

WILSON & ASSOCIATES**LANDSCAPE ARCHITECTURE**

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Date: March 26, 2022, Revised June 22, 2022 and May 1, 2023

Re: Arborist Report
1434 Grove Way
Hayward, CA 94546

Memo:

At the request of Sterling Consultants, we evaluated the existing trees at the above referenced address on the morning of March 26, 2022. Refer to the attached site sketch and photos. Refer to the separate site survey for more information on the existing conditions.

The site is a fairly level one third acre +/- with an existing residence at the front of the site, a couple of outbuildings and several trees and shrubs. Most of the site was vacant.

Per City of Hayward definition, “Protected” trees are California native trees on private property with a trunk diameter equal or larger than four inches and non-native trees with a trunk diameter equal or larger than eight inches. Protected trees would need a tree removal permit from the City of Hayward. Per this definition all of the existing trees noted below are protected trees.

The smaller trees (under 4” caliper) and other plants and shrubs on-site were not inventoried or evaluated, but are shown in some of the photos below. There was no evidence of existing supplemental irrigation to any of the trees or any particular care or maintenance of the existing landscape or trees. Most of the trees appeared to be seedling sprouts or “volunteers” except the four Redwood trees along the northeast property line which appeared to be intentionally planted. Two of the trees in the table below are immediately off-site on adjacent properties. Tree number 1 overhangs the subject property substantially and any proposed development should take that into consideration.

“DBH” in the table below refers to “Diameter at Breast Height”, the trunk diameter (caliper) at 4.5 feet above grade. These sizes are based on field checks by Wilson & Associates.

Table of Existing Trees

Tree Number	Botanical / Common Name	DBH	Condition	Protected Tree	Comments
1	Cedrus deodara / Deodar Cedar	18”	Good	Yes	Off-site to the southwest.
2	Syagrus romanzoffianum / Queen Palm	12”	Good	Yes	Could possibly be relocated. <i>To be removed.</i>
3	Fraxinus spp. / Ash	6”, 6”	Good	Yes	Narrow crotch angle. Potential hazard. <i>To be removed.</i>
4	Washingtonia robusta / Mexican Fan Palm	18”	Good	Yes	Medium size volunteer. Something of an undesirable weed. <i>To be removed.</i>

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5	Fraxinus spp. / Ash	8", 7", 6"	Fair	Yes	Could eventually conflict with overhead power lines. <i>To be removed.</i>
6	Sequoia sempervirens / Coast Redwood	5"	Fair. Crowded by adjacent Ash.	Yes	<i>To be removed.</i>
7	Sequoia sempervirens / Coast Redwood	12"	Good	Yes	<i>To be removed.</i>
8	Sequoia sempervirens / Coast Redwood	5"	Good	Yes	<i>To be removed.</i>
9	Sequoia sempervirens / Coast Redwood	4"	Good	Yes	<i>To be removed.</i>
10	Sequoia sempervirens / Coast Redwood	8"	Good	Yes	<i>To be removed.</i>
11	Prob. Juglans var./ Walnut (out of leaf, uncertain identification)	18"	Good	Yes	<i>To be removed.</i>
12	Schinus molle / California Pepper Tree	10"	Fair to Good	Yes	On adjacent property to the northwest.

Tree Appraisals

Per City requirements, the following are value appraisals of the existing trees. Trees number 2 and 4, the palm trees, were valued separately as shown. For the remainder of the trees, using the ISA (International Society of Arboriculture) "Trunk Formula Method", the values of the existing trees was determined as follows.

$$V = (RC + ((BP \times (ATA - ATr))) \times SR \times CR \times LR$$

Assume:

V = Value (rounded)

RC = Replacement Cost = \$1,800.00

BP = Base Price = \$69.00

TA=Trunk Area = As shown below

ATA-ATr = Adjusted Trunk Area – Adjusted Trunk replacement value for trees over 30" DBH.

