

TREE INVENTORY REPORT
BEACH CITIES HEALTH DISTRICT
514 NORTH PROSPECT AVENUE
REDONDO BEACH, CALIFORNIA 90277

SUBMITTED TO:

LESLIE DICKEY
EXECUTIVE DIRECTOR OF REAL ESTATE
BEACH CITIES HEALTH DISTRICT
514 NORTH PROSPECT AVENUE
REDONDO BEACH, CALIFORNIA 90277

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CITY OF REDONDO BEACH - TREE INVENTORY REPORT BEACH CITIES HEALTH DISTRICT- 514 NORTH PROSPECT AVENUE, REDONDO BEACH

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August 22, 2019

Leslie Dickey
Executive Director of Real Estate
Beach Cities Health District
514 North Prospect Avenue
Redondo Beach, California 90277

Re: Beach Cities Health District - Tree Inventory Report

Dear Mr. Dickey,

EXECUTIVE SUMMARY

A total of 228 trees were inventoried on the Beach Cities Health District (BCHD) property, located at 514 North Prospect Avenue in Redondo Beach. There does not appear to be any private property restrictions for private property trees within the City of Redondo Beach. There are no City rights-of-way trees associated with this project.

BACKGROUND AND ASSIGNMENT

BCHD is planning to redevelop their nine-acre site and a terraced slope to the east, to accommodate a new Master Plan. Most of the existing BCHD campus is proposed for demolition, with new hospital buildings proposed on the approximate 10.38-acre lot. The Project Site consists of the existing campus and the adjacent vacant lot at the corner of Flagler Lane and Beryl Street. The 228 inventoried trees are located within and immediately adjacent to the property limits.

We were retained to visit the property to inventory and photograph all trees regardless of size and prepare a Tree Inventory Report for submittal to the City of Redondo Beach. A comprehensive analysis of each tree as it pertains to construction was not requested and is not a part of this study. This report is based on our site visit on July 9, 2019.

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OBSERVATIONS

We inventoried 228 trees of various species throughout the subject property. Tree trunks were recorded in the field, from grade, using Denn Engineers Survey and Topography Plan (March 7, 2013) provided to us. The inventoried trees were tagged with an embossed aluminum numbered tag.

Table 1 is a summary of the tree species comprising the 228 total trees. Captioned photographs and the exhibit at the end of this report illustrate site context, tree locations, tree structure, and vigor. Tree locations Tree locations were not professionally surveyed and are graphically represented on the 'Tree Location Exhibit.'

CONCLUSION

Once the design is finalized, you may request an analysis of construction impacts to each tree and recommendations for protection of trees during the construction process. We are available to provide a proposal for this study as requested; this assignment was only for a site analysis.

Please feel welcome to contact me at our Santa Monica office if you have any immediate questions or concerns.

Respectfully submitted,

Cy Carlberg, Registered Consulting Arborist

Principal, Carlberg Associates

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Note: This report comprises a total of 45 pages and one full-size map. Unauthorized separation or removal of any portion of this report deems it invalid as a whole. Conditions represented in this report are limited to the inventory date and time. Risk assessments were not requested nor performed for the purposes of this report. Ratings for health, aesthetics, and structure do not constitute a health or structural guarantee beyond the date and time of the inspection.



TABLE 1 – SUMMARY OF INVENTORIED TREES

Tree #	Common Name	Botanical Name	Diameter at 4.5 feet (dbh) (inches)	Height (feet)	Canopy Spread NS x EW (feet)	Health	Structure	Suitability for Relocation
1	floss silk tree	Ceiba speciosa	23.6	20	30 x 30	С	В	No
2	floss silk tree	Ceiba speciosa	12	20	6 x 10	D	С	No
3	floss silk tree	Ceiba speciosa	21.5	20	35 x 30	C-	С	No
4	floss silk tree	Ceiba speciosa	7	12	3 x 3	D	D	No
5	floss silk tree	Ceiba speciosa	11	15	15 x 12	C-	С	No
6	floss silk tree	Ceiba speciosa	7.5	10	7 x 7	D	D	No
7	evergreen pear	Pyrus kawakamii	6.5	10	10 x 10	B+	В	No
8	evergreen pear	Pyrus kawakamii	4	10	10 x 10	А	B-	No
9	floss silk tree	Ceiba speciosa	11.5	15	20 x 20	С	B-	No
10	evergreen pear	Pyrus kawakamii	5, 11	20	30 x 20	B+	B+	No
11	floss silk tree	Ceiba speciosa	6	15	1 x 3	D	D	No
12	Victorian box	Pittosporum undulatum	5, 6.5	12	10 x 10	С	С	No
13	evergreen pear	Pyrus kawakamii	8	15	15 x 15	В	А	No
14	evergreen pear	Pyrus kawakamii	8.5	15	20 x 20	В	В	No
15	floss silk tree	Ceiba speciosa	14.5	15	20 x 20	C-	C-	No
16	floss silk tree	Ceiba speciosa	12.5	15	20 x 20	C-	C-	No
17	floss silk tree	Ceiba speciosa	11.5	12	12 x 15	C-	C-	No
18	flooded gum	Eucalyptus rudis	20	30	30 x 30	А	В	No
19	Brazilian pepper	Schinus terebinthifolius	5	15	10 x 10	В	C+	No
20	weeping fig	Ficus benjamina	1, 1, 2, 4.5	10	15 x 15	А	B+	No
21	Brazilian pepper	Schinus terebinthifolius	4.5, 4.5	30	12 x 6	В	В	No



