

## **ARBORIST REPORT**

**Bear Street Project** 

### Prepared for:

Meritage Homes



Prepared by:

Dillon Reynolds - ISA Certified WE-9690A- The Landscape Center



# CERTIFIED ARBORIST THE LANDSCAPE CENTER

March 24, 2025

Johanna Crooker Meritage Homes 5 Peters Canyon Road, Suite 310 Irvine, CA 92606 Via Email: johanna.crooker@mlcholdings.net

Dear Ms. Crooker,

This report is submitted for your review in response to your request for an arboricultural survey and arboricultural reporting services of existing palms and trees located at the Bear Street Project (Tract 19334) in Costa Mesa, California. The site address is 3150 Bear Street Costa Mesa, CA. The inventory and site review of the trees located within the project limits was performed on Friday, December 13, 2024 and Monday, March 17, 2025.

Included with this report is a map of the inventoried trees (Exhibit 1), and a tree inventory matrix (Exhibit 2.)

The project proposes redeveloping the existing site. The redevelopment would include the construction of multiple residences along with the creation of a Central Open Space that would include landscaped common areas, and landscaped areas between buildings. Private open space would include front porches and patios/ balconies. All of which will encompass the planting of new trees, featuring a diverse range of species, as part of the project.

#### **ASSIGNMENT**

I have been asked to visit the Bear Street Project to assess, locate and provide an evaluation of the state of the palms and trees on the property as well as collect data. Data collected includes:

- Identify trees with a unique tree number
- Common name
- Botanical name
- Diameter at 54 inches above grade (DBH).
- Height/Canopy
- Condition
  - A visual assessment of the tree
  - o Evaluation of current health and structural condition of the tree
  - Aesthetic assessment

Note that the observations contained in this report are based on visual inspection of the above-ground parts of the tree. No soil was excavated, and no aerial inspection was carried out.

This report is based on my evaluations of the site conducted on Friday, December 13, 2024 and Monday, March 17, 2025.

#### **OBSERVATION AND METHODOLOGY**

The project site currently consists of a large commercial building along with associated parking stalls that are landscaped and regularly maintained. The location is relatively flat. The property and trees appear to be greater than 30 years old. Regular irrigation is applied to the site.

The specific tasks performed were as follows:

- Identify all trees on the property.
- Assign a unique tree ID.
- Verify the location of each inventoried tree.
- Measure the diameter of the individual at 54 inches above grade (DBH).
- Analyze the assessment data for each tree. Determine the tree's health and assign a current condition rating ranging from poor to good, as follows:
  - **Good (3)** Exemplary health and structure for species; a healthy tree with limited signs or symptoms of disease.
  - **Fair (2)** Some minor deficiencies noted in health and/or structure, with potential for corrective measures to be performed to improve condition (including but not limited to fertilizer applications, pruning, and chemical applications.)
  - **Poor (1)** Significant deficiencies noted in health and/or structure, some irreversible, and may include hazardous condition signs and symptoms requiring corrective action. Some individuals may require removal. Trees in this category include any of or combination of the following: very low canopy density; major disease signs and symptoms; dying or dead trees; imminent, irreversible hazardous conditions.

- Prepare a written report.
- Provide additional recommendations.

#### **FINDINGS**

Based on my evaluation of the site, a total of 167 trees were identified within the requested work area. The 167 trees are made up of 19 species and have been placed in Table 1. Table 1 represents the count of each species by overall condition rating. Based on my evaluation of the proposed development of the site, 138 trees will require complete removal as it will not be feasible for the trees to coexist with the site development. 29 trees will remain in place on an undisturbed slope area located on the western side of the project.

#### PROTECTED STATUS

As part of this scope of work, I did not review the City of Costa Mesa or the County of Orange Tree Protection Ordinance, should the city or county have one, or provide recommendations as to whether a tree falls within any Tree Protection Ordinance in the City of Costa Mesa or the County of Orange, CA.

#### SUITABILTY FOR PRESERVATION

Each tree was rated for suitability for preservation based upon its age, health, structural condition, and ability to safely coexist within a development environment.

Based on the site redevelopment plans, the removal of 138 trees will be required as they cannot safely coexist with the required site redevelopment footprint. 29 trees will be protected in place and be preserved in their current location on the western side of the project within an undisturbed slope.

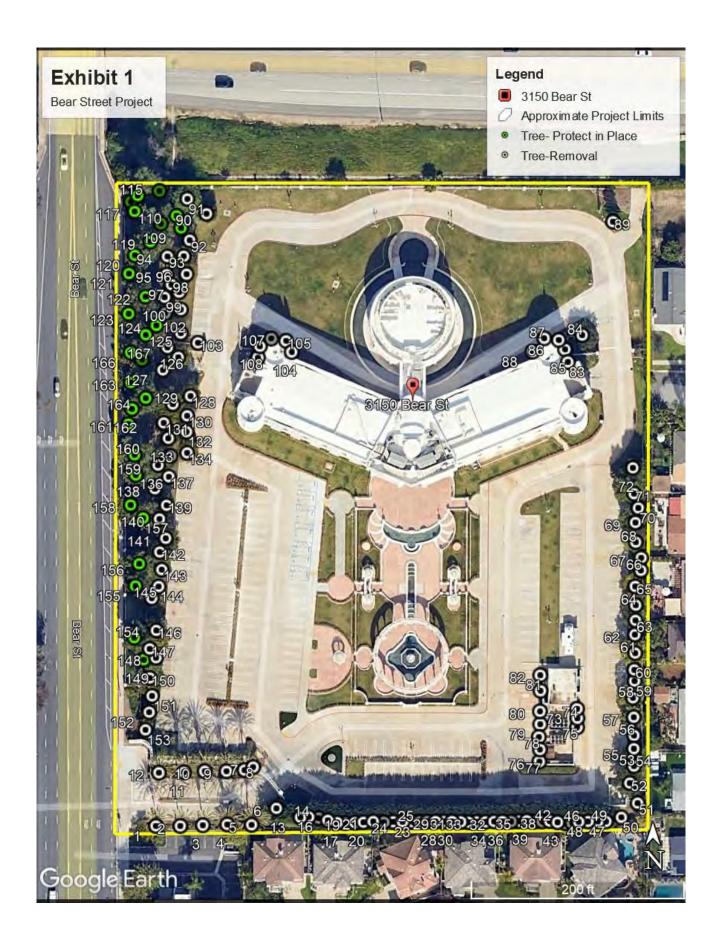
**High** Trees in this category are in good health and structural stability and have the potential for longevity at the site.

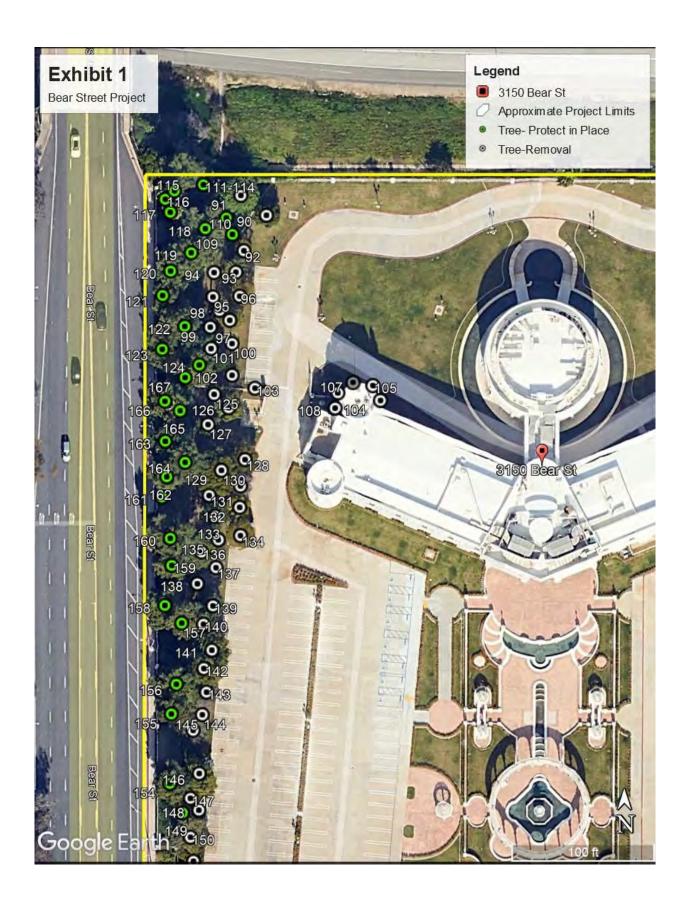
**Moderate** Trees in this category have fair health and/or structural defects that may be abated with treatment. These trees require more intense management and monitoring, and may have shorter lifespans than those in the "high" Category.

