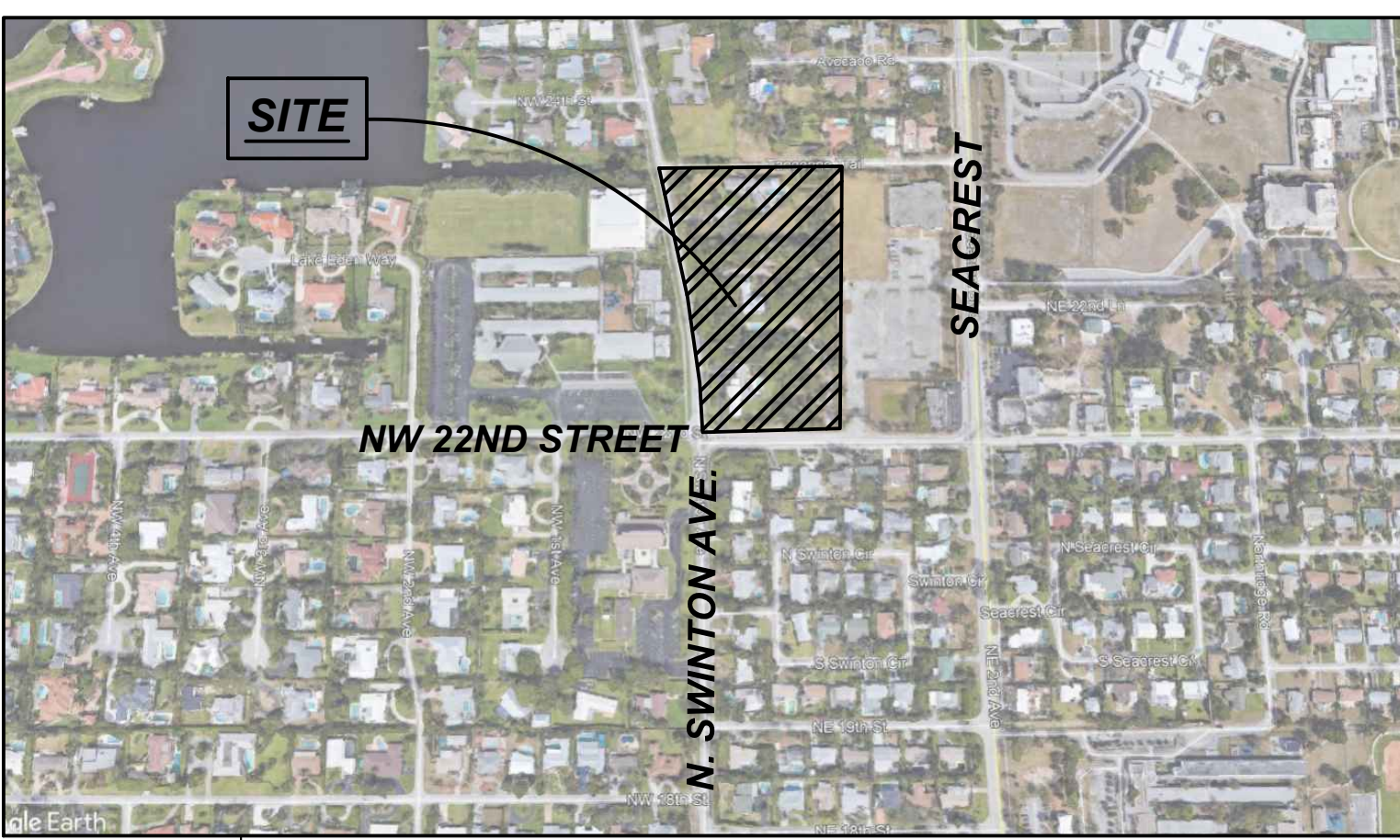
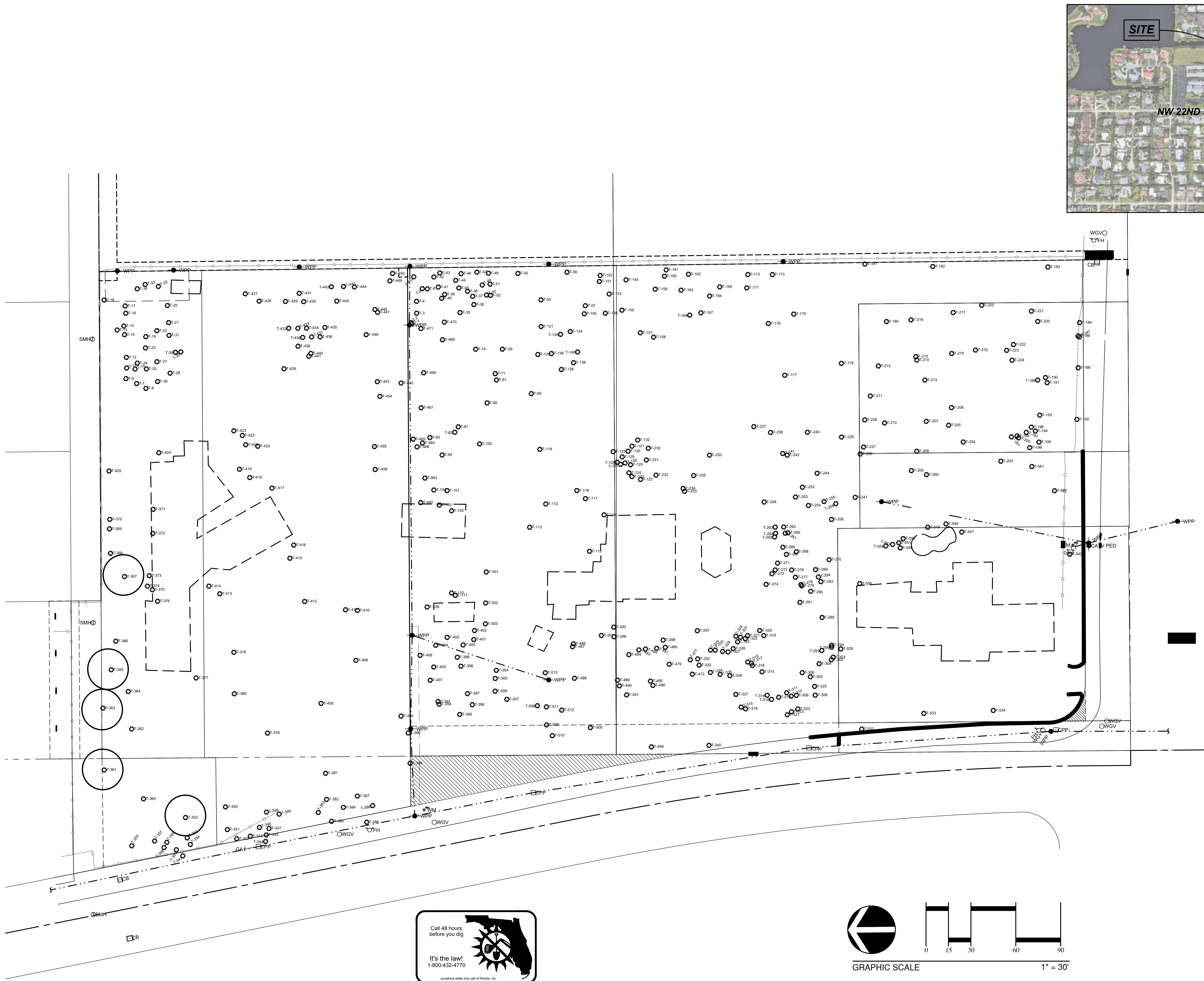




