City of Calabasas

APN 2072-001-018 Single-Family Residence

Addendum to the Final Mitigated Negative Declaration

September 2016

Environmental Scientists Planners Engineers

APN 2072-001-018 Single-Family Residence

Addendum
to the Final Mitigated Negative Declaration

Prepared by:

City of Calabasas
Community Development Department
100 Civic Center Way
Calabasas, California 91302
Contact: Andy Cohen-Cutler, Associate Planner

Prepared with the assistance of:

Rincon Consultants, Inc.
180 North Ashwood Avenue
Ventura, California 93003

September 2016

This report is printed on 50% recycled paper.

Table of Contents

Page

Introduction 1
Project Description 1
Environmental Impacts 4
- Aesthetics 4
- Agricultural Resources 4
- Air Quality 4
- Biological Resources 5
- Cultural Resources 6
- Geology and Soils 6
- Greenhouse Gas Emissions 6
- Hazards and Hazardous Materials 8
- Hydrology and Water Quality 8
- Land Use and Planning 9
- Mineral Resources 9
- Noise 9
- Population and Housing 10
- Public Services 10
- Recreation 10
- Transportation/Circulation 11
- Utilities and Service Systems 11
- Mandatory Findings Of Significance 11

References 13

List of Figures

Figure 1 Project Site Location 2
Figure 2 Proposed Site Plans 3

Appendices

Appendix A Oak Tree Report
Appendix B Greenhouse Gas Emissions Modeling Results

INTRODUCTION

This document is an addendum to the SR-4 Development LLC Residence: Dry Canyon Cold Creek Road (APN 2072-001-018) Initial Study/Mitigated Negative Declaration (IS/MND) that was adopted by the City of Calabasas Planning Commission in June 2010. The addendum is required to address the potential environmental effects associated with minor changes to the proposed project that have occurred since adoption of the IS/MND. The Addendum has been prepared in accordance with relevant provisions of the California Environmental Quality Act (CEQA) of 1970 (as amended) and the *CEQA Guidelines*.

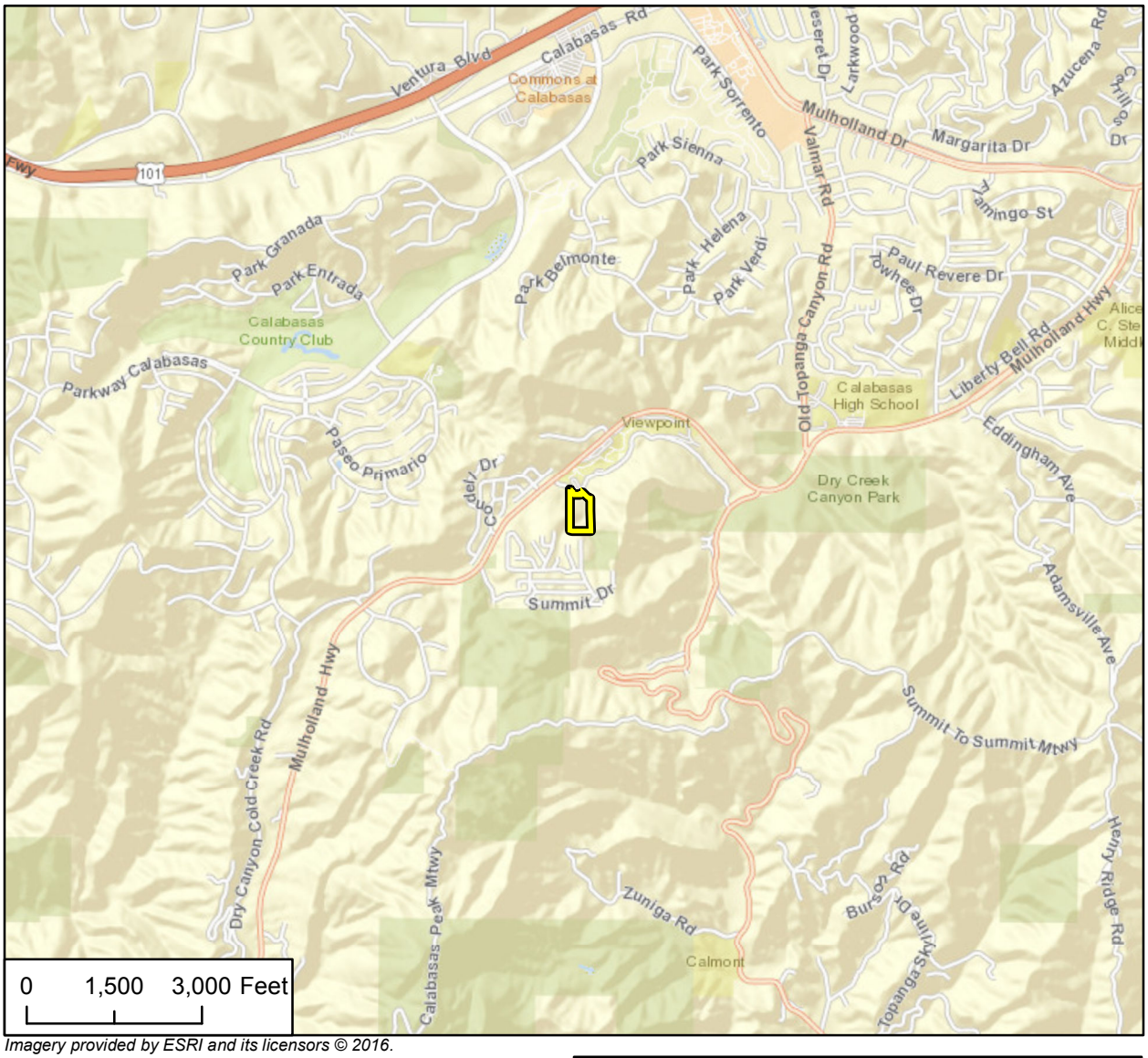
According to Section 15164 of the *CEQA Guidelines*, an addendum to a previously adopted IS/MND is the appropriate environmental document in instances when "only minor technical changes or additions are necessary" and when the new information does not involve new significant environmental effects beyond those identified in an adopted IS/MND. The change being contemplated involves a minor revision to the previously proposed site plan. As discussed below, the proposed revision would have no new significant environmental effects beyond those identified in the previously adopted IS/MND. As such, the addendum is the appropriate environmental document under CEQA. This addendum describes the current proposed project and compares the impacts of this proposal to the impacts identified for the original proposal that was studied in the previously adopted IS/MND.

PROJECT DESCRIPTION

The approximately 4.5-acre (195,644 square foot) project site is located at 23600 Dry Canyon Cold Creek (APN 2072-001-018) (see Figure 1). The original proposal that was the subject of the previously adopted IS/MND involved construction of an approximately 8,513 square foot, three-story (including basement), single-family residence on an existing 4.43-acre legal lot. The original proposed residence was to include a 2,192 square foot garage, first and second story decks totaling approximately 2,625 square feet, and a 1,600 square foot swimming pool and deck area. The original proposed project was also to include a 511-foot long driveway with fire department turnaround area, 6-foot entry wrought iron gate, and 154-foot long retaining wall along the eastern portion of the residence. The building footprint of the proposed residence was to be 5,837 square feet, with a total non-pervious surface area of approximately 21,663 square feet (11.1% of the project site).

Subsequent to adoption of the IS/MND and approval of the project, the project plans for the single-family residence have changed. The current proposal is the construction of a single-family residence that would be three stories, including a basement. However, this residence would be 8,470 square feet in size, a reduction of 43 square feet. Therefore, its building area is within the total building area parameters of the residence contemplated in the previously adopted IS/MND. The current project plans are shown in Figure 2.

Per the project plans for the current proposed project, the general layout and orientation of the residence would be the same as what was anticipated in the previously adopted IS/MND. However, small changes to the floor plan and landscaping plan would occur. Project grading quantities would be the same as the original project, with an estimated 3,456 cubic yards (CY) of cut and 2,813 CY of fill. With anticipated soil shrinkage of 643 CY, grading would be balanced on site and no import or export of soil would be required.



Imagery provided by ESRI and its licensors © 2016.

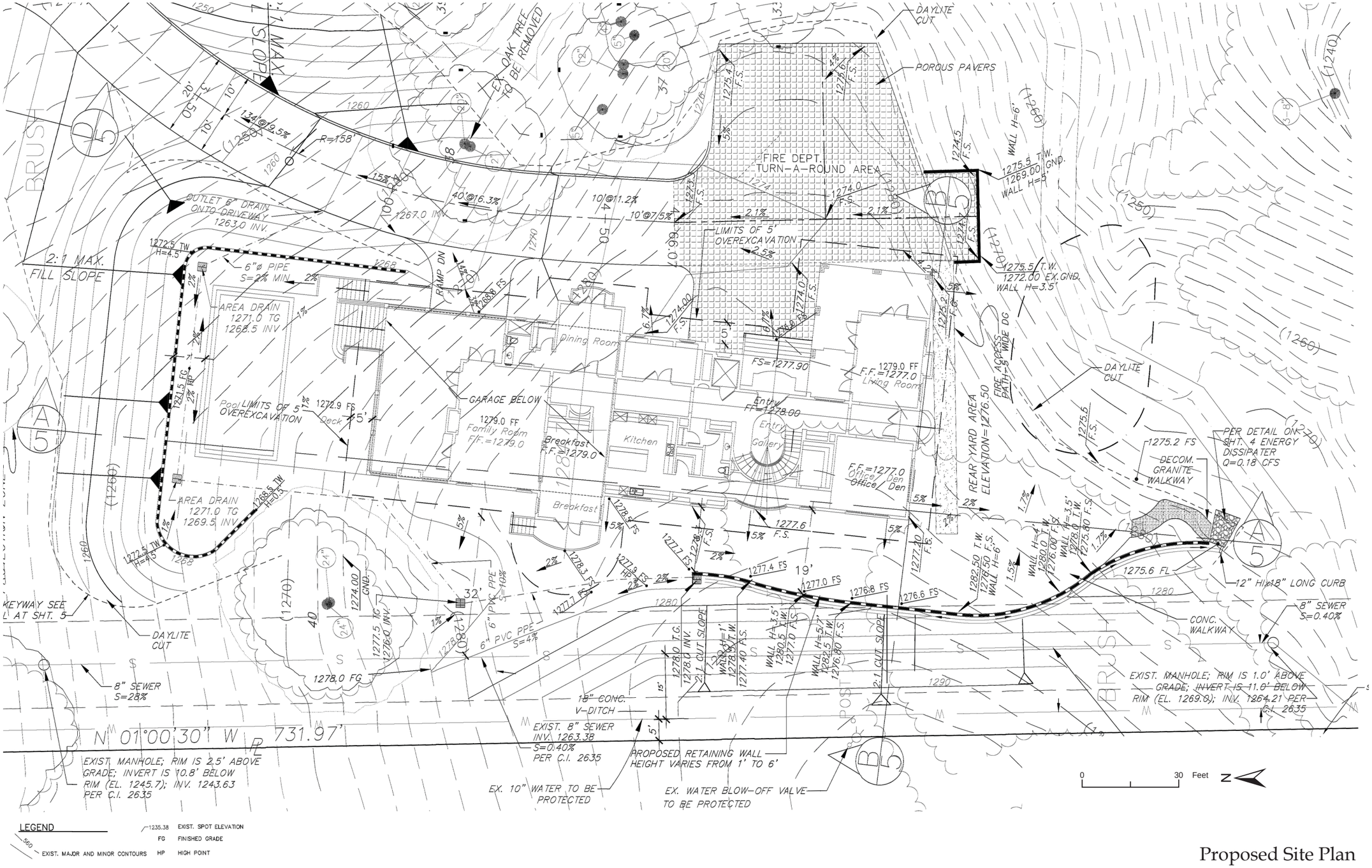
N

Project Location

Regional Location

Figure 1

City of Calabasas



Proposed Site Plan

Source: Ken Stockton Architect, 2015

Figure 2

ENVIRONMENTAL IMPACTS

This section addresses each of the environmental issues studied in the previously adopted IS/MND, comparing the effects of the current proposed project to the effects of the SR-4 Development LLC Residence project that was the subject of the previously adopted IS/MND.

Aesthetics

The project site is within the Mulholland Highway Scenic Corridor and is subject to the standards contained in the City's Scenic Corridor Overlay Zone, which include development guidelines designed to protect the scenic qualities of the corridor. The previously adopted IS/MND found that all aesthetic impacts would be potentially significant with mitigation. Mitigation measures AES-1 through AES-8 and Mitigation Measure BIO-2 were required to reduce impacts to visual resources. These aesthetic mitigation measures included provisions for plant screening, tree masses, slope plantings, shrub placement, skyline plantings, natural building colors, low reflectivity glass, and driveway and retaining wall landscaping. Mitigation Measure BIO-2 included oak tree mitigation provisions.

As discussed in the Project Description, the development pad, grading quantities, and overall building area for the current proposed project are similar to those originally analyzed. Therefore, aesthetic impacts would be similar to those of the previously proposed project. All mitigation measures would continue to apply. With mitigation, impacts to visual resources and scenic views would be less than significant. The proposed project would not create any new significant impacts or increase the severity of impacts beyond those identified in the Final IS/MND.

Agricultural Resources

As with the original proposal, the current proposed project would be located on land that is not zoned or used for agricultural production. Therefore, no impact would occur. The proposed project would not create any new significant impacts or increase the severity of impacts beyond those identified in the Final IS/MND.

Air Quality

The previously adopted IS/MND found that all air quality impacts would be less than significant. The current proposed project would have air quality impacts similar to those of the original proposal since it involves a single family residence similar in size to the original proposal. The proposed single-family residential project would not create population growth exceeding the City's population and growth forecasts and, therefore, would not conflict with the adopted Air Quality Management Plan (AQMP). Construction-related emissions would be similar to what would occur under the original proposal as grading quantities and required construction equipment would be the same. Operational emissions would also be similar to what would occur under the original proposed project because project-generated traffic and other operational emissions (area, energy, and water) would be similar to those of the proposed project. Due to improvements in building energy and water efficiency, and stricter Title 24 California Residential Building Code standards compared to what was in place in 2010, operational emissions would be slightly reduced compared to the original project. In addition, like the original proposal, the current proposed residential project would not result in odor

impacts or expose sensitive receptors to unhealthful air quality. Similar to the original proposal, the current proposed project would have less than significant impacts with respect to air quality. The proposed project would not create any new significant impacts or increase the severity of impacts beyond those identified in the Final IS/MND.

Biological Resources

Special Status Species

Compliance Biology, Inc. prepared a Biological Resources Assessment (BRA) for the project site in June 2006. The 2006 BRA found that although occurrences of some rare plants have been documented in the project vicinity, none of the special-status plant species known from the area is considered to have a high potential for occurrence on site due to specific environmental factors including soil types, canopy density, solar aspect, etc. Three special-status wildlife species have a high potential to occur on site: the Sharp-shinned Hawk (*Accipiter striatus*), Cooper's Hawk (*Accipiter cooperii*), and San Diego Woodrat (*Neotoma lepida intermedia*). None of these potentially occurring species are listed as threatened or endangered by State or Federal regulatory agencies. The proposed project would be similar in size the footprint to the original project; therefore, impacts would be similar to the original project. For the San Diego Woodrat, impacts were found to be less than significant given the common occurrence of the species in the region, the abundance of suitable habitat in the area, and the relatively small amount of habitat that is expected to be disturbed by the project. Impacts to the hawk species were found to be significant but mitigable with Mitigation Measure BIO-1 to protect nesting birds. This measure would also be required for the proposed project.

Biological resource conditions on the project site have not changed substantially since adoption of the 2010 IS/MND and the current proposed project involves a single family residence of similar size and location to that studied in the 2010 IS/MND. Therefore, with mitigation, the proposed project would not create any new significant impacts or increase the severity of impacts beyond those identified in the Final IS/MND.

Oak Trees

Kay J. Greeley, Board Certified Master Arborist, prepared an Oak Tree Report for the proposed project to determine whether the current proposed project would result in any significant biological resource impacts not identified in the previously adopted IS/MND. Completed in July 2015 and included in Appendix A, the June 2015 Oak Tree Report found that there are 60 native oak trees located within the immediate vicinity of the project site, including 11 Heritage oaks. Portions of the proposed residence, driveway and retaining walls for the current proposed project would be within the vicinity of protected oak trees growing within the site. Construction activities associated with the current proposed project would require encroachment within the protected zones of 10 of the subject trees, including four of the Heritage oaks. One oak tree removal would be required to construct the driveway. The remaining 49 oak trees would not experience any direct impacts. According to the previously adopted IS/MND, the original project would remove one oak tree and encroach onto 12 oak trees. Therefore, the current proposed project would have fewer oak tree impacts compared to the original project. As with the original project, an Oak Tree Permit and mitigation approved by the City's Oak Tree consultant would be required. Mitigation measures BIO-2 and BIO-3, required for the original project, would be required for the current project as well. With mitigation, the proposed project

would not create any new significant impacts or increase the severity of impacts beyond those identified in the Final IS/MND.

Cultural Resources

As discussed in the previously adopted IS/MND, the project site is undeveloped and does not contain any historic resources. Compass Rose Archaeological, Inc. conducted a Phase I Archaeological Investigation for the project site dated September 29, 2006. The Phase I included a record search and field survey which indicated no archaeological or paleontological resources or human remains present. However, with any ground-disturbing activity, project grading and excavation would have the potential to adversely affect undiscovered cultural resources, including human remains. Therefore, the original IS/MND required implementation of mitigation measures CR-1 and CR-2 to ensure that unanticipated resources are not impacted. Since the proposed project involves construction of a single-family home with a similar footprint and grading compared to the original proposal, impacts would be similar to the original proposed project and mitigation measures CR-1 and CR-2 would still be required. With mitigation, the current proposed project would not create any new significant impacts or increase the severity of impacts beyond those identified in the Final IS/MND.

Geology and Soils

The current proposed project would be on the same site as the original proposal and would therefore be subject to geological conditions similar to those identified in the previously adopted IS/MND. Impacts related to surface rupture, groundshaking, landslides, and erosion would continue to be less than significant. As with the original proposal, no impact would occur with respect to septic systems since the current proposed project would connect to the sewer system. The project site contains expansive soils. Impacts related to expansive soils would be potentially significant, but implementation of mitigation measures GEO-1 through GEO-4 from the previously adopted IS/MND would reduce such impacts to below a level of significance. Impacts would be similar to those of the original proposal and would be less than significant with mitigation incorporated. The current proposed project would not create any new significant impacts or increase the severity of impacts beyond those identified in the Final IS/MND.

Greenhouse Gas Emissions

The previously adopted IS/MND did not discuss greenhouse gas (GHG) emissions as the inclusion of this issue was not yet required under CEQA at the time the document was prepared. Therefore, a discussion of GHG emissions is provided herein to supplement the Final IS/MND.

Gases that absorb and re-emit infrared radiation in the atmosphere are called greenhouse gases (GHGs), in reference to the fact that greenhouses retain heat. Common GHGs include water vapor, carbon dioxide (CO_2), methane (CH_4), nitrous oxides (NO_x), fluorinated gases, and ozone. GHGs are emitted by both natural processes and human activities. Of these gases, CO_2 and CH_4 are emitted in the greatest quantities from human activities. Emissions of CO_2 are largely by-products of fossil fuel combustion, whereas CH_4 results from off-gassing associated with agricultural practices and landfills. Man-made GHGs, many of which have greater heat-absorption potential than CO_2, include fluorinated gases, such as hydrofluorocarbons (HFCs),

perfluorocarbons (PFCs), and sulfur hexafluoride (SF6) (California Environmental Protection Agency [CalEPA], 2006). Different types of GHGs have varying global warming potential (GWP). The GWP of a GHG is the potential of a gas or aerosol to trap heat in the atmosphere. Because GHGs absorb different amounts of heat, a common reference gas (CO_2) is used to relate the amount of heat absorbed to the amount of the gas emissions, referred to as "carbon dioxide equivalent" (CDE), and is the amount of a GHG emitted multiplied by its GWP. CO_2 has a GWP of one. By contrast, methane (CH_4) has a GWP of 21, meaning its global warming effect is 21 times greater than CO_2 on a molecule per molecule basis.

The accumulation of GHGs in the atmosphere regulates the earth's temperature. Without the natural heat trapping effect of GHGs, the Earth's surface would be about 34°C cooler (CalEPA, 2006). However, it is believed that emissions from human activities, particularly the consumption of fossil fuels for electricity production and transportation, have elevated the concentration of these gases in the atmosphere beyond the level of naturally occurring concentrations.

Pursuant to the requirements of SB 97, the Resources Agency adopted amendments to the State CEQA Guidelines for the feasible mitigation of GHG emissions or the effects of GHG emissions. The adopted CEQA Guidelines provide regulatory guidance on the analysis and mitigation of GHG emissions in CEQA documents, while giving lead agencies the discretion to set quantitative or qualitative thresholds for the assessment and mitigation of GHGs and Climate Change impacts. In addition, in an effort to guide professional planners, land use officials and CEQA practitioners, OPR prepared the document, *CEQA and Climate Change: Addressing Climate Change through California Environmental Quality Act (CEQA)*. This document offers informal guidance regarding the steps lead agencies should take to address climate change in CEQA documents. This guidance was developed in cooperation with the Resources Agency, Cal EPA, and the CARB.

Although not formally adopted, SCAQMD has proposed a plan-based threshold of 6.6 metric tons equivalent carbon dioxide (MT CO_2e) per service population (defined to include both residents and employees) per year or 3,000 MT CO_2e /year for all land use types for use in the South Coast region (SCAQMD, "Proposed Tier 4 Performance Standards, September 2010). Since the current proposed project does not include an increased service population, the proposed project has been analyzed against the 3,000 MT CO_2e /year SCAQMD threshold to determine impacts.

Implementation of the current proposed project would result in direct and indirect construction and operational GHG emissions. The California Emissions Estimator Model (CalEEMod) was used to quantify GHG emissions associated with the proposed project (see Appendix B for complete modeling results).

Construction GHG emissions would result from the combustion of fossil fuels from heavy-duty construction equipment and from construction worker vehicles and would occur only when construction activities are underway. However, SCAQMD recommends amortization of construction-related GHG emissions over the project's lifetime. A 30-year project lifetime is recommended. Therefore, the construction GHG emissions have been amortized over a 30-year period and included in the operational GHG emissions.

Operational emissions would result from fossil fuel combustion for energy usage associated with the project and from motor vehicles. The current proposed project involves development of a single-family home, which would generate approximately 10 trips per day (see discussion under Transportation/Traffic).

The estimated total operational GHG emissions from the proposed project would be approximately 29 MT CO_2e /year (10 annual MT CO_2e from construction emissions and 19 MT CO_2e /year from operational emissions, see Appendix B). Therefore, the proposed project would not generate emissions exceeding the 3,000 MT CO_2e /year threshold.

The City of Calabasas does not have an adopted GHG reduction plan such as a Climate Action Plan. The 2030 General Plan includes policies to reduce per capita GHG emissions (Conservation Element Policy IV-19) and to minimize emissions of GHG generated by electricity and natural gas consumption (Conservation element Policy IV-18). Though the proposed project involves new residential development which would consume electricity and natural gas, it would conform with Title 24 energy efficiency requirements. The proposed project involves construction of a single-family residence and is well below SCAQMD's recommended GHG thresholds. The current proposed project would not conflict with any applicable plan, policy, or regulation adopted for the purpose of reducing the emissions of GHGs. Therefore, the current proposed project would not create any new significant GHG impacts.

Hazards and Hazardous Materials

The previously adopted IS/MND found no impact with respect to hazards or hazardous materials, except with regard to wildfire hazards. As with the original proposal, the current proposed project would involve residential use of what is presently a vacant parcel. The project site is within a hillside residential area and is not subject to any known hazards related to hazardous materials or aircraft operations. As discussed in the previously adopted IS/MND, the project site is located within a high fire hazard zone and a fuel modification program would be required to offset potential impacts related to fire hazards. Implementation of this requirement, as described in mitigation measures HAZ-1 through HAZ-4 in the previously adopted IS/MND, would reduce wildland fire hazards to below a level of significance. The current proposed project would not create any new significant impacts or increase the severity of impacts beyond those identified in the Final IS/MND.

Hydrology and Water Quality

As discussed in the previously adopted IS/MND, the project site is not subject to 100-year flood hazards or hazards associated with tsunami, seiche, or mudflow. In addition, with compliance with existing regulations, site development would not violate any water quality standards or discharge requirements or cause substantial amounts of erosion. Further, development of approximately 0.5 acres of a 4.5-acre site would not affect groundwater recharge. The current proposed project would have a footprint similar to that of the original proposed project. As such, similar to the original proposal, the current proposed project would have less than significant impacts relative to these issues.

A drainage course flows across the southern portion of the site and along the eastern boundary toward and under Dry Canyon Cold Creek Road and subsequently into Dry Canyon Creek.

According to the previously adopted IS/MND, Dry Canyon Creek was listed impaired under CWA section 303(d) by the Los Angeles RWQCB. This creek is still listed on the 303(d) list (SWRCB, 2012). This listing requires development of measures to ensure that the proposed project does not contribute to the pollutant load in the creek. Upon completion of the proposed project, runoff would continue to flow into the Creek. The project site, in its current condition, is undeveloped and any disturbances such as the removal of vegetation, compaction of soils, and paving over of permeable surfaces would have the potential to create a significant impact on the hydrology of the watershed. Similar to the previously approved project, the current proposed project consists of grading, clearing and the construction of a single-family residence with a swimming pool, driveway, and landscaping. Although all proposed development activities would be located in areas of the site at least 100 feet from the drainage course, the development of current undeveloped land would increase surface water runoff.

The current proposed project would be subject to the requirements of the Los Angeles County Stormwater Ordinance and the City's RMP ordinance. Because the project would contribute to increased runoff increased onsite impervious surface, mitigation measures HWQ-1 through HWQ-5 were required in the previously adopted IS/MND. These mitigation measures would continue to apply to the current proposal. Similar to the original proposal, impacts would be less than significant with mitigation. The proposed project would not create any new significant impacts or increase the severity of impacts beyond those identified in the Final IS/MND.

Land Use and Planning

As discussed in the previously adopted IS/MND, the project site is not subject to a habitat conservation plan or natural community conservation plan, and development of the project site would not physically divide an established community. The project site has the same zoning as was in place under the previously adopted project. The project site is zoned hillside Mountainous (HM) and a portion of the site is within a Scenic Corridor (-SC) overlay (City of Calabasas Zoning Map, 2014). According to the previously adopted IS/MND, the project site had a General Plan land use designation of Rural Residential (RR). According to the current 2030 General Plan, the project site has a land use designation of Hillside Mountainous. The proposed project is consistent with the land use designation and zoning. No impact would occur with respect to land use and planning. The proposed project would not create any new significant impacts or increase the severity of impacts beyond those identified in the Final IS/MND.

Mineral Resources

As discussed in the previously adopted IS/MND, the project would not result in the loss of availability of a mineral resource. As with the original proposal, the current proposed project would have no impact with respect to mineral resources. The proposed project would not create any new significant impacts or increase the severity of impacts beyond those identified in the Final IS/MND.

Noise

As discussed in the previously adopted IS/MND, the project site is in a quiet residential area that is not subject to substantial noise from vehicle traffic, airports, or other noise sources. Similar to the original proposal, the current proposed project would incrementally increase

traffic and associated noise, but the limited number of trips associated with the proposed one-unit project (about 10 daily trips) would not generate noise exceeding local standards or thresholds. No significant impacts related to long-term noise exposure would occur.

Similar to the original proposal, the current proposed project would generate construction noise that would be audible at adjacent residences and at Viewpoint School, whose buildings are located approximately 250 feet from the project site. These receptors may experience significant temporary noise impacts during certain components of the construction period. Because the proposed project would involve a single-family residence of a similar size and the same amount of grading, noise levels during construction would be similar to what was analyzed in the previous IS/MND. The previous IS/MND found that due to the temporary nature of construction, impacts would be less than significant. Impacts would remain less than significant with the current proposed project. Nevertheless, mitigation measures N-1 and N-2 were recommended to limit construction hours and locate stationary construction equipment as far away from sensitive receptors as feasible. These mitigation measures are also recommended for the current proposed project. The proposed project would not create any new significant impacts or increase the severity of impacts beyond those identified in the Final IS/MND.

Population and Housing

As discussed in the previously adopted IS/MND, the project site is vacant; therefore, site development would have no impact relative to displacement of people or housing. The original project was also determined to have no impact with respect to inducing substantial growth in the area. Like the original project, the current proposed project involves a single-family residence. No impact would occur with respect to population and housing. The proposed project would not create any new significant impacts or increase the severity of impacts beyond those identified in the Final IS/MND.

Public Services

As discussed in the previously adopted IS/MND, the original project would not significantly affect such services as fire and police protection, parks, and schools. The current proposed project involves one single-family residence, the same as the proposed project. Therefore, the current proposed project would generate the same level of demand for these services and, like the original proposal, would not generate the need for new facilities. As with the original proposal, significant impacts would not occur with respect to public services. The proposed project would not create any new significant impacts or increase the severity of impacts beyond those identified in the Final IS/MND.

Recreation

As discussed above, the current proposed project would not create the need for new parks. In addition, it would have no direct effect on any existing parks. Similar to the original proposal, the current proposed single-family residence would not have significant impacts related to recreation. The proposed project would not create any new significant impacts or increase the severity of impacts beyond those identified in the Final IS/MND.

Transportation/Circulation

As discussed in the previously adopted IS/MND, the original proposal for the site would have no impact relative to air traffic, traffic hazards, emergency access, parking, or alternative transportation. The current proposed project also involves a single-family residence of similar size and building footprint and would similarly have no impact. According to the previously adopted IS/MND, based on average trip generation rates for single family residences, as reported by the Institute of Transportation Engineers (ITE) *Trip Generation* 7th Edition (2003), one single-family residence would generate about 10 daily vehicle trips on weekdays, including one AM peak hour and one PM peak hour trip. Based on updated ITE trip generation rates (*Trip Generation,* 9th Edition, 2012), the proposed single-family residence would still generate an estimated 10 daily vehicle trips including one AM peak hour and one PM peak hour trip. The current proposed project would not significantly affect traffic service levels in the area circulation system. The proposed project would not create any new significant impacts or increase the severity of impacts beyond those identified in the Final IS/MND.

Utilities and Service Systems

As discussed in the previously adopted IS/MND, the original proposal for the project site would not significantly affect wastewater, stormwater, or solid waste disposal systems or facilities. Like the previous project, the current proposed project would involve an approximately 8,500 square foot single-family residence. Impacts with respect to wastewater, stormwater, and solid waste would be similar to those of the previously proposed project and would be less than significant.

According to the previously adopted IS/MND, impacts related to water demand would be significant but mitigable. Mitigation Measure U-1 which incorporated the City's water conservation performance objectives was required. The requirements of Mitigation Measure U-1 included: incorporation of drought tolerant and low water using plants; incorporation of water-efficient irrigation techniques, and installation of water-efficient indoor fixtures and appliances. Since the time of adoption of the Final IS/MND, other regulatory requirements have been adopted that would include these provisions. Section 17.26.050 of the Calabasas Municipal Code requires smart irrigation controllers and the use of native and drought-tolerant plant materials. In accordance with these requirements, the updated planting plans for the current proposed project incorporates drought-tolerant plants such as olive trees, rosemary and agave shrubs, and dwarf coyote brush. In addition, the California Residential Building Code (Title 24, Part 2.5) requires water-efficient and low flow indoor plumbing fixtures. Therefore, the provisions of Mitigation Measure U-1 would be incorporated into the current proposed project. As with the original proposal, impacts relative to water demand would be less than significant. The proposed project would not create any new significant impacts or increase the severity of impacts beyond those identified in the Final IS/MND.

Mandatory Findings Of Significance

As discussed above and throughout the previously adopted IS/MND, the original proposal for the project site would not cause any unavoidably significant impacts to biological or cultural resources, would not cause substantial effects to human beings, and would not substantially contribute to any cumulative impacts. The current proposed project would generally have similar impacts with respect to these issues and, as with the original proposal, all potentially

significant impacts can be mitigated to below a level of significance. The proposed project would not create any new significant impacts or increase the severity of impacts beyond those identified in the Final IS/MND.

REFERENCES

Calabasas, City of, SR-4 Development LLC Residence: Dry Canyon Cold Creek Road (APN 2072-001-018) Initial Study/Mitigated Negative Declaration, adopted June 2010.

Kay J. Greeley. July 16, 2015. *Oak Tree Report.*

Calabasas, City of. May 2014. City of Calabasas Zoning Map. Available: http://www.cityofcalabasas.com/pdf/documents/planning/zoning-map.pdf

Calabasas, City of. 2030 General Plan Land Use Map. Available: http://www.cityofcalabasas.com/pdf/Mtnview/General-Plan-Land-Use-Map.pdf

Institute of Transportation Engineers, Trip Generation, 9th Edition, 2012.

State Water Resources Control Board (SWRCB). 2012. *Category 5, 2012 California 303(d) List of Water Quality Limited Segments.* Available: http://www.waterboards.ca.gov/water_issues/programs/tmdl/2012state_ir_reports/category5_report.shtml

Appendix A

Oak Tree Report

Oak Tree Report

Site:

Single-Family Residence

APN 2072-001-018

Calabasas, California 91302

Prepared for:

Attention: Victor Hadad

Tarzana Properties LLC

7736 Deering Avenue

Canoga Park, California 91304

Prepared by:

Kay J. Greeley

Board Certified Master Arborist WC-1140B

284 Valley Gate Road

Simi Valley, California 93065

(805) 577-8432

Date:

July 16, 2015

TABLE OF CONTENTS

INTRODUCTION 1

SCOPE OF WORK 1

TREE CHARACTERISTICS AND SITE CONDITIONS 2

TREE HEALTH 2

VALUATION 4

IMPACT ANALYSIS AND SPECIFIC RECOMMENDATIONS 4

GENERAL RECOMMENDATIONS 6

- WORK WITHIN THE PROTECTED ZONE 6
- WORK OUTSIDE OF THE PROTECTED ZONE 7
- PLANTING WITHIN THE PROTECTED ZONE 7
- TREE MAINTENANCE AND PRUNING OPERATIONS 7
- WATERING AND FERTILIZATION 8
- DISEASES AND INSECTS 8
- GRADE CHANGES 9
- INSPECTION 9

WARRANTY 10

APPENDIX A – FIELD EVALUATION FORMS 11

APPENDIX B - PHOTOGRAPHS 131

APPENDIX C – TABLES 142

APPENDIX D – OAK TREE LOCATION MAP 149

Oak Tree Report

Single-Family Residence
23604 Dry Canyon Cold Creek Road
Calabasas, California 91302

INTRODUCTION

This Oak Tree Report was prepared at the request of Victor Hadad, Tarzana Properties LLC. Tarzana Properties proposes to construct a new single-family residence on the vacant parcel having Los Angeles County Assessor's ID number 2072-001-0189 on Dry Canyon Cold Creek Road, Calabasas. The subject parcel is west of 23604 Dry Canyon Cold Creek Road.

There are 60 native oak trees located within the immediate vicinity of this work, including 11 Heritage oaks. Portions of the proposed residence, driveway and retaining walls are within the vicinity of protected oak trees growing within the site. Construction activities associated with this project will require encroachment within the protected zones of 10 of the subject trees, including four of the Heritage oaks. One oak tree removal would be required to construct the driveway. The remaining 49 oak trees will not experience any direct impacts. No canopy pruning is anticipated.

This report was prepared in accordance with Section 17.26.070 of the Municipal Code of the City of Calabasas, relating to oak trees. The City of Calabasas lies within a unique area of Los Angeles County, the beauty and welfare of which is greatly enhanced by the presence of large numbers of oak trees and scrub oak habitat areas. Past development of the area resulted in removal of a great number of these trees and diminished resource habitat areas. Further destruction of these finite resources would detrimentally affect the ecosystem and aesthetics of the city.

It is the policy of the city to preserve and enhance its ecosystem, one element being its inventory of oak trees and scrub oak habitat, due in part to their contribution to the hardwood canopy and wildlife habitat. Other identified benefits of oak trees and scrub oak habitat to the health, safety and welfare of the citizens of Calabasas include but are not limited to, erosion control, solar benefits, dust control, visual enjoyment, energy reduction, property values and the sense of community and place created by the surrounding vistas.

Any person or entity that owns, controls or has custody or possession of any real property within the city shall maintain all oak trees and scrub oak habitat located thereon in a state of good health pursuant to the most current "Oak Tree Preservation and Protection Guidelines" as adopted by a resolution of the City Council and which may be found on file in the office of the city clerk.

SCOPE OF WORK

The scope of work included a full ground field observation of the cultural and physical conditions of the 60 oak trees located on and within the immediate vicinity of the subject property.

Additional oak trees are located on parcels adjacent to the subject site. The oak trees on the adjacent parcels are outside of the anticipated work area and would not be impacted by the project as proposed. Photographs for reference and record purposes are included in Appendix B. An Oak Tree Location Map was created utilizing the project site plan and is included in Appendix D. Original field data was collected on May 24 and May 26 through 29, 2015 by associate Certified Arborist Thomas Juhasz. All information provided by the preparer is certified by the preparer to be true and correct as of the date of the field observations.

TREE CHARACTERISTICS AND SITE CONDITIONS

A reference number from 1 through 68 is shown for each tree on the Oak Tree Location Map in Appendix D. Numbers 2 through 7, 25 and 30 were not used. Fifty-six of the trees are *Quercus agrifolia*, commonly referred to as coast live oak. The remaining four trees are *Q. berberidifolia*, commonly referred to as scrub oak. Tree #1, #11, #21, #26, #27, #29, #31, #40, #42, #47, and #49 are Heritage oaks; their trunk diameters are at least 24 inches as measured at breast height. Each of the 60 trees appears to have grown naturally in place. Detailed information with respect to trunk diameter(s), height, canopy dimensions, form, crown class, age class, and pruning history is provided for each of the subject trees on the Field Evaluation Forms contained in Appendix A.

The majority of the oak trees are located on the northerly and easterly portions of the site. The remaining oaks are scattered about the westerly and southerly portions of the site, which slopes upward from the street toward the south and the east. The property is currently vacant.

TREE HEALTH

The oak trees exhibit normal foliage color with no signs of epicormic growth. They range in condition from Very Poor to Excellent, as evaluated on Table 1 in Appendix C. One coast live oak, #50 is dead. Detailed information with respect to tree health issues and defects is documented for each of the subject trees in the Field Evaluation Forms contained in Appendix A.

The overall health and vigor ratings were evaluated as follows:

Tree	Rating
1	A
8	B
9	C
10	B
11	A
12	C
13	B
14	B
15	A

Tree	Rating
16	B
17	B
18	B
19	B
20	B
21	B
22	B
23	C
24	B
26	B
27	B
28	B
29	A
31	B
32	B
33	B
34	B
35	A
36	C
37	B
38	B
39	B
40	B
41	B
42	B
43	C
44	B
45	C
46	C
47	B
48	B

Tree	Rating
49	B
50	F
51	B
52	C
53	C
54	C
55	C
56	C
57	C
58	C
59	C
60	C
61	B
62	B
63	B
64	B
65	B
66	B
67	B
68	B

VALUATION

The value of each tree was calculated in accordance with the PRC standards of the City of Calabasas. Detailed calculations are provided in the Table 1 and Table 2 in Appendix C. The total PRC value for the 60 trees evaluated was calculated at $1,424,000.

IMPACT ANALYSIS AND SPECIFIC RECOMMENDATIONS

RESIDENCE AND RETAINING WALLS

As previously noted, a single-family residence would be constructed on the presently vacant site. Tree #40, a Heritage oak, would experience encroachment by the two retaining walls required to construct the pad for the residence. Excavation would occur in a small area approximately 15 feet from the trunk within the northerly portion of the protected zone. Excavation would also occur approximately 25 from the trunk, outside the drip line, within the

southeasterly portion of the protected zone. Over-excavation for the garage would occur within 25 feet from the trunk, also outside the drip line but within the protected zone, on the easterly side of the tree. An initial trench should be hand-excavated along the outer work limits at the start of construction and all roots one inch in diameter or greater should be cut cleanly, perpendicular to the root. This work should be performed under the direct observation of this office to insure that impacts are minimized.

Tree #42, a Heritage oak and Tree #41 would experience encroachment by grading for the northernmost retaining wall required to construct the pad for the residence. Fill would be placed to a point approximately 40 feet and 18 feet respectively from the southerly sides of the trees' trunks.

Should any incidental roots one inch in diameter but less than two inches in diameter be encountered within the areas of excavation, they should be cut cleanly at the edge of the excavation. Based on these guidelines, the trees should not suffer from adverse impacts. If roots over two inches in diameter must be excised from a given tree, this office should be contacted to perform further evaluation of tree stability. The evaluation will consider the size of the roots and their distance from the trunk of the given tree.

DRIVEWAY, RETAINING WALLS AND DRAINAGE STRUCTURES

Two retaining walls and associated drainage structures would be constructed within the northerly portion of the property to support grade modifications to accommodate the driveway. This work will encroach within the protected zones of Heritage Oak trees #1 and #42. Tree #1 would experience encroachment by the proposed retaining wall to be constructed near a portion of the northerly property line. Given that the new retaining wall will be located 33 feet away from the trunk it is not anticipated that any structural roots will be encountered. Tree #58 would experience encroachment by the construction of a rip rap dissipater at the easterly end of this retaining wall. Although construction of the dissipater would come within four feet of the tree's trunk, given the very young age of this two-inch diameter tree, the tree should be able to recover from any minor impacts that might be sustained during construction. Trees #41 and #42 would experience encroachment by construction of a concrete v-ditch required for drainage as a result of construction of a retaining wall along the westerly side of the driveway. The v-ditch would be located 15 feet and 47 feet respectively, from the trees' trunks.

Tree #39 would experience minor encroachment by grading to construct the driveway. Fill would be placed within 14 feet from the westerly side of the trunk at the edge of the tree's protected zone. Tree #37 would experience minor encroachment on its westerly and southerly sides by grading to construct the driveway and the required Fire Department turn-around. Fill would be placed within 18 feet of the trunk. Tree #31, #33 and #35 would experience encroachment from grading for the turn-around and for the turn-around itself. Excavation would occur approximately 38 feet, seven feet and 19 feet respectively, from the trees' trunks. All work within the protected zones of the trees should take place by hand; no drill rig or mechanized excavation equipment should be utilized. Tree #38 would require removal to construct the driveway.

Given the distance of the grading from the trunks of the trees discussed above, it is not anticipated that any structural roots will be encountered. Should any incidental roots be encountered along the retaining wall foundation excavation, they should be cut cleanly at the edge of the excavation. The trees should not suffer from adverse impacts as a result of this work.

PROTECTIVE FENCING

Protective fencing is required by the City Oak Tree Preservation Guidelines. The fencing should be installed at the outermost edges of the protected zones of each group of oak trees at the edges facing proposed construction. Trees #40 and #41 should be fenced as individual trees with fencing encompassing each tree installed at the outermost edges of their protected zones. The fencing will need to be temporarily moved when approved work is occurring in the protected zone of each tree.

Overall, the amount of the protected zone impacted for all of the oak tree resources is approximately five percent, as shown on Table 3 in Appendix C. If the above specific recommendations are followed, it is our opinion that the subject trees can sustain the proposed impacts with no long term adverse impacts. It is recommended that the trees receive annual inspection by a qualified oak tree consultant following construction to insure that they remain in the best possible health. It is also recommended that any disturbed areas beneath the dripline of each tree be covered with three inches (3”) of bark mulch upon completion of the project to promote soil health.

GENERAL RECOMMENDATIONS

The following general recommendations should be followed to establish and maintain a healthy cultural environment for oak trees. It must be understood that these recommendations apply to oak trees in general; specific questions should always be referred to the oak tree consultant.

WORK WITHIN THE PROTECTED ZONE

The protected zone is an area surrounding a tree, defined by the City of Calabasas. It includes all area within the dripline of the tree, plus five feet beyond the dripline. This distance must generally be no less than 15 feet from the trunk. For Heritage Oaks, the area is increased to a diameter of 50 feet. Given the high sensitivity of oak trees, great care must be taken when work is conducted within the protected zone. Specifically:

Observation -- All work conducted within the protected zone of an oak tree should be performed within the presence of a qualified oak tree consultant. Usually this work will also require a permit from the City of Calabasas. This will help to insure that work is performed in a manner that will not harm a tree.

Notice -- Forty-eight hours notice should be provided to the oak tree consultant prior to the planned start of work. This notification must usually be provided to the City of Calabasas also. The notice will insure that the project receives the highest possible scheduling priority and avoid delays.

Hand Tools -- All work should be accomplished with the use of hand tools only. Except under special circumstances, tractors, backhoes and other vehicles cannot be operated in a manner that will preserve major tree roots, minimize soil compaction, and insure the safety of both the vehicle operator and the tree.

Certification -- All work conducted within the protected zone should be certified by a qualified oak tree consultant. For work performed under a permit, this may be a requirement of the City of Calabasas.

WORK OUTSIDE OF THE PROTECTED ZONE

To protect trees within the vicinity of major construction, trees should usually be temporarily fenced at the edge of the protected zone prior to the beginning of construction operations on a site. The fence should be constructed of chain link material, a minimum of five feet in height. The project arborist should be contacted to develop a fencing plan, generally required by the City of Calabasas. The fence may be removed at the completion of the construction upon approval by the City of Calabasas. Fencing may not be required for some projects; always contact the project arborist for recommendations.

PLANTING WITHIN THE PROTECTED ZONE

Planting within the protected zone of an oak tree is discouraged. Ideally, the leaf litter from the tree should be allowed to collect beneath the tree, creating a natural mulch and fertilizer. If planting is necessary or the natural leaf litter is removed, the following should be considered:

Plant Material -- Only drought tolerant plantings should be utilized. All plantings should be compatible with native oak trees. A good reference for compatible plant material is Compatible Plantings under and around Oaks by the California Oak Foundation.

Irrigation -- No spray-type irrigation systems should be used within the protected zone. It is important that sprinkler systems do not throw water against the trunk of an oak tree. A continuously wet soil condition near the root crown, the area where the tree trunk meets the ground, favors the growth of predatory disease organisms. The two most prominent organisms in Southern California are avocado root rot (*Phytophthora cinnamomi*) and oak root fungus (*Armillaria mellea*). As an absolute minimum, all spray irrigation should be located at least 15 feet from the trunk.

Resistant Varieties -- Avoid plants that are susceptible to either avocado root rot or oak root fungus. Oak trees are particularly susceptible to these diseases in developed areas. Avoiding other plants susceptible to these diseases will also help to keep the diseases in a dormant state. Consult publications by the University of California Cooperative Extension for plant lists.

Mulch -- Place a three-inch (3”) thick layer of organic mulch throughout the protected zone of each tree, keeping the mulch slightly away from the trunk. Aesthetically pleasing options include crushed walnut hulls and shredded bark. These mulches are beneficial when the natural leaf litter is not available, minimizing evaporation and providing weed control.

TREE MAINTENANCE AND PRUNING OPERATIONS

Most oak trees require very little pruning, with the exception of periodic deadwooding. However, if a tree has a major defect, the employment of proper pruning practices may be more desirable than the uncontrolled damage that could otherwise occur. Always consult qualified professionals for advice.

Ornamental or Aesthetic Pruning -- Removal of live tissue for the purpose of altering the appearance of an oak tree is not desirable and is generally not allowed by the City of Calabasas. Activities such as thinning out, heading up, or other similar practices contribute to the onset of insect and disease attacks.

Deadwooding -- Removal of dead tissue, regardless of size, may usually be performed without a permit. All pruning should follow standards endorsed by the International Society of Arboriculture.

Other Pruning Operations -- Branches that are considered to be unsafe due to decay, cavities, cracks, physical imbalance, fire damage, disease, or insects should be referred to a qualified oak tree consultant for inspection, especially if the branches exceed two inches in diameter. A permit is generally required to remove such branches. A brief written report will be prepared by the oak tree consultant to provide the basis for the request.

Cavities and Hollows -- Cavities and hollows should be kept free of loose debris. Some contain decayed wood; these should generally be referred to a qualified arborist for treatment. Concrete or other materials should not be used to seal or fill in cavities or hollows. These materials create a haven for diseases and insects over time. Openings may be covered with screening to prevent debris build-up.

Wound Seal -- Pruning wounds should generally not be sealed with any type of compound. Over time, these materials crack and create entry points for disease and insects. A proper pruning cut will heal naturally over a short period of time.

WATERING AND FERTILIZATION

Winter rains should be sufficient to provide the water needed for oak trees in natural areas. Oak trees in landscaped areas will usually receive enough water from adjacent plantings. If you suspect that an oak tree is in need of supplemental water, contact a qualified oak tree consultant for advice.

Watering -- If supplemental water is required, use a water probe, such as a "Ross Root Feeder" to apply the water. Alternatively, a low volume soaker hose could be utilized. Apply the water at various locations, just outside the dripline of the tree. A total of fifteen to twenty hours of low volume application should suffice. Repeat this watering cycle every one to two months as needed. Water should generally not be applied in the summer, as most oak trees are dormant and cannot accept the water.

Fertilization -- Fertilizer can be applied along with the water. A total of 0.75 pound of actual nitrogen per inch of trunk diameter per year is a basic rule-of-thumb. However, ask a local certified nurseryman for a specific recommendation and follow the manufacturer's directions carefully. Over-fertilization can be deadly.

Aeration -- Ventilation of the root system can be very beneficial in areas where soil has been compacted. Hand dig holes six inches in diameter to a depth of two feet. Do not cut any roots in excess of one inch in diameter. Dig the holes two feet on center, in concentric circles around the trunk, throughout the dripline. If possible, add holes outside of the dripline. Fill the holes with an organic matter. If oak leaf litter is not available, a mixture such as fifty percent "Kellogg's Nitrohumus" and fifty- percent nitrolized redwood shavings will be beneficial. This organic matter will be decomposed, producing a year-round source of fertilizer for the oak tree.

DISEASES AND INSECTS

Effective pest control starts with observation by the homeowner. Changes, such as abnormal leaf drop, oozing sap, and discolored or dying leaves indicate that something has changed and expert inspection is required. Tree owners should be very careful when using pesticides around an oak tree. Herbicides should never be utilized within 100 feet of an oak tree, unless applied by a certified pesticide applicator. Misuse of these compounds can lead to the death of beneficial organisms or even to the death of the tree.

GRADE CHANGES

Any change to the grade at the root crown of an oak tree can have a negative impact. As little as six inches of change can lead to the death of the tree. Drainage patterns should be maintained to prevent water from flowing and ponding at the base of a tree. If fill soil exists, use a shovel to remove the excess soil. The flare at the root crown should just be visible.

INSPECTION

Oak trees should be inspected on a periodic basis by a qualified oak tree consultant. The inspection basis should be determined by the relative hazard value of the tree. For example, trees surrounding a high-use business should be inspected on a quarterly basis, whereas trees located within a low-use open space might only require bi-annual inspection. It is the responsibility of the property owner to establish and implement an appropriate inspection schedule upon the recommendation provided by the oak tree consultant.

WARRANTY

The trees discussed herein were generally reviewed for physical, biological, functional, and aesthetic conditions. This examination was conducted in accordance with presently accepted industry procedures: an at-grade, macro-visual observation only. No extensive microbiological, soil/root excavation, upper crown examination, nor internal tree investigation was conducted and therefore, the reportings herein reflect the overall visual appearance of the trees on the date reviewed. No warranty is implied as to the potential failure, health or demise of any part or the whole of any tree described in this report.

Clients are advised that should physical or biological concerns be evidenced for any specimen within this report, prudent further investigation, detailed analysis or remedial action may be required.

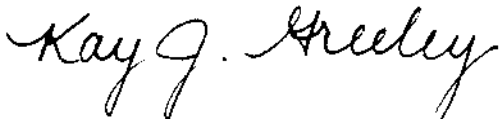
As living organisms, plants continually exhibit growth and response to environmental changes that influence the development, health and vigor of the specimen. These influences may not be externally visible and may be present or develop over various time periods depending on the site conditions.

It is recommended that due to the general nature of plant development and continued environmental and physical influences on vegetation at a specific site, regular monitoring by a qualified arborist is scheduled.

Locations of property lines or exact tree locations, site amenities, structures or easements are assumed to be as illustrated on any enclosed maps. They are a composite of information provided by the client, records of fact and/or on-site field review. No investigation was made to verify these conditions.

This report represents the independent opinion of the preparer and was conducted per the client's scope of request. The report is therefore limited to the extent described herein.

