

# **Jacksonville Tree Commission**

**Wednesday April 20, 2022 – 9:30 AM**  
**Ed Ball Building, 10<sup>th</sup> Floor, Conference Room 5**  
**and Zoom**

**Commissioners:** Chris Flagg, Chair  
Curtis Hart, Vice Chair  
Ron Salem  
John Pappas  
Mike Robinson  
Rhodes Robinson  
Susan Fraser

**Advisors:** Susan Grandin  
Dalton Smith  
Jose Regueiro

**Staff:** Cindy Chism

## **AGENDA - Revised**

*Order of Agenda is Subject to Change*

- 1. Call to Order - Chair**
- 2. Roll Call and Verification of Quorum – Cindy Chism**
- 3. Submittal of Speaker’s Cards – Chair**
  - a) A raised hand icon as well as waving at the screen will be acknowledged by Chair or Ms. Chism.
  - b) For those attending in person, paper speakers’ cards will be available.
- 4. Reports:**
  - a) Fund balance and encumbrance report for 15(F) (Ordinance Tree Fund), 15(N) (Charter Tree Fund) and BJP (Attachment A) – Jose Regueiro
  - b) Status of Pending Level 2 Tree Projects (Attachment B) – Justin Gearhart
  - c) Fund Status of 630-CITY, Remove & Replace and Level 2 Programs– Dalton Smith
- 5. Action Items:**
  - a) Approval of Minutes from March 23, 2022 meeting – Chair
  - b) Proposed Level 2 Project(s)
    - i. District 5 Tree Planting Project (Attachment C)– Kathleen McGovern
      1. Presentation
      2. Public Comment
      3. Vote

## **6. Old Business**

- a) Level 3 Program Document Revisions Workshop is scheduled for Thursday April 28th– Susan Grandin/Fred Pope
- b) Update on Proactive/Preventative Tree Maintenance Program – Dalton Smith
- c) Urban Forestry Funding
  - i. Change Level 2 legislation to allow Staff to submit Tree Planting Projects, OR
  - ii. Design another Tree Planting program solely for Staff use.

## **7. New Business**

- a) Pittman Letter re: Palm Trees (Attachment D) – Buck Pittman
- b) JEA Maintenance Plan (Attachments E & F) – Joe Anderson
- c) Introduction of Proposed Plan to Implement Project Priority Duty of the Tree Commission (Action-May 2022) – Susan Fraser

## **8. Public Comment**

- 9. **Adjournment** – the next meeting is Wednesday, May 18<sup>th</sup> and will be a Hybrid/Zoom meeting in Ed Ball Building, 10<sup>th</sup> Floor, Public Works Office, conference room 5.

Jacksonville Tree Commission  
Wednesday April 20, 2022 – 9:30 AM  
**Approved May 18, 2022**  
Via Zoom Platform & In Person

**Commissioners  
Present:**

Chris Flagg, Chair  
Curtis Hart, Vice Chair  
Mike Robinson  
CM Ron Salem  
John Pappas  
Susan Fraser  
Rhodes Robinson via ZOOM

**Staff:** Cindy Chism

**Public:** Joe Anderson, JEA  
Kathleen McGovern, COJ  
Fred Pope, COJ  
Tracey Arpen, Scenic Jax  
Kelly O’Leary, Liberty Landscape  
Mike Zaffaroni, Liberty Landscape  
Dave McDaniel, COJ  
John November, Public Trust  
John November, Public Trust  
Buck Pittman, Pittman Landscape  
John Nooney, Citizen

**Advisors:**

Susan Grandin, OGC  
Dalton Smith, Urban Forestry  
Jose Regueiro, Finance, via Zoom

1. **Call to Order** – Chair
2. **Roll Call and Verification of Quorum** – Cindy Chism
3. **Submittal of Speaker’s Cards** – Chair
  - a) A raised hand icon as well as waving at the screen will be acknowledged by Chair or Ms. Chism.
  - b) For those attending in person, paper speakers’ cards are available.
4. **Reports:**
  - a) Fund balance and encumbrance report for 15(F) (Ordinance Tree Fund), 15(N) (Charter Tree Fund) and BJP (Attachment A) – Jose Regueiro
    - i. Mr. Regueiro advised the Commission he was going to revise the current spreadsheets to be more like a standardized financial packet. The new report will present the cash and liabilities in one section as a fund balance so it will show as one picture. Then revenues and expenses in another section. These will be done for both funds.
    - ii. Activity for 15305 is very low, it’s mostly a revenue collector with a few expenditures.
    - iii. Looking at the available balance summary which is what is on the Tree Mitigation page, it ties out within a couple of thousand dollars to \$22 million. But the BJP funds, \$1.7 million, have had no activity. It was funded in 2019 and is supposed to end in September of 2022, which I will discuss with Teresa Eichner. However, in reviewing these projects, there is still quite a bit of money which is authorized but not spent. Going forward if we could highlight these funds which are authorized and require no further paperwork for use, or let’s move to redeploy them for usage.
    - iv. Using trend as a tool to monitor revenues and expenses. Typically, cash is not used as a trend model in this situation. There is quite a lot of money so that presented alone is a better snapshot what the trend is going to look like going forward in the next couple of months. There will be a spike in expenses, and everyone knows why. Mr. Hart pointed out that he doesn’t know why the expenses

will go up. Currently the report is a mixture of a balance sheet and a financial statement with the budget and actuals within it to try to get to a number. It's understandable why it was initially done that way but for the Commission to get a better perspective what the financial position looks like emphasis on other aspects of the financial package will give you more tools to work with.

- v. Mr. Pappas asked is there an expiration date on the BJP funds? These funds were paid because of BJP road projects which removed trees. There should be no expiration date. Mr. Regueiro said the project module is a 3-year project.
  - vi. Mr. Hart requested less acronyms. The information on the reports should reflect how much money we have, how much did we receive in the previous period, how much have we spent, how much is committed to a project. The report should be very easy to understand and basic; money in and money out, and the obligations what's available to spend.
  - vii. Mr. Regueiro will redesign the report to reflect what has been requested and present a draft at the next meeting. Mr. Hart pointed out the BJP funds were paid into the fund for mitigation but they are not restricted perhaps these funds should be merged into either 15N or 15F. Mr. Pappas pointed out the reason these funds were noted separately was to ensure clarity for BJP project mitigation.
- b) Status of Pending Tree Projects (Attachment B) – Dalton Smith**
  - c) Fund Status of 630-CITY, Remove & Replace and Level 2 Programs– Dalton Smith**
    - i. 630-CITY has \$1,580,065 remaining, Level 2 has \$2,312,713 and Remove and Replace has \$806,000.

## **5. Action Items:**

- a) Approval of Minutes from March 23, 2022 meeting – Chair**
  - i. Motion to approve made by Mr. Pappas, seconded by Mr. M. Robinson, none opposed.
- b) Proposed Level 2 Project(s)**
  - i. District 5 Tree Planting Project (Attachment C)– Kathleen McGovern
    - 1. Presentation – This project does have a lot of trees but isn't very complicated. It began with the playground construction at Crabtree Park, then residents requested trees in Verona Park. The project then expanded to other playgrounds, trails, and walks. Working with Parks Maintenance Staff in District 3 who oversees these parks.
      - i. Ms. Fraser commented this is a great way to maximize efficiency in getting all these installed at once. When it comes to pricing, was there an all-at-once mobilization or will they be done sequentially, how can we make that work for us.
      - ii. Ms. McGovern said the project will go out to bid for 1 year warranty and lowest bidder will be selected. The Commission will be informed of the selection and costs. Mr. Hart suggested getting costs for 1 year and 2 year. Ms. McGovern agreed and added Mr. Pope is working on a continuous contract for 1 year.
      - iii. Mr. Pappas asked if the Inwood Terrace Pond project was run through our maintenance group? Ms. McGovern said no it has not. Mr. Pappas continued, please speak with them,

and make sure what you are proposing will not be a problem for maintaining and accessing the pond. Ms. McGovern agreed to speak with them.

- iv. Ms. Grandin asked Mr. Pappas if there was some distance from the water which shouldn't be mowed? Mr. Pappas said the Public Works safety standard is a 5 foot buffer to letting it grow naturally in an effort to stop children from playing or getting near the water. Ms. Grandin asked if planting trees which grow in water would help. Mr. Pappas said we still need to get to the water to clean the pond as necessary.
  - v. Ms. Fraser asked about planting 4" trees versus 3". Ms. McGovern said the 4" gives a much larger tree to begin with, the price difference is not that much and because a lot of the trees are being planted in playgrounds, there will be shade sooner rather than later. When it goes out to bid, the numbers may be reasonable and it won't make much difference between the usual 3" and 4". Would the Commission like to address it when the numbers come in? Ms. Fraser asked if we should include 3" in the bid? Ms. McGovern agreed to do so.
  - vi. Ms. Fraser asked about the trees being planted in the ROW, which are DOT Specs which means they have 6-8 foot clear trunk depending on the travel lane, are these that specification or more for parks. Ms. McGovern said that specification is not required.
  - vii. Mr. Flagg asked if there was a staking detail, any issues related to it and maintenance? Ms. McGovern said the over the root ball staking is what is being used, it is unseen and biodegradable and works very well.
2. Public Comment
- i. Mr. Pope said Ms. McGovern would set up the bid for 3" and 4" and then select which to use.
  - ii. Mr. November asked about the use of Redbud and Flowering Dogwood, they struggle somewhat. Ms. McGovern agreed but said in this particular park in which they will be used there is canopy already so they will be understory. It is also damp which is beneficial. Mr. Flagg asked for a report back on how these trees are doing.
3. Vote – Motion made to approve the Project with the caveat to include 3" and 4" caliper trees as well as 1 year and 2 year warranties to be brought back to the Commission for final approval, by Ms. Fraser, seconded by Mr. Pappas, none opposed. Mr. Hart suggested if the bids come back before the next meeting to email them to the Commission.

## 6. Old Business

- a) Level 3 Program Document Revisions Workshop is scheduled for Thursday April 28<sup>th</sup> to be chaired by Mr. M. Robinson – Susan Grandin/Fred Pope
  - i. Ms. Grandin asked if there is a quorum at the workshop should we not just vote and be done. Mr. Hart pointed out that workshops typically do not take action. The vote can be taken at the next Tree Commission meeting.
  - ii. Ms. Grandin suggested making it a Special Meeting instead of Workshop. If the people understand that something may get voted on at a Special Meeting and not a Workshop, we should call it that.

- Mr. Flagg pointed out that at a workshop, you work through issues and items. If it's a Special Meeting, the target is to vote on something.
- iii. CM Salem pointed out we've been calling it a workshop all along, if we change the name, the optics aren't good.
  - iv. Mr. Hart added, we've been doing this for 3 years, what's 1 more month. No reason to be in a hurry on the last leg.
  - v. Mr. Arpen pointed out that there will be final language to be worked out, it's doubtful there will be document in front of the attendees at the end of the workshop.
  - vi. Mr. Flagg suggested leaving it as a workshop, in person only a vote to be taken at the appropriate Tree Commission meeting.
- b) Update on Proactive/Preventative Tree Maintenance Program – Dalton Smith**
- i. Mr. Smith did reach out to other cities on what their maintenance programs are. 3-4 cities did respond, Savannah, Palm Coast, and Atlanta. All the cities have some sort of preventative maintenance, e.g., all of Savannah falls under preventative cycle pruning.
  - ii. The questions then asked were regarding how they handled it per mile, or per hour. So far it sounds like a combination of both with the cities that responded so far. Most bid out or have a cycle based on the size of the trimming & pruning they do. Savannah had different size categories, their squares, thoroughfares, different roads. It appeared that's how it was set up across the board.
  - iii. Perhaps we could do 2 pilots; a 1 mile pilot to see what can be accomplished and bid that out and see what price we get back. Which road hasn't been determined yet, perhaps use Trout River blvd., but the details need to be ironed out. We would use before and after pictures, something we can do a direct comparison to say this is what we can get for proactive preventative maintenance on this whole mile for X dollars.
  - iv. Mr. Pappas asked if the cities which responded provided the standards they use for their proactive effort. Mr. Smith said, not specifically, which was something to follow-up with. There are ANSI standards which can be used in our bid which we will put together in the next few weeks. Mr. Pappas continued, did the cities that responded give the timeframes they used; were they once every 2 months, once per quarter, once per year.
  - v. Mr. Smith said Savannah prunes every city tree every 6-7 years, which is the highest standard to follow. Since they have been maintaining their trees for years, it's less expensive than just beginning a maintenance plan.
  - vi. Mr. McDaniel said the grid we use for collecting debris from the hurricanes is a good way to track the tree trimming as well. There is a meeting with ETM to discuss giving us a shape file with a proactive tree trim layer within cardiograph. There is a plan we just need to work out the details. We would like to see it get in the budget if we can get numbers fast enough. Mr. Pappas pointed out the grids need to be prioritized.
  - vii. Mr. November pointed out Jacksonville has so much variety that 1 mile will be an accurate sample. Mr. McDaniel said the plan is to do 2-3 different areas for the pilot to ensure as much variety as we can. Mr. Smith said he wants to do a pilot of a square area which needs trimming anyway, there are a lot of neighborhoods which need trimming to give us a number of what that would cost versus a main road like Trout River Blvd. The main part is the tracking, we don't know what to do unless we know what we have. The tracking system we are going to set up will be a huge help in measuring where we've been, what we need to do and how vast the area is. Hopefully we can extrapolate some kind of timeline every 10 years; main roads every 6; some number we need to find a baseline.

- viii. Mr. Arpen pointed out there are some types of tree maintenance required which don't fit into the per mile category, parks, public buildings. Perhaps these also should be included in the pilot as well. Mr. Smith added the biggest thing to nail down is what exactly we mean when we say preventative maintenance before we send anything out for bid.
  - ix. Ms. Fraser summed up the purpose of the pilot projects are to allow us to extrapolate those costs and apply them city-wide to like projects; to get a ball-park. When you start these projects, if you can set up the metrics of what you want to monitor be sure they are applicable city-wide. Because we are going from zero, the initial costs are going to be high but then in 5 years it should be lower and in 10 lower still. Using a 1 year cost to project far in the future, may not be wise, but the more information the better.
- c) Urban Forestry Funding – Dalton Smith**
- i. Change Level 2 legislation to allow Staff to submit Tree Planting Projects, OR
  - ii. Design another Tree Planting program solely for Staff use.
    - 1. Mr. Pappas said what the intent here is for staff to have access to funds to design a project to bring to the Tree Commission for authorization with no need to go through City Council for fund approval.
    - 2. Mr. Smith pointed out that City Staff cannot utilized the funds allocated to Level 2 projects unless they get a sponsor. If there was funding, staff would approach it like a Level 2, and bring it before the Commission for approval. City Staff cannot be a Level 2 Applicant.
    - 3. Mr. McDaniel said he has discussed with Ms. Grandin modifying, via ordinance, the Level 2 Program language to allow staff to apply for Level 2 projects. Staff would do it just like the applicant does now. Mr. Arpen agreed, revising the criteria to allow City Staff to propose projects seems smart.
    - 4. Ms. Grandin pointed out that the Parks Department brought a Level 2 project to the Tree Commission for approval, so this has already been done. If the legislation says "Agency" then the language may not need revision. Ms. Grandin will investigate. CM Salem volunteered to be the sponsor for any Level 2 Projects City Staff would like to propose.

## **7. New Business**

- a) Pittman Letter re: Palm Trees (Attachment D) – Buck Pittman**
- i. Ms. Grandin said this subject is included in the re-write of the Landscape regulations currently in progress. If you would like to get a Councilmember to sponsor just this change, we already have the language. The boots on the palm make the measuring inaccurate, what you said in your letter is correct. We still need to complete the revisions of the landscape regulations.
  - ii. CM Salem would like to meet with Ms. Grandin and Mr. Pittman for an explanation. Mr. Hart suggested after the meeting with CM Salem, the Commission should decide if we want to ask CM Salem to sponsor this change to the Landscape regulations at the next meeting.
- b) JEA Maintenance Plan (Attachments E & F) – Joe Anderson**
- i. Mr. Anderson said if anyone would like more detail, he would be happy to meet with them and share what they have learned.
- c) Introduction of Proposed Plan to Implement Project Priority Duty of the Tree Commission (Attachment G) (Action-May 2022) – Susan Fraser**

- i. Ms. Fraser volunteered to frame procedures to set project priorities for the Commission to sponsor projects. To set parameters for projects the Commission may want to pursue so Staff can work towards fulfilling that.
- ii. Page 2 of Attachment G are the duties of the enabling legislation grouped into objectives. So far, we are doing Objective 6 but not much of any of the others. Rather than try to do all at once, let's start with Objective 1. We are on target but to begin working on Objective 1, page 3 breaks down actions to begin.
- iii. Please review Attachment G and be prepared to discuss it at the May Tree Commission meeting.

**8. Public Comment –**

- a) John Nooney – Compliments to the Public Works crew who cleaned the drainage ditches on Pottsburg creek. I came to the Tree Commission regarding the clear cutting of the 3000 block of Parental Home Road at Pottsburg Creek. Also went to Environmental Protection Board, on the agenda was Anne Coglianese, the City's new Resiliency Officer. Groundwork Jacksonville, Kay Ehaz, has just planted many plants at Hogan's Creek, which floods all the time. It will be flooded out after the next big rain. Coordination with the groups must be done. Mr. Flagg suggested asking the new Resiliency Officer to come and speak with the Tree Commission.
- b) Ms. Fraser pointed out that educated programs are necessary; if there are flood plain management programs looking for trees to suck up water, we need to find those ways to use the funds to get "2 bangs for the buck." Do we make resiliency into a separate, larger thing and also incorporate it into this longer term vision. Mr. Flagg suggested keeping it to an introduction so Ms. Coglianese is aware of the Commission. Mr. Smith added, Mr. Leon had spoken with her right before he left.
- c) Ms. Chism will work on scheduling Ms. Coglianese to meet with the Tree Commission.

**9. Adjournment –** the next meeting is scheduled for Wednesday, May 18, 2022 at 9:30am and will be a Hybrid/Zoom meeting in Ed Ball Building, 10<sup>th</sup> Floor, Public Works Office, conference room 5.



## TREE MITIGATION CITY OF JACKSONVILLE

Tree Mitigation

### TREE REMOVAL PERMIT INFORMATION



Click here to search detailed information on Site Cleaning and Tree Removal Permits. In reviewing tree removal information on a specific permit, for "B" permits click on the Spec 2 tab, for "L" permits click on the Tree Mitigation tab

### TREE FUND CITY PLANTING PROJECTS



Click here to search detailed information about City Tree Fund Planting Projects.

### AVAILABLE FOR APPROPRIATION



15F (Ordinance) \$14,707,755.11  
15N (Charter) \$7,329,466.71  
Better Jacksonville Plan - Tree Mitigation Project \$1,717,826.00  
Total: \$23,755,047.82

### FILE AN ISSUE



Click here to report site cleaning or tree removal without a permit, or to request tree maintenance on public property. In the CARE System, select "Tree Remove or Landscape Violator" from the dropdown

Disclaimer: The AVAILABLE FOR APPROPRIATION information shown on this page is updated nightly from the City's financial records, but does not include any pending appropriations, or other financial transactions of the funds which have not been completed



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Version 1.0.0.3

March - \$23,030,550.18

Difference: \$724,497.64

Available Balance, Revenues, and Expenditures by month  
4/18/2022

15304-Tree Protection & Related Expenditures

	22-Apr	22-Mar	28-Feb	22-Jan	Dec-21	Nov-21	Oct-21	Sep-21	Aug-21	Jul-21	Jun-21	May-21	Apr-21
Cash	25,487,263	24,806,218.92	24,637,216	24,637,216	24,280,548	24,332,781	24,154,812	24,120,871	24,273,314	24,208,120	24,233,628	24,296,712	24,238,457
Liabilities	(4,686)	(4,696)					(69,370)	289,152	(18,566,131)	(18,566,131)	(18,566,131)	(18,566,131)	(11,748)
Budget	(15,933,978)	(15,933,978)	(15,933,978)	(15,931,766)	(15,931,766)	(15,931,766)	(15,931,766)	(18,566,131)	(18,566,131)	(18,566,131)	(18,566,131)	(18,566,131)	(18,566,131)
BUDGET RESERVE	3,701,030	3,701,030	3,701,030	3,701,030	3,701,030.21	3,701,030.21	3,701,030.21	3,701,030.21	3,701,030.21	3,701,030.21	3,701,030.21	3,701,030.21	3,701,030.21
Actual Expenditures	1,444,712.68	1,444,364.34	997,179.93	972,784.38	674,537.54	39,053.40	(5,299.51)	2,589,112.62	1,895,293.08	1,565,222.59	1,303,765.26	1,059,861.07	788,428.29
Net Budgeted Expenditures	(10,788,235.55)	(10,788,583.68)	(11,235,768.09)	(11,257,951.84)	(11,556,198.48)	(12,191,682.62)	(12,236,035.53)	(12,275,988.30)	(12,969,807.84)	(13,299,878.33)	(13,561,335.66)	(13,805,239.85)	(14,076,672.63)
Available Balance Total	14,699,027.31	14,012,939	13,401,448	13,379,264	12,724,350	12,141,099	11,849,407	12,134,034	11,303,506	10,904,241	10,672,292	10,429,106	10,150,036
Revenues	674,700	458,082	233,496	582,333	62,106	565,566	241,571	621,825	365,596	246,595	199,131	278,160	489,015
Expenditures	348	447,184	24,396	298,247	635,484	44,353	(5,300)	693,820	330,070	261,457	243,904	271,433	788,428

15305-Tree Mitigation & Related Expense

	22-Apr	22-Mar	28-Feb	22-Jan	Dec-21	Nov-21	Oct-21	Sep-21	Aug-21	Jul-21	Jun-21	May-21	Apr-21
Cash	7,375,064	7,331,959	7,284,319	7,207,739	7,119,304	7,068,229	7,031,407	6,871,102	6,838,495	6,724,585	6,682,138	6,664,975	6,590,547
Liabilities													
Budget	(45,598)	(45,598)	(45,598)	(45,598)	(45,598)	(45,598)	(45,598)	(48,920)	(48,920)	(48,920)	(48,920)	(48,920)	(48,920)
BUDGET RES.	1	1	1	1	1	1	1	1	1	1	1	1	1
Actual Expenditures	(45,597)	(42,275)	(42,275)	(42,275)	(42,275)	(42,275)	(42,275)	(45,598)	(45,598)	(45,598)	(48,919)	(48,919)	(48,919)
Net Budgeted Expenditures	7,329,467	7,289,684	7,242,044	7,160,464	7,077,029	7,025,954	6,989,132	6,825,504	6,792,897	6,678,987	6,633,219	6,616,056	6,541,628
Available Balance Total	38,100	47,640	81,580	83,436	51,075	36,822	67,506	125,405	113,910	45,758	17,163	74,428	57,771
Revenues													
Expenditures										3,321			

