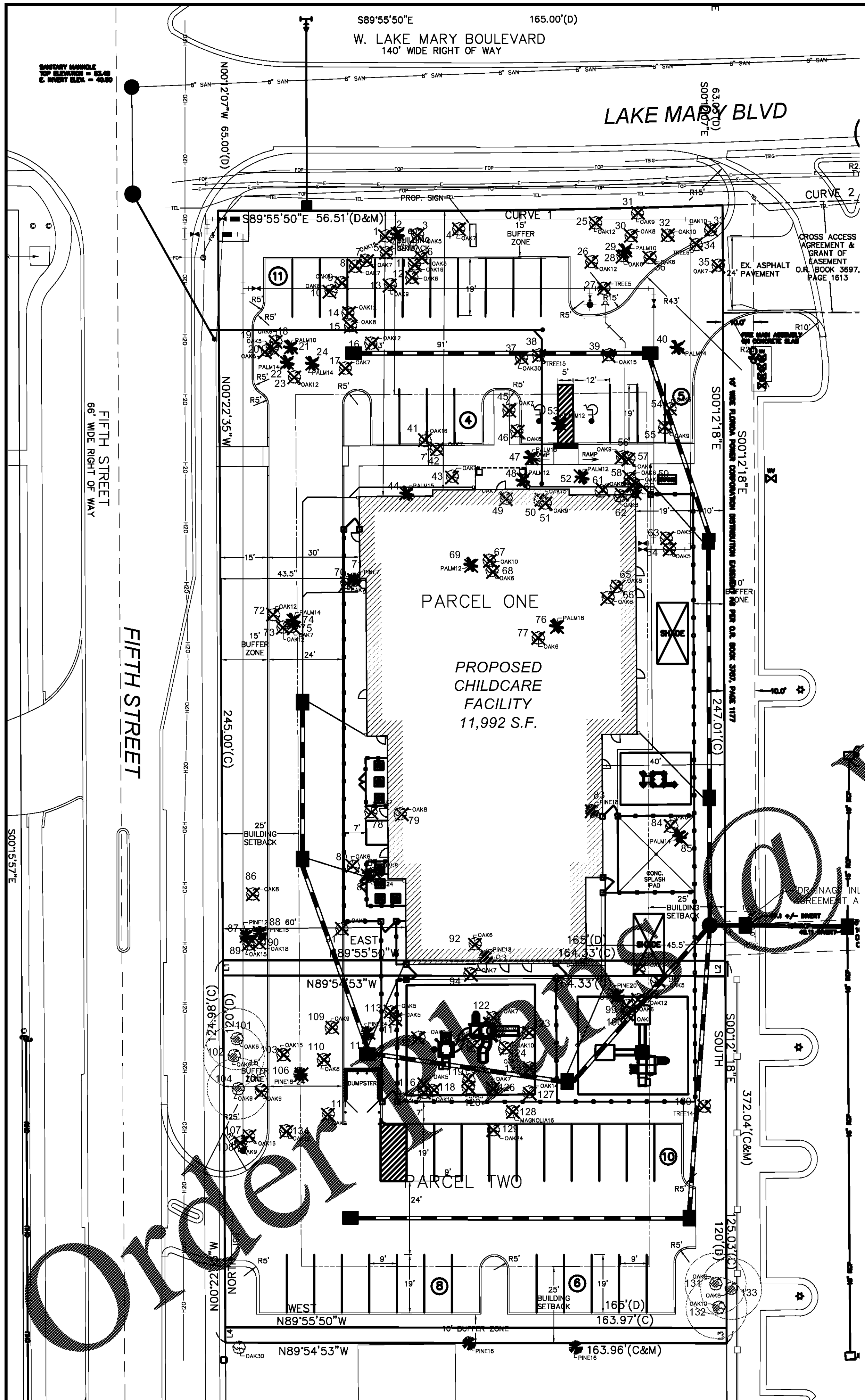


TREE MITIGATION CHART

#	TREE TYPE	SIZE	REMOVED INCHES	SAVED INCHES
1	OAK	15"	15"	
2	PALM	12"	12"	
3	OAK	5"	5"	
4	OAK	7"	7"	
5	OAK	15"	15"	
6	OAK	5"	5"	
7	OAK	7"	7"	
8	OAK	7"	7"	
9	OAK	8"	8"	
10	OAK	8"	8"	
11	OAK	16"	16"	
12	OAK	6"	6"	
13	OAK	9"	9"	
14	OAK	12"	12"	
15	OAK	8"	8"	
16	OAK	12"	12"	
17	OAK	7"	7"	
18	OAK	8"	8"	
19	OAK	5"	5"	
20	OAK	6"	6"	
21	PALM	10"	10"	
22	PALM	14"	14"	
23	OAK	12"	12"	
24	PALM	14"	14"	
25	OAK	12"	12"	
26	OAK	12"	12"	
27	TREE	5"	5"	
28	OAK	6"	6"	
29	PALM	10"	10"	
30	OAK	8"	8"	
31	OAK	9"	9"	
32	OAK	10"	10"	
33	OAK	10"	10"	
34	TREE	6"	6"	
35	OAK	7"	[illegible]	
36	OAK	[illegible]	6"	
37	LIVE OAK	30"	30"	
38	TREE	15"	15"	
39	OAK	15"	[illegible]	
[illegible]	PALM	14"	14"	
41	[illegible]	16"	16"	
42	OAK	7"	7"	
43	OAK	10"	10"	
[illegible]	PALM	15"	15"	
45	[illegible]	7"	7"	
46	OAK	6"	6"	
47	PALM	15"	15"	
48	PALM	12"	12"	
49	OAK	7"	7"	
50	OAK	15"	15"	

#	TREE TYPE	SIZE	REMOVED INCHES	SAVED INCHES
51	OAK	9"	9"	
52	PALM	12"	12"	
53	PALM	12"	12"	
54	OAK	9"	9"	
55	OAK	9"	9"	
56	OAK	9"	9"	
57	OAK	6"	6"	
58	OAK	6"	6"	
59	OAK	8"	8"	
60	OAK	6"	6"	
61	OAK	6"	6"	
62	OAK	8"	8"	
63	OAK	5"	5"	
64	OAK	5"	5"	
65	OAK	8"	8"	
66	OAK	8"	8"	
67	OAK	10"	10"	
68	OAK	6"	6"	
69	PALM	12"	12"	
70	OAK	7"	7"	
71	PINE	7"	* 7"	
72	OAK	12"	12"	
73	OAK	12"	12"	
74	PALM	14"	14"	
