APPENDIX D

ARBORIST REPORT

CARLSBAD
CLOVIS
IRVINE
LOS ANGELES
PALM SPRINGS
POINT RICHMOND
RIVERSIDE
ROSEVILLE
SAN LUIS OBISPO

April 19, 2024

Brian Leung, AICP
Kimley-Horn
1100 W Town and Country Road, Suite 700
Orange, California 92868

Subject: Tree Inventory and Evaluation for Good Samaritan Hospital, San Jose, Santa Clara County, California

Dear Mr. Leung:

LSA conducted a tree inventory and evaluation of all trees associated with the Good Samaritan Hospital, located at 2425 Samaritan Drive in San Jose, Santa Clara County, California (see **Attachment A, Figure 1**). The purpose of this inventory was to document existing conditions with the approximately 20-acre project site composed of Assessor's Parcel Numbers 421-36-009 and 421-36-011. The project site is bounded by State Route 85 to the north, Samaritan Place to the east, Samaritan Drive to the south, and medical office buildings to the west.

The proposed project consists of three phases. The first phase would include construction of a new hospital wing and a new parking structure to accommodate the hospital's existing acute care facilities and operations. The second phase would include construction of an additional hospital wing, a medical office building, additional floors on the first phase parking structure, and an additional parking structure. The optional third phase would remove the existing hospital and construct additional parking. Hospital facility upgrades are required for the hospital to meet seismic compliance guidelines established by Senate Bill 1953, stay up to date with current hospital care guidelines, and keep up with changes in the healthcare industry.

METHODS

Field Survey and Evaluation

LSA inventoried and evaluated trees within the project site with a single main stem of at least 6 inches in diameter at breast height (DBH)[1]. The primary objective of the review was to document existing trees and determine if any trees qualify as an "ordinance tree", "street tree", or "heritage tree" as defined by the City's Tree Ordinance.

[1] Diameter at breast height, or DBH, is normally measured at 54 inches above the average ground height. Exceptions include leaning trees, trees on sloped terrain, and trees with low branches or multiple stems. Leaning trees or trees on sloped terrain are measured at a right angle to the trunk, 54 inches from the ground height along the center axis of the trunk. Trees with branches below 54 inches are measured at the smallest diameter below the smallest branch. Trees with multiple stems (from ground level) are measured at 54 inches from the average ground height for each stem. A combination logger/diameter tape was used to measure DBH.

All trees identified on the site were marked with a green anodized aluminum, square shaped numbered tag (image to right). Each tag was labeled: LSA, Tree Tags, and a pre-stamped number. Tags were attached with a galvanized 8D nail at 6 feet above ground level.

LSA performed a Level 2 – Basic Visual Assessment in accordance with the ISA's Best Management Practices. This assessment level is limited to the observation of conditions and defects that are readily visible from the ground. No laboratory or chemical testing or analysis was performed.

Data collected included species identification and measurements of DBH, height, and canopy spread. Each tree was also evaluated for overall health (including a rating) and recommendations were noted as applicable.

Due to the timing of the survey in early spring and the unusually wet winter, deciduous trees were largely lacking leaves, fruit, or other identifying characteristics. This made species identification and overall tree health difficult to establish. All efforts were made to identify each tree to species or genus, however trees which could not be identified are listed as "Unknown". Additionally, all deciduous species were assigned a health rating of 3 – "Good" unless other visual signs (e.g., wounds, loss of bark, structural issues, fungal fruiting bodies, disease) were noted to warrant a less favorable rating.

Personnel

LSA arborist Anna Van Zuuk, International Society of Arboriculture (ISA) Certified Arborist #WE-12612A, conducted a field visit on March 28–30, 2023. LSA botanist Hannah de la Calle assisted the tree inventory and evaluation.

CITY OF SAN JOSE TREE ORDINANCE (CHAPTERS 13.28 AND 13.32)

LSA reviewed the City of San Jose's (City) municipal code[2] (updated July 31, 2023) to determine which ordinances (if any) were applicable to the project. 'Chapter 13.28 – Street Trees, Hedges, and Shrubs' and 'Chapter 13.32 – Tree Removal Controls' contain the City's policies which apply to tree resources. The full language of the County ordinance can be viewed online, however the following definitions and policies are applicable to this report.

Definitions – Sections 13.28.010-105 and 13.32.020

The following definitions govern the application, interpretation, and construction of the City's Tree Ordinance:

[2] City of San Jose. 2023. Municipal Code City of San Jose, California. Codified through Ordinance No. 30929. Adopted June 20, 2023. (Supp. No. 42, Update 4). Online content updated on July 31, 2023. Available online at: https://library.municode.com/ca/san_jose/codes/code_of_ordinances (accessed August 6, 2023).

- “American National Standards Institute (ANSI)” means the most current version of the ANSI A300 (Part 1 – Pruning) setting forth the standards and practices for the care and protection of trees, shrubs, hedges, and other plants.

- "Certified arborist" means an individual who has demonstrated knowledge and competency of arboriculture through the obtainment of an arborist certification from the International Society of Arboriculture, or its successor organization if that organization no longer exists, or who is a member of the American Society of Consulting Arborists, or its successor organization if that organization no longer exists.

- “Critical root zone” means a defined circular area around a tree with a radius measured to the nearest foot of the tree’s longest dripline radius plus one foot.

- “Dead” or "Dead tree" means a tree that is no longer alive, has been damaged beyond repair, or is in an advanced state of decline (where an insufficient amount of live tissue, green leaves, limbs or branches exists to sustain life) and has been determined to be in such a state by a certified arborist during a non-dormant or other natural stage of the tree that would minimize the likelihood that the tree would be mistakenly identified as being in such a dead state.

- "Director" means the Director of Planning, Building and Code Enforcement of the City of San José or such other person designated by the City Manager to administer and enforce the provisions of this Chapter.

- "Dripline" means the area around the base of a tree directly under the canopy cover of the tree and extending out as far as the canopy.

- "Hazardous condition" shall mean any tree that is or appears to be: (i) dead; (ii) likely to fall; (iii) seriously diseased; (iv) an obstruction or potential obstruction to pedestrian or vehicular travel in any street; (v) an obstruction or potential obstruction to any traffic signs, traffic controls, streetlights, regulatory sign, or similar type of equipment or sign; or (vi) in a condition that is detrimental to the public health, safety, or general welfare.

- "Imminently hazardous condition" shall mean a hazardous condition which presents an immediate threat to the health, safety or general welfare of persons or property and/or the public which requires immediate action to abate.

- "Invasive Tree" means any Tree that is both non-native and able to establish on many sites within the South San Francisco Bay Area, grow quickly, and spread to the point of disrupting local plant communities or ecosystems.

- "Live tree" means any tree that is not a dead tree.

- "Ordinance tree" means a tree defined in this section hereinbelow and whose removal or topping is covered by and subject to the provisions of this Chapter.”

- “Planting easement” means an easement in the name of the city for planting trees, shrubs or hedges contiguous to the public right-of-way for vehicular traffic.

- “Remove” means eliminate, take away, uproot or destroy. For purposes of this Chapter, “remove” also means taking any action that reasonably and foreseeably will lead to the death of a tree or to permanent significant damage to the health or structural integrity of a tree. Such actions can include, without limitation and by way of example, excessive pruning, cutting, girding, poisoning, or watering of a tree; the unauthorized relocation or transportation of a tree; excessive excavation, alteration, or grading of the soil within the dripline of a tree, or excessively bruising, tearing or breaking the roots, bark, trunk or branches of a tree.

- “Street” means a public right-of-way owned by or under the control of the City of San Jose whose primary function is to carry vehicular traffic and shall also include sidewalks, park strips and planting easements.

- “Street tree” means any tree that is planted on a street.

- “Topping” means cutting the branches of an ordinance tree in a manner that destroys the existing symmetrical appearance or natural shape of the tree and involves the removal of main lateral branches and leaving the trunk of the tree or major branches of the tree with a stub appearance.

- “Tree” means any live or dead woody perennial plant characterized by having a main stem or trunk which measures thirty-eight (38) inches or more in circumference (12 inches in diameter) at a height of fifty-four (54) inches above natural grade slope. For purposes of this Chapter, a multi-trunk tree shall be considered a single tree and measurement of that tree shall include the sum of the circumference of the trunks of that tree at a height of fifty-four inches above natural grade slope. "Tree" shall include the plural of that term.

- “Unsuitable Tree” means a live tree or dead tree on a lot that is used for a one-family dwelling as defined in Section 20.200.320, a two-family dwelling as defined in Section 20.200.330 or any other land use as defined in Title 20 of the San José Municipal Code, where the tree is not a heritage tree as defined in Section 13.32.140, a candidate for heritage tree status, or a palm tree in the Palm Haven Conservation Area and meets at least one of the following criteria:

    1. On any lot used for a one-family dwelling, two-family dwelling, or multi-family dwelling, the part of the tree trunk nearest to the one-family dwelling, two-family dwelling, or multi-family dwelling including any secondary unit or garage on the same lot is five (5) feet or less from the nearest above-grade part of the one-family dwelling, two-family dwelling, or multi-family dwelling, including secondary unit or garage; or

    2. On any lot, the part of the tree trunk nearest to a below-grade utility pipe or line is five (5) feet or less from the centerline of that below-grade utility pipe, below-grade utility line; or

    3. On a lot used for a one-family dwelling or a two-family dwelling, the tree belongs to a species that has been found by the City Council to be uniquely less compatible with the

immediate environment because the species is invasive or non-native to the San José region or is susceptible to disease. Such tree species shall be placed on an Unsuitable Tree species list which shall be adopted by the City Council by resolution, which resolution may be amended from time to time to add or delete certain tree species.

4. A Tree on any lot that creates an Imminently Hazardous Condition as evidenced by a report prepared and executed by a certified arborist that is submitted to the Director documenting that the tree creates an Imminently Hazardous Condition pursuant to the definition set forth in Section 13.32.020 above.

(Prior code § 8931; Ords. 29000, 21363, 26595, 29195, 30057.)

Heritage Trees – Sections 13.28.220, 13.32.140

a. Any tree as the term "tree" is defined which, because of factors including but not limited to its history, girth, height, species or unique quality, has been found by the city council to have a special significance to the community shall be designated a heritage tree. Such trees shall be placed on a heritage tree list which shall be adopted by the city council by resolution, which resolution may be amended from time to time to add to or delete certain trees therefrom.

b. Any person who unlawfully vandalizes, grievously mutilates, removes or destroys such a heritage tree shall be subject to any appropriate enforcement action by the city, including without limitation the imposition of an administrative citation with the imposition of a civil penalty in the amount up to thirty thousand dollars or set forth by resolution of the city council for each such tree so vandalized, mutilated, removed or destroyed within a three-year period, the collection of which shall be enforced by civil action brought in the name of the city by the city attorney.

(Ords. 29000, 21362, 26595.)

Activities Requiring a Permit – Sections 13.28.300-310, 13.32.030-041

The City's Tree Ordinance considers the following actions to be unlawful unless a permit has been issued or the activity is required:

- Planting or installation of a street tree (Section 13.28.300);
- Pruning or removal of a street tree, or conducting any construction work or activity that may affect the critical root zone of a street tree (Section 13.28.310);
- Removal of any live tree from any private parcel of land in the City (Section 13.32.030);
- Removal of a dead tree from any private parcel of land in the City (Section 13.32.040);
- Removal of an unsuitable tree from any private parcel of land in the City (Section 13.32.041);

(Prior code § 8932; Ords. 29000, 21363, 26595.)

Development Permit Combined – 13.28.330, 13.32.080

The request for a street tree planting or tree removal permit pursuant to the provisions of these chapters may be included as part of an application for a development permit under the provisions of Title 20 of this Municipal Code. Where the request for a tree removal permit is included as a part of a development permit application under Title 20, the development permit may serve as the tree removal permit and be processed under the application, noticing, hearing and appeal provisions applicable to the development permit application, and no separate tree removal permit application and tree removal permit shall be required, so long as all of the substantive provisions and permit processing requirements of this chapter are met as a part of processing that development permit application.

(Ord. 29000, 26595.)

