Tree Resource Evaluation for The Continuum, Miami Beach

Prepared for:

ArquitectonicaGeo 2900 Oak Avenue Miami, FL 33133

Prepared by:

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Summary

I performed a tree resource evaluation of trees and palms on the property known as the Continuum in Miami Beach on May 9, 2018. The location of these trees and palms can be found in Appendix B.

The evaluation in Appendix A includes tree and palm measurements, and condition rating.

I rate trees and palms in accordance with ANSI A300 (Part 5) – 2005, Annex A, Management Report Information. Trees are rated Good, Moderate or Poor, see Appendix C. I recommend the removal of trees or palms that I rate as Poor.

I also followed the Levels and Scope of Tree Risk Assessment from the ANSI A300 Part 9- 2017: Levels of tree risk assessment; Level 1 limited visual tree risk assessment, Level 2 basic tree risk assessment, and Level 3 advanced tree risk assessment. The scope of this report/evaluation was limited to a Level 2 Assessment for all trees onsite.

To perform all measurements, I used a forestry diameter measuring tape and a measuring wheel. I rounded-off to the nearest inch when measuring trunk diameter, heights and canopy diameters are approximate. Canopy diameters are measured in one direction.

Any trees that are to remain should have their canopies cleared of dead wood and hazardous branches by a certified arborist.

Observations

All of the palms on this site still show some signs of damage from hurricane Irma however they all appear to be over-pruned (removal of green fronds) causing nutrient deficiencies.

The date palms growing in the round containers have flowering impatiens planted around their trunks. Most if not all of the root balls on these palms have been cut to accommodate the flowering plants. This practice of cutting the roots exposes these palms to virulent fungal pathogens. Many of the palms onsite have holes from previous injections that are oozing. These holes will never heal and can be entry points for pathogens that may eventually cause the trunk to fail. I do not recommend the relocation of any palms that have holes in their trunks.

There are a number of trees with stakes nailed directly into their trunks. This is not an acceptable Best Management Practice and is not permitted by the ANSI A-300 Standards. These trees should be removed.

Most of the trees on this site are in need of structural pruning to reduce overextended branches. I advise that any new trees to be installed receive formative pruning upon installation to improve long term branch structure.

Photos below

The color and brightness on some photos has been adjusted to provide contrast and clarity to the subject matter. This follows the Basic section on Enhancement Techniques found in Section 11, Best Practices for Documenting Image Enhancement in a document produced by SWGIT Scientific Working Group Imaging Technology, <u>www.SWGIT.org</u>.



Photo 1 above is palms 1, 3, 4, & 5 and pandanas 2viewed from the south. Palm 5 is in poor condition. All of the palms on this site appear to be over-pruned causing nutrient deficiencies.



Photo 2 above is a closer view of pandanas 2.



Photo 3 above is palms 7 & 8. They are over-pruned and growing in a too dark situation.



Photo 4 above is palms 9, 10 & 15.



Photo 5 above is palms 16 & 17 with beautyleafs 20 through 24 in the back.



Photo 6 above is palms 18 & 19 with beautyleafs 24 through 31 in the back.



Photo 7 above is beautyleafs 21 & 22 with stakes nailed directly into their trunks. This is not an acceptable practice. These trees should be removed.



Photo 8 above is tree 25 with a large crack at the base of the trunk. The stakes are also nailed to the tree. This tree should be removed.



Photo 9 above is the trunks of trees 29 through 30.



Photo 10 above is palm 32.



Photo 11 above is palm 33.



Photo 12 above is palms 35 & 36.



Photo 13 above is palms 37 through 41.



Photo 14 above is palms 42 through 45. All of the palms on this property are over-pruned.



Photo 15 above is trees 46, 47 & 48. Most of the trees on this site are in need of structural pruning.



Photo 16 above is palm 53.



Photo 17 above is palm 54.



Photo 18 above is palm 55.



Photo 19 above is palms 56 & 57.



Photo 20 above is coconut palms 58, 59 & 60.



