



APPLICATION FOR CANOPY ROAD DESIGNATION

APPLICATION

APPLICANT:	Judy Beal (agent) for Karen Street property owners
AGENT:	Judy Beal 5014 Karen Street Fernandina Beach, FL 32034
REQUESTED ACTION:	Designate Karen Street as a Canopy Road as pursuant to Sec 37.08 LDC
LOCATION:	Karen Street from Scott Road to Orange Avenue Fernandina Beach
LAND USE:	Medium Density Residential
ZONING:	Residential Single Family 1
EXISTING USES ON SITE:	SF Residential
LENGTH AND CURRENT WIDTH:	1,141.7 feet long and 66 feet wide ROW
COMMISSION DISTRICT:	2

**** The planning director, or his/her designee, shall insure that the trees are identified and recorded on the proposed roadway and zone, and present the information to the board of county commissioners for its approval. The identification and recordation shall be in a form that can be attached to an ordinance. ****

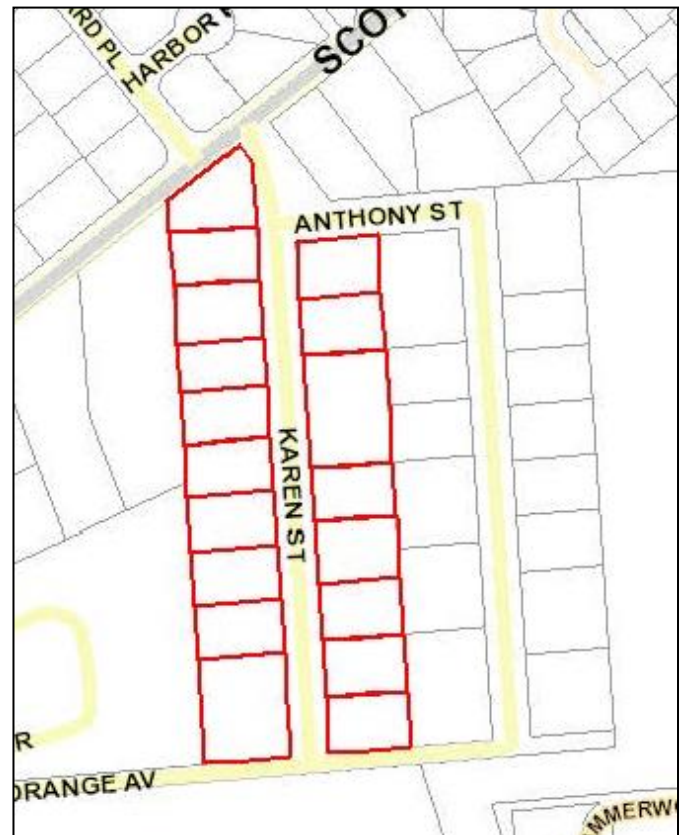
SUMMARY OF REQUEST AND BACKGROUND INFORMATION

The applicants are seeking to designate Karen Street from Scott Road to Orange Avenue as a canopy road pursuant to Sec 37.08 LDC.

The planning director, or his/her designee, shall insure that the trees are identified and recorded on the proposed roadway and zone, and present the information to the Board of County Commissioners for its approval. The identification and recordation shall be in a form that can be attached to an ordinance.

An ISA-certified arborist (Genesis-Halff) was hired by Nassau County to perform a tree inventory which includes species identification, DBH (diameter breast height), common name, protected status, form, health status and appropriate remarks.

Two (2) community meetings were held (May 23 and June 17, 2019) with parcel owners whose property abuts Karen Street. Consensus was achieved regarding the Canopy Road designation area. These residents would like to extend the Canopy Road designation area to include 20





feet on either side of the platted 66 foot ROW for a total width of 106 feet, as well as six (6) additional trees that are on or beyond that boundary.

Attachment “H”, the ‘Tree Survey Inventory’, lists all trees to be included in the Canopy Road designation area. Attachment “I”, the ‘Proposed Canopy Road Designation Area Map’ shows the location of all protected trees within the proposed Canopy Road designation area.

CONSISTENCY WITH LDC SECTION 37.08 (A): DESIGNATION CRITERIA

When considering Canopy Road designation requests, the Board of County Commissioners shall make a written finding that the request satisfies the following criteria:

- **Roads or portion of said roads be considered, or a petition of the lesser of either of fifty-one (51) percent or two hundred (200) of the property owners abutting the road may request that a road be considered.**

A signed petition and letters of support showing support of 67% of all property owners whose property abuts Karen Street has been submitted.

- **Historic Significance**

The Belle Glade subdivision was platted in 1957. The exact age of the trees is difficult to determine without invasive techniques, although the trunk size and canopy coverage of several trees suggests they have reached maturity and therefore, they may have been part of the tree coverage at that time. Four parcels on Karen Street remain vacant, one is cleared, a home is being erected on another and two are overgrown and contain trees of varied ages.

- **Scenic Criteria (including tree canopy)**

The native trees within the ROW along Karen Street are Live Oak (*Quercus virginiana*), Laurel Oak (*Quercus laurifolia*), southern magnolia (*Magnolia grandifolia*), Magnolia spp., and Ash (*Fraxinus spp.*). The Live Oak grows as a spreading canopy which can attain a height of between 60 to 80 feet and a canopy width between 60 to 120 feet. The Laurel Oak (*Quercus laurifolia*) can reach heights of 65 to 100 feet and canopy widths between 40 to 60 feet. Southern Magnolia can reach heights of 60 to 100 feet and sweetbay Magnolia, heights of 40 to 60 feet. Ash can reach heights of 60 to 80 feet. (The Florida Urban Forestry Council and UF/IFAS). All species of trees along Karen Street exhibit the expected growth habit for their species.

Several Live Oak trees have been ‘lion tailed’, a pruning method which increases the instability of the tree by removing mass close to the trunk and leaving mass at the ends of branches.

A letter submitted with the application describes the trees along this road as “scenic and provide the characteristic sense of place of Amelia Island.”



- **Ecological Significance**

Sec 37.02 (A) (2) LDC acknowledges the importance of the native tree canopy of Amelia Island: The maritime forest ecology of Amelia provides “meaningful contribution to a healthy, beautiful, and safer community attributable to their carbon dioxide absorption, oxygen production, dust filtration, wind and noise reduction, soil erosion prevention, wetland erosion protection, wildlife habitat, surface drainage improvement, beautification and aesthetic enhancement of improved and vacant lands”.

The native canopy forest also provides temperature moderation and protection from storm winds,

Canopy trees in Amelia Island maritime forest include Live oak, Laurel Oak, Water Oak, Sabal (Cabbage) Palm, Ash, Hickory, Southern Magnolia, Red Cedar and several types of Pine.

- **Traffic Information**

Karen Street is designated as a local road and functions in that capacity resulting in traffic flow created predominately by the residents of Karen, Orange and Anthony Streets. A letter submitted with application states that “there is little traffic on these streets.”

