

Tree Resource Evaluation for 1420 Bay Road, Miami Beach

Prepared for:

Marsh Kriplen

LAND

2610 North Miami Avenue

Miami, Fl 33127

Prepared by:

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Summary

I was requested to update the tree and palm matrix found in Appendix A by Marsh Kriplen of LAND. I added names to trees and palms that I could locate that had been listed as “Unknown” on the tree and palm matrix. My tree and palm updates and additions are all the scientific names in this document. I also added condition ratings.

This work was performed at 1420 Bay Road, Miami Beach during the week of August 7th 2017.

I have not added a schematic in Appendix B of the tree and palm locations as this is a very large document. I utilized the Flamingo Survey site plan and numbering scheme showing tree and palm locations sent to me by Said Musli of LAND on August 11th.

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

I also followed the Levels and Scope of Tree Risk Assessment from the ANSI A300 Part 9: Tree, Shrub, and Other Woody Plant Management – Standard Practices. Level 1 limited visual, Level 2 basic and Level 3 Advanced Tree Risk Assessments. 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.

City of Miami Beach Sec. 46-62, tree preservation and protection requirements, root cutting, tree relocations and tree pruning code can be found in Appendix D.

Appendix E contains the ANSI A300 definitions of Tree Protection Zone (TPZ) and Critical Root Zone (CRZ).

Comments

I have not included photos of all the trees and palms that I assessed however those below show typical conditions for the trees that I inspected and gave condition ratings.

Many of the trees have weak codominant branch connections with included bark. Trunk and branch taper on many trees was very weak. I also noted many poor branch removal and pruning cuts that were beginning to decay. Most pruning cuts were done into the branch bark collar or were flush cuts which are against industry standards.

When new trees and palms are installed on this site adherence to the new edition of the Florida Grades and Standards should alleviate many of the structural issues above. Proper pruning methods should improve the branch structure and reduce hazardous conditions of these trees.

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, www.SWGIT.org.



Photo 1 above is trees 443, 444, 445 & 446. The circle on tree 444 indicates a weak codominant branch connection. Trees 445 & 446 are soft-wooded species, have strong leans, and are very prone to failure.

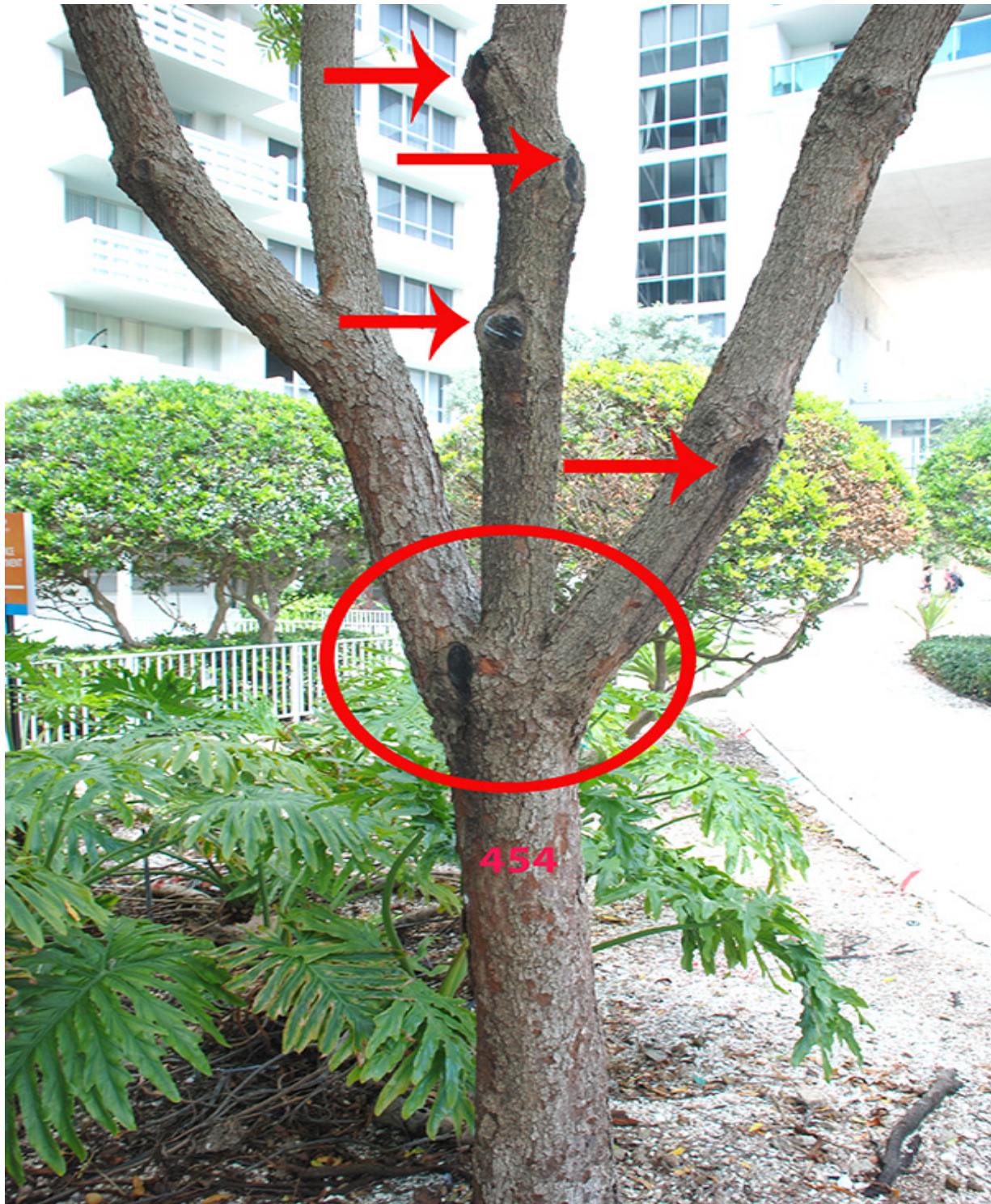


Photo 2 above is tree 454 with the circle indicating weak codominant branch connections with included bark. The arrows indicate poor pruning cuts some of which are oozing.



Photo 3 above is trees 455, 459, 460 & 462. The circles indicate weak codominant branch connections with included bark.