Budget Balance of Appropriated Expenditures		Remaining Budget	FY 22 Expenditures	Open Purchase Orders	Remaining Balance
Center		Activity			
151004-PWOD Tree Mitigation & Related Expenses - Conservation and Resource Manage	00000189-5TH & Cleveland Ash Site Tree Planting	6,593.80	-	6,593.80	-
151004-PWOD Tree Mitigation & Related Expenses - Conservation and Resource Manage	00000275-Brown's Dump Ash Site Tree Planting	884.25	-	884.25	-
151004-PWOD Tree Mitigation & Related Expenses - Conservation and Resource Manage	00000378-County-Wide Tree Prog-Right Of Way	2,192,787.27	747,690.20	638,441.27	806,656
151004-PWOD Tree Mitigation & Related Expenses - Conservation and Resource Manage	00000429-Duval County School Board Property	92,243.50	-	-	92,244
151004-PWOD Tree Mitigation & Related Expenses - Conservation and Resource Manage	00000541-Hammond Blvd Project	35,140.70	8,237.90	16,619.80	10,283
151004-PWOD Tree Mitigation & Related Expenses - Conservation and Resource Manage	00000604-Intensec,Bridge,Misc 09-10 Landscaping	18,467.68	-	-	18,468
151004-PWOD Tree Mitigation & Related Expenses - Conservation and Resource Manage	00000651-King St Planting College To Park	8,724.53	-	8,724.53	-
151004-PWOD Tree Mitigation & Related Expenses - Conservation and Resource Manage	00000744-North Main Street Landscaping	9,155.68	-	-	9,156
151004-PWOD Tree Mitigation & Related Expenses - Conservation and Resource Manage	00000982-Tree Protection & Related Expenses	1,436,949.08	-	-	1,436,949
151004-PWOD Tree Mitigation & Related Expenses - Conservation and Resource Manage	00001035-Mandarin Road Tree Planting	74,601.00	-	-	74,601
151004-PWOD Tree Mitigation & Related Expenses - Conservation and Resource Manage	00001036-Springfield Preservation Tree Planting	220,408.45	8,961.61	230.17	211,217
151004-PWOD Tree Mitigation & Related Expenses - Conservation and Resource Manage	00001315-Level 2 Tree Planting Program	4,434,789.19	464,447.68	1,657,628.84	2,312,713
151004-PWOD Tree Mitigation & Related Expenses - Conservation and Resource Manage	00001316-Moncrief Rd Beautification Project	180,705.21	13,353.86	27,112.73	140,239
151004-PWOD Tree Mitigation & Related Expenses - Conservation and Resource Manage	00001345-District 8 Tree Planting	52,767.40	-	52,767.40	-
151004-PWOD Tree Mitigation & Related Expenses - Conservation and Resource Manage	00001606-Sulzbacher Village Level 3 Tree Planting	20,752.30	4,672.40	5,692.40	10,388
151004-PWOD Tree Mitigation & Related Expenses - Conservation and Resource Manage	00001607-Hugenot Park Level 3 Tree Planting	72,207.20	-	72,207.20	-
151004-PWOD Tree Mitigation & Related Expenses - Conservation and Resource Manage	00001623-Level 3 Tree Planting Program	825,213.40	-	275,962.75	549,251
151004-PWOD Tree Mitigation & Related Expenses - Conservation and Resource Manage	All Activity Values	9,682,390.64	1,247,363.65	2,601,666.14	5,833,361
151016-PWOD Forrest Street Ash Site Tree Planting - Conservation and Resource Manage	All Activity Values	5,994.50	-	5,994.50	-
151132-PWOD County-Wide Tree Prog-Active Parks - Conservation and Resource Management	All Activity Values	532,545.04	-	-	532,545
151135-PWOD County-Wide Tree Prog-Preservation Parks - Conservation and Resource Management	All Activity Values	514,854.00	-	-	514,854
154006-PWML Tree Maintenance - Other Physical Environment	All Activity Values	373,253.63	22,982.19	338,061.86	12,210
154007-PWML 630-City Tree Planting Prog - Other Physical Environment	All Activity Values	1,517,703.84	174,366.84	285,271.56	1,058,065
154008-PWML Patton Rd And Beach Blvd Tree Planting - Conservation and Resource Management	All Activity Values	9,428.34	-	9,428.34	-
154009-PWML Zoo Landscaping-Asian Exhibit - Conservation and Resource Management	All Activity Values	1,031,432.38	-	-	1,031,432
191015-JXSF Conservation and Resource Management	00000981-Tree Protection & Related Expenditures-Activity	2,266,375.86	-	-	2,266,376
All Center Values	All Activity Values	15,933,978.23	1,444,712.68	3,240,422.40	11,248,843.15
153104-PWCP Public Works Capital Projects - Road and Street Facilities	Better Jacksonville Plan Project 008449	1,717,826.00	-	-	1,717,826

Recent Expenditure Appropriations impacting available balance

<u>Fund</u>	<u>Budget Period</u>	<u>Total Budget</u>	<u>Description</u>
15304	10/19/20	2,000,000	Ord. 2019-745 Countywide program - public right of ways
15304	Jan-20	2,000,000	Ord. 2019-880 - Level 2 Tree Planting Program
15304	Feb-20	2,000,000	Ord. 2019-886 - 630-CITY Level 1 Tree Planting Program
15304	Apr-20	72,298	Ord. 2020-0114 -Level 3 Planting - project near Sulzbacher Village Apartments
15304	Apr-20	105,587	Ord. 2020-113 - Level 3 Tree Planting project at Huguenot Park
15304	Jun-20	1,000,000	Ord. 2020-213 - Level 3 Tree Planting Program
			2020-0616-E to "630-City Tree Planting Program" to Provide Tree Planting Administered by Public Works in the Public Rights-of-Way in Locations Where Adjacent Property Owners Have Made Requests thru 630-City
15304	Dec-20	2,000,000	2020-0732-E ORD Approp \$2,000,000.00 from the Tree Protection & Related Expenses Trust Fund, 15304, for the Level 2 County-Wide Prog to Provide Tree Planting on Public Land in Duval County Suggested by Individuals or Groups
15304	Jan-21	2,000,000	2021-0144-E - ORD Approp \$2,000,000 from the Tree Protection & Related Expenses Trust Fund, Fund 15304, for the County-Wide "Remove and Replace" Prog;
15304	April -21	2,000,000	2021-0455-E - ORD Approp \$2,000,000.00 from the Tree Protection & Related Expenses Trust Fund, Fund 15304, for the Level 2 County-Wide Prog to Provide Tree Planting on Public Land in Duval County
15304	9/12/21	2,000,000	Public Land in Duval County
15304	2/24/2022	1,950	BT22-041 COLA
15304	2/24/2022	28	BT22-041 COLA
15304	2/24/2022	6	BT22-041 COLA
15304	2/24/2022	228	BT22-041 COLA

## CITY OF JACKSONVILLE LEVEL 2 TREE PLANTING PROJECTS

ATTACHMENT B

Visit <https://pg-cloud.com/jacksonvillefl/> for City of Jacksonville Tree Project Maps

Visit [jaxtreemitigation.coj.net](http://jaxtreemitigation.coj.net) - Tree Fund City Projects for links to legislation and planting details

Requesting Entity	Project Scope	Status	Appropriation Amount	Obligated	Contract/Warranty
1 Kensington Association HOA Director	54 trees requested within Kensington Lakes city right of ways along Kensington Gardens Blvd. and Kensington Lakes Dr to replace trees lost due to storm damage/disease; may include removals. Planting Plan pending.	Maintenance/Warranty Complete	\$124,202.62	\$124,202.62	Davey -1/yr
2 Cathedral District Tree Planting	50+ trees requested as Cathedral District (CD7) tree planting. may include removal of damaged/diseased trees. City right of way tree plantings within general proximity but not limited to State St to Catherine St. to Main St. to Adams St.; site evaluation scheduled	Complete	\$120,371.14		Liberty 2/yr
3 Executive Director, Tree Hill Nature Center	22 trees requested in Tree Hill amphitheater parking area; site plan complete; no removals required; ready for review pending cost estimate per new countywide tree planting contract.	Maintenance/Warranty Complete	\$21,472.80	\$21,472.80	Liberty 3/mos
4 San Marco Preservation Society and Greenscape, San Marco Tree Planting	102 Trees requested in city right of ways within District 5, includes removal of damaged/diseased trees; site evaluation scheduled	Maintenance/Warranty Complete	\$247,749.52	\$247,749.52	Davey -1/yr
5 Sheffield Elementary School PTA President	10 Trees requested to provide shade for existing play area/field at Sheffield Elementary School; site visit complete - pending design and review.	Installation Complete	\$20,414.48		Davey -1/yr
6 S-Line Biodiversity Corridor Tree Planting	Installation of 25 trees throughout the S-Line Trail Biodiversity Corridor. This will offer additional tree canopy and shade to the trail.	Maintenance/Warranty Complete	\$30,949.40	\$30,949.40	Liberty 3/mos
7 Canopy Place Tree Planting/resident request	Installation of 40 trees in city right of ways and medians to provide additional tree canopy, sound buffer and screening.	Installation Complete	\$117,483.97		Davey -1/yr
8 Sunrise Ridge/resident request	Installation of 40 tree in city right of ways to increase tree canopy as well screening and buffer from adjacent highway.	Maintenance/Warranty Complete	\$107,316.52	\$107,316.52	Davey -1/yr
9 Jacksonville Beach Golf Park/Jax Beach	Installation of 156 trees in city golf course park to increase tree canopy, create screening, and attract wildlife.	Maintenance/Warranty Complete	\$147,562.80	\$147,562.80	Liberty 3/mos
10 Yates Building - Cultural Council of Greater Jacksonville	8 Trees to be installed around renovated fountain at building entrance	Installation Complete	\$38,312.00		Liberty 2/yr
11 City Cemetery - citizen request	18 Trees in right of ways on Ionia St. and Jessie St.	Installation Complete	\$41,350.50		Liberty 2/yr
12 Baymeadows East Association Tree Planting	119 Trees in right of ways and medians on Baymeadows East and Fort Family Regional Park	Installation Complete	\$284,900.07		Davey -1/yr

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Visit [jaxtreeemittigation.col.net](http://jaxtreeemittigation.col.net) - Tree Fund City Projects for links to legislation and planting details

Requesting Entity	Project Scope	Status	Appropriation Amount	Obligated	Contract/Warranty
13 Cobblestone Homeowners Association/residential requests/HOA	Installation of 105 trees in city right of ways and medians to provide additional tree canopy, sound buffer and screening.	Installation Complete	\$191,322.00		Liberty 2/yr
14 Ed Austin Park Tree Planting/Resident request	115 Trees in right of ways around and within Willowbranch Park	Installation Complete	\$214,822.00		Liberty 2/yr
15 Neptune Beach/Residential requests - City of Neptune	Trees within residential Right of Ways - 47 trees	Installation Complete	\$55,490.00		Liberty 3/mos
16 Nathan Krestul Park - Friends of Krestul Park	Trees within Park - 34 trees	Installation Complete	\$95,580.00		Liberty 2/yr
17 John Gorrie Dog Park/Friends of John Gorrie Dog Park	Trees along Park Right of Way - Buffer - 11 Trees	Installation Complete	\$23,166.00		Liberty 2/yr
18 Alexandria Oaks Park/SMPs and Bolles School request	Trees within Park - 15 trees	Installation Complete	\$28,593.00		Liberty 2/yr
19 Huntington Forest Park/Resident request to CM	Trees along Park Right of Way - Buffer - 15 trees	Installation Complete	\$28,026.00		Liberty 2/yr
20 Love Grove/Willowbranch	Trees in right of ways around and within Willowbranch Park - 51 Trees	Phase 1 Complete	\$93,742.00		Liberty 2/yr
21 Greenland Park/residents adjacent to park	Trees within Park - 53 trees	Installation Complete	\$95,580.00		Liberty 2/yr
22 Harlow Blvd./Resident request	Trees within median on Harlow Blvd. - 47 trees	Installation Complete	\$102,804.00		Liberty 2/yr
23 Atlantic Beach/City of Atlantic Beach	Trees within Atlantic Beach residential Right of Ways and Parks - 96 trees	Installation Complete	\$194,592.00		Liberty 2/yr
24 Lake Mandarin HOA Tree Planting/Resident request	Trees within 4 HOA's residential Right of Ways and Parks - 94 trees	Installation Complete	\$190,168.00		Liberty 2/yr
25 Tom Marshall Park/Sports Association	Trees within ballpark and right of ways - 39 trees	Installation Complete	\$69,336.00		Liberty 2/yr
26 Boat Ramps/Waterfront Management	Trees within 7 boat ramps and parks - 62 trees	Installation Complete	\$111,132.00		Liberty 2/yr

## CITY OF JACKSONVILLE LEVEL 2 TREE PLANTING PROJECTS

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Requesting Entity	Project Scope	Status	Appropriation Amount	Obligated	Contract/Warranty
27 Freedom Park/CM & Parks	Trees within newly established park (irrigated) - 38 trees	Installation Complete	\$38,548.00		Liberty 3/mos
28 Blue Cypress Park Restoration/Parks	Trees within park - field restoration - 157 trees	Installation Complete	\$187,154.40		Liberty 3/mos
30 Reddie Point Park/CM and Parks	Trees within park - field restoration - 27 trees	Installation Complete	\$53,055.00		Liberty 2/yr
31 Twin Lakes Academy ES/School	Trees within school grounds and ROW - 66 trees	Installation Complete	\$122,553.00		Liberty 2/yr
32 Atlantic Beach/City of Atlantic Beach Phase 2	Trees within Atlantic Beach residential Right of Ways and Parks - 133 trees	Installation Complete	\$164,404.80		Liberty 3/mos
33 Kernan Blvd./CM	Trees within medians and Row of Kernan Blvd. - 132 trees	Installation Complete	\$276,722.50		Liberty 2/yr
34 Amelia View/residential	Trees within medians and ROW in Amelia View community - 73 trees	Installation Complete	\$145,395.00		Liberty 2/yr
35 Whitehouse Park/Parks and residential	Trees within play area and recreational fields. - 29 trees	Installation Complete	\$54,594.00		Liberty 2/yr
36 Baker Point Park/Parks and residential	Trees within park undergoing improvements - 8 trees	Installation Complete	\$17,091.00		Liberty 2/yr
38 Fort Caroline Rd. Tree Planting	Trees within right of way along Fort Caroline Rd. 66 trees	In Progress <i>Completed</i>	\$165,793.50		2-Year Warranty
39 Norfolk Soutel Tree Planting	Trees within medians and right of way along Norfolk Blvd. 36 trees	In Progress	\$85,000.00		2-Year Warranty
40 Jax Beach Park and ROW	Trees within parks and right of way. 150 trees	In Progress	\$277,789.50		2-Year Warranty
41 Gold Star Family Memorial Highway	Trees within retention pond and right of way. 200 trees	Installation Complete	\$466,296.00		2-Year Warranty
42 Northbank Riverwalk	Trees along trail and riverside of Northbank Riverwalk/Geffen Park area. 68 trees	Scheduling	\$138,801.00		
43 Jarboe Park	Trees along play areas and trails of Jarboe Park. 76 trees	Scheduling	\$145,918.00		
44 Columbia Pkwy Retention Pond	Trees along play areas and trails of Jarboe Park. 29 trees	Scheduling	\$51,840.00		
45 Fishweir Park	Trees along nature trail. 21 trees	MBRC	\$40,014.00		
46 District 7 Parks	55 trees.	MBRC	\$106,000.00		

Jacksonville Tree Commission  
 Wednesday March 23, 2022 – 9:30 AM  
 For Approval April 20, 2022  
 Via Zoom Platform & In Person

**Commissioners Present:**

Chris Flagg, Chair  
 Susan Fraser  
 Mike Robinson  
 CM Ron Salem  
 John Pappas

**Advisors:**

Joe Anderson, JEA  
 Kathleen McGovern, COJ  
 Fred Pope, COJ  
 Todd Little, COJ  
 Mike Zaffaroni, Liberty Landscape  
 John November, Public Trust  
 Eric Palmer, Liberty Landscape  
 Paul Davis, COJ  
 Susan Grandin, OGC  
 Dalton Smith, Urban Forestry

**Staff:**

Cindy Chism

**Public:**

1. Call to Order – Chair
2. Roll Call and Verification of Quorum – Cindy Chism
3. Submittal of Speaker's Cards – Chair
  - a) A raised hand icon as well as waving at the screen will be acknowledged by Chair or Ms. Chism.
  - b) For those attending in person, paper speakers' cards are available.

**4. Reports:**

- a) Fund balance and encumbrance report for 15(F) (Ordinance Tree Fund), 15(N) (Charter Tree Fund) and BJP (Attachment A) – Joe Regueiro
- b) Status of Pending Tree Projects (Attachment B) – Dalton Smith
- c) Fund Status of 630-CITY, Remove & Replace and Level 2 Programs – Dalton Smith
  - i. 630-CITY has 1,058,065 remaining balance; Remove & Replace balance is 1,106,655; Level 2 balance is 2,173,911.
  - ii. The new City Arborist will start April 4<sup>th</sup>.

**5. Action Items:**

- a) Approval of Minutes from February 16, 2022 meeting – Chair
  - i. Motion to approve made by Mr. Pappas, seconded by Ms. Fraser, none opposed.
- b) Proposed Level 2 Project(s)
  - i. Fishweir Park Tree Planting Project (Attachment C) – Todd Little
1. Presentation – This project was requested by the Parks Department based on a citizen request. Most of the trees will surround a newly built walking trail. Trees will also be planted along Valencia Road.

- iii. The instructions lay out what is required to get the \$2500 stipend and when the Applicant can start tracking time spent. After the Conceptual Plan is completed then the Scope Review meeting with the Agency you are planting the trees with, whether it's Parks or whomever, is held. Once the
  - iii. The instructions lay out what is required to get the \$2500 stipend and when the Applicant can start tracking time spent. After the Conceptual Plan is completed then the Scope Review meeting with the Agency you are planting the trees with, whether it's Parks or whomever, is held. Once the between the Application and the Agreement also explaining the process.
  - ii. There are 3 documents which changed: the Application, the Instructions, and the Agreement. A lot of the changes were formatting in terms of what exhibits we want and matching the numbers
  - i. A workshop will be scheduled to discuss these documents in detail, however here are the main points:
- a) Level 3 Program Document Revisions (Attachment E) – Susan Grandin/Fred Pope

6. Old Business

- 3. Vote – Motion made by Ms. Fraser to approve, seconded by Mr. M. Robinson, none opposed.
  - iv. Mr. Flagg added, there are a lot of areas which could use a lot more trees, especially Long Branch. Ms. McGovern pointed out that because the pictures are satellite pictures you are not seeing what is happening now, i.e., the fence line is moving and the whole area is going to be swaled. I could send the drawing of exactly what's going on. Mr. Flagg continued; District 7 is an opportunity we could use to help as much as we can. Perhaps we could be more aggressive in tree planting if possible.
  - iii. Mr. November asked why so few trees are being planted in Long Branch Park. Ms. McGovern responded, these parks are used for so many different things, to be on the safe side we didn't put the trees in, however, we can take another look and make sure.
  - ii. Mr. Anderson added, Greenscape has planted trees in the past in A. Phillip Randolph and on the southside there is concrete underneath the dirt. The park used to be residential and the houses were removed.
  - i. Mr. November asked why no trees were added to shade the playground in A. Phillip Randolph. Ms. McGovern replied Oaks have actually been added around the playground it just didn't make it onto the plan.
2. Public Comment –
- 1. Presentation – There are 4 parks in District 7 which are undergoing improvements.
  - ii. District 7 Tree Planting Project (Attachment D) – Kathleen McGovern
  - 3. Vote – Motion made by Mr. Pappas to approve, seconded by Mr. M. Robinson, none opposed.
  - iii. Mr. Flagg asked if 21 trees will have enough of an impact in this area. Mr. Little said during the walk-thru with Parks Department, it was determined they wanted to leave open space for play.
  - ii. Mr. M. Robinson asked about the warranty. Mr. Little responded it's a 2 year warranty.
  - i. Mr. November asked what size Long Leaf Pine we use and can we find them in the nurseries. Mr. Little replied we use 3" and have had no problem getting them.
2. Public Comment

Conceptual Plan is approved, then the Applicant will submit a Fee Proposal with the Schematic Plan, which has been generated from the approved Conceptual Plan, with the Application.

iv. Generating the Fee Proposal and doing the Schematic Plan is part of the contract itself and included in the Agreement. The Agreement requires someone to get 3 bids for the actual construction.

v. Something to think about is whether to limit the Level 3 Projects to a design fee of \$35,000 and a construction fee of \$300,000. If you don't do that then the CCNA act is triggered. So, if the project is over those amounts, because the project is going to be so big the design and construction will both have to go out to bid so there is a chance the Landscape Architect which drew the Conceptual Plan might not be the Landscape Architect chosen to do the project.

vi. Ms. Chism will email the draft forms and specifications necessary to the Commissioners for review before the workshop.

## 7. New Business

### a) Cost Per Tree Analysis (Attachment F) – Todd Little

i. Mr. Flagg pointed out that hopefully a series of presentations to City Council Committees (Neighborhoods and Finance) will be scheduled, so keeping this information updated will be a great illustration on our progress.

ii. Ms. Fraser said this was a great 30,000 foot look at cost per tree but what Mr. Hart was asking for was the next level down or even the one below that, detail. If this Commission is going to decide projects and possible priorities, what Mr. Hart was looking for was cost based on types of warranty periods, MOT in urban projects, do you expect a high price in urban projects because they all have MOT or maybe they don't have MOT. Attachment F is a great total cost total trees map, but what we want to see is how do we differentiate between these; what kind of trees cost X, what's the survival rate, what MOT costs are we incurring when we pick a 1 year warranty versus a 2 year warranty, does that affect the mortality of the tree or not. When do we install irrigation and what's the cost of that. This report is a good start but let's add more columns and divisions to give us more detail.

iii. Mr. Smith agreed to try to expand the table or to let the Tree Commission know if we needed to begin collecting that data so we could complete the table next year. However, due to staffing constraints right now, no timeframe can be given for an update.

iv. Mr. M. Robinson asked if the Level 3 projects were 2 year warranties? Mr. Smith replied, Sulzbacher was a 1 year but the Zoo was 2 year. Mr. M. Robinson pointed out that a roughly \$300 difference between per tree warranty-wise is not a lot especially when you look at the number of hours staff spent per project. Mr. Smith added that employee hours were estimated.

v. CMI Salem asked if it was difficult for staff to track their hours on these projects. It seems it adds a lot of accountability to the process. Mr. Smith replied, no we have not tracked the hours, these numbers are estimates.

vi. Mr. Pappas suggested developing a matrix of the elements the Commission would like Staff to track. Mr. Smith and Mr. Pappas will discuss the elements, balanced against the effort it takes to track, and present the suggestions to the Commission at the meeting.

vii. Mr. Flagg added, that the bottom line is to gauge success. We want to show a minimal loss rate of trees and what is working well relative to maintenance and sustainability. Eventually perhaps we could compare success per District. Some Districts are more difficult because of conditions. How do we enhance that to ensure success; weight projects in those Districts to get them done.

viii. Mr. Pope pointed out that the cost totals are not all inclusive, missing are the fees involved which were significant and the staff costs as well. Mr. Flagg continued, there are multiple layers which can be added; what are we doing that is successful and how do we continue that. Is there a 3 year back check, a 5 year, to see what projects are showing the most success in survivability? Mr. Smith agreed and added Staff could spend all their time updating the spreadsheets and not get any tree planting projects done.

ix. Ms. Fraser added when we talk about what the fund sponsors in terms of Staff, the Arborist, this is a lot of money, a realistic expectation may be that the fund pays for an administrator that does all the numbers, spreadsheets, etc. Big decisions are being made using a lot of money without a lot of facts. I would be more supportive of administrative staff support vice professional staff who could collect the data and make it available to assist in making these decisions.

x. Mr. Zaffaroni added, if we know, in advance, what Staff is looking for, we can accumulate that data with no addition cost.

xi. Ms. Grandin asked when the settlement was agreed upon and an Arborist was the professional position selected to be filled by this, was the idea that the Arborist would be able to do all of this alone or would they need help. Mr. Pappas said, since there had never been anyone funded through it, the start was to dedicate one individual to focus on it. There really wasn't much discussion about staffing, the suit was about putting trees in the ground. Mr. November added with what we know now, it seems like a huge job, more than one person can do. There is movement in the community to be supportive of another position funded by the Tree Fund to work towards planting trees. CM Salem asked who would make that decision, Ms. Grandin replied, City Council. We would have to have support from the plaintiffs, the City Council decides what the Tree Funds are used for.

xii. Mr. Flagg continued, how is it initiated. Is it an ordinance? CM Salem continued we develop an ordinance and get all the players to say we want this and bring it to the Council. Mr. November added a discussion would need to be held to determine how it would serve the Tree Commission and Ms. Fraser added who is it, a Landscape Architect, a half Arborist, half statistician, there's a lot of stuff to think about. CM Salem continued, we need to have that internal discussion. Mr. Flagg added we need to continue building data and the needs will become identified. Mr. November agreed, Community Engagement is also important, to take some burden off Staff.

xiii. Mr. Pope pointed out, if you are waiting for statistics to make this decision, this year is going to be at the current level of projects, and yet we need, as soon as possible, to increase the number of projects coming out. So, we really need to address this soon.

xiv. Ms. Fraser reminded the Commission that there was a conversation about having a facilitated discussion about how the Commission can take a greater role in prioritizing and identifying projects, that isn't on the calendar yet due to the staff changes, is that something we want to schedule; just to give us a target to push for. Mr. Flagg said, the staff changes set us back so we

needed to regroup; Ms. Grandin, the Urban Forest Manager and I were to meet about the facilitated process and then the Commission would have the facilitated process. Mr. November added it is possible the non-profits would contribute if needed as there isn't budget for that. Ms. Fraser volunteered to take Mr. Flag's place in this discussion. A meeting will be scheduled with Ms. Grandin and Ms. Fraser.