Tree #	Common Name	Botanical Name	Diameter at 4.5 feet (dbh) (inches)	Height (feet)	Canopy Spread NS x EW (feet)	Health	Structure	Suitability for Relocation
22	Brazilian pepper	Schinus terebinthifolius	9.5, 12	35	25 x 25	Α	В	No
23	flooded gum	Eucalyptus rudis	19.5	35	20 x 20	Α	B-	No
24	flooded gum	Eucalyptus rudis	26	50	40 x 40	А	В	No
25	Hollywood juniper	<i>Juniperus chinensis</i> Torulosa'	7	10	10 x 10	А	Α	No
26	Hollywood juniper	<i>Juniperus chinensis</i> Torulosa'	4.5	10	10 x 15	А	A-	No
27	aleppo pine	Pinus halepensis	7.5	15	16 x 12	А	В	No
28	flooded gum	Eucalyptus rudis	19	40	40 x 40	A-	В	No
29	aleppo pine	Pinus halepensis	26.5 at 4'	40	30 x 25	А	B-	No
30	Hollywood juniper	<i>Juniperus chinensis</i> Torulosa'	2	5	3 x 9	Α	B+	No
31	aleppo pine	Pinus halepensis	29	45	35 x 40	A-	B-	No
32	floss silk tree	Ceiba speciosa	12	25	18 x 20	B+	B-	No
33	floss silk tree	Ceiba speciosa	10.5	20	10 x 25	В	В	No
34	aleppo pine	Pinus halepensis	12.5	25	15 x 15	B+	B-	No
35	aleppo pine	Pinus halepensis	18.5	30	30 x 30	А	Α	No
36	aleppo pine	Pinus halepensis	10.5	15	15 x 15	Α	B+	No
37	aleppo pine	Pinus halepensis	17	25	20 x 20	А	Α	No
38	Brazilian pepper	Schinus terebinthifolius	8	20	25 x 15	А	B+	No
39	aleppo pine	Pinus halepensis	12.5, 15	30	20 x 30	В	В	No
40	aleppo pine	Pinus halepensis	17.5	35	20 x 20	А	B+	No
41	aleppo pine	Pinus halepensis	4, 13	30	15 x 20	B+	B+	No
42	rubber tree	Ficus elastica	2, 3, 3	7	10 x 10	A-	В	No
43	Brazilian pepper	Schinus terebinthifolius	1, 1, 3	8	10 x 10	A-	С	No



Tree #	Common Name	Botanical Name	Diameter at 4.5 feet (dbh) (inches)	Height (feet)	Canopy Spread NS x EW (feet)	Health	Structure	Suitability for Relocation
44	blackwood acacia	Acacia melanoxylon	6.5	10	10 x 15	Α	B-	No
45	Brazilian pepper	Schinus terebinthifolius	1, 1, 4	15	8 x 10	Α	B-	No
46	Brazilian pepper	Schinus terebinthifolius	2, 2, 2	10	10 x 10	Α	С	No
47	Brazilian pepper	Schinus terebinthifolius	1, 2	7	7 x 5	А	В	No
48	Brazilian pepper	Schinus terebinthifolius	1, 1	7	5 x 5	Α	В	No
49	Brazilian pepper	Schinus terebinthifolius	1, 1, 2	7	10 x 4	А	В	No
50	Brazilian pepper	Schinus terebinthifolius	1, 1, 2	7	7 x 5	А	В	No
51	Brazilian pepper	Schinus terebinthifolius	6, 7.5, 9.5, 12	30	22 x 15	A-	B-	No
52	Brazilian pepper	Schinus terebinthifolius	4, 5, 6, 10	25	25 x 15	A-	B-	No
53	Brazilian pepper	Schinus terebinthifolius	3, 4, 5.5, 7.5, 8	20	20 x 20	A-	C+	No
54	Brazilian pepper	Schinus terebinthifolius	18.5	25	20 x 20	А	В	No
55	Brazilian pepper	Schinus terebinthifolius	2, 3.5, 4.5	10	10 x 10	А	В	No
56	Brazilian pepper	Schinus terebinthifolius	3, 5, 5, 6	15	10 x 15	B-	B-	No
57	floss silk tree	Ceiba speciosa	13	15	15 x 20	B-	B-	No
58	Brisbane box	Lophostemon confertus	13	30	20 x 15	Α	B-	No
59	Brisbane box	Lophostemon confertus	14	30	20 x 15	А	B-	No
60	Brisbane box	Lophostemon confertus	12	30	20 x 15	А	B-	No
61	bronze loquat	Eriobotrya deflexa	4.5, 5 at 3'	10	12 x 12	Α	Α	Yes
62	queen palm	Syagrus romanzoffiana	*BT 18'	28	15 x 15	А	А	Yes
63	bronze loquat	Eriobotrya deflexa	7.5 at 1'	10	12 x 12	А	А	Yes
64	queen palm	Syagrus romanzoffiana	BT 15'	25	15 x 15	А	А	Yes
65	bronze loquat	Eriobotrya deflexa	4 at 2'	10	10 x 10	А	В	Yes



