

STAFF REPORT

DATE: December 30, 2016

RE: **3900 S. Roosevelt Blvd**
(permit application # T16-8214)

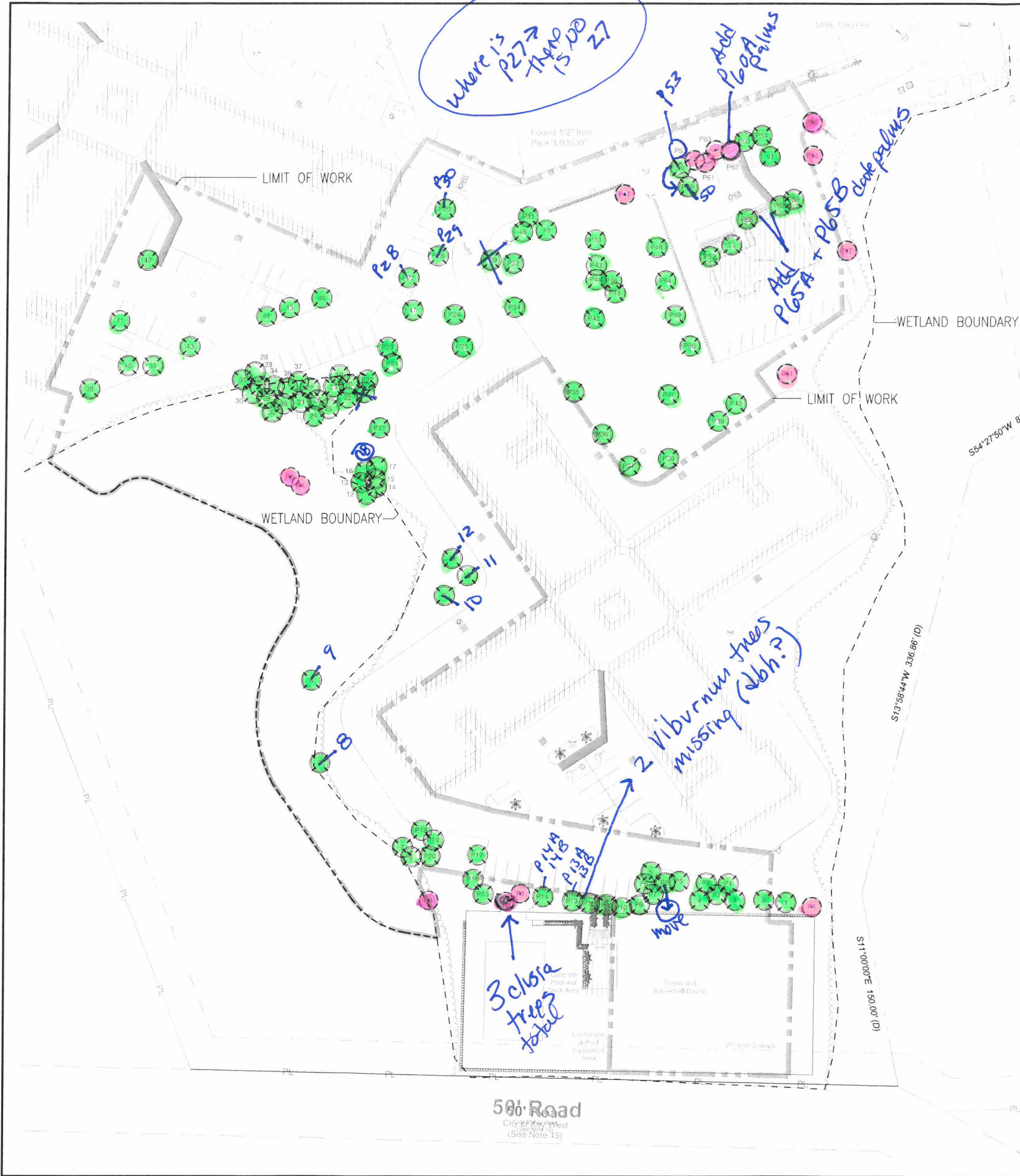
FROM: Karen DeMaria, City of Key West Urban Forestry Manager

An application was received for Conceptual Landscape Plan Approval with Tree Removal. Information regarding the existing trees on the property and the wetland areas to be impacted by the proposed development have been included in this report. As of December 30, 2016, corrections were needed to the submitted drawings.