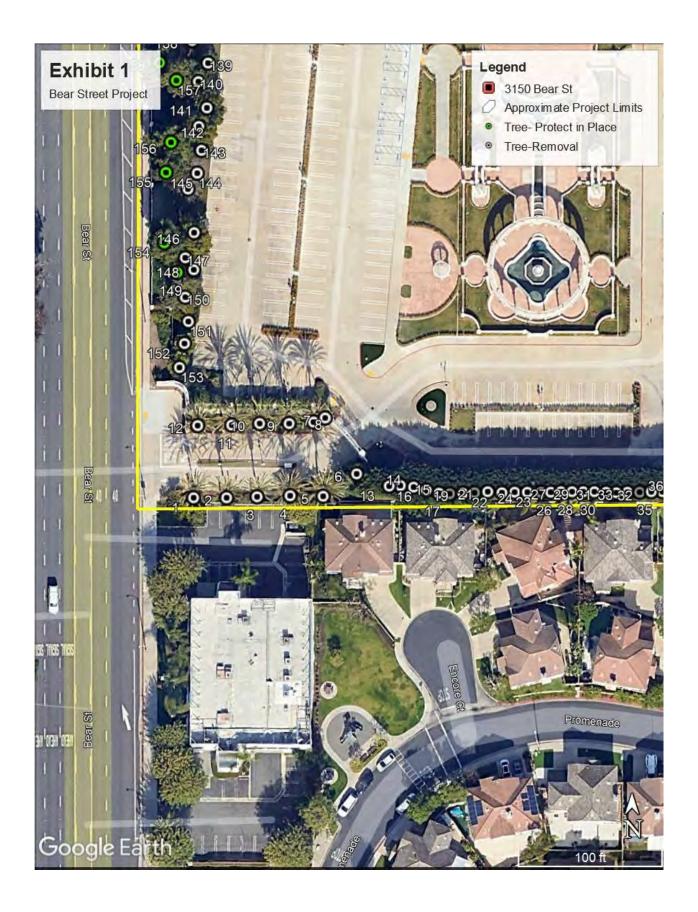
**Low** Trees in this category are in poor health or have significant defects in structure that cannot be abated with treatment. These trees can be expected to decline regardless of management. The species or individual tree may possess either characteristics that are undesirable in landscape settings or be unsuited for use areas.

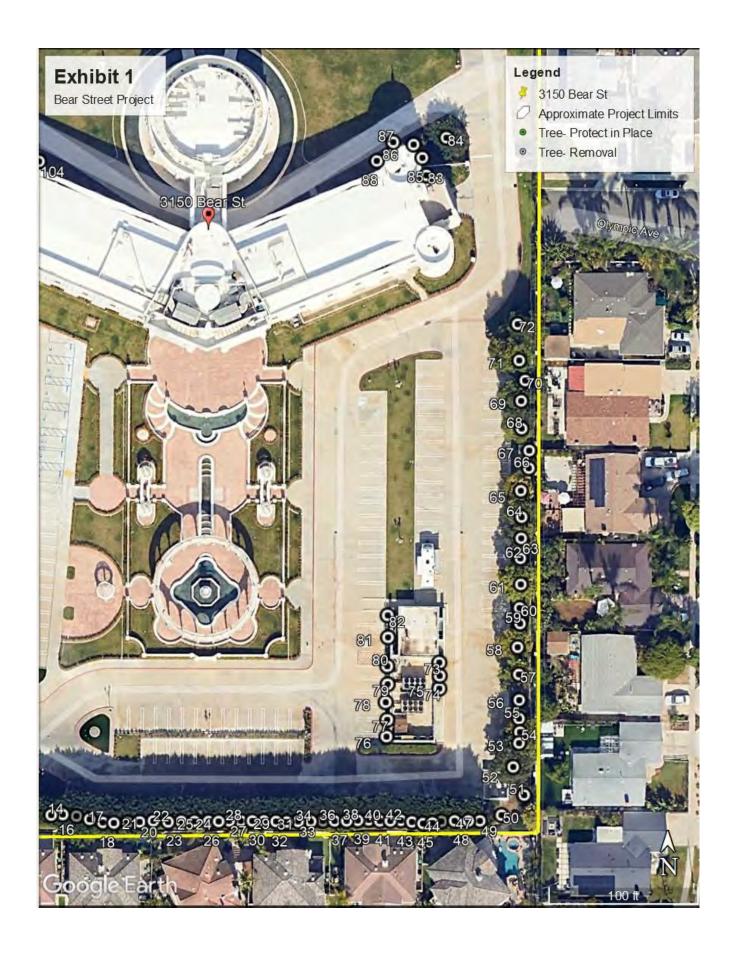
Table 1: Summary Bear Street Project 3150 Bear Street Costa Mesa, CA

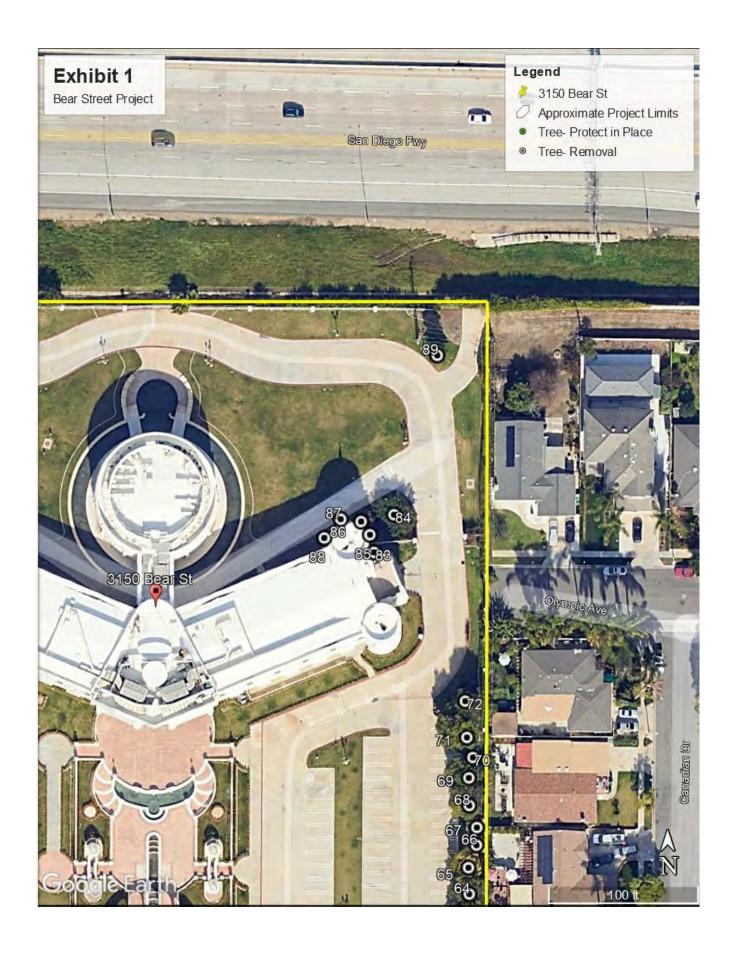
Botanical Name	Common Name	Good	Fair	Poor	Total
Araucaria columnaris	Cook pine	3	0	0	3
Camphora officinarum	Camphor tree	3	10	6	19
Cedrus deodara	Deodar cedar	1	2	0	3
Cupaniopsis anacardioides	Carrotwood	0	0	5	5
Cupressus sempervirens	Italian cypress	10	0	0	10
Erythrina spp.			0	1	1
Ficus carica			0	1	1
Ficus microcarpa	Indian laurel	0	37	0	37
Liquidambar styraciflua	Sweetgum	0	10	2	12
Lophostemon confertus	Brisbane box	4	9	12	25
Magnolia grandiflora	agnolia grandiflora Southern magnolia		1	0	3
Olive Olive		0	0	1	1
Phoenix dactylifera	hoenix dactylifera Date palm		2	0	10
Phoenix roebelenii Pygmy date palm		1	0	0	1
Pinus halepensis			19	0	19
Schinus terebinthifolia	Brazillian Peppertree	0	0	1	1
Searsia lancea	African sumac	0	4	4	8
Sequoia sempervirens	Coast Redwood	0	1	0	1
Washingtonia robusta			0	1	7
TOTAL					167