Photo 21 above is palms 61 through 63. Many of the palms onsite have holes from previous injections that are oozing. These holes will never heal and can be entry points for pathogens that can eventually cause the trunk to fail. I do not recommend the relocation of any palms that have holes in their trunks.



Photo 22 above is pandanas 64 and palms 66 through 69. Many of the palms onsite have holes from previous injections that are oozing. These holes will never heal and can be entry points for pathogens that can eventually cause the trunk to fail. I do not recommend the relocation of any palms that have holes in their trunks.



Photo 23 above is double-trunked palm 71.



Photo 24 above is palms 70, 72 & 73.



Photo 25 above is palms 74 through 77.



Photo 26 above is palms 77, 78, 80, 81 & 82.



Photo 27 above is palms 83 through 86.



Photo 28 above is palms 86 through 91.



Photo 29 above is palms 90 through 94.



Photo 30 above is palms 94 through 97.



Photo 31 above is palms 98 through 101. The date palms growing in the round containers have flowering impatiens planted around their trunks. Most if not all of the root balls on these palms have been cut to accommodate the flowering plants. This practice of cutting the roots exposes these palms to virulent fungal pathogens.



Photo 32 above is palms 102 through 104. The date palms growing in the round containers have flowering impatiens planted around their trunks. Most if not all of the root balls on these palms have been cut to accommodate the flowering plants. This practice of cutting the roots exposes these palms to virulent fungal pathogens.



Photo 33 above is the head of palm 104. This palm appears to be dying.



Photo 34 above is palms 105 & 106.



Photo 35 above is palms 107 & 108.


Photo 36 above is green buttonwood trees 109 & 110 viewed from the north.



Photo 37 above is green buttonwood trees 111 & 112. These trees were difficult to assess and measure as the foliage was very dense and they are over-grown. These trees should be structurally pruned.



Photo 38 above is green buttonwood trees 109 through 113. These trees were difficult to assess and measure as the foliage was very dense and they are overgrown. These trees should be structurally pruned.



Photo 39 above is green buttonwood trees 115 & 116. These trees were difficult to assess and measure as the foliage was very dense and they are over-grown. These trees should be structurally pruned.



Photo 40 above is green buttonwood trees 1117 & 118. These trees were difficult to assess and measure as the foliage was very dense and they are overgrown. These trees should be structurally pruned.



Photo 41 above is mahogany tree 119 that needs to be structurally pruned and palms 120 through 124.



Photo 42 above is palms 122 through 127.



Photo 43 above is palms 129 through 132. The date palms growing in the round containers have flowering impatiens planted around their trunks. Most if not all of the root balls on these palms have been cut to accommodate the flowering plants. This practice of cutting the roots exposes these palms to virulent fungal pathogens.



Photo 44 above is palms 132 through 134. The date palms growing in the round containers have flowering impatiens planted around their trunks. Most if not all of the root balls on these palms have been cut to accommodate the flowering plants. This practice of cutting the roots exposes these palms to virulent fungal pathogens.



Photo 45 above is palms 135, 136 & 137.



Photo 46 above is palms 138 through 141.



Photo 47 above is nutrient deficient palm 141. This palm should be removed



Photo 48 above is palms 142 through 147.



Photo 49 above is palms 151 through 153. I did not assess any cycads but they all appeared to be in good condition.



Photo 50 above is palms 154 through 157. The date palms growing in the round containers have flowering impatiens planted around their trunks. Most if not all of the root balls on these palms have been cut to accommodate the flowering plants. This practice of cutting the roots exposes these palms to virulent fungal pathogens.



Photo 51 above is palms 157 through 159. The date palms growing in the round containers have flowering impatiens planted around their trunks. Most if not all of the root balls on these palms have been cut to accommodate the flowering plants. This practice of cutting the roots exposes these palms to virulent fungal pathogens.



Photo 52 above is palms 158 & 159.



Photo 53 is palms 160 through 163.



Photo 54 above is palms 163 through 167.



Photo 55 above is palms 168 through 173.



Photo 56 above is palm 174.



Photo 57 above is palms 175 through 177.



