

STAFF REPORT

DATE: September 10, 2018

RE: **1515-1525 Bertha Street & 1512 Dennis Street**
(permit application # T18-9105)

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

An application was received requesting Conceptual Landscape Plan Approval for a major development plan to redevelopment the property. The updated plan includes;

Removal of a total of 23 trees: 4-Gumbo Limbo (#10, #75, #84, & #95), 3- Silver Buttonwood (#38, #39, and #89), 2-Yellow Tabebuia trees (#93 and #106), 2-Paradise trees (#5 and #7), 1- Black Olive tree (#1), 1-Bridalveil trees (#8), 1-Pigeon Plum (#4), 1-Fiddlewood tree (#111), 1-Strangler Fig (#13), 1-Spanish Stopper (#28), 1-Bay Cedar (#90), 1-Crabwood tree (#33), 1-Barbados Cherry tree (#57), 1-Royal Poinciana tree (#73), 1-Orange Geiger (#81), and 1-Green Buttonwood tree (#91).

Removal of a total of 15 palms: 3-Christmas palms (#29, #55, and #74), 4-Washingtonia palms (#15, #121, #122, and #123), 7-Coconut palms (#11, #12, #36, #62, #87, #96, #104), and 1-Alexander palm (#110).

Transplanting of a total of 9 trees offsite: 2-Spanish Stopper (#34 and #82), 1-Bridalveil (#3), 1-Shortleaf Fig (#32), 1-Crabwood (#35), 1-Locustberry (#64), 1-Spicewood (#65), 1-Frangipani (#98), and 1-Red Stopper (#108).

Transplanting of a total of 25 palms offsite: 18-Christmas palms (#16, #17, #19, #20, #22, #23, #25, #26, #27, #51, #53, #61, #71, #76, #78, #92B, #94, and #109), 4-Thatch Palms (#88, #97, #100, #101, and #105), 1-Florida Silver Thatch Palm (#107), and 1-Coconut Palms (#68).

Four trees are being protected and remaining in place; 1-Frangipani (#9), 1-Strangler Fig (#24), 2-Gumbo Limbo (#56 & #102). Ten palms are being protected and remaining in place; Christmas Palms (#21, #30, #31, #40, #41, #44, #45, #46, #47) and 1-Alexander Palm (#43).

The rest of the vegetation on the property not listed above is not regulated. Some of these trees and palms are being transplanted (see attached tree list).

If all the trees requested for removal are approved, a total of 111.6 caliper inches of replacement trees are required to be planted on the property and incorporated into the landscape plan. Also, an old tree removal permit exists on the property. T14-7203 authorized the removal of (1) Royal Poinciana tree with the required replacement of 23 caliper inches to be planted on-site/incorporated into the landscape plan of the approved development plan at that time. Therefore, a total of 134.6 caliper inches is required to be planted and incorporated into the landscape plan.

The landscape plan consists of a majority of native species or species that do well in the Key West area. The plan does use a mixture of palm species (Florida Thatch, Keys Thatch and Sabal Palms). Three Royal Poinciana trees and eight Gumbo Limbos (canopy trees) will be planted in the new landscaping. It does appear that the landscape plan incorporates all the required replacement inches if the requested removals are approved.

Additional Photos of Tree #73 (Royal Poinciana):





08/24/2018





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City of Key West Tree Commission Tree List Staff--Marty's Place

Tree #	Common Name/Scientific Name	DBH/Height	Condition	Location	Species	Value	Required Replacements	Status	Condition	Request
1	Black Olive/Bucida buceras	24.25" - 24" = 0.25" dbh	50%	80%	0%	43%	0.1" dbh	Regulated	Codominant	Remove
2	Chinese Fan Palm/Livistona chinensis	4 ft tall					NA	NPR	Poor	Remove
3	Bridalveil/Caesalpinia grandillo	4" dbh					NA	Regulated	partially uprooted	Transplant
4	Pigeon Plum/Coccoloba diversifolia	2.75" dbh	30%	80%	100%	70%	1.9" dbh	Protected	Poor, partially uprooted, thin canopy, 45'angle lean	Remove
5	Paradise/Simaruba glauca	6" dbh	30%	80%	100%	70%	4.2" dbh	Protected	Poor, thinning canopy, circling roots, one sided, tip dieback	Remove
6	Fishtail Palm/Caryota mitis	NA					NA	NPR		Remove
7	Paradise/Simaruba glauca	6.5" dbh	30%	80%	100%	70%	4.5" dbh	Protected	Tip and branch dieback, lead and canopy top dead	Remove
8	Bridalveil/Caesalpinia grandillo	6.5" dbh	40%	80%	50%	56%	3.6" dbh	Regulated	Poor, codominant with included bark	Remove
9	Frangipani 'Key West'/Plumeria	4.5" dbh					NA	Regulated	fair- Good	Retain
10	Gumbo Limbo/Bursea simaruba	16.5" dbh	50%	80%	100%	76%	12.5" dbh	Protected	Low branching codominant with included bark	Remove
11	Coconut (2)/Cocos nucifera	18'-20' tall					1-Palm	Protected		Remove
12	Coconut/Cocos nucifera	23'-25' tall					1-Palm	Protected		Remove
13	Ficus 'Strangler' Fig/Ficus aurea	2" dbh	60%	80%	100%	80%	1.6" dbh	Protected	young tree shape	Remove
14	Christmas Palm (3)/Adonidia merrillii	8'-9' tall					NA	NPR		Transplant
15	Washington Palm/Washingtonia robusta	25'-30' tall					1-Palm	Regulated		Remove
16	Christmas Palm/Adonidia merrillii	18'-20' tall					1-Palm	Regulated		Transplant
17	Christmas Palm/Adonidia merrillii	12'-15' tall					1-Palm	Regulated		Transplant
18	Weeping Fig/ Ficus benjamina	NA					NA	NPR		Remove
19	Christmas Palm/Adonidia merrillii	10'-12' tall					1-Palm	Regulated		Transplant