LOCATION MAP
N.T.S.



REVISIONS	DATE	BY
11/02/21	GAH	
REVISIONS PER R/W COMMENTS		

CAULFIELD & WHEELER, INC.
CIVIL ENGINEERING
LANDSCAPE ARCHITECTURE - SURVEYING
7900 GLADES ROAD - SUITE 100
BOCA RATON, FLORIDA 33434
PHONE (561) 392-1991 / FAX (561) 750-1452

TREE PRESERVATION SURVEY
DELRAY RIDGE
FLORIDA
DELRAY BEACH

DATE 03/16/21
DRAWN BY GAH
F.B./ PG. --
SCALE 1" = 30'

SUBMITTED BY-
G. ALLAN HENDRICKS
LANDSCAPE ARCHITECT
No. LA666974
STATE OF FLORIDA
FOR THE FIRM
DATE DEC 03, 2021

JOB # 8577
SHT. NO.
TP-1
OF 3 SHEETS

Tree Disposition and Mitigation

Parcel ID (12-43-46-04-00-000-7290 /7101/7090)

Parcel ID (12-43-46-04-00-000-7290 /7101/7090)

Preserve							
Tree #	Common Name	Scientific Name	Height	DBH	Condition Rating	Comments	Mitigation Provided
352	Eucalyptus	Eucalyptus deglupta		22	70	Vine	N/A
361	Live Oak	Quercus virginiana		23	40	Severe co-dom with inclusion	N/A
363	Live Oak	Quercus virginiana	16.5		70	Co-canopy	N/A
365	Live Oak	Quercus virginiana		23	70	Co-canopy	N/A
367	Live Oak	Quercus virginiana		15.25	60		N/A

