction
10	Coast Live Oak/ <i>Quercus agrifolia</i>	10.5"	Good	Poor. Leaning due to light competition.	To be removed for construction
11	Coast Live Oak/ <i>Quercus agrifolia</i>	9"	Good	Good. Leaning due to light competition.	To be removed for construction
12	Coast Live Oak/ <i>Quercus agrifolia</i>	Good	Good	Good. Leaning due to light competition.	To be removed for construction
13	Big Leaf Maple/ <i>Acer macrophyllum</i>	7"	Poor	Poor. Cracked trunk and leaning due to light competition.	To be removed for construction
14	Coast Live Oak/ <i>Quercus agrifolia</i>	15"	Excellent	Excellent	To be removed for construction
15	Coast Live Oak/ <i>Quercus agrifolia</i>	11"	Good/ Excellent	Excellent	Outside fence
16	Coast Live Oak/ <i>Quercus agrifolia</i>	30"	Good/ Excellent	Excellent	Outside fence
17	Coast Live Oak/ <i>Quercus agrifolia</i>	9"/11"/12"	Good	Poor	Outside fence
18	Coast Live Oak/ <i>Quercus agrifolia</i>	14"	Good	Good/Poor. Light deprived.	Outside fence
19	Coast Live Oak/ <i>Quercus agrifolia</i>	5"/5"/5"/5"/5"	Good	Good	Outside fence
20	Coast Live Oak/ <i>Quercus agrifolia</i>	8"	Good/Poor.	Good. Light deprived.	Outside fence
21	Coast Live Oak/ <i>Quercus agrifolia</i>	12"/16"/9"/14"	Good	Good	Outside fence
22	Coast Live Oak/ <i>Quercus agrifolia</i>	3"	Good	Good	Outside fence
23	Coast Live Oak/ <i>Quercus agrifolia</i>	5"	Good	Poor. Leaning.	Outside fence
24	Coast Live Oak/ <i>Quercus agrifolia</i>	10"	Good	Good	Outside fence

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4224 CA-12, Santa Rosa, CA 95409

Tree #	Species	Trunk Diameter (In.)	General Condition	Structural Integrity	Recommendations
25	Coast Live Oak/ <i>Quercus agrifolia</i>	12"	Good	Good/Poor. Has some injury.	Outside fence
26	Coast Live Oak/ <i>Quercus agrifolia</i>	7"	Good	Good	Outside fence
27	Coast Live Oak/ <i>Quercus agrifolia</i>	25"	Good	Good	Outside fence
28	Coast Live Oak/ <i>Quercus agrifolia</i>	10"	Good	Good	Outside fence
29	Coast Live Oak/ <i>Quercus agrifolia</i>	5"	Good	Poor	Outside fence
30	Coast Live Oak/ <i>Quercus agrifolia</i>	9"	Good	Good	Outside fence
31	Coast Live Oak/ <i>Quercus agrifolia</i>	14"/5"/5"	Good	Good/Poor. One trunk injured and oozing.	Outside fence
32	Coast Live Oak/ <i>Quercus agrifolia</i>	5"	Good	Good	Outside fence
33	Coast Live Oak/ <i>Quercus agrifolia</i>	3"	Good	Good	Outside fence
34	California Bay/ <i>Umbellularia californica</i>	8"	Good	Good	Outside fence
35	California Bay/ <i>Umbellularia californica</i>	10"	Good	Good	Outside fence
36	California Bay/ <i>Umbellularia californica</i>	7"/7"/7"/5"/10"/7"	Good	Good	Outside fence
37	California Bay/ <i>Umbellularia californica</i>	4"	Good	Good	Outside fence
38	Coast Live Oak/ <i>Quercus agrifolia</i>	5"	Good	Good	Outside fence
39	Coast Live Oak/ <i>Quercus agrifolia</i>	11"	Good	Good	Outside fence
40	Black Elderberry/ <i>Sambucus nigra</i>	3"	Poor	Poor. Many dead trunks.	Outside fence
41	Black Elderberry/ <i>Sambucus nigra</i>	11"	Poor	Poor. Trunk hollowed out from rot with a portion of cambium still growing.	Outside fence
42	Black Elderberry/ <i>Sambucus nigra</i>	13"	Poor	Poor. Portions of trunk is dead.	Outside fence
43	Coast Live Oak/ <i>Quercus agrifolia</i>	4.5"	Good	Good	Outside fence
44	Coast Live Oak/ <i>Quercus agrifolia</i>	4.5"	Good	Good	Outside fence
45	Valley Oak/ <i>Quercus lobata</i>	4"	Good	Good	Outside fence
46	Coast Live Oak/ <i>Quercus agrifolia</i>	10"	Good	Good	Outside fence
47	California Bay/ <i>Umbellularia californica</i>	2.5"	Good	Good	Outside fence
48	Coast Live Oak/ <i>Quercus agrifolia</i>	10"	Good/poor	Multi-stem close together.	Outside fence

