

**Tree Inventory, Assessment,
and
Protection**

**15925 Quail Hill Road
Los Gatos, CA 95032**

Prepared for:

Town of Los Gatos

April 18, 2019

Prepared By:

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Table of Contents

- Summary 1**
- Introduction 1**
 - Background 1
 - Assignment 1
 - Limits of the assignment 2
 - Purpose and use of the report 2
- Observations 3**
 - Tree Inventory and Town Code 3
- Analysis 5**
- Discussion 6**
 - Condition Rating 6
 - Suitability for Preservation 7
 - Impact Level 8
 - Tree Protection 8
- Conclusion 9**
- Recommendations 10**
 - Pre-construction and Planning Phase 10
 - Construction Phase 11
 - Post-Construction Phase 11
- Bibliography 12**
- Glossary of Terms 13**
- Appendix A: Tree Inventory Map and Site Plan 15**
- Appendix B: Tree Inventory and Assessment Tables 16**
- Appendix C: Photographs 17**
 - C1: Stand of trees along the lower lot (#586 through #595) 17
 - C2: Monterey pine #596 likely to be removed 18
 - C3: Incense cedar #598 near cottage 19
- Appendix D: Tree Protection Guidelines 20**
 - Section 29.10.1005. - Protection of Trees During Construction 20
 - Tree Protection Zones and Fence Specifications 20



All persons, shall comply with the following precautions20

Monitoring21

Root Pruning.....21

Boring or Tunneling.....21

Tree Pruning and Removal Operations.....21

Appendix E: Tree Protection Signs.....22

E1: English.....22

E2: Spanish.....23

Qualifications, Assumptions, and Limiting Conditions24

Certification of Performance25



Summary

The inventory contains thirteen trees comprised of six different species with eight coast live oaks (*Quercus agrifolia*). One is considered Large Protected, ten are Protected and two are Exempt. Most of the trees are in fair or poor condition with one dead. The best specimen near construction is the oak #586 at the corner of Drysdale and Shady Lane. Three trees have poor suitability which include coast live oak #593 barely holding onto the road-cut, the dead almond (*Prunus dulcis*), and incense cedar (*Calocedrus decurrens*) #598 near the cottage. Only one tree is expected to be highly impacted by the proposed plans which is Monterey pine (*Pinus radiata*) #596. All the remaining trees are located on the lower slope away from the proposed project with the exception of the two trees near the cottage (#597 and #598). There are some smaller trees down the slope near the existing house but were not included in this assessment and are not located on the plans. The demolition of the existing structures should not affect these trees. A total of thirteen trees were appraised for a rounded depreciated value of \$33,410.00 using the Trunk Formula Method.

Introduction

Background

The Town of Los Gatos asked me to assess the site, trees, and proposed footprint plan, and to provide a report with my findings and recommendations to help satisfy planning requirements.

Assignment

- Provide an arborist's report including an assessment of the trees within the project area and on the adjacent sites where necessary. The assessment is to include the species, size (trunk diameter), condition (health, structure, and form), and suitability for preservation ratings. Affix aluminum number tags on the trees for reference on site and on plans.
- Provide tree protection specifications, guidelines, and impact ratings for trees that may be affected by the project.
- Provide appraised values using the Cost Approach.



Limits of the assignment

- The information in this report is limited to the condition of the trees during my inspection on April 7, 2019. No tree risk assessments were performed.
- Tree heights and canopy diameters are estimates.
- The most recent *Guide to Plant Appraisal, Tenth Edition* was published in late 2018 by the ISA. The Guide is not functional at this time due to significant errors in the original printed version and gaps in information regarding regional species characteristics and nursery stock wholesale costs. Therefore the ninth edition and its supplemental publications was used for this assignment with the exception of the “condition ratings” assessment.
- The plans reviewed for this assignment were as follows: No grading, drainage, or landscape plan was assessed.

Table 1: Plans Reviewed Checklist

Plan	Date	Sheet	Reviewed	Source	Notes
Existing Site Topographic Map or A.L.T.A with tree locations			No		
Proposed Site Plan	02/13/2019	5 of 6	Yes	Hanna Brunetti	
Demolition Plan			No		
Construction Staging			No		
Grading and Drainage	02/13/2019	5 of 6	Yes	Hanna Brunetti	
Utility Plan and Hook-up locations			No		
Exterior Elevations			No		
Landscape Plan	02/01/2019	L1.0	Yes	David R. Fox and Company	
Irrigation Plan			No		
T-1 Tree Protection Plan			No		

Purpose and use of the report

The report is intended to identify all the trees within the plan area that could be affected by a project. The report is to be used by the Town of Los Gatos and the property owners as a reference for existing tree conditions to help satisfy planning requirements.