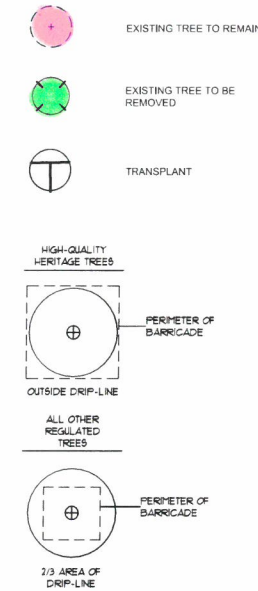
It does not appear that the Conceptual Landscape Plan submitted incorporates all the required tree removal replacements (approximately 661 caliper inches of approved dicot trees and approximately 57 native palms, 4 ft tall each). The plan does include over 70% native vegetation.

Most of the trees and palms are to be removed. There are no planned transplants of trees or palms even though there are many palms and a few younger dicot trees that would be suitable for transplanting on the property away from the proposed development.

The plans must also include a statement that all Brazilian Pepper plants will be removed from the entire property. The property owner is working with the South Florida Water Management District regarding impacts to an existing permitted stormwater drainage area and impacts to adjacent wetland areas. Old regulatory permits with the Federal and State government agencies do exist for this property.



LEGEND & SYMBOLS



MAP ID	Latin Name	Common Name	DBH / Clear Wood (ft)	Existing Condition	Impact
1	Clusia rosea	Autograph Tree	2.2	Good	Remove
2	Clusia rosea	Autograph Tree	2.2	Good	Remove
3	Clusia rosea	Autograph Tree	2.5	Good	Remove
4	Clusia rosea	Autograph Tree	2.8	Good	Remove
5	Pongamia pinnata	Pongam Tree	10	Good	Remove
6	Conocarpus erectus	Buttonwood	26.6	Good	Remove
7	Conocarpus erectus	Buttonwood	13.5	Good	Remove
8	Prithcellobium keyense	Blackhead	19	Good	Remove
9	Conocarpus erectus	Buttonwood	66.3	Good	Remove
10	Pongamia pinnata	Pongam Tree	12.1	Good	Remove
11	Pongamia pinnata	Pongam Tree	10.3	Good	Remove
12	Pongamia pinnata	Pongam Tree	19.4	Good	Remove
13	Prithcellobium keyense	Blackhead	0.7	Fair	Remove
14	Entolasia	Blackhead	1.8	Fair	Remove
15	Prithcellobium keyense	Blackhead	0.8	Good	Remove
16	Conocarpus erectus	Buttonwood	38.6	Good	Remove
17	Guajera discolor	Bolly	1.5	Good	Remove
18	Eugenia florida	Spanish Stopper	2	Good	Remove
19	Conocarpus erectus	Buttonwood	13.3	Good	Remove
20	Prithcellobium keyense	Blackhead	9	Good	Remove
21	Guajera discolor	Bolly	14	Good	Remove
22	Pongamia pinnata	Pongam Tree	3	Good	Remove
23	Ficus cordata	Shortleaf Fig	4	Good	Remove
24	Conocarpus erectus	Buttonwood	52	Good	Remove
25	Conocarpus erectus	Buttonwood	20	Poor	Remove
26	Bumelia sinuata	Gumbo Limbo	4.8	Good	Remove
27	Melospiza tovarum	Poisonwood	5	Good	Remove
28	Pongamia pinnata	Pongam Tree	6	Good	Remove
29	Melospiza tovarum	Poisonwood	1	Good	Remove
30	Conocarpus erectus	Buttonwood	32.8	Good	Remove
31	Conocarpus erectus	Buttonwood	13	Good	Remove
32	Conocarpus erectus	Buttonwood	15.5	Good	Remove
33	Conocarpus erectus	Buttonwood	13.5	Good	Remove
34	Conocarpus erectus	Buttonwood	7	Good	Remove
35	Conocarpus erectus	Buttonwood	14.5	Good	Remove
36	Conocarpus erectus	Buttonwood	11.5	Good	Remove
37	Prithcellobium keyense	Blackhead	1	Good	Remove
38	Sweetenia mahagoni	Mahogany	39.2	Poor	Remove
39	Sweetenia mahagoni	Mahogany	17.6	Poor	Remove
40	Sweetenia mahagoni	Mahogany	14.9	Good	Remove
41	Sweetenia mahagoni	Mahogany	15.6	Good	Remove
42	Conocarpus erectus	Buttonwood	19.6	Good	Remove
43	Sweetenia mahagoni	Mahogany	20.5	Poor	Remove
44	Sweetenia mahagoni	Mahogany	11.6	Poor	Remove
45	Sweetenia mahagoni	Mahogany	15.7	Fair	Remove
46	Sweetenia mahagoni	Mahogany	11.2	Fair	Remove
47	Pongamia pinnata	Pongam Tree	28.2	Good	Remove
48	Conocarpus erectus	Buttonwood	71.5	Good	Remove
49	Conocarpus erectus	Buttonwood	52.7	Good	Remove
50	Bumelia sinuata	Gumbo Limbo	5.5	Good	Remove
51	Bumelia sinuata	Gumbo Limbo	6.5	Good	Remove
52	Conocarpus erectus	Pigeon Plum	6.5	Good	Remove

