

MEMORANDUM FOR THE FILE

DATE: July 1, 2013

RE: 616 Simonton St/625 Angela St (permit application # 6459)

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

An application was received for the removal and relocation of various trees located at the Old City Hall/Fire station property at the corner of Simonton and Angela Streets. The original tree survey was done several years ago with a transplantation plan created by Cynthia Domenech-Coogle.

The City of Key West is redeveloping the property to include a new fire station and a parking area. Phase 1 (the existing parking lot) will be developed first with the construction of the new fire house. Phase two includes the demolition of the old fire house building and construction of a parking lot. In August 2012, the project received final approval of a landscape plan from the Tree Commission (permit #6097).

There are two large trees on the property that will be saved in place, a mahogany tree on Simonton Street and a Royal Poinciana on Angela Street (tree closest to Duval Street). All of the other trees on the property will be removed or relocated to other City properties. An inspection was done on June 28, 2013 and on July 1, 2013 to update the tree list. The attached map and list show the existing vegetation on site.



Looking south on Simonton St. toward Angela St. at the existing mahogany tree.



Standing on Angela St. near Simonton St. looking west toward Duval St at the Royal Poinciana tree to remain.

The following is a review of the plans to be reviewed and authorized by permit #6459:

1. Trees to remain: The contractor will use proper tree protection measures around the mahogany tree on Simonton Street and around the Royal Poinciana tree on Angela Street during demolition and construction.

2. Trees to be removed:

A. Dicot trees: (2) Strangler figs, (2) Draceana, (2) Autograph trees, (2) Royal Poincianas, (1) Yellow Poincianas, (1) Jasmine, (1) Spanish Lime trees, (1) Pithocellobium tree, and (1) Gumbo Limbo.

B. Palms: 2 Christmas palms, 1McArthur Palm, and 5 Alexander Palms.

Total required replacement will be 8 native palms, 4ft tall and 174 caliper inches.



Area of trees to be removed in the parking lot rear area-northwest corner.



Looking at the northwest corner of the existing building at the large yellow Poinciana tree to be removed. To the left is a ficus tree that is also to be removed.



View of the north side of the existing building.



Standing in front of the fire station, clump of trees to be removed except coconut palms which are to be relocated.



Corner of Angela St and Simonton St. looking at the Autograph trees.



Standing on Angela St near the corner of Simonton St looking at vegetation along the south side of the building.



Standing on Angela St looking toward Simonton St. View of vegetation along the south side of the existing building.



Royal Poinciana tree #38, to be removed.



Royal Poinciana tree #38, damage and disease to trunk of tree.



Royal Poinciana tree #38, view showing rot in crotch of tree at base of large branch.



Royal Poinciana tree #33 to be removed.



Royal Poinciana tree #33, close up view of rot. The internal, center area of tree is gone.



Royal Poinciana tree #33 close up view of rot area in branches.

3. Trees being relocated: A total of 81 plants are being relocated from the site. This includes 43 palms, 29 dicot trees, and 9 crotons. Trees will be relocated to City property including street area, pocket parks, Bayview Park, Garrison Bight and Key West Bight. A detailed map and plan will be created prior to the actual relocation of the plants.

Phase one of the relocation will occur in August and September 2013 and includes the plants in the existing parking lot on Simonton Street and the trees along the north side of the existing fire station. Phase two will occur after January 2014 and will include the relocation of the trees around the east, south and west of the exiting fire station prior to demolition of the building.

RECOMMENDATION: Recommend the Tree Commission issue a permit to include the following—

1. The City will require the contractor to use proper tree protection measures around the mahogany tree on Simonton Street and around the Royal Poinciana tree on Angela Street during demolition and construction.

2. The relocation of 81 plants from the site to include 43 palms, 29 dicot trees, and 9 crotons, as listed on the existing tree replacement list dated July 1, 2013. Trees will be relocated to City property. A map and plan will be created prior to the actual relocation of the plants. Trees will be monitored for one year. Any trees that do not survive after one year will be replaced with a similar tree.

3. The removal of (2) Strangler figs, (2) Draceana, (2) Autograph trees, (2) Royal Poincianas, (1) Yellow Poinciana, (1) Jasmine, (1) Spanish Lime, (1) Pithocellobium tree, and (1) Gumbo Limbo and (2) Christmas palms, (1) McArthur Palm, and (5) Alexander Palms. Total required replacements will be 8 native palms, 4ft tall and 174 caliper inches.

#	BOTANICAL NAME	COMMON NAME	HEIGHT	CALIPER	VC %	VL %	VS %	TOTAL V %	Replacement	STATUS
2	Sabal palmetto	Cabbage Palm	12'		Good		100		NA	Relocate
3	Bourreria ovata	Strong Bark	10'	1½"	Good		100		NA	Relocate
4	Lysiloma latisiliqua	Wild Tamarind	12'	4"	Good		100		NA	Relocate
5	Bourreria ovata	Strongbark	10'	1½"	Good		100		NA	Relocate
6	Codiaeum vanegatum	Croton	15'	3.5" multi	Fair		50		NA	Relocate
7	Cocosnucifera	Coconut	20'		Good		100		NA	Relocate
8	Cocosnucifera	Coconut	20'		Good		100		NA	Relocate
16	Thrinax radiata	Thatch Palm	5'		Good		100		NA	Relocate
17	Thrinax radiata	Thatch Palm	20'	multi	Fair		100		NA	Relocate
18	Thrinax radiata	Thatch Palm	20'	Multi	Fair		100		NA	Relocate
19	Thrinax radiata	Thatch Palm	20'		Fair		100		NA	Relocate
20	Thrinax radiata	Thatch Palm	20'		Fair		100		NA	Relocate
21	Thrinax radiata	Thatch Palm	5'		Good		100		NA	Relocate
22	Codiaeum vanegatum	Croton	10'	3.5" multi	Fair		50		NA	Relocate
23	Thrinax radiata	Thatch Palm	15'		Fair		100		NA	Relocate
25	Bursera simarouba	Gumbo Limbo	18'	3.5"	Good		100		NA	Relocate
26	Myrcianthes fragrans	Simpson Stopper	18'	3.5"	Good		50		NA	Relocate
30	Codiaeum vanegatum	Croton	15'	3.5" multi	Fair		50		NA	Relocate
31	Thrinax radiata	Thatch Palm	6'		Good		100		NA	Relocate
32	Dypsis lastelliana	Teddy Bear Palm	30'		Good		50		NA	Relocate
34	Thrinax radiata	Thatch Palm	5'		Good		100		NA	Relocate
35	Sabal palmetto	Cabbage Palm	30'		Good		100		NA	Relocate
36	Ptychosperma elegans	Alexander Palm	30'		Fair		50		NA	Relocate
37	Ptychosperma elegans	Alexander Palm	30'		Fair		50		NA	Relocate
44	Thrinax radiata	Thatch Palm	6'		Good		100		NA	Relocate
44a	Thrinax sp.	Thatch Palm	6'		Good		100		NA	Relocate
45	Codiaeum vanegatum	Croton	12'	3.5" multi	Fair		50		NA	Relocate
46	Thrinax radiata	Thatch Palm	20'	multi	Fair		100		NA	Relocate
47	Thrinax radiata	Thatch Palm	20'	multi	Fair		100		NA	Relocate
48	Thrinax radiata	Thatch Palm	12'	multi	Fair		100		NA	Relocate
49	Thrinax radiata	Thatch Palm	30'	multi	Fair		100		NA	Relocate
52	Capparis cynophallophora	Jamaican Caper	20'	6"	Fair		100		NA	Relocate
53	Capparis cynophallophora	Jamaican Caper	20'	2½" Multi	Fair		100		NA	Relocate
54	Thrinax radiata	Thatch Palm	5'		Good		100		NA	Relocate
56	Capparis cynophallophora	Jamaican Caper	20'	6" Multi	Fair		100		NA	Relocate
57	Capparis cynophallophora	Jamaican Caper	20'	4" Multi	Fair		100		Na	Relocate

#	BOTANICAL NAME	COMMON NAME	HEIGHT	CALIPER	VC %	VL %	VS %	TOTAL V %	Replacement	STATUS
58	Capparis cynophallophora	Jamaican Caper	15'	5" Multi	Poor		100		NA	Relocate
59	Capparis cynophallophora	Jamaican Caper	15'	2" Multi	Poor		100		NA	Relocate
60	Capparis cynophallophora	Jamaican Caper	15'	7'	Fair		100		NA	Relocate
61A	Thrinax sp.	Thatch Palm	4'		Good		100		NA	Relocate
62A	Ptychosperma elegans	Alexander Palm	6'		Fair		50		NA	Relocate
63A	Thrinax sp.	Thatch Palm	3'		Fair		100		NA	Relocate
64A	Swietenia mahagoni	Mahogany	5'	1"	Good		100		NA	Relocate
65A	Swietenia mahagoni	Mahogany	5'	1"	Good		100		NA	Relocate
66	Thrinax morrisii	Key Thatch Palm	5'		Good		100		NA	Relocate
67	Sabal palmetto	Cabbage Palm	12'		Good		100		NA	Relocate
68	Thrinax morrisii	Key Thatch Palm	5'		Good		100		NA	Relocate
69	Sabal palmetto	Cabbage Palm	15'		Good		100		NA	Relocate
70	Sabal palmetto	Cabbage Palm	16'		Good		100		NA	Relocate
71	Thrinax morrisii	Key Thatch Palm	4'		Good		100		NA	Relocate
72	Thrinax morrisii	Key Thatch Palm	4'		Good		100		NA	Relocate
73	Sabal palmetto	Cabbage Palm	16'		Good		100		NA	Relocate
74	Sabal palmetto	Cabbage Palm	14'		Good		100		NA	Relocate
75	Sabal palmetto	Cabbage Palm	10'		Fair		100		NA	Relocate
76	Thrinax morrisii	Key Thatch Palm	4'		Good		100		NA	Relocate
81	Sabal palmetto	Cabbage Palm	15'		Good		100		NA	Relocate
82	Eugenia foetida	Spanish Stopper	6'	1½"	Good		100		NA	Relocate
83	Sabal palmetto	Cabbage Palm	15'		Good		100		NA	Relocate
84	Sabal palmetto	Cabbage Palm	15'		Good		100		NA	Relocate
88	Eugenia foetida	Spanish Stopper	10'	1 1/2'	Good		100		NA	Relocate
89	Eugenia foetida	Spanish Stopper	6'	1"	Good		100		NA	Relocate
90	Eugenia rhombea	Red Stopper	6'	1" Multi	Good		100		NA	Relocate
91	Eugenia foetida	Spanish Stopper	8'	1" Multi	Good		100		NA	Relocate
92	Bourreria sp.	Strongbark	4'	1" Multi	Good		100		NA	Relocate
93	Calyptranthes pallens	Spicewood	7'	1" Multi	Good		100		NA	Relocate
95	Canella winterana	Wild Cinnamon	7'	1"	Good		100		NA	Relocate
96	Coccothrinax argentea	Silver Palm	2'		Good		100		NA	Relocate
100	Eugenia confusa	Red Berry Stopper	7'	1" Multi	Good		100		NA	Relocate
102	Codiaeum variegatum	Croton	15'	3.5' multi	Fair		50		NA	Relocate
103	Codiaeum variegatum	Croton	15'	3.5' multi	Fair		50		NA	Relocate
103A	Thrinax sp.	Thatch Palm	3'		Fair		100		NA	Relocate
103B	Thrinax sp.	Thatch Palm	3'		Fair		100		NA	Relocate