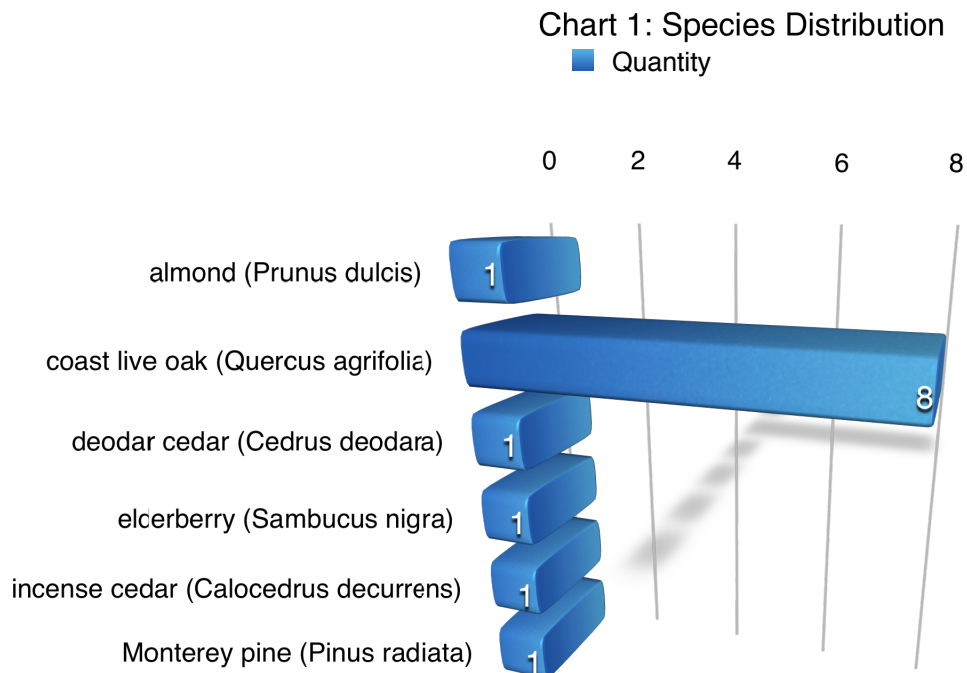


Observations

Tree Inventory and Town Code

The inventory consists of trees protected by the Town of Los Gatos located on site and those in close proximity on neighboring properties. Sec. 29.10.0960. - Scope of protected trees. All trees which have a four-inch or greater diameter (twelve and one half-inch circumference) of any trunk, when removal relates to any review for which zoning approval or subdivision approval is required. (Appendix A and B). Los Gatos Town Ordinance 29.10.0970 Exceptions (1) states the following: “A fruit or nut tree that is less than eighteen (18) inches in diameter (fifty-seven-inch circumference).

The inventory contains thirteen trees comprised of six different species (Chart 1). One is considered Large Protected¹, ten are Protected² and two are Exempt³ (Table 2, Pg. 4).



¹ Large protected tree means any oak (*Quercus spp.*), California buckeye (*Aesculus californica*), or Pacific madrone (*Arbutus menziesii*) which has a 24-inch or greater diameter (75-inch circumference); or any other species of tree with a 48-inch or greater diameter (150-inch circumference).

² Protected tree means a tree regulated by the Town of Los Gatos as set forth in Section. [29.10.0960](#), Scope of protected trees.

³ A fruit or nut tree that is less than eighteen (18) inches in diameter (fifty-seven-inch circumference).



The table below lists the trees assessed and their status.

Table 2: Tree Inventory

Tree Species	Number	Trunk Diameter (in.)	~ Canopy Diameter (ft.)	Status
coast live oak (<i>Quercus agrifolia</i>)	586	36	40	Large Protected
almond (<i>Prunus dulcis</i>)	587	9	15	Exempt
coast live oak (<i>Quercus agrifolia</i>)	588	11	25	Protected
coast live oak (<i>Quercus agrifolia</i>)	589	10	25	Protected
coast live oak (<i>Quercus agrifolia</i>)	590	8	25	Protected
coast live oak (<i>Quercus agrifolia</i>)	591	6	25	Protected
coast live oak (<i>Quercus agrifolia</i>)	592	8	25	Protected
coast live oak (<i>Quercus agrifolia</i>)	593	19	35	Protected
elderberry (<i>Sambucus nigra</i>)	594	4X multi	20	Exempt
coast live oak (<i>Quercus agrifolia</i>)	595	17	35	Protected
Monterey pine (<i>Pinus radiata</i>)	596	24	35	Protected
deodar cedar (<i>Cedrus deodara</i>)	597	20	40	Protected
incense cedar (<i>Calocedrus decurrens</i>)	598	18	35	Protected



Analysis

Tree appraisal was performed according to the Council of Tree & Landscape Appraisers *Guide for Plant Appraisal 9th Edition, 2000* (CLTA) along with Western Chapter International Society of Arboriculture *Species Classification and Group Assignment, 2004*. The trees were appraised using the “Cost Approach” and more specifically the “Trunk Formula Method” (Appendix B).

