

February 28, 2025

John Stack
Kingsbarn Realty Capital LLC
2500 Sand Hill Road, Suite 320
Menlo Park, California 94025

VIA EMAIL
JStack@kingsbarn.com

Subject: Terravita Project Site Tree Inventory, Laguna Hills, California

Dear Mr. Stack:

Psomas is pleased to provide this tree inventory report for the Terravita Project site in Laguna Hills, California.

PURPOSE OF TREE REPORT

The purpose of the tree inventory is to support the environmental assessment of the proposed Project by documenting the type, quantity, and condition of trees on the Project site and to determine the quantity of trees that could be impacted by the project.

PROJECT LOCATION

The Project site is located in the city of Laguna Hills, California and is bounded by Mill Creek Drive to the west and north, Ridge Route Drive to the south, and Veeh Reservoir to the northeast. (Exhibit 1). The Project site is surrounded by urban commercial and residential areas.

EXISTING CONDITIONS

The Project site consists generally of two separate areas. These areas include (1) an office park with adjacent surface parking lots and (2) a disturbed slope to the northeast leading down to the west bank of Veeh Reservoir. The vegetation on the disturbed slope area mostly consists of acacia shrubs (*Acacia* sp.) as an introduced ground cover to stabilize the slope. River red gum eucalyptus (*Eucalyptus camaldulensis*) is the dominant tree species on the slope with Peruvian pepper tree (*Schinus molle*) and Aleppo pine (*Pinus halepensis*) scattered throughout. The office park and surface parking lots are developed with a mix of non-native trees occurring throughout the area in concrete contained tree wells. Several trees occur along Mill Creek Drive and Ridge Route Drive, mostly consisting of Brisbane box (*Lophostemon confertus*) and London plane tree (*Platanus x hispanica*).

FIELD METHODOLOGY

Psomas Certified Arborist Trevor Bristle (International Society of Arboriculture [ISA] Certificate No. WE-7752A) and Psomas qualified Biologist Jack Underwood visited the Project site on February 18, 21, 24 and 25, 2025 to document the type, quantity, and condition of trees on the Project site. The field survey was conducted by walking the entire site. Due to the absence of a specific regulatory ordinance,

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standard tree survey methodology was used. The minimum size threshold to be included in this inventory is a trunk diameter at standard height (DSH [i.e., 48 inches above grade]) of four inches. All trees within and immediately adjacent to the Project boundary that meet this minimum size were included in the inventory. Each tree was individually numbered, and the trunk, branches, and foliage were examined. A hand-held Global Positioning System (GPS) unit was used to record the location of each tree. Because the slope steepness and dense vegetation made access unsafe in many portions of the disturbed slope area, many trees were recorded remotely by standing on the top ridge and examining trees with binoculars.

Due to the abundance and density of red gum eucalyptus at the bottom of the slope near Veeh Reservoir, Psomas Arborists counted the number of trees in this area and indicated their location as a single polygon. The following tree data were recorded during the field visits: tree species, trunk DSH, tree height, and canopy width. The health and aesthetic quality of each tree was assessed on a scale of 1 (very poor) to 5 (excellent).

The health evaluation generally considered visual evidence of vigor, such as the amount of foliage; leaf color and size; presence of branch or twig dieback; severity of insect infestation; the presence of disease; heart rot; fire damage; mechanical damage; amount of new growth; appearance of bark; and rate of callous development over wounds. Structural integrity was also evaluated with respect to branch attachment, branch placement, root health, and stability. Tree aesthetics were evaluated with respect to overall form and symmetry, crown balance, branching pattern, and broken branches.

RESULTS

A total of 699 trees are documented within this report (Exhibit 2). During Psomas's site visits, 376 individual trees were surveyed with an additional 265 red gum eucalyptus in the area at the bottom of the slope adjacent to Veeh Reservoir that are mapped as polygon. An additional 59 trees were captured during a previous survey effort in January 2024 by Registered Consulting Arborist Eric Gorsuch. The polygon at the bottom of the slope includes trees that appear to be outside the Project boundary. A summary of all trees that were encountered during both tree surveys are summarized below in Table 1 while a detailed summary of all collected tree is in Attachment A. A copy of Mr. Gorsuch's previous tree inventory report is provided in Attachment B.

Trees within the Project site boundary include 1 camphor tree (*Cinnamomum camphora*), 320 river red gum eucalyptus (*Eucalyptus camaldulensis*; 55 individually mapped trees and 265 in the polygon adjacent to Veeh Reservoir), 9 rusty-leaf figs (*Ficus rubiginosa*), 1 ash tree (*Fraxinus* sp.), 1 toyon (*Heteromeles arbutifolia*), 122 Chinese flame trees (*Koelreuteria bipinnata*), 18 crape myrtles (*Lagerstroemia indica*), 22 American sweetgums (*Liquidambar styraciflua*), 36 brisbane box trees (*Lophostemon confertus*), 33 southern magnolias (*Magnolia grandiflora*), 1 olive tree (*Olea europaea*), 65 Aleppo pines (*Pinus halepensis*), 6 Australian cheesewoods (*Pittosporum undulatum*), 19 California sycamores (*Platanus racemosa*), 32 London plane trees (*Platanus x hispanica*), 3 honey mesquites (*Prosopis glandulosa*), 2 thornless honey mesquites (*Prosopis glandulosa* "Maverick"), 1 blue elderberry (*Sambucus mexicana*), and 8 Peruvian pepper trees (*Schinus molle*). All of the trees within the surface parking lot and office park areas appear to have been intentionally planted. Trees on the slope are likely a combination of specimens intentionally planted for landscaping purposes with many others that are volunteer trees.

Trees within the Project site were generally in good to poor health. Several trees suffer from over-pruning and some branch and stem decay can be seen on trees located within the parking lots and office areas. Trees on the slope that are not close to the office buildings do not appear to have been recently pruned or maintained. Many trees are growing in tree wells that are surrounded by pavement, which limits root development and reflects heat back towards the tree, providing a general stressor to their overall health. While no evidence of infectious tree diseases was observed for any of the trees documented in this report it should be noted that some root crowns on trees within the office park were observed to have fungal bodies growing on them.

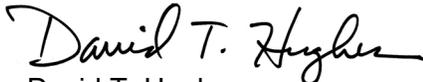
**TABLE 1
 TREE INVENTORY SUMMARY**

Tree Species		Total Existing	DSH Size Range (in)	Height Range (ft)
Common Name	Scientific Name			
Individually Mapped Trees				
camphor tree	<i>Cinnamomum camphora</i>	1	4.2	12
river red gum	<i>Eucalyptus camaldulensis</i>	55	3.61 – 47.4	20 – 75
rusty-leaf fig	<i>Ficus rubiginosa</i>	9	10.8 – 24.0	25 – 40
ash	<i>Fraxinus</i> sp.	1	6.8	30
toyon	<i>Heteromeles arbutifolia</i>	1	21.5	12
Chinese flame tree	<i>Koelreuteria bipinnata</i>	122	4.7 – 17.2	10 – 40
crape myrtle	<i>Lagerstroemia indica</i>	18	6.7 – 31.5	15 – 25
American sweetgum	<i>Liquidambar styraciflua</i>	22	3 – 30	11 – 40
Brisbane Boxtree	<i>Lophostemon confertus</i>	36	2.83 – 27	12 – 50
southern magnolia	<i>Magnolia grandiflora</i>	33	5.5 – 13.4	12 – 30
olive tree	<i>Olea europaea</i>	1	8.8	12
Aleppo pine	<i>Pinus halepensis</i>	65	4.0 – 45.4	25.0 – 75.0
Victorian box	<i>Pittosporum undulatum</i>	6	4.5 – 10.9	12.0 – 25.0
California sycamore	<i>Platanus racemosa</i>	19	3.0 – 17.0	15.0 – 75.0
London plane tree	<i>Platanus x hispanica</i>	32	5.0 – 15.0	15.0 – 45.0
honey mesquite	<i>Prosopis glandulosa</i>	3	4.0 – 19.0	20.0 – 35.0
thornless honey mesquite	<i>Prosopis glandulosa</i> 'Maverick'	2	6.3 – 14.9	25.0 – 35.0
blue elderberry	<i>Sambucus mexicana</i>	1	6.2	15
Peruvian pepper tree	<i>Schinus molle</i>	8	8.0 – 30.0	15.0 – 35.0
Subtotal		434		
River Red Gum within Polygon				
river red gum	<i>Eucalyptus camaldulensis</i>	131	4.0 – 9.99	–
river red gum	<i>Eucalyptus camaldulensis</i>	63	10.0 – 14.99	–
river red gum	<i>Eucalyptus camaldulensis</i>	47	15.0 – 19.99	–
river red gum	<i>Eucalyptus camaldulensis</i>	10	20.0 – 24.99	–
river red gum	<i>Eucalyptus camaldulensis</i>	6	25.0 – 29.99	–
river red gum	<i>Eucalyptus camaldulensis</i>	8	30.0 +	–
Subtotal		265		
TOTAL		699		
DSH: trunk diameter at standard height; in: inches; ft: feet				
*The DSH for trees that are multi-trunk trees are represented as the sum of all the trunks.				

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Please call Trevor Bristle at 626.204.6538 with any questions related to this report.

Sincerely,
P S O M A S


David T. Hughes
Senior Project Manager


Trevor Bristle
Certified Arborist
International Society of Arboriculture
Certificate No. WE-10233A
Registered Consulting Arborist #746

Attachments: Exhibits 1 and 2
A – Tree Data Summary
B – 2024 Tree Inventory Report

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 Project Boundary

Project Location

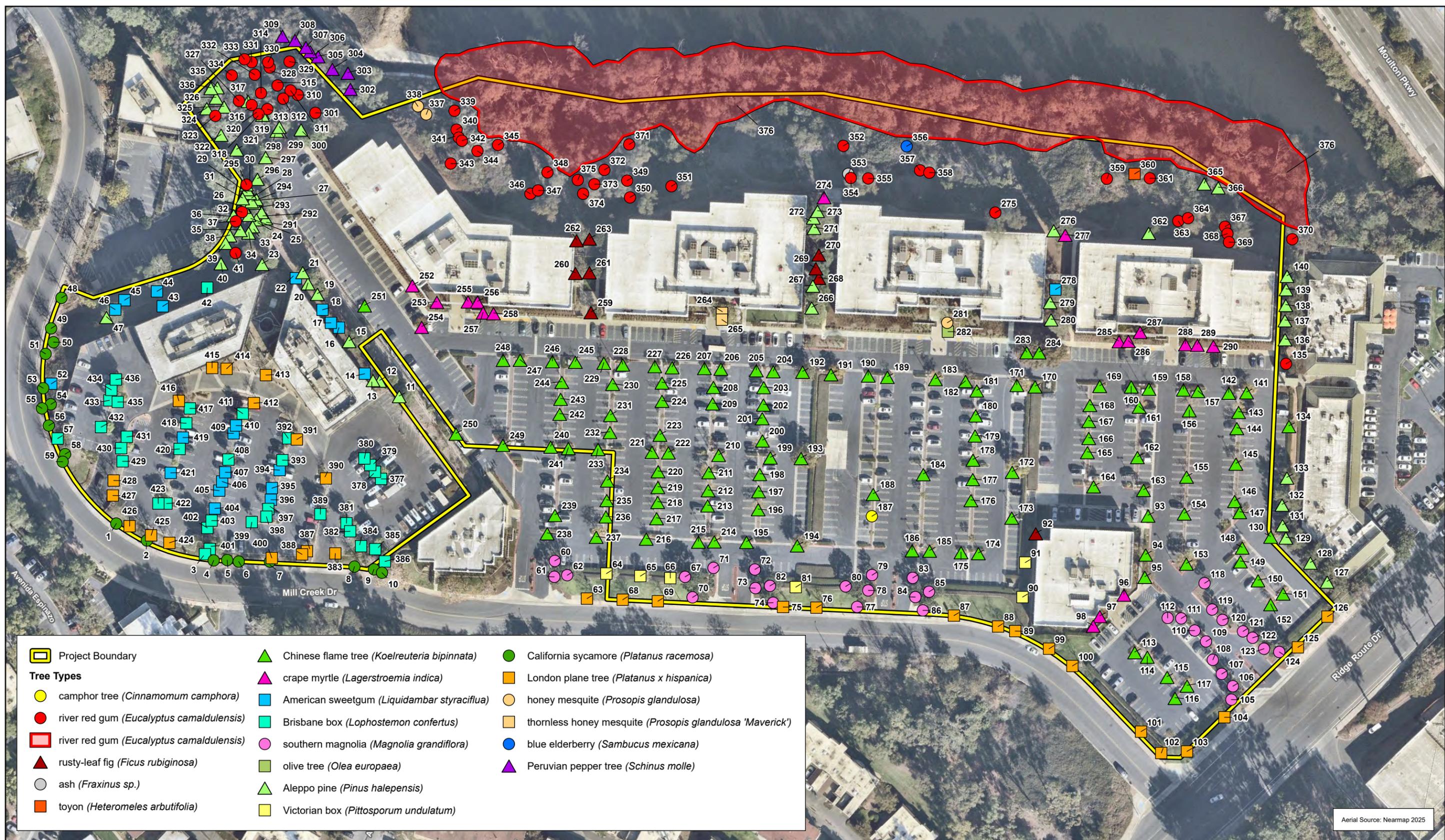
Tree Survey Report for the Terravita Project, Laguna Hills CA