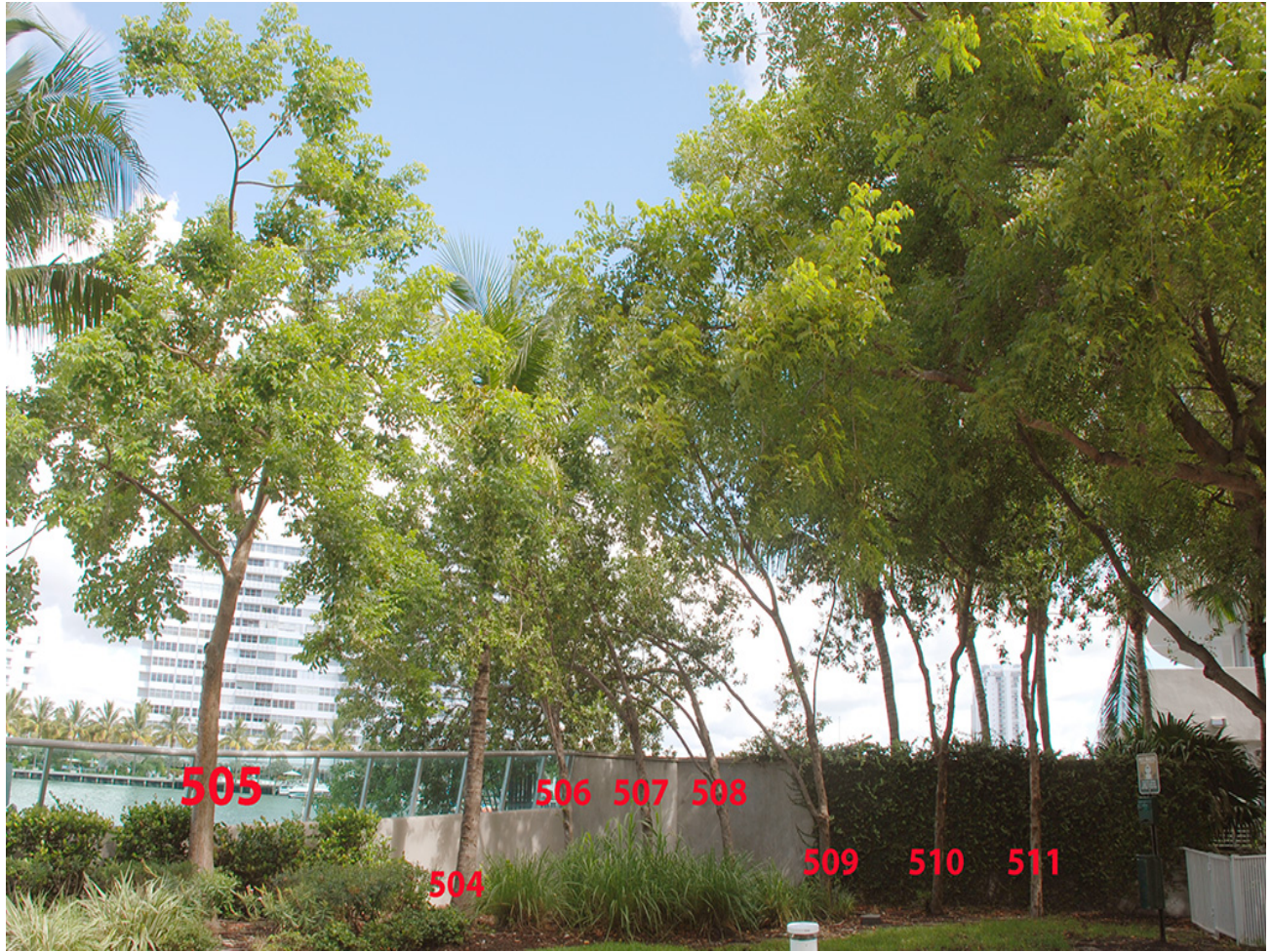


Photo 4 above is trees 504 through 511. The smaller trees have poor trunk taper and are prone to failure.



Photo 5 above is tree 565. The circles indicate weak codominant branch connections with included bark.



Photo 6 above is tree 566. The circle indicates a very weak codominant branch connection with included bark. This tree also has very poor branch taper.



Photo 7 above is tree 567 & 568. The circles indicate weak codominant branch connections with included bark.



Photo 8 above is trees 677 through 683.



Photo 9 above is *Ravenala madagascariensis*, traveller's trees 704, 705 & 707.



Photo 10 above is tree 729.



Photo 11 above is trees 815 & 816. The circles indicate weak codominant branch connections with included bark and the branches on these trees have poor branch taper. See following photo.



Photo 12 above is a close-up view of a weak codominant branch connection with included bark on tree 815. Also shown is the old tree staking tape that had been left on the tree. The tape is now partly girdling the trunk.



Photo 13 above is tree 818 with very weak branch taper.



Photo 14 above is trees 819 & 820, both trees have very weak branch taper.



Photo 15 above is tree 821 with weak branch taper.



Photo 16 above is trees 916 & 918. The circle indicates weak codominant branch connections and both trees have weak branch taper.



Photo 17 above is tree 919 with the circle indicating very weak codominant branch connections.



Photo 18 above is trees 972 through 980.

Appendix – A – Measurements and condition rating

Tree	DBH	Height	Canopy	Name	Condition
1	4"	12'	4'	Unknown	
2	4"	12'	5'	Unknown	
3	4"	12'	5'	Unknown	
4	14"	12'	5'	Sabal Palm	
5	13"	12'	5'	Sabal Palm	
6	15"	10'	5'	Sabal Palm	
7	15"	10'	5'	Sabal Palm	
8	15"	12'	4'	Sabal Palm	
9	17"	14'	5'	Sabal Palm	
10	15"	12'	3'	Sabal Palm	
11	14"	9'	5'	Sabal Palm	
12	14"	8'	4'	Sabal Palm	
13	9"	25'	25'	Mahogany	
14	7"	12'	12'	Oak	
15	12"	25'	25'	Oak	
16	10"	25'	25'	Mahogany	
17	9"	25'	20'	Mahogany	
18	10"	20'	12'	Coconut Palm	
19	12"	20'	12'	Coconut Palm	
20	8"	22'	20'	Mahogany	
21	9"	20'	12'	Coconut Palm	
22	13"	25'	12'	Coconut Palm	
23	15"	25'	12'	Coconut Palm	
24	20"	25'	15'	Date Palm	
25	24"	25'	15'	Date Palm	
26	20"	25'	15'	Date Palm	
27	4"	12'	15'	Unknown	
28	12"	20'	20'	Unknown	
29	10"	20'	20'	Unknown	
30	12"	20'	20'	Unknown	
31	12"	20'	20'	Unknown	
32	12"	20'	20'	Unknown	
33	4"	12'	15'	Poinciana	
34	9"	20'	20'	Poinciana	
35	8"	22'	15'	Coconut Palm	
36	5"	15'	12'	Unknown	
37	5"	15'	10'	Unknown	
38	5"	15'	15'	Unknown	
39	6"	15'	15'	Unknown	
40	6"	15'	15'	Unknown	
41	7"	20'	20'	Unknown	
42	7"	20'	20'	Unknown	
43	7"	20'	20'	Unknown	
44	3"	10'	5'	Unknown	

45	9"	25'	12'	Coconut Palm
46	8"	25'	12'	Coconut Palm
47	10"	25'	12'	Coconut Palm
48	12"	25'	12'	Coconut Palm
49	9"	25'	12'	Coconut Palm
50	8"	25'	12'	Coconut Palm
51	7"	25'	12'	Coconut Palm
52	9"	25'	12'	Coconut Palm
53	4"	12'	4'	Fan Palm Cluster
54	8"	15'	15'	Unknown
55	8"	15'	15'	Unknown
56	8"	20'	15'	Unknown
57	6"	15'	15'	Ficus
58	4"	8'	4'	Fan Palm Cluster
59	7"	20'	15'	Unknown
60	4"	15'	5'	Fan Palm Cluster
61	5"	15'	6'	Fan Palm Cluster
62	8"	15'	15'	Unknown
63	7"	15'	15'	Unknown
64	4"	25'	6'	Fan Palm Cluster
65	5"	20'	6'	Fan Palm Cluster
66	8"	15'	15'	Unknown
67	7"	20'	10'	Unknown
68	7"	12'	12'	Banana cluster
69	6"	12'	12'	Fan Palm Cluster
70	6"	12'	12'	Fan Palm Cluster
71	6"	10'	6'	Banana
72	4"	12'	6'	Fan Palm Cluster
73	5"	15'	6'	Fan Palm Cluster
74	9"	20'	20'	Unknown
75	7"	15'	15'	Unknown
76	4"	12'	5'	Fan Palm Cluster
77	6"	20'	20'	Oak
78	6"	15'	15'	Oak
79	8"	18'	20'	Oak
80	11"	20'	15'	Oak
81	4"	10'	6'	Fan Palm Cluster
82	7"	15'	15'	Unknown
83	8"	12'	12'	Unknown
84	4"	15'	6'	Fan Palm Cluster
85	4"	15'	4'	Fan Palm Cluster
86	6"	12'	12'	Unknown
87	7"	20'	20'	Unknown
88	4"	15'	5'	Fan Palm Cluster
89	4"	15'	5'	Fan Palm Cluster
90	8"	15'	15'	Unknown
91	4"	12'	6'	Fan Palm Cluster
92	6"	15'	6'	Fan Palm Cluster

93	10"	20'	20'	Unknown
94	8"	15'	12'	Unknown
95	4"	12'	10'	Christmas Palm
96	4"	20'	6'	Fan Palm Cluster
97	10"	20'	15'	Oak
98	12"	20'	20'	Oak
99	12"	25'	25'	Oak
100	10"	20'	20'	Oak
101	10"	15'	15'	Oak
102	7"	15'	15'	Oak
103	7"	15'	15'	Oak
104	8"	15'	15'	Oak
105	8"	20'	15'	Oak
106	6"	12'	12'	Oak
107	10"	45'	12'	Coconut Palm
108	7"	30'	12'	Coconut Palm
109	4"	20'	6'	Fan Palm Cluster
110	10"	30'	12'	Coconut Palm
111	10"	35'	12'	Coconut Palm
112	10"	35'	12'	Coconut Palm
113	9"	30'	12'	Coconut Palm
114	10"	45'	12'	Coconut Palm
115	10"	40'	12'	Coconut Palm
116	12"	40'	12'	Coconut Palm
117	10"	45'	12'	Coconut Palm
118	10"	45'	12'	Coconut Palm
119	9"	40'	12'	Coconut Palm
120	4"	20'	7'	Fan Palm Cluster
121	4"	20'	7'	Fan Palm Cluster
122	10"	40'	12'	Coconut Palm
123	10"	40'	12'	Coconut Palm
124	4"	20'	6'	Fan Palm Cluster
125	10"	40'	12'	Coconut Palm
126	10"	40'	12'	Coconut Palm
127	10"	40'	12'	Coconut Palm
128	10"	35'	12'	Coconut Palm
129	9"	40'	12'	Coconut Palm
130	9"	35'	12'	Coconut Palm
131	9"	40'	12'	Coconut Palm
132	10"	40'	12'	Coconut Palm
133	9"	40'	12'	Coconut Palm
134	8"	30'	12'	Coconut Palm
135	10"	30'	12'	Coconut Palm
136	12"	35'	12'	Coconut Palm
137	10"	35'	12'	Coconut Palm
138	10"	35'	12'	Coconut Palm
139	10"	30'	12'	Coconut Palm
140	12"	40'	12'	Coconut Palm