75	OAK	[illegible]	[illegible]	
76	PALM	14"	14"	
77	PALM	[illegible]	18"	
78	OAK	[illegible]	7"	
[illegible]	OAK	8"	8"	
[illegible]	OAK	6"	6"	
[illegible]	OAK	8"	8"	
82	L.L. PINE	[illegible]	24"	
83	[illegible]	[illegible]	* 18"	
84	OAK	6"	6"	
85	PALM	14"	14"	
[illegible]	OAK	8"	8"	
87	PINE	12"	12"	
88	PINE	15"	15"	
89	OAK	15"	15"	
90	OAK	18"	18"	
91	OAK	5"	5"	
92	OAK	6"	6"	
93	PINE	18"	* 18"	
94	OAK	7"	7"	
95	OAK	7"	7"	
96	OAK	5"	5"	
97	PINE	10"	* 10"	
98	OAK	12"	12"	
99	OAK	6"	6"	
100	OAK	9"	9"	

* PINES UNDER 24" NOT APPLIED TOWARDS REMOVAL CALCULATIONS

#	TREE TYPE	SIZE	REMOVED INCHES	SAVED INCHES
101	OAK	6"		6"
102	OAK	6"		6"
103	OAK	15"	15"	
104	OAK	9"		9"
105	OAK	9"	9"	
106	PINE	18"	* 18"	
107	OAK	16"	16"	
108	OAK	9"	9"	
109	OAK	9"	9"	
110	OAK	8"	8"	
111	OAK	9"	9"	
112	L.L. PINE	24"	24"	
113	OAK	5"	5"	
114	OAK	5"	5"	
115	OAK	9"	[illegible]	
116	OAK	5"	5"	
117	OAK	4"	4"	
118	OAK	[illegible]	[illegible]	
119	OAK	[illegible]	[illegible]	
120	OAK	5"	5"	
121	OAK	12"	12"	
122	OAK	7"	7"	
123	OAK	10"	10"	
124	OAK	10"	10"	
[illegible]	OAK	8"	8"	
126	OAK	7"	7"	
127	OAK	14"	14"	
128	MAGNOLIA	16"	16"	
129	LIVE OAK	24"	24"	
130	TREE	14"	14"	
131	OAK	8"		8"
132	OAK	10"		10"
133	OAK	8"		8"
134	OAK	18"	18"	
		TOTAL ON SITE 1,358"	TOTAL REMOVED 1,311"	TOTAL SAVED 47"

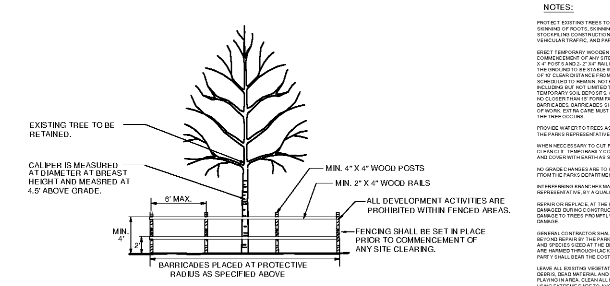
2.