Safeguarding Trees During Construction - 13.32.130

For the purpose of safeguarding trees during construction, all of the following conditions shall apply to all such trees except for trees for which a tree removal permit has been issued or which are required to be removed pursuant to Chapter 13.28:

a. Prior to the issuance of any approval or permit for the construction of any improvement on the building site, all trees on the site shall be inventoried by the owner or contractor as to size (including diameter/circumference), species and location on the lot and the inventory shall be submitted on a topographical map to the director; and

b. Damage to any tree during construction shall be immediately reported by a person causing the damage, the responsible contractor, or the owner to the director, and the contractor and/or owner shall treat the tree for damage in the manner specified by the city arborist; and

c. No construction equipment, vehicles or materials shall be stored, parked or standing within the tree dripline; and

d. Drains shall be installed according to city specifications so as to avoid harm to trees due to excess watering; and

e. Wires, signs and other similar items shall not be attached to trees; and

f. Cutting and filling around the base of trees shall be done only after consultation with the city arborist and then only to the extent authorized by the city arborist; and

g. No paint thinner, paint, plaster or other liquid or solid excess or waste construction materials or wastewater shall be dumped on the ground or into any grate between the dripline and the base of the tree or uphill from any tree where certain substances might reach the roots through a leaching process; and

h. Fencing shall be installed outside the canopy of the tree to the dripline unless otherwise directed by the certified arborist to prevent injury to trees making them susceptible to disease causing organisms; and

i. Wherever cuts or soil disturbances are made in the ground near the roots of trees, appropriate measures shall be taken to prevent exposed soil from drying out and causing damage to tree roots as prescribed in a certified arborist report.

(Ords. 21362, 26595, 30057.)

RESULTS

A total of 414 trees (**Table A**) were inventoried and evaluated within the project site or on adjacent private property with potential canopy or root zone intrusion into the project site (see **Attachment A, Figure 2**).

Of the 414 trees that were inventoried, 161 qualify as "ordinance trees" and 44 qualify as "street trees" (of which 18 trees also qualify as ordinance trees) as defined by the City's tree ordinance. All trees identified within the survey area are summarized in **Table A** below and shown in **Figure 2**. A table listing all trees species, their size, general health, and any supporting notes or recommendation is included in **Attachment B**. Ordinance trees are highlighted green in **Attachment B** and are noted with a green tree tag label in **Figure 2**; street trees are highlighted blue in **Attachment B** and are noted with a blue tree tag label in **Figure 2** (if not also an ordinance tree).

LSA queried the City's heritage tree database[3] on June 8, 2023, and determined that one heritage tree is listed as occurring within the project site. This listing (File No. HT-09-001) is for a coast live oak at the entrance of Good Samaritan Hospital with a diameter of 52 inches. Based on the photograph included in the listing (dated July 31, 1995) and the trees inventoried within the project area, this tree is no longer present within the project site. No information could be located regarding the tree's removal or failure.

Due to the nature of the project, the vast majority of the existing 414 trees would be removed during construction. Approximately 44 trees would be retained – several trees in the northwest corner of the project site around the helipad (Tree Nos 132, 135-138, and A4430 – A4432), a grove of oaks in the central portion of the site near the northern boundary (Tree Nos A4433 – A4452), a line of planted trees along the western wall of the existing hospital (Tree Nos A4662 – A4670), and a cluster of mature trees at the hospital entrance at the junction of Samaritan Place and Samaritan Drive (Tree Nos. A4614 – A4615, A4619, and A4621 – A4624). The project is being designed to retain the maximum number of trees practicable, and more trees may be retained than those mentioned above.

[3] City of San Jose. 2023. City of San Jose Heritage Trees. Website: https://www.sanjoseca.gov/your-government/departments-offices/transportation/landscaping/trees/heritage-trees (accessed June 8, 2023).

Table A: Summary of Trees Observed Within the Project Site

Species	Total Number of Trees in Project Site	Number of Ordinance Trees	Number of Street Trees*	Total Number of Trees to Be Removed (TBR)	Number of Ordinance Trees TBR	Number of Street Trees TBR
Alder (*Alnus* spp.)	2	1	0	2	1	0
Ash (*Fraxinus* spp.)	38	22	19	38	22	19
Bradford pear (*Pyrus calleryana*)	14	3	0	8	3	0
California fan palm (*Washingtonia filifera*)	1	1	0	1	1	0
Camphor tree (*Cinnamomum camphora*)	2	1	0	2	1	0
Canary Island date palm (*Phoenix canariensis*)	1	1	0	1	1	0
Cherry plum (*Prunus cerasifera*)	2	0	0	1	0	0
Chinese juniper (*Juniperus chinensis*)	1	1	1	1	1	1
Coast live oak (*Quercus agrifolia*)	72	20	3	60	14	3
Coast redwood (*Sequoia sempervirens*)	53	41	7	47	35	7
Crepe myrtle (*Lagerstroemia indica*)	16	1	2	16	1	2
Deodar cedar (*Cedrus deodara*)	5	5	3	2	2	0
Fern pine (*Afrocarpus falcatus*)	4	4	0	4	4	0
Flowering cherry (*Prunus* spp.)	1	0	0	1	0	0
Hackberry (*Celtis* spp.)	1	1	0	1	1	0
Holly oak (*Quercus ilex*)	136	43	2	123	39	2
Japanese maple (*Acer palmatum*)	14	0	0	14	0	0
Paper birch (*Betula papyrifera*)	12	2	1	12	2	1
Privet (*Ligustrum* spp.)	2	0	0	2	0	0
Purple-leaf plum (*Prunus cerasifera* 'Atropurpurea')	6	0	0	4	0	0
Red flowering gum (*Corymbia ficifolia*)	1	1	0	1	1	0
Red iron bark (*Eucalyptus sideroxylon*)	7	7	0	7	7	0
Sawleaf zelkova (*Zelkova serrata*)	1	1	0	1	1	0
Siberian elm (*Ulmus parviflora*)	1	0	0	0	0	0
Silk oak (*Grevillea robusta*)	2	2	0	2	2	0
Silver dollar gum (*Eucalyptus polyanthemos*)	3	3	0	3	3	0
Southern live oak (*Quercus virginiana*)	1	0	0	1	0	0
Southern magnolia (*Magnolia grandiflora*)	1	0	0	1	0	0
Sycamore (*Platanus* spp.)	6	0	6	6	0	6
Unknown	4	0	0	4	0	0
Washington hawthorn (*Crataegus phaenopyrum*)	3	0	0	3	0	0
White birch (*Betula pendula*)	1	1	0	1	1	0
TOTAL	**414**	**161**	**44**	**370**	**143**	**41**

Source: Compiled by LSA (2023).
* Includes 18 trees which also qualify as ordinance trees.
TBR = to be removed

GENERAL RECOMMENDATIONS

Due to the evolving nature of the project design, the following recommendations are intended to apply to all retained trees and tree removals within the project site and are not specific to any one tree. The tree protection measures, in combination with the safeguards outlined in the City's tree ordinance (Section 13.32.130, above), will ensure that any construction impacts to retained trees will be minimal. Additionally, tree replacement requirements and in-lieu fee options to compensate for tree removals are outlined below.

Tree Protection Measures for Retained Trees

Tree Protection During Construction

Trees to be retained should be enclosed in a tree protection zone (TPZ) to prevent direct damage to the trees and their growing environment during construction. A TPZ fence should be installed around each tree or group of trees at a distance no less than 5 feet outside the dripline (canopy). In no case should the TPZ fence be less than 10 feet from the trunk of the tree. The fencing should be installed before site preparation, construction activities, or tree trimming begins and should consist of blaze orange barrier fencing supported by metal "T-rail" fenceposts.

Tree Maintenance Prior to and During Construction, Canopy

It may be necessary to trim the canopy of a tree to reduce the hazard of accidental limb failure or to allow the movement of construction machinery. Although no specific branch or branches are recommended for removal, planned tree work should consider removing dead, crossed, and/or malformed limbs. All branches to be removed should be pruned back to an appropriately sized lateral or to the trunk by following proper pruning guidelines. It is recommended that a professional tree company with certified arborists be retained to do this work. If accidental damage of tree trunks and limbs should occur during constriction, a professional arborist should be consulted to properly address these issues. Tree trimming should not be allowed to be performed by construction personnel.

Tree Maintenance Prior to and During Construction, Root Zones

Tree roots often extend far beyond the canopy dripline. To reduce the root shock trees are likely to experience during construction, a watering schedule should be initiated a minimum of 30 days prior to the start of construction. During construction, supplemental irrigation should be applied as needed based upon seasonal temperatures and soil moisture. An arborist can help determine the watering schedules.

If encroachment into the TPZ cannot be avoided, the design should consider special construction to allow the roots to breathe and obtain water. In situations where construction leads to excavation work within the dripline of trees, this work should be done with light equipment or by hand whenever possible to avoid tearing large diameter roots. All roots encountered during excavation should be cut with a sharp blade, taking care not to rip the roots. Excavation adjacent to any retained tree should not be permitted where damage to the large structural or fibrous matting root system will result. Root removal that jeopardizes the structural integrity or the health of the tree should be avoided. The existing ground surface within the TPZ should not be cut, filled, compacted,

or paved. Root collars should not be buried when exposed roots are backfilled with native soil to a natural grade. Any root pruning required for construction purposes should receive the prior approval of and be supervised by a certified arborist or a consulting arborist retained for the supervision of tree work on site.

Methods or treatments used to minimize damage to nearby roots may include root pruning prior to grading, use of retaining walls with discontinuous footings avoiding large structural roots, use of paving sections that require a minimum amount of excavation, and the use of air and water pervious pavement. If pervious pavement cannot be used, then a root aeration system should be considered. There are many different methods and designs for venting impervious pavement for root aeration, and a professional arborist can assist the developer in finding the best solution.

Activities Prohibited Within Canopy Driplines

Heavy machinery should not be allowed to operate or park within the TPZ, nor should any excess soil, chemicals, debris, equipment, or other materials be dumped or stored within the TPZ or upslope of the protected trees. If it is necessary for heavy machinery to operate within the dripline of the preserved protected trees, then a layer of mulch or pea gravel at least 4 inches in depth should be placed on the ground beneath the dripline. A ¾-inch sheet of plywood should be placed on top of the mulch. The plywood and mulch will reduce compaction of the soil within the dripline. Debris or materials shall not be placed within TPZs or against tree trunks.

Tree Replacement

The replacement tree requirements outlined the **Table B** below were provided by the City's Planning Division for this project:

Table B: City of San Jose Tree Replacement Requirements

Circumference of Tree to be Removed (measured at 4.5 feet above ground)	Type of Tree to be Removed		Minimum Size of Each Replacement Tree
	Native	Non-Native	
38 inches or greater	5:1	4:1	15-gallon
18 – 38 inches	3:1	2:1	15-gallon
Less than 18 inches	1:1	1:1	15-gallon

Source: City of San Jose (2023).
x:x = tree replacement to tree loss ratio.
A 24-inch box tree can be used in lieu of two 15-gallon trees.

There are a total of 31 species of trees present in the project site, only three of which are native to California: California fan palm, coast live oak, and coast redwood. The remaining 28 tree species are non-native species. For the purposes of this calculation, all 'Unknown' species are considered non-native tree species.

Based on this information, the project would be required to provide a minimum of 920 15-gallon replacement trees: 336 for the loss of native tree species and 584 for the loss of non-native tree species. A 24-inch box tree may be used in place of two 15-gallon trees, which would equate to 460 24-inch box trees: 068 for the loss of native tree species and 292 for the loss of non-native tree species. Tree replacements are summarized below in **Table C**.

Table C: Required Replacement Trees for the Project

Circumference of Removed Tree	Number of Trees to be Removed		Replacement Ratio		Required Replacement Trees (15-gallon / 24-inch box)	
	Native	Non-Native	Native	Non-Native	Native	Non-Native
38 inches or greater	40	77	5:1	4:1	200 / 100	308 / 154
18 – 38 inches	39	122	3:1	2:1	117 / 58 + 1 15-gallon	244 / 122
Less than 18 inches	19	32	1:1	1:1	19 / 9 + 1 15-gallon	32 / 16
Total	**98**	**231**	**–**	**–**	**336 / 168**	**584 / 292**

If the project site does not contain sufficient area to accommodate the required replacement tree plantings, the project may choose one of the following options:

- Replacement trees may be planted at an off-site location deemed appropriate by the Director of Planning within the City of San Jose (City of San Jose Tree Ordinance Section 13.32.110.C); or

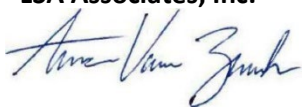
- Pay an in-lieu fee to the City prior to the issuance of the Public Works grading permit(s) in accordance with the approved City Council Fee Schedule. The current fee schedule, effective August 15, 2022, lists a fee of $775 per tree.