Tree ID	Tree Inventory Matrix  Botanical Name	Bear Street Project 31	Height (Ft)	Canopy Spread (Ft)	DBH (Inches)	Health	Suitability	Current Proposed	Notes
Tree ID	A 74		-			_		- 1 2	Notes
1	Phoenix dactylifera	Date palm	30	28	15	_	Low	Remove	
3	7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7	Date palm Date palm	30	28	15	3	Low	Remove Remove	
4		Date palm	30	28	15	3		Remove	
5	The second secon	Date palm	30	28	15	2		Remove	bottling
6		Deodar cedar	35	30			Low	Remove	split leader
7		Pygmy date palm	8	10	16	3		Remove	SELECTOR
8	A STATE AND A STATE OF THE STAT	Date palm	30	28	15	2		Remove	bottling
9		Date palm	30	28	15		Low	Remove	
10	Phoenix dactylifera	Date palm	30	28	15	3		Remove	
11	Phoenix dactylifera	Date palm	30	28	15	3	Low	Remove	
12	Phoenix dactylifera	Date palm	30	28	15	3	Low	Remove	
13	Ficus microcarpa	Indian laurel	32	23	17	2	Low	Remove	Pest/tip dieback
14	Ficus microcarpa	Indian laurel	32	23	13	- 2	Low	Remove	Pest/tip dieback
15	Ficus microcarpa	Indian laurel	32	23	15	2	Low	Remove	Pest/tip dieback
16	Ficus microcarpa	Indian laurel	32	23	14.5	2		Remove	Pest/tip dieback
17	Ficus microcarpa	Indian laurel	32	23	15	2		Remove	Pest/tip dieback
18	Ficus microcarpa	Indian laurel	32	23	14		Low	Remove	Pest/tip dieback
19	Ficus microcarpa	Indian laurel	32	23	12.75	2		Remove	Pest/tip dieback
20	Ficus microcarpa	Indian laurel	32	23	13	2		Remove	Pest/tip dieback
21	Ficus microcarpa	Indian laurel	32	23	11		Low	Remove	Pest/tip dieback
22	Ficus microcarpa	Indian laurel	32	23	14.5	2		Remove	Pest/tip dieback
23	Ficus microcarpa	Indian laurel	32	23	13.5	2		Remove	Pest/tip dieback
24		Indian laurel	32	23	13.5		Low	Remove	Pest/tip dieback
25	Ficus microcarpa	Indian laurel	32	23	12.5	2		Remove	Pest/tip dieback
26		Indian laurel	32	23	13.5	2		Remove	Pest/tip dieback
27	Ficus microcarpa Ficus microcarpa	Indian laurel	32	23	13	2	Low	Remove	Pest/tip dieback
28		Indian laurel Indian laurel	32	23	14	2		Remove Remove	Pest/tip dieback Pest/tip dieback
30	Ficus microcarpa Ficus microcarpa	Indian laurel	32	23	13		Low	Remove	Pest/tip dieback
31	Ficus microcarpa	Indian laurel	32	23	13.75	2		Remove	Pest/tip dieback
32	Ficus microcarpa	Indian laurel	32	23	13.73	2		Remove	Pest/tip dieback
33	Ficus microcarpa	Indian laurel	32	23	12,75		Low	Remove	Pest/tip dieback
34	Ficus microcarpa	Indian laurel	32	23	13.5	2		Remove	Pest/tip dieback
35	Ficus microcarpa	Indian laurel	32	23	13.5	2		Remove	Pest/tip dieback
36		Indian laurel	32	23	12.5		Low	Remove	Pest/tip dieback
37	Ficus microcarpa	Indian laurel	32	23	12.5	2		Remove	Pest/tip dieback
38	Ficus microcarpa	Indian laurel	32	23	14	2	Low	Remove	Pest/tip dieback
39		Indian laurel	32	23	13,75	2	Low	Remove	Pest/tip dieback
40	Ficus microcarpa	Indian laurel	32	23	14.75	2	Low	Remove	Pest/tip dieback
41	Ficus microcarpa	Indian laurel	32	23	12	2	Low	Remove	Pest/tip dieback
42	Ficus microcarpa	Indian laurel	32	23	15	2	Low	Remove	Pest/tip dieback
43	Ficus microcarpa	Indian laurel	32	23	13.5	2	Low	Remove	Pest/tip dieback
44	Ficus microcarpa	Indian laurel	32	23	12	2		Remove	Pest/tip dieback
45		Indian laurel	32	23	13	2		Remove	Pest/tip dieback
46		Indian laurel	32	23	14.5	2		Remove	Pest/tip dieback
47	Ficus microcarpa	Indian laurel	32	23	12.25	2		Remove	Pest/tip dieback
48		Indian laurel	32	23	12.5	2		Remove	Pest/tip dieback
49	Ficus microcarpa	Indian laurel	32	23	16.5	2		Remove	Pest/tip dieback
50	Searsia lancea	African sumac	14	10	3	2		Remove	and the transfer
51		Olive	15 38	13		1		Remove	suckers/stump
	Lophostemon confertus	Brisbane box	_	25			Low	Remove	niedling
	Lophostemon confertus  Lophostemon confertus	Brisbane box Brisbane box	30 28	19	9.5		Low	Remove Remove	girdling nutrient deficiencies
55		Cook pine	38	12			Low	Remove	split leader
56		African sumac	12	11	3.5		Low	Remove	old stakes
57	CONTRACTOR	Brisbane box	25	20			Low	Remove	nutrient deficiencies
58		Brisbane box	22	20			Low	Remove	root issues
59		African sumac	10	13	2.5		Low	Remove	stakes
60	Legal and the second se	African sumac	13	10			Low	Remove	stakes
61		Brisbane box	30	26	1		Low	Remove	codominant/nutrient
62		African sumac	12	13	3.5		Low	Remove	stakes
	Lophostemon confertus	Brisbane box	24	18			Low	Remove	root issues
64	A	Brisbane box	28	20			Low	Remove	nutrient deficiencies
65		Brisbane box	24	18			Low	Remove	nutrient deficiencies
66	Committee of the commit	African sumac	13	9		_	Low	Remove	stakes
67	Searsia lancea	African sumac	11	9	4	- 1	Low	Remove	stakes
68	Lophostemon confertus	Brisbane box	26	20	13.5	2	Low	Remove	girdling
69	Lophostemon confertus	Brisbane box	27	22	13.5	2	Low	Remove	root issues/cable
70	Searsia lancea	African sumac	10	12		- 1	Low	Remove	
71	Lophostemon confertus	Brisbane box	25	32	17.5		Low	Remove	codominant/nutrient
72	Sequoia sempervirens	Coastal redwood	27	30		2	Low	Remove	topped
	Lophostemon confertus	Brisbane box	9	4		+ 1		Remove	stump/sprouts
100	Lophostemon confertus	Brisbane box	7	3	1.5		Low	Remove	stump/sprouts
	Lophostemon confertus	Brisbane box	8	16			Low	Remove	stump/sprouts
76		Brisbane box	6	3		1	1000	Remove	stump/sprouts
77		Brisbane box	9	3	_		Low	Remove	stump/sprouts
	Lophostemon confertus	Brisbane box	7.	3			Low	Remove	stump/sprouts
79		Brisbane box	9	3			Low	Remove	stump/sprouts
80	TO PRODUCE AND ADMINISTRATION OF THE PARTY O	Brisbane box	7	3		_	Low	Remove	stump/sprouts
81		Brisbane box	6	3			Low	Remove	stump/sprouts
82		Brisbane box	6	4			Low	Remove	stump/sprouts
	A P. C. I. P. C. Cont. St. Page 1 and 1 an	Italian cypress	35	4			Low	Remove	The second secon
84	Erythrina spp.	Coral tree	11	6	21	1	Low	Remove	stump/multiple failures