**b) Expanded City-Wide Tree Maintenance Calculations (Attachment G) – John November**

i. Mr. Flag commented we need to start with what we are planting now and ensure it is sustained and successful. Mr. Smith added this presentation is another 30,000 foot view, there is a lot more to this than what is listed here. Mr. November replied but money would help, Mr. Smith agreed and added that a lot more planning required by Staff, look at mileage, i.e., Pritchard Rd vs. Trout River, there are different canopy levels per road, not every road needs trimming on the same schedule.

ii. Ms. Fraser asked do we think it's important, do we think more money is needed to do a better job and then the discussion becomes how do we do the better job. The big question is do we think maintenance is important, it's part of the focus of the Trust Fund and we should do more than maintain the trees we are planting with the fund. If the answer is yes, then the discussion gets into harder numbers and bigger decisions. Mr. Smith added, currently we are reactive, there is no scheduled pruning for any roads. Perhaps we could take steps for some pilot roads that need attention to get on a cycle, with another bid, per mile, which is more competitive, but we are in the beginning stages of something proactive. Mr. Flag asked how we can model ourselves after Cities that are already using a proactive approach to pruning trees.

iii. Mr. M. Robinson asked about Lewis Tree's \$6500 per mile, which covers both sides of the road and the median, referenced in Attachment G. Mr. November replied that number was ballpark. Mr. M. Robinson then asked what JEA's price per mile for trimming. Mr. Joe Anderson replied, JEA does 1200 miles per year trimming trees at about 5 million dollars. JEA is proactive with a 2.5-year trim cycle. It is a model which helps albeit inadvertently.

iv. Mr. Anderson continued, a study by University of Florida storm response found that trees trimmed by utilities enhances the resiliency primarily because we are attacking the hazards within a tree. To have a sustainable and resilient tree canopy you must maximize the benefits and minimize the risk. The last 2 weeks I have been on call and every single vegetative related outage was not caused by wind on a healthy tree. It was always a dead, declining tree or defective part of the tree which could have been trimmed. They were not all on the City right-of-way, a lot were on private property which were not maintained. Trees are part of the infrastructure, it's like a vehicle, you can't just have it and not maintain it. To build the public trust you must attack their fear, regarding the tree canopy. That fear has to do with the liability and risk of those trees, falling on their cars or potentially harming an individual. The utility can be of great service here, since there is already a model, there is also the Duval County Cooperative Extension, Urban Forester Larry Figart who is connected with research at the University of Florida and there is the Forest Service which also has a dedicated Urban Forester.

v. Mr. November suggested the possibility of a grant.

sure how quickly this can all be vetted and detailed enough to understand to move forward. the higher percentage. There's a lot that goes into the preparation of the budgets and I'm not year the budget increase could be addressed from general fund, which would also be reflected in would take place at that time. That can happen after the budget and come later and then next through, if the increase in percentage goes up, the increase in contribution from the tree fund maintenance percentage so no matter what the budget is if this comes in after the budget comes second ask is harder. Mr. Pappas added one of the components of this proposal is increasing the can back up and be comfortable with than rush something through and it's shot down then the established. How aggressive is the ask? CM Salem said it would be better to have good data you Mr. Flag added, we don't know how much to ask for, the what and the why have not been budget now and goes to MBRC in June. CM Salem pointed out it may be too late in this cycle. November asked what would be the latest to have this information. Mr. Pappas said we are in definition of maintain/trim in the City's Continuous Maintenance Contract with Lewis Tree. Mr.

x. Staff will identify other City's as examples of a maintenance plan and also review what the or more detailed it would be more beneficial.

ix. Mr. Flag continued, the reports presented every month are great but if they were embellished the Commissioners could help with the research. That may be the quickest way to get the info. they are compelling. Ms. Fraser suggested Staff identify the kind of information to look for and issue. Perhaps the report doesn't need to be exhaustive, some key data points may be enough if Mr. November pointed out that the budget is being defined for next year, now, so time is an

starting point.

viii. Mr. Flag asked how we get this process started. Mr. Pappas said we must first define what we are asking for and then why will it benefit the City. Mr. Flag added it's got to start in a strategic planning mode, what are the needs, where do we need put attention towards, I'm not sure that we have that objective highlighted per year because Staff is just scrambling to do their job. Do we determine a strategic plan for the year, maintenance is huge and costs money to get started. Mr. Pappas suggested getting research from other Cities which have done this to determine what they are paying per mile and what they get for it. What exactly is it they are doing, obviously if they've been doing it for years, it's less expensive than starting from zero. That may be the best way to start. Mr. Smith agreed, he was planning on reaching out to other Cities, it's a good

vii. Mr. November asked if there wasn't something to be said for an adaptive iterative process. This would be the first year of doing proactive maintenance. Mr. Pappas suggested a pilot type of program is something to consider but what we are asking and the results achieved must be very well documented. Ms. Fraser added perhaps examples of Cities which have adopted these types of programs could be contacted, it may take 10 years to flesh out the benefits.

vi. CM Salem pointed out that the budget process for next year is going on now. If something could be put together sooner rather than later. Mr. Pappas added there needs to be more detailed information, what exactly is being done to the trees. When Public Works does the work we focus on encroachment, keeping it off the sidewalk, intersections, are both sides of the tree or all around the tree involved is that the same price. What we need to show is the benefits the money will provide, clearly and well defined.



- Huguenot Park - 3145 Nain Rd. – Few large shade trees for perimeter of park
- Lillian Saunders Center - 2759 Bartley Circle – Large and small shade trees for existing site
- Inwood Terrace Pond - 2176 Felch Ave. – Large shade trees for existing retention pond
- G.E.N.A. Park - 4603 Clinton Ave. – Few trees for existing park
- Bishop Circle Park - 5661 Bishop Circle – Few large shade trees for existing park perimeter
- San Jose Acres Park - 2965 Caballero Dr. - Few large shade trees for existing park perimeter
- Brown L. Whalley Park - 1507 Alexandria Pl. - Opportunity for understory tree plantings.

*The following parks have been identified as sites that would benefit from additional tree canopy and/or have received requests for additional canopy from adjacent residents.*

- Verona Park - 7155 San Jose Blvd. – Benches
- St. Nicholas Playground - 2260 Spring Park Rd. – Playground, walkways
- Angelina Danese Park - 3310 St. Augustine Rd. – Playground, benches
- Camp Tomahawk Park - 8419 San Ardo Rd. – Parking lot repair
- Pine Forest Elementary Park - 3939 Grant Rd. – Basketball Court, Trail, Fitness Equipment.
- Joe Davis Memorial Park - 2445 Larson Rd. – Playground
- Earl Johnson Park - 5308 St. Augustine Rd. – Walk/Trail
- Crabtree Park - 1704 University Blvd. W. - Playground, Basketball Court.

*The following parks have received or are schedule for improvements as noted; proposed trees will complement the sites both aesthetically and environmentally.*

*Level 2 Tree Planting Project designated for fifteen District 5 Parks that have undergone improvements, have upcoming improvements scheduled, or were identified as potential planting areas. Proposed trees for the most part, native, large canopy trees to provide shade and environmental value to the site. The trees will include one-year warranty/maintenance.*

<https://pg-cloud.com/jacksonvilleFL/?scenario=District-5>

## District 5 – Level 2 Tree Planting

ONE CITY, ONE JACKSONVILLE



**DISTRICT 5 TREE PLANTING - PARKS**

Crestview Park - 1704 University Blvd W					
Description	Unit	Quantity	Unit Price*	Extended Price	
Ulmus glabra Winged Elm 4" Cal, 14" Ht., 4" Spd, 100 G or 40" B&B	EA	5	\$2,900.00	\$14,500.00	
Quercus muhlenbergii Nuttall Oak 4" Cal, 14" Ht., 4" Spd, 100 G or 40" B&B	EA	2	\$2,400.00	\$4,800.00	
Pinus robustus Longleaf Pine 4" Cal, 14" Ht., 4" Spd, 100 G or 40" B&B	EA	5	\$2,400.00	\$12,000.00	
Quercus virginiana Live Oak 4" Cal, 14" Ht., 8" Spd, 100 G or 40" B&B	EA	5	\$2,500.00	\$12,500.00	
Subtotal Tree Installation		17		\$43,800.00	
Earl Johnson Park - 5308 St. Augustine Rd.					
Description	Unit	Quantity	Unit Price*	Extended Price	
Taxodium distichum Bald Cypress 4" Cal, 14" Ht., 8" Spd, 100 G or 40" B&B	EA	16	\$2,100.00	\$33,600.00	
Acer rubrum Red Maple 4" Cal, 14" Ht., 8" Spd, 100 G or 40" B&B	EA	7	\$2,300.00	\$16,100.00	
Pinus robustus Longleaf Pine 4" Cal, 14" Ht., 4" Spd, 100 G or 40" B&B	EA	5	\$2,400.00	\$12,000.00	
Quercus virginiana Live Oak 4" Cal, 14" Ht., 8" Spd, 100 G or 40" B&B	EA	3	\$2,500.00	\$7,500.00	
Subtotal Tree Installation		31		\$69,200.00	
Joe Davis Memorial Park - 2445 Lerson Rd.					
Description	Unit	Quantity	Unit Price*	Extended Price	
Quercus virginiana Live Oak 4" Cal, 14" Ht., 8" Spd, 100 G or 40" B&B	EA	1	\$2,500.00	\$2,500.00	
Pinus robustus Longleaf Pine 4" Cal, 14" Ht., 4" Spd, 100 G or 40" B&B	EA	3	\$2,400.00	\$7,200.00	
Subtotal Tree Installation		4		\$9,700.00	
Pine Forest Elementary Park - 3939 Grant Rd.					
Description	Unit	Quantity	Unit Price*	Extended Price	
Quercus virginiana Live Oak 4" Cal, 14" Ht., 8" Spd, 100 G or 40" B&B	EA	5	\$2,500.00	\$12,500.00	
Ulmus glabra Winged Elm 4" Cal, 14" Ht., 4" Spd, 100 G or 40" B&B	EA	2	\$2,900.00	\$5,800.00	
Ulmus americana 'Creole Queen' Elm 4" Cal, 14" Ht., 4" Spd, 100 G or 40" B&B	EA	3	\$2,900.00	\$8,700.00	
Quercus muhlenbergii Nuttall Oak 4" Cal, 14" Ht., 4" Spd, 100 G or 40" B&B	EA	3	\$2,400.00	\$7,200.00	
Subtotal Tree Installation		13		\$34,200.00	
Camp Tomahawk Park - 8419 San Ardo Rd.					
Description	Unit	Quantity	Unit Price*	Extended Price	
Platanus sp. American Sycamore 4" Cal, 14" Ht., 8" Spd, 100 G or 40" B&B	EA	5	\$2,200.00	\$11,000.00	
Acer rubrum Red Maple 4" Cal, 14" Ht., 8" Spd, 100 G or 40" B&B	EA	4	\$2,300.00	\$9,200.00	
Subtotal Tree Installation		9		\$20,200.00	
Angellina Danese Park - 3310 St. Augustine Rd.					
Description	Unit	Quantity	Unit Price*	Extended Price	
Acer rubrum Red Maple 4" Cal, 14" Ht., 8" Spd, 100 G or 40" B&B	EA	2	\$2,300.00	\$4,600.00	
Subtotal Tree Installation		2		\$4,600.00	
St. Nicholas Playground - 2260 Spring Park Rd.					
Description	Unit	Quantity	Unit Price*	Extended Price	
Quercus virginiana Live Oak 4" Cal, 14" Ht., 8" Spd, 100 G or 40" B&B	EA	12	\$2,500.00	\$30,000.00	
Ulmus glabra Winged Elm 4" Cal, 14" Ht., 4" Spd, 100 G or 40" B&B	EA	4	\$2,900.00	\$11,600.00	
Pinus robustus Longleaf Pine 4" Cal, 14" Ht., 4" Spd, 100 G or 40" B&B	EA	7	\$2,400.00	\$16,800.00	
Quercus muhlenbergii Nuttall Oak 4" Cal, 14" Ht., 4" Spd, 100 G or 40" B&B	EA	3	\$2,400.00	\$7,200.00	
Subtotal Tree Installation		26		\$65,600.00	
Verona Park - 2155 San Jose Blvd.					
Description	Unit	Quantity	Unit Price*	Extended Price	
Quercus virginiana Live Oak 4" Cal, 14" Ht., 8" Spd, 100 G or 40" B&B	EA	4	\$2,500.00	\$10,000.00	
Quercus muhlenbergii Nuttall Oak 4" Cal, 14" Ht., 4" Spd, 100 G or 40" B&B	EA	5	\$2,400.00	\$12,000.00	
Cercis canadensis Redbud 3" Cal, 12" Ht., 65G or 36" B&B	EA	3	\$1,800.00	\$5,400.00	
Taxodium distichum Bald Cypress 4" Cal, 14" Ht., 8" Spd, 100 G or 40" B&B	EA	4	\$2,100.00	\$8,400.00	
Chionanthus virginicus Fringetree 3" Cal, 12" Ht., 65G or 36" B&B	EA	6	\$1,800.00	\$10,800.00	
Cornus florida Flowering Dogwood 3" Cal, 12" Ht., 65G or 36" B&B	EA	1	\$1,800.00	\$1,800.00	
Acer rubrum Red Maple 4" Cal, 14" Ht., 8" Spd, 100 G or 40" B&B	EA	2	\$2,300.00	\$4,600.00	
Betula nana River Birch 4" Cal, 14" Ht., 4" Spd, 100 G or 40" B&B	EA	1	\$2,100.00	\$2,100.00	
Subtotal Tree Installation		26		\$55,100.00	
Brown L. Whaley Park - 1307 Alexandra Pl.					
Description	Unit	Quantity	Unit Price*	Extended Price	
Cercis canadensis Redbud 3" Cal, 12" Ht., 65G or 36" B&B	EA	3	\$1,800.00	\$5,400.00	
Chionanthus virginicus Fringetree 3" Cal, 12" Ht., 65G or 36" B&B	EA	6	\$1,800.00	\$10,800.00	
Cornus florida Flowering Dogwood 3" Cal, 12" Ht., 65G or 36" B&B	EA	2	\$1,800.00	\$3,600.00	
Magnolia virginiana Sweetbay Magnolia 3" Cal, 12" Ht., 4" Spd, 65 G or 36" B&B	EA	3	\$2,100.00	\$6,300.00	
Solix spicata Weeping Willow 4" Cal, 14" Ht., 4" Spd, 100 G or 40" B&B	EA	1	\$2,900.00	\$2,900.00	
Prunus umbellata Flatwoods Plum 2" Cal, 10" Ht., 65G or 36" B&B	EA	3	\$1,800.00	\$5,400.00	
Subtotal Tree Installation		18		\$34,400.00	

San Jose Acres Park - 2965 Caballero Dr.				
Description	Unit	Quantity	Unit Price*	Extended Price
Quercus virginiana Live Oak 4" Cal., 14' Ht., 8" Spd., 100 G or 40" B&B	EA	2	\$2,500.00	\$5,000.00
Subtotal Tree Installation				
		2		\$5,000.00
Bishop Circle Park - 5661 Bishop Circle				
Description	Unit	Quantity	Unit Price*	Extended Price
Quercus virginiana Live Oak 4" Cal., 14' Ht., 8" Spd., 100 G or 40" B&B	EA	4	\$2,500.00	\$10,000.00
Subtotal Tree Installation				
		4		\$10,000.00
G.E.N.A. Park - 4603 Clinton Ave.				
Description	Unit	Quantity	Unit Price*	Extended Price
Quercus muhlenbergii Nuttall Oak 4" Cal., 14' Ht., 4" Spd., 100 G or 40" B&B	EA	1	\$2,400.00	\$2,400.00
Lobelia sp. "Natchez" Cape Myrtle 4" Cal., 14' Ht., 8" Spd., 100 G or 40" B&B	EA	3	\$2,300.00	\$6,900.00
Subtotal Tree Installation				
		4		\$9,300.00
Inwood Terrace Pond - 2176 Falch Ave.				
Description	Unit	Quantity	Unit Price*	Extended Price
Taxodium distichum Bald Cypress 4" Cal., 14' Ht., 8" Spd., 100 G or 40" B&B	EA	14	\$2,100.00	\$29,400.00
Acer rubrum Red Maple 4" Cal., 14' Ht., 8" Spd., 100 G or 40" B&B	EA	5	\$2,300.00	\$11,500.00
Pinus engelmannii Longleaf Pine 4" Cal., 14' Ht., 4" Spd., 100 G or 40" B&B	EA	4	\$2,400.00	\$9,600.00
Platanus sp. American Sycamore 4" Cal., 14' Ht., 8" Spd., 100 G or 40" B&B	EA	5	\$2,200.00	\$11,000.00
Subtotal Tree Installation				
		28		\$61,500.00
Lillian Saunders Center - 2759 Barclay Circle				
Description	Unit	Quantity	Unit Price*	Extended Price
Ilex glabra "East Palatka Holly" 4" Cal., 14' Ht., 4" Spd., 100 G or 40" B&B	EA	4	\$2,200.00	\$8,800.00
Betula nana River Birch 4" Cal., 14' Ht., 4" Spd., 100 G or 40" B&B	EA	2	\$2,100.00	\$4,200.00
Subtotal Tree Installation				
		6		\$13,000.00
Huguenot Park - 3145 Nahn Rd.				
Description	Unit	Quantity	Unit Price*	Extended Price
Quercus muhlenbergii Nuttall Oak 4" Cal., 14' Ht., 4" Spd., 100 G or 40" B&B	EA	3	\$2,400.00	\$7,200.00
Acer rubrum Red Maple 4" Cal., 14' Ht., 8" Spd., 100 G or 40" B&B	EA	2	\$2,300.00	\$4,600.00
Subtotal Tree Installation				
		5		\$11,800.00
* Dead/Dying Crapemyrtle for removal - Verona Park - 6-10" Caliper	EA	8	\$650.00	\$5,200.00
Total Installed Trees				
		195		\$452,600.00

### LEVEL 2 COMMUNITY ORGANIZATION TREE PLANTING PROGRAM

The form below provides individual citizens and organizations with the opportunity to suggest a location for a tree planting project within Duval County that proposes to use funds from the City of Jacksonville Tree Protection and Related expenses Trust Fund. If a citizen or organization is interested in suggesting a planting location for the City to implement, then this form should be used.

#### Requirements to utilize this Program:

1. The location of the proposed planting must be:
  - a. In Duval County; and
  - b. On public property, such as a road right-of-way; a local, state or national park; Duval County School Board property, etc.

The following information must be provided:

1. Name/Title of Project: *District 5 Tree Planting – Verona Park*
2. Legal Name of Organization/Citizen Making Suggestion: *Ryan Fryman (residential request through District 5 Councilmember Cumber)*
3. Organization or Citizen Mailing Address: *7155 San Fernando Rd.*
4. Contact Phone Number: 255-7906 Email: *kmcgovern@coj.net*
5. Location/Address of Planting Project: *Verona Park – San Fernando Rd.*
6. Has project information been shared with the Council Member of the district? Yes
7. Rationale for Project (include information about the public benefit of the project): *Fill in areas impacted by heavy tree loss from hurricane/tropical storm damage over previous years, add shade to common areas.*
8. Description of project: *Met with neighborhood residents; planting plan is in response to request for shade trees along perimeter of park, leaving open space for field play access. Fill in areas that have lost shade trees over recent years to address concern over loss of canopy in the park.*

If a citizen/organization is interested in proposing a project that they want to administer and implement, a more comprehensive application (Level 3) can be found at the following link: <http://www.coj.net/departments/public-works/tree-commission>.

## LEVEL 2 COMMUNITY ORGANIZATION TREE PLANTING PROGRAM

The form below provides individual citizens and organizations with the opportunity to suggest a location for a tree planting project within Duval County that proposes to use funds from the City of Jacksonville Tree Protection and Related expenses Trust Fund. If a citizen or organization is interested in suggesting a planting location for the City to implement, then this form should be used.

### Requirements to utilize this Program:

1. The location of the proposed planting must be:
  - a. In Duval County; and
  - b. On public property, such as a road right-of-way; a local, state or national park; Duval County School Board property, etc.

The following information must be provided:

1. Name/Title of Project: *District 5 Tree Planting – Brown L. Whatley Park*
2. Legal Name of Organization/Citizen Making Suggestion: *CM Carlucci*
3. Organization or Citizen Mailing Address: *San Jose Blvd.*
4. Contact Phone Number: *255-7906* Email: *kmcgovern@coj.net*
5. Location/Address of Planting Project: *Brown L. Whatley Park – 1507 Alexandria Pl.*
6. Has project information been shared with the Council Member of the district? Yes
7. Rationale for Project (include information about the public benefit of the project): *Fill in understory tree canopy with trees to increase stormwater intake and improve quality of park.*
8. Description of project: *Understory tree plantings to supplement existing site; increase erosion control and stormwater uptake in the park along creek boundary.*

If a citizen/organization is interested in proposing a project that they want to administer and implement, a more comprehensive application (Level 3) can be found at the following link: <http://www.coj.net/departments/public-works/tree-commission>.