Respectfully submitted,



Kay J. Greeley, BCMA

APPENDIX A – FIELD EVALUATION FORMS

FIELD EVALUATION FORM

Owner: _____ ☐ public ☒ private ☐ unknown ☐ other: _____

Site/Address: _____ Thomas Guide: Page: ____ Coordinate: ____

Date: 05/27/2015 Inspector: _____ Date of last inspection: _____ ☐ not previously inspected

TREE CHARACTERISTICS

Tree #: 1 Species: ☒ *Quercus agrifolia* ☐ *Quercus lobata* ☐ other _____

# of trunks: 1 dbH (inches): 26 Height (feet): 45

Compass direction	N	NE	E	SE	S	SW	W	NW
Dripline (feet)	22	17	15	18	19	20	22	23
Clearance to canopy (feet)	40	40	40	20	30	15	20	25

Form: ☒ generally symmetric ☐ minor asymmetry ☐ major asymmetry ☐ stump sprout ☐ stag-headed

Crown class: ☒ dominant ☐ co-dominant ☐ intermediate ☐ suppressed

Age class: ☐ young ☐ semi-mature ☒ mature ☐ over-mature/senescent Live crown ratio (conifers only): _____%

Pruning history: ☐ crown cleaned ☐ excessively thinned ☐ topped ☐ crown raised ☐ pollarded ☐ crown reduced ☐ flush cuts ☐ cabled/braced ☒ none ☐ multiple pruning events Approximate dates: _____ ☐ unknown

Special Value: ☐ specimen ☐ heritage/historic ☒ wildlife ☐ unusual ☒ street tree ☒ screen ☒ shade ☒ indigenous ☒ protected by government agency

TREE HEALTH

Foliage color: ☒ normal ☐ chlorotic ☐ necrotic

Epicormics? Y (N) Twig Dieback? Y (N)

Foliage density: ☒ normal ☐ sparse

Leaf size: ☒ normal ☐ small

Annual shoot growth: ☐ excellent ☒ average ☐ poor

Woundwood development: ☐ excellent ☒ average ☐ poor ☐ none

Vigor class: ☐ excellent ☒ average ☐ fair ☐ poor

Growth obstructions: ☐ stakes ☐ wire/ties ☐ signs ☐ cables ☐ curb/pavement ☐ guards ☐ other _____

Major pests/diseases: _____

SITE CONDITIONS

Site character: ☒ residence ☐ commercial ☐ industrial ☐ park ☒ open space ☒ natural ☒ woodland/forest

Landscape type: ☐ parkway ☐ raised bed ☐ container ☐ mound ☐ lawn ☒ shrub border ☐ wind break

Irrigation: ☐ none ☐ adequate ☐ inadequate ☐ excessive ☐ trunk wetted Pavement lifted? Y (N)

Recent site disturbance? Y (N) ☐ construction ☐ soil disturbance ☐ grade change ☐ line clearing ☐ site clearing

% dripline paved:	0%	10-25%	25-50%	50-75%	75-100%
% dripline w/fill soil:	0%	10-25%	25-50%	50-75%	75-100%
% dripline grade lowered:	0%	10-25%	25-50%	50-75%	75-100%

Soil problems: ☐ drainage ☐ shallow ☐ compacted ☐ droughty ☐ saline ☐ alkaline ☐ acidic ☐ small volume ☐ disease center ☐ history of failure ☐ clay ☐ expansive ☐ slope _____° aspect _____

Obstructions: ☐ lights ☐ signage ☐ line-of-sight ☐ view ☐ overhead lines ☐ underground utilities ☐ traffic ☐ adjacent vegetation ☐ other _____

Exposure to wind: ☒ single tree ☐ below canopy ☐ above canopy ☐ recently exposed ☐ windward, canopy edge ☐ area prone to windthrow

Prevailing wind direction: _____ Occurrence of snow/ice storms: ☒ never ☐ seldom ☐ regularly

FIELD EVALUATION FORM - PAGE 2 OF 2

Tree Number 1

TARGET

Use Under Tree: ☐ building ☒ parking ☒ traffic ☐ pedestrian ☐ recreation ☒ landscape ☐ hardscape ☐ small features ☐ utility lines Can target be moved? Y N Can use be restricted? Y N

Occupancy: ☐ occasional use ☐ intermittent use ☒ frequent use ☐ constant use

TREE DEFECTS - Noted as applicable

ROOT DEFECTS: Suspect root rot? Y N Mushroom/conk present? Y N ID: _____

Exposed roots: ☐ severe ☐ moderate ☐ low Undermined: ☐ severe ☐ moderate ☐ low

Root pruned: _____ feet from trunk Root area affected: _____% Buttress wounded? Y N When: _____

Restricted root area: ☐ severe ☐ moderate ☐ low Potential for root failure: ☐ severe ☐ moderate ☐ low

LEAN: _____ degrees from vertical ☐ natural ☐ unnatural ☐ self-corrected Soil heaving? Y N

Decay in plane of lean? Y N Roots broken? Y N Soil cracking? Y N Lean severity: ☐ severe ☐ moderate ☐ low

Compounding factors: _____

CROWN DEFECTS: S = severe, M = moderate, L = low

DEFECT	ROOT CROWN	TRUNK	SCAFFOLDS	BRANCHES
Poor taper				
Bow, sweep				
Co-dominants, forks				
Multiple attachments				
Included bark				
Excessive end weight				
Cracks/splits				
Hangers				
Girdling				
Wounds/seam				
Decay				
Cavity				
Conks/mushrooms				
Bleeding/sap flow				
Loose/cracked bark				
Nesting hole/bee hive				
Deadwood/stubs				
Borers/termites/ants				
Cankers/gails/burls				
Previous failure				

RECOMMENDED TREATMENT

Prune: ☐ remove defective part ☐ reduce end weight ☐ crown clean ☐ thin ☐ raise canopy ☐ crown reduce ☐ restructure ☐ shape

Pest control: _____ Cable/Brace: _____

Other Activities: ☐ aerate soil ☐ remove fill soil ☐ remove irrigation/planting ☐ remove wire, etc. ☐ fertilize/water

Inspect further: ☐ root crown ☐ decay ☐ aerial ☐ monitor Remove tree? Y N Replace tree? Y N Move target:? Y N Other: _____ ☒ no action required at this time

Effect on adjacent trees: ☒ none ☐ evaluate Notification: ☒ owner ☐ manager ☒ governing agency Date: See Tree Report

ADDITIONAL COMMENTS

FIELD EVALUATION FORM

Owner: _____ ☐ public ☐ private ☐ unknown ☐ other: _____

Site/Address: _____ Thomas Guide: Page: ____ Coordinate: ____

Date: 05/26/2015 Inspector: TJ Date of last inspection: _____ ☐ not previously inspected

TREE CHARACTERISTICS

Tree #: 8 Species: ☒ *Quercus agrifolia* ☐ *Quercus lobata* ☐ other _____

# of trunks: 1 dbH (inches): 13 Height (feet): 40

Compass direction	N	NE	E	SE	S	SW	W	NW
Dripline (feet)	11	6	8	0	0	15	20	16
Clearance to canopy (feet)	12	10	8	0	0	20	15	20

Form: ☐ generally symmetric ☒ minor asymmetry ☐ major asymmetry ☐ stump sprout ☐ stag-headed

Crown class: ☐ dominant ☒ co-dominant ☐ intermediate ☐ suppressed

Age class: ☐ young ☐ semi-mature ☒ mature ☐ over-mature/senescent Live crown ratio (conifers only): _____%

Pruning history: ☐ crown cleaned ☐ excessively thinned ☐ topped ☐ crown raised ☐ pollarded ☐ crown reduced ☐ flush cuts ☐ cabled/braced ☒ none ☐ multiple pruning events Approximate dates: _____ ☐ unknown

Special Value: ☐ specimen ☐ heritage/historic ☒ wildlife ☐ unusual ☐ street tree ☒ screen ☒ shade ☒ indigenous ☒ protected by government agency

TREE HEALTH

Foliage color: ☒ normal ☐ chlorotic ☐ necrotic

Epicormics? Y (N) Twig Dieback? Y (N)

Foliage density: ☒ normal ☐ sparse

Leaf size: ☒ normal ☐ small

Annual shoot growth: ☐ excellent ☒ average ☐ poor

Woundwood development: ☐ excellent ☒ average ☐ poor ☐ none

Vigor class: ☐ excellent ☒ average ☐ fair ☐ poor

Growth obstructions: ☐ stakes ☐ wire/ties ☐ signs ☐ cables ☐ curb/pavement ☐ guards ☐ other _____

Major pests/diseases: _____

SITE CONDITIONS

Site character: ☒ residence ☐ commercial ☐ industrial ☐ park ☒ open space ☒ natural ☒ woodland/forest

Landscape type: ☐ parkway ☐ raised bed ☐ container ☐ mound ☐ lawn ☒ shrub border ☐ wind break

Irrigation: ☒ none ☐ adequate ☐ inadequate ☐ excessive ☐ trunk wetted Pavement lifted? Y N

Recent site disturbance? Y (N) ☐ construction ☐ soil disturbance ☐ grade change ☐ line clearing ☐ site clearing

% dripline paved: 0% 10-25% 25-50% 50-75% 75-100%

% dripline w/fill soil: 0% 10-25% 25-50% 50-75% 75-100%

% dripline grade lowered: 0% 10-25% 25-50% 50-75% 75-100%

Soil problems: ☐ drainage ☐ shallow ☐ compacted ☐ droughty ☐ saline ☐ alkaline ☐ acidic ☐ small volume ☐ disease center ☐ history of failure ☐ clay ☐ expansive ☐ slope _____° aspect _____

Obstructions: ☐ lights ☐ signage ☐ line-of-sight ☐ view ☐ overhead lines ☐ underground utilities ☐ traffic ☐ adjacent vegetation ☐ other _____

Exposure to wind: ☐ single tree ☒ below canopy ☐ above canopy ☐ recently exposed ☐ windward, canopy edge ☐ area prone to windthrow

Prevailing wind direction: _____ Occurrence of snow/ice storms: ☒ never ☐ seldom ☐ regularly

FIELD EVALUATION FORM - PAGE 2 OF 2

Tree Number 8

TARGET

Use Under Tree: ☐ building ☐ parking ☐ traffic ☐ pedestrian ☐ recreation ☒ landscape ☐ hardscape ☐ small features ☐ utility lines **Can target be moved?** Y (N) **Can use be restricted?** (Y) N

Occupancy: ☒ occasional use ☐ intermittent use ☐ frequent use ☐ constant use

TREE DEFECTS - Noted as applicable

ROOT DEFECTS: **Suspect root rot?** Y (N) **Mushroom/conk present?** Y (N) **ID:** _____

Exposed roots: ☐ severe ☐ moderate ☐ low **Undermined:** ☐ severe ☐ moderate ☐ low

Root pruned: _____ feet from trunk **Root area affected:** _____% **Buttress wounded?** Y N **When:** _____

Restricted root area: ☐ severe ☐ moderate ☐ low **Potential for root failure:** ☐ severe ☐ moderate ☐ low

LEAN: _____ degrees from vertical ☐ natural ☐ unnatural ☐ self-corrected **Soil heaving?** Y N

Decay in plane of lean? Y N **Roots broken?** Y N **Soil cracking?** Y N **Lean severity:** ☐ severe ☐ moderate ☐ low

Compounding factors: _____

CROWN DEFECTS: S = severe, M = moderate, L = low

DEFECT	ROOT CROWN	TRUNK	SCAFFOLDS	BRANCHES
Poor taper				
Bow, sweep				
Co-dominants, forks				
Multiple attachments				
Included bark				
Excessive end weight				
Cracks/splits				
Hangers				
Girdling				
Wounds/seam				
Decay				
Cavity				
Conks/mushrooms				
Bleeding/sap flow				
Loose/cracked bark				
Nesting hole/bee hive				
Deadwood/stubs				
Borers/termites/ants				
Cankers/galls/burls				
Previous failure				

RECOMMENDED TREATMENT

Prune: ☐ remove defective part ☐ reduce end weight ☐ crown clean ☐ thin ☐ raise canopy ☐ crown reduce ☐ restructure ☐ shape

Pest control: _____ **Cable/Brace:** _____

Other Activities: ☐ aerate soil ☐ remove fill soil ☐ remove irrigation/planting ☐ remove wire, etc. ☐ fertilize/water

Inspect further: ☐ root crown ☐ decay ☐ aerial ☐ monitor **Remove tree?** Y (N) **Replace tree?** Y (N) **Move target:?** Y (N) **Other:** _____ ☒ no action required at this time

Effect on adjacent trees: ☒ none ☐ evaluate **Notification:** ☒ owner ☐ manager ☒ governing agency Date: See Tree Report

ADDITIONAL COMMENTS

FIELD EVALUATION FORM

Owner: _____ ☐ public ☒ private ☐ unknown ☐ other: _____

Site/Address: _____ Thomas Guide: Page: ____ Coordinate: ____

Date: 05/26/2015 Inspector: TJ Date of last inspection: _____ ☐ not previously inspected

TREE CHARACTERISTICS

Tree #: 9 Species: ☒ *Quercus agrifolia* ☐ *Quercus lobata* ☐ other _____

# of trunks: 1 dbH (inches): 18 Height (feet): 20

Compass direction	N	NE	E	SE	S	SW	W	NW
Dripline (feet)	12	0	0	0	0	27	19	26
Clearance to canopy (feet)	10	0	0	0	0	5	5	8

Form: ☐ generally symmetric ☐ minor asymmetry ☒ major asymmetry ☐ stump sprout ☐ stag-headed

Crown class: ☐ dominant ☒ co-dominant ☐ intermediate ☐ suppressed

Age class: ☐ young ☐ semi-mature ☒ mature ☐ over-mature/senescent Live crown ratio (conifers only): _____%

Pruning history: ☐ crown cleaned ☐ excessively thinned ☐ topped ☐ crown raised ☐ pollarded ☐ crown reduced ☐ flush cuts ☐ cabled/braced ☒ none ☐ multiple pruning events Approximate dates: _____ ☐ unknown

Special Value: ☐ specimen ☐ heritage/historic ☒ wildlife ☐ unusual ☐ street tree ☒ screen ☒ shade ☒ indigenous ☒ protected by government agency

TREE HEALTH

Foliage color: ☒ normal ☐ chlorotic ☐ necrotic

Epicormics? Y N Twig Dieback? Y N

Foliage density: ☒ normal ☐ sparse

Leaf size: ☒ normal ☐ small

Annual shoot growth: ☐ excellent ☒ average ☐ poor

Woundwood development: ☐ excellent ☒ average ☐ poor ☐ none

Vigor class: ☐ excellent ☒ average ☐ fair ☐ poor

Growth obstructions: ☐ stakes ☐ wire/ties ☐ signs ☐ cables ☐ curb/pavement ☐ guards ☐ other _____

Major pests/diseases: _____

SITE CONDITIONS

Site character: ☒ residence ☐ commercial ☐ industrial ☐ park ☒ open space ☒ natural ☒ woodland/forest

Landscape type: ☐ parkway ☐ raised bed ☐ container ☐ mound ☐ lawn ☒ shrub border ☐ wind break

Irrigation: ☒ none ☐ adequate ☐ inadequate ☐ excessive ☐ trunk wetted Pavement lifted? Y N

Recent site disturbance? Y N ☐ construction ☐ soil disturbance ☐ grade change ☐ line clearing ☐ site clearing

% dripline paved:	0%	10-25%	25-50%	50-75%	75-100%
% dripline w/fill soil:	0%	10-25%	25-50%	50-75%	75-100%
% dripline grade lowered:	0%	10-25%	25-50%	50-75%	75-100%

Soil problems: ☐ drainage ☐ shallow ☐ compacted ☐ droughty ☐ saline ☐ alkaline ☐ acidic ☐ small volume ☐ disease center ☐ history of failure ☐ clay ☐ expansive ☐ slope _____° aspect _____

Obstructions: ☐ lights ☐ signage ☐ line-of-sight ☐ view ☐ overhead lines ☐ underground utilities ☐ traffic ☐ adjacent vegetation ☐ other _____

Exposure to wind: ☐ single tree ☒ below canopy ☐ above canopy ☐ recently exposed ☐ windward, canopy edge ☐ area prone to windthrow

Prevailing wind direction: _____ Occurrence of snow/ice storms: ☒ never ☐ seldom ☐ regularly

FIELD EVALUATION FORM - PAGE 2 OF 2 Tree Number 9

TARGET

Use Under Tree: ☐ building ☐ parking ☐ traffic ☐ pedestrian ☐ recreation ☒ landscape ☐ hardscape ☐ small features ☐ utility lines **Can target be moved?** Y (N) **Can use be restricted?** (Y) N

Occupancy: ☒ occasional use ☐ intermittent use ☐ frequent use ☐ constant use

TREE DEFECTS - Noted as applicable

ROOT DEFECTS: **Suspect root rot?** Y (N) **Mushroom/conk present?** Y (N) **ID:** _____

Exposed roots: ☐ severe ☐ moderate ☐ low **Undermined:** ☐ severe ☐ moderate ☐ low

Root pruned: _____ feet from trunk **Root area affected:** _____% **Buttress wounded?** Y N **When:** _____

Restricted root area: ☐ severe ☐ moderate ☐ low **Potential for root failure:** ☐ severe ☐ moderate ☐ low

LEAN: _____ degrees from vertical ☐ natural ☐ unnatural ☐ self-corrected **Soil heaving?** Y N

Decay in plane of lean? Y N **Roots broken?** Y N **Soil cracking?** Y N **Lean severity:** ☐ severe ☐ moderate ☐ low

Compounding factors: _____

CROWN DEFECTS: S = severe, M = moderate, L = low

DEFECT	ROOT CROWN	TRUNK	SCAFFOLDS	BRANCHES
Poor taper				
Bow, sweep		S		
Co-dominants, forks				
Multiple attachments				
Included bark				
Excessive end weight				
Cracks/splits				
Hangers				
Girdling				
Wounds/seam				
Decay				
Cavity				
Conks/mushrooms				
Bleeding/sap flow				
Loose/cracked bark				
Nesting hole/bee hive				
Deadwood/stubs				
Borers/termites/ants				
Cankers/galls/burls				
Previous failure				

RECOMMENDED TREATMENT

Prune: ☐ remove defective part ☐ reduce end weight ☐ crown clean ☐ thin ☐ raise canopy ☐ crown reduce ☐ restructure ☐ shape

Pest control: _____ **Cable/Brace:** _____

Other Activities: ☐ aerate soil ☐ remove fill soil ☐ remove irrigation/planting ☐ remove wire, etc. ☐ fertilize/water

Inspect further: ☐ root crown ☐ decay ☐ aerial ☐ monitor **Remove tree?** Y (N) **Replace tree?** Y (N) **Move target:?** Y (N) **Other:** _____ ☒ no action required at this time

Effect on adjacent trees: ☒ none ☐ evaluate **Notification:** ☒ owner ☐ manager ☒ governing agency Date: See Tree Report

ADDITIONAL COMMENTS

FIELD EVALUATION FORM

Owner: _____ ☐ public ☒ private ☐ unknown ☐ other: _____

Site/Address: _____ Thomas Guide: Page: ____ Coordinate: ____

Date: 5/26/2015 Inspector: TJ Date of last inspection: _____ ☐ not previously inspected

TREE CHARACTERISTICS

Tree #: 10 Species: ☒ *Quercus agrifolia* ☐ *Quercus lobata* ☐ other _____

# of trunks: 1 dbH (inches): 5 Height (feet): 15

Compass direction	N	NE	E	SE	S	SW	W	NW
Dripline (feet)	9	11	12	18	0	7	7	4
Clearance to canopy (feet)	7	15	15	15	0	10	10	7

Form: ☐ generally symmetric ☒ minor asymmetry ☐ major asymmetry ☐ stump sprout ☐ stag-headed

Crown class: ☐ dominant ☐ co-dominant ☒ intermediate ☐ suppressed

Age class: ☒ young ☐ semi-mature ☐ mature ☐ over-mature/senescent Live crown ratio (conifers only): _____%

Pruning history: ☐ crown cleaned ☐ excessively thinned ☐ topped ☐ crown raised ☐ pollarded ☐ crown reduced ☐ flush cuts ☐ cabled/braced ☒ none ☐ multiple pruning events Approximate dates: _____ ☐ unknown

Special Value: ☐ specimen ☐ heritage/historic ☒ wildlife ☐ unusual ☐ street tree ☐ screen ☐ shade ☒ indigenous ☒ protected by government agency

TREE HEALTH

Foliage color: ☒ normal ☐ chlorotic ☐ necrotic

Epicormics? Y (N) Twig Dieback? Y (N)

Foliage density: ☒ normal ☐ sparse

Leaf size: ☒ normal ☐ small

Annual shoot growth: ☐ excellent ☒ average ☐ poor

Woundwood development: ☐ excellent ☒ average ☐ poor ☐ none

Vigor class: ☐ excellent ☒ average ☐ fair ☐ poor

Growth obstructions: ☐ stakes ☐ wire/ties ☐ signs ☐ cables ☐ curb/pavement ☐ guards ☐ other _____

Major pests/diseases: _____

SITE CONDITIONS

Site character: ☐ residence ☒ commercial ☐ industrial ☐ park ☒ open space ☒ natural ☒ woodland/forest

Landscape type: ☐ parkway ☐ raised bed ☐ container ☐ mound ☐ lawn ☒ shrub border ☐ wind break

Irrigation: ☒ none ☐ adequate ☐ inadequate ☐ excessive ☐ trunk wetted Pavement lifted? Y (N)

Recent site disturbance? Y (N) ☐ construction ☐ soil disturbance ☐ grade change ☐ line clearing ☐ site clearing

% dripline paved:	0%	10-25%	25-50%	50-75%	75-100%
% dripline w/fill soil:	0%	10-25%	25-50%	50-75%	75-100%
% dripline grade lowered:	0%	10-25%	25-50%	50-75%	75-100%

Soil problems: ☐ drainage ☐ shallow ☐ compacted ☐ droughty ☐ saline ☐ alkaline ☐ acidic ☐ small volume ☐ disease center ☐ history of failure ☐ clay ☐ expansive ☐ slope _____° aspect _____

Obstructions: ☐ lights ☐ signage ☐ line-of-sight ☐ view ☐ overhead lines ☐ underground utilities ☐ traffic ☐ adjacent vegetation ☐ other _____

Exposure to wind: ☐ single tree ☒ below canopy ☐ above canopy ☐ recently exposed ☐ windward, canopy edge ☐ area prone to windthrow

Prevailing wind direction: _____ Occurrence of snow/ice storms: ☒ never ☐ seldom ☐ regularly

FIELD EVALUATION FORM - PAGE 2 OF 2 Tree Number 10

TARGET

Use Under Tree: ☐ building ☐ parking ☐ traffic ☐ pedestrian ☐ recreation ☒ landscape ☐ hardscape ☐ small features ☐ utility lines **Can target be moved?** Y N **Can use be restricted?** Y N

Occupancy: ☒ occasional use ☐ intermittent use ☐ frequent use ☐ constant use

TREE DEFECTS - Noted as applicable

ROOT DEFECTS: **Suspect root rot?** Y N **Mushroom/conk present?** Y N **ID:** _____

Exposed roots: ☐ severe ☐ moderate ☐ low **Undermined:** ☐ severe ☐ moderate ☐ low

Root pruned: _____ feet from trunk **Root area affected:** _____% **Buttress wounded?** Y N **When:** _____

Restricted root area: ☐ severe ☐ moderate ☐ low **Potential for root failure:** ☐ severe ☐ moderate ☐ low

LEAN: _____ degrees from vertical ☐ natural ☐ unnatural ☐ self-corrected **Soil heaving?** Y N

Decay in plane of lean? Y N **Roots broken?** Y N **Soil cracking?** Y N **Lean severity:** ☐ severe ☐ moderate ☐ low

Compounding factors: _____

CROWN DEFECTS: S = severe, M = moderate, L = low

DEFECT	ROOT CROWN	TRUNK	SCAFFOLDS	BRANCHES
Poor taper				
Bow, sweep				
Co-dominants, forks				
Multiple attachments				
Included bark				
Excessive end weight				
Cracks/splits				
Hangers				
Girdling				
Wounds/seam				
Decay				
Cavity				
Conks/mushrooms				
Bleeding/sap flow				
Loose/cracked bark				
Nesting hole/bee hive				
Deadwood/stubs				
Borers/termites/ants				
Cankers/galls/burls				
Previous failure				

RECOMMENDED TREATMENT

Prune: ☐ remove defective part ☐ reduce end weight ☐ crown clean ☐ thin ☐ raise canopy ☐ crown reduce ☐ restructure ☐ shape

Pest control: _____ **Cable/Brace:** _____

Other Activities: ☐ aerate soil ☐ remove fill soil ☐ remove irrigation/planting ☐ remove wire, etc. ☐ fertilize/water

Inspect further: ☐ root crown ☐ decay ☐ aerial ☐ monitor **Remove tree?** Y N **Replace tree?** Y N **Move target:?** Y N **Other:** _____ ☒ no action required at this time

Effect on adjacent trees: ☒ none ☐ evaluate **Notification:** ☐ owner ☐ manager ☒ governing agency Date: See Tree Report

ADDITIONAL COMMENTS

FIELD EVALUATION FORM

Owner: _____ ☐ public ☒ private ☐ unknown ☐ other: _____

Site/Address: _____ Thomas Guide: Page: ____ Coordinate: ____

Date: 05/26/2015 Inspector: TJ Date of last inspection: _____ ☐ not previously inspected

TREE CHARACTERISTICS

Tree #: 11 Species: ☒ *Quercus agrifolia* ☐ *Quercus lobata* ☐ other _____

# of trunks: 1 dbH (inches): 34 Height (feet): 90

Compass direction	N	NE	E	SE	S	SW	W	NW
Dripline (feet)	32	35	41	45	38	41	39	42
Clearance to canopy (feet)	8	50	50	50	60	6	12	10

Form: ☒ generally symmetric ☐ minor asymmetry ☐ major asymmetry ☐ stump sprout ☐ stag-headed

Crown class: ☒ dominant ☐ co-dominant ☐ intermediate ☐ suppressed

Age class: ☐ young ☐ semi-mature ☒ mature ☐ over-mature/senescent Live crown ratio (conifers only): _____%

Pruning history: ☐ crown cleaned ☐ excessively thinned ☐ topped ☐ crown raised ☐ pollarded ☐ crown reduced ☐ flush cuts ☐ cabled/braced ☒ none ☐ multiple pruning events Approximate dates: _____ ☐ unknown

Special Value: ☒ specimen ☒ heritage/historic ☒ wildlife ☐ unusual ☐ street tree ☒ screen ☒ shade ☒ indigenous ☒ protected by government agency

TREE HEALTH

Foliage color: ☒ normal ☐ chlorotic ☐ necrotic

Epicormics? Y ☒ Twig Dieback? Y ☒

Foliage density: ☒ normal ☐ sparse

Leaf size: ☒ normal ☐ small

Annual shoot growth: ☐ excellent ☒ average ☐ poor

Woundwood development: ☒ excellent ☐ average ☐ poor ☐ none

Vigor class: ☒ excellent ☐ average ☐ fair ☐ poor

Growth obstructions: ☐ stakes ☐ wire/ties ☐ signs ☐ cables ☐ curb/pavement ☐ guards ☐ other _____

Major pests/diseases: _____

SITE CONDITIONS

Site character: ☒ residence ☐ commercial ☐ industrial ☐ park ☒ open space ☒ natural ☒ woodland/forest

Landscape type: ☐ parkway ☐ raised bed ☐ container ☐ mound ☐ lawn ☒ shrub border ☐ wind break

Irrigation: ☒ none ☐ adequate ☐ inadequate ☐ excessive ☐ trunk wetted Pavement lifted? Y N

Recent site disturbance? Y N ☐ construction ☐ soil disturbance ☐ grade change ☐ line clearing ☐ site clearing

% dripline paved: 0% 10-25% 25-50% 50-75% 75-100%

% dripline w/fill soil: 0% 10-25% 25-50% 50-75% 75-100%

% dripline grade lowered: 0% 10-25% 25-50% 50-75% 75-100%

Soil problems: ☐ drainage ☐ shallow ☐ compacted ☐ droughty ☐ saline ☐ alkaline ☐ acidic ☐ small volume ☐ disease center ☐ history of failure ☐ clay ☐ expansive ☐ slope _____° aspect _____

Obstructions: ☐ lights ☐ signage ☐ line-of-sight ☐ view ☐ overhead lines ☐ underground utilities ☐ traffic ☐ adjacent vegetation ☐ other _____

Exposure to wind: ☐ single tree ☐ below canopy ☒ above canopy ☐ recently exposed ☐ windward, canopy edge ☐ area prone to windthrow

Prevailing wind direction: _____ Occurrence of snow/ice storms: ☒ never ☐ seldom ☐ regularly

FIELD EVALUATION FORM - PAGE 2 OF 2

Tree Number 11

TARGET

Use Under Tree: ☐ building ☐ parking ☐ traffic ☐ pedestrian ☐ recreation ☐ landscape ☐ hardscape ☐ small features ☐ utility lines Can target be moved? Y N Can use be restricted? Y N

Occupancy: ☐ occasional use ☐ intermittent use ☐ frequent use ☐ constant use

TREE DEFECTS - Noted as applicable

ROOT DEFECTS: Suspect root rot? Y N Mushroom/conk present? Y N ID: _____

Exposed roots: ☐ severe ☐ moderate ☐ low Undermined: ☐ severe ☐ moderate ☐ low

Root pruned: _____ feet from trunk Root area affected: _____% Buttress wounded? Y N When: _____

Restricted root area: ☐ severe ☐ moderate ☐ low Potential for root failure: ☐ severe ☐ moderate ☐ low

LEAN: _____ degrees from vertical ☐ natural ☐ unnatural ☐ self-corrected Soil heaving? Y N

Decay in plane of lean? Y N Roots broken? Y N Soil cracking? Y N Lean severity: ☐ severe ☐ moderate ☐ low

Compounding factors: _____

CROWN DEFECTS: S = severe, M = moderate, L = low

DEFECT	ROOT CROWN	TRUNK	SCAFFOLDS	BRANCHES
Poor taper				
Bow, sweep				
Co-dominants, forks				
Multiple attachments				
Included bark				
Excessive end weight				
Cracks/splits				
Hangers				
Girdling				
Wounds/seam				
Decay				
Cavity				
Conks/mushrooms				
Bleeding/sap flow				
Loose/cracked bark				
Nesting hole/bee hive				
Deadwood/stubs				
Borers/termites/ants				
Cankers/galls/burls				
Previous failure				

RECOMMENDED TREATMENT

Prune: ☐ remove defective part ☐ reduce end weight ☐ crown clean ☐ thin ☐ raise canopy ☐ crown reduce ☐ restructure ☐ shape

Pest control: _____ Cable/Brace: _____

Other Activities: ☐ aerate soil ☐ remove fill soil ☐ remove irrigation/planting ☐ remove wire, etc. ☐ fertilize/water

Inspect further: ☐ root crown ☐ decay ☐ aerial ☐ monitor Remove tree? Y N Replace tree? Y N Move target:? Y N Other: _____ ☐ no action required at this time

Effect on adjacent trees: ☐ none ☐ evaluate Notification: ☐ owner ☐ manager ☐ governing agency Date: See Tree Report

ADDITIONAL COMMENTS

FIELD EVALUATION FORM

Owner: _____ ☐ public ☐ private ☐ unknown ☐ other: _____

Site/Address: _____ Thomas Guide: Page: ____ Coordinate: ____

Date: 05/26/2015 Inspector: TJ Date of last inspection: _____ ☐ not previously inspected

TREE CHARACTERISTICS

Tree #: 12 Species: ☑ *Quercus agrifolia* ☐ *Quercus lobata* ☐ other _____

# of trunks: 1 dbH (inches): 4 Height (feet): 12

Compass direction	N	NE	E	SE	S	SW	W	NW
Dripline (feet)	6	4	6	8	7	5	11	6
Clearance to canopy (feet)	5	6	8	10	10	6	12	8

Form: ☐ generally symmetric ☑ minor asymmetry ☐ major asymmetry ☐ stump sprout ☐ stag-headed

Crown class: ☐ dominant ☑ co-dominant ☐ intermediate ☐ suppressed

Age class: ☑ young ☐ semi-mature ☐ mature ☐ over-mature/senescent Live crown ratio (conifers only): _____%

Pruning history: ☐ crown cleaned ☐ excessively thinned ☐ topped ☐ crown raised ☐ pollarded ☐ crown reduced ☐ flush cuts ☐ cabled/braced ☑ none ☐ multiple pruning events Approximate dates: _____ ☐ unknown

Special Value: ☐ specimen ☐ heritage/historic ☑ wildlife ☐ unusual ☐ street tree ☐ screen ☐ shade ☑ indigenous ☑ protected by government agency

TREE HEALTH

Foliage color: ☑ normal ☐ chlorotic ☐ necrotic

Epicormics? Y N Twig Dieback? Y N

Foliage density: ☑ normal ☐ sparse

Leaf size: ☑ normal ☐ small

Annual shoot growth: ☐ excellent ☑ average ☐ poor

Major pests/diseases: _____

Woundwood development: ☐ excellent ☑ average ☐ poor ☐ none

Vigor class: ☐ excellent ☑ average ☐ fair ☐ poor

Growth obstructions: ☐ stakes ☐ wire/ties ☐ signs ☐ cables ☐ curb/pavement ☐ guards ☐ other _____

SITE CONDITIONS

Site character: ☑ residence ☐ commercial ☐ industrial ☐ park ☑ open space ☑ natural ☑ woodland/forest

Landscape type: ☐ parkway ☐ raised bed ☐ container ☐ mound ☐ lawn ☑ shrub border ☐ wind break

Irrigation: ☑ none ☐ adequate ☐ inadequate ☐ excessive ☐ trunk wetted Pavement lifted? Y N

Recent site disturbance? Y N ☐ construction ☐ soil disturbance ☐ grade change ☐ line clearing ☐ site clearing

% dripline paved:	0%	10-25%	25-50%	50-75%	75-100%
% dripline w/fill soil:	0%	10-25%	25-50%	50-75%	75-100%
% dripline grade lowered:	0%	10-25%	25-50%	50-75%	75-100%

Soil problems: ☐ drainage ☐ shallow ☐ compacted ☐ droughty ☐ saline ☐ alkaline ☐ acidic ☐ small volume ☐ disease center ☐ history of failure ☐ clay ☐ expansive ☐ slope _____° aspect _____

Obstructions: ☐ lights ☐ signage ☐ line-of-sight ☐ view ☐ overhead lines ☐ underground utilities ☐ traffic ☐ adjacent vegetation ☐ other _____

Exposure to wind: ☐ single tree ☑ below canopy ☐ above canopy ☐ recently exposed ☐ windward, canopy edge ☐ area prone to windthrow

Prevailing wind direction: _____ Occurrence of snow/ice storms: ☑ never ☐ seldom ☐ regularly

FIELD EVALUATION FORM - PAGE 2 OF 2 Tree Number 12

TARGET

Use Under Tree: ☐ building ☐ parking ☐ traffic ☐ pedestrian ☐ recreation ☒ landscape ☐ hardscape ☐ small features ☐ utility lines **Can target be moved?** Y (N) **Can use be restricted?** Y N

Occupancy: ☒ occasional use ☐ intermittent use ☐ frequent use ☐ constant use

TREE DEFECTS - Noted as applicable

ROOT DEFECTS: **Suspect root rot?** Y N **Mushroom/conk present?** Y N **ID:** _____

Exposed roots: ☐ severe ☐ moderate ☐ low **Undermined:** ☐ severe ☐ moderate ☐ low

Root pruned: _____ feet from trunk **Root area affected:** _____% **Buttress wounded?** Y N **When:** _____

Restricted root area: ☐ severe ☐ moderate ☐ low **Potential for root failure:** ☐ severe ☐ moderate ☐ low

LEAN: _____ degrees from vertical ☐ natural ☐ unnatural ☐ self-corrected **Soil heaving?** Y N

Decay in plane of lean? Y N **Roots broken?** Y N **Soil cracking?** Y N **Lean severity:** ☐ severe ☐ moderate ☐ low

Compounding factors: _____

CROWN DEFECTS: S = severe, M = moderate, L = low

DEFECT	ROOT CROWN	TRUNK	SCAFFOLDS	BRANCHES
Poor taper				
Bow, sweep				
Co-dominants, forks				
Multiple attachments				
Included bark				
Excessive end weight				
Cracks/splits				
Hangers				
Girdling				
Wounds/seam				
Decay				
Cavity				
Conks/mushrooms				
Bleeding/sap flow				
Loose/cracked bark				
Nesting hole/bee hive				
Deadwood/stubs				
Borers/termites/ants				
Cankers/galls/burls				
Previous failure				

RECOMMENDED TREATMENT

Prune: ☐ remove defective part ☐ reduce end weight ☐ crown clean ☐ thin ☐ raise canopy ☐ crown reduce ☐ restructure ☐ shape

Pest control: _____ **Cable/Brace:** _____

Other Activities: ☐ aerate soil ☐ remove fill soil ☐ remove irrigation/planting ☐ remove wire, etc. ☐ fertilize/water

Inspect further: ☐ root crown ☐ decay ☐ aerial ☐ monitor **Remove tree?** Y (N) **Replace tree?** Y (N) **Move target:?** Y (N) **Other:** _____ ☒ no action required at this time

Effect on adjacent trees: ☒ none ☐ evaluate **Notification:** ☒ owner ☐ manager ☒ governing agency Date: See Tree Report

ADDITIONAL COMMENTS

FIELD EVALUATION FORM

Owner: _____ ☐ public ☒ private ☐ unknown ☐ other: _____

Site/Address: _____ Thomas Guide: Page: ____ Coordinate: ____

Date: 05/26/2015 Inspector: TJ Date of last inspection: _____ ☐ not previously inspected

TREE CHARACTERISTICS

Tree #: 13 Species: ☐ *Quercus agrifolia* ☐ *Quercus lobata* ☐ other _____

# of trunks: 1 dbH (inches): 5 Height (feet): 15

Compass direction	N	NE	E	SE	S	SW	W	NW
Dripline (feet)	8	9	5	3	9	11	4	6
Clearance to canopy (feet)	10	15	6	6	10	10	6	7

Form: ☐ generally symmetric ☒ minor asymmetry ☐ major asymmetry ☐ stump sprout ☐ stag-headed

Crown class: ☐ dominant ☐ co-dominant ☒ intermediate ☐ suppressed

Age class: ☒ young ☐ semi-mature ☐ mature ☐ over-mature/senescent Live crown ratio (conifers only): _____%

Pruning history: ☐ crown cleaned ☐ excessively thinned ☐ topped ☐ crown raised ☐ pollarded ☐ crown reduced ☐ flush cuts ☐ cabled/braced ☒ none ☐ multiple pruning events Approximate dates: _____ ☐ unknown

Special Value: ☐ specimen ☐ heritage/historic ☒ wildlife ☐ unusual ☐ street tree ☐ screen ☐ shade ☒ indigenous ☒ protected by government agency

TREE HEALTH

Foliage color: ☒ normal ☐ chlorotic ☐ necrotic

Epicormics? Y N Twig Dieback? Y N

Foliage density: ☒ normal ☐ sparse

Leaf size: ☒ normal ☐ small

Annual shoot growth: ☐ excellent ☒ average ☐ poor

Woundwood development: ☐ excellent ☒ average ☐ poor ☐ none

Vigor class: ☐ excellent ☒ average ☐ fair ☐ poor

Growth obstructions: ☐ stakes ☐ wire/ties ☐ signs ☐ cables ☐ curb/pavement ☐ guards ☐ other _____

Major pests/diseases: _____

SITE CONDITIONS

Site character: ☒ residence ☐ commercial ☐ industrial ☐ park ☒ open space ☒ natural ☒ woodland/forest

Landscape type: ☐ parkway ☐ raised bed ☐ container ☐ mound ☐ lawn ☒ shrub border ☐ wind break

Irrigation: ☒ none ☐ adequate ☐ inadequate ☐ excessive ☐ trunk wetted Pavement lifted? Y N

Recent site disturbance? Y N ☐ construction ☐ soil disturbance ☐ grade change ☐ line clearing ☐ site clearing

% dripline paved: 0% 10-25% 25-50% 50-75% 75-100%

% dripline w/fill soil: 0% 10-25% 25-50% 50-75% 75-100%

% dripline grade lowered: 0% 10-25% 25-50% 50-75% 75-100%

Soil problems: ☐ drainage ☐ shallow ☐ compacted ☐ droughty ☐ saline ☐ alkaline ☐ acidic ☐ small volume ☐ disease center ☐ history of failure ☐ clay ☐ expansive ☐ slope _____° aspect _____

Obstructions: ☐ lights ☐ signage ☐ line-of-sight ☐ view ☐ overhead lines ☐ underground utilities ☐ traffic ☐ adjacent vegetation ☐ other _____

Exposure to wind: ☐ single tree ☒ below canopy ☐ above canopy ☐ recently exposed ☐ windward, canopy edge ☐ area prone to windthrow

Prevailing wind direction: _____ Occurrence of snow/ice storms: ☒ never ☐ seldom ☐ regularly

FIELD EVALUATION FORM - PAGE 2 OF 2 Tree Number 13

TARGET

Use Under Tree: ☐ building ☐ parking ☐ traffic ☐ pedestrian ☐ recreation ☑ landscape ☐ hardscape ☐ small features ☐ utility lines **Can target be moved?** Y N **Can use be restricted?** Y N

Occupancy: ☑ occasional use ☐ intermittent use ☐ frequent use ☐ constant use

TREE DEFECTS - Noted as applicable

ROOT DEFECTS: **Suspect root rot?** Y N **Mushroom/conk present?** Y N **ID:** _____

Exposed roots: ☐ severe ☐ moderate ☐ low **Undermined:** ☐ severe ☐ moderate ☐ low

Root pruned: _____ feet from trunk **Root area affected:** _____% **Buttress wounded?** Y N **When:** _____

Restricted root area: ☐ severe ☐ moderate ☐ low **Potential for root failure:** ☐ severe ☐ moderate ☐ low

LEAN: _____ degrees from vertical ☐ natural ☐ unnatural ☐ self-corrected **Soil heaving?** Y N

Decay in plane of lean? Y N **Roots broken?** Y N **Soil cracking?** Y N **Lean severity:** ☐ severe ☐ moderate ☐ low

Compounding factors: _____

CROWN DEFECTS: S = severe, M = moderate, L = low

DEFECT	ROOT CROWN	TRUNK	SCAFFOLDS	BRANCHES
Poor taper				
Bow, sweep				
Co-dominants, forks				
Multiple attachments				
Included bark				
Excessive end weight				
Cracks/splits				
Hangers				
Girdling				
Wounds/seam				
Decay				
Cavity				
Conks/mushrooms				
Bleeding/sap flow				
Loose/cracked bark				
Nesting hole/bee hive				
Deadwood/stubs				
Borers/termites/ants				
Cankers/galls/burls				
Previous failure				

RECOMMENDED TREATMENT

Prune: ☐ remove defective part ☐ reduce end weight ☐ crown clean ☐ thin ☐ raise canopy ☐ crown reduce ☐ restructure ☐ shape

Pest control: _____ **Cable/Brace:** _____

Other Activities: ☐ aerate soil ☐ remove fill soil ☐ remove irrigation/planting ☐ remove wire, etc. ☐ fertilize/water

Inspect further: ☐ root crown ☐ decay ☐ aerial ☐ monitor **Remove tree?** Y N **Replace tree?** Y N **Move target:?** Y N **Other:** _____ ☑ no action required at this time

Effect on adjacent trees: ☐ none ☐ evaluate **Notification:** ☐ owner ☐ manager ☑ governing agency Date: See Tree Report

ADDITIONAL COMMENTS

FIELD EVALUATION FORM

Owner: _____ ☐ public ☒ private ☐ unknown ☐ other: _____

Site/Address: _____ Thomas Guide: Page: ____ Coordinate: ____

Date: 05/26/2015 Inspector: TJ Date of last inspection: _____ ☐ not previously inspected

TREE CHARACTERISTICS

Tree #: 14 Species: ☒ *Quercus agrifolia* ☐ *Quercus lobata* ☐ other _____

# of trunks: 1 dbH (inches): 12 Height (feet): 15

Compass direction	N	NE	E	SE	S	SW	W	NW
Dripline (feet)	0	0	32	30	0	0	0	0
Clearance to canopy (feet)	0	0	12	9	0	0	0	0

Form: ☐ generally symmetric ☐ minor asymmetry ☒ major asymmetry ☐ stump sprout ☐ stag-headed

Crown class: ☐ dominant ☐ co-dominant ☒ intermediate ☐ suppressed

Age class: ☐ young ☐ semi-mature ☒ mature ☐ over-mature/senescent Live crown ratio (conifers only): _____%

Pruning history: ☐ crown cleaned ☐ excessively thinned ☐ topped ☐ crown raised ☐ pollarded ☐ crown reduced ☐ flush cuts ☐ cabled/braced ☒ none ☐ multiple pruning events Approximate dates: _____ ☐ unknown

Special Value: ☐ specimen ☐ heritage/historic ☒ wildlife ☐ unusual ☐ street tree ☒ screen ☒ shade ☒ indigenous ☒ protected by government agency

TREE HEALTH

Foliage color: ☒ normal ☐ chlorotic ☐ necrotic

Epicormics? Y N Twig Dieback? Y N

Foliage density: ☒ normal ☐ sparse

Leaf size: ☒ normal ☐ small

Annual shoot growth: ☐ excellent ☒ average ☐ poor

Woundwood development: ☐ excellent ☒ average ☐ poor ☐ none

Vigor class: ☐ excellent ☒ average ☐ fair ☐ poor

Growth obstructions: ☐ stakes ☐ wire/ties ☐ signs ☐ cables ☐ curb/pavement ☐ guards ☐ other _____

Major pests/diseases: _____

SITE CONDITIONS

Site character: ☒ residence ☐ commercial ☐ industrial ☐ park ☒ open space ☒ natural ☒ woodland/forest

Landscape type: ☐ parkway ☐ raised bed ☐ container ☐ mound ☐ lawn ☒ shrub border ☐ wind break

Irrigation: ☒ none ☐ adequate ☐ inadequate ☐ excessive ☐ trunk wetted Pavement lifted? Y N

Recent site disturbance? Y N ☐ construction ☐ soil disturbance ☐ grade change ☐ line clearing ☐ site clearing

% dripline paved: 0% 10-25% 25-50% 50-75% 75-100%

% dripline w/fill soil: 0% 10-25% 25-50% 50-75% 75-100%

% dripline grade lowered: 0% 10-25% 25-50% 50-75% 75-100%

Soil problems: ☐ drainage ☐ shallow ☐ compacted ☐ droughty ☐ saline ☐ alkaline ☐ acidic ☐ small volume ☐ disease center ☐ history of failure ☐ clay ☐ expansive ☐ slope _____° aspect _____

Obstructions: ☐ lights ☐ signage ☐ line-of-sight ☐ view ☐ overhead lines ☐ underground utilities ☐ traffic ☐ adjacent vegetation ☐ other _____

Exposure to wind: ☐ single tree ☒ below canopy ☐ above canopy ☐ recently exposed ☐ windward, canopy edge ☐ area prone to windthrow

Prevailing wind direction: _____ Occurrence of snow/ice storms: ☒ never ☐ seldom ☐ regularly

FIELD EVALUATION FORM - PAGE 2 OF 2 Tree Number 14

TARGET

Use Under Tree: ☐ building ☐ parking ☐ traffic ☐ pedestrian ☐ recreation ☒ landscape ☐ hardscape ☐ small features ☐ utility lines **Can target be moved?** Y N **Can use be restricted?** Y N

Occupancy: ☒ occasional use ☐ intermittent use ☐ frequent use ☐ constant use

TREE DEFECTS - Noted as applicable

ROOT DEFECTS: **Suspect root rot?** Y N **Mushroom/conk present?** Y N **ID:** _____

Exposed roots: ☐ severe ☐ moderate ☐ low **Undermined:** ☐ severe ☐ moderate ☐ low

Root pruned: _____ feet from trunk **Root area affected:** _____% **Buttress wounded?** Y N **When:** _____

Restricted root area: ☐ severe ☐ moderate ☐ low **Potential for root failure:** ☐ severe ☐ moderate ☐ low

LEAN: _____ degrees from vertical ☐ natural ☐ unnatural ☐ self-corrected **Soil heaving?** Y N

Decay in plane of lean? Y N **Roots broken?** Y N **Soil cracking?** Y N **Lean severity:** ☐ severe ☐ moderate ☐ low

Compounding factors: _____

CROWN DEFECTS: S = severe, M = moderate, L = low

DEFECT	ROOT CROWN	TRUNK	SCAFFOLDS	BRANCHES
Poor taper				
Bow, sweep		S	S	
Co-dominants, forks				
Multiple attachments				
Included bark				
Excessive end weight				
Cracks/splits				
Hangers				
Girdling				
Wounds/seam				
Decay				
Cavity				
Conks/mushrooms				
Bleeding/sap flow				
Loose/cracked bark				
Nesting hole/bee hive				
Deadwood/stubs				
Borers/termites/ants				
Cankers/galls/burls				
Previous failure				

RECOMMENDED TREATMENT

Prune: ☐ remove defective part ☐ reduce end weight ☐ crown clean ☐ thin ☐ raise canopy ☐ crown reduce ☐ restructure ☐ shape

Pest control: _____ **Cable/Brace:** _____

Other Activities: ☐ aerate soil ☐ remove fill soil ☐ remove irrigation/planting ☐ remove wire, etc. ☐ fertilize/water

Inspect further: ☐ root crown ☐ decay ☐ aerial ☐ monitor **Remove tree?** Y N **Replace tree?** Y N **Move target:?** Y N **Other:** _____ ☒ no action required at this time

Effect on adjacent trees: ☒ none ☐ evaluate **Notification:** ☒ owner ☐ manager ☒ governing agency Date: See Tree Report

ADDITIONAL COMMENTS

FIELD EVALUATION FORM

Owner: _____ ☐ public ☐ private ☐ unknown ☐ other: _____

Site/Address: _____ Thomas Guide: Page: ____ Coordinate: ____

Date: 05/28/2015 Inspector: TJ Date of last Inspection: _____ ☐ not previously inspected

TREE CHARACTERISTICS

Tree #: 15 Species: ☐ *Quercus agrifolia* ☐ *Quercus lobata* ☐ other _____

# of trunks: 1 dbH (inches): 22 Height (feet): 50

Compass direction	N	NE	E	SE	S	SW	W	NW
Dripline (feet)	18	18	12	16	16	22	17	20
Clearance to canopy (feet)	30	50	40	0	0	0	0	15

Form: ☒ generally symmetric ☐ minor asymmetry ☐ major asymmetry ☐ stump sprout ☐ stag-headed

Crown class: ☐ dominant ☒ co-dominant ☐ intermediate ☐ suppressed

Age class: ☐ young ☐ semi-mature ☒ mature ☐ over-mature/senescent Live crown ratio (conifers only): _____%

Pruning history: ☐ crown cleaned ☐ excessively thinned ☐ topped ☐ crown raised ☐ pollarded ☐ crown reduced ☐ flush cuts ☐ cabled/braced ☒ none ☐ multiple pruning events Approximate dates: _____ ☐ unknown

Special Value: ☒ specimen ☒ heritage/historic ☒ wildlife ☐ unusual ☐ street tree ☒ screen ☒ shade ☒ indigenous ☒ protected by government agency

TREE HEALTH

Foliage color: ☒ normal ☐ chlorotic ☐ necrotic

Epicormics? Y N Twig Dieback? Y N

Foliage density: ☒ normal ☐ sparse

Leaf size: ☒ normal ☐ small

Annual shoot growth: ☐ excellent ☒ average ☐ poor

Woundwood development: ☐ excellent ☒ average ☐ poor ☐ none

Vigor class: ☐ excellent ☒ average ☐ fair ☐ poor

Growth obstructions: ☐ stakes ☐ wire/ties ☐ signs ☐ cables ☐ curb/pavement ☐ guards ☐ other _____

Major pests/diseases: _____

SITE CONDITIONS

Site character: ☒ residence ☐ commercial ☐ industrial ☐ park ☒ open space ☒ natural ☒ woodland/forest

Landscape type: ☐ parkway ☐ raised bed ☐ container ☐ mound ☐ lawn ☒ shrub border ☐ wind break

Irrigation: ☒ none ☐ adequate ☐ inadequate ☐ excessive ☐ trunk wetted Pavement lifted? Y N

Recent site disturbance? Y N ☐ construction ☐ soil disturbance ☐ grade change ☐ line clearing ☐ site clearing

% dripline paved:	0%	10-25%	25-50%	50-75%	75-100%
% dripline w/fill soil:	0%	10-25%	25-50%	50-75%	75-100%
% dripline grade lowered:	0%	10-25%	25-50%	50-75%	75-100%

Soil problems: ☐ drainage ☐ shallow ☐ compacted ☐ droughty ☐ saline ☐ alkaline ☐ acidic ☐ small volume ☐ disease center ☐ history of failure ☐ clay ☐ expansive ☐ slope _____° aspect _____

Obstructions: ☐ lights ☐ signage ☐ line-of-sight ☐ view ☐ overhead lines ☐ underground utilities ☐ traffic ☐ adjacent vegetation ☐ other _____

Exposure to wind: ☐ single tree ☐ below canopy ☒ above canopy ☐ recently exposed ☐ windward, canopy edge ☐ area prone to windthrow

Prevailing wind direction: _____ Occurrence of snow/ice storms: ☒ never ☐ seldom ☐ regularly

FIELD EVALUATION FORM - PAGE 2 OF 2

Tree Number 15

TARGET

Use Under Tree: ☐ building ☐ parking ☐ traffic ☐ pedestrian ☐ recreation ☐ landscape ☐ hardscape ☐ small features ☐ utility lines **Can target be moved?** Y N **Can use be restricted?** Y N

Occupancy: ☐ occasional use ☐ intermittent use ☐ frequent use ☐ constant use

TREE DEFECTS - Noted as applicable

ROOT DEFECTS: **Suspect root rot?** Y N **Mushroom/conk present?** Y N **ID:** _____

Exposed roots: ☐ severe ☐ moderate ☐ low **Undermined:** ☐ severe ☐ moderate ☐ low

Root pruned: _____ feet from trunk **Root area affected:** _____% **Buttress wounded?** Y N **When:** _____

Restricted root area: ☐ severe ☐ moderate ☐ low **Potential for root failure:** ☐ severe ☐ moderate ☐ low

LEAN: _____ degrees from vertical ☐ natural ☐ unnatural ☐ self-corrected **Soil heaving?** Y N

Decay in plane of lean? Y N **Roots broken?** Y N **Soil cracking?** Y N **Lean severity:** ☐ severe ☐ moderate ☐ low

Compounding factors: _____

CROWN DEFECTS: S = severe, M = moderate, L = low

DEFECT	ROOT CROWN	TRUNK	SCAFFOLDS	BRANCHES
Poor taper				
Bow, sweep				
Co-dominants, forks				
Multiple attachments				
Included bark				
Excessive end weight				
Cracks/splits				
Hangers				
Girdling				
Wounds/seam				
Decay				
Cavity				
Conks/mushrooms				
Bleeding/sap flow				
Loose/cracked bark				
Nesting hole/bee hive				
Deadwood/stubs				
Borers/termites/ants				
Cankers/gails/burls				
Previous failure				

RECOMMENDED TREATMENT

Prune: ☐ remove defective part ☐ reduce end weight ☐ crown clean ☐ thin ☐ raise canopy ☐ crown reduce ☐ restructure ☐ shape

Pest control: _____ **Cable/Brace:** _____

Other Activities: ☐ aerate soil ☐ remove fill soil ☐ remove irrigation/planting ☐ remove wire, etc. ☐ fertilize/water

Inspect further: ☐ root crown ☐ decay ☐ aerial ☐ monitor **Remove tree?** Y N **Replace tree?** Y N **Move target:?** Y N **Other:** _____ ☐ no action required at this time

Effect on adjacent trees: ☐ none ☐ evaluate **Notification:** ☐ owner ☐ manager ☐ governing agency Date: See Tree Report

ADDITIONAL COMMENTS

FIELD EVALUATION FORM

Owner: _____ ☐ public ☑ private ☐ unknown ☐ other: _____

Site/Address: _____ Thomas Guide: Page: ____ Coordinate: ____

Date: 05/28/2013 Inspector: TJ Date of last inspection: _____ ☐ not previously inspected

TREE CHARACTERISTICS

Tree #: 16 Species: ☐ *Quercus agrifolia* ☐ *Quercus lobata* ☐ other _____

# of trunks: 1 dbH (inches): 10 Height (feet): _____

Compass direction	N	NE	E	SE	S	SW	W	NW
Dripline (feet)	13	9	7	6	8	0	10	15
Clearance to canopy (feet)	4	10	10	8	0	0	15	15

Form: ☑ generally symmetric ☐ minor asymmetry ☐ major asymmetry ☐ stump sprout ☐ stag-headed

Crown class: ☐ dominant ☑ co-dominant ☐ intermediate ☐ suppressed

Age class: ☐ young ☐ semi-mature ☑ mature ☐ over-mature/senescent Live crown ratio (conifers only): _____%

Pruning history: ☐ crown cleaned ☐ excessively thinned ☐ topped ☐ crown raised ☐ pollarded ☐ crown reduced ☐ flush cuts ☐ cabled/braced ☑ none ☐ multiple pruning events Approximate dates: _____ ☐ unknown

Special Value: ☐ specimen ☐ heritage/historic ☑ wildlife ☐ unusual ☐ street tree ☑ screen ☑ shade ☑ indigenous ☑ protected by government agency

TREE HEALTH

Foliage color: ☑ normal ☐ chlorotic ☐ necrotic

Epicormics? Y (N) Twig Dieback? Y (N)

Foliage density: ☑ normal ☐ sparse

Leaf size: ☑ normal ☐ small

Annual shoot growth: ☐ excellent ☑ average ☐ poor

Woundwood development: ☐ excellent ☑ average ☐ poor ☐ none

Vigor class: ☐ excellent ☑ average ☐ fair ☐ poor

Growth obstructions: ☐ stakes ☐ wire/ties ☐ signs ☐ cables ☐ curb/pavement ☐ guards ☐ other _____

Major pests/diseases: _____

SITE CONDITIONS

Site character: ☑ residence ☐ commercial ☐ industrial ☐ park ☑ open space ☑ natural ☑ woodland/forest

Landscape type: ☐ parkway ☐ raised bed ☐ container ☐ mound ☐ lawn ☑ shrub border ☐ wind break

Irrigation: ☑ none ☐ adequate ☐ inadequate ☐ excessive ☐ trunk wetted Pavement lifted? Y N

Recent site disturbance? Y (N) ☐ construction ☐ soil disturbance ☐ grade change ☐ line clearing ☐ site clearing

% dripline paved: 0% 10-25% 25-50% 50-75% 75-100%

% dripline w/fill soil: 0% 10-25% 25-50% 50-75% 75-100%

% dripline grade lowered: 0% 10-25% 25-50% 50-75% 75-100%

Soil problems: ☐ drainage ☐ shallow ☐ compacted ☐ droughty ☐ saline ☐ alkaline ☐ acidic ☐ small volume ☐ disease center ☐ history of failure ☐ clay ☐ expansive ☐ slope _____° aspect _____

Obstructions: ☐ lights ☐ signage ☐ line-of-sight ☐ view ☐ overhead lines ☐ underground utilities ☐ traffic ☐ adjacent vegetation ☐ other _____

Exposure to wind: ☐ single tree ☐ below canopy ☐ above canopy ☐ recently exposed ☐ windward, canopy edge ☐ area prone to windthrow

Prevailing wind direction: _____ Occurrence of snow/ice storms: ☐ never ☐ seldom ☐ regularly

FIELD EVALUATION FORM - PAGE 2 OF 2 Tree Number 16

TARGET

Use Under Tree: ☐ building ☐ parking ☐ traffic ☐ pedestrian ☐ recreation ☒ landscape ☐ hardscape ☐ small features ☐ utility lines **Can target be moved?** Y (N) **Can use be restricted?** (Y) N

Occupancy: ☐ occasional use ☐ intermittent use ☐ frequent use ☐ constant use

TREE DEFECTS - Noted as applicable

ROOT DEFECTS: **Suspect root rot?** Y (N) **Mushroom/conk present?** Y (N) **ID:** _____

Exposed roots: ☐ severe ☐ moderate ☐ low **Undermined:** ☐ severe ☐ moderate ☐ low

Root pruned: _____ feet from trunk **Root area affected:** _____% **Buttress wounded?** Y N **When:** _____

Restricted root area: ☐ severe ☐ moderate ☐ low **Potential for root failure:** ☐ severe ☐ moderate ☐ low

LEAN: _____ degrees from vertical ☐ natural ☐ unnatural ☐ self-corrected **Soil heaving?** Y N

Decay in plane of lean? Y N **Roots broken?** Y N **Soil cracking?** Y N **Lean severity:** ☐ severe ☐ moderate ☐ low

Compounding factors: _____

CROWN DEFECTS: S = severe, M = moderate, L = low

DEFECT	ROOT CROWN	TRUNK	SCAFFOLDS	BRANCHES
Poor taper				
Bow, sweep				
Co-dominants, forks				
Multiple attachments				
Included bark				
Excessive end weight				
Cracks/splits				
Hangers				
Girdling				
Wounds/seam				
Decay				
Cavity				
Conks/mushrooms				
Bleeding/sap flow				
Loose/cracked bark				
Nesting hole/bee hive				
Deadwood/stubs				
Borers/termites/ants				
Cankers/galls/burls				
Previous failure				

RECOMMENDED TREATMENT

Prune: ☐ remove defective part ☐ reduce end weight ☐ crown clean ☐ thin ☐ raise canopy ☐ crown reduce ☐ restructure ☐ shape

Pest control: _____ **Cable/Brace:** _____

Other Activities: ☐ aerate soil ☐ remove fill soil ☐ remove irrigation/planting ☐ remove wire, etc. ☐ fertilize/water

Inspect further: ☐ root crown ☐ decay ☐ aerial ☐ monitor **Remove tree?** Y (N) **Replace tree?** Y (N) **Move target:?** Y (N) **Other:** _____ ☒ no action required at this time

Effect on adjacent trees: ☒ none ☐ evaluate **Notification:** ☒ owner ☐ manager ☒ governing agency Date See Tree Report

ADDITIONAL COMMENTS

FIELD EVALUATION FORM

Owner: _____ ☐ public ☒ private ☐ unknown ☐ other: _____

Site/Address: _____ Thomas Guide: Page: ____ Coordinate: ____

Date: 05/26/2015 Inspector: TJ Date of last inspection: _____ ☐ not previously inspected

TREE CHARACTERISTICS

Tree #: 17 Species: ☒ *Quercus agrifolia* ☐ *Quercus lobata* ☐ other _____

# of trunks: 2 dbH (inches): 4@1', 7@1' Height (feet): 15

Compass direction	N	NE	E	SE	S	SW	W	NW
Dripline (feet)	3	4	6	6	11	11	8	6
Clearance to canopy (feet)	10	7	8	6	15	7	10	10

Form: ☐ generally symmetric ☒ minor asymmetry ☐ major asymmetry ☐ stump sprout ☐ stag-headed

Crown class: ☐ dominant ☒ co-dominant ☐ intermediate ☐ suppressed

Age class: ☐ young ☒ semi-mature ☐ mature ☐ over-mature/senescent Live crown ratio (conifers only): _____%

Pruning history: ☐ crown cleaned ☐ excessively thinned ☐ topped ☐ crown raised ☐ pollarded ☐ crown reduced ☐ flush cuts ☐ cabled/braced ☒ none ☐ multiple pruning events Approximate dates: _____ ☐ unknown

Special Value: ☐ specimen ☐ heritage/historic ☒ wildlife ☐ unusual ☐ street tree ☒ screen ☒ shade ☒ indigenous ☒ protected by government agency

TREE HEALTH

Foliage color: ☒ normal ☐ chlorotic ☐ necrotic

Epicormics? Y (N) Twig Dieback? Y (N)

Foliage density: ☒ normal ☐ sparse

Leaf size: ☒ normal ☐ small

Annual shoot growth: ☐ excellent ☒ average ☐ poor

Woundwood development: ☐ excellent ☒ average ☐ poor ☐ none

Vigor class: ☐ excellent ☒ average ☐ fair ☐ poor

Growth obstructions: ☐ stakes ☐ wire/ties ☐ signs ☐ cables ☐ curb/pavement ☐ guards ☐ other _____

Major pests/diseases: _____

SITE CONDITIONS

Site character: ☒ residence ☐ commercial ☐ industrial ☐ park ☒ open space ☒ natural ☐ woodland/forest

Landscape type: ☐ parkway ☐ raised bed ☐ container ☐ mound ☐ lawn ☒ shrub border ☐ wind break

Irrigation: ☒ none ☐ adequate ☐ inadequate ☐ excessive ☐ trunk wetted Pavement lifted? Y (N)