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Feet

Exhibit 1





Tree Locations

Tree Survey Report for the Terravita Project, Laguna Hills CA



Exhibit 2



ATTACHMENT A
TREE DATA SUMMARY

**TABLE A-1
SUMMARY OF COLLECTED TREE DATA**

Tree ID#	Common Name	Species	# of Trunks	Trunk DSH (in)				Total DSH (in)	Height (ft)	Canopy Diameter (ft)	Health	Aesthetics	Notes (physical condition)
				1st Trunk	2nd Trunk	3rd Trunk	Additional Trunks						
1	California sycamore	<i>Platanus racemosa</i>	1	13.0	-	-	-	13.0	15-30	15	3	3	Lean, root damage, over pruned.
2	California sycamore	<i>Platanus racemosa</i>	1	14.0	-	-	-	14.0	30-50	25	3	3	Over pruned, epicormic branching, root damage, topped
3	Brisbane box	<i>Lophostemon confertus</i>	1	27.0	-	-	-	27.0	30-50	30	4	4	Over pruned, epicormic branching
4	California sycamore	<i>Platanus racemosa</i>	1	11.0	-	-	-	11.0	30-50	20	3	3	Over pruned, epicormic branching, root damage, topped
5	California sycamore	<i>Platanus racemosa</i>	1	11.0	-	-	-	11.0	15-30	15	3	3	Root decay. Over Pruned, Topped, Epicormic shoots
6	California sycamore	<i>Platanus racemosa</i>	1	3.0	-	-	-	3.0	<15	4	3	3	Over pruned.
7	California sycamore	<i>Platanus racemosa</i>	1	6.0	-	-	-	6.0	<15	4	3	3	Epicormic Shoots. Topped Over pruned
8	California sycamore	<i>Platanus racemosa</i>	1	10.0	-	-	-	10.0	30-50	10	3	3	Root damage. Over Pruned, Topped, Epicormic shoots
9	California sycamore	<i>Platanus racemosa</i>	1	10.0	-	-	-	10.0	30-50	15	3	3	Epicormic Shoots. Topped Over pruned
10	California sycamore	<i>Platanus racemosa</i>	1	17.0	-	-	-	17.0	50-75	40	3	3	Lean, root damage, over pruned, girdling root, epicormic shoots.
11	Aleppo Pine	<i>Pinus halepensis</i>	1	13.0	-	-	-	13.0	30-50	20	4	4	
12	Aleppo Pine	<i>Pinus halepensis</i>	1	27.0	-	-	-	27.0	N/A	N/A	3	3	Topped, Leaning trunk.
13	Aleppo Pine	<i>Pinus halepensis</i>	1	9.0	-	-	-	9.0	30-50	20	3	3	Topped, Leaning trunk.
14	American sweetgum	<i>Liquidambar styraciflua</i>	1	4.0	-	-	-	4.0	15-30	5	3	3	Topped, over pruned.
15	Aleppo Pine	<i>Pinus halepensis</i>	1	15.0	-	-	-	15.0	50-75	30	3	3	Leaning Trunk, Included bark, co-dominant, topped.
16	American sweetgum	<i>Liquidambar styraciflua</i>	1	3.0	-	-	-	3.0	15-30	5	3	3	Over pruned, topped.
17	American sweetgum	<i>Liquidambar styraciflua</i>	1	3.0	-	-	-	3.0	15-30	5	3	3	Topped, over pruned.
18	American sweetgum	<i>Liquidambar styraciflua</i>	1	3.0	-	-	-	3.0	15-30	5	3	3	Topped, over pruned.
19	Aleppo Pine	<i>Pinus halepensis</i>	1	19.0	-	-	-	19.0	N/A	N/A	3	3	Topped, Leaning trunk, Co-dominant limbs.
20	Aleppo Pine	<i>Pinus halepensis</i>	1	11.0	-	-	-	11.0	50-75	20			Topped, Leaning trunk.
21	Aleppo Pine	<i>Pinus halepensis</i>	1	12.0	-	-	-	12.0	30-50	20	3	3	Topped, Leaning trunk.
22	American sweetgum	<i>Liquidambar styraciflua</i>	1	3.0	-	-	-	3.0	<15	3	3	3	Topped, over pruned.
23	Aleppo Pine	<i>Pinus halepensis</i>	1	14.0	-	-	-	14.0	30-50	3	3		
24	Aleppo Pine	<i>Pinus halepensis</i>	1	10.0	-	-	-	10.0	30-50	15	3	3	
25	Aleppo Pine	<i>Pinus halepensis</i>	1	11.0	-	-	-	11.0	30-50	15	4	4	
26	Aleppo Pine	<i>Pinus halepensis</i>	1	13.0	-	-	-	13.0	30-50	15	4	4	
27	Aleppo Pine	<i>Pinus halepensis</i>	1	7.0	-	-	-	7.0	15-30	15	4	4	Topped
28	Aleppo Pine	<i>Pinus halepensis</i>	1	9.0	-	-	-	9.0	15-30	10	4	4	Topped
29	Aleppo Pine	<i>Pinus halepensis</i>	1	6.0	-	-	-	6.0	<15	6	3	3	Topped
30	Aleppo Pine	<i>Pinus halepensis</i>	1	8.0	-	-	-	8.0	15-30	10	4	4	
31	Aleppo Pine	<i>Pinus halepensis</i>	1	4.0	-	-	-	4.0	30-50	10	4	4	
32	Red gum eucalyptus	<i>Eucalyptus camaldensis</i>	1	6.0	-	-	-	6.0	30-50	15	3	3	Leaf feeding Insect
33	Aleppo Pine	<i>Pinus halepensis</i>	1	16.0	-	-	-	16.0	30-50	20	4	4	Leaning trunk
34	Aleppo Pine	<i>Pinus halepensis</i>	1	8.0	-	-	-	8.0	30-50	12	4	4	
35	Aleppo Pine	<i>Pinus halepensis</i>	1	4.0	-	-	-	4.0	30-50	15	4	4	
36	Aleppo Pine	<i>Pinus halepensis</i>	1	12.0	-	-	-	12.0	30-50	20	4	4	
37	Red gum eucalyptus	<i>Eucalyptus camaldensis</i>	2	3.6	-	-	-	3.6	30-50	10	4	4	
38	Aleppo Pine	<i>Pinus halepensis</i>	1	5.0	-	-	-	5.0	15-30	10	4	4	
39	Aleppo Pine	<i>Pinus halepensis</i>	1	5.0	-	-	-	5.0	15-30	10	3	3	Trunk Damage, Leaning Trunk
40	Aleppo Pine	<i>Pinus halepensis</i>	1	8.0	-	-	-	8.0	15-30	10	4	4	Topped
41	Red gum eucalyptus	<i>Eucalyptus camaldensis</i>	1	8.0	-	-	-	8.0	30-50	20	3	3	Topped, Epicormic shoots
42	Brisbane box	<i>Lophostemon confertus</i>	2	2.8	-	-	-	2.8	<15	4	3	3	Epicormic shoots, Topped
43	American sweetgum	<i>Liquidambar styraciflua</i>	1	5.0	-	-	-	5.0	<15	5	3	3	Topped
44	American sweetgum	<i>Liquidambar styraciflua</i>	1	4.0	-	-	-	4.0	<15	5	2	2	Broken limb. Topped

**TABLE A-1
SUMMARY OF COLLECTED TREE DATA**

Tree ID#	Common Name	Species	# of Trunks	Trunk DSH (in)				Total DSH (in)	Height (ft)	Canopy Diameter (ft)	Health	Aesthetics	Notes (physical condition)
				1st Trunk	2nd Trunk	3rd Trunk	Additional Trunks						
45	American sweetgum	<i>Liquidambar styraciflua</i>	1	N/A	-	-	-	N/A	<15	20	3	3	
46	American sweetgum	<i>Liquidambar styraciflua</i>	1	8.0	-	-	-	8.0	15-30	10	3	3	Epicormic shoots, Topped
47	Aleppo Pine	<i>Pinus halepensis</i>	1	18.0	-	-	-	18.0	15-30	15	3	3	Topped
48	California sycamore	<i>Platanus racemosa</i>	1	10.0	-	-	-	10.0	15-30	15	3	3	Epicormic shoots, Topped
49	California sycamore	<i>Platanus racemosa</i>	1	10.0	-	-	-	10.0	15-30	15	3	3	Epicormic shoots, Topped
50	California sycamore	<i>Platanus racemosa</i>	1	9.0	-	-	-	9.0	15-30	15	3	3	Epicormic shoots, Topped
51	California sycamore	<i>Platanus racemosa</i>	1	11.0	-	-	-	11.0	15-30	15	3	3	Epicormic shoots, Topped
52	American sweetgum	<i>Liquidambar styraciflua</i>	1	11.0	-	-	-	11.0	15-30	15	3	3	Epicormic shoots, Topped
53	California sycamore	<i>Platanus racemosa</i>	1	10.0	-	-	-	10.0	15-30	15	3	3	Epicormic shoots, Topped
54	California sycamore	<i>Platanus racemosa</i>	1	10.0	-	-	-	10.0	15-30	15	3	3	Epicormic shoots, Topped
55	California sycamore	<i>Platanus racemosa</i>	1	11.0	-	-	-	11.0	15-30	15	3	3	Epicormic shoots, Topped
56	California sycamore	<i>Platanus racemosa</i>	1	11.0	-	-	-	11.0	30-50	20	3	3	Epicormic shoots, Topped
57	Brisbane box	<i>Lophostemon confertus</i>	1	9.0	-	-	-	9.0	30-50	20	3	3	Epicormic shoots, Topped
58	California sycamore	<i>Platanus racemosa</i>	1	13.0	-	-	-	13.0	30-50	20	3	3	Epicormic shoots, Topped
59	California sycamore	<i>Platanus racemosa</i>	1	9.0	-	-	-	9.0	15-30	10	3	3	Epicormic shoots, Topped
60	southern magnolia	<i>Magnolia grandiflora</i>	1	6.5	-	-	-	6.5	15	8	3	3	
61	southern magnolia	<i>Magnolia grandiflora</i>	1	9.8	-	-	-	9.8	25	20	4	4	
62	southern magnolia	<i>Magnolia grandiflora</i>	1	12.6	-	-	-	12.6	25	20	4	4	
63	London plane tree	<i>Platanus x hispanica</i>	1	9.6	-	-	-	9.6	25	20	4	4	All trees landscaped for clearance/structure (pruned)
64	Australian cheesewood	<i>Pittosporum undulatum</i>	1	10.6	-	-	-	10.6	20	15	4	4	
65	Australian cheesewood	<i>Pittosporum undulatum</i>	1	9.0	-	-	-	9.0	25	25	4	4	
66	Australian cheesewood	<i>Pittosporum undulatum</i>	1	10.9	-	-	-	10.9	20	20	4	4	
67	southern magnolia	<i>Magnolia grandiflora</i>	1	12.6	-	-	-	12.6	25	25	4	4	
68	London plane tree	<i>Platanus x hispanica</i>	1	12.0	-	-	-	12.0	30	25	4	4	
69	London plane tree	<i>Platanus x hispanica</i>	1	11.1	-	-	-	11.1	30	25	4	4	
70	southern magnolia	<i>Magnolia grandiflora</i>	1	11.6	-	-	-	11.6	22	22	4	4	
71	southern magnolia	<i>Magnolia grandiflora</i>	1	6.8	-	-	-	6.8	15	12	3	3	Injury on trunk, healed
72	southern magnolia	<i>Magnolia grandiflora</i>	1	6.3	-	-	-	6.3	15	15	4	4	
73	southern magnolia	<i>Magnolia grandiflora</i>	1	8.9	-	-	-	8.9	22	15	4	4	
74	southern magnolia	<i>Magnolia grandiflora</i>	1	12.0	-	-	-	12.0	30	25	4	4	
75	London plane tree	<i>Platanus x hispanica</i>	1	10.9	-	-	-	10.9	35	30	4	4	
76	London plane tree	<i>Platanus x hispanica</i>	1	12.7	-	-	-	12.7	30	25	4	4	
77	southern magnolia	<i>Magnolia grandiflora</i>	1	8.4	-	-	-	8.4	20	12	4	4	
78	southern magnolia	<i>Magnolia grandiflora</i>	1	6.5	-	-	-	6.5	17	12	3	3	
79	southern magnolia	<i>Magnolia grandiflora</i>	1	6.7	-	-	-	6.7	20	15	4	4	
80	southern magnolia	<i>Magnolia grandiflora</i>	1	13.4	-	-	-	13.4	30	25	4	4	
81	Australian cheesewood	<i>Pittosporum undulatum</i>	1	8.0	-	-	-	8.0	10	10	3	3	Injury on trunk
82	southern magnolia	<i>Magnolia grandiflora</i>	1	11.3	-	-	-	11.3	25	25	4	4	
83	southern magnolia	<i>Magnolia grandiflora</i>	1	6.6	-	-	-	6.6	12	12	3	3	Injury on trunk
84	southern magnolia	<i>Magnolia grandiflora</i>	1	11.5	-	-	-	11.5	25	20	4	4	
85	southern magnolia	<i>Magnolia grandiflora</i>	1	12.4	-	-	-	12.4	25	25	4	4	