“Trunk Formula Method” is calculated as follows: Basic Tree Cost = (Appraised tree trunk increase X Unit tree cost + Installed tree cost) Appraised Value = (Basic tree cost X Species % X Condition % X Location %).

The trunk formula valuations are based on four tree factors; species, size (trunk cross sectional area), condition, and location. There are two steps to determine the overall value. The first step is to determine the “Basic Tree Cost” based on size and species rating which is determined by the *Species Classification and Group Assignment, 2004 Western Chapter Regional Supplement*.

The second part is to depreciate the value according to the location and condition of the trees.

The condition assessment and percentages are defined in the “Condition Rating” section of this report. The condition ratings deviate from the Guide’s condition assessment numerical rating system. The reason for this deviation is the Guide’s assessment criteria fails to account for significant health or structural issues creating high percentages for tree with either significant structural defects or health problems that could ultimately lead to failure or irreversible decline.

Location rating is an average of three factors; site, contribution, and placement. Site is determined by the relative property value where the trees are planted. The residential site would be classified as “very high” value with a 90 percent rating compared to similar sites in the area (ISA, 2000).

Contribution and placement is determined by the function and aesthetics the trees provide for the site and their location on the property. The percent of contribution and placement can range from 10 to 100 percent depending on the trees influence to the value of the property. These percentages ranged from 0 to 90 percent in my assessment.

A total of thirteen trees were appraised for a rounded depreciated value of \$33,410.00 using the Trunk Formula Method.

Appraisal worksheets are available upon request.



Discussion

Condition Rating

A tree's condition is a determination of its overall health, structure, and form. The assessment considered all three characteristics for a combined condition rating.

- 100% - Exceptional = Good health and structure with significant size, location or quality.
- 61-80% - Good = Normal vigor, well-developed structure, function and aesthetics not compromised with good longevity for the site.
- 41-60 % - Fair = Reduced vigor, damage, dieback, or pest problems, at least one significant structural problem or multiple moderate defects requiring treatment. Major asymmetry or deviation from the species normal habit, function and aesthetics compromised.
- 21-40% - Poor = Unhealthy and declining appearance with poor vigor, abnormal foliar color, size or density with potential irreversible decline. One serious structural defect or multiple significant defects that cannot be corrected and failure may occur at any time. Significant asymmetry and compromised aesthetics and intended use.
- 6-20% - Very Poor = Poor vigor and dying with little foliage in irreversible decline. Severe defects with the likelihood of failure being probable or imminent. Aesthetically poor with little or no function in the landscape.
- 0-5% - Dead/Unstable = Dead or imminently ready to fail.

Most of the trees are in fair or poor condition with one small almond dead. The best specimen near construction is the oak tree near the corner of Drysdale and Shady Lane.

Table 3: Condition Assessment

Tree Species	#	Health	Structure	Form	Condition
coast live oak (<i>Quercus agrifolia</i>)	586	Fair	Fair	Good	Good
almond (<i>Prunus dulcis</i>)	587	Dead	Dead	Dead	Dead
coast live oak (<i>Quercus agrifolia</i>)	588	Fair	Fair	Poor	Poor
coast live oak (<i>Quercus agrifolia</i>)	589	Fair	Fair	Poor	Fair
coast live oak (<i>Quercus agrifolia</i>)	590	Fair	Fair	Fair	Fair
coast live oak (<i>Quercus agrifolia</i>)	591	Fair	Fair	Poor	Fair
coast live oak (<i>Quercus agrifolia</i>)	592	Good	Fair	Poor	Fair
coast live oak (<i>Quercus agrifolia</i>)	593	Fair	Poor	Poor	Poor
elderberry (<i>Sambucus nigra</i>)	594	Good	Poor	Poor	Poor
coast live oak (<i>Quercus agrifolia</i>)	595	Fair	Fair	Fair	Fair
Monterey pine (<i>Pinus radiata</i>)	596	Fair	Fair	Poor	Fair
deodar cedar (<i>Cedrus deodara</i>)	597	Good	Fair	Poor	Fair
incense cedar (<i>Calocedrus decurrens</i>)	598	Fair	Poor	Poor	Poor