The Karen Street Right-of- Way is 66 feet wide and approximately 1,141.7 feet in length.

The Zoning District is Residential Single Family 1.

The Future Land Use is Medium Density.

CONCLUSION

Staff finds the requested action to be consistent with the Land Development Code as follows:

	Determination of Consistency
LDC 37.08 (A)	√

Staff recommends Approval of the proposed Canopy Road designation area on Karen Street to include 20 feet on either side of the platted 66 foot ROW, for a total protected zone of 106’.

Approval is subject to the following conditions as pursuant to Section 37.08 (B) LDC:

Restrictions on scenic/canopy roads.

1. The county shall not widen or increase the number of lanes on any of the county roads designated as scenic/canopy roads.
2. Outdoor advertising signs shall be prohibited, except signs advertising residential developments or homes for sale or parcels of property immediately adjacent to the road or subdivision and entryway signs constructed in accordance with the county sign ordinance. On-premises commercial signs, excluding billboards, shall be allowed.



3. The erection of markers or signage indicating that the road is a scenic/canopy road or historic road shall only be accomplished at the direction of the growth management coordinator or his/her designee with the consent of the board of county commissioners.
 4. Setting and posting of speed limits and warning of restricted roadway shoulders.
 5. Setting of classes of vehicular travel, including weight and height limitations.
 6. Limiting access and width of access.
 7. Tree protection. No trees, except as identified in Florida's Most Invasive Species List, Category I, which have attained a diameter of eight (8) inches or more at a point four and one-half (4½) feet above average ground level within the zone shall be removed, except as provided herein, and trees shall be identified as set forth herein.
-

Submitted by:

SUE ANN ALLEGER, MLA, CFM
PLANNER II



NASSAU COUNTY

**DEPARTMENT OF PLANNING
AND ECONOMIC OPPORTUNITY**
FLORIDA

STAFF REPORT
Planning & Zoning Board
ORD19-004
7/2/19

Attachments:

- A. Parcel Owner Petitions - Dated, signed and noting owner name, addresses and signatures.
- B. Letters of Support - from owners not listed on original petitions
- C. Application - dated February 19, 2019
- D. Plat of the Belle Glade Subdivision - approved January 16, 1957
- E. Zoning map
- F. Future Land Use Map (FLUM)
- G. Site Visit Notes - February 26, 2019
- H. Tree Survey Inventory by Genesis-Halff, dated May 24, 2019
- I. Proposed Canopy Road Designation Area Map
- J. List of parcel ID#s affected by the proposed ordinance



Attachment A - Parcel Owner Petitions

Karen St Owner	Approve Application	Signature	Date	Karen Owner	Approve Application	Signature	Date
5005 L McMullian		CUT OF STATE		5004 Profit Enterp LLC		NOT HOME	
5007 P Amelia LLC		CUT OF STATE		5006 G. Bass	✓	Ed Bass	2.17.19
5009 P/M Davison		NOT HOME		5008 K Thompson	✓	K Thompson	2/12/19
5011 T/S Eubanks	✓	Thomas Eubanks 2-12-19	2-12-19	5010 K Thompson	✓	K Thompson	2/12/19
5013 J Norbpn	✓	James E. Norbpn 2-12-19	2-12-19	5012 M/M Neuer	✓	M Neuer	2/12/19
5015 J Eubanks	✓	James Eubanks 2/12/19	2/12/19	5014 L/J Beal	✓	L Beal	2/12/19
5017 M Bouker	✓	NOT HOME		5016 P Thomas		NOT HOME	
5021 M/S Embrick		NOT HOME		5018 M Galardo		CUT OF STATE	
		NOT HOME		5020 T/M Burkhardt	✓	T Burkhardt	2/12/19



Attachment A - Parcel Owner Petitions

Karen St Owner	Approve Application	Signature	Date	Karen Owner	Approve Application	Signature	Date
<i>Scort</i> 5005 L McMullian				5004 Profit Enterp LLC			
5007 P Amelia LLC				5006 <i>Bass</i>	✓		
✓ 5009 P/M Davison	✓	<i>Adel</i>	3/2/19	✓ 5008 K Thompson	✓		
5011 T/S Eubanks	✓			5010 K Thompson	✓		
✓ 5013 J <i>Borbn</i>	✓	<i>John D. Al.</i>	5/7/19	5012 M/M Neuer	✓		
5015 J Eubanks	✓			5014 L/J Beal	✓		
5017 M Bouker				5016 P Thomas	✓		
5021 M/S Embrick	✓ <i>Separate pet</i>			5018 M Galarido			
				5020 T/M Burkhardt	✓		

Canopy Rd application #2



Attachment A - Parcel Owner Petitions

Karen St Owner	Approve Application	Signature	Date	Karen Owner	Approve Application	Signature	Date
5005 L McMullan		OUT OF STATE		5004 Profit Enterp LLC	<input checked="" type="checkbox"/>	<i>[Signature]</i>	4/13/19
5007 P Amelia LLC		OUT OF STATE		5006 G. Bass	<input checked="" type="checkbox"/>	<i>[Signature]</i>	3-17-19
✓ 5009 P/M Davison		NOT HOME		5008 K Thompson	<input checked="" type="checkbox"/>	K Thompson	2/12/19
5011 T/S Eubanks	<input checked="" type="checkbox"/>	<i>[Signature]</i>	2-12-19	5010 K Thompson	<input checked="" type="checkbox"/>	K Thompson	2/12/19
5013 J Norbun	<input checked="" type="checkbox"/>	<i>[Signature]</i>	2-12-19	5012 M/M Neuer	<input checked="" type="checkbox"/>	<i>[Signature]</i>	2/12/19
5015 J Eubanks	<input checked="" type="checkbox"/>	<i>[Signature]</i>	2/12/19	5014 L/J Beal	<input checked="" type="checkbox"/>	<i>[Signature]</i>	2/12/19
5017 M Bouker		OUT OF STATE		5016 P Thomas	<input checked="" type="checkbox"/>	<i>[Signature]</i>	2/12/19
✓ 5021 M/S Embrick	<input checked="" type="checkbox"/>	<i>[Signature]</i>		5018 M Galardo		OUT OF STATE	
				5020 T/M Burkhardt	<input checked="" type="checkbox"/>	<i>[Signature]</i>	2/12/19

