

Will Green – ISA Certified Arborist WE-13870A

Arborist Consultation Services

July 17, 2023

Updated from previous March 2023

Arborist Report: 22872 Main Street, Hayward, CA

Prepared For: Paulomi Upadhyay.

Project Address: 22872 Main Street
Hayward, CA 94541

Summary:

The project location is located at 22872 Main Street, Hayward, CA – parcel no. 427-0001-046-01. The project site is located on the corner of Main Street and Armstrong Street. The intent with this report is to provide species, general information on the trees shown on the site plan and identify trees based on Google imagery (*imagery dated March 2022*), and existing site survey information. An assessment was provided for each tree, based solely on Google Earth imagery, and site survey information, as the trees have all been removed from the project site.

A total of 9 trees were counted and assessed. 4 trees are *Pyrus kawakamii* with an 8” caliper, and 3 trees are *Olea europaea* multi, with 8” trunks. Specifics for each tree are noted within the data sheets. Included with this report is a tree location map, identifying trees by number which correlate to the data included with this report.

Trees were evaluated for general condition and health/vigor, structure, and form. Observed defects were noted, and DBH (Diameter at breast height – 4.5 feet) recorded along with approximate height. Trees were rated either Excellent, Good, Fair, Fair to Poor, Poor, or Missing/Dead. These ratings were given for form, health/vigor, and structure. Ratings were given based on the guidelines set in the Guide for Plant Appraisal, 10th Edition, by the Council of Tree and Landscape Appraisers (CTLA). These ratings were then computed into tree assessment values, using the trunk formula method, for all the trees. Basic cost values for the trees were based on current pricing for largest available trees, along with appropriate depreciation based on condition and considerations for functional limitations (such as moderate to severe impacts to sidewalk and street surface) as outlined by the CTLA.

Rating Chart (Form/Structure/Vigor):

Number 5 (100%*): Excellent. Trees with no problems

Number 4 (80%*): Good. Trees with no apparent problems

Number 3 (60%*): Fair. Trees with minor issues.

Number 2 (40%*): Fair to poor. Trees with major issues

Number 1 (20%*): Poor. Trees with extreme issues/possible hazard

Number 0: Dead/Missing.

*(*percentages are used in calculating condition rating in trunk formula technique)*

Tree Preservation Recommendations:

Protecting tree roots is the main priority for all trees to remain, especially within the construction areas. A project arborist shall establish and set a Tree Protection Zone (TPZ) for each tree to be preserved within the project construction area. No construction activities, parking, materials storage, etc. shall be conducted within the TPZ.

Tree protection fencing shall be provided, and as designated by project arborist, typically at the tree dripline. Tree protection fencing shall adhere to standards set by local and state codes. Tree protection fencing shall remain in place during the construction.

There shall be no grading or fill within the TPZ.

Trenching for utility lines, shall be designed to avoid the drip lines of trees to remain.

Any trenching in or around the trees shall be given extreme care with respect to existing roots 2 inches or greater. Roots 2 inches or larger shall not be cut without the supervision of a certified arborist. Any digging within Tree Protection Zones shall be completed by hand, air spade, air knife devices, or hand tools.

There shall be no concrete washout or dumping of any toxic materials within the Tree Protection Zone.

If there are any question with this report, please don't hesitate to contact me.

Thank you,



Will Green

ISA Certified Arborist WE 13870A

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Trees 1 to 4, from left to right. *Pyrus kawakamii* in fair *condition, form, and structure*. Planted in narrow planter.



Tree 5 – *Olea europaea* (Olive) in fair condition, structure and form.



Tree 6, *Olea europaea*, in fair *condition, form, and structure*.



Tree 7, *Olea europaea* with fair *structure* and *form*. Fair to poor *condition* likely due to proximity to utility box.