R1	Clusia rosea	Autograph Tree	3.2	Good	Remain
R2	Clusia rosea	Autograph Tree	3	Good	Remain
R3	Conocarpus erectus	Buttonwood	5.8	Good	Remain
R4	Conocarpus erectus	Buttonwood	6	Good	Remain
R5	Conocarpus erectus	Buttonwood	6	Good	Remain

Total "Poor/Low" Inches Removed	#R11
Total "Good" Inches Removed	#R21
Total Inches Provided	180

ALL INVASIVE SPECIES SHALL BE REMOVED FROM SITE

MAP ID	Latin Name	Common Name	DBH / Clear Wood (ft)	Impact
P1	Cocos nucifera	Coconut Palm	16.1	Remove
P2	Cocos nucifera	Coconut Palm	4	Remove
P3	Cocos nucifera	Coconut Palm	6.2	Remove
P4	Cocos nucifera	Coconut Palm	3	Remove
P5	Phoenix canariensis	Canary Island Date Palm	5	Remove
P6	Cocos nucifera	Coconut Palm	2	Remove
P7	Cocos nucifera	Coconut Palm	2.5	Remove
P8	Cocos nucifera	Coconut Palm	6.7	Remove
P9	Phoenix roebelenii	Pygmy Date Palm	6.5	Remove
P10	Adonidia merrillii	Christmas Palm	11.8	Remove
P11	Adonidia merrillii	Christmas Palm	11.8	Remove
P12	Phoenix canariensis	Canary Island Date Palm	9.1	Remove
P13	Adonidia merrillii	Christmas Palm	11.1	Remove
P14	Adonidia merrillii	Christmas Palm	11.1	Remove
P15	Cocos nucifera	Coconut Palm	2	Remove
P16	Cocos nucifera	Coconut Palm	4	Remove
P17	Phoenix canariensis	Canary Island Date Palm	4	Remove
P18	Cocos nucifera	Coconut Palm	1	Remove
P19	Cocos nucifera	Coconut Palm	1	Remove
P20	Cocos nucifera	Coconut Palm	3	Remove
P21	Cocos nucifera	Coconut Palm	15.4	Remove
P22	Cocos nucifera	Coconut Palm	15.6	Remove
P23	Cocos nucifera	Coconut Palm	15.9	Remove
P24	Cocos nucifera	Coconut Palm	15.9	Remove
P25	Cocos nucifera	Coconut Palm	13.2	Remove
P26	Cocos nucifera	Coconut Palm	24.2	Remove
P27	Pongamia pinnata	Pongam Tree	28.2	Remove
P28	Cocos nucifera	Coconut Palm	18.5	Remove
P29	Cocos nucifera	Coconut Palm	15.4	Remove
P30	Cocos nucifera	Coconut Palm	17.1	Remove
P31	Cocos nucifera	Coconut Palm	25.3	Remove