Tree #	Common Name	Botanical Name	Diameter at 4.5 feet (dbh) (inches)	Height (feet)	Canopy Spread NS x EW (feet)	Health	Structure	Suitability for Relocation
66	queen palm	Syagrus romanzoffiana	BT 15'	25	15 x 10	Α	Α	Yes
67	bronze loquat	Eriobotrya deflexa	3, 5 at 2'	12	10 x 10	Α	Α	Yes
68	queen palm	Syagrus romanzoffiana	BT 15'	25	15 x 15	Α	Α	Yes
69	queen palm	Syagrus romanzoffiana	BT 12'	20	15 x 15	А	А	Yes
70	jacaranda	Jacaranda mimosifolia	5.5, 6.5, 9, 9	30	30 x 30	А	C+	No
71	Australian willow	Geijera parviflora	4	20	12 x 12	B+	А	Yes
72	Australian willow	Geijera parviflora	4.5	20	15 x 15	В-	B-	No
73	paperbark	Melaleuca quinquenervia	7.5, 8, 8, 10, 11.5	40	20 x 20	В	В	No
74	bronze loquat	Eriobotrya deflexa	9.5	20	20 x 20	А	А	No
75	floss silk tree	Ceiba speciosa	14.5	30	20 x 20	А	B+	No
76	Japanese loquat	Eriobotrya japonica	3.5, 5.5	20	18 x 12	Α	B+	Yes
77	Fraser photinia	Photinia x fraseri	3, 6	20	18 X 10	В	В	No
78	African fern pine	Afrocarpus falcatus	1, 1, 3, 3	7	6 X 6	Α	В	No
79	paperbark	Melaleuca quinquenervia	6, 7.5, 13.5	20	15 X 20	Α	В	No
80	olive tree	Olea europaea	5, 6.5, 6.5, 9	15	12 X 15	Α	В	Yes
81	Canary Island pine	Pinus canariensis	20.5	50	20 X 20	Α	В	No
82	Canary Island pine	Pinus canariensis	17	50	20 X 20	А	B-	No
83	African fern pine	Afrocarpus falcatus	4.5, 7.5, 9.5	20	15 X 6	А	B-	No
84	paperbark	Melaleuca quinquenervia	14	25	15 X 15	А	В	No
85	Hollywood juniper	Juniperus chinensis Torulosa'	5.5	20	6 X 6	А	В	No
86	paperbark	Melaleuca quinquenervia	13.5	20	12 X 12	Α	B-	No



Tree #	Common Name	Botanical Name	Diameter at 4.5 feet (dbh) (inches)	Height (feet)	Canopy Spread NS x EW (feet)	Health	Structure	Suitability for Relocation
87	paperbark	Melaleuca quinquenervia	18	20	15 X 15	Α	B-	No
88	queen palm	Syagrus romanzoffiana	BT 15'	25	12 X 12	Α	A-	Yes
89	queen palm	Syagrus romanzoffiana	BT 10'	20	12 X 12	Α	A-	Yes
90	queen palm	Syagrus romanzoffiana	BT 12'	22	12 X 12	Α	Α	Yes
91	paperbark	Melaleuca quinquenervia	8, 9.5, 10.5, 12.5	20	20 X 20	Α	B-	No
92	paperbark	Melaleuca quinquenervia	26	20	20 X 20	Α	В-	No
93	floss silk tree	Ceiba speciosa	11	25	20 X 20	А	A-	No
94	floss silk tree	Ceiba speciosa	20	25	25 X 25	Α	А	No
95	floss silk tree	Ceiba speciosa	16.5	25	15 x 25	Α	А	No
96	paperbark	Melaleuca quinquenervia	25.5 at 3.5'	20	15 x 12	Α	В-	No
97	paperbark	Melaleuca quinquenervia	8.5, 11	20	18 x 12	Α	В	No
98	paperbark	Melaleuca quinquenervia	9, 9, 9.5, 10, 12	20	22 x 18	Α	В	No
99	floss silk tree	Ceiba speciosa	18	20	10 x 15	В	С	No
100	floss silk tree	Ceiba speciosa	15	25	25 x 20	B-	B-	No
101	paperbark	Melaleuca quinquenervia	9.5, 10.5	20	15 x 18	Α	В	No
102	paperbark	Melaleuca quinquenervia	22	20	12 x 12	Α	В	No
103	Hollywood juniper	Juniperus chinensis 'Torulosa'	12 at 4'	20	10 x 10	А	А	No
104	African fern pine	Afrocarpus falcatus	6, 8.5	20	10 x 12	Α	Α	No
105	Canary Island pine	Pinus canariensis	6	30	7 x 10	Α	А	No
106	African fern pine	Afrocarpus falcatus	16	20	15 x 15	Α	B+	No
107	Indian laurel fig	Ficus microcarpa	14, 21	25	22 x 25	А	В	No
108	queen palm	Syagrus romanzoffiana	BT 14'	22	12 x 12	Α	В	Yes



Tree #	Common Name	Botanical Name	Diameter at 4.5 feet (dbh) (inches)	Height (feet)	Canopy Spread NS x EW (feet)	Health	Structure	Suitability for Relocation
109	queen palm	Syagrus romanzoffiana	BT 15'	25	12 x 12	Α	В	Yes
110	queen palm	Syagrus romanzoffiana	BT 10'	16	12 x 12	А	Α	Yes
111	Mexican fan palm	Washingtonia robusta	BT 40'	46	10 x 10	Α	А	Yes
112	Mexican fan palm	Washingtonia robusta	BT 45'	51	10 x 10	Α	Α	Yes
113	Mexican fan palm	Washingtonia robusta	BT 40'	46	10 x 10	Α	Α	Yes
114	Mexican fan palm	Washingtonia robusta	BT 35'	41	10 x 10	А	Α	Yes
115	Mexican fan palm	Washingtonia robusta	BT 45'	51	10 x 10	А	Α	Yes
116	queen palm	Syagrus romanzoffiana	BT 15'	25	15 x 15	А	А	Yes
117	queen palm	Syagrus romanzoffiana	BT 15'	25	10 x 10	А	Α	Yes
118	queen palm	Syagrus romanzoffiana	BT 15'	25	15 x 15	Α	Α	Yes
119	floss silk tree	Ceiba speciosa	18.2	30	18 x 25	C+	C+	No
120	Canary Island pine	Pinus canariensis	26	60	25 x 18	Α	B-	No
121	paperbark	Melaleuca quinquenervia	4, 6.5, 8	20	15 x 15	А	B+	No
122	paperbark	Melaleuca quinquenervia	13, 14.5	20	20 x 15	Α	B+	No
123	Indian laurel fig	Ficus microcarpa	25	25	36 x 30	Α	В	No
124	floss silk tree	Ceiba speciosa	12	30	15 x 15	Α	B+	No
125	floss silk tree	Ceiba speciosa	8	15	12 x 6	В	B-	No
126	floss silk tree	Ceiba speciosa	9.5	20	15 x 15	Α	B+	No
127	floss silk tree	Ceiba speciosa	14	15	15 x 20	C-	D	No
128	weeping fig	Ficus microcarpa	21 at 2'	20	30 x 20	B+	В	No
129	weeping fig	Ficus microcarpa	14.5 at 2'	25	25 x 25	B+	В	No
130	weeping fig	Ficus microcarpa	6.5, 8.5, 9 at 4'	25	20 x 20	B+	В	No