#	BOTANICAL NAME	COMMON NAME	HEIGHT	CALIPER	VC %	VL %	VS %	TOTAL V %	Replacement	STATUS
104	Codiaeum variegatum	Croton	15'	3.5" multi	Fair		50		NA	Relocate
105	Codiaeum variegatum	Croton	15'	3.5" multi	Fair		50		NA	Relocate
106	Codiaeum variegatum	Croton	15'	3.5" multi	Fair		50		NA	Relocate
108	Eugenia foetida	Spanish Stopper	8'	1½"	Good		100		NA	Relocate
111A	Capparis cynophallophora	Jamaican Caper	6'	6" multi	Good		100		NA	Relocate
111B	Capparis cynophallophora	Jamaican Caper	6'	7" Multi	Good		100		NA	Relocate
111C	Capparis cynophallophora	Jamaican Caper	6'	7" Multi	Good		100		NA	Relocate
111D	Capparis cynophallophora	Jamaican Caper	6'	6" Multi	Good		100		NA	Relocate
112	Melicoccus bijugatus	Spanish Lime	6'	2"	Fair		100		NA	Relocate
97	Lantana depressa	White Lantana	3'	Multi	Good		50		NA	Relocate/not regulated
98	Psychotria ligustri folia	Dwarf Wild Coffee	3'	Multi	Good		50		NA	Relocate/not regulated
1	Swietenia mahagoni	Mahogany	60'	40"	Specimen		100		NA	Remain
43	Delonix regia	Poinciana	50'	24"	Good		100		NA	Remain
2A	Schinus terebinthifolia	Brazilian Pepper	8'		Invasive	0	0	0	0	Remove
9	Ficus	Strangler Fig	20'	14"	70	70	100	80	11"	Remove
10	Melicoccus bijugatus	Spanish Lime	20'	8"	70	70	100	80	6"	Remove
11	Adonidia memlli	Christmas Palm	20'		Fair		50		1-native palm	Remove
12	Draceana marginata	Draceana	20'	29" multi	20	40	50	36	10"	Remove
12A	Bursera simarouba	Gumbo Limbo	10"	4.7"	40	40	100	60	3"	Remove
14	Clusia rosea	Autograph Tree	20'	30" multi	30	70	100	66	20"	Remove
15	Clusia rosea	Autograph Tree	20'	31" multi	30	70	100	66	20"	Remove
29	Ptychosperma macarthurii	McArthur Palm	25'	multi	Poor/Leggy		50		1-native palm	Remove
33	Delonix regia	Poinciana	50'	25"	20	40	100	53	13"	Remove
38	Delonix regia	Poinciana	50'	30.5"	20	40	100	53	16"	Remove
39	Ptychosperma elegans	Alexander Palm	45'		Poor/Leggy		50		1-native palm	Remove
41	Ptychosperma elegans	Alexander Palm	20'	multi	Fair		50		1-native palm	Remove
50	Draceana marginata	Draceana	20'	35" multi	20	70	50	46	16"	Remove
61	Peltophorum pterocarpum	Yellow Poinciana	50'	36"	60	70	50	60	21"	Remove
62	Large Tree Stump	Stump	12'	48"	DEAD	0	0	0	0	Remove
63	Ptychosperma elegans	Alexander Palm	30'		Fair		50		1-native palm	Remove
64	Ptychosperma elegans	Alexander Palm	20'		Fair		50		1-native palm	Remove
65	Ptychosperma elegans	Alexander Palm	15'		Fair		50		1-native palm	Remove
77C	Pithocellobium sp.	Non-native tree	10'	7.6"	70	70	50	63	5"	Remove
79	Adonidia memlli	Christmas Palm	18'		Fair/damaged		50		1-native palm	Remove
109	Murraya paniculata	Jasmine	12'	6"	70	70	50	63	4"	Remove
110	Ficus sp.	Strangler Fig	20'	42"	70	40	100	70	29"	Remove

#	BOTANICAL NAME	COMMON NAME	HEIGHT	CALIPER	VC %	VL %	VS %	TOTAL V %	Replacement	STATUS
40	Murraya paniculata	Jasmine	10'	2.5" multi	Fair	0	50	0	0	Remove/not regulated
42	Murraya paniculata	Jasmine	10'	3" Multi	Fair	0	50	0	0	Remove/not regulated
55	Peltophorum pterocarpum	Yellow Poinciana	8'	3.3"	Poor	0	50	0	0	Remove/not regulated
99	Zamia pumila	Coontie	3'	NA	Good		40		0	Remove/not regulated
13	Capparis cynophallophora	Jamaican Caper	4'	2" Multi	Poor/Hedged	0	100	0	0	Remove-not regulated

NOTE: tree #'s 24,27,28,51,78,80,85,86,87,94,101, and 107 donot exist on site or are dead.

TOTAL REQUIRED REPLACEMENT INCHES: 174 calper inches

TOTAL REQUIRED REPLACEMENT PALMS: 8 native palms

Consultants:
STRUCTURAL ENGINEERING
WILSON JUNG
2200 N. MIAMI AVENUE
SUITE 200
MIAMI, FLORIDA 33136
CIVIL ENGINEER
MICHAEL J. HARRIS, P.E.
1415 N. MIAMI AVENUE, SUITE 200
MIAMI, FLORIDA 33136
ELECTRICAL ENGINEER
MICHAEL J. HARRIS, P.E.
1415 N. MIAMI AVENUE, SUITE 200
MIAMI, FLORIDA 33136
MECHANICAL ENGINEER
MICHAEL J. HARRIS, P.E.
1415 N. MIAMI AVENUE, SUITE 200
MIAMI, FLORIDA 33136

Submittals:
1. []
2. []
3. []
4. []
5. []
6. []
7. []
8. []
9. []
10. []
11. []
12. []
13. []
14. []
15. []
16. []
17. []
18. []
19. []
20. []
21. []
22. []
23. []
24. []
25. []
26. []
27. []
28. []
29. []
30. []
31. []
32. []
33. []
34. []
35. []
36. []
37. []
38. []
39. []
40. []
41. []
42. []
43. []
44. []
45. []
46. []
47. []
48. []
49. []
50. []
51. []
52. []
53. []
54. []
55. []
56. []
57. []
58. []
59. []
60. []
61. []
62. []
63. []
64. []
65. []
66. []
67. []
68. []
69. []
70. []
71. []
72. []
73. []
74. []
75. []
76. []
77. []
78. []
79. []
80. []
81. []
82. []
83. []
84. []
85. []
86. []
87. []
88. []
89. []
90. []
91. []
92. []
93. []
94. []
95. []
96. []
97. []
98. []
99. []
100. []
101. []
102. []
103. []
104. []
105. []
106. []
107. []
108. []
109. []
110. []
111. []
112. []
113. []
114. []
115. []
116. []
117. []
118. []
119. []
120. []
121. []
122. []
123. []
124. []
125. []
126. []
127. []
128. []
129. []
130. []
131. []
132. []
133. []
134. []
135. []
136. []
137. []
138. []
139. []
140. []
141. []
142. []
143. []
144. []
145. []
146. []
147. []
148. []
149. []
150. []
151. []
152. []
153. []
154. []
155. []
156. []
157. []
158. []
159. []
160. []
161. []
162. []
163. []
164. []
165. []
166. []
167. []
168. []
169. []
170. []
171. []
172. []
173. []
174. []
175. []
176. []
177. []
178. []
179. []
180. []
181. []
182. []
183. []
184. []
185. []
186. []
187. []
188. []
189. []
190. []
191. []
192. []
193. []
194. []
195. []
196. []
197. []
198. []
199. []
200. []

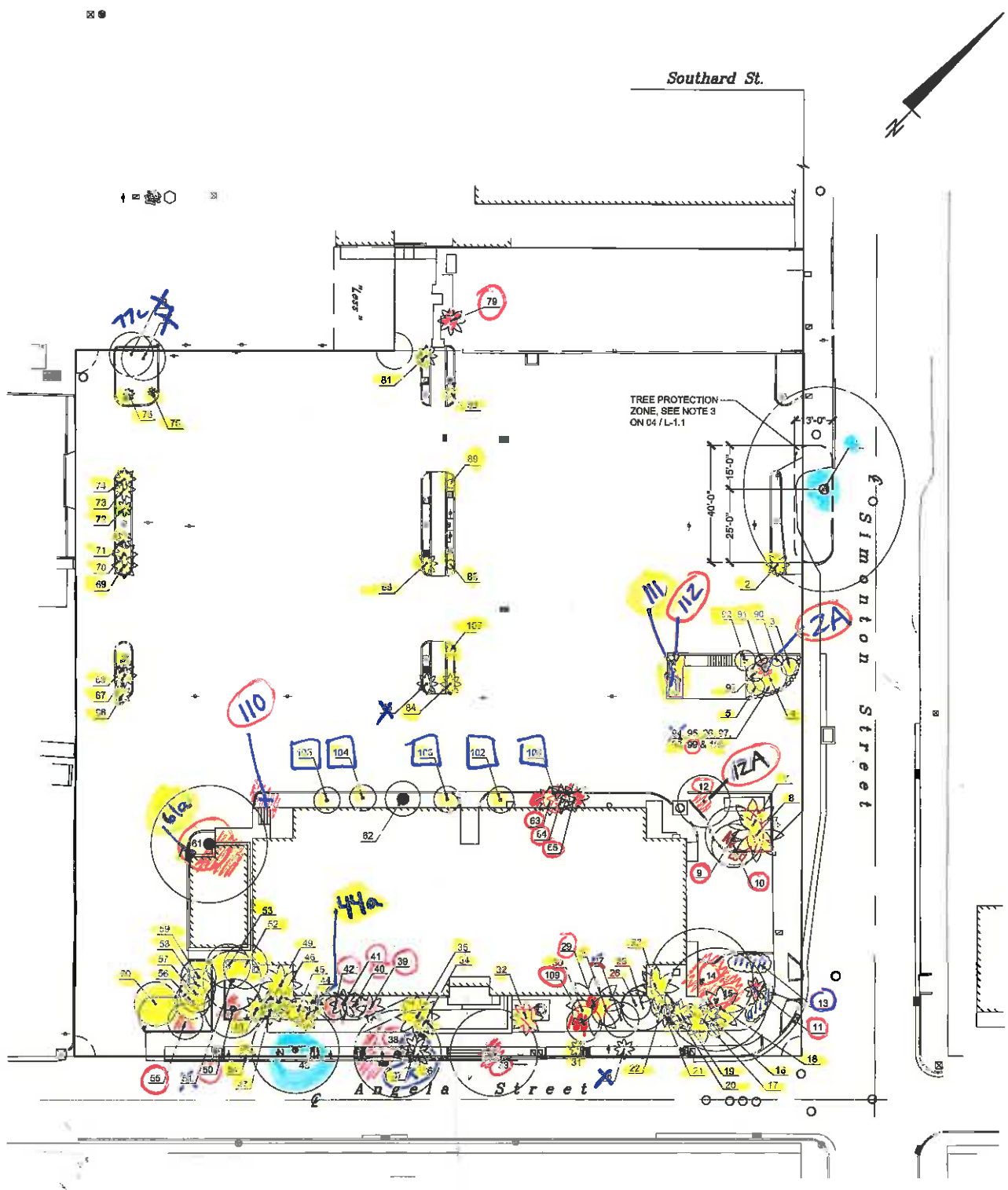
FIRE STATION #2
616 Simonton Street, Key West, Florida
BUILDING AND SITE DEVELOPMENT
FOR
City of Key West, 3133 Flagler Avenue, Key West, Florida 33040