Photo 58 above is palms 178 through 180.



Photo 59 above is palms 181 through 183.



Photo 60 above is pandanas 184.



Photo 61 above is palms 185 & 186. The date palms growing in the round containers have flowering impatiens planted around their trunks. Most if not all of the root balls on these palms have been cut to accommodate the flowering plants. This practice of cutting the roots exposes these palms to virulent fungal pathogens.



Photo 62 above is palms 187 through 190. The date palms growing in the round containers have flowering impatiens planted around their trunks. Most if not all of the root balls on these palms have been cut to accommodate the flowering plants. This practice of cutting the roots exposes these palms to virulent fungal pathogens.



Photo 63 above is palms 189 & 190. The date palms growing in the round containers have flowering impatiens planted around their trunks. Most if not all of the root balls on these palms have been cut to accommodate the flowering plants. This practice of cutting the roots exposes these palms to virulent fungal pathogens.



Photo 64 above is palm 191.



Photo 65 above is palms 912 through 197.



Photo 66 is palms 200 through 209.



Photo 67 above is palms 209 through 211.

<u>Appendix – A</u>

1 Dh	oenix dactylifera						
т ГП	loenix daetymera	Date palm	19"	35'	22'	Good	5'
2 Pa	andanas utilis	Screw pine	15"	30'	25'	Good	4'
3 Co	ocos nucifera	Coconut palm	11"	30'	12'	Moderate	4'
4 Co	ocos nucifera	Coconut palm	7"	20'	18'	Moderate	4'
5 Co	ocos nucifera	Coconut palm	9"	25'	12'	Poor	
6 Th	nrinax radiata	Florida thatch palm	4"	20'	4'	Moderate	3'
7 Th	nrinax radiata	Florida thatch palm	4"	5'	2'	Moderate	3'
8 Th	nrinax radiata	Florida thatch palm	4"	5'	2'	Moderate	3'
9 Th	nrinax radiata	Florida thatch palm	6"	10'	10'	Good	3'
10 Th	nrinax radiata	Florida thatch palm	6"	10'	10'	Good	3'
11 Th	nrinax radiata	Florida thatch palm	4"	5'	2'	Good	3'
12 Th	nrinax radiata	Florida thatch palm	4"	5'	2'	Good	3'
13 Th	nrinax radiata	Florida thatch palm	3"	7'	2'	Moderate	3'
14 Co	ocos nucifera	Coconut palm	9"	25'	10'	Moderate	5'
15 Co	ocothrinax species		4"	7'	6'	Good	3'
16 Ph	noenix dactylifera	Date palm	18"	35'	25'	Good	5'
17 Ph	noenix dactylifera	Date palm	18"	35'	25'	Good	5'
18 Ph	noenix dactylifera	Date palm	17"	30'	28'	Good	5'
19 Ph	noenix dactylifera	Date palm	15"				
20 Ca	alophyllum brasiliense	Brazilian beautyleaf	7"	25'	20'	Poor	
21 Ca	alophyllum brasiliense	Brazilian beautyleaf	6"	25'	20'	Poor	
22 Ca	alophyllum brasiliense	Brazilian beautyleaf	4"	20'	10'	Poor	
23 Th	nrinax radiata	Florida thatch palm	10"	5'	14'	Good	3'
24 Ca	alophyllum brasiliense	Brazilian beautyleaf	8"	25'	25'	Moderate	5'
25 Ca	alophyllum brasiliense	Brazilian beautyleaf	6"	25'	18'	Poor	
26 Ca	alophyllum brasiliense	Brazilian beautyleaf	7"	25'	18'	Moderate	5'
27 Ca	alophyllum brasiliense	Brazilian beautyleaf	7"	25'	18'	Moderate	5'
28 Ca	alophyllum brasiliense	Brazilian beautyleaf	7"	25'	30'	Moderate	5'
29 Ca	alophyllum brasiliense	Brazilian beautyleaf	8"	25'	30'	Moderate	5'
30 Ca	alophyllum brasiliense	Brazilian beautyleaf	8"	25'	30'	Moderate	5'
31 Ca	alophyllum brasiliense	Brazilian beautyleaf	10"	25'	30'	Moderate	5'
32 Co	ocothrinax species		5"	18'	10'	Good	3'
33 Co	ocothrinax species		5"	15'	16'	Good	3'
34 No	ot onsite						
35 Co	ocothrinax species		4"	15'	8'	Good	3'
36 Co	ocos nucifera	Coconut palm	9"	25'	26'	Good	5'
37 Co	ocos nucifera	Coconut palm	8"	25'	28'	Good	5'
38 Co	ocos nucifera	Coconut palm	8"	25'	26'	Good	5'
39 Co	ocos nucifera	Coconut palm	9"	26'	26'	Good	5'