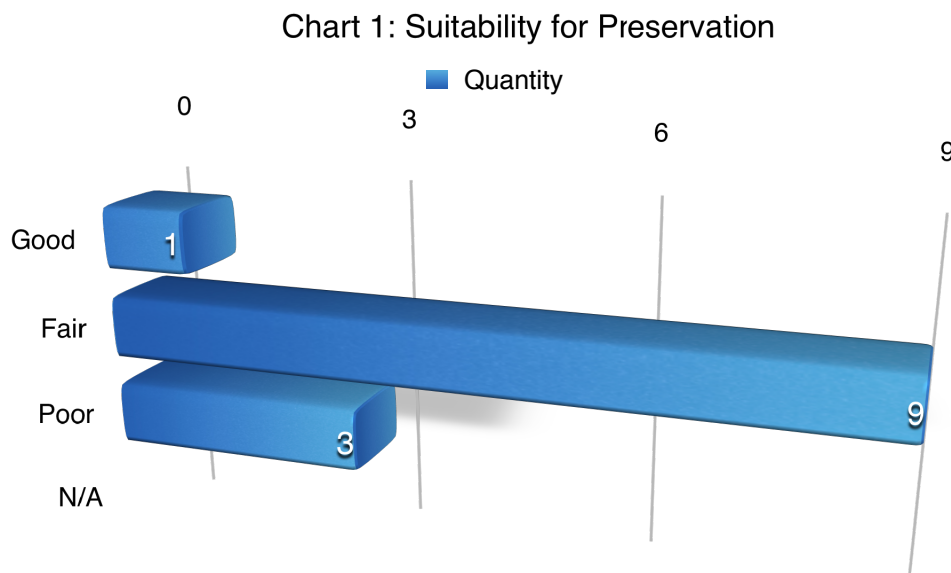


Suitability for Preservation

A tree's suitability for conservation is determined based on its health, structure, age, species and disturbance tolerances, proximity to cutting and filling, proximity to construction or demolition, and potential longevity using a scale of good, fair, or poor (Fite, K, and Smiley, E. T., 2016). The following list defines the rating scale:

- Good = Trees with good health, structural stability and longevity after construction.
- Fair = Trees with fair health and/or structural defects that may be mitigated through treatment. These trees require more intense management and monitoring, before, during, and after construction, and may have shorter life expectancy after development.
- Poor = Trees are expected to decline during or after construction regardless of management. The species or individual may possess characteristics that are incompatible or undesirable in landscape settings or unsuited for the intended use of the site.

The tree with the best suitability for preservation is coast live oak #586 at the corner of Drysdale and Shady Lane (Chart 1). Three trees have poor suitability which include coast live oak #593 barely holding onto the road-cut, the dead almond, and incense cedar #598 near the cottage. Most of the trees are volunteers.



Impact Level

Influence level defines how a tree may be affected by construction activity and proximity to the tree, and is described as low, moderate, or high. The following scale defines the impact rating:

- Low = The construction activity will have little influence on the tree.
- Moderate = The construction may cause future health or structural problems, and steps must be taken to protect the tree to reduce future problems.
- High = Tree structure and health will be compromised and removal is recommended, or other actions must be taken for the tree to remain. The tree is located in the building envelope.

Only one tree is expected to be highly impacted by the proposed plans which is Monterey pine #596. All the remaining trees are located on the lower slope away from the proposed project with the exception of the two trees near the cottage (#597 and #598). There are some smaller trees down the slope near the existing house but were not included in this assessment and are not located on the plans. The demolition of the existing structures should not affect these trees.

Tree Protection

Tree protection focuses on avoiding damage to the roots, trunk, or scaffold branches from heavy equipment (Appendix D). The tree protection zone (TPZ) is the defined area in which certain activities are prohibited to minimize potential injury to the tree. The most current accepted method for determining the TPZ is to use a formula based on species tolerance, tree age/vigor, and trunk diameter (Matheny, N. and Clark, J. 1998) (Fite, K, and Smiley, E. T., 2016). Preventing mechanical damage to the trunk from equipment or hand tools can be accomplished by wrapping the main stem with straw wattle or using vertical timbers.

Tree protection could be as simple as placing fence outside the stand of trees between the lower lot and Shady Lane along with protecting #597 and #598 near the cottage if they are to remain. If soil is not pushed down slope during the demolition of the existing house there is no need for fence up there.

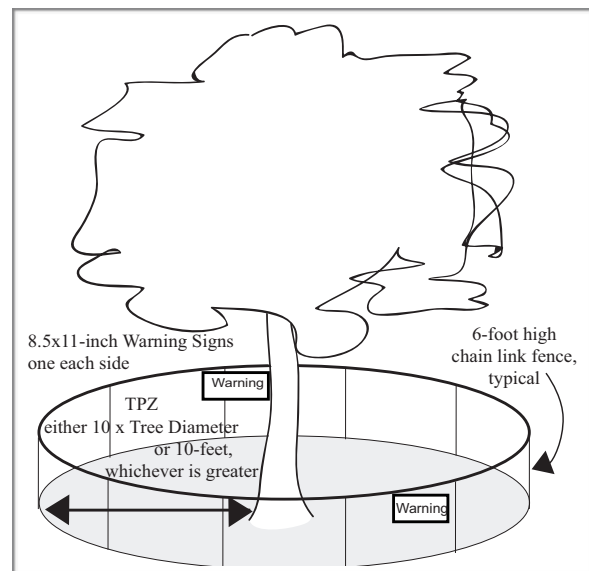


Figure 1: Example of Type I Tree protection with fence placed at a radius of ten times the trunk diameter. Image City of Palo Alto 2006.



