



McCall Tree Health and Consulting LLC

2883 Breakers Ct.
Fernandina Beach, FL 32034

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(904) 557-3951

November 16, 2018 (Revised June 25, 2019)

Property Owners:
Forum Capital Partners LLC
c/o Morgan Brown
9995 Gateway N. Suite 400
Jacksonville, FL 32034

Subject: Inspection, certification, and calculations of trees to satisfy the Nassau County Tree ordinance requirements for the new proposed Enclave Beach Access from Enclave I to Amelia Island Parkway

Attached are the calculations to satisfy the Nassau County Tree Protection Ordinance Section 37.02 of the Land Development Code (LDC) currently in force. Tree numbers on the spreadsheet correspond to numbers from the survey provided to me and on the plans. According to the calculations acceptable to Nassau County, 72% of the diameter at breast height (dbh) of the trees presently on the site will be saved. That is 27 percentage points more than the present requirement of 45%.

Trees with a red "M" in the saved column will be "maintained" which means that they will remain on the site, but not officially count toward trees saved. Even though the path may encroach on the TPZ of these trees somewhat, the owner would like to keep as many trees as possible to enhance the aesthetic value and maintain canopy.

Barricades will be established for this project as a required by Nassau County LDC Section 37.02(G). The contractor should let me know when the barricades have been established around the trees so that I can inspect them to report back to Nassau County officials that barricades are correctly established. Barricades should be constructed according to requirements contained in the definition of "Barricades" in Article 32 Definitions.

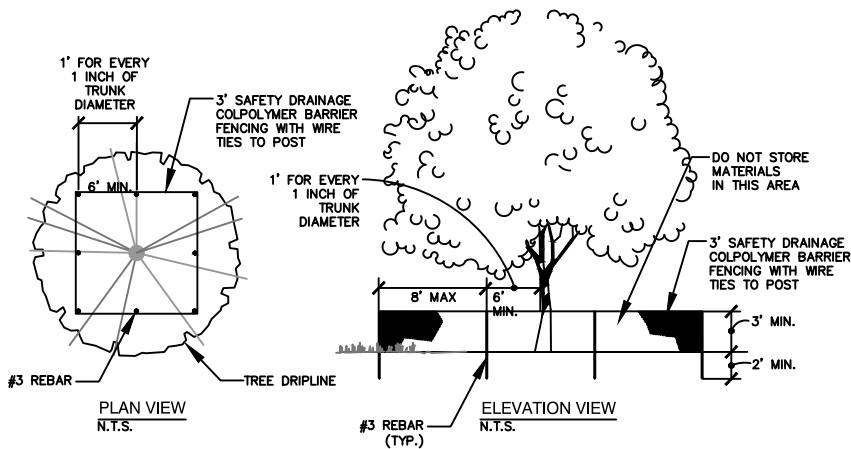
A drainage system to disperse water from the trail will consist of a 6" perforated pipe covered by filter fabric and course aggregate parallel to the trail on the downward sloping side. Sidewalks/multi-use paths may sometime be within the TPZ, but are at least three times the diameter of any tree on the property as suggested by the Special Companion Supplement to the ANSI A300 Standards Practices Part 8 - Root Management. I do not expect significant impact on existing trees. The path will be at least 3 feet away from any saved tree on the plan. The path will be constructed for MUP and light duty traffic with 12" Type B 12" stabilization layer, a 5.5" SP Base Course and 1" asphalt wearing surface.

Kindest regards,
Early McCall

ISA Certified Arborist FL-6200A
ISA Tree Risk Assessment Qualified



TREE PROTECTION BARRICADE DETAIL



THE TREE PROTECTION BARRICADE SHALL BE AT LEAST THREE (3) FEET HIGH. THE BARRIER SHALL CONSIST OF EITHER WOOD FENCE WITH 2x4 POSTS PLACED A MAXIMUM OF EIGHT (8) FEET APART, WITH A 2x4 TOP RAIL OR A TEMPORARY WIRE MESH FENCE, OR OTHER SIMILAR BARRIER WHICH WILL LIMIT ACCESS TO PROTECTED AREA.

THE BARRIER SHALL BE AT LEAST ONE FOOT IN DIAMETER FOR EVERY INCH OF TRUNK DIAMETER. FOR TREES LESS THAN 12" DBH, THE MINIMUM BARRIER SHALL BE AT LEAST SIX (6) FEET AWAY FROM THE BASE OF THE TREE.

TREE BARRICADE APPROVAL: OBTAIN CITY APPROVAL OF TREE BARRICADE BEFORE BEGINNING CLEARING OPERATIONS OR ANY SITE DEVELOPMENT.