KAREN APPLICATION



Attachment A - Parcel Owner Petitions

Karen Street - Canopy Road Consideration update 4-25-2019													
Parcel ID	Owner Name	Mail Address 1	Mail City	ST	Zip	#	Street	Ty	All Owners	Signature	Parcels	Signature	only St Address
00-00-30-0140-0002-0000	FENN YVONNE A C	3318 SEA MARCH ROAD	FERNANDINA BEACH FL	FL	32034	1520	SCOTT RD	1	1		1		
00-00-30-0140-0003-0000	DEV FRED L & PATRICIA NUZZO	100 GRAHAM RD	DUNLAP	TN	37327		KAREN ST	2			1		
00-00-30-0140-0004-0000	MC MULLEN LAURA D	3 REVERE ROAD	DARIEN	CT	6820	5005	KAREN ST	1			1		
00-00-30-0140-0005-0000	P AMELIA LLC	201 OLD JUPITER BEACH ROAD	JUPITER	FL	33477	5007	KAREN ST	1			1		
00-00-30-0140-0006-0000	DAVISON PAUL S & MELISSA D	5009 KAREN STREET	FERNANDINA BEACH FL	FL	32034	5009	KAREN ST	2			1		
00-00-30-0140-0007-0000	EUBANKS THOMAS C & SUSAN Y	5011 KAREN STREET	FERNANDINA BEACH FL	FL	32034	5011	KAREN ST	2			1		
00-00-30-0140-0008-0000	BORRION JOSHUA D	5013 KAREN ST	FERNANDINA BEACH FL	FL	32034	5013	KAREN ST	1			1		
00-00-30-0140-0009-0000	EUBANKS JASON C	5015 KAREN STREET	FERNANDINA BEACH FL	FL	32034	5015	KAREN ST	1			1		
00-00-30-0140-0010-0000	BOUKER MICHAEL D	18 STUARTS LN	EAST HAMPTON	NY	11937	5017	KAREN ST	1			1		
00-00-30-0140-0011-0000	EMBRICK MARK C & STEPHANIE L	382 ASHBROUKE TRAIL	LAWRENCEVILLE	GA	30043	5021	KAREN ST	2			1		
00-00-30-0140-0013-0000	PROFIT ENTERPRISES LLC	2141 PARK ST	JACKSONVILLE	FL	32204	5004	KAREN ST	1			1		
00-00-30-0140-0015-0000	G. BASS							1			1		
00-00-30-0140-0017-0000	THOMPSON KATHERINE J	5008 KAREN ST	FERNANDINA BEACH FL	FL	32034	5008	KAREN ST	1			1		
00-00-30-0140-0021-0000	NEUER MICHAEL D & MARY V	8451 GATE PKWY WEST APT 1013	JACKSONVILLE	FL	32216	5012	KAREN ST	2			1		
00-00-30-0140-0023-0000	BEAL LEONARD W & JUDITH A	5014 KAREN ST	FERNANDINA BEACH FL	FL	32034	5014	KAREN ST	2			1		
00-00-30-0140-0025-0000	PALMER THOMAS D	2372 ABBEWOOD ROAD	LEXINGTON	KY	40515	5016	KAREN ST	1			1		
00-00-30-0140-0027-0000	GALANDO MARIA CECILIA	2435 FLORA ST	MAPA	CA	94558	5018	KAREN ST	1			1		
00-00-30-0140-0029-0000	BURKHART THEODORE M & MERIDITH	5020 KAREN ST	FERNANDINA BEACH FL	FL	32034	5020	KAREN ST	2			1		
								25	16		18	12	17
								64%				67%	71%
								13			10		9
Re: Ordinance Section 37.08 Canopy/Scenic Roads													



Attachment B - Letters of Support - from owners not listed on original petitions

TO: Laura Mc^Mullan
3 Revere Rd
Darien, CT 06820

The residents of Anthony, Karen and Orange Streets are in the process of asking the county to designate our roads as Canopy Roads. To start this process we must have signatures from at least 51% of those residents to on a petition in the affirmative for the designation.

It would be appreciated greatly if you would send a post card or letter to me stating that you approve of this designation, the date and your signatures. We hope to maintain our beautiful trees and sustain our island as a barrier island.

Sincerely,

Judy Beal
Judy Beal
5014 Karen Street
Fernandina Beach, FL 32034
864-310-5172

Hi Judy,

I am completely in agreement! I defineth
want to see Anthony, Karen and Orange to
remain Canopy Roads.

Thank you for contacting me.

Lana D Mullan
5005 Karen St
Fdra. Bch FL 32034
203-820-7782



Attachment B - Letters of Support - from owners not listed on original petitions

Mark and Stephanie Embrick
5021 Karen Street
Fernandina Beach, FL 32034

February 19, 2019

To Whom It May Concern:

Let it be known that we support and agree with designating Karen & Orange Streets as Canopy Roads.
We own lots 11 and 12 on the corner of Karen Street and Orange Street.

Thank you,

Stephanie Embrick

Mark Embrick



NASSAU COUNTY
**DEPARTMENT OF PLANNING
AND ECONOMIC OPPORTUNITY**
FLORIDA

STAFF REPORT
Planning & Zoning Board
ORD19-004
7/2/19

Attachment C - Application - dated February 21, 2019

From: lenbeal44@aol.com
To: [Sue Ann Alleger](mailto:SueAnnAlleger@nassaucountyfl.com)
Subject: Re: Canopy Road designation
Date: Tuesday, February 19, 2019 8:21:07 AM
Attachments: [image001.png](#)
[Canopy.pdf](#)
[Taco Pope.docx](#)

Ms Alleger, Attached you will find the necessary information. Please note that I can get about 4 more signatures if needed. Thank you for your help with this matter -

Judy Beal
865-310-5172
5014 Karen St
FB, FL 32034

-----Original Message-----

From: Sue Ann Alleger <salleger@nassaucountyfl.com>
To: Taco Pope <tpope@nassaucountyfl.com>; Aaron C. Bell <acbell@nassaucountyfl.com>;
savethetrees@ameliatreeconservancy.org <savethetrees@ameliatreeconservancy.org>;
lenbeal44@aol.com <lenbeal44@aol.com>
Cc: Adrienne Burke <aburke@nassaucountyfl.com>; Naomi Braff <nbraff@nassaucountyfl.com>
Sent: Tue, Feb 19, 2019 8:10 am
Subject: RE: Canopy Road designation

Taco,
This email mentions an attachment. It is not included in the email I received. Can you please forward any information you have.
Thanks.
SA

Sue Ann Alleger, MLA CFM | Planner II & CRS Coordinator
Nassau County Planning and Economic Opportunity
96161 Nassau Place | Yulee, FL 32097
P: (904) 530-6322 E: salleger@nassaucountyfl.com



From: Taco Pope
Sent: Sunday, February 17, 2019 4:27 PM
To: Aaron C. Bell <acbell@nassaucountyfl.com>; savethetrees@ameliatreeconservancy.org;
lenbeal44@aol.com; Sue Ann Alleger <salleger@nassaucountyfl.com>
Cc: Adrienne Burke <aburke@nassaucountyfl.com>; Naomi Braff <nbraff@nassaucountyfl.com>
Subject: Re: Canopy Road designation

Hello Ms. Beal,



NASSAU COUNTY
**DEPARTMENT OF PLANNING
AND ECONOMIC OPPORTUNITY**
FLORIDA

STAFF REPORT
Planning & Zoning Board
ORD19-004
7/2/19

Taco Pope, Director
Planning and Economic Opportunity Department
96161 Nassau Pl.
Yulee, FL 32097
February 19, 2019

Dear Mr. Pope,

In compliance with Section 37.08—Canopy/scenic Roads of the Nassau County, FL Code of Ordinances, the property owners of Karen St. request consideration of Karen St. for the designation of Canopy Road. You will find signatures of the property owners who are party to this request on the attached Excel spreadsheet. These signatures represent 53% of the residents on Karen St.