Drawing Size: 11x17
Prof. # 1: MIC-12060
Drawn By: ENR/AV
Checked By: SA

Title:
**EXISTING TREE
DISPOSITION PLAN**

Sheet Number
L-1.0

Date: February 15, 2013
© 2013 by mbi | k2m Architecture, Inc.



NOTES:
1. All trees shown on this plan are to remain unless otherwise noted. The General Contractor shall be responsible for obtaining the services of an International Society of Arboriculture Certified Arborist to evaluate the condition of the tree and shall provide any tree care that may be needed to mitigate risks prior to construction commencing.

02 EXISTING TREE DISPOSITION PLAN
L-1.0 1/8" = 1'-0"

July 1, 2013 Existing Tree Map

Crotons?

Relocate

Remove

Stays

City of Key West Administration Building Existing Tree Disposition List							
NUMBER	BOTANICAL NAME	COMMON NAME	HEIGHT	SPREAD	CALIPER	CONDITION	STATUS/TRANSPLANT LOCATION
1	Swietenia mahagoni	Mahogany	60'	70' x 55'	40"	Specimen	Remain
2	Sabal palmetto	Palmetto	12'	8'	8"	Good	KW Bight
3	Boureria ovata	Strung Bark	10'	6'	1 1/2"	Good	PP Grinnel and Angela
4	Lysionia latissicua	Wild Tamarind	12'	12'	3 1/2"	Good	KW Bight
5	Boureria ovata	Strung Bark	10'	6'	1 1/2"	Good	PP Grinnel and Angela
6	Codiaeum variegatum	Croton	15'	9'	Multi	Fair	KW Bight
7	Cocos nucifera	Coconut	20'	18'	7"	Good	Mallory
8	Cocos nucifera	Coconut	20'	18'	7"	Good	South Roosevelt
9	Ficus native	Fig	20'	20'	4 1/2"	Fair	Remove
10	Not Identified		20'	15'	4 1/2"	Fair	Remove
11	Adonia merillii	Christmas Palm	20'	8'	6"	Fair	Remove
12	Dracaena marginata	Dracaena	20'	18'	8" Multi	Poor	Remove
13	Capparis cynophallophora	Jamaican Caper	5'	5'	2" Multi	Poor/Hedged	Remove
14	Citrus rosea	Autograph Tree	20'	35'	6"-12" Multi	Poor	Remove
15	Citrus rosea	Autograph Tree	20'	35'	8" Multi	Poor	Remove
16	Thrinax radiata	Thatch Palm	5'	8'	3"	Good	KW Bight
17	Thrinax radiata	Thatch Palm	20'	15'	4" Multi	Fair	PP 18 and Flagler
18	Thrinax radiata	Thatch Palm	20'	15'	5' 3 4" Multi	Fair	PP 18 and Flagler
19	Thrinax radiata	Thatch Palm	20'	10'	4"	Fair	KW Bight
20	Thrinax radiata	Thatch Palm	20'	10'	4"	Fair	KW Bight
21	Thrinax radiata	Thatch Palm	5'	8'	2"	Good	KW Bight
22	Codiaeum variegatum	Croton	10'	8'	Multi	Fair	KW Bight
23	Thrinax radiata	Thatch Palm	15'	15'	4"	Fair	KW Bight
24	Not Applicable						
25	Bursera smarouba	Gumbo Limbo	18'	15'	3 1/2"	Good	KW Bight
26	Myrcianthes fragrans	Simpson Stopper	18'	10'	3 1/2"	Good	KW Bight
27	Swietenia mahagoni	Mahogany	48'	42'	3-1/2"	Good	Bayview
28	Thrinax radiata	Thatch Palm	8'	7'	4"	Good	KW Bight
29	Ptychosperma macarthuri	McArthur Palm	25'	20'	2" Multi	Poor/Leggy	Remove
30	Codiaeum variegatum	Croton	15'	7'	Multi	Fair	Mallory
31	Thrinax radiata	Thatch Palm	5'	6'	3 1/2"	Good	Garrison B
32	Dypsis lasielliana	Teddy Bear Palm	30'	12'	7"	Good	KW Bight
33	Delonix regia	Poinciana	50'	30'	20"	Poor	Remove
34	Thrinax radiata	Thatch Palm	5'	6'	3"	Good	KW Bight
35	Sabal palmetto	Palmetto	30'	15'	13"	Good	KW Bight
36	Ptychosperma elegans	Alexander Palm	30'	9'	3 1/2"	Fair	Remove
37	Ptychosperma elegans	Alexander Palm	30'	9'	3 1/2"	Fair	Remove
38	Delonix regia	Poinciana	50'	30'	30"	Poor	Remove
39	Ptychosperma elegans	Alexander Palm	45'	10'	4"	Poor/Leggy	Remove
40	Muraya paniculata	Jasmine	10'	8'	2" Multi	Fair	Remove
41	Ptychosperma elegans	Alexander Palm	20'	10'	3" Multi	Fair	Remove
42	Muraya paniculata	Jasmine	10'	8'	3" Multi	Fair	Remove
43	Delonix regia	Poinciana	50'	30'	24"	Poor	Remove
44	Thrinax radiata	Thatch Palm	5'	8'	3"	Good	KW Bight
45	Codiaeum variegatum	Croton	12'	8'	Multi	Fair	Mallory
46	Thrinax radiata	Thatch Palm	20'	10'	4" Multi	Fair	KW Bight
47	Thrinax radiata	Thatch Palm	20'	10'	4" Multi	Fair	KW Bight
48	Thrinax radiata	Thatch Palm	12'	10'	5" Multi	Fair	Mallory
49	Thrinax radiata	Thatch Palm	30'	15'	4" Multi	Fair	KW Bight
50	Dracaena marginata	Dracaena	20'	20'	7" Multi	Poor	Remove
51	Erythrina herbaacea	Coral Bean	50'	20'	18"	Fair/Leggy	Remove
52	Capparis cynophallophora	Jamaican Caper	20'	15'	6"	Fair	KW Bight
53	Capparis cynophallophora	Jamaican Caper	20'	15'	2 1/2" Multi	Fair	KW Bight
54	Thrinax radiata	Thatch Palm	5'	6'	5"	Good	Garrison B
55	Not Identified	Yellow Poinciana	8'	12'	3"	Poor	Remove
56	Capparis cynophallophora	Jamaican Caper	20'	12'	6" Multi	Fair	KW Bight
57	Capparis cynophallophora	Jamaican Caper	20'	12'	4" Multi	Fair	KW Bight
58	Capparis cynophallophora	Jamaican Caper	15'	12'	5" Multi	Poor	Remove
59	Capparis cynophallophora	Jamaican Caper	15'	12'	2" Multi	Poor	Remove
60	Capparis cynophallophora	Jamaican Caper	15'	15'	7"	Fair	KW Bight
61	Peltophorum pterocarpum	Yellow Poinciana	50'	40'	45"	Poor	Remove
62	Large Tree Stamp		12'	12'	48"	Poor	Remove
63	Ptychosperma elegans	Alexander Palm	30'	10'	3"	Fair	Remove
64	Ptychosperma elegans	Alexander Palm	20'	10'	3"	Fair	Remove
65	Ptychosperma elegans	Alexander Palm	15'	10'	3"	Fair	Remove
66	Thrinax morisii	Key Thatch Palm	5'	6'	3"	Good	Garrison B
67	Sabal palmetto	Palmetto	12'	8'	8"	Good	Garrison B
68	Thrinax morisii	Key Thatch Palm	5'	6'	3"	Good	Garrison B
69	Sabal palmetto	Palmetto	15'	9'	8"	Good	Garrison B
70	Sabal palmetto	Palmetto	18'	9'	10"	Good	Garrison B
71	Thrinax morisii	Key Thatch Palm	4'	6'	3"	Good	Garrison B
72	Thrinax morisii	Key Thatch Palm	4'	6'	3"	Good	Garrison B
73	Sabal palmetto	Palmetto	16'	8'	9"	Good	Garrison B
74	Sabal palmetto	Palmetto	14'	8'	8"	Good	Garrison B
75	Sabal palmetto	Palmetto	10'	3'	9"	Fair	Garrison B
76	Thrinax morisii	Key Thatch Palm	4'	4'	2"	Good	Garrison B
77	Citrus aurantium	Sour Orange	15'	15'	10"	Poor	Remove
78	Tecoma stans	Yellow Elder	18'	15'	10"	Poor	Remove
79	Adonia merillii	Christmas Palm	18'	10'	5"	Fair	Garrison B
80	Plumeria rubra	Frangipani	12'	9'	5"	Poor	Remove
81	Sabal palmetto	Palmetto	15'	8'	8"	Good	Garrison B
82	Eugenia foetida	Spanish Stopper	6'	3'	1 1/2"	Good	PP 6th and Flagler
83	Sabal palmetto	Palmetto	15'	8'	8"	Good	KW Bight
84	Sabal palmetto	Palmetto	15'	8'	8"	Good	KW Bight
85	Sabal palmetto	Palmetto	12'	8'	9"	Good	KW Bight
86	Dipholis salticifolia	Willow-Bustle	10'	5'	1 1/2"	Good	Indigenous
87	Not Applicable						
88	Eugenia foetida	Spanish Stopper	10'	3'	1 1/2"	Good	KW Bight
89	Eugenia foetida	Spanish Stopper	6'	3'	1"	Good	KW Bight
90	Eugenia rhombea	Red Stopper	6'	4'	1" Multi	Good	Indigenous
91	Eugenia foetida	Spanish Stopper	8'	4'	1" Multi	Good	PP 6th and Flagler
92	Boureria cassinioloba	Little Strungbark	4'	7'	1" Multi	Good	PP 6th and Flagler
93	Calyptanthos pallens	Spicewood	7'	6'	1" Multi	Good	Indigenous
94	Serenoa repens	Saw Palmetto	3'	3'	NA	Good	KW Bight
95	Canella winterana	Wild Cinnamon	7'	4'	1"	Good	Indigenous
96	Coccothrinax argentata	Silver Palm	2'	2'	2"	Good	Indigenous
97	Lantana depressa	White Lantana	3'	4'	Multi	Good	Indigenous
98	Psychotria ligustrifolia	Dwarf Wild Coffee	3'	3'	Multi	Good	Garrison B
99	Zamia pumila	Coontie	3'	3'	NA	Good	Garrison B
100	Eugenia confusa	Red Berry Stopper	7'	4'	1" Multi	Good	PP Grinnel and Angela
101	Not Applicable						
102	Codiaeum variegatum	Croton	15'	9'	Multi	Fair	Mallory
103	Codiaeum variegatum	Croton	15'	9'	Multi	Fair	Mallory
104	Codiaeum variegatum	Croton	15'	9'	Multi	Fair	Mallory
105	Codiaeum variegatum	Croton	15'	9'	Multi	Fair	Mallory
106	Codiaeum variegatum	Croton	15'	9'	Multi	Fair	Mallory
107	Not Applicable						
108	Eugenia foetida	Spanish Stopper	8'	3'	1 1/2"	Good	Garrison B
109	Muraya paniculata	Jasmine	12'	12'	6"	Fair	Remove