Removal

Tree #	Common Name	Scientific Name	Height	DBH	Condition Rating < 50%	Comments	Mitigation Provided
6	Mango	Mangifera indica	10.75	7.5	20	Co-canopy	(1) 2.5' Cal Brazilian Beautyleaf
18	Gumbo Limbo	Bursera simaruba	10.75	13	20	Co-canopy, vine	(1) 2.5' Cal Brazilian Beautyleaf
38	Mango	Mangifera indica	7.75	10	10	Co-canopy	(1) 2.5' Cal Brazilian Beautyleaf
48	Mango	Mangifera indica	13.5	20	Co-canopy, power lines, trunk decay	(1) 2.5' Cal Brazilian Beautyleaf	
55	Mango	Mangifera indica	13	10	Major trunk decay	(1) 2.5' Cal Brazilian Beautyleaf	
56	Mango	Mangifera indica	35	19	Major trunk decay, major storm damage	(1) 2.5' Cal Brazilian Beautyleaf	
57	Mango	Mangifera indica	19	20	Major trunk decay, major storm damage	(1) 2.5' Cal Brazilian Beautyleaf	
59	Mango	Mangifera indica	17	10	Trunk decay, storm damage	(1) 2.5' Cal Bulnesia	
60	Mango	Mangifera indica	25	20	Major decay in scaffolds, major storm damage	(1) 2.5' Cal Bulnesia	
67	Mango	Mangifera indica	13	13	Full stump	(1) 2.5' Cal Bulnesia	
80	Surinam Cherry	Eugenia uniflora	6.5	10	Cat 1, FLEPPC 2019 Invasive Plant List	(1) 3' Cal Silver Buttonwood	
81	Mango	Mangifera indica	21	20	Major decay throughout	(1) 2.5' Cal Bulnesia	
82	Mango	Mangifera indica	7	20		(1) 2.5' Cal Bulnesia	
83	Mango	Mangifera indica	8	20		(1) 2.5' Cal Bulnesia	
85	Mango	Mangifera indica	6	20		(1) 2.5' Cal Bulnesia	
100	Liquat	Eriobotrya japonica	9	40	Sub-canopy	(1) 2.5' Cal Brazilian Beautyleaf	
104	Mango	Mangifera indica	6.5	20		(1) 2.5' Cal Brazilian Beautyleaf	
111	Avocado	Persia americana	13	20	Decay in scaffold, co-canopy, hollow trunk	(1) 2.5' Cal Brazilian Beautyleaf	
113	Golden Rain	Koeleria paniculata	30	10	Leaf canker, stump sprouts	(1) 2.5' Cal Brazilian Beautyleaf	
119	Black Sapote	Diospyros nigra	11	10	Tip dieback, sparse foliage, heaved	(1) 3' Cal Brazilian Beautyleaf	
120	Mango	Mangifera indica	24	20		(1) 3' Cal Brazilian Beautyleaf	
121	Mango	Mangifera indica	26	20	Multi trunk, 1 trunk split off, co-canopy	(1) 3' Cal Brazilian Beautyleaf	
122	Ficus	Ficus microcarpa	100	30	Cat 1, FLEPPC 2019 Invasive Plant List, dying	(1) 3' Cal Silver Buttonwood	
123	Ficus	Ficus microcarpa	100	30	Cat 1, FLEPPC 2019 Invasive Plant List, dying	(1) 3' Cal Silver Buttonwood	
124	Ficus	Ficus microcarpa	100	30	Cat 1, FLEPPC 2019 Invasive Plant List, dying	(1) 3' Cal Silver Buttonwood	
125	Ficus	Ficus microcarpa	100	30	Cat 1, FLEPPC 2019 Invasive Plant List, dying	(1) 3' Cal Silver Buttonwood	
126	Ficus	Ficus microcarpa	100	30	Cat 1, FLEPPC 2019 Invasive Plant List, dying	(1) 3' Cal Silver Buttonwood	
127	Ficus	Ficus microcarpa	100	30	Cat 1, FLEPPC 2019 Invasive Plant List, dying	(1) 3' Cal Silver Buttonwood	
128	Ficus	Ficus microcarpa	100	30	Cat 1, FLEPPC 2019 Invasive Plant List, dying	(1) 3' Cal Silver Buttonwood	
129	Ficus	Ficus microcarpa	100	30	Cat 1, FLEPPC 2019 Invasive Plant List, dying	(1) 3' Cal Silver Buttonwood	
130	Ficus	Ficus microcarpa	100	30	Cat 1, FLEPPC 2019 Invasive Plant List, dying	(1) 3' Cal Silver Buttonwood	
133	Ficus	Ficus microcarpa	100	30	Cat 1, FLEPPC 2019 Invasive Plant List, dying	(1) 2.5' Cal Brazilian Beautyleaf	
132	Ficus	Ficus microcarpa	100	30	Cat 1, FLEPPC 2019 Invasive Plant List, dying	(1) 2.5' Cal Brazilian Beautyleaf	
134	Mango	Mangifera indica	14	20	Major decay in scaffold, co-canopy, storm damage	(1) 3' Cal Brazilian Beautyleaf	
139	Mango	Mangifera indica	13.5	20	Decay in scaffold and trunk, co-canopy	(1) 3' Cal Brazilian Beautyleaf	
140	Mango	Mangifera indica	6	15	Sub-canopy	(1) 3' Cal Brazilian Beautyleaf	
152	Mango	Mangifera indica	20	20	Co-canopy, decay in scaffold, barbed wire	(1) 3' Cal Brazilian Beautyleaf	
153	Mango	Mangifera indica	11	5	Major storm damage, tall stump	(1) 3' Cal Brazilian Beautyleaf	
154	Sausage	Kigelia africana	18	30	Co-canopy, leans	(1) 3' Cal Brazilian Beautyleaf	
155	Mango	Mangifera indica	14	5	Tip is dead	(1) 3' Cal Brazilian Beautyleaf	
156	Mango	Mangifera indica	8	20		(1) 3' Cal Brazilian Beautyleaf	
158	Mango	Mangifera indica	48	20	Major storm damage, major decay throughout	(1) 3' Cal Brazilian Beautyleaf	
159	Gumbo Limbo	Bursera simaruba	10.75	13	20	Co-canopy	(1) 3' Cal Brazilian Beautyleaf
161	Mango	Mangifera indica	10.5	30	30		(1) 3' Cal Brazilian Beautyleaf
163	Mango	Mangifera indica	13.5	20	Sub-canopy	(1) 3' Cal Brazilian Beautyleaf	
164	Gumbo Limbo	Bursera simaruba	9	15	Sub-canopy	(1) 3' Cal Brazilian Beautyleaf	
167	Mango	Mangifera indica	24	40	Co-canopy, girdling root	(1) 3' Cal Brazilian Beautyleaf	
168	Strawberry Guava	Psidium cattleianum	9	10	Cat 1, FLEPPC 2019 Invasive Plant List, Sub canopy, dead wood, severe co-dom	(1) 2.5 Cal Brazilian Beautyleaf	
171	Mango	Mangifera indica	8	20		(1) 3' Cal Brazilian Beautyleaf	
172	Mango	Mangifera indica	15	20		(1) 3' Cal Brazilian Beautyleaf	
173	Mimosa	Albizia julibrissin	16.5	20	Cat 1, FLEPPC 2019 Invasive Plant List, Co-dom inclusion, co canopy, storm damage, major dead wood	(1) 3' Cal Brazilian Beautyleaf	
180	Royal Poinciana	Delonix regia	13	30	30		(1) 3' Cal Brazilian Beautyleaf
181	Pond Apple	Annona glabra	21	20	Decay in trunk, ganoderma, storm damage	(1) 3' Cal Green Buttonwood	
189	Mango	Mangifera indica	15	20	Severe decay in canopy	(1) 3' Cal Green Buttonwood	
191	Sea Grape	Coccoloba uvifera	15	20	DBI trunk, sub-canopy	(1) 3' Cal Green Buttonwood	
194	Mango	Mangifera indica	27	20	Dying	(1) 3' Cal Green Buttonwood	
196	Mango	Mangifera indica	6	20	Sub-canopy	(1) 3' Cal Green Buttonwood	
199	Sea Grape	Coccoloba uvifera	9	20	Multi trunk, part of # 201, tree is branches from tree that uprooted and kept growing	(1) 3' Cal Green Buttonwood	
200	Sea Grape	Coccoloba uvifera	12	20	Co-canopy	(1) 3' Cal Green Buttonwood	
201	Sea Grape	Coccoloba uvifera	26	20	Multi trunk, part of # 199, tree is branches from tree that uprooted and kept growing	(1) 3' Cal Green Buttonwood	
209	Hong Kong Orchid	Bauhinia variegata	N	N	Cat 1, FLEPPC 2019 Invasive Plant List	(1) 2.5' Cal Brazilian Beautyleaf	
210	Mango	Mangifera indica	11.5	11.5	Co-canopy	(1) 3' Cal Green Buttonwood	
211	Mango	Mangifera indica	26	40	Co-canopy, decay in trunk	(1) 3' Cal Green Buttonwood	
215	Mango	Mangifera indica	23	20	Major decay in trunk	(1) 3' Cal Green Buttonwood	
219	Mango	Mangifera indica	18	10	Major decay in trunk	(1) 3' Cal Green Buttonwood	
223	Mango	Mangifera indica	32	40	Major decay in trunk	(1) 3' Cal Green Buttonwood	
226	Mango	Mangifera indica	30.5	20	Co-canopy, major decay in trunk	(1) 3' Cal Green Buttonwood	