141	12"	40'	12'	Coconut Palm
142	10"	35'	12'	Coconut Palm
143	12"	35'	12'	Coconut Palm
144	10"	38'	12'	Coconut Palm
145	10"	30'	12'	Coconut Palm
146	10"	40'	12'	Coconut Palm
147	5"	15'	5'	Fan Palm Cluster
148	5"	15'	5'	Fan Palm Cluster
149	5"	15'	5'	Fan Palm Cluster
150	4"	15'	5'	Fan Palm Cluster
151	4"	15'	5'	Fan Palm Cluster
152	8"	25'	12'	Coconut Palm
153	12"	35'	12'	Coconut Palm
154	10"	30'	12'	Coconut Palm
155	10"	35'	12'	Coconut Palm
156	12"	35'	12'	Coconut Palm
157	10"	35'	12'	Coconut Palm
158	10"	35'	12'	Coconut Palm
159	6"	12'	10'	Oak
160	10"	15'	15'	Oak
161	7"	20'	15'	Oak
162	10"	20'	15'	Oak
163	7"	20'	15'	Oak
164	4"	15'	5'	Fan Palm Cluster
165	4"	15'	5'	Fan Palm Cluster
166	4"	15'	5'	Fan Palm
167	5"	15'	5'	Fan Palm Cluster
168	5"	25'	5'	Montgomery Palm
169	7"	25'	5'	Montgomery Palm
170	6"	25'	10'	Montgomery Palm
171	9"	30'	10'	Montgomery Palm
172	7"	30'	10'	Montgomery Palm
173	6"	25'	10'	Montgomery Palm
174	6"	25'	10'	Montgomery Palm
175	7"	30'	10'	Montgomery Palm
176	6"	25'	12'	Montgomery Palm
177	8"	25'	12'	Montgomery Palm
178	6"	15'	12'	Montgomery Palm
179	4"	12'	10'	Christmas Palm
180	12"	35'	12'	Coconut Palm
181	4"	15'	5'	Fan Palm Cluster
182	5"	18'	5'	Fan Palm Cluster
183	4"	6'	3'	Fan Palm
184	4"	15'	5'	Fan Palm Cluster
185	4"	18'	5'	Fan Palm Cluster
186	5"	12'	5'	Fan Palm Cluster
187	13"	40'	10'	Coconut Palm
188	15"	40'	10'	Coconut Palm

189	12"	45'	10'	Coconut Palm
190	10"	40'	10'	Coconut Palm
191	10"	40'	10'	Coconut Palm
192	10"	45'	10'	Coconut Palm
193	14"	45'	10'	Coconut Palm
194	12"	40'	10'	Coconut Palm
195	9"	20'	20'	Oak
196	8"	20'	20'	Oak
197	8"	20'	20'	Oak
198	9"	15'	15'	Oak
199	13"	15'	20'	Unknown at base
200	13"	15'	20'	Unknown at base
201	12"	15'	20'	Unknown at base
202	12"	15'	20'	Unknown at base
203	12"	15'	20'	Unknown at base
204	10"	20'	20'	Tabebuia chrysotricha
205	5"	15'	5'	Fan Palm Cluster
206	5"	15'	5'	Fan Palm Cluster
207	10"	20'	20'	Tabebuia chrysotricha
208	7"	15'	15'	Tabebuia chrysotricha
209	8"	15'	15'	Tabebuia chrysotricha
210	8"	15'	15'	Tabebuia chrysotricha
211	5"	15'	5'	Fan Palm Cluster
212	7"	20'	15'	Tabebuia chrysotricha
213	4"	12'	5'	Fan Palm Cluster
214	5"	15'	5'	Fan Palm Cluster
215	7"	15'	15'	Ligustrum japonicum
216	7"	15'	15'	Ligustrum japonicum
217	6"	20'	20'	Clusia rosea
218	6"	20'	20'	Clusia rosea
219	8"	15'	15'	Coconut Palm
220	10"	20'	15'	Coconut Palm
221	9"	20'	15'	Coconut Palm
222	9"	30'	12'	Montgomery Palm
223	9"	30'	12'	Montgomery Palm
224	10"	60'	12'	Montgomery Palm
225	9"	60'	12'	Montgomery Palm
226	7"	48'	12'	Montgomery Palm
227	8"	50'	12'	Montgomery Palm
228	8"	40'	12'	Montgomery Palm
229	8"	40'	12'	Montgomery Palm
230	8"	50'	12'	Montgomery Palm
231	7"	50'	12'	Montgomery Palm
232	8"	55'	12'	Montgomery Palm
233	8"	50'	12'	Montgomery Palm
234	8"	50'	12'	Montgomery Palm
235	7"	50'	12'	Montgomery Palm
236	7"	50'	12'	Montgomery Palm

Moderate
Poor
Poor
Moderate

237	11"	30'	15'	Coconut Palm
238	10"	30'	15'	Coconut Palm
239	10"	30'	15'	Coconut Palm
240	10"	30'	15'	Coconut Palm
241	10"	30'	15'	Coconut Palm
242	9"	55'	12'	Montgomery Palm
243	12"	30'	15'	Coconut Palm
244	8"	40'	12'	Montgomery Palm
245	9"	40'	12'	Montgomery Palm
246	7"	40'	12'	Montgomery Palm
247	8"	50'	12'	Montgomery Palm
248	4"	6'	5'	Robellini
249	7"	60'	12'	Montgomery Palm
250	10"	55'	12'	Montgomery Palm
251	7"	55'	12'	Montgomery Palm
252	8"	60'	12'	Montgomery Palm
253	8"	40'	12'	Montgomery Palm
254	8"	50'	12'	Montgomery Palm
255	7"	50'	12'	Montgomery Palm
256	10"	50'	12'	Montgomery Palm
257	8"	55'	12'	Montgomery Palm
258	8"	50'	12'	Montgomery Palm
259	4"	15'	10'	Christmas Palm Cluster
260	4"	15'	10'	Christmas Palm Cluster
261	4"	15'	10'	Christmas Palm Cluster
262	12"	30'	20'	Coconut Palm
263	10"	40'	10'	Montgomery Palm
264	7"	40'	10'	Montgomery Palm
265	8"	40'	10'	Montgomery Palm
266	8"	30'	12'	Montgomery Palm
267	7"	50'	12'	Montgomery Palm
268	8"	40'	12'	Montgomery Palm
269	8"	45'	12'	Montgomery Palm
270	8"	35'	12'	Montgomery Palm
271	8"	45'	12'	Montgomery Palm
272	8"	45'	12'	Montgomery Palm
273	8"	25'	12'	Montgomery Palm
274	8"	40'	12'	Montgomery Palm
275	8"	35'	12'	Montgomery Palm
276	10"	30'	12'	Montgomery Palm
277	10"	25'	20'	Coconut Palm
278	10"	25'	20'	Coconut Palm
279	4"	10'	7'	Robellini
280	4"	10'	7'	Robellini
281	4"	10'	7'	Robellini
282	5"	6'	5'	Robellini
283	4"	6'	5'	Robellini
284	4"	6'	5'	Robellini cluster