**TABLE A-1
SUMMARY OF COLLECTED TREE DATA**

Tree ID#	Common Name	Species	# of Trunks	Trunk DSH (in)				Total DSH (in)	Height (ft)	Canopy Diameter (ft)	Health	Aesthetics	Notes (physical condition)
				1st Trunk	2nd Trunk	3rd Trunk	Additional Trunks						
86	southern magnolia	<i>Magnolia grandiflora</i>	1	13.4	-	-	-	13.4	25	25	4	4	
87	London plane tree	<i>Platanus x hispanica</i>	1	12.2	-	-	-	12.2	30	20	4	4	
88	London plane tree	<i>Platanus x hispanica</i>	1	10.4	-	-	-	10.4	30	25	4	4	
89	London plane tree	<i>Platanus x hispanica</i>	1	10.4	-	-	-	10.4	25	15	4	4	
90	Australian cheesewood	<i>Pittosporum undulatum</i>	1	6.6	-	-	-	6.6	25	12	4	4	
91	Australian cheesewood	<i>Pittosporum undulatum</i>	1	4.5	-	-	-	4.5	12	12	4	4	
92	rusty-leaf fig	<i>Ficus rubiginosa</i>	1	10.8	-	-	-	10.8	25	25	4	4	
93	Chinese flame tree	<i>Koelreuteria bipinnata</i>	1	7.1	-	-	-	7.1	20	20	4	4	Injury on trunk
94	Chinese flame tree	<i>Koelreuteria bipinnata</i>	1	11.7	-	-	-	11.7	25	25	2	2	Dieback in canopy
95	Chinese flame tree	<i>Koelreuteria bipinnata</i>	1	12.3	-	-	-	12.3	25	25	1	1	Dieback in canopy, fungal bodies on roots, trunk dieback, exudate
96	crape myrtle	<i>Lagerstroemia indica</i>	10	3.1	3.0	2.5	2.0,2,1.5,1.5,1.5,1.5,1.0	18.1	20	10	4	4	
97	crape myrtle	<i>Lagerstroemia indica</i>	8	3.4	3.2	3.0	2.8,2.5,2.5,2.5,1.5	21.4	20	10	4	4	
98	crape myrtle	<i>Lagerstroemia indica</i>	3	3.5	2.8	1.9	-	8.2	15	10	4	4	
99	London plane tree	<i>Platanus x hispanica</i>	1	7.8	-	-	-	7.8	15	8	3	2	Topped
100	London plane tree	<i>Platanus x hispanica</i>	1	10.1	-	-	-	10.1	30	25	4	4	
101	London plane tree	<i>Platanus x hispanica</i>	1	5.5	-	-	-	5.5	20	15	3	3	
102	London plane tree	<i>Platanus x hispanica</i>	1	9.1	-	-	-	9.1	30	25	4	4	
103	London plane tree	<i>Platanus x hispanica</i>	1	9.1	-	-	-	9.1	25	20	4	4	
104	London plane tree	<i>Platanus x hispanica</i>	1	11.8	-	-	-	11.8	30	25	4	4	
105	southern magnolia	<i>Magnolia grandiflora</i>	1	8.5	-	-	-	8.5	25	30	4	4	
106	southern magnolia	<i>Magnolia grandiflora</i>	1	7.5	-	-	-	7.5	20	20	4	4	
107	southern magnolia	<i>Magnolia grandiflora</i>	1	7.8	-	-	-	7.8	20	20	4	4	
108	southern magnolia	<i>Magnolia grandiflora</i>	1	6.7	-	-	-	6.7	15	15	3	3	Injury on trunk
109	southern magnolia	<i>Magnolia grandiflora</i>	1	6.5	-	-	-	6.5	15	12	3	3	Injury on trunk
110	southern magnolia	<i>Magnolia grandiflora</i>	1	5.5	-	-	-	5.5	12	8	2	2	Injury on trunk, broken trunk
111	southern magnolia	<i>Magnolia grandiflora</i>	1	6.5	-	-	-	6.5	20	12	4	4	
112	southern magnolia	<i>Magnolia grandiflora</i>	1	6.8	-	-	-	6.8	20	15	4	4	
113	Chinese flame tree	<i>Koelreuteria bipinnata</i>	1	8.5	-	-	-	8.5	15	12	4	4	
114	Chinese flame tree	<i>Koelreuteria bipinnata</i>	1	6.2	-	-	-	6.2	15	10	4	4	
115	Chinese flame tree	<i>Koelreuteria bipinnata</i>	1	7.5	-	-	-	7.5	25	15	4	3	Burl on trunk
116	Chinese flame tree	<i>Koelreuteria bipinnata</i>	1	6.3	-	-	-	6.3	12	5	2	2	
117	Chinese flame tree	<i>Koelreuteria bipinnata</i>	1	8.6	-	-	-	8.6	12	12	4	4	
118	southern magnolia	<i>Magnolia grandiflora</i>	1	7.2	-	-	-	7.2	20	12	4	4	
119	southern magnolia	<i>Magnolia grandiflora</i>	1	6.7	-	-	-	6.7	15	15	3	3	
120	southern magnolia	<i>Magnolia grandiflora</i>	1	6.0	-	-	-	6.0	20	15	4	4	
121	southern magnolia	<i>Magnolia grandiflora</i>	1	7.0	-	-	-	7.0	25	20	4	4	
122	southern magnolia	<i>Magnolia grandiflora</i>	1	7.8	-	-	-	7.8	25	20	4	4	
123	southern magnolia	<i>Magnolia grandiflora</i>	1	9.0	-	-	-	9.0	25	20	4	4	
124	southern magnolia	<i>Magnolia grandiflora</i>	1	10.2	-	-	-	10.2	25	25	4	4	
125	London plane tree	<i>Platanus x hispanica</i>	1	6.7	-	-	-	6.7	25	15	4	4	
126	London plane tree	<i>Platanus x hispanica</i>	1	13.5	-	-	-	13.5	30	20	4	4	

**TABLE A-1
SUMMARY OF COLLECTED TREE DATA**

Tree ID#	Common Name	Species	# of Trunks	Trunk DSH (in)				Total DSH (in)	Height (ft)	Canopy Diameter (ft)	Health	Aesthetics	Notes (physical condition)
				1st Trunk	2nd Trunk	3rd Trunk	Additional Trunks						
127	Aleppo pine	<i>Pinus halepensis</i>	1	29.0	-	-	-	29.0	45	40	4	4	
128	Aleppo pine	<i>Pinus halepensis</i>	1	21.0	-	-	-	21.0	50	45	4	4	
129	Aleppo pine	<i>Pinus halepensis</i>	1	24.0	-	-	-	24.0	50	35	4	4	
130	Chinese flame tree	<i>Koelreuteria bipinnata</i>	1	7.1	-	-	-	7.1	12	12	4	4	
131	Aleppo pine	<i>Pinus halepensis</i>	1	19.0	-	-	-	19.0	45	30	4	4	
132	Aleppo pine	<i>Pinus halepensis</i>	1	24.5	-	-	-	24.5	40	40	4	4	
133	Aleppo pine	<i>Pinus halepensis</i>	1	19.1	-	-	-	19.1	35	30	4	4	
134	Chinese flame tree	<i>Koelreuteria bipinnata</i>	1	4.8	-	-	-	4.8	15	12	4	4	
135	river red gum	<i>Eucalyptus camaldulensis</i>	1	16.1	-	-	-	16.1	50	30	4	4	
136	Aleppo pine	<i>Pinus halepensis</i>	1	23.0	-	-	-	23.0	50	35	4	4	
137	Aleppo pine	<i>Pinus halepensis</i>	1	22.5	-	-	-	22.5	50	30	4	4	
138	Aleppo pine	<i>Pinus halepensis</i>	2	20.0	16.0	-	-	36.0	50	35	4	4	
139	Aleppo pine	<i>Pinus halepensis</i>	1	19.0	-	-	-	19.0	50	35	4	4	
140	Aleppo pine	<i>Pinus halepensis</i>	1	20.5	-	-	-	20.5	50	40	4	4	
141	Chinese flame tree	<i>Koelreuteria bipinnata</i>	1	7.8	-	-	-	7.8	20	15	4	4	
142	Chinese flame tree	<i>Koelreuteria bipinnata</i>	1	6.5	-	-	-	6.5	15	8	2	2	Trunk injury. Broken trunk.
143	Chinese flame tree	<i>Koelreuteria bipinnata</i>	1	7.0	-	-	-	7.0	20	20	4	4	
144	Chinese flame tree	<i>Koelreuteria bipinnata</i>	1	10.3	-	-	-	10.3	25	30	4	4	
145	Chinese flame tree	<i>Koelreuteria bipinnata</i>	1	7.6	-	-	-	7.6	15	12	4	4	
146	Chinese flame tree	<i>Koelreuteria bipinnata</i>	1	6.3	-	-	-	6.3	12	10	2	2	Flaking bark. Trunk injury
147	Chinese flame tree	<i>Koelreuteria bipinnata</i>	1	8.5	-	-	-	8.5	25	20	4	4	
148	Chinese flame tree	<i>Koelreuteria bipinnata</i>	1	5.4	-	-	-	5.4	15	10	4	4	
149	Chinese flame tree	<i>Koelreuteria bipinnata</i>	1	6.5	-	-	-	6.5	15	10	4	4	
150	Chinese flame tree	<i>Koelreuteria bipinnata</i>	1	6.0	-	-	-	6.0	15	6	4	4	
151	Chinese flame tree	<i>Koelreuteria bipinnata</i>	1	6.0	-	-	-	6.0	12	8	4	4	
152	Chinese flame tree	<i>Koelreuteria bipinnata</i>	1	6.3	-	-	-	6.3	12	12	4	4	
153	Chinese flame tree	<i>Koelreuteria bipinnata</i>	1	12.9	-	-	-	12.9	25	30	4	4	
154	Chinese flame tree	<i>Koelreuteria bipinnata</i>	1	8.4	-	-	-	8.4	20	20	3	3	
155	Chinese flame tree	<i>Koelreuteria bipinnata</i>	1	7.6	-	-	-	7.6	13	11	3	3	
156	Chinese flame tree	<i>Koelreuteria bipinnata</i>	1	11.3	-	-	-	11.3	20	25	4	4	
157	Chinese flame tree	<i>Koelreuteria bipinnata</i>	1	6.0	-	-	-	6.0	13	10	3	3	Exudate on trunk
158	Chinese flame tree	<i>Koelreuteria bipinnata</i>	1	6.0	-	-	-	6.0	13	12	3	3	Dieback
159	Chinese flame tree	<i>Koelreuteria bipinnata</i>	1	6.5	-	-	-	6.5	13	8	3	3	
160	Chinese flame tree	<i>Koelreuteria bipinnata</i>	1	7.2	-	-	-	7.2	15	5	1	1	Dieback. Trunk injury.
161	Chinese flame tree	<i>Koelreuteria bipinnata</i>	1	6.5	-	-	-	6.5	15	15	4	4	
162	Chinese flame tree	<i>Koelreuteria bipinnata</i>	1	7.3	-	-	-	7.3	13	15	4	4	
163	Chinese flame tree	<i>Koelreuteria bipinnata</i>	1	7.5	-	-	-	7.5	15	12	3	3	
164	Chinese flame tree	<i>Koelreuteria bipinnata</i>	1	8.6	-	-	-	8.6	15	20	3	3	
165	Chinese flame tree	<i>Koelreuteria bipinnata</i>	1	5.0	-	-	-	5.0	12	10	3	3	
166	Chinese flame tree	<i>Koelreuteria bipinnata</i>	1	6.0	-	-	-	6.0	10	7	3	3	
167	Chinese flame tree	<i>Koelreuteria bipinnata</i>	1	5.5	-	-	-	5.5	12	8	3	3	
168	Chinese flame tree	<i>Koelreuteria bipinnata</i>	1	5.6	-	-	-	5.6	15	11	1	1	Dieback. Trunk injury.
169	Chinese flame tree	<i>Koelreuteria bipinnata</i>	1	6.0	-	-	-	6.0	13	10	3	3	
170	Chinese flame tree	<i>Koelreuteria bipinnata</i>	1	7.4	-	-	-	7.4	15	10	3	3	Exudate