On-site or off-site replacement trees must remain alive for 3 years after planting. Any replacement tree that fails within 3 years after planting shall be promptly replaced (City of San Jose Tree Ordinance Section 13.32.110).

If you have any questions, please contact me at (916) 844-2983 or at anna.vanzuuk@LSA.net.

Sincerely,

LSA Associates, Inc.

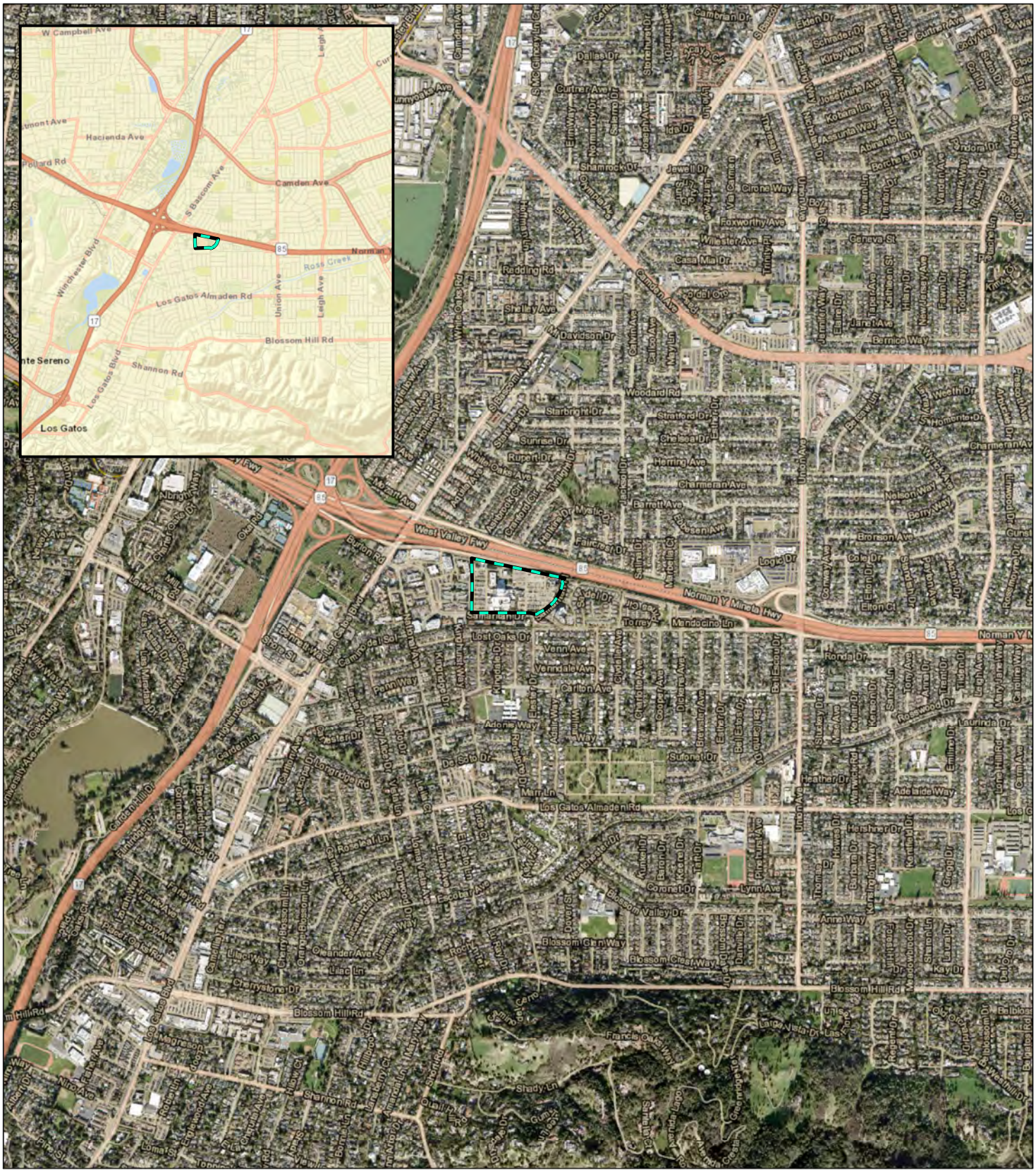


Anna Van Zuuk
ISA Certified Arborist #WE-12612A

Attachments: A – Figures
B – General Tree Information
C – Definitions

ATTACHMENT A

FIGURES



LSA

LEGEND

Survey Area - (19.23 ac)

FIGURE 1

N

0 1000 2000

FEET

SOURCE: Vivid Maxar Aerial Imagery (07/2021)

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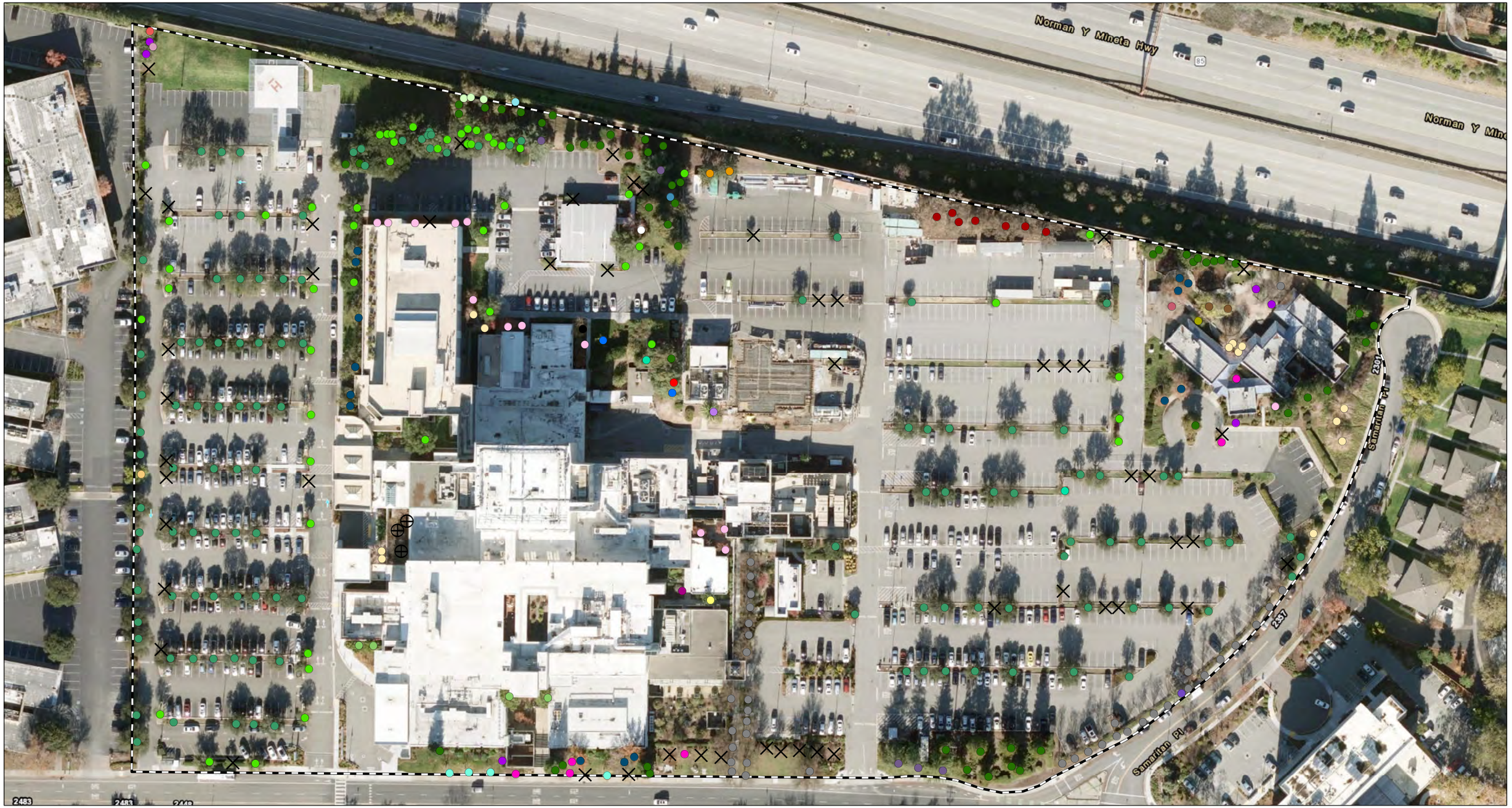
Good Samaritan Hospital Tree Inventory
San Jose, Santa Clara County, California
LSA Project No. 20230915

Project Location



LSA

LEGEND

Survey Area - (19.23 ac)

Tree Location by Species

- Alder - (2)
- Ash - (38)
- Bradford pear - (14)
- California fan palm - (1)
- Camphor tree - (2)
- Canary island date palm - (1)
- Cherry plum - (1)
- Chinese juniper - (1)
- Coast live oak - (53)
- Coast redwood - (53)
- Crepe myrtle - (6)
- Deodar cedar - (5)
- Fern pine - (4)
- Flowering cherry - (1)
- Hackberry - (1)
- Holly oak - (119)
- Japanese maple - (13)
- Paper birch - (12)
- Privet - (2)
- Purple-leaf plum - (6)
- Red flowering gum - (1)
- Red iron bark - (7)
- Sawleaf zelkova - (1)
- Siberian elm - (1)
- Silk oak - (2)
- Silver dollar gum - (3)
- Southern live oak - (1)
- Southern magnolia - (1)
- Sycamore - (4)
- Unknown - (1)
- Washington hawthorn - (1)
- White birch - (1)
- Trees <6" DBH
- Inaccessible Trees

0 50 100
FEET

SOURCE: Santa Clara County Aerial Imagery (11/2021); Mapping - LSA (04/2023)

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FIGURE 2
Index

Good Samaritan Hospital Tree Inventory
San Jose, Santa Clara County, California
LSA Project No. 20230915

Tree Locations

LSA

LEGEND

Survey Area - (19.23 ac)

Health

0 - Dead

1 - Poor

2 - Fair

3 - Good

4 - Above Average

Tree Health Rating - Total # Trees (# Trees on Page)

0 - Dead - 2 (1)

1 - Poor - 10 (2)

2 - Fair - 47 (21)

3 - Good - 287 (110)

4 - Above Average - 14 (6)

Tree <6" DBH, Not Rated - 54 (16)

0 25 50

FEET

SOURCE: Santa Clara County Aerial Imagery (11/2021); Mapping - LSA (03/2023)

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FIGURE 2

Page 1 of 4

Good Samaritan Hospital Tree Inventory

San Jose, Santa Clara County, California

LSA Project No. 20230915

Tree Locations

LSA

LEGEND

Survey Area - (19.23 ac)

Health

- 0 - Dead
- 1 - Poor
- 2 - Fair
- 3 - Good
- 4 - Above Average

Tree Health Rating - Total # Trees (# Trees on Page)

- 0 - Dead - 2 (0)
- 1 - Poor - 10 (3)
- 2 - Fair - 47 (3)
- 3 - Good - 287 (61)
- 4 - Above Average - 14 (2)
- Tree <6" DBH, Not Rated - 54 (11)

N

0 25 50
FEET

SOURCE: Santa Clara County Aerial Imagery (11/2021); Mapping - LSA (03/2023)

J:\20230915\GIS\MXD\TreeLoc_Pages.mxd (7/19/2023)