285	4"	6'	4'	Robellini
286	8"	45'	12'	Montgomery Palm
287	8"	45'	12'	Montgomery Palm
288	8"	35'	12'	Montgomery Palm
289	14"	25'	20'	Montgomery Palm
290	7"	15'	15'	Silver Button Wood
291	15"	25'	30'	Montgomery Palm
292	4"	12'	12'	Conocarpus erectus
293	7"	15'	15'	Silver Button Wood
294	7"	15'	15'	Silver Button Wood
295	8"	12'	15'	Silver Button Wood
296	7"	12'	12'	Silver Button Wood
297	6"	12'	10'	Poinciana
298	10"	15'	15'	Coconut Palm
299	9"	22'	15'	Coconut Palm
300	10"	12'	15'	Coconut Palm
301	14"	30'	45'	Poinciana
302	8"	20'	12'	Coconut Palm
303	7"	15'	12'	Coconut Palm
304	8"	15'	12'	Coconut Palm
305	8"	20'	12'	Coconut Palm
306	8"	12'	12'	Coconut Palm
307	7"	22'	15'	Coconut Palm
308	7"	12'	15'	Coconut Palm
309	7"	20'	15'	Coconut Palm
310	8"	12'	15'	Coconut Palm
311	7"	18'	15'	Coconut Palm
312	8"	18'	12'	Coconut Palm
313	9"	18'	20'	Gumbo Limbo
314	14"	25'	30'	Black Olive
315	8"	20'	20'	Black Olive
316	7"	20'	20'	Oak
317	13"	25'	25'	Oak
318	10"	25'	25'	Oak
319	12"	20'	20'	Oak
320	7"	20'	20'	Quercus virginiana
321	10"	25'	20'	Quercus virginiana
322	8"	20'	20'	Quercus virginiana
323	6"	15'	15'	Quercus virginiana
324	9"	25'	25'	Quercus virginiana
325	15"	30'	35'	Montgomery Palm
326	9"	20'	25'	Conocarpus erectus
327	10"	25'	25'	Conocarpus erectus
328	8"	25'	25'	Conocarpus erectus
329	9"	20'	15'	Coconut Palm
330	9"	30'	15'	Coconut Palm
331	8"	25'	15'	Coconut Palm
332	9"	25'	15'	Coconut Palm

Moderate
Good
Moderate
Poor
Good
Good

333	5"	8'	12'	Ligustrum japonicum
334	6"	10'	12'	Ligustrum japonicum
335	6"	10'	12'	Ligustrum japonicum
336	17"	35'	30'	Mahogany
337	24"	45'	35'	Lysiloma latisiliquum
338	7"	8'	12'	Coconut Palm
339	16"	9'	15'	Sabal Palm
340	9"	15'	15'	Coconut Palm
341	9"	15'	15'	Coconut Palm
342	8"	20'	15'	Coconut Palm
343	10"	20'	15'	Coconut Palm
344	9"	20'	15'	Coconut Palm
345	10"	6'	15'	Coconut Palm
346	7"	10'	15'	Coconut Palm
347	7"	7'	15'	Coconut Palm
348	9"	15'	15'	Coconut Palm
349	14"	12'	12'	Bottle Palm
350	13"	40'	20'	Coconut Palm
351	13"	30'	20'	Coconut Palm
352	11"	30'	20'	Coconut Palm
353	11"	30'	20'	Coconut Palm
354	10"	30'	20'	Coconut Palm
355	10"	20'	20'	Coconut Palm
356	8"	25'	20'	Coconut Palm
357	10"	25'	20'	Coconut Palm
358	13"	45'	35'	Ilex species
359	11"	50'	25'	Ilex species
360	9"	35'	20'	Ilex species
361	10"	35'	20'	Ilex species
362	10"	25'	20'	Ilex species
363	15"	35'	20'	Date Palm
364	13"	30'	20'	Date Palm
365	14"	35'	20'	Date Palm
366	13"	30'	20'	Date Palm
367	5"	12'	10'	Christmas Palm Cluster
368	5"	12'	10'	Christmas Palm Cluster
369	4"	12'	10'	Christmas Palm Cluster
370	4"	12'	10'	Christmas Palm Cluster
371	4"	12'	10'	Christmas Palm Cluster
372	7"	15'	10'	Screw Palm Cluster
373	3"	15'	4'	Palm Cluster
374	4"	6'	4'	Robellini
375	4"	8'	4'	Montgomery Palm
376	10"	35'	20'	Montgomery Palm
377	8"	35'	20'	Montgomery Palm
378	9"	35'	20'	Montgomery Palm
379	8"	35'	20'	Montgomery Palm
380	10"	45'	20'	Montgomery Palm

Moderate
Moderate
Moderate
Moderate
Moderate

381	8"	30'	20'	Montgomery Palm	Moderate
382	8"	30'	20'	Montgomery Palm	
383	8"	25'	20'	Montgomery Palm	
384	8"	30'	20'	Ilex species	
385	8"	30'	20'	Ilex species	Moderate
386	10"	30'	20'	Ilex species	Moderate
387	13"	35'	40'	Ilex species	Moderate
388	15"	30'	20'	Date Palm	
389	15"	35'	20'	Date Palm	
390	15"	35'	20'	Date Palm	
391	14"	30'	20'	Date Palm	
392	5"	12'	6'	Christmas Palm Cluster	
393	4"	12'	6'	Christmas Palm Cluster	
394	4"	12'	6'	Christmas Palm Cluster	
395	5"	12'	6'	Christmas Palm Cluster	
396	5"	12'	6'	Christmas Palm Cluster	
397	5"	12'	6'	Christmas Palm Cluster	
398	9"	25'	20'	Coconut Palm	
399	10"	30'	20'	Coconut Palm	
400	10"	25'	20'	Coconut Palm	
401	9"	30'	20'	Coconut Palm	
402	12"	30'	20'	Coconut Palm	
403	13"	25'	20'	Coconut Palm	
404	7"	25'	15'	Montgomery Palm	
405	8"	10'	10'	Screw Palm	
406	4"	6'	4'	Robellini	
407	4"	6'	4'	Robellini	
408	5"	12'	6'	Christmas Palm Cluster	
409	7"	30'	15'	Montgomery Palm	
410	9"	12'	20'	Coconut Palm	
411	9"	40'	15'	Montgomery Palm	
412	9"	40'	15'	Montgomery Palm	
413	8"	40'	15'	Montgomery Palm	
414	5"	30'	15'	Fishtail Palm	
415	4"	30'	15'	Fishtail Palm	
416	13"	30'	20'	Poinciana	
417	8"	30'	20'	Montgomery Palm	
418	7"	30'	20'	Montgomery Palm	
419	16"	12'	12'	Bottle Palm	
420	16"	12'	12'	Bottle Palm	
421	15"	35'	20'	Date Palm	
422	14"	40'	20'	Date Palm	
423	14"	35'	20'	Date Palm	
424	14"	40'	20'	Date Palm	
425	15"	40'	20'	Date Palm	
426	14"	35'	20'	Date Palm	
427	13"	35'	20'	Date Palm	
428	24"	20'	20'	Date Palm	

429	21"	15'	20'	Date Palm	
430	23"	23'	20'	Date Palm	
431	18"	18'	20'	Date Palm	
432	21"	18'	20'	Date Palm	
433	21"	15'	20'	Date Palm	
434	15"	35'	20'	Date Palm	
435	16"	40'	20'	Date Palm	
436	13"	35'	20'	Date Palm	
437	14"	35'	20'	Date Palm	
438	15"	40'	20'	Date Palm	
439	15"	40'	20'	Date Palm	
440	15"	40'	20'	Date Palm	
441	16"	25'	20'	Date Palm	
442	15"	25'	20'	Date Palm	
443	4"	7'	12'	Ligustrum japonicum	Moderate
444	8"	20'	20'	Quercus virginiana	Moderate
445	5"	20'	12'	Senna polyphylla	Poor
446	2"	15'	12'	Senna polyphylla	Poor
447	6"	12'	12'	Delonix regia	
448	8"	10'	14'	Quercus virginiana	
449	4"	15'	6'	Fan Palm Cluster	
450	9"	15'	20'	Silver Button Wood	
451	6"	12'	12'	Ligustrum japonicum	Moderate
452	5"	12'	12'	Ligustrum japonicum	Moderate
453	5"	12'	12'	Ligustrum japonicum	Moderate
454	9"	20'	20'	Filicium decipiens	Poor
455	9"	25'	20'	Filicium decipiens	Poor
456	7"	20'	20'	Clusia rosea	Moderate
457	7"	20'	20'	Clusia rosea	Moderate
458	10"	5'	5'	Bottle Palm	
459	13"	30'	35'	Ilex species	Good
460	11"	25'	25'	Ilex species	Good
461	6"	15'	15'	Ilex species	Good
462	12"	30'	20'	Ilex species	Moderate
463	11"	20'	15'	Ilex species	Moderate
464	9"	30'	12'	Montgomery Palm	
465	7"	30'	12'	Montgomery Palm	
466	7"	30'	12'	Montgomery Palm	
467	7"	25'	12'	Montgomery Palm	
468	7"	30'	12'	Montgomery Palm	
469	7"	25'	15'	Coconut Palm	
470	8"	25'	15'	Coconut Palm	
471	7"	25'	15'	Coconut Palm	
472	8"	25'	15'	Coconut Palm	
473	4"	12'	12'	Ligustrum japonicum	Moderate
474	5"	12'	12'	Ligustrum japonicum	Poor
475	6"	12'	12'	Ligustrum japonicum	Moderate
476	5"	12'	12'	Clusia rosea	Poor