Recent site disturbance? Y (N) ☐ construction ☐ soil disturbance ☐ grade change ☐ line clearing ☐ site clearing

% dripline paved: 0% 10-25% 25-50% 50-75% 75-100%

% dripline w/fill soil: 0% 10-25% 25-50% 50-75% 75-100%

% dripline grade lowered: 0% 10-25% 25-50% 50-75% 75-100%

Soil problems: ☐ drainage ☐ shallow ☐ compacted ☐ droughty ☐ saline ☐ alkaline ☐ acidic ☐ small volume ☐ disease center ☐ history of failure ☐ clay ☐ expansive ☐ slope _____° aspect _____

Obstructions: ☐ lights ☐ signage ☐ line-of-sight ☐ view ☐ overhead lines ☐ underground utilities ☐ traffic ☐ adjacent vegetation ☐ other _____

Exposure to wind: ☐ single tree ☐ below canopy ☐ above canopy ☐ recently exposed ☐ windward, canopy edge ☐ area prone to windthrow

Prevailing wind direction: _____ Occurrence of snow/ice storms: ☒ never ☐ seldom ☐ regularly

FIELD EVALUATION FORM - PAGE 2 OF 2

Tree Number 17

TARGET

Use Under Tree: ☐ building ☐ parking ☒ traffic ☐ pedestrian ☐ recreation ☐ landscape ☐ hardscape ☐ small features ☐ utility lines Can target be moved? Y N Can use be restricted? Y N

Occupancy: ☒ occasional use ☐ intermittent use ☐ frequent use ☐ constant use

TREE DEFECTS - Noted as applicable

ROOT DEFECTS: Suspect root rot? Y N Mushroom/conk present? Y N ID: _____

Exposed roots: ☐ severe ☐ moderate ☐ low Undermined: ☐ severe ☐ moderate ☐ low

Root pruned: _____ feet from trunk Root area affected: _____% Buttress wounded? Y N When: _____

Restricted root area: ☐ severe ☐ moderate ☐ low Potential for root failure: ☐ severe ☐ moderate ☐ low

LEAN: _____ degrees from vertical ☐ natural ☐ unnatural ☐ self-corrected Soil heaving? Y N

Decay in plane of lean? Y N Roots broken? Y N Soil cracking? Y N Lean severity: ☐ severe ☐ moderate ☐ low

Compounding factors: _____

CROWN DEFECTS: S = severe, M = moderate, L = low

DEFECT	ROOT CROWN	TRUNK	SCAFFOLDS	BRANCHES
Poor taper				
Bow, sweep				
Co-dominants, forks		M		
Multiple attachments				
Included bark		M		
Excessive end weight				
Cracks/splits				
Hangers				
Girdling				
Wounds/seam				
Decay				
Cavity				
Conks/mushrooms				
Bleeding/sap flow				
Loose/cracked bark				
Nesting hole/bee hive				
Deadwood/stubs				
Borers/termites/ants				
Cankers/galls/burls				
Previous failure				

RECOMMENDED TREATMENT

Prune: ☐ remove defective part ☐ reduce end weight ☐ crown clean ☐ thin ☐ raise canopy ☐ crown reduce ☐ restructure ☐ shape

Pest control: _____ Cable/Brace: _____

Other Activities: ☐ aerate soil ☐ remove fill soil ☐ remove irrigation/planting ☐ remove wire, etc. ☐ fertilize/water

Inspect further: ☐ root crown ☐ decay ☐ aerial ☐ monitor Remove tree? Y N Replace tree? Y N Move target:? Y N Other: _____ ☒ no action required at this time

Effect on adjacent trees: ☒ none ☐ evaluate Notification: ☒ owner ☐ manager ☒ governing agency Date: See Tree Report

ADDITIONAL COMMENTS

FIELD EVALUATION FORM

Owner: _____ ☐ public ☒ private ☐ unknown ☐ other: _____

Site/Address: _____ Thomas Guide: Page: ____ Coordinate: ____

Date: 05/26/2015 Inspector: TJ Date of last inspection: _____ ☐ not previously inspected

TREE CHARACTERISTICS

Tree #: 18 Species: ☒ *Quercus agrifolia* ☐ *Quercus lobata* ☐ other _____

# of trunks: 1 dbH (inches): 13 Height (feet): 45

Compass direction	N	NE	E	SE	S	SW	W	NW
Dripline (feet)	13	8	6	10	0	14	17	15
Clearance to canopy (feet)	12	15	15	0	0	20	45	12

Form: ☐ generally symmetric ☒ minor asymmetry ☐ major asymmetry ☐ stump sprout ☐ stag-headed

Crown class: ☐ dominant ☒ co-dominant ☐ intermediate ☐ suppressed

Age class: ☐ young ☐ semi-mature ☒ mature ☐ over-mature/senescent Live crown ratio (conifers only): _____%

Pruning history: ☐ crown cleaned ☐ excessively thinned ☐ topped ☐ crown raised ☐ pollarded ☐ crown reduced ☐ flush cuts ☐ cabled/braced ☒ none ☐ multiple pruning events Approximate dates: _____ ☐ unknown

Special Value: ☐ specimen ☐ heritage/historic ☒ wildlife ☐ unusual ☐ street tree ☒ screen ☒ shade ☒ indigenous ☒ protected by government agency

TREE HEALTH

Foliage color: ☒ normal ☐ chlorotic ☐ necrotic

Epicormics? Y N Twig Dieback? Y N

Foliage density: ☒ normal ☐ sparse

Leaf size: ☒ normal ☐ small

Annual shoot growth: ☐ excellent ☒ average ☐ poor

Woundwood development: ☐ excellent ☒ average ☐ poor ☐ none

Vigor class: ☐ excellent ☒ average ☐ fair ☐ poor

Growth obstructions: ☐ stakes ☐ wire/ties ☐ signs ☐ cables ☐ curb/pavement ☐ guards ☐ other _____

Major pests/diseases: _____

SITE CONDITIONS

Site character: ☒ residence ☐ commercial ☐ industrial ☐ park ☒ open space ☒ natural ☒ woodland/forest

Landscape type: ☐ parkway ☐ raised bed ☐ container ☐ mound ☐ lawn ☒ shrub border ☐ wind break

Irrigation: ☒ none ☐ adequate ☐ inadequate ☐ excessive ☐ trunk wetted Pavement lifted? Y N

Recent site disturbance? Y N ☐ construction ☐ soil disturbance ☐ grade change ☐ line clearing ☐ site clearing

% dripline paved: 0% 10-25% 25-50% 50-75% 75-100%

% dripline w/fill soil: 0% 10-25% 25-50% 50-75% 75-100%

% dripline grade lowered: 0% 10-25% 25-50% 50-75% 75-100%

Soil problems: ☐ drainage ☐ shallow ☐ compacted ☐ droughty ☐ saline ☐ alkaline ☐ acidic ☐ small volume ☐ disease center ☐ history of failure ☐ clay ☐ expansive ☐ slope _____° aspect _____

Obstructions: ☐ lights ☐ signage ☐ line-of-sight ☐ view ☐ overhead lines ☐ underground utilities ☐ traffic ☐ adjacent vegetation ☐ other _____

Exposure to wind: ☐ single tree ☐ below canopy ☒ above canopy ☐ recently exposed ☐ windward, canopy edge ☐ area prone to windthrow

Prevailing wind direction: _____ Occurrence of snow/ice storms: ☒ never ☐ seldom ☐ regularly

FIELD EVALUATION FORM - PAGE 2 OF 2 Tree Number 18

TARGET

Use Under Tree: ☐ building ☐ parking ☐ traffic ☐ pedestrian ☐ recreation ☒ landscape ☐ hardscape ☐ small features ☐ utility lines **Can target be moved?** Y N **Can use be restricted?** Y N

Occupancy: ☒ occasional use ☐ intermittent use ☐ frequent use ☐ constant use

TREE DEFECTS - Noted as applicable

ROOT DEFECTS: **Suspect root rot?** Y N **Mushroom/conk present?** Y N **ID:** _____

Exposed roots: ☐ severe ☐ moderate ☐ low **Undermined:** ☐ severe ☐ moderate ☐ low

Root pruned: _____ feet from trunk **Root area affected:** _____% **Buttress wounded?** Y N **When:** _____

Restricted root area: ☐ severe ☐ moderate ☐ low **Potential for root failure:** ☐ severe ☐ moderate ☐ low

LEAN: _____ degrees from vertical ☐ natural ☐ unnatural ☐ self-corrected **Soil heaving?** Y N

Decay in plane of lean? Y N **Roots broken?** Y N **Soil cracking?** Y N **Lean severity:** ☐ severe ☐ moderate ☐ low

Compounding factors: _____

CROWN DEFECTS: S = severe, M = moderate, L = low

DEFECT	ROOT CROWN	TRUNK	SCAFFOLDS	BRANCHES
Poor taper				
Bow, sweep		M	L	
Co-dominants, forks				
Multiple attachments				
Included bark				
Excessive end weight				
Cracks/splits				
Hangers				
Girdling				
Wounds/seam				
Decay				
Cavity				
Conks/mushrooms				
Bleeding/sap flow				
Loose/cracked bark				
Nesting hole/bee hive				
Deadwood/stubs				
Borers/termites/ants				
Cankers/galls/burls				
Previous failure				

RECOMMENDED TREATMENT

Prune: ☐ remove defective part ☐ reduce end weight ☐ crown clean ☐ thin ☐ raise canopy ☐ crown reduce ☐ restructure ☐ shape

Pest control: _____ **Cable/Brace:** _____

Other Activities: ☐ aerate soil ☐ remove fill soil ☐ remove irrigation/planting ☐ remove wire, etc. ☐ fertilize/water

Inspect further: ☐ root crown ☐ decay ☐ aerial ☐ monitor **Remove tree?** Y N **Replace tree?** Y N **Move target:?** Y N **Other:** _____ ☒ no action required at this time

Effect on adjacent trees: ☒ none ☐ evaluate **Notification:** ☒ owner ☐ manager ☒ governing agency Date: See Tree Report

ADDITIONAL COMMENTS

FIELD EVALUATION FORM

Owner: _____ ☐ public ☒ private ☐ unknown ☐ other: _____

Site/Address: _____ Thomas Guide: Page: ____ Coordinate: ____

Date: 05/28/2015 Inspector: TJ Date of last inspection: _____ ☐ not previously inspected

TREE CHARACTERISTICS

Tree #: 19 Species: ☒ *Quercus agrifolia* ☐ *Quercus lobata* ☐ other _____

# of trunks: 1 dbH (inches): 10 Height (feet): 20

Compass direction	N	NE	E	SE	S	SW	W	NW
Dripline (feet)	12	9	8	7	11	12	15	10
Clearance to canopy (feet)	5	5	5	3	6	6	8	6

Form: ☒ generally symmetric ☐ minor asymmetry ☐ major asymmetry ☐ stump sprout ☐ stag-headed

Crown class: ☒ dominant ☐ co-dominant ☐ intermediate ☐ suppressed

Age class: ☐ young ☐ semi-mature ☒ mature ☐ over-mature/senescent Live crown ratio (conifers only): _____%

Pruning history: ☐ crown cleaned ☐ excessively thinned ☐ topped ☐ crown raised ☐ pollarded ☐ crown reduced ☐ flush cuts ☐ cabled/braced ☒ none ☐ multiple pruning events Approximate dates: _____ ☐ unknown

Special Value: ☐ specimen ☐ heritage/historic ☒ wildlife ☐ unusual ☐ street tree ☒ screen ☒ shade ☒ indigenous ☒ protected by government agency

TREE HEALTH

Foliage color: ☒ normal ☐ chlorotic ☐ necrotic

Epicormics? Y (N) Twig Dieback? Y (N)

Foliage density: ☒ normal ☐ sparse

Leaf size: ☒ normal ☐ small

Annual shoot growth: ☐ excellent ☒ average ☐ poor

Woundwood development: ☐ excellent ☒ average ☐ poor ☐ none

Vigor class: ☐ excellent ☒ average ☐ fair ☐ poor

Growth obstructions: ☐ stakes ☐ wire/ties ☐ signs ☐ cables ☐ curb/pavement ☐ guards ☐ other _____

Major pests/diseases: _____

SITE CONDITIONS

Site character: ☒ residence ☐ commercial ☐ industrial ☐ park ☒ open space ☒ natural ☒ woodland/forest

Landscape type: ☐ parkway ☐ raised bed ☐ container ☐ mound ☐ lawn ☒ shrub border ☐ wind break

Irrigation: ☒ none ☐ adequate ☐ inadequate ☐ excessive ☐ trunk wetted Pavement lifted? Y (N)

Recent site disturbance? Y (N) ☐ construction ☐ soil disturbance ☐ grade change ☐ line clearing ☐ site clearing

% dripline paved:	0%	10-25%	25-50%	50-75%	75-100%
% dripline w/fill soil:	0%	10-25%	25-50%	50-75%	75-100%
% dripline grade lowered:	0%	10-25%	25-50%	50-75%	75-100%

Soil problems: ☐ drainage ☐ shallow ☐ compacted ☐ droughty ☐ saline ☐ alkaline ☐ acidic ☐ small volume ☐ disease center ☐ history of failure ☐ clay ☐ expansive ☐ slope _____° aspect _____

Obstructions: ☐ lights ☐ signage ☐ line-of-sight ☐ view ☐ overhead lines ☐ underground utilities ☐ traffic ☐ adjacent vegetation ☐ other _____

Exposure to wind: ☒ single tree ☐ below canopy ☐ above canopy ☐ recently exposed ☐ windward, canopy edge ☐ area prone to windthrow

Prevailing wind direction: _____ Occurrence of snow/ice storms: ☒ never ☐ seldom ☐ regularly

FIELD EVALUATION FORM - PAGE 2 OF 2

Tree Number 19

TARGET

Use Under Tree: ☐ building ☐ parking ☐ traffic ☐ pedestrian ☐ recreation ☑ landscape ☐ hardscape ☐ small features ☐ utility lines Can target be moved? Y N Can use be restricted? Y N

Occupancy: ☑ occasional use ☐ intermittent use ☐ frequent use ☐ constant use

TREE DEFECTS - Noted as applicable

ROOT DEFECTS: Suspect root rot? Y N Mushroom/conk present? Y N ID: _____

Exposed roots: ☐ severe ☐ moderate ☐ low Undermined: ☐ severe ☐ moderate ☐ low

Root pruned: _____ feet from trunk Root area affected: _____% Buttress wounded? Y N When: _____

Restricted root area: ☐ severe ☐ moderate ☐ low Potential for root failure: ☐ severe ☐ moderate ☐ low

LEAN: _____ degrees from vertical ☐ natural ☐ unnatural ☐ self-corrected Soil heaving? Y N

Decay in plane of lean? Y N Roots broken? Y N Soil cracking? Y N Lean severity: ☐ severe ☐ moderate ☐ low

Compounding factors: _____

CROWN DEFECTS: S = severe, M = moderate, L = low

DEFECT	ROOT CROWN	TRUNK	SCAFFOLDS	BRANCHES
Poor taper				
Bow, sweep				
Co-dominants, forks				
Multiple attachments				
Included bark				
Excessive end weight				
Cracks/splits				
Hangers				
Girdling				
Wounds/seam				
Decay				
Cavity				
Conks/mushrooms				
Bleeding/sap flow				
Loose/cracked bark				
Nesting hole/bee hive				
Deadwood/stubs				
Borers/termites/ants				
Cankers/galls/burls				
Previous failure				

RECOMMENDED TREATMENT

Prune: ☐ remove defective part ☐ reduce end weight ☐ crown clean ☐ thin ☐ raise canopy ☐ crown reduce ☐ restructure ☐ shape

Pest control: _____ Cable/Brace: _____

Other Activities: ☐ aerate soil ☐ remove fill soil ☐ remove irrigation/planting ☐ remove wire, etc. ☐ fertilize/water

Inspect further: ☐ root crown ☐ decay ☐ aerial ☐ monitor Remove tree? Y N Replace tree? Y N Move target:? Y N Other: _____ ☑ no action required at this time

Effect on adjacent trees: ☑ none ☐ evaluate Notification: ☐ owner ☐ manager ☑ governing agency Date: See Tree Report

ADDITIONAL COMMENTS

FIELD EVALUATION FORM

Owner: _____ ☐ public ☑ private ☐ unknown ☐ other: _____

Site/Address: _____ Thomas Guide: Page: ____ Coordinate: ____

Date: 05/28/2015 Inspector: TJ Date of last inspection: _____ ☐ not previously inspected

TREE CHARACTERISTICS

Tree #: 20 Species: ☑ *Quercus agrifolia* ☐ *Quercus lobata* ☐ other _____

# of trunks: 1 dbH (inches): 13 Height (feet): 20

Compass direction	N	NE	E	SE	S	SW	W	NW
Dripline (feet)	13	13	11	9	17	9	13	9
Clearance to canopy (feet)	15	15	12	4	20	8	6	4

Form: ☐ generally symmetric ☐ minor asymmetry ☐ major asymmetry ☐ stump sprout ☐ stag-headed

Crown class: ☐ dominant ☑ co-dominant ☐ intermediate ☐ suppressed

Age class: ☐ young ☐ semi-mature ☑ mature ☐ over-mature/senescent Live crown ratio (conifers only): _____%

Pruning history: ☐ crown cleaned ☐ excessively thinned ☐ topped ☐ crown raised ☐ pollarded ☐ crown reduced ☐ flush cuts ☐ cabled/braced ☑ none ☐ multiple pruning events Approximate dates: _____ ☐ unknown

Special Value: ☐ specimen ☐ heritage/historic ☑ wildlife ☐ unusual ☐ street tree ☑ screen ☑ shade ☑ indigenous ☑ protected by government agency

TREE HEALTH

Foliage color: ☑ normal ☐ chlorotic ☐ necrotic

Epicormics? Y N Twig Dieback? Y N

Foliage density: ☑ normal ☐ sparse

Leaf size: ☑ normal ☐ small

Annual shoot growth: ☐ excellent ☑ average ☐ poor

Woundwood development: ☐ excellent ☑ average ☐ poor ☐ none

Vigor class: ☐ excellent ☑ average ☐ fair ☐ poor

Growth obstructions: ☐ stakes ☐ wire/ties ☐ signs ☐ cables ☐ curb/pavement ☐ guards ☐ other _____

Major pests/diseases: _____

SITE CONDITIONS

Site character: ☑ residence ☐ commercial ☐ industrial ☐ park ☑ open space ☑ natural ☑ woodland/forest

Landscape type: ☐ parkway ☐ raised bed ☐ container ☐ mound ☐ lawn ☑ shrub border ☐ wind break

Irrigation: ☑ none ☐ adequate ☐ inadequate ☐ excessive ☐ trunk wetted Pavement lifted? Y N

Recent site disturbance? Y N ☐ construction ☐ soil disturbance ☐ grade change ☐ line clearing ☐ site clearing

% dripline paved:	0%	10-25%	25-50%	50-75%	75-100%
% dripline wifill soil:	0%	10-25%	25-50%	50-75%	75-100%
% dripline grade lowered:	0%	10-25%	25-50%	50-75%	75-100%

Soil problems: ☐ drainage ☐ shallow ☐ compacted ☐ droughty ☐ saline ☐ alkaline ☐ acidic ☐ small volume ☐ disease center ☐ history of failure ☐ clay ☐ expansive ☐ slope _____° aspect _____

Obstructions: ☐ lights ☐ signage ☐ line-of-sight ☐ view ☐ overhead lines ☐ underground utilities ☐ traffic ☐ adjacent vegetation ☐ other _____

Exposure to wind: ☐ single tree ☐ below canopy ☐ above canopy ☐ recently exposed ☐ windward, canopy edge ☐ area prone to windthrow

Prevailing wind direction: _____ Occurrence of snow/ice storms: ☑ never ☐ seldom ☐ regularly

FIELD EVALUATION FORM - PAGE 2 OF 2

Tree Number 20

TARGET

Use Under Tree: ☐ building ☐ parking ☐ traffic ☐ pedestrian ☐ recreation ☑ landscape ☐ hardscape ☐ small features ☐ utility lines Can target be moved? Y N Can use be restricted? Y N

Occupancy: ☐ occasional use ☐ intermittent use ☐ frequent use ☐ constant use

TREE DEFECTS - Noted as applicable

ROOT DEFECTS: Suspect root rot? Y N Mushroom/conk present? Y N ID: _____

Exposed roots: ☐ severe ☐ moderate ☐ low Undermined: ☐ severe ☐ moderate ☐ low

Root pruned: _____ feet from trunk Root area affected: _____% Buttress wounded? Y N When: _____

Restricted root area: ☐ severe ☐ moderate ☐ low Potential for root failure: ☐ severe ☐ moderate ☐ low

LEAN: _____ degrees from vertical ☐ natural ☐ unnatural ☐ self-corrected Soil heaving? Y N

Decay in plane of lean? Y N Roots broken? Y N Soil cracking? Y N Lean severity: ☐ severe ☐ moderate ☐ low

Compounding factors: _____

CROWN DEFECTS: S = severe, M = moderate, L = low

DEFECT	ROOT CROWN	TRUNK	SCAFFOLDS	BRANCHES
Poor taper				
Bow, sweep				
Co-dominants, forks				
Multiple attachments				
Included bark				
Excessive end weight				
Cracks/splits				
Hangers				
Girdling				
Wounds/seam				
Decay				
Cavity				
Conks/mushrooms				
Bleeding/sap flow				
Loose/cracked bark				
Nesting hole/bee hive				
Deadwood/stubs				
Borers/termites/ants				
Cankers/galls/burls				
Previous failure				

RECOMMENDED TREATMENT

Prune: ☐ remove defective part ☐ reduce end weight ☐ crown clean ☐ thin ☐ raise canopy ☐ crown reduce ☐ restructure ☐ shape

Pest control: _____ Cable/Brace: _____

Other Activities: ☐ aerate soil ☐ remove fill soil ☐ remove irrigation/planting ☐ remove wire, etc. ☐ fertilize/water

Inspect further: ☐ root crown ☐ decay ☐ aerial ☐ monitor Remove tree? Y N Replace tree? Y N Move target:? Y N Other: _____ ☑ no action required at this time

Effect on adjacent trees: ☐ none ☐ evaluate Notification: ☐ owner ☐ manager ☐ governing agency Date: See Tree Report

ADDITIONAL COMMENTS

FIELD EVALUATION FORM

Owner: _____ ☐ public ☐ private ☐ unknown ☐ other: _____

Site/Address: _____ Thomas Guide: Page: ____ Coordinate: ____

Date: 05/28/2015 Inspector: TJ Date of last inspection: _____ ☐ not previously inspected

TREE CHARACTERISTICS

Tree #: 21 Species: ☐ *Quercus agrifolia* ☐ *Quercus lobata* ☐ other _____

# of trunks: 2 dbH (inches): 17, 8@2' Height (feet): 40

Compass direction	N	NE	E	SE	S	SW	W	NW
Dripline (feet)	23	0	12	24	25	24	16	15
Clearance to canopy (feet)	15	0	15	40	40	40	20	40

Form: ☐ generally symmetric ☐ minor asymmetry ☐ major asymmetry ☐ stump sprout ☐ stag-headed

Crown class: ☐ dominant ☐ co-dominant ☐ intermediate ☐ suppressed

Age class: ☐ young ☐ semi-mature ☐ mature ☐ over-mature/senescent Live crown ratio (conifers only): _____%

Pruning history: ☐ crown cleaned ☐ excessively thinned ☐ topped ☐ crown raised ☐ pollarded ☐ crown reduced ☐ flush cuts ☐ cabled/braced ☐ none ☐ multiple pruning events Approximate dates: _____ ☐ unknown

Special Value: ☐ specimen ☐ heritage/historic ☐ wildlife ☐ unusual ☐ street tree ☐ screen ☐ shade ☐ indigenous ☐ protected by government agency

TREE HEALTH

Foliage color: ☐ normal ☐ chlorotic ☐ necrotic

Epicormics? Y N Twig Dieback? Y N

Foliage density: ☐ normal ☐ sparse

Leaf size: ☐ normal ☐ small

Annual shoot growth: ☐ excellent ☐ average ☐ poor

Woundwood development: ☐ excellent ☐ average ☐ poor ☐ none

Vigor class: ☐ excellent ☐ average ☐ fair ☐ poor

Growth obstructions: ☐ stakes ☐ wire/ties ☐ signs ☐ cables ☐ curb/pavement ☐ guards ☐ other _____

Major pests/diseases: _____

SITE CONDITIONS

Site character: ☐ residence ☐ commercial ☐ industrial ☐ park ☐ open space ☐ natural ☐ woodland/forest

Landscape type: ☐ parkway ☐ raised bed ☐ container ☐ mound ☐ lawn ☐ shrub border ☐ wind break

Irrigation: ☐ none ☐ adequate ☐ inadequate ☐ excessive ☐ trunk wetted Pavement lifted? Y N

Recent site disturbance? Y N ☐ construction ☐ soil disturbance ☐ grade change ☐ line clearing ☐ site clearing

% dripline paved:	0%	10-25%	25-50%	50-75%	75-100%
% dripline w/fill soil:	0%	10-25%	25-50%	50-75%	75-100%
% dripline grade lowered:	0%	10-25%	25-50%	50-75%	75-100%

Soil problems: ☐ drainage ☐ shallow ☐ compacted ☐ droughty ☐ saline ☐ alkaline ☐ acidic ☐ small volume ☐ disease center ☐ history of failure ☐ clay ☐ expansive ☐ slope _____° aspect _____

Obstructions: ☐ lights ☐ signage ☐ line-of-sight ☐ view ☐ overhead lines ☐ underground utilities ☐ traffic ☐ adjacent vegetation ☐ other _____

Exposure to wind: ☐ single tree ☐ below canopy ☐ above canopy ☐ recently exposed ☐ windward, canopy edge ☐ area prone to windthrow

Prevailing wind direction: _____ Occurrence of snow/ice storms: ☐ never ☐ seldom ☐ regularly

FIELD EVALUATION FORM - PAGE 2 OF 2

Tree Number 21

TARGET

Use Under Tree: ☐ building ☐ parking ☐ traffic ☐ pedestrian ☐ recreation ☒ landscape ☐ hardscape ☐ small features ☐ utility lines Can target be moved? Y N Can use be restricted? Y N

Occupancy: ☒ occasional use ☐ intermittent use ☐ frequent use ☐ constant use

TREE DEFECTS - Noted as applicable

ROOT DEFECTS: Suspect root rot? Y N Mushroom/conk present? Y N ID: _____

Exposed roots: ☐ severe ☐ moderate ☐ low Undermined: ☐ severe ☐ moderate ☐ low

Root pruned: _____ feet from trunk Root area affected: _____% Buttress wounded? Y N When: _____

Restricted root area: ☐ severe ☐ moderate ☐ low Potential for root failure: ☐ severe ☐ moderate ☐ low

LEAN: _____ degrees from vertical ☐ natural ☐ unnatural ☐ self-corrected Soil heaving? Y N

Decay in plane of lean? Y N Roots broken? Y N Soil cracking? Y N Lean severity: ☐ severe ☐ moderate ☐ low

Compounding factors: _____

CROWN DEFECTS: S = severe, M = moderate, L = low

DEFECT	ROOT CROWN	TRUNK	SCAFFOLDS	BRANCHES
Poor taper				
Bow, sweep				
Co-dominants, forks				
Multiple attachments				
Included bark				
Excessive end weight				
Cracks/splits				
Hangers				
Girdling				
Wounds/seam				
Decay				
Cavity				
Conks/mushrooms				
Bleeding/sap flow				
Loose/cracked bark				
Nesting hole/bee hive				
Deadwood/stubs				
Borers/termites/ants				
Cankers/galls/burls				
Previous failure				

RECOMMENDED TREATMENT

Prune: ☐ remove defective part ☐ reduce end weight ☐ crown clean ☐ thin ☐ raise canopy ☐ crown reduce ☐ restructure ☐ shape

Pest control: _____ Cable/Brace: _____

Other Activities: ☐ aerate soil ☐ remove fill soil ☐ remove irrigation/planting ☐ remove wire, etc. ☐ fertilize/water

Inspect further: ☐ root crown ☐ decay ☐ aerial ☐ monitor Remove tree? Y N Replace tree? Y N Move target:? Y N Other: _____ ☒ no action required at this time

Effect on adjacent trees: ☒ none ☐ evaluate Notification: ☒ owner ☐ manager ☒ governing agency Date: See Tree Report

ADDITIONAL COMMENTS

FIELD EVALUATION FORM

Owner: _____ ☐ public ☐ private ☐ unknown ☐ other: _____

Site/Address: _____ Thomas Guide: Page: ____ Coordinate: ____

Date: 05/28/2015 Inspector: TJ Date of last inspection: _____ ☐ not previously inspected

TREE CHARACTERISTICS

Tree #: 22 Species: ☑ *Quercus agrifolia* ☐ *Quercus lobata* ☐ other _____

# of trunks: 1 dbH (inches): 12 Height (feet): 40

Compass direction	N	NE	E	SE	S	SW	W	NW
Dripline (feet)	22	21	0	0	0	0	0	23
Clearance to canopy (feet)	15	15	0	0	0	0	0	15

Form: ☐ generally symmetric ☑ minor asymmetry ☐ major asymmetry ☐ stump sprout ☐ stag-headed

Crown class: ☐ dominant ☑ co-dominant ☐ intermediate ☐ suppressed

Age class: ☐ young ☐ semi-mature ☑ mature ☐ over-mature/senescent Live crown ratio (conifers only): _____%

Pruning history: ☐ crown cleaned ☐ excessively thinned ☐ topped ☐ crown raised ☐ pollarded ☐ crown reduced ☐ flush cuts ☐ cabled/braced ☑ none ☐ multiple pruning events Approximate dates: _____ ☐ unknown

Special Value: ☐ specimen ☐ heritage/historic ☑ wildlife ☐ unusual ☐ street tree ☑ screen ☑ shade ☑ indigenous ☑ protected by government agency

TREE HEALTH

Foliage color: ☑ normal ☐ chlorotic ☐ necrotic

Epicormics? Y N Twig Dieback? Y N

Foliage density: ☑ normal ☐ sparse

Leaf size: ☑ normal ☐ small

Annual shoot growth: ☐ excellent ☑ average ☐ poor

Woundwood development: ☐ excellent ☑ average ☐ poor ☐ none

Vigor class: ☐ excellent ☑ average ☐ fair ☐ poor

Growth obstructions: ☐ stakes ☐ wire/ties ☐ signs ☐ cables ☐ curb/pavement ☐ guards ☐ other _____

Major pests/diseases: _____

SITE CONDITIONS

Site character: ☑ residence ☐ commercial ☐ industrial ☐ park ☑ open space ☑ natural ☑ woodland/forest

Landscape type: ☐ parkway ☐ raised bed ☐ container ☐ mound ☐ lawn ☑ shrub border ☐ wind break

Irrigation: ☑ none ☐ adequate ☐ inadequate ☐ excessive ☐ trunk wetted Pavement lifted? Y N

Recent site disturbance? Y N ☐ construction ☐ soil disturbance ☐ grade change ☐ line clearing ☐ site clearing

% dripline paved: 0% 10-25% 25-50% 50-75% 75-100%

% dripline w/fill soil: 0% 10-25% 25-50% 50-75% 75-100%

% dripline grade lowered: 0% 10-25% 25-50% 50-75% 75-100%

Soil problems: ☐ drainage ☐ shallow ☐ compacted ☐ droughty ☐ saline ☐ alkaline ☐ acidic ☐ small volume ☐ disease center ☐ history of failure ☐ clay ☐ expansive ☐ slope _____° aspect _____

Obstructions: ☐ lights ☐ signage ☐ line-of-sight ☐ view ☐ overhead lines ☐ underground utilities ☐ traffic ☐ adjacent vegetation ☐ other _____

Exposure to wind: ☐ single tree ☑ below canopy ☐ above canopy ☐ recently exposed ☐ windward, canopy edge ☐ area prone to windthrow

Prevailing wind direction: _____ Occurrence of snow/ice storms: ☑ never ☐ seldom ☐ regularly

FIELD EVALUATION FORM - PAGE 2 OF 2 Tree Number 22

TARGET

Use Under Tree: ☐ building ☐ parking ☐ traffic ☐ pedestrian ☐ recreation ☐ landscape ☐ hardscape ☐ small features ☐ utility lines **Can target be moved?** Y N **Can use be restricted?** Y N

Occupancy: ☐ occasional use ☐ intermittent use ☐ frequent use ☐ constant use

TREE DEFECTS - Noted as applicable

ROOT DEFECTS: **Suspect root rot?** Y N **Mushroom/conk present?** Y N **ID:** _____

Exposed roots: ☐ severe ☐ moderate ☐ low **Undermined:** ☐ severe ☐ moderate ☐ low

Root pruned: _____ feet from trunk **Root area affected:** _____% **Buttress wounded?** Y N **When:** _____

Restricted root area: ☐ severe ☐ moderate ☐ low **Potential for root failure:** ☐ severe ☐ moderate ☐ low

LEAN: _____ degrees from vertical ☐ natural ☐ unnatural ☐ self-corrected **Soil heaving?** Y N

Decay in plane of lean? Y N **Roots broken?** Y N **Soil cracking?** Y N **Lean severity:** ☐ severe ☐ moderate ☐ low

Compounding factors: _____

CROWN DEFECTS: S = severe, M = moderate, L = low

DEFECT	ROOT CROWN	TRUNK	SCAFFOLDS	BRANCHES
Poor taper				
Bow, sweep		S	M	
Co-dominants, forks				
Multiple attachments				
Included bark				
Excessive end weight				
Cracks/splits				
Hangers				
Girdling				
Wounds/seam				
Decay				
Cavity				
Conks/mushrooms				
Bleeding/sap flow				
Loose/cracked bark				
Nesting hole/bee hive				
Deadwood/stubs				
Borers/termites/ants				
Cankers/galls/burls				
Previous failure				

RECOMMENDED TREATMENT

Prune: ☐ remove defective part ☐ reduce end weight ☐ crown clean ☐ thin ☐ raise canopy ☐ crown reduce ☐ restructure ☐ shape

Pest control: _____ **Cable/Brace:** _____

Other Activities: ☐ aerate soil ☐ remove fill soil ☐ remove irrigation/planting ☐ remove wire, etc. ☐ fertilize/water

Inspect further: ☐ root crown ☐ decay ☐ aerial ☐ monitor **Remove tree?** Y N **Replace tree?** Y N **Move target:?** Y N **Other:** _____ ☐ no action required at this time

Effect on adjacent trees: ☐ none ☐ evaluate **Notification:** ☐ owner ☐ manager ☐ governing agency Date: See Tree Report

ADDITIONAL COMMENTS

FIELD EVALUATION FORM

Owner: _____ ☐ public ☒ private ☐ unknown ☐ other: _____

Site/Address: _____ Thomas Guide: Page: ____ Coordinate: ____

Date: 05/28/2015 Inspector: TJ Date of last inspection: _____ ☐ not previously inspected

TREE CHARACTERISTICS

Tree #: 23 Species: ☒ *Quercus agrifolia* ☐ *Quercus lobata* ☐ other _____

# of trunks: 1 dbH (inches): 11 Height (feet): 20

Compass direction	N	NE	E	SE	S	SW	W	NW
Dripline (feet)	0	2	8	0	15	18	17	0
Clearance to canopy (feet)	0	6	0	0	0	0	0	0

Form: ☐ generally symmetric ☐ minor asymmetry ☒ major asymmetry ☐ stump sprout ☐ stag-headed

Crown class: ☐ dominant ☒ co-dominant ☒ intermediate ☐ suppressed

Age class: ☐ young ☐ semi-mature ☒ mature ☐ over-mature/senescent Live crown ratio (conifers only): _____%

Pruning history: ☐ crown cleaned ☐ excessively thinned ☐ topped ☐ crown raised ☐ pollarded ☐ crown reduced ☐ flush cuts ☐ cabled/braced ☒ none ☐ multiple pruning events Approximate dates: _____ ☐ unknown

Special Value: ☐ specimen ☐ heritage/historic ☒ wildlife ☐ unusual ☐ street tree ☒ screen ☒ shade ☒ indigenous ☒ protected by government agency

TREE HEALTH

Foliage color: ☒ normal ☐ chlorotic ☐ necrotic

Epicormics? Y N Twig Dieback? Y N

Foliage density: ☒ normal ☐ sparse

Leaf size: ☒ normal ☐ small

Annual shoot growth: ☐ excellent ☒ average ☐ poor

Woundwood development: ☐ excellent ☒ average ☐ poor ☐ none

Vigor class: ☐ excellent ☒ average ☐ fair ☐ poor

Growth obstructions: ☐ stakes ☐ wire/ties ☐ signs ☐ cables ☐ curb/pavement ☐ guards ☐ other _____

Major pests/diseases: _____

SITE CONDITIONS

Site character: ☒ residence ☐ commercial ☐ industrial ☐ park ☒ open space ☒ natural ☒ woodland/forest

Landscape type: ☐ parkway ☐ raised bed ☐ container ☐ mound ☐ lawn ☒ shrub border ☐ wind break

Irrigation: ☒ none ☐ adequate ☐ inadequate ☐ excessive ☐ trunk wetted Pavement lifted? Y N

Recent site disturbance? Y N ☐ construction ☐ soil disturbance ☐ grade change ☐ line clearing ☐ site clearing

% dripline paved: 0% 10-25% 25-50% 50-75% 75-100%

% dripline w/fill soil: 0% 10-25% 25-50% 50-75% 75-100%

% dripline grade lowered: 0% 10-25% 25-50% 50-75% 75-100%

Soil problems: ☐ drainage ☐ shallow ☐ compacted ☐ droughty ☐ saline ☐ alkaline ☐ acidic ☐ small volume ☐ disease center ☐ history of failure ☐ clay ☐ expansive ☐ slope _____° aspect _____

Obstructions: ☐ lights ☐ signage ☐ line-of-sight ☐ view ☐ overhead lines ☐ underground utilities ☐ traffic ☐ adjacent vegetation ☐ other _____

Exposure to wind: ☐ single tree ☒ below canopy ☐ above canopy ☐ recently exposed ☐ windward, canopy edge ☐ area prone to windthrow

Prevailing wind direction: _____ Occurrence of snow/ice storms: ☒ never ☐ seldom ☐ regularly

FIELD EVALUATION FORM - PAGE 2 OF 2 Tree Number 23

TARGET

Use Under Tree: ☐ building ☐ parking ☐ traffic ☐ pedestrian ☐ recreation ☒ landscape ☐ hardscape ☐ small features ☐ utility lines **Can target be moved?** Y N **Can use be restricted?** Y N

Occupancy: ☒ occasional use ☐ intermittent use ☐ frequent use ☐ constant use

TREE DEFECTS - Noted as applicable

ROOT DEFECTS: **Suspect root rot?** Y N **Mushroom/conk present?** Y N **ID:** _____

Exposed roots: ☐ severe ☐ moderate ☐ low **Undermined:** ☐ severe ☐ moderate ☐ low

Root pruned: _____ feet from trunk **Root area affected:** _____% **Buttress wounded?** Y N **When:** _____

Restricted root area: ☐ severe ☐ moderate ☐ low **Potential for root failure:** ☐ severe ☐ moderate ☐ low

LEAN: _____ degrees from vertical ☐ natural ☐ unnatural ☐ self-corrected **Soil heaving?** Y N

Decay in plane of lean? Y N **Roots broken?** Y N **Soil cracking?** Y N **Lean severity:** ☐ severe ☐ moderate ☐ low

Compounding factors: _____

CROWN DEFECTS: S = severe, M = moderate, L = low

DEFECT	ROOT CROWN	TRUNK	SCAFFOLDS	BRANCHES
Poor taper				
Bow, sweep		S	S	
Co-dominants, forks				
Multiple attachments				
Included bark				
Excessive end weight				
Cracks/splits				
Hangers				
Girdling				
Wounds/seam				
Decay				
Cavity				
Conks/mushrooms				
Bleeding/sap flow				
Loose/cracked bark				
Nesting hole/bee hive				
Deadwood/stubs				
Borers/termites/ants				
Cankers/galls/burls				
Previous failure				

RECOMMENDED TREATMENT

Prune: ☐ remove defective part ☐ reduce end weight ☐ crown clean ☐ thin ☐ raise canopy ☐ crown reduce ☐ restructure ☐ shape

Pest control: _____ **Cable/Brace:** _____

Other Activities: ☐ aerate soil ☐ remove fill soil ☐ remove irrigation/planting ☐ remove wire, etc. ☐ fertilize/water

Inspect further: ☐ root crown ☐ decay ☐ aerial ☐ monitor **Remove tree?** Y N **Replace tree?** Y N **Move target:?** Y N **Other:** _____ ☒ no action required at this time

Effect on adjacent trees: ☒ none ☐ evaluate **Notification:** ☒ owner ☐ manager ☒ governing agency Date: See Tree Report

ADDITIONAL COMMENTS

FIELD EVALUATION FORM

Owner: _____ ☐ public ☒ private ☐ unknown ☐ other: _____

Site/Address: _____ Thomas Guide: Page: ____ Coordinate: ____

Date: 05/26/2015 Inspector: TJ Date of last inspection: _____ ☐ not previously inspected

TREE CHARACTERISTICS

Tree #: 24 Species: ☒ *Quercus agrifolia* ☐ *Quercus lobata* ☐ other _____

# of trunks: 1 dbH (inches): 9 Height (feet): 20

Compass direction	N	NE	E	SE	S	SW	W	NW
Dripline (feet)	16	11	8	5	8	8	0	11
Clearance to canopy (feet)	20	10	10	4	8	8	0	20

Form: ☐ generally symmetric ☒ minor asymmetry ☐ major asymmetry ☐ stump sprout ☐ stag-headed

Crown class: ☐ dominant ☒ co-dominant ☐ intermediate ☐ suppressed

Age class: ☐ young ☒ semi-mature ☐ mature ☐ over-mature/senescent Live crown ratio (conifers only): _____%

Pruning history: ☐ crown cleaned ☐ excessively thinned ☐ topped ☐ crown raised ☐ pollarded ☐ crown reduced ☐ flush cuts ☐ cabled/braced ☒ none ☐ multiple pruning events Approximate dates: _____ ☐ unknown

Special Value: ☐ specimen ☐ heritage/historic ☒ wildlife ☐ unusual ☐ street tree ☒ screen ☒ shade ☒ indigenous ☒ protected by government agency

TREE HEALTH

Foliage color: ☒ normal ☐ chlorotic ☐ necrotic

Epicormics? Y N Twig Dieback? Y N

Foliage density: ☒ normal ☐ sparse

Leaf size: ☒ normal ☐ small

Annual shoot growth: ☐ excellent ☒ average ☐ poor

Woundwood development: ☐ excellent ☒ average ☐ poor ☐ none

Vigor class: ☐ excellent ☒ average ☐ fair ☐ poor

Growth obstructions: ☐ stakes ☐ wire/ties ☐ signs ☐ cables ☐ curb/pavement ☐ guards ☐ other _____

Major pests/diseases: _____

SITE CONDITIONS

Site character: ☒ residence ☐ commercial ☐ industrial ☐ park ☒ open space ☒ natural ☒ woodland/forest

Landscape type: ☐ parkway ☐ raised bed ☐ container ☐ mound ☐ lawn ☒ shrub border ☐ wind break

Irrigation: ☒ none ☐ adequate ☐ inadequate ☐ excessive ☐ trunk wetted Pavement lifted? Y N

Recent site disturbance? Y N ☐ construction ☐ soil disturbance ☐ grade change ☐ line clearing ☐ site clearing

% dripline paved: 0% 10-25% 25-50% 50-75% 75-100%

% dripline w/fill soil: 0% 10-25% 25-50% 50-75% 75-100%

% dripline grade lowered: 0% 10-25% 25-50% 50-75% 75-100%

Soil problems: ☐ drainage ☐ shallow ☐ compacted ☐ droughty ☐ saline ☐ alkaline ☐ acidic ☐ small volume ☐ disease center ☐ history of failure ☐ clay ☐ expansive ☐ slope _____° aspect _____

Obstructions: ☐ lights ☐ signage ☐ line-of-sight ☐ view ☐ overhead lines ☐ underground utilities ☐ traffic ☐ adjacent vegetation ☐ other _____

Exposure to wind: ☐ single tree ☒ below canopy ☐ above canopy ☐ recently exposed ☐ windward, canopy edge ☐ area prone to windthrow

Prevailing wind direction: _____ Occurrence of snow/ice storms: ☒ never ☐ seldom ☐ regularly

FIELD EVALUATION FORM - PAGE 2 OF 2 Tree Number 24

TARGET

Use Under Tree: ☐ building ☐ parking ☐ traffic ☐ pedestrian ☐ recreation ☒ landscape ☐ hardscape ☐ small features ☐ utility lines **Can target be moved?** Y N **Can use be restricted?** Y N

Occupancy: ☒ occasional use ☐ intermittent use ☐ frequent use ☐ constant use

TREE DEFECTS - Noted as applicable

ROOT DEFECTS: **Suspect root rot?** Y N **Mushroom/conk present?** Y N ID: _____

Exposed roots: ☐ severe ☐ moderate ☐ low **Undermined:** ☐ severe ☐ moderate ☐ low

Root pruned: _____ feet from trunk **Root area affected:** _____% **Buttress wounded?** Y N **When:** _____

Restricted root area: ☐ severe ☐ moderate ☐ low **Potential for root failure:** ☐ severe ☐ moderate ☐ low

LEAN: _____ degrees from vertical ☐ natural ☐ unnatural ☐ self-corrected **Soil heaving?** Y N

Decay in plane of lean? Y N **Roots broken?** Y N **Soil cracking?** Y N **Lean severity:** ☐ severe ☐ moderate ☐ low

Compounding factors: _____

CROWN DEFECTS: S = severe, M = moderate, L = low

DEFECT	ROOT CROWN	TRUNK	SCAFFOLDS	BRANCHES
Poor taper				
Bow, sweep				
Co-dominants, forks				
Multiple attachments				
Included bark				
Excessive end weight				
Cracks/splits				
Hangers				
Girdling				
Wounds/seam				
Decay				
Cavity				
Conks/mushrooms				
Bleeding/sap flow				
Loose/cracked bark				
Nesting hole/bee hive				
Deadwood/stubs				
Borers/termites/ants				
Cankers/galls/burls				
Previous failure				

RECOMMENDED TREATMENT

Prune: ☐ remove defective part ☐ reduce end weight ☐ crown clean ☐ thin ☐ raise canopy ☐ crown reduce ☐ restructure ☐ shape

Pest control: _____ **Cable/Brace:** _____

Other Activities: ☐ aerate soil ☐ remove fill soil ☐ remove irrigation/planting ☐ remove wire, etc. ☐ fertilize/water

Inspect further: ☐ root crown ☐ decay ☐ aerial ☐ monitor **Remove tree?** Y N **Replace tree?** Y N **Move target:?** Y N **Other:** _____ ☒ no action required at this time

Effect on adjacent trees: ☒ none ☐ evaluate **Notification:** ☒ owner ☐ manager ☒ governing agency Date: See Tree Report

ADDITIONAL COMMENTS

FIELD EVALUATION FORM

Owner: _____ ☐ public ☒ private ☐ unknown ☐ other: _____

Site/Address: _____ Thomas Guide: Page: ____ Coordinate: ____

Date: 05/28/2015 Inspector: TJ Date of last inspection: _____ ☐ not previously inspected

TREE CHARACTERISTICS

Tree #: 26 Species: ☐ *Quercus agrifolia* ☐ *Quercus lobata* ☒ other Quercus Beberidifolia

# of trunks: 6 dbH (inches): 4,5,6,6,5,3 Height (feet): 15

Compass direction	N	NE	E	SE	S	SW	W	NW
Dripline (feet)	12	15	11	8	8	14	13	8
Clearance to canopy (feet)	15	15	10	6	0	0	8	15

Form: ☒ generally symmetric ☐ minor asymmetry ☐ major asymmetry ☐ stump sprout ☐ stag-headed

Crown class: ☒ dominant ☐ co-dominant ☐ intermediate ☐ suppressed

Age class: ☐ young ☐ semi-mature ☒ mature ☐ over-mature/senescent Live crown ratio (conifers only): _____%

Pruning history: ☐ crown cleaned ☐ excessively thinned ☐ topped ☐ crown raised ☐ pollarded ☐ crown reduced ☐ flush cuts ☐ cabled/braced ☒ none ☐ multiple pruning events Approximate dates: _____ ☐ unknown

Special Value: ☐ specimen ☐ heritage/historic ☒ wildlife ☐ unusual ☐ street tree ☒ screen ☒ shade ☒ indigenous ☒ protected by government agency

TREE HEALTH

Foliage color: ☒ normal ☐ chlorotic ☐ necrotic

Epicormics? Y (N) Twig Dieback? Y (N)

Foliage density: ☒ normal ☐ sparse

Leaf size: ☒ normal ☐ small

Annual shoot growth: ☐ excellent ☒ average ☐ poor

Woundwood development: ☐ excellent ☒ average ☐ poor ☐ none

Vigor class: ☐ excellent ☒ average ☐ fair ☐ poor

Growth obstructions: ☐ stakes ☐ wire/ties ☐ signs ☐ cables ☐ curb/pavement ☐ guards ☐ other _____

Major pests/diseases: _____

SITE CONDITIONS

Site character: ☒ residence ☐ commercial ☐ industrial ☐ park ☒ open space ☒ natural ☒ woodland/forest

Landscape type: ☐ parkway ☐ raised bed ☐ container ☐ mound ☐ lawn ☒ shrub border ☐ wind break

Irrigation: ☒ none ☐ adequate ☐ inadequate ☐ excessive ☐ trunk wetted Pavement lifted? Y (N)

Recent site disturbance? Y (N) ☐ construction ☐ soil disturbance ☐ grade change ☐ line clearing ☐ site clearing

% dripline paved:	0%	10-25%	25-50%	50-75%	75-100%
% dripline w/fill soil:	0%	10-25%	25-50%	50-75%	75-100%
% dripline grade lowered:	0%	10-25%	25-50%	50-75%	75-100%

Soil problems: ☐ drainage ☐ shallow ☐ compacted ☐ droughty ☐ saline ☐ alkaline ☐ acidic ☐ small volume ☐ disease center ☐ history of failure ☐ clay ☐ expansive ☐ slope _____° aspect _____

Obstructions: ☐ lights ☐ signage ☐ line-of-sight ☐ view ☐ overhead lines ☐ underground utilities ☐ traffic ☐ adjacent vegetation ☐ other _____

Exposure to wind: ☒ single tree ☐ below canopy ☐ above canopy ☐ recently exposed ☐ windward, canopy edge ☐ area prone to windthrow

Prevailing wind direction: _____ Occurrence of snow/ice storms: ☒ never ☐ seldom ☐ regularly

FIELD EVALUATION FORM - PAGE 2 OF 2

Tree Number 25

TARGET

Use Under Tree: ☐ building ☐ parking ☐ traffic ☐ pedestrian ☐ recreation ☒ landscape ☐ hardscape ☐ small features ☐ utility lines Can target be moved? Y N Can use be restricted? Y N

Occupancy: ☒ occasional use ☐ intermittent use ☐ frequent use ☐ constant use

TREE DEFECTS - Noted as applicable

ROOT DEFECTS: Suspect root rot? Y N Mushroom/conk present? Y N ID: _____

Exposed roots: ☐ severe ☐ moderate ☐ low Undermined: ☐ severe ☐ moderate ☐ low

Root pruned: _____ feet from trunk Root area affected: _____% Buttress wounded? Y N When: _____

Restricted root area: ☐ severe ☐ moderate ☐ low Potential for root failure: ☐ severe ☐ moderate ☐ low

LEAN: _____ degrees from vertical ☐ natural ☐ unnatural ☐ self-corrected Soil heaving? Y N

Decay in plane of lean? Y N Roots broken? Y N Soil cracking? Y N Lean severity: ☐ severe ☐ moderate ☐ low

Compounding factors: _____

CROWN DEFECTS: S = severe, M = moderate, L = low

DEFECT	ROOT CROWN	TRUNK	SCAFFOLDS	BRANCHES
Poor taper				
Bow, sweep				
Co-dominants, forks				
Multiple attachments				
Included bark				
Excessive end weight				
Cracks/splits				
Hangers				
Girdling				
Wounds/seam				
Decay				
Cavity				
Conks/mushrooms				
Bleeding/sap flow				
Loose/cracked bark				
Nesting hole/bee hive				
Deadwood/stubs				
Borers/termites/ants				
Cankers/galls/burls				
Previous failure				

RECOMMENDED TREATMENT

Prune: ☐ remove defective part ☐ reduce end weight ☐ crown clean ☐ thin ☐ raise canopy ☐ crown reduce ☐ restructure ☐ shape

Pest control: _____ Cable/Brace: _____

Other Activities: ☐ aerate soil ☐ remove fill soil ☐ remove irrigation/planting ☐ remove wire, etc. ☐ fertilize/water

Inspect further: ☐ root crown ☐ decay ☐ aerial ☐ monitor Remove tree? Y N Replace tree? Y N Move target:? Y N Other: _____ ☒ no action required at this time

Effect on adjacent trees: ☒ none ☐ evaluate Notification: ☒ owner ☐ manager ☒ governing agency Date: See Tree Report

ADDITIONAL COMMENTS

FIELD EVALUATION FORM

Owner: _____ ☐ public ☒ private ☐ unknown ☐ other: _____

Site/Address: _____ Thomas Guide: Page: ____ Coordinate: ____

Date: 05/26/2015 Inspector: TJ Date of last inspection: _____ ☐ not previously inspected

TREE CHARACTERISTICS

Tree #: 27 Species: ☒ *Quercus agrifolia* ☐ *Quercus lobata* ☐ other _____

# of trunks: 3 dbH (inches): 14, 12, 15 Height (feet): 40

Compass direction	N	NE	E	SE	S	SW	W	NW
Dripline (feet)	18	15	17	11	21	10	14	15
Clearance to canopy (feet)	20	20	40	10	8	8	12	10

Form: ☒ generally symmetric ☐ minor asymmetry ☐ major asymmetry ☐ stump sprout ☐ stag-headed

Crown class: ☐ dominant ☒ co-dominant ☐ intermediate ☐ suppressed

Age class: ☐ young ☐ semi-mature ☒ mature ☐ over-mature/senescent Live crown ratio (conifers only): _____%

Pruning history: ☐ crown cleaned ☐ excessively thinned ☐ topped ☐ crown raised ☐ pollarded ☐ crown reduced ☐ flush cuts ☐ cabled/braced ☒ none ☐ multiple pruning events Approximate dates: _____ ☐ unknown

Special Value: ☐ specimen ☐ heritage/historic ☒ wildlife ☐ unusual ☐ street tree ☒ screen ☒ shade ☒ indigenous ☒ protected by government agency

TREE HEALTH

Foliage color: ☒ normal ☐ chlorotic ☐ necrotic

Epicormics? Y N Twig Dieback? Y N

Foliage density: ☒ normal ☐ sparse

Leaf size: ☒ normal ☐ small

Annual shoot growth: ☐ excellent ☒ average ☐ poor

Woundwood development: ☐ excellent ☒ average ☐ poor ☐ none

Vigor class: ☐ excellent ☒ average ☐ fair ☐ poor

Growth obstructions: ☐ stakes ☐ wire/ties ☐ signs ☐ cables ☐ curb/pavement ☐ guards ☐ other _____

Major pests/diseases: _____

SITE CONDITIONS

Site character: ☒ residence ☐ commercial ☐ industrial ☐ park ☒ open space ☒ natural ☒ woodland/forest

Landscape type: ☐ parkway ☐ raised bed ☐ container ☐ mound ☐ lawn ☒ shrub border ☐ wind break

Irrigation: ☒ none ☐ adequate ☐ inadequate ☐ excessive ☐ trunk wetted Pavement lifted? Y N

Recent site disturbance? Y N ☐ construction ☐ soil disturbance ☐ grade change ☐ line clearing ☐ site clearing

% dripline paved:	0%	10-25%	25-50%	50-75%	75-100%
% dripline w/fill soil:	0%	10-25%	25-50%	50-75%	75-100%
% dripline grade lowered:	0%	10-25%	25-50%	50-75%	75-100%

Soil problems: ☐ drainage ☐ shallow ☐ compacted ☐ droughty ☐ saline ☐ alkaline ☐ acidic ☐ small volume ☐ disease center ☐ history of failure ☐ clay ☐ expansive ☐ slope _____° aspect _____

Obstructions: ☐ lights ☐ signage ☐ line-of-sight ☐ view ☐ overhead lines ☐ underground utilities ☐ traffic ☐ adjacent vegetation ☐ other _____

Exposure to wind: ☐ single tree ☒ below canopy ☐ above canopy ☐ recently exposed ☐ windward, canopy edge ☐ area prone to windthrow

Prevailing wind direction: _____ Occurrence of snow/ice storms: ☒ never ☐ seldom ☐ regularly

FIELD EVALUATION FORM - PAGE 2 OF 2

Tree Number 27

TARGET

Use Under Tree: ☐ building ☐ parking ☐ traffic ☐ pedestrian ☐ recreation ☐ landscape ☐ hardscape ☐ small features ☐ utility lines **Can target be moved?** Y N **Can use be restricted?** Y N

Occupancy: ☐ occasional use ☐ intermittent use ☐ frequent use ☐ constant use

TREE DEFECTS - Noted as applicable

ROOT DEFECTS: **Suspect root rot?** Y N **Mushroom/conk present?** Y N **ID:** _____

Exposed roots: ☐ severe ☐ moderate ☐ low **Undermined:** ☐ severe ☐ moderate ☐ low

Root pruned: _____ feet from trunk **Root area affected:** _____% **Buttress wounded?** Y N **When:** _____

Restricted root area: ☐ severe ☐ moderate ☐ low **Potential for root failure:** ☐ severe ☐ moderate ☐ low

LEAN: _____ degrees from vertical ☐ natural ☐ unnatural ☐ self-corrected **Soil heaving?** Y N

Decay in plane of lean? Y N **Roots broken?** Y N **Soil cracking?** Y N **Lean severity:** ☐ severe ☐ moderate ☐ low

Compounding factors: _____

CROWN DEFECTS: S = severe, M = moderate, L = low

DEFECT	ROOT CROWN	TRUNK	SCAFFOLDS	BRANCHES
Poor taper				
Bow, sweep				
Co-dominants, forks				
Multiple attachments				
Included bark				
Excessive end weight				
Cracks/splits				
Hangers				
Girdling				
Wounds/seam				
Decay		M (1)		
Cavity				
Conks/mushrooms				
Bleeding/sap flow		M (1)		
Loose/cracked bark				
Nesting hole/bee hive				
Deadwood/stubs				
Borers/termites/ants				
Cankers/galls/burls				
Previous failure				

