



Arborist Report

10/23/2023

Neal Deputy
Neal Deputy Architect PC
1446 Jefferson Ave
Miami Beach, FL 33139

Dear Neal,

as requested by you I inspected the site 1350 Michigan Avenue, Miami Beach, FL 33139 in order to document the trees and palms growing on the property and review the proposed construction in regards to existing trees.

You provided me with a property survey, I used the survey and added the tree locations. You explained the proposed construction to me on site. The construction work will take place in the back part of the property.

Inspection:

I visited the site on October 23rd 2023 and found 74 (#1-74) trees, palms and palm cluster /groups of palms growing on the property. 2 palms (A,B) grow in the right-of-way along Michigan Avenue and 3 trees (D,E,F) on the adjacent property to the north.

The trees on the property were measured for diameter at breast height and spread, the height was estimated by triangulation and the condition rated in 3 categories (poor, fair, good) - see attached tree table, tree location sketch and pictures.

The vast majority of the documented plants are recently planted Areca Palms that form a perimeter hedge. Some recently planted Traveler's Palms are present that do not have a DBH and are therefore not included.

In the backyard grows a group of Coconut Palms (#58-64) that are in the area of the proposed construction. Of these palms only #58 could remain. The other palms have a pronounced horizontal growth pattern (adventitious root growth indicating areas of mechanical stress on the lower stems) and grow as a cluster with a shared root system that prohibits successful transplanting. I recommend the removal of these palms. Areca Palms #56,57 could be transplanted on site with 3 foot root ball diameter, no root or crown pruning is required because the palms have recently been planted.

Mitigation requirements should be waived for palm #59 which grows next to the power lines that run on the west side of the property (-see attached pictures), creating a constant conflict/ electrical hazard.

I recommend to protect the remaining plants with protective fencing as indicated in the location sketch. Because the ingress and egress route for the proposed addition is through the alleyway and the work will be limited to the west side of the property the tree protection should be limited to the work area.

A handwritten signature in black ink, appearing to read 'S. Koerber', with a stylized flourish at the end.

Sebastian Koerber

Board Certified Master Arborist (ISA GA-0009B)

Attachments: 1 tree table; 2 sketches of approximate tree locations; 19 pictures;

	Common Name	Scientific Name	DBH inch	Height feet	Spread feet	CRZ R-ft.	TPZ R-ft.	Condition
A	Royal Palm	<i>Roystonea regia</i>	41 (3)	50	30	7	5	Good
B	Coconut	<i>Cocos nucifera</i>	11	60	20	5	5	Fair
C	Avocado	<i>Persea americana</i>	16 (est.)	32	25	8	7	Fair
D	Mahogany	<i>Swietenia mahagoni</i>	12 (2 est.)	25	15	5	5	Poor
E	Strangler Fig	<i>Ficus aurea</i>	7 (est.)	26	15	5	5	Poor
1	Areca	<i>Dyopsis lutescens</i>	multi >3	8	5	2	2	Fair
2	Areca	<i>Dyopsis lutescens</i>	multi >3	20	10	3	3	Fair
3	Areca	<i>Dyopsis lutescens</i>	multi >3	18	10	3	3	Fair
4	Areca	<i>Dyopsis lutescens</i>	multi >3	25	10	3	3	Fair
5	Areca	<i>Dyopsis lutescens</i>	multi >3	8	5	2	2	Fair
6	Areca	<i>Dyopsis lutescens</i>	multi >3	18	8	3	3	Fair
7	Areca	<i>Dyopsis lutescens</i>	multi >3	12	5	2	2	Fair
8	Areca	<i>Dyopsis lutescens</i>	multi >3	10	5	2	2	Fair
9	Traveler's Palm	<i>Ravenala madagascariensis</i>	11	30	10	4	4	Fair
10	Traveler's Palm	<i>Ravenala madagascariensis</i>	11	28	10	4	4	Fair
11	Areca	<i>Dyopsis lutescens</i>	multi >3	9	5	2	2	Fair

	Common Name	Scientific Name	DBH inch	Height feet	Spread feet	CRZ R-ft.	TPZ R-ft.	Condition
12	Areca	<i>Dypsis lutescens</i>	multi >3	14	5	3	3	Fair
13	Areca	<i>Dypsis lutescens</i>	multi >3	12	5	3	3	Fair
14	Areca	<i>Dypsis lutescens</i>	multi >3	12	5	3	3	Fair
15	Areca	<i>Dypsis lutescens</i>	multi >3	10	5	2	2	Fair
16	Ponytail Palm	<i>Beaucarnea recurvata</i>	16	16	5	6	5	Fair
17	Areca	<i>Dypsis lutescens</i>	multi >3	12	8	2	2	Fair
18	Areca	<i>Dypsis lutescens</i>	multi >3	12	8	2	2	Fair
19	Areca	<i>Dypsis lutescens</i>	multi >3	12	8	2	2	Fair
20	Areca	<i>Dypsis lutescens</i>	multi >3	12	8	2	2	Fair
21	Areca	<i>Dypsis lutescens</i>	multi >3	12	8	2	2	Fair
22	Areca	<i>Dypsis lutescens</i>	multi >3	12	8	2	2	Fair
23	Areca	<i>Dypsis lutescens</i>	multi >3	12	8	2	2	Fair
24	Areca	<i>Dypsis lutescens</i>	multi >3	12	8	2	2	Fair
25	Areca	<i>Dypsis lutescens</i>	multi >3	12	8	2	2	Fair
26	Areca	<i>Dypsis lutescens</i>	multi >3	12	8	2	2	Fair
27	Areca	<i>Dypsis lutescens</i>	multi >3	12	8	2	2	Fair
28	Areca	<i>Dypsis lutescens</i>	multi >3	12	8	2	2	Fair
29	Areca	<i>Dypsis lutescens</i>	multi >3	12	8	2	2	Fair