40	Thrinax radiata	Florida thatch palm	5"	12'	12'	Good	3'
41	Phoenix dactylifera	Date palm	17"	40'	28'	Good	6'
42	Phoenix roebelenii	Pygmy date palm	6"	6'	15'	Good	3'
43	Phoenix dactylifera	Date palm	16"	35'	28'	Good	6'
44	Phoenix roebelenii	Pygmy date palm	6"	4'	12'	Moderate	3'
45	Phoenix dactylifera	Date palm	15"	35'	24'	Good	6'
46	Coccoloba diversifolia	Pigeon plum	19"	18'	15'	Good	4'
47	Coccoloba diversifolia	Pigeon plum	9"	18'	18'	Good	4'
48	Coccoloba diversifolia	Pigeon plum	9"	28'	15'	Good	4'
49	Coccoloba diversifolia	Pigeon plum	7"	15'	18'	Good	4'
50	Coccoloba diversifolia	Pigeon plum	7"	25'	18'	Good	4'
51	Coccoloba diversifolia	Pigeon plum	9"	20'	12'	Moderate	4'
52	Coccoloba diversifolia	Pigeon plum	12"	25'	18'	Good	4'
53	Thrinax radiata	Florida thatch palm	5"	10'	15'	Good	3'
54	Thrinax radiata	Florida thatch palm	5"	8'	14'	Good	3'
55	Thrinax radiata	Florida thatch palm	5"	6'	12'	Good	3'
56	Thrinax radiata	Florida thatch palm	5"	10'	8'	Good	3'
57	Thrinax radiata	Florida thatch palm	5"	10'	8'	Good	3'
58	Cocos nucifera	Coconut palm	9"	25'	20'	Moderate	5'
59	Cocos nucifera	Coconut palm	9"	25'	20'	Moderate	5'
60	Cocos nucifera	Coconut palm	9"	30'	18'	Moderate	5'
61	Cocos nucifera	Coconut palm	8"	25'	15'	Good	5'
62	Cocos nucifera	Coconut palm	9"	30'	18'	Good	5'
63	Cocos nucifera	Coconut palm	12"	50'	24'	Good	6'
64	Pandanas utilis	Screw pine	23"	20'	25'	Good	5'
65	Cocos nucifera	Coconut palm	7"	18'	20'	Moderate	5'
66	Phoenix dactylifera	Date palm	15"	35'	18'	Good	5'
67	Cocos nucifera	Coconut palm	9"	25'	28'	Moderate	5'
68	Cocos nucifera	Coconut palm	11"	50'	18'	Moderate	6'
69	Thrinax radiata	Florida thatch palm	8"	6'	18'	Good	3'
70	Phoenix dactylifera	Date palm	16"	35'	20'	Good	6'
71	Thrinax radiata	Florida thatch palm	0	3'	8'	Poor	
72	Thrinax radiata	Florida thatch palm	5"	5'	3'	Good	3'
73	Thrinax radiata	Florida thatch palm	5"	5'	4'	Good	3'
74	Thrinax radiata	Florida thatch palm	3"	8'	3'	Moderate	3'
75	Thrinax radiata	Florida thatch palm	4"	6'	3'	Moderate	3'
76	Cocos nucifera	Coconut palm	8"	18'	26'	Moderate	4'
77	Phoenix dactylifera	Date palm	15"	35'	22'	Good	5'
78	Cocos nucifera	Coconut palm	8"	20'	28'	Moderate	4'
79	Cocos nucifera	Coconut palm	8"	25'	26'	Moderate	5'
80	Cocos nucifera	Coconut palm	8"	20'	24'	Moderate	4'
81	Cocos nucifera	Coconut palm	7"	20'	26'	Moderate	4'