Tree #	Common Name	Botanical Name	Diameter at 4.5 feet (dbh) (inches)	Height (feet)	Canopy Spread NS x EW (feet)	Health	Structure	Suitability for Relocation
131	weeping fig	Ficus microcarpa	10 at 4'	20	18 x 12	B+	B+	No
132	weeping fig	Ficus microcarpa	3, 4, 4.5, 7, 7.5	15	23 x 15	B+	B+	No
133	weeping fig	Ficus microcarpa	2.5, 5	15	12 x 10	B+	В	No
134	weeping fig	Ficus microcarpa	15 at 4'	20	30 x 15	B+	В	No
135	weeping fig	Ficus microcarpa	21 at 2'	25	30 x 15	B+	В	No
136	weeping fig	Ficus microcarpa	15.5 at 2'	25	18 x 20	B+	В	No
137	weeping fig	Ficus microcarpa	7	20	20 x 10	B+	В	No
138	weeping fig	Ficus microcarpa	3.5, 7.5	25	30 x 15	B+	В	No
139	weeping fig	Ficus microcarpa	11	25	25 x 25	B+	В	No
140	Fraser photinia	Photinia x fraseri	1, 2, 2	20	10 x 10	С	C-	No
141	blackwood acacia	Acacia melanoxylon	14, 20	20	45 x 35	С	C-	No
142	floss silk tree	Ceiba speciosa	7	25	10 x 10	D	D	No
143	Brisbane box	Lophostemon confertus	13.5	40	15 x 15	C-	C-	No
144	Canary Island date palm	Phoenix canariensis	BT 2'	15	15 x 20	Α	Α	Yes
145	weeping fig	Ficus microcarpa	11 at base	20	18 x 15	B+	B-	No
146	lemon bottlebrush	Callistemon citrinus	9.5 at 1'	10	15 x 15	В	В	No
147	lemon bottlebrush	Callistemon citrinus	4, 4, 6	10	15 x 15	В	В	No
148	lemon bottlebrush	Callistemon citrinus	4.5	10	15 x 15	В	В	No
149	lemon bottlebrush	Callistemon citrinus	3, 3, 3, 3	10	18 x 15	В	В	No
150	lemon bottlebrush	Callistemon citrinus	3, 4	10	18 x 15	В	В	No
151	blackwood acacia	Acacia melanoxylon	2.5, 2.5	8	15 x 10	С	D	No
152	Brazilian pepper	Schinus terebinthifolius	4.5 at 4'	10	10 x 10	B+	С	No



Tree #	Common Name	Botanical Name	Diameter at 4.5 feet (dbh) (inches)	Height (feet)	Canopy Spread NS x EW (feet)	Health	Structure	Suitability for Relocation
153	blackwood acacia	Acacia melanoxylon	4, 4.5, 5, 5.5	15	20 x 20	С	С	No
154	blackwood acacia	Acacia melanoxylon	4.5, 5.5	10	15 x 15	A-	C-	No
155	golden wreath wattle	Acacia saligna	4, 4, 4, 4.5, 4.5, 6	20	25 x 25	А	В	No
156	lemon bottlebrush	Callistemon citrinus	4, 4, 4.5	10	15 x 12	В	В	No
157	lemon bottlebrush	Callistemon citrinus	3	10	15 x 12	В	В	No
158	lemon bottlebrush	Callistemon citrinus	2, 2	10	15 x 12	В	В	No
159	lemon bottlebrush	Callistemon citrinus	2, 3	10	15 x 12	В	В	No
160	lemon bottlebrush	Callistemon citrinus	3, 3.5, 5	10	19 x 10	В	В	No
161	lemon bottlebrush	Callistemon citrinus	8 at 4'	10	19 x 10	В	В	No
162	lemon bottlebrush	Callistemon citrinus	2.5, 3.5	10	10 x 10	С	B-	No
163	lemon bottlebrush	Callistemon citrinus	1, 1, 1, 3	10	10 x 10	С	B-	No
164	lemon bottlebrush	Callistemon citrinus	5	10	5 x 0	D	D	No
165	lemon bottlebrush	Callistemon citrinus	2.5, 4.5	10	15 x 10	В	В	No
166	lemon bottlebrush	Callistemon citrinus	4	10	15 x 10	С	B-	No
167	golden wreath wattle	Acacia saligna	3.5, 5, 5	15	25 x 18	C+	С	No
168	golden wreath wattle	Acacia saligna	3, 4, 5, 5, 5	15	30 x 20	B-	C+	No
169	golden wreath wattle	Acacia saligna	4.5, 4.5, 5 at 2'	15	15 x 20	В	В	No
170	lemon bottlebrush	Callistemon citrinus	3.5	10	10 x 10	B-	C+	No
171	lemon bottlebrush	Callistemon citrinus	2, 2, 3, 3	10	18 x 12	В	С	No
172	lemon bottlebrush	Callistemon citrinus	3, 3, 3.5	10	18 x 12	В	С	No
173	lemon bottlebrush	Callistemon citrinus	1, 4	10	18 x 12	C-	С	No
174	lemon bottlebrush	Callistemon citrinus	1, 1, 2.5, 3, 3	10	10 x 10	C-	C-	No