Tree Collection Data 22872 Main Street, Hayward CA 94541

Collection Date: March 30, 2023 via Civil measurements and Google imagery. Google imagery dated: March 2022

Tree #	Name	DBH	Approx Height	Structure	Form	Overhall Condition/Vigor	Suitability/Notes	Assessed Value
1	Pyrus kawakamii	8"	15-20'	3	3	3 - Fair, small planter	Tree has been removed	\$ 482.00
2	Pyrus kawakamii	8"	15-20'	3	3	3 - Fair, small planter	Tree has been removed	\$ 482.00
3	Pyrus kawakamii	8"	15-20'	3	3	3 - Fair, small planter	Tree has been removed	\$ 482.00
4	Pyrus kawakamii	8"	15-20'	3	3	3 - Fair, small planter	Tree has been removed	\$ 482.00
5	Olea europea	8" + 8" + 8"	15-20'	3	3	3 - Fair to good	Tree has been removed	\$ 694.82
6	Olea europea	8" + 8" + 8"	15-20'	3	3	3 - Fair to good	Tree has been removed	\$ 694.82
7	Olea europea	8" + 8" + 8"+8"	15-20'	3	3	2 - Fair to poor	Tree has been removed	\$ 468.00
8	Ginkgo biloba	1.5"	5-8'	0	2	1 - likely dead	Tree has been removed, appears to be dead according to imagery	\$ -
9	Ginkgo biloba	2"	8-10'	4	4	4	Tree has been removed	\$ 151.04

Total Tree Assessed Value \$ 3,936.68

Reproduction Method Trunk Formula Technique

Client name Paulomi Upadhyay Date 7/17/23 Case # _____

Phone _____ E-mail _____

Address 22872 Main St. Hayward, CA 94541

Subject tree

Species Pyrus kawakamii - Trees 1, 2, 3, 4

1. Trunk diameter* (D) 8" @ 54"

2. Cross-sectional area (line 1)² × 0.7854 50.27 in²

3. Condition rating 21.6 %

Health fair 60%

Structure fair 60%

Form fair 60%

4. Functional limitations Small planter space 40 %

5. External limitations _____ %

Replacement tree

Species Pyrus kawakamii - 36" Box

6. Trunk diameter* (D) 3" @ 54"

7. Cross-sectional area (line 6)² × 0.7854 7.07 in²

8. Replacement tree cost Source: Urban Tree Farm, Santa Rosa 785.00
urban tree farm.com

Calculations

9. Unit tree cost (line 8 / line 7 or RPAC) 111.03

10. Basic reproduction cost (line 2 × line 9) 5581.60

11. Depreciated reproduction cost[^] (line 10 × line 3 × line 4 × line 5) 482.25

Additional costs

Cleanup _____ \$ _____

Replacement tree installation _____ \$ _____

Aftercare _____ \$ _____

12. Total additional costs \$ _____

13. Total reproduction cost (line 11 + line 12) \$ _____

14. Rounded \$ _____

* Diameter and cross-sectional area may be replaced with plant area, volume, or height as appropriate.

[^] Apply depreciation if it is appropriate for the assignment.

Reproduction Method Trunk Formula Technique

Client name Paulomi Upadhyay Date 7/17/23 Case # _____

Phone _____ E-mail _____

Address 22872 Main St. Hayward, CA 94541

Subject tree

Species Olea europaea Tree # 5, 6

1. Trunk diameter* (D) 8" + 8" + 8" @ 54
2. Cross-sectional area (line 1)² × 0.7854 (50.26 × 3) = 150.8 → $\sqrt{150.8} \times$ 12.28 in²
3. Condition rating 21.6 %
 - Health fair 60%
 - Structure fair 60%
 - Form fair 60%
4. Functional limitations overhead wires, planting space 80 %
5. External limitations _____ %

Replacement tree

Species Olea europaea 'Swan Hill' 48" Box

6. Trunk diameter* (D) 3.50 @ 54
7. Cross-sectional area (line 6)² × 0.7854 9.62 in²
8. Replacement tree cost Source: Urban Tree Farm \$ 3150

Calculations

9. Unit tree cost (line 8 / line 7 or RPAC) \$ 327.44
10. Basic reproduction cost (line 2 × line 9) \$ 4021.25
11. Depreciated reproduction cost[^] (line 10 × line 3 × line 4 × line 5) \$ 694.82

Additional costs

- Cleanup _____ \$ _____
- Replacement tree installation _____ \$ _____
- Aftercare _____ \$ _____
- 12. Total additional costs \$ _____
- 13. Total reproduction cost (line 11 + line 12) \$ _____
- 14. Rounded \$ _____

* Diameter and cross-sectional area may be replaced with plant area, volume, or height as appropriate.

[^] Apply depreciation if it is appropriate for the assignment.