## Level 2 - Community Organization Tree Planting Program Staff Checklist

Total number of trees to be installed 195

Project Title: District 5

Total number of trees to be removed 8

Tree Planting

Project is to be planted on Public Land

Project is located in Duval County

	Activity		Complete
1	The species of trees are appropriately located.	✓	✓
2	The number and placement of trees is appropriate.	✓	✓
3	Trees being planted are approved pursuant to the 'Tree Commission Approved Tree Planting List.'	✓	✓
4	Shade Trees are preferred; if non-shade trees are proposed, the use is appropriated/acceptable.	✓	✓
5	Less than 25% of the total species of trees being planted are palms.	✓	✓
6	The planting will not interfere with utilities or sight line requirements.	✓	✓
7	The project does not include incidental landscaping. If so, the applicant must justify the reason for its inclusion.	✓	✓
8	Construction required? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> If yes, are costs reasonable?	✓	✓
9	Irrigation installed? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> If yes, are costs reasonable?	✓	✓
10	The cost of the species of trees selected do not outweigh the benefits of the trees.	✓	✓
11	Low maintenance plants are utilized.	✓	✓
12	Location of plant material and irrigation (if applicable) has minimum adverse impact over time on infrastructure such as walks and roads.	✓	✓

6

Activity	Complete
13 Species of trees being planted are beneficial to the City's tree canopy.	✓
14 The project provides unique benefit to the neighborhood, Council District, or City.	✓
15 The project has been reviewed with and meets the needs of the requesting entity.	✓
16 The Councilmember has been notified of the project.	✓