The trees along this road is scenic and provides the characteristic sense of place of Amelia Island. We have mature oaks that form a canopy over most of this street. It is critical that these trees be protected because of the many benefits they provide, including temperature moderation, protection from storm winds, storm water management, and protection of our property values. There is little traffic on these streets, and therefore designation of these streets as Canopy Roads presents little potential risk to vehicles in the future.

Please let us know what additional information you need from us to further this application.

Sincerely,

Judy Beal (Nassau Co Resident)
5014 Karen Street
Fernandina Beach, FL 32034



NASSAU COUNTY
DEPARTMENT OF PLANNING
AND ECONOMIC OPPORTUNITY
FLORIDA

STAFF REPORT
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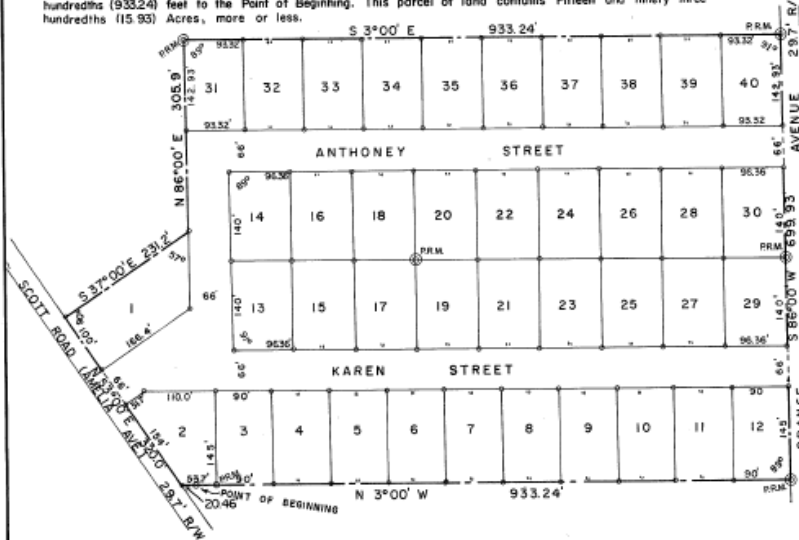
Attachment D - Plat of the Belle Glade Subdivision

PLAT BOOK 3 PAGE 55

BELLE GLADE

CAPTION

All of those certain lots, pieces, or parcels of land situated, lying, and being in Section Fifteen (15) township Two (2) North, Range Twenty Eight (28) East, County of Nassau, and State of Florida, and further known and described as the West Half (W/2) of Lot Eleven (11), all of Lot Twelve (12), and the Westerly part of Lot Fourteen (14) of a Subdivision of part of said Section Fifteen (15) as surveyed by J. Henry Sams and recorded in Deed Book "A" at page One Hundred Twenty Eight (128) of the public records of said Nassau County, Florida, and more particularly described by metes and bounds as follows: BEGINNING at the Northwest (NW) corner of said Lot Twelve (12); thence North Three Degrees West (N3°00'W) along the West line of said Lot Fourteen (14), a distance of Twenty and forty-six hundredths (20.46) feet to a point on the Southeast right-of-way line of Scott Road (formerly Amelia Avenue) (29.7' R/W); thence North Fifty Three Degrees East (N53°00'E), along said right-of-way line of Scott Road a distance of Three Hundred Twenty (320.0) feet to a point; thence South Thirty Seven Degrees East (S37°00'E) a distance of Two Hundred Thirty One and two tenths (231.2) feet to a point on the Northerly line of said Lot Twelve (12); thence North Eighty Six Degrees East (N86°00'E) along the Northerly line of said Lot Twelve (12), a distance of Three Hundred Five and nine tenths (305.9) feet to a point; thence South Three Degrees East (S3°00'E) a distance of Nine Hundred Thirty Three and twenty-four hundredths (933.24) feet to a point on the Southerly line of said Lot Eleven (11) and the Northerly right-of-way line of Orange Avenue (29.7' R/W); thence South Eighty Six Degrees West (S86°00'W) along the said right-of-way line of Orange Avenue, a distance of Six Hundred Ninety Nine and ninety-three hundredths (699.93) feet to a point at the Southwest (SW) corner of said Lot Twelve (12); thence North Three Degrees West (N3°00'W) along the Westerly line of said Lot Twelve (12) a distance of Nine Hundred Thirty Three and twenty-four hundredths (933.24) feet to the Point of Beginning. This parcel of land contains Fifteen and ninety three hundredths (15.93) Acres, more or less.



THIS IS TO CERTIFY that this Plat is a true and correct representation of the land surveyed and plotted and described and that Permanent Reference Marks have been placed at points marked P.R.M. according to the Laws of the State of Florida.

Signed this the 10th Day of January A.D., 1957

SCALE: 1"=100'

Hugh M. Hight, Registered Land Surveyor No. 1051

ADOPTION AND DEDICATION

THIS IS TO CERTIFY that we the undersigned Myron H. Hammond and Myrtle T. Hammond, Husband and Wife respectively, are the lawful owners of the land described in the CAPTION of this plat, and that we have caused the same to be surveyed and subdivided and this plat made in accordance with said survey is hereby adopted as true and correct. All streets are hereby irrevocably dedicated to the use of the public. In witness whereof we have hereunto affixed our hands and seals this the 11th Day of January A.D. 1957.

Signed and sealed in presence of

Alice J. Hall, Witness
Hugh M. Hight, Witness
Myron H. Hammond, Owner
Myrtle T. Hammond, Owner

STATE OF FLORIDA, COUNTY OF NASSAU:

I HEREBY CERTIFY that on this 11th Day of January A.D. 1957 personally appeared before me Myron H. Hammond and Myrtle T. Hammond, Husband and Wife respectively, as owners of the land described in the CAPTION hereof, to me well known and known to be the persons described in and who executed the foregoing dedication of Street Rights-of-Way on this plat and severally acknowledged the execution thereof to be their free act and deed as owners, for the uses and purposes herein stated. Witness my signature and official seal at the City of Fernandina Beach, Florida this the 11th Day of January A.D. 1957.

Paul Johnson, Notary Public State of Florida at large.
My commission expires July 19, 1957

EXAMINED AND APPROVED this 16th Day of January A.D. 1957 by the Board of County Commissioners, Nassau County, Florida.