P32	Cocos nucifera	Coconut Palm	21	Remove
P33	Cocos nucifera	Coconut Palm	17.9	Remove
P34	Cocos nucifera	Coconut Palm	15.11	Remove
P35	Cocos nucifera	Coconut Palm	16.1	Remove
P36	Cocos nucifera	Coconut Palm	20.11	Remove
P37	Cocos nucifera	Coconut Palm	23.3	Remove
P38	Cocos nucifera	Coconut Palm	20.6	Remove
P39	Cocos nucifera	Coconut Palm	18.7	Remove
P40	Cocos nucifera	Coconut Palm	15.4	Remove
P41	Cocos nucifera	Coconut Palm	18.1	Remove
P42	Cocos nucifera	Coconut Palm	19.2	Remove
P43	Bismarckia nobilis	Bismarck Palm	1	Remove
P44	Bismarckia nobilis	Bismarck Palm	1	Remove
P45	Bismarckia nobilis	Bismarck Palm	2	Remove
P46	Bismarckia nobilis	Bismarck Palm	2	Remove
P47	Phoenix canariensis	Canary Island Date Palm	5.7	Remove
P48	Cocos nucifera	Coconut Palm	18.7	Remove
P49	Cocos nucifera	Coconut Palm	20.9	Remove
P50	Cocos nucifera	Coconut Palm	18.1	Remove
P51	Cocos nucifera	Coconut Palm	18.1	Remove
P52	Ptychosperma elegans	Alexander Palm	19.11	Remove
P53	Phoenix canariensis	Canary Island Date Palm	9.1	Remove
P54	Phoenix canariensis	Canary Island Date Palm	10.8	Remove
P55	Cocos nucifera	Coconut Palm	17.6	Remain
P56	Phoenix canariensis	Canary Island Date Palm	4	Remain
P57	Cocos nucifera	Coconut Palm	17.2	Remain
P58	Ptychosperma elegans	Alexander Palm	19	Remain
P59	Ptychosperma elegans	Alexander Palm	15	Remain
P60	Ptychosperma elegans	Alexander Palm	15.5	Remain
P61	Bismarckia nobilis	Bismarck Palm	2	Remain
P62	Ptychosperma elegans	Alexander Palm	15	Remain
P63	Ptychosperma elegans	Alexander Palm	15	Remain
P64	Cocos nucifera	Coconut Palm	17.11	Remove
P65	Phoenix roebelenii	Pygmy Date Palm	6	Remove



Littlejohn
An S&ME Company
1615 Edgewater Drive, Suite 300, Orlando, Florida 32804
T 407.975.1273 F 407.975.1278
Leonard E. Arnold, Jr. P.E. 55341
Bruce C. Hall P.L.A. LA0001367
Florida Firm Registration No. 28050