RECOMMENDED TREATMENT

Prune: ☐ remove defective part ☐ reduce end weight ☐ crown clean ☐ thin ☐ raise canopy ☐ crown reduce ☐ restructure ☐ shape

Pest control: _____ **Cable/Brace:** _____

Other Activities: ☐ aerate soil ☐ remove fill soil ☐ remove irrigation/planting ☐ remove wire, etc. ☐ fertilize/water

Inspect further: ☐ root crown ☐ decay ☐ aerial ☐ monitor **Remove tree?** Y N **Replace tree?** Y N **Move target:?** Y N **Other:** _____ ☐ no action required at this time

Effect on adjacent trees: ☐ none ☐ evaluate **Notification:** ☐ owner ☐ manager ☐ governing agency Date: See Tree Report

ADDITIONAL COMMENTS

FIELD EVALUATION FORM

Owner: _____ ☐ public ☒ private ☐ unknown ☐ other: _____

Site/Address: _____ Thomas Guide: Page: ____ Coordinate: ____

Date: 05/22/2015 Inspector: TJ Date of last inspection: _____ ☐ not previously inspected

TREE CHARACTERISTICS

Tree #: 28 Species: ☒ *Quercus agrifolia* ☐ *Quercus lobata* ☐ other _____

# of trunks: 1 dbH (inches): 22 Height (feet): 55

Compass direction	N	NE	E	SE	S	SW	W	NW
Dripline (feet)	14	20	28	8	8	15	18	0
Clearance to canopy (feet)	15	40	30	8	50	30	30	0

Form: ☐ generally symmetric ☒ minor asymmetry ☐ major asymmetry ☐ stump sprout ☐ stag-headed

Crown class: ☐ dominant ☒ co-dominant ☐ intermediate ☐ suppressed

Age class: ☐ young ☐ semi-mature ☒ mature ☐ over-mature/senescent Live crown ratio (conifers only): _____%

Pruning history: ☐ crown cleaned ☐ excessively thinned ☐ topped ☐ crown raised ☐ pollarded ☐ crown reduced ☒ flush cuts ☐ cabled/braced ☐ none ☐ multiple pruning events Approximate dates: _____ ☒ unknown

Special Value: ☐ specimen ☐ heritage/historic ☒ wildlife ☐ unusual ☐ street tree ☒ screen ☒ shade ☒ indigenous ☒ protected by government agency

TREE HEALTH

Foliage color: ☒ normal ☐ chlorotic ☐ necrotic

Epicormics? Y N Twig Dieback? Y N

Foliage density: ☒ normal ☐ sparse

Leaf size: ☒ normal ☐ small

Annual shoot growth: ☐ excellent ☒ average ☐ poor

Woundwood development: ☐ excellent ☒ average ☐ poor ☐ none

Vigor class: ☐ excellent ☒ average ☐ fair ☐ poor

Growth obstructions: ☐ stakes ☐ wire/ties ☐ signs ☐ cables ☐ curb/pavement ☐ guards ☐ other _____

Major pests/diseases: _____

SITE CONDITIONS

Site character: ☒ residence ☐ commercial ☐ industrial ☐ park ☒ open space ☒ natural ☒ woodland/forest

Landscape type: ☐ parkway ☐ raised bed ☐ container ☐ mound ☐ lawn ☒ shrub border ☐ wind break

Irrigation: ☒ none ☐ adequate ☐ inadequate ☐ excessive ☐ trunk wetted Pavement lifted? Y N

Recent site disturbance? Y N ☐ construction ☐ soil disturbance ☐ grade change ☐ line clearing ☐ site clearing

% dripline paved:	0%	10-25%	25-50%	50-75%	75-100%
% dripline w/fill soil:	0%	10-25%	25-50%	50-75%	75-100%
% dripline grade lowered:	0%	10-25%	25-50%	50-75%	75-100%

Soil problems: ☐ drainage ☐ shallow ☐ compacted ☐ droughty ☐ saline ☐ alkaline ☐ acidic ☐ small volume ☐ disease center ☐ history of failure ☐ clay ☐ expansive ☐ slope _____° aspect _____

Obstructions: ☐ lights ☐ signage ☐ line-of-sight ☐ view ☐ overhead lines ☐ underground utilities ☐ traffic ☐ adjacent vegetation ☐ other _____

Exposure to wind: ☐ single tree ☒ below canopy ☐ above canopy ☐ recently exposed ☐ windward, canopy edge ☐ area prone to windthrow

Prevailing wind direction: _____ Occurrence of snow/ice storms: ☒ never ☐ seldom ☐ regularly

FIELD EVALUATION FORM - PAGE 2 OF 2 Tree Number 28

TARGET

Use Under Tree: ☐ building ☐ parking ☐ traffic ☐ pedestrian ☐ recreation ☒ landscape ☐ hardscape ☐ small features ☐ utility lines **Can target be moved?** Y N **Can use be restricted?** Y N

Occupancy: ☒ occasional use ☐ intermittent use ☐ frequent use ☐ constant use

TREE DEFECTS - Noted as applicable

ROOT DEFECTS: **Suspect root rot?** Y N **Mushroom/conk present?** Y N **ID:** _____

Exposed roots: ☐ severe ☐ moderate ☐ low **Undermined:** ☐ severe ☐ moderate ☐ low

Root pruned: _____ feet from trunk **Root area affected:** _____% **Buttress wounded?** Y N **When:** _____

Restricted root area: ☐ severe ☐ moderate ☐ low **Potential for root failure:** ☐ severe ☐ moderate ☐ low

LEAN: _____ degrees from vertical ☐ natural ☐ unnatural ☐ self-corrected **Soil heaving?** Y N

Decay in plane of lean? Y N **Roots broken?** Y N **Soil cracking?** Y N **Lean severity:** ☐ severe ☐ moderate ☐ low

Compounding factors: _____

CROWN DEFECTS: S = severe, M = moderate, L = low

DEFECT	ROOT CROWN	TRUNK	SCAFFOLDS	BRANCHES
Poor taper				
Bow, sweep				
Co-dominants, forks				
Multiple attachments				
Included bark				
Excessive end weight				
Cracks/splits				
Hangers				
Girdling				
Wounds/seam				
Decay				
Cavity				
Conks/mushrooms				
Bleeding/sap flow				
Loose/cracked bark				
Nesting hole/bee hive				
Deadwood/stubs				
Borers/termites/ants				
Cankers/gails/burls				
Previous failure		S (1 trunk)		

RECOMMENDED TREATMENT

Prune: ☐ remove defective part ☐ reduce end weight ☐ crown clean ☐ thin ☐ raise canopy ☐ crown reduce ☐ restructure ☐ shape

Pest control: _____ **Cable/Brace:** _____

Other Activities: ☐ aerate soil ☐ remove fill soil ☐ remove irrigation/planting ☐ remove wire, etc. ☐ fertilize/water

Inspect further: ☐ root crown ☐ decay ☐ aerial ☐ monitor **Remove tree?** Y N **Replace tree?** Y N **Move target:?** Y N **Other:** _____ ☒ no action required at this time

Effect on adjacent trees: ☒ none ☐ evaluate **Notification:** ☒ owner ☐ manager ☒ governing agency Date: See Tree Report

ADDITIONAL COMMENTS

FIELD EVALUATION FORM

Owner: _____ ☐ public ☒ private ☐ unknown ☐ other: _____

Site/Address: _____ Thomas Guide: Page: ____ Coordinate: ____

Date: 05/28/2015 Inspector: TJ Date of last inspection: _____ ☐ not previously inspected

TREE CHARACTERISTICS

Tree #: 29 Species: ☒ *Quercus agrifolia* ☐ *Quercus lobata* ☐ other _____

# of trunks: 1 dbH (inches): 24 Height (feet): 60

Compass direction	N	NE	E	SE	S	SW	W	NW
Dripline (feet)	21	24	25	27	21	23	16	27
Clearance to canopy (feet)	60	50	40	50	40	40	8	30

Form: ☒ generally symmetric ☐ minor asymmetry ☐ major asymmetry ☐ stump sprout ☐ stag-headed

Crown class: ☐ dominant ☒ co-dominant ☐ intermediate ☐ suppressed

Age class: ☐ young ☐ semi-mature ☒ mature ☐ over-mature/senescent Live crown ratio (conifers only): _____%

Pruning history: ☐ crown cleaned ☐ excessively thinned ☐ topped ☐ crown raised ☐ pollarded ☐ crown reduced ☐ flush cuts ☐ cabled/braced ☒ none ☐ multiple pruning events Approximate dates: _____ ☐ unknown

Special Value: ☒ specimen ☒ heritage/historic ☒ wildlife ☐ unusual ☐ street tree ☒ screen ☒ shade ☒ indigenous ☒ protected by government agency

TREE HEALTH

Foliage color: ☒ normal ☐ chlorotic ☐ necrotic

Epicormics? Y N Twig Dieback? Y N

Foliage density: ☒ normal ☐ sparse

Leaf size: ☒ normal ☐ small

Annual shoot growth: ☐ excellent ☒ average ☐ poor

Woundwood development: ☐ excellent ☒ average ☐ poor ☐ none

Vigor class: ☐ excellent ☒ average ☐ fair ☐ poor

Growth obstructions: ☐ stakes ☐ wire/ties ☐ signs ☐ cables ☐ curb/pavement ☐ guards ☐ other _____

Major pests/diseases: _____

SITE CONDITIONS

Site character: ☒ residence ☐ commercial ☐ industrial ☐ park ☒ open space ☒ natural ☒ woodland/forest

Landscape type: ☐ parkway ☐ raised bed ☐ container ☐ mound ☐ lawn ☒ shrub border ☐ wind break

Irrigation: ☒ none ☐ adequate ☐ inadequate ☐ excessive ☐ trunk wetted Pavement lifted? Y N

Recent site disturbance? Y N ☐ construction ☐ soil disturbance ☐ grade change ☐ line clearing ☐ site clearing

% dripline paved: 0% 10-25% 25-50% 50-75% 75-100%

% dripline w/fill soil: 0% 10-25% 25-50% 50-75% 75-100%

% dripline grade lowered: 0% 10-25% 25-50% 50-75% 75-100%

Soil problems: ☐ drainage ☐ shallow ☐ compacted ☐ droughty ☐ saline ☐ alkaline ☐ acidic ☐ small volume ☐ disease center ☐ history of failure ☐ clay ☐ expansive ☐ slope _____° aspect _____

Obstructions: ☐ lights ☐ signage ☐ line-of-sight ☐ view ☐ overhead lines ☐ underground utilities ☐ traffic ☐ adjacent vegetation ☐ other _____

Exposure to wind: ☐ single tree ☐ below canopy ☒ above canopy ☐ recently exposed ☐ windward, canopy edge ☐ area prone to windthrow

Prevailing wind direction: _____ Occurrence of snow/ice storms: ☒ never ☐ seldom ☐ regularly

FIELD EVALUATION FORM - PAGE 2 OF 2

Tree Number 29

TARGET

Use Under Tree: ☐ building ☐ parking ☐ traffic ☐ pedestrian ☐ recreation ☒ landscape ☐ hardscape ☐ small features ☐ utility lines Can target be moved? Y N Can use be restricted? Y N

Occupancy: ☒ occasional use ☐ intermittent use ☐ frequent use ☐ constant use

TREE DEFECTS - Noted as applicable

ROOT DEFECTS: Suspect root rot? Y N Mushroom/conk present? Y N ID: _____

Exposed roots: ☐ severe ☐ moderate ☐ low Undermined: ☐ severe ☐ moderate ☐ low

Root pruned: _____ feet from trunk Root area affected: _____% Buttress wounded? Y N When: _____

Restricted root area: ☐ severe ☐ moderate ☐ low Potential for root failure: ☐ severe ☐ moderate ☐ low

LEAN: _____ degrees from vertical ☐ natural ☐ unnatural ☐ self-corrected Soil heaving? Y N

Decay in plane of lean? Y N Roots broken? Y N Soil cracking? Y N Lean severity: ☐ severe ☐ moderate ☐ low

Compounding factors: _____

CROWN DEFECTS: S = severe, M = moderate, L = low

DEFECT	ROOT CROWN	TRUNK	SCAFFOLDS	BRANCHES
Poor taper				
Bow, sweep				
Co-dominants, forks				
Multiple attachments				
Included bark				
Excessive end weight				
Cracks/splits				
Hangers				
Girdling				
Wounds/seam				
Decay				
Cavity				
Conks/mushrooms				
Bleeding/sap flow				
Loose/cracked bark				
Nesting hole/bee hive				
Deadwood/stubs				
Borers/termites/ants				
Cankers/galls/burls				
Previous failure				

RECOMMENDED TREATMENT

Prune: ☐ remove defective part ☐ reduce end weight ☐ crown clean ☐ thin ☐ raise canopy ☐ crown reduce ☐ restructure ☐ shape

Pest control: _____ Cable/Brace: _____

Other Activities: ☐ aerate soil ☐ remove fill soil ☐ remove irrigation/planting ☐ remove wire, etc. ☐ fertilize/water

Inspect further: ☐ root crown ☐ decay ☐ aerial ☐ monitor Remove tree? Y N Replace tree? Y N Move target:? Y N Other: _____ ☒ no action required at this time

Effect on adjacent trees: ☒ none ☐ evaluate Notification: ☒ owner ☐ manager ☒ governing agency Date: See Tree Report

ADDITIONAL COMMENTS

FIELD EVALUATION FORM

Owner: _____ ☐ public ☒ private ☐ unknown ☐ other: _____

Site/Address: _____ Thomas Guide: Page: ____ Coordinate: ____

Date: 05/26/2015 Inspector: TJ Date of last inspection: _____ ☐ not previously inspected

TREE CHARACTERISTICS

Tree #: 3 Species: ☒ *Quercus agrifolia* ☐ *Quercus lobata* ☐ other _____

# of trunks: 1 dbH (inches): 31 Height (feet): 40

Compass direction	N	NE	E	SE	S	SW	W	NW
Dripline (feet)	23	8	7	14	16	13	21	19
Clearance to canopy (feet)	25	20	20	30	15	12	20	12

Form: ☒ generally symmetric ☐ minor asymmetry ☐ major asymmetry ☐ stump sprout ☐ stag-headed

Crown class: ☒ dominant ☐ co-dominant ☐ intermediate ☐ suppressed

Age class: ☐ young ☐ semi-mature ☒ mature ☐ over-mature/senescent Live crown ratio (conifers only): _____%

Pruning history: ☐ crown cleaned ☐ excessively thinned ☐ topped ☐ crown raised ☐ pollarded ☐ crown reduced ☐ flush cuts ☐ cabled/braced ☐ none ☐ multiple pruning events Approximate dates: _____ ☐ unknown

Special Value: ☒ specimen ☒ heritage/historic ☒ wildlife ☐ unusual ☐ street tree ☒ screen ☒ shade ☒ indigenous ☒ protected by government agency

TREE HEALTH

Foliage color: ☒ normal ☐ chlorotic ☐ necrotic

Epicormics? Y (N) Twig Dieback? Y (N)

Foliage density: ☒ normal ☐ sparse

Leaf size: ☒ normal ☐ small

Annual shoot growth: ☐ excellent ☒ average ☐ poor

Major pests/diseases: _____

Woundwood development: ☐ excellent ☒ average ☐ poor ☐ none

Vigor class: ☐ excellent ☒ average ☐ fair ☐ poor

Growth obstructions: ☐ stakes ☐ wire/ties ☐ signs ☐ cables ☐ curb/pavement ☐ guards ☐ other _____

SITE CONDITIONS

Site character: ☐ residence ☐ commercial ☐ industrial ☐ park ☒ open space ☒ natural ☒ woodland/forest

Landscape type: ☐ parkway ☐ raised bed ☐ container ☐ mound ☐ lawn ☒ shrub border ☐ wind break

Irrigation: ☒ none ☐ adequate ☐ inadequate ☐ excessive ☐ trunk wetted Pavement lifted? Y (N)

Recent site disturbance? Y (N) ☐ construction ☐ soil disturbance ☐ grade change ☐ line clearing ☐ site clearing

% dripline paved:	0%	10-25%	25-50%	50-75%	75-100%
% dripline w/fill soil:	0%	10-25%	25-50%	50-75%	75-100%
% dripline grade lowered:	0%	10-25%	25-50%	50-75%	75-100%

Soil problems: ☐ drainage ☐ shallow ☐ compacted ☐ droughty ☐ saline ☐ alkaline ☐ acidic ☐ small volume ☐ disease center ☐ history of failure ☐ clay ☐ expansive ☐ slope _____° aspect _____

Obstructions: ☐ lights ☐ signage ☐ line-of-sight ☐ view ☐ overhead lines ☐ underground utilities ☐ traffic ☐ adjacent vegetation ☐ other _____

Exposure to wind: ☐ single tree ☒ below canopy ☐ above canopy ☐ recently exposed ☐ windward, canopy edge ☐ area prone to windthrow

Prevailing wind direction: _____ Occurrence of snow/ice storms: ☒ never ☐ seldom ☐ regularly

FIELD EVALUATION FORM - PAGE 2 OF 2 Tree Number 31

TARGET

Use Under Tree: ☐ building ☐ parking ☐ traffic ☐ pedestrian ☐ recreation ☑ landscape ☐ hardscape ☐ small features ☐ utility lines **Can target be moved?** Y N **Can use be restricted?** Y N

Occupancy: ☑ occasional use ☐ intermittent use ☐ frequent use ☐ constant use

TREE DEFECTS - Noted as applicable

ROOT DEFECTS: **Suspect root rot?** Y N **Mushroom/conk present?** Y N **ID:** _____

Exposed roots: ☐ severe ☐ moderate ☐ low **Undermined:** ☐ severe ☐ moderate ☐ low

Root pruned: _____ feet from trunk **Root area affected:** _____% **Buttress wounded?** Y N **When:** _____

Restricted root area: ☐ severe ☐ moderate ☐ low **Potential for root failure:** ☐ severe ☐ moderate ☐ low

LEAN: _____ degrees from vertical ☐ natural ☐ unnatural ☐ self-corrected **Soil heaving?** Y N

Decay in plane of lean? Y N **Roots broken?** Y N **Soil cracking?** Y N **Lean severity:** ☐ severe ☐ moderate ☐ low

Compounding factors: _____

CROWN DEFECTS: S = severe, M = moderate, L = low

DEFECT	ROOT CROWN	TRUNK	SCAFFOLDS	BRANCHES
Poor taper				
Bow, sweep				
Co-dominants, forks				
Multiple attachments				
Included bark				
Excessive end weight				
Cracks/splits				
Hangers				
Girdling				
Wounds/seam				
Decay				
Cavity				
Conks/mushrooms				
Bleeding/sap flow				
Loose/cracked bark				
Nesting hole/bee hive				
Deadwood/stubs			M	M
Borers/termites/ants			M	
Cankers/galls/burls				
Previous failure			S	

RECOMMENDED TREATMENT

Prune: ☐ remove defective part ☐ reduce end weight ☐ crown clean ☐ thin ☐ raise canopy ☐ crown reduce ☐ restructure ☐ shape

Pest control: _____ **Cable/Brace:** _____

Other Activities: ☐ aerate soil ☐ remove fill soil ☐ remove irrigation/planting ☐ remove wire, etc. ☐ fertilize/water

Inspect further: ☐ root crown ☐ decay ☐ aerial ☐ monitor **Remove tree?** Y N **Replace tree?** Y N **Move target:?** Y N **Other:** _____ ☑ no action required at this time

Effect on adjacent trees: ☑ none ☐ evaluate **Notification:** ☑ owner ☐ manager ☑ governing agency **Date:** See Tree Report

ADDITIONAL COMMENTS

FIELD EVALUATION FORM

Owner: _____ ☐ public ☒ private ☐ unknown ☐ other: _____

Site/Address: _____ Thomas Guide: Page: ____ Coordinate: ____

Date: 03/26/2015 Inspector: TJ Date of last inspection: _____ ☐ not previously inspected

TREE CHARACTERISTICS

Tree #: 32 Species: ☒ *Quercus agrifolia* ☐ *Quercus lobata* ☐ other _____

# of trunks: 1 dbH (inches): 19 @ 3' Height (feet): 35

Compass direction	N	NE	E	SE	S	SW	W	NW
Dripline (feet)	11	10	11	10	9	16	18	14
Clearance to canopy (feet)	8	15	15	4	15	10	8	6

Form: ☒ generally symmetric ☐ minor asymmetry ☐ major asymmetry ☐ stump sprout ☐ stag-headed

Crown class: ☐ dominant ☒ co-dominant ☐ intermediate ☐ suppressed

Age class: ☐ young ☐ semi-mature ☒ mature ☐ over-mature/senescent Live crown ratio (conifers only): _____%

Pruning history: ☐ crown cleaned ☐ excessively thinned ☐ topped ☐ crown raised ☐ pollarded ☐ crown reduced ☐ flush cuts ☐ cabled/braced ☒ none ☐ multiple pruning events Approximate dates: _____ ☐ unknown

Special Value: ☐ specimen ☐ heritage/historic ☒ wildlife ☐ unusual ☐ street tree ☒ screen ☒ shade ☒ indigenous ☒ protected by government agency

TREE HEALTH

Foliage color: ☒ normal ☐ chlorotic ☐ necrotic

Epicormics? Y (N) Twig Dieback? Y (N)

Foliage density: ☒ normal ☐ sparse

Leaf size: ☒ normal ☐ small

Annual shoot growth: ☐ excellent ☒ average ☐ poor

Woundwood development: ☐ excellent ☒ average ☐ poor ☐ none

Vigor class: ☐ excellent ☒ average ☐ fair ☐ poor

Growth obstructions: ☐ stakes ☐ wire/ties ☐ signs ☐ cables ☐ curb/pavement ☐ guards ☐ other _____

Major pests/diseases: _____

SITE CONDITIONS

Site character: ☒ residence ☐ commercial ☐ industrial ☐ park ☒ open space ☒ natural ☒ woodland/forest

Landscape type: ☐ parkway ☐ raised bed ☐ container ☐ mound ☐ lawn ☒ shrub border ☐ wind break

Irrigation: ☒ none ☐ adequate ☐ inadequate ☐ excessive ☐ trunk wetted Pavement lifted? Y (N)

Recent site disturbance? Y (N) ☐ construction ☐ soil disturbance ☐ grade change ☐ line clearing ☐ site clearing

% dripline paved:	0%	10-25%	25-50%	50-75%	75-100%
% dripline w/fill soil:	0%	10-25%	25-50%	50-75%	75-100%
% dripline grade lowered:	0%	10-25%	25-50%	50-75%	75-100%

Soil problems: ☐ drainage ☐ shallow ☐ compacted ☐ droughty ☐ saline ☐ alkaline ☐ acidic ☐ small volume ☐ disease center ☐ history of failure ☐ clay ☐ expansive ☐ slope _____° aspect _____

Obstructions: ☐ lights ☐ signage ☐ line-of-sight ☐ view ☐ overhead lines ☐ underground utilities ☐ traffic ☐ adjacent vegetation ☐ other _____

Exposure to wind: ☐ single tree ☒ below canopy ☐ above canopy ☐ recently exposed ☐ windward, canopy edge ☐ area prone to windthrow

Prevailing wind direction: _____ Occurrence of snow/ice storms: ☒ never ☐ seldom ☐ regularly

FIELD EVALUATION FORM - PAGE 2 OF 2

Tree Number 32

TARGET

Use Under Tree: ☐ building ☐ parking ☐ traffic ☐ pedestrian ☐ recreation ☒ landscape ☐ hardscape ☐ small features ☐ utility lines Can target be moved? Y N Can use be restricted? Y N

Occupancy: ☒ occasional use ☐ intermittent use ☐ frequent use ☐ constant use

TREE DEFECTS - Noted as applicable

ROOT DEFECTS: Suspect root rot? Y N Mushroom/conk present? Y N ID: _____

Exposed roots: ☐ severe ☐ moderate ☐ low Undermined: ☐ severe ☐ moderate ☐ low

Root pruned: _____ feet from trunk Root area affected: _____% Buttress wounded? Y N When: _____

Restricted root area: ☐ severe ☐ moderate ☐ low Potential for root failure: ☐ severe ☐ moderate ☐ low

LEAN: _____ degrees from vertical ☐ natural ☐ unnatural ☐ self-corrected Soil heaving? Y N

Decay in plane of lean? Y N Roots broken? Y N Soil cracking? Y N Lean severity: ☐ severe ☐ moderate ☐ low

Compounding factors: _____

CROWN DEFECTS: S = severe, M = moderate, L = low

DEFECT	ROOT CROWN	TRUNK	SCAFFOLDS	BRANCHES
Poor taper				
Bow, sweep				
Co-dominants, forks			M	
Multiple attachments			M	
Included bark			M	
Excessive end weight				
Cracks/splits				
Hangers				
Girdling				
Wounds/seam				
Decay				
Cavity				
Conks/mushrooms				
Bleeding/sap flow				
Loose/cracked bark				
Nesting hole/bee hive				
Deadwood/stubs				
Borers/termites/ants				
Cankers/galls/burls				
Previous failure				

RECOMMENDED TREATMENT

Prune: ☐ remove defective part ☐ reduce end weight ☐ crown clean ☐ thin ☐ raise canopy ☐ crown reduce ☐ restructure ☐ shape

Pest control: _____ Cable/Brace: _____

Other Activities: ☐ aerate soil ☐ remove fill soil ☐ remove irrigation/planting ☐ remove wire, etc. ☐ fertilize/water

Inspect further: ☐ root crown ☐ decay ☐ aerial ☐ monitor Remove tree? Y N Replace tree? Y N Move target? Y N Other: _____ ☒ no action required at this time

Effect on adjacent trees: ☒ none ☐ evaluate Notification: ☒ owner ☐ manager ☒ governing agency Date: See Tree Report

ADDITIONAL COMMENTS

FIELD EVALUATION FORM

Owner: _____ ☐ public ☒ private ☐ unknown ☐ other: _____

Site/Address: _____ Thomas Guide: Page: ____ Coordinate: ____

Date: 05/26/2015 Inspector: TJ Date of last inspection: _____ ☐ not previously inspected

TREE CHARACTERISTICS

Tree #: 33 Species: ☒ *Quercus agrifolia* ☐ *Quercus lobata* ☐ other _____

# of trunks: 1 dbH (inches): 13 Height (feet): 30

Compass direction	N	NE	E	SE	S	SW	W	NW
Dripline (feet)	14	7	10	13	14	15	15	17
Clearance to canopy (feet)	7	10	12	12	9	6	1	8

Form: ☒ generally symmetric ☐ minor asymmetry ☐ major asymmetry ☐ stump sprout ☐ stag-headed

Crown class: ☐ dominant ☒ co-dominant ☐ intermediate ☐ suppressed

Age class: ☐ young ☐ semi-mature ☒ mature ☐ over-mature/senescent Live crown ratio (conifers only): _____%

Pruning history: ☐ crown cleaned ☐ excessively thinned ☐ topped ☐ crown raised ☐ pollarded ☐ crown reduced ☐ flush cuts ☐ cabled/braced ☒ none ☐ multiple pruning events Approximate dates: _____ ☐ unknown

Special Value: ☐ specimen ☐ heritage/historic ☒ wildlife ☐ unusual ☐ street tree ☒ screen ☒ shade ☒ indigenous ☒ protected by government agency

TREE HEALTH

Foliage color: ☒ normal ☐ chlorotic ☐ necrotic

Epicormics? Y N Twig Dieback? Y N

Foliage density: ☒ normal ☐ sparse

Leaf size: ☒ normal ☐ small

Annual shoot growth: ☐ excellent ☒ average ☐ poor

Woundwood development: ☐ excellent ☒ average ☐ poor ☐ none

Vigor class: ☐ excellent ☒ average ☐ fair ☐ poor

Growth obstructions: ☐ stakes ☐ wire/ties ☐ signs ☐ cables ☐ curb/pavement ☐ guards ☐ other _____

Major pests/diseases: _____

SITE CONDITIONS

Site character: ☒ residence ☐ commercial ☐ industrial ☐ park ☒ open space ☒ natural ☐ woodland/forest

Landscape type: ☐ parkway ☐ raised bed ☐ container ☐ mound ☐ lawn ☒ shrub border ☐ wind break

Irrigation: ☒ none ☐ adequate ☐ inadequate ☐ excessive ☐ trunk wetted Pavement lifted? Y N

Recent site disturbance? Y N ☐ construction ☐ soil disturbance ☐ grade change ☐ line clearing ☐ site clearing

% dripline paved: 0% 10-25% 25-50% 50-75% 75-100%

% dripline w/fill soil: 0% 10-25% 25-50% 50-75% 75-100%

% dripline grade lowered: 0% 10-25% 25-50% 50-75% 75-100%

Soil problems: ☐ drainage ☐ shallow ☐ compacted ☐ droughty ☐ saline ☐ alkaline ☐ acidic ☐ small volume ☐ disease center ☐ history of failure ☐ clay ☐ expansive ☐ slope _____° aspect _____

Obstructions: ☐ lights ☐ signage ☐ line-of-sight ☐ view ☐ overhead lines ☐ underground utilities ☐ traffic ☐ adjacent vegetation ☐ other _____

Exposure to wind: ☐ single tree ☐ below canopy ☐ above canopy ☐ recently exposed ☐ windward, canopy edge ☐ area prone to windthrow

Prevailing wind direction: _____ Occurrence of snow/ice storms: ☒ never ☐ seldom ☐ regularly

FIELD EVALUATION FORM - PAGE 2 OF 2

Tree Number 33

TARGET

Use Under Tree: ☐ building ☐ parking ☐ traffic ☐ pedestrian ☐ recreation ☒ landscape ☐ hardscape ☐ small features ☐ utility lines **Can target be moved?** Y N **Can use be restricted?** Y N

Occupancy: ☒ occasional use ☐ intermittent use ☐ frequent use ☐ constant use

TREE DEFECTS - Noted as applicable

ROOT DEFECTS: **Suspect root rot?** Y N **Mushroom/conk present?** Y N **ID:** _____

Exposed roots: ☐ severe ☐ moderate ☐ low **Undermined:** ☐ severe ☐ moderate ☐ low

Root pruned: _____ feet from trunk **Root area affected:** _____% **Buttress wounded?** Y N **When:** _____

Restricted root area: ☐ severe ☐ moderate ☐ low **Potential for root failure:** ☐ severe ☐ moderate ☐ low

LEAN: _____ degrees from vertical ☐ natural ☐ unnatural ☐ self-corrected **Soil heaving?** Y N

Decay in plane of lean? Y N **Roots broken?** Y N **Soil cracking?** Y N **Lean severity:** ☐ severe ☐ moderate ☐ low

Compounding factors: _____

CROWN DEFECTS: S = severe, M = moderate, L = low

DEFECT	ROOT CROWN	TRUNK	SCAFFOLDS	BRANCHES
Poor taper				
Bow, sweep				
Co-dominants, forks				
Multiple attachments			L	
Included bark				
Excessive end weight				
Cracks/splits				
Hangers				
Girdling				
Wounds/seam				
Decay				
Cavity				
Conks/mushrooms				
Bleeding/sap flow				
Loose/cracked bark				
Nesting hole/bee hive				
Deadwood/stubs				
Borers/termites/ants				
Cankers/galls/burls				
Previous failure				

RECOMMENDED TREATMENT

Prune: ☐ remove defective part ☐ reduce end weight ☐ crown clean ☐ thin ☐ raise canopy ☐ crown reduce ☐ restructure ☐ shape

Pest control: _____ **Cable/Brace:** _____

Other Activities: ☐ aerate soil ☐ remove fill soil ☐ remove irrigation/planting ☐ remove wire, etc. ☐ fertilize/water

Inspect further: ☐ root crown ☐ decay ☐ aerial ☐ monitor **Remove tree?** Y N **Replace tree?** Y N **Move target:?** Y N **Other:** _____ ☒ no action required at this time

Effect on adjacent trees: ☒ none ☐ evaluate **Notification:** ☒ owner ☐ manager ☒ governing agency Date: See Tree Report

ADDITIONAL COMMENTS

FIELD EVALUATION FORM

Owner: _____ ☐ public ☒ private ☐ unknown ☐ other: _____

Site/Address: _____ Thomas Guide: Page: ____ Coordinate: ____

Date: 05/24/2015 Inspector: TJ Date of last Inspection: _____ ☐ not previously inspected

TREE CHARACTERISTICS

Tree #: 34 Species: ☒ *Quercus agrifolia* ☐ *Quercus lobata* ☐ other _____

# of trunks: 1 dbH (inches): 20 Height (feet): 45

Compass direction	N	NE	E	SE	S	SW	W	NW
Dripline (feet)	16	17	13	11	19	21	17	14
Clearance to canopy (feet)	40	8	20	20	25	20	15	8

Form: ☒ generally symmetric ☐ minor asymmetry ☐ major asymmetry ☐ stump sprout ☐ stag-headed

Crown class: ☐ dominant ☒ co-dominant ☐ intermediate ☐ suppressed

Age class: ☐ young ☐ semi-mature ☒ mature ☐ over-mature/senescent Live crown ratio (conifers only): _____%

Pruning history: ☐ crown cleaned ☐ excessively thinned ☐ topped ☐ crown raised ☐ pollarded ☐ crown reduced ☐ flush cuts ☐ cabled/braced ☒ none ☐ multiple pruning events Approximate dates: _____ ☐ unknown

Special Value: ☒ specimen ☐ heritage/historic ☒ wildlife ☐ unusual ☐ street tree ☒ screen ☒ shade ☒ indigenous ☒ protected by government agency

TREE HEALTH

Foliage color: ☒ normal ☐ chlorotic ☐ necrotic

Epicormics? Y N Twig Dieback? Y N

Foliage density: ☒ normal ☐ sparse

Leaf size: ☒ normal ☐ small

Annual shoot growth: ☐ excellent ☒ average ☐ poor

Woundwood development: ☐ excellent ☒ average ☐ poor ☐ none

Vigor class: ☐ excellent ☒ average ☐ fair ☐ poor

Growth obstructions: ☐ stakes ☐ wire/ties ☐ signs ☐ cables ☐ curb/pavement ☐ guards ☐ other _____

Major pests/diseases: _____

SITE CONDITIONS

Site character: ☒ residence ☐ commercial ☐ industrial ☐ park ☒ open space ☒ natural ☒ woodland/forest

Landscape type: ☐ parkway ☐ raised bed ☐ container ☐ mound ☐ lawn ☒ shrub border ☐ wind break

Irrigation: ☒ none ☐ adequate ☐ inadequate ☐ excessive ☐ trunk wetted Pavement lifted? Y N

Recent site disturbance? Y N ☐ construction ☐ soil disturbance ☐ grade change ☐ line clearing ☐ site clearing

% dripline paved:	0%	10-25%	25-50%	50-75%	75-100%
% dripline w/fill soil:	0%	10-25%	25-50%	50-75%	75-100%
% dripline grade lowered:	0%	10-25%	25-50%	50-75%	75-100%

Soil problems: ☐ drainage ☐ shallow ☐ compacted ☐ droughty ☐ saline ☐ alkaline ☐ acidic ☐ small volume ☐ disease center ☐ history of failure ☐ clay ☐ expansive ☐ slope _____° aspect _____

Obstructions: ☐ lights ☐ signage ☐ line-of-sight ☐ view ☐ overhead lines ☐ underground utilities ☐ traffic ☐ adjacent vegetation ☐ other _____

Exposure to wind: ☐ single tree ☐ below canopy ☒ above canopy ☐ recently exposed ☐ windward, canopy edge ☐ area prone to windthrow

Prevailing wind direction: _____ Occurrence of snow/ice storms: ☒ never ☐ seldom ☐ regularly

FIELD EVALUATION FORM - PAGE 2 OF 2

Tree Number 34

TARGET

Use Under Tree: ☐ building ☐ parking ☐ traffic ☐ pedestrian ☐ recreation ☒ landscape ☐ hardscape ☐ small features ☐ utility lines **Can target be moved?** Y (N) **Can use be restricted?** Y (N)

Occupancy: ☒ occasional use ☐ intermittent use ☐ frequent use ☐ constant use

TREE DEFECTS - Noted as applicable

ROOT DEFECTS: **Suspect root rot?** Y (N) **Mushroom/conk present?** Y (N) **ID:** _____

Exposed roots: ☐ severe ☐ moderate ☐ low **Undermined:** ☐ severe ☐ moderate ☐ low

Root pruned: _____ feet from trunk **Root area affected:** _____% **Buttress wounded?** Y N **When:** _____

Restricted root area: ☐ severe ☐ moderate ☐ low **Potential for root failure:** ☐ severe ☐ moderate ☐ low

LEAN: _____ degrees from vertical ☐ natural ☐ unnatural ☐ self-corrected **Soil heaving?** Y N

Decay in plane of lean? Y N **Roots broken?** Y N **Soil cracking?** Y N **Lean severity:** ☐ severe ☐ moderate ☐ low

Compounding factors: _____

CROWN DEFECTS: S = severe, M = moderate, L = low

DEFECT	ROOT CROWN	TRUNK	SCAFFOLDS	BRANCHES
Poor taper				
Bow, sweep				
Co-dominants, forks				
Multiple attachments				
Included bark				
Excessive end weight				
Cracks/splits				
Hangers				
Girdling				
Wounds/seam				
Decay				
Cavity	M	L		
Conks/mushrooms				
Bleeding/sap flow				
Loose/cracked bark				
Nesting hole/bee hive				
Deadwood/stubs			L	L
Borers/termites/ants				
Cankers/galls/burls				
Previous failure				

RECOMMENDED TREATMENT

Prune: ☐ remove defective part ☐ reduce end weight ☐ crown clean ☐ thin ☐ raise canopy ☐ crown reduce ☐ restructure ☐ shape

Pest control: _____ **Cable/Brace:** _____

Other Activities: ☐ aerate soil ☐ remove fill soil ☐ remove irrigation/planting ☐ remove wire, etc. ☐ fertilize/water

Inspect further: ☐ root crown ☐ decay ☐ aerial ☐ monitor **Remove tree?** Y (N) **Replace tree?** Y (N) **Move target:?** Y (N) **Other:** _____ ☐ no action required at this time

Effect on adjacent trees: ☒ none ☐ evaluate **Notification:** ☒ owner ☐ manager ☒ governing agency Date: See Tree Report

ADDITIONAL COMMENTS

FIELD EVALUATION FORM

Owner: _____ ☐ public ☒ private ☐ unknown ☐ other: _____

Site/Address: _____ Thomas Guide: Page: ____ Coordinate: ____

Date: 5/26/2015 Inspector: TJ Date of last Inspection: _____ ☐ not previously inspected

TREE CHARACTERISTICS

Tree #: 35 Species: ☒ *Quercus agrifolia* ☐ *Quercus lobata* ☐ other _____

# of trunks: 1 dbH (inches): 19 Height (feet): 35

Compass direction	N	NE	E	SE	S	SW	W	NW
Dripline (feet)	19	17	20	11	0	12	26	22
Clearance to canopy (feet)	20	15	15	15	0	15	6	15

Form: ☐ generally symmetric ☒ minor asymmetry ☐ major asymmetry ☐ stump sprout ☐ stag-headed

Crown class: ☐ dominant ☒ co-dominant ☐ intermediate ☐ suppressed

Age class: ☐ young ☐ semi-mature ☒ mature ☐ over-mature/senescent Live crown ratio (conifers only): _____%

Pruning history: ☐ crown cleaned ☐ excessively thinned ☐ topped ☐ crown raised ☐ pollarded ☐ crown reduced ☐ flush cuts ☐ cabled/braced ☒ none ☐ multiple pruning events Approximate dates: _____ ☐ unknown

Special Value: ☐ specimen ☐ heritage/historic ☒ wildlife ☐ unusual ☐ street tree ☒ screen ☒ shade ☒ indigenous ☒ protected by government agency

TREE HEALTH

Foliage color: ☒ normal ☐ chlorotic ☐ necrotic

Epicormics? Y (N) Twig Dieback? Y (N)

Foliage density: ☒ normal ☐ sparse

Leaf size: ☒ normal ☐ small

Annual shoot growth: ☐ excellent ☒ average ☐ poor

Woundwood development: ☐ excellent ☒ average ☐ poor ☐ none

Vigor class: ☐ excellent ☒ average ☐ fair ☐ poor

Growth obstructions: ☐ stakes ☐ wire/ties ☐ signs ☐ cables ☐ curb/pavement ☐ guards ☐ other _____

Major pests/diseases: _____

SITE CONDITIONS

Site character: ☒ residence ☐ commercial ☐ industrial ☐ park ☒ open space ☒ natural ☐ woodland/forest

Landscape type: ☐ parkway ☐ raised bed ☐ container ☐ mound ☐ lawn ☒ shrub border ☐ wind break

Irrigation: ☒ none ☐ adequate ☐ inadequate ☐ excessive ☐ trunk wetted Pavement lifted? Y (N)

Recent site disturbance? Y (N) ☐ construction ☐ soil disturbance ☐ grade change ☐ line clearing ☐ site clearing

% dripline paved:	0%	10-25%	25-50%	50-75%	75-100%
% dripline w/fill soil:	0%	10-25%	25-50%	50-75%	75-100%
% dripline grade lowered:	0%	10-25%	25-50%	50-75%	75-100%

Soil problems: ☐ drainage ☐ shallow ☐ compacted ☐ droughty ☐ saline ☐ alkaline ☐ acidic ☐ small volume ☐ disease center ☐ history of failure ☐ clay ☐ expansive ☐ slope _____° aspect _____

Obstructions: ☐ lights ☐ signage ☐ line-of-sight ☐ view ☐ overhead lines ☐ underground utilities ☐ traffic ☐ adjacent vegetation ☐ other _____

Exposure to wind: ☐ single tree ☐ below canopy ☒ above canopy ☐ recently exposed ☐ windward, canopy edge ☐ area prone to windthrow

Prevailing wind direction: _____ Occurrence of snow/ice storms: ☒ never ☐ seldom ☐ regularly

FIELD EVALUATION FORM - PAGE 2 OF 2

Tree Number 35

TARGET

Use Under Tree: ☐ building ☐ parking ☐ traffic ☐ pedestrian ☐ recreation ☒ landscape ☐ hardscape ☐ small features ☐ utility lines **Can target be moved?** Y N **Can use be restricted?** Y N

Occupancy: ☒ occasional use ☐ intermittent use ☐ frequent use ☐ constant use

TREE DEFECTS - Noted as applicable

ROOT DEFECTS: **Suspect root rot?** Y N **Mushroom/conk present?** Y N **ID:** _____

Exposed roots: ☐ severe ☐ moderate ☐ low **Undermined:** ☐ severe ☐ moderate ☐ low

Root pruned: _____ feet from trunk **Root area affected:** _____% **Buttress wounded?** Y N **When:** _____

Restricted root area: ☐ severe ☐ moderate ☐ low **Potential for root failure:** ☐ severe ☐ moderate ☐ low

LEAN: _____ degrees from vertical ☐ natural ☐ unnatural ☐ self-corrected **Soil heaving?** Y N

Decay in plane of lean? Y N **Roots broken?** Y N **Soil cracking?** Y N **Lean severity:** ☐ severe ☐ moderate ☐ low

Compounding factors: _____

CROWN DEFECTS: S = severe, M = moderate, L = low

DEFECT	ROOT CROWN	TRUNK	SCAFFOLDS	BRANCHES
Poor taper				
Bow, sweep				
Co-dominants, forks				
Multiple attachments				
Included bark				
Excessive end weight				
Cracks/splits				
Hangers				
Girdling				
Wounds/seam				
Decay				
Cavity	M			
Conks/mushrooms				
Bleeding/sap flow				
Loose/cracked bark				
Nesting hole/bee hive				
Deadwood/stubs				
Borers/termites/ants				
Cankers/galls/burls				
Previous failure				

RECOMMENDED TREATMENT

Prune: ☐ remove defective part ☐ reduce end weight ☐ crown clean ☐ thin ☐ raise canopy ☐ crown reduce ☐ restructure ☐ shape

Pest control: _____ **Cable/Brace:** _____

Other Activities: ☐ aerate soil ☐ remove fill soil ☐ remove irrigation/planting ☐ remove wire, etc. ☐ fertilize/water

Inspect further: ☐ root crown ☐ decay ☐ aerial ☐ monitor ☒ no action required at this time **Remove tree?** Y N **Replace tree?** Y N **Move target:?** Y N **Other:** _____

Effect on adjacent trees: ☒ none ☐ evaluate **Notification:** ☒ owner ☐ manager ☐ governing agency Date: See Tree Report

ADDITIONAL COMMENTS

FIELD EVALUATION FORM

Owner: _____ ☐ public ☒ private ☐ unknown ☐ other: _____

Site/Address: _____ Thomas Guide: Page: ____ Coordinate: ____

Date: 05/22/2015 Inspector: TJ Date of last inspection: _____ ☐ not previously inspected

TREE CHARACTERISTICS

Tree #: 36 Species: ☐ *Quercus agrifolia* ☐ *Quercus lobata* ☒ other Quercus beberidifolia

# of trunks: 2 dbH (inches): 5,4 Height (feet): 12

Compass direction	N	NE	E	SE	S	SW	W	NW
Dripline (feet)	10	12	8	8	8	8	8	9
Clearance to canopy (feet)	10	8	8	8	8	8	8	10

Form: ☐ generally symmetric ☒ minor asymmetry ☐ major asymmetry ☐ stump sprout ☐ stag-headed

Crown class: ☐ dominant ☐ co-dominant ☒ intermediate ☐ suppressed

Age class: ☐ young ☐ semi-mature ☒ mature ☐ over-mature/senescent Live crown ratio (conifers only): _____%

Pruning history: ☐ crown cleaned ☐ excessively thinned ☐ topped ☐ crown raised ☐ pollarded ☐ crown reduced ☐ flush cuts ☐ cabled/braced ☒ none ☐ multiple pruning events Approximate dates: _____ ☐ unknown

Special Value: ☐ specimen ☐ heritage/historic ☒ wildlife ☐ unusual ☐ street tree ☒ screen ☐ shade ☒ indigenous ☒ protected by government agency

TREE HEALTH

Foliage color: ☒ normal ☐ chlorotic ☐ necrotic

Epicormics? Y (N) Twig Dieback? Y (N)

Foliage density: ☒ normal ☐ sparse

Leaf size: ☒ normal ☐ small

Annual shoot growth: ☐ excellent ☒ average ☐ poor

Woundwood development: ☐ excellent ☒ average ☐ poor ☐ none

Vigor class: ☐ excellent ☒ average ☐ fair ☐ poor

Growth obstructions: ☐ stakes ☐ wire/ties ☐ signs ☐ cables ☐ curb/pavement ☐ guards ☐ other _____

Major pests/diseases: _____

SITE CONDITIONS

Site character: ☒ residence ☐ commercial ☐ industrial ☐ park ☒ open space ☒ natural ☒ woodland/forest

Landscape type: ☐ parkway ☐ raised bed ☐ container ☐ mound ☐ lawn ☐ shrub border ☐ wind break

Irrigation: ☐ none ☐ adequate ☐ inadequate ☐ excessive ☐ trunk wetted Pavement lifted? Y (N)

Recent site disturbance? Y (N) ☐ construction ☐ soil disturbance ☐ grade change ☐ line clearing ☐ site clearing

% dripline paved: 0% 10-25% 25-50% 50-75% 75-100%

% dripline w/fill soil: 0% 10-25% 25-50% 50-75% 75-100%

% dripline grade lowered: 0% 10-25% 25-50% 50-75% 75-100%

Soil problems: ☐ drainage ☐ shallow ☐ compacted ☐ droughty ☐ saline ☐ alkaline ☐ acidic ☐ small volume ☐ disease center ☐ history of failure ☐ clay ☐ expansive ☐ slope _____° aspect _____

Obstructions: ☐ lights ☐ signage ☐ line-of-sight ☐ view ☐ overhead lines ☐ underground utilities ☐ traffic ☐ adjacent vegetation ☐ other _____

Exposure to wind: ☐ single tree ☒ below canopy ☐ above canopy ☐ recently exposed ☐ windward, canopy edge ☐ area prone to windthrow

Prevailing wind direction: _____ Occurrence of snow/ice storms: ☒ never ☐ seldom ☐ regularly

FIELD EVALUATION FORM - PAGE 2 OF 2

Tree Number 36

TARGET

Use Under Tree: ☐ building ☐ parking ☐ traffic ☐ pedestrian ☐ recreation ☒ landscape ☐ hardscape ☐ small features ☐ utility lines **Can target be moved?** Y N **Can use be restricted?** Y N

Occupancy: ☒ occasional use ☐ intermittent use ☐ frequent use ☐ constant use

TREE DEFECTS - Noted as applicable

ROOT DEFECTS: **Suspect root rot?** Y N **Mushroom/conk present?** Y N **ID:** _____

Exposed roots: ☐ severe ☐ moderate ☐ low **Undermined:** ☐ severe ☐ moderate ☐ low

Root pruned: _____ feet from trunk **Root area affected:** _____% **Buttress wounded?** Y N **When:** _____

Restricted root area: ☐ severe ☐ moderate ☐ low **Potential for root failure:** ☐ severe ☐ moderate ☐ low

LEAN: _____ degrees from vertical ☐ natural ☐ unnatural ☐ self-corrected **Soil heaving?** Y N

Decay in plane of lean? Y N **Roots broken?** Y N **Soil cracking?** Y N **Lean severity:** ☐ severe ☐ moderate ☐ low

Compounding factors: _____

CROWN DEFECTS: S = severe, M = moderate, L = low

DEFECT	ROOT CROWN	TRUNK	SCAFFOLDS	BRANCHES
Poor taper				
Bow, sweep				
Co-dominants, forks				
Multiple attachments				
Included bark				
Excessive end weight				
Cracks/splits				
Hangers				
Girdling				
Wounds/seam				
Decay				
Cavity				
Conks/mushrooms				
Bleeding/sap flow				
Loose/cracked bark				
Nesting hole/bee hive				
Deadwood/stubs			M	M
Borers/termites/ants				
Cankers/galls/burls				
Previous failure		S (1 trunk)		

RECOMMENDED TREATMENT

Prune: ☐ remove defective part ☐ reduce end weight ☐ crown clean ☐ thin ☐ raise canopy ☐ crown reduce ☐ restructure ☐ shape

Pest control: _____ **Cable/Brace:** _____

Other Activities: ☐ aerate soil ☐ remove fill soil ☐ remove irrigation/planting ☐ remove wire, etc. ☐ fertilize/water

Inspect further: ☐ root crown ☐ decay ☐ aerial ☐ monitor **Remove tree?** Y N **Replace tree?** Y N **Move target:?** Y N **Other:** _____ ☒ no action required at this time

Effect on adjacent trees: ☒ none ☐ evaluate **Notification:** ☒ owner ☐ manager ☒ governing agency Date: See Tree Report

ADDITIONAL COMMENTS

FIELD EVALUATION FORM

Owner: _____ ☐ public ☐ private ☐ unknown ☐ other: _____

Site/Address: _____ Thomas Guide: Page: ____ Coordinate: ____

Date: 05/26/2015 Inspector: TJ Date of last inspection: _____ ☐ not previously inspected

TREE CHARACTERISTICS

Tree #: 37 Species: ☒ *Quercus agrifolia* ☐ *Quercus lobata* ☐ other _____

# of trunks: 1 dbH (inches): 16 Height (feet): 30

Compass direction	N	NE	E	SE	S	SW	W	NW
Dripline (feet)	15	16	14	13	13	16	14	11
Clearance to canopy (feet)	30	20	20	30	30	20	20	20

Form: ☒ generally symmetric ☐ minor asymmetry ☐ major asymmetry ☐ stump sprout ☐ stag-headed

Crown class: ☐ dominant ☒ co-dominant ☐ intermediate ☐ suppressed

Age class: ☐ young ☐ semi-mature ☒ mature ☐ over-mature/senescent Live crown ratio (conifers only): _____%

Pruning history: ☐ crown cleaned ☐ excessively thinned ☐ topped ☐ crown raised ☐ pollarded ☐ crown reduced ☐ flush cuts ☐ cabled/braced ☒ none ☐ multiple pruning events Approximate dates: _____ ☐ unknown

Special Value: ☐ specimen ☐ heritage/historic ☒ wildlife ☐ unusual ☐ street tree ☒ screen ☒ shade ☒ indigenous ☒ protected by government agency

TREE HEALTH

Foliage color: ☒ normal ☐ chlorotic ☐ necrotic

Epicormics? Y (N) Twig Dieback? Y (N)

Foliage density: ☒ normal ☐ sparse

Leaf size: ☒ normal ☐ small

Annual shoot growth: ☐ excellent ☒ average ☐ poor

Woundwood development: ☐ excellent ☒ average ☐ poor ☐ none

Vigor class: ☐ excellent ☒ average ☐ fair ☐ poor

Growth obstructions: ☐ stakes ☐ wire/ties ☐ signs ☐ cables ☐ curb/pavement ☐ guards ☐ other _____

Major pests/diseases: _____

SITE CONDITIONS

Site character: ☒ residence ☐ commercial ☐ industrial ☐ park ☒ open space ☒ natural ☒ woodland/forest

Landscape type: ☐ parkway ☐ raised bed ☐ container ☐ mound ☐ lawn ☒ shrub border ☐ wind break

Irrigation: ☒ none ☐ adequate ☐ inadequate ☐ excessive ☐ trunk wetted Pavement lifted? Y (N)

Recent site disturbance? Y (N) ☐ construction ☐ soil disturbance ☐ grade change ☐ line clearing ☐ site clearing

% dripline paved:	0%	10-25%	25-50%	50-75%	75-100%
% dripline w/fill soil:	0%	10-25%	25-50%	50-75%	75-100%
% dripline grade lowered:	0%	10-25%	25-50%	50-75%	75-100%

Soil problems: ☐ drainage ☐ shallow ☐ compacted ☐ droughty ☐ saline ☐ alkaline ☐ acidic ☐ small volume ☐ disease center ☐ history of failure ☐ clay ☐ expansive ☐ slope _____° aspect _____

Obstructions: ☐ lights ☐ signage ☐ line-of-sight ☐ view ☐ overhead lines ☐ underground utilities ☐ traffic ☐ adjacent vegetation ☐ other _____

Exposure to wind: ☐ single tree ☐ below canopy ☒ above canopy ☐ recently exposed ☐ windward, canopy edge ☐ area prone to windthrow

Prevailing wind direction: _____ Occurrence of snow/ice storms: ☒ never ☐ seldom ☐ regularly

FIELD EVALUATION FORM - PAGE 2 OF 2

Tree Number 37

TARGET

Use Under Tree: ☐ building ☐ parking ☐ traffic ☐ pedestrian ☐ recreation ☐ landscape ☐ hardscape ☐ small features ☐ utility lines Can target be moved? Y N Can use be restricted? Y N

Occupancy: ☐ occasional use ☐ intermittent use ☐ frequent use ☐ constant use

TREE DEFECTS - Noted as applicable

ROOT DEFECTS: Suspect root rot? Y N Mushroom/conk present? Y N ID: _____

Exposed roots: ☐ severe ☐ moderate ☐ low Undermined: ☐ severe ☐ moderate ☐ low

Root pruned: _____ feet from trunk Root area affected: _____% Buttress wounded? Y N When: _____

Restricted root area: ☐ severe ☐ moderate ☐ low Potential for root failure: ☐ severe ☐ moderate ☐ low

LEAN: _____ degrees from vertical ☐ natural ☐ unnatural ☐ self-corrected Soil heaving? Y N

Decay in plane of lean? Y N Roots broken? Y N Soil cracking? Y N Lean severity: ☐ severe ☐ moderate ☐ low

Compounding factors: _____

CROWN DEFECTS: S = severe, M = moderate, L = low

DEFECT	ROOT CROWN	TRUNK	SCAFFOLDS	BRANCHES
Poor taper				
Bow, sweep				
Co-dominants, forks			M	
Multiple attachments			M	
Included bark			M	
Excessive end weight				
Cracks/splits				
Hangers				
Girdling				
Wounds/seam				
Decay				
Cavity				
Conks/mushrooms				
Bleeding/sap flow				
Loose/cracked bark				
Nesting hole/bee hive				
Deadwood/stubs				
Borers/termites/ants				
Cankers/galls/burls				
Previous failure				

RECOMMENDED TREATMENT

Prune: ☐ remove defective part ☐ reduce end weight ☐ crown clean ☐ thin ☐ raise canopy ☐ crown reduce ☐ restructure ☐ shape

Pest control: _____ Cable/Brace: _____

Other Activities: ☐ aerate soil ☐ remove fill soil ☐ remove irrigation/planting ☐ remove wire, etc. ☐ fertilize/water

Inspect further: ☐ root crown ☐ decay ☐ aerial ☐ monitor Remove tree? Y N Replace tree? Y N Move target:? Y N Other: _____ ☐ no action required at this time

Effect on adjacent trees: ☐ none ☐ evaluate Notification: ☐ owner ☐ manager ☐ governing agency Date See Tree Report

ADDITIONAL COMMENTS

FIELD EVALUATION FORM

Owner: _____ ☐ public ☒ private ☐ unknown ☐ other: _____

Site/Address: _____ Thomas Guide: Page: ____ Coordinate: ____

Date: 05/22/2015 Inspector: TJ Date of last inspection: _____ ☐ not previously inspected

TREE CHARACTERISTICS

Tree #: 38 Species: ☒ *Quercus agrifolia* ☐ *Quercus lobata* ☐ other _____

# of trunks: 1 dbH (inches): 17 Height (feet): 35

Compass direction	N	NE	E	SE	S	SW	W	NW
Dripline (feet)	13	14	15	18	18	15	16	13
Clearance to canopy (feet)	35	10	20	25	25	10	8	10

Form: ☒ generally symmetric ☐ minor asymmetry ☐ major asymmetry ☐ stump sprout ☐ stag-headed

Crown class: ☒ dominant ☐ co-dominant ☐ intermediate ☐ suppressed

Age class: ☐ young ☐ semi-mature ☒ mature ☐ over-mature/senescent Live crown ratio (conifers only): _____%

Pruning history: ☐ crown cleaned ☐ excessively thinned ☐ topped ☐ crown raised ☐ pollarded ☐ crown reduced ☐ flush cuts ☐ cabled/braced ☒ none ☐ multiple pruning events Approximate dates: _____ ☐ unknown

Special Value: ☐ specimen ☐ heritage/historic ☒ wildlife ☐ unusual ☐ street tree ☒ screen ☒ shade ☒ indigenous ☒ protected by government agency

TREE HEALTH

Foliage color: ☒ normal ☐ chlorotic ☐ necrotic

Epicormics? Y N Twig Dieback? Y N

Foliage density: ☐ normal ☐ sparse

Leaf size: ☒ normal ☐ small

Annual shoot growth: ☐ excellent ☒ average ☐ poor

Major pests/diseases: _____

Woundwood development: ☐ excellent ☒ average ☐ poor ☐ none

Vigor class: ☐ excellent ☒ average ☐ fair ☐ poor

Growth obstructions: ☐ stakes ☐ wire/ties ☐ signs ☐ cables ☐ curb/pavement ☐ guards ☐ other _____