REASON FOR REMOVAL

#	TYPE	SIZE	REASON FOR REMOVAL
37	LIVE OAK	30"	LOCATED IN PROPOSED PARKING LOT
82	L.L. PINE	24"	LOCATED WITHIN BLDG FOOTPRINT
112	L.L. PINE	24"	GRADING / INFILL
129	LIVE OAK	24"	LEANING HEAVILY AND IS DANGEROUS

NOTE:

EXISTING TREES ON SITE ARE IN IN DECLINING CONDITION. THERE ARE MANY THAT HAVE DEAD LIMBS, AND MOST ARE LEANING HEAVILY MAKING THEM DANGEROUS TO TRY TO MAINTAIN. BEYOND THE QUALITY OF THE EXISTING TREES; THE SITE IS DEPRESSED AND WILL NEED TO BE FILLED FOR NEW CONSTRUCTION. THIS FILL WILL ALSO HINDER THE ABILITY TO SAVE EXISITNG TREES.



NOTES: FENCING SHALL BE AT LEAST 3' ABOVE GROUND AND MIN. OF 3' BELOW GRADE.
THE MAXIMUM REQUIRED UNDISTURBED AREA SHALL NOT EXCEED 24' FROM CENTER OF TREE.

TREE PROTECTION DETAIL

NOTES:

PROTECT EXISTING TREES TO REMAIN AGAINST: UNNECESSARY CUTTING, BREAKING, OR SKINNING OF ROOTS, SKINNING OR BRUISING OF BARK, SMOTHERING OF TREES BY STOCKPILING CONSTRUCTION OR EXCAVATION MATERIALS WITHIN DRIP LINE, EXESS FOOT OR VEHICULAR TRAFFIC, AND PARKING OF VEHICLES WITHIN DRIPLINE.

ERECT TEMPORARY WOODEN BARRICADES AS SHOWN ON DETAIL ON THIS SHEET BEFORE COMMENCEMENT OF ANY SITE CLEARING OR GRADING. FENCE TO BE A MIN. OF 4' HIGH WITH 4" X 4" POSTS AND 2- 2" X4" RAILS AT 2' AND 4' ABOVE GRADEAND SHALL BE SET DEEP ENOUGH IN THE GROUND TO BE STABLE WITHOUT ADDITIONAL SUPPORT. ALL FENCING SHALL BE A MINIMUM OF 10' CLEAR DISTANCE FROM THE FACE OF TREES AND SHALL FULLY ENCLOSE ALL TREES SCHEDULED TO REMAIN. NOTHING SHALL BE PLACED INSIDE PROTECTIVE BARRICADES, INCLUDING BUT NOT LIMITED TO CONSTRUCTION MATERIALS, MACHINERY, CHEMICALS, OR TEMPORARY SOIL DEPOSITS. ON TREES LARGER THAN 20" IN DIAMETER, BARRICADES SHALL BE NO CLOSER THAN 15' FORM FACE OF TREE. WHEN CONSTRUCTION MUST BE DONE WITHIN THE BARRICADES, BARRICADES SHALL BE MOVED BACK TO A SECONDARY LOCATION AT THE EDGE OF WORK. EXTRA CARE MUST BE TAKEN BY THE CONTRACTOR TO INSURE THAT NO DAMAGE TO THE TREE OCCURS.

PROVIDE WATER TO TREES AS REQUIRED TO MAINTAIN THEIR HEALTH TO THE SATISFACTION OF THE PARKS REPRESENTATIVE DURING CONSTRUCTION WORK.

WHEN NECCESSARY TO CUT ROOTS OVER 1-1/2" DIA. OF TREES TO REMAIN, CUT MUST BE A CLEAN CUT. TEMPORARILY COVER EXPOSED ROOTS WITH WET BURLAP TO PREVENT DRYING AND COVER WITH EARTH AS SOON AS POSSIBLE.

NO GRADE CHANGES ARE TO BE MADE WITHIN THE BARRICADES WITHOUT PRIOR APPROVAL FROM THE PARKS DEPARTMENT.

INTERFERRING BRANCHES MAY BE REMOVED AT THE DIRECTION OF THE PARKS DIVISION REPRESENTATIVE, BY A QUALIFIED TREE SURGEON.