20	Christmas Palm/Adonidia merrillii	10'-12' tall					1-Palm	Regulated		Transplant
21	Christmas Palm/Adonidia merrillii	10'-12' tall					1-Palm	Regulated		Retain
22	Christmas Palm (2)/Adonidia merrillii	18'-25' tall					1-Palm	Regulated		Transplant
23	Christmas Palm/Adonidia merrillii	10'-13' tall					1-Palm	Regulated		Transplant
24	Ficus/Ficus aurea	4.5-5' dbh	NA	NA	NA	NA	NA	Protected	Fair, storm and utility pruning damage	Retain
25	Christmas Palm/Adonidia merrillii	18'-20' tall					1-Palm	Regulated		Transplant
26	Christmas Palm (2)/Adonidia merrillii	18'-20' tall					1-Palm	Regulated		Transplant
27	Christmas Palm/Adonidia merrillii	18'-20' tall					1-Palm	Regulated		Transplant
28	Spanish Stopper/Eugenia foetida	1" dbh	60%	80%	100%	80%	0.8" dbh	Protected	Fair	Remove
29	Christmas Palm/Adonidia merrillii	10'-12' tall					1-Palm	Regulated		Remove
30	Christmas Palm/Adonidia merrillii	18'-20' tall					1-Palm	Regulated		Retain
31	Christmas Palm (4)/Adonidia merrillii	12'-20' tall					1-Palm	Regulated		Retain
32	Ficus 'Shortleaf'/Ficus citrifolia	9.5" dbh			NA		NA	Protected	fair	Transplant
33	Crabwood/Gymnanthes lucida	1.75" dbh	40%	80%	100%	73%	1.2" dbh	Protected	Storm Damage	Remove
34	Spanish Stopper/Eugenia foetida	1" dbh			NA		NA	Protected	Fair	Transplant
35	Crabwood/Gymnanthes lucida	1.5" dbh			NA		NA	Protected	Good	Tansplant
36	Coconut Palm/Cocos nucifera	15'-18' tall					1-Palm	Protected		Remove
37	Areca Palm/Dypsis lutescens	NPR					NA	NPR		Remove
38	Silver buttonwood/Conocarpus erectus sericeus	1.5" dbh	50%	40%	100%	63%	0.9" dbh	Regulated	lollipopped	Remove
39	Silver buttonwood/Conocarpus erectus sericeus	8.75" dbh	50%	40%	100%	63%	5.5" dbh	Regulated	lollipopped	Remove
40	Christmas Palm (5)/Adonidia merrillii	8'-20' tall					1-Palm	Regulated		Retain
41	Christmas Palm (3)/Adonidia merrillii	6'-18' tall					1-Palm	Regulated		Retain
42	Areca Palm/Dypsis lutescens	NA					NA	NPR		Retain
43	Alexander Palm/Ptychosperma elegans	18'-20' tall					1-Palm	Regulated		Retain
44	Christmas Palm (2)/Adonidia merrillii	15'-18' tall					1-Palm	Regulated		Retain
45	Christmas Palm (3)/Adonidia merrillii	10'-18' tall					1-Palm	Regulated		Retain
46	Christmas Palm (2)/Adonidia merrillii	16'-20' tall					1-Palm	Regulated		Retain
47	Christmas Palm (3)/Adonidia merrillii	16'-20' tall					1-Palm	Regulated		Retain
48	Ficus 'Strangler' shrub/Ficus aurea	NA					NA	NPR	Poor, maintained as tall hedge/shrub	Remove
49	Areca Palm/Dypsis lutescens	NA					NA	NPR		Remove
50	Ficus 'Strangler' shrub/Ficus aurea	NA					NA	NPR	Poor, maintained as tall hedge/shrub	Remove
51	Christmas Palm/Adonidia merrillii	10'-12' tall					1-Palm	Regulated		Transplant
52	Areca Palm/Dypsis lutescens	NA					NA	NPR		Remove
53	Christmas Palm/Adonidia merrillii	15'-18' tall					1-Palm	Regulated		Transplant