85	Cupressus sempervirens	Italian cypress	35	4	8	_	Low	Remove	
86	Cupressus sempervirens	Italian cypress	45	4	7.5	3	Low	Remove	
	Cupressus sempervirens	Italian cypress	38	4	8	_	Low	Remove	
88	Cupressus sempervirens	Italian cypress	40	4	8	3	Low	Remove	
0.07	Araucaria columnaris	Cook pine	40	10	14.5	_	Low	Remove	
90	Camphora officinarum	Camphor tree	18	25	32	$\overline{}$	Low	Remove	stump/root shoots
91	Schinus terebinthifolia	Carlotte and the second	30	25	88			Remove	stump/root shoots
_		Brazilian peppertree		15	8	_			almedous d'Entre de
-	Comphora officinarum	Camphor tree	27				Low	Remove	nutrient deficiencie
	Cedrus deodara	Deodar cedar	50	28	12.5	_	Low	Remove	split leader
	Liquidambar styraciflua	Sweetgum	25	16	5.5	_	Low	Remove	budding
95	Liquidambar styraciflua	Sweetgum	18	10	5	1	Low	Remove	dead
96	Comphora officinarum	Camphor tree	25	20	8.5	1	Low	Remove	wires in trunk
97	Comphora officinarum	Camphor tree	28	20	8	2	Low	Remove	
98	Washingtonia robusta	Mexican fan palm	55	16	16.25	3	Low	Remove	
	Liquidambar styraciflua	Sweetgum	22	12	5	_		Remove	budding
100	Washingtonia robusta	Mexican fan palm	50	8	14.5	_	Low	Remove	a second
	Araucaria columnaris	Cook pine	40	20	11	_	Low	Remove	
-			26	18			Low		CARS
102	Liquidambar styraciflua	Sweetgum			8			Remove	budding
103	Lophostemon confertus	Brisbane box	6	5	2.25		Low	Remove	stump/sprouts
104	Cupressus sempervirens	Italian cypress	40	4	8	_	Low	Remove	
105	Cupressus sempervirens	Italian cypress	38	4	8	3	Low	Remove	
106	Cupressus sempervirens	Italian cypress	35	4	8	3	Low	Remove	1
107	Cupressus sempervirens	Italian cypress	38	4	8	3	Low	Remove	
108	Cupressus sempervirens	Italian cypress	40	4	8	3	Low	Remove	
109	Comphora officinarum	Camphor tree	22	16	5.5	_		Protect in Place	
3.75.54	7.45 - 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	Fig	11	14	8		Moderate	Protect in Place	vine stangling tree
111	Cupaniopsis anacardioides	Carrotwood	10	2	4	_	Moderate	Protect in Place	seedling
	Charles and the same of the sa	13.000000000000000000000000000000000000							
112	Cupaniopsis anacardioides	Carrotwood	10	2	4	_	Moderate	Protect in Place	seedling
113	Cupaniopsis anacardioides	Carrotwood	10	2	1			Protect in Place	seedling
114	Cupaniopsis anacardioides	Carrotwood	10	2	20	_	Moderate	Protect in Place	seedling
115	Washingtonia robusta	Mexican fan palm	48	12	15	3	High	Protect in Place	
116	Washingtonia robusta	Mexican fan palm	52	12	15	3	High	Protect in Place	
117	Washingtonia robusta	Mexican fan palm	50	12	15	3	High	Protect in Place	
118	Pinus halepensis	Aleppo pine	47	30	18	2	Moderate	Protect in Place	
0.75	Pinus halepensis	Aleppo pine	44	30	17	- 2	Moderate	Protect in Place	
-	Pinus halepensis	Aleppo pine	42	30	24	_		Protect in Place	
121	LA COMPANIA DE PROPERTO	- Late	46	30	19		Moderate	Protect in Place	
200	Pinus halepensis	Aleppo pine				_			
122	Pinus halepensis	Aleppo pine	44	30	24	_	Moderate	Protect in Place	
	Pinus halepensis	Aleppo pine	39	30	21		Moderate	Protect in Place	girdling
124	Pinus halepensis	Aleppo pine	45	30	23	2	Moderate	Protect in Place	
125	Camphora officinarum	Camphor tree	20	14	6	2	Low	Remove	
126	Comphora officinarum	Camphor tree	25	24	7.5	2	Low	Remove	
127	Comphora officinarum	Camphor tree	28	20	7	1	Low	Remove	
128	Camphora officinarum	Camphor tree	40	36	10	- 2	Low	Remove	
		Camphor tree	50	40	14	_	Low	Remove	
	Liquidambar styraciflua	Sweetgum	32	30	9		Low	Remove	budding
	Liquidambar styraciflua	Sweetgum	22	30	8		Low	Remove	
-						_			budding
100		Camphor tree	29	30	7.5	_		Remove	
	Magnolia grandiflora	Southern magnolia	25	22	8.5	_	Low	Remove	
20.00	Camphora officinarum	Camphor tree	20	30	10	-	Low	Remove	
135	Liquidambar styraciflua	Sweetgum	24	30	7	2	Low	Remove	
136	Camphara officinarum	Camphor tree	32	20	6.5	2	Low	Remove	
137	Liquidambar styraciflua	Sweetgum	30	20	8	2	Low	Remove	budding
_	Liquidambar styraciflua	Sweetgum	25	13	9	2	Low	Remove	budding
	Magnolia grandiflora	Southern magnolia	25	30	8		Low	Remove	
	Camphora officinarum	Camphor tree	22	12	6		Low	Remove	cable choking tree
_			38	30	12	_	Low	Remove	casis trioxing tree
	Camphora officinarum	Camphor tree				_			
_		Camphor tree	45	30	11		Low	Remove	
-	Magnolia grandiflora	Southern magnolia	25	20	8	_	Low	Remove	-
	Liquidambar styraciflua	Sweetgum	38	20	9	_	Low	Remove	
	Liquidambar styraciflua	Sweetgum	37	30	8.5	_	Low	Remove	
146	Camphora officinarum	Camphor tree	30	30	12	2	Low	Remove	cable choking tree
147	Camphora officinarum	Camphor tree	18	30	7	2	Low	Remove	
	Liquidambar styraciflua	Sweetgum	30	30	10	_	Low	Remove	budding
	Cupaniopsis anacardioides	Carrotwood	15	30	4.5			Protect in Place	
	Cedrus deodara	Deodar cedar	30	50	15.5			Remove	cable choking tree
	The second secon		29	30	12		Low		come moving nee
	Comphora officinarum	Camphor tree				_		Remove	
	Lophostemon confertus	Brisbane box	28	30	8.5	_	Low	Remove	+
	Lophostemon confertus	Brisbane box	28	30	10	_	1000	Remove	4
	Pinus halepensis	Aleppo pine	48	30	23			Protect in Place	
155	Pinus halepensis	Aleppo pine	48	30	18.5	2	Moderate	Protect in Place	
156	Pinus halepensis	Aleppo pine	45	30	22	2	Moderate	Protect in Place	
157	Pinus halepensis	Aleppo pine	45	30	21.5	2	Moderate	Protect in Place	
	Pinus halepensis	Aleppo pine	30	30	19.5	_		Protect in Place	
159	Pinus halepensis	Aleppo pine	45	30	24	_		Protect in Place	
	Contract of the Contract of th					_	120000000000000000000000000000000000000		
160		Aleppo pine	30	30	20		1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	Protect in Place	andt-
200	Pinus halepensis	Aleppo pine	18	30	4	_	Moderate	Protect in Place	seedling
161	Pinus halepensis	Aleppo pine	48	30	21.5		Moderate	Protect in Place	
162				20	13	2	Moderate	The same that the same	cable choking tree
162	Pinus halepensis	Aleppo pine	34	30				Protect in Place	cable bloking tree
162 163	Pinus halepensis Pinus halepensis	Aleppo pine Aleppo pine	34 44	30	20.5		Moderate	Protect in Place	cable bloking tree
162 163 164	Pinus halepensis					2			cable bloking tree
162 163 164	Pinus halepensis Washingtonia robusta	Aleppo pine	44	30	20.5	3	Moderate	Protect in Place	cable bloxing tree