Project	Enclave Beach Access	Bonus	1.25
AI Protected Native Canopy Trees (table 37-4 trees 6" or greater)		Percentile	0.8

M = Maintained

Species does not count To be removed for health

Tree #	size (dbh)	Species	Status	with bonus	saved? (Y/N)	saved dbh	Comment
44	16	LAU	3	16	Y	16	poor crown competition, decay at base
45		Camphor	5	0	N	0	dead limb fell out, poor tree
46	41	LO	1	51.25	Y	51.25	
48		LAU	5	0	N	0	hollow
58	17	LAU	1	17	M	0	
59	9	LAU	2	9	N	0	poor crown from competition
60	13	LAU	1	13	N	0	
62	11	LAU	3	11	N	0	
72	27	LO	3	33.75	N	0	part of crown fell out
82		LO	4	0	N	0	broken crown, split stem
83	15	LO	1	15	N	0	
85	12	LAU	2	12	Y	12	bent somewhat
91	12	LAU	1	12	Y	12	needs vine cleanup
92	25	LO	2	31.25	N	0	forked, small hole at base
93	22	LO	1	27.5	N	0	
94	15	LAU	1	15	Y	15	
95	18	LO	1	18	Y	18	
96	9	H	3	9	Y	9	poor crown
101	9	LAU	2	9	Y	9	Phyto
102	8	LAU	1	8	N	0	
103	9	LAU	3	9	N	0	severe lean, near road
104	10	LAU	2	10	N	0	forked crown
108	20	LO	2	25	M	0	limb fell off, some splits
112	11	LO	3	11	Y	11	forked with 113
113	15	LO	3	15	Y	15	forked with 112
114		LO	4	0	N	0	top out
117		Water Oak	1	0	0	0	
118		LO	4	0	N	0	top out
120	18	LO	2	18	Y	18	clean some dead wood
126	24	LO	2	30	Y	30	some dead wood
127	20	LO	1	25	Y	25	
128	22	LO	2	27.5	Y	27.5	tree hung up in this live oak, some dead wood
130	11	LAU	1	11	Y	11	
131	11	LO	3	11	Y	11	forked
133	16	LAU	1	16	Y	16	
136	8	LAU	2	8	Y	8	
137	9	LAU	3	9	Y	9	forked
139		LAU	4	0	N	0	severe lean
140	10	LAU	2	10	Y	10	crooked
141	9	LAU	1	9	Y	9	
142	11	LAU	1	11	N	0	
143	21	H	2	26.25	N	0	lean
150	14	LO	3	14	N	0	rubbing on 152
152	12	LAU	3	12	N	0	rubbing on 153
153	14	LO	3	14	Y	14	crook in the stem
154	18	LO	1	18	Y	18	clean vines
155	13	LO	2	13	Y	13	crooked from competition
156	10	LAU	2	10	Y	10	crooked
157	22	LAU	3	27.5	Y	27.5	clean vines
158		LAU	4	0	N	0	internal decay
271	22	MAG	2	27.5	Y	27.5	forked at base
272	14	MAG	2	14	Y	14	forked at base
273	16	LO	2	16	Y	16	trim deadwood
274	23	LO	3	28.75	Y	28.75	multiple splits
275		LO	5	0	N	0	top out dead
277		LAU	4	0	N	0	dieback and hollow

1116.5
Percentile Bonus Size
19.6
Pre-dev dbh
1033
dbh saved
743.75
% dbh saved
72%
required
45%
difference
-27%

I, _____, am a certified arborist through the International Society of Arboriculture and my certification number is _____. I hereby attest that I have prepared this tree protection and replacement plan and/or restoration plan. This includes not only the evaluation of individual trees but also review of the complete construction plan set and the techniques that will be utilized to mitigate impacts to protected trees. Further, I attest that best practices, as supported by the International Society of Arboriculture, are being implemented to avoid and mitigate impacts to protected trees.

TREE BARRICADE INSPECTION NOTES:

1. TREE PROTECTION BARRICADE DETAIL: CONTACT THE NASSAU COUNTY DEPARTMENT OF PLANNING & ECONOMIC OPPORTUNITY FOR TREE BARRICADE INSPECTION AND APPROVAL BEFORE BEGINNING TREE CLEARING OPERATIONS.
2. PRIOR TO ANY CLEARING, THE MARKED TRAIL SHALL BE WALKED BY PEO STAFF AND BY Ms. JORDI (UF/IFAS ARBORIST) IN ORDER TO CLEARLY MARK THE TREES TO BE SAVED.
3. TREE BARRICADES ARE REQUIRED PER SEC. 37.02(G) AND ARTICLE 32 DEFINITIONS IN THE NASSAU COUNTY LAND DEVELOPMENT CODE.

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION
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ENCLAVE AT SUMMER BEACH HOA

PROJECT NAME

PHASE 1 ORANGE AVENUE PATH

ARBORIST REPORT
TREE PROTECTION DETAIL / NOTES

SHEET NO.

Arborist