Tree #	Common Name	Botanical Name	Diameter at 4.5 feet (dbh) (inches)	Height (feet)	Canopy Spread NS x EW (feet)	Health	Structure	Suitability for Relocation
175	lemon bottlebrush	Callistemon citrinus	1.5, 3	10	10 x 10	C-	C-	No
176	Canary Island date palm	Phoenix canariensis	BT 2'	15	20x 20	Α	Α	Yes
177	lemon bottlebrush	Callistemon citrinus	5, 5	10	15 x 15	В	A-	No
178	blackwood acacia	Acacia melanoxylon	6, 6, 6.5, 9	8	30 x 25	B+	C-	No
179	lemon bottlebrush	Callistemon citrinus	1, 1, 1, 1	10	15 x 12	В	В	No
180	lemon bottlebrush	Callistemon citrinus	1, 1, 1, 1, 4	10	15 x 12	В	В	No
181	golden wreath wattle	Acacia saligna	6, 7.5 at 2'	15	18 x 15	В	B+	No
182	aleppo pine	Pinus halepensis	26	50	45 x 35	B-	B-	No
183	blackwood acacia	Acacia melanoxylon	4, 4.5	20	12 x 15	A-	Α	No
184	aleppo pine	Pinus halepensis	18.5, 19	20	30 x 30	B-	C-	No
185	aleppo pine	Pinus halepensis	22.5	25	30 x 30	В	С	No
186	aleppo pine	Pinus halepensis	16	25	20 x 30	B-	B-	No
187	blackwood acacia	Acacia melanoxylon	4.5	8	15 x 10	С	Α	No
188	aleppo pine	Pinus halepensis	30 at 3'	35	30 x 30	В	B-	No
189	aleppo pine	Pinus halepensis	16	30	25 x 30	В	В	No
190	aleppo pine	Pinus halepensis	16	30	28 x 30	В	B-	No
191	aleppo pine	Pinus halepensis	17.5	30	20 x 20	В	B-	No
192	lemon bottlebrush	Callistemon citrinus	2, 3, 3	10	10 x 10	B-	В	No
193	lemon bottlebrush	Callistemon citrinus	2, 2, 2, 2, 2	10	10 x 10	B-	B-	No
194	lemon bottlebrush	Callistemon citrinus	7 at 3'	10	10 x 10	B-	B-	No
195	lemon bottlebrush	Callistemon citrinus	3, 4, 4	10	10 x 12	B-	B-	No
196	Canary Island pine	Pinus canariensis	9.5	20	15 x 12	A-	B-	No



Tree #	Common Name	Botanical Name	Diameter at 4.5 feet (dbh) (inches)	Height (feet)	Canopy Spread NS x EW (feet)	Health	Structure	Suitability for Relocation
197	lemon bottlebrush	Callistemon citrinus	2, 2, 3, 3, 5	10	10 x 10	A-	В	No
198	lemon bottlebrush	Callistemon citrinus	1, 1, 1, 1	8	8 x 6	A-	В	No
199	aleppo pine	Pinus halepensis	23 at 3'	25	25 x 30	B+	B-	No
200	aleppo pine	Pinus halepensis	14	25	15 x 20	А	B-	No
201	aleppo pine	Pinus halepensis	20	30	25 x 25	А	B-	No
202	aleppo pine	Pinus halepensis	18.5	25	35 x 30	A-	B-	No
203	aleppo pine	Pinus halepensis	13.5	35	15 x 15	A-	B-	No
204	aleppo pine	Pinus halepensis	16	40	25 x 20	A-	В	No
205	lemon bottlebrush	Callistemon citrinus	1, 1, 1, 3, 3.5	10	hedge	Α	В	No
206	lemon bottlebrush	Callistemon citrinus	3, 3, 3	10	hedge	А	В	No
207	lemon bottlebrush	Callistemon citrinus	2, 3, 4, 4	10	hedge	А	В	No
208	lemon bottlebrush	Callistemon citrinus	1, 1, 3, 3	10	hedge	А	В	No
209	lemon bottlebrush	Callistemon citrinus	3, 3, 5	10	hedge	А	В	No
210	lemon bottlebrush	Callistemon citrinus	3, 4.5	10	hedge	А	В	No
211	lemon bottlebrush	Callistemon citrinus	3, 4, 4.5	10	hedge	Α	В	No
212	lemon bottlebrush	Callistemon citrinus	1, 1	10	hedge	А	В	No
213	lemon bottlebrush	Callistemon citrinus	2, 5	10	hedge	А	В	No
214	lemon bottlebrush	Callistemon citrinus	3, 3, 3, 4, 5	10	hedge	А	В	No
215	lemon bottlebrush	Callistemon citrinus	3	10	hedge	А	В	No
216	lemon bottlebrush	Callistemon citrinus	3, 6	10	hedge	А	В	No
217	lemon bottlebrush	Callistemon citrinus	2, 2	10	hedge	Α	В	No
218	lemon bottlebrush	Callistemon citrinus	4.5, 5, 6	10	hedge	А	В	No



Tree #	Common Name	Botanical Name	Diameter at 4.5 feet (dbh) (inches)	Height (feet)	Canopy Spread NS x EW (feet)	Health	Structure	Suitability for Relocation
219	lemon bottlebrush	Callistemon citrinus	3.5, 7	10	hedge	Α	В	No
220	lemon bottlebrush	Callistemon citrinus	8	10	hedge	Α	В	No
221	lemon bottlebrush	Callistemon citrinus	3, 6	10	hedge	А	В	No
222	lemon bottlebrush	Callistemon citrinus	2	10	hedge	А	В	No
223	lemon bottlebrush	Callistemon citrinus	3, 3.5	10	hedge	А	В	No
224	Brazilian pepper	Schinus terebinthifolius	4	15	6 x 6	А	В	No
225	Brazilian pepper	Schinus terebinthifolius	6.5	15	15 x 15	А	В	No
226	spider gum	Eucalyptus conferruminata	10, 10	15	20 x 25	B-	С	No
227	lemon bottlebrush	Callistemon citrinus	2, 2, 2	10	hedge	А	В	No
228	lemon bottlebrush	Callistemon citrinus	3.5, 8	10	hedge	А	В	No

Note: * = Because palms do not typically increase in trunk diameter as they mature, they are measured in 'Brown Trunk Height', the distance between grade and the base of the newest emerging spear.