Hedge

Hedge

very large

?

not here not here

?

Relocate?

save?

dead

look at each one - rereview

Relocate?

dead

deal

over

gone

gone

gone

not reg

relocate?

All Shrubs/Vegetation Not Shown On This Schedule Are To Be Removed.

110 Ficus native - strangler

multibranch 42" dbh total remove

111 4 Jamaica Capers — relocate

112 4i tree (spanish lime) — remove

44a - Thatch palm (relocate)

61a Thatch palm (relocate)

62a Alexander palm (relocate)

63a Thatch palm (relocate)

64a mahogany (relocate)

65a mahogany (relocate)

77c 4i Pittcolobium (remove)

103a 2 Thatch palms relocate

Seal:

Consultants:
STRUCTURAL ENGINEER:
TKW Consulting Engineers
5921 Banner Drive,
Fort Myers, Florida 33907
CIVIL ENGINEER:
Perez Engineering & Development, Inc.
1010 Kennedy Dr., Suite 201
Key West, Florida 33040
MEP/FP ENGINEER:
TLC Engineering for Architecture
1400 Colonial Boulevard, Suite 203
Fort Myers, Florida 33907
LANDSCAPE ARCHITECT:
Landscape Architecture, LLC
2525 Porco de Leon Blvd., Suite 300
Coral Gables, Florida 33134

Submissions:
2013.02.15 - Bidding Documents

FIRE STATION #2
616 Simonton Street, Key West, Florida
BUILDING AND SITE DEVELOPMENT
FOR
City of Key West, 3132 Flagler Avenue, Key West, Florida 33040

Drawing Size: Project #:
MK-12060
Drawn By: Checked By:
EN / JV EN

Title:
EXISTING TREE DISPOSITION PLAN

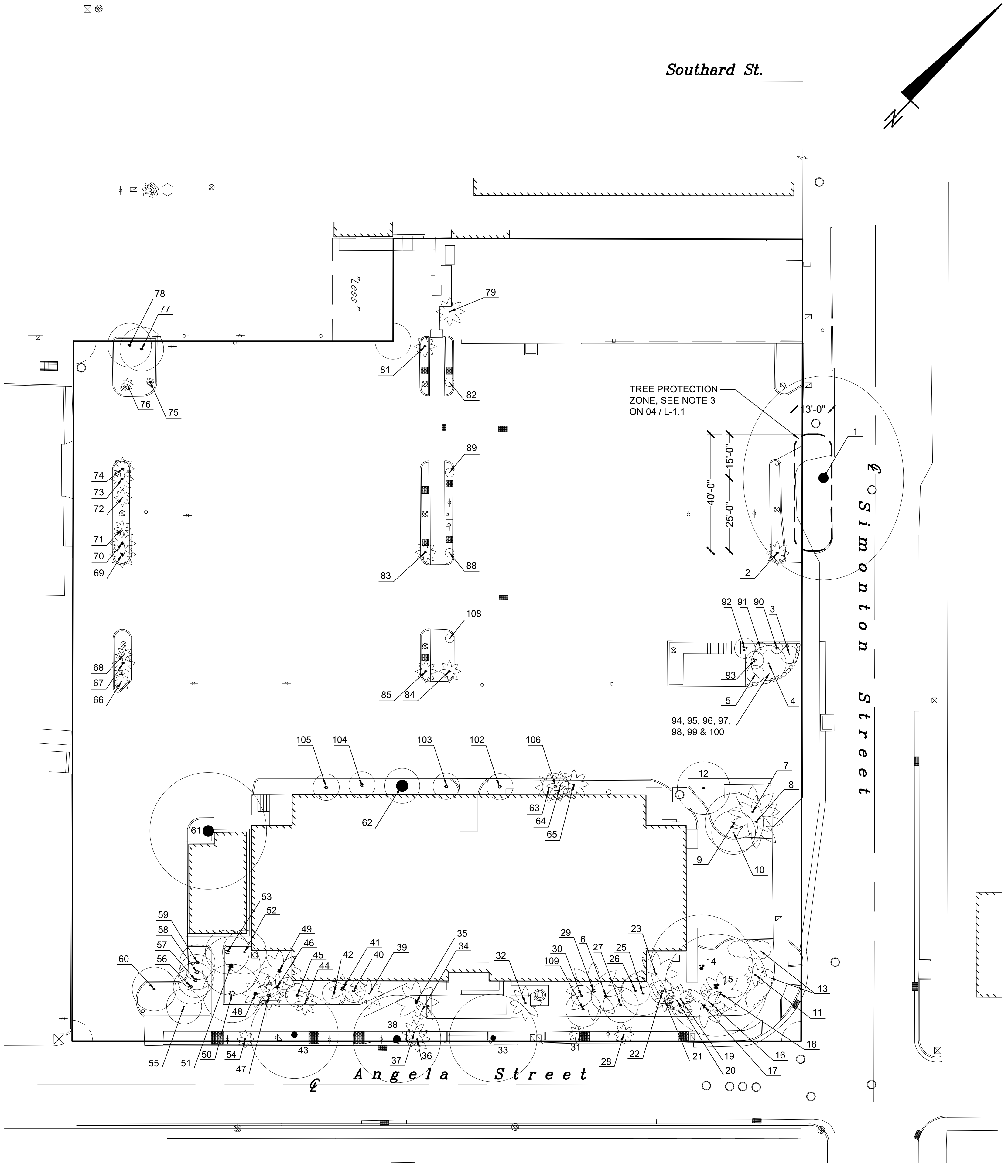
Sheet Number:

L-1.0

Date: February 15, 2013
©2013 by mbi | k2m Architecture, Inc.