82	Thrinax radiata	Florida thatch palm	5"	4'	8'	Good	3'
83	Thrinax radiata	Florida thatch palm	0	2'	7'	Good	3'
84	Thrinax radiata	Florida thatch palm	5"	3'	10'	Good	3'
85	Phoenix dactylifera	Date palm	14"	20'	18'	Moderate	4'
86	Thrinax radiata	Florida thatch palm	4"	5'	8'	Good	3'
87	Thrinax radiata	Florida thatch palm	4"	5'	10'	Good	3'
88	Thrinax radiata	Florida thatch palm	4"	4'	10'	Good	3'
89	Thrinax radiata	Florida thatch palm	4"	3'	10'	Good	3'
90	Phoenix dactylifera	Date palm	14"	20'	26'	Moderate	4'
91	Thrinax radiata	Florida thatch palm	5"	3'	8'	Good	3'
92	Thrinax radiata	Florida thatch palm	5"	3'	8'	Good	3'
93	Thrinax radiata	Florida thatch palm	5"	2'	8'	Good	3'
94	Thrinax radiata	Florida thatch palm	0	2'	8'	Good	3'
95	Veitchia montgomeryana	Montgomery palm	6"	18'	14'	Good	3'
96	Veitchia montgomeryana	Montgomery palm	5"	15'	14'	Good	3'
97	Veitchia montgomeryana	Montgomery palm	5"	14'	14'	Good	3'
98	Veitchia montgomeryana	Montgomery palm	5"	12'	14'	Good	3'
99	Veitchia montgomeryana	Montgomery palm	6"	14'	16'	Good	3'
100	Veitchia montgomeryana	Montgomery palm	6"	12'	16'	Good	3'
101	Phoenix dactylifera	Date palm	14"	20'	16'	Moderate	4'
102	Phoenix dactylifera	Date palm	16"	22'	16'	Moderate	4'
103	Phoenix dactylifera	Date palm	16"	25'	16'	Moderate	4'
104	Phoenix dactylifera	Date palm	16"	20'	14'	Poor	
105	Phoenix dactylifera	Date palm	14"	20'	14'	Moderate	4'
106	Phoenix dactylifera	Date palm	16"	20'	16'	Moderate	4'
107	Cocos nucifera	Coconut palm	8"	35'	18'	Moderate	5'
108	Cocos nucifera	Coconut palm	6"	14'	18'	Moderate	4'
109	Conocarpus erectus	Green buttonwood	28"	30'	30'	Good	8'
110	Conocarpus erectus	Green buttonwood	19"	40'	30'	Good	8'
111	Conocarpus erectus	Green buttonwood	13"	25'	14'	Poor	
112	Conocarpus erectus	Green buttonwood	22"	40'	35'	Moderate	8'
113	Conocarpus erectus	Green buttonwood	35"	45'	45'	Moderate	8'
114	Conocarpus erectus	Green buttonwood	14"	35'	25'	Moderate	8'
115	Conocarpus erectus	Green buttonwood	22"	45'	45'	Moderate	8'
116	Conocarpus erectus	Green buttonwood	9"	20'	18'	Moderate	6'
117	Conocarpus erectus	Green buttonwood	19"	45'	45'	Moderate	8'
118	Conocarpus erectus	Green buttonwood	14"	35'	40'	Moderate	8'
119	Swietenia mahagoni	Mahogany	11"	25'	18'	Moderate	6'
120	Cocos nucifera	Coconut palm	10"	30'	12'	Moderate	5'
121	Cocos nucifera	Coconut palm	7"	25'	10'	Moderate	5'
122	Cocos nucifera	Coconut palm	8"	20'	8'	Moderate	5'
123	Cocos nucifera	Coconut palm	10"	30'	10'	Moderate	5'