**TABLE A-1
SUMMARY OF COLLECTED TREE DATA**

Tree ID#	Common Name	Species	# of Trunks	Trunk DSH (in)				Total DSH (in)	Height (ft)	Canopy Diameter (ft)	Health	Aesthetics	Notes (physical condition)
				1st Trunk	2nd Trunk	3rd Trunk	Additional Trunks						
171	Chinese flame tree	<i>Koelreuteria bipinnata</i>	1	12.6	-	-	-	12.6	25	30	4	4	
172	Chinese flame tree	<i>Koelreuteria bipinnata</i>	1	13.7	-	-	-	13.7	35	20	4	4	
173	Chinese flame tree	<i>Koelreuteria bipinnata</i>	1	6.0	-	-	-	6.0	15	12	4	4	
174	Chinese flame tree	<i>Koelreuteria bipinnata</i>	1	6.5	-	-	-	6.5	12	8	2	2	
175	Chinese flame tree	<i>Koelreuteria bipinnata</i>	1	6.8	-	-	-	6.8	15	6	2	2	
176	Chinese flame tree	<i>Koelreuteria bipinnata</i>	1	7.5	-	-	-	7.5	14	5	2	2	
177	Chinese flame tree	<i>Koelreuteria bipinnata</i>	1	8.6	-	-	-	8.6	20	25	4	4	
178	Chinese flame tree	<i>Koelreuteria bipinnata</i>	1	7.9	-	-	-	7.9	15	20	4	4	
179	Chinese flame tree	<i>Koelreuteria bipinnata</i>	1	10.0	-	-	-	10.0	20	15	2	2	
180	Chinese flame tree	<i>Koelreuteria bipinnata</i>	1	10.5	-	-	-	10.5	12	12	2	2	
181	Chinese flame tree	<i>Koelreuteria bipinnata</i>	1	6.0	-	-	-	6.0	12	8	3	3	
182	Chinese flame tree	<i>Koelreuteria bipinnata</i>	1	8.7	-	-	-	8.7	15	20	4	4	
183	Chinese flame tree	<i>Koelreuteria bipinnata</i>	1	10.5	-	-	-	10.5	20	15	3	3	
184	Chinese flame tree	<i>Koelreuteria bipinnata</i>	1	9.4	-	-	-	9.4	15	10	1	1	Severe dieback
185	Chinese flame tree	<i>Koelreuteria bipinnata</i>	1	9.4	-	-	-	9.4	15	12	3	3	
186	Chinese flame tree	<i>Koelreuteria bipinnata</i>	1	5.8	-	-	-	5.8	15	12	4	4	
187	camphor tree	<i>Cinnamomum camphora</i>	1	4.2	-	-	-	4.2	12	10	4	3	Lean
188	Chinese flame tree	<i>Koelreuteria bipinnata</i>	1	6.5	-	-	-	6.5	13	12	3	3	
189	Chinese flame tree	<i>Koelreuteria bipinnata</i>	1	5.2	-	-	-	5.2	12	8	3	3	
190	Chinese flame tree	<i>Koelreuteria bipinnata</i>	1	7.5	-	-	-	7.5	15	15	3	3	
191	Chinese flame tree	<i>Koelreuteria bipinnata</i>	1	9.6	-	-	-	9.6	20	25	4	4	
192	Chinese flame tree	<i>Koelreuteria bipinnata</i>	1	14.0	-	-	-	14.0	25	30	4	4	
193	Chinese flame tree	<i>Koelreuteria bipinnata</i>	1	14.4	-	-	-	14.4	25	30	4	4	
194	Chinese flame tree	<i>Koelreuteria bipinnata</i>	1	11.2	-	-	-	11.2	25	25	4	4	
195	Chinese flame tree	<i>Koelreuteria bipinnata</i>	1	5.6	-	-	-	5.6	12	5	2	2	Dieback
196	Chinese flame tree	<i>Koelreuteria bipinnata</i>	1	10.5	-	-	-	10.5	20	20	4	4	
197	Chinese flame tree	<i>Koelreuteria bipinnata</i>	1	9.3	-	-	-	9.3	20	20	4	4	
198	Chinese flame tree	<i>Koelreuteria bipinnata</i>	1	8.4	-	-	-	8.4	20	20	4	4	
199	Chinese flame tree	<i>Koelreuteria bipinnata</i>	1	8.3	-	-	-	8.3	12	10	3	3	
200	Chinese flame tree	<i>Koelreuteria bipinnata</i>	1	13.4	-	-	-	13.4	25	30	4	4	
201	Chinese flame tree	<i>Koelreuteria bipinnata</i>	1	8.1	-	-	-	8.1	15	10	3	3	
202	Chinese flame tree	<i>Koelreuteria bipinnata</i>	1	8.0	-	-	-	8.0	15	10	3	3	
203	Chinese flame tree	<i>Koelreuteria bipinnata</i>	1	7.0	-	-	-	7.0	25	10	3	3	
204	Chinese flame tree	<i>Koelreuteria bipinnata</i>	1	6.1	-	-	-	6.1	15	12	3	3	
205	Chinese flame tree	<i>Koelreuteria bipinnata</i>	1	5.9	-	-	-	5.9	12	8	3	3	
206	Chinese flame tree	<i>Koelreuteria bipinnata</i>	1	7.3	-	-	-	7.3	10	12	3	3	
207	Chinese flame tree	<i>Koelreuteria bipinnata</i>	1	5.0	-	-	-	5.0	10	8	3	3	
208	Chinese flame tree	<i>Koelreuteria bipinnata</i>	1	8.0	-	-	-	8.0	15	10	3	3	
209	Chinese flame tree	<i>Koelreuteria bipinnata</i>	1	9.0	-	-	-	9.0	20	15	3	3	
210	Chinese flame tree	<i>Koelreuteria bipinnata</i>	1	12.2	-	-	-	12.2	20	20	3	3	
211	Chinese flame tree	<i>Koelreuteria bipinnata</i>	1	11.3	-	-	-	11.3	20	20	3	3	
212	Chinese flame tree	<i>Koelreuteria bipinnata</i>	1	12.5	-	-	-	12.5	20	25	3	3	
213	Chinese flame tree	<i>Koelreuteria bipinnata</i>	1	7.1	-	-	-	7.1	20	12	2	2	
214	Chinese flame tree	<i>Koelreuteria bipinnata</i>	1	8.7	-	-	-	8.7	15	20	3	3	

