

Jacksonville Tree Commission

Wednesday January 17, 2024, 9:30 AM

**Ed Ball Building, 10th Floor, Conference Room 5
and Zoom**

Commissioners: Curtis Hart, Vice Chair
Susan Fraser
Chris Miller
Nina Sickler
Rhodes Robinson
John Moscarillo
William Burke

Advisors: Jonathan Colburn
Justin Gearhart
Susan Grandin
Jose Regueiro

Staff: Charles Hayes

AGENDA

Order of Agenda is Subject to Change

- 1. Call to Order** - Chair
- 2. Roll Call and Verification of Quorum** – Chair
- 3. Submittal of Speaker’s Cards** – Chair
 - a) A raised hand icon as well as waving at the screen will be acknowledged by the Chair.
 - b) For those attending in person, paper speakers’ cards will be available.
- 4. Action Items:**
 - a) Approval of Minutes from November 15, 2023, Tree Commission meeting – Chair
 - b) Proposed Level 2 Projects
 - i. Level 2 Tree Planting Senior Centers and Community Centers – Kathleen McGovern
 - ii. Level 2 Tree Planting Northbank Riverwalk Phase 2 – Kathleen McGovern
 - iii. Level 2 McGirts Creek Restoration Project – Jenny Hinton
 - iv. Level 2 Southern S-Line Enhancement – Garner Cox & Dylan Ford
 - c) FUSE Fellow summary of findings and initial recommendations for the development of an Urban Forestry Management Plan – Jonathan Colburn

5. Reports:

- a) Financial Report for Ordinance Tree Fund (15304), Charter Tree Fund (15305) and BJP (Attachment D) – Jose Regueiro
- b) Fund Status of 630-CITY, Remove & Replace and Level 2 Programs (Attachment E) – Justin Gearhart
- c) Status of Level 2 Tree Projects (Attachment F) – Justin Gearhart
- d) Parks Department Project Update – Kathleen McGovern/Jill Enz

6. New Business:

- a) Annual Report Draft (Attachment B)- Justin Gearhart
- b) Formatting Tree Commission completely digital – Justin Gearhart
- c) City Council appropriation request – Justin Gearhart
- d) Approval of new species to the approved species list – Justin Gearhart

7. Public Comment:

- 8. **Adjournment** – the next meeting is scheduled for Wednesday, February 21, 2024, as a Hybrid/Zoom meeting in Ed Ball Building, 10th Floor, Public Works Office, conference room 5.

Jacksonville Tree Commission
Wednesday November 15, 2023, – 9:30 AM
For approval January 17, 2024
Via Zoom Platform & In Person

**Commissioners
Present:**

Curtis Hart (Chair)
Susan Fraser
Nina Sickler
Chris Miller
William Burke

Staff: Charles Hayes (COJ)

Public: Jameka Smith (COJ)
Jennifer Grable (COJ)
Lisa Grubba (Greenscapes)
Nancy Powell (Scenic Jax)
Jill Enz
Sean Smalls
Anna Walling
Kathleen McGovern
Mike Zaffaroni (Liberty Landscape)
Jeff Lucovsky (COJ)
Scott Sauder (JEA)
Valerie Feinberg (Fuse Fellow)
Carol Register (COJ)
Brooks Andrews
John November (Public Trust)
Sandra Fetner

Advisors:

Susan Grandin, OGC
Justin Gearhart, City Arborist
Jonathan Colburn, Urban Forestry Manager
Jose Regueiro

1. **Call to Order** – Chair
2. **Roll Call and Verification of Quorum** – Chair
3. **Submittal of Speaker’s Cards** – Chair
 - a) A raised hand icon as well as waving at the screen will be acknowledged by the Chair.
 - b) For those attending in person, paper speakers’ cards are available.
4. **Action Items:**
 - a) Minutes from November 15, 2023, Tree Commission Meeting
 - i. Approved (Susan Fraser, William Burke second)
 - b) Proposed Level 3 Projects
 - c) Proposed Level 2 Project
 - i. Lift Ev’ry Voice and Sing Park
 1. Jill Enz and Sean Smalls presented the project.
 2. Public Comment
 - i. Curtis Hart asked the total amount requested.