54	Areca Palm/Dypsis lutescens	NA					NA	NPR		Remove
55	Christmas Palm/Adonidia merrillii	15'-18' tall					1-Palm	Regulated		Remove
56	Gumbo Limbo/Bursea simaruba	10.25" dbh	60%	80%	100%	80%	8.2" dbh	Protected		Retain
57	Barbados Cherry/Malpighia glabra	7.5" dbh	60%	80%	50%	63%	4.7" dbh	Regulated	Fair, some dieback, multi trunked with trunk damage	Remove
58	Christmas Palm/Adonidia merrillii	NA					NA	NPR		Transplant
59	Blue Latania/Latania loddigesii	NA					NA	NPR	Good	Transplant
60	Areca Palm/Dypsis lutescens	NA					NA	NPR		Remove
61	Christmas Palm/Adonidia merrillii	15'-18' tall					1-Palm	Regulated		Transplant
62	Coconut Palm/Cocos nucifera	15'-18' tall					1-Palm	Protected		Remove
63	Areca Palm/Dypsis lutescens	NA					NA	NPR		Remove
64	Locustberry/Byrsonima lucida	2.5" dbh			NA		NA	Protected	Fair	Transplant
65	Spicewood/Calyptrothoe pallens	4" dbh			NA		NA	Protected	Fair	Transplant
66	Verawood/Bulnesia arborea	3" dbh			NA		NA	NPR	Fair	Transplant
67	Jamaica Caper/Capparis cynophallophora	2' tall					NA	NPR		Transplant
68	Coconut Palm/Cocos nucifera	20' tall					1-Palm	Regulated		Transplant
69	Chinese Fan Palm (3)/Livistona chinensis	NA					NA	Protected		Remove
70	Areca Palm/Dypsis lutescens	NA					NA	NPR		Remove
71	Christmas Palm (3)/Adonidia merrillii	18'-25' tall					1-Palm	Regulated	Outside fence	Transplant
72	Christmas Palm/Adonidia merrillii	NA					NA	NPR		Transplant
73	Poinciana/Delonix regia	14.75" dbh	60%	70%	100%	76%	11.2" dbh	Protected		Remove
74	Christmas Palm (2)/Adonidia merrillii	15'-20' dbh					1-Palm	Regulated		Remove
75	Gumbo Limbo/Bursea simaruba	8.5" dbh	50%	70%	100%	73%	6.2" dbh	Protected	Poor	Remove
76	Christmas Palm (3)/Adonidia merrillii	12'- 15' dbh					1-Palm	Regulated		Transplant
77	Areca Palm/Dypsis lutescens	NA					NA	NPR		Remove
78	Christmas Palm (2)/Adonidia merrillii	10'-12' tall					1-Palm	Regulated		Transplant
79	Areca Palm/Dypsis lutescens	NA					NA	NPR		Remove
80	Triangle Palm/Dypsis decaryi	NA					NA	NPR		Remove
81	Orange Geiger/Cordia sebestena	1" dbh	40%	70%	100%	70%	0.7" dbh	Protected	Re-sprout, poor	Remove
82	Spanish Stopper/Eugenia foetida	3" dbh			NA		NA	Protected	Good	Transplant
83	Areca Palm/Dypsis lutescens	NA					NA	NPR		Remove
84	Gumbo Limbo/Bursea simaruba	20.75"	60%	80%	100%	80%	16.6" dbh	Protected	Fair, codominant, some included bark	Remove
85	Areca Palm/Dypsis lutescens	NA					NA	NPR		Remove
86	Areca Palm/Dypsis lutescens	NA					NA	NPR		Remove

