



AGENDA
ENVIRONMENTAL ADVISORY BOARD
CITY OF PORT ORANGE

Meeting Date: Tuesday, January 26, 2016

Time: 5:00 PM

Type of Meeting: Regular

Location: 2nd Floor Conference Room
City Hall, 1000 City Center Circle

A. CALL TO ORDER

1. Roll Call

B. ELECTION OF OFFICERS

C. DISCUSSION/ACTION

2. Consideration of Minutes
3. Historic Tree Removal for proposed Cumberland Farms Convenience Store

D. PUBLIC COMMENTS

E. BOARD COMMENTS

F. NEXT MEETING DATE

4. Next Meeting Date: 4-26-16

G. ADJOURNMENT

ANY PERSON WHO DECIDES TO APPEAL ANY DECISION MADE BY THE **ENVIRONMENTAL ADVISORY BOARD** WILL NEED A RECORD OF THE PROCEEDINGS, AND FOR SUCH PURPOSE HE OR SHE MAY NEED TO ENSURE AT HIS OR HER OWN EXPENSE FOR THE TAKING AND PREPARATION OF A VERBATIM RECORD OF ALL TESTIMONY AND EVIDENCE OF THE PROCEEDINGS UPON WHICH THE APPEAL IS TO BE BASED. NOTE: IF YOU ARE A PERSON WITH A DISABILITY WHO NEEDS ANY ACCOMMODATION IN ORDER TO PARTICIPATE IN THIS PROCEEDING, YOU ARE ENTITLED, AT NO COST TO YOU, TO THE PROVISION OF CERTAIN ASSISTANCE. PLEASE CONTACT THE CITY CLERK FOR THE CITY OF PORT ORANGE, 1000 CITY CENTER CIRCLE, PORT ORANGE, FLORIDA 32129, TELEPHONE NUMBER 386-506-5563, WITHIN 2 WORKING DAYS OF YOUR RECEIPT OF THIS NOTICE OR 5 DAYS PRIOR TO THE MEETING DATE; IF YOU ARE HEARING OR VOICE IMPAIRED, CONTACT THE RELAY OPERATOR AT 1-800-955-8771.

ENVIRONMENTAL ADVISORY BOARD MEETING MINUTES
CITY OF PORT ORANGE
1000 CITY CENTER CIRCLE – CITY HALL
CITY MANAGER'S CONFERENCE ROOM
JULY 28, 2015 @ 5:15 P.M.

THE ENVIRONMENTAL ADVISORY BOARD of the City of Port Orange was called to order by Chairman White at 5:17 p.m.

Present: Newton White, Chairman
 Derek La Montagne, Vice Chairman
 Philip Klema
 James Meadows
 Paul Minshew

Absent: Suzanne Grubbs
 Dennis Young (Excused)

Also Present: Margaret Momberger, Construction/ Engineering Manager
 Mitchell Thomas, Foreman Public Works
 Susan Lovallo, Parks & Recreation Director
 Steve Edger, Contract City Forester
 Barbara Abbate, City Clerk's Office

B. DISCUSSION/ACTION

2. Consideration of Minutes

Motion made by Member Meadows to accept the minutes as corrected from the April 21, 2015 meeting. Seconded by Member Minshew motion carried unanimously by voice vote.

3. Oak Tree Preservation at City Center

Margaret Momberger, Construction/ Engineering Manager, said Steve Edger, Contract City Forester, Susan Lovallo, Parks & Recreation Director and Mitchell Thomas, Foreman (Irrigation) Public Works were all here to speak on this matter.

Mr. Edger gave the Board some history of the City Center trees. He reported the irrigation system has been damaged and is almost irreparable. Some of the trees are suffering from lack of water.

Chairman White is concerned about the sidewalks and roadways lifting because of the root system. He asked if the irrigation is fixed/replaced will that help with the roots coming to the surface. Mr. Edger said there is not enough room for the roots and that's why the roots are coming to the surface.

Ms. Lovallo said there are just two employees that take care of all the irrigation in the City. Mr. Thomas said there are a lot of trees in a small area that is why the roots are coming to the surface. He also said the irrigation at City Center is at 70% coverage today and should be able to get to 90% by tomorrow. Mr. Thomas said a complete irrigation revamp is needed but he isn't sure how to do that with how full of roots the islands are. He suggested pervious concrete would help get some water into the ground. Mr. Edger said it wouldn't be good to put pervious concrete in because that would encourage the roots to move under the parking lot and there would be more lifting.