227	Mango	Mangifera indica	5.75	10	Sub-canopy	(1) 3' Cal Green Buttonwood	
228	Mango	Mangifera indica	11	10	Co-canopy, major decay in trunk	(1) 3' Cal Green Buttonwood	
230	Ficus	Ficus microcarpa	100	30	Cat 1, FLEPPC 2019 Invasive Plant List, dying	(1) 2.5' Cal Brazilian Beautyleaf	
231	Ficus	Ficus microcarpa	100	30	Cat 1, FLEPPC 2019 Invasive Plant List, dying	(1) 2.5' Cal Brazilian Beautyleaf	
232	Ficus	Ficus microcarpa	100	30	Cat 1, FLEPPC 2019 Invasive Plant List, dying	(1) 2.5' Cal Brazilian Beautyleaf	
233	Ficus	Ficus microcarpa	100	30	Cat 1, FLEPPC 2019 Invasive Plant List, dying	(1) 2.5' Cal Brazilian Beautyleaf	
234	Live Oak	Quercus virginiana	12	20	Sub-canopy	(1) 3' Cal Green Buttonwood	
238	Live Oak	Quercus virginiana	12	20	Sub-canopy	(1) 3' Cal Green Buttonwood	
240	Mango	Mangifera indica	12	20	Co-canopy, major storm damage	(1) 3' Cal Green Buttonwood	
250	Queen's Grape Myrtle	Lagerstroemia speciosa	12.5	12.5	Co-canopy, major storm damage	(1) 3' Cal Green Buttonwood	
256	Sea Grape	Coccoloba uvifera	18	20	Sub-canopy, multi trunk	(1) 3' Cal Green Buttonwood	
260	Elephant Apple	Dillenia indica	8	20	20	(1) 3' Cal Green Buttonwood	
270	Carambola	Averrhoa carambola	12	20	Major decay in trunk	(1) 3' Cal Green Buttonwood	
272	Black Sapote	Diospyros nigra	8	20	Co-canopy	(1) 3' Cal Green Buttonwood	
276	Jacaranda	Jacaranda mimosifolia	14	20	20	(1) 2.5' Cal Brazilian Beautyleaf	
280	Mango	Mangifera indica	13	20	Co-canopy	(1) 3' Cal Green Buttonwood	
283	Yellow Tabebuia	Tabebuia chrysotricha	9	10	10	(1) 3' Cal Green Buttonwood	
289	Black Sapote	Diospyros nigra	6.5	15	Co-canopy, storm damage	(1) 3' Cal Green Buttonwood	
293	Black Sapote	Diospyros nigra	20	20	Severe co-dom, storm damage, sub-canopy	(1) 3' Cal Green Buttonwood	
302	Mastic	Pistacia lentiscus	16	20	Co-canopy, major trunk damage, decay in trunk	(1) 3' Cal Green Buttonwood	
303	Salamander Tree	Antidesma bunius	6	20	Sub-canopy	(1) 3' Cal Green Buttonwood	
304	Salamander Tree	Antidesma bunius	20.5	10	Major storm damage, major decay in trunk scaffolds	(1) 3' Cal Green Buttonwood	
305	Avocado	Persia americana	19	20	Decay in scaffolds, decay in trunk	(1) 3' Cal Green Buttonwood	
306	Mango	Mangifera indica	9.75	20	Sub-canopy	(1) 3' Cal Green Buttonwood	
309	Salamander Tree	Antidesma bunius	7	10	Major storm damage	(1) 3' Cal Green Buttonwood	
309	Lychee Nut	Litsea chinensis	36	40	Decay in scaffold	(1) 3' Cal Green Buttonwood	
310	Mango	Mangifera indica	12	12	Severe co-dom with inclusion	(1) 2.5' Cal Brazilian Beautyleaf	
311	Ficus	Ficus microcarpa	8.5	5	Cat 1, FLEPPC 2019 Invasive Plant List	(1) 2.5' Cal Brazilian Beautyleaf	
314	Mango	Mangifera indica	6.5	15	15	(1) 3' Cal Silver Buttonwood	
315	Florida Apricot	Prunus armeniaca	20	20	DBH total all trunks, stump sprout	(1) 3' Cal Silver Buttonwood	
319	Salamander Tree	Antidesma bunius	12	10	Sub-canopy, severe co-dom	(1) 3' Cal Silver Buttonwood	
320	Salamander Tree	Antidesma bunius	13	30	Co-canopy	(1) 3' Cal Silver Buttonwood	
321	Jamaican Allspice	Pimenta dioica	6.5	10	Severe co-dom	(1) 3' Cal Silver Buttonwood	
322	Elephant Apple	Dillenia indica	6	20	20	(1) 3' Cal Silver Buttonwood	
324	Elephant Apple	Dillenia indica	6.5	10	10	(1) 3' Cal Silver Buttonwood	
325	Elephant Apple	Dillenia indica	29	36	Severe co-dom with inclusion	(1) 3' Cal Silver Buttonwood	
334	Liquat	Eriobotrya japonica	6.5	20	Co-canopy	(1) 2.5' Cal Brazilian Beautyleaf	
337	Hawaiian Mountain Apple	Syzygium malaccense	8	20	20	(1) 3' Cal Silver Buttonwood	
340	Broom Cluster Fig	Ficus sur	80	20	Major decay throughout, power lines	(1) 3' Cal Silver Buttonwood	
355	Sea Grape	Coccoloba uvifera	8	20	Multi leader, storm damage, power lines	(1) 3' Cal Silver Buttonwood	
360	Live Oak	Quercus virginiana	14	30	Co-dom, multi trunk	(1) 3' Cal Silver Buttonwood	
364	Live Oak	Quercus virginiana	17.5	30	30	(1) 3' Cal Silver Buttonwood	
369	Gumbo Limbo	Bursera simaruba	7.75	20	Co-canopy	(1) 3' Cal Silver Buttonwood	
370	Gumbo Limbo	Bursera simaruba	5.75	30	Co-canopy	(1) 3' Cal Silver Buttonwood	
378	Laural Oak	Quercus laurifolia	22.5	22.5	Co-dom with inclusion, Poor structure, girdling root	(1) 3' Cal Silver Buttonwood	
380	Tropic Almond	Terminalia catappa	18	5	Cat 2, FLEPPC 2019 Invasive Plant List, hat-racked, sprout decay, severe co-dom	(1) 3' Cal Japanese Blueberry Tree	
381	Sea Grape	Coccoloba uvifera	30	10	DBH total all trunks, multiple hat-racked events, major decay	(1) 3' Cal Silver Buttonwood	
384	Sea Grape	Coccoloba uvifera	60	20	DBH total all trunks, tall stump sprouted, major decay	(1) 2.5' Cal Brazilian Beautyleaf	
388	Sea Grape	Coccoloba uvifera	20	20	DBH total all trunks, tall stump sprouted, major decay	(1) 2.5' Cal Brazilian Beautyleaf	
389	Royal Poinciana	Delonix regia	14.5	30	Co-canopy, vine	(1) 2.5' Cal Brazilian Beautyleaf	
393	Royal Poinciana	Delonix regia	14	20	20	(1) 2.5' Cal Brazilian Beautyleaf	
394	Mango	Mangifera indica	16	20	Major decay in trunk	(1) 2.5' Cal Brazilian Beautyleaf	
395	Mango	Mangifera indica	12.5	20	Sub-canopy, major storm damage, uprooted	(1) 2.5' Cal Brazilian Beautyleaf	
396	Mango	Mangifera indica	16.5	16.5	Sub-canopy, major storm damage, uprooted	(1) 2.5' Cal Brazilian Beautyleaf	
397	Governor's Plum	Flacouria indica	10.5	40	Cat 2, FLEPPC 2019 Invasive Plan List	(1) 2.5' Cal Brazilian Beautyleaf	
398	Hawaiian Mountain Apple	Syzygium malaccense	6	20	DBH total both trunks	(1) 2.5' Cal Brazilian Beautyleaf	
399	Mango	Mangifera indica	14.5	30	30	(1) 2.5' Cal Brazilian Beautyleaf	
400	Avocado	Persia americana	7.5	20	20	(1) 2.5' Cal Brazilian Beautyleaf	
401	Mango	Mangifera indica	11.5	30	30	(1) 2.5' Cal Brazilian Beautyleaf	
403	Avocado	Persia americana	9	20	20	(1) 3' Cal Japanese Blueberry Tree	
404	Strangler Fig	Ficus aurea	14	30	30	(1) 3' Cal Japanese Blueberry Tree	
405	Sausage	Kigelia africana	17.5	20	Sub-canopy	(1) 3' Cal Japanese Blueberry Tree	
406	Mango	Mangifera indica	20	20	DBH total both trunks, Severe co-dom	(1) 3' Cal Japanese Blueberry Tree	
407	Sausage	Kigelia africana	17	20	Sub-canopy, severe co-dom	(1) 3' Cal Japanese Blueberry Tree	
412	Tropic Almond	Terminalia catappa	44	30	Cat 2, FLEPPC 2019 Invasive Plant List, Hollow, ganoderma in trunk	(1) 3' Cal Brazilian Beautyleaf	
425	Gumbo Limbo	Bursera simaruba	17	30	Co-canopy, severe co-dom	(1) 3' Cal Japanese Blueberry Tree	
426	Gumbo Limbo	Bursera simaruba	8	20	Severe co-dom, storm damage	(1) 3' Cal Japanese Blueberry Tree	
440	Alamo Tulip	Spathodea campanulata	8.75	20	20	(1) 3' Cal Japanese Blueberry Tree	