SITE CONDITIONS

Site character: ☒ residence ☐ commercial ☐ industrial ☐ park ☒ open space ☒ natural ☒ woodland/forest

Landscape type: ☐ parkway ☐ raised bed ☐ container ☐ mound ☐ lawn ☒ shrub border ☐ wind break

Irrigation: ☒ none ☐ adequate ☐ inadequate ☐ excessive ☐ trunk wetted Pavement lifted? Y N

Recent site disturbance? Y N ☐ construction ☐ soil disturbance ☐ grade change ☐ line clearing ☐ site clearing

% dripline paved:	0%	10-25%	25-50%	50-75%	75-100%
% dripline w/fill soil:	0%	10-25%	25-50%	50-75%	75-100%
% dripline grade lowered:	0%	10-25%	25-50%	50-75%	75-100%

Soil problems: ☐ drainage ☐ shallow ☐ compacted ☐ droughty ☐ saline ☐ alkaline ☐ acidic ☐ small volume ☐ disease center ☐ history of failure ☐ clay ☐ expansive ☐ slope _____° aspect _____

Obstructions: ☐ lights ☐ signage ☐ line-of-sight ☐ view ☐ overhead lines ☐ underground utilities ☐ traffic ☐ adjacent vegetation ☐ other _____

Exposure to wind: ☒ single tree ☐ below canopy ☐ above canopy ☐ recently exposed ☐ windward, canopy edge ☐ area prone to windthrow

Prevailing wind direction: _____ Occurrence of snow/ice storms: ☒ never ☐ seldom ☐ regularly

FIELD EVALUATION FORM - PAGE 2 OF 2

Tree Number 38

TARGET

Use Under Tree: ☐ building ☐ parking ☐ traffic ☐ pedestrian ☐ recreation ☒ landscape ☐ hardscape ☐ small features ☐ utility lines **Can target be moved?** Y N **Can use be restricted?** Y N

Occupancy: ☒ occasional use ☐ intermittent use ☐ frequent use ☐ constant use

TREE DEFECTS - Noted as applicable

ROOT DEFECTS: **Suspect root rot?** Y N **Mushroom/conk present?** Y N **ID:** _____

Exposed roots: ☐ severe ☐ moderate ☐ low **Undermined:** ☐ severe ☐ moderate ☐ low

Root pruned: _____ feet from trunk **Root area affected:** _____% **Buttress wounded?** Y N **When:** _____

Restricted root area: ☐ severe ☐ moderate ☐ low **Potential for root failure:** ☐ severe ☐ moderate ☐ low

LEAN: _____ degrees from vertical ☐ natural ☐ unnatural ☐ self-corrected **Soil heaving?** Y N

Decay in plane of lean? Y N **Roots broken?** Y N **Soil cracking?** Y N **Lean severity:** ☐ severe ☐ moderate ☐ low

Compounding factors: _____

CROWN DEFECTS: S = severe, M = moderate, L = low

DEFECT	ROOT CROWN	TRUNK	SCAFFOLDS	BRANCHES
Poor taper				
Bow, sweep				
Co-dominants, forks				
Multiple attachments				
Included bark				
Excessive end weight				
Cracks/splits				
Hangers				
Girdling				
Wounds/seam				
Decay				
Cavity				
Conks/mushrooms				
Bleeding/sap flow				
Loose/cracked bark				
Nesting hole/bee hive				
Deadwood/stubs				
Borers/termites/ants				
Cankers/galls/burls				
Previous failure				

RECOMMENDED TREATMENT

Prune: ☐ remove defective part ☐ reduce end weight ☐ crown clean ☐ thin ☐ raise canopy ☐ crown reduce ☐ restructure ☐ shape

Pest control: _____ **Cable/Brace:** _____

Other Activities: ☐ aerate soil ☐ remove fill soil ☐ remove irrigation/planting ☐ remove wire, etc. ☐ fertilize/water

Inspect further: ☐ root crown ☐ decay ☐ aerial ☐ monitor **Remove tree?** Y N **Replace tree?** Y N **Move target:?** Y N **Other:** _____ ☒ no action required at this time

Effect on adjacent trees: ☒ none ☐ evaluate **Notification:** ☒ owner ☐ manager ☐ governing agency Date: See Tree Report

ADDITIONAL COMMENTS

FIELD EVALUATION FORM

Owner: _____ ☐ public ☒ private ☐ unknown ☐ other: _____

Site/Address: _____ Thomas Guide: Page: ____ Coordinate: ____

Date: 05/22/2015 Inspector: TJ Date of last inspection: _____ ☐ not previously inspected

TREE CHARACTERISTICS

Tree #: 33 Species: ☒ *Quercus agrifolia* ☐ *Quercus lobata* ☐ other _____

# of trunks: 3 dbH (inches): 7, 7, 4 Height (feet): 15

Compass direction	N	NE	E	SE	S	SW	W	NW
Dripline (feet)	11	7	8	11	10	8	12	8
Clearance to canopy (feet)	15	6	6	15	12	10	8	7

Form: ☒ generally symmetric ☐ minor asymmetry ☐ major asymmetry ☐ stump sprout ☐ stag-headed

Crown class: ☒ dominant ☐ co-dominant ☐ intermediate ☐ suppressed

Age class: ☐ young ☒ semi-mature ☐ mature ☐ over-mature/senescent Live crown ratio (conifers only): _____%

Pruning history: ☐ crown cleaned ☐ excessively thinned ☐ topped ☐ crown raised ☐ pollarded ☐ crown reduced ☐ flush cuts ☐ cabled/braced ☒ none ☐ multiple pruning events Approximate dates: _____ ☐ unknown

Special Value: ☐ specimen ☐ heritage/historic ☒ wildlife ☐ unusual ☐ street tree ☒ screen ☒ shade ☒ indigenous ☒ protected by government agency

TREE HEALTH

Foliage color: ☐ normal ☐ chlorotic ☐ necrotic

Epicormics? Y / N Twig Dieback? Y / N

Foliage density: ☐ normal ☒ sparse

Leaf size: ☒ normal ☐ small

Annual shoot growth: ☐ excellent ☒ average ☐ poor

Woundwood development: ☐ excellent ☒ average ☐ poor ☐ none

Vigor class: ☐ excellent ☐ average ☒ fair ☐ poor

Growth obstructions: ☐ stakes ☐ wire/ties ☐ signs ☐ cables ☐ curb/pavement ☐ guards ☐ other _____

Major pests/diseases: _____

SITE CONDITIONS

Site character: ☒ residence ☐ commercial ☐ industrial ☐ park ☒ open space ☒ natural ☒ woodland/forest

Landscape type: ☐ parkway ☐ raised bed ☐ container ☐ mound ☐ lawn ☒ shrub border ☐ wind break

Irrigation: ☒ none ☐ adequate ☐ inadequate ☐ excessive ☐ trunk wetted Pavement lifted? Y / N

Recent site disturbance? Y / N ☐ construction ☐ soil disturbance ☐ grade change ☐ line clearing ☐ site clearing

% dripline paved:	0%	10-25%	25-50%	50-75%	75-100%
% dripline w/fill soil:	0%	10-25%	25-50%	50-75%	75-100%
% dripline grade lowered:	0%	10-25%	25-50%	50-75%	75-100%

Soil problems: ☐ drainage ☐ shallow ☐ compacted ☐ droughty ☐ saline ☐ alkaline ☐ acidic ☐ small volume ☐ disease center ☐ history of failure ☐ clay ☐ expansive ☐ slope _____° aspect _____

Obstructions: ☐ lights ☐ signage ☐ line-of-sight ☐ view ☐ overhead lines ☐ underground utilities ☐ traffic ☐ adjacent vegetation ☐ other _____

Exposure to wind: ☒ single tree ☐ below canopy ☐ above canopy ☐ recently exposed ☐ windward, canopy edge ☐ area prone to windthrow

Prevailing wind direction: _____ Occurrence of snow/ice storms: ☒ never ☐ seldom ☐ regularly

FIELD EVALUATION FORM - PAGE 2 OF 2

Tree Number 39

TARGET

Use Under Tree: ☐ building ☐ parking ☐ traffic ☐ pedestrian ☐ recreation ☒ landscape ☐ hardscape ☐ small features ☐ utility lines **Can target be moved?** Y N **Can use be restricted?** Y N

Occupancy: ☒ occasional use ☐ intermittent use ☐ frequent use ☐ constant use

TREE DEFECTS - Noted as applicable

ROOT DEFECTS: **Suspect root rot?** Y N **Mushroom/conk present?** Y N **ID:** _____

Exposed roots: ☐ severe ☐ moderate ☐ low **Undermined:** ☐ severe ☐ moderate ☐ low

Root pruned: _____ feet from trunk **Root area affected:** _____% **Buttress wounded?** Y N **When:** _____

Restricted root area: ☐ severe ☐ moderate ☐ low **Potential for root failure:** ☐ severe ☐ moderate ☐ low

LEAN: _____ degrees from vertical ☐ natural ☐ unnatural ☐ self-corrected **Soil heaving?** Y N

Decay in plane of lean? Y N **Roots broken?** Y N **Soil cracking?** Y N **Lean severity:** ☐ severe ☐ moderate ☐ low

Compounding factors: _____

CROWN DEFECTS: S = severe, M = moderate, L = low

DEFECT	ROOT CROWN	TRUNK	SCAFFOLDS	BRANCHES
Poor taper				
Bow, sweep				
Co-dominants, forks		S		
Multiple attachments	S			
Included bark	S			
Excessive end weight				
Cracks/splits				
Hangers				
Girdling				
Wounds/seam				
Decay				
Cavity				
Conks/mushrooms				
Bleeding/sap flow				
Loose/cracked bark				
Nesting hole/bee hive				
Deadwood/stubs				
Borers/termites/ants				
Cankers/gails/burls				
Previous failure				

RECOMMENDED TREATMENT

Prune: ☐ remove defective part ☐ reduce end weight ☐ crown clean ☐ thin ☐ raise canopy ☐ crown reduce ☐ restructure ☐ shape

Pest control: _____ **Cable/Brace:** _____

Other Activities: ☐ aerate soil ☐ remove fill soil ☐ remove irrigation/planting ☐ remove wire, etc. ☐ fertilize/water

Inspect further: ☐ root crown ☐ decay ☐ aerial ☐ monitor **Remove tree?** Y N **Replace tree?** Y N **Move target:?** Y N **Other:** _____ ☒ no action required at this time

Effect on adjacent trees: ☒ none ☐ evaluate **Notification:** ☒ owner ☐ manager ☒ governing agency Date: See Tree Report

ADDITIONAL COMMENTS

FIELD EVALUATION FORM

Owner: _____ ☐ public ☒ private ☐ unknown ☐ other: _____

Site/Address: _____ Thomas Guide: Page: ____ Coordinate: ____

Date: 05/29/2015 Inspector: _____ Date of last Inspection: _____ ☐ not previously inspected

TREE CHARACTERISTICS

Tree #: 40 Species: ☐ *Quercus agrifolia* ☐ *Quercus lobata* ☐ other _____

# of trunks: 2 dbH (inches): 19, 3@1' Height (feet): 45

Compass direction	N	NE	E	SE	S	SW	W	NW
Dripline (feet)	21	24	16	26	24	21	18	18
Clearance to canopy (feet)	15	10	10	5	6	5	20	20

Form: ☒ generally symmetric ☐ minor asymmetry ☐ major asymmetry ☐ stump sprout ☐ stag-headed

Crown class: ☒ dominant ☐ co-dominant ☐ intermediate ☐ suppressed

Age class: ☐ young ☐ semi-mature ☒ mature ☐ over-mature/senescent Live crown ratio (conifers only): _____%

Pruning history: ☐ crown cleaned ☐ excessively thinned ☐ topped ☐ crown raised ☐ pollarded ☐ crown reduced ☐ flush cuts ☐ cabled/braced ☒ none ☐ multiple pruning events Approximate dates: _____ ☐ unknown

Special Value: ☐ specimen ☐ heritage/historic ☒ wildlife ☐ unusual ☐ street tree ☒ screen ☒ shade ☒ indigenous ☒ protected by government agency

TREE HEALTH

Foliage color: ☒ normal ☐ chlorotic ☐ necrotic

Epicormics? Y (N) Twig Dieback? Y (N)

Foliage density: ☒ normal ☐ sparse

Leaf size: ☒ normal ☐ small

Annual shoot growth: ☐ excellent ☒ average ☐ poor

Woundwood development: ☐ excellent ☒ average ☐ poor ☐ none

Vigor class: ☐ excellent ☒ average ☐ fair ☐ poor

Growth obstructions: ☐ stakes ☐ wire/ties ☐ signs ☐ cables ☐ curb/pavement ☐ guards ☐ other _____

Major pests/diseases: _____

SITE CONDITIONS

Site character: ☒ residence ☐ commercial ☐ industrial ☐ park ☒ open space ☒ natural ☒ woodland/forest

Landscape type: ☐ parkway ☐ raised bed ☐ container ☐ mound ☐ lawn ☒ shrub border ☐ wind break

Irrigation: ☒ none ☐ adequate ☐ inadequate ☐ excessive ☐ trunk wetted Pavement lifted? Y (N)

Recent site disturbance? Y (N) ☐ construction ☐ soil disturbance ☐ grade change ☐ line clearing ☐ site clearing

% dripline paved: 0% 10-25% 25-50% 50-75% 75-100%

% dripline w/fill soil: 0% 10-25% 25-50% 50-75% 75-100%

% dripline grade lowered: 0% 10-25% 25-50% 50-75% 75-100%

Soil problems: ☐ drainage ☐ shallow ☐ compacted ☐ droughty ☐ saline ☐ alkaline ☐ acidic ☐ small volume ☐ disease center ☐ history of failure ☐ clay ☐ expansive ☐ slope _____° aspect _____

Obstructions: ☐ lights ☐ signage ☐ line-of-sight ☐ view ☐ overhead lines ☐ underground utilities ☐ traffic ☐ adjacent vegetation ☐ other _____

Exposure to wind: ☒ single tree ☐ below canopy ☐ above canopy ☐ recently exposed ☐ windward, canopy edge ☐ area prone to windthrow

Prevailing wind direction: _____ Occurrence of snow/ice storms: ☒ never ☐ seldom ☐ regularly

FIELD EVALUATION FORM - PAGE 2 OF 2 Tree Number 40

TARGET

Use Under Tree: ☐ building ☐ parking ☐ traffic ☐ pedestrian ☐ recreation ☒ landscape ☐ hardscape ☐ small features ☐ utility lines **Can target be moved?** Y N **Can use be restricted?** Y N

Occupancy: ☒ occasional use ☐ intermittent use ☐ frequent use ☐ constant use

TREE DEFECTS - Noted as applicable

ROOT DEFECTS: **Suspect root rot?** Y N **Mushroom/conk present?** Y N **ID:** _____

Exposed roots: ☐ severe ☐ moderate ☐ low **Undermined:** ☐ severe ☐ moderate ☐ low

Root pruned: _____ feet from trunk **Root area affected:** _____% **Buttress wounded?** Y N **When:** _____

Restricted root area: ☐ severe ☐ moderate ☐ low **Potential for root failure:** ☐ severe ☐ moderate ☐ low

LEAN: _____ degrees from vertical ☐ natural ☐ unnatural ☐ self-corrected **Soil heaving?** Y N

Decay in plane of lean? Y N **Roots broken?** Y N **Soil cracking?** Y N **Lean severity:** ☐ severe ☐ moderate ☐ low

Compounding factors: _____

CROWN DEFECTS: S = severe, M = moderate, L = low

DEFECT	ROOT CROWN	TRUNK	SCAFFOLDS	BRANCHES
Poor taper				
Bow, sweep				
Co-dominants, forks				
Multiple attachments				
Included bark				
Excessive end weight				
Cracks/splits				
Hangers				
Girdling				
Wounds/seam				
Decay				
Cavity				
Conks/mushrooms				
Bleeding/sap flow				
Loose/cracked bark				
Nesting hole/bee hive				
Deadwood/stubs				
Borers/termites/ants				
Cankers/galls/burls				
Previous failure				

RECOMMENDED TREATMENT

Prune: ☐ remove defective part ☐ reduce end weight ☐ crown clean ☐ thin ☐ raise canopy ☐ crown reduce ☐ restructure ☐ shape

Pest control: _____ **Cable/Brace:** _____

Other Activities: ☐ aerate soil ☐ remove fill soil ☐ remove irrigation/planting ☐ remove wire, etc. ☐ fertilize/water

Inspect further: ☐ root crown ☐ decay ☐ aerial ☐ monitor **Remove tree?** Y N **Replace tree?** Y N **Move target:?** Y N **Other:** _____ ☒ no action required at this time

Effect on adjacent trees: ☒ none ☐ evaluate **Notification:** ☒ owner ☐ manager ☒ governing agency Date: See Tree Report

ADDITIONAL COMMENTS

FIELD EVALUATION FORM

Owner: _____ ☐ public ☒ private ☐ unknown ☐ other: _____

Site/Address: _____ Thomas Guide: Page: ____ Coordinate: ____

Date: 05/27/2015 Inspector: TJ Date of last inspection: _____ ☐ not previously inspected

TREE CHARACTERISTICS

Tree #: 41 Species: ☒ *Quercus agrifolia* ☐ *Quercus lobata* ☐ other _____

# of trunks: 1 dbH (inches): 16 Height (feet): 30

Compass direction	N	NE	E	SE	S	SW	W	NW
Dripline (feet)	17	16	14	18	16	10	15	13
Clearance to canopy (feet)	15	15	15	15	8	15	12	6

Form: ☒ generally symmetric ☐ minor asymmetry ☐ major asymmetry ☐ stump sprout ☐ stag-headed

Crown class: ☒ dominant ☐ co-dominant ☐ intermediate ☐ suppressed

Age class: ☐ young ☐ semi-mature ☒ mature ☐ over-mature/senescent Live crown ratio (conifers only): _____%

Pruning history: ☐ crown cleaned ☐ excessively thinned ☐ topped ☐ crown raised ☐ pollarded ☐ crown reduced ☐ flush cuts ☐ cabled/braced ☒ none ☐ multiple pruning events Approximate dates: _____ ☐ unknown

Special Value: ☐ specimen ☐ heritage/historic ☒ wildlife ☐ unusual ☐ street tree ☒ screen ☒ shade ☒ indigenous ☒ protected by government agency

TREE HEALTH

Foliage color: ☒ normal ☐ chlorotic ☐ necrotic

Epicormics? Y (N) Twig Dieback? Y (N)

Foliage density: ☒ normal ☐ sparse

Leaf size: ☒ normal ☐ small

Annual shoot growth: ☐ excellent ☒ average ☐ poor

Woundwood development: ☐ excellent ☒ average ☐ poor ☐ none

Vigor class: ☐ excellent ☒ average ☐ fair ☐ poor

Growth obstructions: ☐ stakes ☐ wire/ties ☐ signs ☐ cables ☐ curb/pavement ☐ guards ☐ other _____

Major pests/diseases: _____

SITE CONDITIONS

Site character: ☒ residence ☐ commercial ☐ industrial ☐ park ☒ open space ☒ natural ☒ woodland/forest

Landscape type: ☐ parkway ☐ raised bed ☐ container ☐ mound ☐ lawn ☒ shrub border ☐ wind break

Irrigation: ☒ none ☐ adequate ☐ inadequate ☐ excessive ☐ trunk wetted Pavement lifted? Y (N)

Recent site disturbance? Y (N) ☐ construction ☐ soil disturbance ☐ grade change ☐ line clearing ☐ site clearing

% dripline paved:	0%	10-25%	25-50%	50-75%	75-100%
% dripline w/fill soil:	0%	10-25%	25-50%	50-75%	75-100%
% dripline grade lowered:	0%	10-25%	25-50%	50-75%	75-100%

Soil problems: ☐ drainage ☐ shallow ☐ compacted ☐ droughty ☐ saline ☐ alkaline ☐ acidic ☐ small volume ☐ disease center ☐ history of failure ☐ clay ☐ expansive ☐ slope _____° aspect _____

Obstructions: ☐ lights ☐ signage ☐ line-of-sight ☐ view ☐ overhead lines ☐ underground utilities ☐ traffic ☐ adjacent vegetation ☐ other _____

Exposure to wind: ☒ single tree ☐ below canopy ☐ above canopy ☐ recently exposed ☐ windward, canopy edge ☐ area prone to windthrow

Prevailing wind direction: _____ Occurrence of snow/ice storms: ☒ never ☐ seldom ☐ regularly

FIELD EVALUATION FORM - PAGE 2 OF 2

Tree Number 41

TARGET

Use Under Tree: ☐ building ☐ parking ☐ traffic ☐ pedestrian ☐ recreation ☒ landscape ☐ hardscape ☐ small features ☐ utility lines **Can target be moved?** Y N **Can use be restricted?** Y N

Occupancy: ☒ occasional use ☐ intermittent use ☐ frequent use ☐ constant use

TREE DEFECTS - Noted as applicable

ROOT DEFECTS: **Suspect root rot?** Y N **Mushroom/conk present?** Y N **ID:** _____

Exposed roots: ☐ severe ☐ moderate ☐ low **Undermined:** ☐ severe ☐ moderate ☐ low

Root pruned: _____ feet from trunk **Root area affected:** _____% **Buttress wounded?** Y N **When:** _____

Restricted root area: ☐ severe ☐ moderate ☐ low **Potential for root failure:** ☐ severe ☐ moderate ☐ low

LEAN: _____ degrees from vertical ☐ natural ☐ unnatural ☐ self-corrected **Soil heaving?** Y N

Decay in plane of lean? Y N **Roots broken?** Y N **Soil cracking?** Y N **Lean severity:** ☐ severe ☐ moderate ☐ low

Compounding factors: _____

CROWN DEFECTS: S = severe, M = moderate, L = low

DEFECT	ROOT CROWN	TRUNK	SCAFFOLDS	BRANCHES
Poor taper				
Bow, sweep				
Co-dominants, forks			L	
Multiple attachments				
Included bark			L	
Excessive end weight				
Cracks/splits				
Hangers				
Girdling				
Wounds/seam				
Decay				
Cavity				
Conks/mushrooms				
Bleeding/sap flow				
Loose/cracked bark				
Nesting hole/bee hive				
Deadwood/stubs				
Borers/termites/ants				
Cankers/galls/burls				
Previous failure				

RECOMMENDED TREATMENT

Prune: ☐ remove defective part ☐ reduce end weight ☐ crown clean ☐ thin ☐ raise canopy ☐ crown reduce ☐ restructure ☐ shape

Pest control: _____ **Cable/Brace:** _____

Other Activities: ☐ aerate soil ☐ remove fill soil ☐ remove irrigation/planting ☐ remove wire, etc. ☐ fertilize/water

Inspect further: ☐ root crown ☐ decay ☐ aerial ☐ monitor ☒ no action required at this time **Remove tree?** Y N **Replace tree?** Y N **Move target:?** Y N **Other:** _____

Effect on adjacent trees: ☒ none ☐ evaluate **Notification:** ☒ owner ☐ manager ☒ governing agency Date: See Tree Report

ADDITIONAL COMMENTS

FIELD EVALUATION FORM

Owner: _____ ☐ public ☒ private ☐ unknown ☐ other: _____

Site/Address: _____ Thomas Guide: Page: ____ Coordinate: ____

Date: 05/27/2015 Inspector: TJ Date of last inspection: _____ ☐ not previously inspected

TREE CHARACTERISTICS

Tree #: 42 Species: ☒ *Quercus agrifolia* ☐ *Quercus lobata* ☐ other _____

# of trunks: 1 dbH (inches): 22, 9@2' Height (feet): 50

Compass direction	N	NE	E	SE	S	SW	W	NW
Dripline (feet)	34	27	35	23	18	13	23	25
Clearance to canopy (feet)	6	6	4	4	40	40	30	40

Form: ☒ generally symmetric ☐ minor asymmetry ☐ major asymmetry ☐ stump sprout ☐ stag-headed

Crown class: ☐ dominant ☒ co-dominant ☐ intermediate ☐ suppressed

Age class: ☐ young ☐ semi-mature ☒ mature ☐ over-mature/senescent Live crown ratio (conifers only): _____%

Pruning history: ☐ crown cleaned ☐ excessively thinned ☐ topped ☐ crown raised ☐ pollarded ☐ crown reduced ☐ flush cuts ☐ cabled/braced ☒ none ☐ multiple pruning events Approximate dates: _____ ☐ unknown

Special Value: ☐ specimen ☐ heritage/historic ☒ wildlife ☐ unusual ☐ street tree ☒ screen ☒ shade ☒ indigenous ☒ protected by government agency

TREE HEALTH

Foliage color: ☒ normal ☐ chlorotic ☐ necrotic

Epicormics? Y (N) Twig Dieback? Y (N)

Foliage density: ☒ normal ☐ sparse

Leaf size: ☒ normal ☐ small

Annual shoot growth: ☐ excellent ☒ average ☐ poor

Woundwood development: ☐ excellent ☒ average ☐ poor ☐ none

Vigor class: ☐ excellent ☒ average ☐ fair ☐ poor

Growth obstructions: ☐ stakes ☐ wire/ties ☐ signs ☐ cables ☐ curb/pavement ☐ guards ☐ other _____

Major pests/diseases: _____

SITE CONDITIONS

Site character: ☒ residence ☐ commercial ☐ industrial ☐ park ☒ open space ☒ natural ☒ woodland/forest

Landscape type: ☐ parkway ☐ raised bed ☐ container ☐ mound ☐ lawn ☒ shrub border ☐ wind break

Irrigation: ☒ none ☐ adequate ☐ inadequate ☐ excessive ☐ trunk wetted Pavement lifted? Y (N)

Recent site disturbance? Y (N) ☐ construction ☐ soil disturbance ☐ grade change ☐ line clearing ☐ site clearing

% dripline paved:	0%	10-25%	25-50%	50-75%	75-100%
% dripline w/fill soil:	0%	10-25%	25-50%	50-75%	75-100%
% dripline grade lowered:	0%	10-25%	25-50%	50-75%	75-100%

Soil problems: ☐ drainage ☐ shallow ☐ compacted ☐ droughty ☐ saline ☐ alkaline ☐ acidic ☐ small volume ☐ disease center ☐ history of failure ☐ clay ☐ expansive ☐ slope _____° aspect _____

Obstructions: ☐ lights ☐ signage ☐ line-of-sight ☐ view ☐ overhead lines ☐ underground utilities ☐ traffic ☐ adjacent vegetation ☐ other _____

Exposure to wind: ☐ single tree ☐ below canopy ☐ above canopy ☐ recently exposed ☐ windward, canopy edge ☐ area prone to windthrow

Prevailing wind direction: _____ Occurrence of snow/ice storms: ☒ never ☐ seldom ☐ regularly

FIELD EVALUATION FORM - PAGE 2 OF 2

Tree Number 42

TARGET

Use Under Tree: ☐ building ☐ parking ☐ traffic ☐ pedestrian ☐ recreation ☒ landscape ☐ hardscape ☐ small features ☐ utility lines **Can target be moved?** Y N **Can use be restricted?** Y N

Occupancy: ☒ occasional use ☐ intermittent use ☐ frequent use ☐ constant use

TREE DEFECTS - Noted as applicable

ROOT DEFECTS: **Suspect root rot?** Y N **Mushroom/conk present?** Y N ID: _____

Exposed roots: ☐ severe ☐ moderate ☐ low **Undermined:** ☐ severe ☐ moderate ☐ low

Root pruned: _____ feet from trunk **Root area affected:** _____% **Buttress wounded?** Y N **When:** _____

Restricted root area: ☐ severe ☐ moderate ☐ low **Potential for root failure:** ☐ severe ☐ moderate ☐ low

LEAN: _____ degrees from vertical ☐ natural ☐ unnatural ☐ self-corrected **Soil heaving?** Y N

Decay in plane of lean? Y N **Roots broken?** Y N **Soil cracking?** Y N **Lean severity:** ☐ severe ☐ moderate ☐ low

Compounding factors: _____

CROWN DEFECTS: S = severe, M = moderate, L = low

DEFECT	ROOT CROWN	TRUNK	SCAFFOLDS	BRANCHES
Poor taper				
Bow, sweep				
Co-dominants, forks				
Multiple attachments				
Included bark				
Excessive end weight				
Cracks/splits				
Hangers				
Girdling				
Wounds/seam				
Decay				
Cavity				
Conks/mushrooms				
Bleeding/sap flow				
Loose/cracked bark				
Nesting hole/bee hive				
Deadwood/stubs				
Borers/termites/ants				
Cankers/galls/burls				
Previous failure		S (codominant trunks/9" respirt)		

RECOMMENDED TREATMENT

Prune: ☐ remove defective part ☐ reduce end weight ☐ crown clean ☐ thin ☐ raise canopy ☐ crown reduce ☐ restructure ☐ shape

Pest control: _____ **Cable/Brace:** _____

Other Activities: ☐ aerate soil ☐ remove fill soil ☐ remove irrigation/planting ☐ remove wire, etc. ☐ fertilize/water

Inspect further: ☐ root crown ☐ decay ☐ aerial ☐ monitor **Remove tree?** Y N **Replace tree?** Y N **Move target:?** Y N **Other:** _____ ☒ no action required at this time

Effect on adjacent trees: ☒ none ☐ evaluate **Notification:** ☒ owner ☐ manager ☒ governing agency Date: See Tree Report

ADDITIONAL COMMENTS

FIELD EVALUATION FORM

Owner: _____ ☐ public ☒ private ☐ unknown ☐ other: _____

Site/Address: _____ Thomas Guide: Page: ____ Coordinate: ____

Date: 05/27/2015 Inspector: TJ Date of last inspection: _____ ☐ not previously inspected

TREE CHARACTERISTICS

Tree #: 43 Species: ☐ *Quercus agrifolia* ☐ *Quercus lobata* ☒ other Quercus berberidifolia

# of trunks: 7 dbH (inches): 2, 4, 3, 4, 2, 4, 4 Height (feet): 20

Compass direction	N	NE	E	SE	S	SW	W	NW
Dripline (feet)	11	12	9	11	6	8	11	9
Clearance to canopy (feet)	15	15	8	15	18	10	10	5

Form: ☒ generally symmetric ☐ minor asymmetry ☐ major asymmetry ☐ stump sprout ☐ stag-headed

Crown class: ☐ dominant ☒ co-dominant ☐ intermediate ☐ suppressed

Age class: ☐ young ☐ semi-mature ☒ mature ☐ over-mature/senescent Live crown ratio (conifers only): _____%

Pruning history: ☐ crown cleaned ☐ excessively thinned ☐ topped ☐ crown raised ☐ pollarded ☐ crown reduced ☐ flush cuts ☐ cabled/braced ☒ none ☐ multiple pruning events Approximate dates: _____ ☐ unknown

Special Value: ☐ specimen ☐ heritage/historic ☒ wildlife ☐ unusual ☐ street tree ☒ screen ☒ shade ☒ indigenous ☒ protected by government agency

TREE HEALTH

Foliage color: ☒ normal ☐ chlorotic ☐ necrotic

Epicormics? Y N Twig Dieback? Y N

Foliage density: ☒ normal ☐ sparse

Leaf size: ☒ normal ☐ small

Annual shoot growth: ☐ excellent ☒ average ☐ poor

Woundwood development: ☐ excellent ☒ average ☐ poor ☐ none

Vigor class: ☐ excellent ☒ average ☐ fair ☐ poor

Growth obstructions: ☐ stakes ☐ wire/ties ☐ signs ☐ cables ☐ curb/pavement ☐ guards ☐ other _____

Major pests/diseases: _____

SITE CONDITIONS

Site character: ☒ residence ☐ commercial ☐ industrial ☐ park ☒ open space ☒ natural ☒ woodland/forest

Landscape type: ☐ parkway ☐ raised bed ☐ container ☐ mound ☐ lawn ☒ shrub border ☐ wind break

Irrigation: ☒ none ☐ adequate ☐ inadequate ☐ excessive ☐ trunk wetted Pavement lifted? Y N

Recent site disturbance? Y N ☐ construction ☐ soil disturbance ☐ grade change ☐ line clearing ☐ site clearing

% dripline paved:	0%	10-25%	25-50%	50-75%	75-100%
% dripline w/fill soil:	0%	10-25%	25-50%	50-75%	75-100%
% dripline grade lowered:	0%	10-25%	25-50%	50-75%	75-100%

Soil problems: ☐ drainage ☐ shallow ☐ compacted ☐ droughty ☐ saline ☐ alkaline ☐ acidic ☐ small volume ☐ disease center ☐ history of failure ☐ clay ☐ expansive ☐ slope _____° aspect _____

Obstructions: ☐ lights ☐ signage ☐ line-of-sight ☐ view ☐ overhead lines ☐ underground utilities ☐ traffic ☐ adjacent vegetation ☐ other _____

Exposure to wind: ☐ single tree ☒ below canopy ☐ above canopy ☐ recently exposed ☐ windward, canopy edge ☐ area prone to windthrow

Prevailing wind direction: _____ Occurrence of snow/ice storms: ☒ never ☐ seldom ☐ regularly

FIELD EVALUATION FORM - PAGE 2 OF 2 Tree Number 43

TARGET

Use Under Tree: ☐ building ☐ parking ☐ traffic ☐ pedestrian ☐ recreation ☒ landscape ☐ hardscape ☐ small features ☐ utility lines **Can target be moved?** Y N **Can use be restricted?** Y N

Occupancy: ☒ occasional use ☐ intermittent use ☐ frequent use ☐ constant use

TREE DEFECTS - Noted as applicable

ROOT DEFECTS: **Suspect root rot?** Y N **Mushroom/conk present?** Y N **ID:** _____

Exposed roots: ☐ severe ☐ moderate ☐ low **Undermined:** ☐ severe ☐ moderate ☐ low

Root pruned: _____ feet from trunk **Root area affected:** _____% **Buttress wounded?** Y N **When:** _____

Restricted root area: ☐ severe ☐ moderate ☐ low **Potential for root failure:** ☐ severe ☐ moderate ☐ low

LEAN: _____ degrees from vertical ☐ natural ☐ unnatural ☐ self-corrected **Soil heaving?** Y N

Decay in plane of lean? Y N **Roots broken?** Y N **Soil cracking?** Y N **Lean severity:** ☐ severe ☐ moderate ☐ low

Compounding factors: _____

CROWN DEFECTS: S = severe, M = moderate, L = low

DEFECT	ROOT CROWN	TRUNK	SCAFFOLDS	BRANCHES
Poor taper				
Bow, sweep				
Co-dominants, forks	M	M		
Multiple attachments				
Included bark				
Excessive end weight				
Cracks/splits				
Hangers				
Girdling				
Wounds/seam				
Decay				
Cavity				
Conks/mushrooms				
Bleeding/sap flow				
Loose/cracked bark				
Nesting hole/bee hive				
Deadwood/stubs				
Borers/termites/ants				
Cankers/galls/burls				
Previous failure				

RECOMMENDED TREATMENT

Prune: ☐ remove defective part ☐ reduce end weight ☐ crown clean ☐ thin ☐ raise canopy ☐ crown reduce ☐ restructure ☐ shape

Pest control: _____ **Cable/Brace:** _____

Other Activities: ☐ aerate soil ☐ remove fill soil ☐ remove irrigation/planting ☐ remove wire, etc. ☐ fertilize/water

Inspect further: ☐ root crown ☐ decay ☐ aerial ☐ monitor **Remove tree?** Y N **Replace tree?** Y N **Move target:?** Y N **Other:** _____ ☒ no action required at this time

Effect on adjacent trees: ☒ none ☐ evaluate **Notification:** ☒ owner ☐ manager ☒ governing agency Date: See Tree Report

ADDITIONAL COMMENTS

FIELD EVALUATION FORM

Owner: _____ ☐ public ☒ private ☐ unknown ☐ other: _____

Site/Address: _____ Thomas Guide: Page: ____ Coordinate: ____

Date: 05/27/2015 Inspector: TJ Date of last inspection: _____ ☐ not previously inspected

TREE CHARACTERISTICS

Tree #: 47 Species: ☐ *Quercus agrifolia* ☐ *Quercus lobata* ☒ other Quercus berberidifolia

# of trunks: 2 dbH (inches): 5, 3 Height (feet): 15

Compass direction	N	NE	E	SE	S	SW	W	NW
Dripline (feet)	11	10	4	8	5	7	6	8
Clearance to canopy (feet)	10	7	8	8	3	10	10	10

Form: ☐ generally symmetric ☒ minor asymmetry ☐ major asymmetry ☐ stump sprout ☐ stag-headed

Crown class: ☐ dominant ☒ co-dominant ☐ intermediate ☐ suppressed

Age class: ☐ young ☐ semi-mature ☒ mature ☐ over-mature/senescent Live crown ratio (conifers only): _____%

Pruning history: ☐ crown cleaned ☐ excessively thinned ☐ topped ☐ crown raised ☐ pollarded ☐ crown reduced ☐ flush cuts ☐ cabled/braced ☒ none ☐ multiple pruning events Approximate dates: _____ ☐ unknown

Special Value: ☐ specimen ☐ heritage/historic ☒ wildlife ☐ unusual ☐ street tree ☒ screen ☒ shade ☒ indigenous ☒ protected by government agency

TREE HEALTH

Foliage color: ☒ normal ☐ chlorotic ☐ necrotic

Epicormics? Y (N) Twig Dieback? Y (N)

Foliage density: ☒ normal ☐ sparse

Leaf size: ☒ normal ☐ small

Annual shoot growth: ☐ excellent ☒ average ☐ poor

Woundwood development: ☐ excellent ☒ average ☐ poor ☐ none

Vigor class: ☐ excellent ☒ average ☐ fair ☐ poor

Growth obstructions: ☐ stakes ☐ wire/ties ☐ signs ☐ cables ☐ curb/pavement ☐ guards ☐ other _____

Major pests/diseases: _____

SITE CONDITIONS

Site character: ☒ residence ☐ commercial ☐ industrial ☐ park ☒ open space ☒ natural ☒ woodland/forest

Landscape type: ☐ parkway ☐ raised bed ☐ container ☐ mound ☐ lawn ☒ shrub border ☐ wind break

Irrigation: ☒ none ☐ adequate ☐ inadequate ☐ excessive ☐ trunk wetted Pavement lifted? Y (N)

Recent site disturbance? Y (N) ☐ construction ☐ soil disturbance ☐ grade change ☐ line clearing ☐ site clearing

% dripline paved:	0%	10-25%	25-50%	50-75%	75-100%
% dripline w/fill soil:	0%	10-25%	25-50%	50-75%	75-100%
% dripline grade lowered:	0%	10-25%	25-50%	50-75%	75-100%

Soil problems: ☐ drainage ☐ shallow ☐ compacted ☐ droughty ☐ saline ☐ alkaline ☐ acidic ☐ small volume ☐ disease center ☐ history of failure ☐ clay ☐ expansive ☐ slope _____° aspect _____

Obstructions: ☐ lights ☐ signage ☐ line-of-sight ☐ view ☐ overhead lines ☐ underground utilities ☐ traffic ☐ adjacent vegetation ☐ other _____

Exposure to wind: ☒ single tree ☐ below canopy ☐ above canopy ☐ recently exposed ☐ windward, canopy edge ☐ area prone to windthrow

Prevailing wind direction: _____ Occurrence of snow/ice storms: ☒ never ☐ seldom ☐ regularly

FIELD EVALUATION FORM - PAGE 2 OF 2

Tree Number 44

TARGET

Use Under Tree: ☐ building ☐ parking ☐ traffic ☐ pedestrian ☐ recreation ☒ landscape ☐ hardscape ☐ small features ☐ utility lines **Can target be moved?** Y N **Can use be restricted?** Y N

Occupancy: ☒ occasional use ☐ intermittent use ☐ frequent use ☐ constant use

TREE DEFECTS - Noted as applicable

ROOT DEFECTS: **Suspect root rot?** Y N **Mushroom/conk present?** Y N **ID:** _____

Exposed roots: ☐ severe ☐ moderate ☐ low **Undermined:** ☐ severe ☐ moderate ☐ low

Root pruned: _____ feet from trunk **Root area affected:** _____% **Buttress wounded?** Y N **When:** _____

Restricted root area: ☐ severe ☐ moderate ☐ low **Potential for root failure:** ☐ severe ☐ moderate ☐ low

LEAN: _____ degrees from vertical ☐ natural ☐ unnatural ☐ self-corrected **Soil heaving?** Y N

Decay in plane of lean? Y N **Roots broken?** Y N **Soil cracking?** Y N **Lean severity:** ☐ severe ☐ moderate ☐ low

Compounding factors: _____

CROWN DEFECTS: S = severe, M = moderate, L = low

DEFECT	ROOT CROWN	TRUNK	SCAFFOLDS	BRANCHES
Poor taper				
Bow, sweep				
Co-dominants, forks				
Multiple attachments				
Included bark				
Excessive end weight				
Cracks/splits				
Hangers				
Girdling				
Wounds/seam				
Decay				
Cavity				
Conks/mushrooms				
Bleeding/sap flow				
Loose/cracked bark				
Nesting hole/bee hive				
Deadwood/stubs			M	M
Borers/termites/ants				
Cankers/galls/burls				
Previous failure				

RECOMMENDED TREATMENT

Prune: ☐ remove defective part ☐ reduce end weight ☐ crown clean ☐ thin ☐ raise canopy ☐ crown reduce ☐ restructure ☐ shape

Pest control: _____ **Cable/Brace:** _____

Other Activities: ☐ aerate soil ☐ remove fill soil ☐ remove irrigation/planting ☐ remove wire, etc. ☐ fertilize/water

Inspect further: ☐ root crown ☐ decay ☐ aerial ☐ monitor **Remove tree?** Y N **Replace tree?** Y N **Move target:?** Y N **Other:** _____ ☒ no action required at this time

Effect on adjacent trees: ☒ none ☐ evaluate **Notification:** ☒ owner ☐ manager ☒ governing agency Date: See Tree Report

ADDITIONAL COMMENTS

FIELD EVALUATION FORM

Owner: _____ ☐ public ☒ private ☐ unknown ☐ other: _____

Site/Address: _____ Thomas Guide: Page: ____ Coordinate: ____

Date: 05/26/2015 Inspector: TJ Date of last inspection: _____ ☐ not previously inspected

TREE CHARACTERISTICS

Tree #: 45 Species: ☒ *Quercus agrifolia* ☐ *Quercus lobata* ☐ other _____

# of trunks: 2 dbH (inches): 1, 1 Height (feet): 10

Compass direction	N	NE	E	SE	S	SW	W	NW
Dripline (feet)	5	6	6	6	4	0	5	6
Clearance to canopy (feet)	8	8	5	8	4	0	6	8

Form: ☒ generally symmetric ☐ minor asymmetry ☐ major asymmetry ☐ stump sprout ☐ stag-headed

Crown class: ☐ dominant ☐ co-dominant ☒ intermediate ☐ suppressed

Age class: ☒ young ☐ semi-mature ☐ mature ☐ over-mature/senescent Live crown ratio (conifers only): _____%

Pruning history: ☐ crown cleaned ☐ excessively thinned ☐ topped ☐ crown raised ☐ pollarded ☐ crown reduced ☐ flush cuts ☐ cabled/braced ☒ none ☐ multiple pruning events Approximate dates: _____ ☐ unknown

Special Value: ☐ specimen ☐ heritage/historic ☒ wildlife ☐ unusual ☐ street tree ☐ screen ☐ shade ☒ indigenous ☒ protected by government agency

TREE HEALTH

Foliage color: ☒ normal ☐ chlorotic ☐ necrotic

Epicormics? Y (N) Twig Dieback? Y (N)

Foliage density: ☒ normal ☐ sparse

Leaf size: ☒ normal ☐ small

Annual shoot growth: ☐ excellent ☒ average ☐ poor

Woundwood development: ☐ excellent ☒ average ☐ poor ☐ none

Vigor class: ☐ excellent ☒ average ☐ fair ☐ poor

Growth obstructions: ☐ stakes ☐ wire/ties ☐ signs ☐ cables ☐ curb/pavement ☐ guards ☐ other _____

Major pests/diseases: _____

SITE CONDITIONS

Site character: ☒ residence ☐ commercial ☐ industrial ☐ park ☒ open space ☒ natural ☒ woodland/forest

Landscape type: ☐ parkway ☐ raised bed ☐ container ☐ mound ☐ lawn ☒ shrub border ☐ wind break

Irrigation: ☒ none ☐ adequate ☐ inadequate ☐ excessive ☐ trunk wetted Pavement lifted? Y (N)

Recent site disturbance? Y (N) ☐ construction ☐ soil disturbance ☐ grade change ☐ line clearing ☐ site clearing

% dripline paved:	0%	10-25%	25-50%	50-75%	75-100%
% dripline w/fill soil:	0%	10-25%	25-50%	50-75%	75-100%
% dripline grade lowered:	0%	10-25%	25-50%	50-75%	75-100%

Soil problems: ☐ drainage ☐ shallow ☐ compacted ☐ droughty ☐ saline ☐ alkaline ☐ acidic ☐ small volume ☐ disease center ☐ history of failure ☐ clay ☐ expansive ☐ slope _____° aspect _____

Obstructions: ☐ lights ☐ signage ☐ line-of-sight ☐ view ☐ overhead lines ☐ underground utilities ☐ traffic ☐ adjacent vegetation ☐ other _____

Exposure to wind: ☐ single tree ☒ below canopy ☐ above canopy ☐ recently exposed ☐ windward, canopy edge ☐ area prone to windthrow

Prevailing wind direction: _____ Occurrence of snow/ice storms: ☒ never ☐ seldom ☐ regularly

FIELD EVALUATION FORM - PAGE 2 OF 2 Tree Number 45

TARGET

Use Under Tree: ☐ building ☐ parking ☐ traffic ☐ pedestrian ☐ recreation ☒ landscape ☐ hardscape ☐ small features ☐ utility lines **Can target be moved?** Y ☒ **Can use be restricted?** ☒ N

Occupancy: ☒ occasional use ☐ intermittent use ☐ frequent use ☐ constant use

TREE DEFECTS - Noted as applicable

ROOT DEFECTS: **Suspect root rot?** Y (N) **Mushroom/conk present?** Y (N) **ID:** _____

Exposed roots: ☐ severe ☐ moderate ☐ low **Undermined:** ☐ severe ☐ moderate ☐ low

Root pruned: _____ feet from trunk **Root area affected:** _____% **Buttress wounded?** Y N **When:** _____

Restricted root area: ☐ severe ☐ moderate ☐ low **Potential for root failure:** ☐ severe ☐ moderate ☐ low

LEAN: _____ degrees from vertical ☐ natural ☐ unnatural ☐ self-corrected **Soil heaving?** Y N

Decay in plane of lean? Y N **Roots broken?** Y N **Soil cracking?** Y N **Lean severity:** ☐ severe ☐ moderate ☐ low

Compounding factors: _____

CROWN DEFECTS: S = severe, M = moderate, L = low

DEFECT	ROOT CROWN	TRUNK	SCAFFOLDS	BRANCHES
Poor taper				
Bow, sweep				
Co-dominants, forks				
Multiple attachments				
Included bark				
Excessive end weight				
Cracks/splits				
Hangers				
Girdling				
Wounds/seam				
Decay				
Cavity				
Conks/mushrooms				
Bleeding/sap flow				
Loose/cracked bark				
Nesting hole/bee hive				
Deadwood/stubs				
Borers/termites/ants				
Cankers/galls/burls				
Previous failure				

RECOMMENDED TREATMENT

Prune: ☐ remove defective part ☐ reduce end weight ☐ crown clean ☐ thin ☐ raise canopy ☐ crown reduce ☐ restructure ☐ shape

Pest control: _____ **Cable/Brace:** _____

Other Activities: ☐ aerate soil ☐ remove fill soil ☐ remove irrigation/planting ☐ remove wire, etc. ☐ fertilize/water

Inspect further: ☐ root crown ☐ decay ☐ aerial ☐ monitor **Remove tree?** Y ☒ **Replace tree?** Y ☒ **Move target:?** Y ☒ **Other:** _____ ☒ no action required at this time

Effect on adjacent trees: ☒ none ☐ evaluate **Notification:** ☒ owner ☐ manager ☒ governing agency Date: See Tree Report

ADDITIONAL COMMENTS

FIELD EVALUATION FORM

Owner: _____ ☐ public ☒ private ☐ unknown ☐ other: _____

Site/Address: _____ Thomas Guide: Page: ____ Coordinate: ____

Date: 05/27/2015 Inspector: TJ Date of last inspection: _____ ☐ not previously inspected

TREE CHARACTERISTICS

Tree #: 46 Species: ☒ *Quercus agrifolia* ☐ *Quercus lobata* ☐ other _____

# of trunks: 1 dbH (inches): 3 Height (feet): 12

Compass direction	N	NE	E	SE	S	SW	W	NW
Dripline (feet)	9	8	8	8	8	8	8	8
Clearance to canopy (feet)	12	10	8	8	8	8	8	12

Form: ☐ generally symmetric ☒ minor asymmetry ☐ major asymmetry ☐ stump sprout ☐ stag-headed

Crown class: ☐ dominant ☐ co-dominant ☒ intermediate ☐ suppressed

Age class: ☒ young ☐ semi-mature ☐ mature ☐ over-mature/senescent Live crown ratio (conifers only): _____%

Pruning history: ☐ crown cleaned ☐ excessively thinned ☐ topped ☐ crown raised ☐ pollarded ☐ crown reduced ☐ flush cuts ☐ cabled/braced ☒ none ☐ multiple pruning events Approximate dates: _____ ☐ unknown

Special Value: ☐ specimen ☐ heritage/historic ☒ wildlife ☐ unusual ☐ street tree ☐ screen ☐ shade ☒ indigenous ☒ protected by government agency

TREE HEALTH

Foliage color: ☒ normal ☐ chlorotic ☐ necrotic

Epicormics? Y N Twig Dieback? Y N

Foliage density: ☐ normal ☒ sparse

Leaf size: ☒ normal ☐ small

Annual shoot growth: ☐ excellent ☒ average ☐ poor

Woundwood development: ☐ excellent ☒ average ☐ poor ☐ none

Vigor class: ☐ excellent ☒ average ☒ fair ☐ poor

Growth obstructions: ☐ stakes ☐ wire/ties ☐ signs ☐ cables ☐ curb/pavement ☐ guards ☐ other _____

Major pests/diseases: _____

SITE CONDITIONS

Site character: ☒ residence ☐ commercial ☐ industrial ☐ park ☒ open space ☒ natural ☐ ☒ woodland/forest

Landscape type: ☐ parkway ☐ raised bed ☐ container ☐ mound ☐ lawn ☒ shrub border ☐ wind break

Irrigation: ☒ none ☐ adequate ☐ inadequate ☐ excessive ☐ trunk wetted Pavement lifted? Y N

Recent site disturbance? Y N ☐ construction ☐ soil disturbance ☐ grade change ☐ line clearing ☐ site clearing

% dripline paved:	0%	10-25%	25-50%	50-75%	75-100%
% dripline w/fill soil:	0%	10-25%	25-50%	50-75%	75-100%
% dripline grade lowered:	0%	10-25%	25-50%	50-75%	75-100%

Soil problems: ☐ drainage ☐ shallow ☐ compacted ☐ droughty ☐ saline ☐ alkaline ☐ acidic ☐ small volume ☐ disease center ☐ history of failure ☐ clay ☐ expansive ☐ slope _____° aspect _____

Obstructions: ☐ lights ☐ signage ☐ line-of-sight ☐ view ☐ overhead lines ☐ underground utilities ☐ traffic ☐ adjacent vegetation ☐ other _____

Exposure to wind: ☐ single tree ☒ below canopy ☐ above canopy ☐ recently exposed ☐ windward, canopy edge ☐ area prone to windthrow

Prevailing wind direction: _____ Occurrence of snow/ice storms: ☒ never ☐ seldom ☐ regularly

FIELD EVALUATION FORM - PAGE 2 OF 2 Tree Number 46

TARGET

Use Under Tree: ☐ building ☐ parking ☐ traffic ☐ pedestrian ☐ recreation ☒ landscape ☐ hardscape ☐ small features ☐ utility lines **Can target be moved?** Y N **Can use be restricted?** Y N

Occupancy: ☒ occasional use ☐ intermittent use ☐ frequent use ☐ constant use

TREE DEFECTS - Noted as applicable

ROOT DEFECTS: **Suspect root rot?** Y N **Mushroom/conk present?** Y N **ID:** _____

Exposed roots: ☐ severe ☐ moderate ☐ low **Undermined:** ☐ severe ☐ moderate ☐ low

Root pruned: _____ feet from trunk **Root area affected:** _____% **Buttress wounded?** Y N **When:** _____

Restricted root area: ☐ severe ☐ moderate ☐ low **Potential for root failure:** ☐ severe ☐ moderate ☐ low

LEAN: _____ degrees from vertical ☐ natural ☐ unnatural ☐ self-corrected **Soil heaving?** Y N

Decay in plane of lean? Y N **Roots broken?** Y N **Soil cracking?** Y N **Lean severity:** ☐ severe ☐ moderate ☐ low

Compounding factors: _____

CROWN DEFECTS: S = severe, M = moderate, L = low

DEFECT	ROOT CROWN	TRUNK	SCAFFOLDS	BRANCHES
Poor taper				
Bow, sweep				
Co-dominants, forks				
Multiple attachments				
Included bark				
Excessive end weight				
Cracks/splits				
Hangers				
Girdling				
Wounds/seam				
Decay				
Cavity				
Conks/mushrooms				
Bleeding/sap flow				
Loose/cracked bark				
Nesting hole/bee hive				
Deadwood/stubs				
Borers/termites/ants				
Cankers/galls/burls				
Previous failure				

RECOMMENDED TREATMENT

Prune: ☐ remove defective part ☐ reduce end weight ☐ crown clean ☐ thin ☐ raise canopy ☐ crown reduce ☐ restructure ☐ shape

Pest control: _____ **Cable/Brace:** _____

Other Activities: ☐ aerate soil ☐ remove fill soil ☐ remove irrigation/planting ☐ remove wire, etc. ☐ fertilize/water

Inspect further: ☐ root crown ☐ decay ☐ aerial ☐ monitor **Remove tree?** Y N **Replace tree?** Y N **Move target:?** Y N **Other:** _____ ☒ no action required at this time

Effect on adjacent trees: ☒ none ☐ evaluate **Notification:** ☒ owner ☐ manager ☒ governing agency Date: See Tree Report

ADDITIONAL COMMENTS

FIELD EVALUATION FORM

Owner: _____ ☐ public ☒ private ☐ unknown ☐ other: _____

Site/Address: _____ Thomas Guide: Page: ____ Coordinate: ____

Date: 05/29/2015 Inspector: TJ Date of last inspection: _____ ☐ not previously inspected

TREE CHARACTERISTICS

Tree #: 457 Species: ☒ *Quercus agrifolia* ☐ *Quercus lobata* ☐ other _____

# of trunks: 1 dbH (inches): 28 Height (feet): 70

Compass direction	N	NE	E	SE	S	SW	W	NW
Dripline (feet)	25	28	41	35	25	28	24	31
Clearance to canopy (feet)	20	25	10	30	60	30	70	25

Form: ☒ generally symmetric ☐ minor asymmetry ☐ major asymmetry ☐ stump sprout ☐ stag-headed

Crown class: ☒ dominant ☐ co-dominant ☐ intermediate ☐ suppressed

Age class: ☐ young ☐ semi-mature ☒ mature ☐ over-mature/senescent Live crown ratio (conifers only): _____%

Pruning history: ☐ crown cleaned ☐ excessively thinned ☐ topped ☐ crown raised ☐ pollarded ☐ crown reduced ☐ flush cuts ☐ cabled/braced ☒ none ☐ multiple pruning events Approximate dates: _____ ☐ unknown

Special Value: ☒ specimen ☒ heritage/historic ☒ wildlife ☐ unusual ☐ street tree ☒ screen ☒ shade ☒ indigenous ☒ protected by government agency

TREE HEALTH

Foliage color: ☒ normal ☐ chlorotic ☐ necrotic

Epicormics? Y ☒ Twig Dieback? Y (N)

Foliage density: ☒ normal ☐ sparse

Leaf size: ☒ normal ☐ small

Annual shoot growth: ☐ excellent ☒ average ☐ poor

Woundwood development: ☐ excellent ☒ average ☐ poor ☐ none

Vigor class: ☐ excellent ☒ average ☐ fair ☐ poor

Growth obstructions: ☐ stakes ☐ wire/ties ☐ signs ☐ cables ☐ curb/pavement ☐ guards ☐ other _____

Major pests/diseases: _____

SITE CONDITIONS

Site character: ☒ residence ☐ commercial ☐ industrial ☐ park ☒ open space ☒ natural ☒ woodland/forest

Landscape type: ☐ parkway ☐ raised bed ☐ container ☐ mound ☐ lawn ☒ shrub border ☐ wind break

Irrigation: ☒ none ☐ adequate ☐ inadequate ☐ excessive ☐ trunk wetted Pavement lifted? Y (N)

Recent site disturbance? Y (N) ☐ construction ☐ soil disturbance ☐ grade change ☐ line clearing ☐ site clearing

% dripline paved: 0% 10-25% 25-50% 50-75% 75-100%

% dripline w/fill soil: 0% 10-25% 25-50% 50-75% 75-100%

% dripline grade lowered: 0% 10-25% 25-50% 50-75% 75-100%

Soil problems: ☐ drainage ☐ shallow ☐ compacted ☐ droughty ☐ saline ☐ alkaline ☐ acidic ☐ small volume ☐ disease center ☐ history of failure ☐ clay ☐ expansive ☐ slope _____° aspect _____

Obstructions: ☐ lights ☐ signage ☐ line-of-sight ☐ view ☐ overhead lines ☐ underground utilities ☐ traffic ☐ adjacent vegetation ☐ other _____

Exposure to wind: ☐ single tree ☐ below canopy ☒ above canopy ☐ recently exposed ☐ windward, canopy edge ☐ area prone to windthrow

Prevailing wind direction: _____ Occurrence of snow/ice storms: ☒ never ☐ seldom ☐ regularly

FIELD EVALUATION FORM - PAGE 2 OF 2 Tree Number 47

TARGET

Use Under Tree: ☐ building ☐ parking ☐ traffic ☐ pedestrian ☐ recreation ☒ landscape ☐ hardscape ☐ small features ☐ utility lines **Can target be moved?** Y N **Can use be restricted?** Y N

Occupancy: ☐ occasional use ☐ intermittent use ☐ frequent use ☐ constant use

TREE DEFECTS - Noted as applicable

ROOT DEFECTS: **Suspect root rot?** Y N **Mushroom/conk present?** Y N **ID:** _____