124	Cocos nucifera	Coconut palm	10"	25'	18'	Moderate	5'
125	Sabal palmetto	Sabal palm	9"	20'	8'	Good	3'
126	Sabal palmetto	Sabal palm	11"	18'	10'	Good	3'
127	Sabal palmetto	Sabal palm	8"	20'	12'	Good	3'
128	Sabal palmetto	Sabal palm	9"	25'	14'	Good	3'
129	Phoenix dactylifera	Date palm	15"	20'	16'	Moderate	4'
130	Phoenix dactylifera	Date palm	14"	20'	14'	Moderate	4'
131	Phoenix dactylifera	Date palm	10"	20'	14'	Moderate	4'
132	Phoenix dactylifera	Date palm	12"	20'	14'	Moderate	4'
133	Phoenix dactylifera	Date palm	12"	20'	14'	Moderate	4'
134	Phoenix dactylifera	Date palm	12"	20'	12'	Moderate	4'
135	Cocos nucifera	Coconut palm	10"	12'	24'	Good	5'
136	Cocos nucifera	Coconut palm	8"	14'	26'	Good	5'
137	Cocos nucifera	Coconut palm	10"	14'	28'	Good	5'
138	Cocos nucifera	Coconut palm	9"	10'	28'	Good	5'
139	Cocos nucifera	Coconut palm	9"	8'	10'	Poor	
140	Cocos nucifera	Coconut palm	9"	8'	15'	Moderate	4'
141	Cocos nucifera	Coconut palm	8"	7'	8'	Poor	
142	Phoenix dactylifera	Date palm	14"	25'	16'	Moderate	4'
143	Thrinax radiata	Florida thatch palm	0	3'	8'	Moderate	3'
144	Thrinax radiata	Florida thatch palm	5"	3'	10'	Moderate	3'
145	Thrinax radiata	Florida thatch palm	0	3'	6'	Moderate	3'
146	Thrinax radiata	Florida thatch palm	5"	3'	8'	Moderate	3'
147	Phoenix dactylifera	Date palm	9"	20'	18'	Moderate	4'
148	Thrinax radiata	Florida thatch palm	5"	3'	8'	Moderate	3'
149	Thrinax radiata	Florida thatch palm	5"	3'	8'	Moderate	3'
150	Thrinax radiata	Florida thatch palm	5"	3'	6'	Moderate	3'
151	Thrinax radiata	Florida thatch palm	4"	4'	8'	Good	3'
152	Thrinax radiata	Florida thatch palm	3"	7'	8'	Good	3'
153	Thrinax radiata	Florida thatch palm	4"	5'	8'	Good	3'
154	Phoenix dactylifera	Date palm	12"	12'	8'	Moderate	4'
155	Phoenix dactylifera	Date palm	10"	12'	7'	Moderate	4'
156	Phoenix dactylifera	Date palm	10"	12'	8'	Moderate	4'
157	Phoenix dactylifera	Date palm	13"	12'	8'	Moderate	4'
158	Phoenix dactylifera	Date palm	14"	12'	16'	Moderate	4'
159	Phoenix dactylifera	Date palm	12"	12'	18'	Moderate	4'
160	Thrinax radiata	Florida thatch palm	5"	6'	10'	Good	3'
161	Thrinax radiata	Florida thatch palm	5"	6'	10'	Good	3'
162	Thrinax radiata	Florida thatch palm	5"	6'	10'	Good	3'
163	Phoenix dactylifera	Date palm	15"	25'	16'	Moderate	6'
164	Thrinax radiata	Florida thatch palm	5"	5'	10'	Good	3'
165	Thrinax radiata	Florida thatch palm	4"	5'	10'	Good	3'