OCEAN WALK
KEY WEST, FL



DATE	REVISIONS
06.15.16	527116021

L0.01
DEMOLITION
PLAN

Map ID	Latin Name	Common Name	Clear Wood (ft)	Impact	REGULATED
P1	Cocos nucifera	Coconut Palm	16.1	?	Yes
P2	Cocos nucifera	Coconut Palm	4	Remove	Yes
P3	Cocos nucifera	Coconut Palm	6.2	Remove	Yes
P4	Cocos nucifera	Coconut Palm	3	Remove	Yes
P5	Phoenix canariensis	Canary Island Date Palm	9.1	Remove	No
P6	Cocos nucifera	Coconut Palm	2	Remove	Yes
P10	Adonidia merrillii	Christmas Palm	11.8	Remove	Yes
P11	Adonidia merrillii	Christmas Palm	11.8	Remove	Yes
P12	Phoenix canariensis	Canary Island Date Palm	4	Remove	No
P13A	Adonidia merrillii	Christmas Palm	11.1	Remove	Yes
P13B	Adonidia merrillii	Christmas Palm	11.1	Remove	Yes
P14A	Adonidia merrillii	Christmas Palm	11.1	Remove	Yes
P14B	Adonidia merrillii	Christmas Palm	11.1	Remove	Yes
P15	Cocos nucifera	Coconut Palm	2	Remove	Yes
P16	Cocos nucifera	Coconut Palm	4	Remove	Yes
P17	Phoenix canariensis	Canary Island Date Palm	5	Remove	No
P18	Cocos nucifera	Coconut Palm	1	Remove	Yes
P19	Cocos nucifera	Coconut Palm	1	Remove	Yes
P20	Cocos nucifera	Coconut Palm	3	Remove	Yes
P21	Cocos nucifera	Coconut Palm	15.4	Remove	Yes
P22	Cocos nucifera	Coconut Palm	15.6	Remove	Yes
P23	Cocos nucifera	Coconut Palm	15.9	Remove	Yes
P24	Cocos nucifera	Coconut Palm	15.9	Remove	Yes
P25	Cocos nucifera	Coconut Palm	13.2	Remove	Yes
P26	Cocos nucifera	Coconut Palm	24.2	Remove	Yes
P28	Cocos nucifera	Coconut Palm	18.5	Remove	Yes
P29	Cocos nucifera	Coconut Palm	15.4	Remove	Yes
P30	Cocos nucifera	Coconut Palm	17.1	Remove	Yes
P31	Cocos nucifera	Coconut Palm	25.3	Remove	Yes
P32	Cocos nucifera	Coconut Palm	21	Remove	Yes
P33	Cocos nucifera	Coconut Palm	17.9	Remove	Yes
P34	Cocos nucifera	Coconut Palm	15.11	Remove	Yes
P35	Cocos nucifera	Coconut Palm	16.1	Remove	Yes
P36	Cocos nucifera	Coconut Palm	20.11	Remove	Yes
P37	Cocos nucifera	Coconut Palm	23.3	Remove	Yes
P38	Cocos nucifera	Coconut Palm	20.6	Remove	Yes
P39	Cocos nucifera	Coconut Palm	18.7	Remove	Yes
P40	Cocos nucifera	Coconut Palm	15.4	Remove	Yes
P41	Cocos nucifera	Coconut Palm	18.1	Remove	Yes
P42	Cocos nucifera	Coconut Palm	19.2	Remove	Yes
P43	Bismarckia nobilis	Bismarck Palm	1	Remove	No
P44	Bismarckia nobilis	Bismarck Palm	1	Remove	No
P45	Bismarckia nobilis	Bismarck Palm	2	Remove	No
P46	Bismarckia nobilis	Bismarck Palm	2	Remove	No
P47	Phoenix canariensis	Canary Island Date Palm	5.7	Remove	No
P48	Cocos nucifera	Coconut Palm	18.7	Remove	Yes
P49	Cocos nucifera	Coconut Palm	20.9	Remove	Yes
P50	Cocos nucifera	Coconut Palm	18.1	Remove	Yes
P51	Cocos nucifera	Coconut Palm	18.1	Remain	Yes
P52	Ptychosperma elegans	Alexander Palm	19.11	Remove	Yes
P53	Phoenix canariensis	Canary Island Date Palm	9.1	Remove	No