Exposed roots: ☐ severe ☐ moderate ☐ low **Undermined:** ☐ severe ☐ moderate ☐ low

Root pruned: _____ feet from trunk **Root area affected:** _____% **Buttress wounded?** Y N **When:** _____

Restricted root area: ☐ severe ☐ moderate ☐ low **Potential for root failure:** ☐ severe ☐ moderate ☐ low

LEAN: _____ degrees from vertical ☐ natural ☐ unnatural ☐ self-corrected **Soil heaving?** Y N

Decay in plane of lean? Y N **Roots broken?** Y N **Soil cracking?** Y N **Lean severity:** ☐ severe ☐ moderate ☐ low

Compounding factors: _____

CROWN DEFECTS: S = severe, M = moderate, L = low

DEFECT	ROOT CROWN	TRUNK	SCAFFOLDS	BRANCHES
Poor taper				
Bow, sweep				
Co-dominants, forks				
Multiple attachments				
Included bark				
Excessive end weight				
Cracks/splits				
Hangers				
Girdling				
Wounds/seam				
Decay				
Cavity				
Conks/mushrooms				
Bleeding/sap flow				
Loose/cracked bark				
Nesting hole/bee hive				
Deadwood/stubs			L	L
Borers/termites/ants				
Cankers/galls/burls				
Previous failure				

RECOMMENDED TREATMENT

Prune: ☐ remove defective part ☐ reduce end weight ☐ crown clean ☐ thin ☐ raise canopy ☐ crown reduce ☐ restructure ☐ shape

Pest control: _____ **Cable/Brace:** _____

Other Activities: ☐ aerate soil ☐ remove fill soil ☐ remove irrigation/planting ☐ remove wire, etc. ☐ fertilize/water

Inspect further: ☐ root crown ☐ decay ☐ aerial ☐ monitor **Remove tree?** Y N **Replace tree?** Y N **Move target:?** Y N **Other:** _____ ☒ no action required at this time

Effect on adjacent trees: ☒ none ☐ evaluate **Notification:** ☒ owner ☐ manager ☒ governing agency Date: See Tree Report

ADDITIONAL COMMENTS

FIELD EVALUATION FORM

Owner: _____ ☐ public ☒ private ☐ unknown ☐ other: _____

Site/Address: _____ Thomas Guide: Page: ____ Coordinate: ____

Date: 05/27/2015 Inspector: TJ Date of last inspection: _____ ☐ not previously inspected

TREE CHARACTERISTICS

Tree #: 48 Species: ☐ *Quercus agrifolia* ☐ *Quercus lobata* ☐ other _____

# of trunks: 1 dbH (inches): 10 Height (feet): 20

Compass direction	N	NE	E	SE	S	SW	W	NW
Dripline (feet)	21	19	0	0	0	4	8	0
Clearance to canopy (feet)	12	15	0	0	0	9	8	0

Form: ☐ generally symmetric ☐ minor asymmetry ☒ major asymmetry ☐ stump sprout ☐ stag-headed

Crown class: ☐ dominant ☐ co-dominant ☒ intermediate ☐ suppressed

Age class: ☐ young ☐ semi-mature ☒ mature ☐ over-mature/senescent Live crown ratio (conifers only): _____%

Pruning history: ☐ crown cleaned ☐ excessively thinned ☐ topped ☐ crown raised ☐ pollarded ☐ crown reduced ☐ flush cuts ☐ cabled/braced ☒ none ☐ multiple pruning events Approximate dates: _____ ☐ unknown

Special Value: ☐ specimen ☐ heritage/historic ☒ wildlife ☐ unusual ☐ street tree ☒ screen ☒ shade ☒ indigenous ☒ protected by government agency

TREE HEALTH

Foliage color: ☒ normal ☐ chlorotic ☐ necrotic

Epicormics? Y N Twig Dieback? Y N

Foliage density: ☒ normal ☐ sparse

Leaf size: ☒ normal ☐ small

Annual shoot growth: ☐ excellent ☒ average ☐ poor

Woundwood development: ☐ excellent ☒ average ☐ poor ☐ none

Vigor class: ☐ excellent ☒ average ☐ fair ☐ poor

Growth obstructions: ☐ stakes ☐ wire/ties ☐ signs ☐ cables ☐ curb/pavement ☐ guards ☐ other _____

Major pests/diseases: _____

SITE CONDITIONS

Site character: ☒ residence ☐ commercial ☐ industrial ☐ park ☒ open space ☒ natural ☒ woodland/forest

Landscape type: ☐ parkway ☐ raised bed ☐ container ☐ mound ☐ lawn ☒ shrub border ☐ wind break

Irrigation: ☒ none ☐ adequate ☐ inadequate ☐ excessive ☐ trunk wetted Pavement lifted? Y N

Recent site disturbance? Y N ☐ construction ☐ soil disturbance ☐ grade change ☐ line clearing ☐ site clearing

% dripline paved:	0%	10-25%	25-50%	50-75%	75-100%
% dripline w/fill soil:	0%	10-25%	25-50%	50-75%	75-100%
% dripline grade lowered:	0%	10-25%	25-50%	50-75%	75-100%

Soil problems: ☐ drainage ☐ shallow ☐ compacted ☐ droughty ☐ saline ☐ alkaline ☐ acidic ☐ small volume ☐ disease center ☐ history of failure ☐ clay ☐ expansive ☐ slope _____° aspect _____

Obstructions: ☐ lights ☐ signage ☐ line-of-sight ☐ view ☐ overhead lines ☐ underground utilities ☐ traffic ☐ adjacent vegetation ☐ other _____

Exposure to wind: ☐ single tree ☒ below canopy ☐ above canopy ☐ recently exposed ☐ windward, canopy edge ☐ area prone to windthrow

Prevailing wind direction: _____ Occurrence of snow/ice storms: ☒ never ☐ seldom ☐ regularly

FIELD EVALUATION FORM - PAGE 2 OF 2 Tree Number 48

TARGET

Use Under Tree: ☐ building ☐ parking ☐ traffic ☐ pedestrian ☐ recreation ☒ landscape ☐ hardscape ☐ small features ☐ utility lines **Can target be moved?** Y N **Can use be restricted?** Y N

Occupancy: ☒ occasional use ☐ intermittent use ☐ frequent use ☐ constant use

TREE DEFECTS - Noted as applicable

ROOT DEFECTS: **Suspect root rot?** Y N **Mushroom/conk present?** Y N **ID:** _____

Exposed roots: ☐ severe ☐ moderate ☐ low **Undermined:** ☐ severe ☐ moderate ☐ low

Root pruned: _____ feet from trunk **Root area affected:** _____% **Buttress wounded?** Y N **When:** _____

Restricted root area: ☐ severe ☐ moderate ☐ low **Potential for root failure:** ☐ severe ☐ moderate ☐ low

LEAN: _____ degrees from vertical ☐ natural ☐ unnatural ☐ self-corrected **Soil heaving?** Y N

Decay in plane of lean? Y N **Roots broken?** Y N **Soil cracking?** Y N **Lean severity:** ☐ severe ☐ moderate ☐ low

Compounding factors: _____

CROWN DEFECTS: S = severe, M = moderate, L = low

DEFECT	ROOT CROWN	TRUNK	SCAFFOLDS	BRANCHES
Poor taper				
Bow, sweep		S	M	
Co-dominants, forks				
Multiple attachments				
Included bark				
Excessive end weight				
Cracks/splits				
Hangers				
Girdling				
Wounds/seam				
Decay				
Cavity	M			
Conks/mushrooms				
Bleeding/sap flow				
Loose/cracked bark				
Nesting hole/bee hive				
Deadwood/stubs				
Borers/termites/ants				
Cankers/galls/burls				
Previous failure				

RECOMMENDED TREATMENT

Prune: ☐ remove defective part ☐ reduce end weight ☐ crown clean ☐ thin ☐ raise canopy ☐ crown reduce ☐ restructure ☐ shape

Pest control: _____ **Cable/Brace:** _____

Other Activities: ☐ aerate soil ☐ remove fill soil ☐ remove irrigation/planting ☐ remove wire, etc. ☐ fertilize/water

Inspect further: ☐ root crown ☐ decay ☐ aerial ☐ monitor **Remove tree?** Y N **Replace tree?** Y N **Move target:?** Y N **Other:** ☒ no action required at this time

Effect on adjacent trees: ☒ none ☐ evaluate **Notification:** ☒ owner ☐ manager ☒ governing agency Date: See Tree Report

ADDITIONAL COMMENTS

FIELD EVALUATION FORM

Owner: _____ ☐ public ☐ private ☐ unknown ☐ other: _____

Site/Address: _____ Thomas Guide: Page: ____ Coordinate: ____

Date: 05/27/2015 Inspector: TJ Date of last inspection: _____ ☐ not previously inspected

TREE CHARACTERISTICS

Tree #: 49 Species: ☒ *Quercus agrifolia* ☐ *Quercus lobata* ☐ other _____

# of trunks: 3 dbH (inches): 18@2', 16@2' 38 Height (feet): 70

Compass direction	N	NE	E	SE	S	SW	W	NW
Dripline (feet)	40	31	35	43	41	27	37	41
Clearance to canopy (feet)	50	15	40	50	50	50	45	50

Form: ☒ generally symmetric ☐ minor asymmetry ☐ major asymmetry ☐ stump sprout ☐ stag-headed

Crown class: ☒ dominant ☐ co-dominant ☐ intermediate ☐ suppressed

Age class: ☐ young ☐ semi-mature ☒ mature ☐ over-mature/senescent Live crown ratio (conifers only): _____%

Pruning history: ☐ crown cleaned ☐ excessively thinned ☐ topped ☐ crown raised ☐ pollarded ☐ crown reduced ☐ flush cuts ☐ cabled/braced ☒ none ☐ multiple pruning events Approximate dates: _____ ☐ unknown

Special Value: ☒ specimen ☒ heritage/historic ☒ wildlife ☐ unusual ☐ street tree ☒ screen ☒ shade ☒ indigenous ☒ protected by government agency

TREE HEALTH

Foliage color: ☒ normal ☐ chlorotic ☐ necrotic

Epicormics? Y N Twig Dieback? Y N

Foliage density: ☒ normal ☐ sparse

Leaf size: ☒ normal ☐ small

Annual shoot growth: ☐ excellent ☒ average ☐ poor

Woundwood development: ☐ excellent ☒ average ☐ poor ☐ none

Vigor class: ☒ excellent ☐ average ☐ fair ☐ poor

Growth obstructions: ☐ stakes ☐ wire/ties ☐ signs ☐ cables ☐ curb/pavement ☐ guards ☐ other _____

Major pests/diseases: _____

SITE CONDITIONS

Site character: ☒ residence ☐ commercial ☐ industrial ☐ park ☒ open space ☒ natural ☒ woodland/forest

Landscape type: ☐ parkway ☐ raised bed ☐ container ☐ mound ☐ lawn ☒ shrub border ☐ wind break

Irrigation: ☒ none ☐ adequate ☐ inadequate ☐ excessive ☐ trunk wetted Pavement lifted? Y N

Recent site disturbance? Y N ☐ construction ☐ soil disturbance ☐ grade change ☐ line clearing ☐ site clearing

% dripline paved: 0% 10-25% 25-50% 50-75% 75-100%

% dripline w/fill soil: 0% 10-25% 25-50% 50-75% 75-100%

% dripline grade lowered: 0% 10-25% 25-50% 50-75% 75-100%

Soil problems: ☐ drainage ☐ shallow ☐ compacted ☐ droughty ☐ saline ☐ alkaline ☐ acidic ☐ small volume ☐ disease center ☐ history of failure ☐ clay ☐ expansive ☐ slope _____° aspect _____

Obstructions: ☐ lights ☐ signage ☐ line-of-sight ☐ view ☐ overhead lines ☐ underground utilities ☐ traffic ☐ adjacent vegetation ☐ other _____

Exposure to wind: ☐ single tree ☐ below canopy ☒ above canopy ☐ recently exposed ☐ windward, canopy edge ☐ area prone to windthrow

Prevailing wind direction: _____ Occurrence of snow/ice storms: ☒ never ☐ seldom ☐ regularly

FIELD EVALUATION FORM - PAGE 2 OF 2 Tree Number 49

TARGET

Use Under Tree: ☐ building ☐ parking ☐ traffic ☐ pedestrian ☐ recreation ☒ landscape ☐ hardscape ☐ small features ☐ utility lines **Can target be moved?** Y N **Can use be restricted?** Y N

Occupancy: ☒ occasional use ☐ intermittent use ☐ frequent use ☐ constant use

TREE DEFECTS - Noted as applicable

ROOT DEFECTS: **Suspect root rot?** Y N **Mushroom/conk present?** Y N **ID:** _____

Exposed roots: ☐ severe ☐ moderate ☐ low **Undermined:** ☐ severe ☐ moderate ☐ low

Root pruned: _____ feet from trunk **Root area affected:** _____% **Buttress wounded?** Y N **When:** _____

Restricted root area: ☐ severe ☐ moderate ☐ low **Potential for root failure:** ☐ severe ☐ moderate ☐ low

LEAN: _____ degrees from vertical ☐ natural ☐ unnatural ☐ self-corrected **Soil heaving?** Y N

Decay in plane of lean? Y N **Roots broken?** Y N **Soil cracking?** Y N **Lean severity:** ☐ severe ☐ moderate ☐ low

Compounding factors: _____

CROWN DEFECTS: S = severe, M = moderate, L = low

DEFECT	ROOT CROWN	TRUNK	SCAFFOLDS	BRANCHES
Poor taper				
Bow, sweep				
Co-dominants, forks				
Multiple attachments				
Included bark				
Excessive end weight				
Cracks/splits				
Hangers				
Girdling				
Wounds/seam				
Decay				
Cavity	M			
Conks/mushrooms				
Bleeding/sap flow				
Loose/cracked bark				
Nesting hole/bee hive	S			
Deadwood/stubs				
Borers/termites/ants				
Cankers/galls/burls				
Previous failure				

RECOMMENDED TREATMENT

Prune: ☐ remove defective part ☐ reduce end weight ☐ crown clean ☐ thin ☐ raise canopy ☐ crown reduce ☐ restructure ☐ shape

Pest control: _____ **Cable/Brace:** _____

Other Activities: ☐ aerate soil ☐ remove fill soil ☐ remove irrigation/planting ☐ remove wire, etc. ☐ fertilize/water

Inspect further: ☐ root crown ☐ decay ☐ aerial ☐ monitor **Remove tree?** Y N **Replace tree?** Y N **Move target:?** Y N **Other:** _____ ☒ no action required at this time

Effect on adjacent trees: ☒ none ☐ evaluate **Notification:** ☒ owner ☐ manager ☒ governing agency Date: See Tree Report

ADDITIONAL COMMENTS

Estimated due to Active beehive

FIELD EVALUATION FORM

Owner: _____ ☐ public ☐ private ☐ unknown ☐ other: _____

Site/Address: _____ Thomas Guide: Page: ____ Coordinate: ____

Date: 05/27/2015 Inspector: TJ Date of last inspection: _____ ☐ not previously inspected

TREE CHARACTERISTICS

Tree #: 50 Species: ☐ *Quercus agrifolia* ☐ *Quercus lobata* ☐ other _____

# of trunks: 1 dbH (inches): 8 Height (feet): Dead

Compass direction	N	NE	E	SE	S	SW	W	NW
Dripline (feet)								
Clearance to canopy (feet)		D	E	A	D			

Form: ☐ generally symmetric ☐ minor asymmetry ☐ major asymmetry ☐ stump sprout ☐ stag-headed

Crown class: ☐ dominant ☐ co-dominant ☐ intermediate ☐ suppressed

Age class: ☐ young ☐ semi-mature ☐ mature ☐ over-mature/senescent Live crown ratio (conifers only): _____%

Pruning history: ☐ crown cleaned ☐ excessively thinned ☐ topped ☐ crown raised ☐ pollarded ☐ crown reduced ☐ flush cuts ☐ cabled/braced ☐ none ☐ multiple pruning events Approximate dates: _____ ☐ unknown

Special Value: ☐ specimen ☐ heritage/historic ☐ wildlife ☐ unusual ☐ street tree ☐ screen ☐ shade ☐ indigenous ☐ protected by government agency

TREE HEALTH

Dead

Foliage color: ☐ normal ☐ chlorotic ☐ necrotic

Epicormics? Y N Twig Dieback? Y N

Foliage density: ☐ normal ☐ sparse

Leaf size: ☐ normal ☐ small

Annual shoot growth: ☐ excellent ☐ average ☐ poor

Woundwood development: ☐ excellent ☐ average ☐ poor ☐ none

Vigor class: ☐ excellent ☐ average ☐ fair ☐ poor

Growth obstructions: ☐ stakes ☐ wire/ties ☐ signs ☐ cables ☐ curb/pavement ☐ guards ☐ other _____

Major pests/diseases: _____

SITE CONDITIONS

Site character: ☐ residence ☐ commercial ☐ industrial ☐ park ☐ open space ☐ natural ☐ woodland/forest

Landscape type: ☐ parkway ☐ raised bed ☐ container ☐ mound ☐ lawn ☐ shrub border ☐ wind break

Irrigation: ☐ none ☐ adequate ☐ inadequate ☐ excessive ☐ trunk wetted Pavement lifted? Y N

Recent site disturbance? Y N ☐ construction ☐ soil disturbance ☐ grade change ☐ line clearing ☐ site clearing

% dripline paved:	0%	10-25%	25-50%	50-75%	75-100%
% dripline w/fill soil:	0%	10-25%	25-50%	50-75%	75-100%
% dripline grade lowered:	0%	10-25%	25-50%	50-75%	75-100%

Soil problems: ☐ drainage ☐ shallow ☐ compacted ☐ droughty ☐ saline ☐ alkaline ☐ acidic ☐ small volume ☐ disease center ☐ history of failure ☐ clay ☐ expansive ☐ slope _____° aspect _____

Obstructions: ☐ lights ☐ signage ☐ line-of-sight ☐ view ☐ overhead lines ☐ underground utilities ☐ traffic ☐ adjacent vegetation ☐ other _____

Exposure to wind: ☐ single tree ☐ below canopy ☐ above canopy ☐ recently exposed ☐ windward, canopy edge ☐ area prone to windthrow

Prevailing wind direction: _____ Occurrence of snow/ice storms: ☐ never ☐ seldom ☐ regularly

FIELD EVALUATION FORM - PAGE 2 OF 2

Tree Number 50

TARGET

Use Under Tree: ☐ building ☐ parking ☐ traffic ☐ pedestrian ☐ recreation ☐ landscape ☐ hardscape ☐ small features ☐ utility lines **Can target be moved?** Y N **Can use be restricted?** Y N

Occupancy: ☐ occasional use ☐ intermittent use ☐ frequent use ☐ constant use

TREE DEFECTS - Noted as applicable

ROOT DEFECTS: **Suspect root rot?** Y N **Mushroom/conk present?** Y N **ID:** _____

Exposed roots: ☐ severe ☐ moderate ☐ low **Undermined:** ☐ severe ☐ moderate ☐ low

Root pruned: _____ feet from trunk **Root area affected:** _____% **Buttress wounded?** Y N **When:** _____

Restricted root area: ☐ severe ☐ moderate ☐ low **Potential for root failure:** ☐ severe ☐ moderate ☐ low

LEAN: _____ degrees from vertical ☐ natural ☐ unnatural ☐ self-corrected **Soil heaving?** Y N

Decay in plane of lean? Y N **Roots broken?** Y N **Soil cracking?** Y N **Lean severity:** ☐ severe ☐ moderate ☐ low

Compounding factors: _____

CROWN DEFECTS: S = severe, M = moderate, L = low

DEFECT	ROOT CROWN	TRUNK	SCAFFOLDS	BRANCHES
Poor taper				
Bow, sweep				
Co-dominants, forks				
Multiple attachments				
Included bark				
Excessive end weight				
Cracks/splits				
Hangers				
Girdling				
Wounds/seam				
Decay				
Cavity				
Conks/mushrooms				
Bleeding/sap flow				
Loose/cracked bark				
Nesting hole/bee hive				
Deadwood/stubs				
Borers/termites/ants				
Cankers/galls/burls				
Previous failure				

DEAD

RECOMMENDED TREATMENT

Prune: ☐ remove defective part ☐ reduce end weight ☐ crown clean ☐ thin ☐ raise canopy ☐ crown reduce ☐ restructure ☐ shape

Pest control: _____ **Cable/Brace:** _____

Other Activities: ☐ aerate soil ☐ remove fill soil ☐ remove irrigation/planting ☐ remove wire, etc. ☐ fertilize/water

Inspect further: ☐ root crown ☐ decay ☐ aerial ☐ monitor **Remove tree?** Y N **Replace tree?** Y N **Move target:?** Y N **Other:** _____ ☐ no action required at this time

Effect on adjacent trees: ☐ none ☐ evaluate **Notification:** ☐ owner ☐ manager ☐ governing agency Date: _____

ADDITIONAL COMMENTS

FIELD EVALUATION FORM

Owner: _____ ☐ public ☐ private ☐ unknown ☐ other: _____

Site/Address: _____ Thomas Guide: Page: ____ Coordinate: ____

Date: 05/29/2015 Inspector: TJ Date of last inspection: _____ ☐ not previously inspected

TREE CHARACTERISTICS

Tree #: 51 Species: ☒ *Quercus agrifolia* ☐ *Quercus lobata* ☐ other _____

# of trunks: 1 dbH (inches): 9 Height (feet): 20

Compass direction	N	NE	E	SE	S	SW	W	NW
Dripline (feet)	21	12	0	0	9	0	7	17
Clearance to canopy (feet)	20	10	0	0	0	0	10	10

Form: ☐ generally symmetric ☐ minor asymmetry ☒ major asymmetry ☐ stump sprout ☐ stag-headed

Crown class: ☐ dominant ☐ co-dominant ☒ intermediate ☐ suppressed

Age class: ☐ young ☐ semi-mature ☒ mature ☐ over-mature/senescent Live crown ratio (conifers only): _____%

Pruning history: ☐ crown cleaned ☐ excessively thinned ☐ topped ☐ crown raised ☐ pollarded ☐ crown reduced ☐ flush cuts ☐ cabled/braced ☒ none ☐ multiple pruning events Approximate dates: _____ ☐ unknown

Special Value: ☐ specimen ☐ heritage/historic ☒ wildlife ☐ unusual ☐ street tree ☒ screen ☒ shade ☒ indigenous ☒ protected by government agency

TREE HEALTH

Foliage color: ☒ normal ☐ chlorotic ☐ necrotic

Epicormics? Y N Twig Dieback? Y N

Foliage density: ☒ normal ☐ sparse

Leaf size: ☒ normal ☐ small

Annual shoot growth: ☐ excellent ☒ average ☐ poor

Woundwood development: ☐ excellent ☒ average ☐ poor ☐ none

Vigor class: ☐ excellent ☒ average ☐ fair ☐ poor

Growth obstructions: ☐ stakes ☐ wire/ties ☐ signs ☐ cables ☐ curb/pavement ☐ guards ☐ other _____

Major pests/diseases: _____

SITE CONDITIONS

Site character: ☒ residence ☐ commercial ☐ industrial ☐ park ☒ open space ☒ natural ☒ woodland/forest

Landscape type: ☐ parkway ☐ raised bed ☐ container ☐ mound ☒ lawn ☒ shrub border ☐ wind break

Irrigation: ☒ none ☐ adequate ☐ inadequate ☐ excessive ☐ trunk wetted Pavement lifted? Y N

Recent site disturbance? Y N ☐ construction ☐ soil disturbance ☐ grade change ☐ line clearing ☐ site clearing

% dripline paved:	0%	10-25%	25-50%	50-75%	75-100%
% dripline w/fill soil:	0%	10-25%	25-50%	50-75%	75-100%
% dripline grade lowered:	0%	10-25%	25-50%	50-75%	75-100%

Soil problems: ☐ drainage ☐ shallow ☐ compacted ☐ droughty ☐ saline ☐ alkaline ☐ acidic ☐ small volume ☐ disease center ☐ history of failure ☐ clay ☐ expansive ☐ slope _____° aspect _____

Obstructions: ☐ lights ☐ signage ☐ line-of-sight ☐ view ☐ overhead lines ☐ underground utilities ☐ traffic ☐ adjacent vegetation ☐ other _____

Exposure to wind: ☐ single tree ☒ below canopy ☐ above canopy ☐ recently exposed ☐ windward, canopy edge ☐ area prone to windthrow

Prevailing wind direction: _____ Occurrence of snow/ice storms: ☒ never ☐ seldom ☐ regularly

FIELD EVALUATION FORM - PAGE 2 OF 2

Tree Number 51

TARGET

Use Under Tree: ☐ building ☐ parking ☐ traffic ☐ pedestrian ☐ recreation ☒ landscape ☐ hardscape ☐ small features ☐ utility lines **Can target be moved?** Y N **Can use be restricted?** Y N

Occupancy: ☒ occasional use ☐ intermittent use ☐ frequent use ☐ constant use

TREE DEFECTS - Noted as applicable

ROOT DEFECTS: **Suspect root rot?** Y N **Mushroom/conk present?** Y N **ID:** _____

Exposed roots: ☐ severe ☐ moderate ☐ low **Undermined:** ☐ severe ☐ moderate ☐ low

Root pruned: _____ feet from trunk **Root area affected:** _____% **Buttress wounded?** Y N **When:** _____

Restricted root area: ☐ severe ☐ moderate ☐ low **Potential for root failure:** ☐ severe ☐ moderate ☐ low

LEAN: _____ degrees from vertical ☐ natural ☐ unnatural ☐ self-corrected **Soil heaving?** Y N

Decay in plane of lean? Y N **Roots broken?** Y N **Soil cracking?** Y N **Lean severity:** ☐ severe ☐ moderate ☐ low

Compounding factors: _____

CROWN DEFECTS: S = severe, M = moderate, L = low

DEFECT	ROOT CROWN	TRUNK	SCAFFOLDS	BRANCHES
Poor taper				
Bow, sweep		S	M	
Co-dominants, forks				
Multiple attachments				
Included bark				
Excessive end weight				
Cracks/splits				
Hangers				
Girdling				
Wounds/seam				
Decay				
Cavity				
Conks/mushrooms				
Bleeding/sap flow				
Loose/cracked bark				
Nesting hole/bee hive				
Deadwood/stubs				
Borers/termites/ants				
Cankers/galls/burls				
Previous failure				

RECOMMENDED TREATMENT

Prune: ☐ remove defective part ☐ reduce end weight ☐ crown clean ☐ thin ☐ raise canopy ☐ crown reduce ☐ restructure ☐ shape

Pest control: _____ **Cable/Brace:** _____

Other Activities: ☐ aerate soil ☐ remove fill soil ☐ remove irrigation/planting ☐ remove wire, etc. ☐ fertilize/water

Inspect further: ☐ root crown ☐ decay ☐ aerial ☐ monitor **Remove tree?** Y N **Replace tree?** Y N **Move target:?** Y N **Other:** _____ ☒ no action required at this time

Effect on adjacent trees: ☒ none ☐ evaluate **Notification:** ☐ owner ☐ manager ☒ governing agency Date: See Tree Report

ADDITIONAL COMMENTS

FIELD EVALUATION FORM

Owner: _____ ☐ public ☒ private ☐ unknown ☐ other: _____

Site/Address: _____ Thomas Guide: Page: ____ Coordinate: ____

Date: 05/27/2015 Inspector: TJ Date of last inspection: _____ ☐ not previously inspected

TREE CHARACTERISTICS

Tree #: 52 Species: ☒ *Quercus agrifolia* ☐ *Quercus lobata* ☐ other _____

# of trunks: 1 dbH (inches): 10, 6 Height (feet): 20

Compass direction	N	NE	E	SE	S	SW	W	NW
Dripline (feet)	13	8	8	8	8	8	8	18
Clearance to canopy (feet)	20	0	0	0	0	0	10	20

Form: ☐ generally symmetric ☒ minor asymmetry ☐ major asymmetry ☐ stump sprout ☐ stag-headed

Crown class: ☐ dominant ☒ co-dominant ☐ intermediate ☐ suppressed

Age class: ☐ young ☐ semi-mature ☒ mature ☐ over-mature/senescent Live crown ratio (conifers only): _____%

Pruning history: ☐ crown cleaned ☐ excessively thinned ☐ topped ☐ crown raised ☐ pollarded ☐ crown reduced ☐ flush cuts ☐ cabled/braced ☒ none ☐ multiple pruning events Approximate dates: _____ ☐ unknown

Special Value: ☐ specimen ☐ heritage/historic ☒ wildlife ☐ unusual ☐ street tree ☒ screen ☒ shade ☒ indigenous ☒ protected by government agency

TREE HEALTH

Foliage color: ☒ normal ☐ chlorotic ☐ necrotic

Epicormics? Y N Twig Dieback? Y N

Foliage density: ☒ normal ☐ sparse

Leaf size: ☒ normal ☐ small

Annual shoot growth: ☐ excellent ☒ average ☐ poor

Woundwood development: ☐ excellent ☒ average ☐ poor ☐ none

Vigor class: ☐ excellent ☒ average ☐ fair ☐ poor

Growth obstructions: ☐ stakes ☐ wire/ties ☐ signs ☐ cables ☐ curb/pavement ☐ guards ☐ other _____

Major pests/diseases: _____

SITE CONDITIONS

Site character: ☒ residence ☐ commercial ☐ industrial ☐ park ☒ open space ☒ natural ☒ woodland/forest

Landscape type: ☐ parkway ☐ raised bed ☐ container ☐ mound ☐ lawn ☒ shrub border ☐ wind break

Irrigation: ☒ none ☐ adequate ☐ inadequate ☐ excessive ☐ trunk wetted Pavement lifted? Y N

Recent site disturbance? Y N ☐ construction ☐ soil disturbance ☐ grade change ☐ line clearing ☒ site clearing

% dripline paved:	0%	10-25%	25-50%	50-75%	75-100%
% dripline w/fill soil:	0%	10-25%	25-50%	50-75%	75-100%
% dripline grade lowered:	0%	10-25%	25-50%	50-75%	75-100%

Soil problems: ☐ drainage ☐ shallow ☐ compacted ☐ droughty ☐ saline ☐ alkaline ☐ acidic ☐ small volume ☐ disease center ☐ history of failure ☐ clay ☐ expansive ☐ slope _____° aspect _____

Obstructions: ☐ lights ☐ signage ☐ line-of-sight ☐ view ☐ overhead lines ☐ underground utilities ☐ traffic ☐ adjacent vegetation ☐ other _____

Exposure to wind: ☐ single tree ☒ below canopy ☐ above canopy ☐ recently exposed ☐ windward, canopy edge ☐ area prone to windthrow

Prevailing wind direction: _____ Occurrence of snow/ice storms: ☒ never ☐ seldom ☐ regularly

FIELD EVALUATION FORM - PAGE 2 OF 2

Tree Number 52

TARGET

Use Under Tree: ☐ building ☐ parking ☐ traffic ☐ pedestrian ☐ recreation ☒ landscape ☐ hardscape ☐ small features ☐ utility lines **Can target be moved?** Y N **Can use be restricted?** Y N

Occupancy: ☒ occasional use ☐ intermittent use ☐ frequent use ☐ constant use

TREE DEFECTS - Noted as applicable

ROOT DEFECTS: **Suspect root rot?** Y N **Mushroom/conk present?** Y N **ID:** _____

Exposed roots: ☐ severe ☐ moderate ☐ low **Undermined:** ☐ severe ☐ moderate ☐ low

Root pruned: _____ feet from trunk **Root area affected:** _____% **Buttress wounded?** Y N **When:** _____

Restricted root area: ☐ severe ☐ moderate ☐ low **Potential for root failure:** ☐ severe ☐ moderate ☐ low

LEAN: _____ degrees from vertical ☐ natural ☐ unnatural ☐ self-corrected **Soil heaving?** Y N

Decay in plane of lean? Y N **Roots broken?** Y N **Soil cracking?** Y N **Lean severity:** ☐ severe ☐ moderate ☐ low

Compounding factors: _____

CROWN DEFECTS: S = severe, M = moderate, L = low

DEFECT	ROOT CROWN	TRUNK	SCAFFOLDS	BRANCHES
Poor taper				
Bow, sweep		M	M	
Co-dominants, forks				
Multiple attachments				
Included bark				
Excessive end weight				
Cracks/splits				
Hangers				
Girdling				
Wounds/seam				
Decay				
Cavity				
Conks/mushrooms				
Bleeding/sap flow				
Loose/cracked bark				
Nesting hole/bee hive				
Deadwood/stubs				
Borers/termites/ants				
Cankers/galls/burls				
Previous failure				

RECOMMENDED TREATMENT

Prune: ☐ remove defective part ☐ reduce end weight ☐ crown clean ☐ thin ☐ raise canopy ☐ crown reduce ☐ restructure ☐ shape

Pest control: _____ **Cable/Brace:** _____

Other Activities: ☐ aerate soil ☐ remove fill soil ☐ remove irrigation/planting ☐ remove wire, etc. ☐ fertilize/water

Inspect further: ☐ root crown ☐ decay ☐ aerial ☐ monitor **Remove tree?** Y N **Replace tree?** Y N **Move target:?** Y N **Other:** _____ ☒ no action required at this time

Effect on adjacent trees: ☒ none ☐ evaluate **Notification:** ☒ owner ☐ manager ☒ governing agency Date: See Tree Report

ADDITIONAL COMMENTS

FIELD EVALUATION FORM

Owner: _____ ☐ public ☐ private ☐ unknown ☐ other: _____

Site/Address: _____ Thomas Guide: Page: ____ Coordinate: ____

Date: 05/27/20 Inspector: TJ Date of last inspection: _____ ☒ not previously inspected

TREE CHARACTERISTICS

Tree #: 53 Species: ☒ *Quercus agrifolia* ☐ *Quercus lobata* ☐ other _____

# of trunks: 1 dbH (inches): 2 Height (feet): 10

Compass direction	N	NE	E	SE	S	SW	W	NW
Dripline (feet)	3	3	0	0	5	4	5	6
Clearance to canopy (feet)	6	8	0	0	6	10	8	8

Form: ☐ generally symmetric ☐ minor asymmetry ☐ major asymmetry ☐ stump sprout ☐ stag-headed

Crown class: ☐ dominant ☐ co-dominant ☒ intermediate ☐ suppressed

Age class: ☒ young ☐ semi-mature ☐ mature ☐ over-mature/senescent Live crown ratio (conifers only): _____%

Pruning history: ☐ crown cleaned ☐ excessively thinned ☐ topped ☐ crown raised ☐ pollarded ☐ crown reduced ☐ flush cuts ☐ cabled/braced ☒ none ☐ multiple pruning events Approximate dates: _____ ☐ unknown

Special Value: ☐ specimen ☐ heritage/historic ☐ wildlife ☐ unusual ☐ street tree ☐ screen ☐ shade ☒ indigenous ☒ protected by government agency

TREE HEALTH

Foliage color: ☒ normal ☐ chlorotic ☐ necrotic

Epicormics? Y / N Twig Dieback? Y / N

Foliage density: ☒ normal ☐ sparse

Leaf size: ☒ normal ☐ small

Annual shoot growth: ☐ excellent ☒ average ☐ poor

Woundwood development: ☐ excellent ☒ average ☐ poor ☐ none

Vigor class: ☐ excellent ☒ average ☐ fair ☐ poor

Growth obstructions: ☐ stakes ☐ wire/ties ☐ signs ☐ cables ☐ curb/pavement ☐ guards ☐ other _____

Major pests/diseases: _____

SITE CONDITIONS

Site character: ☒ residence ☐ commercial ☐ industrial ☐ park ☒ open space ☒ natural ☒ woodland/forest

Landscape type: ☐ parkway ☐ raised bed ☐ container ☐ mound ☐ lawn ☒ shrub border ☐ wind break

Irrigation: ☒ none ☐ adequate ☐ inadequate ☐ excessive ☐ trunk wetted Pavement lifted? Y / N

Recent site disturbance? Y / N ☐ construction ☐ soil disturbance ☐ grade change ☐ line clearing ☐ site clearing

% dripline paved:	0%	10-25%	25-50%	50-75%	75-100%
% dripline w/fill soil:	0%	10-25%	25-50%	50-75%	75-100%
% dripline grade lowered:	0%	10-25%	25-50%	50-75%	75-100%

Soil problems: ☐ drainage ☐ shallow ☐ compacted ☐ droughty ☐ saline ☐ alkaline ☐ acidic ☐ small volume ☐ disease center ☐ history of failure ☐ clay ☐ expansive ☐ slope _____° aspect _____

Obstructions: ☐ lights ☐ signage ☐ line-of-sight ☐ view ☐ overhead lines ☐ underground utilities ☐ traffic ☐ adjacent vegetation ☐ other _____

Exposure to wind: ☐ single tree ☒ below canopy ☐ above canopy ☐ recently exposed ☐ windward, canopy edge ☐ area prone to windthrow

Prevailing wind direction: _____ Occurrence of snow/ice storms: ☒ never ☐ seldom ☐ regularly

FIELD EVALUATION FORM - PAGE 2 OF 2

Tree Number 53

TARGET

Use Under Tree: ☐ building ☒ parking ☒ traffic ☒ pedestrian ☐ recreation ☒ landscape ☐ hardscape ☐ small features ☐ utility lines Can target be moved? Y N Can use be restricted? Y N

Occupancy: ☐ occasional use ☐ intermittent use ☒ frequent use ☐ constant use

TREE DEFECTS - Noted as applicable

ROOT DEFECTS: Suspect root rot? Y N Mushroom/conk present? Y N ID: _____

Exposed roots: ☐ severe ☐ moderate ☐ low Undermined: ☐ severe ☐ moderate ☐ low

Root pruned: _____ feet from trunk Root area affected: _____% Buttress wounded? Y N When: _____

Restricted root area: ☐ severe ☐ moderate ☐ low Potential for root failure: ☐ severe ☐ moderate ☐ low

LEAN: _____ degrees from vertical ☐ natural ☐ unnatural ☐ self-corrected Soil heaving? Y N

Decay in plane of lean? Y N Roots broken? Y N Soil cracking? Y N Lean severity: ☐ severe ☐ moderate ☐ low

Compounding factors: _____

CROWN DEFECTS: S = severe, M = moderate, L = low

DEFECT	ROOT CROWN	TRUNK	SCAFFOLDS	BRANCHES
Poor taper				
Bow, sweep				
Co-dominants, forks				
Multiple attachments				
Included bark				
Excessive end weight				
Cracks/splits				
Hangers				
Girdling				
Wounds/seam				
Decay				
Cavity				
Conks/mushrooms				
Bleeding/sap flow				
Loose/cracked bark				
Nesting hole/bee hive				
Deadwood/stubs				
Borers/termites/ants				
Cankers/galls/burls				
Previous failure				

RECOMMENDED TREATMENT

Prune: ☐ remove defective part ☐ reduce end weight ☐ crown clean ☐ thin ☐ raise canopy ☐ crown reduce ☐ restructure ☐ shape

Pest control: _____ Cable/Brace: _____

Other Activities: ☐ aerate soil ☐ remove fill soil ☐ remove irrigation/planting ☐ remove wire, etc. ☐ fertilize/water

Inspect further: ☐ root crown ☐ decay ☐ aerial ☐ monitor Remove tree? Y N Replace tree? Y N Move target:? Y N Other: _____ ☒ no action required at this time

Effect on adjacent trees: ☒ none ☐ evaluate Notification: ☒ owner ☐ manager ☒ governing agency Date: See Tree Report

ADDITIONAL COMMENTS

FIELD EVALUATION FORM

Owner: _____ ☐ public ☒ private ☐ unknown ☐ other: _____

Site/Address: _____ Thomas Guide: Page: ____ Coordinate: ____

Date: 05/27/2015 Inspector: TT Date of last inspection: _____ ☒ not previously inspected

TREE CHARACTERISTICS

Tree #: 54 Species: ☒ *Quercus agrifolia* ☐ *Quercus lobata* ☐ other _____

# of trunks: 1 dbH (inches): 3 Height (feet): 12

Compass direction	N	NE	E	SE	S	SW	W	NW
Dripline (feet)	6	5	4	4	5	7	11	8
Clearance to canopy (feet)	8	5	3	3	4	12	12	10

Form: ☒ generally symmetric ☐ minor asymmetry ☐ major asymmetry ☐ stump sprout ☐ stag-headed

Crown class: ☐ dominant ☐ co-dominant ☒ intermediate ☐ suppressed

Age class: ☒ young ☐ semi-mature ☐ mature ☐ over-mature/senescent Live crown ratio (conifers only): _____%

Pruning history: ☐ crown cleaned ☐ excessively thinned ☐ topped ☐ crown raised ☐ pollarded ☐ crown reduced ☐ flush cuts ☐ cabled/braced ☒ none ☐ multiple pruning events Approximate dates: _____ ☐ unknown

Special Value: ☐ specimen ☐ heritage/historic ☐ wildlife ☐ unusual ☐ street tree ☐ screen ☐ shade ☒ indigenous ☒ protected by government agency

TREE HEALTH

Foliage color: ☒ normal ☐ chlorotic ☐ necrotic

Epicormics? Y N Twig Dieback? Y N

Foliage density: ☒ normal ☐ sparse

Leaf size: ☒ normal ☐ small

Annual shoot growth: ☐ excellent ☒ average ☐ poor

Woundwood development: ☐ excellent ☒ average ☐ poor ☐ none

Vigor class: ☐ excellent ☒ average ☐ fair ☐ poor

Growth obstructions: ☐ stakes ☐ wire/ties ☐ signs ☐ cables ☐ curb/pavement ☐ guards ☐ other _____

Major pests/diseases: _____

SITE CONDITIONS

Site character: ☒ residence ☐ commercial ☐ industrial ☐ park ☒ open space ☒ natural ☒ woodland/forest

Landscape type: ☐ parkway ☐ raised bed ☐ container ☐ mound ☐ lawn ☒ shrub border ☐ wind break

Irrigation: ☒ none ☐ adequate ☐ inadequate ☐ excessive ☐ trunk wetted Pavement lifted? Y N

Recent site disturbance? Y N ☐ construction ☐ soil disturbance ☐ grade change ☐ line clearing ☐ site clearing

% dripline paved:	0%	10-25%	25-50%	50-75%	75-100%
% dripline w/fill soil:	0%	10-25%	25-50%	50-75%	75-100%
% dripline grade lowered:	0%	10-25%	25-50%	50-75%	75-100%

Soil problems: ☐ drainage ☐ shallow ☐ compacted ☐ droughty ☐ saline ☐ alkaline ☐ acidic ☐ small volume ☐ disease center ☐ history of failure ☐ clay ☐ expansive ☐ slope _____° aspect _____

Obstructions: ☐ lights ☐ signage ☐ line-of-sight ☐ view ☐ overhead lines ☐ underground utilities ☐ traffic ☐ adjacent vegetation ☐ other _____

Exposure to wind: ☐ single tree ☒ below canopy ☐ above canopy ☐ recently exposed ☐ windward, canopy edge ☐ area prone to windthrow

Prevailing wind direction: _____ Occurrence of snow/ice storms: ☒ never ☐ seldom ☐ regularly

FIELD EVALUATION FORM - PAGE 2 OF 2 Tree Number 54

TARGET

Use Under Tree: ☐ building ☐ parking ☐ traffic ☐ pedestrian ☐ recreation ☒ landscape ☐ hardscape ☐ small features ☐ utility lines **Can target be moved?** Y N **Can use be restricted?** Y N

Occupancy: ☒ occasional use ☐ intermittent use ☐ frequent use ☐ constant use

TREE DEFECTS - Noted as applicable

ROOT DEFECTS: **Suspect root rot?** Y N **Mushroom/conk present?** Y N **ID:** _____

Exposed roots: ☐ severe ☐ moderate ☐ low **Undermined:** ☐ severe ☐ moderate ☐ low

Root pruned: _____ feet from trunk **Root area affected:** _____% **Buttress wounded?** Y N **When:** _____

Restricted root area: ☐ severe ☐ moderate ☐ low **Potential for root failure:** ☐ severe ☐ moderate ☐ low

LEAN: _____ degrees from vertical ☐ natural ☐ unnatural ☐ self-corrected **Soil heaving?** Y N

Decay in plane of lean? Y N **Roots broken?** Y N **Soil cracking?** Y N **Lean severity:** ☐ severe ☐ moderate ☐ low

Compounding factors: _____

CROWN DEFECTS: S = severe, M = moderate, L = low

DEFECT	ROOT CROWN	TRUNK	SCAFFOLDS	BRANCHES
Poor taper				
Bow, sweep				
Co-dominants, forks				
Multiple attachments				
Included bark				
Excessive end weight				
Cracks/splits				
Hangers				
Girdling				
Wounds/seam				
Decay				
Cavity				
Conks/mushrooms				
Bleeding/sap flow				
Loose/cracked bark				
Nesting hole/bee hive				
Deadwood/stubs				
Borers/termites/ants				
Cankers/galls/burls				
Previous failure				

RECOMMENDED TREATMENT

Prune: ☐ remove defective part ☐ reduce end weight ☐ crown clean ☐ thin ☐ raise canopy ☐ crown reduce ☐ restructure ☐ shape

Pest control: _____ **Cable/Brace:** _____

Other Activities: ☐ aerate soil ☐ remove fill soil ☐ remove irrigation/planting ☐ remove wire, etc. ☐ fertilize/water

Inspect further: ☐ root crown ☐ decay ☐ aerial ☐ monitor **Remove tree?** Y N **Replace tree?** Y N **Move target:?** Y N **Other:** _____ ☒ no action required at this time

Effect on adjacent trees: ☒ none ☐ evaluate **Notification:** ☒ owner ☐ manager ☒ governing agency Date: See Tree Report

ADDITIONAL COMMENTS

FIELD EVALUATION FORM

Owner: _____ ☐ public ☒ private ☐ unknown ☐ other: _____

Site/Address: _____ Thomas Guide: Page: ____ Coordinate: ____

Date: 05/29/2015 Inspector: TJ Date of last inspection: _____ ☒ not previously inspected

TREE CHARACTERISTICS

Tree #: 55 Species: ☒ *Quercus agrifolia* ☐ *Quercus lobata* ☐ other _____

# of trunks: 3 dbH (inches): 3, 2, 1 Height (feet): 10

Compass direction	N	NE	E	SE	S	SW	W	NW
Dripline (feet)	6	3	6	7	7	9	8	5
Clearance to canopy (feet)	10	4	6	8	8	7	10	10

Form: ☐ generally symmetric ☒ minor asymmetry ☐ major asymmetry ☐ stump sprout ☐ stag-headed

Crown class: ☒ dominant ☐ co-dominant ☐ intermediate ☒ suppressed

Age class: ☒ young ☐ semi-mature ☐ mature ☐ over-mature/senescent Live crown ratio (conifers only): _____%

Pruning history: ☐ crown cleaned ☐ excessively thinned ☐ topped ☐ crown raised ☐ pollarded ☐ crown reduced ☐ flush cuts ☐ cabled/braced ☒ none ☐ multiple pruning events Approximate dates: _____ ☐ unknown

Special Value: ☐ specimen ☐ heritage/historic ☐ wildlife ☐ unusual ☐ street tree ☐ screen ☐ shade ☒ indigenous ☒ protected by government agency

TREE HEALTH

Foliage color: ☒ normal ☐ chlorotic ☐ necrotic

Epicormics? Y (N) Twig Dieback? Y (N)

Foliage density: ☒ normal ☐ sparse

Leaf size: ☒ normal ☐ small

Annual shoot growth: ☐ excellent ☒ average ☐ poor

Major pests/diseases: _____

Woundwood development: ☐ excellent ☒ average ☐ poor ☐ none

Vigor class: ☐ excellent ☒ average ☐ fair ☐ poor

Growth obstructions: ☐ stakes ☐ wire/ties ☐ signs ☐ cables ☐ curb/pavement ☐ guards ☐ other _____

SITE CONDITIONS

Site character: ☒ residence ☐ commercial ☐ industrial ☐ park ☒ open space ☒ natural ☒ woodland/forest

Landscape type: ☐ parkway ☐ raised bed ☐ container ☐ mound ☐ lawn ☒ shrub border ☐ wind break

Irrigation: ☒ none ☐ adequate ☐ inadequate ☐ excessive ☐ trunk wetted Pavement lifted? Y (N)

Recent site disturbance? Y (N) ☐ construction ☐ soil disturbance ☐ grade change ☐ line clearing ☐ site clearing

% dripline paved: 0% 10-25% 25-50% 50-75% 75-100%

% dripline w/fill soil: 0% 10-25% 25-50% 50-75% 75-100%

% dripline grade lowered: 0% 10-25% 25-50% 50-75% 75-100%

Soil problems: ☐ drainage ☐ shallow ☐ compacted ☐ droughty ☐ saline ☐ alkaline ☐ acidic ☐ small volume ☐ disease center ☐ history of failure ☐ clay ☐ expansive ☐ slope _____° aspect _____

Obstructions: ☐ lights ☐ signage ☐ line-of-sight ☐ view ☐ overhead lines ☐ underground utilities ☐ traffic ☐ adjacent vegetation ☐ other _____

Exposure to wind: ☐ single tree ☒ below canopy ☐ above canopy ☐ recently exposed ☐ windward, canopy edge ☐ area prone to windthrow

Prevailing wind direction: _____ Occurrence of snow/ice storms: ☒ never ☐ seldom ☐ regularly

FIELD EVALUATION FORM - PAGE 2 OF 2

Tree Number 55

TARGET

Use Under Tree: ☐ building ☒ parking ☒ traffic ☒ pedestrian ☐ recreation ☒ landscape ☐ hardscape ☐ small features ☐ utility lines Can target be moved? Y (N) Can use be restricted? Y (N)

Occupancy: ☐ occasional use ☐ intermittent use ☒ frequent use ☐ constant use

TREE DEFECTS - Noted as applicable

ROOT DEFECTS: Suspect root rot? Y (N) Mushroom/conk present? Y (N) ID: _____

Exposed roots: ☐ severe ☐ moderate ☐ low Undermined: ☐ severe ☐ moderate ☐ low

Root pruned: _____ feet from trunk Root area affected: _____% Buttress wounded? Y N When: _____

Restricted root area: ☐ severe ☐ moderate ☐ low Potential for root failure: ☐ severe ☐ moderate ☐ low

LEAN: _____ degrees from vertical ☐ natural ☐ unnatural ☐ self-corrected Soil heaving? Y N

Decay in plane of lean? Y N Roots broken? Y N Soil cracking? Y N Lean severity: ☐ severe ☐ moderate ☐ low

Compounding factors: _____

CROWN DEFECTS: S = severe, M = moderate, L = low

DEFECT	ROOT CROWN	TRUNK	SCAFFOLDS	BRANCHES
Poor taper				
Bow, sweep				
Co-dominants, forks				
Multiple attachments				
Included bark				
Excessive end weight				
Cracks/splits				
Hangers				
Girdling				
Wounds/seam				
Decay				
Cavity				
Conks/mushrooms				
Bleeding/sap flow				
Loose/cracked bark				
Nesting hole/bee hive				
Deadwood/stubs				
Borers/termites/ants				
Cankers/galls/burls				
Previous failure				

RECOMMENDED TREATMENT

Prune: ☐ remove defective part ☐ reduce end weight ☐ crown clean ☐ thin ☐ raise canopy ☐ crown reduce ☐ restructure ☐ shape

Pest control: _____ Cable/Brace: _____

Other Activities: ☐ aerate soil ☐ remove fill soil ☐ remove irrigation/planting ☐ remove wire, etc. ☐ fertilize/water

Inspect further: ☐ root crown ☐ decay ☐ aerial ☐ monitor Remove tree? Y (N) Replace tree? Y (N) Move target:? Y (N) Other: _____ ☒ no action required at this time

Effect on adjacent trees: ☒ none ☐ evaluate Notification: ☒ owner ☐ manager ☒ governing agency Date: See Tree Report

ADDITIONAL COMMENTS

FIELD EVALUATION FORM

Owner: _____ ☐ public ☑ private ☐ unknown ☐ other: _____

Site/Address: _____ Thomas Guide: Page: ____ Coordinate: ____

Date: 05/27/2015 Inspector: TJ Date of last inspection: _____ ☑ not previously inspected

TREE CHARACTERISTICS

Tree #: 56 Species: ☑ *Quercus agrifolia* ☐ *Quercus lobata* ☐ other _____

# of trunks: 1 dbH (inches): 3 Height (feet): 10

Compass direction	N	NE	E	SE	S	SW	W	NW
Dripline (feet)	3	5	8	12	8	8	8	8
Clearance to canopy (feet)	4	7	0	5	8	8	6	6

Form: ☐ generally symmetric ☑ minor asymmetry ☐ major asymmetry ☐ stump sprout ☐ stag-headed

Crown class: ☐ dominant ☑ co-dominant ☐ intermediate ☐ suppressed

Age class: ☑ young ☐ semi-mature ☐ mature ☐ over-mature/senescent Live crown ratio (conifers only): _____%

Pruning history: ☐ crown cleaned ☐ excessively thinned ☐ topped ☐ crown raised ☐ pollarded ☐ crown reduced ☐ flush cuts ☐ cabled/braced ☑ none ☐ multiple pruning events Approximate dates: _____ ☐ unknown

Special Value: ☐ specimen ☐ heritage/historic ☐ wildlife ☐ unusual ☐ street tree ☐ screen ☐ shade ☑ indigenous ☑ protected by government agency

TREE HEALTH

Foliage color: ☑ normal ☐ chlorotic ☐ necrotic

Epicormics? Y (N) Twig Dieback? Y (N)

Foliage density: ☑ normal ☐ sparse

Leaf size: ☑ normal ☐ small

Annual shoot growth: ☐ excellent ☑ average ☐ poor

Woundwood development: ☐ excellent ☑ average ☐ poor ☐ none

Vigor class: ☐ excellent ☑ average ☐ fair ☐ poor

Growth obstructions: ☐ stakes ☐ wire/ties ☐ signs ☐ cables ☐ curb/pavement ☐ guards ☐ other _____

Major pests/diseases: _____

SITE CONDITIONS

Site character: ☑ residence ☐ commercial ☐ industrial ☐ park ☑ open space ☑ natural ☑ woodland/forest

Landscape type: ☐ parkway ☐ raised bed ☐ container ☐ mound ☐ lawn ☑ shrub border ☐ wind break

Irrigation: ☑ none ☐ adequate ☐ inadequate ☐ excessive ☐ trunk wetted Pavement lifted? Y (N)

Recent site disturbance? Y (N) ☐ construction ☐ soil disturbance ☐ grade change ☐ line clearing ☐ site clearing

% dripline paved:	0%	10-25%	25-50%	50-75%	75-100%
% dripline w/fill soil:	0%	10-25%	25-50%	50-75%	75-100%
% dripline grade lowered:	0%	10-25%	25-50%	50-75%	75-100%

Soil problems: ☐ drainage ☐ shallow ☐ compacted ☐ droughty ☐ saline ☐ alkaline ☐ acidic ☐ small volume ☐ disease center ☐ history of failure ☐ clay ☐ expansive ☐ slope _____° aspect _____

Obstructions: ☐ lights ☐ signage ☐ line-of-sight ☐ view ☐ overhead lines ☐ underground utilities ☐ traffic ☐ adjacent vegetation ☐ other _____

Exposure to wind: ☐ single tree ☑ below canopy ☐ above canopy ☐ recently exposed ☐ windward, canopy edge ☐ area prone to windthrow

Prevailing wind direction: _____ Occurrence of snow/ice storms: ☑ never ☐ seldom ☐ regularly

FIELD EVALUATION FORM - PAGE 2 OF 2

Tree Number 56

TARGET

Use Under Tree: ☐ building ☐ parking ☐ traffic ☐ pedestrian ☐ recreation ☒ landscape ☐ hardscape ☐ small features ☐ utility lines Can target be moved? Y N Can use be restricted? Y N

Occupancy: ☒ occasional use ☐ intermittent use ☐ frequent use ☐ constant use

TREE DEFECTS - Noted as applicable

ROOT DEFECTS: Suspect root rot? Y N Mushroom/conk present? Y N ID: _____

Exposed roots: ☐ severe ☐ moderate ☐ low Undermined: ☐ severe ☐ moderate ☐ low

Root pruned: _____ feet from trunk Root area affected: _____% Buttress wounded? Y N When: _____

Restricted root area: ☐ severe ☐ moderate ☐ low Potential for root failure: ☐ severe ☐ moderate ☐ low

LEAN: _____ degrees from vertical ☐ natural ☐ unnatural ☐ self-corrected Soil heaving? Y N

Decay in plane of lean? Y N Roots broken? Y N Soil cracking? Y N Lean severity: ☐ severe ☐ moderate ☐ low

Compounding factors: _____

CROWN DEFECTS: S = severe, M = moderate, L = low

DEFECT	ROOT CROWN	TRUNK	SCAFFOLDS	BRANCHES
Poor taper				
Bow, sweep				
Co-dominants, forks				
Multiple attachments				
Included bark				
Excessive end weight				
Cracks/splits				
Hangers				
Girdling				
Wounds/seam				
Decay				
Cavity				
Conks/mushrooms				
Bleeding/sap flow				
Loose/cracked bark				
Nesting hole/bee hive				
Deadwood/stubs				
Borers/termites/ants				
Cankers/galls/burls				
Previous failure				

RECOMMENDED TREATMENT

Prune: ☐ remove defective part ☐ reduce end weight ☐ crown clean ☐ thin ☐ raise canopy ☐ crown reduce ☐ restructure ☐ shape

Pest control: _____ Cable/Brace: _____

Other Activities: ☐ aerate soil ☐ remove fill soil ☐ remove irrigation/planting ☐ remove wire, etc. ☐ fertilize/water

Inspect further: ☐ root crown ☐ decay ☐ aerial ☐ monitor Remove tree? Y N Replace tree? Y N Move target:? Y N Other: _____ ☒ no action required at this time

Effect on adjacent trees: ☒ none ☐ evaluate Notification: ☒ owner ☐ manager ☒ governing agency Date: See Tree Report

ADDITIONAL COMMENTS

FIELD EVALUATION FORM

Owner: _____ ☐ public ☑ private ☐ unknown ☐ other: _____

Site/Address: _____ Thomas Guide: Page: ____ Coordinate: ____

Date: 05/27/2015 Inspector: TJ Date of last inspection: _____ ☑ not previously inspected

TREE CHARACTERISTICS

Tree #: 57 Species: ☑ *Quercus agrifolia* ☐ *Quercus lobata* ☐ other _____

# of trunks: 1 dbH (inches): 3 Height (feet): 12

Compass direction	N	NE	E	SE	S	SW	W	NW
Dripline (feet)	3	6	9	10	8	8	8	8
Clearance to canopy (feet)	7	5	10	5	4	8	8	8

