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 with int 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

408.569.3930

Willgreenlandscapedesign@gmail.com

Trees 1 to 4, from left to right. Pyrus kawakamii in fair *condition*, *form*, and *structure*. Planted in narrow planter.
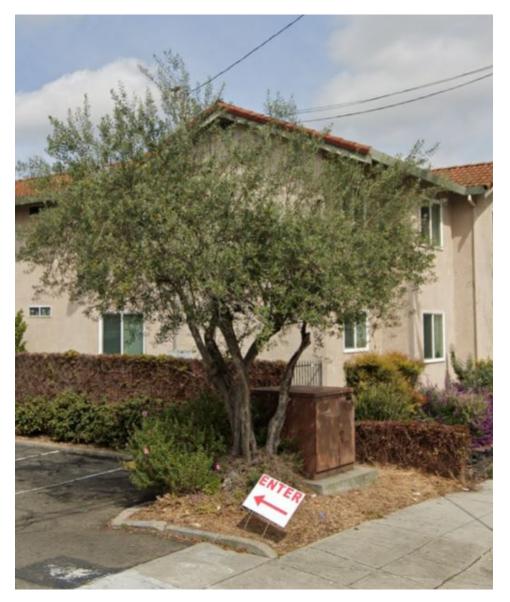
Tree 5 – Olea europaea (Olive) in fair condition, structure and form.

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_ in^2

   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_ in^2

   8. Replacement tree cost   Source: _Urban Tree Farm, Santa Rosa_ $ _785.00_
                           urbantreefarm.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.

Council of Tree & Landscape Appraisers (CTLA). 2019. *Guide for Plant Appraisal, 10th Edition.* International Society of Arboriculture, Atlanta, GA.

Revised in 2019. Current as of October 2020.   Page 7 of 11

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 → $\sqrt{150.8}$ ×   12.28** in^2

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** in^2

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**

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 $50.26 \times 4 = 210.04$ $\sqrt{201.04}$ ___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.