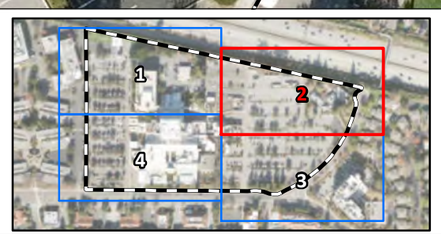
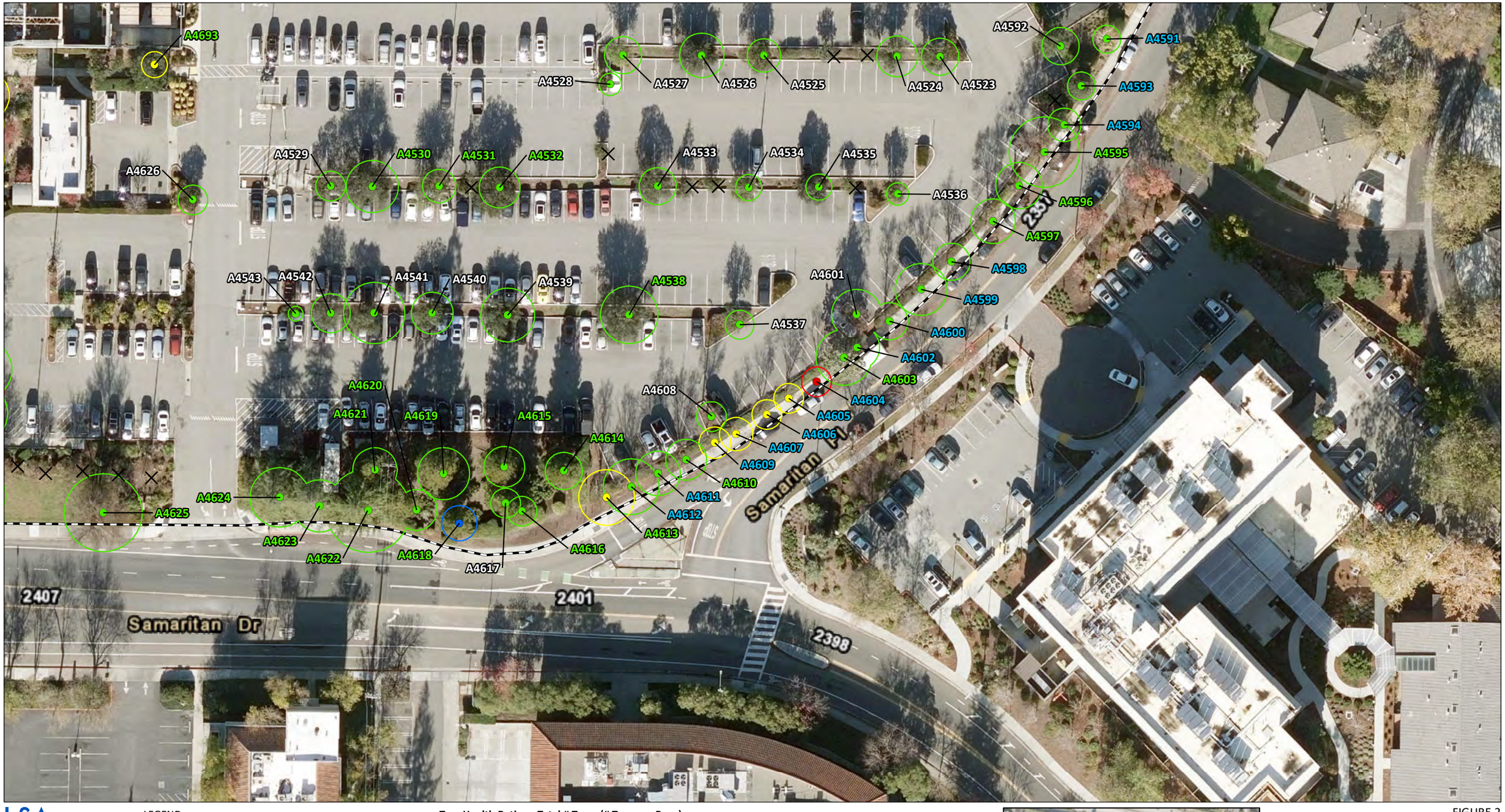


FIGURE 2
Page 2 of 4

Good Samaritan Hospital Tree Inventory
San Jose, Santa Clara County, California
LSA Project No. 20230915

Tree Locations



LSA

LEGEND

Survey Area - (19.23 ac)

Health

- 0 - Dead
- 1 - Poor
- 2 - Fair
- 3 - Good
- 4 - Above Average

Tree Health Rating - Total # Trees (# Trees on Page)

- 0 - Dead - 2 (0)
- 1 - Poor - 10 (1)
- 2 - Fair - 47 (6)
- 3 - Good - 287 (50)
- 4 - Above Average - 14 (1)
- Tree <6" DBH, Not Rated - 54 (13)

0 25 50
FEET

SOURCE: Santa Clara County Aerial Imagery (11/2021); Mapping - LSA (03/2023)

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FIGURE 2
Page 3 of 4

Good Samaritan Hospital Tree Inventory
San Jose, Santa Clara County, California
LSA Project No. 20230915

Tree Locations

LSA

LEGEND

Survey Area - (19.23 ac)

Health

- 0 - Dead
- 1 - Poor
- 2 - Fair
- 3 - Good
- 4 - Above Average

Tree Health Rating - Total # Trees (# Trees on Page)

- 0 - Dead - 2 (1)
- 1 - Poor - 10 (4)
- 2 - Fair - 47 (17)
- 3 - Good - 287 (66)
- 4 - Above Average - 14 (5)
- Tree <6" DBH, Not Rated - 54 (14)

0 25 50
FEET

SOURCE: Santa Clara County Aerial Imagery (11/2021); Mapping - LSA (03/2023)

J:\20230915\GIS\MXD\TreeLoc_Pages.mxd (8/24/2023)

FIGURE 2
Page 4 of 4

Good Samaritan Hospital Tree Inventory
San Jose, Santa Clara County, California
LSA Project No. 20230915

Tree Locations

ATTACHMENT B

GENERAL TREE INFORMATION

Tree #	Common Name	Scientific Name	DBH Combined (inches)	Circumference (inches)	Height (feet)	Canopy Radius (feet)	Health	Notes
---	Cherry plum	Prunus cerasifera	5.25	16.4933475	---	---	---	DBH <6". Not tagged.
---	Coast live oak	Quercus agrifolia	5.75	18.0641425	---	---	2	DBH <6". Not tagged. Foliar chlorosis.
---	Coast live oak	Quercus agrifolia	5.25	16.4933475	---	---	3	DBH <6". Not tagged.
---	Coast live oak	Quercus agrifolia	4	12.56636	---	---	---	DBH <6". Not tagged.
---	Coast live oak	Quercus agrifolia	4.5	14.137155	---	---	---	DBH <6". Not tagged.
---	Coast live oak	Quercus agrifolia	5	15.70795	---	---	---	DBH <6". Not tagged.
---	Coast live oak	Quercus agrifolia	3	9.42477	---	---	---	DBH <6". Not tagged.
---	Coast live oak	Quercus agrifolia	4.25	13.3517575	---	---	---	DBH <6". Not tagged.
---	Coast live oak	Quercus agrifolia	3.5	10.995565	---	---	---	DBH <6". Not tagged.
---	Coast live oak	Quercus agrifolia	4.5	14.137155	---	---	---	DBH <6". Not tagged.
---	Coast live oak	Quercus agrifolia	4.5	14.137155	---	---	---	DBH <6". Not tagged.
---	Coast live oak	Quercus agrifolia	5	15.70795	---	---	---	DBH <6". Not tagged.
---	Coast live oak	Quercus agrifolia	3.5	10.995565	---	---	---	DBH <6". Not tagged.
---	Coast live oak	Quercus agrifolia	5.5	17.278745	---	---	---	DBH <6". Not tagged.
---	Coast live oak	Quercus agrifolia	5.5	17.278745	---	---	---	DBH <6". Not tagged.
---	Coast live oak	Quercus agrifolia	5	15.70795	---	---	---	DBH <6". Not tagged.
---	Coast live oak	Quercus agrifolia	5.25	16.4933475	---	---	---	DBH <6". Not tagged.
---	Coast live oak	Quercus agrifolia	4.5	14.137155	---	---	---	DBH <6". Not tagged.
---	Coast live oak	Quercus agrifolia	3.75	11.7809625	---	---	---	DBH <6". Not tagged.
---	Coast live oak	Quercus agrifolia	4.5	14.137155	---	---	---	DBH <6". Not tagged.
---	Crepe myrtle	Lagerstroemia indica	---	---	---	---	---	Numerous small stems.
---	Crepe myrtle	Lagerstroemia indica	5	15.70795	---	---	---	DBH <6". Not tagged.
---	Crepe myrtle	Lagerstroemia indica	---	---	---	---	---	Numerous small stems.
---	Crepe myrtle	Lagerstroemia indica	---	---	---	---	---	Numerous small stems.
---	Crepe myrtle	Lagerstroemia indica	---	---	---	---	---	Numerous small stems.
---	Crepe myrtle	Lagerstroemia indica	---	---	---	---	---	Numerous small stems.
---	Crepe myrtle	Lagerstroemia indica	---	---	---	---	---	Numerous small stems.
---	Crepe myrtle	Lagerstroemia indica	---	---	---	---	---	Numerous small stems.
---	Crepe myrtle	Lagerstroemia indica	5.5	17.278745	---	---	---	DBH <6". Not tagged.
---	Holly oak	Quercus ilex	12.5	39.269875	---	---	0	Not tagged.
---	Holly oak	Quercus ilex	4.5	14.137155	---	---	---	DBH <6". Not tagged.
---	Holly oak	Quercus ilex	4.5	14.137155	---	---	---	DBH <6". Not tagged.
---	Holly oak	Quercus ilex	3.5	10.995565	---	---	---	DBH <6". Not tagged.
---	Holly oak	Quercus ilex	3.5	10.995565	---	---	---	DBH <6". Not tagged.
---	Holly oak	Quercus ilex	3.25	10.2101675	---	---	---	DBH <6". Not tagged.
---	Holly oak	Quercus ilex	2.75	8.6393725	---	---	---	DBH <6". Not tagged.
---	Holly oak	Quercus ilex	5	15.70795	---	---	---	DBH <6". Not tagged.
---	Holly oak	Quercus ilex	5.5	17.278745	---	---	---	DBH <6". Not tagged.
---	Holly oak	Quercus ilex	5	15.70795	---	---	---	DBH <6". Not tagged.
---	Holly oak	Quercus ilex	5	15.70795	---	---	---	DBH <6". Not tagged.
---	Holly oak	Quercus ilex	5	15.70795	---	---	---	DBH <6". Not tagged.
---	Holly oak	Quercus ilex	4.5	14.137155	---	---	---	DBH <6". Not tagged.
---	Holly oak	Quercus ilex	5.5	17.278745	---	---	---	DBH <6". Not tagged.
---	Holly oak	Quercus ilex	4.25	13.3517575	---	---	---	DBH <6". Not tagged.
---	Holly oak	Quercus ilex	5	15.70795	---	---	---	DBH <6". Not tagged.
---	Holly oak	Quercus ilex	5	15.70795	---	---	---	DBH <6". Not tagged.
---	Japanese maple	Acer palmatum	4	12.56636	---	---	---	DBH <6". Not tagged.
---	Sycamore	Platanus sp.	5.5	17.278745	---	---	---	DBH <6". Not tagged.
---	Sycamore	Platanus sp.	5	15.70795	---	---	---	DBH <6". Not tagged.
---	Unknown	---	11	34.55749	28	12.5	3	Inaccessible, not tagged. No leaves.
---	Unknown	---	7	21.99113	26	12	3	Inaccessible, not tagged. No leaves.
---	Unknown	---	9	28.27431	27	12	3	Inaccessible, not tagged. No leaves.
---	Washington hawthorn	Crataegus phaenopyrum	---	---	---	---	---	DBH <6". Not tagged.
---	Washington hawthorn	Crataegus phaenopyrum	---	---	---	---	---	DBH <6". Not tagged.
113	Holly oak	Quercus ilex	23	72.25657	29	17	4	Growing in 12' planting strip.
114	Holly oak	Quercus ilex	17.5	54.977825	23.5	14	3	Growing in 12' planting strip.