NUMBER	BOTANICAL NAME	COMMON NAME	HEIGHT	SPREAD	CALIPER	CONDITION	STATUS
1	Swietenia mahagoni	Mahogany	60'	70' x 55'	40"	Specimen	Remain
2	Sabal palmetto	Palmetto	12'	8'	8"	Good	Remove
3	Bourreria ovata	Strong Bark	10'	6'	1 1/2"	Good	Remove
4	Lysiloma latisiliqua	Wild Tamarind	12'	12'	3 1/2"	Good	Remove
5	Bourreria ovata	Strong Bark	10'	6'	1 1/2"	Good	Remove
6	Codiaeum variegatum	Croton	15'	10'	Multi	Fair	Remove
7	Cocos nucifera	Coconut	20'	18'	7"	Good	Remove
8	Cocos nucifera	Coconut	20'	18'	7"	Good	Remove
9	Ficus	Fig	20'	20'	4 1/2"	Fair	Remove
10	Not Identified		20'	15'	4 1/2"	Fair	Remove
11	Adonidia merrillii	Christmas Palm	20'	8'	6"	Fair	Remove
12	Dracaena marginata	Dracaena	20'	18'	8" Multi	Poor	Remove
13	Capparis cynophallophora	Jamaican Caper	5'	5'	2" Multi	Poor/Hedged	Remove
14	Clusia rosea	Autograph Tree	20'	35'	6"-12" Multi	Poor	Remove
15	Clusia rosea	Autograph Tree	20'	35'	8" Multi	Poor	Remove
16	Thrinax radiata	Thatch Palm	5'	8'	3"	Good	Remove
17	Thrinax radiata	Thatch Palm	20'	15'	4" Multi	Fair	Remove
18	Thrinax radiata	Thatch Palm	20'	15'	5" & 4" Multi	Fair	Remove
19	Thrinax radiata	Thatch Palm	20'	10'	4"	Fair	Remove
20	Thrinax radiata	Thatch Palm	20'	10'	4"	Fair	Remove
21	Thrinax radiata	Thatch Palm	5'	8'	2"	Good	Remove
22	Codiaeum variegatum	Croton	10'	8'	Multi	Fair	Remove
23	Thrinax radiata	Thatch Palm	15'	15'	4"	Fair	Remove
24	Not Applicable						
25	Bursera simarouba	Gumbo Limbo	18'	15'	3 1/2"	Good	Remove
26	Myrcianthes fragrans	Simpson Stopper	18'	10'	3 1/2"	Good	Remove
27	Swietenia mahagoni	Mahogany	18'	12'	3 1/2"	Good	Remove
28	Thrinax radiata	Thatch Palm	6'	7'	4"	Good	Remove
29	Ptychosperma macarthurii	McArthur Palm	25'	20'	2" Multi	Poor/Leggy	Remove
30	Codiaeum variegatum	Croton	15'	7'	Multi	Fair	Remove
31	Thrinax radiata	Thatch Palm	6'	6'	3 1/2"	Good	Remove
32	Dypsis lastelliana	Teddy Bear Palm	30'	12'	7"	Good	Remove
33	Delonix regia	Poinciana	50'	30'	20"	Poor	Remove
34	Thrinax radiata	Thatch Palm	5'	6'	3"	Good	Remove
35	Sabal palmetto	Palmetto	30'	15'	13"	Good	Remove
36	Ptychosperma elegans	Alexander Palm	30'	9'	3 1/2"	Fair	Remove
37	Ptychosperma elegans	Alexander Palm	30'	9'	3 1/2"	Fair	Remove
38	Delonix regia	Poinciana	50'	30'	30"	Poor	Remove
39	Ptychosperma elegans	Alexander Palm	45'	10'	4"	Poor/Leggy	Remove
40	Murraya paniculata	Jasmine	10'	8'	2" Multi	Fair	Remove
41	Ptychosperma elegans	Alexander Palm	20'	10'	3" Multi	Fair	Remove
42	Murraya paniculata	Jasmine	10'	8'	3" Multi	Fair	Remove
43	Delonix regia	Poinciana	50'	30'	24"	Poor	Remove
44	Thrinax radiata	Thatch Palm	6'	8'	3"	Good	Remove
45	Codiaeum variegatum	Croton	12'	8'	Multi	Fair	Remove
46	Thrinax radiata	Thatch Palm	20'	10'	4" Multi	Fair	Remove
47	Thrinax radiata	Thatch Palm	20'	10'	4" Multi	Fair	Remove
48	Thrinax radiata	Thatch Palm	12'	10'	5" Multi	Fair	Remove
49	Thrinax radiata	Thatch Palm	30'	15'	4" Multi	Fair	Remove
50	Dracaena marginata	Dracaena	20'	20'	7" Multi	Poor	Remove
51	Erythrina herbacea	Coral Bean	50'	20'	18"	Fair/Leggy	Remove
52	Capparis cynophallophora	Jamaican Caper	20'	15'	6"	Fair	Remove
53	Capparis cynophallophora	Jamaican Caper	20'	15'	2 1/2" Multi	Fair	Remove
54	Thrinax radiata	Thatch Palm	5'	6'	5"	Good	Remove
55	Not Identified		8'	12'	3"	Poor	Remove
56	Capparis cynophallophora	Jamaican Caper	20'	12'	6" Multi	Fair	Remove
57	Capparis cynophallophora	Jamaican Caper	20'	12'	4" Multi	Fair	Remove
58	Capparis cynophallophora	Jamaican Caper	15'	12'	5" Multi	Poor	Remove
59	Capparis cynophallophora	Jamaican Caper	15'	12'	2" Multi	Poor	Remove
60	Capparis cynophallophora	Jamaican Caper	15'	15'	7"	Fair	Remove
61	Peltophorum pterocarpum	Yellow Poinciana	50'	40'	45"	Poor	Remove
62	Large Tree Stump		12'	12'	48"	Poor	Remove
63	Ptychosperma elegans	Alexander Palm	30'	10'	3"	Fair	Remove
64	Ptychosperma elegans	Alexander Palm	20'	10'	3"	Fair	Remove
65	Ptychosperma elegans	Alexander Palm	15'	10'	3"	Fair	Remove
66	Thrinax morrisii	Key Thatch Palm	5'	6'	3"	Good	Remove
67	Sabal palmetto	Palmetto	12'	8'	8"	Good	Remove
68	Thrinax morrisii	Key Thatch Palm	5'	6'	3"	Good	Remove
69	Sabal palmetto	Palmetto	15'	9'	8"	Good	Remove
70	Sabal palmetto	Palmetto	16'	9'	10"	Good	Remove
71	Thrinax morrisii	Key Thatch Palm	4'	6'	3"	Good	Remove
72	Thrinax morrisii	Key Thatch Palm	4'	6'	3"	Good	Remove
73	Sabal palmetto	Palmetto	16'	8'	9"	Good	Remove
74	Sabal palmetto	Palmetto	14'	8'	8"	Good	Remove
75	Sabal palmetto	Palmetto	10'	3'	9"	Fair	Remove
76	Thrinax morrisii	Key Thatch Palm	4'	4'	2"	Good	Remove
77	Citrus aurantium	Sour Orange	15'	15'	10"	Poor	Remove
78	Tecoma stans	Yellow Elder	18'	15'	10"	Poor	Remove
79	Adonidia merrillii	Christmas Palm	18'	10'	5"	Fair	Remove
80	Not Applicable						
81	Sabal palmetto	Palmetto	15'	8'	8"	Good	Remove
82	Eugenia foetida	Spanish Stopper	6'	3'	1 1/2"	Good	Remove
83	Sabal palmetto	Palmetto	15'	8'	8"	Good	Remove
84	Sabal palmetto	Palmetto	15'	8'	8"	Good	Remove
85	Sabal palmetto	Palmetto	12'	8'	9"	Good	Remove
86	Not Applicable						
87	Not Applicable						
88	Eugenia foetida	Spanish Stopper	10'	3'	1 1/2"	Good	Remove
89	Eugenia foetida	Spanish Stopper	6'	3'	1"	Good	Remove
90	Eugenia rhombea	Red Stopper	6'	4'	1" Multi	Good	Remove
91	Eugenia foetida	Spanish Stopper	4'	4'	1" Multi	Good	Remove
92	Bourreria cassiniifolia	Little Strongbark	4'	7'	1" Multi	Good	Remove
93	Calyptrothrix pallens	Spicewood	7'	6'	1" Multi	Good	Remove
94	Serenoa repens	Saw Palmetto	3'	3'	NA	Good	Remove
95	Canella winterana	Wild Cinnamon	7'	4'	1"	Good	Remove
96	Coccothrinax argentata	Silver Palm	2'	2'	2"	Good	Remove
97	Lantana depressa	White Lantana	3'	4'	Multi	Good	Remove
98	Psychotria ligustrifolia	Dwarf Wild Coffee	3'	3'	Multi	Good	Remove
99	Zamia pumila	Coontie	3'	3'	NA	Good	Remove
100	Eugenia confusa	Red Berry Stopper	7'	4'	1" Multi	Good	Remove
101	NA						
102	Codiaeum variegatum	Croton	15'	9'	Multi	Fair	Remove
103	Codiaeum variegatum	Croton	15'	9'	Multi	Fair	Remove
104	Codiaeum variegatum	Croton	15'	9'	Multi	Fair	Remove
105	Codiaeum variegatum	Croton	15'	9'	Multi	Fair	Remove
106	Codiaeum variegatum	Croton	15'	9'	Multi	Fair	Remove
107	NA						
108	Eugenia foetida	Spanish Stopper	8'	3'	1 1/2"	Good	Remove
109	Murraya paniculata	Jasmine	12'	12'	6"	Fair	Remove

All Shrubs/Vegetation/Stumps Not Shown On This Schedule Are To Be Removed



NOTES:
Tree #1 Swietenia mahagoni scheduled to remain may pose risks due to age, condition and location. The General Contractor is responsible for obtaining the advice of an International Society of Arboriculture Certified Arborist regarding the condition of the tree and shall provide any tree care that may be needed to mitigate risks prior to construction commencing.

01 TREE DISPOSITION LIST
SCALE: N.T.S.

02 EXISTING TREE DISPOSITION PLAN
SCALE: 1"=10'-0"

GENERAL NOTES

- Landscape Contractor is responsible for verifying locations of all underground and overhead utilities and easements prior to commencing work. All utility companies and/or the General Contractor and Irrigation Contractor shall be notified to verify existing and proposed utility locations prior to Landscape Contractor digging. The Owner or Landscape Architect shall not be responsible for damage to utility or irrigation lines.
- Landscape Contractor shall examine the site and become familiar with conditions affecting the installation prior to submitting bids. Failure to do so shall not be considered cause for future extras or complaints.
- Landscape Contractor is responsible for verifying all plant quantities prior to bidding and within (7) seven calendar days of receipt of these plans shall notify the Landscape Architect in writing of any and all discrepancies. In case of discrepancies planting plan quantities shall take precedence over plant list quantities.
- No substitutions are to be made without prior consent of the Landscape Architect. Alternate plant material shall meet same specifications as original selection. Plant material supply is the responsibility of the Landscape Contractor, and he/she shall take steps to insure availability at time of planting.
- All plant material shall meet the size on the plant list. Plant material shall not exceed the specifications without prior consent of the Landscape Architect. In all cases meeting the height and the spread specifications shall take precedence over container size.
- The Landscape Contractor is to remove and discard from site existing unwanted trees, palms, shrubs, groundcovers, sod and weeds within landscape areas.
- Landscape Contractor to provide finish grade in plant beds and planters 3" lower than finish elevation of hardscape elements to accommodate 3" layer of mulch. Hardscape elements include roads, driveways, curbs, sidewalks and planters.

PLANTING NOTES

- Landscape Contractor shall furnish and install all trees, palms, shrubs, groundcover, planting soil, fertilizer, soil amendments, herbicide, pre-emergence herbicide, gravel and mulch.
- Landscape Contractor shall guarantee all plant material for a period of one year from the day of final acceptance by the Landscape Architect and Owner.
- All plant material shall be Florida #1 or better, as defined in the Grades and Standards for Nursery Plants, Part 1 and II by the State of Florida Department of Agriculture.
- Landscape Contractor is responsible for scheduling a nursery visit for Landscape Architect to approve all trees, palms and shrubs prior to delivery to the project site.
- Landscape Contractor is responsible for scheduling a site stake out approval by Landscape Architect to approve the stake out of all trees and palms prior to installation.
- Landscape Contractor is responsible for scheduling a site stake out approval by Landscape Architect to approve stake out of all shrubs and groundcover prior to installation.
- Landscape Contractor shall coordinate work with that of the Irrigation Contractor.
- After existing weeds and grass have been removed from site the Landscape Contractor shall determine if a pre-emergence herbicide is necessary. A Florida Licensed Pesticide Applicator shall treat new plant areas with pre-emergence herbicide in accordance with manufacturer's recommendations. If needed Landscape Contractor shall not install new vegetation until manufacturer's recommended duration for no planting after installation of pre-emergence herbicide has been met.
- The Landscape Contractor shall maintain all finish grades for existing berms and swales established by General Contractor. Any impacts to elevations of berms or swales as a result of plant material installation shall be repaired to correct finish grade prior to installing mulch, sod or gravel.
- Planting soil shall be a mix of 50% inland mulch and 50% freshwater sand for shrubs and trees and 30% inland mulch and 70% sand for palms. Planting soil mix must be clean and free of construction debris, weeds, rock and noxious pests and disease.
- All soil mix in plant beds for groundcovers, shrubs, palms and trees shall be as per details.
- All planting areas and planting pits shall be tested for sufficient percolation prior to final planting and irrigation installation to ensure proper drainage. Plant beds in parking lots and in areas compacted by heavy equipment shall be de-compacted so that drainage is not impeded.
- All synthetic ducts, string, cords or wire baskets shall be removed before trees are planted. All synthetic tape shall be removed from branches and trunks prior to final acceptance. The top 1/3 of the burlap shall be removed or tucked into the plant pit before the trees are backfilled.
- Landscape Contractor is responsible for mulching all plant beds with a minimum 3" layer of natural color Eucalyptus or Enviro-mulch immediately after planting. In no case shall Cypress mulch or red color mulch be used.
- Landscape Contractor shall guy and stake all trees and palms as per specifications and details. No paint shall be applied to any surface of trees or palms. No nails, screws or wiring shall penetrate the outer surface of trees and palms. All guying and staking shall be removed twelve months after planting.
- All palm and tree guy wires and bracing are to be flagged for visibility for their duration. All unattended and unplanted tree pits shall be properly banded and flagged during construction.
- Landscape Contractor is responsible for obtaining approval of Landscape Architect prior to pruning any new or existing plant material. Broken branches are to be pruned according to ANSI A-300 Guidelines for Tree Pruning.
- Landscape Contractor to provide all plants with watering as indicated below or until such time that a permanent irrigation system has been installed that provides 100% coverage of landscape.
First Month-Daily Watering, Second Month-3 Times Per Week, Third and Fourth Month-2 Times Per Week, Last Eight Months-1 Time Per Week. At each watering procedure apply to the top of the root ball 2-3 gallons of water per inch of trunk caliper.
- Landscape Contractor is responsible for obtaining existing soil test, planting mix soil test and plant analysis to determine if fertilizer or other soil amendments are necessary. Landscape Contractor is responsible for selecting the appropriate fertilizers or other soil amendments for each plant. Fertilizer shall comply with State of Florida fertilizer laws and shall be installed according to manufacturer's recommendations.