P54	Phoenix canariensis	Canary Island Date Palm	10.8	Remove	Yes
P55	Cocos nucifera	Coconut Palm	17.6	Remain	Yes
P56	Phoenix canariensis	Canary Island Date Palm	4	Remain	No
P57	Cocos nucifera	Coconut Palm	17.2	Remain	Yes
P58	Ptychosperma elegans	Alexander Palm	19	Remove	Yes
P59	Ptychosperma elegans	Alexander Palm	15	Remain	Yes
P60	Ptychosperma elegans	Alexander Palm	15.5	Remain	Yes
P61	Bismarckia nobilis	Bismarck Palm	2	Remain	No
P62	Ptychosperma elegans	Alexander Palm	15	Remain	Yes
P63	Ptychosperma elegans	Alexander Palm	15	Remain	Yes
P64	Cocos nucifera	Coconut Palm	17.11	Remove	Yes
P7	Cocos nucifera	Coconut Palm	2.5	Remove	Yes
P8	Cocos nucifera	Coconut Palm	6.7	Remove	Yes
P9	Phoenix roebelenii	Pygmy Date Palm	6.5	Remove	No

P60A	Palms	plus 10 ft
P65A	Date Palm	?
P65B	Date Palm	?

Map ID	Latin Name	Common Name	DBH	Existing Condition	Impact		Location	Species	Condition	Value	Total
1	Clusia rosea	Autograph Tree	2.2	Good	Remove	REG	90	100	80	90	2.0
2	Clusia rosea	Autograph Tree	2.2	Good	Remove	REG	90	100	80	90	2.0
3	Clusia rosea	Autograph Tree	2.5	Good	Remove	REG	90	100	80	90	2.3
4	Clusia rosea	Autograph Tree	2.8	Good	Remove	REG	90	100	80	90	2.5
5	Pongamia pinnata	Pongam Tree	10	Good	Remove	REG	90	50	80	73	7.3
6	Conocarpus erectus	Buttonwood	26.6	Good	Remove	REG	100	100	80	93	24.8
7	Conocarpus erectus	Buttonwood	13.5	Good	Remove	REG	100	100	80	93	12.6
8	Pithecellobium keyense	Blackbead	19	Good	Remove	REG	100	100	80	93	17.7
9	Conocarpus erectus	Buttonwood	66.3	Good	Remove	REG	100	100	80	93	61.9
10	Pongamia pinnata	Pongam Tree	12.1	Good	Remove	REG	90	50	80	73	8.9
11	Pongamia pinnata	Pongam Tree	10.3	Good	Remove	REG	90	50	80	73	7.6
12	Pongamia pinnata	Pongam Tree	19.4	Good	Remove	REG	90	50	80	73	14.2
13	Pithecellobium keyense	Blackbead	0.2	Good	Remove	REG	100	100	80	93	0.2
14	Erithalis fruticosa	Blacktorch	1.8	Fair	Remove	Not					
15	Pithecellobium keyense	Blackbead	0.8	Good	Remove	REG	100	100	80	93	0.7
16	Conocarpus erectus	Buttonwood	38.6	Good	Remove	REG	100	100	80	93	36.0
17	Guapira discolor	Blolly	1	Good	Remove	REG	100	100	80	93	0.9
18	Eugenia foetida	Spanish Stopper	2	Good	Remove	REG	100	100	80	93	1.9
19	Conocarpus erectus	Buttonwood	13.3	Good	Remove	REG	90	100	80	90	12.0
20	Pithecellobium keyense	Blackbead	9	Good	Remove	REG	100	100	80	93	8.4
21	Guapira discolor	Blolly	14	Good	Remove	REG	100	100	80	93	13.1
22	Pongamia pinnata	Pongam Tree	3	Good	Remove	Not					
23	Ficus citrifolia	Shortleaf Fig	4	Good	Remove	REG	100	100	80	93	3.7