None for this evaluation.

Species Rating = As shown below

Condition Rating = As shown below

Location Rating =As shown below

On-Site Trees, Numbers 2 through 11

Tree No. 2. Queen Palm. To remain. 9' clear trunk at \$180.00 per foot = \$1,600.00. As noted, this tree could possibly be preserved or relocated on-site. *Per latest landscape plans, this tree is to be removed.*

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Tree No. 4. Mexican Fan Palm. Little to no value, *but given a nominal value of \$100.00*. Weed tree. Could possibly be preserved or relocated on-site, but this is not recommended. *Per latest landscape plans, this tree is to be removed.*

Tree No. 3. Ash. Multi 6", 6" caliper. Trunk area = square root of trunk stems squared = 8".

Species Rating = 0.8

Condition Rating = 0.7

Location Rating = 0.5

$V=(1,800+(69 \times 50)) \times 0.8 \times 0.7 \times 0.5$

V=\$1,500.00

Per latest landscape plans, this tree is to be removed.

Tree No. 5. Ash. Multi 8", 7" 6" caliper. Trunk area = square root of trunk stems squared = 12"

Species Rating = 0.8

Condition Rating = 0.7

Location Rating = 0.5

$V=(1,800+(69 \times 113)) \times 0.8 \times 0.7 \times 0.5$

V=\$2,700.00

Per latest landscape plans, this tree is to be removed.

Tree No. 6. Redwood. 5" caliper.

Species Rating = 0.8

Condition Rating = 0.8

Location Rating = 0.6

$V=(1,800+(69 \times 20)) \times 0.8 \times 0.8 \times 0.6$

V=\$1,100.00

Per latest landscape plans, this tree is to be removed.

Trees Number 7, 8, 9 and 10 are probably the best candidates for preservation in the current location on-site due to location, condition and species. This would depend on the site development proposal. *Per latest landscape plans, this tree is to be removed.*

Tree No. 7. Redwood. 12" caliper.

Species Rating = 0.8

Condition Rating = 0.8

Location Rating = 0.7

$V=(1,800+(69 \times 113)) \times 0.8 \times 0.8 \times 0.7$

V=\$2,300.00

Per latest landscape plans, this tree is to be removed.

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Tree No. 8. Redwood. 5" caliper.

Species Rating = 0.8

Condition Rating = 0.8

Location Rating = 0.7

 $V=(1,800+(69 \times 20) \times 0.8 \times 0.8 \times 0.7$ $V=\$1,500.00$ *Per latest landscape plans, this tree is to be removed.*

Tree No. 9. Redwood. 4" caliper.

Species Rating = 0.8

Condition Rating = 0.8

Location Rating = 0.7

 $V=(1,800+(69 \times 13) \times 0.8 \times 0.8 \times 0.7$ $V=\$1,200.00$ *Per latest landscape plans, this tree is to be removed.*

Tree No. 10. Redwood. 8" caliper.

Species Rating = 0.8

Condition Rating = 0.8

Location Rating = 0.7

 $V=(1,800+(69 \times 50) \times 0.8 \times 0.8 \times 0.7$ $V=\$2,300.00$ *Per latest landscape plans, this tree is to be removed.*

Tree No. 11. Walnut. 18"

Species Rating = 0.1

Condition Rating = 0.7

Location Rating = 0.7

 $V=(1,800+(69 \times 254) \times 0.1 \times 0.7 \times 0.7$ $V=\$950.00$ *This tree is shown to remain on the landscape plans dated 3/16/23, but per the City comments dated April 24, 2023, we recommend that this tree be removed.***Off-Site Trees. Numbers 1 and 12**

Tree No. 1. Deodar Cedar. 18" caliper.

Species Rating = 0.8

Condition Rating = 0.7

Location Rating = 0.8

 $V=(1,800+(69 \times 254) \times 0.8 \times 0.7 \times 0.8$ $V=\$8,700.00$ *See the latest landscape plan for information on the location of the proposed monument sign.*

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Tree No. 12. California Pepper Tree. 10" caliper.