Reproduction Method Trunk Formula Technique

Client name Paulomi Upadhyay Date 7/17/23 Case # _____
 Phone _____ E-mail _____
 Address 22872 Main St. Hayward, CA 94541

Subject tree

Species Olea europaea Tree #7

1. Trunk diameter* (D) 8" + 8" + 8" + 8" @ 54
2. Cross-sectional area (line 1)² × 0.7854 50.26 × 4 = 201.04 $\sqrt{201.04}$ 14.18 in²
3. Condition rating 14.4 %

Health poor 40%

Structure fair 60%

Form fair 60%
4. Functional limitations overhead wire, planting space, box 70 %
5. External limitations _____ %

Replacement tree

Species Olea europaea 'Swan Hill' 48" Box

6. Trunk diameter* (D) 3.50" @ 54
7. Cross-sectional area (line 6)² × 0.7854 9.62 in²
8. Replacement tree cost Source: Urban Tree Farm \$ 3150

Calculations

9. Unit tree cost (line 8 / line 7 or RPAC) \$ 327.44
10. Basic reproduction cost (line 2 × line 9) \$ 4643.00
11. Depreciated reproduction cost[^] (line 10 × line 3 × line 4 × line 5) \$ 468.00

Additional costs

Cleanup _____ \$ _____

Replacement tree installation _____ \$ _____

Aftercare _____ \$ _____

12. Total additional costs \$ _____
13. Total reproduction cost (line 11 + line 12) \$ _____
14. Rounded \$ _____

* Diameter and cross-sectional area may be replaced with plant area, volume, or height as appropriate.

[^] Apply depreciation if it is appropriate for the assignment.

Reproduction Method Trunk Formula Technique

Client name Paulomi Upadhyay Date 7/17/23 Case # _____

Phone _____ E-mail _____

Address 22872 Main St. Hayward, CA 94541

Subject tree

Species Ginkgo biloba Tree #8

1. Trunk diameter* (D) 1.5" @ 54

2. Cross-sectional area (line 1)² × 0.7854 .44 in²

3. Condition rating 0 %

Health 20%

Structure 40%

Form 0%

4. Functional limitations _____ %

5. External limitations _____ %

Replacement tree

Species Ginkgo b. 'Autumn Gold' 24" Box

6. Trunk diameter* (D) 2" @ 54

7. Cross-sectional area (line 6)² × 0.7854 3.14 in²

8. Replacement tree cost Source: Urban Tree Farm \$ 295.00

Calculations

9. Unit tree cost (line 8 / line 7 or RPAC) \$ 93.94

10. Basic reproduction cost (line 2 × line 9) \$ 0

11. Depreciated reproduction cost[^] (line 10 × line 3 × line 4 × line 5) \$ 0

Additional costs

Cleanup _____ \$ _____

Replacement tree installation _____ \$ _____

Aftercare _____ \$ _____

12. Total additional costs \$ _____

13. Total reproduction cost (line 11 + line 12) \$ _____

14. Rounded \$ _____

* Diameter and cross-sectional area may be replaced with plant area, volume, or height as appropriate.

[^] Apply depreciation if it is appropriate for the assignment.

Reproduction Method Trunk Formula Technique

Client name Paulomi Upadhyay Date 7/17/23 Case # _____
 Phone _____ E-mail _____
 Address 22872 Main St. Hayward, CA 94541

Subject tree

Species Ginkgo biloba Tree # 9
 1. Trunk diameter* (D) 2" @ 54
 2. Cross-sectional area (line 1)² × 0.7854 3.14 in²
 3. Condition rating 51.2 %
 Health good 80%
 Structure good 80%
 Form good 80%
 4. Functional limitations _____ %
 5. External limitations _____ %

Replacement tree

Species Ginkgo b. 'Autumn Gold'
 6. Trunk diameter* (D) 2 @ 54
 7. Cross-sectional area (line 6)² × 0.7854 3.14 in²
 8. Replacement tree cost Source: Urban Tree Farm \$ 295.00

Calculations

9. Unit tree cost (line 8 / line 7 or RPAC) \$ 93.94
 10. Basic reproduction cost (line 2 × line 9) \$ 295.00
 11. Depreciated reproduction cost[^] (line 10 × line 3 × line 4 × line 5) \$ 151.04

Additional costs

Cleanup _____ \$ _____
 Replacement tree installation _____ \$ _____
 Aftercare _____ \$ _____
 12. Total additional costs \$ _____
 13. Total reproduction cost (line 11 + line 12) \$ _____
 14. Rounded \$ _____

* Diameter and cross-sectional area may be replaced with plant area, volume, or height as appropriate.

[^] Apply depreciation if it is appropriate for the assignment.