477	5"	12'	12'	Ligustrum japonicum	Poor
478	5"	12'	10'	Oak	
479	5"	25'	8'	Fishtail Palm Cluster	
480	5"	15'	8'	Fishtail Palm Cluster	
481	5"	20'	8'	Fishtail Palm Cluster	
482	15"	35'	20'	Date Palm	
483	15"	35'	20'	Date Palm	
484	15"	35'	20'	Date Palm	
485	15"	35'	20'	Date Palm	
486	2" - 4"	20'	10'	Bamboo Limits Cluster	
487	2" - 4"	20'	10'	Bamboo Limits Cluster	
488	2" - 4"	20'	10'	Bamboo Limits Cluster	
489	2" - 4"	20'	10'	Bamboo Limits Cluster	
490	2" - 4"	20'	10'	Bamboo Limits Cluster	
491	2" - 4"	20'	10'	Bamboo Limits Cluster	
492	2" - 4"	20'	10'	Bamboo Limits Cluster	
493	2" - 4"	20'	10'	Bamboo Limits Cluster	
494	2" - 4"	20'	10'	Bamboo Limits Cluster	
495	2" - 4"	20'	10'	Bamboo Limits Cluster	
496	2" - 4"	20'	10'	Bamboo Limits Cluster	
497	8"	15'	15'	Coconut Palm	
498	9"	12'	12'	Coconut Palm	
499	9"	15'	12'	Coconut Palm	
500	9"	15'	15'	Coconut Palm	
501	8"	15'	15'	Coconut Palm	
502	9"	15'	12'	Coconut Palm	
503	10"	15'	12'	Coconut Palm	
504	10"	15'	12'	Coconut Palm	
505	10"	15'	15'	Gumbo Limbo	
506	4"	15'	10'	Conocarpus erectus	
507	5"	15'	8'	Conocarpus erectus	
508	5"	15'	8'	Conocarpus erectus	
509	5"	15'	8'	Conocarpus erectus	
510	5"	15'	8'	Conocarpus erectus	
511	5"	15'	10'	Conocarpus erectus	
512	5"	15'	12'	Senna polyphylla	
513	5"	15'	12'	Senna polyphylla	
514	5"	15'	15'	Senna polyphylla	
515	10"	15'	15'	Coconut Palm	
516	9"	20'	15'	Coconut Palm	
517	8"	20'	15'	Coconut Palm	
518	8"	15'	15'	Coconut Palm	
519	7"	20'	15'	Coconut Palm	
520	12"	5'	15'	Washingtonia Palm	
521	8"	15'	15'	Coconut Palm	
522	8"	15'	15'	Coconut Palm	
523	8"	15'	15'	Coconut Palm	
524	9"	15'	15'	Coconut Palm	

Moderate
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525	6"	8'	8'	Seagrape	
526	8"	12'	12'	Coconut Palm	
527	7"	12'	12'	Coconut Palm	
528	7"	12'	12'	Coconut Palm	
529	8"	12'	12'	Coconut Palm	
530	7"	12'	12'	Coconut Palm	
531	9"	15'	12'	Coconut Palm	
532	9"	8'	12'	Coconut Palm	
533	8"	15'	12'	Coconut Palm	
534	10"	15'	12'	Coconut Palm	
535	6"	15'	12'	Coconut Palm	
536	7"	15'	15'	Coconut Palm	
537	8"	15'	15'	Coconut Palm	
538	8"	12'	15'	Coconut Palm	
539	8"	15'	12'	Coconut Palm	
540	9"	15'	12'	Coconut Palm	
541	9"	15'	12'	Coconut Palm	
542	8"	15'	12'	Coconut Palm	
543	8"	15'	15'	Coconut Palm	
544	10"	15'	15'	Coconut Palm	
545	9"	15'	15'	Coconut Palm	
546	8"	15'	15'	Coconut Palm	
547	9"	20'	15'	Coconut Palm	
548	8"	15'	15'	Coconut Palm	
549	9"	12'	15'	Coconut Palm	
550	7"	12'	15'	Coconut Palm	
551	9"	15'	12'	Coconut Palm	
552	8"	15'	15'	Coconut Palm	
553	9"	12'	15'	Coconut Palm	
554	8"	12'	12'	Coconut Palm	
555	8"	20'	15'	Coconut Palm	
556	9"	20'	15'	Coconut Palm	
557	4"	10'	6'	Thrinax radiata	Good
558	5"	10'	6'	Thrinax radiata	Good
559	4"	10'	5'	Thrinax radiata	Good
560	5"	10'	6'	Thrinax radiata	Good
561	4"	10'	6'	Thrinax radiata	Good
562	4"	10'	6'	Thrinax radiata	Good
563	4"	10'	6'	Thrinax radiata	Good
564	4"	10'	6'	Thrinax radiata	Good
565	13"	25'	25'	Ilex species	Moderate
566	7"	25'	15'	Filicium decipiens	Poor
567	6"	25'	15'	Filicium decipiens	Poor
568	15"	30'	25'	Ilex species	Moderate
569	13"	30'	20'	Ilex species	Moderate
570	2" - 4"	10'	6'	Bush Line to 571	
571	4"	12'	12'	Seagrape	
572	9"	40'	10'	Montgomery Palm	

573	14"	40'	8'	Cabbage Palm
574	7"	35'	12'	Montgomery Palm
575	8"	40'	12'	Cabbage Palm
576	4"	10'	10'	Christmas Palm
577	9"	40'	18'	Montgomery Palm
578	8"	25'	25'	Mahogany
579	6"	40'	15'	Montgomery Palm
580	10"	45'	12'	Cabbage Palm
581	8"	45'	20'	Montgomery Palm
582	9"	30'	15'	Cabbage Palm
583	9"	45'	12'	Cabbage Palm
584	8"	40'	12'	Montgomery Palm
585	9"	50'	12'	Cabbage Palm
586	7"	35'	20'	Montgomery Palm
587	10"	50'	12'	Cabbage Palm
588	11"	60'	20'	Royal Palm
589	10"	60'	15'	Cabbage Palm
590	7"	30'	15'	Montgomery Palm
591	10"	30'	12'	Cabbage Palm
592	11"	60'	12'	Cabbage Palm
593	7"	40'	20'	Montgomery Palm
594	9"	40'	14'	Cabbage Palm
595	12"	40'	25'	Royal Palm
596	11"	50'	15'	Cabbage Palm
597	9"	30'	25'	Montgomery Palm
598	8"	45'	18'	Cabbage Palm
599	8"	40'	20'	Montgomery Palm
600	10"	60'	15'	Cabbage Palm
601	9"	40'	25'	Montgomery Palm
602	10"	55'	15'	Cabbage Palm
603	3"	8'	12'	Palm
604	8"	25'	25'	Swietenia mahagoni
605	7"	25'	30'	Swietenia mahagoni
606	5"	12'	12'	Ligustrum japonicum
607	5"	12'	12'	Ligustrum japonicum
608	5"	12'	12'	Ligustrum japonicum
609	5"	12'	12'	Ligustrum japonicum
610	5"	12'	12'	Ligustrum japonicum
611	8"	25'	15'	Coconut Palm
612	5"	13'	9'	Thrinax radiata
613	5"	15'	9'	Thrinax radiata
614	5"	12'	8'	Thrinax radiata
615	5"	12'	8'	Thrinax radiata
616	4"	15'	8'	Thrinax radiata
617	7"	20'	12'	Montgomery Palm
618	5"	15'	12'	Montgomery Palm
619	9"	40'	15'	Montgomery Palm
620	9"	40'	15'	Montgomery Palm