**COMMENTS:**

8 DEAD/DYING SPARE MYRTLE FOR REMOVAL AT VERONA PARK 6-10" CALIPER

# Crabtree Park

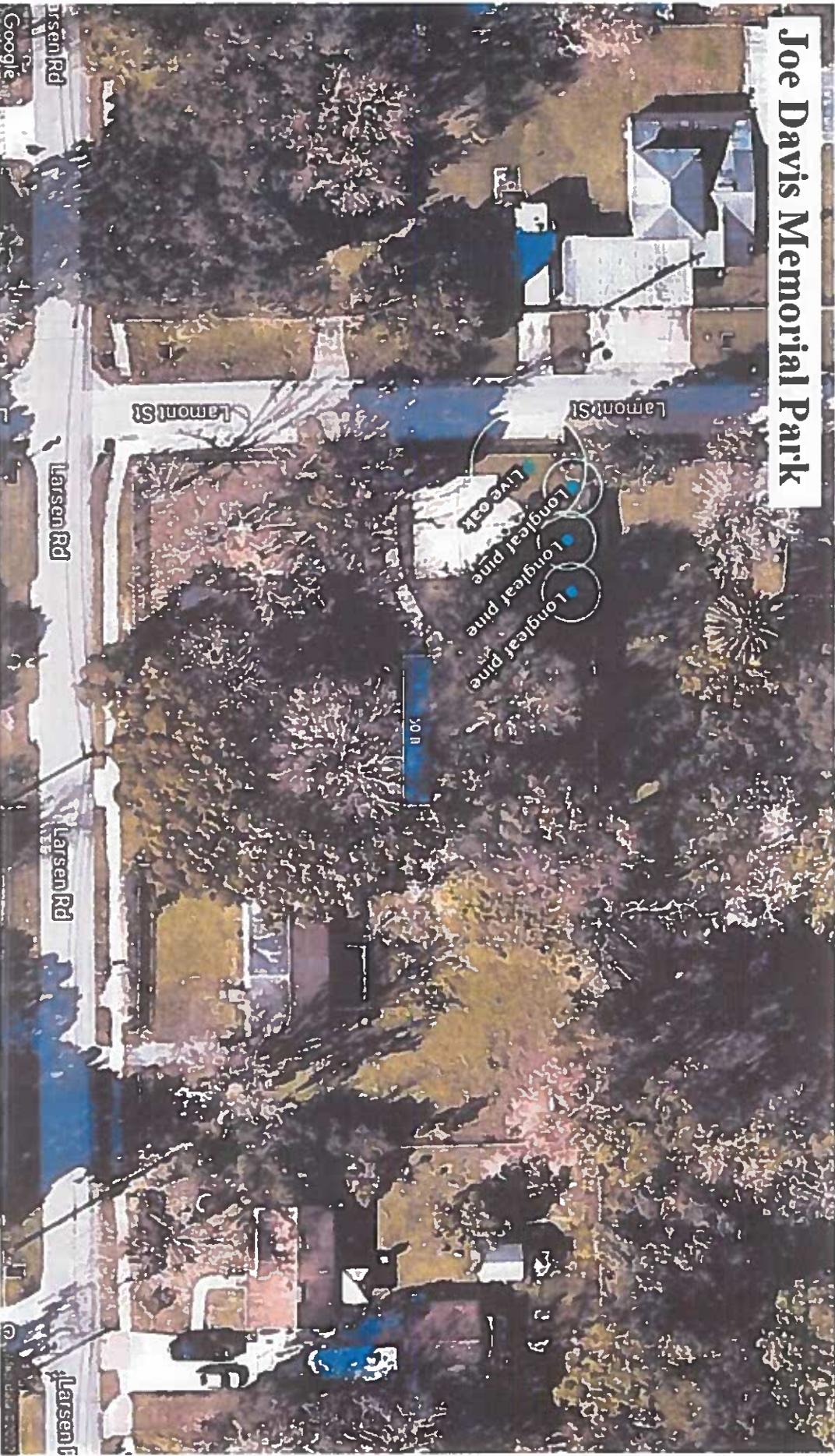


# EARL JOHNSON



Map 18  
Earl Johnson

# Joe Davis Memorial Park



Larsen Rd

Lamont St

Lamont St

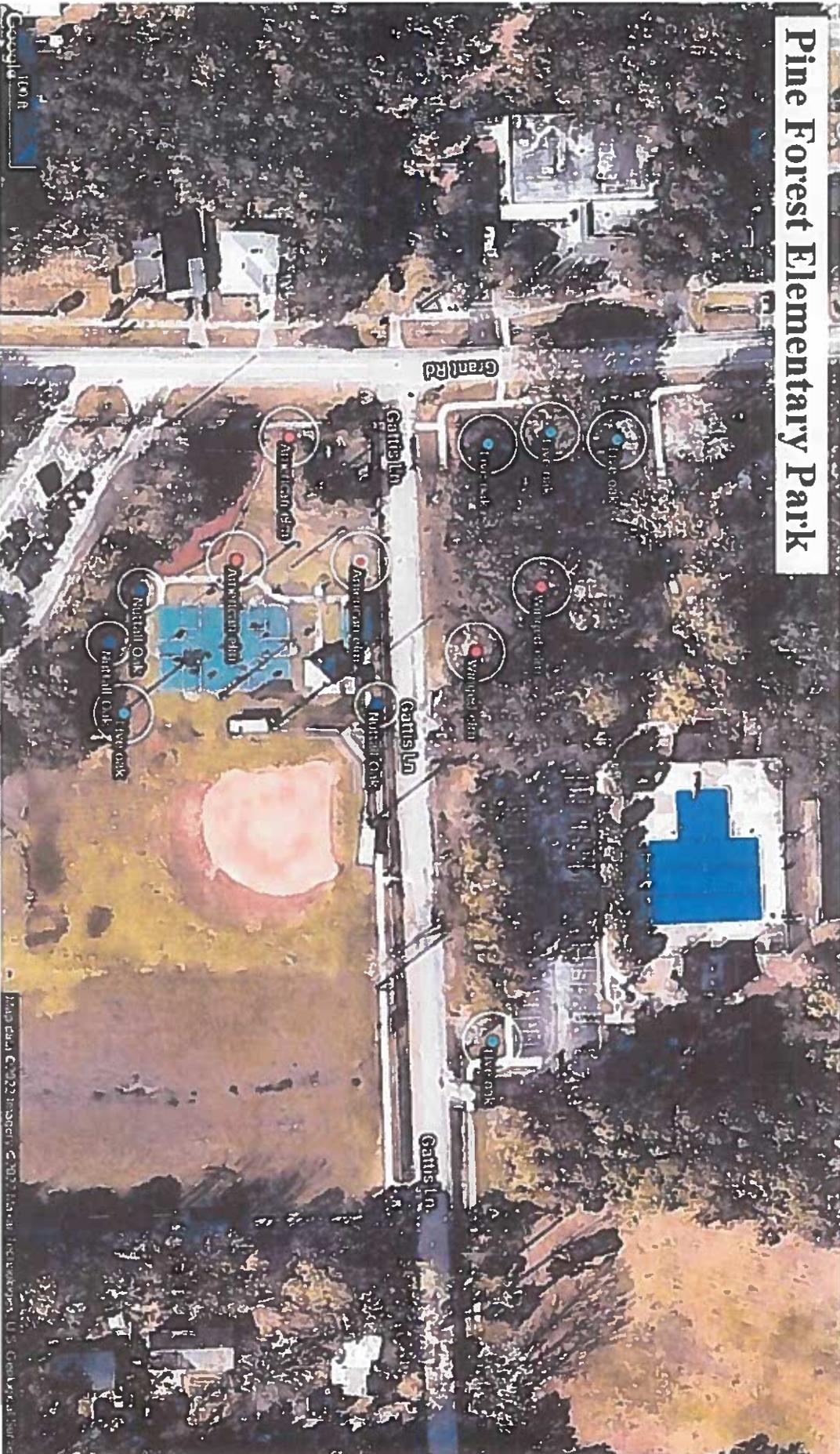
Larsen Rd

Larsen Rd

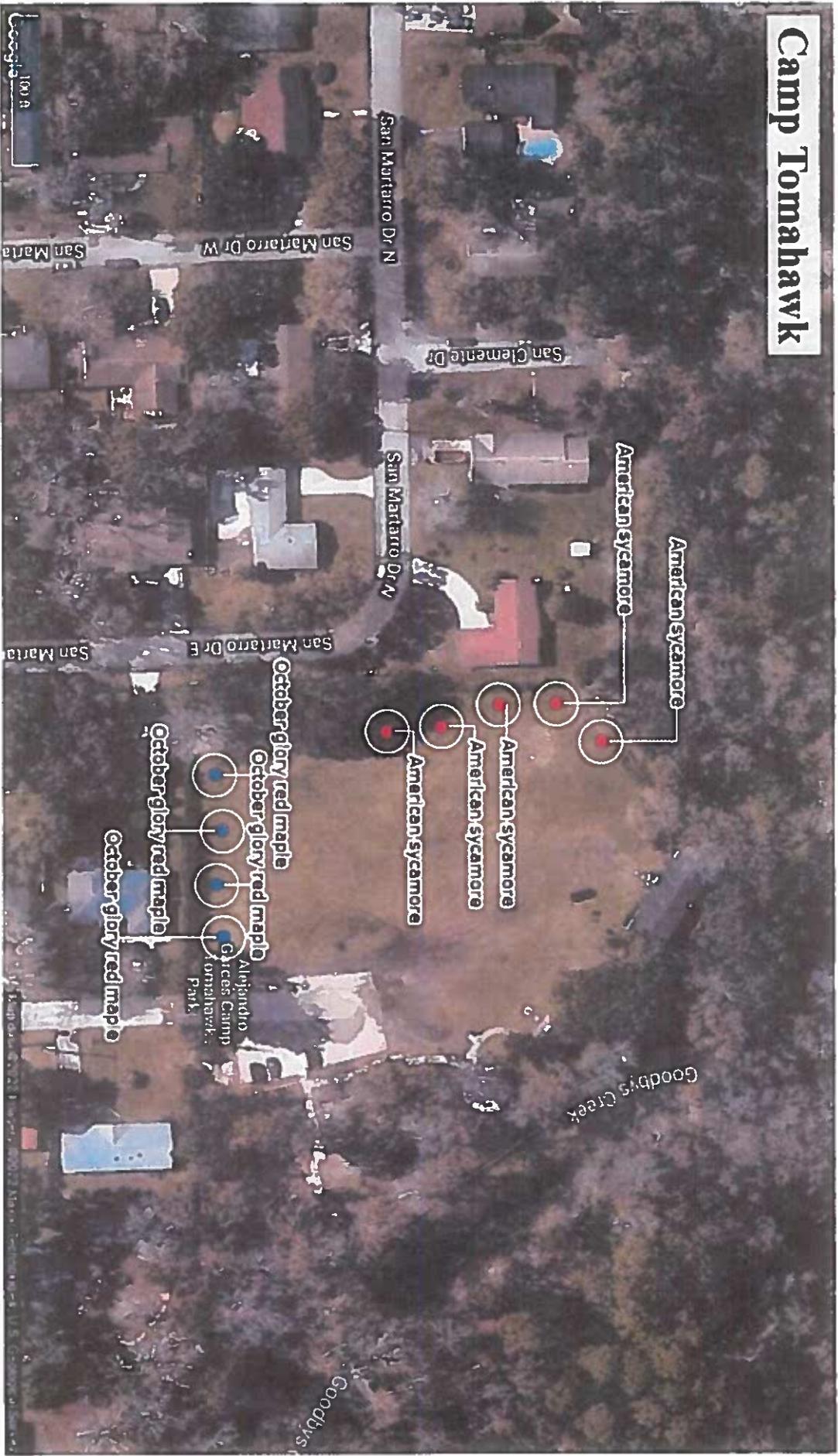
Larsen Rd

Google

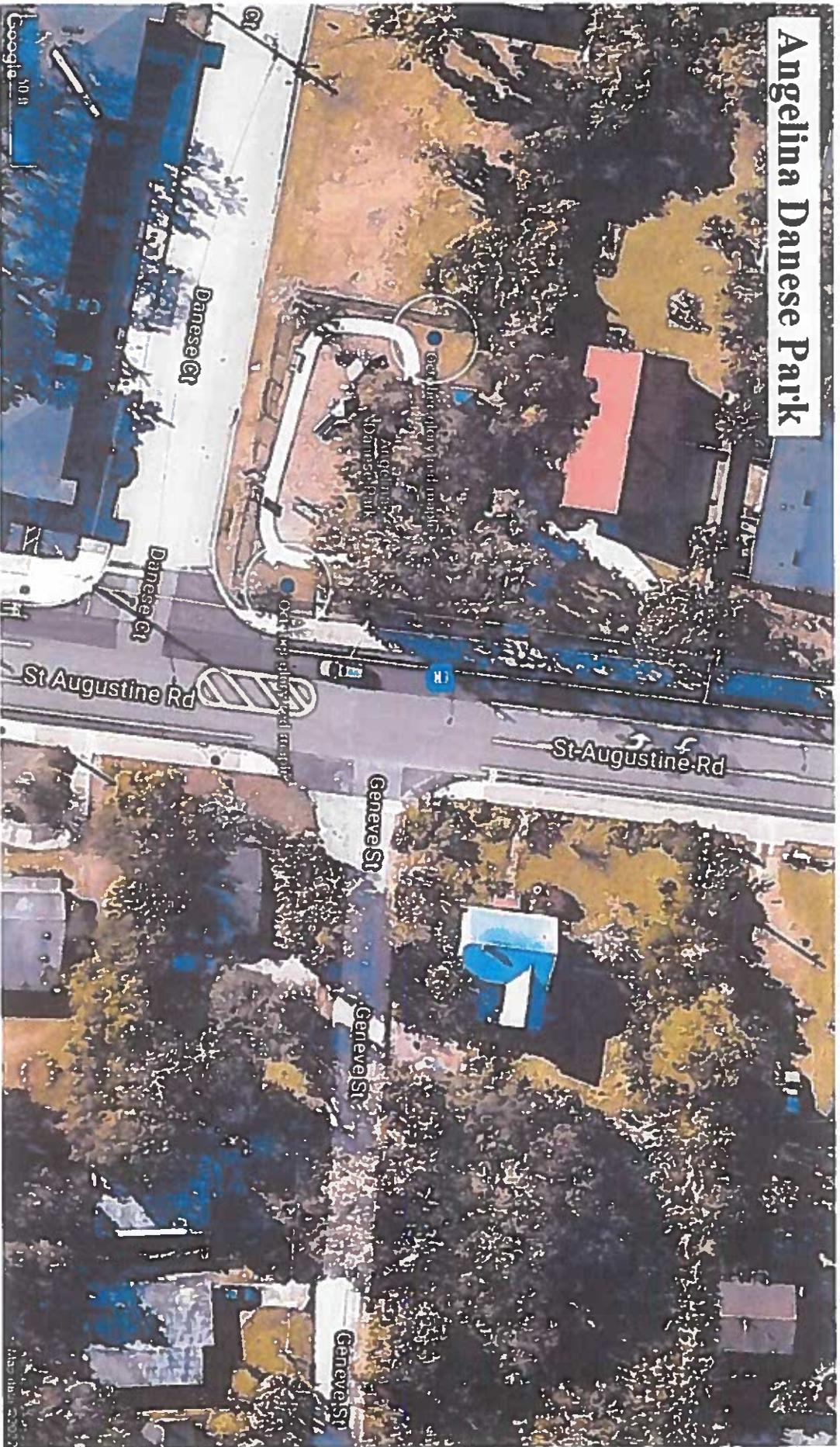
# Pine Forest Elementary Park



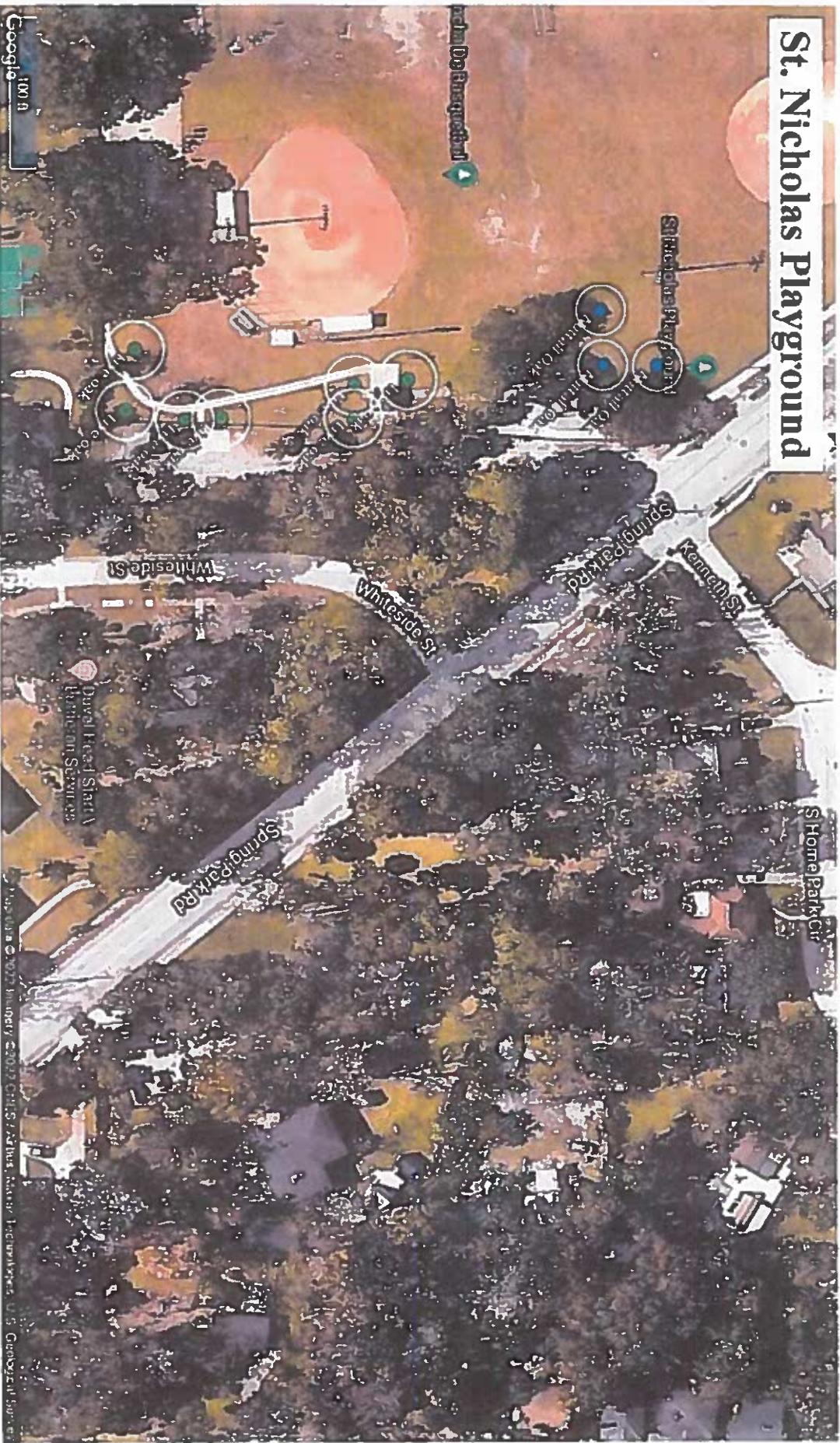
# Camp Tomahawk



# Angelina Danese Park

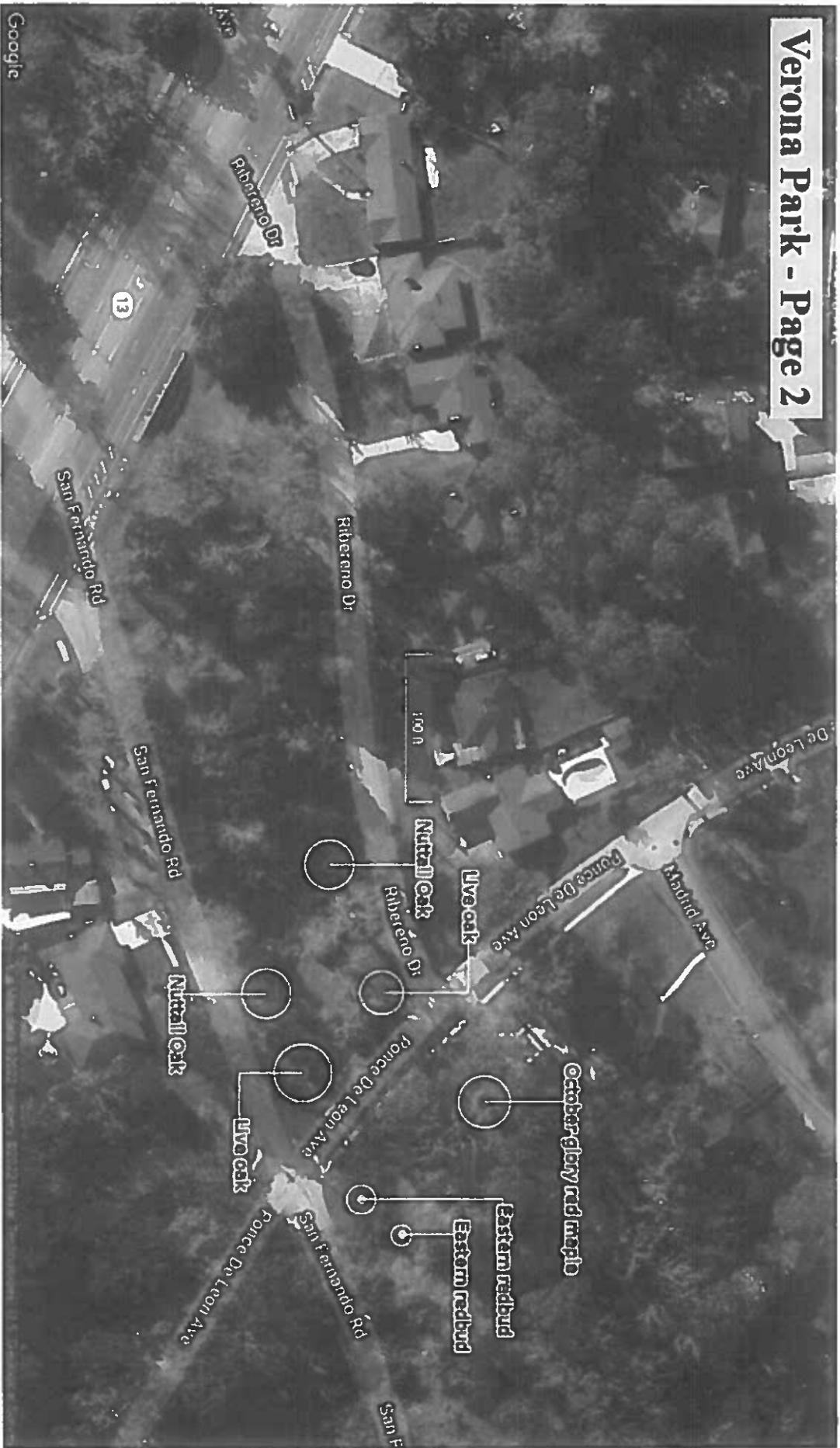


# St. Nicholas Playground





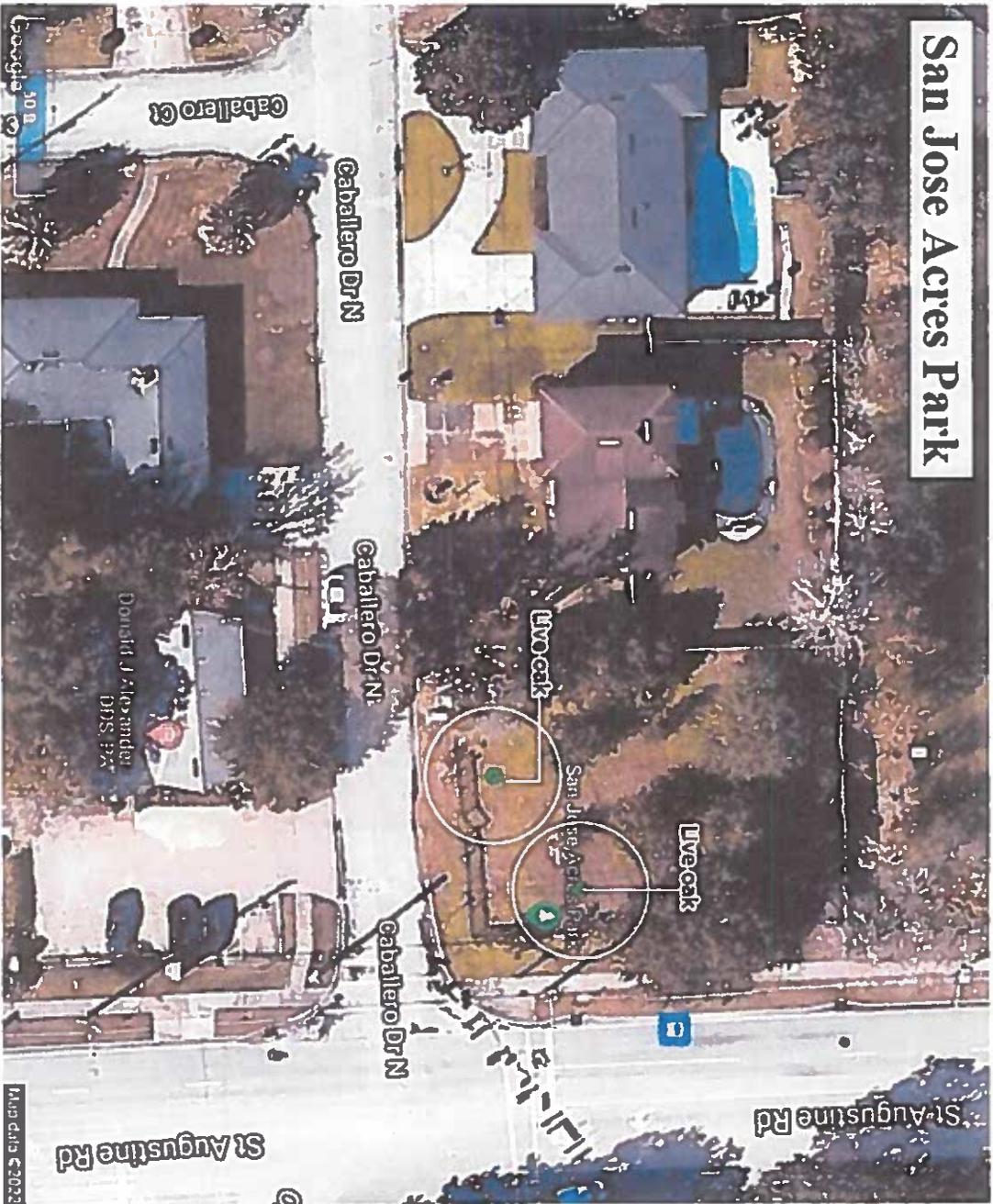




# Brown L. Whatley



# San Jose Acres Park



# Bishop Circle Park

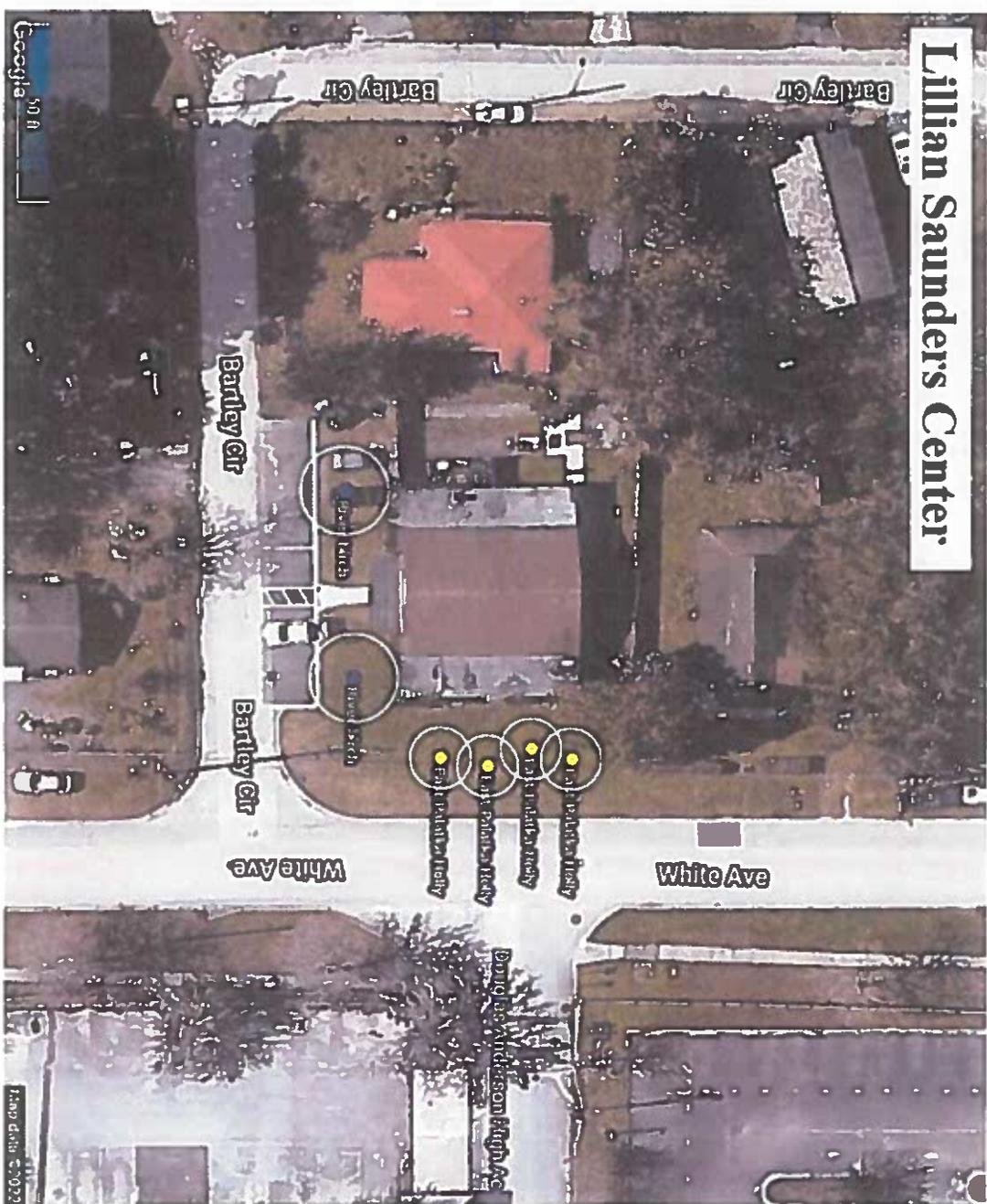


# G.E.N.A. Park

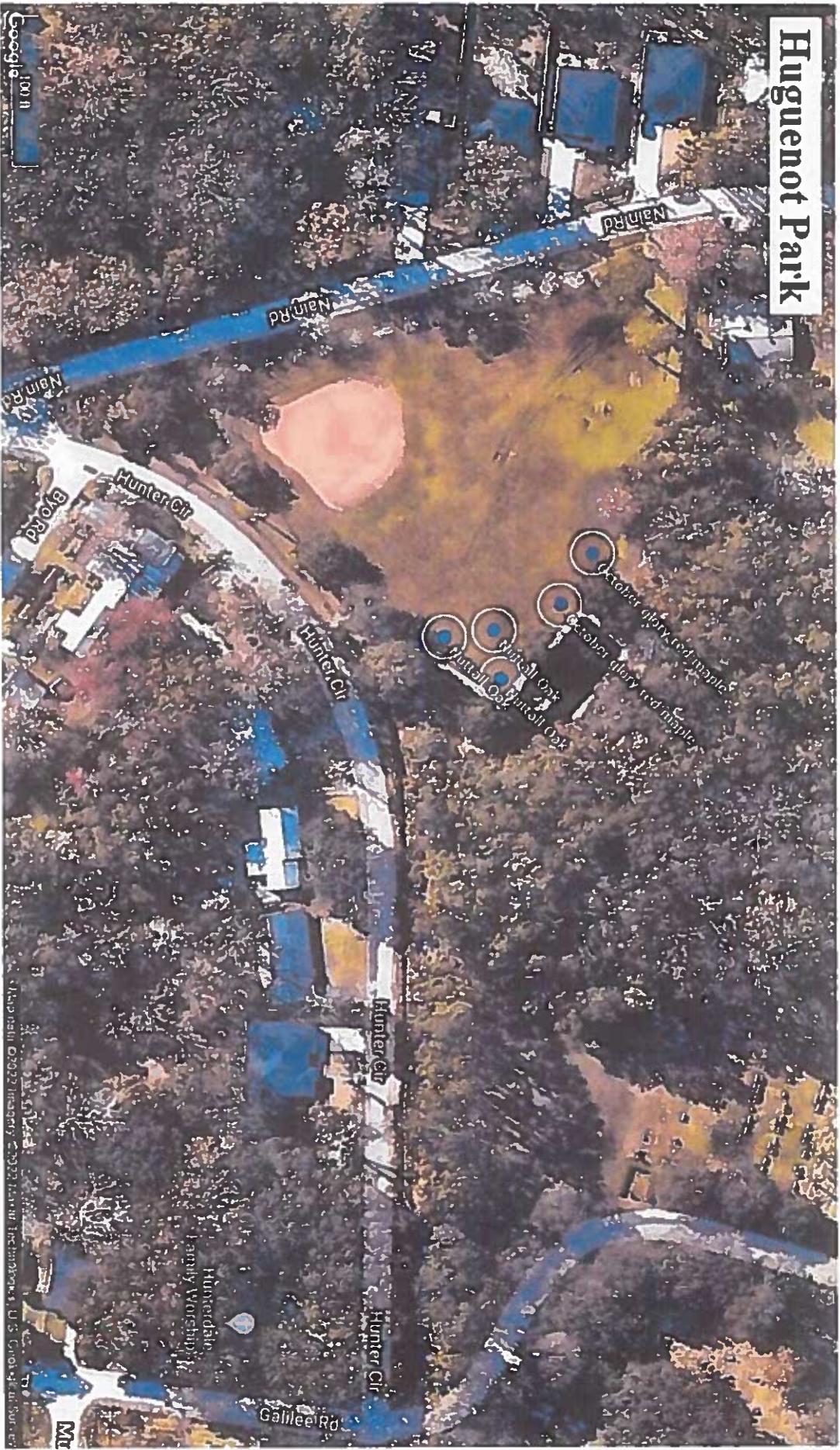


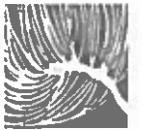


# Lillian Saunders Center



# Huguenot Park





**Pittman**  
LANDSCAPE ARCHITECTURE

ecological site design  
master planning  
urban design  
tree mitigation  
public participation  
landscape illustration  
4049 San Severa Dr. North  
Jacksonville, Florida 32217  
ph 904 327 7718  
fax 904 739 3068  
www.pittmanLA.com

Attachment D

March 30, 2022

Dear Tree Commission Members :

First, let me thank you for your service to the City in working diligently and effectively as stewards of the Tree Protection and Related Expenses Trust Fund. It is gratifying to see those funds being directed as intended toward replanting trees in the public realm and in funding projects to help manage our urban forest.

I am writing as a registered landscape architect and a certified arborist who works daily with the City's landscape and tree ordinance. As a landscape architect, I routinely design for property owners and developers who are filling the coffers of that trust fund and am often the one preparing the calculations that determine the amounts. As an arborist, I regularly prepare tree evaluation reports that require me to don protective clothing and dive deep into remnant forests and overgrown thickets throughout the city, on properties destined to be cleared and developed. This is to underscore my familiarity with the code requirements and with the lands to which they pertain.

I have petitioned the city on this issue before, to no avail, and wish to make a formal request that you urgently consider amending the code regarding palm trees. All palms are protected within public rights-of-way, and on private land within 20 feet of a right-of-way. Cabbage palms (Sabal palmetto) are protected on private property interiors. Simply put, palms are not really trees but grasses (monocots). Trunk size for palms is not a determinant of age as it is with true trees. The code uses diameter at breast height (DBH) to assign protected status and dollar value to individual trees. This makes sense broadly in assuming larger trunk sizes support larger, older, and potentially more valuable trees as measured in a number of ways, particularly in terms of ecology and aesthetics. This is not the case with palms. I suggest if older is better, then palms should be measured and valued by their height and not their DBH. I witness many palms that are barely 6-foot tall with 1.8-inch trunks, which might put them at 20 or so years old—and which might equate to a 1.2-inch oak tree, whereas I also witness cabbage palms that are 30-foot tall with a DBH of 8-inches—unprotected in an interior property—that might be well over 100 years old.

Also in this same vein, because palms come out of the ground with mature trunk sizes, they are often at protected size as soon as an actual trunk can be discerned. I have worked with City staff reviewers in agreeing to a 6-foot clear trunk height as the minimum standard for being protected, but this is not codified and has not even been established via City Bulletin.

Another fundamental flaw in using DBH to measure palms is the "boots" or dead fronds that very often are still on the trunk when they are measured. This creates tree sizes that are much greater than the actual trunk beneath, so the owner or developer is, in essence, paying for air.

In summary, I would ask you to consider amending the code with all due haste to base protected status for palms on height, not DBH, and to establish 6-foot clear trunk as the minimum protected height. This amendment is far overdue, with too much money spent on air and too many valuable palms lost by applying our current code requirements.

Sincerely,



Buck Pittman, MLA, PLA  
President

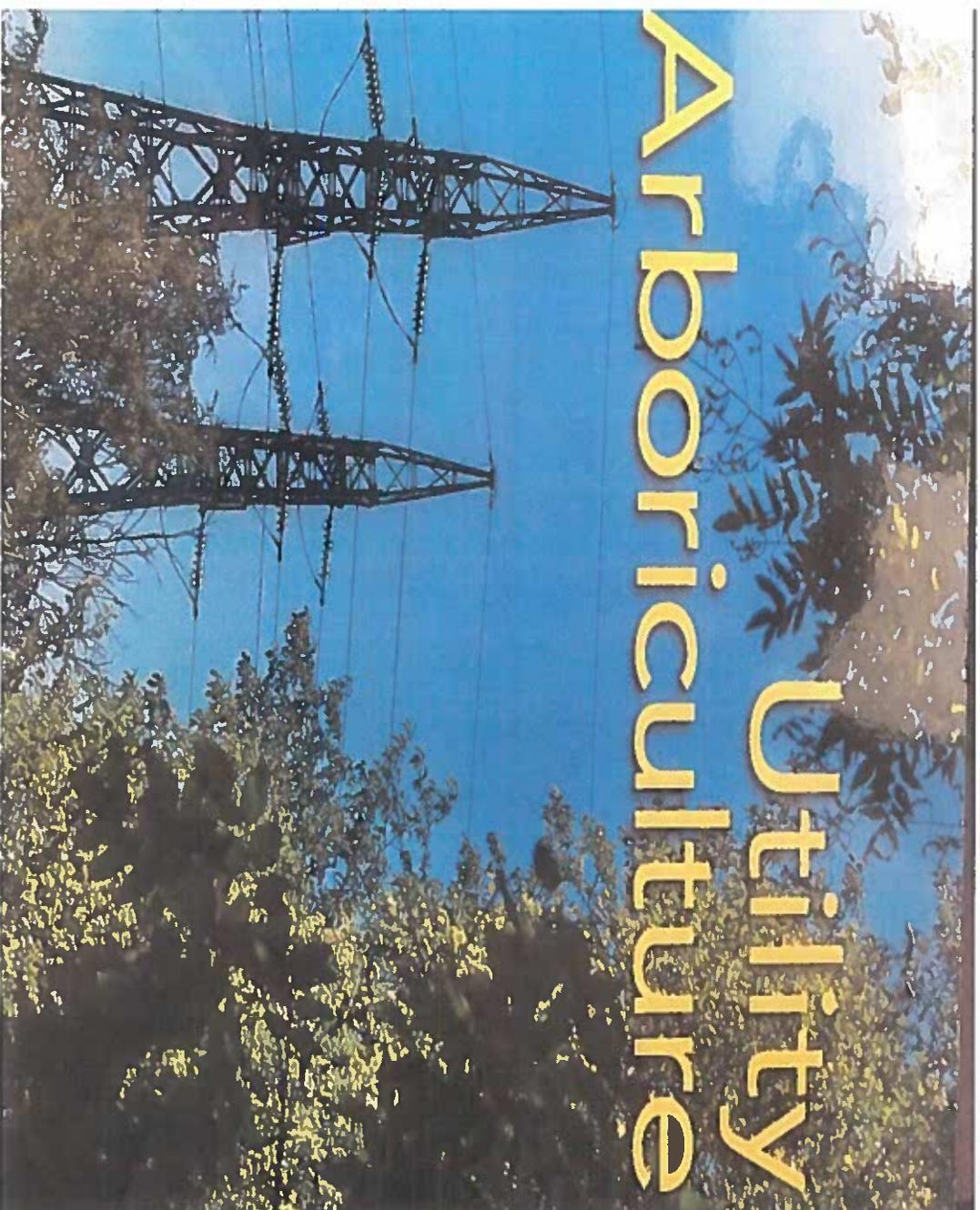
**Pittman Landscape Architecture**  
Reg # LA1601

Cc: Hon. Matt Carlucci, Hon. LeAnna Cumber, Eilyn Cavin

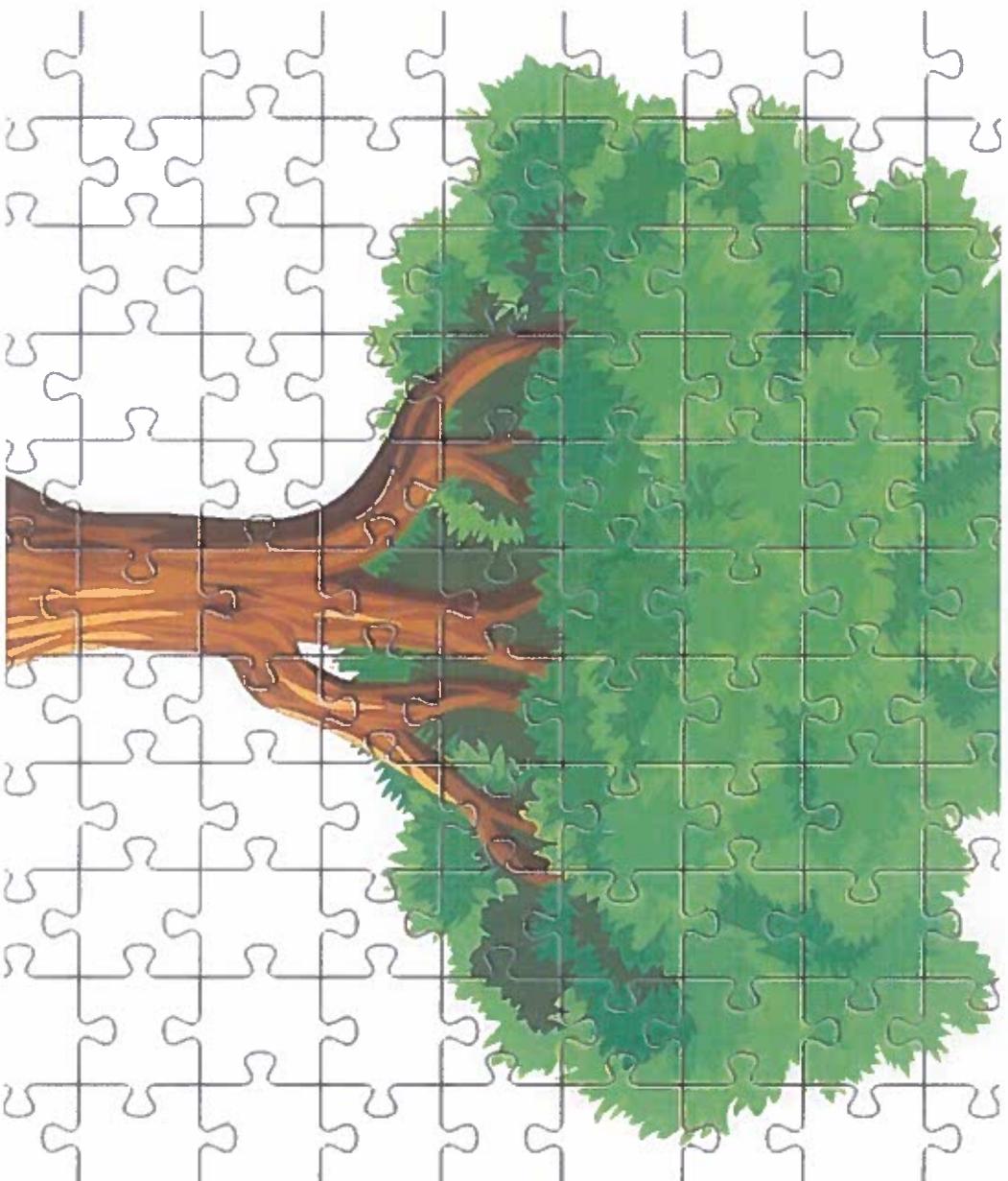
Attachment E

# Utility Line Clearance Routine Cycle Pruning



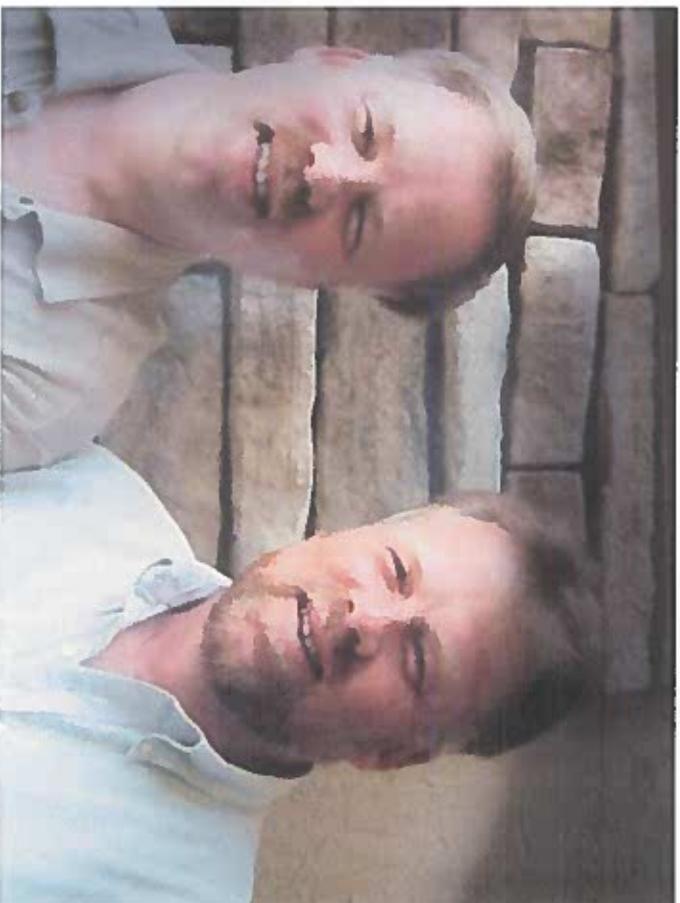
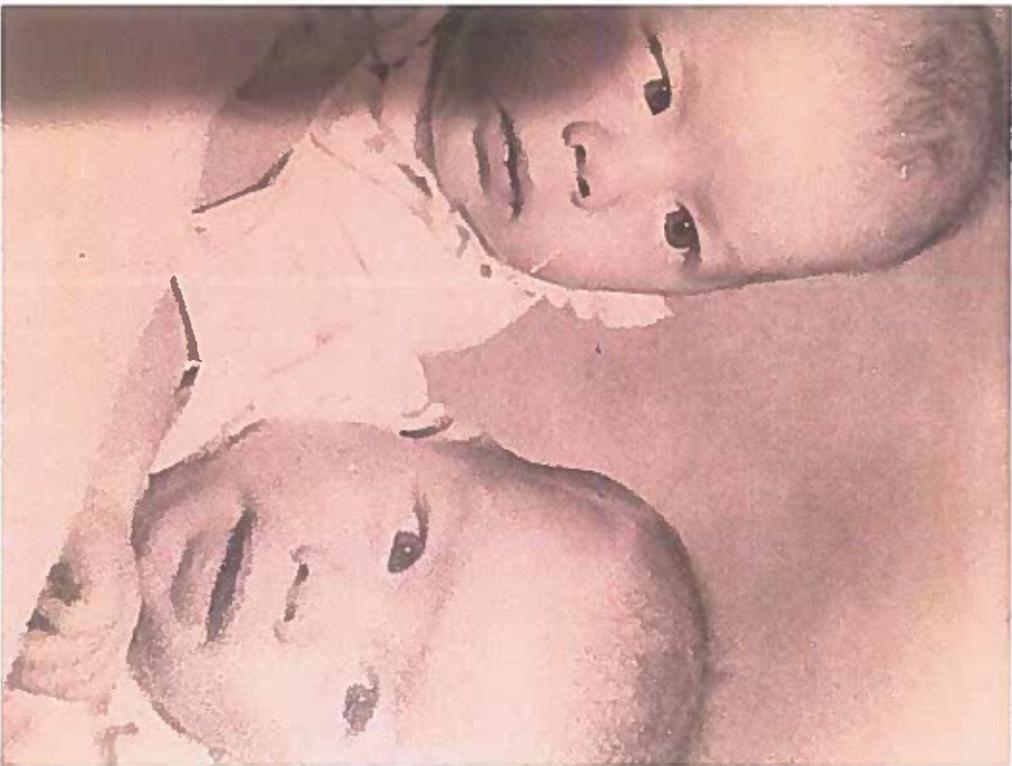


Electrical Distribution Systems of Utilities + Chemical Distribution  
Systems of Trees and Canopies.