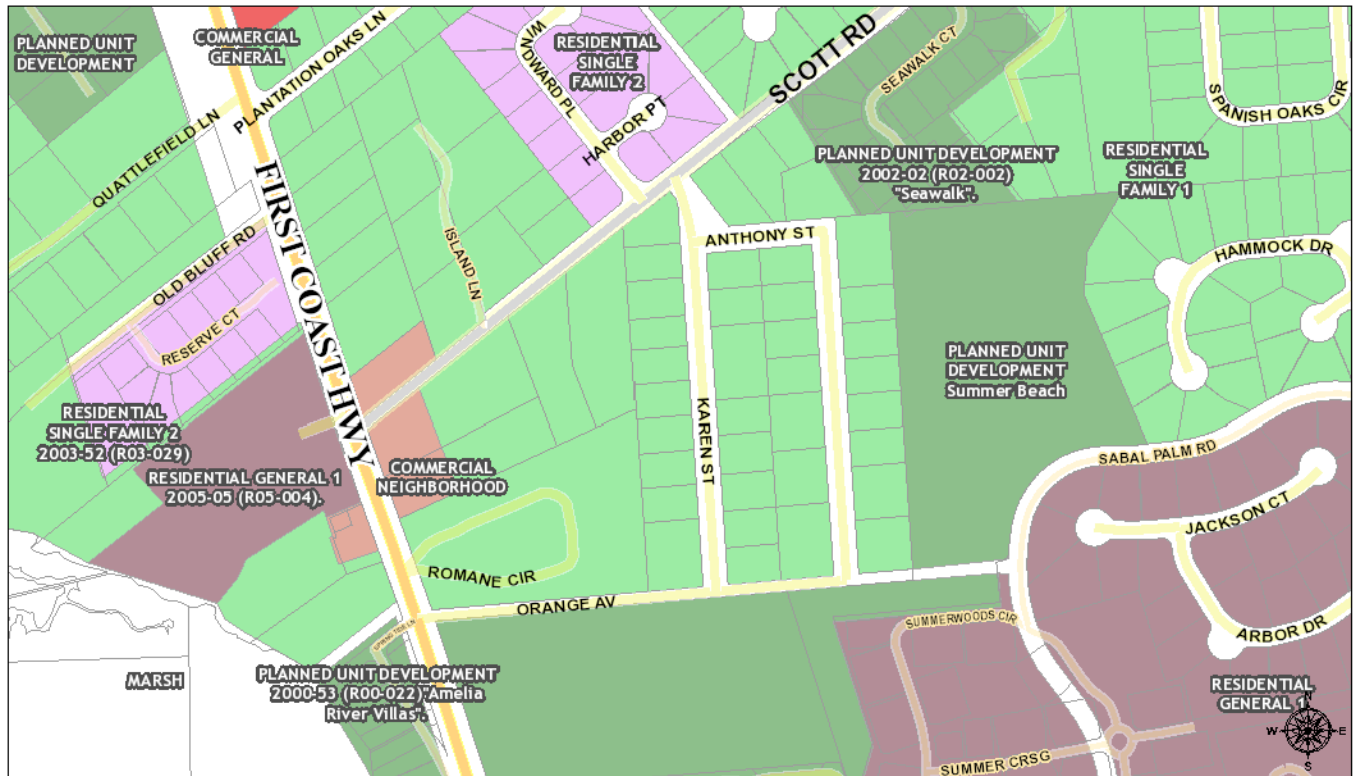
W. M. Gaspin, Chairman
J. W. Brown, Clerk

I HEREBY CERTIFY that this plat has been examined and that it complies in form with Chapter No. 10275 of the Laws of the State of Florida, General Acts of 1925 A.D. and is filed for Record and Recorded in Plat Book 3 at page 55 of the Public Records of the County of Nassau and State of Florida, this the 16th Day of January A.D., 1957.

J. W. Brown, Clerk of Circuit Court, Nassau County, Florida



Attachment E - Zoning map
Zoning



June 25, 2019

1:4,514
0 0.0375 0.075 0.15 mi
0 0.05 0.1 0.2 km
Sources: Esri, HERE, Garmin, USGS, Intermap, INCREMENT P, NRCan, Esri Japan, METI, Esri China (Hong Kong), Esri Korea, Esri (Thailand), NGCC, (c) OpenStreetMap contributors, and the GIS User Community

2019

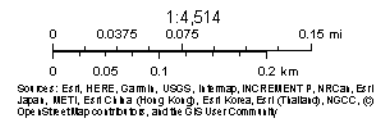


Attachment F - Future Land Use Map (FLUM)

FLUM



June 25, 2019



2019



Attachment G - Site Visit Notes - February 26, 2019

Karen Road Canopy Designation

Site Visit 2-26-19 Notes

Sue Ann Allegor and Rebecca Jordi UF/IFAS, Certified arborist.

This visit was an initial visit to determine what trees are within the 66' wide ROW.

Ms. Jordi inspected trees and understory estimated to be within the ROW with respect to tree health, safety and maintenance.

Observations:

1. Several trees have been 'lion tailed', a pruning method which increases the instability of the tree by removing mass close to the trunk and leaving mass at the ends of branches which increases the likelihood of branch failure. Young branches are sprouting on those trees and if allowed to fill in will could naturally balance the tree and improve the ability to withstand high winds. Ideally, some of the new sprouts should be removed but most should remain to increase foliage weight along the total branch. <https://hort.ifas.ufl.edu/woody/lions-tailed.shtml>
2. Several trees need slight pruning to reduce the weight on branch extremities and increase tree stability. Removal of circling/girdling on trees – especially at the root plate.
3. Several trees are surrounded by groundcover plantings or turf, and irrigation which are negatively affecting tree health. (BMP are to leave 3x trunk width i.e. if a tree has a dbh of 10" or more, do not underplant within 30" of the trunk base).
4. Vacant or undeveloped parcels contain aggressive invasive species which are detrimental to tree health. Florida Exotic Plant Pest Council (FLEPPC) have Category I and II lists. We really should have none of these on County property:
 - a. Category I (most serious issue):
 - i. Boston fern: <https://plants.ifas.ufl.edu/plant-directory/nephrolepis-cordifolia/>
 - b. Category II:
 - i. Creeping oxeye or Wedelia: <https://plants.ifas.ufl.edu/plant-directory/sphagneticola-trilobata/>
 - ii. Elephant ear: <https://plants.ifas.ufl.edu/plant-directory/xanthosoma-sagittifolium/>

Considerations for moving forward:

1. ID, location and health survey of protected trees are in ROW
2. Aggressive invasive species removal
3. Pruning for health and safety; removal of dead limbs
4. Determination of who is responsible for health and safety regarding trees in ROW
5. General need for education regarding tree and plant health