Species Rating = 0.5

Condition Rating = 0.5

Location Rating = 0.5

$V=(1,800+(69 \times 79) \times 0.5 \times 0.5 \times 0.5)$

$V=\$900.00$

The total appraised value per the ISA formula for the on-site trees would thus be \$15,250.00 or \$15,000.00 rounded.

Notes

We have not reviewed any potential development proposals for this site, but some existing trees could possibly be preserved and left in place with normal protection measures performed. In particular, the four Redwood trees, numbers 7, 8, 9, and 10, would be worthy of preservation. The Queen Palm tree number 2 could possibly be relocated. The Deodar Cedar on the adjacent property overhangs this property and any development should take that into consideration. The other existing trees are not particularly special or of high value.

The landscape and architectural plans prepared by Gates + Associates and Molinar Home Design Architecture were received and reviewed. The latest proposed tree removals based on these plans and the latest City comments are incorporated into this document.

Please contact us with any questions.

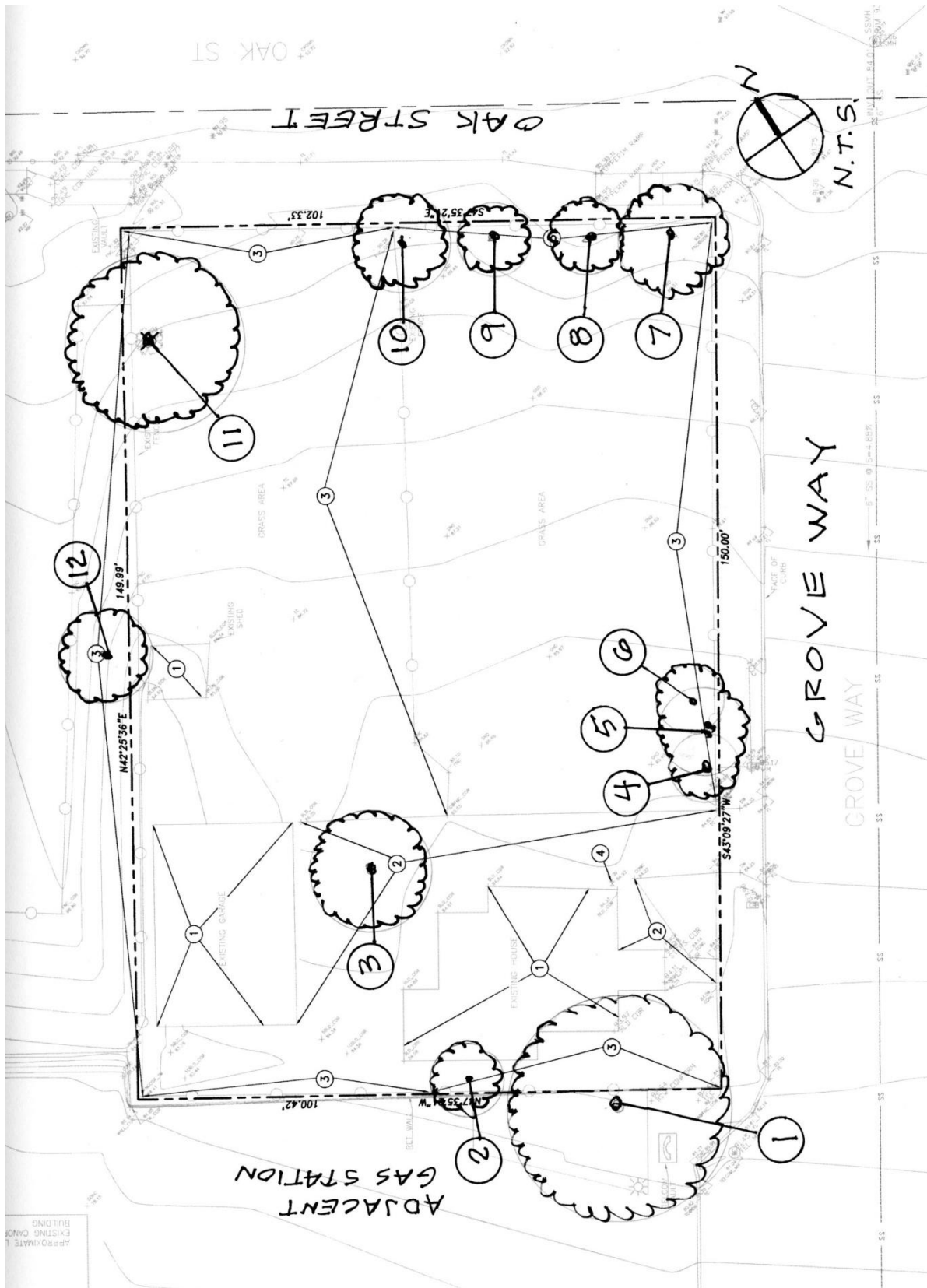
Sincerely,



Charles Wilson

Landscape Architect No. 1682

ISA Certified Arborist WE-7138A



1434 Grove Way. Sketch of Site.



Tree 1. Deodar Cedar. Off-Site.



Tree 2. Queen Palm.



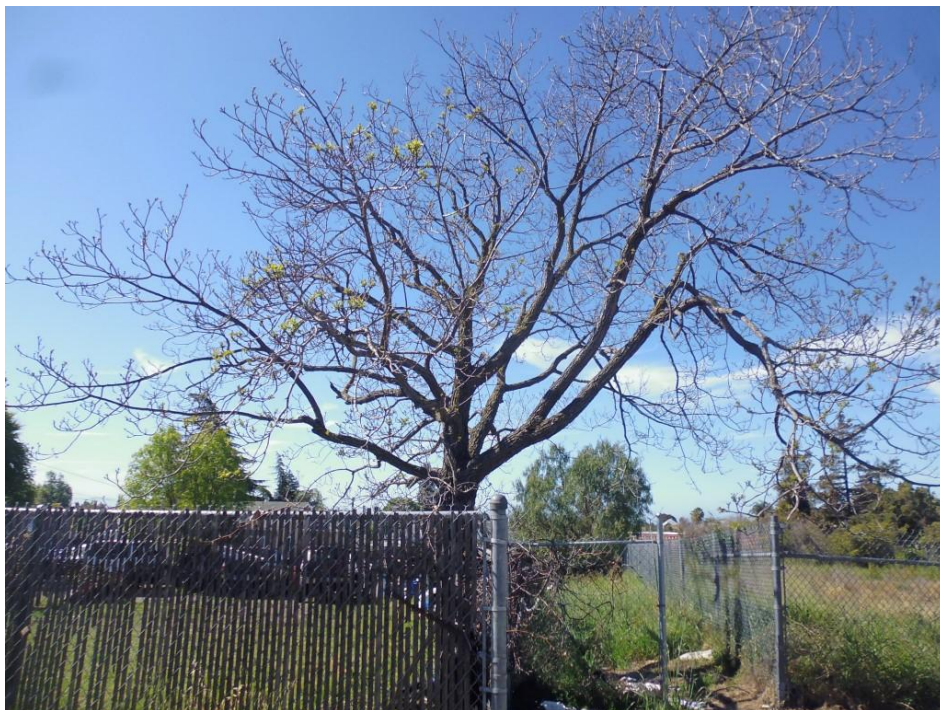
Tree 3. Ash.



Trees 4, and 5. Mexican Fan Palm and Ash.



Tree 7, 8, 9, and 10. Coast Redwood Trees.



Tree 11. Walnut (?)



Tree 12. California Pepper Tree. Off-Site to Northwest.