Ms. Momberger said if she were to design the irrigation system she would run pipe above ground and have bubblers. Mr. Edger said there would also need to be some shade plants to help keep the mulch in the beds.

Chairman White asked what the Board should recommend to City Council to fix this problem. Mr. Edger said there should be an estimate to get the job done before it is presented to City Council. Ms. Momberger said it should be a capital improvement project for funding. Mr. Edger said he can come up with a description for a budget item and bring it back to this Board for approval.

Chairman White said there needs to be a design plan done for an irrigation system and landscaping that will meet the needs. This design will also have to include protection from foot traffic.

4. Tree City USA Program and Arbor Day.

Ms. Lovallo said there must be an Environmental Board, Tree Care Ordinance, Community Board Youth Program, and an Arbor Day observance and proclamation. The City has all of these things and the Mayor does a proclamation.

Member LaMontagne said there should be a funding for tree preservation. Ms. Lovallo said the City of Port Orange spent over \$537,000 on trees last year. She said there were 385 trees planted in the parks alone.

Member LaMontagne asked why the list of preserved trees is so short. Ms. Momberger said there is a zoning code and land development code. There are only two zoning categories that developers can make their own rules: the PCD (plan commercial development) and PUD (plan unit development). She also said there are a lot of PCD's and PUD's in the City. Ms. Momberger said Volusia County's environmental standards is how a specific tree gets on the protected tree list.

Mr. Edger said he will bring the ordinance for Orlando to the next meeting for the Board's review, Ms. Momberger said she will also bring ordinances from some nearby cities for the Board's review.

Chairman White said the Board would also like an update on the grass clippings in the roadways. Ms. Momberger said Branford Adumuah, Public Works Director, has notified the mowing crews not to blow anything into the roadways and if they do there will be a violation. She also said Code Enforcement is preparing a document that will go out to all the lawn

maintenance companies that are on file for business tax within the city. There will also be something going out in the next newsletter.

C. PUBLIC COMMENTS

There was none

D. REPORTS AND COMMENTS

Next Meeting Date: 10/27/15

E. ADJOURNMENT

Motion was made by Member Meadows to adjourn, seconded by Member Minshew. Motion carried unanimously by voice vote and the meeting ended at 6:20 p.m.

Newton White, Chairman

ENVIRONMENTAL ADVISORY BOARD MEETING MINUTES
CITY OF PORT ORANGE
1000 CITY CENTER CIRCLE – CITY HALL
CITY MANAGER'S CONFERENCE ROOM
OCTOBER 27, 2015 @ 5:15 P.M.

THE ENVIRONMENTAL ADVISORY BOARD of the City of Port Orange was called to order by Chairman White at 5:16 p.m.

Present: Newton White, Chairman (left early)
 Derek La Montagne, Vice Chairman
 Philip Klema
 Paul Minshew (arrived late)
 Dennis Young

Absent: James Meadows
 Suzanne Grubbs (Excused)

Also Present: Margaret Momberger, Construction/ Engineering Manager
 Barbara Abbate, City Clerk's Office

A. PUBLIC COMMENTS

Shirley Johnson and Joan Kopshina both citizens of Port Orange, were present to discuss tree trimming. Chairman White told them that tree trimming was an agenda item and they would have ample time to address that during that topic.

B. DISCUSSION/ACTION

1. Consideration of Minutes

Member La Montagne believes there are some things missing from the minutes about tree studies that will be done in the new Walmart location. Barbara Abbate, City Clerk's office, will review the recording and revise the Minutes if needed.

*Motion made by Member La Montagne to bring
corrected Minutes back to the January 26,
2016 meeting; seconded by Member Young.
Motion carried unanimously by voice vote.*

C. REPORTS AND COMMENTS

2. Tree Trimming Standards

Chairman White excused himself after the Spruce Creek rising discussion, and turned the meeting over to Vice Chairman La Montagne.

Margaret Momberger, Construction/ Engineering Manager, shared the photos that were provided to her from Ms. Johnson and Ms. Kopshina. Ms. Momberger reported that there are some tree trimmers that are going out and taking every branch off in hopes that the tree will die and have to be removed; there is nothing in city code to prevent that from happening except if it's a historic tree, they are protected. Vice Chairman La Montagne asked where this tree was located. Ms. Johnson said the tree is located at 3934 Oak Crest Circle. Ms. Momberger said this is being done all over the City and needs to stop.