Conclusion

The inventory consists of trees protected by the Town of Los Gatos located on site and those in close proximity on neighboring properties. The inventory contains thirteen trees comprised of six different species with eight coast live oaks. One is considered Large Protected, ten are Protected and two are Exempt. Most of the trees are in fair or poor condition with one small almond dead. The best specimen near construction is the oak tree near the corner of Drysdale and Shady Lane. The tree with the best suitability for preservation is coast live oak #586 at the corner of Drysdale and Shady Lane. Three trees have poor suitability which include coast live oak #593 barely holding onto the road-cut, the dead almond, and incense cedar #598 near the cottage. Only one tree is expected to be highly impacted by the proposed plans which is Monterey pine #596. All the remaining trees are located on the lower slope away from the proposed project with the exception of the two trees near the cottage (#597 and #598). There are some smaller trees down the slope near the existing house but were not included in this assessment and are not located on the plans. The demolition of the existing structures should not affect these trees. Tree protection should consist of placing fence outside the stand of trees between the lower lot and Shady Lane along with protecting #597 and #598 near the cottage. If soil is not pushed down slope during the demolition of the existing house there is no need for fence up there. A total of thirteen trees were appraised for a rounded depreciated value of \$33,410.00 using the Trunk Formula Method.



Recommendations

Pre-construction and Planning Phase

1. Place tree trunk locations on the topographic survey along with on all the plans
2. Place tree numbers and protection schemes on all the plans.
3. Place tree protection fence 30 feet to the south of trees #586 through #595.
4. Place tree protection fence around trees #597 and #598 at a radius of 16 feet where possible during demolition.
5. Consider removing tree #593 for public safety.
6. All tree maintenance and care shall be performed by a qualified arborist with a C-61/D-49 California Contractors License. Tree maintenance and care shall be specified in writing according to American National Standard for Tree Care Operations: *Tree, Shrub and Other Woody Plant Management: Standard Practices* parts 1 through 10 and adhere to ANSI Z133.1 safety standards and local regulations. All maintenance is to be performed according to ISA Best Management Practices.
7. Refer to Appendix D for general tree protection guidelines including recommendations for arborist assistance while working under trees, trenching, or excavation within a trees drip line or designated TPZ/CRZ.
8. Place all the tree protection fence locations and guidelines on the plans including the grading, drainage, and utility plans. Alternatively create a separate plan sheet that includes all three protection measures labeled “T-1 Tree Protection Plan.”
9. Provide a copy of this report to all contractors and project managers, including the architect, civil engineer, and landscape designer or architect. It is the responsibility of the owner to ensure all parties are familiar with this document.
10. Arrange a pre-construction meeting with the project arborist or landscape architect to verify tree protection is in place, with the correct materials, and at the proper distances.
11. Arrange for the project arborist to monitor and document initial grading activity and no grading is to occur within any tree protection zone including utility hook-ups.



Construction Phase

1. Monitor site and tree protection measures to ensure adherence. Monitor for health of trees and treat as necessary.

Post-Construction Phase

1. Monitor the health and structure of all trees for any changes in condition.
2. Perform any other mitigation measures to help ensure long term survival.
3. Have a qualified arborist perform a Level 2: Basic Tree Risk (*Best Management Practices: Tree Risk Assessment: International Society of Arboriculture, 2017*) assessment prior to site occupancy to help identify any conditions that may pose a risk.



Bibliography

- American National Standard for Tree Care Operations: Tree, Shrub and Other Woody Plant Management : Standard Practices (Management of Trees and Shrubs During Site Planning, Site Development, and Construction)(Part 5). Londonderry, NH: Secretariat, Tree Care Industry Association, 2012. Print.
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Glossary of Terms

Basic Tree Cost: The cost of replacement for a perfect specimen of a particular species and cross sectional area prior to location and condition depreciation.

Cost Approach: An indication of value by adding the land value to the depreciated value of improvements.

Defect: An imperfection, weakness, or lack of something necessary. In trees defects are injuries, growth patterns, decay, or other conditions that reduce the tree's structural strength.

Diameter at breast height (DBH): Measures at 1.4 meters (4.5 feet) above ground in the United States, Australia (arboriculture), New Zealand, and when using the Guide for Plant Appraisal, 9th edition; at 1.3 meters (4.3 feet) above ground in Australia (forestry), Canada, the European Union, and in UK forestry; and at 1.5 meters (5 feet) above ground in UK arboriculture.

Drip Line: Imaginary line defined by the branch spread or a single plant or group of plants. The outer extent of the tree crown.

Form: describes a plant's habit, shape or silhouette defined by its genetics, environment, or management.

Health: Assessment is based on the overall appearance of the tree, its leaf and twig growth, and the presence and severity of insects or disease.

Mechanical damage: Physical damage caused by outside forces such as cutting, chopping or any mechanized device that may strike the tree trunk, roots or branches.