**TABLE A-1
SUMMARY OF COLLECTED TREE DATA**

Tree ID#	Common Name	Species	# of Trunks	Trunk DSH (in)				Total DSH (in)	Height (ft)	Canopy Diameter (ft)	Health	Aesthetics	Notes (physical condition)
				1st Trunk	2nd Trunk	3rd Trunk	Additional Trunks						
215	Chinese flame tree	<i>Koelreuteria bipinnata</i>	1	7.6	-	-	-	7.6	15	15	3	3	
216	Chinese flame tree	<i>Koelreuteria bipinnata</i>	1	8.4	-	-	-	8.4	15	12	3	3	
217	Chinese flame tree	<i>Koelreuteria bipinnata</i>	1	9.1	-	-	-	9.1	20	15	3	3	
218	Chinese flame tree	<i>Koelreuteria bipinnata</i>	1	7.2	-	-	-	7.2	15	12	3	3	
219	Chinese flame tree	<i>Koelreuteria bipinnata</i>	1	8.0	-	-	-	8.0	12	10	3	3	
220	Chinese flame tree	<i>Koelreuteria bipinnata</i>	1	6.1	-	-	-	6.1	15	12	3	3	
221	Chinese flame tree	<i>Koelreuteria bipinnata</i>	1	7.2	-	-	-	7.2	12	15	3	3	
222	Chinese flame tree	<i>Koelreuteria bipinnata</i>	1	8.2	-	-	-	8.2	15	15	3	3	
223	Chinese flame tree	<i>Koelreuteria bipinnata</i>	1	6.5	-	-	-	6.5	12	5	2	2	
224	Chinese flame tree	<i>Koelreuteria bipinnata</i>	1	9.0	-	-	-	9.0	20	15	3	3	
225	Chinese flame tree	<i>Koelreuteria bipinnata</i>	1	7.8	-	-	-	7.8	20	15	3	3	
226	Chinese flame tree	<i>Koelreuteria bipinnata</i>	1	6.5	-	-	-	6.5	12	10	3	3	
227	Chinese flame tree	<i>Koelreuteria bipinnata</i>	1	7.1	-	-	-	7.1	11	10	3	3	
228	Chinese flame tree	<i>Koelreuteria bipinnata</i>	1	6.0	-	-	-	6.0	10	8	3	3	
229	Chinese flame tree	<i>Koelreuteria bipinnata</i>	1	10.1	-	-	-	10.1	15	20	3	3	
230	Chinese flame tree	<i>Koelreuteria bipinnata</i>	1	9.0	-	-	-	9.0	20	15	4	4	
231	Chinese flame tree	<i>Koelreuteria bipinnata</i>	1	7.1	-	-	-	7.1	15	15	3	3	
232	Chinese flame tree	<i>Koelreuteria bipinnata</i>	1	7.4	-	-	-	7.4	15	15	3	3	
233	Chinese flame tree	<i>Koelreuteria bipinnata</i>	1	5.9	-	-	-	5.9	10	6	2	2	
234	Chinese flame tree	<i>Koelreuteria bipinnata</i>	1	7.8	-	-	-	7.8	15	20	3	3	
235	Chinese flame tree	<i>Koelreuteria bipinnata</i>	1	6.7	-	-	-	6.7	20	10	3	3	
236	Chinese flame tree	<i>Koelreuteria bipinnata</i>	1	7.2	-	-	-	7.2	20	15	3	3	
237	Chinese flame tree	<i>Koelreuteria bipinnata</i>	1	13.4	-	-	-	13.4	25	25	3	3	
238	Chinese flame tree	<i>Koelreuteria bipinnata</i>	1	6.9	-	-	-	6.9	15	15	3	3	
239	Chinese flame tree	<i>Koelreuteria bipinnata</i>	1	6.9	-	-	-	6.9	20	12	1	1	Severe dieback. Trunk damage
240	Chinese flame tree	<i>Koelreuteria bipinnata</i>	1	6.0	-	-	-	6.0	12	10	3	3	
241	Chinese flame tree	<i>Koelreuteria bipinnata</i>	1	10.0	-	-	-	10.0	20	18	3	3	
242	Chinese flame tree	<i>Koelreuteria bipinnata</i>	1	7.5	-	-	-	7.5	25	14	3	3	
243	Chinese flame tree	<i>Koelreuteria bipinnata</i>	1	7.0	-	-	-	7.0	20	12	3	3	
244	Chinese flame tree	<i>Koelreuteria bipinnata</i>	1	8.0	-	-	-	8.0	25	17	3	3	
245	Chinese flame tree	<i>Koelreuteria bipinnata</i>	1	6.3	-	-	-	6.3	13	10	3	3	
246	Chinese flame tree	<i>Koelreuteria bipinnata</i>	1	6.2	-	-	-	6.2	10	8	3	3	
247	Chinese flame tree	<i>Koelreuteria bipinnata</i>	1	8.4	-	-	-	8.4	15	15	3	3	
248	Chinese flame tree	<i>Koelreuteria bipinnata</i>	1	4.7	-	-	-	4.7	10	6	3	3	
249	Chinese flame tree	<i>Koelreuteria bipinnata</i>	1	13.4	-	-	-	13.4	25	22	3	3	
250	Chinese flame tree	<i>Koelreuteria bipinnata</i>	1	6.8	-	-	-	6.8	20	15	3	3	
251	Chinese flame tree	<i>Koelreuteria bipinnata</i>	1	4.7	-	-	-	4.7	12	8	3	3	
252	crape myrtle	<i>Lagerstroemia indica</i>	3	6.5	4.6	4.1	-	15.2	20	15	4	4	
253	crape myrtle	<i>Lagerstroemia indica</i>	4	4.2	2.5	2.5	1.7	9.2	20	10	4	3	Lion tailing
254	crape myrtle	<i>Lagerstroemia indica</i>	1	6.7	-	-	-	6.7	15	15	4	4	
255	crape myrtle	<i>Lagerstroemia indica</i>	4	3.9	3.3	3.0	2.3	10.2	20	10	4	3	Lion tailing
256	crape myrtle	<i>Lagerstroemia indica</i>	5	2.5	2.5	2.2	2.2,2.2	12.8	20	10	4	3	Lion tailing
257	crape myrtle	<i>Lagerstroemia indica</i>	6	3.9	2.7	2.4	2.5,2.0,2.0	15.5	20	12	4	3	Lion tailing
258	crape myrtle	<i>Lagerstroemia indica</i>	8	4.3	3.3	3.2	3,2.8,2.5,2.1,2.0	23.2	20	15	4	4	Lion tailing

**TABLE A-1
SUMMARY OF COLLECTED TREE DATA**

Tree ID#	Common Name	Species	# of Trunks	Trunk DSH (in)				Total DSH (in)	Height (ft)	Canopy Diameter (ft)	Health	Aesthetics	Notes (physical condition)
				1st Trunk	2nd Trunk	3rd Trunk	Additional Trunks						
259	rusty-leaf fig	<i>Ficus rubiginosa</i>	1	14.3	-	-	-	14.3	25	25	4	4	
260	rusty-leaf fig	<i>Ficus rubiginosa</i>	1	17.2	-	-	-	17.2	30	20	4	4	
261	rusty-leaf fig	<i>Ficus rubiginosa</i>	1	17.2	-	-	-	17.2	30	25	4	4	
262	rusty-leaf fig	<i>Ficus rubiginosa</i>	1	21.0	-	-	-	21.0	35	30	4	4	
263	rusty-leaf fig	<i>Ficus rubiginosa</i>	1	16.1	-	-	-	16.1	30	25	4	4	
264	thornless honey mesquite	<i>Prosopis glandulosa</i> 'Maverick'	1	14.9	-	-	-	14.9	35	35	4	4	Seasonal foliage
265	thornless honey mesquite	<i>Prosopis glandulosa</i> 'Maverick'	1	6.3	-	-	-	6.3	25	20	4	4	Seasonal foliage
266	Aleppo pine	<i>Pinus halepensis</i>	1	27.4	-	-	-	27.4	55	30	4	4	
267	Aleppo pine	<i>Pinus halepensis</i>	1	28.2	-	-	-	28.2	55	30	4	4	
268	rusty-leaf fig	<i>Ficus rubiginosa</i>	1	12.8	-	-	-	12.8	30	25	4	4	
269	rusty-leaf fig	<i>Ficus rubiginosa</i>	1	22.1	-	-	-	22.1	40	25	4	4	
270	rusty-leaf fig	<i>Ficus rubiginosa</i>	1	24.0	-	-	-	24.0	40	30	4	4	
271	Aleppo pine	<i>Pinus halepensis</i>	1	18.3	-	-	-	18.3	55	35	4	4	
272	Aleppo pine	<i>Pinus halepensis</i>	1	24.4	-	-	-	24.4	55	35	4	4	
273	Aleppo pine	<i>Pinus halepensis</i>	1	20.8	-	-	-	20.8	55	30	4	4	
274	crape myrtle	<i>Lagerstroemia indica</i>	16	2.2	2.2	2.2	2.0,2.0,2.0,1.5,1.5,1.5,1.5,1.5,1.0,1.0,1.0,1.0	23.6	15	15	4	4	
275	river red gum	<i>Eucalyptus camaldulensis</i>	2	20.8	17.7	-	-	38.5	70	35	4	4	
276	Aleppo pine	<i>Pinus halepensis</i>	1	22.5	-	-	-	22.5	50	35	4	4	
277	crape myrtle	<i>Lagerstroemia indica</i>	4	2.8	2.8	1.7	1.0	8.3	15	10	4	4	
278	American sweetgum	<i>Liquidambar styraciflua</i>	1	8.6	-	-	-	8.6	40	20	4	4	
279	Aleppo pine	<i>Pinus halepensis</i>	1	34.6	-	-	-	34.6	60	35	4	4	Codominant trunks
280	Aleppo pine	<i>Pinus halepensis</i>	1	32.5	-	-	-	32.5	60	30	4	4	Codominant trunks
281	honey mesquite	<i>Prosopis glandulosa</i>	1	19.0	-	-	-	19.0	35	30	4	4	Seasonal foliage
282	olive tree	<i>Olea europaea</i>	4	4.0	3.1	1.7	2.6	8.8	12	12	4	4	
283	Chinese flame tree	<i>Koelreuteria bipinnata</i>	1	17.2	-	-	-	17.2	40	45	4	4	
284	Chinese flame tree	<i>Koelreuteria bipinnata</i>	1	16.2	-	-	-	16.2	40	40	4	4	
285	crape myrtle	<i>Lagerstroemia indica</i>	7	3.5	3.5	3.0	3.0,2.3,2.0,1.8	19.1	20	12	4	4	
286	crape myrtle	<i>Lagerstroemia indica</i>	6	3.5	3.2	3.1	3.1,3.0,2.4	18.3	20	12	4	4	Lion tailing
287	crape myrtle	<i>Lagerstroemia indica</i>	8	4.9	4.6	4.5	3.4,3.0,3.0,3.0,2.2	28.6	25	15	4	4	Lion tailing
288	crape myrtle	<i>Lagerstroemia indica</i>	10	4.6	3.3	3.0	2.7,2.7,2.7,2.5,2.5,2.5,2.5	31.5	25	12	4	4	Lion tailing
289	crape myrtle	<i>Lagerstroemia indica</i>	6	4.6	3.9	3.8	2.5,2.1,2.1	19.0	20	12	4	4	Lion tailing
290	crape myrtle	<i>Lagerstroemia indica</i>	6	3.4	3.1	2.7	2.5,2.2	15.7	20	10	4	4	
291	Aleppo pine	<i>Pinus halepensis</i>	1	9.4	-	-	-	9.4	30	15	4	4	
292	Aleppo pine	<i>Pinus halepensis</i>	1	11.2	-	-	-	11.2	40	20	4	4	
293	Aleppo pine	<i>Pinus halepensis</i>	1	5.3	-	-	-	5.3	30	10	4	4	
294	Aleppo pine	<i>Pinus halepensis</i>	1	8.5	-	-	-	8.5	25	15	3	3	

**TABLE A-1
SUMMARY OF COLLECTED TREE DATA**

Tree ID#	Common Name	Species	# of Trunks	Trunk DSH (in)				Total DSH (in)	Height (ft)	Canopy Diameter (ft)	Health	Aesthetics	Notes (physical condition)
				1st Trunk	2nd Trunk	3rd Trunk	Additional Trunks						
295	river red gum	<i>Eucalyptus camaldulensis</i>	7	11.0	7.7	7.4	6.1,5.8,5.6,3.8	47.4	35	30	2	2	Resprout, lean, rot at base
296	Aleppo pine	<i>Pinus halepensis</i>	1	13.0	-	-	-	13.0	55	30	3	3	
297	Aleppo pine	<i>Pinus halepensis</i>	1	11.5	-	-	-	11.5	30	25	3	3	Lean
298	Aleppo pine	<i>Pinus halepensis</i>	1	5.0	-	-	-	5.0	30	20	4	4	
299	Aleppo pine	<i>Pinus halepensis</i>	1	5.0	-	-	-	5.0	35	20	4	4	
300	Aleppo pine	<i>Pinus halepensis</i>	3	18.4	13.5	13.5	-	45.4	55	35	4	3	Codominant, lean
301	river red gum	<i>Eucalyptus camaldulensis</i>	3	9.8	9.5	6.5	-	25.8	55	35	3	3	Codominant, dieback
302	Peruvian pepper tree	<i>Schinus molle</i>	1	21.2	-	-	-	21.2	35	40	3	3	
303	Peruvian pepper tree	<i>Schinus molle</i>	2	17.5	12.5	-	-	30.0	30	30	2	2	Dieback
304	Peruvian pepper tree	<i>Schinus molle</i>	3	9.6	7.5	5.4	-	22.5	20	20	3	3	
305	Peruvian pepper tree	<i>Schinus molle</i>	2	6.5	5.5	-	-	12.0	20	20	3	3	
306	Peruvian pepper tree	<i>Schinus molle</i>	3	9.5	6.0	4.0	-	19.5	20	20	3	3	
307	Peruvian pepper tree	<i>Schinus molle</i>	2	4.0	4.0	-	-	8.0	20	15	3	3	
308	Peruvian pepper tree	<i>Schinus molle</i>	2	4.0	4.0	-	-	8.0	15	20	3	3	
309	Peruvian pepper tree	<i>Schinus molle</i>	2	9.8	9.1	-	-	18.9	20	20	3	3	
310	river red gum	<i>Eucalyptus camaldulensis</i>	1	8.5	-	-	-	8.5	40	15	3	3	
311	river red gum	<i>Eucalyptus camaldulensis</i>	2	9.0	5.0	-	-	14.0	45	20	3	3	
312	river red gum	<i>Eucalyptus camaldulensis</i>	3	10.0	5.0	5.0	-	20.0	45	20	3	3	
313	river red gum	<i>Eucalyptus camaldulensis</i>	1	12.5	-	-	-	12.5	55	30	3	3	
314	river red gum	<i>Eucalyptus camaldulensis</i>	2	4.5	4.5	-	-	9.0	30	20	3	3	
315	river red gum	<i>Eucalyptus camaldulensis</i>	1	6.8	-	-	-	6.8	40	10	2	2	
316	river red gum	<i>Eucalyptus camaldulensis</i>	3	6.9	6.8	4.8	-	18.5	35	30	3	3	
317	Aleppo pine	<i>Pinus halepensis</i>	1	4.8	-	-	-	4.8	40	10	4	4	
318	Aleppo pine	<i>Pinus halepensis</i>	1	9.5	-	-	-	9.5	50	30	4	4	
319	Aleppo pine	<i>Pinus halepensis</i>	1	4.5	-	-	-	4.5	40	20	4	4	
320	river red gum	<i>Eucalyptus camaldulensis</i>	1	18.7	-	-	-	18.7	65	35	4	4	
321	Aleppo pine	<i>Pinus halepensis</i>	1	5.1	-	-	-	5.1	30	12	4	4	
322	Aleppo pine	<i>Pinus halepensis</i>	1	23.0	-	-	-	23.0	65	40	3	3	Codominant
323	river red gum	<i>Eucalyptus camaldulensis</i>	3	18.0	17.5	6.0	-	41.5	70	45	3	3	Codominant
324	Aleppo pine	<i>Pinus halepensis</i>	1	14.5	-	-	-	14.5	65	30	4	4	
325	Aleppo pine	<i>Pinus halepensis</i>	1	14.5	-	-	-	14.5	55	40	3	3	Lean east
326	Aleppo pine	<i>Pinus halepensis</i>	1	11.6	-	-	-	11.6	60	30	3	3	
327	river red gum	<i>Eucalyptus camaldulensis</i>	1	8.5	-	-	-	8.5	50	20	3	3	
328	river red gum	<i>Eucalyptus camaldulensis</i>	1	11.5	-	-	-	11.5	55	20	3	3	Codominant
329	river red gum	<i>Eucalyptus camaldulensis</i>	1	7.8	-	-	-	7.8	40	20	3	3	Lean west
330	river red gum	<i>Eucalyptus camaldulensis</i>	1	7.9	-	-	-	7.9	45	10	3	3	
331	river red gum	<i>Eucalyptus camaldulensis</i>	4	6.5	4.5	4.0	3.5	18.5	40	15	3	3	
332	river red gum	<i>Eucalyptus camaldulensis</i>	1	4.0	-	-	-	4.0	35	10	4	4	
333	river red gum	<i>Eucalyptus camaldulensis</i>	1	4.2	-	-	-	4.2	40	15	4	4	
334	river red gum	<i>Eucalyptus camaldulensis</i>	1	13.0	-	-	-	13.0	60	35	3	3	
335	Aleppo pine	<i>Pinus halepensis</i>	1	7.5	-	-	-	7.5	50	20	3	3	Lean East
336	Aleppo pine	<i>Pinus halepensis</i>	1	10.0	-	-	-	10.0	65	30	3	3	Lean East
337	honey mesquite	<i>Prosopis glandulosa</i>	2	5.5	3.5	-	-	9.0			2	2	Seasonal foliage
338	honey mesquite	<i>Prosopis glandulosa</i>	1	4.0	-	-	-	4.0	20	20	2	2	Seasonal foliage