Good
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621	9"	40'	15'	Montgomery Palm
622	9"	40'	15'	Montgomery Palm
623	6"	13'	8'	Fan Palm
624	9"	15'	15'	Coconut Palm
625	7"	15'	15'	Coconut Palm
626	8"	25'	15'	Conocarpus erectus
627	8"	25'	15'	Coconut Palm
628	8"	20'	15'	Coconut Palm
629	8"	15'	12'	Coconut Palm
630	8"	15'	12'	Coconut Palm
631	8"	15'	12'	Coconut Palm
632	8"	15'	12'	Coconut Palm
633	8"	15'	12'	Coconut Palm
634	10"	5'	10'	Palm Cluster
635	8"	15'	12'	Coconut Palm
636	8"	15'	12'	Coconut Palm
637	8"	15'	12'	Coconut Palm
638	4"	12'	12'	Simarouba glauca
639	5"	12'	12'	Simarouba glauca
640	15"	30'	15'	Date Palm
641	16"	30'	15'	Date Palm
642	16"	25'	15'	Date Palm
643	17"	25'	15'	Date Palm
644	16"	25'	15'	Date Palm
645	15"	25'	15'	Date Palm
646	17"	30'	15'	Date Palm
647	14"	30'	8'	Date Palm
648	15"	25'	15'	Date Palm
649	15"	25'	15'	Date Palm
650	15"	25'	15'	Date Palm
651	13"	25'	15'	Date Palm
652	16"	20'	15'	Date Palm
653	15"	25'	15'	Date Palm
654	15"	25'	15'	Date Palm
655	17"	25'	15'	Date Palm
656	14"	25'	15'	Date Palm
657	16"	25'	15'	Date Palm
658	12"	12'	15'	Screw Palm
659	12"	10'	12'	Silver Palm
660	7"	12'	12'	Coconut Palm
661	7"	12'	12'	Coconut Palm
662	9"	25'	12'	Coconut Palm
663	8"	20'	12'	Coconut Palm
664	8"	15'	15'	Coconut Palm
665	8"	8'	12'	Coconut Palm
666	9"	20'	12'	Coconut Palm
667	9"	15'	15'	Coconut Palm
668	9"	15'	15'	Coconut Palm

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669	8"	20'	12'	Coconut Palm	
670	7"	20'	12'	Coconut Palm	
671	7"	15'	15'	Coconut Palm	
672	8"	15'	15'	Gumbo Limbo	
673	6"	12'	12'	Gumbo Limbo	
674	5"	15'	12'	Ilex species	Good
675	5"	15'	12'	Ilex species	Good
676	3"	15'	8'	Ilex species	Good
677	3"	15'	10'	Ilex species	Good
678	5"	15'	12'	Ilex species	Good
679	8"	12'	15'	Ilex species	Good
680	3"	12'	12'	Ilex species	Moderate
681	4"	12'	12'	Ilex species	Moderate
682	4"	12'	12'	Ilex species	Good
683	3"	10'	8'	Ilex species	Poor
684	8"	12'	15'	Screw Palm Cluster	
685	3"	15'	10'	Unknown	
686	8"	25'	15'	Coconut Palm	
687	4"	12'	12'	Unknown	
688	7"	25'	15'	Coconut Palm	
689	7"	25'	15'	Coconut Palm	
690	3"	8'	6'	Unknown	
691	12"	35'	28'	Ilex species	Moderate
692	2"	7'	7'	Unknown	
693	7"	20'	12'	Coconut Palm	
694	8"	25'	12'	Coconut Palm	
695	8"	15'	15'	Coconut Palm	
696	8"	15'	15'	Coconut Palm	
697	9"	15'	12'	Fan Palm	
698	10"	15'	12'	Fan Palm	
699	10"	15'	12'	Fan Palm	
700	18"	30'	20'	Date Palm	
701	24"	30'	20'	Date Palm	
702	8"	25'	15'	Coconut Palm	
703	14"	30'	20'	Date Palm	
704	11"	20'	15'	Ravenala madagascariensis	Good
705	11"	20'	15'	Ravenala madagascariensis	Good
706	8"	25'	20'	Coconut Palm	
707	13"	25'	20'	Ravenala madagascariensis	Good
708	14"	30'	20'	Date Palm	
709	5"	8'	8'	Christmas Palm	
710	8"	10'	10'	Fan Palm	
711	6"	12'	12'	Filicium decipiens	Moderate
712	8"	25'	15'	Coconut Palm	
713	10"	30'	15'	Coconut Palm	

714	9"	20'	15'	Coconut Palm	
715	9"	25'	15'	Coconut Palm	
716	4"	15'	10'	Gone	
717	8"	40'	12'	Montgomery Palm	
718	9"	35'	12'	Montgomery Palm	
719	9"	35'	12'	Montgomery Palm	
720	9"	35'	12'	Montgomery Palm	
721	6"	8'	8'	Fan Palm	
722	4"	15'	12'	Thrinax radiata	Good
723	6"	7'	7'	Thrinax radiata	Good
724	4"	20'	12'	Gone	
725	4"	7'	8'	Thrinax radiata	Good
726	4"	15'	8'	Thrinax radiata	Good
727	6"	7'	10'	Palm, Unknown	
728	6"	30'	20'	Ilex species	
729	14"	30'	25'	Ilex species	Good
730	9"	15'	20'	Coconut Palm	
731	9"	25'	20'	Coconut Palm	
732	9"	25'	20'	Coconut Palm	
733	9"	25'	20'	Coconut Palm	
734	12"	30'	20'	Coconut Palm	
735	9"	25'	20'	Coconut Palm	
736	16"	8'	20'	Washingtonia Palm	
737	16"	8'	20'	Washingtonia Palm	
738	16"	8'	20'	Washingtonia Palm	
739	16"	8'	20'	Washingtonia Palm	
740	14"	12'	20'	Washingtonia Palm	
741	14"	6'	20'	Washingtonia Palm	
742	13"	5'	15'	Washingtonia Palm	
743	13"	5'	12'	Washingtonia Palm	
744	14"	7'	15'	Washingtonia Palm	
745	15"	8'	15'	Washingtonia Palm	
746	8"	25'	20'	Coconut Palm	
747	4"	12'	8'	Thrinax radiata	Good
748	4"	12'	8'	Thrinax radiata	Good
749	4"	12'	8'	Thrinax radiata	Good
750	15"	30'	20'	Date Palm	
751	9"	25'	15'	Coconut Palm	
752	7"	15'	10'	Coconut Palm	
753	10"	18'	10'	Coconut Palm	
754	10"	15'	10'	Coconut Palm	
755	8"	15'	10'	Coconut Palm	Moderate
756	7"	12'	10'	Coconut Palm	
757	7"	12'	10'	Coconut Palm	
758	9"	20'	12'	Coconut Palm	
759	9"	20'	12'	Coconut Palm	
760	10"	20'	15'	Coconut Palm	
761	10"	20'	15'	Coconut Palm	

762	8"	25'	20'	Cocos nucifera	Moderate Moderate
763	8"	25'	20'	Ilex species	
764	4"	15'	15'	Fan Palm Cluster	Good
765	10"	20'	15'	Coconut Palm	
766	10"	20'	15'	Coconut Palm	
767	8"	15'	15'	Coconut Palm	
768	10"	20'	15'	Coconut Palm	
769	10"	25'	15'	Coconut Palm	
770	14"	30'	15'	Date Palm	
771	14"	30'	15'	Date Palm	
772	8"	15'	15'	Washingtonia Palm	
773	8"	15'	15'	Washingtonia Palm	
774	9"	15'	15'	Washingtonia Palm	
775	9"	8'	10'	Washingtonia Palm	
776	10"	15'	10'	Washingtonia Palm	
777	12"	12'	12'	Fan Palm	
778	10"	12'	12'	Fan Palm	
779	10"	12'	12'	Fan Palm	
780	8"	20'	12'	Coconut Palm	
781	10"	20'	12'	Coconut Palm	
782	10"	20'	12'	Coconut Palm	
783	9"	15'	12'	Coconut Palm	
784	9"	15'	12'	Coconut Palm	
785	7"	12'	12'	Gumbo Limbo	
786	6"	20'	18'	Bursera simaruba	
787	14"	30'	12'	Date Palm	
788	15"	30'	12'	Date Palm	
789	13"	30'	12'	Date Palm	
790	15"	30'	12'	Date Palm	
791	14"	30'	12'	Date Palm	
792	14"	30'	12'	Date Palm	
793	14"	30'	12'	Date Palm	
794	16"	30'	12'	Date Palm	
795	18"	15'	12'	Date Palm	
796	18"	15'	12'	Date Palm	
797	18"	15'	12'	Date Palm	
798	18"	15'	12'	Date Palm	
799	18"	15'	12'	Date Palm	
800	18"	15'	12'	Date Palm	
801	7"	30'	8'	Coconut Palm	
802	8"	30'	12'	Coconut Palm	
803	8"	25'	15'	Coconut Palm	
804	8"	30'	12'	Coconut Palm	
805	4"	6'	5'	Robellini Cluster	
806	4"	6'	5'	Robellini Cluster	
807	4"	6'	5'	Robellini Cluster	
808	4"	5'	5'	Robellini Cluster	
809	4"	6'	5'	Robellini Cluster	