Attachment H - Tree Survey

Belle Glade Canopy Trees
(Karen Street)

May 23, 2019

Tree ID No.	Size (D.B.H.)	Scientific Name	Common Name	Protected	Form	Status 1	Status 2	Remarks
2	42", 36", 36", 40"	Quercus virginiana	live oak	Yes	Minor Asymmetry	Fair to Poor	3	Co-dominant Trunks; Loose Bark; Bulges
3	63", 21"	Quercus virginiana	live oak	Yes	Major Asymmetry	Poor	4	Cavities, Decay; Lean; Included Bark; Vines; Growth in One Direction; Dead Stem
4	7"	Franklinia lasianthus	Isle Royale Bay	No	Generally Symmetric to Minor Asymmetry	Good	2	Poorly Pruned Due to Utility Lines
5	36", 40"	Quercus virginiana	live oak	Yes	Major Asymmetry	Fair	3	Co-Dominant Trunks; Some Decay on Branches 20' & Up Previously Co-dominant at 31', But Has Been Pruned;
6	36"	Quercus virginiana	live oak	Yes	Minor Asymmetry	Fair to Good	2	Forks @ 10-12';
7	19"	Quercus virginiana	live oak	Yes	Major Asymmetry	Fair to Good	2	Slight Lean
8	19"	Quercus virginiana	live oak	Yes	Minor Asymmetry	Good	2	Vine @ Trunk Base
9	18", 20"	Quercus virginiana	live oak	Yes	Minor Asymmetry to Major Asymmetry	Fair to Poor	3 to 4	Large Cavity at Base & Up the Trunk; Co-dominant @ DBH; Lean; Decay
10	28"	Quercus virginiana	live oak	Yes	Minor Asymmetry to Major Asymmetry	Good	2	Slight Lean
11	20"	Quercus virginiana	live oak	Yes	Minor Asymmetry to Major Asymmetry	Good	2	Decayed Branch
12	17"	Quercus nigra	water oak	No	Major Asymmetry	Poor	4	Branching Stems & Dead Ends; Covered in Vines
13	6"	Magnolia grandiflora	Southern Magnolia	Yes	Generally Symmetric	Good to Excellent	1	Some Minor Vines
14	28"	Quercus laurifolia	laurel oak	Yes	Minor Asymmetry to Major Asymmetry	Good	2	Slight Lean; Dead Limbs
15	18"	Quercus laurifolia	laurel oak	Yes	Minor Asymmetry to Major Asymmetry	Poor	4 to 5	Co-Dominant Trunk Rotted Out @ Base; Decay @ Base; Lean; Wrapped in Vines; Poor Foliage
16	30"	Quercus virginiana	live oak	Yes	Minor Asymmetry to Major Asymmetry	Good	2	Slight Lean; Pruned for Overhead Lines
17	31"	Quercus virginiana	live oak	Yes	Minor Asymmetry to Major Asymmetry	Fair to Good	2	Slight Lean; Weak Canopy due to Competition
18	31"	Quercus virginiana	live oak	Yes	Minor Asymmetry	Fair to Good	2	Swollen Areas; Vine Running Up Trunk; Overhead Lines Running Through Fork in Tree
19	28"	Quercus virginiana	live oak	Yes	Minor Asymmetry to Major Asymmetry	Fair	3	Vines; Dead Limbs
20	24"	Quercus virginiana	live oak	Yes	Minor Asymmetry	Good	2	
21	30"	Quercus virginiana	live oak	Yes	Minor Asymmetry	Good	2	Forks @ 10'; Minor Included Bark
22	24"	Quercus virginiana	live oak	Yes	Minor Asymmetry to Major Asymmetry	Good	2	Slight Lean; Curves in One Direction



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Attachment H - Tree Survey

Belle Glade Canopy Trees
(Karen Street)

May 23, 2019

Tree ID No.	Size (D.B.H.)	Scientific Name	Common Name	Protected	Form	Status 1	Status 2	Remarks
23	19"	Quercus virginiana	live oak	Yes	Major Asymmetry	Fair to Good	2	Very Little Root Flare @ Base; Grows in One Direction; Competition
24	19"	Quercus virginiana	live oak	Yes	Minor Asymmetry to Major Asymmetry	Good	2	Very Little Root Flare; Slight Lean; Forks @ 15'; Some Dead Limbs
25	37"	Quercus virginiana	live oak	Yes	Minor Asymmetry	Good	2	Some Decay @ Pruned Branches; Some Dead Twigs; Small Retaining Wall for Grade Change
26	9"	Quercus virginiana	live oak	Yes	Major Asymmetry	Poor	4	Weak Root Flare; Some Decay @ Base; Decay & Hollowed-out Trunk
27	48"	Quercus virginiana	live oak	Yes	Minor Asymmetry to Major Asymmetry	Poor	4	Forks @ 5.5'; Hollowed-out Cavities; Dead Branches
28	16"	Quercus virginiana	live oak	Yes	Minor Asymmetry to Major Asymmetry	Fair to Good	2	Missing Bark in Areas
29	7"	Magnolia grandiflora	Southern Magnolia	Yes	Minor Asymmetry	Good	2	Slight Lean
30	19"	Quercus virginiana	live oak	Yes	Minor Asymmetry to Major Asymmetry	Fair	3	Missing Bark; Decay
31	14"	Quercus virginiana	live oak	Yes	Minor Asymmetry to Major Asymmetry	Fair	3	Root Flare Covered; Competition
32	12"	Quercus virginiana	live oak	Yes	Minor Asymmetry to Major Asymmetry	Good	2	Small Cavity @ Old Branch
33	7"	Quercus virginiana	live oak	Yes	Minor Asymmetry to Major Asymmetry	Good	2	Slight Lean
34	15"	Quercus virginiana	live oak	Yes	Minor Asymmetry to Major Asymmetry	Good	2	Lean & Growing in One Direction
35	9"	Quercus virginiana	live oak	Yes	Minor Asymmetry to Major Asymmetry	Good	2	
36	13"	Quercus laurifolia	laurel oak	Yes	Minor Asymmetry to Major Asymmetry	Good	2	Large Cavity Going up Trunk
37	8"	Quercus virginiana	live oak	Yes	Minor Asymmetry	Good	2	
38	18"	Quercus virginiana	live oak	Yes	Minor Asymmetry to Major Asymmetry	Good	2	Fork @ 12'; Slight Lean
39	13"	Quercus virginiana	live oak	Yes	Minor Asymmetry to Major Asymmetry	Good	2	Slight Lean
40	9"	Quercus laurifolia	laurel oak	Yes	Minor Asymmetry	Fair to Good	2	Swollen Areas; Very Slight Lean
41	24", 40", 30"	Quercus virginiana	live oak	Yes	Generally Symmetric to Minor Asymmetry	Fair	3	Root Collar Buried Slightly; Missing Bark; Dead Branches
42	18"	Quercus virginiana	live oak	Yes	Minor Asymmetry to Major Asymmetry	Good	2	Weak Canopy Due to Competition
43	20"	Quercus virginiana	live oak	Yes	Major Asymmetry	Fair to Poor	3	Severe Lean; Growth in One Direction; Inappropriately Pruned