**Urban Forestry** is a large, comprehensive puzzle with many pieces with different shapes and forms. Utility Arboriculture is just one piece of the puzzle.

# At First Glance



# JEA vs. COJ



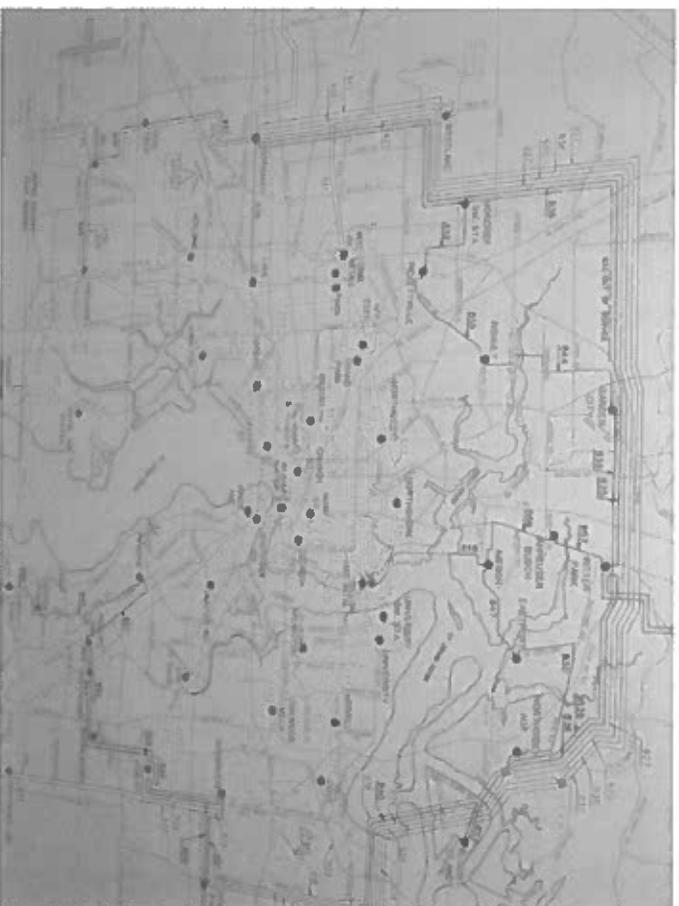
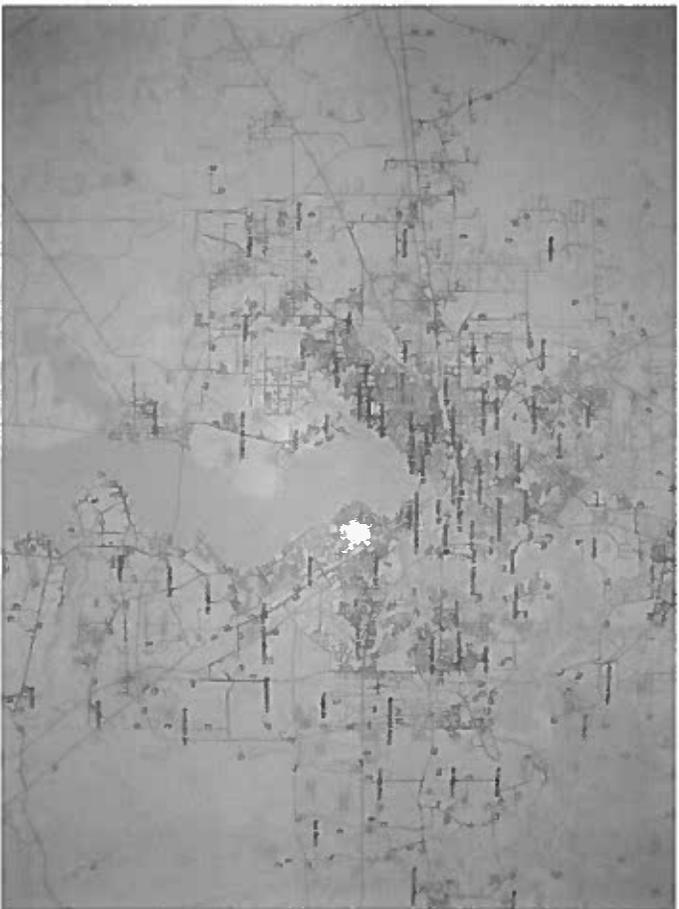
# JEA's piece of the puzzle



# JEA Electrical Distribution Circuits



# Distribution & Transmission



# Routine Cycle Trimming

## General Overview

- JEA Service Territory
- Operational Territories
- Organizational Overview
- Building Community
- Function, or Purpose
- Jurisdictions
- General Standards & Specifications
- General Line Clearance Operations
- General Annual Analytics
- Utility Restoration Pruning
- Disclosures & Limitations
- Vegetative Debris
- Brief History

# Overview Excerpts

- Vegetative staff are ambassadors enabling customers to realize the value of Veg Mtg.
- JEA's Veg. Mgt. program is larger than the routine cycle pruning program.
- Primary function is preventative maintenance for JEA utilities.
- JEA distribution circuits are on a 2.5 year cycle.
- Pruning is for utility purposes, to mitigate utility hazards, and where insulated equipment, or line clearance skills are required.

- **Studies, history, and experience support that a consistent, systematic, proactive approach to vegetative management is more efficient, advantageous, cost effective, and safer than a reactive management approach.**

# Power, Water, Sewer, Communications

The National Academy of Engineers

recognized that the greatest engineering achievement of the 20<sup>th</sup> century was, not the Internet, not the i-phone, not a man on the moon, but **Universal Access** to utilities – power, water, and sewer - in every home & business.

Dear Mr. Joe Anderson

I thank you for teaching  
us about trees. Now I  
want to plant a tree  
in my back yard. You told us  
many things about trees.  
Now when I grow up I  
want to work with  
the J.F.A. You guys are  
awesome!!!

**Function:** The primary function is to implement vegetative management (VM) and preventative maintenance for JEA utilities. Operations are designed to uphold the intended use of electrical systems; to advance safe and reliable electrical service from vegetative conflicts and hazards; enable the installation of new amenities; provide access for utility workers; and to provide public assistance and solutions to utility and vegetative issues. Procedures include, but not limited to, pruning trees, limbs, brush, or other vegetation, which have become a risk or liability to public safety and service. Responsibilities are not confined to electrical facilities and may include JEA water and wastewater facilities. JEA Vegetative Management uses a systematic, integrated Vegetation Management (IVM) approach. This includes identifying problem trees and vegetation, establishing action thresholds, and implementing a variety of

**Building Community:** The VM embodies the same philosophies, goals, and ambitions as JEA. VM staff are ambassadors for JEA and play a large part of enabling customers to realize the value and benefits of VM. This is particularly important because VM activities are highly visible, and once complete, the results are always on display. Supporting JEA's mission through actions, decisions, performance, and conduct is part of an effort to *Building Community*. VM practices are in place to advance the strategic initiatives to winning customer loyalty, developing business excellence, and developing an unbeatable team.

**Organizational Overview:** JEA Vegetative Management section (a.k.a JEA Forestry) oversees preventative maintenance activities and operations within JEA's electrical operations. It is a branch of the Transmission & Distribution (T&D) Preventative Maintenance Department that maintains all electrical transmission and distribution facilities (approx 729 miles of transmission lines and 6,547 miles of distribution lines). JEA's professional foresters, vegetative specialists, certified arborists and engineers work to provide safe and reliable utility services compatible with a sustainable and resilient urban and peri-urban tree canopy.

**Operational Territories:** JEA's Vegetative Management section divides the service area into three separate territories - Westside, Northside, and Southside. The territories are determined by Substations; and therefore, characterized by circuits.

**JEA's service territory** JEA primarily serves Duval County, Florida. The service area includes portions of Clay, Baldwin, Nassau, and St. Johns County. Service area covers more than 918 square miles; which incorporates over 7,000 miles of overhead electrical transmission and distribution lines; and an estimated 478,000 electrical customers.

JEA  
Vegetation Management/Line Clearance for Electrical Service  
Routine Cycle Pruning  
General Overview

prescribed treatment options; to include, but not limited, to pruning cycles, pruning standards, tree removals, mowing, and herbicide treatments.

**Jurisdiction:** All work performed in the City of Jacksonville's General Services District shall be in accordance with COJ annual *permit to tree trim and remove trees* as provided COJ Ordinance Code Chapter 656.1206 par. (f). In this permit, the COJ gives JEA, and its representatives, blanket permission to perform tree trimming or removal as required in the public right of way to a line drawn vertically at the outer boundary of the subject right of way.

**General Standards & Specifications:** At the discretion of the JEA Vegetation Management Specialist and/or Arborist, vegetation management practices shall adhere to the ANSI Z133 safety specifications for Arboricultural Operations, the ANSI A300 specifications for Tree Care Operations, and ANSI A300 (Part 7) for Electric Utility Rights-of-way.

**General Line Clearance Operations:** Pruning for preventative maintenance is best done on a regular, cyclic basis. The majority and bulk of VM for preventative maintenance is accomplished through routine cycle trimming/pruning. JEA Circuits are routinely pruned on a 2.5-3 year cycle. Line clearance operations are completed by Qualified Line-Clearance contractors. Clearance specifications are set to hold cycle (veg. will not overtake utilities prior to the next scheduled pruning), and sustain system reliability, under normal weather, growth patterns, and site conditions of adjacent vegetation.

**General Annual Analytics:**

- 100 miles/Qt/territory = 1,200 trimmed per year
- 1,200 mls x 2.5 cycle = 3,000 mls trimmed per cycle
- Production Costs = \$3,000 per mile = \$3,600,000 per year.

**Utility Restoration Pruning:** When restoring power or other utility services, due to tree failure from storm or natural causes, pruning practices may be limited to the pruning necessary to provide access and safe working conditions for utility crews to restore power. Utility restoration pruning may be completed by line crews not subject to VM pruning practices. Corrective pruning methods should be employed if and when practical under defined goals and objectives. Completion of tree work should be referred to responsible persons or parties (COJ, or private property owners).

**Disclosure & Limitations:**

- **ANSI Standards & Specifications** are intended as a guide to federal, state, and local authorities in drafting regulations and may be adopted in whole or in part. ANSI Standards are not intended to limit available options to emergency responders.
- **Power-line clearance and/or electric Utility pruning** is a highly specialized type of arboriculture, with added risks. Pruning may require practices and techniques outside the scope of traditional landscape pruning guidelines.



**Brief History:** The history of JEA's Vegetative Management section follows the evolution of vegetative management within the utility industry. Historically, "hot spotting" was business as usual. Contracted tree crews were dispatched on an on-call base - a reactive or corrective course of action primarily driven by outages, existing hazards, customer complaints, or patrol reports. JEA began its evolution toward the more efficient, effective, and proactive cyclic approach on Monday, November 12, 1979 with the birth of its Vegetative Management section. Originally JEA Contract Administration, a Forestry Supervisor, and three Urban Foresters were charged with developing a consistent, systematic, preventive maintenance approach to vegetation management. In 1997 the International Society of Arboriculture (ISA) Research Trust published a study in the *Journal of Arboriculture*, titled *The Economic Impacts of Deferring Electric Utility Maintenance*. The study found that deferring maintenance through a hotspot approach resulted in increased maintenance cost. The proactive vegetative management program was responsive to a maturing industry with a number of reorganizations and restructurings. In March of 2007, the Federal Energy Regulatory Commission (FERC), developed mandatory standards that required utilities to develop a formal Vegetative Management program. Federal, state, and local regulations, safety standards, reliability requirements, technology, personal skills, and cost-effective techniques continue to influence and improve cycle-based, and integrated vegetative management strategies, in order to proactively meet the demands placed upon a safe and reliable utility provider.

- **Debris from Tree Failure Due To Storms & Natural Causes:** JEA Forestry is not responsible for debris removal of trees, or tree parts, falling from private property, into City right-of-way as a result of storms, natural causes, or private tree removal operations. JEA is responsible for restoring downed electric lines caused by tree damage. JEA Forestry is responsible for removing any fallen tree, or portions of, that inhibit access and JEA's ability to restore power safely and effectively. The homeowner is responsible for removing downed trees on private property, including damage where the electric wires attach to the house, the homeowner must also hire an electrician to make repairs before we can restore power to your house.
- **Debris Removal with "Assists:** Debris removal is not a provided service for the removal of debris associated with tree work assistance for COJ contract crews, commercial contractors, or homeowners. Debris removal should be part of the job specifications and costs associated with the primary entity engaged in tree trimming/removal.

**DEFINITIONS:**

- **Action Threshold:** The maximum acceptable level(s) of plant characteristics that initiates corrective action, or control methods.
- **ANSI:** American National Standard Institute
- **Arboriculture:** The practice and study of the care of trees and other woody plants.
- **Arborist:** A professional title, with an ISA arborist certification, having the proper experience, education, and training to competently supervise contract tree crews.
- **COJ:** City of Jacksonville
- **Integrated Vegetation Management:** The use of a variety of available control methods to establish and maintain compatible vegetation and plant communities. Methods include, cultural, biological, chemical, physical, and genetic.
- **ISA:** International Society of Arboriculture
- **J.S.E.B.:** Jacksonville Small and Emerging Business
- **Minimum Vegetative Clearance Distance (MVCD):** calculated minimum distance between conductors and vegetation to prevent fault, spark-over, service interruptions, or system failure, for various operating voltages.
- **Minimum Approach Distance:** Safe working distances from overhead electrical conductors as defined in Table 1 & 2 of ANSI Z133 (4.1.4).
- **Public:** customers in the JEA service territory
- **Right-of-way (ROW):** The ROW shall be considered legally granted access and property rights acquired for construction and maintenance of JEA facilities.
- **Utility Line-Clearance:** Selective removal of vegetative-related risks factors, especially tree branches, which could affect electric supply lines or other utility facilities and equipment.
- **Vegetation Management Specialist:** A professional title, with an ISA arborist certification, with the proper experience, education, and training to competently supervise an integrated vegetation management program to ensure efficient line and right-of-way clearance and maintenance.
- **Qualified Utility Line Clearance Contractor:** A contractor who, through related training and on-the-job experience, is familiar with the specialized equipment and unique hazards in line clearance and has demonstrated the ability to perform the specific techniques involved.

ATTACHMENT G

**Jacksonville Tree Commission**

**SECTION 94-105, Ordinance Code**

The Commission is established for the following general purposes:

- (a) To study and make recommendations to the City Council, Mayor's Office, City Staff, and community stakeholders with respect to the planting of trees and the health of the City's tree canopy.
- (b) To formulate an overall plan for the planting of trees and the health of the City's Tree Canopy and thereafter to annually review the plan and report recommendations to the Mayor's Office.
- (c) To act as a motivating and coordinating body to encourage joint public and private participation in the planting of trees and the health of the City's tree canopy
- (d) To review and make recommendations, if necessary, to the Council concerning the City's tree protection and landscape regulations.

**SECTION 94-106, Ordinance Code**

In implementing the purposes under this chapter, the Commission shall have the following duties:

- (a) To act as a coordinator for programs, projects, and activities related to planting projects and the health of the tree canopy between all public and private entities;
- (b) To review expenditure proposals and plans for planting projects;
- (c) To prioritize, with the input of District Council members, proposed planting projects based on established criteria for recommendation to the Council, and, when requested, the Commission may also make recommendations on other proposed tree planting projects;
- (d) To formulate a recommended priority project list, including an estimated implementation cost for each item, for tree planting and canopy maintenance, and to thereafter annually review the priority project list and report recommendations to the Mayor's Office;
- (e) To help coordinate the maintenance of an inventory of the urban tree canopy with an emphasis on historic trees, exceptional specimen trees and other unique environmentally significant trees within the City;
- (f) To assist in the establishment of educational and outreach programs to encourage proper management and maintenance of trees on private property in the City;
- (g) To conduct research studies, collect and analyze data and prepare maps, charts, and plans for the accomplishment of its purposes;
- (h) To identify issues relative to the health and protection of public trees and recommend solutions to problems identified;
- (i) To recommend to and help develop opportunities for the City's grant writing office for grants and solicitation of donations to support the City's tree canopy;
- (j) To perform an annual audit of funded projects, the status of the inventory, and tree permits submitted to the City to be included in an annual report to the Mayor's Office and City Council; and
- (k) To develop and maintain a tree canopy and existing tree inventory.

ATTACHMENT G

**TREE COMMISSION'S GOAL and OBJECTIVES**

Formulate an overall plan for the planting of trees and the health of the City's Tree Canopy and thereafter annually review the plan and report recommendations to the Mayor's Office.

**OBJECTIVE 1. Project Priorities**

- Prioritize, with the input of District Council members, proposed planting projects based on established criteria for recommendation to the Council, and, when requested, the Commission may also make recommendations on other proposed tree planting projects
- Formulate a recommended priority project list, including an estimated implementation cost for each item, for tree planting and canopy maintenance, and to thereafter annually review the priority project list and report recommendations to the Mayor's Office

**OBJECTIVE 2. Establish Criteria for Tree Planting**

- Develop and maintain a tree canopy and existing tree inventory.

**OBJECTIVE 3. Establish Priorities for Canopy Maintenance**

- Help coordinate the maintenance of an inventory of the urban tree canopy with an emphasis on historic trees, exceptional specimen trees and other unique environmentally significant trees within the City
- Identify issues relative to the health and protection of public trees and recommend solutions to problems identified

**OBJECTIVE 4. Establish Annual Reporting / Review with Recommendations**

- Perform an annual audit of funded projects, the status of the inventory, and tree permits submitted to the City to be included in an annual report to the Mayor's Office and City Council

**OBJECTIVE 5. Education and Outreach**

- Assist in the establishment of educational and outreach programs to encourage proper management and maintenance of trees on private property in the City
- Act as a motivating and coordinating body to encourage joint public and private participation in the planting of trees and the health of the City's tree canopy
- Recommend to and help develop opportunities for the City's grant writing office for grants and solicitation of donations to support the City's tree canopy

**OBJECTIVE 6. Manage authorized programs, projects and activities**

- Act as a coordinator for programs, projects, and activities related to planting projects and the health of the tree canopy between all public and private entities
- Review expenditure proposals and plans for planting projects

ATTACHMENT G

**Proposed Plan to Implement Objective 1. Project Priorities**

**IDENTIFY AVAILABLE DATA SOURCES, COLLECT AND ASSEMBLE (SUMMARIES) FOR USE IN DEVELOPMENT OF IMPLEMENTING STRATEGIES/ MEASURABLE POLICIES**

**Existing Data**

1. Identify data (new and available) necessary to support development of measurable strategies/ programs to implement Objective 1

- Internal data sources: Commission data, City Department data, External agency data, public source data
- External data sources: Reports/data from the public (individuals or entities)

2. Proactively solicit relevant data from City Departments.
3. Summarize and cross reference Internal and External Data as maps, text and spreadsheets.
4. Solicit Public Participation Data through media and other channels. Confirm sources and conclusions as appropriate; summarize and assemble.

**New Data**

1. Identify new data required to support development of measurable strategies/ programs to implement Objective 1.
2. Identify resources necessary to collect, assemble and analyze New Data. Identify New Data as Necessary or Desirable to proceed with development of measurable strategies/programs for Objective 1.
3. Assign resources to collect, assemble and analyze New Data identified as necessary.
4. Identify timeline to complete New Data collection, assembly and analysis.

**IDENTIFY STAKEHOLDERS**

**Existing Partners**

1. Identify Existing Partners ( Non-profit applicants, City Departments, known interested parties)
2. Develop announcement of TC's intent to host workshop(s) to achieve Objective 1 and invite participation in the workshop(s) and development of data in advance of scheduled workshop session(s).

**New Partners**

1. Develop PR/ media approach to seek new partners. Identify potential New Partners.
2. Develop announcement of TC's intent to host workshop(s) to achieve Objective 1 and invite participation in the workshop(s) and development of data in advance of scheduled workshop sessions.

**FACILITATOR**

1. Identify the general scope of work to be provided. Identify point in the process where the Facilitator is retained.
2. Identify a facilitator and retain for identified scope of work.

ATTACHMENT G

**Proposed Plan To Implement Objective 1. Project Priorities**

**PLAN AND SCHEDULE WORKSHOP(S)**

**Scope**

1. In coordination with the Facilitator, identify the general scope of the workshop session(s).
  - a. Should initial workshop(s) be used to establish broad strategies and future (later) sessions focus on the identified strategies?
  - b. What is the desired product of the Workshop(s)? Detail sufficient to support legislation required/desired?
2. Outline format, duration, location requirements (legal and technical support), time of day, etc. Refine as additional information is developed.

**Administration -Schedule, Location and Notice**

1. In coordination with the Facilitator and based on availability of Existing Data and necessary New Data and analysis, determine appropriate date(s) for Workshop session(s).
2. In coordination with the Facilitator, identify the appropriate location for Workshop session(s).
3. Identify and address legal requirements for notice and participation.

ATTACHMENT G

**Proposed Schedule for Action  
April and May 2022 Tree Commission Meetings**

Actions for April 2022 Tree Commission Meeting

1. Discuss Proposed Plan to Implement Objective 1. Project Priorities.
2. Review proposed timeline/ actions for May 2022 Tree Commission Meeting and approve as presented or with revisions.
3. Direct Staff to identify available sources of Tree Commission data (and known City Department data) and provide electronic links to Tree Commission members and interested parties two weeks prior to the May 2022 TC meeting.

Activities prior to May 2022 Tree Commission Meeting

1. Review Proposed Plan to Implementation Objective 1.
2. Review Objective 1 and identify data that would be necessary or desirable to review prior to establishing strategies and measurable policies in support of the Objective. Identify possible sources of the identified data; if New Data, describe in sufficient detail to allow an assessment of its availability and level of effort to collect and analyze.

Actions for May 2022 Tree Commission Meeting

1. Approve the Plan to Implement Objective 1.
2. Approve an initial list of necessary and desired data to support development of strategies and measurable policies for Objective 1. Request Staff identify available data for the June Tree Commission Meeting and identify outstanding data needs at the June meeting of the TC.

## Jacksonville Tree Commission

### SECTION 94-105, Ordinance Code

The Commission is established for the following general purposes:

- (a) To study and make recommendations to the City Council, Mayor's Office, City Staff, and community stakeholders with respect to the planting of trees and the health of the City's tree canopy.
- (b) To formulate an overall plan for the planting of trees and the health of the City's Tree Canopy and thereafter to annually review the plan and report recommendations to the Mayor's Office.
- (c) To act as a motivating and coordinating body to encourage joint public and private participation in the planting of trees and the health of the City's tree canopy
- (d) To review and make recommendations, if necessary, to the Council concerning the City's tree protection and landscape regulations.

### SECTION 94-106, Ordinance Code

In implementing the purposes under this chapter, the Commission shall have the following duties:

- (a) To act as a coordinator for programs, projects, and activities related to planting projects and the health of the tree canopy between all public and private entities;
- (b) To review expenditure proposals and plans for planting projects;
- (c) To prioritize, with the input of District Council members, proposed planting projects based on established criteria for recommendation to the Council, and, when requested, the Commission may also make recommendations on other proposed tree planting projects;
- (d) To formulate a recommended priority project list, including an estimated implementation cost for each item, for tree planting and canopy maintenance, and to thereafter annually review the priority project list and report recommendations to the Mayor's Office;
- (e) To help coordinate the maintenance of an inventory of the urban tree canopy with an emphasis on historic trees, exceptional specimen trees and other unique environmentally significant trees within the City;
- (f) To assist in the establishment of educational and outreach programs to encourage proper management and maintenance of trees on private property in the City;
- (g) To conduct research studies, collect and analyze data and prepare maps, charts, and plans for the accomplishment of its purposes;
- (h) To identify issues relative to the health and protection of public trees and recommend solutions to problems identified;
- (i) To recommend to and help develop opportunities for the City's grant writing office for grants and solicitation of donations to support the City's tree canopy;
- (j) To perform an annual audit of funded projects, the status of the inventory, and tree permits submitted to the City to be included in an annual report to the Mayor's Office and City Council; and
- (k) To develop and maintain a tree canopy and existing tree inventory.