Form: ☐ generally symmetric ☑ minor asymmetry ☐ major asymmetry ☐ stump sprout ☐ stag-headed

Crown class: ☐ dominant ☑ co-dominant ☐ intermediate ☐ suppressed

Age class: ☑ young ☐ semi-mature ☐ mature ☐ over-mature/senescent Live crown ratio (conifers only): _____%

Pruning history: ☐ crown cleaned ☐ excessively thinned ☐ topped ☐ crown raised ☐ pollarded ☐ crown reduced ☐ flush cuts ☐ cabled/braced ☑ none ☐ multiple pruning events Approximate dates: _____ ☐ unknown

Special Value: ☐ specimen ☐ heritage/historic ☐ wildlife ☐ unusual ☐ street tree ☐ screen ☐ shade ☑ indigenous ☑ protected by government agency

TREE HEALTH

Foliage color: ☑ normal ☐ chlorotic ☐ necrotic

Epicormics? Y (N) Twig Dieback? Y (N)

Foliage density: ☑ normal ☐ sparse

Leaf size: ☑ normal ☐ small

Annual shoot growth: ☐ excellent ☑ average ☐ poor

Woundwood development: ☐ excellent ☑ average ☐ poor ☐ none

Vigor class: ☐ excellent ☑ average ☐ fair ☐ poor

Growth obstructions: ☐ stakes ☐ wire/ties ☐ signs ☐ cables ☐ curb/pavement ☐ guards ☐ other _____

Major pests/diseases: _____

SITE CONDITIONS

Site character: ☑ residence ☐ commercial ☐ industrial ☐ park ☑ open space ☑ natural ☑ woodland/forest

Landscape type: ☐ parkway ☐ raised bed ☐ container ☐ mound ☐ lawn ☑ shrub border ☐ wind break

Irrigation: ☑ none ☐ adequate ☐ inadequate ☐ excessive ☐ trunk wetted Pavement lifted? Y (N)

Recent site disturbance? Y (N) ☐ construction ☐ soil disturbance ☐ grade change ☐ line clearing ☐ site clearing

% dripline paved:	0%	10-25%	25-50%	50-75%	75-100%
% dripline w/fill soil:	0%	10-25%	25-50%	50-75%	75-100%
% dripline grade lowered:	0%	10-25%	25-50%	50-75%	75-100%

Soil problems: ☐ drainage ☐ shallow ☐ compacted ☐ droughty ☐ saline ☐ alkaline ☐ acidic ☐ small volume ☐ disease center ☐ history of failure ☐ clay ☐ expansive ☐ slope _____° aspect _____

Obstructions: ☐ lights ☐ signage ☐ line-of-sight ☐ view ☐ overhead lines ☐ underground utilities ☐ traffic ☐ adjacent vegetation ☐ other _____

Exposure to wind: ☐ single tree ☑ below canopy ☐ above canopy ☐ recently exposed ☐ windward, canopy edge ☐ area prone to windthrow

Prevailing wind direction: _____ Occurrence of snow/ice storms: ☑ never ☐ seldom ☐ regularly

FIELD EVALUATION FORM - PAGE 2 OF 2

Tree Number 57

TARGET

Use Under Tree: ☐ building ☐ parking ☐ traffic ☐ pedestrian ☐ recreation ☒ landscape ☐ hardscape ☐ small features ☐ utility lines Can target be moved? Y N Can use be restricted? Y N

Occupancy: ☒ occasional use ☐ intermittent use ☐ frequent use ☐ constant use

TREE DEFECTS - Noted as applicable

ROOT DEFECTS: Suspect root rot? Y N Mushroom/conk present? Y N ID: _____

Exposed roots: ☐ severe ☐ moderate ☐ low Undermined: ☐ severe ☐ moderate ☐ low

Root pruned: _____ feet from trunk Root area affected: _____% Buttress wounded? Y N When: _____

Restricted root area: ☐ severe ☐ moderate ☐ low Potential for root failure: ☐ severe ☐ moderate ☐ low

LEAN: _____ degrees from vertical ☐ natural ☐ unnatural ☐ self-corrected Soil heaving? Y N

Decay in plane of lean? Y N Roots broken? Y N Soil cracking? Y N Lean severity: ☐ severe ☐ moderate ☐ low

Compounding factors: _____

CROWN DEFECTS: S = severe, M = moderate, L = low

DEFECT	ROOT CROWN	TRUNK	SCAFFOLDS	BRANCHES
Poor taper				
Bow, sweep				
Co-dominants, forks				
Multiple attachments				
Included bark				
Excessive end weight				
Cracks/splits				
Hangers				
Girdling				
Wounds/seam				
Decay				
Cavity				
Conks/mushrooms				
Bleeding/sap flow				
Loose/cracked bark				
Nesting hole/bee hive				
Deadwood/stubs				
Borers/termites/ants				
Cankers/galls/burls				
Previous failure				

RECOMMENDED TREATMENT

Prune: ☐ remove defective part ☐ reduce end weight ☐ crown clean ☐ thin ☐ raise canopy ☐ crown reduce ☐ restructure ☐ shape

Pest control: _____ Cable/Brace: _____

Other Activities: ☐ aerate soil ☐ remove fill soil ☐ remove irrigation/planting ☐ remove wire, etc. ☐ fertilize/water

Inspect further: ☐ root crown ☐ decay ☐ aerial ☐ monitor Remove tree? Y N Replace tree? Y N Move target:? Y N Other: _____ ☐ no action required at this time

Effect on adjacent trees: ☒ none ☐ evaluate Notification: ☒ owner ☐ manager ☒ governing agency Date: See Tree Report

ADDITIONAL COMMENTS

FIELD EVALUATION FORM

Owner: _____ ☐ public ☐ private ☐ unknown ☐ other: _____

Site/Address: _____ Thomas Guide: Page: ____ Coordinate: ____

Date: 05/27/2015 Inspector: TJ Date of last inspection: _____ ☒ not previously inspected

TREE CHARACTERISTICS

Tree #: 58 Species: ☒ *Quercus agrifolia* ☐ *Quercus lobata* ☐ other _____

# of trunks: 1 dbH (inches): 2 Height (feet): 8

Compass direction	N	NE	E	SE	S	SW	W	NW
Dripline (feet)	3	6	8	5	0	0	0	0
Clearance to canopy (feet)	7	9	5	5	0	0	0	0

Form: ☐ generally symmetric ☒ minor asymmetry ☐ major asymmetry ☐ stump sprout ☐ stag-headed

Crown class: ☐ dominant ☒ co-dominant ☐ intermediate ☐ suppressed

Age class: ☒ young ☐ semi-mature ☐ mature ☐ over-mature/senescent Live crown ratio (conifers only): _____%

Pruning history: ☐ crown cleaned ☐ excessively thinned ☐ topped ☐ crown raised ☐ pollarded ☐ crown reduced ☐ flush cuts ☐ cabled/braced ☒ none ☐ multiple pruning events Approximate dates: _____ ☐ unknown

Special Value: ☐ specimen ☐ heritage/historic ☐ wildlife ☐ unusual ☐ street tree ☐ screen ☐ shade ☒ indigenous ☒ protected by government agency

TREE HEALTH

Foliage color: ☒ normal ☐ chlorotic ☐ necrotic

Epicormics? Y (N) Twig Dieback? Y (N)

Foliage density: ☒ normal ☐ sparse

Leaf size: ☒ normal ☐ small

Annual shoot growth: ☐ excellent ☒ average ☐ poor

Woundwood development: ☐ excellent ☒ average ☐ poor ☐ none

Vigor class: ☐ excellent ☒ average ☐ fair ☐ poor

Growth obstructions: ☐ stakes ☐ wire/ties ☐ signs ☐ cables ☐ curb/pavement ☐ guards ☐ other _____

Major pests/diseases: _____

SITE CONDITIONS

Site character: ☒ residence ☐ commercial ☐ industrial ☐ park ☒ open space ☒ natural ☒ woodland/forest

Landscape type: ☐ parkway ☐ raised bed ☐ container ☐ mound ☐ lawn ☒ shrub border ☐ wind break

Irrigation: ☒ none ☐ adequate ☐ inadequate ☐ excessive ☐ trunk wetted Pavement lifted? Y (N)

Recent site disturbance? Y (N) ☐ construction ☐ soil disturbance ☐ grade change ☐ line clearing ☐ site clearing

% dripline paved:	0%	10-25%	25-50%	50-75%	75-100%
% dripline w/fill soil:	0%	10-25%	25-50%	50-75%	75-100%
% dripline grade lowered:	0%	10-25%	25-50%	50-75%	75-100%

Soil problems: ☐ drainage ☐ shallow ☐ compacted ☐ droughty ☐ saline ☐ alkaline ☐ acidic ☐ small volume ☐ disease center ☐ history of failure ☐ clay ☐ expansive ☐ slope _____° aspect _____

Obstructions: ☐ lights ☐ signage ☐ line-of-sight ☐ view ☐ overhead lines ☐ underground utilities ☐ traffic ☐ adjacent vegetation ☐ other _____

Exposure to wind: ☐ single tree ☒ below canopy ☐ above canopy ☐ recently exposed ☐ windward, canopy edge ☐ area prone to windthrow

Prevailing wind direction: _____ Occurrence of snow/ice storms: ☒ never ☐ seldom ☐ regularly

FIELD EVALUATION FORM - PAGE 2 OF 2

Tree Number 58

TARGET

Use Under Tree: ☐ building ☐ parking ☐ traffic ☐ pedestrian ☐ recreation ☒ landscape ☐ hardscape ☐ small features ☐ utility lines Can target be moved? Y N Can use be restricted? Y N

Occupancy: ☒ occasional use ☐ intermittent use ☐ frequent use ☐ constant use

TREE DEFECTS - Noted as applicable

ROOT DEFECTS: Suspect root rot? Y N Mushroom/conk present? Y N ID: _____

Exposed roots: ☐ severe ☐ moderate ☐ low Undermined: ☐ severe ☐ moderate ☐ low

Root pruned: _____ feet from trunk Root area affected: _____% Buttress wounded? Y N When: _____

Restricted root area: ☐ severe ☐ moderate ☐ low Potential for root failure: ☐ severe ☐ moderate ☐ low

LEAN: _____ degrees from vertical ☐ natural ☐ unnatural ☐ self-corrected Soil heaving? Y N

Decay in plane of lean? Y N Roots broken? Y N Soil cracking? Y N Lean severity: ☐ severe ☐ moderate ☐ low

Compounding factors: _____

CROWN DEFECTS: S = severe, M = moderate, L = low

DEFECT	ROOT CROWN	TRUNK	SCAFFOLDS	BRANCHES
Poor taper				
Bow, sweep				
Co-dominants, forks				
Multiple attachments				
Included bark				
Excessive end weight				
Cracks/splits				
Hangers				
Girdling				
Wounds/seam				
Decay				
Cavity				
Conks/mushrooms				
Bleeding/sap flow				
Loose/cracked bark				
Nesting hole/bee hive				
Deadwood/stubs				
Borers/termites/ants				
Cankers/gails/burls				
Previous failure				

RECOMMENDED TREATMENT

Prune: ☐ remove defective part ☐ reduce end weight ☐ crown clean ☐ thin ☐ raise canopy ☐ crown reduce ☐ restructure ☐ shape

Pest control: _____ Cable/Brace: _____

Other Activities: ☐ aerate soil ☐ remove fill soil ☐ remove irrigation/planting ☐ remove wire, etc. ☐ fertilize/water

Inspect further: ☐ root crown ☐ decay ☐ aerial ☐ monitor Remove tree? Y N Replace tree? Y N Move target:? Y N Other: See Tree Report

☒ no action required at this time

Effect on adjacent trees: ☒ none ☐ evaluate Notification: ☒ owner ☐ manager ☒ governing agency Date: _____

ADDITIONAL COMMENTS

FIELD EVALUATION FORM

Owner: _____ ☐ public ☒ private ☐ unknown ☐ other: _____

Site/Address: _____ Thomas Guide: Page: ____ Coordinate: ____

Date: 05/28/2015 Inspector: TJ Date of last inspection: _____ ☒ not previously inspected

TREE CHARACTERISTICS

Tree #: 59 Species: ☒ *Quercus agrifolia* ☐ *Quercus lobata* ☐ other _____

# of trunks: 1 dbH (inches): 3 Height (feet): 8

Compass direction	N	NE	E	SE	S	SW	W	NW
Dripline (feet)	6	3	3	3	3	3	4	0
Clearance to canopy (feet)	0	6	6	8	6	6	4	6

Form: ☒ generally symmetric ☐ minor asymmetry ☐ major asymmetry ☐ stump sprout ☐ stag-headed

Crown class: ☒ dominant ☐ co-dominant ☐ intermediate ☐ suppressed

Age class: ☒ young ☐ semi-mature ☐ mature ☐ over-mature/senescent Live crown ratio (conifers only): _____%

Pruning history: ☐ crown cleaned ☐ excessively thinned ☐ topped ☐ crown raised ☐ pollarded ☐ crown reduced ☐ flush cuts ☐ cabled/braced ☒ none ☐ multiple pruning events Approximate dates: _____ ☐ unknown

Special Value: ☐ specimen ☐ heritage/historic ☐ wildlife ☐ unusual ☐ street tree ☐ screen ☐ shade ☒ indigenous ☒ protected by government agency

TREE HEALTH

Foliage color: ☒ normal ☐ chlorotic ☐ necrotic

Epicormics? Y (N) Twig Dieback? Y (N)

Foliage density: ☒ normal ☐ sparse

Leaf size: ☒ normal ☐ small

Annual shoot growth: ☐ excellent ☒ average ☐ poor

Woundwood development: ☐ excellent ☒ average ☐ poor ☐ none

Vigor class: ☐ excellent ☒ average ☐ fair ☐ poor

Growth obstructions: ☐ stakes ☐ wire/ties ☐ signs ☐ cables ☐ curb/pavement ☐ guards ☐ other _____

Major pests/diseases: _____

SITE CONDITIONS

Site character: ☒ residence ☐ commercial ☐ industrial ☐ park ☒ open space ☒ natural ☒ woodland/forest

Landscape type: ☐ parkway ☐ raised bed ☐ container ☐ mound ☐ lawn ☒ shrub border ☐ wind break

Irrigation: ☒ none ☐ adequate ☐ inadequate ☐ excessive ☐ trunk wetted Pavement lifted? Y (N)

Recent site disturbance? Y (N) ☐ construction ☐ soil disturbance ☐ grade change ☐ line clearing ☐ site clearing

% dripline paved: 0% 10-25% 25-50% 50-75% 75-100%

% dripline w/fill soil: 0% 10-25% 25-50% 50-75% 75-100%

% dripline grade lowered: 0% 10-25% 25-50% 50-75% 75-100%

Soil problems: ☐ drainage ☐ shallow ☐ compacted ☐ droughty ☐ saline ☐ alkaline ☐ acidic ☐ small volume ☐ disease center ☐ history of failure ☐ clay ☐ expansive ☐ slope _____° aspect _____

Obstructions: ☐ lights ☐ signage ☐ line-of-sight ☐ view ☐ overhead lines ☐ underground utilities ☐ traffic ☐ adjacent vegetation ☐ other _____

Exposure to wind: ☒ single tree ☐ below canopy ☐ above canopy ☐ recently exposed ☐ windward, canopy edge ☐ area prone to windthrow

Prevailing wind direction: _____ Occurrence of snow/ice storms: ☒ never ☐ seldom ☐ regularly

FIELD EVALUATION FORM - PAGE 2 OF 2

Tree Number 59

TARGET

Use Under Tree: ☐ building ☐ parking ☐ traffic ☐ pedestrian ☐ recreation ☒ landscape ☐ hardscape ☐ small features ☐ utility lines **Can target be moved?** Y N **Can use be restricted?** Y N

Occupancy: ☒ occasional use ☐ intermittent use ☐ frequent use ☐ constant use

TREE DEFECTS - Noted as applicable

ROOT DEFECTS: **Suspect root rot?** Y N **Mushroom/conk present?** Y N **ID:** _____

Exposed roots: ☐ severe ☐ moderate ☐ low **Undermined:** ☐ severe ☐ moderate ☐ low

Root pruned: _____ feet from trunk **Root area affected:** _____% **Buttress wounded?** Y N **When:** _____

Restricted root area: ☐ severe ☐ moderate ☐ low **Potential for root failure:** ☐ severe ☐ moderate ☐ low

LEAN: _____ degrees from vertical ☐ natural ☐ unnatural ☐ self-corrected **Soil heaving?** Y N

Decay in plane of lean? Y N **Roots broken?** Y N **Soil cracking?** Y N **Lean severity:** ☐ severe ☐ moderate ☐ low

Compounding factors: _____

CROWN DEFECTS: S = severe, M = moderate, L = low

DEFECT	ROOT CROWN	TRUNK	SCAFFOLDS	BRANCHES
Poor taper				
Bow, sweep				
Co-dominants, forks				
Multiple attachments				
Included bark				
Excessive end weight				
Cracks/splits				
Hangers				
Girdling				
Wounds/seam				
Decay				
Cavity				
Conks/mushrooms				
Bleeding/sap flow				
Loose/cracked bark				
Nesting hole/bee hive				
Deadwood/stubs				
Borers/termites/ants				
Cankers/galls/burls				
Previous failure				

RECOMMENDED TREATMENT

Prune: ☐ remove defective part ☐ reduce end weight ☐ crown clean ☐ thin ☐ raise canopy ☐ crown reduce ☐ restructure ☐ shape

Pest control: _____ **Cable/Brace:** _____

Other Activities: ☐ aerate soil ☐ remove fill soil ☐ remove irrigation/planting ☐ remove wire, etc. ☐ fertilize/water

Inspect further: ☐ root crown ☐ decay ☐ aerial ☐ monitor **Remove tree?** Y N **Replace tree?** Y N **Move target:?** Y N **Other:** _____ ☐ no action required at this time

Effect on adjacent trees: ☒ none ☐ evaluate **Notification:** ☒ owner ☐ manager ☒ governing agency Date: See Tree Report

ADDITIONAL COMMENTS

FIELD EVALUATION FORM

Owner: _____ ☐ public ☑ private ☐ unknown ☐ other: _____

Site/Address: _____ Thomas Guide: Page: ____ Coordinate: ____

Date: 05/28/2015 Inspector: TJ Date of last inspection: _____ ☑ not previously inspected

TREE CHARACTERISTICS

Tree #: 60 Species: ☑ *Quercus agrifolia* ☐ *Quercus lobata* ☐ other _____

# of trunks: 1 dbH (inches): 4 Height (feet): 7

Compass direction	N	NE	E	SE	S	SW	W	NW
Dripline (feet)	5	5	7	5	6	5	4	5
Clearance to canopy (feet)	4	6	4	5	7	8	7	3

Form: ☑ generally symmetric ☐ minor asymmetry ☐ major asymmetry ☐ stump sprout ☐ stag-headed

Crown class: ☑ dominant ☐ co-dominant ☐ intermediate ☐ suppressed

Age class: ☑ young ☐ semi-mature ☐ mature ☐ over-mature/senescent Live crown ratio (conifers only): _____%

Pruning history: ☐ crown cleaned ☐ excessively thinned ☐ topped ☐ crown raised ☐ pollarded ☐ crown reduced ☐ flush cuts ☐ cabled/braced ☑ none ☐ multiple pruning events Approximate dates: _____ ☐ unknown

Special Value: ☐ specimen ☐ heritage/historic ☐ wildlife ☐ unusual ☐ street tree ☐ screen ☐ shade ☑ indigenous ☑ protected by government agency

TREE HEALTH

Foliage color: ☑ normal ☐ chlorotic ☐ necrotic

Epicormics? Y N Twig Dieback? Y N

Foliage density: ☑ normal ☐ sparse

Leaf size: ☑ normal ☐ small

Annual shoot growth: ☐ excellent ☑ average ☐ poor

Woundwood development: ☐ excellent ☑ average ☐ poor ☐ none

Vigor class: ☐ excellent ☑ average ☐ fair ☐ poor

Growth obstructions: ☐ stakes ☐ wire/ties ☐ signs ☐ cables ☐ curb/pavement ☐ guards ☐ other _____

Major pests/diseases: _____

SITE CONDITIONS

Site character: ☑ residence ☐ commercial ☐ industrial ☐ park ☑ open space ☑ natural ☑ woodland/forest

Landscape type: ☐ parkway ☐ raised bed ☐ container ☐ mound ☐ lawn ☑ shrub border ☐ wind break

Irrigation: ☑ none ☐ adequate ☐ inadequate ☐ excessive ☐ trunk wetted Pavement lifted? Y N

Recent site disturbance? Y N ☐ construction ☐ soil disturbance ☐ grade change ☐ line clearing ☐ site clearing

% dripline paved:	0%	10-25%	25-50%	50-75%	75-100%
% dripline w/fill soil:	0%	10-25%	25-50%	50-75%	75-100%
% dripline grade lowered:	0%	10-25%	25-50%	50-75%	75-100%

Soil problems: ☐ drainage ☐ shallow ☐ compacted ☐ droughty ☐ saline ☐ alkaline ☐ acidic ☐ small volume ☐ disease center ☐ history of failure ☐ clay ☐ expansive ☐ slope _____° aspect _____

Obstructions: ☐ lights ☐ signage ☐ line-of-sight ☐ view ☐ overhead lines ☐ underground utilities ☐ traffic ☐ adjacent vegetation ☐ other _____

Exposure to wind: ☑ single tree ☐ below canopy ☐ above canopy ☐ recently exposed ☐ windward, canopy edge ☐ area prone to windthrow

Prevailing wind direction: _____ Occurrence of snow/ice storms: ☑ never ☐ seldom ☐ regularly

FIELD EVALUATION FORM - PAGE 2 OF 2 Tree Number 60

TARGET

Use Under Tree: ☐ building ☐ parking ☐ traffic ☐ pedestrian ☐ recreation ☒ landscape ☐ hardscape ☐ small features ☐ utility lines **Can target be moved?** Y N **Can use be restricted?** Y N

Occupancy: ☒ occasional use ☐ intermittent use ☐ frequent use ☐ constant use

TREE DEFECTS - Noted as applicable

ROOT DEFECTS: **Suspect root rot?** Y N **Mushroom/conk present?** Y N **ID:** _____

Exposed roots: ☐ severe ☐ moderate ☐ low **Undermined:** ☐ severe ☐ moderate ☐ low

Root pruned: _____ feet from trunk **Root area affected:** _____% **Buttress wounded?** Y N **When:** _____

Restricted root area: ☐ severe ☐ moderate ☐ low **Potential for root failure:** ☐ severe ☐ moderate ☐ low

LEAN: _____ degrees from vertical ☐ natural ☐ unnatural ☐ self-corrected **Soil heaving?** Y N

Decay in plane of lean? Y N **Roots broken?** Y N **Soil cracking?** Y N **Lean severity:** ☐ severe ☐ moderate ☐ low

Compounding factors: _____

CROWN DEFECTS: S = severe, M = moderate, L = low

DEFECT	ROOT CROWN	TRUNK	SCAFFOLDS	BRANCHES
Poor taper				
Bow, sweep				
Co-dominants, forks				
Multiple attachments				
Included bark				
Excessive end weight				
Cracks/splits				
Hangers				
Girdling				
Wounds/seam				
Decay				
Cavity				
Conks/mushrooms				
Bleeding/sap flow				
Loose/cracked bark				
Nesting hole/bee hive				
Deadwood/stubs				
Borers/termites/ants				
Cankers/galls/burls				
Previous failure				

RECOMMENDED TREATMENT

Prune: ☐ remove defective part ☐ reduce end weight ☐ crown clean ☐ thin ☐ raise canopy ☐ crown reduce ☐ restructure ☐ shape

Pest control: _____ **Cable/Brace:** _____

Other Activities: ☐ aerate soil ☐ remove fill soil ☐ remove irrigation/planting ☐ remove wire, etc. ☐ fertilize/water

Inspect further: ☐ root crown ☐ decay ☐ aerial ☐ monitor **Remove tree?** Y N **Replace tree?** Y N **Move target:?** Y N **Other:** _____ ☒ no action required at this time

Effect on adjacent trees: ☒ none ☐ evaluate **Notification:** ☒ owner ☐ manager ☒ governing agency Date: See Tree Report

ADDITIONAL COMMENTS

FIELD EVALUATION FORM

Owner: _____ ☐ public ☒ private ☐ unknown ☐ other: _____

Site/Address: _____ Thomas Guide: Page: ___ Coordinate: ___

Date: 05/28/2015 Inspector: TJ Date of last inspection: _____ ☒ not previously inspected

TREE CHARACTERISTICS

Tree #: 21 Species: ☐ *Quercus agrifolia* ☐ *Quercus lobata* ☐ other _____

# of trunks: 1 dbH (inches): 11 Height (feet): 20

Compass direction	N	NE	E	SE	S	SW	W	NW
Dripline (feet)	5	0	0	0	10	8	11	12
Clearance to canopy (feet)	7	0	0	0	7	15	6	8

Form: ☐ generally symmetric ☒ minor asymmetry ☐ major asymmetry ☐ stump sprout ☐ stag-headed

Crown class: ☐ dominant ☒ co-dominant ☐ intermediate ☐ suppressed

Age class: ☐ young ☐ semi-mature ☒ mature ☐ over-mature/senescent Live crown ratio (conifers only): _____%

Pruning history: ☐ crown cleaned ☐ excessively thinned ☐ topped ☐ crown raised ☐ pollarded ☐ crown reduced ☐ flush cuts ☐ cabled/braced ☒ none ☐ multiple pruning events Approximate dates: _____ ☐ unknown

Special Value: ☐ specimen ☐ heritage/historic ☒ wildlife ☐ unusual ☐ street tree ☒ screen ☒ shade ☒ indigenous ☒ protected by government agency

TREE HEALTH

Foliage color: ☒ normal ☐ chlorotic ☐ necrotic

Epicormics? Y N Twig Dieback? Y N

Foliage density: ☒ normal ☐ sparse

Leaf size: ☒ normal ☐ small

Annual shoot growth: ☐ excellent ☒ average ☐ poor

Woundwood development: ☐ excellent ☒ average ☐ poor ☐ none

Vigor class: ☐ excellent ☒ average ☐ fair ☐ poor

Growth obstructions: ☐ stakes ☐ wire/ties ☐ signs ☐ cables ☐ curb/pavement ☐ guards ☐ other _____

Major pests/diseases: _____

SITE CONDITIONS

Site character: ☒ residence ☐ commercial ☐ industrial ☐ park ☒ open space ☒ natural ☒ woodland/forest

Landscape type: ☐ parkway ☐ raised bed ☐ container ☐ mound ☐ lawn ☒ shrub border ☐ wind break

Irrigation: ☒ none ☐ adequate ☐ inadequate ☐ excessive ☐ trunk wetted Pavement lifted? Y N

Recent site disturbance? Y N ☐ construction ☐ soil disturbance ☐ grade change ☐ line clearing ☐ site clearing

% dripline paved:	0%	10-25%	25-50%	50-75%	75-100%
% dripline w/fill soil:	0%	10-25%	25-50%	50-75%	75-100%
% dripline grade lowered:	0%	10-25%	25-50%	50-75%	75-100%

Soil problems: ☐ drainage ☐ shallow ☐ compacted ☐ droughty ☐ saline ☐ alkaline ☐ acidic ☐ small volume ☐ disease center ☐ history of failure ☐ clay ☐ expansive ☐ slope _____° aspect _____

Obstructions: ☐ lights ☐ signage ☐ line-of-sight ☐ view ☐ overhead lines ☐ underground utilities ☐ traffic ☐ adjacent vegetation ☐ other _____

Exposure to wind: ☐ single tree ☒ below canopy ☐ above canopy ☐ recently exposed ☐ windward, canopy edge ☐ area prone to windthrow

Prevailing wind direction: _____ Occurrence of snow/ice storms: ☒ never ☐ seldom ☐ regularly

FIELD EVALUATION FORM - PAGE 2 OF 2 Tree Number 61

TARGET

Use Under Tree: ☐ building ☐ parking ☐ traffic ☐ pedestrian ☐ recreation ☑ landscape ☐ hardscape ☐ small features ☐ utility lines **Can target be moved?** Y N **Can use be restricted?** Y N

Occupancy: ☑ occasional use ☐ intermittent use ☐ frequent use ☐ constant use

TREE DEFECTS - Noted as applicable

ROOT DEFECTS: **Suspect root rot?** Y N **Mushroom/conk present?** Y N **ID:** _____

Exposed roots: ☐ severe ☐ moderate ☐ low **Undermined:** ☐ severe ☐ moderate ☐ low

Root pruned: _____ feet from trunk **Root area affected:** _____% **Buttress wounded?** Y N **When:** _____

Restricted root area: ☐ severe ☐ moderate ☐ low **Potential for root failure:** ☐ severe ☐ moderate ☐ low

LEAN: _____ degrees from vertical ☐ natural ☐ unnatural ☐ self-corrected **Soil heaving?** Y N

Decay in plane of lean? Y N **Roots broken?** Y N **Soil cracking?** Y N **Lean severity:** ☐ severe ☐ moderate ☐ low

Compounding factors: _____

CROWN DEFECTS: S = severe, M = moderate, L = low

DEFECT	ROOT CROWN	TRUNK	SCAFFOLDS	BRANCHES
Poor taper				
Bow, sweep				
Co-dominants, forks				
Multiple attachments				
Included bark				
Excessive end weight				
Cracks/splits				
Hangers				
Girdling				
Wounds/seam				
Decay				
Cavity				
Conks/mushrooms				
Bleeding/sap flow				
Loose/cracked bark				
Nesting hole/bee hive				
Deadwood/stubs				
Borers/termites/ants				
Cankers/galls/burls				
Previous failure				

RECOMMENDED TREATMENT

Prune: ☐ remove defective part ☐ reduce end weight ☐ crown clean ☐ thin ☐ raise canopy ☐ crown reduce ☐ restructure ☐ shape

Pest control: _____ **Cable/Brace:** _____

Other Activities: ☐ aerate soil ☐ remove fill soil ☐ remove irrigation/planting ☐ remove wire, etc. ☐ fertilize/water

Inspect further: ☐ root crown ☐ decay ☐ aerial ☐ monitor **Remove tree?** Y N **Replace tree?** Y N **Move target:?** Y N **Other:** _____ ☑ no action required at this time

Effect on adjacent trees: ☑ none ☐ evaluate **Notification:** ☑ owner ☐ manager ☑ governing agency Date: See Tree Report

ADDITIONAL COMMENTS

FIELD EVALUATION FORM - PAGE 2 OF 2

Tree Number 62

TARGET

Use Under Tree: ☐ building ☐ parking ☐ traffic ☐ pedestrian ☐ recreation ☑ landscape ☐ hardscape ☐ small features ☐ utility lines Can target be moved? Y N Can use be restricted? Y N

Occupancy: ☐ occasional use ☐ intermittent use ☐ frequent use ☐ constant use

TREE DEFECTS - Noted as applicable

ROOT DEFECTS: Suspect root rot? Y N Mushroom/conk present? Y N ID: _____

Exposed roots: ☐ severe ☐ moderate ☐ low Undermined: ☐ severe ☐ moderate ☐ low

Root pruned: _____ feet from trunk Root area affected: _____% Buttress wounded? Y N When: _____

Restricted root area: ☐ severe ☐ moderate ☐ low Potential for root failure: ☐ severe ☐ moderate ☐ low

LEAN: _____ degrees from vertical ☐ natural ☐ unnatural ☐ self-corrected Soil heaving? Y N

Decay in plane of lean? Y N Roots broken? Y N Soil cracking? Y N Lean severity: ☐ severe ☐ moderate ☐ low

Compounding factors: _____

CROWN DEFECTS: S = severe, M = moderate, L = low

DEFECT	ROOT CROWN	TRUNK	SCAFFOLDS	BRANCHES
Poor taper				
Bow, sweep				
Co-dominants, forks				
Multiple attachments				
Included bark				
Excessive end weight				
Cracks/splits				
Hangers				
Girdling				
Wounds/seam				
Decay				
Cavity				
Conks/mushrooms				
Bleeding/sap flow				
Loose/cracked bark				
Nesting hole/bee hive				
Deadwood/stubs				
Borers/termites/ants				
Cankers/galls/burls				
Previous failure				

RECOMMENDED TREATMENT

Prune: ☐ remove defective part ☐ reduce end weight ☐ crown clean ☐ thin ☐ raise canopy ☐ crown reduce ☐ restructure ☐ shape

Pest control: _____ Cable/Brace: _____

Other Activities: ☐ aerate soil ☐ remove fill soil ☐ remove irrigation/planting ☐ remove wire, etc. ☐ fertilize/water

Inspect further: ☐ root crown ☐ decay ☐ aerial ☐ monitor Remove tree? Y N Replace tree? Y N Move target:? Y N Other: _____ ☑ no action required at this time

Effect on adjacent trees: ☑ none ☐ evaluate Notification: ☑ owner ☐ manager ☐ governing agency Date: See Tree Report

ADDITIONAL COMMENTS

FIELD EVALUATION FORM

Owner: _____ ☐ public ☒ private ☐ unknown ☐ other: _____

Site/Address: _____ Thomas Guide: Page: ____ Coordinate: ____

Date: 05/29/2015 Inspector: TJ Date of last inspection: _____ ☒ not previously inspected

TREE CHARACTERISTICS

Tree #: 63 Species: ☒ *Quercus agrifolia* ☐ *Quercus lobata* ☐ other _____

# of trunks: 1 dbH (inches): 6 Height (feet): 15

Compass direction	N	NE	E	SE	S	SW	W	NW
Dripline (feet)	8	9	4	0	6	6	4	5
Clearance to canopy (feet)	6	7	10	0	15	10	8	8

Form: ☐ generally symmetric ☒ minor asymmetry ☐ major asymmetry ☐ stump sprout ☐ stag-headed

Crown class: ☐ dominant ☒ co-dominant ☐ intermediate ☐ suppressed

Age class: ☒ young ☐ semi-mature ☐ mature ☐ over-mature/senescent Live crown ratio (conifers only): _____%

Pruning history: ☐ crown cleaned ☐ excessively thinned ☐ topped ☐ crown raised ☐ pollarded ☐ crown reduced ☐ flush cuts ☐ cabled/braced ☒ none ☐ multiple pruning events Approximate dates: _____ ☐ unknown

Special Value: ☐ specimen ☐ heritage/historic ☐ wildlife ☐ unusual ☐ street tree ☐ screen ☐ shade ☒ indigenous ☒ protected by government agency

TREE HEALTH

Foliage color: ☒ normal ☐ chlorotic ☐ necrotic

Epicormics? Y (N) Twig Dieback? Y (N)

Foliage density: ☒ normal ☐ sparse

Leaf size: ☒ normal ☐ small

Annual shoot growth: ☐ excellent ☒ average ☐ poor

Woundwood development: ☐ excellent ☒ average ☐ poor ☐ none

Vigor class: ☐ excellent ☒ average ☐ fair ☐ poor

Growth obstructions: ☐ stakes ☐ wire/ties ☐ signs ☐ cables ☐ curb/pavement ☐ guards ☐ other _____

Major pests/diseases: _____

SITE CONDITIONS

Site character: ☒ residence ☐ commercial ☐ industrial ☐ park ☒ open space ☒ natural ☒ woodland/forest

Landscape type: ☐ parkway ☐ raised bed ☐ container ☐ mound ☐ lawn ☒ shrub border ☐ wind break

Irrigation: ☒ none ☐ adequate ☐ inadequate ☐ excessive ☐ trunk wetted Pavement lifted? Y (N)

Recent site disturbance? Y (N) ☐ construction ☐ soil disturbance ☐ grade change ☐ line clearing ☐ site clearing

% dripline paved:	0%	10-25%	25-50%	50-75%	75-100%
% dripline w/fill soil:	0%	10-25%	25-50%	50-75%	75-100%
% dripline grade lowered:	0%	10-25%	25-50%	50-75%	75-100%

Soil problems: ☐ drainage ☐ shallow ☐ compacted ☐ droughty ☐ saline ☐ alkaline ☐ acidic ☐ small volume ☐ disease center ☐ history of failure ☐ clay ☐ expansive ☐ slope _____° aspect _____

Obstructions: ☐ lights ☐ signage ☐ line-of-sight ☐ view ☐ overhead lines ☐ underground utilities ☐ traffic ☐ adjacent vegetation ☐ other _____

Exposure to wind: ☐ single tree ☒ below canopy ☐ above canopy ☐ recently exposed ☐ windward, canopy edge ☐ area prone to windthrow

Prevailing wind direction: _____ Occurrence of snow/ice storms: ☒ never ☐ seldom ☐ regularly

FIELD EVALUATION FORM - PAGE 2 OF 2

Tree Number 63

TARGET

Use Under Tree: ☐ building ☐ parking ☐ traffic ☐ pedestrian ☐ recreation ☒ landscape ☐ hardscape ☐ small features ☐ utility lines Can target be moved? Y N Can use be restricted? Y N

Occupancy: ☒ occasional use ☐ intermittent use ☐ frequent use ☐ constant use

TREE DEFECTS - Noted as applicable

ROOT DEFECTS: Suspect root rot? Y N Mushroom/conk present? Y N ID: _____

Exposed roots: ☐ severe ☐ moderate ☐ low Undermined: ☐ severe ☐ moderate ☐ low

Root pruned: _____ feet from trunk Root area affected: _____% Buttress wounded? Y N When: _____

Restricted root area: ☐ severe ☐ moderate ☐ low Potential for root failure: ☐ severe ☐ moderate ☐ low

LEAN: _____ degrees from vertical ☐ natural ☐ unnatural ☐ self-corrected Soil heaving? Y N

Decay in plane of lean? Y N Roots broken? Y N Soil cracking? Y N Lean severity: ☐ severe ☐ moderate ☐ low

Compounding factors: _____

CROWN DEFECTS: S = severe, M = moderate, L = low

DEFECT	ROOT CROWN	TRUNK	SCAFFOLDS	BRANCHES
Poor taper				
Bow, sweep				
Co-dominants, forks				
Multiple attachments				
Included bark				
Excessive end weight				
Cracks/splits				
Hangers				
Girdling				
Wounds/seam				
Decay				
Cavity				
Conks/mushrooms				
Bleeding/sap flow				
Loose/cracked bark				
Nesting hole/bee hive				
Deadwood/stubs				
Borers/termites/ants				
Cankers/galls/burls				
Previous failure				

RECOMMENDED TREATMENT

Prune: ☐ remove defective part ☐ reduce end weight ☐ crown clean ☐ thin ☐ raise canopy ☐ crown reduce ☐ restructure ☐ shape

Pest control: _____ Cable/Brace: _____

Other Activities: ☐ aerate soil ☐ remove fill soil ☐ remove irrigation/planting ☐ remove wire, etc. ☐ fertilize/water

Inspect further: ☐ root crown ☐ decay ☐ aerial ☐ monitor Remove tree? Y N Replace tree? Y N Move target:? Y N Other: _____ ☒ no action required at this time

Effect on adjacent trees: ☒ none ☐ evaluate Notification: ☐ owner ☐ manager ☒ governing agency Date: See Tree Report

ADDITIONAL COMMENTS

FIELD EVALUATION FORM

Owner: _____ ☐ public ☑ private ☐ unknown ☐ other: _____

Site/Address: _____ Thomas Guide: Page: ____ Coordinate: ____

Date: 05/28/2015 Inspector: TJ Date of last inspection: _____ ☑ not previously inspected

TREE CHARACTERISTICS

Tree #: 64 Species: ☑ *Quercus agrifolia* ☐ *Quercus lobata* ☐ other _____

# of trunks: 2 dbH (inches): 3@4.5', 2@4.5' Height (feet): 12

Compass direction	N	NE	E	SE	S	SW	W	NW
Dripline (feet)	6	4	5	4	7	0	0	0
Clearance to canopy (feet)	7	8	10	6	5	0	0	0

Form: ☐ generally symmetric ☑ minor asymmetry ☐ major asymmetry ☐ stump sprout ☐ stag-headed

Crown class: ☐ dominant ☑ co-dominant ☐ intermediate ☐ suppressed

Age class: ☑ young ☐ semi-mature ☐ mature ☐ over-mature/senescent Live crown ratio (conifers only): _____%

Pruning history: ☐ crown cleaned ☐ excessively thinned ☐ topped ☐ crown raised ☐ pollarded ☐ crown reduced ☐ flush cuts ☐ cabled/braced ☑ none ☐ multiple pruning events Approximate dates: _____ ☐ unknown

Special Value: ☐ specimen ☐ heritage/historic ☐ wildlife ☐ unusual ☐ street tree ☐ screen ☐ shade ☑ indigenous ☑ protected by government agency

TREE HEALTH

Foliage color: ☑ normal ☐ chlorotic ☐ necrotic

Epicormics? Y (N) Twig Dieback? Y (N)

Foliage density: ☑ normal ☐ sparse

Leaf size: ☑ normal ☐ small

Annual shoot growth: ☐ excellent ☑ average ☐ poor

Woundwood development: ☐ excellent ☑ average ☐ poor ☐ none

Vigor class: ☐ excellent ☑ average ☐ fair ☐ poor

Growth obstructions: ☐ stakes ☐ wire/ties ☐ signs ☐ cables ☐ curb/pavement ☐ guards ☐ other _____

Major pests/diseases: _____

SITE CONDITIONS

Site character: ☑ residence ☐ commercial ☐ industrial ☐ park ☑ open space ☑ natural ☑ woodland/forest

Landscape type: ☐ parkway ☐ raised bed ☐ container ☐ mound ☐ lawn ☑ shrub border ☐ wind break

Irrigation: ☑ none ☐ adequate ☐ inadequate ☐ excessive ☐ trunk wetted Pavement lifted? Y (N)

Recent site disturbance? Y (N) ☐ construction ☐ soil disturbance ☐ grade change ☐ line clearing ☐ site clearing

% dripline paved:	0%	10-25%	25-50%	50-75%	75-100%
% dripline w/fill soil:	0%	10-25%	25-50%	50-75%	75-100%
% dripline grade lowered:	0%	10-25%	25-50%	50-75%	75-100%

Soil problems: ☐ drainage ☐ shallow ☐ compacted ☐ droughty ☐ saline ☐ alkaline ☐ acidic ☐ small volume ☐ disease center ☐ history of failure ☐ clay ☐ expansive ☐ slope _____° aspect _____

Obstructions: ☐ lights ☐ signage ☐ line-of-sight ☐ view ☐ overhead lines ☐ underground utilities ☐ traffic ☐ adjacent vegetation ☐ other _____

Exposure to wind: ☐ single tree ☑ below canopy ☐ above canopy ☐ recently exposed ☐ windward, canopy edge ☐ area prone to windthrow

Prevailing wind direction: _____ Occurrence of snow/ice storms: ☑ never ☐ seldom ☐ regularly

FIELD EVALUATION FORM - PAGE 2 OF 2

Tree Number 64

TARGET

Use Under Tree: ☐ building ☐ parking ☐ traffic ☐ pedestrian ☐ recreation ☒ landscape ☐ hardscape ☐ small features ☐ utility lines Can target be moved? Y N Can use be restricted? Y N

Occupancy: ☒ occasional use ☐ intermittent use ☐ frequent use ☐ constant use

TREE DEFECTS - Noted as applicable

ROOT DEFECTS: Suspect root rot? Y N Mushroom/conk present? Y N ID: _____

Exposed roots: ☐ severe ☐ moderate ☐ low Undermined: ☐ severe ☐ moderate ☐ low

Root pruned: _____ feet from trunk Root area affected: _____% Buttress wounded? Y N When: _____

Restricted root area: ☐ severe ☐ moderate ☐ low Potential for root failure: ☐ severe ☐ moderate ☐ low

LEAN: _____ degrees from vertical ☐ natural ☐ unnatural ☐ self-corrected Soil heaving? Y N

Decay in plane of lean? Y N Roots broken? Y N Soil cracking? Y N Lean severity: ☐ severe ☐ moderate ☐ low

Compounding factors: _____

CROWN DEFECTS: S = severe, M = moderate, L = low

DEFECT	ROOT CROWN	TRUNK	SCAFFOLDS	BRANCHES
Poor taper				
Bow, sweep				
Co-dominants, forks				
Multiple attachments				
Included bark				
Excessive end weight				
Cracks/splits				
Hangers				
Girdling				
Wounds/seam				
Decay				
Cavity				
Conks/mushrooms				
Bleeding/sap flow				
Loose/cracked bark				
Nesting hole/bee hive				
Deadwood/stubs				
Borers/termites/ants				
Cankers/galls/burls				
Previous failure				

RECOMMENDED TREATMENT

Prune: ☐ remove defective part ☐ reduce end weight ☐ crown clean ☐ thin ☐ raise canopy ☐ crown reduce ☐ restructure ☐ shape

Pest control: _____ Cable/Brace: _____

Other Activities: ☐ aerate soil ☐ remove fill soil ☐ remove irrigation/planting ☐ remove wire, etc. ☐ fertilize/water

Inspect further: ☐ root crown ☐ decay ☐ aerial ☐ monitor Remove tree? Y N Replace tree? Y N Move target:? Y N Other:

☒ no action required at this time

Effect on adjacent trees: ☒ none ☐ evaluate Notification: ☒ owner ☐ manager ☐ governing agency Date: See Tree Report

ADDITIONAL COMMENTS

FIELD EVALUATION FORM

Owner: _____ ☐ public ☒ private ☐ unknown ☐ other: _____

Site/Address: _____ Thomas Guide: Page: ____ Coordinate: ____

Date: 05/28/2015 Inspector: TJ Date of last inspection: _____ ☒ not previously inspected

TREE CHARACTERISTICS

Tree #: 45 Species: ☒ *Quercus agrifolia* ☐ *Quercus lobata* ☐ other _____

# of trunks: 1 dbH (inches): 3 Height (feet): 10

Compass direction	N	NE	E	SE	S	SW	W	NW
Dripline (feet)	0	0	3	3	5	7	5	0
Clearance to canopy (feet)	0	0	6	7	10	10	10	0

Form: ☐ generally symmetric ☒ minor asymmetry ☐ major asymmetry ☐ stump sprout ☐ stag-headed

Crown class: ☐ dominant ☒ co-dominant ☐ intermediate ☐ suppressed

Age class: ☒ young ☐ semi-mature ☐ mature ☐ over-mature/senescent Live crown ratio (conifers only): _____%

Pruning history: ☐ crown cleaned ☐ excessively thinned ☐ topped ☐ crown raised ☐ pollarded ☐ crown reduced ☐ flush cuts ☐ cabled/braced ☒ none ☐ multiple pruning events Approximate dates: _____ ☐ unknown

Special Value: ☐ specimen ☐ heritage/historic ☐ wildlife ☐ unusual ☐ street tree ☐ screen ☐ shade ☒ indigenous ☒ protected by government agency

TREE HEALTH

Foliage color: ☒ normal ☐ chlorotic ☐ necrotic

Epicormics? Y N Twig Dieback? Y N

Foliage density: ☒ normal ☐ sparse

Leaf size: ☒ normal ☐ small

Annual shoot growth: ☐ excellent ☒ average ☐ poor

Woundwood development: ☐ excellent ☒ average ☐ poor ☐ none

Vigor class: ☐ excellent ☒ average ☐ fair ☐ poor

Growth obstructions: ☐ stakes ☐ wire/ties ☐ signs ☐ cables ☐ curb/pavement ☐ guards ☐ other _____

Major pests/diseases: _____

SITE CONDITIONS

Site character: ☒ residence ☐ commercial ☐ industrial ☐ park ☒ open space ☒ natural ☒ woodland/forest

Landscape type: ☐ parkway ☐ raised bed ☐ container ☐ mound ☐ lawn ☐ shrub border ☐ wind break

Irrigation: ☒ none ☐ adequate ☐ inadequate ☐ excessive ☐ trunk wetted Pavement lifted? Y N

Recent site disturbance? Y N ☐ construction ☐ soil disturbance ☐ grade change ☐ line clearing ☐ site clearing

% dripline paved: 0% 10-25% 25-50% 50-75% 75-100%

% dripline w/fill soil: 0% 10-25% 25-50% 50-75% 75-100%

% dripline grade lowered: 0% 10-25% 25-50% 50-75% 75-100%

Soil problems: ☐ drainage ☐ shallow ☐ compacted ☐ droughty ☐ saline ☐ alkaline ☐ acidic ☐ small volume ☐ disease center ☐ history of failure ☐ clay ☐ expansive ☐ slope _____° aspect _____

Obstructions: ☐ lights ☐ signage ☐ line-of-sight ☐ view ☐ overhead lines ☐ underground utilities ☐ traffic ☐ adjacent vegetation ☐ other _____

Exposure to wind: ☐ single tree ☒ below canopy ☐ above canopy ☐ recently exposed ☐ windward, canopy edge ☐ area prone to windthrow

Prevailing wind direction: _____ Occurrence of snow/ice storms: ☒ never ☐ seldom ☐ regularly

FIELD EVALUATION FORM - PAGE 2 OF 2 Tree Number 65

TARGET

Use Under Tree: ☐ building ☐ parking ☐ traffic ☐ pedestrian ☐ recreation ☒ landscape ☐ hardscape ☐ small features ☐ utility lines **Can target be moved?** Y N **Can use be restricted?** Y N

Occupancy: ☒ occasional use ☐ intermittent use ☐ frequent use ☐ constant use

TREE DEFECTS - Noted as applicable

ROOT DEFECTS: **Suspect root rot?** Y N **Mushroom/conk present?** Y N **ID:** _____

Exposed roots: ☐ severe ☐ moderate ☐ low **Undermined:** ☐ severe ☐ moderate ☐ low

Root pruned: _____ feet from trunk **Root area affected:** _____% **Buttress wounded?** Y N **When:** _____

Restricted root area: ☐ severe ☐ moderate ☐ low **Potential for root failure:** ☐ severe ☐ moderate ☐ low

LEAN: _____ degrees from vertical ☐ natural ☐ unnatural ☐ self-corrected **Soil heaving?** Y N

Decay in plane of lean? Y N **Roots broken?** Y N **Soil cracking?** Y N **Lean severity:** ☐ severe ☐ moderate ☐ low

Compounding factors: _____

CROWN DEFECTS: S = severe, M = moderate, L = low

DEFECT	ROOT CROWN	TRUNK	SCAFFOLDS	BRANCHES
Poor taper				
Bow, sweep				
Co-dominants, forks				
Multiple attachments				
Included bark				
Excessive end weight				
Cracks/splits				
Hangers				
Girdling				
Wounds/seam				
Decay				
Cavity				
Conks/mushrooms				
Bleeding/sap flow				
Loose/cracked bark				
Nesting hole/bee hive				
Deadwood/stubs				
Borers/termites/ants				
Cankers/galls/burls				
Previous failure				

RECOMMENDED TREATMENT

Prune: ☐ remove defective part ☐ reduce end weight ☐ crown clean ☐ thin ☐ raise canopy ☐ crown reduce ☐ restructure ☐ shape

Pest control: _____ **Cable/Brace:** _____

Other Activities: ☐ aerate soil ☐ remove fill soil ☐ remove irrigation/planting ☐ remove wire, etc. ☐ fertilize/water

Inspect further: ☐ root crown ☐ decay ☐ aerial ☐ monitor **Remove tree?** Y N **Replace tree?** Y N **Move target:?** Y N **Other:** _____ ☒ no action required at this time

Effect on adjacent trees: ☒ none ☐ evaluate **Notification:** ☒ owner ☐ manager ☒ governing agency Date: See Tree Report

ADDITIONAL COMMENTS

FIELD EVALUATION FORM

Owner: _____ ☐ public ☒ private ☐ unknown ☐ other: _____

Site/Address: _____ Thomas Guide: Page: ____ Coordinate: ____

Date: 05/28/2015 Inspector: TJ Date of last inspection: _____ ☒ not previously inspected

TREE CHARACTERISTICS

Tree #: 66 Species: ☒ *Quercus agrifolia* ☐ *Quercus lobata* ☐ other _____

# of trunks: 1 dbH (inches): 3 Height (feet): 12

Compass direction	N	NE	E	SE	S	SW	W	NW
Dripline (feet)	7	8	6	8	8	8	8	8
Clearance to canopy (feet)	10	10	8	8	8	8	8	12

Form: ☐ generally symmetric ☒ minor asymmetry ☐ major asymmetry ☐ stump sprout ☐ stag-headed

Crown class: ☐ dominant ☒ co-dominant ☐ intermediate ☐ suppressed

Age class: ☒ young ☐ semi-mature ☐ mature ☐ over-mature/senescent Live crown ratio (conifers only): _____%

Pruning history: ☐ crown cleaned ☐ excessively thinned ☐ topped ☐ crown raised ☐ pollarded ☐ crown reduced ☐ flush cuts ☐ cabled/braced ☒ none ☐ multiple pruning events Approximate dates: _____ ☐ unknown

Special Value: ☐ specimen ☐ heritage/historic ☐ wildlife ☐ unusual ☐ street tree ☐ screen ☐ shade ☒ indigenous ☒ protected by government agency

TREE HEALTH

Foliage color: ☒ normal ☐ chlorotic ☐ necrotic

Epicormics? Y (N) Twig Dieback? (Y) N

Foliage density: ☐ normal ☒ sparse

Leaf size: ☒ normal ☐ small

Annual shoot growth: ☐ excellent ☒ average ☐ poor

Woundwood development: ☐ excellent ☒ average ☐ poor ☐ none

Vigor class: ☐ excellent ☒ average ☐ fair ☐ poor

Growth obstructions: ☐ stakes ☐ wire/ties ☐ signs ☐ cables ☐ curb/pavement ☐ guards ☐ other _____

Major pests/diseases: _____

SITE CONDITIONS

Site character: ☐ residence ☐ commercial ☐ industrial ☐ park ☒ open space ☒ natural ☒ woodland/forest

Landscape type: ☐ parkway ☐ raised bed ☐ container ☐ mound ☐ lawn ☒ shrub border ☐ wind break

Irrigation: ☒ none ☐ adequate ☐ inadequate ☐ excessive ☐ trunk wetted Pavement lifted? Y (N)

Recent site disturbance? Y (N) ☐ construction ☐ soil disturbance ☐ grade change ☐ line clearing ☐ site clearing

% dripline paved:	0%	10-25%	25-50%	50-75%	75-100%
% dripline w/fill soil:	0%	10-25%	25-50%	50-75%	75-100%
% dripline grade lowered:	0%	10-25%	25-50%	50-75%	75-100%

Soil problems: ☐ drainage ☐ shallow ☐ compacted ☐ droughty ☐ saline ☐ alkaline ☐ acidic ☐ small volume ☐ disease center ☐ history of failure ☐ clay ☐ expansive ☐ slope _____° aspect _____

Obstructions: ☐ lights ☐ signage ☐ line-of-sight ☐ view ☐ overhead lines ☐ underground utilities ☐ traffic ☐ adjacent vegetation ☐ other _____

Exposure to wind: ☐ single tree ☒ below canopy ☐ above canopy ☐ recently exposed ☐ windward, canopy edge ☐ area prone to windthrow

Prevailing wind direction: _____ Occurrence of snow/ice storms: ☒ never ☐ seldom ☐ regularly

FIELD EVALUATION FORM - PAGE 2 OF 2 Tree Number 66

TARGET

Use Under Tree: ☐ building ☐ parking ☐ traffic ☐ pedestrian ☐ recreation ☒ landscape ☐ hardscape ☐ small features ☐ utility lines **Can target be moved?** Y (N) **Can use be restricted?** (Y) N

Occupancy: ☒ occasional use ☐ intermittent use ☐ frequent use ☐ constant use

TREE DEFECTS - Noted as applicable

ROOT DEFECTS: **Suspect root rot?** Y (N) **Mushroom/conk present?** Y (N) ID: _____

Exposed roots: ☐ severe ☐ moderate ☐ low **Undermined:** ☐ severe ☐ moderate ☐ low

Root pruned: _____ feet from trunk **Root area affected:** _____% **Buttress wounded?** Y N **When:** _____

Restricted root area: ☐ severe ☐ moderate ☐ low **Potential for root failure:** ☐ severe ☐ moderate ☐ low

LEAN: _____ degrees from vertical ☐ natural ☐ unnatural ☐ self-corrected **Soil heaving?** Y N

Decay in plane of lean? Y N **Roots broken?** Y N **Soil cracking?** Y N **Lean severity:** ☐ severe ☐ moderate ☐ low

Compounding factors: _____

CROWN DEFECTS: S = severe, M = moderate, L = low

DEFECT	ROOT CROWN	TRUNK	SCAFFOLDS	BRANCHES
Poor taper				
Bow, sweep				
Co-dominants, forks				
Multiple attachments				
Included bark				
Excessive end weight				
Cracks/splits				
Hangers				
Girdling				
Wounds/seam				
Decay				
Cavity				
Conks/mushrooms				
Bleeding/sap flow				
Loose/cracked bark				
Nesting hole/bee hive				
Deadwood/stubs				
Borers/termites/ants				
Cankers/galls/burls				
Previous failure				

RECOMMENDED TREATMENT

Prune: ☐ remove defective part ☐ reduce end weight ☐ crown clean ☐ thin ☐ raise canopy ☐ crown reduce ☐ restructure ☐ shape

Pest control: _____ **Cable/Brace:** _____

Other Activities: ☐ aerate soil ☐ remove fill soil ☐ remove irrigation/planting ☐ remove wire, etc. ☐ fertilize/water

Inspect further: ☐ root crown ☐ decay ☐ aerial ☐ monitor **Remove tree?** Y (N) **Replace tree?** Y (N) **Move target:?** Y (N) **Other:** _____ ☒ no action required at this time

Effect on adjacent trees: ☒ none ☐ evaluate **Notification:** ☒ owner ☐ manager ☒ governing agency Date: See Tree Report

ADDITIONAL COMMENTS

FIELD EVALUATION FORM

Owner: _____ ☐ public ☒ private ☐ unknown ☐ other: _____

Site/Address: _____ Thomas Guide: Page: ____ Coordinate: ____

Date: 05/28/2015 Inspector: TJ Date of last inspection: _____ ☒ not previously inspected

TREE CHARACTERISTICS

Tree #: 67 Species: ☒ *Quercus agrifolia* ☐ *Quercus lobata* ☐ other _____

# of trunks: 1 dbH (inches): 3 Height (feet): 10

Compass direction	N	NE	E	SE	S	SW	W	NW
Dripline (feet)	6	3	5	5	4	4	5	7
Clearance to canopy (feet)	8	4	6	6	6	8	6	8

Form: ☐ generally symmetric ☒ minor asymmetry ☐ major asymmetry ☐ stump sprout ☐ stag-headed

Crown class: ☐ dominant ☒ co-dominant ☐ intermediate ☐ suppressed

Age class: ☒ young ☐ semi-mature ☐ mature ☐ over-mature/senescent Live crown ratio (conifers only): _____%