166	Thrinax radiata	Florida thatch palm	4"	5'	10'	Good	3'
167	Thrinax radiata	Florida thatch palm	5"	5'	8'	Good	3'
168	Thrinax radiata	Florida thatch palm	5"	5'	10'	Good	3'
169	Thrinax radiata	Florida thatch palm	4"	6'	10'	Good	3'
170	Phoenix dactylifera	Date palm	12"	25'	26'	Good	6'
171	Thrinax radiata	Florida thatch palm	4"	5'	10'	Good	3'
172	Thrinax radiata	Florida thatch palm	5"	6'	10'	Good	3'
173	Thrinax radiata	Florida thatch palm	4"	6'	8'	Good	3'
174	Cocos nucifera	Coconut palm	8"	20'	24'	Good	5'
175	Cocos nucifera	Coconut palm	7"	15'	22'	Good	5'
176	Cocos nucifera	Coconut palm	7"	20'	18'	Moderate	5'
177	Cocos nucifera	Coconut palm	8"	15'	22'	Moderate	5'
178	Cocos nucifera	Coconut palm	8"	20'	22'	Moderate	5'
179	Cocos nucifera	Coconut palm	8"	15'	24'	Moderate	5'
180	Cocos nucifera	Coconut palm	8"	18'	12'	Poor	
181	Cocos nucifera	Coconut palm	7"	15'	24'	Moderate	5'
182	Cocos nucifera	Coconut palm	8"	18'	18'	Good	5'
183	Cocos nucifera	Coconut palm	8"	20'	24'	Moderate	5'
184	Pandanas utilis	Screw pine	15"	18'	20'	Good	4'
185	Phoenix dactylifera	Date palm	14"	18'	20'	Good	4'
186	Phoenix dactylifera	Date palm	14"	18'	20'	Moderate	4'
187	Phoenix dactylifera	Date palm	12"	18'	18'	Good	4'
188	Phoenix dactylifera	Date palm	10"	18'	18'	Moderate	4'
189	Phoenix dactylifera	Date palm	12"	18'	22'	Good	4'
190	Phoenix dactylifera	Date palm	12"	18'	16'	Moderate	4'
191	Phoenix sylvestris	Silver date palm	0	2'	16'	Moderate	3'
192	Veitchia montgomeryana	Montgomery palm	5"	8'	16'	Good	3'
193	Veitchia montgomeryana	Montgomery palm	6"	15'	16'	Good	3'
194	Veitchia montgomeryana	Montgomery palm	5"	15'	16'	Good	3'
195	Thrinax radiata	Florida thatch palm	5"	3'	8'	Good	3'
196	Thrinax radiata	Florida thatch palm	5"	4'	8'	Good	3'
197	Thrinax radiata	Florida thatch palm	5"	3'	8'	Good	3'
198	Chamaerops humilis	European fan palm	0	3'	6'	Good	3'
199	Thrinax radiata	Florida thatch palm	5"	4'	6'	Good	3'
200	Phoenix dactylifera	Date palm	14"	28'	16'	Moderate	4'
201	Thrinax radiata	Florida thatch palm	0	2'	6'	Good	3'
202	Thrinax radiata	Florida thatch palm	0	2'	6'	Good	3'
203	Thrinax radiata	Florida thatch palm	5"	3'	6'	Good	3'
204	Chamaerops humilis	European fan palm	0	2'	5'	Good	3'
205	Thrinax radiata	Florida thatch palm	5"	3'	6'	Good	3'
206	Phoenix dactylifera	Date palm	16"	28'	18'	Moderate	5'
207	Thrinax radiata	Florida thatch palm	5"	3'	10'	Good	3'
208	Thrinax radiata	Florida thatch palm	5"	3'	8'	Good	3'
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209	Thrinax radiata	Florida thatch palm	5"	3'	10'	Good	3'
210	Cocos nucifera	Coconut palm	9"	20'	28'	Moderate	5'
211	Cocos nucifera	Coconut palm	7"	20'	28'	Moderate	5'
212	Cocos nucifera	Coconut palm	9"	20'	26'	Moderate	5'

- I recommend the removal of trees and palms that I rated to be in poor condition.
- The TPZ is measured as radius from the outside of the trunks.
- Canopy diameter is measured in one direction.
- H = approximate overall height of trees
- Ct = approximate height of grey wood on palms
- A "0" in the DBH column denotes no trunk at 4.5 feet above grade



Appendix – B – Numbered locations of trees and palms



<u>Appendix – C</u>

ANSI A300 (Part 5) - 2005, Annex A

Management report information

Examples of suitability ratings

<u>Good</u>: These are trees with good health and structural stability that have the potential for longevity at the site.