Ms. Momberger described and discussed sample ordinances on tree trimming standards for the Board to review. There was some discussion about pruning of trees. Ms. Momberger discussed implementing a tree trimming ordinance to prevent people from over trimming trees with historic trees protected and went over some trimming suggestions with the Board. Member Klema asked if the ordinance would include requiring a permit to trim trees. Ms. Momberger believes if the ordinance were to include getting a permit for trimming there would need to be additional staff added.

Ms. Momberger believes the question for the Board is should there be an inclusive ordinance that will include trimming in general of just to prevent the butchering that has taken place with this particular tree. Member Minshew believes the ordinance should state not more than ¼ of the tree within 1 years' time. Ms. Momberger agreed with Member Minshew and said that would be her recommendation. Member LaMontagne asked if there is a fine for cutting down any specimen trees. Ms. Momberger said there is nothing in the code about specimen trees only historic trees. Member LaMontagne asked what the fine was for cutting down a historic tree. Ms. Momberger believes there is a \$500 a day fine and can be found in chapter 9 article 2. Ms. Momberger said historic trees are live oak and bald cypress. Member LaMontagne believes there should be a fine for cutting down specimen trees as well as historic trees. Ms. Momberger agreed the fee resolution should also be updated and a fine established for cutting down specimen trees.

Ms. Momberger will gather more information and draft an ordinance to bring back for the Board to review.

3. Spruce Creek Rising

Member La Montagne said City Council passed a Resolution for Spruce Creek Rising and he would like the Board to support City Council's decision on the Resolution.

*Motion made by Member La Montagne for the
Environmental Advisory Board to support City
Council's Resolution in conjunction with Spruce
Creek Rising; seconded by Member Young.
Motion carried 3 – 1 with Member Klema
opposed.*

4. City Council Workshop on City Center Landscaping - October 27, 2015 @ 6:30 p.m.

Ms. Momberger said Steve Edger, Contract City Forester, prepared a presentation for City Council on how to protect the trees at City Center.

5. Next Meeting Date: 1/26/2016

D. ITEMS FOR NEXT AGENDA

Elections of Chairman and Vice Chairman

Draft Ordinance for Tree Trimming including fines and fees

E. STAFF COMMENTS

Ms. Momberger showed the Board the door hanger that Code Enforcement is using for anyone putting anything in storm water drains and polluting the storm water.

F. ADJOURNMENT

Motion was made by Member Minshew to adjourn; seconded by Member Young. Motion carried unanimously by voice vote and the meeting ended at 6:26 p.m.

Newton White, Chairman

Tree Preservation Calculations and Mitigation

Project Name: Cumberland Farms - Port Orange, FL

Project No.: 100047729

Address: Nova and Herbert

Date of plans: 12/18/2015

Instructions: Fill in all areas highlighted in yellow. The form will calculate the required quantities and values.

Specimen and Historic Tree Mitigation

Section A: Administrative replacement for diseased or dead Specimen trees

N/A

Qty. for removal	1.35	# Replacement Trees	Subtotal
	12-16"	2	0
	17-24"	3	0
	25-32"	4	0
	33-40"	5	0
	41" +	6	0
Total A replacement trees =			0

or
or
or
or
or

\$	-
\$	-
\$	-
\$	-
\$	-
\$	-

Section A tree bank
contribution amount

Section B: Mitigation for healthy Specimen trees

N/A

Qty. for removal	Size	# Replacement Trees	Subtotal
	12-16"	2	0
	17-24"	3	0
	25-32"	4	0
	33-40"	5	0
	41" +	6	0
Total B replacement trees =			0

or
or
or
or
or

\$	-
\$	-
\$	-
\$	-
\$	-
\$	-

Section B tree bank
contribution amount

Section C: Mitigation for diseased Historic trees (5% cross sectional area, Res. 02-71)

N/A

Qty. for removal	Size	Replacement sq. inches	# Replacement trees
		0.00	0
		0.00	0
		0.00	0
Total C replacement trees =			0

or
or
or
1

\$	-
\$	-
\$	-
\$	-

Section C tree bank
contribution amount

D: Mitigation for healthy Historic trees (15% cross sectional area, Res. 02-71)

Qty. for removal	Size	Replacement inches	# Replacement trees
1	39	179.19	14
1	44	228.08	18
		0.00	0
Total D replacement trees =			32

1

or
or
or

\$	4,838.09
\$	6,158.15
\$	-
\$	10,996.24

Section D tree bank
contribution amount

Total replacement trees = 32

or

\$ 10,996.24 Total tree bank
contribution amount

Replacement trees shall be minimum four-inch caliper, 14 feet high



Atkins North America, Inc.
482 South Keller Road
Orlando, Florida 32810-6101
Telephone: +1.407.647.7275
www.atkinsglobal.com/northamerica

January 8, 2016

Ms Margaret E. Momberger, RLA
City of Port Orange
1000 City Center Circle
Port Orange, FL 32129

Re: **Cumberland Farms**
S. Nova Road and Herbert Street

Dear Margaret:

ATKINS North America is pleased to submit its analysis of the existing historic trees within the Nova and Herbert site, the existing Booth's Bowery, and proposed location for a Cumberland Farms convenience store/fueling station.