The number of trees removed above 50% is 21.

TREE #	COMMON NAME	SCIENTIFIC NAME	HEIGHT	DBH	Condition Rating	Comments	MITIGATION PROVIDED
443	African Tulip	<i>Spathodea campanulata</i>		24	20	DBH total all trunks, multi leader	(1) 3" Cal Japanese Blueberry Tree
450	Ficus	<i>Ficus microcarpa</i>		11.5	20	Gat 1, FLEPPC 2019 Invasive Plant list, powerlines, co-canopy	(1) 2.5" Cal Brazilian Beautyleaf
451	Mango	<i>Mangifera indica</i>		11	20	Co-canopy, severe decay in trunk	(1) 3" Cal Japanese Blueberry Tree
455	Gumbo Limbo	<i>Bursera simaruba</i>		5	15		(1) 3" Cal Japanese Blueberry Tree
463	Mango	<i>Mangifera indica</i>		8.5	30	Co-canopy	(1) 3" Cal Japanese Blueberry Tree
464	Mango	<i>Mangifera indica</i>		15	30	Co-canopy, storm damage	(1) 3" Cal Japanese Blueberry Tree
465	Loquat	<i>Eriobotrya japonica</i>		7.5	20	Co-canopy	(1) 3" Cal Japanese Blueberry Tree
466	Ficus	<i>Ficus microcarpa</i>		18	30	Gat 1, FLEPPC 2019 Invasive Plant list, sub canopy	(1) 3" Cal Japanese Blueberry Tree
467	Mango	<i>Mangifera indica</i>		17	20	Co-canopy, major storm damage, decay in scaffold	(1) 3" Cal Japanese Blueberry Tree
468	Mango	<i>Mangifera indica</i>		17	30	Co-canopy, decay in scaffold	(1) 3" Cal Japanese Blueberry Tree
470	Mango	<i>Mangifera indica</i>		10	30	Major storm damage	(1) 3" Cal Japanese Blueberry Tree
479	Queen's Crape Myrtle	<i>Lagerstroemia speciosa</i>		5	20	Sub-canopy	(1) 3" Cal Japanese Blueberry Tree
486	Mimosa	<i>Albizia julibrissin</i>		12	30	Gat 1, FLEPPC 2019 Invasive Plant list	(1) 3" Cal Japanese Blueberry Tree
499	Broom Cluster Fig	<i>Ficus sur</i>		100	20	Co-canopy, storm damage	(1) 2.5" Cal Brazilian Beautyleaf
502	Pond Apple	<i>Annona glabra</i>		8	10	Major deadwood, dying	(1) 3" Cal Japanese Blueberry Tree
503	Mango	<i>Mangifera indica</i>		10	20	Co-canopy	(1) 3" Cal Japanese Blueberry Tree
505	Mango	<i>Mangifera indica</i>		9	20	Sub-canopy	(1) 3" Cal Japanese Blueberry Tree
507	Avocado	<i>Persia americana</i>		5	20	Sub-canopy	(1) 3" Cal Japanese Blueberry Tree