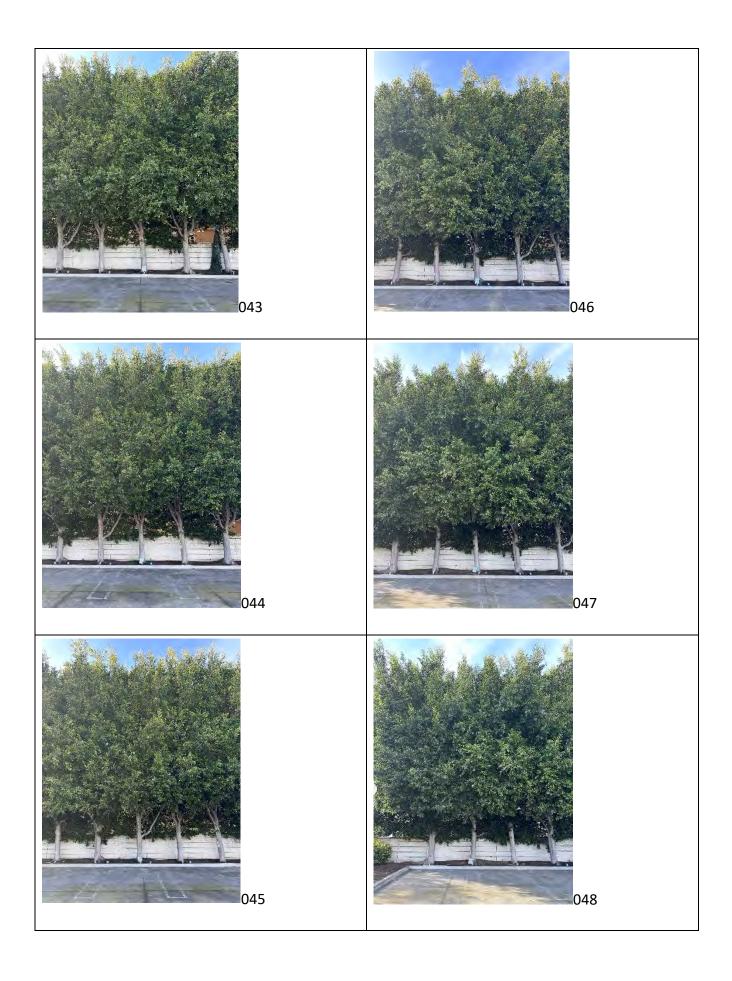


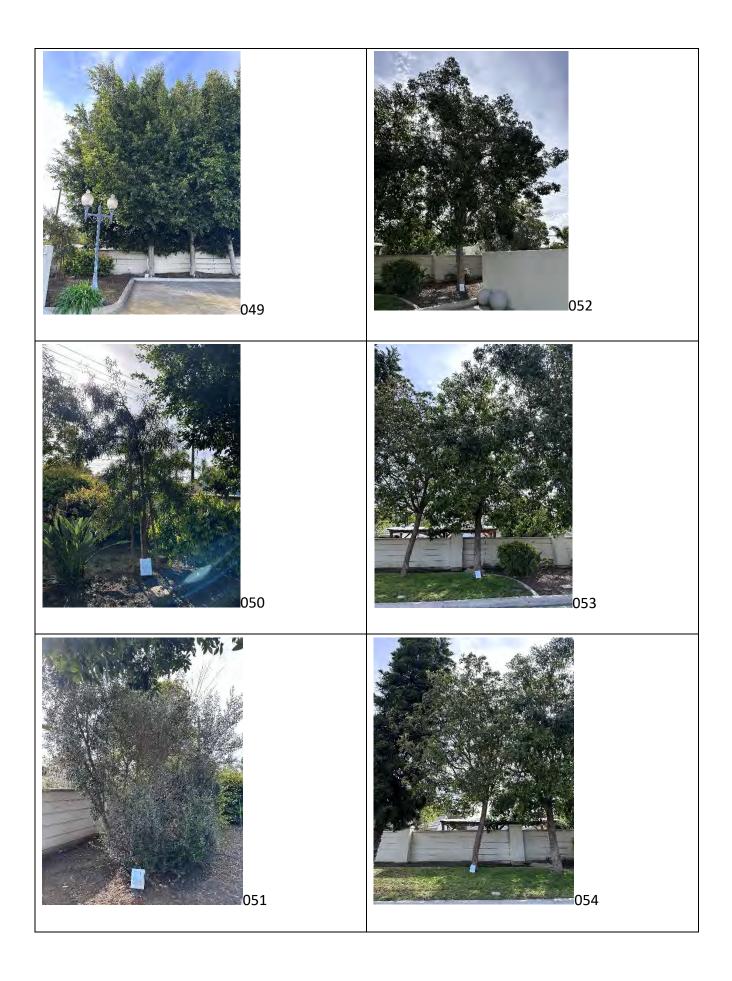
















Page | 23



Page | 24



Page | 25













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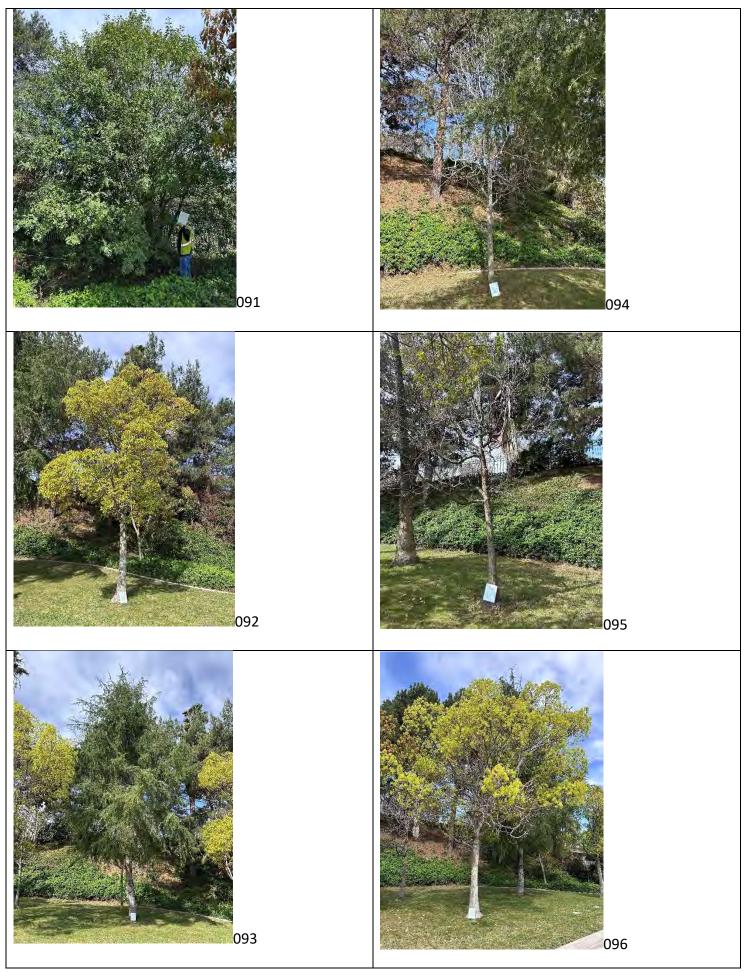




