

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 he 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.

Sebastian Koerber

Board Certified Master Arborist (ISA GA-0009B)

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

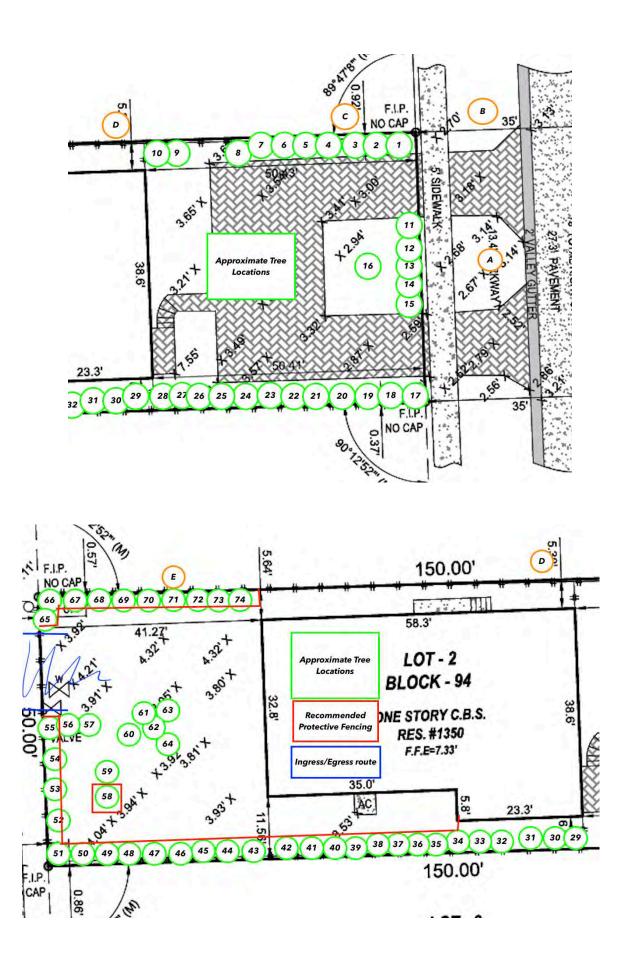
	Common Name	Scientific Name	DBH inch	Height feet	Spread feet	CRZ R-ft.	TPZ R-ft.	Condition
А	Royal Palm	Roystonea regia	41 (3)	50	30	7	5	Good
В	Coconut	Cocos nucifera	11	60	20	5	5	Fair
С	Avocado	Persea americana	16 (est.)	32	25	8	7	Fair
D	Mahogany	Swietenia mahagoni	12 (2 est.)	25	15	5	5	Poor
Е	Strangler Fig	Ficus aurea	7 (est.)	26	15	5	5	Poor
1	Areca	Dypsis lutescens	multi >3	8	5	2	2	Fair
2	Areca	Dypsis lutescens	multi >3	20	10	3	3	Fair
3	Areca	Dypsis lutescens	multi >3	18	10	3	3	Fair
4	Areca	Dypsis lutescens	multi >3	25	10	3	3	Fair
5	Areca	Dypsis lutescens	multi >3	8	5	2	2	Fair
6	Areca	Dypsis lutescens	multi >3	18	8	3	3	Fair
7	Areca	Dypsis lutescens	multi >3	12	5	2	2	Fair
8	Areca	Dypsis lutescens	multi >3	10	5	2	2	Fair
9	Traveler's Palm	Ravenala madagascari ensis	11	30	10	4	4	Fair
10	Traveler's Palm	Ravenala madagascari ensis	11	28	10	4	4	Fair
11	Areca	Dypsis lutescens	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	Dypsis lutescens	multi >3	14	5	3	3	Fair
13	Areca	Dypsis lutescens	multi >3	12	5	3	3	Fair
14	Areca	Dypsis lutescens	multi >3	12	5	3	3	Fair
15	Areca	Dypsis lutescens	multi >3	10	5	2	2	Fair
16	Ponytail Palm	Beaucarnea recurvata	16	16	5	6	5	Fair
17	Areca	Dypsis lutescens	multi >3	12	8	2	2	Fair
18	Areca	Dypsis lutescens	multi >3	12	8	2	2	Fair
19	Areca	Dypsis lutescens	multi >3	12	8	2	2	Fair
20	Areca	Dypsis lutescens	multi >3	12	8	2	2	Fair
21	Areca	Dypsis lutescens	multi >3	12	8	2	2	Fair
22	Areca	Dypsis lutescens	multi >3	12	8	2	2	Fair
23	Areca	Dypsis lutescens	multi >3	12	8	2	2	Fair
24	Areca	Dypsis lutescens	multi >3	12	8	2	2	Fair
25	Areca	Dypsis lutescens	multi >3	12	8	2	2	Fair
26	Areca	Dypsis lutescens	multi >3	12	8	2	2	Fair
27	Areca	Dypsis lutescens	multi >3	12	8	2	2	Fair
28	Areca	Dypsis lutescens	multi >3	12	8	2	2	Fair
29	Areca	Dypsis lutescens	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	Dypsis lutescens	multi >3	12	8	2	2	Fair