Our arborist, Benjamin J. Baker, ISA performed a site visit and prepared the assessment. For graphical depiction and numbering of the trees in question, please refer to the sheet labeled "Historic Tree Exhibit". Trees numbered 1-3 are either off-site or on the property boundary and are proposed to remain undisturbed.

There are three (3) on-site trees classified as historic, of which two (2), numbered 5 and 6, will be removed and one (1), numbered 4, will be preserved. We will be providing tree protection details for Tree No. 4 as part of the construction documents, which will be submitted to the City of Port Orange. We propose mitigation for the removed trees in accordance with Resolution 02-71, in lieu of tree replacement.

Please find attached our report, with photographs and colored exhibit of the proposed site plan. Should you have any additional questions or comments, please do not hesitate to contact me. We look forward to presenting our project before the Environmental Advisory Board on Jan 26th.

Sincerely,

A handwritten signature in blue ink, appearing to read "Rafael A. Bassi".

Rafael A. Bassi, PE
Sr. Project Manager

Attachments

Memo

To:	Rafael A. Bassi P.E.
From:	Benjamin J. Baker, I.S.A
Date:	6 Jan 2016
Ref:	Cumberland Farms - Nova & Herbert Port Orange, FL
Subject:	Large Oak Tree Assessment Tree No.'s 4, 5, and 6

Per your request I have completed the evaluation of the historic trees on the Cumberland Farms project development site located at the corner of Nova Road and Herbert Street in Port Orange, Florida. In total there are two historic trees to be removed interior to the proposed building envelope. The evaluation process used was based on tree evaluation criteria published by the Council of Tree and Landscape Appraisers (2009). Through this process the roots, trunk and canopy of each tree was evaluated as to species appropriateness, structural integrity, presence of decay, asymmetrical growth, trunk lean, location in the landscape, and overall health. Each tree was inspected in a non-invasive manner. The physical attributes and health of each tree was evaluated from the ground only.

It is understood that Tree No. 4 will remain, and Tree No.'s 5 and 6 will be removed. The overall observation of said trees is that they are in good health. Their assessment is as follows:

Tree No. 4 *Quercus Virginiana* Live Oak

- 44" DBH
- Tree is in good condition.
- Dead wood present in canopy.
- Candidate for pruning.

Tree No. 5 *Quercus Virginiana* Live Oak

- 40" DBH
- Tree is in good condition.
- Good leaf color.
- Dead wood present in canopy.
- Candidate for pruning.