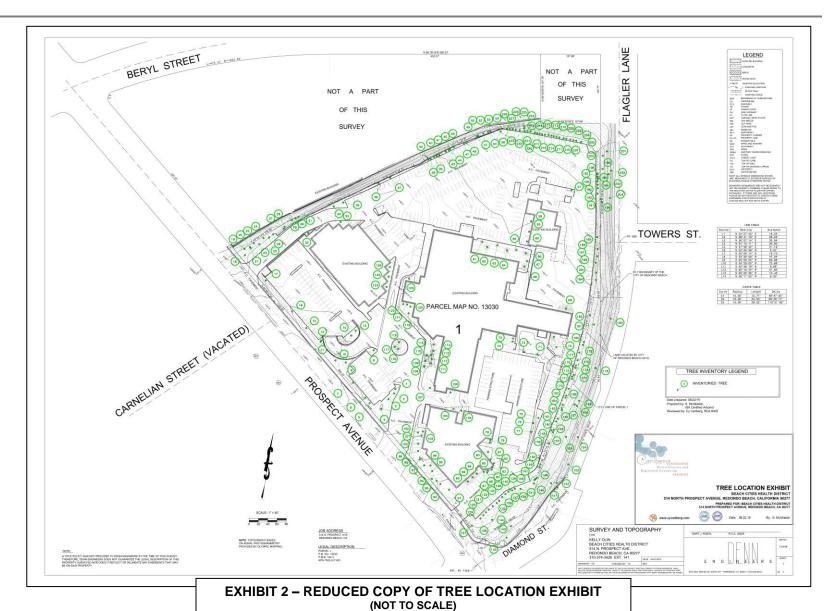






EXHIBIT 1 – AERIAL IMAGE OF BEACH CITIES HEALTH DISTRICT (PROPERTY BOUNDARY IS FOR ILLUSTRATIVE PURPOSES ONLY)
SOURCE: GOOGLE EARTH





Carlberg_{ASSOCIATES}



Tree 1



Tree 4



Tree 2



Tree 5



Tree 3



Tree 6





Tree 7



Tree 10



Tree 8



Tree 11(R) - 12(L)

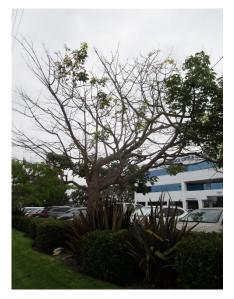


Tree 9



Tree 13(R) - 14(L)





Tree 15



Tree 18



Tree 16



Tree 19



Tree 17



Tree 20(L) - 21(R)



Carlberg_{ASSOCIATES}



Tree 22



Tree 25(L) - 26(R)



Tree 23



Tree 27(L) - 28(R)



Tree 24



Tree 29







Tree 33



Tree 31



Tree 34



Tree 32



Tree 35





Tree 36



Tree 42



Tree 37



Tree 43(L) - 45(R)



Tree 38(L) - 41(R)



Tree 46





Tree 47(L) - 48(R)



Tree 54



Tree 49(L) - 50(R)



Tree 55(L) - 56(R)



Tree 51(L) - 53(R)



Tree 57





Tree 58(L) - 60(R)



Tree 63



Tree 61



Tree 64



Tree 62



Tree 65



Carlberg_{ASSOCIATES}



Tree 66



Tree 69



Tree 67



Tree 70



Tree 68



Tree 71





Tree 72



Tree 76



Tree 73(R) - 74(L)



Tree 77



Tree 75



Tree 78





Tree 79



Tree 83(R) - 84(L)



Tree 80



Tree 85(R) - 86(L)



Tree 81(R) - 82(L)



Tree 87





Tree 88(R) - 90(L)



Tree 95(R) - 96(L)



Tree 91(R) - 92(L)



Tree 97



Tree 93(R) - 94(L)



Tree 98





Tree 99



Tree 103



Tree 100



Tree 104(L) - 105(R)



Tree 101(R) - 102(L)



Tree 106





Tree 107



Tree 116(R) - 118(L)



Tree 108(R) - 110(L)



Tree 119(R) - 122(L)



Tree 111(R) - 115(L)



Tree 123





Tree 124(L) - 126(R)



Tree 133



Tree 127



Tree 134



Tree 128(R) - 132(L)



Tree 135





Tree 136



Tree 139



Tree 137



Tree 140



Tree 138



Tree 141





Tree 142



Tree 145



Tree 143



Tree 146(L) - 148(R)



Tree 144



Tree 149(L) - 150(R)









Tree 157(L) - 159(R)



Tree 165(L) - 166(R)



Tree 160(L) - 161(R)



Tree 167(L) - 169(R)



Tree 162(L) - 164(R)



Tree 170





Tree 171(L) - 173(R)



Tree 177



Tree 174(L) - 175(R)



Tree 178



Tree 176



Tree 179(L) - 180(R)





Tree 181



Tree 184



Tree 182



Tree 185



Tree 183



Tree 186





Tree 187



Tree 190(L) - 191(R)



Tree 188



Tree 192(L) - 204(R)



Tree 189



Tree 205(L) - 228(R)





HEALTH AND STRUCTURE GRADE DEFINITIONS

Health and structure ratings of the trees are based on the archetype tree of the same species through a subjective evaluation of its physiological health, aesthetic quality, and structural integrity.