31	Areca	Dypsis lutescens	multi >3	12	8	2	2	Fair
32	Areca	Dypsis lutescens	multi >3	12	8	2	2	Fair
33	Areca	Dypsis lutescens	multi >3	12	8	2	2	Fair
34	Areca	Dypsis lutescens	multi >3	12	8	2	2	Fair
35	Areca	Dypsis lutescens	multi >3	12	8	2	2	Fair
36	Areca	Dypsis lutescens	multi >3	12	8	2	2	Fair
37	Areca	Dypsis lutescens	multi >3	12	8	2	2	Fair
38	Areca	Dypsis lutescens	multi >3	12	8	2	2	Fair
39	Areca	Dypsis lutescens	multi >3	12	8	2	2	Fair
40	Areca	Dypsis lutescens	multi >3	12	8	2	2	Fair
41	Areca	Dypsis lutescens	multi >3	12	8	2	2	Fair
42	Areca	Dypsis lutescens	multi >3	12	8	2	2	Fair
43	Areca	Dypsis lutescens	multi >3	12	8	2	2	Fair
44	Areca	Dypsis lutescens	multi >3	12	8	2	2	Fair
45	Areca	Dypsis lutescens	multi >3	12	8	2	2	Fair
46	Areca	Dypsis lutescens	multi >3	12	8	2	2	Fair
47	Areca	Dypsis lutescens	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	Dypsis lutescens	multi >3	12	8	2	2	Fair
49	Areca	Dypsis lutescens	multi >3	12	8	2	2	Fair
50	Areca	Dypsis lutescens	multi >3	12	8	2	2	Fair
51	Areca	Dypsis lutescens	multi >3	12	8	2	2	Fair
52	Areca	Dypsis lutescens	multi >3	12	8	2	2	Fair
53	Areca	Dypsis lutescens	multi >3	12	8	2	2	Fair
54	Areca	Dypsis lutescens	multi >3	12	8	2	2	Fair
55	Areca	Dypsis lutescens	multi >3	12	8	2	2	Fair
56	Areca	Dypsis lutescens	multi >3	12	8	2	2	Fair
57	Areca	Dypsis lutescens	multi >3	12	8	2	2	Fair
58	Coconut	Cocos nucifera	9	40	20	4	4	Fair
59	Coconut	Cocos nucifera	6	24	15	4	4	Fair
60	Coconut	Cocos nucifera	6	20	15	4	4	Fair
61	Coconut	Cocos nucifera	6	28	15	4	4	Fair
62	Coconut	Cocos nucifera	7	38	20	4	4	Fair
63	Coconut	Cocos nucifera	6	26	15	4	4	Fair
64	Coconut	Cocos nucifera	7	24	15	4	4	Fair
65	Areca	Dypsis lutescens	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	Dypsis lutescens	multi >3	12	6	2	2	Fair
67	Areca	Dypsis lutescens	multi >3	12	6	2	2	Fair
68	Areca	Dypsis lutescens	multi >3	12	6	2	2	Fair
69	Areca	Dypsis lutescens	multi >3	12	6	2	2	Fair
70	Areca	Dypsis lutescens	multi >3	12	6	2	2	Fair
71	Areca	Dypsis lutescens	multi >3	12	6	2	2	Fair
72	Areca	Dypsis lutescens	multi >3	12	6	2	2	Fair
73	Areca	Dypsis lutescens	multi >3	12	6	2	2	Fair
74	Areca	Dypsis lutescens	multi >3	12	6	2	2	Fair