Tree #	Common Name	Scientific Name	DBH Combined (inches)	Circumference (inches)	Height (feet)	Canopy Radius (feet)	Health	Notes
115	Holly oak	Quercus ilex	18	56.54862	19.5	17.5	4	Growing in 12' planting strip. DBH taken @ 2' below branching. Minimal basal sprouting.
117	Holly oak	Quercus ilex	14.25	44.7676575	18.5	12	4	Growing in 12' planting strip.
118	Holly oak	Quercus ilex	5	15.70795	---	---	---	DBH <6". Not tagged.
119	Holly oak	Quercus ilex	9	28.27431	14	9	0	Growing in 12' planting strip. Only live vegetation basal, adventitious sprouts.
120	Holly oak	Quercus ilex	15.5	48.694645	20.5	18	4	Growing in 12' planting strip. DBH taken @ 4' below branching. Basal sprouting.
121	Sawleaf zelkova	Zelkova serrata	18	56.54862	15	12	3	Growing in 12' planting strip. Basal sprouting.
122	Holly oak	Quercus ilex	7.25	22.7765275	10	7.5	3	Growing in 12' planting strip. DBH taken @ 4' below branching. Basal sprouting.
123	Holly oak	Quercus ilex	5.5	17.278745	14	---	---	DBH <6". Not tagged.
124	Holly oak	Quercus ilex	17	53.40703	23.5	19.5	4	Growing in 12' planting strip. DBH taken @ 3' below branching.
125	Holly oak	Quercus ilex	29	91.10611	25	17	4	Growing in 12' planting strip. Minor limb dieback.
126	Coast live oak	Quercus agrifolia	4.75	14.9225525	---	---	---	DBH <6". Not tagged.
129	Holly oak	Quercus ilex	17	53.40703	28	18.75	3	Growing in 5' planting strip. Basal, adventitious sprouting. Sparse canopy.
132	Coast live oak	Quercus agrifolia	6.75	21.2057325	15	10.5	3	Growing in 5' planting strip.
135	Purple-leaf plum	Prunus cerasifera 'Atropurpurea'	7.25	22.7765275	14.5	9	3	Surrounded by oleander.
136	Cherry plum	Prunus cerasifera	6.25	19.6349375	11	9	3	Surrounded by oleander. Flowering, few leaves.
137	Purple-leaf plum	Prunus cerasifera 'Atropurpurea'	7.25	22.7765275	9	9	2	DBH taken below trunk split. Surrounded by oleander. Minimal live canopy (competition with oleander). Bird nest.
138	Siberian elm	Ulmus parviflora	8	25.13272	18.5	14	3	Surrounded by oleander. Same species as RUP2101. Sparse canopy.
221	Holly oak	Quercus ilex	15.5	48.694645	19.5	14	3	Growing in 12' planting strip.
A4367	Coast live oak	Quercus agrifolia	10.75	33.7720925	15	10.25	2	Growing in 4' planting strip, shrubs on either side. Foliar chlorosis, sparse canopy.
A4368	Coast live oak	Quercus agrifolia	10	31.4159	15	6.5	2	Growing in 4' planting strip, shrubs adjacent. Foliar chlorosis, sparse canopy.
A4369	Coast live oak	Quercus agrifolia	9.75	30.6305025	16	8.5	3	Growing in ~5' planting island, decomposed granite surrounding. Water sprouts on main trunk.
A4370	Holly oak	Quercus ilex	13.75	43.1968625	17.5	14.5	3	Growing in 6' planting strip. DBH taken at 3' below branching.
A4371	Holly oak	Quercus ilex	7.5	23.561925	12	8	2	Growing in 6' planting strip. Foliar chlorosis, interior rot.
A4372	Holly oak	Quercus ilex	12.75	40.0552725	17.5	14.5	3	Growing in 6' planting strip. DBH taken @ 2' below branching. Wounds on S side from branch loss. Adventitious sprouts along trunk, scaffold branches.
A4373	Holly oak	Quercus ilex	9.5	29.845105	13	7.75	1	Growing in 6' planting strip. DBH taken @ 4' below partially girdling support wire. Canopy dieback.
A4374	Coast live oak	Quercus agrifolia	8	25.13272	14	7.75	3	Growing in 5' planting island. Minor adventitious sprouting from trunk. Bird nest
A4375	Holly oak	Quercus ilex	10	31.4159	15	10.75	3	Growing in 6' planting strip. Basal sprouts.
A4376	Holly oak	Quercus ilex	9.25	29.0597075	14	9	2	Growing in 6' planting strip. Sparse canopy. Lots of lower limbs removed, good wound response.
A4377	Holly oak	Quercus ilex	25.25	79.3251475	14	10	2	Growing in 6' planting strip. Multiple stems. Trunk wounds. Sparse canopy.
A4378	Holly oak	Quercus ilex	9	28.27431	14	10	2	Growing in 6' planting strip. Large trunk wound on S side, poor wound response.
A4379	Holly oak	Quercus ilex	8	25.13272	14	8	3	Growing in 6' planting strip. Basal sprouts.
A4380	Holly oak	Quercus ilex	9.5	29.845105	14	10	3	Growing in 6' planting strip.
A4381	Coast live oak	Quercus agrifolia	9	28.27431	12	11	3	Growing in 4.5' planting strip.
A4382	Coast live oak	Quercus agrifolia	10	31.4159	14	13	3	Growing in 5' planting island. Large limb lost on W side, good wound response.
A4383	Holly oak	Quercus ilex	15.5	48.694645	15	13.5	3	Growing in 4x7 planting area. Bird nest (x3).
A4384	Holly oak	Quercus ilex	11	34.55749	13.5	11.5	3	Growing in 8' planting strip.
A4385	Holly oak	Quercus ilex	10.25	32.2012975	12	11	3	Growing in 8' planting strip.
A4386	Holly oak	Quercus ilex	14.25	44.7676575	21	13.5	3	Growing in 8' planting strip. Sparse canopy.
A4387	Holly oak	Quercus ilex	9	28.27431	12	8	2	Growing in 8' planting strip. Lots of adventitious sprouts up trunk.
A4388	Holly oak	Quercus ilex	10.5	32.986695	12	10.5	1	Growing in 8' planting strip. Major canopy dieback. Lots of adventitious sprouts.
A4389	Holly oak	Quercus ilex	12.5	39.269875	14.5	12	2	Growing in 8' planting strip. Large limb die off on S side.
A4390	Holly oak	Quercus ilex	11.25	35.3428875	14	14	3	Growing in 6' planting strip. Some basal sprouting.
A4391	Holly oak	Quercus ilex	11	34.55749	14.5	10	2	Growing in 6' planting strip. Wounds on S side of trunk, poor response. Adventitious sprouting, some canopy dieback.
A4392	Holly oak	Quercus ilex	8.75	27.4889125	14	10	3	Growing in 6' planting strip. Minor basal sprouting. Canopy limbs removed on S side, some rot.
A4393	Holly oak	Quercus ilex	10	31.4159	16	10	2	Growing in 6' planting strip. Moderate canopy dieback.
A4394	Holly oak	Quercus ilex	14.5	45.553055	21	13.5	3	Growing in 6' planting strip. Minor basal sprouting, canopy dieback.
A4395	Coast live oak	Quercus agrifolia	6.5	20.420335	14	8	3	Growing in 5' planting island.
A4396	Coast live oak	Quercus agrifolia	7.5	23.561925	14	8	2	Growing in 5' planting island. Lots of adventitious sprouting, small leaves.
A4397	Holly oak	Quercus ilex	11	34.55749	17	11.5	3	Growing in 6' planting strip. Adventitious sprouting.
A4398	Holly oak	Quercus ilex	9.25	29.0597075	15.5	8	3	Growing in 6' planting strip. Adventitious sprouting.
A4399	Holly oak	Quercus ilex	10	31.4159	13	11	3	Growing in 6' planting strip. Minor basal sprouting.
A4400	Holly oak	Quercus ilex	11.5	36.128285	16	11	3	Growing in 6' planting strip.
A4401	Holly oak	Quercus ilex	12.5	39.269875	21	12.5	2	Growing in 8' planting strip. Canopy dieback.
A4402	Holly oak	Quercus ilex	12	37.69908	15	12	3	Growing in 6' planting strip.

Tree #	Common Name	Scientific Name	DBH Combined (inches)	Circumference (inches)	Height (feet)	Canopy Radius (feet)	Health	Notes
A4403	Holly oak	Quercus ilex	10	31.4159	15	11	2	Growing in 6' planting strip. Canopy dieback. Adventitious and basal sprouting.
A4404	Holly oak	Quercus ilex	8	25.13272	10	7	3	Growing in 6' planting strip. Minor branch dieback.
A4405	Holly oak	Quercus ilex	10	31.4159	12	12.5	2	Growing in 6' planting strip. Adventitious sprouting, limb dieback.
A4406	Holly oak	Quercus ilex	11	34.55749	17	12.25	3	Growing in 6' planting strip. Adventitious sprouting.
A4407	Coast live oak	Quercus agrifolia	7.25	22.7765275	14	10.5	3	Growing in 5' planting island. Minor adventitious sprouting.
A4408	Coast live oak	Quercus agrifolia	6.5	20.420335	12	8	3	Growing in 5' planting island. Adventitious sprouting.
A4409	Holly oak	Quercus ilex	10.25	32.2012975	13	11.5	3	Growing in 7' planting strip.
A4410	Holly oak	Quercus ilex	10.5	32.986695	17	10	3	Growing in 7' planting strip. Nest on N side.
A4411	Holly oak	Quercus ilex	12	37.69908	17	13	3	Growing in 7' planting strip. Minor basal sprouting.
A4412	Holly oak	Quercus ilex	8.5	26.703515	16	11	3	Growing in 7' planting strip.
A4413	Holly oak	Quercus ilex	10.5	32.986695	15	11	3	Growing in 7' planting strip.
A4414	Holly oak	Quercus ilex	9.75	30.6305025	16	11.5	2	Growing in 7' planting strip. Basal sprouting, canopy dieback on E side.
A4415	Holly oak	Quercus ilex	13	40.84067	16	13.75	2	Growing in 7' planting strip. Canopy dieback. Minor adventitious, basal sprouting.
A4416	Coast live oak	Quercus agrifolia	6	18.84954	12	8.5	3	Growing in 5' planting island. Bird nest.
A4417	Coast live oak	Quercus agrifolia	8	25.13272	12	3	3	Growing in 5' planting island. Adventitious sprouting.
A4418	Holly oak	Quercus ilex	9.25	29.0597075	21	14	2	Growing in 6' planting strip. Canopy dieback.
A4419	Holly oak	Quercus ilex	16	50.26544	20	12.75	3	Growing in 6' planting strip.
A4420	Holly oak	Quercus ilex	12.5	39.269875	20	17	3	Growing in 6' planting strip. Minor canopy dieback on N side.
A4421	Holly oak	Quercus ilex	12	37.69908	18	12.25	3	Growing in 6' planting strip.
A4422	Holly oak	Quercus ilex	6.5	20.420335	8	6.75	2	Growing in 6' planting strip. Interior rot in some scaffold limbs.
A4423	Coast live oak	Quercus agrifolia	8.5	26.703515	12	8.5	3	Growing in 5' planting island.
A4424	Coast live oak	Quercus agrifolia	8	25.13272	15.5	12.25	3	Growing in 5' planting island.
A4425	Holly oak	Quercus ilex	7.25	22.7765275	13	8.75	3	Growing in 7' planting strip. Large lower limbs removed, good wound response.
A4426	Coast live oak	Quercus agrifolia	8.25	25.9181175	18.5	11	3	Growing in 7' planting strip.
A4427	Holly oak	Quercus ilex	8	25.13272	17.5	10	2	Growing in 7' planting strip. Basal sprouting, tip dieback.
A4428	Holly oak	Quercus ilex	9	28.27431		8.5	1	Growing in 7' planting strip. Canopy dieback, sparse canopy. Root damage.
A4429	Coast live oak	Quercus agrifolia	6.75	21.2057325	10	8.25	3	Growing in 5' planting island.
A4430	Holly oak	Quercus ilex	29.5	92.676905	29	13	3	Growing in 6x9 planting area. DBH taken @ 4' below secondary branching. Circling root on E side.
A4431	Holly oak	Quercus ilex	11	34.55749	16	12.25	3	Growing in 6x9 planting area. Lower limbs removed, good wound response. Bird nest.
A4432	Holly oak	Quercus ilex	10.5	32.986695	16	11	3	Growing in 6x9 planting area. DBH taken @ 3' below branching.
A4433	Coast redwood	Sequoia sempervirens	29	91.10611	41.5	14	3	Damaging curb and lifting asphalt. Large burl with basal sprouts.
A4434	Coast redwood	Sequoia sempervirens	23	72.25657	40	13.75	3	Large burl with basal sprouts.
A4435	Holly oak	Quercus ilex	15.5	48.694645	12	9	1	Topped. Minimal canopy.
A4436	Holly oak	Quercus ilex	9.25	29.0597075	12	17	3	Strong lean to NW. Bird nest.
A4437	Holly oak	Quercus ilex	12	37.69908	27	14.75	3	Bird nest (x2).
A4438	Coast live oak	Quercus agrifolia	28	87.96452	28	26.5	4	Bird nest (x6).
A4439	Coast live oak	Quercus agrifolia	20.25	63.6171975	20	22.5	3	Leans strongly NW. Bird nest (x2).
A4440	Coast live oak	Quercus agrifolia	20	62.8318	25	22.5	3	Bird nest (x5).
A4441	Coast live oak	Quercus agrifolia	12.25	38.4844775	25	18	3	Secondary trunk dead. Bird nest (x3).
A4442	Coast live oak	Quercus agrifolia	9.75	30.6305025	22	30	2	Leans strongly N. Minimal canopy.
A4443	Holly oak	Quercus ilex	16.5	51.836235	25	12	3	Bird nest (x3).
A4444	Coast live oak	Quercus agrifolia	13.5	42.411465	24	22	3	Leans strongly N. Bird nest.
A4445	Holly oak	Quercus ilex	11.5	36.128285	25	12.75	3	Bird nest.
A4446	Holly oak	Quercus ilex	8.5	26.703515	24	17	3	Bird nest (x2).
A4447	Holly oak	Quercus ilex	7	21.99113	25	12	3	Bird nest (x2).
A4448	Holly oak	Quercus ilex	11.5	36.128285	26	12	3	Bird nest.
A4449	Holly oak	Quercus ilex	6.5	20.420335	23	10.5	3	
A4450	Coast live oak	Quercus agrifolia	10	31.4159	23	11.5	3	
A4451	Holly oak	Quercus ilex	7.5	23.561925	25	13		
A4452	Coast live oak	Quercus agrifolia	10.25	32.2012975	25	14	3	
A4453	Coast live oak	Quercus agrifolia	13.75	43.1968625	23	16	3	
A4454	Coast live oak	Quercus agrifolia	20.25	63.6171975	22	21.25	3	Leans strongly N. Bird nest.
A4455	Coast live oak	Quercus agrifolia	9.25	29.0597075	20	11	3	Bird nest.
A4456	Coast live oak	Quercus agrifolia	14	43.98226	25	17.5	3	
A4457	Coast live oak	Quercus agrifolia	16.5	51.836235	25	12	3	
A4458	Holly oak	Quercus ilex	13	40.84067	25	14	3	Minimal basal, adventitious sprouting.
A4459	Coast live oak	Quercus agrifolia	15	47.12385	18	16	3	