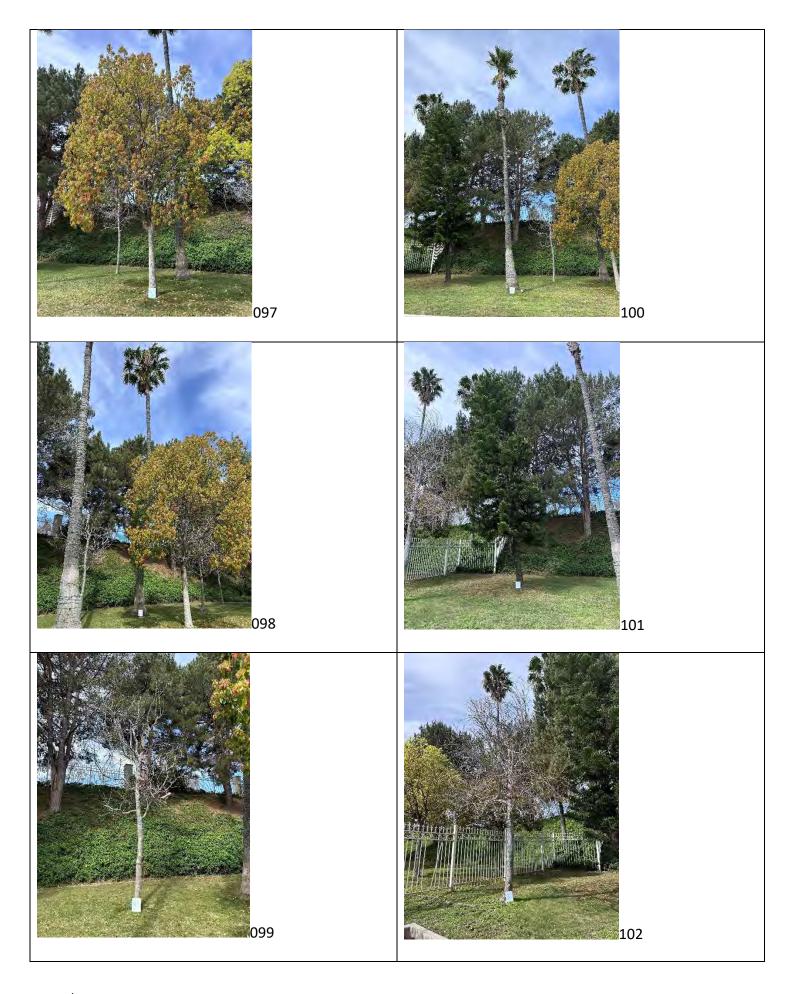




Page | 27



Page | 28



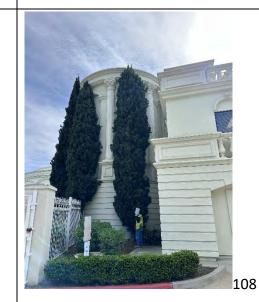


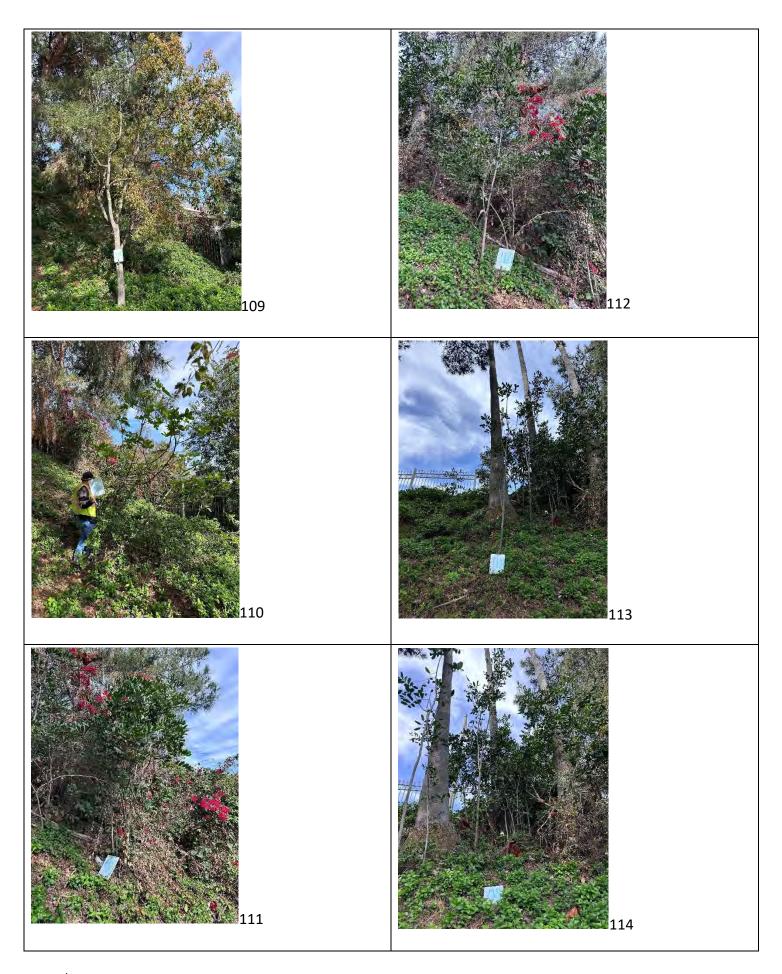




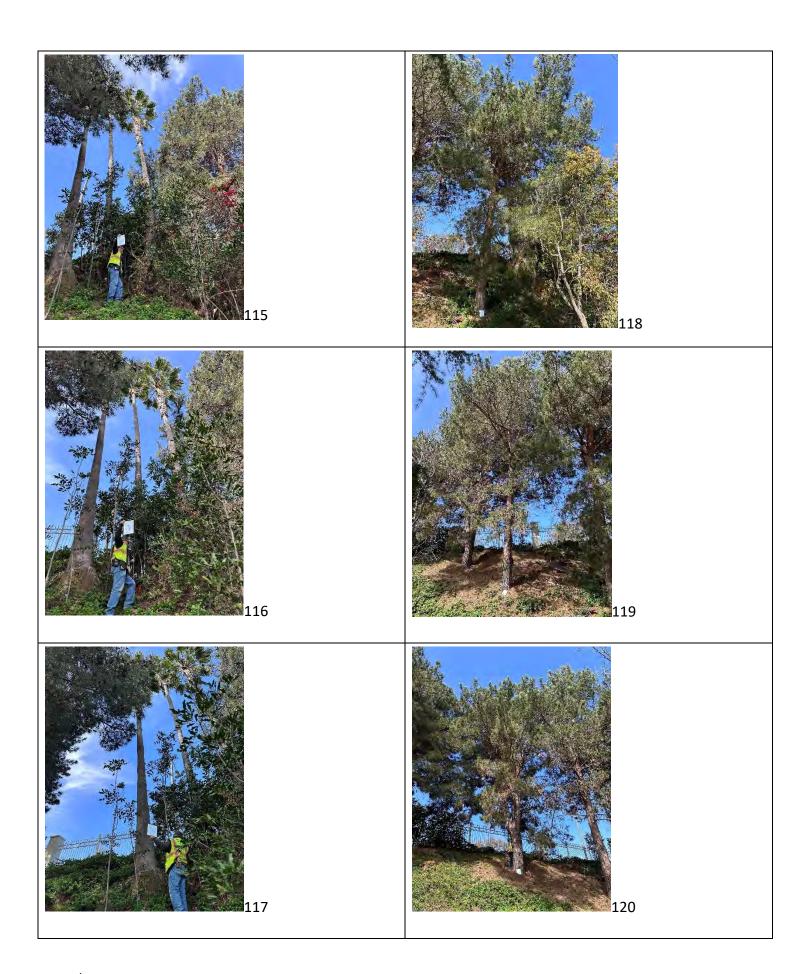






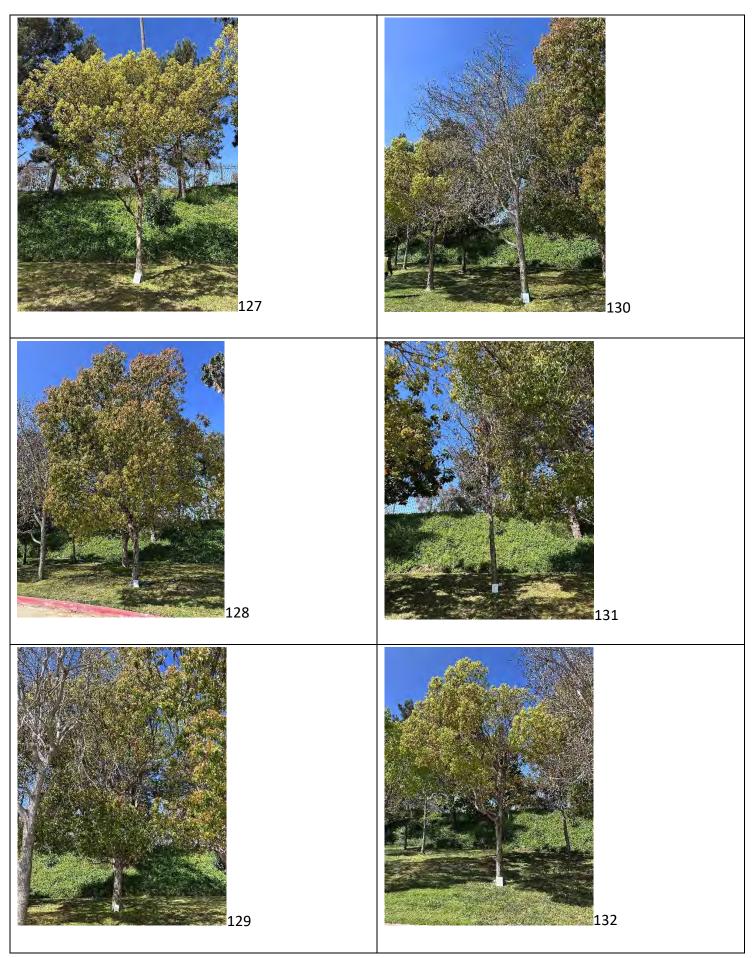


Page | 31

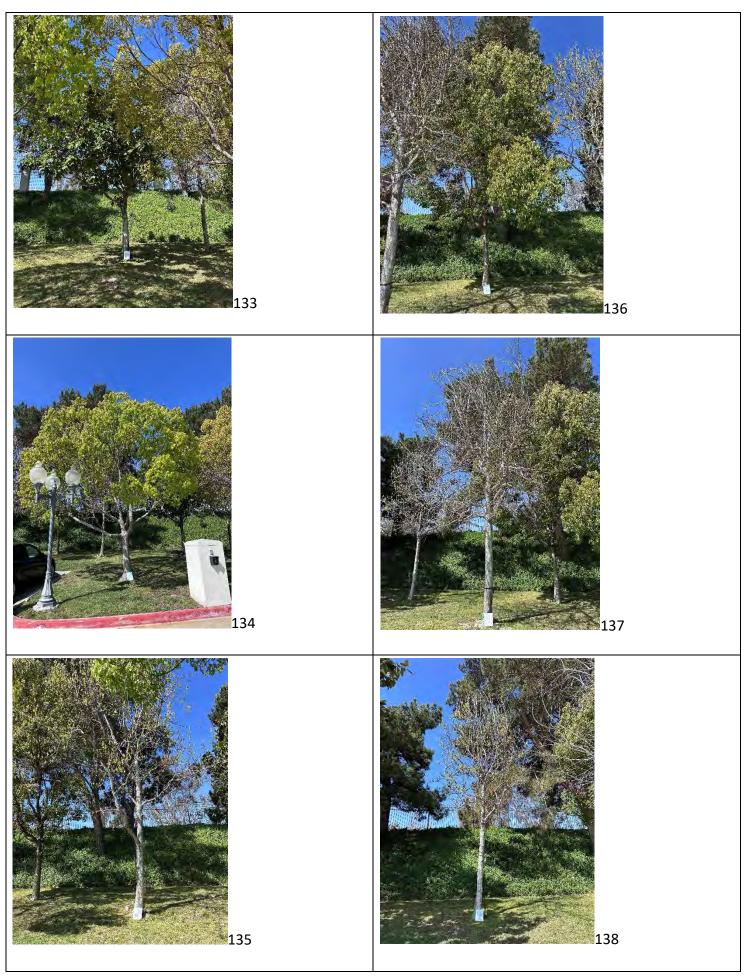




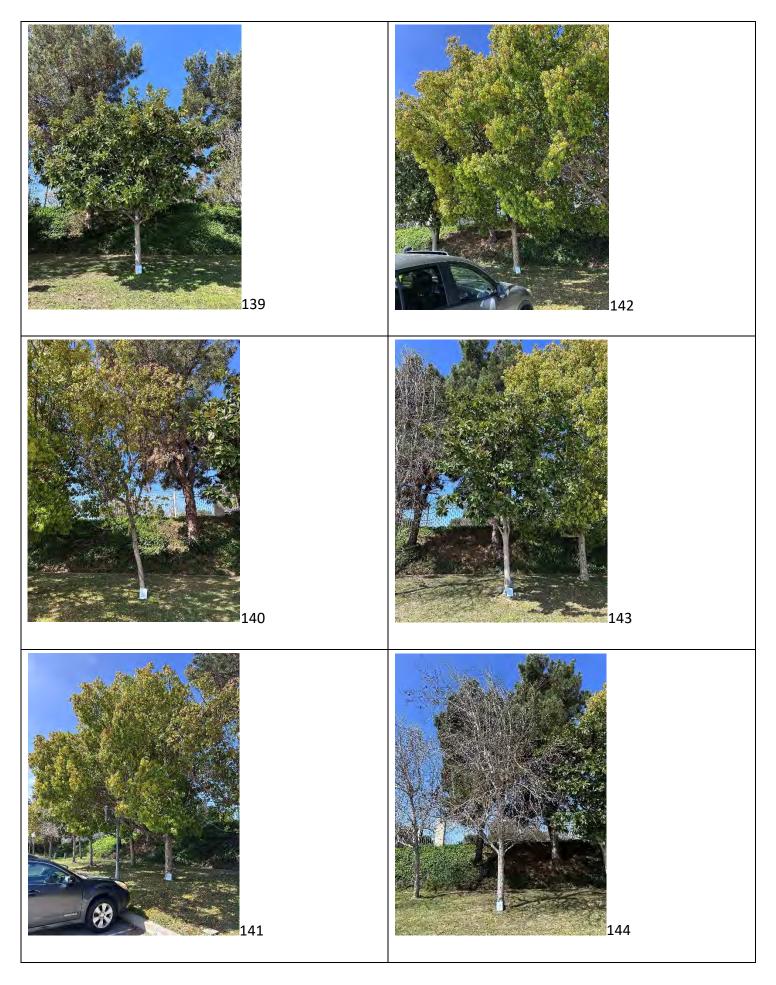
Page | 33

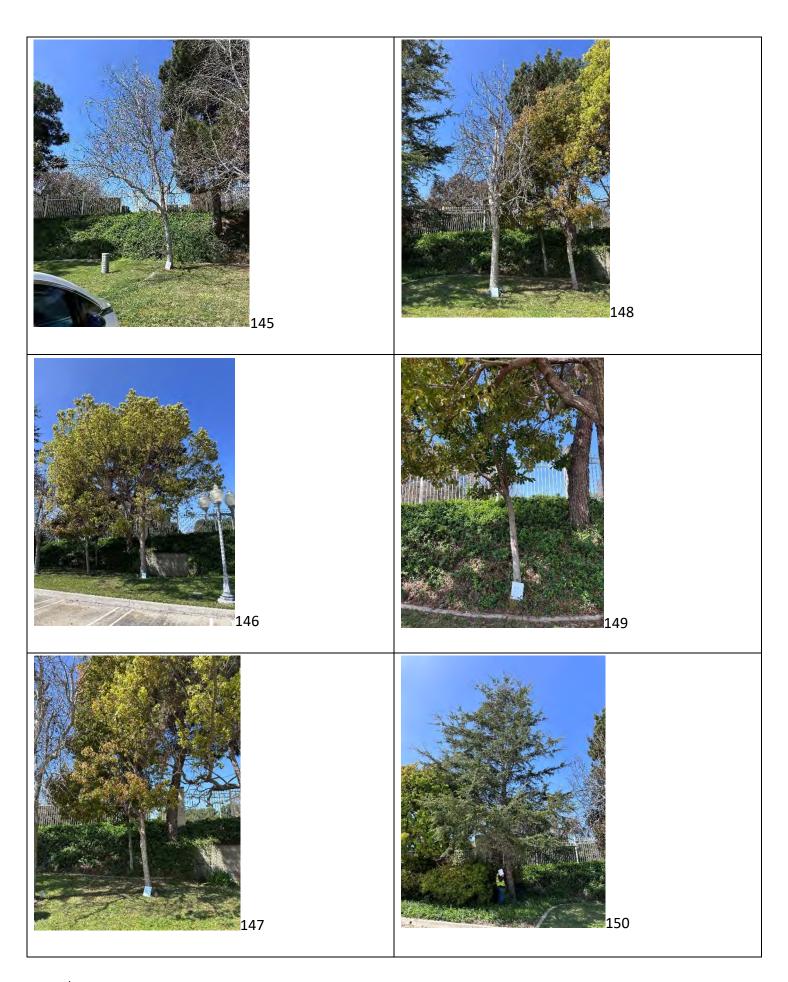


Page | 34

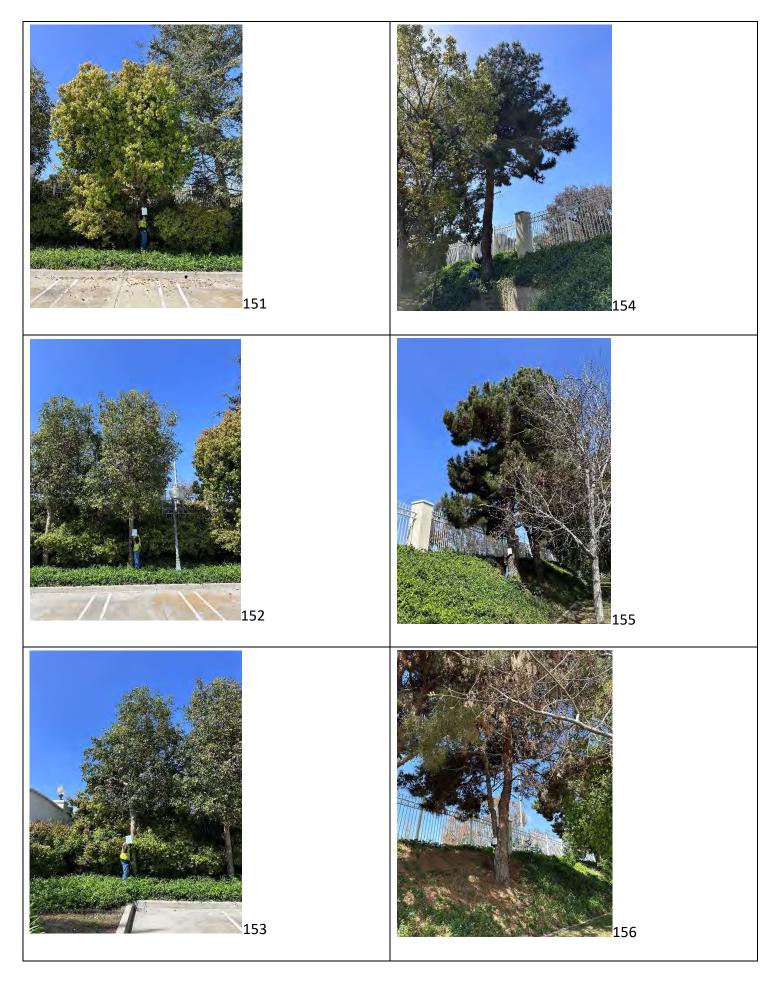


Page | 35

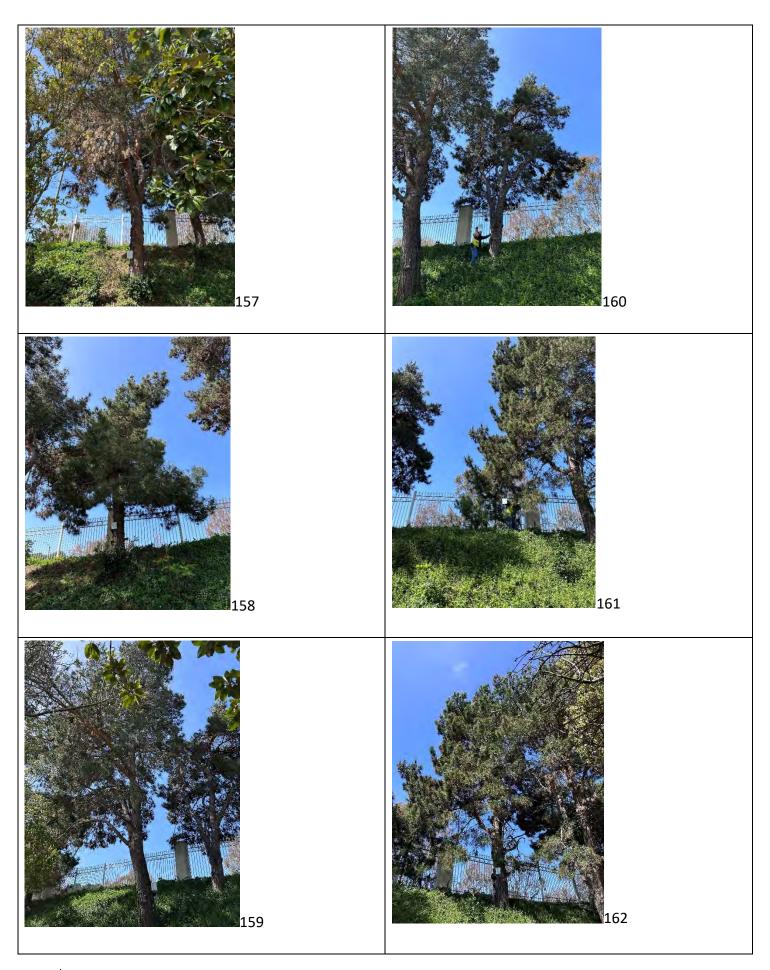




Page | 37



Page | 38



Page | 39



Page | 40

### Arborist's Disclosure, Limitations, and Suggestions

- Arborists are tree specialists who use their education, knowledge, training, and experience 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 the recommendations of the arborist.
- Arborists cannot detect every condition that could possibly lead to the structural failure of a tree.
- Trees are living organisms that fail in ways we do not fully understand. Often the conditions are hidden.