509	Broom Cluster Fig	<i>Ficus sur</i>	100	20	Major decay throughout,	(1) 3" Cal Japanese Blueberry Tree
518	Mango	<i>Mangifera indica</i>	6	10	Co-canopy	(1) 2.5" Cal East Palatka Holly
529	Hawaiian Mountain Apple	<i>Syzygium malaccense</i>	5.5	30	Sub-canopy	(1) 2.5" Cal East Palatka Holly
533	Autograph	<i>Cissia rosea</i>	15	40	Major decay in scaffolds, severe co-dom, powerlines	(1) 2.5" Cal East Palatka Holly
534	Autograph	<i>Cissia rosea</i>	23	20	Major decay throughout, power lines, very poor structure	(1) 2.5" Cal East Palatka Holly
561	Sea Grape	<i>Coccoloba uvifera</i>	60	30	DBH total all trunks, co-canopy, multi trunk, very poor structure	(1) 2.5" Cal East Palatka Holly
562	Sausage	<i>igelia africana</i>	26	30	Co-canopy, severe co-dom	(1) 2.5" Cal Brazilian Beautyleaf
Condition Rating ≥ 50%						
32	Gumbo Limbo	<i>Bursera simaruba</i>	11	60		(2) 3" Cal Brazilian Beautyleafs & (1) 4" Cal Gumbo Limbo
103	Mango	<i>Mangifera indica</i>	23	60		(5) 4" Cal Gumbo Limbos & (1) 3" Cal Japanese Blueberry
118	Rosewood	<i>Dalbergia nigra</i>	30	60	Cat 2, FLEPPC 2019 Invasive Plant list, storm damage, girdling root	(4) 3" Silver Buttonwoods & (2) 3" Cal Brazilian Beautyleafs & (2) 4" Cal Live Oak
169	Mango	<i>Mangifera indica</i>	20	50		(5) 4" Cal Gumbo Limbos
177	Lychee Nut	<i>Uzchi chinensis</i>	14	70		(2) 4" Cal Gumbo Limbos & (2) 3" Cal Brazilian Beautyleaf
179	Mango	<i>Mangifera indica</i>	31	20	Severe co-dom with inclusion	(1) 4" Cal Gumbo Limbo & (9) 3" Cal Brazilian Beautyleaf
204	Elephant Apple	<i>Dillenia indica</i>	50			(1) 4" Cal Live Oak & (3) 3" Cal Green Buttonwoods
212	Mango	<i>Mangifera indica</i>	10.5	50		(2) 4" Cal Live Oak & (1) 3" Cal Green Buttonwood
217	Sourpaw	<i>Amorpha muricata</i>	17	50		(2) 4" Cal Bald Cypress & (3) 3" Cal Green Buttonwood
267	Jacaranda	<i>Jacaranda minosifolia</i>	17	50		(4) Cal Bald Cypress & (3) 3" Cal Green Buttonwoods
362	Gumbo Limbo	<i>Bursera simaruba</i>	15	50		(5) 3" Cal Silver Buttonwood
362	Live Oak	<i>Quercus virginiana</i>	16	70	Co-canopy	(1) 4" Cal Live Oak & (4) 3" Cal Silver Buttonwoods
368	Slash Pine	<i>Pinus elliotii</i>	8	50	Co-canopy	(2) 4" Cal Bald Cypress
379	Live Oak	<i>Quercus virginiana</i>	21	80		(1) 4" Cal Live Oak & (2) 2.5" Cal Brazilian Beautyleaf
408	Royal Poinciana	<i>Delonix regia</i>	26	70	Honey bee hive	(1) 16" Cal Live Oak & (5) 2.5" Cal Brazilian Beautyleaf
446	Live Oak	<i>Quercus virginiana</i>	18.5	50	Sparse foliage	(5) 3" Cal Japanese Blueberry Trees & (2) 2.5" Cal Brazilian Beautyleaf
456	Gumbo Limbo	<i>Bursera simaruba</i>	6.25	60		(1) 4" Cal Live Oak & (1) 2.5" Cal Brazilian Beautyleaf
500	Mango	<i>Mangifera indica</i>	12	50	Co-canopy	(5) 2.5" Cal Brazilian Beautyleafs
501	Allspice	<i>Pimenta dioica</i>	7.5	70		(3) 2.5" Cal Brazilian Beautyleafs
604	Strangler Fig	<i>Ficus aurea</i>	21	50	Storm damage	(2) 2.5" Cal East Palatka Holly & (3) 16" Cal Live Oak
522	Sapodilla	<i>Manilkara zapota</i>	4	30	Cat 1, FLEPPC 2019 Invasive Plant list, co canopy	(1) 2.5" Cal Brazilian Beautyleaf

[illegible]

<u>Trees with Condition Rating < 50% to be Removed:</u>	<u>158 Trees</u>
<u>Total DBHs of Trees with Condition Rating ≥ 50% to be Removed:</u>	<u>316.8" DBH inches"</u>