Tree #	Common Name	Scientific Name	DBH Combined (inches)	Circumference (inches)	Height (feet)	Canopy Radius (feet)	Health	Notes
A4460	Coast live oak	Quercus agrifolia	15.5	48.694645	18	10	3	Bird nest.
A4461	Coast live oak	Quercus agrifolia	6.5	20.420335	18	12	3	
A4462	Coast live oak	Quercus agrifolia	16.25	51.0508375	23	15	3	Leans N.
A4463	Holly oak	Quercus ilex	14.5	45.553055	17	8.75	3	Multiple trunks.
A4464	Coast live oak	Quercus agrifolia	13.75	43.1968625	23	15.25	3	Bird nest.
A4465	Holly oak	Quercus ilex	13	40.84067	14	13	3	Privet rooted at base.
A4466	Deodar cedar	Cedrus deodara	20	62.8318	37.5	13.75	3	
A4467	Coast redwood	Sequoia sempervirens	8.5	26.703515	25	6	3	
A4468	Coast redwood	Sequoia sempervirens	13	40.84067	40	7.25	3	
A4469	Coast redwood	Sequoia sempervirens	14	43.98226	40	9.25	3	
A4470	Coast redwood	Sequoia sempervirens	14.75	46.3384525	43	6.75	3	
A4471	Coast redwood	Sequoia sempervirens	6.5	20.420335	20	7	3	
A4472	Deodar cedar	Cedrus deodara	21	65.97339	55	18.25	4	
A4473	Coast live oak	Quercus agrifolia	6	18.84954	12	8	3	Growing next to building access ramp.
A4474	Coast redwood	Sequoia sempervirens	31	97.38929	80.5	14.25	3	Large burl.
A4475	Coast redwood	Sequoia sempervirens	25.25	79.3251475	61	12.5	3	
A4476	Coast redwood	Sequoia sempervirens	47.5	149.225525	85.5	14	4	
A4477	Coast redwood	Sequoia sempervirens	30.75	96.6038925	70.5	20	3	Large burl with basal sprouts.
A4478	Coast live oak	Quercus agrifolia	18	56.54862	36	23	3	Leans SW over modular building.
A4479	White birch	Betula pendula	20	62.8318	22.5	11	3	Bird nest.
A4480	Washington hawthorn	Crataegus phaenopyrum	6	18.84954	20	10	3	Deciduous, no leaves or flowers. Long thorns.
A4481	Coast redwood	Sequoia sempervirens	12	37.69908	46.5	9	3	
A4482	Coast redwood	Sequoia sempervirens	9.5	29.845105	34	7	3	
A4483	Coast live oak	Quercus agrifolia	12.5	39.269875	20	9	3	Pyracantha and Cotoneaster rooted at base. Bird nest
A4484	Silk oak	Grevillea robusta	15	47.12385	34	13	3	Growing behind connex containers.
A4485	Silk oak	Grevillea robusta	17.25	54.1924275	21.5	14.4	2	Topped (storm damaged). Large cavity on N side.
A4486	Coast redwood	Sequoia sempervirens	8.5	26.703515	17.5	5.5	3	
A4487	Coast redwood	Sequoia sempervirens	12	37.69908	30	8.5	3	
A4488	Coast redwood	Sequoia sempervirens	16	50.26544	46.5	10	3	
A4489	Coast redwood	Sequoia sempervirens	12.5	39.269875	27	9	3	Circling roots.
A4490	Coast redwood	Sequoia sempervirens	8.5	26.703515	24.5	8	3	
A4491	Coast redwood	Sequoia sempervirens	10	31.4159	27	6	3	
A4492	California fan palm	Washingtonia filifera	20	62.8318	35.5	3	3	
A4493	Coast redwood	Sequoia sempervirens	12	37.69908	27	8	3	
A4494	Coast redwood	Sequoia sempervirens	6.75	21.2057325	18	4	3	
A4495	Silver dollar gum	Eucalyptus polyanthemos	25.75	80.8959425	20	12.5	3	
A4496	Silver dollar gum	Eucalyptus polyanthemos	15.5	48.694645	20	8	2	Overshadowed by larger eucalyptus. Sparse canopy, leaning over wall.
A4497	Silver dollar gum	Eucalyptus polyanthemos	25.5	80.110545	41	17.5	3	Bird nest.
A4498	Coast redwood	Sequoia sempervirens	11.5	36.128285	22	9	3	
A4499	Coast redwood	Sequoia sempervirens	13.75	43.1968625	34.5	10	3	
A4500	Coast live oak	Quercus agrifolia	6	18.84954	17	12	3	Growing in 10' planting strip. Surrounded by low shrubs.
A4501	Holly oak	Quercus ilex	7.5	23.561925	12	8	3	Growing in 7' planting strip. Covered in smut fungus.
A4502	Holly oak	Quercus ilex	9.25	29.0597075	15	12	3	Growing in 7' planting strip.
A4503	Coast live oak	Quercus agrifolia	7	21.99113	12	8	3	Growing in 7' planting strip.
A4504	Holly oak	Quercus ilex	7.5	23.561925	10	9	3	Growing in 7' planting strip. Interior rot.
A4505	Holly oak	Quercus ilex	8	25.13272	15	12	3	Growing in 7' planting strip. Bird nest.
A4506	Coast live oak	Quercus agrifolia	10	31.4159	12	9.5	3	Growing in 10' planting strip.
A4507	Coast live oak	Quercus agrifolia	6.25	19.6349375	12	7	3	Growing in 10' planting strip.
A4508	Coast live oak	Quercus agrifolia	6	18.84954	14	5	3	Growing in 10' planting strip. Oleander rooted at base.
A4509	Holly oak	Quercus ilex	9	28.27431	16.5	10	3	Growing in 8' planting strip.
A4510	Holly oak	Quercus ilex	12.5	39.269875	23	11	3	Growing in 8' planting strip.
A4511	Holly oak	Quercus ilex	9.75	30.6305025	16	12	3	Growing in 8' planting strip. Large lower limbs removed, poor wound response.
A4512	Holly oak	Quercus ilex	7.5	23.561925	16	8	3	Growing in 8' planting strip. Included bark at secondary branch union on S side.
A4513	Holly oak	Quercus ilex	15	47.12385	19	13	3	Growing in 8' planting strip.
A4514	Holly oak	Quercus ilex	12	37.69908	21	16	2	Growing in 6' planting strip. Canopy dieback. Adventitious sprouting on scaffold branches.
A4515	Holly oak	Quercus ilex	14	43.98226	20	14	3	Growing in 6' planting strip.
A4516	Holly oak	Quercus ilex	12	37.69908	19	16	3	Growing in 6' planting strip. Basal sprouts. Trunk wound on NW side. Bird nest.

Tree #	Common Name	Scientific Name	DBH Combined (inches)	Circumference (inches)	Height (feet)	Canopy Radius (feet)	Health	Notes
A4517	Holly oak	Quercus ilex	12.5	39.269875	18	14	3	Growing in 6' planting strip. Basal sprouts. Minor canopy dieback on N side. Bird nest.
A4518	Privet	Ligustrum sp.	9.25	29.0597075	17.5	12	1	Growing in 6' planting strip. Large lower limb removed. Canopy dieback, sparse canopy.
A4519	Holly oak	Quercus ilex	6.25	19.6349375	14	9.5	3	Growing in 8' planting strip. Ivy ground cover.
A4520	Holly oak	Quercus ilex	13	40.84067	21	15	3	Growing in 8' planting strip. Ivy ground cover. Minor tip dieback.
A4521	Holly oak	Quercus ilex	8.5	26.703515	17	9	3	Growing in 8' planting strip. Sparse canopy.
A4522	Holly oak	Quercus ilex	8.75	27.4889125	14		3	Growing in 8' planting strip. Bird nest.
A4523	Holly oak	Quercus ilex	9	28.27431	10	10	3	Growing in 7' planting strip.
A4524	Holly oak	Quercus ilex	8.25	25.9181175	16	11	3	Growing in 7' planting strip. Trunk wound on N side, good wound response.
A4525	Holly oak	Quercus ilex	7.75	24.3473225	11	9	3	Growing in 7' planting strip. Ivy ground cover.
A4526	Holly oak	Quercus ilex	11.25	35.3428875	15.5	12	3	Growing in 7' planting strip. Ivy ground cover.
A4527	Holly oak	Quercus ilex	10.5	32.986695	16	10	3	Growing in 7' planting strip. Ivy ground cover. Heading cuts.
A4528	Holly oak	Quercus ilex	6.75	21.2057325	9	6	3	Growing in 5' planting strip. Ivy ground cover.
A4529	Holly oak	Quercus ilex	7.25	22.7765275	12	8	3	Growing in 7' planting strip.
A4530	Holly oak	Quercus ilex	12.75	40.0552725	21	14	3	Growing in 7' planting strip. Trunk wound on W side, good wound response. Bird nest.
A4531	Holly oak	Quercus ilex	13	40.84067	18	9	3	Growing in 7' planting strip. Sparse canopy.
A4532	Holly oak	Quercus ilex	12	37.69908	18	11	3	Growing in 7' planting strip.
A4533	Holly oak	Quercus ilex	10.25	32.2012975	14	10	3	Growing in 7' planting strip. Ivy ground cover.
A4534	Holly oak	Quercus ilex	7.5	23.561925	11	7	3	Growing in 7' planting strip. Ivy ground cover.
A4535	Holly oak	Quercus ilex	8.25	25.9181175	16	7	3	Growing in 7' planting strip. Ivy ground cover.
A4536	Holly oak	Quercus ilex	7.5	23.561925	11.5	6	3	Growing in planting island. Wound in trunk on E side, limbs removed, interior rot.
A4537	Holly oak	Quercus ilex	9.25	29.0597075	17	7.75	3	Growing in planting island surrounded by shrubs. Minor limb dieback.
A4538	Holly oak	Quercus ilex	13	40.84067	23.5	15.5	3	Growing in 7' planting strip. Ivy ground cover.
A4539	Holly oak	Quercus ilex	8.25	25.9181175	12	14.5	3	Growing in 7' planting strip.
A4540	Holly oak	Quercus ilex	8.75	27.4889125	15.5	11.25	3	Growing in 7' planting strip.
A4541	Holly oak	Quercus ilex	9.5	29.845105	15	16.5	3	Growing in 7' planting strip. Minor canopy dieback on N side.
A4542	Holly oak	Quercus ilex	9.25	29.0597075	22.5	10.5	3	Growing in 7' planting strip. Trunk wound on W side, good wound response.
A4543	Holly oak	Quercus ilex	6.25	19.6349375	8	4	3	Growing in 7' planting strip. Basal sprouts. Wire embedded in trunk.
A4544	Red iron bark	Eucalyptus sideroxylon	23.5	73.827365	51.5	21	3	Lower branch loss, removal.
A4545	Red iron bark	Eucalyptus sideroxylon	28	87.96452	52.5	22	3	Lower limb loss.
A4546	Red iron bark	Eucalyptus sideroxylon	20	62.8318	52	16.5	3	
A4547	Red iron bark	Eucalyptus sideroxylon	18.75	58.9048125	37.5	20.5	3	Lower limb loss, good wound response.
A4548	Red iron bark	Eucalyptus sideroxylon	21.25	66.7587875	57	13.5	3	Bird nest.
A4549	Red iron bark	Eucalyptus sideroxylon	20	62.8318	39.5	19	3	
A4550	Red iron bark	Eucalyptus sideroxylon	23.5	73.827365	47	22	3	Wounds on main trunk @ 16', evidence of pests (sap). Bird nest.
A4551	Coast live oak	Quercus agrifolia	9.5	29.845105	18.5	10	3	Surrounded by oleander.
A4552	Coast redwood	Sequoia sempervirens	17.5	54.977825	40	10.5	3	
A4553	Coast redwood	Sequoia sempervirens	14.75	46.3384525	35	13	3	
A4554	Coast redwood	Sequoia sempervirens	13.5	42.411465	30	12	3	Minimal canopy on E side.
A4555	Coast redwood	Sequoia sempervirens	14.5	45.553055	35	11.5	3	
A4556	Coast redwood	Sequoia sempervirens	9	28.27431	28	11	3	
A4557	Coast redwood	Sequoia sempervirens	18	56.54862	52	14	3	
A4558	Coast redwood	Sequoia sempervirens	8.75	27.4889125	26.5	8.5	3	
A4559	Coast redwood	Sequoia sempervirens	11	34.55749	26.5	15	3	
A4560	Coast redwood	Sequoia sempervirens	18	56.54862	40.5	11.5	3	
A4561	Bradford pear	Pyrus calleryana	8.25	25.9181175	25	10	3	Lower branches pruned. Flowering.
A4562	Bradford pear	Pyrus calleryana	10	31.4159	27	13	3	Trunk rot at soil line. Flowering.
A4563	Bradford pear	Pyrus calleryana	14.5	45.553055	32	20	3	Bird nest (x5).
A4564	Hackberry	Celtis sp.	21.25	66.7587875	32	16.5	3	No leaves. Bird nest.
A4565	Southern live oak	Quercus virginiana	6.5	20.420335	12	9	3	DBH taken @ 1' below branching.
A4566	Crepe myrtle	Lagerstroemia indica	6	18.84954	22	4.5	3	Growing in 12' planting island. No leaves, ID'd by bark.
A4567	Alder	Alnus sp.	13.25	41.6260675	18	19	3	No leaves, only catkins.
A4568	Alder	Alnus sp.	10.25	32.2012975	18	17.5	3	Tree leans SE. No leaves, only catkins.
A4569	Paper birch	Betula papyrifera	6.75	21.2057325	24	14	3	DBH taken @ 3' below branching. Lots of surface roots. No leaves.
A4570	Paper birch	Betula papyrifera	6.75	21.2057325	24	12	3	Lots of surface roots.
A4571	Paper birch	Betula papyrifera	6.25	19.6349375	24	7.5	3	DBH taken @ 3' below branching. Lots of surface roots. No leaves.
A4572	Paper birch	Betula papyrifera	8	25.13272	24	16	3	DBH taken @ 3' below branching. Lots of surface roots. No leaves.
A4573	Purple-leaf plum	Prunus cerasifera 'Atropurpurea'	8.25	25.9181175	16	11	1	Growing in 2' planting circle. Bark lossn interior rot in main trunk. Major canopy dieback.