Overall physiological condition (health) and structural condition were rated A-F:

Health

- A. Outstanding Exceptional trees of good growth form and vigor for their age class; exhibiting very good to excellent health as evidenced by normal to exceptional shoot growth during current season, good bud development and leaf color, lack of leaf, twig or branch dieback throughout the crown, and the absence of decay, bleeding, or cankers. Common leaf and/or twig pests may be noted at very minor levels.
- B. Above average Good to very good trees that exhibit minor necrotic or physiological symptoms of stress and/or disease; shoot growth is less than reasonably expected, leaf color is less than optimal in some areas, the crown may be thinning, minor levels of leaf, twig, and branch dieback may be present, and minor areas of decay, bleeding, or cankers may be manifesting. Minor amounts of epicormic growth may be present. Minor amounts of fire damage or mechanical damage may be present. Still healthy, but with moderately diminished vigor and vitality. No significant decline noted.
- C. Average Average, moderately good trees whose growth habit and physiological or fire-induced symptoms indicate an equal chance to either decline or continue with good health into the near future. Most of these trees exhibit moderate to significant small deadwood in outer crown areas, decreased shoot growth and diminished leaf color and mass. Some stem and branch dieback is usually present and epicormic growth may be moderate to extensive. Cavities, pockets of decay, relatively significant fire damage, bark exfoliation, or cracks may be present. Moderate to significant amounts of insect or disease symptoms may be present; the tree may be shaded or crowded in such a way that it is expected to negatively impact the lifespan of the tree. Tree may be in early decline.
- D. Below Average/Poor trees whose growth habit and physiological or fire-induced symptoms indicate significant, irreversible decline. Most of these trees exhibit significant dieback of wood in the crown, possibly accompanied by significant epicormic sprouting. Shoot growth and leaf color and mass is either significantly diminished or nonexistent throughout the crown. Cavities, pockets of decay, significant fire damage, bark exfoliation, and/or cracks may be present. Significant amounts of insect or disease symptoms may be present; the tree may be shaded or crowded in such a way that it has negatively impacted the lifespan of the tree. Tree appears to be in irreversible decline.
- F. Dead or in spiral of decline this tree exhibits very little to no signs of life.

<u>Structure</u>

A. Outstanding – Trees with outstanding structure for their species exhibit trunk and branch arrangement and orientation that result in a sturdy form or architecture that resists failure under normal circumstances. The spacing, orientation, and size of the branches relative to the trunk are quintessential for the species and free from defects. No outward sign of decay or





- pathological disease is present. Some trees exhibit naturally inherent branching defects, like multiple, narrow points of attachment from one point on the trunk, which would preclude them from achieving an "A" grade.
- B. Above average Trees with good to very good structure for their species. They exhibit trunk and branch arrangement and orientation that result in a relatively sturdy form or architecture that resists failure under normal circumstances, but may have some mechanical damage, over-pruning, or other minor structural defects. The spacing, orientation, and size of the branches relative to the trunk are still in the normal range for the species, but they exhibit a minor degree of defects. Minor, sub-critical levels of decay or pathological disease may be present, but the degree of damage is not yet structurally significant. Trees that exhibit naturally inherent branching defects, like multiple, narrow points of attachment from one point on the trunk, would generally fall in to this category. A small percentage of the canopy may be shaded or crowded, but not in such a way that it is expected to negatively impact the structural integrity or lifespan of the tree.
- C. Average Trees with moderately good structure for their species, but with obvious defects. They exhibit trunk and branch arrangement and orientation that result in a less than sturdy form or architecture, which reduces their resistance to failure under normal circumstances. Moderate levels of mechanical damage, over-pruning, or other structural defects may be present. The spacing, orientation, and size of some of the branches relative to the trunk are not in the normal range for the species. Moderate to significant levels of decay or pathological disease may be present that increase the likelihood of structural instability. Influences such as an excessive trunk lean, slope erosion, root pruning, or other growth-inhibiting factors may be present. A moderate to significant percentage of the canopy may be shaded or crowded in such a way that it is expected to negatively impact the structural integrity or lifespan of the tree. Risk of full or partial failure in the near future appears to be moderately elevated.
- D. Well Below Average/Poor Trees poor structure for their species and with obvious defects. They exhibit trunk and branch arrangement and orientation that result in a significantly less than sturdy form or architecture, significantly reducing their resistance to failure under normal circumstances. Significant levels of mechanical damage, over-pruning, or other structural defects may be present. The spacing, orientation, and size of many of the branches relative to the trunk are not in the normal range for the species. Significant levels of decay or pathological disease may be present that increase the likelihood of structural instability. Influences such as an excessive trunk lean, slope erosion, root pruning, or other growth-inhibiting factors may be present. A significant percentage of the canopy may be shaded or crowded in such a way that it is expected to negatively impact the structural integrity or lifespan of the tree. Risk of full or partial failure in the near future appears to be advanced.
- F. Severely Compromised trees with very poor structure and numerous or severe defects due to growing conditions, historical or recent pruning, mechanical damage, history of limb or trunk failures, advanced and irreparable decay, disease, or severe fire damage. Trees with this rating are in severe, irreparable decline, or are barely alive. Risk of full or partial failures in the near future may be severe.





ARBORIST DISCLOSURE STATEMENT

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 or disregard the recommendations of the arborist, or to seek additional advice.

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. Conditions are often hidden within trees and below ground. Arborists cannot guarantee that a tree will be healthy or safe under all circumstances, or for a specified period of time. Likewise, remedial treatments, like any medicine, cannot be guaranteed.

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, disputes between neighbors, and other issues. Arborists cannot take such considerations into account unless complete and accurate information is disclosed to the arborist. An arborist should then be expected to reasonably rely upon the completeness and accuracy of the information provided.

Trees contribute greatly to our enjoyment and appreciation of life. Nonetheless, they are subject to the laws of gravity and physiological decline. Therefore, neither arborists nor tree owners can be reasonably expected to warrant unfailing predictability or elimination of risk.

Trees can be managed, but they cannot be controlled. To live near trees is to accept some degree of risk. The only way to eliminate all risk associated with trees is to eliminate all trees.

Risk assessments were neither requested nor performed on any of the trees for this project.