- ii. Jill Enz replied 91 trees, \$225k with a 1-year warranty.
- iii. Curtis Hart asked who would be responsible for maintenance after the year.
- iv. Jill Enz replied, "The City of Jacksonville."
- v. Curtis Hart proposed other ideas for the park to include audio playing and future song competitions.
- vi. Susan Fraser inquired about the opening date and commented that a piece of the Emerald Trail would pass through the park.
- vii. Jill Enz stated the park would be open Spring 2024 and historic pavers were going to be used for the portion of the trail that would pass through.
- viii. Dupont representative commented that the company had raised \$2.5 million toward the project cost and expressed the great example of public/private partnerships.
- ix. Nancy Powell inquired about grass or turf would be used.
- x. Jill Enz stated it would be grass.

3. Vote

- i. Approved (Susan Fraser motion, Nancy Stickler second)
- d)** Fund balance and encumbrance report for 15(F) (Ordinance Tree Fund), 15(N) (Charter Tree Fund) and BJP (Attachment A) – Justin Gearhart
- e)** Fund Status of 630-CITY, Remove & Replace and Level 2 Programs (Attachment C) – Justin Gearhart
- f)** Status of Pending Level 2 Tree Projects (Attachment B) – Justin Gearhart

5. Reports

- a)** Jose Regueiro stated there was \$9.1 million in non-appropriated funding.
- b)** Jose Regueiro stated \$365k in revenue, \$223k in expenses, and the budget was at \$16,694 for expenses. \$9.9 million was not appropriated and cash was at \$26 million.
- c)** BJP money
 - i. Justin Gearhart inquired if a resolution on how to spend the BJP money.
 - ii. Susan Fraser stated it had been resolved
 - iii. Justin Gearhart suggested it as ordinance and charter to make it usable and transparent.
- d)** Level 2 Tree Projects Update
 - i. Justin Gearhart updated Moncrief, Sheffield, McGirts Creek, and Lift Ev'ry Voice and Sing.
- e)** Parks Department Update
 - i. Kathleen McGovern updated Westside was at 25% and McGirt will be presented later once revisions have been made.

6. New Business

- a)** RiversEdge funding request
 - i. RiversEdge multiuse development

1. Anna Walling presented the project
2. Public Comment
3. Preliminary presentation to the Commission with initial request of \$1.3 million funding
4. Curtis Hart (Chair) informed project team it will take time and continue to proceed through the process

b) Annual Report Draft- Justin Gearhart

- i. Justin made all requested changes to the report.
- ii. Curtis Hart requested a revised statement next to corresponding amounts to make it clearer.

c) City Council Meeting – Curtis Hart

- i. Member of Staff to attend a City Council meeting.
- ii. Present Tree Commission goals, milestones, and objectives. City Council members could also be made aware of public areas that are available for tree projects.

7. Public Comment

- 8. Adjournment** – the next Tree Commission meeting is scheduled for Wednesday, January 17, at 9:30am and will be a Hybrid/Zoom meeting in Ed Ball Building, 10th Floor, Public Works Office, conference room 5.



City of Jacksonville Parks - Level 2 Tree Planting

Senior Centers and Community Centers

Level 2 Tree Planting Project designated for City of Jacksonville Senior Centers and Community Centers in that have undergoing improvements. Many of the sites will benefit from heat mitigation these trees will provide and, in some cases, provide screening from adjacent land uses. Proposed trees are focused on native, large canopy trees to provide shade and environmental value to the site. Trees may be utilized in some cases to help define the perimeter boundaries of the park and to enhance and/or direct flow through the park space. Proposed trees will complement the sites both aesthetically and environmentally as well as provide shade to playground equipment and amenities. The trees will include one-year warranty/maintenance.