<u>Moderate</u>: Trees in this category have fair health and/or structural defects that may be abated with treatment. Trees in this category require more intense management and monitoring, and may have shorter life-spans than those in the "good" category.

<u>Poor</u>: Trees in this category are in poor health or have significant defect s 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.

Appendix – D – Schematic for tree protection during construction



The dimensions for the tree protection zones for all trees to remain onsite are shown in Appendix A. This area shall be encircled with a 4 foot high sturdy fence supported by steel rods or pipes to support the fence every 6 feet. There shall be signage on the fence in English and Spanish not allowing storage of any materials, change of grade or movement of equipment. This fence shall be inspected regularly by the contractor to ensure compliance.

Appendix - E - Assumptions and Limiting Conditions

Tropical Designs of Florida, Inc. Arboricultural and Horticultural Consulting

Qualifications, Assumptions, and Limiting Conditions

Any legal description provided to the consultant is assumed to be correct. Any titles or ownership of properties are assumed to be good and marketable. All property is appraised or evaluated as though free and clear, under responsible ownership and competent management.

All property is presumed to be in conformance with applicable codes, ordinances, statutes, or other regulations.

Care has been taken to obtain information from reliable sources. However, the consultant cannot be responsible for the accuracy of information provided by others.

The consultant shall not be required to give testimony or to attend meetings, hearings, conferences, mediations, arbitrations, or trials by reason of this report unless subsequent contractual arrangements are made, including payment of an additional fee for such services.

This report and any appraisal value expressed herein represent the opinion of the consultant, and the consultant's fee is not contingent upon the reporting of a specified appraisal value, a stipulated result, or the occurrence of a subsequent event.

Sketches, drawings, and photographs in this report are intended for use as visual aids, are not necessarily to scale, and should not be construed as engineering or architectural reports or surveys. The reproduction of information generated by architects, engineers, or other consultants on any sketches, drawings, or photographs is only for coordination and ease of reference. Inclusion of said information with any drawings or other documents does not constitute a representation Tropical Designs of Florida, Inc. as to the sufficiency or accuracy of said information.

Unless otherwise expressed: a) this report covers only the examined items and their condition at the time of inspection: and b) the inspection is limited to visual examination of accessible items without dissection, excavation, probing, or coring. There is no warranty or guarantee, expressed or implied, that structural problems or deficiencies of plants or property may not arise in the future.

Appendix – F - Certification of Performance

Tropical Designs of Florida, Inc. Arboricultural and Horticultural Consulting

I, Jeff Shimonski, certify:

- That I have personally inspected the trees and/or the property referred to in this report, and have stated my findings accurately. The extent of the evaluation is stated in the attached report;
- That I have no current or prospective interest in the vegetation or the property that is the subject of this report and have no personal interest or bias with respect to the parties involved;
- That the analysis, opinions, and conclusions stated herein are my own;
- That my analysis, opinions, and conclusions were developed and this report has been prepared according to commonly accepted arboricultural practices;
- That no one provided significant professional assistance to the consultant, except as indicated within the report;
- That my compensation is not contingent upon the reporting of a predetermined conclusion that favors the cause of the client or any other party.

I further certify that I am a member of the American Society of Consulting Arborists and acknowledge, accept, and adhere to the ASCA Standards of Professional Practice. I am an International Society of Arboriculture Certified Municipal Arborist FL-1052AM, am ISA Tree Risk Assessment Qualified and have been involved in the practice of arboriculture and the study of trees for over forty years.

Signed: Jeff Shimonski

Dated: May 21, 2018