810	4"	7'	5'	Robellini Cluster	
811	4"	7'	5'	Robellini Cluster	
812	4"	7'	5'	Robellini	
813	4"	6'	5'	Robellini	
814	4"	8'	8'	Clerodendrum quadriloculare	Poor
815	8"	25'	25'	Filicium decipiens	Poor
816	4"	25'	10'	Silver Button Wood	Poor
817	11"	30'	20'	Filicium decipiens	Moderate
818	5"	12'	12'	Conocarpus erectus	Moderate
819	5"	15'	10'	Silver Button Wood	Poor
820	4"	12'	6'	Tabebuia heterophylla	Poor
821	6"	15'	15'	Clusia rosea	Moderate
822	9"	40'	20'	Unknown	
823	5"	15'	10'	Unknown	
824	6"	15'	10'	Unknown	
825	5"	15'	10'	Unknown	
826	9"	20'	20'	Silver Button Wood	
827	14"	25'	25'	Unknown	
828	9"	2'	5'	Washingtonia Palm	
829	9"	2'	5'	Washingtonia Palm	
830	8"	25'	8'	Coconut Palm	
831	8"	25'	8'	Coconut Palm	
832	4"	15'	4'	Fishtail Palm	
833	9"	30'	20'	Ilex species	Poor
834	12"	30'	20'	Ilex species	Moderate
835	13"	30'	20'	Ilex species	Moderate
836	13"	30'	20'	Date Palm	
837	15"	30'	20'	Date Palm	
838	13"	30'	20'	Date Palm	
839	15"	30'	20'	Date Palm	
840	5"	12'	12'	Unknown cluster	
841	5"	12'	12'	Ligustrum japonicum	Moderate
842	5"	12'	12'	Ligustrum japonicum	Poor
843	5"	12'	12'	Ligustrum japonicum	Moderate
844	5"	12'	12'	Ligustrum japonicum	Moderate
845	5"	12'	12'	Ligustrum japonicum	Good
846	5"	12'	12'	Ligustrum japonicum	Good
847	5"	12'	12'	Ligustrum japonicum	Good
848	5"	12'	12'	Ligustrum japonicum	Good
849	4"	6'	5'	Robellini	
850	8"	15'	12'	Coconut Palm	
851	10"	20'	12'	Coconut Palm	
852	9"	25'	12'	Coconut Palm	
853	12"	30'	20'	Date Palm	
854	12"	30'	20'	Date Palm	
855	10"	15'	15'	Gumbo Limbo	
856	12"	20'	20'	Gumbo Limbo	
857	8"	30'	12'	Montgomery Palm	

858	8"	30'	12'	Montgomery Palm	
859	9"	20'	15'	Coconut Palm	
860	9"	20'	15'	Coconut Palm	
861	8"	15'	15'	Coconut Palm	
862	9"	15'	15'	Coconut Palm	
863	9"	20'	15'	Coconut Palm	
864	10"	15'	15'	Coconut Palm	
865	9"	15'	15'	Coconut Palm	
866	9"	20'	15'	Coconut Palm	
867	8"	15'	15'	Coconut Palm	
868	9"	20'	15'	Coconut Palm	
869	9"	20'	15'	Coconut Palm	
870	10"	25'	15'	Coconut Palm	
871	9"	15'	15'	Coconut Palm	
872	4"	15'	15'	Filicium decipiens	Poor
873	7"	20'	12'	Oak	
874	5"	6'	6'	Christmas Palm	
875	5"	15'	12'	Ligustrum japonicum	Good
876	5"	15'	12'	Ligustrum japonicum	Good
877	5"	15'	12'	Ligustrum japonicum	Moderate
878	5"	15'	12'	Ligustrum japonicum	Moderate
879	5"	12'	12'	Ligustrum japonicum	Moderate
880	5"	12'	12'	Ligustrum japonicum	Moderate
881	5"	12'	12'	Ligustrum japonicum	Moderate
882	5"	12'	12'	Ligustrum japonicum	Moderate
883	5"	12'	12'	Ligustrum japonicum	Moderate
884	14"	40'	20'	Date Palm	
885	15"	40'	20'	Date Palm	
886	17"	40'	20'	Date Palm	
887	17"	40'	20'	Date Palm	
888	4"	8'	4'	Robellini Cluster	
889	4"	6'	4'	Robellini Cluster	
890	5"	8'	5'	Robellini Cluster	
891	4"	6'	5'	Robellini Cluster	
892	4"	8'	5'	Robellini Cluster	
893	5"	10'	5'	Robellini Cluster	
894	5"	8'	5'	Robellini Cluster	
895	5"	10'	5'	Robellini Cluster	
896	4"	8'	5'	Robellini Cluster	
897	5"	8'	5'	Robellini	
898	4"	6'	5'	Robellini	
899	8"	35'	12'	Montgomery Palm	
900	8"	35'	12'	Montgomery Palm	
901	9"	35'	12'	Montgomery Palm	
902	8"	35'	12'	Montgomery Palm	
903	8"	20'	12'	Coconut Palm	
904	5"	15'	15'	Clusia rosea	Moderate
905	6"	15'	15'	Clusia rosea	Moderate

906	8"	40'	12'	Montgomery Palm	
907	4"	10'	10'	Christmas Palm	
908	4"	10'	10'	Christmas Palm	
909	5"	10'	10'	Christmas Palm cluster	
910	8"	25'	12'	Montgomery Palm	
911	9"	25'	15'	Coconut Palm	
912	9"	25'	15'	Coconut Palm	
913	5"	6'	8'	Conocarpus erectus sericeus	Moderate
914	5"	6'	8'	Conocarpus erectus sericeus	Moderate
915	6"	12'	8'	Silver Button Wood	
916	5"	15'	8'	Silver Button Wood	
917	7"	15'	10'	Conocarpus erectus sericeus	Moderate
918	8"	28'	20'	Conocarpus erectus	Moderate
919	10"	30'	20'	Conocarpus erectus	Poor
920	9"	25'	20'	Conocarpus erectus	Moderate
921	9"	20'	12'	Christmas Palm	
922	9"	25'	12'	Christmas Palm	
923	8"	25'	12'	Christmas Palm	
924	9"	25'	12'	Christmas Palm	
925	9"	20'	15'	Coconut Palm	
926	8"	25'	15'	Coconut Palm	
927	8"	20'	15'	Coconut Palm	
928	10"	25'	15'	Coconut Palm	
929	12"	30'	15'	Coconut Palm	
930	13"	30'	15'	Coconut Palm	
931	12"	30'	15'	Coconut Palm	
932	12"	30'	15'	Coconut Palm	
933	13"	30'	15'	Coconut Palm	
934	12"	25'	15'	Coconut Palm	
935	12"	25'	15'	Coconut Palm	
936	8"	20'	15'	Coconut Palm	
937	10"	25'	15'	Coconut Palm	
938	10"	25'	15'	Coconut Palm	
939	9"	25'	15'	Coconut Palm	
940	8"	20'	15'	Coconut Palm	
941	14"	45'	20'	Date Palm	
942	14"	45'	20'	Date Palm	
943	13"	35'	20'	Date Palm	
944	14"	35'	20'	Date Palm	
945	14"	30'	15'	Date Palm	
946	14"	30'	15'	Date Palm	
947	14"	30'	15'	Date Palm	
948	12"	30'	15'	Date Palm	
949	13"	30'	15'	Date Palm	
950	12"	30'	15'	Date Palm	
951	14"	30'	15'	Date Palm	

952	14"	30'	15'	Date Palm	Good	
953	14"	30'	15'	Date Palm		
954	14"	30'	15'	Date Palm		
955	16"	30'	15'	Date Palm		
956	8"	25'	12'	Coconut Palm		
957	8"	20'	10'	Coconut Palm		
958	8"	25'	12'	Coconut Palm		
959	8"	25'	12'	Coconut Palm		
960	8"	25'	12'	Coconut Palm		
961	8"	25'	12'	Coconut Palm		
962	8"	25'	12'	Coconut Palm		
963	8"	25'	12'	Coconut Palm		
964	8"	25'	12'	Coconut Palm		
965	4"	8'	8'	Robellini Cluster		
966	9"	40'	12'	Coconut Palm		
967	10"	40'	12'	Coconut Palm		
968	15"	40'	15'	Date Palm		
969	13"	40'	15'	Date Palm		
970	13"	40'	15'	Date Palm		
971	13"	40'	15'	Date Palm		
972	10"	45'	26'	Cocos nucifera	Good	
973	5"	15'	15'	Ligustrum japonicum	Good	
974	5"	15'	15'	Ligustrum japonicum	Good	
975	5"	15'	15'	Ligustrum japonicum	Good	
976	5"	15'	15'	Ligustrum japonicum	Good	
977	5"	15'	15'	Ligustrum japonicum	Good	
978	5"	15'	15'	Ligustrum japonicum	Good	
979	6"	15'	15'	Ligustrum japonicum	Good	
980	6"	15'	15'	Ligustrum japonicum	Good	
981	12"	6'	8'	Bottle Palm	Good	
982	15"	5'	8'	Bottle Palm		
983	7"	25'	15'	Montgomery Palm		
984	7"	30'	15'	Montgomery Palm		
985	8"	40'	15'	Montgomery Palm		
986	8"	40'	15'	Montgomery Palm		
987	8"	40'	15'	Montgomery Palm		
988	8"	40'	15'	Montgomery Palm		
989	5"	6'	6'	Ligustrum japonicum		
990	8"	15'	12'	Montgomery Palm		
991	12"	25'	15'	Coconut Palm		
992	12"	30'	15'	Coconut Palm		
993	10"	30'	15'	Coconut Palm		
994	6"	12'	12'	Silver Button Wood		
995	6"	15'	15'	Quercus virginiana		Moderate
996	5"	15'	15'	Quercus virginiana		Moderate
997	5"	15'	12'	Quercus virginiana		Poor
998	6"	20'	15'	Quercus virginiana		Moderate
999	5"	20'	15'	Quercus virginiana		Moderate