	Common Name	Scientific Name	DBH inch	Height feet	Spread feet	CRZ R-ft.	TPZ R-ft.	Condition
30	Areca	<i>Dyopsis lutescens</i>	multi >3	12	8	2	2	Fair
31	Areca	<i>Dyopsis lutescens</i>	multi >3	12	8	2	2	Fair
32	Areca	<i>Dyopsis lutescens</i>	multi >3	12	8	2	2	Fair
33	Areca	<i>Dyopsis lutescens</i>	multi >3	12	8	2	2	Fair
34	Areca	<i>Dyopsis lutescens</i>	multi >3	12	8	2	2	Fair
35	Areca	<i>Dyopsis lutescens</i>	multi >3	12	8	2	2	Fair
36	Areca	<i>Dyopsis lutescens</i>	multi >3	12	8	2	2	Fair
37	Areca	<i>Dyopsis lutescens</i>	multi >3	12	8	2	2	Fair
38	Areca	<i>Dyopsis lutescens</i>	multi >3	12	8	2	2	Fair
39	Areca	<i>Dyopsis lutescens</i>	multi >3	12	8	2	2	Fair
40	Areca	<i>Dyopsis lutescens</i>	multi >3	12	8	2	2	Fair
41	Areca	<i>Dyopsis lutescens</i>	multi >3	12	8	2	2	Fair
42	Areca	<i>Dyopsis lutescens</i>	multi >3	12	8	2	2	Fair
43	Areca	<i>Dyopsis lutescens</i>	multi >3	12	8	2	2	Fair
44	Areca	<i>Dyopsis lutescens</i>	multi >3	12	8	2	2	Fair
45	Areca	<i>Dyopsis lutescens</i>	multi >3	12	8	2	2	Fair
46	Areca	<i>Dyopsis lutescens</i>	multi >3	12	8	2	2	Fair
47	Areca	<i>Dyopsis lutescens</i>	multi >3	12	8	2	2	Fair

	Common Name	Scientific Name	DBH inch	Height feet	Spread feet	CRZ R-ft.	TPZ R-ft.	Condition
48	Areca	<i>Dyopsis lutescens</i>	multi >3	12	8	2	2	Fair
49	Areca	<i>Dyopsis lutescens</i>	multi >3	12	8	2	2	Fair
50	Areca	<i>Dyopsis lutescens</i>	multi >3	12	8	2	2	Fair
51	Areca	<i>Dyopsis lutescens</i>	multi >3	12	8	2	2	Fair
52	Areca	<i>Dyopsis lutescens</i>	multi >3	12	8	2	2	Fair
53	Areca	<i>Dyopsis lutescens</i>	multi >3	12	8	2	2	Fair
54	Areca	<i>Dyopsis lutescens</i>	multi >3	12	8	2	2	Fair
55	Areca	<i>Dyopsis lutescens</i>	multi >3	12	8	2	2	Fair
56	Areca	<i>Dyopsis lutescens</i>	multi >3	12	8	2	2	Fair
57	Areca	<i>Dyopsis lutescens</i>	multi >3	12	8	2	2	Fair
58	Coconut	<i>Cocos nucifera</i>	9	40	20	4	4	Fair
59	Coconut	<i>Cocos nucifera</i>	6	24	15	4	4	Fair
60	Coconut	<i>Cocos nucifera</i>	6	20	15	4	4	Fair
61	Coconut	<i>Cocos nucifera</i>	6	28	15	4	4	Fair
62	Coconut	<i>Cocos nucifera</i>	7	38	20	4	4	Fair
63	Coconut	<i>Cocos nucifera</i>	6	26	15	4	4	Fair
64	Coconut	<i>Cocos nucifera</i>	7	24	15	4	4	Fair
65	Areca	<i>Dyopsis lutescens</i>	multi >3	12	6	2	2	Fair

	Common Name	Scientific Name	DBH inch	Height feet	Spread feet	CRZ R-ft.	TPZ R-ft.	Condition
66	Areca	<i>Dyopsis lutescens</i>	multi >3	12	6	2	2	Fair
67	Areca	<i>Dyopsis lutescens</i>	multi >3	12	6	2	2	Fair
68	Areca	<i>Dyopsis lutescens</i>	multi >3	12	6	2	2	Fair
69	Areca	<i>Dyopsis lutescens</i>	multi >3	12	6	2	2	Fair
70	Areca	<i>Dyopsis lutescens</i>	multi >3	12	6	2	2	Fair
71	Areca	<i>Dyopsis lutescens</i>	multi >3	12	6	2	2	Fair
72	Areca	<i>Dyopsis lutescens</i>	multi >3	12	6	2	2	Fair
73	Areca	<i>Dyopsis lutescens</i>	multi >3	12	6	2	2	Fair
74	Areca	<i>Dyopsis lutescens</i>	multi >3	12	6	2	2	Fair

