01 GENERAL PLANTING NOTES
SCALE: N.T.S.

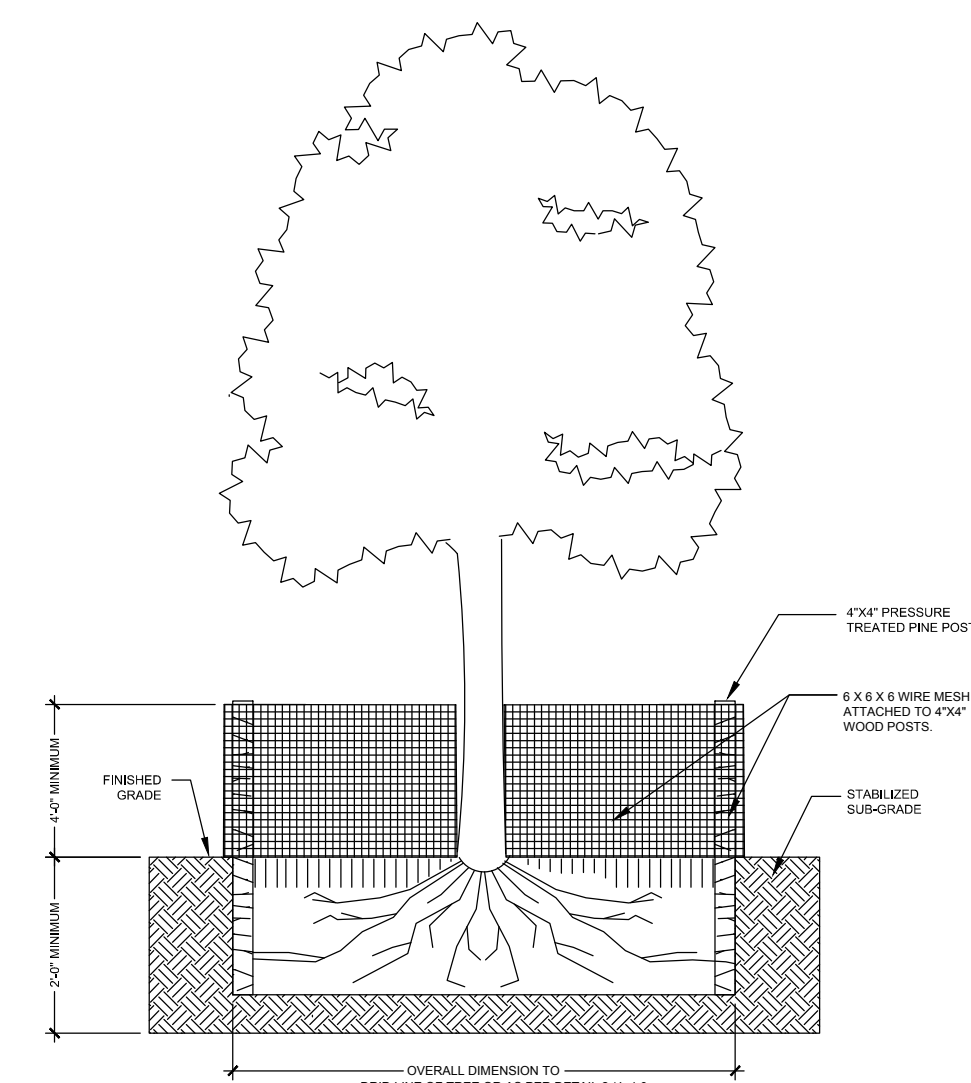
L-1.1

TREE PROTECTION NOTES:

- Before beginning work, the General Contractor is required to meet at the site with the City of Key West Urban Forester, Landscape Architect and Landscape Contractor to review all work procedures, access routes, storage areas, and tree protection measures.
- The General Contractor shall consult with an ISA Certified Arborist regarding the condition of the existing Swietenia mahagoni and shall hire an ISA Certified Arborist to perform tree care that may be needed to mitigate risks prior to construction commencing. General Contractor is responsible for coordinating a meeting with ISA Certified Arborist, Landscape Architect, City of Key West Urban Forester and Landscape Contractor prior to tree care and construction commencing.
- All tree pruning necessary shall be in accordance with ANSI A-300 Standards.
- The General Contractor shall erect fences to protect Swietenia mahagoni as per Tree Protection Detail 03/L-1.1 and Tree Disposition Plan L-1.0 prior to construction commencing. Fences define a specific protection zone for each tree or group of trees to be protected. Fences are to remain until all site work has been completed.
- Construction trailers, traffic and storage areas must remain outside fenced areas at all times.
- All underground utilities and drain or irrigation lines shall be routed outside the tree protection zone. If lines must traverse the protection area, they shall be tunneled or bored under the tree.
- No construction materials, equipment, spoil, or waste or washout water may be deposited, stored, or parked within the tree protection zone (fenced areas).
- Any herbicides placed under paving materials must be safe for use around trees and labeled for that use. Any pesticides used on site must be safe for use around trees and not easily transported by water.
- If injury should occur to any tree during construction, the General Contractor is responsible for notifying the City of Key West Urban Forester, ISA Certified Arborist, Landscape Architect and Landscape Contractor as soon as possible so that appropriate treatments can be applied.
- The General Contractor shall notify the City of Key West Urban Forester, ISA Certified Arborist, Landscape Architect and Landscape Contractor of any grading, construction, demolition, or other work that is expected to encounter tree roots.
- Additional tree pruning that may be required for clearance during construction shall be approved by City of Key West Urban Forester and performed by an ISA Certified Arborist as per ANSI A-300 Standards.
- All trees remaining on site shall be irrigated three times a week for the duration of construction. At each irrigation procedure shall apply to the soil area within the tree protection zone 2-3 gallons of water per inch of trunk caliper.
- Erosion control devices such as silt fencing, debris basins, and water diversion structures shall be installed to prevent siltation and/or erosion within the tree protection zone.
- Before grading, pad preparation, or excavation for foundations, footings, walls, sidewalks, curbs or trenching near trees the trees shall be root pruned 12 inches outside the tree protection zone by cutting all roots cleanly to a depth of 36 inches. Roots shall be cut manually by digging a trench and cutting exposed roots with a saw, vibrating knife, rock saw, narrow trencher with sharp blades, or other approved root-pruning equipment.
- Any roots damaged during grading or construction shall be exposed to sound tissue and cut cleanly with a saw.
- If temporary haul or access roads must pass over the root area of trees to be retained, a road bed of 6 inches of mulch or gravel shall be created to protect the soil. The road bed material shall be replenished as necessary to maintain a 6-inch depth.
- Spoil from trenches, basements, or other excavations shall not be placed within the tree protection zone, either temporarily or permanently.
- No burn piles or debris pits shall be placed within the tree protection zone. No ashes, debris, or garbage may be dumped or buried within the tree protection zone.
- Maintain fire-safe areas around fenced tree protection areas. Also, no heat sources, flames, ignition sources, or smoking is allowed near mulch or trees.

02 TREE PROTECTION NOTES
SCALE: N.T.S.

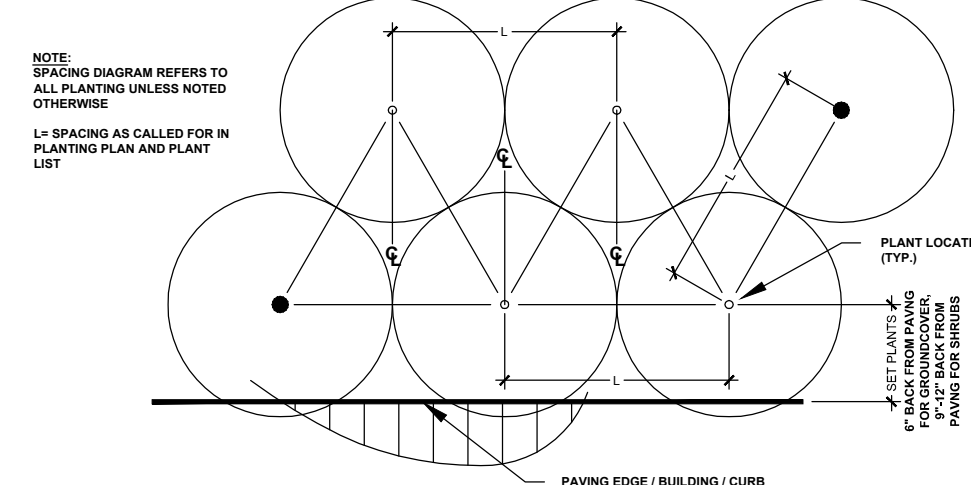
L-1.1



03 TREE PROTECTION DETAIL

SCALE: N.T.S.

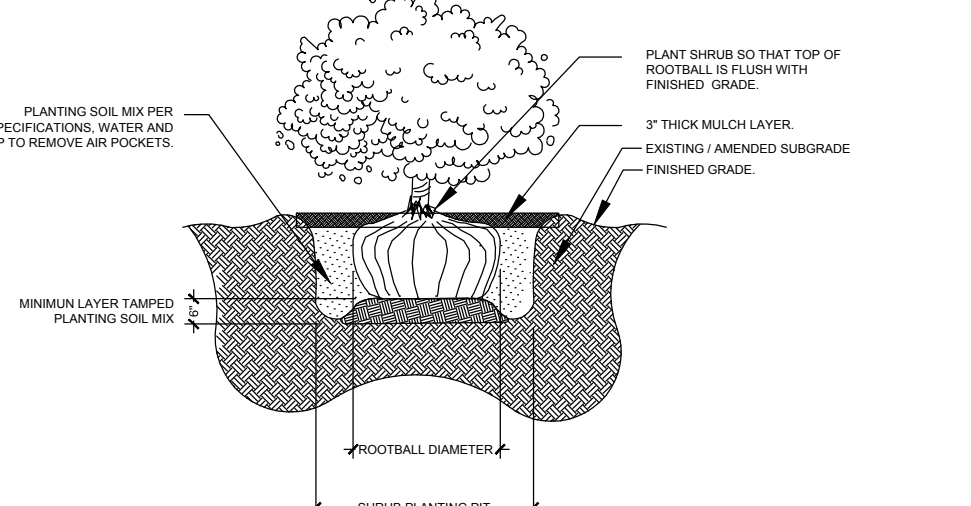
L-1.1



04 SHRUB PLANTING DETAIL

SCALE: N.T.S.