**TABLE A-1
SUMMARY OF COLLECTED TREE DATA**

Tree ID#	Common Name	Species	# of Trunks	Trunk DSH (in)				Total DSH (in)	Height (ft)	Canopy Diameter (ft)	Health	Aesthetics	Notes (physical condition)		
				1st Trunk	2nd Trunk	3rd Trunk	Additional Trunks								
339	river red gum	<i>Eucalyptus camaldulensis</i>	1	12.0	-	-	-	12.0	50	15	3	3	Seasonal foliage		
340	river red gum	<i>Eucalyptus camaldulensis</i>	2	8.0	4.0	-	-	12.0	40	15	3	3			
341	river red gum	<i>Eucalyptus camaldulensis</i>	1	9.0	-	-	-	9.0	45	15	3	3			
342	river red gum	<i>Eucalyptus camaldulensis</i>	1	4.5	-	-	-	4.5	30	20	3	3			
343	river red gum	<i>Eucalyptus camaldulensis</i>	4	4.0	3.5	3.0	2.0	12.5	20	20	3	3			
344	river red gum	<i>Eucalyptus camaldulensis</i>	1	9.5	-	-	-	9.5	40	25	3	3	Lean East		
345	river red gum	<i>Eucalyptus camaldulensis</i>	2	4.5	3.0	-	-	7.5	20	10	2	2			
346	river red gum	<i>Eucalyptus camaldulensis</i>	3	6.0	6.0	4.0	-	16.0	40	20	4	4			
347	river red gum	<i>Eucalyptus camaldulensis</i>	2	10.5	4.5	-	-	15.0	55	30	4	4			
348	river red gum	<i>Eucalyptus camaldulensis</i>	8	7.5	6.0	5.0	3.0,3.0,2.5,2.5,2.0	31.5	40	25	3	3			
349	river red gum	<i>Eucalyptus camaldulensis</i>	1	7.1	-	-	-	7.1	40	10	2	2			
350	river red gum	<i>Eucalyptus camaldulensis</i>	2	8.5	4.5	-	-	13.0	50	30	3	3			
351	river red gum	<i>Eucalyptus camaldulensis</i>	4	4.0	4.0	3.2	3.2	11.2	30	25	4	4			
352	river red gum	<i>Eucalyptus camaldulensis</i>	3	9.5	7.0	7.0	-	23.5	40	25	4	4			
353	ash	<i>Fraxinus sp.</i>	1	6.8	-	-	-	6.8	30	25	4	4	Seasonal foliage		
354	river red gum	<i>Eucalyptus camaldulensis</i>	2	10.8	8.4	-	-	19.2	50	35	3	3			
355	river red gum	<i>Eucalyptus camaldulensis</i>	3	12.2	9.5	4.7	-	26.4	60	25	3	3			
356	blue elderberry	<i>Sambucus mexicana</i>	1	6.2	-	-	-	6.2	15	15	4	4			
357	river red gum	<i>Eucalyptus camaldulensis</i>	1	8.0	-	-	-	8.0	30	15	3	3			
358	river red gum	<i>Eucalyptus camaldulensis</i>	3	9.1	8.0	5.0	-	22.1	50	25	3	3			
359	river red gum	<i>Eucalyptus camaldulensis</i>	2	9.5	6.0	-	-	15.5	35	25	4	4			
360	toyon	<i>Heteromeles arbutifolia</i>	5	6.0	4.0	4.0	4.0,3.5	21.5	12	35	4	4			
361	river red gum	<i>Eucalyptus camaldulensis</i>	1	4.5	-	-	-	4.5	25	10	4	4			
362	Aleppo pine	<i>Pinus halepensis</i>	1	8.1	-	-	-	8.1	30	25	4	4			
363	river red gum	<i>Eucalyptus camaldulensis</i>	3	9.2	7.2	6.5	-	22.9	45	30	4	4			
364	river red gum	<i>Eucalyptus camaldulensis</i>	1	4.5	-	-	-	4.5	30	12	3	3			
365	Aleppo pine	<i>Pinus halepensis</i>	1	13.5	-	-	-	13.5	40	20	4	4			
366	Aleppo pine	<i>Pinus halepensis</i>	1	12.0	-	-	-	12.0	40	20	3	3			
367	river red gum	<i>Eucalyptus camaldulensis</i>	6	4.2	4.0	3.5	3.5,3.0,2.5	20.7	25	15	3	3			
368	river red gum	<i>Eucalyptus camaldulensis</i>	4	7.0	6.8	6.8	6.5	20.6	40	30	3	3			
369	river red gum	<i>Eucalyptus camaldulensis</i>	1	6.5	-	-	-	6.5	40	20	3	3			
370	river red gum	<i>Eucalyptus camaldulensis</i>	4	11.5	11.5	10.0	9.8	33.0	60	35	3	3			
371	river red gum	<i>Eucalyptus camaldulensis</i>	4	11.5	11.0	10.0	10	32.5	65	30	3	3			
372	river red gum	<i>Eucalyptus camaldulensis</i>	2	12.6	10.0	-	-	22.6	65	30	3	3			
373	river red gum	<i>Eucalyptus camaldulensis</i>	4	4.5	4.5	4.0	1.5	13.0	30	20	3	3			
374	river red gum	<i>Eucalyptus camaldulensis</i>	3	12.5	6.5	5.0	-	24.0	45	30	3	3			
375	river red gum	<i>Eucalyptus camaldulensis</i>	3	7.4	5.5	5.0	-	17.9	35	30	3	3			
376	river red gum	<i>Eucalyptus camaldulensis</i>	265	Trees grouped as a polygon								4-10 in:131, 10-15 in:63, 15-20 in:47, 20-20 in:10, 25-30 in:6, 30+ in:8			
377	Brisbane Boxtree	<i>Lophostemon confertus</i>	1	7.0	-	-	-	7.0	15	4	3	3			
378	Brisbane Boxtree	<i>Lophostemon confertus</i>	1	11.5	-	-	-	11.5	25	18	4	4			
379	Brisbane Boxtree	<i>Lophostemon confertus</i>	2	8.0	4.0	-	-	12.0	19	10	4	4			
380	Brisbane Boxtree	<i>Lophostemon confertus</i>	1	5.5	-	-	-	5.5	12	5	3	3			
381	Brisbane Boxtree	<i>Lophostemon confertus</i>	1	7.0	-	-	-	7.0	20	12	4	4			
382	Brisbane Boxtree	<i>Lophostemon confertus</i>	1	10.0	-	-	-	10.0	28	20	4	4			