87	Coconut Palm/Cocos nucifera	18'-20' tall					1-Palm	Protected		Remove
88	Green Thatch Palm/Thrinax radiata	5.5' all over height			NA		NA	Protected	Good	Transplant
89	Silver buttonwood/Conocarpus erectus sericeus	5"	40%	60%	100%	66%	3.3" dbh	Protected	lollipoped	Remove
90	Bay Cedar/Suriana maritima	1"	50%	80%	100%	76%	0.7" dbh	Protected	Topped	Remove
91	Green Buttonwood/Conocarpus erectus	5.75"	40%	80%	100%	73%	6.4" dbh	Protected	Poor, Heavy Canopy one-sided, leaning west 45' angle	Remove
92A	Christmas Palm/Adonidia merrillii	9' tall					NA	NPR	??	Transplant
92B	Christmas Palm (3)/Adonidia merrillii	3'-10' tall					1-Palm	Regulated	??	Transplant
93	Yellow Tab-Silver Trumpet/Tabebuia caraiba	12.5"	40%	80%	50%	56%	7" dbh	Regulated	Poor, main trunk dog-leg west 45' angle, tip dieback	Remove
94	Christmas Palm/Adonidia merrillii	8'-10' tall					NA	Regulated		Transplant
95	Gumbo Limbo/Bursea simaruba	12" dbh	40%	70%	100%	70%	8.4" dbh	Protected	Poor, 4 multi-trunk total 12", Codominant at 1' above grade	Remove
96	Coconut Palm (2)/Cocos nucifera	20'-25' tall					1-Palm	Protected		Remove
97	Thrinax morrisii/Leucothrinax morrisii	6' tall			NA		NA	Protected	Good	Transplant
98	Frangipani/Plumeria	4" dbh	40%	80%	50%	56%	2.2" dbh	Regulated	Poor, leaning west 45' angle	Transplant
99	White Bird of Paradise/Strelitzia nicolai	NA					NA	NPR		Remove
100	Green Thatch/Thrinax radiata	8' tall			NA		NA	Protected	Good	Transplant
101	Thrinax morrisii/Leucothrinax morrisii	6' tall			NA		NA	Protected	Good	Transplant
102	Gumbo Limbo/Bursea simaruba	12.5" dbh	60%	70%	100%	76%	9.5" dbh	Protected	Fair, included bark, over-lifted, limbs pruned away from structures	Retain
103	White Bird of Paradise/Strelitzia nicolai	NA					NA	NPR		Remove
104	Coconut Palm/Cocos nucifera	25'-30'					1-Palm	Protected		Remove
105	Green Thatch/Thrinax radiata	8' tall			NA		NA	Protected	Good	Transplant
106	Yellow Tab.-Silver Trumpet/Tabebuia caraiba	12.5" dbh	50%	80%	50%	60%	7.5" dbh	Regulated	Poor, Storm damage with decay, very few leaves	Remove
107	Coccothrinax miraguama	3'-6' tall, triple			NA		NA	Protected	Good	Transplant

108	Red Stopper/ <i>Eugenia rhombea</i>	1" dbh			NA		NA	Protected	Fair	Transplant
109	Christmas Palm/ <i>Adonidia merrillii</i>	12'-15' tall					1-Palm	Regulated		Transplant
110	Alexander Palm/ <i>Ptychosperma elegans</i>	4'-10' tall					1-Palm	Regulated		Remove
111	Fiddlewood/ <i>Citharexylum spinosum</i>	3.75" dbh	10%	60%	100%	56%	2.1" dbh	Protected	Poor, storm damage, very few leaves, mostly dead	Remove
112	Bahama Tab/ <i>Tabebuia bahamensis</i>	NA					NA	NPR	Poor, tip and branch die-back	Remove
113	Simpson Stopper/ <i>Myrcianthes fragrans</i>	NA					NA	NPR	Fair	Transplant
114	Simpson Stopper/ <i>Myrcianthes fragrans</i>	NA					NA	NPR	Fair	Transplant
115	Simpson Stopper/ <i>Myrcianthes fragrans</i>	NA					NA	NPR	Fair	Transplant
116	Bahama Tab/ <i>Tabebuia bahamensis</i>	NA					NA	NPR	Fair, Tip die-back, one sided	Remove
117	Washington Palm/ <i>Washingtonia robusta</i>	NA					NA	NPR		Remove
118	Simpson Stopper/ <i>Myrcianthes fragrans</i>	NA					NA	NPR	Poor, topped	Transplant
119	Bahama Tab/ <i>Tabebuia bahamensis</i>	NA					NA	NPR	tip die-back, major mechanical damage	Remove
120A	Black Bead (2)/ <i>Pithecellobium keyense</i>	NA					NA	NPR	Hedged	Remove
120B	Black Bead (2)/ <i>Pithecellobium keyense</i>	NA					NA	NPR	Hedged	Transplant
121	Washington Palm (2)/ <i>Washingtonia robusta</i>	15' tall					1-Palm	Regulated	Poor, multiple stem, 12'-15' wood	Remove
122	Washington Palm (3)/ <i>Washingtonia</i>	2'-18' tall					1-Palm	Regulated		Remove
123	Washington Palm/ <i>Washingtonia robusta</i>	10'-13' tall					1-Palm	Regulated		Remove
124	Black Bead/ <i>Pithecellobium keyense</i>	NA					NA	NPR	Hedged	Remove



Regulated Tree/Palm Transplants



Regulated Palm Removals



Regulated Tree Removals

TREE

Regulated Trees Remaining

TREE

Not Regulated Trees/Palms Being Transplanted