Tree #	Common Name	Scientific Name	DBH Combined (inches)	Circumference (inches)	Height (feet)	Canopy Radius (feet)	Health	Notes
A4574	Purple-leaf plum	Prunus cerasifera 'Atropurpurea'	6	18.84954	15	9	2	Growing in 2' planting square. Interior rot. Some branch dieback.
A4575	Ash	Fraxinus sp.	16	50.26544	28.5	14	3	Insufficient planting space - lifting concrete, trunk overgrowing concrete. Bird nest (x3).
A4576	Coast redwood	Sequoia sempervirens	29.5	92.676905	69.5	15	3	
A4577	Coast redwood	Sequoia sempervirens	15.5	48.694645	43.5	11	3	Ivy ground cover.
A4578	Coast redwood	Sequoia sempervirens	31	97.38929	71.5	12	3	Ivy ground cover.
A4579	Paper birch	Betula papyrifera	13.75	43.1968625	28	17	3	DBH taken @ 1' below branching. Ivy ground cover. No leaves.
A4580	Paper birch	Betula papyrifera	6.5	20.420335	20	12	3	DBH taken @ 2' below branching. Ivy ground cover. No leaves.
A4581	Paper birch	Betula papyrifera	15.75	49.4800425	26	13.5	3	DBH taken @ 1' below branching. Ivy ground cover. No leaves.
A4582	Coast redwood	Sequoia sempervirens	25.5	80.110545	67.5	13	3	Ivy ground cover.
A4583	Coast redwood	Sequoia sempervirens	25.75	80.8959425	69.5	14	4	
A4584	Coast redwood	Sequoia sempervirens	31.75	99.7454825	73.5	14	4	
A4585	Japanese maple	Acer palmatum	6.75	21.2057325	15	12	3	DBH taken @ 1' below branching. Lots of surface roots.
A4586	Purple-leaf plum	Prunus cerasifera 'Atropurpurea'	6.5	20.420335	18	6.5	1	Bark loss, interior rot. Codominant leaders removed, minimal canopy.
A4587	Crepe myrtle	Lagerstroemia indica	6.25	19.6349375	9	3	3	DBH taken @ 3' below branching. Lollipopped. No leaves.
A4588	Coast redwood	Sequoia sempervirens	50	157.0795	61.5	11	2	In planting island. Trunk splits around 5', DBH taken above split. Large burl w/basal sprouts. Foliar decline, yellowing, dieback.
A4589	Bradford pear	Pyrus calleryana	14.5	45.553055	28	15	3	Ivy ground cover. Bird nest (x6).
A4590	Bradford pear	Pyrus calleryana	7.5	23.561925	20	10	3	Tons of basal sprouts, likely from removing ivy ground cover.
A4591	Paper birch	Betula papyrifera	6.25	19.6349375	18	7.5	3	DBH taken @ 2' below branching. Ivy ground cover.
A4592	Holly oak	Quercus ilex	9.25	29.0597075	24	10	3	Growing in 7' planting strip surrounded by shrubs.
A4593	Holly oak	Quercus ilex	8	25.13272	20	7.5	3	Growing in planting island surrounded by shrubs. Lower limbs removed.
A4594	Holly oak	Quercus ilex	7	21.99113	22	9	3	Growing in 7' planting strip.
A4595	Ash	Fraxinus sp.	16.5	51.836235	26	19	3	Growing in 7' planting strip with shrubs. Basal sprouts.
A4596	Ash	Fraxinus sp.	14.25	44.7676575	28	12.5	3	Growing in 7' planting strip. DBH taken @ 3' below branching. Minor limb dieback.
A4597	Ash	Fraxinus sp.	12.5	39.269875	28	12	3	Growing in 7' planting strip with shrubs. Basal sprouts.
A4598	Ash	Fraxinus sp.	9.25	29.0597075	18	10	3	Growing in 7' planting strip with shrubs.
A4599	Ash	Fraxinus sp.	10.25	32.2012975	21	14	3	Growing in 7' planting strip with shrubs.
A4600	Ash	Fraxinus sp.	9.5	29.845105	21	10	3	Growing in 7' planting strip with shrubs.
A4601	Ash	Fraxinus sp.	11	34.55749	20	13.5	3	Growing in 6' planting strip.
A4602	Ash	Fraxinus sp.	6	18.84954	17	12	3	Growing in 7' planting strip with shrubs.
A4603	Chinese juniper	Juniperus chinensis	30	94.2477	31	15	3	Growing in 7' planting strip with shrubs.
A4604	Ash	Fraxinus sp.	9.5	29.845105	15	8	1	Growing in 7' planting strip with shrubs. Interior rot.
A4605	Ash	Fraxinus sp.	11	34.55749	17	8	2	Growing in 7' planting strip with shrubs. Interior rot, some limb dieback.
A4606	Ash	Fraxinus sp.	8.5	26.703515	17	8	2	Growing in 7' planting strip with shrubs. Interior rot, limb dieback.
A4607	Ash	Fraxinus sp.	8	25.13272	17	9	2	Growing in 7' planting strip with shrubs. Basal sprouts. Interior rot, limb dieback.
A4608	Ash	Fraxinus sp.	7.5	23.561925	24	8	3	Growing in 7' planting island.
A4609	Ash	Fraxinus sp.	8.5	26.703515	23	8.5	2	Growing in 7' planting strip with shrubs. Some limb dieback.
A4610	Ash	Fraxinus sp.	12.5	39.269875	22	11	3	Growing in 7' planting strip with shrubs.
A4611	Ash	Fraxinus sp.	11.5	36.128285	29	12	3	Growing in 7' planting strip with shrubs. Bird nest (x2).
A4612	Ash	Fraxinus sp.	11.5	36.128285	22	15	3	Growing in 7' planting strip with shrubs. Basal sprouts. Minor branch dieback.
A4613	Ash	Fraxinus sp.	15.75	49.4800425	24	15	2	Surrounded by shrubs. Basal sprouts. Limb dieback.
A4614	Coast redwood	Sequoia sempervirens	21	65.97339	50	10	3	
A4615	Coast redwood	Sequoia sempervirens	21.5	67.544185	52	11	3	
A4616	Coast redwood	Sequoia sempervirens	21	65.97339	43.5	8	3	
A4617	Coast redwood	Sequoia sempervirens	11.5	36.128285	23	8	3	
A4618	Coast redwood	Sequoia sempervirens	16	50.26544	37.5	9.5	4	
A4619	Coast redwood	Sequoia sempervirens	29.75	93.4623025	54	14	3	
A4620	Coast redwood	Sequoia sempervirens	19.5	61.261005	40	11	3	
A4621	Coast redwood	Sequoia sempervirens	18.75	58.9048125	43	12	3	
A4622	Deodar cedar	Cedrus deodara	23.5	73.827365	45	22.5	3	
A4623	Deodar cedar	Cedrus deodara	20	62.8318	45	14	3	
A4624	Deodar cedar	Cedrus deodara	22	69.11498	45	16	3	Lower branches removed.
A4625	Ash	Fraxinus sp.	24.5	76.968955	47.5	21	3	Lots of surface roots. Bird nest (x2).
A4626	Holly oak	Quercus ilex	6	18.84954	12	8	3	
A4627	Ash	Fraxinus sp.	10.5	32.986695	34.5	10	3	Lots of surface roots.
A4628	Ash	Fraxinus sp.	10	31.4159	37.5	15	3	Lots of surface roots, circling roots.
A4629	Ash	Fraxinus sp.	13.5	42.411465	34	13	3	Lots of surface roots, circling roots.