**TABLE A-1
SUMMARY OF COLLECTED TREE DATA**

Tree ID#	Common Name	Species	# of Trunks	Trunk DSH (in)				Total DSH (in)	Height (ft)	Canopy Diameter (ft)	Health	Aesthetics	Notes (physical condition)
				1st Trunk	2nd Trunk	3rd Trunk	Additional Trunks						
383	London plane tree	<i>Platanus x hispanica</i>	1	14.3	-	-	-	14.3	35	22	4	4	
384	Brisbane Boxtree	<i>Lophostemon confertus</i>	1	7.5	-	-	-	7.5	17	8	4	4	
385	Brisbane Boxtree	<i>Lophostemon confertus</i>	1	8.0	-	-	-	8.0	20	12	4	4	
386	Brisbane Boxtree	<i>Lophostemon confertus</i>	1	8.4	-	-	-	8.4	22	14	4	4	
387	London plane tree	<i>Platanus x hispanica</i>	1	15.0	-	-	-	15.0	28	18	4	4	
388	London plane tree	<i>Platanus x hispanica</i>	1	6.5	-	-	-	6.5	18	8	4	3	
388	Brisbane Boxtree	<i>Lophostemon confertus</i>	1	11.2	-	-	-	11.2	25	20	4	4	
389	London plane tree	<i>Platanus x hispanica</i>	1	7.0	-	-	-	7.0	19	14	4	3	
390	London plane tree	<i>Platanus x hispanica</i>	1	14.3	-	-	-	14.3	35	24	4	3	
391	Brisbane Boxtree	<i>Lophostemon confertus</i>	1	4.5	-	-	-	4.5	13	5	4	4	
392	Brisbane Boxtree	<i>Lophostemon confertus</i>	1	5.0	-	-	-	5.0	14	6	3	3	
393	American sweetgum	<i>Liquidambar styraciflua</i>	1	6.5	-	-	-	6.5	15	6	3	3	
394	American sweetgum	<i>Liquidambar styraciflua</i>	1	4.5	-	-	-	4.5	14	5	3	3	
395	American sweetgum	<i>Liquidambar styraciflua</i>	1	6.0	-	-	-	6.0	14	9	3	3	
396	Brisbane Boxtree	<i>Lophostemon confertus</i>	1	4.5	-	-	-	4.5	13	5	4	4	
397	Brisbane Boxtree	<i>Lophostemon confertus</i>	1	5.5	-	-	-	5.5	16	6	4	4	
398	Brisbane Boxtree	<i>Lophostemon confertus</i>	1	5.5	-	-	-	5.5	16	6	4	4	
399	London plane tree	<i>Platanus x hispanica</i>	1	15.0	-	-	-	15.0	30	18	4	4	
400	Brisbane Boxtree	<i>Lophostemon confertus</i>	1	7.0	-	-	-	7.0	17	7	4	4	
401	Brisbane Boxtree	<i>Lophostemon confertus</i>	1	8.1	-	-	-	8.1	16	6	4	4	
402	Brisbane Boxtree	<i>Lophostemon confertus</i>	1	5.5	-	-	-	5.5	12	4	3	3	
403	American sweetgum	<i>Liquidambar styraciflua</i>	1	8.5	-	-	-	8.5	14	9	4	4	
404	American sweetgum	<i>Liquidambar styraciflua</i>	1	4.2	-	-	-	4.2	11	3	0 - snag	0 - snag	
405	American sweetgum	<i>Liquidambar styraciflua</i>	1	4.2	-	-	-	4.2	15	5	3	3	
406	American sweetgum	<i>Liquidambar styraciflua</i>	1	4.5	-	-	-	4.5	13	5	3	3	
407	Brisbane Boxtree	<i>Lophostemon confertus</i>	1	8.1	-	-	-	8.1	26	14	4	4	
408	American sweetgum	<i>Liquidambar styraciflua</i>	1	5.0	-	-	-	5.0	13	5	3	2	
409	American sweetgum	<i>Liquidambar styraciflua</i>	1	5.0	-	-	-	5.0	13	5	3	2	
410	Brisbane Boxtree	<i>Lophostemon confertus</i>	1	4.0	6.0	7.0	5	22.0	25	18	4	4	
411	London plane tree	<i>Platanus x hispanica</i>	1	7.5	-	-	-	7.5	30	12	4	3	
412	London plane tree	<i>Platanus x hispanica</i>	1	9.0	-	-	-	9.0	38	23	4	3	
413	London plane tree	<i>Platanus x hispanica</i>	1	10.0	-	-	-	10.0	25	16	3	2	
414	London plane tree	<i>Platanus x hispanica</i>	1	9.0	-	-	-	9.0	45	18	4	4	
415	London plane tree	<i>Platanus x hispanica</i>	1	11.8	-	-	-	11.8	30	22	4	4	
416	Brisbane Boxtree	<i>Lophostemon confertus</i>	1	7.0	-	-	-	7.0	16	6	4	3	
417	Brisbane Boxtree	<i>Lophostemon confertus</i>	1	4.2	-	-	-	4.2	13	8	4	3	
418	American sweetgum	<i>Liquidambar styraciflua</i>	1	7.0	-	-	-	7.0	13	6	3	2	
419	Brisbane Boxtree	<i>Lophostemon confertus</i>	1	6.0	-	-	-	6.0	15	8	4	4	
420	American sweetgum	<i>Liquidambar styraciflua</i>	1	8.0	-	-	-	8.0	14	8	3	2	
421	Brisbane Boxtree	<i>Lophostemon confertus</i>	1	11.3	-	-	-	11.3	20	12	4	4	
422	Brisbane Boxtree	<i>Lophostemon confertus</i>	1	5.5	-	-	-	5.5	18	8	4	4	
423	London plane tree	<i>Platanus x hispanica</i>	1	7.5	-	-	-	7.5	20	9	4	3	
424	London plane tree	<i>Platanus x hispanica</i>	1	7.5	-	-	-	7.5	20	9	4	3	
425	London plane tree	<i>Platanus x hispanica</i>	1	7.5	-	-	-	7.5	20	9	4	3	

**TABLE A-1
SUMMARY OF COLLECTED TREE DATA**

Tree ID#	Common Name	Species	# of Trunks	Trunk DSH (in)				Total DSH (in)	Height (ft)	Canopy Diameter (ft)	Health	Aesthetics	Notes (physical condition)
				1st Trunk	2nd Trunk	3rd Trunk	Additional Trunks						
426	London plane tree	<i>Platanus x hispanica</i>	1	11.5	-	-	-	11.5	30	18	4	3	
427	London plane tree	<i>Platanus x hispanica</i>	1	9.5	-	-	-	9.5	25	13	4	4	
428	Brisbane Boxtree	<i>Lophostemon confertus</i>	1	6.5	-	-	-	6.5	13	8	3	3	
429	Brisbane Boxtree	<i>Lophostemon confertus</i>	1	11.5	-	-	-	11.5	26	14	4	4	
430	Brisbane Boxtree	<i>Lophostemon confertus</i>	1	5.5	-	-	-	5.5	14	7	3	3	
431	Brisbane Boxtree	<i>Lophostemon confertus</i>	1	11.2	-	-	-	11.2	27	17	4	4	
432	Brisbane Boxtree	<i>Lophostemon confertus</i>	1	14.6	-	-	-	14.6	31	25	4	4	
433	Brisbane Boxtree	<i>Lophostemon confertus</i>	1	5.5	-	-	-	5.5	20	9	4	4	
434	Brisbane Boxtree	<i>Lophostemon confertus</i>	1	11.5	-	-	-	11.5	28	15	4	4	
435	Brisbane Boxtree	<i>Lophostemon confertus</i>	1	6.0	-	-	-	6.0	21	12	4	4	

ATTACHMENT B
2024 TREE INVENTORY REPORT

16 January 2024

NBI Landscape Development

RE: 23272 Mill Creek, Laguna Hills

ATTN: Sergio Martinez

I was asked to provide an Inventory of the existing perimeter trees at the above property. This property may have new construction and landscape design. This report will allow the designers to know what exists so as to make decisions on the retainment of certain trees. Additionally, the existing trees may conflict with a new building design and construction activities. This report contains the following:

1. The location, species, size and conditions of the existing perimeter trees.
2. Recommendations for Tree Pruning as needed.
3. Recommendations for Tree Protection during construction activities.

This report is an Inventory of perimeter trees only. Small/immature trees, trees in the parking lot and other landscape areas, shrubs, bushes and other vegetation are not included. This was a visual examination performed completely from the ground. No aerial lift was used and no climbing occurred. No boring, sounding, or root crown exposure was performed. The tree conditions are valid on the date given.

No recommendations are given for retaining or removing any tree. Those decisions remain with the property owner in consultation with their Landscape Developer.

On 11 January 2024 I visited the site in Laguna Hills. I was provided a map by Sergio Martinez of NBI Landscape Development showing the property boundaries. There are fifty-nine (59) trees on the perimeter of this property:¹

- 24 Aleppo Pine (*Pinus halepensis*)
- 19 Sycamore (*Plantanus racemosa*)
- 10 Sweetgum (*Liquidambar styraciflua*)
- 3 Brisbane Box (*Tristanopsis conferta*)
- 3 Red Gum Eucalyptus (*Eucalyptus camaldulensis*)

¹ Please see the TreePlotter reports for more information on individual trees.

Tree Condition Assessment

The assessment was a walk-around visual assessment from the ground level with current landscaping still in place. Conditions and obvious visible defects or issues were noted. However, there may be unknown conditions not observable. The Condition of these trees is important for decisions regarding retainment for future designs and for Tree Protection elements.

The assessment involves observations of three areas for potential issues:

Canopy - foliage color, percentage of twig and limb dieback, and branch defects

Trunks - significant leans, sap leakage, cavities, decay and damage

Root Crown - decay and damage

Site Conditions: The area around the trees were assessed for current or potential impact on the trees. Construction activities, equipment conflicts, material/chemical storage, trenching, irrigation, and soil compaction are examples that may create health issues for the tree.

Any issues were noted, and an overall rating was calculated. The rating scale is defined as follows:

Good: No significant observable defects. The canopy, trunk and root crown area appear normal for the species. The tree may have minor signs or defects that could be corrected or are not relevant to the assessment.

Fair: The tree exhibits signs of disease, stress, decay, insect infestation or damage. Signs may include thinning or yellowing foliage, dieback, decay, insect damage, or sap leakage. The tree may contain noteworthy defects such as branch/trunk damage, cavities or a lean.

Poor: More than 50% of the overall health or structure of the tree is affected by disease, stress, decay, insect damage or decay. The decline may not be reversible.

There are sixteen (16) trees in Good condition, forty-two (42) in Fair (all Sycamores, 10 Aleppo Pine, 9 Sweetgum, 2 Brisbane Box and 2 Red Gum Eucalyptus), and one (1) in Poor (Sweetgum). This is due to improper pruning and some trunk leans. These conditions should be considered when making decisions on retainment. Besides aesthetic issues, trees to be retained may require Tree Protection during construction activities. Creating Tree Protection Zones (TPZs) require materials and can disrupt common construction practices.

Tree Pruning

Trees that will be retained should be pruned according to the specific need prior to or during construction activities. This would likely be the following:

1. *Clearance* – Equipment paths of travel and new structures. This is generally raising and/or shaping back branches to allow equipment access and avoid branch breakage. If the existing structures are expanded, or new ones installed, branches may need to be cleared back.
2. *Balance for Root Pruning* – Tree crowns may need to be thinned to compensate for structural root loss. This could be a specific holding root or a significant amount of roots cut.
3. *Correcting Defects* – Crown balancing on a leaning tree or broken branches.

Towards the end of the project the trees can be evaluated for crown cleaning, thinning or corrective pruning.

Tree Protection Zones

The following are initial Tree Protection Zone (TPZ) recommendations. The size of the TPZ will be determined by the tree size and current conditions.

1. The TPZ fence will remain in place during all construction activities in the area.
2. No heavy equipment within the TPZ. Necessary scaffolding may be utilized. Erection and maintenance of scaffolding should be done in such a manner as to disturb the soil as little as possible.
3. No stockpiling of soils or construction materials within the TPZ.
4. Irrigation shall remain on during the project. Notify the Consulting Arborist if changes occur.
5. No additional water shall be added without direct Arborist approval.
6. Notify Consulting Arborist if hardscape demolition or trenching is to occur within 10 ft. of fence line.
7. The following root protections are to be followed during trenching operations:
 - Exploratory hand digging to locate major roots where possible.
 - Roots should be cut cleanly with a sharpened, sterilized pruning tool.
 - Roots that are 3 inches or larger that need to be pruned will be cut cleanly with a saw (chainsaws and reciprocating saws are allowed). No roots will be chopped with an axe or power equipment.

-
- Roots discovered to be damaged below the surface during trenching activities will be traced back 4-6 inches above the break and cut cleanly before the end of the workday. Moist native soil will then re-cover the exposed root.
 - No damaged or cut roots are to be left exposed overnight.
8. Overhanging limbs should be evaluated for potential future equipment and/or vehicle contact.
Contact Consulting Arborist for mediation measures.
9. No limbs or branches are to be pruned without prior approval of the Consulting Arborist.
10. No use of or idling of equipment with exhaust pipes near overhanging limbs or branches.

Thank you for contacting me for your Arborist Services. Please contact me if you have any questions.