Pruning history: ☐ crown cleaned ☐ excessively thinned ☐ topped ☐ crown raised ☐ pollarded ☐ crown reduced ☐ flush cuts ☐ cabled/braced ☒ none ☐ multiple pruning events Approximate dates: _____ ☐ unknown

Special Value: ☐ specimen ☐ heritage/historic ☐ wildlife ☐ unusual ☐ street tree ☐ screen ☐ shade ☒ indigenous ☒ protected by government agency

TREE HEALTH

Foliage color: ☒ normal ☐ chlorotic ☐ necrotic

Epicormics? Y (N) Twig Dieback? Y (N)

Foliage density: ☒ normal ☐ sparse

Leaf size: ☒ normal ☐ small

Annual shoot growth: ☐ excellent ☒ average ☐ poor

Woundwood development: ☐ excellent ☒ average ☐ poor ☐ none

Vigor class: ☐ excellent ☒ average ☐ fair ☐ poor

Growth obstructions: ☐ stakes ☐ wire/ties ☐ signs ☐ cables ☐ curb/pavement ☐ guards ☐ other _____

Major pests/diseases: _____

SITE CONDITIONS

Site character: ☒ residence ☐ commercial ☐ industrial ☐ park ☒ open space ☒ natural ☒ woodland/forest

Landscape type: ☐ parkway ☐ raised bed ☐ container ☐ mound ☐ lawn ☒ shrub border ☐ wind break

Irrigation: ☒ none ☐ adequate ☐ inadequate ☐ excessive ☐ trunk wetted Pavement lifted? Y (N)

Recent site disturbance? Y (N) ☐ construction ☐ soil disturbance ☐ grade change ☐ line clearing ☐ site clearing

% dripline paved:	0%	10-25%	25-50%	50-75%	75-100%
% dripline w/fill soil:	0%	10-25%	25-50%	50-75%	75-100%
% dripline grade lowered:	0%	10-25%	25-50%	50-75%	75-100%

Soil problems: ☐ drainage ☐ shallow ☐ compacted ☐ droughty ☐ saline ☐ alkaline ☐ acidic ☐ small volume ☐ disease center ☐ history of failure ☐ clay ☐ expansive ☐ slope _____° aspect _____

Obstructions: ☐ lights ☐ signage ☐ line-of-sight ☐ view ☐ overhead lines ☐ underground utilities ☐ traffic ☐ adjacent vegetation ☐ other _____

Exposure to wind: ☐ single tree ☒ below canopy ☐ above canopy ☐ recently exposed ☐ windward, canopy edge ☐ area prone to windthrow

Prevailing wind direction: _____ Occurrence of snow/ice storms: ☒ never ☐ seldom ☐ regularly

FIELD EVALUATION FORM - PAGE 2 OF 2 Tree Number 67

TARGET

Use Under Tree: ☐ building ☐ parking ☐ traffic ☐ pedestrian ☐ recreation ☒ landscape ☐ hardscape ☐ small features ☐ utility lines **Can target be moved?** Y N **Can use be restricted?** Y N

Occupancy: ☒ occasional use ☐ intermittent use ☐ frequent use ☐ constant use

TREE DEFECTS - Noted as applicable

ROOT DEFECTS: **Suspect root rot?** Y N **Mushroom/conk present?** Y N **ID:** _____

Exposed roots: ☐ severe ☐ moderate ☐ low **Undermined:** ☐ severe ☐ moderate ☐ low

Root pruned: _____ feet from trunk **Root area affected:** _____% **Buttress wounded?** Y N **When:** _____

Restricted root area: ☐ severe ☐ moderate ☐ low **Potential for root failure:** ☐ severe ☐ moderate ☐ low

LEAN: _____ degrees from vertical ☐ natural ☐ unnatural ☐ self-corrected **Soil heaving?** Y N

Decay in plane of lean? Y N **Roots broken?** Y N **Soil cracking?** Y N **Lean severity:** ☐ severe ☐ moderate ☐ low

Compounding factors: _____

CROWN DEFECTS: S = severe, M = moderate, L = low

DEFECT	ROOT CROWN	TRUNK	SCAFFOLDS	BRANCHES
Poor taper				
Bow, sweep				
Co-dominants, forks				
Multiple attachments				
Included bark				
Excessive end weight				
Cracks/splits				
Hangers				
Girdling				
Wounds/seam				
Decay				
Cavity				
Conks/mushrooms				
Bleeding/sap flow				
Loose/cracked bark				
Nesting hole/bee hive				
Deadwood/stubs				
Borers/termites/ants				
Cankers/galls/burls				
Previous failure				

RECOMMENDED TREATMENT

Prune: ☐ remove defective part ☐ reduce end weight ☐ crown clean ☐ thin ☐ raise canopy ☐ crown reduce ☐ restructure ☐ shape

Pest control: _____ **Cable/Brace:** _____

Other Activities: ☐ aerate soil ☐ remove fill soil ☐ remove irrigation/planting ☐ remove wire, etc. ☐ fertilize/water

Inspect further: ☐ root crown ☐ decay ☐ aerial ☐ monitor **Remove tree?** Y N **Replace tree?** Y N **Move target:?** Y N **Other:** _____ ☒ no action required at this time

Effect on adjacent trees: ☒ none ☐ evaluate **Notification:** ☒ owner ☐ manager ☒ governing agency Date: See Tree Report

ADDITIONAL COMMENTS

FIELD EVALUATION FORM

Owner: _____ ☐ public ☒ private ☐ unknown ☐ other: _____

Site/Address: _____ Thomas Guide: Page: ____ Coordinate: ____

Date: 05/28/2015 Inspector: TJ Date of last inspection: _____ ☒ not previously inspected

TREE CHARACTERISTICS

Tree #: 68 Species: ☒ *Quercus agrifolia* ☐ *Quercus lobata* ☐ other _____

# of trunks: 1 dbH (inches): 2 Height (feet): 15

Compass direction	N	NE	E	SE	S	SW	W	NW
Dripline (feet)	5	5	7	0	2	0	5	0
Clearance to canopy (feet)	10	10	10	0	15	0	10	6

Form: ☐ generally symmetric ☒ minor asymmetry ☐ major asymmetry ☐ stump sprout ☐ stag-headed

Crown class: ☐ dominant ☒ co-dominant ☐ intermediate ☐ suppressed

Age class: ☒ young ☐ semi-mature ☐ mature ☐ over-mature/senescent Live crown ratio (conifers only): _____%

Pruning history: ☐ crown cleaned ☐ excessively thinned ☐ topped ☐ crown raised ☐ pollarded ☐ crown reduced ☐ flush cuts ☐ cabled/braced ☒ none ☐ multiple pruning events Approximate dates: _____ ☐ unknown

Special Value: ☐ specimen ☐ heritage/historic ☐ wildlife ☐ unusual ☐ street tree ☐ screen ☐ shade ☒ indigenous ☒ protected by government agency

TREE HEALTH

Foliage color: ☒ normal ☐ chloretic ☐ necrotic

Epicormics? Y (N) Twig Dieback? Y (N)

Foliage density: ☒ normal ☐ sparse

Leaf size: ☒ normal ☐ small

Annual shoot growth: ☐ excellent ☒ average ☐ poor

Woundwood development: ☐ excellent ☒ average ☐ poor ☐ none

Vigor class: ☐ excellent ☒ average ☐ fair ☐ poor

Growth obstructions: ☐ stakes ☐ wire/ties ☐ signs ☐ cables ☐ curb/pavement ☐ guards ☐ other _____

Major pests/diseases: _____

SITE CONDITIONS

Site character: ☒ residence ☐ commercial ☐ industrial ☐ park ☒ open space ☒ natural ☒ woodland/forest

Landscape type: ☐ parkway ☐ raised bed ☐ container ☐ mound ☐ lawn ☒ shrub border ☐ wind break

Irrigation: ☒ none ☐ adequate ☐ inadequate ☐ excessive ☐ trunk wetted Pavement lifted? Y (N)

Recent site disturbance? Y (N) ☐ construction ☐ soil disturbance ☐ grade change ☐ line clearing ☐ site clearing

% dripline paved:	0%	10-25%	25-50%	50-75%	75-100%
% dripline w/fill soil:	0%	10-25%	25-50%	50-75%	75-100%
% dripline grade lowered:	0%	10-25%	25-50%	50-75%	75-100%

Soil problems: ☐ drainage ☐ shallow ☐ compacted ☐ droughty ☐ saline ☐ alkaline ☐ acidic ☐ small volume ☐ disease center ☐ history of failure ☐ clay ☐ expansive ☐ slope _____° aspect _____

Obstructions: ☐ lights ☐ signage ☐ line-of-sight ☐ view ☐ overhead lines ☐ underground utilities ☐ traffic ☐ adjacent vegetation ☐ other _____

Exposure to wind: ☐ single tree ☒ below canopy ☐ above canopy ☐ recently exposed ☐ windward, canopy edge ☐ area prone to windthrow

Prevailing wind direction: _____ Occurrence of snow/ice storms: ☒ never ☐ seldom ☐ regularly

FIELD EVALUATION FORM - PAGE 2 OF 2 Tree Number 68

TARGET

Use Under Tree: ☐ building ☐ parking ☐ traffic ☐ pedestrian ☐ recreation ☒ landscape ☐ hardscape ☐ small features ☐ utility lines **Can target be moved?** Y N **Can use be restricted?** Y N

Occupancy: ☒ occasional use ☐ intermittent use ☐ frequent use ☐ constant use

TREE DEFECTS - Noted as applicable

ROOT DEFECTS: **Suspect root rot?** Y N **Mushroom/conk present?** Y N **ID:** _____

Exposed roots: ☐ severe ☐ moderate ☐ low **Undermined:** ☐ severe ☐ moderate ☐ low

Root pruned: _____ feet from trunk **Root area affected:** _____% **Buttress wounded?** Y N **When:** _____

Restricted root area: ☐ severe ☐ moderate ☐ low **Potential for root failure:** ☐ severe ☐ moderate ☐ low

LEAN: _____ degrees from vertical ☐ natural ☐ unnatural ☐ self-corrected **Soil heaving?** Y N

Decay in plane of lean? Y N **Roots broken?** Y N **Soil cracking?** Y N **Lean severity:** ☐ severe ☐ moderate ☐ low

Compounding factors: _____

CROWN DEFECTS: S = severe, M = moderate, L = low

DEFECT	ROOT CROWN	TRUNK	SCAFFOLDS	BRANCHES
Poor taper				
Bow, sweep				
Co-dominants, forks				
Multiple attachments				
Included bark				
Excessive end weight				
Cracks/splits				
Hangers				
Girdling				
Wounds/seam				
Decay				
Cavity				
Conks/mushrooms				
Bleeding/sap flow				
Loose/cracked bark				
Nesting hole/bee hive				
Deadwood/stubs				
Borers/termites/ants				
Cankers/galls/burls				
Previous failure				

RECOMMENDED TREATMENT

Prune: ☐ remove defective part ☐ reduce end weight ☐ crown clean ☐ thin ☐ raise canopy ☐ crown reduce ☐ restructure ☐ shape

Pest control: _____ **Cable/Brace:** _____

Other Activities: ☐ aerate soil ☐ remove fill soil ☐ remove irrigation/planting ☐ remove wire, etc. ☐ fertilize/water

Inspect further: ☐ root crown ☐ decay ☐ aerial ☐ monitor **Remove tree?** Y N **Replace tree?** Y N **Move target:?** Y N **Other:** _____ ☒ no action required at this time

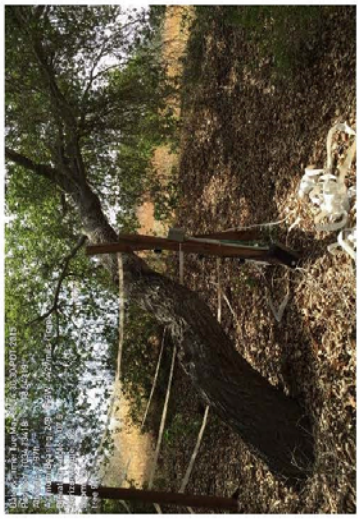
Effect on adjacent trees: ☒ none ☐ evaluate **Notification:** ☐ owner ☐ manager ☒ governing agency Date: See Tree Report

ADDITIONAL COMMENTS

APPENDIX B - PHOTOGRAPHS

Tree #1

Tree #8

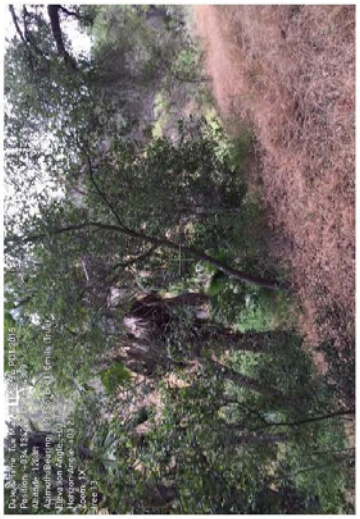


Tree #9

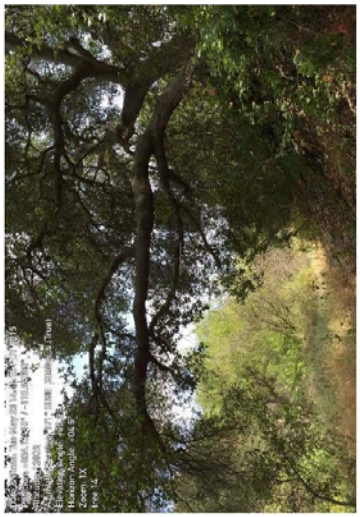
Tree #10

Tree #11

Tree #12



Tree #13



Tree #14

Tree #15

Tree #16

Tree #17

Tree #18

Tree #21

Tree #24

Tree #20

Tree #23

Tree #19

Tree #22

Tree #26

Tree #27

Tree #28

Tree #29

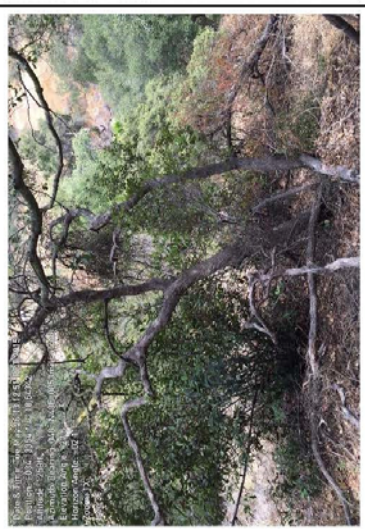
Tree #31

Tree #32

Tree #33

Tree #34

Tree #35



Tree #36

Tree #37

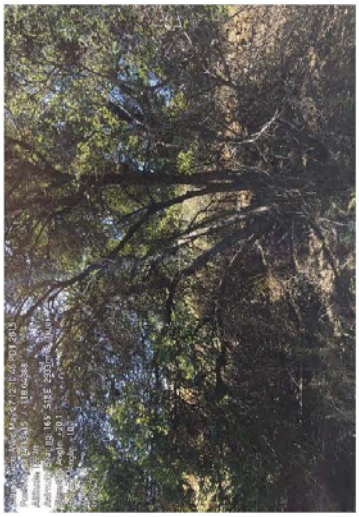
Tree #38

Tree #39

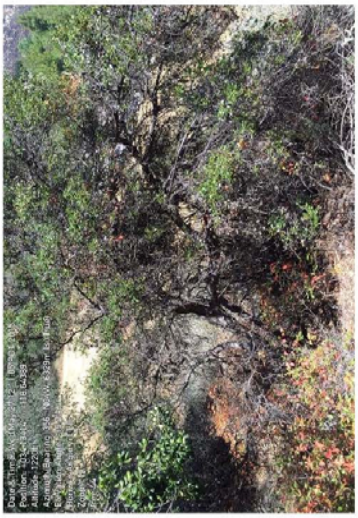
Tree #40

Tree #41

Tree #42



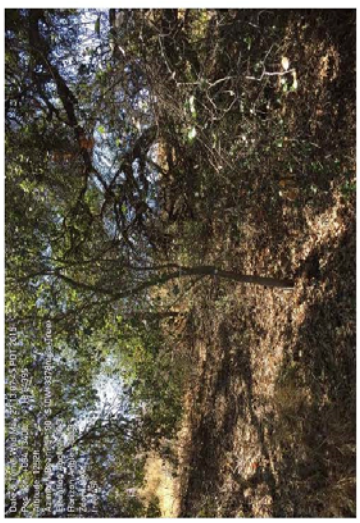
Tree #43



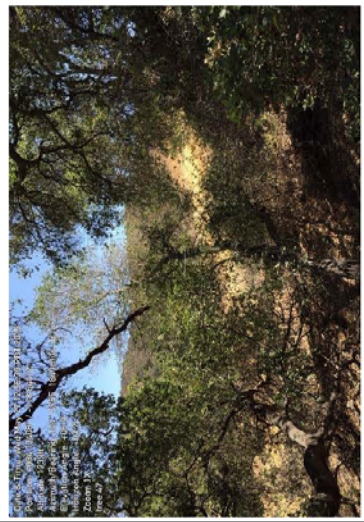
Tree #44

Tree #45

Tree #46

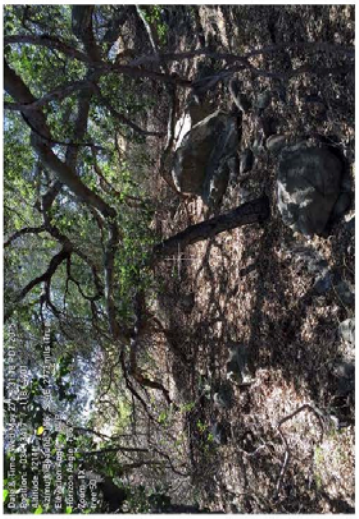


Tree #47



Tree #48

Tree #49



Tree #50

Tree #51

Tree #52

Tree #53

Tree #54

Tree #55

Tree #56

Tree #57

Tree #58

Tree #59

Tree #60

Tree #61

Tree #62

Tree #65

Tree #64

Tree #63

Tree #68

Tree #67

Tree #66

APPENDIX C – TABLES

TABLE 1
OAK TREE CONDITION ANALYSIS

Tree Number	Crown Development	Trunk Condition	Branch Structure	Twig Growth	Foliage	Insects/ Diseases	Roots	Total	Condition (%)	Class
1	5	5	5	5	5	5	5	35	100%	Excellent
8	4	4	5	5	5	5	5	33	96%	Excellent
9	2	2	2	2	2	5	5	20	60%	Fair
10	3	5	4	4	3	5	5	29	89%	Good
11	5	5	5	5	5	5	5	35	100%	Excellent
12	3	4	4	4	4	5	5	29	89%	Good
13	3	4	4	4	4	5	5	29	89%	Good
14	3	3	3	3	3	5	5	25	74%	Good
15	5	5	5	5	5	5	5	35	100%	Excellent
16	4	4	4	4	4	5	5	30	90%	Excellent
17	4	4	4	4	4	5	5	30	90%	Excellent
18	4	4	4	4	4	5	5	30	90%	Excellent
19	4	4	4	4	4	5	5	30	90%	Excellent
20	4	5	5	5	3	5	5	32	94%	Excellent
21	4	5	4	5	4	5	5	32	94%	Excellent
22	4	4	5	5	4	5	5	32	94%	Excellent
23	3	3	3	4	3	5	5	26	78%	Good
24	4	5	5	5	3	5	5	32	94%	Excellent
26	4	4	4	4	4	5	5	30	90%	Excellent
27	4	5	4	5	4	5	5	32	94%	Excellent
28	4	4	5	5	4	5	5	32	94%	Excellent
29	5	5	5	5	5	5	5	35	100%	Excellent
31	5	4	4	5	4	5	5	32	94%	Excellent
32	4	5	4	5	4	5	5	32	94%	Excellent
33	4	4	4	4	4	4	5	29	89%	Good
34	3	3	4	5	3	5	5	28	85%	Good
35	4	5	5	5	5	5	5	34	98%	Excellent
36	2	2	3	3	3	5	5	23	69%	Fair
37	4	4	5	4	4	5	5	31	92%	Excellent
38	4	5	5	5	4	5	5	33	96%	Excellent
39	3	4	4	4	3	5	5	28	85%	Good
40	4	4	4	4	4	5	5	30	90%	Excellent
41	4	4	5	5	4	5	5	32	94%	Excellent
42	5	5	4	4	4	5	5	32	94%	Excellent
43	3	3	3	3	3	5	5	25	74%	Good
44	3	3	4	4	3	5	5	27	81%	Good
45	2	2	3	3	3	5	5	23	69%	Fair
46	3	2	3	3	3	5	5	24	70%	Good
47	4	5	5	4	5	5	5	33	96%	Excellent
48	4	4	5	4	5	5	5	32	94%	Excellent
49	4	5	5	4	5	5	5	33	96%	Excellent
50	0	0	0	0	0	0	0	0	0%	Very Poor

TABLE 1
OAK TREE CONDITION ANALYSIS

Tree Number	Crown Development	Trunk Condition	Branch Structure	Twig Growth	Foliage	Insects/ Diseases	Roots	Total	Condition (%)	Class
51	3	4	3	4	4	5	5	28	85%	Good
52	3	2	3	3	3	5	5	24	70%	Good
53	2	3	2	4	3	5	5	24	70%	Good
54	3	3	3	4	3	5	5	26	78%	Good
55	3	3	3	3	3	5	5	25	74%	Good
56	3	2	3	3	3	5	5	24	70%	Good
57	2	3	3	3	3	5	5	24	70%	Good
58	3	3	3	3	3	5	5	25	74%	Good
59	2	2	2	3	3	5	5	22	66%	Fair
60	2	3	2	3	3	5	5	23	69%	Fair
61	3	4	3	4	4	5	5	28	85%	Good
62	4	4	4	4	3	5	5	29	89%	Good
63	4	4	3	4	4	5	5	29	89%	Good
64	4	4	3	4	4	5	5	29	89%	Good
65	4	2	5	5	5	5	3	29	89%	Good
66	3	3	4	4	3	5	5	27	81%	Good
67	3	4	3	4	3	5	5	27	81%	Good
68	4	5	4	5	4	5	5	32	94%	Excellent

TABLE 2
OAK TREE VALUATION

Tree	Trunk Diameters (inches)									Basic	Condition	Adjusted	
Number	D1	D2	D3	D4	D5	D6	D7	Total	Method	Value	Value	Value	Final Value
1	26							26	P	$55,900	100%	$55,900	$55,900
8	13							13	P	$20,800	96%	$19,968	$20,000
9	18							18	P	$34,300	60%	$20,409	$20,400
10	5							5	A	$3,000	89%	$2,670	$2,700
11	34							34	P	$77,500	100%	$77,500	$77,500
12	4							4	A	$1,950	89%	$1,736	$1,700
13	5							5	A	$3,000	89%	$2,670	$2,700
14	12							12	P	$18,100	74%	$13,358	$13,400
15	22							22	P	$45,100	100%	$45,100	$45,100
16	10							10	P	$12,700	90%	$11,430	$11,400
17	7	4						11	P	$15,400	90%	$13,860	$13,900
18	13							13	P	$20,800	90%	$18,720	$18,700
19	10							10	P	$12,700	90%	$11,430	$11,400
20	13							13	P	$20,800	94%	$19,552	$19,600
21	17	8						25	P	$53,200	94%	$50,008	$50,000
22	12							12	P	$18,100	94%	$17,014	$17,000
23	11							11	P	$15,400	78%	$11,950	$12,000
24	9							9	P	$10,000	94%	$9,400	$9,400
26	6	6	5	5	4	3		29	P	$64,000	90%	$57,600	$57,600
27	15	14	12					41	P	$96,400	94%	$90,616	$90,600
28	22							22	P	$45,100	94%	$42,394	$42,400
29	24							24	P	$50,500	100%	$50,500	$50,500
31	31							31	P	$69,400	94%	$65,236	$65,200
32	19							19	P	$37,000	94%	$34,780	$34,800
33	13							13	P	$20,800	89%	$18,512	$18,500
34	20							20	P	$39,700	85%	$33,824	$33,800
35	19							19	P	$37,000	98%	$36,260	$36,300
36	5	4						9	P	$10,000	69%	$6,900	$6,900
37	16							16	P	$28,900	92%	$26,588	$26,600
38	17							17	P	$31,600	96%	$30,336	$30,300
39	7	7	4					18	P	$34,300	85%	$29,224	$29,200
40	19	8						27	P	$58,600	90%	$52,740	$52,700
41	16							16	P	$28,900	94%	$27,166	$27,200
42	22	9						31	P	$69,400	94%	$65,236	$65,200
43	4	4	4	4	3	2	2	23	P	$47,800	74%	$35,276	$35,300
44	5	3						8	P	$7,300	81%	$5,942	$5,900
45	1	1						2	A	$910	69%	$628	$600
46	3							3	A	$1,600	70%	$1,120	$1,100
47	28							28	P	$61,300	96%	$58,848	$58,800
48	10							10	P	$12,700	94%	$11,938	$11,900
49	38	18	16					72	P	$180,100	96%	$172,896	$172,900
50	0							0	A	$175	0%	$0	$0
51	9							9	P	$10,000	85%	$8,520	$8,500
52	10	6						16	P	$28,900	70%	$20,230	$20,200
53	2							2	A	$910	70%	$637	$600
54	3							3	A	$1,600	78%	$1,242	$1,200
55	3	2	1					6	A	$4,700	74%	$3,469	$3,500

TABLE 2
OAK TREE VALUATION

Tree Number	Trunk Diameters (inches)								Method	Basic Value	Condition Value	Adjusted Value	Final Value
	D1	D2	D3	D4	D5	D6	D7	Total					
56	3							3	A	$1,600	70%	$1,120	$1,100
57	3							3	A	$1,600	70%	$1,120	$1,100
58	2							2	A	$910	74%	$672	$700
59	3							3	A	$1,600	66%	$1,053	$1,100
60	4							4	A	$1,950	69%	$1,346	$1,300
61	11							11	P	$15,400	85%	$13,121	$13,100
62	5							5	A	$3,000	89%	$2,670	$2,700
63	6							6	A	$4,700	89%	$4,183	$4,200
64	3	2						5	A	$3,000	89%	$2,670	$2,700
65	3							3	A	$1,600	89%	$1,424	$1,400
66	3							3	A	$1,600	81%	$1,302	$1,300
67	3							3	A	$1,600	81%	$1,302	$1,300
68	2							2	A	$910	94%	$855	$900
												Total:	**$1,424,000**

NOTE:
Method: A = Actual replacement value, used for trees < or = 7" dBH
P = PRC value, used for trees > 7" dBH

TABLE 3
IMPACT ANALYSIS

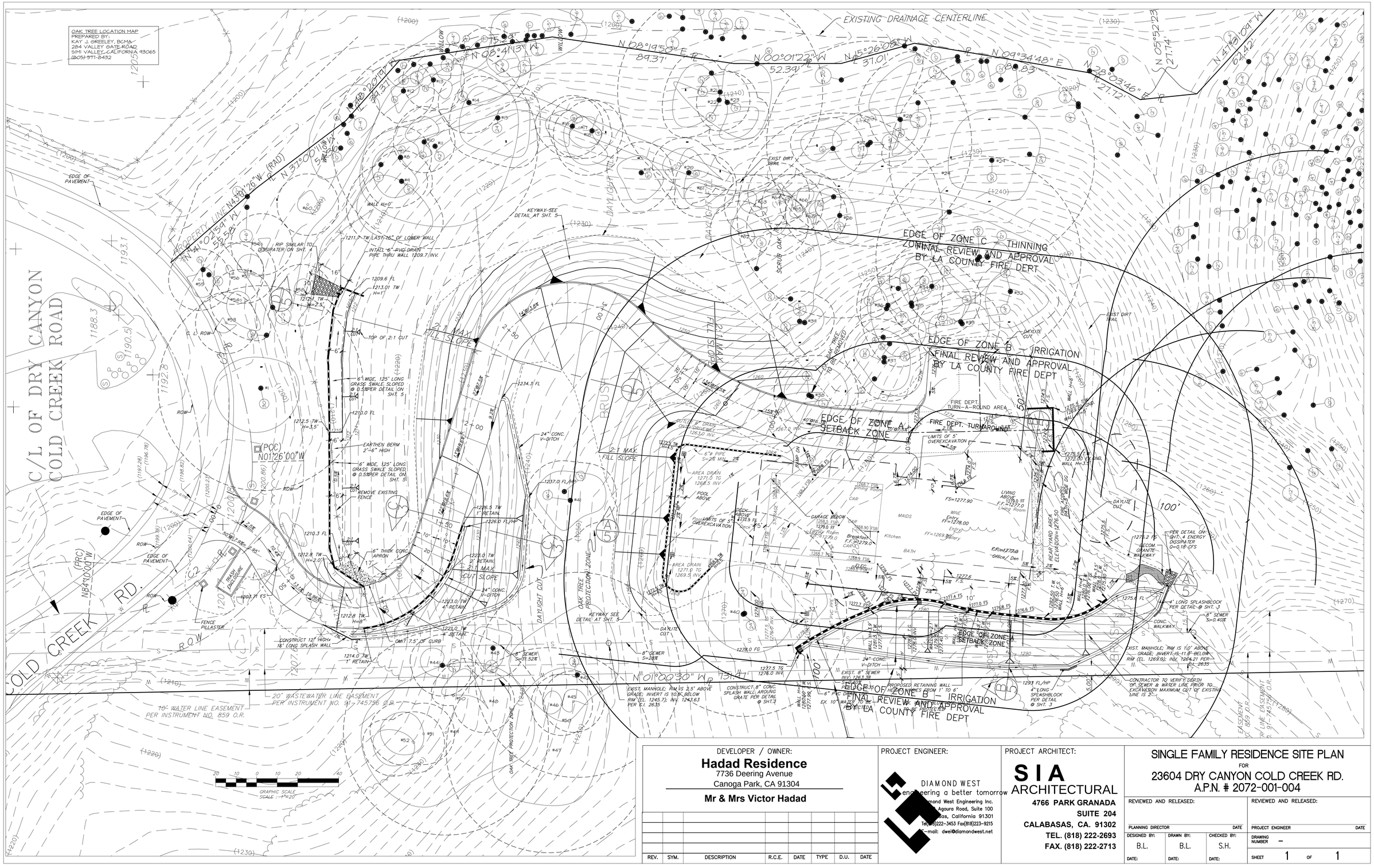
Tree Number	Impact	Protected Zone (sq ft)	Removal/ Encroachment (sq ft)	% Encroachment
1	Encroach	7,854	878	11
8	Preserve	1,043	0	0
9	Preserve	1,731	0	0
10	Preserve	746	0	0
11	Preserve	7,854	0	0
12	Preserve	712	0	0
13	Preserve	716	0	0
14	Preserve	1,599	0	0
15	Preserve	1,586	0	0
16	Preserve	761	0	0
17	Preserve	729	0	0
18	Preserve	972	0	0
19	Preserve	835	0	0
20	Preserve	886	0	0
21	Preserve	7,854	0	0
22	Preserve	1,303	0	0
23	Preserve	987	0	0
24	Preserve	827	0	0
26	Preserve	7,854	0	0
27	Preserve	7,854	0	0
28	Preserve	1,309	0	0
29	Preserve	7,854	0	0
31	Encroach	7,854	339	4
32	Preserve	1,124	0	0
33	Encroach	1,100	308	28
34	Preserve	1,428	0	0
35	Encroach	1,701	1	0
36	Preserve	730	0	0
37	Encroach	1,147	51	4
38	Remove	1,300	1,300	100
39	Encroach	742	3	0
40	Encroach	7,854	3,555	45
41	Encroach	1,260	53	4
42	Encroach	7,854	208	3
43	Preserve	755	0	0
44	Preserve	722	0	0
45	Preserve	707	0	0
46	Preserve	707	0	0
47	Preserve	7,854	0	0
48	Preserve	982	0	0
49	Preserve	7,854	0	0
50	Dead	N/A	N/A	N/A

TABLE 3
IMPACT ANALYSIS

Tree Number	Impact	Protected Zone (sq ft)	Removal/ Encroachment (sq ft)	% Encroachment
51	Preserve	1,041	0	0
52	Preserve	980	0	0
53	Preserve	707	0	0
54	Preserve	810	0	0
55	Preserve	707	0	0
56	Preserve	707	0	0
57	Preserve	707	0	0
58	Encroach	707	76	11
59	Preserve	707	0	0
60	Preserve	707	0	0
61	Preserve	742	0	0
62	Preserve	707	0	0
63	Preserve	707	0	0
64	Preserve	707	0	0
65	Preserve	707	0	0
66	Preserve	707	0	0
67	Preserve	707	0	0
68	Preserve	707	0	0
Total		**131,012**	**6,772**	**5**

Impact Summary	
Preserve	**48**
Encroach	**10**
Remove	**1**
Dead	**1**
Total	**60**

APPENDIX D – OAK TREE LOCATION MAP



DEVELOPER / OWNER:

Hadad Residence
7736 Deering Avenue
Canoga Park, CA 91304

Mr & Mrs Victor Hadad

REV.	SYM.	DESCRIPTION	R.C.E.	DATE	TYPE	D.U.	DATE

PROJECT ENGINEER:

DIAMOND WEST
engineering a better tomorrow
Diamond West Engineering Inc.
[illegible] Agoura Road, Suite 100
[illegible]sas, California 91301
Tel.(818)222-3453 Fax(818)223-9215
E-mail: dwei@diamondwest.net

PROJECT ARCHITECT:

S I A
ARCHITECTURAL
4766 PARK GRANADA
SUITE 204
CALABASAS, CA. 91302
TEL. (818) 222-2693
FAX. (818) 222-2713

SINGLE FAMILY RESIDENCE SITE PLAN
FOR
23604 DRY CANYON COLD CREEK RD.
A.P.N. # 2072-001-004

REVIEWED AND RELEASED:
PLANNING DIRECTOR DATE

REVIEWED AND RELEASED:
PROJECT ENGINEER DATE

DESIGNED BY:	DRAWN BY:	CHECKED BY:
B.L.	B.L.	S.H.
DATE:	DATE:	DATE:

DRAWING NUMBER –

SHEET 1 OF 1

Appendix B

Greenhouse Gas Emissions Modeling Results

APN 2072-001-018 Single-Family Residence

Los Angeles-South Coast County, Annual

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Single Family Housing	1.00	Dwelling Unit	4.50	8,470.00	3

1.2 Other Project Characteristics

Urbanization	Urban	**Wind Speed (m/s)**	2.2	**Precipitation Freq (Days)**	33
Climate Zone	8			**Operational Year**	2018
Utility Company	Southern California Edison				
CO2 Intensity (lb/MWhr)	630.89	**CH4 Intensity (lb/MWhr)**	0.029	**N2O Intensity (lb/MWhr)**	0.006

1.3 User Entered Comments & Non-Default Data

Project Characteristics -

Land Use - Per project plans

Construction Phase - Estimated 1-yr construction

Grading -

Construction Off-road Equipment Mitigation -

Table Name	Column Name	Default Value	New Value
tblConstructionPhase	NumDays	230.00	200.00
tblConstructionPhase	NumDays	8.00	20.00
tblConstructionPhase	PhaseEndDate	1/1/2018	12/29/2017
tblConstructionPhase	PhaseStartDate	12/7/2017	12/6/2017
tblLandUse	LandUseSquareFeet	1,800.00	8,470.00
tblLandUse	LotAcreage	0.32	4.50
tblProjectCharacteristics	OperationalYear	2014	2018

2.0 Emissions Summary

2.1 Overall Construction

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	tons/yr										MT/yr					
2017	0.4094	3.3028	2.3169	3.3200e-003	0.1148	0.2160	0.3308	0.0596	0.2023	0.2619	0.0000	297.6263	297.6263	0.0752	0.0000	299.2054
Total	**0.4094**	**3.3028**	**2.3169**	**3.3200e-003**	**0.1148**	**0.2160**	**0.3308**	**0.0596**	**0.2023**	**0.2619**	**0.0000**	**297.6263**	**297.6263**	**0.0752**	**0.0000**	**299.2054**

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	tons/yr										MT/yr					
2017	0.4094	3.3028	2.3169	3.3200e-003	0.0539	0.2160	0.2700	0.0274	0.2023	0.2297	0.0000	297.6259	297.6259	0.0752	0.0000	299.2050
Total	**0.4094**	**3.3028**	**2.3169**	**3.3200e-003**	**0.0539**	**0.2160**	**0.2700**	**0.0274**	**0.2023**	**0.2297**	**0.0000**	**297.6259**	**297.6259**	**0.0752**	**0.0000**	**299.2050**

	ROG	**NOx**	**CO**	**SO2**	**Fugitive PM10**	**Exhaust PM10**	**PM10 Total**	**Fugitive PM2.5**	**Exhaust PM2.5**	**PM2.5 Total**	**Bio- CO2**	**NBio-CO2**	**Total CO2**	**CH4**	**N20**	**CO2e**
Percent Reduction	**0.00**	**0.00**	**0.00**	**0.00**	**53.03**	**0.00**	**18.40**	**53.99**	**0.00**	**12.29**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**

2.2 Overall Operational

Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Area	0.0375	2.0000e-004	0.0167	1.0000e-005		1.0100e-003	1.0100e-003		1.0100e-003	1.0100e-003	0.1062	0.2210	0.3272	3.3000e-004	1.0000e-005	0.3364
Energy	1.6000e-004	1.3300e-003	5.7000e-004	1.0000e-005		1.1000e-004	1.1000e-004		1.1000e-004	1.1000e-004	0.0000	3.5702	3.5702	1.2000e-004	5.0000e-005	3.5875
Mobile	5.7900e-003	0.0186	0.0695	1.9000e-004	0.0123	2.7000e-004	0.0126	3.3100e-003	2.5000e-004	3.5500e-003	0.0000	13.9725	13.9725	5.5000e-004	0.0000	13.9840
Waste						0.0000	0.0000		0.0000	0.0000	0.2497	0.0000	0.2497	0.0148	0.0000	0.5596
Water						0.0000	0.0000		0.0000	0.0000	0.0207	0.3734	0.3940	2.1400e-003	5.0000e-005	0.4556
Total	**0.0435**	**0.0201**	**0.0867**	**2.1000e-004**	**0.0123**	**1.3900e-003**	**0.0137**	**3.3100e-003**	**1.3700e-003**	**4.6700e-003**	**0.3766**	**18.1370**	**18.5135**	**0.0179**	**1.1000e-004**	**18.9231**

2.2 Overall Operational

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Area	0.0375	2.0000e-004	0.0167	1.0000e-005		1.0100e-003	1.0100e-003		1.0100e-003	1.0100e-003	0.1062	0.2210	0.3272	3.3000e-004	1.0000e-005	0.3364
Energy	1.6000e-004	1.3300e-003	5.7000e-004	1.0000e-005		1.1000e-004	1.1000e-004		1.1000e-004	1.1000e-004	0.0000	3.5702	3.5702	1.2000e-004	5.0000e-005	3.5875
Mobile	5.7900e-003	0.0186	0.0695	1.9000e-004	0.0123	2.7000e-004	0.0126	3.3100e-003	2.5000e-004	3.5500e-003	0.0000	13.9725	13.9725	5.5000e-004	0.0000	13.9840
Waste						0.0000	0.0000		0.0000	0.0000	0.2497	0.0000	0.2497	0.0148	0.0000	0.5596
Water						0.0000	0.0000		0.0000	0.0000	0.0207	0.3734	0.3940	2.1400e-003	5.0000e-005	0.4556
Total	**0.0435**	**0.0201**	**0.0867**	**2.1000e-004**	**0.0123**	**1.3900e-003**	**0.0137**	**3.3100e-003**	**1.3700e-003**	**4.6700e-003**	**0.3766**	**18.1370**	**18.5135**	**0.0179**	**1.1000e-004**	**18.9230**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N20	CO2e
Percent Reduction	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Site Preparation	Site Preparation	1/1/2017	1/6/2017	5	5	
2	Grading	Grading	1/7/2017	2/3/2017	5	20	
3	Building Construction	Building Construction	2/4/2017	11/10/2017	5	200	
4	Paving	Paving	11/11/2017	12/6/2017	5	18	
5	Architectural Coating	Architectural Coating	12/6/2017	12/29/2017	5	18	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 10

Acres of Paving: 0

Residential Indoor: 17,152; Residential Outdoor: 5,717; Non-Residential Indoor: 0; Non-Residential Outdoor: 0 (Architectural Coating – sqft)

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Architectural Coating	Air Compressors	1	6.00	78	0.48
Paving	Cement and Mortar Mixers	2	6.00	9	0.56
Building Construction	Cranes	1	7.00	226	0.29
Building Construction	Forklifts	3	8.00	89	0.20
Grading	Excavators	1	8.00	162	0.38
Paving	Pavers	1	8.00	125	0.42
Paving	Rollers	2	6.00	80	0.38
Grading	Rubber Tired Dozers	1	8.00	255	0.40
Building Construction	Tractors/Loaders/Backhoes	3	7.00	97	0.37
Building Construction	Generator Sets	1	8.00	84	0.74
Grading	Tractors/Loaders/Backhoes	3	8.00	97	0.37
Paving	Tractors/Loaders/Backhoes	1	8.00	97	0.37
Site Preparation	Tractors/Loaders/Backhoes	4	8.00	97	0.37
Grading	Graders	1	8.00	174	0.41
Paving	Paving Equipment	2	6.00	130	0.36
Site Preparation	Rubber Tired Dozers	3	8.00	255	0.40
Building Construction	Welders	1	8.00	46	0.45

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Site Preparation	7	18.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Grading	6	15.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	9	0.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Paving	8	20.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	0.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Water Exposed Area

Reduce Vehicle Speed on Unpaved Roads

Clean Paved Roads

3.2 Site Preparation - 2017

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.0452	0.0000	0.0452	0.0248	0.0000	0.0248	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0121	0.1294	0.0985	1.0000e-004		6.8900e-003	6.8900e-003		6.3300e-003	6.3300e-003	0.0000	9.0789	9.0789	2.7800e-003	0.0000	9.1373
Total	**0.0121**	**0.1294**	**0.0985**	**1.0000e-004**	**0.0452**	**6.8900e-003**	**0.0521**	**0.0248**	**6.3300e-003**	**0.0312**	**0.0000**	**9.0789**	**9.0789**	**2.7800e-003**	**0.0000**	**9.1373**

3.2 Site Preparation - 2017

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	1.8000e-004	2.6000e-004	2.7000e-003	1.0000e-005	4.9000e-004	0.0000	5.0000e-004	1.3000e-004	0.0000	1.4000e-004	0.0000	0.4631	0.4631	3.0000e-005	0.0000	0.4637
Total	**1.8000e-004**	**2.6000e-004**	**2.7000e-003**	**1.0000e-005**	**4.9000e-004**	**0.0000**	**5.0000e-004**	**1.3000e-004**	**0.0000**	**1.4000e-004**	**0.0000**	**0.4631**	**0.4631**	**3.0000e-005**	**0.0000**	**0.4637**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.0203	0.0000	0.0203	0.0112	0.0000	0.0112	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0121	0.1294	0.0985	1.0000e-004		6.8900e-003	6.8900e-003		6.3300e-003	6.3300e-003	0.0000	9.0788	9.0788	2.7800e-003	0.0000	9.1373
Total	**0.0121**	**0.1294**	**0.0985**	**1.0000e-004**	**0.0203**	**6.8900e-003**	**0.0272**	**0.0112**	**6.3300e-003**	**0.0175**	**0.0000**	**9.0788**	**9.0788**	**2.7800e-003**	**0.0000**	**9.1373**

3.2 Site Preparation - 2017

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	1.8000e-004	2.6000e-004	2.7000e-003	1.0000e-005	4.9000e-004	0.0000	5.0000e-004	1.3000e-004	0.0000	1.4000e-004	0.0000	0.4631	0.4631	3.0000e-005	0.0000	0.4637
Total	**1.8000e-004**	**2.6000e-004**	**2.7000e-003**	**1.0000e-005**	**4.9000e-004**	**0.0000**	**5.0000e-004**	**1.3000e-004**	**0.0000**	**1.4000e-004**	**0.0000**	**0.4631**	**0.4631**	**3.0000e-005**	**0.0000**	**0.4637**

3.3 Grading - 2017

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.0655	0.0000	0.0655	0.0337	0.0000	0.0337	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0346	0.3598	0.2538	3.0000e-004		0.0204	0.0204		0.0188	0.0188	0.0000	27.6117	27.6117	8.4600e-003	0.0000	27.7893
Total	**0.0346**	**0.3598**	**0.2538**	**3.0000e-004**	**0.0655**	**0.0204**	**0.0859**	**0.0337**	**0.0188**	**0.0524**	**0.0000**	**27.6117**	**27.6117**	**8.4600e-003**	**0.0000**	**27.7893**

3.3 Grading - 2017

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	5.9000e-004	8.7000e-004	9.0100e-003	2.0000e-005	1.6400e-003	2.0000e-005	1.6600e-003	4.4000e-004	1.0000e-005	4.5000e-004	0.0000	1.5438	1.5438	8.0000e-005	0.0000	1.5456
Total	**5.9000e-004**	**8.7000e-004**	**9.0100e-003**	**2.0000e-005**	**1.6400e-003**	**2.0000e-005**	**1.6600e-003**	**4.4000e-004**	**1.0000e-005**	**4.5000e-004**	**0.0000**	**1.5438**	**1.5438**	**8.0000e-005**	**0.0000**	**1.5456**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.0295	0.0000	0.0295	0.0152	0.0000	0.0152	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0346	0.3598	0.2538	3.0000e-004		0.0204	0.0204		0.0188	0.0188	0.0000	27.6117	27.6117	8.4600e-003	0.0000	27.7893
Total	**0.0346**	**0.3598**	**0.2538**	**3.0000e-004**	**0.0295**	**0.0204**	**0.0499**	**0.0152**	**0.0188**	**0.0339**	**0.0000**	**27.6117**	**27.6117**	**8.4600e-003**	**0.0000**	**27.7893**

3.3 Grading - 2017

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	5.9000e-004	8.7000e-004	9.0100e-003	2.0000e-005	1.6400e-003	2.0000e-005	1.6600e-003	4.4000e-004	1.0000e-005	4.5000e-004	0.0000	1.5438	1.5438	8.0000e-005	0.0000	1.5456
Total	**5.9000e-004**	**8.7000e-004**	**9.0100e-003**	**2.0000e-005**	**1.6400e-003**	**2.0000e-005**	**1.6600e-003**	**4.4000e-004**	**1.0000e-005**	**4.5000e-004**	**0.0000**	**1.5438**	**1.5438**	**8.0000e-005**	**0.0000**	**1.5456**

3.4 Building Construction - 2017

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.3102	2.6406	1.8129	2.6800e-003		0.1781	0.1781		0.1673	0.1673	0.0000	239.4791	239.4791	0.0589	0.0000	240.7169
Total	**0.3102**	**2.6406**	**1.8129**	**2.6800e-003**		**0.1781**	**0.1781**		**0.1673**	**0.1673**	**0.0000**	**239.4791**	**239.4791**	**0.0589**	**0.0000**	**240.7169**

3.4 Building Construction - 2017

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.3102	2.6406	1.8129	2.6800e-003		0.1781	0.1781		0.1673	0.1673	0.0000	239.4788	239.4788	0.0589	0.0000	240.7166
Total	**0.3102**	**2.6406**	**1.8129**	**2.6800e-003**		**0.1781**	**0.1781**		**0.1673**	**0.1673**	**0.0000**	**239.4788**	**239.4788**	**0.0589**	**0.0000**	**240.7166**

3.4 Building Construction - 2017

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

3.5 Paving - 2017

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0149	0.1512	0.1124	1.7000e-004		9.0500e-003	9.0500e-003		8.3400e-003	8.3400e-003	0.0000	15.2992	15.2992	4.5600e-003	0.0000	15.3950
Paving	0.0000					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0149**	**0.1512**	**0.1124**	**1.7000e-004**		**9.0500e-003**	**9.0500e-003**		**8.3400e-003**	**8.3400e-003**	**0.0000**	**15.2992**	**15.2992**	**4.5600e-003**	**0.0000**	**15.3950**

3.5 Paving - 2017

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	7.0000e-004	1.0400e-003	0.0108	3.0000e-005	1.9700e-003	2.0000e-005	1.9900e-003	5.2000e-004	2.0000e-005	5.4000e-004	0.0000	1.8526	1.8526	1.0000e-004	0.0000	1.8547
Total	**7.0000e-004**	**1.0400e-003**	**0.0108**	**3.0000e-005**	**1.9700e-003**	**2.0000e-005**	**1.9900e-003**	**5.2000e-004**	**2.0000e-005**	**5.4000e-004**	**0.0000**	**1.8526**	**1.8526**	**1.0000e-004**	**0.0000**	**1.8547**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0149	0.1512	0.1124	1.7000e-004		9.0500e-003	9.0500e-003		8.3400e-003	8.3400e-003	0.0000	15.2991	15.2991	4.5600e-003	0.0000	15.3950
Paving	0.0000					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0149**	**0.1512**	**0.1124**	**1.7000e-004**		**9.0500e-003**	**9.0500e-003**		**8.3400e-003**	**8.3400e-003**	**0.0000**	**15.2991**	**15.2991**	**4.5600e-003**	**0.0000**	**15.3950**

3.5 Paving - 2017

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	7.0000e-004	1.0400e-003	0.0108	3.0000e-005	1.9700e-003	2.0000e-005	1.9900e-003	5.2000e-004	2.0000e-005	5.4000e-004	0.0000	1.8526	1.8526	1.0000e-004	0.0000	1.8547
Total	**7.0000e-004**	**1.0400e-003**	**0.0108**	**3.0000e-005**	**1.9700e-003**	**2.0000e-005**	**1.9900e-003**	**5.2000e-004**	**2.0000e-005**	**5.4000e-004**	**0.0000**	**1.8526**	**1.8526**	**1.0000e-004**	**0.0000**	**1.8547**

3.6 Architectural Coating - 2017

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	0.0331					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	2.9900e-003	0.0197	0.0168	3.0000e-005		1.5600e-003	1.5600e-003		1.5600e-003	1.5600e-003	0.0000	2.2979	2.2979	2.4000e-004	0.0000	2.3030
Total	**0.0361**	**0.0197**	**0.0168**	**3.0000e-005**		**1.5600e-003**	**1.5600e-003**		**1.5600e-003**	**1.5600e-003**	**0.0000**	**2.2979**	**2.2979**	**2.4000e-004**	**0.0000**	**2.3030**

3.6 Architectural Coating - 2017

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	0.0331					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	2.9900e-003	0.0197	0.0168	3.0000e-005		1.5600e-003	1.5600e-003		1.5600e-003	1.5600e-003	0.0000	2.2979	2.2979	2.4000e-004	0.0000	2.3030
Total	**0.0361**	**0.0197**	**0.0168**	**3.0000e-005**		**1.5600e-003**	**1.5600e-003**		**1.5600e-003**	**1.5600e-003**	**0.0000**	**2.2979**	**2.2979**	**2.4000e-004**	**0.0000**	**2.3030**

3.6 Architectural Coating - 2017

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Mitigated	5.7900e-003	0.0186	0.0695	1.9000e-004	0.0123	2.7000e-004	0.0126	3.3100e-003	2.5000e-004	3.5500e-003	0.0000	13.9725	13.9725	5.5000e-004	0.0000	13.9840
Unmitigated	5.7900e-003	0.0186	0.0695	1.9000e-004	0.0123	2.7000e-004	0.0126	3.3100e-003	2.5000e-004	3.5500e-003	0.0000	13.9725	13.9725	5.5000e-004	0.0000	13.9840

4.2 Trip Summary Information

	Average Daily Trip Rate			Unmitigated	Mitigated
Land Use	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Single Family Housing	9.57	10.08	8.77	32,561	32,561
Total	9.57	10.08	8.77	32,561	32,561

4.3 Trip Type Information

	Miles			Trip %			Trip Purpose %		
Land Use	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
Single Family Housing	14.70	5.90	8.70	40.20	19.20	40.60	86	11	3

LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
0.531767	0.058060	0.178534	0.124864	0.038964	0.006284	0.016861	0.033134	0.002486	0.003151	0.003685	0.000540	0.001671

5.0 Energy Detail

4.4 Fleet Mix

Historical Energy Use: N

5.1 Mitigation Measures Energy

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Electricity Mitigated						0.0000	0.0000		0.0000	0.0000	0.0000	2.0288	2.0288	9.0000e-005	2.0000e-005	2.0368
Electricity Unmitigated						0.0000	0.0000		0.0000	0.0000	0.0000	2.0288	2.0288	9.0000e-005	2.0000e-005	2.0368
NaturalGas Mitigated	1.6000e-004	1.3300e-003	5.7000e-004	1.0000e-005		1.1000e-004	1.1000e-004		1.1000e-004	1.1000e-004	0.0000	1.5413	1.5413	3.0000e-005	3.0000e-005	1.5507
NaturalGas Unmitigated	1.6000e-004	1.3300e-003	5.7000e-004	1.0000e-005		1.1000e-004	1.1000e-004		1.1000e-004	1.1000e-004	0.0000	1.5413	1.5413	3.0000e-005	3.0000e-005	1.5507

5.2 Energy by Land Use - NaturalGas

Unmitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	tons/yr										MT/yr					
Single Family Housing	28883.5	1.6000e-004	1.3300e-003	5.7000e-004	1.0000e-005		1.1000e-004	1.1000e-004		1.1000e-004	1.1000e-004	0.0000	1.5413	1.5413	3.0000e-005	3.0000e-005	1.5507
Total		**1.6000e-004**	**1.3300e-003**	**5.7000e-004**	**1.0000e-005**		**1.1000e-004**	**1.1000e-004**		**1.1000e-004**	**1.1000e-004**	**0.0000**	**1.5413**	**1.5413**	**3.0000e-005**	**3.0000e-005**	**1.5507**

5.2 Energy by Land Use - NaturalGas

Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	tons/yr										MT/yr					
Single Family Housing	28883.5	1.6000e-004	1.3300e-003	5.7000e-004	1.0000e-005		1.1000e-004	1.1000e-004		1.1000e-004	1.1000e-004	0.0000	1.5413	1.5413	3.0000e-005	3.0000e-005	1.5507
Total		**1.6000e-004**	**1.3300e-003**	**5.7000e-004**	**1.0000e-005**		**1.1000e-004**	**1.1000e-004**		**1.1000e-004**	**1.1000e-004**	**0.0000**	**1.5413**	**1.5413**	**3.0000e-005**	**3.0000e-005**	**1.5507**

5.3 Energy by Land Use - Electricity

Unmitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Single Family Housing	7089.67	2.0288	9.0000e-005	2.0000e-005	2.0368
Total		**2.0288**	**9.0000e-005**	**2.0000e-005**	**2.0368**

5.3 Energy by Land Use - Electricity

Mitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Single Family Housing	7089.67	2.0288	9.0000e-005	2.0000e-005	2.0368
Total		**2.0288**	**9.0000e-005**	**2.0000e-005**	**2.0368**

6.0 Area Detail

6.1 Mitigation Measures Area

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Mitigated	0.0375	2.0000e-004	0.0167	1.0000e-005		1.0100e-003	1.0100e-003		1.0100e-003	1.0100e-003	0.1062	0.2210	0.3272	3.3000e-004	1.0000e-005	0.3364
Unmitigated	0.0375	2.0000e-004	0.0167	1.0000e-005		1.0100e-003	1.0100e-003		1.0100e-003	1.0100e-003	0.1062	0.2210	0.3272	3.3000e-004	1.0000e-005	0.3364

6.2 Area by SubCategory

Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	tons/yr										MT/yr					
Architectural Coating	3.3100e-003					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	0.0306					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Hearth	3.2800e-003	8.0000e-005	6.2800e-003	1.0000e-005		9.5000e-004	9.5000e-004		9.5000e-004	9.5000e-004	0.1062	0.2041	0.3103	3.2000e-004	1.0000e-005	0.3192
Landscaping	3.2000e-004	1.2000e-004	0.0104	0.0000		6.0000e-005	6.0000e-005		6.0000e-005	6.0000e-005	0.0000	0.0169	0.0169	2.0000e-005	0.0000	0.0172
Total	**0.0375**	**2.0000e-004**	**0.0167**	**1.0000e-005**		**1.0100e-003**	**1.0100e-003**		**1.0100e-003**	**1.0100e-003**	**0.1062**	**0.2210**	**0.3272**	**3.4000e-004**	**1.0000e-005**	**0.3364**

6.2 Area by SubCategory

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	tons/yr										MT/yr					
Architectural Coating	3.3100e-003					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	0.0306					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Hearth	3.2800e-003	8.0000e-005	6.2800e-003	1.0000e-005		9.5000e-004	9.5000e-004		9.5000e-004	9.5000e-004	0.1062	0.2041	0.3103	3.2000e-004	1.0000e-005	0.3192
Landscaping	3.2000e-004	1.2000e-004	0.0104	0.0000		6.0000e-005	6.0000e-005		6.0000e-005	6.0000e-005	0.0000	0.0169	0.0169	2.0000e-005	0.0000	0.0172
Total	**0.0375**	**2.0000e-004**	**0.0167**	**1.0000e-005**		**1.0100e-003**	**1.0100e-003**		**1.0100e-003**	**1.0100e-003**	**0.1062**	**0.2210**	**0.3272**	**3.4000e-004**	**1.0000e-005**	**0.3364**

7.0 Water Detail

7.1 Mitigation Measures Water

	Total CO2	CH4	N2O	CO2e
Category	MT/yr			
Mitigated	0.3940	2.1400e-003	5.0000e-005	0.4556
Unmitigated	0.3940	2.1400e-003	5.0000e-005	0.4556

7.2 Water by Land Use

Unmitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Single Family Housing	0.065154 / 0.0410754	0.3940	2.1400e-003	5.0000e-005	0.4556
Total		**0.3940**	**2.1400e-003**	**5.0000e-005**	**0.4556**

Mitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Single Family Housing	0.065154 / 0.0410754	0.3940	2.1400e-003	5.0000e-005	0.4556
Total		**0.3940**	**2.1400e-003**	**5.0000e-005**	**0.4556**

8.0 Waste Detail

8.1 Mitigation Measures Waste

Category/Year

	Total CO2	CH4	N2O	CO2e
	MT/yr			
Mitigated	0.2497	0.0148	0.0000	0.5596
Unmitigated	0.2497	0.0148	0.0000	0.5596

8.2 Waste by Land Use

Unmitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Single Family Housing	1.23	0.2497	0.0148	0.0000	0.5596
Total		**0.2497**	**0.0148**	**0.0000**	**0.5596**

8.2 Waste by Land Use

Mitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Single Family Housing	1.23	0.2497	0.0148	0.0000	0.5596
Total		**0.2497**	**0.0148**	**0.0000**	**0.5596**

9.0 Operational Offroad

Equipment Type	Number	Hours/Day	Days/Year	Horse Power	Load Factor	Fuel Type

10.0 Vegetation