Scaffold branches: Permanent or structural branches that form the scaffold architecture or structure of a tree.

Straw wattle: also known as straw worms, bio-logs, straw noodles, or straw tubes are man made cylinders of compressed, weed free straw (wheat or rice), 8 to 12 inches in diameter and 20 to 25 feet long. They are encased in jute, nylon, or other photo degradable materials, and have an average weight of 35 pounds.

Structural evaluation: focused on the crown, trunk, trunk flare, above ground roots and the site conditions contributing to conditions and/or defects that may contribute to failure.

Tree Protection Zone (TPZ): Defined area within which certain activities are prohibited or restricted to prevent or minimize potential injury to designated trees, especially during construction or development.



Tree Risk Assessment: Process of evaluating what unexpected things could happen, how likely it is, and what the likely outcomes are. In tree management, the systematic process to determine the level of risk posed by a tree, tree part, or group of trees.

Trunk: Stem of a tree.

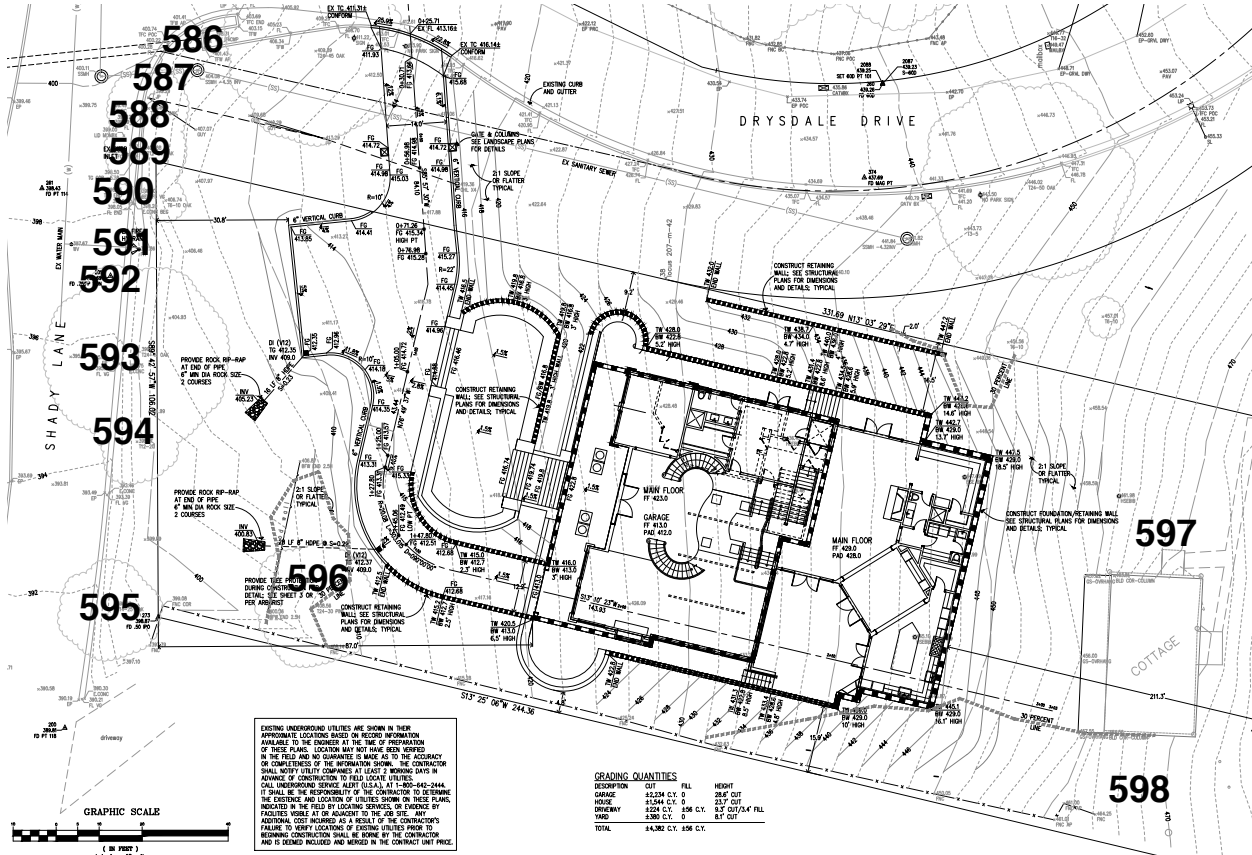
Trunk Formula Method: Method to appraise the monetary value of trees considered too large to be replaced with nursery or field grown stock. Based on developing a representative unit cost for replacement with the same or comparable species of the same size and in the same place, subject to depreciation for various factors. Contrast with replacement cost method.

Volunteer: A tree, not planted by human hands, that begins to grow on residential or commercial property. Unlike trees that are brought in and installed on property, volunteer trees usually spring up on their own from seeds placed onto the ground by natural causes or accidental transport by people. Normally, volunteer trees are considered weeds and removed, but many desirable and attractive specimens have gone on to become permanent residents on many public and private grounds.