Eric Gorsuch

 RCA #575

Registered Consulting Arborist®

ISA Certified Arborist WE-7438A

ISA Tree Risk Assessment Qualified

TCIA Certified Treecare Safety Professional 00144

OSHA 501

714-222-2735

DISCLAIMER

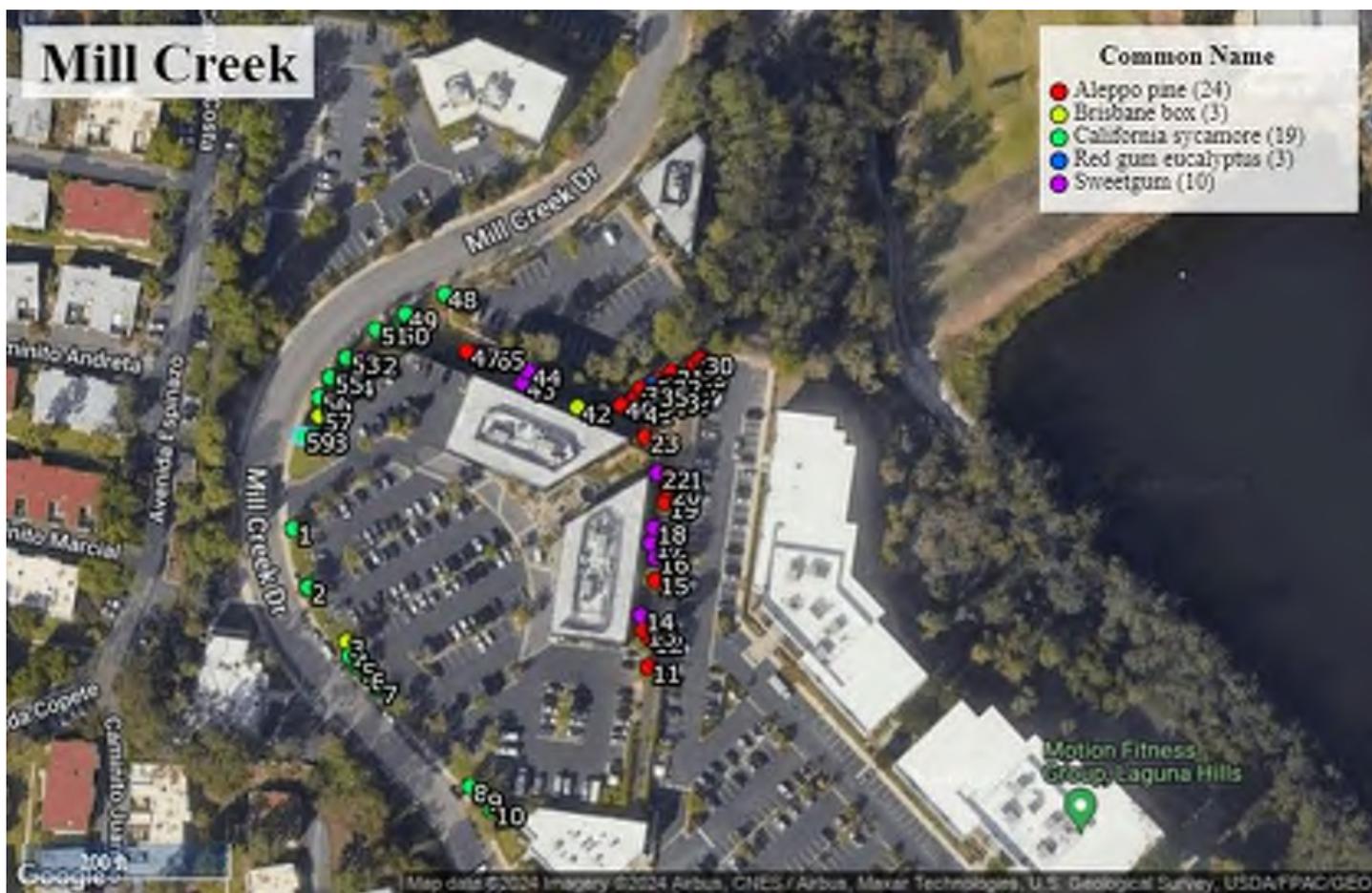
Arborists are tree specialists who use their experience, knowledge, training and education to examine trees, recommend measures to enhance the beauty and health of trees, and attempt to reduce the risk of living near trees. Clients may choose to accept or disregard the recommendations of the Arborist, or seek additional advice.

Arborists cannot detect every condition that could possibly lead to the structural failure of a tree. Trees are living organisms that can fail in ways we do not understand. Conditions are often hidden within trees and/or below ground. Arborists cannot guarantee that a tree will be healthy or safe under all circumstances, or for a specific period of time. Likewise, remedial treatments, like any medicine, cannot guarantee the future health or structural stability of the tree.

Treatment, pruning, and removal of trees may involve considerations beyond the scope of the Arborist's services (such as property boundaries, property ownership, site lines, neighbor disputes, landlord-tenant matters, etc.). Arborists cannot take such issues into account unless complete information has been provided to them.

The person hiring the Arborist accepts all liability for authorizing the recommended treatment or remedial measures once it has been explained, and acknowledges that successful results cannot be guaranteed. Trees can be managed, but they cannot be controlled. To live near a tree is to accept some degree of risk. The only way to eliminate all risks from trees is to eliminate all trees.

Sketches, diagrams, graphs and photographs provided in the Appendixes of this report are provided as a visual aid, are not necessarily to scale, and shall not be construed as an engineering or architectural reports or surveys.

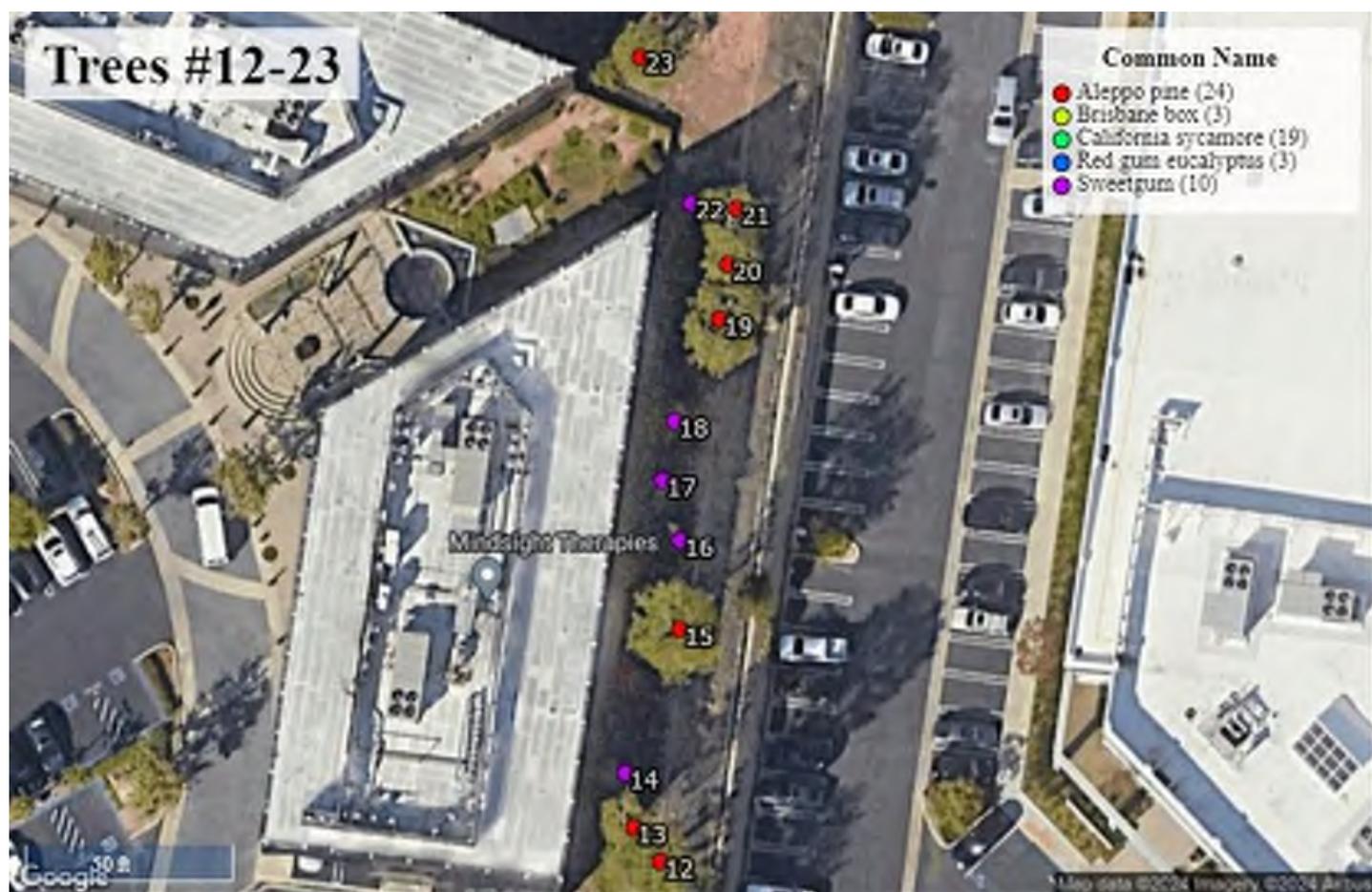


Trees #1-7



Trees #8-14

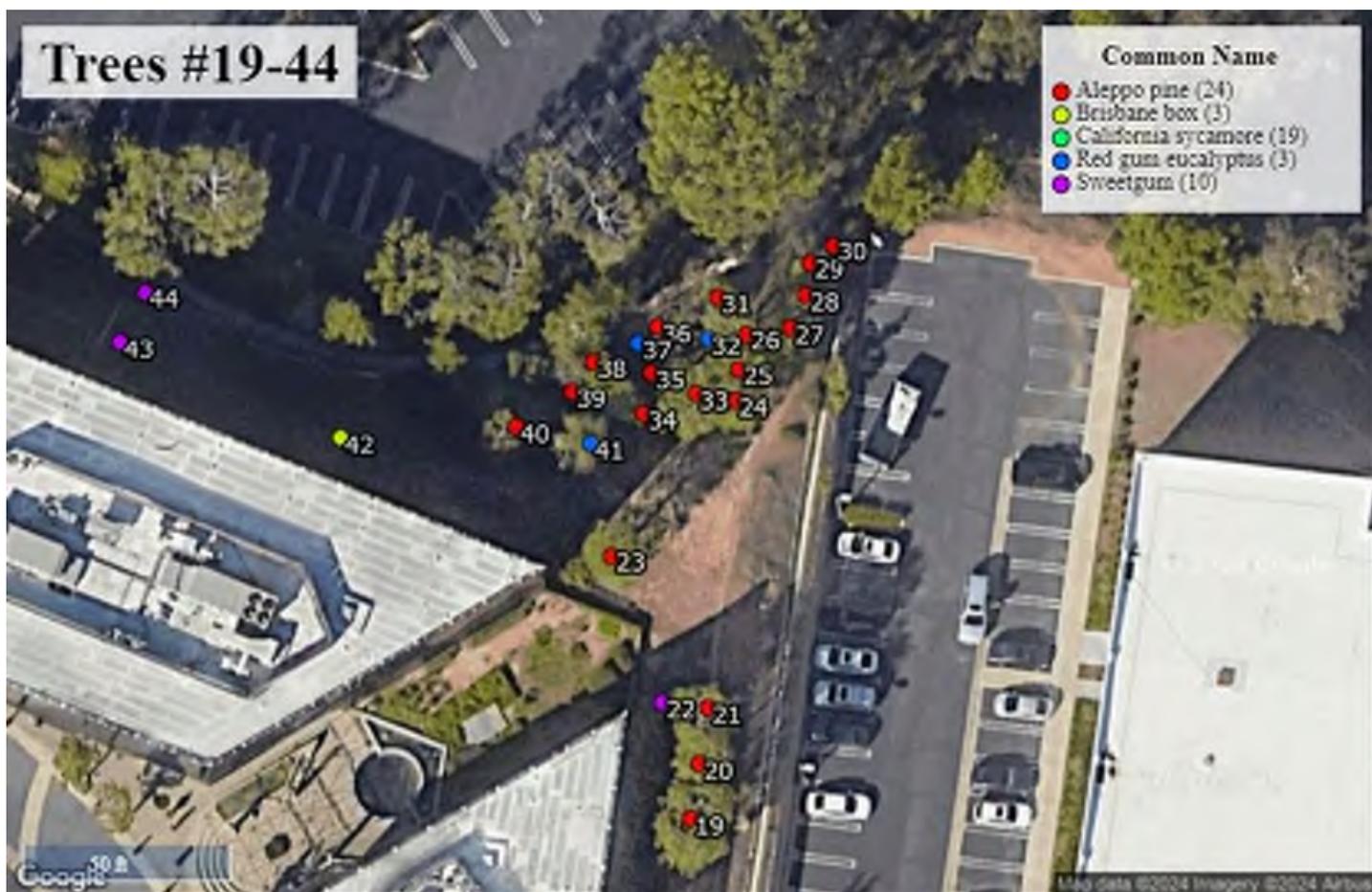




Trees #19-44

Common Name

- Aleppo pine (24)
- Brisbane box (3)
- California sycamore (19)
- Red gum eucalyptus (3)
- Sweetgum (10)



Trees #42-59