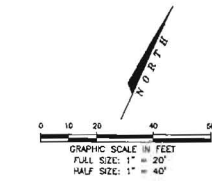
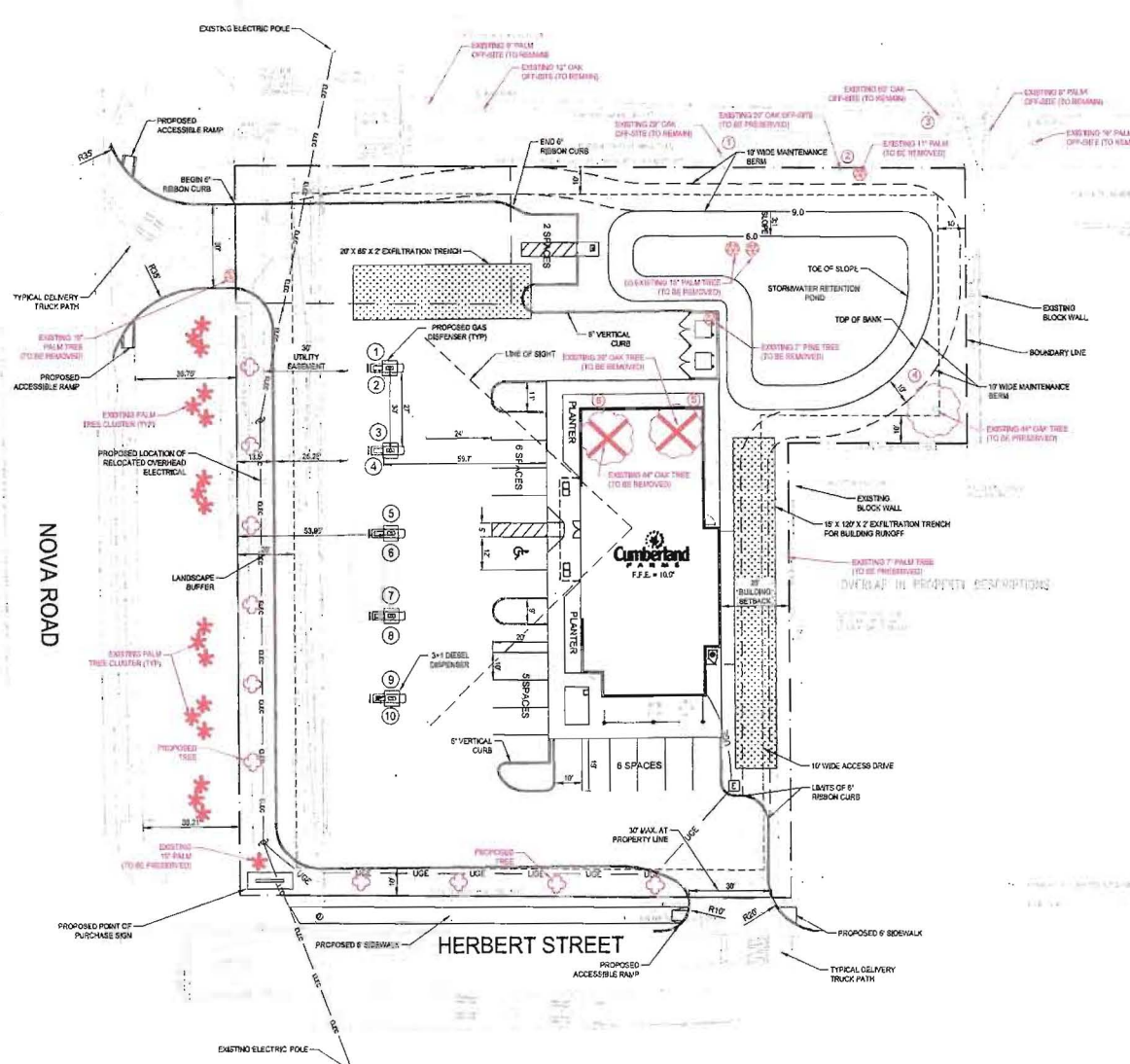
Tree No. 6 *Quercus Virginiana* Live Oak

- 42" DBH
- Missing main vertical leader
- Tree is in good condition.
- Good leaf color.
- Dead wood present in canopy.
- Candidate for pruning.
- Slight lean to the north

Based on the moment in time of my observation, Tree No. 4 should not present any threat to property or people if it is retained on site.

Suggest providing tree protection detail for trees to remain.

0 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



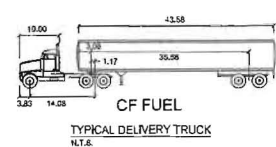
- LEGEND**
- SITE BOUNDARY LINE
 - PROPOSED UNDERGROUND ELECTRICAL
 - ELEC. PROPOSED OVERHEAD ELECTRICAL
 - TYPICAL GAS DISPENSER
 - PROPOSED TREE (1\"/>

LOT COVERAGE CALCULATIONS

	EXISTING	EXISTING	PROPOSED	PROPOSED
BUILDING AREA	15,800 SF	20.0%	4,000 SF	5.2%
PARKING & DRIVEWAY AREA	23,740 SF	30.7%	33,130 SF	43.0%
TOTAL IMPROVEMENT AREA	40,000 SF	51.7%	37,130 SF	48.2%
TOTAL PAVED AREA	15,840 SF	20.3%	22,400 SF	29.0%
TOTAL SITE AREA	59,400 SF	100.0%	59,400 SF	100.0%