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Attachment H - Tree Survey

Belle Glade Canopy Trees
(Karen Street)

May 23, 2019

Tree ID No.	Size (D.B.H.)	Scientific Name	Common Name	Protected	Form	Status 1	Status 2	Remarks
44	21"	Quercus laurifolia	laurel oak	Yes	Minor Asymmetry to Major Asymmetry	Good	2	Slight Girdling Roots; Slight Lean
45	78", 31"	Quercus virginiana	live oak	Yes	General Symmetric	Good	2	Root Collar Buried; Forked Above D.B.H.; Swollen Acreas; Third Trunk was Pruned
46	16"	Magnolia grandiflora	southern magnolia	Yes	Minor Asymmetry	Good	2	Competing with Live Oak
47	18"	Quercus laurifolia	laurel oak	Yes	Generally Symmetric to Minor Asymmetry	Good to Excellent	1	
48	14"	Quercus laurifolia	laurel oak	Yes	Minor Asymmetry to Major Asymmetry	Good	2	Lean & Growing in One Direction
49	18"	Magnolia grandiflora	Southern Magnolia	Yes	Generally Symmetric to Minor Asymmetry	Good	2	Slight Lean; Stem or Branch @ Base (5")
50	27", 18"	Quercus virginiana	live oak	Yes	Minor Asymmetry to Major Asymmetry	Fair to Good	2	Girdling Roots; Both Co-Dominant Trunks have a Slight Lean; 3rd Trunk Dieback/Dead
51	44", 20", 12"	Quercus virginiana	live oak	Yes	Minor Asymmetry to Major Asymmetry	Good	2	All Trunks have Some Lean; Some Dead Limbs or Branches
52	26"	Quercus virginiana	live oak	Yes	Minor Asymmetry to Major Asymmetry	Fair	3	Some Bulges
53	26"	Quercus virginiana	live oak	Yes	Generally Symmetric to Minor Asymmetry	Good	2	Hollow Cavity @ Base; Slight Lean
54	24"	Quercus virginiana	live oak	Yes	Generally Symmetric to Minor Asymmetry	Good	2	Cavity @ Base; Fork @ 12'
55	18", 7"	Oak virginiana	live oak	Yes	Minor Asymmetry to Major Asymmetry	Fair	3	Included Bark @ Base; Medium Lean
56	31"	Quercus virginiana	live oak	Yes	Minor Asymmetry	Good	2	Minor Cavity & Decay @ Base
57	28"	Magnolia grandiflora	Southern Magnolia	Yes	Minor Asymmetry	Good	2	Minor Cavities @ Base
58	36"	Quercus virginiana	live oak	Yes	Minor Asymmetry to Major Asymmetry	Good	2	Girdling Roots
59	30"	Quercus virginiana	live oak	Yes	Generally Symmetric to Minor Asymmetry	Good	2	Small Cavity @ Base; Slight Lean; Base
60	12"	Quercus virginiana	live oak	Yes	Generally Symmetric	Good	2	Girdling Root; Very Slight Lean
61	12", 7", 8"	Fraxinus spp.	Fraxinus spp.	Yes	Generally Symmetric	Good	2	Some Girdling Roots; Small Cavity @ Base
62	43"	Quercus virginiana	live oak	Yes	Generally Symmetric to Minor Asymmetry	Fair	3	Medium Lean; Vines; Forks @ 10'
63	32"	Quercus laurifolia	laurel oak	Yes	Minor Asymmetry to Major Asymmetry	Poor	4	Larger Cavity @ Base; Larger Dead Limb & Dieback
64	28"	Quercus virginiana	live oak	Yes	Minor Asymmetry to Major Asymmetry	Good	2	Minor Girdling Roots; Forks @ 12'



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Attachment H - Tree Survey

Belle Glade Canopy Trees
(Karen Street)

May 23, 2019

Tree ID No.	Size (D.B.H.)	Scientific Name	Common Name	Protected	Form	Status 1	Status 2	Remarks
65	28"	Magnolia grandiflora	southern magnolia	Yes	Generally Symmetric	Fair to Poor	3	Girdling Roots; Some Small Cavities in Trunk; Bulges in Trunk; Leaf Spot & Discoloration
66	15"	Quercus laurifolia	laurel oak	Yes	Minor Asymmetry	Fair to Good	2	Minor Girdling Roots; Limb Dieback
67	18"	Quercus laurifolia	laurel oak	Yes	Major Asymmetry	Fair	3	Minor Girdling Root; Strong Root Anchor to One Side Because of Lean; Over Pruned for Overhead Lines
68	42"	Quercus virginiana	live oak	Yes	Major Asymmetry	Poor	4	Decay @ Base & Up Trunk 6'±; Vines; Dieback
69	26"	Quercus laurifolia	laurel oak	Yes	Major Asymmetry	Poor	5	Stronger Roots @ One Side Because of Lean; Poison Ivy Vines; Dead Limbs; Dieback
70	48"	Quercus virginiana	live oak	Yes	Minor Asymmetry	Fair to Good	2	Medium Lean; Vines; Forks @ 10'±; Bulges