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4224 CA-12, Santa Rosa, CA 95409

Tree #	Species	Trunk Diameter (In.)	General Condition	Structural Integrity	Recommendations
49	Coast Live Oak/ <i>Quercus agrifolia</i>	6"/6"/6"	Good	Good	Outside fence
50	Black Elderberry/ <i>Sambucus nigra</i>	4"	Good	Good	Outside fence
51	Coast Live Oak/ <i>Quercus agrifolia</i>	4"/6"/5"/5"/5"	Good	Good	Outside fence
52	Coast Live Oak/ <i>Quercus agrifolia</i>	5"/6"/6"	Good	Good	Outside fence
53	Coast Live Oak/ <i>Quercus agrifolia</i>	5"	Good	Good	Outside fence
54	Coast Live Oak/ <i>Quercus agrifolia</i>	8"	Good	Good	Outside fence
55	Coast Live Oak/ <i>Quercus agrifolia</i>	4"	Good	Good	Outside fence
56	Valley Oak/ <i>Quercus lobata</i>	3"	Good	Good	Outside fence
57	Coast Live Oak/ <i>Quercus agrifolia</i>	10"	Poor	Poor. Tree is fallen but alive. Portions have been cut off. Tree should be removed.	Outside fence
58	Northern California Black Walnut/ <i>Juglans hindsii</i>	5"	Good	Good	Outside fence
59	Coast Live Oak/ <i>Quercus agrifolia</i>	6"	Excellent	Good	To be removed for construction
60	Coast Live Oak/ <i>Quercus agrifolia</i>	4"	Excellent	Good	To be removed for construction
61	Coast Live Oak/ <i>Quercus agrifolia</i>	5"	Good	Good	To be removed for construction
62	Coast Live Oak/ <i>Quercus agrifolia</i>	4"	Good	Good	To be removed for construction
63	Coast Live Oak/ <i>Quercus agrifolia</i>	7"/11"	Good	Good	To be removed for construction
64	Coast Live Oak/ <i>Quercus agrifolia</i>	14"	Good	Good	To be removed for construction
65	Coast Live Oak/ <i>Quercus agrifolia</i>	20"	Good	Good, but can't access tree well to assess health.	To be removed for construction
66	Coast Live Oak/ <i>Quercus agrifolia</i>	8"	Good	Good/Poor. Leaning due to light competition.	To be removed for construction
67	Coast Live Oak/ <i>Quercus agrifolia</i>	7"	Good	Good	To be removed for construction
68	Coast Live Oak/ <i>Quercus agrifolia</i>	9"/11"	Good	Good	To be removed for construction
69	Coast Live Oak/ <i>Quercus agrifolia</i>	6"/3"	Good	Good	To be removed for construction

Google Maps 4224 California 12, Santa Rosa, CA



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