Palin #	Common Name	Scientific Name	Height	Clear Trunk	Condition Rating < 50%	Comments	Mitigation Provided
133	Royal Palm	Roystonea regia	21	9	40		(1) 16" ht Montgomery Palm
252	Adonidia Palm	Adonidia merrilli	18	12	20	Decay in trunk	(1) 16" ht Montgomery Palm
258	Footall Palm	Wodyetia bifurcata	16	8	30		(1) 16" ht Montgomery Palm
261	Adonidia Palm	Adonidia merrilli	23	17	40		(1) 16" ht Montgomery Palm
262	Adonidia Palm	Adonidia merrilli	23	17	40		(1) 16" ht Montgomery Palm
279	Adonidia Palm	Adonidia merrilli	25	19	30		(1) 16" ht Montgomery Palm
372	Footall Palm	Wodyetia bifurcata	16	8			(1) 20" ht Wild Date Palm
402	Adonidia Palm	Adonidia merrilli	20	14	40	5 trunks	(1) 20" ht Wild Date Palm
513	Royal Palm	Roystonea regia	30	28	30	Nutritional deficiency	(1) 20" ht Bismarck Palm
					Condition Rating > 50%		
10	Coconut Palm	Cocos nucifera	20	10	70	Cat 2, FLEPPC 2019 Invasive Plant List	(1) 20" ht Wild Date Palm
12	Coconut Palm	Cocos nucifera	22	12	70	Cat 2, FLEPPC 2019 Invasive Plant List	(1) 22" ht Wild Date Palm
13	Coconut Palm	Cocos nucifera	23	13	70	Cat 2, FLEPPC 2019 Invasive Plant List	(1) 26" ht Cabbage Palm
14	Coconut Palm	Cocos nucifera	25	15	70	Cat 2, FLEPPC 2019 Invasive Plant List	(1) 28" ht Cabbage Palm
15	Coconut Palm	Cocos nucifera	25	15	70	Cat 2, FLEPPC 2019 Invasive Plant List, 45 degree lean	(1) 28" ht Cabbage Palm
16	Coconut Palm	Cocos nucifera	20	10	70	Cat 2, FLEPPC 2019 Invasive Plant List	(1) 20" ht Wild Date Palm
17	Coconut Palm	Cocos nucifera	25	15	70	Cat 2, FLEPPC 2019 Invasive Plant List	(1) 28" ht Cabbage Palm
24	Coconut Palm	Cocos nucifera	26	16	80	Cat 2, FLEPPC 2019 Invasive Plant List	(1) 28" ht Cabbage Palm
33	Coconut Palm	Cocos nucifera	25	15	70	Cat 2, FLEPPC 2019 Invasive Plant List	(1) 28" ht Cabbage Palm
74	Sabal Palm	Sabal palmetto	20	14	70	Cactus, 45 degree lean, no tag	(1) 26" ht Cabbage Palm
102	Royal Palm	Roystonea regia	20	8	70		(1) 26" ht Cabbage Palm
110	Royal Palm	Roystonea regia	27	15	80		(1) 28" ht Cabbage Palm
115	Adonidia Palm	Adonidia merrilli	14	8	60	Curved trunk	(1) 16" ht Bismarck Palm
116	Adonidia Palm	Adonidia merrilli	20	14	50		(1) 24" ht Cabbage Palm
117	Adonidia Palm	Adonidia merrilli	22	16	60		(1) 26" ht Cabbage Palm
183	Lantana Palm	Lantana lantardes	14	8	70		(1) 16" ht Bismarck Palm
190	Sabal Palm	Sabal palmetto	14	8	70	No tag	(1) 16" ht Bismarck Palm
193	Sabal Palm	Sabal palmetto	16	10	70		(1) 26" ht Cabbage Palm
205	Sabal Palm	Sabal palmetto	18	12	70		(1) 24" ht Cabbage Palm
206	Sabal Palm	Sabal palmetto	18	12	70		(1) 24" ht Cabbage Palm
207	Dypsis leptochelios	Teddy Bear Palm	18	10	70		(1) 24" ht Cabbage Palm
208	Sabal Palm	Sabal palmetto	22	16	70		(1) 26" ht Cabbage Palm
213	Sabal Palm	Sabal palmetto	14	8	70		(1) 16" ht Bismarck Palm
214	Sabal Palm	Sabal palmetto	16	10	70		(1) 16" ht Bismarck Palm
216	Sabal Palm	Sabal palmetto	15	9	70		(1) 16" ht Bismarck Palm
218	Sabal Palm	Sabal palmetto	14	8	70		(1) 16" ht Bismarck Palm
220	Sabal Palm	Sabal palmetto	14	8	70		(1) 16" ht Bismarck Palm

CAULFIELD & WHEELER, INC.
 CIVIL ENGINEERING
 LANDSCAPE ARCHITECTURE SURVEYING
 7800 GLADES ROAD, SUITE 100
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 PHONE (561) 392-1991 / FAX (561) 750-1452

DEL RAY BEACH

DEL RAY RIDGE

TREE PRESERVATION SURVEY

DATE	03/16/21
DRAWN BY	GAH
F.B./ PG.	--
SCALE	1"=30'

SUBMITTED BY—	
G. ALLAN HENDRICKS LANDSCAPE ARCHITECT No. LA6666974 STATE OF FLORIDA —FOR THE FIRM—	
DATE	Dec 03, 202

JOB # 8577
SHT.NO.
TP-2
OF 3 SHEETS

447	Queen Palm	<i>Syagrus romanzoffiana</i>	28	18	80	Cat 2, FLEPPC 2019 Invasive Plant List	(1) 28' ht Cabbage Palm
448	Washingtonia Palm	<i>Washingtonia robusta</i>	40	33	70	Cat 2, FLEPPC 2019 Invasive Plant List	Deposit into tree fund
452	Sabal Palm	<i>Sabal palmetto</i>	22	16	70		(1) 26' ht Cabbage Palm
472	Foxtail Palm	<i>Wodyetia bifurcata</i>	20	12	60		(1) 26' ht Cabbage Palm
480	Royal Palm	<i>Roystonea regia</i>	40	28	70		Deposit into tree fund
481	Sabal Palm	<i>Sabal palmetto</i>	15	9	70		(1) 20' ht Bismarck Palm
483	Sabal Palm	<i>Sabal palmetto</i>	14	8	70		(1) 20' ht Bismarck Palm
484	Sabal Palm	<i>Sabal palmetto</i>	21	15	80		(1) 26' ht Cabbage Palm
487	Queen Palm	<i>Syagrus romanzoffiana</i>	23	13	70	Cat 2, FLEPPC 2019 Invasive Plant List	(1) 28' ht Cabbage Palm
490	Sabal Palm	<i>Sabal palmetto</i>	16	10	70		(1) 20' ht Bismarck Palm
491	Sabal Palm	<i>Sabal palmetto</i>	22	16	70		(1) 26' ht Cabbage Palm
495	Adonidia Palm	<i>Adonidia merrilli</i>	16	10	70		(1) 20' ht Bismarck Palm
496	Adonidia Palm	<i>Adonidia merrilli</i>	16	10	70		(1) 20' ht Bismarck Palm
508	Adonidia Palm	<i>Adonidia merrilli</i>	16	10	70		(1) 20' ht Bismarck Palm
510	Sabal Palm	<i>Sabal palmetto</i>	25	19	70		(1) 26' ht Cabbage Palm
511	Adonidia Palm	<i>Adonidia merrilli</i>	25	19	70		(1) 26' ht Cabbage Palm
512	Adonidia Palm	<i>Adonidia merrilli</i>	25	19	70		(1) 26' ht Cabbage Palm
525	Adonidia Palm	<i>Adonidia merrilli</i>	25	19	60		(1) 26' ht Cabbage Palm