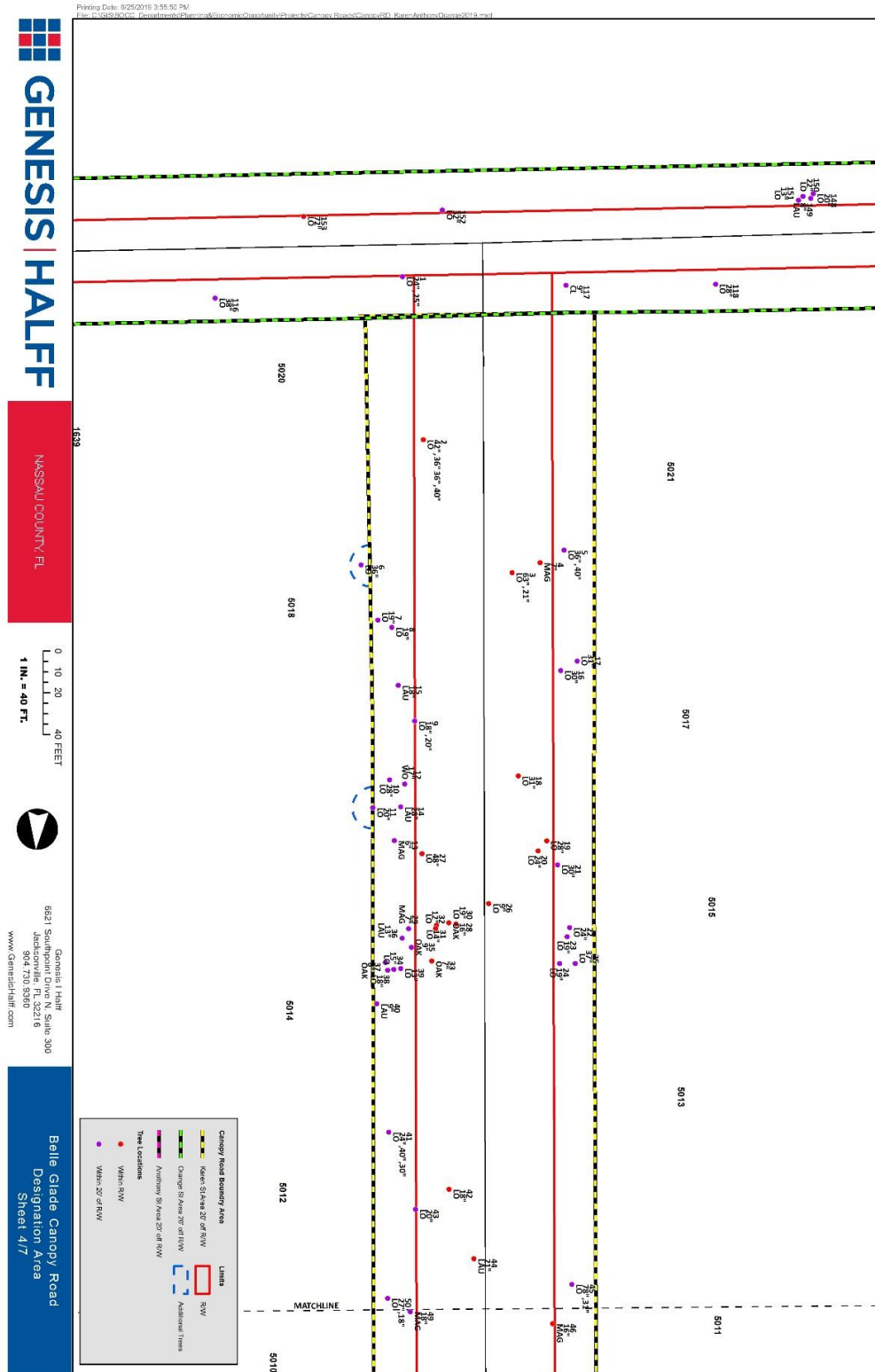
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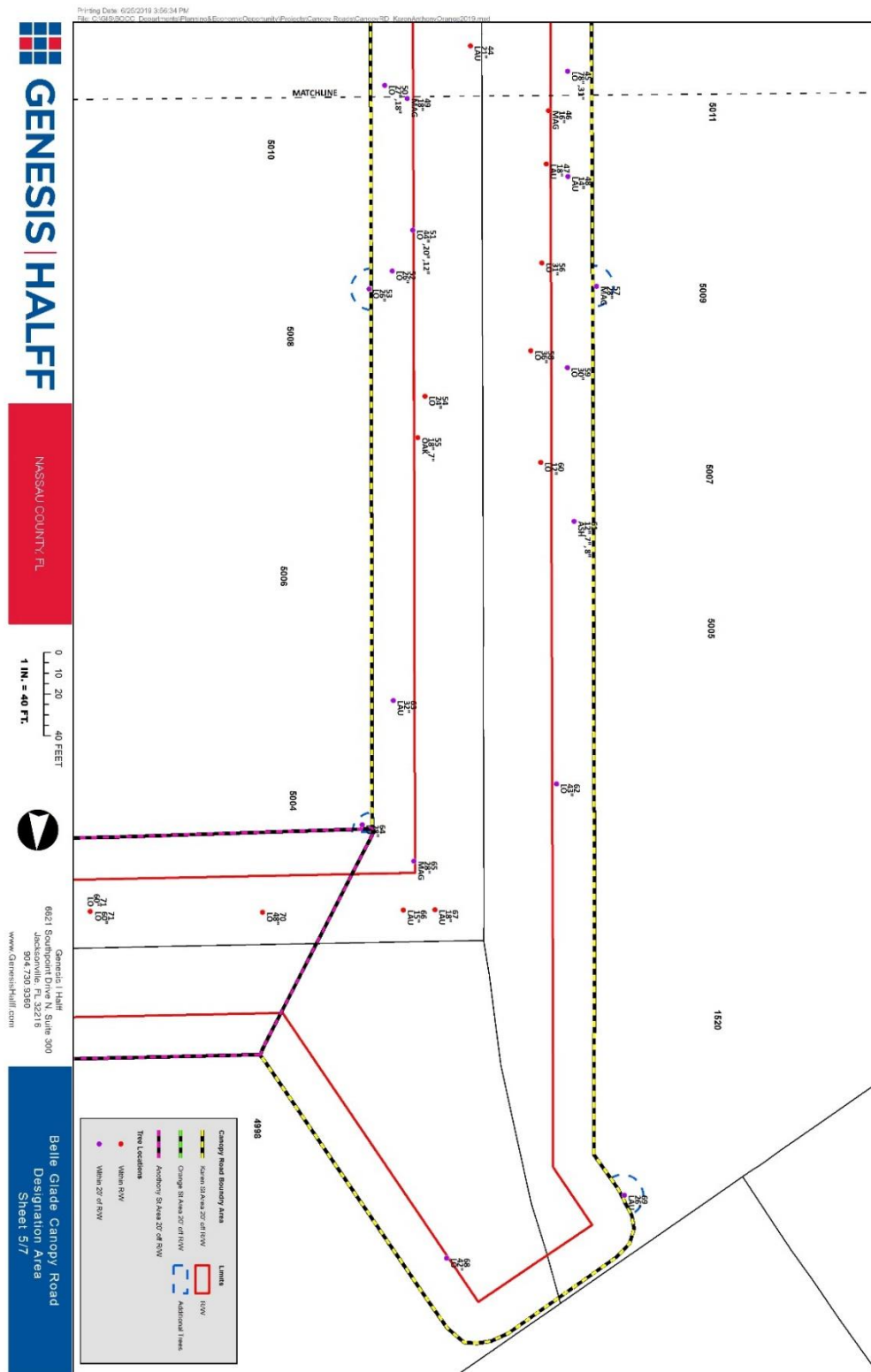


Attachment I - Proposed Canopy Road Designation Area Map





Attachment I - Proposed Canopy Road Designation Area Map





Attachment J– List of parcels affected by Canopy Road Designation

List of parcels affected by the Ordinance:

00-00-30-0140-0001-0000
00-00-30-0140-0002-0000
00-00-30-0140-0003-0000
00-00-30-0140-0004-0000
00-00-30-0140-0005-0000
00-00-30-0140-0006-0000
00-00-30-0140-0007-0000
00-00-30-0140-0008-0000
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