HISTORIC TREE INVENTORY TABLE

SIZE	SPECIES	STATUS	DISPOSITION
10"	LIVE OAK	HISTORIC	PRESERVE
10"	LIVE OAK	HISTORIC	REMOVE
10"	LIVE OAK	HISTORIC	REMOVE



NOVA ROAD

HERBERT STREET

ATKINS
CORPORATE OFFICE
500 W. BOY BOYD BLVD
TAMPA, FL 33606
www.atkins.com

Cumberland Farms
CUMBERLAND FARMS INC.
10000 W. BOY BOYD BLVD
TAMPA, FL 33606

HISTORIC TREE EXHIBIT

Date	Drawn	Check	Drawn	Check
01/10/10	ARCH D			

CFG05.0

Tree No. 1 and 2



Tree No. 1



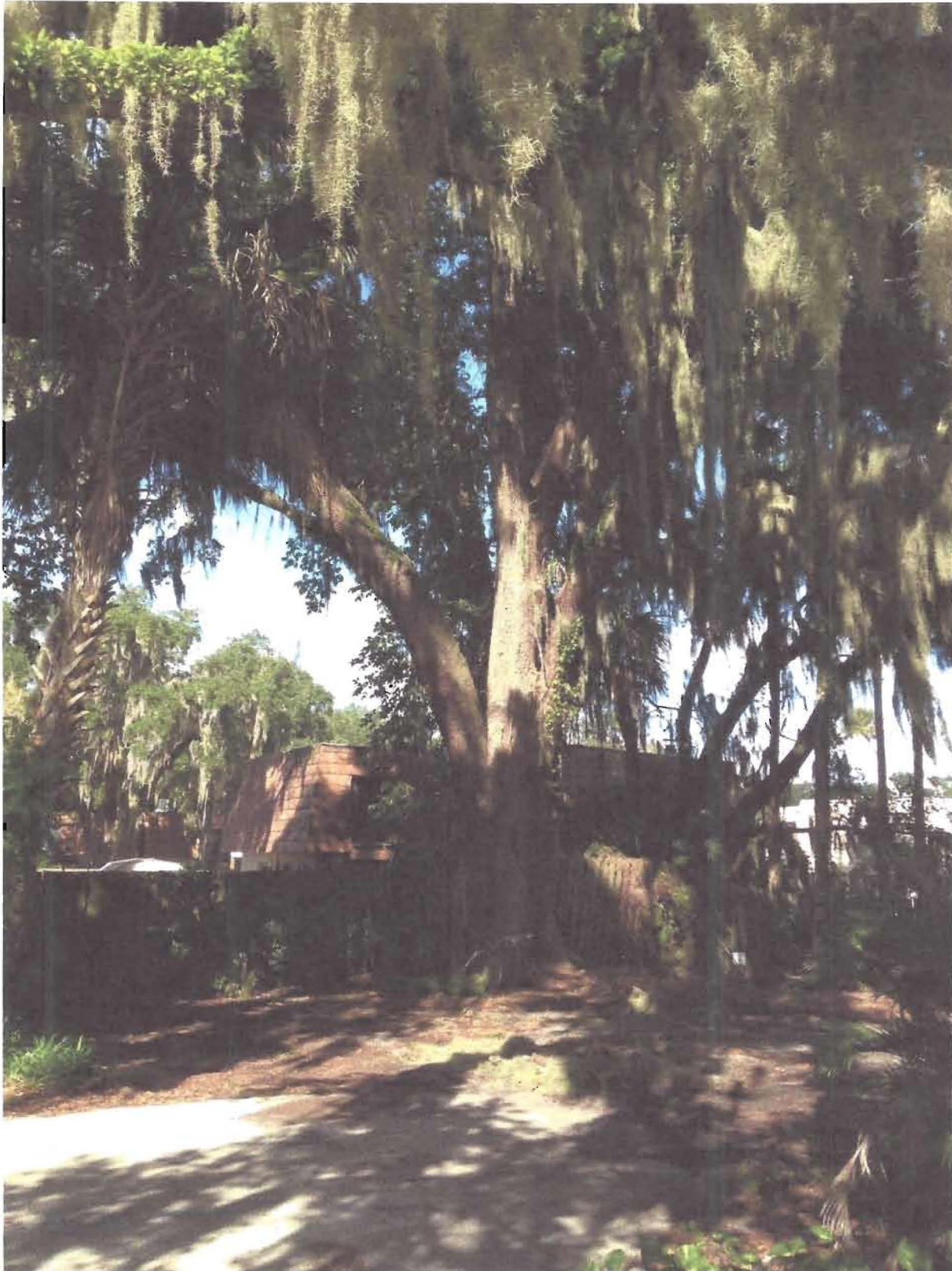
Tree No. 2 and Tree No. 3



Tree No. 2



Tree No. 3



Tree No.4



Tree No. 5



Tree No. 6