## **TREE COMMISSION'S GOAL and OBJECTIVES**

**Formulate an overall plan for the planting of trees and the health of the City's Tree Canopy and thereafter annually review the plan and report recommendations to the Mayor's Office.**

### OBJECTIVE 1. Project Priorities

- *Prioritize, with the input of District Council members, proposed planting projects based on established criteria for recommendation to the Council, and, when requested, the Commission may also make recommendations on other proposed tree planting projects*
- *Formulate a recommended priority project list, including an estimated implementation cost for each item, for tree planting and canopy maintenance, and to thereafter annually review the priority project list and report recommendations to the Mayor's Office*

### OBJECTIVE 2. Establish Criteria for Tree Planting

- *Develop and maintain a tree canopy and existing tree inventory.*

### OBJECTIVE 3. Establish Priorities for Canopy Maintenance

- *Help coordinate the maintenance of an inventory of the urban tree canopy with an emphasis on historic trees, exceptional specimen trees and other unique environmentally significant trees within the City*
- *Identify issues relative to the health and protection of public trees and recommend solutions to problems identified*

### OBJECTIVE 4. Establish Annual Reporting / Review with Recommendations

- *Perform an annual audit of funded projects, the status of the inventory, and tree permits submitted to the City to be included in an annual report to the Mayor's Office and City Council*

### OBJECTIVE 5. Education and Outreach

- *Assist in the establishment of educational and outreach programs to encourage proper management and maintenance of trees on private property in the City*
- *Act as a motivating and coordinating body to encourage joint public and private participation in the planting of trees and the health of the City's tree canopy*
- *Recommend to and help develop opportunities for the City's grant writing office for grants and solicitation of donations to support the City's tree canopy*

### OBJECTIVE 6. Manage authorized programs, projects and activities

- *Act as a coordinator for programs, projects, and activities related to planting projects and the health of the tree canopy between all public and private entities*
- *Review expenditure proposals and plans for planting projects*

## **Proposed Plan to Implement Objective 1. Project Priorities**

### **IDENTIFY AVAILABLE DATA SOURCES, COLLECT AND ASSEMBLE (SUMMARIES) FOR USE IN DEVELOPMENT OF IMPLEMENTING STRATEGIES/ MEASURABLE POLICIES**

#### **Existing Data**

1. Identify data (new and available) necessary to support development of measurable strategies/ programs to implement Objective 1
  - Internal data sources: Commission data, City Department data,
  - External data sources: External agency data, public source data
  - Public Participation data: Reports/data from the public (individuals or entities)
2. Proactively solicit relevant data from City Departments.
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#### **New Data**

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2. Identify resources necessary to collect, assemble and analyze New Data. Identify New Data as Necessary or Desirable to proceed with development of measurable strategies/programs for Objective 1.
3. Assign resources to collect, assemble and analyze New Data identified as necessary.
4. Identify timeline to complete New Data collection, assembly and analysis.

### **IDENTIFY STAKEHOLDERS**

#### **Existing Partners**

1. Identify Existing Partners ( Non-profit applicants, City Departments, known interested parties)
2. Develop announcement of TC's intent to host workshop(s) to achieve Objective 1 and invite participation in the workshop(s) and development of data in advance of scheduled workshop session(s).

#### **New Partners**

1. Develop PR/ media approach to seek new partners. Identify potential New Partners.
2. Develop announcement of TC's intent to host workshop(s) to achieve Objective 1 and invite participation in the workshop(s) and development of data in advance of scheduled workshop sessions.

### **FACILITATOR**

1. Identify the general scope of work to be provided. Identify point in the process where the Facilitator is retained.
2. Identify a facilitator and retain for identified scope of work.

## **Proposed Plan To Implement Objective 1. Project Priorities**

### **PLAN AND SCHEDULE WORKSHOP(S)**

#### **Scope**

1. In coordination with the Facilitator, identify the general scope of the workshop session(s).
  - a. Should initial workshop(s) be used to establish broad strategies and future (later) sessions focus on the identified strategies?
  - b. What is the desired product of the Workshop(s)? Detail sufficient to support legislation required/desired?
2. Outline format, duration, location requirements (legal and technical support), time of day, etc. Refine as additional information is developed.

#### **Administration -Schedule, Location and Notice**

1. In coordination with the Facilitator and based on availability of Existing Data and necessary New Data and analysis, determine appropriate date(s) for Workshop session(s).
2. In coordination with the Facilitator, identify the appropriate location for Workshop session(s).
3. Identify and address legal requirements for notice and participation.

## **Proposed Schedule for Action April and May 2022 Tree Commission Meetings**

### Actions for April 2022 Tree Commission Meeting

1. Discuss Proposed Plan to Implement Objective 1. Project Priorities.
2. Review proposed timeline/ actions for May 2022 Tree Commission Meeting and approve as presented or with revisions.
3. Direct Staff to identify available sources of Tree Commission data (and known City Department data) and provide electronic links to Tree Commission members and interested parties two weeks prior to the May 2022 TC meeting.

### Activities prior to May 2022 Tree Commission Meeting

1. Review Proposed Plan to Implementation Objective 1.
2. Review Objective 1 and identify data that would be necessary or desirable to review prior to establishing strategies and measurable policies in support of the Objective. Identify possible sources of the identified data; if New Data, describe in sufficient detail to allow an assessment of its availability and level of effort to collect and analyze.

### Actions for May 2022 Tree Commission Meeting

1. Approve the Plan to Implement Objective 1.
2. Approve an initial list of necessary and desired data to support development of strategies and measurable policies for Objective 1. Request Staff identify available data for the June Tree Commission Meeting and identify outstanding data needs at the June meeting of the TC.

Home Tree Mitigation Tree Commission About Welcome Guest (Visitor) Log in



# TREE MITIGATION CITY OF JACKSONVILLE

Tree Mitigation



### TREE REMOVAL PERMIT INFORMATION

*Click here to search detailed information on Site Clearing and Tree Removal Permits. In reviewing tree removal information on a specific permit, for "B" permits click on the Spec 2 tab; for "L" permits click on the Tree Mitigation tab.*



### TREE FUND CITY PLANTING PROJECTS

*Click here to search detailed information about City Tree Fund Planting Projects.*



### AVAILABLE FOR APPROPRIATION

15F (Ordinance):	\$14,707,755.11
15N (Charter):	\$7,329,466.71
Better Jacksonville Plan - Tree Mitigation Project:	\$1,717,826.00
<b>Total:</b>	<b>\$23,755,047.82</b>



### FILE AN ISSUE

*Click here to report site clearing or tree removal without a permit, or to request tree maintenance on public property. In the CARE System, select "Tree Remove or Landscape Violation" from the dropdown.*

*Disclaimer: The AVAILABLE FOR APPROPRIATION information shown on this page is updated nightly from the City's financial records, but does not include any pending appropriations, or other financial transactions of the funds which have not been completed.*



If you experience difficulty viewing or accessing the documents provided on this site, or navigating this application's table features, using any assistive technology please contact the Disabled Services Division at 904-630-4940 or 904-630-4933 (TTY) to request an accommodation.

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March - \$23,030,550.18

Difference: \$724,497.64

**Available Balance, Revenues, and Expenditures by month**  
4/18/2022

	<u>22-Apr</u>	<u>22-Mar</u>	<u>28-Feb</u>	<u>22-Jan</u>	<u>Dec-21</u>	<u>Nov-21</u>	<u>Oct-21</u>	<u>Sep-21</u>	<u>Aug-21</u>	<u>Jul-21</u>	<u>Jun-21</u>	<u>May-21</u>	<u>Apr-21</u>
<b>15304-Tree Protection &amp; Related Expenditures</b>													
Cash	25,487,263	24,806,218.92	24,637,216	24,637,216	24,280,548	24,332,781	24,154,812	24,120,871	24,273,314	24,208,120	24,233,628	24,296,712	24,238,457
Liabilities	(4,696)	(4,696)					(69,370)	289,152	-	-	(0)	(62,366)	(11,748)
Budget	(15,933,978)	(15,933,978)	(15,933,978)	(15,931,766)	(15,931,766)	(15,931,766)	(15,931,766)	(18,566,131)	(18,566,131)	(18,566,131)	(18,566,131)	(18,566,131)	(18,566,131)
BUDGET RESERVE	3,701,030	3,701,030	3,701,030	3,701,030	3,701,030.21	3,701,030.21	3,701,030.21	3,701,030.21	3,701,030.21	3,701,030.21	3,701,030.21	3,701,030.21	3,701,030.21
Actual Expenditures	1,444,712.68	1,444,364.34	997,179.93	972,784.18	674,537.54	39,053.40	(5,299.51)	2,589,112.62	1,895,293.08	1,565,222.59	1,303,765.26	1,059,861.07	788,428.29
Net Budgeted Expenditures	(10,788,235.55)	(10,788,583.68)	(11,235,768.09)	(11,257,951.84)	(11,556,198.48)	(12,191,682.62)	(12,236,035.53)	(12,275,988.30)	(12,969,807.84)	(13,299,878.33)	(13,561,335.66)	(13,805,239.85)	(14,076,672.63)
<b>Available Balance Total</b>	<b>14,694,331</b>	<b>14,012,939</b>	<b>13,401,448</b>	<b>13,379,264</b>	<b>12,724,350</b>	<b>12,141,099</b>	<b>11,849,407</b>	<b>12,134,034</b>	<b>11,303,506</b>	<b>10,908,241</b>	<b>10,672,292</b>	<b>10,429,106</b>	<b>10,150,036</b>
Revenues	674,700	458,082	233,496	582,333	62,106	565,566	241,571	621,825	365,596	246,595	199,131	278,160	489,015
Expenditures	348	447,184	24,396	298,247	635,484	44,353	(5,300)	693,820	330,070	261,457	243,904	271,433	788,428
<b>15305-Tree Mitigation &amp; Related Expense</b>													
Cash	7,375,064	7,331,959	7,284,319	7,202,739	7,119,304	7,068,229	7,031,407	6,871,102	6,838,495	6,724,585	6,682,138	6,664,975	6,590,547
Liabilities								-	-	-	-	-	-
Budget	(45,598)	(45,598)	(45,598)	(45,598)	(45,598)	(45,598)	(45,598)	(48,920)	(48,920)	(48,920)	(48,920)	(48,920)	(48,920)
BUDGET RES.	1	1	1	1	1	1	1	1	1	1	1	1	1
Actual Expenditures		3,321	3,321	3,321	3,321	3,321	3,321	3,321	3,321	3,321	-	-	-
Net Budgeted Expenditures	(45,597)	(42,275)	(42,275)	(42,275)	(42,275)	(42,275)	(42,275)	(45,598)	(45,598)	(45,598)	(48,919)	(48,919)	(48,919)
<b>Available Balance Total</b>	<b>7,329,467</b>	<b>7,289,684</b>	<b>7,242,044</b>	<b>7,160,464</b>	<b>7,077,029</b>	<b>7,025,954</b>	<b>6,989,132</b>	<b>6,825,504</b>	<b>6,792,897</b>	<b>6,678,987</b>	<b>6,633,219</b>	<b>6,616,056</b>	<b>6,541,628</b>
Revenues	38,100	47,640	81,580	83,436	51,075	36,822	67,506	125,405	113,910	45,768	17,163	74,428	57,771
Expenditures					-	-	-	-	-	3,321	-	-	-

4/18/2022		Remaining	FY 22	Open	Remaining
Budget Balance of Appropriated Expenditures		Budget	Expenditures	Purchase Orders	Balance
Center	Activity				
151004-PWOD Tree Mitigation & Related Expenses - Conservation and Resource Manag	00000189-5Th & Cleveland Ash Site Tree Planting	6,593.80	-	6,593.80	-
151004-PWOD Tree Mitigation & Related Expenses - Conservation and Resource Manag	00000275-Brown's Dump Ash Site Tree Planting	884.25	-	884.25	-
151004-PWOD Tree Mitigation & Related Expenses - Conservation and Resource Manag	00000378-County-Wide Tree Prog-Right Of Way	2,192,787.27	747,690.20	638,441.27	806,656
151004-PWOD Tree Mitigation & Related Expenses - Conservation and Resource Manag	00000429-Duval County School Board Property	92,243.50	-	-	92,244
151004-PWOD Tree Mitigation & Related Expenses - Conservation and Resource Manag	00000541-Hammond Blvd Project	35,140.70	8,237.90	16,619.80	10,283
151004-PWOD Tree Mitigation & Related Expenses - Conservation and Resource Manag	00000604-Intersec,Bridge,Misc 09-10 Landscaping	18,467.68	-	-	18,468
151004-PWOD Tree Mitigation & Related Expenses - Conservation and Resource Manag	00000651-King St Planting College To Park	8,724.53	-	8,724.53	-
151004-PWOD Tree Mitigation & Related Expenses - Conservation and Resource Manag	00000744-North Main Street Landscaping	9,155.68	-	-	9,156
151004-PWOD Tree Mitigation & Related Expenses - Conservation and Resource Manag	00000982-Tree Protection & Related Expenses	1,436,949.08	-	-	1,436,949
151004-PWOD Tree Mitigation & Related Expenses - Conservation and Resource Manag	00001035-Mandarin Road Tree Planting	74,601.00	-	-	74,601
151004-PWOD Tree Mitigation & Related Expenses - Conservation and Resource Manag	00001036-Springfield Preservation Tree Planting	220,408.45	8,961.61	230.17	211,217
151004-PWOD Tree Mitigation & Related Expenses - Conservation and Resource Manag	00001315-Level 2 Tree Planting Program	4,434,789.19	464,447.68	1,657,628.84	2,312,713
151004-PWOD Tree Mitigation & Related Expenses - Conservation and Resource Manag	00001316-Moncrief Rd Beautification Project	180,705.21	13,353.86	27,112.73	140,239
151004-PWOD Tree Mitigation & Related Expenses - Conservation and Resource Manag	00001345-District 8 Tree Planting	52,767.40	-	52,767.40	-
151004-PWOD Tree Mitigation & Related Expenses - Conservation and Resource Manag	00001606-Sulzbacher Village Level 3 Tree Planting	20,752.30	4,672.40	5,692.40	10,388
151004-PWOD Tree Mitigation & Related Expenses - Conservation and Resource Manag	00001607-Hugenot Park Level 3 Tree Planting	72,207.20	-	72,207.20	-
151004-PWOD Tree Mitigation & Related Expenses - Conservation and Resource Manag	00001623-Level 3 Tree Planting Program	825,213.40	-	275,962.75	549,251
151004-PWOD Tree Mitigation & Related Expenses - Conservation and Resource Manag	All Activity Values	9,682,390.64	1,247,363.65	2,601,666.14	5,833,361
151016-PWOD Forrest Street Ash Site Tree Planting - Conservation and Resource Mg	All Activity Values	5,994.50	-	5,994.50	-
151132-PWOD County-Wide Tree Prog-Active Parks - Conservation and Resource Manag	All Activity Values	532,545.04	-	-	532,545
151135-PWOD County-Wide Tree Prog-Preservation Parks - Conservation and Resource	All Activity Values	514,854.00	-	-	514,854
154006-PWML Tree Maintenance - Other Physical Environment	All Activity Values	373,253.63	22,982.19	338,061.86	12,210
154007-PWML 630-City Tree Planting Prog - Other Physical Environment	All Activity Values	1,517,703.84	174,366.84	285,271.56	1,058,065
154008-PWML Patton Rd And Beach Blvd Tree Planting - Conservation and Resource M	All Activity Values	9,428.34	-	9,428.34	-
154009-PWML Zoo Landscaping-Asian Exhibit - Conservation and Resource Management	All Activity Values	1,031,432.38	-	-	1,031,432
191015-JXSF Conservation and Resource Management	00000981-Tree Protection & Related Expenditures-Activity	2,266,375.86	-	-	2,266,376
All Center Values	All Activity Values	15,933,978.23	1,444,712.68	3,240,422.40	11,248,843.15
153104-PWCP Public Works Capital Projects - Road and Street Facilities	Better Jacksonville Plan Project 008449	1,717,826.00			1,717,826

**Recent Expenditure Appropriations impacting available balance**

<b><u>Fund</u></b>	<b><u>Budget Period</u></b>	<b><u>Total Budget</u></b>	<b><u>Description</u></b>
15304	10/19/20	<b>2,000,000</b>	Ord. 2019-745 Countywide program - public right of ways
15304	Jan-20	<b>2,000,000</b>	Ord. 2019-880 - Level 2 Tree Planting Program
15304	Feb-20	<b>2,000,000</b>	Ord. 2019-886 - 630-CITY Level 1 Tree Planting Program
15304	Apr-20	<b>72,298</b>	Ord. 2020-0114 -Level 3 Planting - project near Sulzbacher Village Apartments
15304	Apr-20	<b>105,587</b>	Ord. 2020-113 - Level 3 Tree Planting project at Huguenot Park
15304	Jun-20	<b>1,000,000</b>	Ord. 2020-213 - Level 3 Tree Planting Program 2020-0616-E to "630-City Tree Planting Program" to Provide Tree Planting Administered by Public Works in the Public Rights-of-Way in Locations Where Adjacent Propty Owners
15304	Dec-20	<b>2,000,000</b>	Have Made Requests thru 630-City 2020-0732-E ORD Approp \$2,000,000.00 from the Tree Protection & Related Expenses Trust Fund, 15304, for the Level 2 County-Wide Prog to Provide Tree Planting on Public Land in Duval County Suggested by Individuals or Groups
15304	Jan-21	<b>2,000,000</b>	2021-0144-E - ORD Approp \$2,000,000 from the Tree Protection & Related Expenses Trust Fund, Fund 15304, for the County-Wide "Remove and Replace" Prog;
15304	April -21	<b>2,000,000</b>	2021-0455-E - ORD Approp \$2,000,000.00 from the Tree Protection & Related Expenses Trust Fund, Fund 15304, for the Level 2 County-Wide Prog to Provide Tree Planting on Public Land in Duval County
15304	9/12/21	<b>2,000,000</b>	Public Land in Duval County
15304	2/24/2022	<b>1,950</b>	BT22-041 COLA
15304	2/24/2022	<b>28</b>	BT22-041 COLA
15304	2/24/2022	<b>6</b>	BT22-041 COLA
15304	2/24/2022	<b>228</b>	BT22-041 COLA

JEA  
Vegetation Management/Line Clearance for Electrical Service  
Routine Cycle Pruning  
General Overview

**JEA's service territory** JEA primarily serves Duval County, Florida. The service area includes portions of Clay, Baldwin, Nassau, and St. Johns County. Service area covers more than 918 square miles; which incorporates over 7,000 miles of overhead electrical transmission and distribution lines; and an estimated 478,000 electrical customers.

**Operational Territories:** JEA's Vegetative Management section divides the service area into three separate territories - Westside, Northside, and Southside. The territories are determined by Substations; and therefore, characterized by circuits.

**Organizational Overview:** JEA Vegetative Management section (a.k.a JEA Forestry) oversees preventative maintenance activities and operations within JEA's electrical operations. It is a branch of the Transmission & Distribution (T&D) Preventative Maintenance Department that maintains all electrical transmission and distribution facilities (approx 729 miles of transmission lines and 6,547 miles of distribution lines). JEA's professional foresters, vegetative specialists, certified arborists and engineers work to provide safe and reliable utility services compatible with a sustainable and resilient urban and peri-urban tree canopy.

**Building Community:** The VM embodies the same philosophies, goals, and ambitions as JEA. VM staff are ambassadors for JEA and play a large part of enabling customers to realize the value and benefits of VM. This is particularly important because VM activities are highly visible, and once complete, the results are always on display. Supporting JEA's mission through actions, decisions, performance, and conduct is part of an effort to *Building Community*. VM practices are in place to advance the strategic Initiatives to winning customer loyalty, developing business excellence, and developing an unbeatable team.

**Function:** The primary function is to implement vegetative management (VM) and preventative maintenance for JEA utilities. Operations are designed to uphold the intended use of electrical systems; to advance safe and reliable electrical service from vegetative conflicts and hazards; enable the installment of new amenities; provide access for utility workers; and to provide public assistance and solutions to utility and vegetative issues. Procedures include, but not limited to, pruning trees, limbs, brush, grass, or other vegetation, which have become a risk or liability to public safety and service. Responsibilities are not confined to electrical facilities and may include JEA water and wastewater facilities. JEA Vegetative Management uses a systematic, Integrated Vegetation Management (IVM) approach. This includes identifying problem trees and vegetation, establishing action thresholds, and implementing a variety of

prescribed treatment options; to include, but not limited, to pruning cycles, pruning standards, tree removals, mowing, and herbicide treatments.

**Jurisdiction:** All work performed in the City of Jacksonville's General Services District shall be in accordance with COJ annual *permit to tree trim and remove trees* as provided COJ Ordinance Code Chapter 656.1206 par. (f). In this permit, the COJ gives JEA, and its representatives, blanket permission to perform tree trimming or removal as required in the public right of way to a line drawn vertically at the outer boundary of the subject right of way.

**General Standards & Specifications:** At the discretion of the JEA Vegetation Management Specialist and/or Arborist, vegetation management practices shall adhere to the ANSI Z133 safety specifications for Arboricultural Operations, the ANSI A300 specifications for Tree Care Operations, and ANSI A300 (Part 7) for Electric Utility Rights-of-way.

**General Line Clearance Operations:** Pruning for preventative maintenance is best done on a regular, cyclic basis. The majority and bulk of VM for preventative maintenance is accomplished through routine cycle trimming/pruning. JEA Circuits are routinely pruned on a 2.5-3 year cycle. Line clearance operations are completed by Qualified Line-Clearance contractors. Clearance specifications are set to hold cycle (veg. will not overtake utilities prior to the next scheduled pruning), and sustain system reliability, under normal weather, growth patterns, and site conditions of adjacent vegetation.

**General Annual Analytics:**

- 100 miles/Qtr/territory = 1,200 trimmed per year
- 1,200 mls x 2.5 cycle = 3,000 mls trimmed per cycle
- Production Costs = \$3,000 per mile = \$3,600,000 per year.

**Utility Restoration Pruning:** When restoring power or other utility services, due to tree failure from storm or natural causes, pruning practices may be limited to the pruning necessary to provide access and safe working conditions for utility crews to restore power. Utility restoration pruning may be completed by line crews not subject to VM pruning practices. Corrective pruning methods should be employed if and when practical under defined goals and objectives. Completion of tree work should be referred to responsible persons or parties (COJ, or private property owners).

**Disclosure & Limitations:**

- **ANSI Standards** & Specifications are intended as a guide to federal, state, and local authorities in drafting regulations and may be adopted in whole or in part. ANSI Standards are not intended to limit available options to emergency responders.
- **Power-line clearance** and/or electric Utility pruning is a highly specialized type of arboriculture, with added risks. Pruning may require practices and techniques outside the scope of traditional landscape pruning guidelines.

- **Pruning purposes:** Pruning is for utility purposes, or when mitigating utility hazards. Pruning purposes that do not require insulated equipment, line-clearance skills and experience, or can be completed by a competent, non-JEA tree contractor may be outside the utility's scope of work.
- **Resource Availability:** It is JEA's intent to uphold Operations & Maintenance procedures to maintain proper clearance on all electrical facilities, but it must be understood that the accomplishment and completion of the VM objectives is subject to other considerations and restraints, including but not limited to, environmental conditions; access constraints; and availability of funds, equipment, and personnel.
- **Emergencies:** The terms and provisions outlined above shall apply to all trees located within the City of Jacksonville or other appropriate governmental entity and shall be expressly followed by JEA except during the period of an emergency such as a hurricane, tropical storm, severe thunderstorm, flood, tree failure, or any other Act of God. During such emergencies, the above terms and provisions will be temporarily waived so that they will in no way hamper private or public work to restore order and/or service to the community.
- **Limitations:** In most electrical restoration events, where trees, or tree parts fall within COJ ROW and disrupt power, JEA will cut and prune what is necessary to restore power and/or other utility service, but is not responsible for tree debris, or the restoration of property to pre-storm conditions.
- **Communication Cables:** JEA does not trim for clearance of communication cables. Clearance for communication cables is the responsibility of the owner/operator, or the service provider. Communication cables do not necessarily create the electrical hazards that require line clearance skills, training, and insulated equipment necessary for electrical utility lines and wires. Though the ANSI Z133 standards for tree care operations do identify communication cables as electrical conductors, they may not carry the voltage that will require a minimal approach distance. The owner/operator of the lines is responsible for any necessary, or requested line clearance of communication cables.
- **Debris from Routine Line Clearance:** Debris removal is JEA's responsibility if vegetative debris is a result of routine preventative measures to avert the loss of service, prevent damage to utility equipment, provide access for utility workers, and uphold the intended usage of utility facilities. An example would include scheduled routine line clearance operations.
  - **Debris in COJ ROW:** The City of Jacksonville Department of Public Works is responsible for clearing any downed trees in the roadways. Homeowners can contact (904) 630-CITY to report any roads blocked by fallen debris. If a tree falls in the road, or the road right-of-way, one can request the City of Jacksonville to clean up the debris by calling 630-CITY (2489). Or you can submit the request online at [COJ.net](http://COJ.net).