- Arborists cannot guarantee that a tree will be healthy or safe under all circumstances, or for a specified period of time.
- Treatment, pruning and removal of trees may involve considerations beyond the scope of arborist services. Arborists cannot take such consideration into account unless complete and accurate information is disclosed.
- To live near trees is to accept some degree of risk. Trees can be managed, but they cannot be controlled.
- The only way to eliminate all risk associated with trees is to eliminate all trees.
- Tree preservation is the spirit of arboriculture.
- Unless expressed otherwise information contained in this report covers only those items
  that were examined and reflects the condition of those items at the time of inspection
  and the inspection is limited to visual examination of accessible items.
- This inspection does not warranty or guarantee that the subject tree is free of defects from hidden or unapparent conditions expressed or implied. The conclusions of this report are derived from visual inspection only.
- Loss or alteration of any part of this report invalidates the entire report.
- Possession of this report or copy thereof does not imply right of publication or use for any purpose by any other than the person to whom it is addressed, without the prior expressed written or verbal consent of the certified arborist.
- The certified arborist shall not be required to give testimony or to attend court, provide additional services or attend meetings because of this report unless subsequent contractual arrangements are made, including payment of an additional fee for such services as described in the fee schedule and contract engagement.
- Photographs in this report, being intended as visual aids, are not necessary to scale and should not be construed as engineering or architectural reports or surveys.

I hereby certify that the statements furnished above represent the data and information, and that the facts, statements, and information presented herein are true and correct to the best of my knowledge and belief.

Dillon Reynolds

ISA Certified Arborist WE 9690A