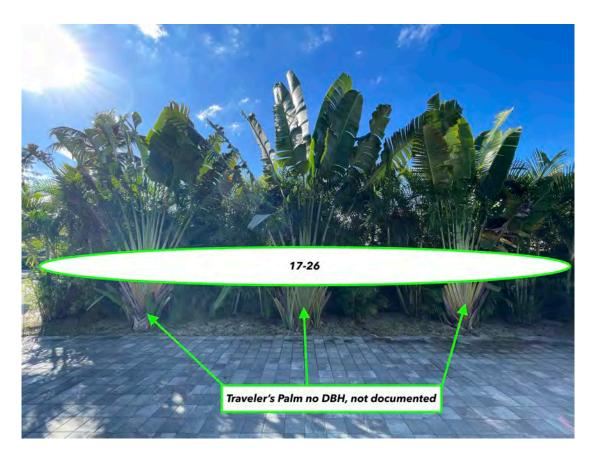




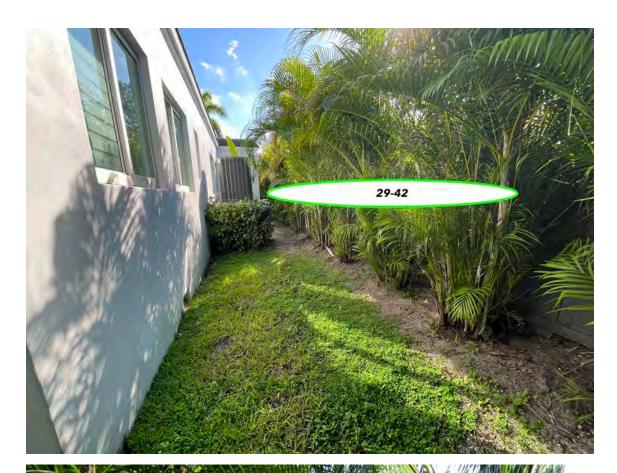












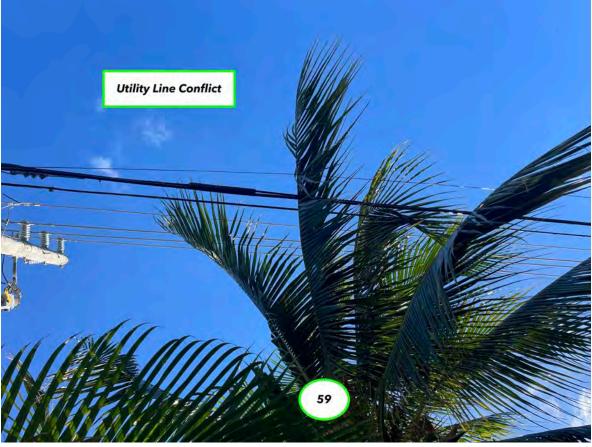


TREAGE, LLC 2848 CHUCUNANTAH ROAD MIAMI, FL 33131









TREAGE, LLC 2848 CHUCUNANTAH ROAD MIAMI, FL 33131