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B.S., Landscape Architecture, California State Polytechnic University, Pomona, 1985 Education

Graduate, Arboricultural Consulting Academy, American Society of Consulting Arborists, Chicago, Illinois,

Graduate, Municipal Forestry Institute, Lied, Nebraska, 2012

Experience Consulting Arborist, Carlberg Associates, 1998-present

Manager of Grounds Services, California Institute of Technology, Pasadena, 1992-1998

Director of Grounds, Scripps College, Claremont, 1988-1992

Certified Arborist (#WE-0575A), International Society of Arboriculture, 1990 Certificates

Registered Consulting Arborist (#405), American Society of Consulting Arborists, 2002

Certified Urban Forester (#013), California Urban Forests Council, 2004 Qualified Tree Risk Assessor, International Society of Arboriculture, 2011

AREAS OF EXPERTISE

Ms. Carlberg is experienced in the following areas of tree management and preservation:

- Tree health and risk assessment
- Master Planning
- Historic landscape assessments, preservation plans, reports
- Tree inventories and reports to satisfy jurisdictional requirements
- **Expert Testimony**
- Post-fire assessment, valuation, and mitigation for trees and native plant communities
- Value assessments for native and non-native trees
- Pest and disease identification
- Guidelines for oak preservation
- Selection of appropriate tree species
- Planting, pruning, and maintenance specifications
- Tree and landscape resource mapping GPS, GIS, and AutoCAD
- Planning Commission, City Council, and community meetings representation

PREVIOUS CONSULTING EXPERIENCE

Ms. Carlberg has overseen residential and commercial construction projects to prevent damage to protected and specimen trees. She has thirty-five years of experience in arboriculture and horticulture and has performed tree health evaluation, value and risk assessment, and expert testimony for private clients, government agencies, cities, school districts, and colleges. Representative clients include:

The Huntington Library and Botanical Gardens The Los Angeles Zoo and Botanical Gardens

The Rose Bowl and Brookside Golf Course, Pasadena

Walt Disney Concert Hall and Gardens The Art Center College of Design, Pasadena

Pepperdine University Loyola Marymount University

The Claremont Colleges (Pomona, Scripps, CMC, Harvey Mudd, Claremont Graduate University, Pitzer, Claremont University Center)

Quinn, Emanuel, Urquhart and Sullivan (attorneys at law)

Getty Trust - Eames House

Historic Resources Group

The City of Claremont The City of Beverly Hills The City of Pasadena The City of Los Angeles The City of Santa Monica

Santa Monica/Malibu Unified School District

San Diego Gas & Electric

Los Angeles Department of Water and Power Rancho Santa Ana Botanic Garden, Claremont Latham & Watkins, LLP (attorneys at law)

Architectural Resources Group

AHBE Landscape Architects

Moule and Polyzoides, Architects and Urbanists

AFFILIATIONS

Ms. Carlberg serves with the following national, state, and community professional organizations:

- California Urban Forests Council, Board Member, 1995-2006
- Street Tree Seminar, Past President, 2000-present
- American Society of Consulting Arborists Academy, Faculty Member, 2003-2005; 2014
- American Society of Consulting Arborists, Board of Directors, 2013-2015
- Member, Los Angeles Oak Woodland Habitat Conservation Strategic Alliance, 2010-present





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Education B.A., Environmental Studies, University of California, Santa Barbara, 2000

<u>Experience</u> Project Planner & Senior Arborist, Land Design Consultants, Inc.

Pasadena, 1999 - 2014

<u>Certificates</u> Certified Arborist, WE-7011A, International Society of Arboriculture, 2004

Qualified Tree Risk Assessor, International Society of Arboriculture, 2015

AREAS OF EXPERTISE

Mr. McAllaster is experienced in the following areas of tree management and preservation:

- Tree health & risk assessments
- Inventories & reports for native and non-native trees
- Master planning
- Evaluation of trees for preservation, encroachment, relocation, restoration, and hazards
- Construction monitoring and reporting
- Value assessments (appraisals) for native and non-native trees
- Post-fire inventories, assessments, and valuations for native and non-native trees
- Guidelines for tree preservation, planting, pruning and maintenance specifications
- Tree and landscape resource mapping GPS, GIS, and AutoCAD
- Planning Commission, City Council, and community meetings representation
- Review of landscape plans for mitigation compliance & fire fuel modification planning
- Performance of long-term mitigation compliance monitoring & reporting

PREVIOUS CONSULTING EXPERIENCE

Mr. McAllaster has performed hundreds of tree inventories, health evaluations, impact analyses, hazard, and value assessments for counties, cities, sanitation districts, and water districts, as well as private developers, architects, engineers, and homeowners. He has over 13 years of experience in arboriculture and is trained in environmental planning, state and federal regulatory permitting, preparation of CEQA analyses, and habitat mitigation planning and implementation. Representative clients include:

City of Pasadena City of Santa Clarita

City of Glendora Los Angeles County Fire Department

Los Angeles County Sanitation Districts Newhall County Water District

Pulte/Centex Homes Newhall Land and Farming E & S Ring, Inc.

Hollywood Forever Cemetery Archdiocese of Los Angeles St. John's Hospital, Santa Monica

Kovac Architects

Tim Barber, Ltd., Architects

Ojai Valley Community Hospital

The Kibo Group

El Monte Garden Senior Center

IMT Capital, LLC

San Diego Gas & Electric Corky McMillin Companies

City of South Gate City of Arcadia D2 Development Burrtec, Inc.

The Claremont Colleges
The New Home Company
William Carey University
Claremont Golf Course
Universal Hilton
Gensler Architects

Marmol Radziner, Architects

NAC Architecture

Aurora/Signature Health Services Monte Vista Grove Homes Highpointe Communities Claremont University Center

AFFILIATIONS

Mr. McAllaster serves with the following national and regional professional organizations:

- Member, International Society of Arboriculture, Western Chapter
- Member, Street Tree Seminar, Inc.





INSERT FULL-SIZE COPY OF TREE LOCATION EXHIBIT (30" X 42")