Tree #	Common Name	Scientific Name	DBH Combined (inches)	Circumference (inches)	Height (feet)	Canopy Radius (feet)	Health	Notes
A4630	Ash	Fraxinus sp.	15	47.12385	37	16	3	Lots of surface roots, circling roots.
A4631	Ash	Fraxinus sp.	12	37.69908	32.5	13	1	Lots of surface roots. Interior rot. Major canopy dieback.
A4632	Ash	Fraxinus sp.	12.25	38.4844775	31	17	3	Lots of surface roots.
A4633	Ash	Fraxinus sp.	15.75	49.4800425	40.5	13	3	Lots of surface roots, circling roots. Bird nest.
A4634	Ash	Fraxinus sp.	7	21.99113	32	13	2	Sparse canopy.
A4635	Ash	Fraxinus sp.	16.25	51.0508375	44	16	3	Lots of surface roots, circling roots. Lifting sidewalk ~1/2".
A4636	Ash	Fraxinus sp.	14.75	46.3384525	43	15	3	Lots of surface roots, circling roots.
A4637	Ash	Fraxinus sp.	15	47.12385	31	13	2	Lots of surface roots, circling roots. Canopy dieback.
A4638	Coast redwood	Sequoia sempervirens	14.75	46.3384525	50	9	3	
A4639	Coast redwood	Sequoia sempervirens	15	47.12385	50	7	3	
A4640	Crepe myrtle	Lagerstroemia indica	7	21.99113	19	10	3	No leaves.
A4641	Bradford pear	Pyrus calleryana	10	31.4159	26.5	13	3	Lots of surface roots.
A4642	Bradford pear	Pyrus calleryana	13	40.84067	27	17	3	
A4643	Sycamore	Platanus sp.	7	21.99113	28	12	3	No leaves.
A4644	Bradford pear	Pyrus calleryana	10.5	32.986695	29	15	3	Lots of surface roots. Limb lost.
A4645	Crepe myrtle	Lagerstroemia indica	10.5	32.986695	24	10	3	DBH taken @ 1' below branching.
A4646	Coast redwood	Sequoia sempervirens	15	47.12385	50	10.5	3	
A4647	Crepe myrtle	Lagerstroemia indica	8.5	26.703515	26	13	3	No leaves.
A4648	Coast redwood	Sequoia sempervirens	16	50.26544	47	12	3	
A4649	Fern pine	Afrocarpus falcatus	14.5	45.553055	39	16	3	
A4650	Fern pine	Afrocarpus falcatus	14.5	45.553055	35	11	3	
A4651	Crepe myrtle	Lagerstroemia indica	8	25.13272	24	12	3	No leaves.
A4652	Purple-leaf plum	Prunus cerasifera 'Atropurpurea'	7.5	23.561925	13	7	3	Minor limb dieback.
A4653	Sycamore	Platanus sp.	6.5	20.420335	26	10	3	No leaves.
A4654	Sycamore	Platanus sp.	7.25	22.7765275	26	10	3	No leaves.
A4655	Sycamore	Platanus sp.	7.75	24.3473225	26	11	3	No leaves.
A4656	Coast redwood	Sequoia sempervirens	19.5	61.261005	47	12	3	
A4657	Fern pine	Afrocarpus falcatus	13.25	41.6260675	28.5	14.5	3	Growing in 7' planting strip.
A4658	Fern pine	Afrocarpus falcatus	13.75	43.1968625	30.5	11	3	Growing in 7' planting strip.
A4659	Paper birch	Betula papyrifera	9.5	29.845105	21	8.5	3	DBH taken @ 2' below branching. No leaves. Bird nest.
A4660	Paper birch	Betula papyrifera	9.5	29.845105	24	9	3	DBH taken @ 1' below branching. No leaves.
A4661	Coast live oak	Quercus agrifolia	19.25	60.4756075	33.5	20	4	Lots of surface roots. Lower branches removed recently. Bird nest.
A4662	Bradford pear	Pyrus calleryana	10.25	32.2012975	31	13.5	3	
A4663	Bradford pear	Pyrus calleryana	10	31.4159	31	11.5	3	
A4664	Bradford pear	Pyrus calleryana	9	28.27431	19	11	2	Excessively pruned. Minimal canopy.
A4665	Bradford pear	Pyrus calleryana	10.25	32.2012975	18	9	2	Excessively pruned. Minimal canopy.
A4666	Coast live oak	Quercus agrifolia	11.5	36.128285	17	11.5	2	Excessively pruned. Minimal canopy.
A4667	Bradford pear	Pyrus calleryana	8	25.13272	20	12.5	2	Excessively pruned. Minimal canopy.
A4668	Bradford pear	Pyrus calleryana	7.5	23.561925	20	8	2	Excessively pruned. Minimal canopy.
A4669	Coast live oak	Quercus agrifolia	11	34.55749	16	11	2	DBH taken @ 4' below branching. Excessively pruned. Minimal canopy.
A4670	Coast live oak	Quercus agrifolia	15	47.12385	25	16	3	
A4671	Japanese maple	Acer palmatum	8	25.13272	25	11	3	DBH taken @ 1' below branching.
A4672	Japanese maple	Acer palmatum	7.5	23.561925	23	10.5	3	DBH taken @ 1' below branching.
A4673	Japanese maple	Acer palmatum	7.25	22.7765275	16	9	3	DBH taken @ 1' below branching.
A4674	Japanese maple	Acer palmatum	6.75	21.2057325	16	10	3	DBH taken @ 1' below branching.
A4675	Japanese maple	Acer palmatum	8.25	25.9181175	19	11	3	DBH taken @ 1' below branching. Lots of surface roots.
A4676	Coast live oak	Quercus agrifolia	13.75	43.1968625	24.5	13.75	3	
A4677	Coast live oak	Quercus agrifolia	6.75	21.2057325	12	10	3	Growing in planting island. Sparse canopy.
A4678	Japanese maple	Acer palmatum	9	28.27431	19.5	13	3	DBH taken @ 1' below branching.
A4679	Coast live oak	Quercus agrifolia	13.25	41.6260675	23	17	3	
A4680	Paper birch	Betula papyrifera	7.25	22.7765275	28.5	9	3	Lots of surface roots. No leaves.
A4681	Paper birch	Betula papyrifera	7	21.99113	17	11	3	DBH taken @ 2' below branching. No leaves.
A4682	Japanese maple	Acer palmatum	9.5	29.845105	16	12	3	DBH taken @ ground level below branching.
A4683	Japanese maple	Acer palmatum	8	25.13272	16	11	3	DBH taken @ 1' below branching.
A4684	Unknown	---	9.25	29.0597075	21	11	3	Lots of surface roots. No leaves.
A4685	Japanese maple	Acer palmatum	6.25	19.6349375	13	11	3	DBH taken @ 6" below branching.
A4686	Camphor tree	Cinnamomum camphora	15.75	49.4800425	25	9	2	Canopy dieback, resprouting.

Tree #	Common Name	Scientific Name	DBH Combined (inches)	Circumference (inches)	Height (feet)	Canopy Radius (feet)	Health	Notes
A4687	Coast live oak	Quercus agrifolia	13	40.84067	22	12	2	Sparse canopy, overshadowed.
A4688	Privet	Ligustrum sp.	6.5	20.420335	24	10	3	Growing on steep slope. Lots of surface roots.
A4689	Coast redwood	Sequoia sempervirens	25	78.53975	75.5	11	3	Basal sprouts.
A4690	Red flowering gum	Corymbia ficifolia	25.5	80.110545	38	19	3	
A4691	Camphor tree	Cinnamomum camphora	10.5	32.986695	14	12	2	Overshadowed. Canopy on S side.
A4692	Canary island date palm	Phoenix canariensis	43.25	135.8737675	14	12	4	
A4693	Holly oak	Quercus ilex	12.75	40.0552725	14	7	2	Topped.
A4694	Ash	Fraxinus sp.	15.25	47.9092475	30.5	13	2	Lots of surface roots. Topped, minimal canopy.
A4695	Japanese maple	Acer palmatum	7.5	23.561925	13	10	3	
A4696	Japanese maple	Acer palmatum	8	25.13272	12	10	3	Minor branch dieback.
A4697	Japanese maple	Acer palmatum	7.75	24.3473225	12	12.5	1	Cracks in trunk. Fungal fruiting bodies, branch dieback.
A4698	Ash	Fraxinus sp.	17.75	55.7632225	27	10	2	Lots of surface roots. Topped, minimal live canopy.
A4699	Ash	Fraxinus sp.	12.25	38.4844775	24	10	2	Topped, minimal live canopy.
A4700	Ash	Fraxinus sp.	15.25	47.9092475	24	7.5	2	Topped.
A4701	Ash	Fraxinus sp.	13.5	42.411465	25	10	3	Lots of surface roots. Branch dieback.
A4702	Ash	Fraxinus sp.	13	40.84067	32.5	10	3	Lots of surface roots. Bird nest.
A4703	Ash	Fraxinus sp.	17	53.40703	29.5	14	3	Lots of surface, circling roots. Bird nest (x3).
A4704	Southern magnolia	Magnolia grandiflora	6.25	19.6349375	23	10.5	3	Lots of surface roots.
A4705	Flowering cherry	Prunus sp.	6.5	20.420335	8	8	3	

ATTACHMENT C

DEFINITIONS

Canopy: Canopy is the farthest extent of the crown composed of leaves and small twigs. This measurement further defines the Critical Root Zone (CRZ) or Protection Zone (PZ), which is a circular area around a tree with a radius equal to a tree's largest dripline plus 1 foot. Our canopy measurement is the longest dripline measurement from the center point of the tree and includes the 1 foot only on the Tree Site Map.

Co-Dominant Leader: Stems or trunks of the tree that are equal in size and relative importance.

Diameter: Diameter (diameter breast height) is normally measured at 4 feet 6 inches (above the average ground height for "Urban Forestry"), but if that varies then the location where it is measured is noted here. A Spencer Combination Logger's and Diameter steel tape was used to measure tree DBH.

Epicormic Growth: Shoots that arise from latent buds along the tree's trunk or mature branches. This growth is usually a sign that the tree has undergone a stressful period.

Included Bark: A sharp "V" crotch, usually less than a 45-degree angle of attachment, between two branches where the bark is kept between two narrowly joined branches and the bark is continually turned inward, rather than being pushed out. It is a common point for potential massive structural failure and this hazard can be minimized with properly installed and maintained cabling, bolting, or bracing.

Lean with Correction: The trunk of these trees developed at an angle as the canopy grew toward sunlight and corrected to an upright shape when it reached a space where direct sunlight could reach the leaves. This type of lean is not normally associated with a higher risk of failure.

Narrow Angle Attachment: A sharp "V" crotch, usually less than a 45-degree angle of attachment. Included bark is explained above and is common in branches with narrow attachments. In addition, these branches may not be attached to the trunk as well as others with wider angles of attachment and can fail more frequently depending on the size of the branch.

Poor Crown Ratio: Trees that have self-limbed to have foliage only at the top. The weight of the foliage at the tip of a long lever (the trunk) can be a significant factor in analysis of risk of failure.

Poor Structure: These trees have grown with structural imperfections that cannot be corrected and therefore render them hazardous and more likely to fail in the future.

Rating: Rating is subjective to condition and is based on both the health and structure of the tree, per the recognized national standard established by the Council of Tree and Landscape Appraisers and the International Society of Arboriculture (ISA) on a numeric scale of 5 (being the highest) to 0

(the worst condition, dead) as in Table B. Rating is performed in the field at the time of the measuring and inspection. The rating scale is shown below.

- **Rating #0 – Dead:** This indicates a tree that has no significant sign of life.

- **Rating #1 – Poor:** The problems are extreme. This rating is assigned to a tree that has structural and/or health problems that no amount of work or effort can change. The issues may or may not be considered a dangerous situation.

- **Rating #2 – Fair:** The tree has significant problems. If the option is taken to preserve the tree, its condition could be improved with correct arboricultural work including, but not limited to pruning, cabling, bracing, bolting, guying, spraying, mistletoe removal, vertical mulching, fertilization, etc. If the recommended actions are completed correctly, hazard can be reduced, and the rating can be elevated to a 3. If no action is taken, the tree is considered a liability and should be removed.

- **Rating #3 – Good:** The tree is in good condition. There are some minor structural or health problems that pose no immediate danger. When the recommended actions in an arborist report are completed correctly, the defect(s) can be minimized or eliminated.

- **Rating #4 – Above Average:** The tree is in above average condition and there are no apparent problems that a Certified Arborist can see from a visual ground inspection. If potential structural or health problems are tended to at this stage, future hazard can be reduced, and more serious health problems can be averted.

- **Rating #5 – Excellent:** No problems found from a visual ground inspection. Structurally, these trees have properly spaced branches and near perfect characteristics for the species. Highly rated trees are not common in natural or developed landscapes. No tree is ever perfect especially with the unpredictability of nature, but with this highest rating, the condition should be considered excellent.

Species: Species of trees is listed by our local and correct common name and botanical name by genus (capitalized) and species (lower case). Oaks frequently cross-pollinate and hybridize, but the identification is towards the strongest characteristics.

Sparse Canopy or Poor Leaf Surface: A measure of the opacity of the leaves in the tree associated with reduced growth, reduced energy for disease and pest resistance, and overall poor health.

Splits: Splits are open cracks or fissures in tree trunks or branches.

Suckers: Suckers are upright, epicormic shoots arising from the roots or base of the tree, often as a result of injury.

Unbalanced Canopy: Either the trunk is leaning and/or the canopy is phototropic and overly heavy on one side. This is normally considered a correctible defect.