- **Debris from Tree Failure Due To Storms & Natural Causes:** JEA Forestry is **not** responsible for debris removal of trees, or tree parts, falling from private property, into City right-of-way as a result of storms, natural causes, or private tree removal operations. JEA is responsible for restoring downed electric lines caused by tree damage. JEA Forestry is responsible for removing any fallen tree, or portions of, that inhibit access and JEA's ability to restore power safely and effectively. The homeowner is responsible for removing downed trees on private property, including the removal of trees leaning on the house, garage or other structures. If there is damage where the electric wires attach to the house, the homeowner must also hire an electrician to make repairs before we can restore power to your house.
- **Debris Removal with "Assists:** Debris removal is not a provided service for the removal of debris associated with tree work assistance for COJ contract crews, commercial contractors, or homeowners. Debris removal should be part of the job specifications and costs associated with the primary entity engaged in tree trimming/removal.

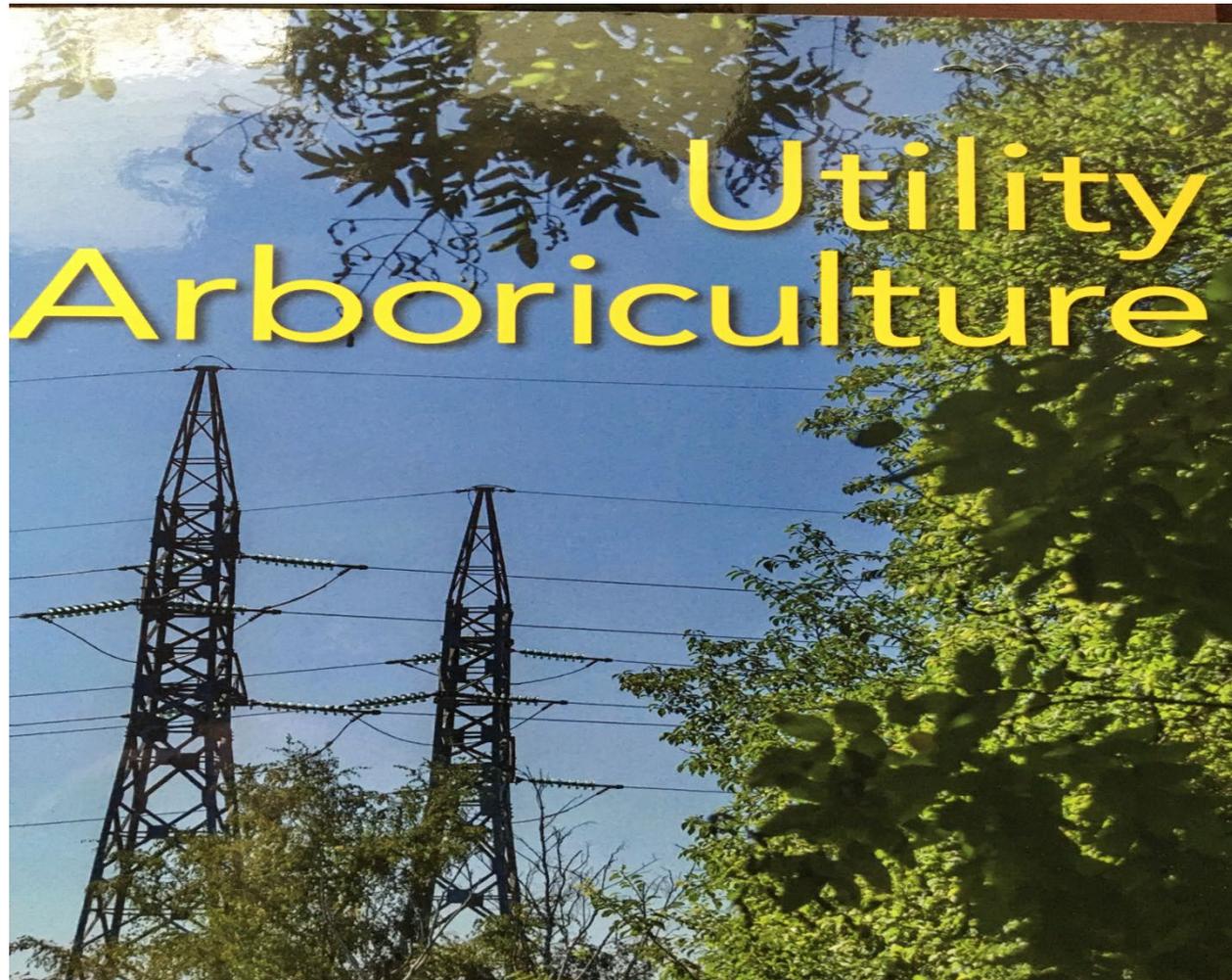
**Brief History:** The history of JEA's Vegetative Management section follows the evolution of vegetative management within the utility industry. Historically, "hot spotting" was business as usual. Contracted tree crews were dispatched on an on-call base - a reactive or corrective course of action primarily driven by outages, existing hazards, customer complaints, or patrol reports. JEA began its evolution toward the more efficient, effective, and proactive cyclic approach on Monday, November 12, 1979 with the birth of its Vegetative Management section. Originally JEA Contract Administration, a Forestry Supervisor, and three Urban Foresters were charged with developing a consistent, systematic, preventive maintenance approach to vegetation management. In 1997 the International Society of Arboriculture (ISA) Research Trust published a study in the *Journal of Arboriculture*, titled The Economic Impacts of Deferring Electric Utility Maintenance. The study found that deferring maintenance through a hotspot approach resulted in increased maintenance cost. The proactive vegetative management program was responsive to a maturing industry with a number of reorganizations and restructurings. In March of 2007, the Federal Energy Regulatory Commission (FERC), developed mandatory standards that required utilities to develop a formal Vegetative Management program. Federal, state, and local regulations, safety standards, reliability requirements, technology, personal skills, and cost-effective techniques continue to influence and improve cycle-based, and integrated vegetative management strategies, in order to proactively meet the demands placed upon a safe and reliable utility provider.

## DEFINITIONS:

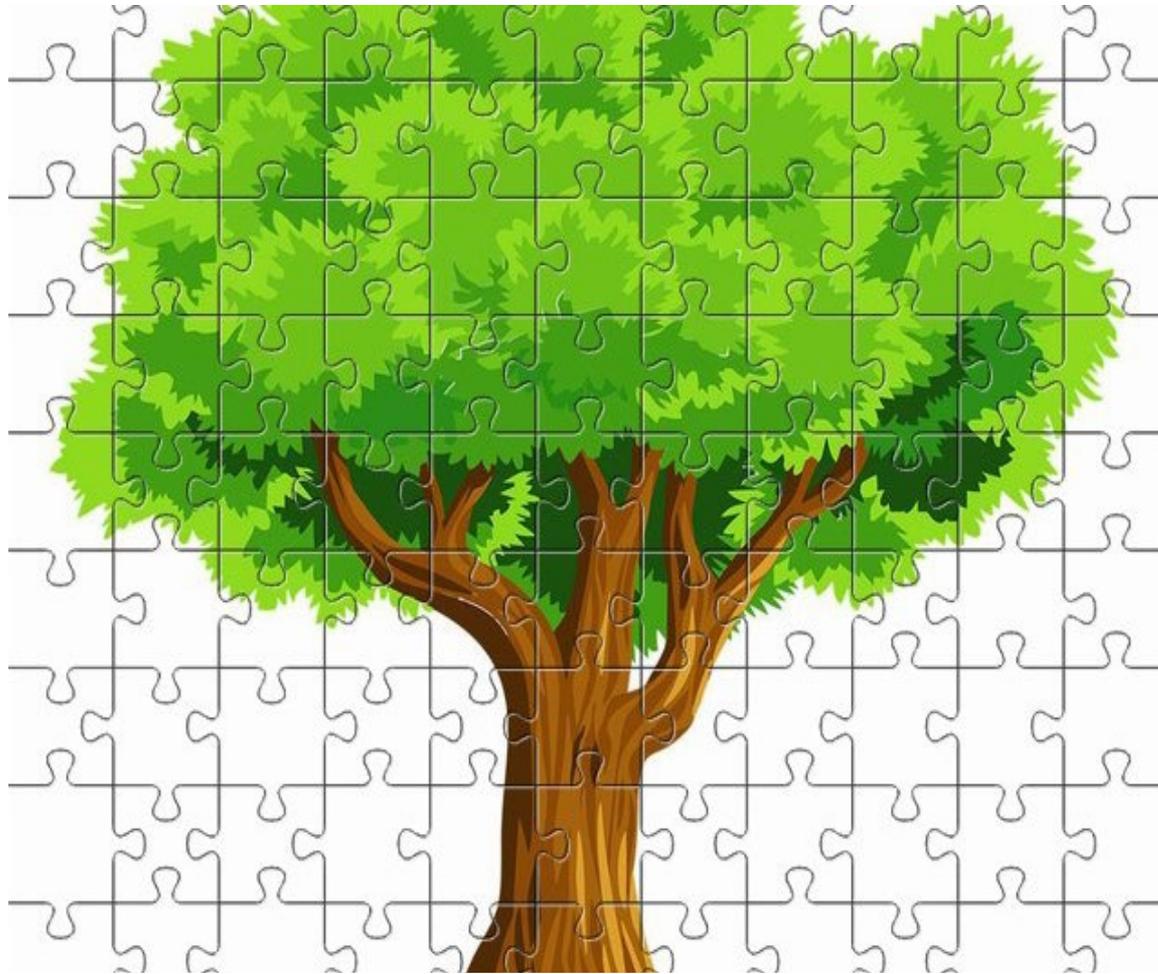
- **Action Threshold:** The maximum acceptable level(s) of plant characteristics that initiates corrective action, or control methods.
- **ANSI:** American National Standard Institute
- **Arboriculture:** The practice and study of the care of trees and other woody plants.
- **Arborist:** A professional title, with an ISA arborist certification, having the proper experience, education, and training to competently supervise contract tree crews.
- **COJ:** City of Jacksonville
- **Integrated Vegetation Management:** The use of a variety of available control methods to establish and maintain compatible vegetation and plant communities. Methods include, cultural, biological, chemical, physical, and genetic.
- **ISA:** International Society of Arboriculture
- **J.S.E.B.:** Jacksonville Small and Emerging Business
- **Minimum Vegetative Clearance Distance (MVCD):** calculated minimum distance between conductors and vegetation to prevent fault, spark-over, service interruptions, or system failure, for various operating voltages.
- **Minimum Approach Distance:** Safe working distances from overhead electrical conductors as defined in Table 1 & 2 of ANSI Z133 (4.1.4).
- **Public:** customers in the JEA service territory
- **Right-of-way (ROW):** The ROW shall be considered legally granted access and property rights acquired for construction and maintenance of JEA facilities.
- **Utility Line-Clearance:** Selective removal of vegetative-related risks factors, especially tree branches, which could affect electric supply lines or other utility facilities and equipment.
- **Vegetation Management Specialist:** A professional title, with an ISA arborist certification, with the proper experience, education, and training to competently supervise an integrated vegetation management program to ensure efficient line and right-of-way clearance and maintenance.
- **Qualified Utility Line Clearance Contractor:** A contractor who, through related training and on-the-job experience, is familiar with the specialized equipment and unique hazards in line clearance and has demonstrated the ability to perform the specific techniques involved.

# Utility Line Clearance Routine Cycle Pruning





Electrical Distribution Systems of Utilities + Chemical Distribution Systems of Trees and Canopies.



**Urban Forestry** is a large, comprehensive puzzle with many pieces with different shapes and forms. Utility Arboriculture is just one piece of the puzzle.

# At First Glance



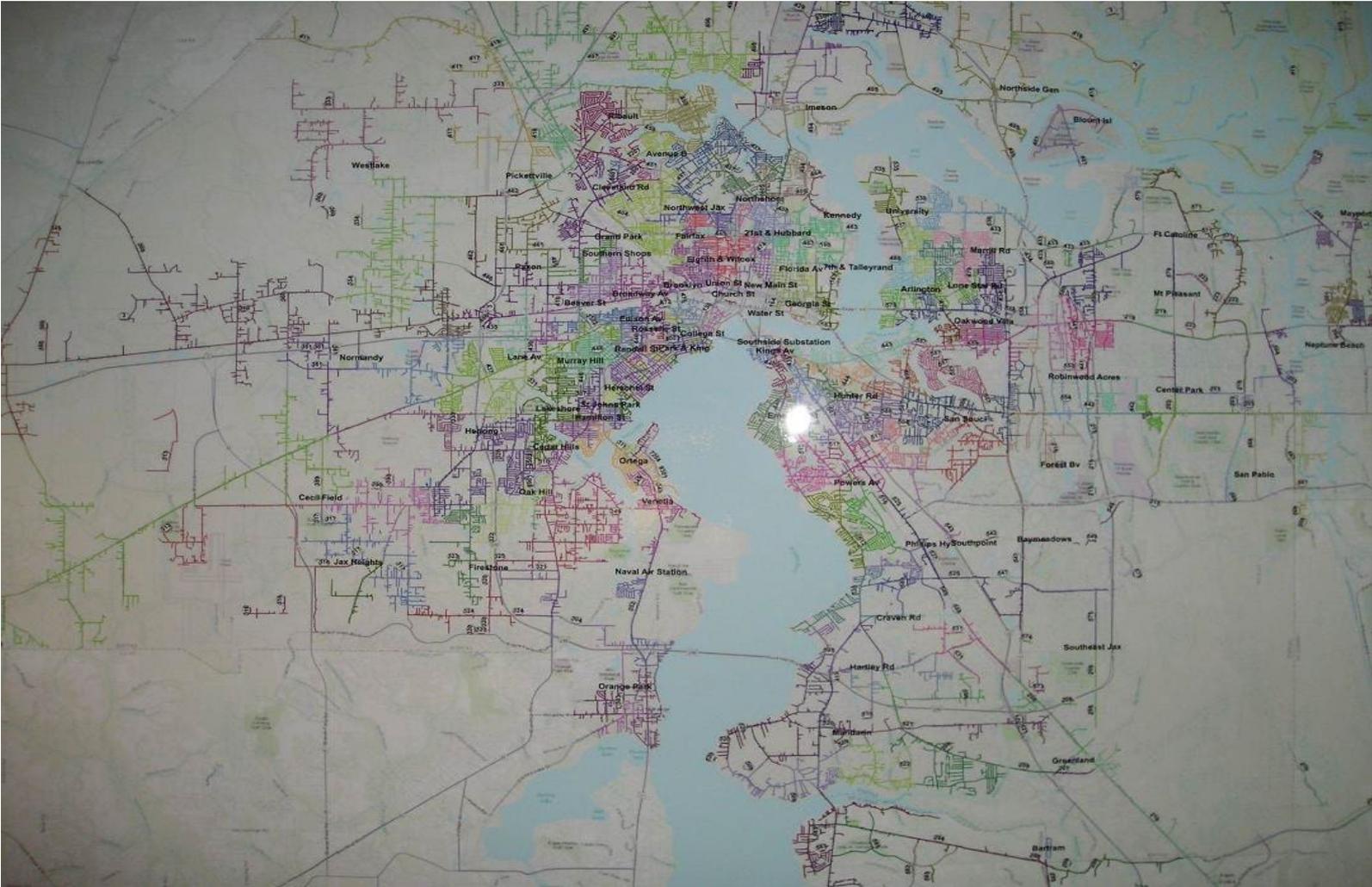
# JEA vs. COJ



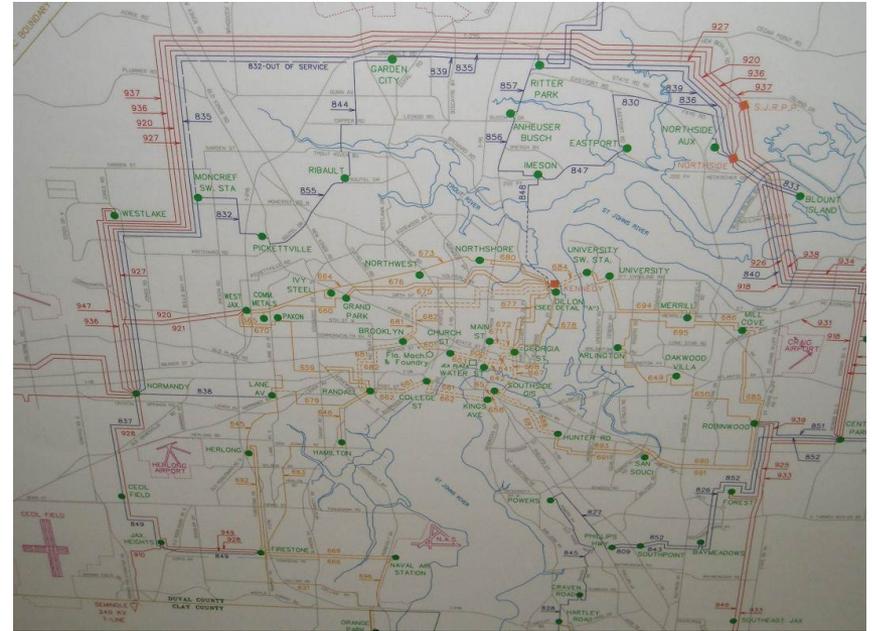
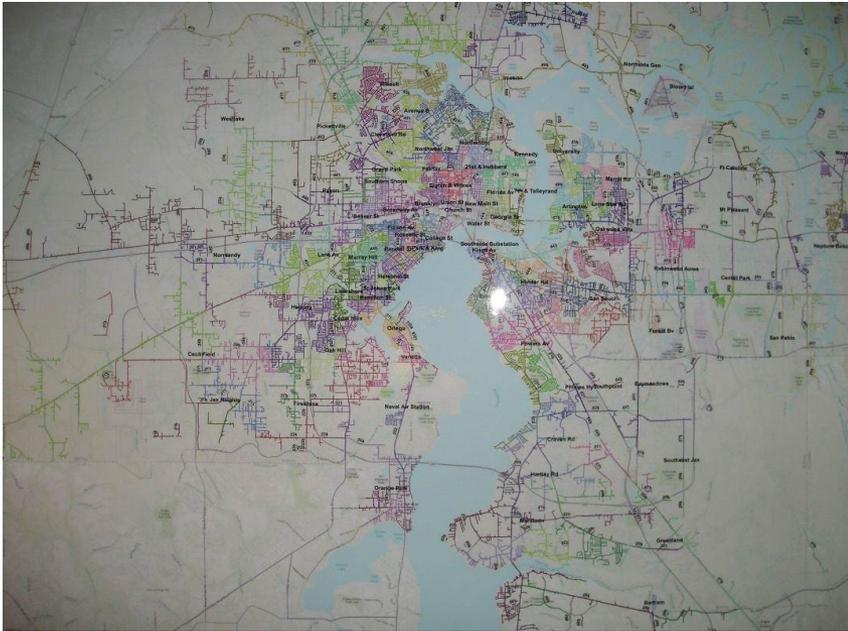
# JEA's piece of the puzzle



# JEA Electrical Distribution Circuits



# Distribution & Transmission



# Routine Cycle Trimming

## General Overview

- JEA Service Territory
- Operational Territories
- Organizational Overview
- Building Community
- Function, or Purpose
- Jurisdictions
- General Standards & Specifications
- General Line Clearance Operations
- General Annual Analytics
- Utility Restoration Pruning
- Disclosures & Limitations
- Vegetative Debris
- Brief History

# Overview Excerpts

- Vegetative staff are ambassadors enabling customers to realize the value of Veg Mtg.
- JEA's Veg. Mgt. program is larger than the routine cycle pruning program.
- Primary function is preventative maintenance for JEA utilities.
- JEA distribution circuits are on a 2.5 year cycle.
- Pruning is for utility purposes, to mitigate utility hazards, and where insulated equipment, or line clearance skills are required.

- Studies, history, and experience support that a consistent, systematic, proactive approach to vegetative management is more efficient, advantageous, cost effective, and safer than a reactive management approach.

# Power, Water, Sewer, Communications

The National Academy of Engineers recognized that the greatest engineering achievement of the 20<sup>th</sup> century was, not the Internet, not the i-phone, not a man on the moon, but **Universal Access** to utilities – power, water, and sewer - in every home & business.

Dear Mr. Joe Anderson

Thank you for teaching us about trees. Now I want to plant a tree in my backyard. You told us many things about trees. Now when I grow up I want to work with the J E A. You guys are awesome!!!



March 30, 2022

Dear Tree Commission Members :

First, let me thank you for your service to the City in working diligently and effectively as stewards of the Tree Protection and Related Expenses Trust Fund. It is gratifying to see those funds being directed as intended toward replanting trees in the public realm and in funding projects to help manage our urban forest.

I am writing as a registered landscape architect and a certified arborist who works daily with the City's landscape and tree ordinance. As a landscape architect, I routinely design for property owners and developers who are filling the coffers of that trust fund and am often the one preparing the calculations that determine the amounts. As an arborist, I regularly prepare tree evaluation reports that require me to don protective clothing and dive deep into remnant forests and overgrown thickets throughout the city, on properties destined to be cleared and developed. This is to underscore my familiarity with the code requirements and with the lands to which they pertain.

I have petitioned the city on this issue before, to no avail, and wish to make a formal request that you urgently consider amending the code regarding palm trees. All palms are protected within public rights-of-way, and on private land within 20 feet of a right-of-way. Cabbage palms (Sabal palmetto) are protected on private property interiors. Simply put, palms are not really trees but grasses (monocots). Trunk size for palms is not a determinant of age as it is with true trees. The code uses diameter at breast height (DBH) to assign protected status and dollar value to individual trees. This makes sense broadly in assuming larger trunk sizes support larger, older, and potentially more valuable trees as measured in a number of ways, particularly in terms of ecology and aesthetics. This is not the case with palms. I suggest if older is better, then palms should be measured and valued by their height and not their DBH. I witness many palms that are barely 6-feet tall with 18-inch trunks, which might put them at 20 or so years old—and which might equate to a 12-inch oak tree, whereas I also witness cabbage palms that are 30-feet tall with a DBH of 8-inches— unprotected in an interior property—that might be well over 100 years old.

Also in this same vein, because palms come out of the ground with mature trunk sizes, they are often at protected size as soon as an actual trunk can be discerned. I have worked with City staff reviewers in agreeing to a 6-foot clear trunk height as the minimum standard for being protected, but this is not codified and has not even been established via City Bulletin.

Another fundamental flaw in using DBH to measure palms is the “boots” or dead fronds that very often are still on the trunk when they are measured. This creates tree sizes that are much greater than the actual trunk beneath, so the owner or developer is, in essence, paying for air.

In summary, I would ask you to consider amending the code with all due haste to base protected status for palms on height, not DBH, and to establish 6-foot clear trunk as the minimum protected height. This amendment is far overdue, with too much money spent on air and too many valuable palms lost by applying our current code requirements.

Sincerely,

A handwritten signature in cursive script that reads "Buck Pittman".

Buck Pittman, MLA, PLA  
President

**Pittman Landscape Architecture**

Reg # LA1601

Cc: Hon. Matt Carlucci, Hon. LeAnna Cumber, Ellyn Cavin