24	Conocarpus erectus	Buttonwood	52	Good	Remove	REG	100	100	80	93	48.5
25	Conocarpus erectus	Buttonwood	20	Poor	Remove	REG	100	100	40	80	16.0
26	Bursera simaruba	Gumbo Limbo	4.8	Good	Remove	REG	100	100	80	93	4.5
27	Metopium toxiferum	Poisonwood	5	Good	Remove	REG	100	100	80	93	4.7
28	Pongamia pinnata	Pongam Tree	6	Good	Remove	REG	100	50	80	77	4.6
29	Metopium toxiferum	Poisonwood	5	Good	Remove	REG	100	100	80	93	4.7
30	Conocarpus erectus	Buttonwood	32.8	Good	Remove	REG	100	100	80	93	30.6
31	Conocarpus erectus	Buttonwood	13	Good	Remove	REG	100	100	80	93	12.1
32	Conocarpus erectus	Buttonwood	3.5	Good	Remove	REG	100	100	80	93	3.3
33	Conocarpus erectus	Buttonwood	13.5	Good	Remove	REG	100	100	80	93	12.6
34	Conocarpus erectus	Buttonwood	7	Good	Remove	REG	100	100	80	93	6.5
35	Conocarpus erectus	Buttonwood	14.5	Good	Remove	REG	100	100	80	93	13.5
36	Conocarpus erectus	Buttonwood	11.5	Good	Remove	REG	100	100	80	93	10.7
37	Pithecellobium keyense	Blackbead	1	Good	Remove	REG	100	100	80	93	0.9
38	Swietenia mahagoni	Mahogany	10.2	Poor	Remove	REG	80	100	40	73	7.5
39	Swietenia mahagoni	Mahogany	12.6	Good	Remove	REG	80	100	80	87	10.9
40	Swietenia mahagoni	Mahogany	14.9	Good	Remove	REG	80	100	80	87	12.9
41	Swietenia mahagoni	Mahogany	13.6	Good	Remove	REG	80	100	80	87	11.8
42	Conocarpus erectus	Buttonwood	15.6	Good	Remove	REG	80	100	80	87	13.5
43	Swietenia mahagoni	Mahogany	20.5	Poor	Remove	REG	80	100	40	73	15.0
44	Swietenia mahagoni	Mahogany	11.6	Poor	Remove	REG	80	100	40	73	8.5
45	Swietenia mahagoni	Mahogany	15.7	Fair	Remove	REG	80	100	60	80	12.6
46	Swietenia mahagoni	Mahogany	11.2	Fair	Remove	REG	80	100	60	80	9.0
47	Pongamia pinnata	Pongam Tree	28.2	Good	Remove	REG	80	50	80	70	19.7
48	Conocarpus erectus	Buttonwood	71.5	Good	Remove	REG	90	100	80	90	64.4
49	Conocarpus erectus	Buttonwood	52.7	Good	Remove	REG	90	100	80	90	47.4
50	Bulnesia arborea	Verawood	5.5	Good	Remove	REG	80	50	80	70	3.9
51	Bulnesia arborea	Verawood	6.5	Good	Remove	REG	80	50	80	70	4.6
52	Coccoloba diversifolia	Pigeon Plum	6.5	Good	Remove	REG	80	100	80	87	5.6
		Total	761							Total Mitigation	661

Map ID	Latin Name	Common Name	DBH	Condition	Impact
R1	Clusia rosea	Autograph Tree	3.2	Good	Remain
R2	Clusia rosea	Autograph Tree	3	Good	Remain
R3	Clusia rosea	Autograph Tree	3	Good	Remain
R3	Conocarpus erectus	Buttonwood	5.8	Good	Remain
R4	Conocarpus erectus	Buttonwood	6	Good	Remain
R5	Conocarpus erectus	Buttonwood	6	Good	Remain