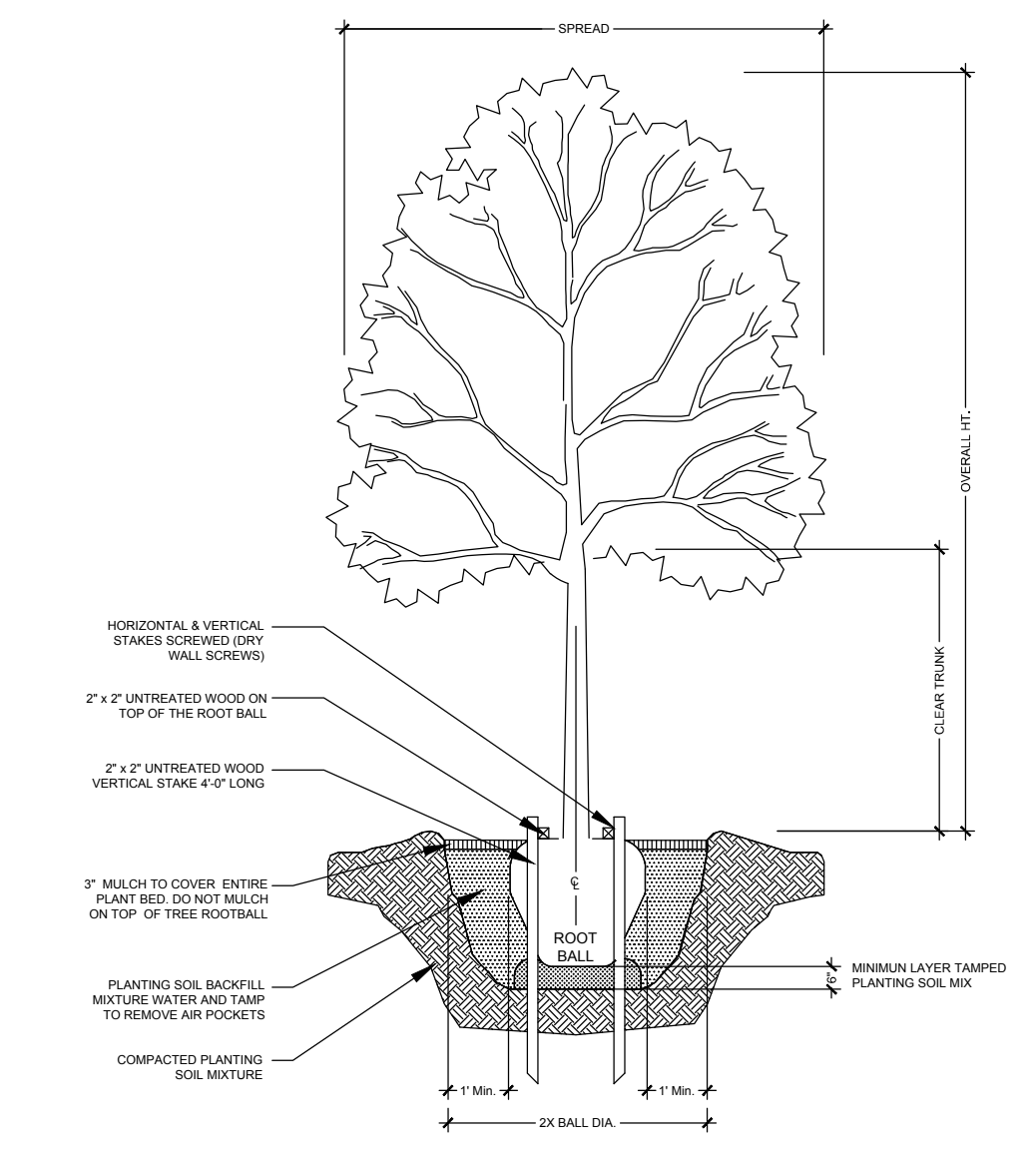
L-1.1



05 SHRUB PLANTING DETAIL

SCALE: N.T.S.

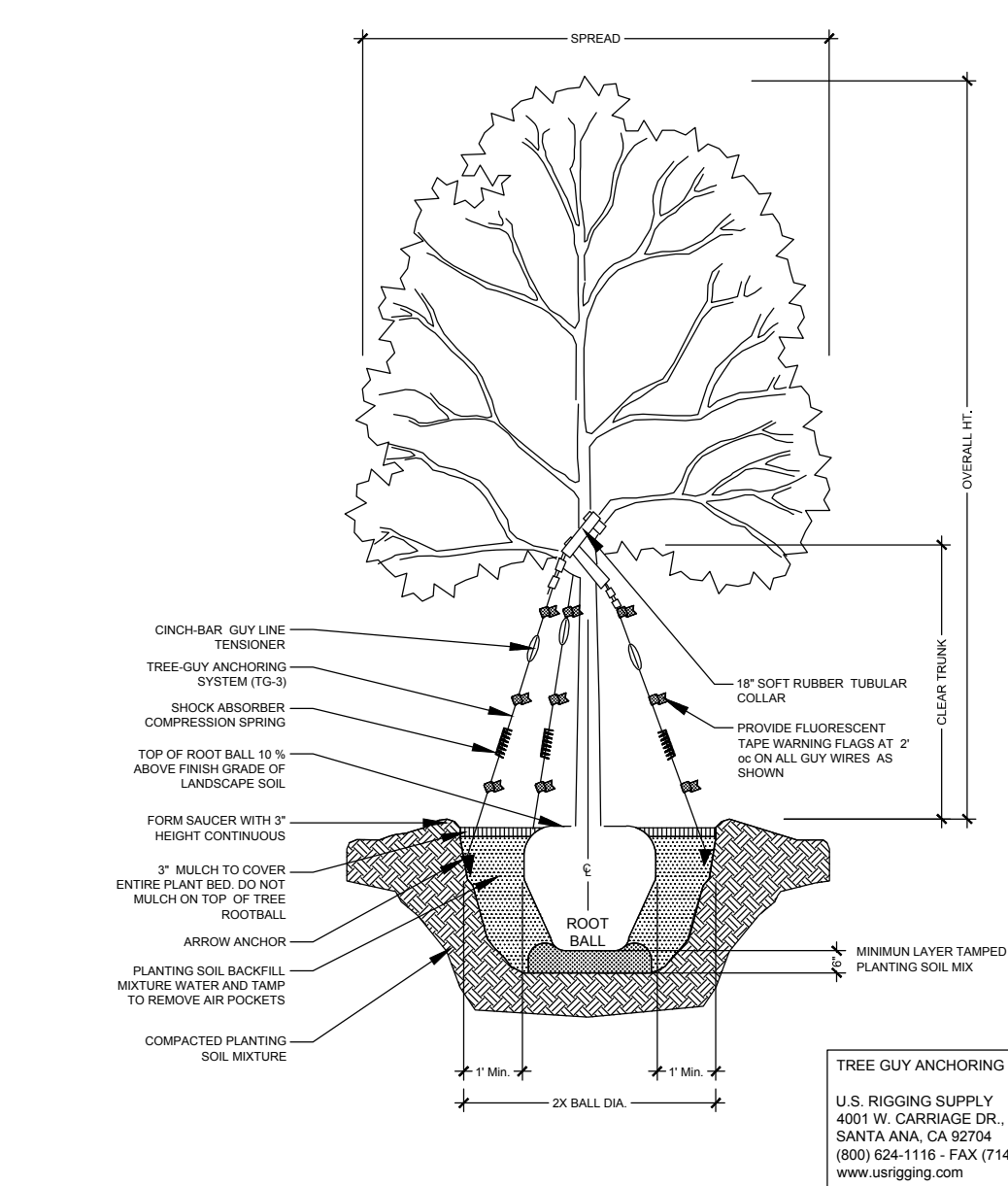
L-1.1



06 TREE PLANTING DETAIL PLAZA

SCALE: N.T.S.

L-1.1



07 TREE TRANSPLANTING DETAIL

SCALE: N.T.S.

L-1.1

Seal:

Consultants:

- STRUCTURAL ENGINEER:
TKW Consulting Engineers
5921 Banner Drive,
Fort Myers, Florida 33912
- CIVIL ENGINEER:
Perez Engineering & Development, Inc.
1010 Kennedy Dr., Suite 201
Key West, Florida 33040
- MEP / EP ENGINEER:
TKW Consulting Engineers
1400 Colonial Boulevard, Suite 203
Fort Myers, Florida 33907
- LANDSCAPE ARCHITECT:
Landscape Architecture, LLC
2525 Porce de Leon Blvd., Suite 300
Coral Gables, Florida 33134

Submissions:

- 2013.02.15 - Bidding Documents

FIRE STATION #2
616 Simonton Street, Key West, Florida

BUILDING AND SITE DEVELOPMENT
FOR
City of Key West, 3132 Flagler Avenue, Key West, Florida 33040

Drawing Size	Project #:
EN / JV	MK-12060
Drawn By:	Checked By:
EN / JV	EN

Title:
TRANSPLANTING & PLANTING NOTES & DETAILS

Sheet Number:

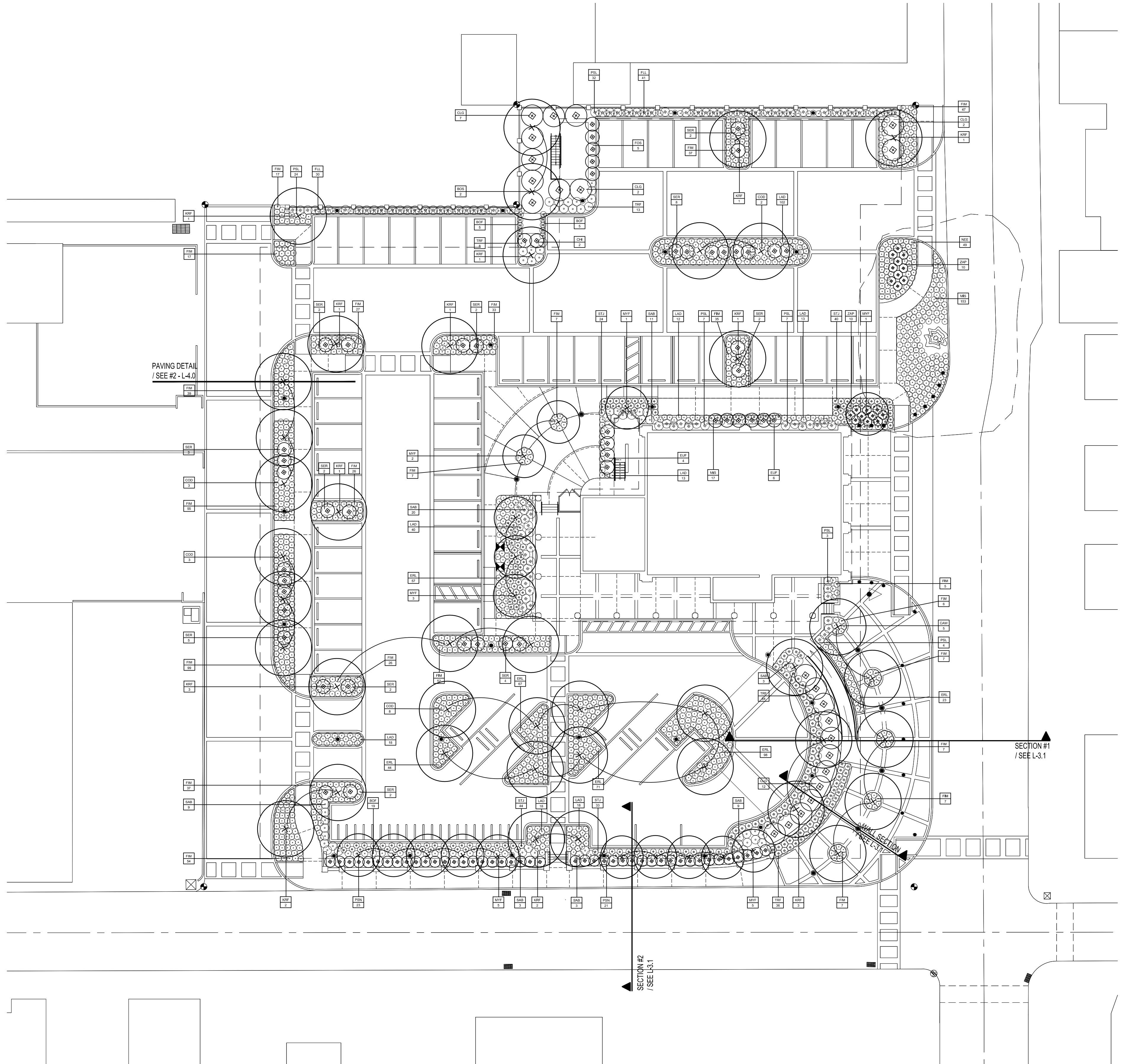
L-1.1

KEY	QUANTITY	SCIENTIFIC NAME	COMMON NAME	NATIVE	CALIPER	HEIGHT	CANOPY	CONTAINER	SPACING	CONDITION
TREES										
BOS	2	Bourreria succulenta	Bahama Strongbark	Yes	2'-3"	12'-14'	8'-10'	100 Gal	As Shown	5' CT
CAW	5	Canella winterana	Cinnamon Bark	Yes	2'-3"	12'-14'	8'-10'	100 Gal	As Shown	5' CT
COD	13	Coccoloba diversifolia	Pigeon Plum	Yes	3'-4"	14'-16'	8'-10'	100 Gal	As Shown	5' CT
KRF	17	Krugiodendron ferreum	Ironwood	Yes	2'-3"	14'-16'	8'-10'	100 Gal	As Shown	5' CT
MYF	17	Myrcianthes fragrans	Simpson Stopper	Yes	2'-3"	14'-16'	8'-10'	100 Gal	As Shown	Multi 5' CT
LARGE SHRUBS										
CLG	23	Clusia guttifera	Small Leaf Clusia	Yes	NA	8'-10'	6'-8'	50 Gal	As Shown	Shrub Type
EUF	10	Eugenia foetida	Spanish Stopper	Yes	NA	8'-10'	4'-6'	50 Gal	As Shown	Shrub Type
MEDIUM SHRUBS										
CHI	2	Chrysobalanus icaco	Cocoplum	Yes	NA	24'-36"	24'-36"	7 Gal	As Shown	
FOS	5	Forestiera segregata	Florida Privet	Yes	NA	24'-36"	24'-36"	7 Gal	As Shown	
PSN	44	Psychotria nervosa	Wild Coffee	Yes	NA	24'-36"	24'-36"	7 Gal	As Shown	
SER	34	Serenoa repens	Saw Palmetto	Yes	NA	36'-48"	36'-48"	15 Gal	As Shown	Silver
SMALL SHRUBS										
FMI	656	Ficus microcarpa 'Green Island'	Green Island Ficus	No	NA	18'-24"	18'-24"	3 Gal	As Shown	
PSL	77	Psychotria ligustrifolia	Dwarf Wild Coffee	Yes	NA	18'-24"	18'-24"	3 Gal	As Shown	
SAB	58	Savia bahamensis	Maiden Bush	Yes	NA	18'-24"	18'-24"	3 Gal	As Shown	
TRF	121	Tripsacum floridanum	Dwarf Fakahatchee	Yes	NA	18'-24"	18'-24"	3 Gal	As Shown	
ZAP	20	Zamia pumila	Coontie	Yes	NA	24'-36"	24'-36"	15 Gal	As Shown	
GROUNDCOVER										
BOF	29	Borreria frutescens	Sea Ox-Eye Daisy	Yes	NA	12'-18"	12'-18"	1 Gal	As Shown	
ERL	360	Erodia littoralis	Golden Creeper	Yes	NA	12'-18"	12'-18"	1 Gal	As Shown	
FLL	71	Flaveria linearis	Yellowtop	Yes	NA	12'-18"	12'-18"	1 Gal	As Shown	
LAD	234	Lantana depressa	Pineland Lantana	Yes	NA	12'-18"	12'-18"	1 Gal	As Shown	
MIS	170	Microsorium scolopendrium	Wart Fern	No	NA	12'-18"	12'-18"	1 Gal	As Shown	
NEE	49	Nephrolepis exallata 'Bostoniensis'	Boston Fern	Yes	NA	12'-18"	12'-18"	1 Gal	As Shown	
STJ	141	Stachytarpheta jamaicensis	Porterweed	Yes	NA	12'-18"	12'-18"	1 Gal	As Shown	

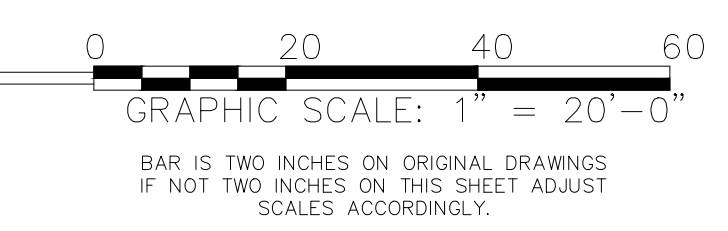
LEGEND:

- CONCRETE BOLLARD
- POLE LIGHT
- ⊠ PARKING PAY STATION
- ⊠ PARKING SIGNAGE

NOTE:
SEE ARCHITECTURAL AND ELECTRICAL
ENGINEERING PLANS FOR DETAILS.



01 LANDSCAPE PLAN
SCALE: 1" = 20'-0"



Seal:

Consultants:
STRUCTURAL ENGINEER:
TKW Consulting Engineers
5921 Banner Drive,
Fort Myers, Florida 33907
CIVIL ENGINEER:
Perez Engineering & Development, Inc.
1010 Kennedy Dr., Suite 201
Key West, Florida 33040
MEP/FP ENGINEER:
LIC Engineering for Architecture
1400 Colonial Boulevard, Suite 203
Fort Myers, Florida 33907
LANDSCAPE ARCHITECT:
Landscape Architecture, LLC
2525 Porco de Leon Blvd., Suite 300
Coral Gables, Florida 33134

Submissions:
2013.02.15 - Bidding Documents

FIRE STATION #2
616 Simonton Street, Key West, Florida
BUILDING AND SITE DEVELOPMENT
FOR
City of Key West, 3132 Flagler Avenue, Key West, Florida 33040

PLOTTED: 2/13/2013 9:09 PM
Drawing Size: 24x36 Project #: MK-12060
Drawn By: EN-JV Checked By: EN

Title:
PLANTING PLAN
Sheet Number:
L-2.0
Date: February 15, 2013
©2013 by mbi | k2m Architecture, Inc.

I:\Users\jwagner\Documents\Projects\2013\02-15-13\Fire Station\2013-02-15-13.dwg, 2/13/2013 9:09 PM, User: jwagner, Plot: 1"=20'-0"



CITY OF KEY WEST

TREE PERMIT

Permit# 5416 Date Issued 10/26/09

Address 525 Angela Street/City Hall

This is to certify that City of Key West

has permission to Remove and transplant as per plans submitted and
approved. In addition to approved landscape planting plan (1) Poinciana and
several palms shall be added to plantings. Replacements shall be native canopy
trees, minimum 12' o. a., Fl #1, and shall be planted according to current 'Best
Management Practices'. Call Landscape office for coordination. **Permit will be**
released with Building Department permit and commencement of
construction.

as per application approved 10/19/2009

The person accepting this permit shall conform to the terms of the application on file in the office of the Tree Commission of Key West. All work shall conform to the requirements of the Code of Ordinances of the City of Key West, Chapter 110-Article VI. Tree Protection.

This Tree Permit is effective for 6 months from the date issued.

IMPORTANT NOTICE

This card must be posted in a location clearly visible from the street and in a protected covering.

APPROVED BY Rudy Molinet-Chairperson

City of Key West, Florida
Tree Commission
PO Box 1409
Key West, FL 33040



MEMO

TO: Amy Kimball-Murley
Planning Director

FROM: Cynthia Domenech-Coogle
Urban Forestry Program Mgr.

DATE: September 09, 2009

SUBJECT: New City Hall Tree Disposition and Landscape Plan

All trees, with the exception of the very large, historic Mahogany tree on Simonton Street, will be removed. Of the 35 trees 20 will be transplanted and 14 will be removed. Their structural condition does not warrant transplanting or retaining. 48 palms currently exist on property; 39 will be transplanted and 9 will be removed. Transplanting of trees and palms will be to city properties to be determined at a later date.

The landscape plan meets or exceeds the requirements according to the City of Key West Code of Ordinances with the exception of the 20% minimum landscape area.

This item will appear on the City of Key West Tree Commission agenda on October 19, 2009 at which time a decision will be made.

According to ordinance Sec.108-411 (a) Landscape Approval this item is acceptable and may be forwarded to the City of Key West Planning Board.

PUBLIC WORKS FACILITY, 633 PALM AVENUE, KEY WEST, FL 33040
305/809-3768 office, 305/296-6152 fx