1000	7"	20'	15'	Quercus virginiana	Moderate
1001	6"	20'	20'	Quercus virginiana	Moderate
1002	6"	20'	15'	Quercus virginiana	Poor
1003	8"	20'	15'	Oak	
1004	7"	20'	15'	Oak	
1005	8"	20'	15'	Oak	
1006	7"	20'	15'	Oak	
1007	6"	20'	15'	Oak	
1008	8"	20'	15'	Oak	
1009	7"	20'	15'	Oak	
1010	7"	30'	20'	Mahogany	

Trees and palms with scientific names were added by me.

- **Condition ratings were added by me.**
- **I recommend the removal of trees and palms that I rated to be in poor condition.**

Appendix – B - Approximate locations of trees and palms

This document/site plan was not added to this report because of its size.

Appendix – C

ANSI A300 (Part 5) - 2005, Annex A

Management report information

Examples of suitability ratings

Good: These are trees with good health and structural stability that 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. Trees in this category require more intense management and monitoring, and may have shorter life-spans than those in the “good” category.

Poor: 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.

Appendix – D - City of Miami Beach Sec. 46-62

1. Tree protection requirements, In general, and during construction

- a. *General.* All reasonable steps shall be taken to prevent the destruction or damaging of trees for which no tree work permit has been issued during site development and construction on private or public property. Any owner, tenant, contractor or agent thereof who fails to provide tree protection, as set forth herein, shall be subject to enforcement as provided in Sec. 46-67. Trees destroyed or incurring major damage must be replaced by trees of equal environmental value, as specified by the Environment and Sustainability Department Public Works Department, prior to the issuance of the certificate of occupancy or certificate of use, unless removal of the trees has been authorized pursuant to a tree work permit. Tree protection zones must be established for all trees that remain in place on site and for any trees relocated within or to the site. When proposed development activities may damage the root systems or canopies of trees to be retained or relocated on site, alternatives to the proposed activities, or effective protective measures, shall be identified and used.
- b. *Permit/construction drawings.* All permit and construction drawings of the site shall show the tree protection zones, as prescribed by the Environment and Sustainability Department Public Works Department, as shaded areas that are accurately drawn to scale and labeled as such on the drawings. The tree protection zones shall be shown on all drawings that include any underground utility installations, including but not limited to, irrigation, plumbing, electrical, telecommunication or streetlight lines.

The tree protection zones shall be shown on all drawings that include structural installations that will require excavation(s), and for above-ground installations that may include, but is not limited to, such as walkways, street lights, overhead wires or other types of infrastructure.

2. Tree protection specifications

The following tree protection specifications must be adhered to, in general, and as a condition of approval of the site plan for any project. The Urban Forester may require supplemental protection measures to ensure the protection of trees. The Urban Forester and his/her designee shall have the authority to enter the subject property to ensure compliance with required tree protection measures.

a. Protective Barriers

- b. *Placement.* Protective barriers shall be placed at the drip line of each tree, cluster of trees, or preservation area, and in no case less than ten (10) feet from the trunk of any protected tree, tree cluster or preservation area. In situations where trees have been transplanted to the project site, the protective fencing shall be placed no closer to the tree than a point one to two feet outside the root ball, or at the drip line, whichever is greater. The fenced tree protection zones shall be extended where necessary to protect tree canopies roots. If trees are to be preserved in place and root pruning is required to accommodate new construction, the root pruning locations shall be identified and approved by the Environment and Sustainability Department Public Works Department, and fencing shall be installed

one (1) to two (2) feet beyond the edge of the root ball. The installation of the fencing shall be coordinated with any phased root pruning that must occur. Tree maintenance measures must be in place prior to any root pruning or transplanting.

i) Timing and Duration. All protective barriers shall be installed prior to the start of any construction or site development, including tree removal, demolition or land-clearing activities, and shall remain in place throughout all phases of construction. Protective barriers shall be maintained in place until development is completed, and shall not be removed until the Environment and Sustainability Department Public Works Department inspects the site and authorizes their removal.

ii) Barrier Specifications. Sturdy temporary barriers shall be installed around all tree protection zones. Barriers shall be a minimum of four feet high, and shall be constructed of continuous chain link fence with metal posts at 8-foot spacing, or of two-by-four-inch posts with three equally spaced two-by-four inch rails. Posts may be shifted to avoid roots.

b. Activities Within Tree Protection Zones Enclosed By Protective Barriers

i) Understory plants within areas surrounded by protective barriers shall be protected.

ii) No oil, fill, equipment, building materials, building debris, or any other material shall be placed within the areas surrounded by protective barriers.

iii) No disposal of any waste material such as paints, oils, solvents, asphalt, concrete, mortar, or any other material shall occur within the areas surrounded by protective barriers.

iv) Natural grade shall be maintained on areas surrounded by protective barriers. In the event that the natural grade of the site is changed as a result of site development such that the safety of the tree may be endangered, tree wells or retaining walls are required.

v) Only hand digging and grading activities will be permitted within the tree protection zone. All surrounding areas must be graded to a point that meets the outside of the tree protection zone.

vi) Underground utility lines, including, but not limited to, irrigation, plumbing, electrical, or telecommunication lines, shall be placed outside the areas enclosed by protective barriers. If such placement is not possible, disturbance and root damage shall be minimized by using techniques such as tunneling, hand digging, excavation with an air spade, or the use of overhead utility lines.

vii) No vehicles or equipment shall be permitted within areas surrounded by protective barriers.

c. Fences, walkways and walls shall be constructed to avoid disturbance to any tree to remain in place onsite in the vicinity of construction activities. Post holes and trenches located close to trees shall be dug by hand and adjusted as necessary, using techniques to avoid damage to major roots system.

d. No attachments, signs, chains, ropes or wires other than those of a protective or non-damaging nature shall be attached to any trees on publicly owned or controlled property, in general, or during any proposed site development or construction.

Appendix – E – Critical Root Zone and Tree Protection Zone

ANSI A 300 (Part 5) – 2012 Management of Trees and Shrubs during Site Planning, Site Development and Construction

Critical Root Zone (CRZ): The minimum volume of roots necessary to have for tree health and stability.

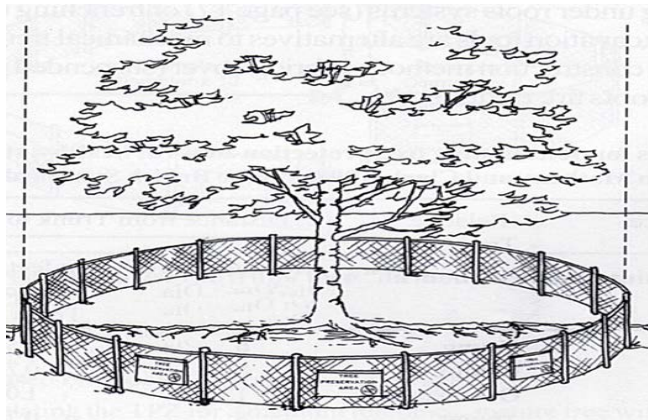
Tree Protection Zone (TPZ): The area surrounding a tree defined by a specified distance, in which excavation and other construction – related activities should be avoided. The TPZ is variable depending on species, factors, age and health of the plant, soil conditions, and proposed construction. The zone may be accomplished by physical barriers or soil protection layers or treatments.

ANSI A300 (Part 5) – 2012 54.7

A tree protection zone (TPZ) shall be delineated around all trees to be protected during a project

- **54.7.1** The area and dimensions of the TPZ should be calculated on the basis of species tolerance, age, and health, root structure, rooting depth and soil conditions.

Appendix – F – 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 –G - 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 – H - 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:



Dated: August 14, 2017