REPAIR OR REPLACE, AT THE PARK'S DIVISION REQUEST, TREES TO REMAIN WHICH ARE DAMAGED DURING CONSTRUCTION. EMPLOY A QUALIFIED TREE SURGEON TO REPAIR MAJOR DAMAGE TO TREES PROMPTLY TO PREVENT PROGRESSIVE DETERIORATION CAUSED BY THE DAMAGE.

GENERAL CONTRACTOR SHALL BE RESPONSIBLE FOR THE REPLACEMENT OF TREES DAMAGED BEYOND REPAIR BY THE PARKS DIVISION REPRESENTATIVE, WITH 3 TREES OF SIMILAR QUALITY AND SPECIES SIZED AT THE DIRECTION OF THE PARKS DIVISION REPRESENTATIVE. IF TREES ARE HARMED THROUGH LACK OF PROTECTION OR THROUGH NEGLIGENCE OF ANY PARTY, THAT PARTY SHALL BEAR THE COST OF REPAIR OR REPLACEMENT.

LEAVE ALL EXISITNG VEGETATION UNDER TREE GROUPINGS TO REMAIN. CLEAN OUT ANY DEBRIS, DEAD MATERIAL AND OTHER ITEMS WHICH MAY POSE A HAZZARD TO CHILDREN PLAYING IN AREA. CLEAN ALL MATERIAL BY HAND FROM UNDER SINGLE TREES TO REMAIN, USING EXTREME CARE TO AVOID DAMAGE TO TREE.

ALL TREES AND OTHER VEGETATION TO BE REMOVED SHALL HAVE ALL ABOVE GROUND MATERIALS REMOVED, ALONG WITH TRUNK AND ROOT MATERIAL BELOW GRADE TO LEVEL TO ALLOW CONSTRUCTION WORK, SODDING, AND SAFETY ZONES FOR PLAY AREAS TO BE ACCOMODATED.

ALL TREES AND UNDERGROWTH TO BE REMOVED SHALL BE TAGGED BY CONTRACTOR AND APPROVED BY PARKS DIVISION REPRESENTATIVE PRIOR TO ANY REMOVAL WORK COMMENCING.

EXISITNG TREES

- ⊙ EXISTING TREE TO REMAIN
- × EXISITNG TREE TO BE REMOVED

REMOVAL SUMMARY

EXISITNG TREE SIZE	QTY REMOVED	REPLACEMENT TREES REQUIRED (@ 3" CAL.)
4"-8" (1:1)	60	NA
8"-12" (2:1)	33	NA
12"-16" (3:1)	19	NA
16"-24" (4:1)	6	NA
24+" (5:1)	4	20
TOTAL	122	20

TREE SAVE SUMMARY

EXISITNG TREE SIZE	QTY SAVED	REPLACEMENT TREES CREDIT (@ 3" CAL.)
4"-8" (1:1)	2	NA
8"-12" (2:1)	4	NA
12"-16" (3:1)	0	NA
16"-24" (4:1)	0	NA
24+" (5:1)	0	0
TOTAL	6	0

REPLACEMENT CALCULATIONS

REPLACEMENT PROVIDED	CANOPY QUANTITY	UNDERSTORY QUANTITY
*MAGNOLIA - 3" CAL.	4	
*HIGHRISE OAK - 3" CAL.	8	
*LIVE OAK - 4" CAL.	1	
*RED CEDAR - 3" CAL.	1	
*REDBUD TREE - 2.5" CAL.		6
ITALIAN CYPRESS - 2.5" CAL.		6
*CRAPE MYRTLE - 2.5" CAL.		27
LIGUSTRUM TREE - 2.5" CAL.		4
TOTAL TREES PLANTED	14	43

REPLACEMENT TREES REQUIRED	20
REPLACEMENT TREES SAVED	-0
REPLACEMENT TREES REQUIRED	20
REPLACEMENT TREES PROVIDED	14
REPLACEMENT TREES DEFICIENT	NA

2.

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SIGNATURE AND DATED SEAL
CHRISTOPHER D. RICE LA6667122

CONSULTANTS

RAINBOW RASCALS DAY CARE

DRAWING TITLE
TREE MITIGATION PLAN

PROJECT ADDRESS
LAKE MARY BLVD
LAKE MARY, FLORIDA

OWNER NAME AND ADDRESS

REV.	DESCRIPTION	DATE
1.	OWNER COMMENTS	09/09/17
2.	CITY COMMENTS	09/27/17

PROJECT NO.	17-125
PHASE	CONSTRUCTION DOCUMENTS
SCALE	1"=20'-0"
FILE NAME	17-125
DRAWN BY	CDR
CHECKED BY	CDR
DATE	07/17/17

T-100