Mitigation			
Tree Replacement Calculations*			
New Trees	Total Proposed	Caliper (CAL)	Calipers Provided (inch)
Verawood	7		2.5 17.5
Gumbo Limbo	14		4 56
Brazilian Beautyleaf (12' HT)	84		2.5 210
Brazilian Beautyleaf (16' HT)	36		3 108
Green Buttonwood	44		3 132
Silver Buttonwood	42		3 126
Japanese Blueberry Tree	34		3 102
East Palatka Holly	14		2.5 35
Southern Live Oak (25' HT)	5		16 80
Southern Live Oak (20' HT)	14		4 56
Bald Cypress	6		4 24

New Palms	Total Proposed	Overall Height	Clear Trunk Provided (ft)
# of Silver Bismarck Palm (12' CT)	1	20	20
# of Silver Bismarck Palm (8' CT)	17	16	272
# of Wild Date Palm (10' CT)	30	20	600
# of Wild Date Palm (12' CT)	18	22	396
# of Alexander Palm	21	16	336
# of Cabbage Palm (14' CT)	14	20	280
# of Cabbage Palm (18' CT)	22	24	528
# of Cabbage Palm (20' CT)	23	26	598
# of Cabbage Palm (22' CT)	19	28	532
# of Montgomery Palm	8	16	128
# of Foxtail Palm	28	16	448

Tree #	Botanical Name	Common Name	CT (feet)
T-7	<i>Wodyetia bifurcata</i>	Foxtail Palm	5
T-8	<i>Wodyetia bifurcata</i>	Foxtail Palm	5
T-9	<i>Cocos nucifera</i>	Coconut Palm	4
T-11	<i>Cocos nucifera</i>	Coconut Palm	7
T-19	<i>Cocos nucifera</i>	Coconut Palm	5
T-20	<i>Roystonea regia</i>	Royal Palm	6
T-21	<i>Cocos nucifera</i>	Coconut Palm	6
T-22	<i>Roystonea regia</i>	Royal Palm	5
T-23	<i>Cocos nucifera</i>	Coconut Palm	5
T-25	<i>Cocos nucifera</i>	Coconut Palm	4
T-26	<i>Cocos nucifera</i>	Coconut Palm	5
T-27	<i>Cocos nucifera</i>	Coconut Palm	5
T-28	<i>Cocos nucifera</i>	Coconut Palm	4
T-29	<i>Roystonea regia</i>	Royal Palm	7
T-30	<i>Cocos nucifera</i>	Coconut Palm	7
T-31	<i>Cocos nucifera</i>	Coconut Palm	7
T-34	<i>Cocos nucifera</i>	Coconut Palm	3
T-112	<i>Hyophorbe verschaffeltii</i>	Spindle palm	4
T-157	<i>Syagrus romanzoffiana</i>	Queen Palm	5
T-175	<i>Sabal palmetto</i>	Sabal Palm	5
T-195	<i>Sabal palmetto</i>	Sabal Palm	3
T-197	<i>Sabal palmetto</i>	Sabal Palm	3
T-198	<i>Sabal palmetto</i>	Sabal Palm	3
T-221	<i>Sabal palmetto</i>	Sabal Palm	6
T-222	<i>Sabal palmetto</i>	Sabal Palm	6
T-225	<i>Sabal palmetto</i>	Sabal Palm	5
T-237	<i>Syagrus romanzoffiana</i>	Queen Palm	7
T-248	<i>Dypsis decaryi</i>	Triangle Palm	7
T-253	<i>Roystonea regia</i>	Royal Palm	5
T-298	<i>Roystonea regia</i>	Royal Palm	7
T-318	<i>Wodyetia bifurcata</i>	Foxtail palm	7
T-344	<i>Adonidia merrilli</i>	Adonidia Palm	5
T-345	<i>Adonidia merrilli</i>	Adonidia Palm	6
T-358	<i>Latania lontareides</i>	Latania palm	5
T-366	<i>Roystonea regia</i>	Royal Palm	7
T-371	<i>Wodyetia bifurcata</i>	Foxtail Palm	7
T-375	<i>Adonidia merrilli</i>	Adonidia Palm	7
T-376	<i>Adonidia merrilli</i>	Adonidia Palm	7
T-409	<i>Phoenix canariensis</i>	Canary Date Palm	6
T-410	<i>Livistona chinensis</i>	Chinese Fan Palm	5
T-411	<i>Livistona chinensis</i>	Chinese Fan Palm	4
T-413	<i>Wodyetia bifurcata</i>	Foxtail Palm	5
T-414	<i>Wodyetia bifurcata</i>	Foxtail Palm	6
T-415	<i>Cocos nucifera</i>	Coconut Palm	5
T-416	<i>Cocos nucifera</i>	Coconut Palm	5
T-420	<i>Cocos nucifera</i>	Coconut Palm	7

[illegible]

DELAY BEACH

DELRAY RIDGE

FLORIDA

SUBMITTED BY—	
G. ALLAN HENDRICKS LANDSCAPE ARCHITECT No. LA6666974 STATE OF FLORIDA —FOR THE FIRM—	
DATE	Dec 03, 2021

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