Appendix A: Tree Inventory Map and Site Plan

Snapshot not to scale from Hanna Brunetti Grading and Drainage Plan February 13, 2019 sheet 5 of 6. Tree number locations are approximations



Appendix B: Tree Inventory and Assessment Tables

Table 3: Assessment Summary

Tree Species	#	Trunk Diameter (in.)	~ Canopy Diameter (ft.)	Condition	Suitability	Impact	Rounded Depreciated Value
coast live oak (<i>Quercus agrifolia</i>)	586	36	40	Good	Good	Low	\$19,100.00
almond (<i>Prunus dulcis</i>)	587	9	15	Dead/ Unstable	Poor	Low	\$0.00
coast live oak (<i>Quercus agrifolia</i>)	588	11	25	Poor	Poor	Low	\$660.00
coast live oak (<i>Quercus agrifolia</i>)	589	10	25	Fair	Fair	Low	\$1,120.00
coast live oak (<i>Quercus agrifolia</i>)	590	8	25	Fair	Fair	Low	\$750.00
coast live oak (<i>Quercus agrifolia</i>)	591	6	25	Fair	Fair	Low	\$460.00
coast live oak (<i>Quercus agrifolia</i>)	592	8	25	Fair	Fair	Low	\$750.00
coast live oak (<i>Quercus agrifolia</i>)	593	19	35	Poor	Poor	Low	\$1,880.00
elderberry (<i>Sambucus nigra</i>)	594	4X multi	20	Poor	Fair	Low	\$430.00
coast live oak (<i>Quercus agrifolia</i>)	595	17	35	Fair	Fair	Low	\$3,040.00
Monterey pine (<i>Pinus radiata</i>)	596	24	35	Fair	Fair	High	\$660.00
deodar cedar (<i>Cedrus deodara</i>)	597	20	40	Fair	Fair	Moderate	\$3,240.00
incense cedar (<i>Calocedrus decurrens</i>)	598	18	35	Poor	Poor	Moderate	\$1,320.00



Appendix C: Photographs

C1: Stand of trees along the lower lot (#586 through #595)



C2: Monterey pine #596 likely to be removed



C3: Incense cedar #598 near cottage



Appendix D: Tree Protection Guidelines

Section 29.10.1005. - Protection of Trees During Construction

Tree Protection Zones and Fence Specifications

1. **Size and materials:** Six (6) foot high chain link fencing, mounted on two-inch diameter galvanized iron posts, shall be driven into the ground to a depth of at least two (2) feet at no more than ten-foot spacing. For paving area that will not be demolished and when stipulated in a tree preservation plan, posts may be supported by a concrete base.
2. **Area type to be fenced:** Type I: Enclosure with chain link fencing of either the entire dripline area or at the tree protection zone (TPZ), when specified by a certified or consulting arborist. Type II: Enclosure for street trees located in a planter strip: chain link fence around the entire planter strip to the outer branches. Type III: Protection for a tree located in a small planter cutout only (such as downtown): orange plastic fencing shall be wrapped around the trunk from the ground to the first branch with two-inch wooden boards bound securely on the outside. Caution shall be used to avoid damaging any bark or branches.
3. **Duration of Type I, II, III fencing:** Fencing shall be erected before demolition, grading or construction permits are issued and remain in place until the work is completed. Contractor shall first obtain the approval of the project arborist on record prior to removing a tree protection fence.
4. **Warning Sign:** Each tree fence shall have prominently displayed an eight and one-half-inch by eleven-inch sign stating: "Warning—Tree Protection Zone—This fence shall not be removed and is subject to penalty according to Town Code 29.10.1025." Text on the signs should be in both English and Spanish (Appendix E).

All persons, shall comply with the following precautions

1. Prior to the commencement of construction, install the fence at the dripline, or tree protection zone (TPZ) when specified in an approved arborist report, around any tree and/or vegetation to be retained which could be affected by the construction and prohibit any storage of construction materials or other materials, equipment cleaning, or parking of vehicles within the TPZ. The dripline shall not be altered in any way so as to increase the encroachment of the construction.
2. Prohibit all construction activities within the TPZ, including but not limited to: excavation, grading, drainage and leveling within the dripline of the tree unless approved by the Director.
3. Prohibit disposal or depositing of oil, gasoline, chemicals or other harmful materials within the dripline of or in drainage channels, swales or areas that may lead to the dripline of a protected tree.
4. Prohibit the attachment of wires, signs or ropes to any protected tree.
5. Design utility services and irrigation lines to be located outside of the dripline when feasible.



6. Retain the services of a certified or consulting arborist who shall serve as the project arborist for periodic monitoring of the project site and the health of those trees to be preserved. The project arborist shall be present whenever activities occur which may pose a potential threat to the health of the trees to be preserved and shall document all site visits.
7. The Director and project arborist shall be notified of any damage that occurs to a protected tree during construction so that proper treatment may be administered.

Monitoring

Any trenching, construction or demolition that is expected to damage or encounter tree roots should be monitored by the project arborist or a qualified ISA Certified Arborist and should be documented.

The site should be evaluated by the project arborist or a qualified ISA Certified Arborist after construction is complete, and any necessary remedial work that needs to be performed should be noted.

Root Pruning

Roots greater than two inches in diameter shall not be cut. When roots over two inches in diameter are encountered and are authorized to be cut or removed, they should be pruned by hand with loppers, handsaw, reciprocating saw, or chain saw rather than left crushed or torn. Roots should be cut beyond sinker roots or outside root branch junctions and be supervised by the project arborist. When completed, exposed roots should be kept moist with burlap or backfilled within one hour.

Boring or Tunneling

Boring machines should be set up outside the drip line or established Tree Protection Zone. Boring may also be performed by digging a trench on both sides of the tree until roots one inch in diameter are encountered and then hand dug or excavated with an Air Spade® or similar air or water excavation tool. Bore holes should be adjacent to the trunk and never go directly under the main stem to avoid oblique (heart) roots. Bore holes should be a minimum of three feet deep.

Tree Pruning and Removal Operations

All tree pruning or removals should be performed by a qualified arborist with a C-61/D-49 California Contractors License. Treatment, including pruning, shall be specified in writing according to the most recent ANSI A-300A Standards and Limitations and performed according to ISA Best Management Practices while adhering to ANSI Z133.1 safety standards. Trees that need to be removed or pruned should be identified in the pre-construction walk through.



Appendix E: Tree Protection Signs

E1: English

Warning
Tree Protection Zone

**This Fence Shall Not Be Removed
And Is Subject To Penalty According To
Town Code 29.10.1025**



E2: Spanish

**Cuidado
Zona De Arbol Pretejido**

**Esta valla no podrán ser sacados
Y está sujeta a sanción en función de
Código Ciudad del 29.101025**



Qualifications, Assumptions, and Limiting Conditions

Any legal description provided to the consultant is assumed to be correct. Any titles or ownership of properties are assumed to be good and marketable. All property is appraised or evaluated as though free and clear, under responsible ownership and competent management.

All property is presumed to be in conformance with applicable codes, ordinances, statutes, or other regulations.

Care has been taken to obtain information from reliable sources. However, the consultant cannot be responsible for the accuracy of information provided by others.

The consultant shall not be required to give testimony or attend meetings, hearings, conferences, mediations, arbitration, or trials by reason of this report unless subsequent contractual arrangements are made, including payment of an additional fee for such services.

This report and any appraisal value expressed herein represent the opinion of the consultant, and the consultant's fee is not contingent upon the reporting of a specified appraisal value, a stipulated result, or the occurrence of a subsequent event.

Sketches, drawings, and photographs in this report are intended for use as visual aids, are not necessarily to scale, and should not be construed as engineering or architectural reports or surveys. The reproduction of information generated by architects, engineers, or other consultants on any sketches, drawings, or photographs is only for coordination and ease of reference. Inclusion of said information with any drawings or other documents does not constitute a representation as to the sufficiency or accuracy of said information.

Unless otherwise expressed: a) this report covers only examined items and their condition at the time of inspection; and b) the inspection is limited to visual examination of accessible items without dissection, excavation, probing, or coring. There is no warranty or guarantee, expressed or implied, that structural problems or deficiencies of plants or property may not arise in the future.



Certification of Performance

I Richard Gessner, Certify:

That I have personally inspected the tree(s) and/or the property referred to in this report, and have stated my findings accurately. The extent of the evaluation and/or appraisal is stated in the attached report and Terms of Assignment;

That I have no current or prospective interest in the vegetation or the property that is the subject of this report, and I have no personal interest or bias with respect to the parties involved;

That the analysis, opinions and conclusions stated herein are my own;

That my analysis, opinions, and conclusions were developed and this report has been prepared according to commonly accepted Arboricultural practices;

That no one provided significant professional assistance to the consultant, except as indicated within the report.

That my compensation is not contingent upon the reporting of a predetermined conclusion that favors the cause of the client or any other party, nor upon the results of the assessment, the attainment of stipulated results, or the occurrence of any other subsequent events;

I further certify that I am a Registered Consulting Arborist® with the American Society of Consulting Arborists, and that I acknowledge, accept and adhere to the ASCA Standards of Professional Practice. I am an International Society of Arboriculture Board Certified Master Arborist®. I have been involved with the practice of Arboriculture and the care and study of trees since 1998.

Richard J. Gessner



ASCA Registered Consulting Arborist® #496
ISA Board Certified Master Arborist® WE-4341B
ISA Tree Risk Assessor Qualified
CA Qualified Applicators License QL 104230



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