- Bennie Furlong Senior Center - 281 19th Ave. S.
- Jim Fortuna Senior Center - 11751 McCormick Rd.
- Leroy Clemons Senior Center - 55 Jackson Ave.
- Ribault River Preserve - 2617 Ribault Scenic Dr.
- Mayport Community Center - 4875 Mayport Rd.
- Ringhaver Park - 5198 118th St.

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 use this form.

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.
2. The number of trees requested may not exceed 200.

Complete the following information below:

1. Name/title of project: Senior Centers and Community Centers Tree Planting
2. Legal name of organization/citizen making suggestion:
Bennie Furlong Senior Center, Mayport Community residents, Ribault Community Volunteers
3. Organization or citizen mailing address:
214 N. Hogan St. Jacksonville, FL 32202
4. Contact phone number: 904-255-7906
Contact e-mail: kmcgovern@coj.net
5. Location/address of planting project:
See sheet 1 - scope of work
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):
Senior and Community Centers recently undergoing improvements and renovations were found to be lacking in tree cover and shade - proposed trees will provide this as well as heat mitigation, aesthetic and environmental benefits
8. Description of project:
Multiple Senior and Community Centers listed in the attached scope of work will be planted with shade trees to improve the quality of life at these venues.

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>.

COJ Parks Senior Centers and Community Centers - LEVEL 2 TREE PLANTING

Bennie Furlong - 281 19th Ave. S.

Description	Unit	Quantity	Unit Price*	Extended Price
<u>Quercus virginiana</u> Live Oak 4" Cal., 14' Ht., 8' Spd., 100 G or 40" B&B	EA	5	\$1,700.00	\$8,500.00
<u>Ligustrum japonicum</u> Tree Form Wax Leaf Ligustrum Min. 4 Trks. 8' Ht. 3.5' Spd.	EA	2	\$850.00	\$1,700.00
<u>Sabal palmetto</u> Sabal Palm 16" Regenerated, 12" Cal., Clean trunk	EA	2	\$800.00	\$1,600.00
Irrigation - tie into existing on-site irrigation with min. 2 bubblers per tree & digital timer	Job	1	\$7,600.00	\$7,600.00
Subtotal				\$19,400.00

Jim Fortuna Senior Center - 11751 McCormick Rd.

Description	Unit	Quantity	Unit Price*	Extended Price
<u>Quercus nutallii</u> Nutall Oak 4" Cal., 14' Ht., 4' Spd., 100 G or 40" B&B	EA	9	\$1,800.00	\$16,200.00
<u>Ulmus alata</u> Winged Elm 4" Cal., 14' Ht., 4' Spd., 100 G or 40" B&B	EA	2	\$1,750.00	\$3,500.00
<u>Quercus virginiana</u> Live Oak 4" Cal., 14' Ht., 8' Spd., 100 G or 40" B&B	EA	2	\$1,700.00	\$3,400.00
<u>Chionanthus virginicus</u> Fringetree Std. 2" Cal., 8' Ht., 4' Spd., 30 G or 24" B&B	EA	7	\$1,100.00	\$7,700.00
Removals - dead/dying trees 5" DBH	EA	7	\$450.00	\$3,150.00
Subtotal				\$33,950.00

Leroy Clemons Senior Center - 55 Jackson Ave.

Description	Unit	Quantity	Unit Price*	Extended Price
<u>Quercus nutallii</u> Nutall Oak 4" Cal., 14' Ht., 4' Spd., 100 G or 40" B&B	EA	4	\$1,800.00	\$7,200.00
<u>Betula nigra</u> 'Dura-Heat' River Birch Min. 3 Trunks, 12' Ht., 4' Spd., 45 G or 32" B&B	EA	3	\$1,000.00	\$3,000.00
<u>Quercus virginiana</u> Live Oak 4" Cal., 14' Ht., 8' Spd., 100 G or 40" B&B	EA	6	\$1,700.00	\$10,200.00
<u>Ilex attenuata</u> 'Eagleston' Holly 4" Cal., 14' Ht., 6' Spd., 40" B&B	EA	3	\$1,100.00	\$3,300.00
Subtotal				\$23,700.00

Ribault River Preserve - 2617 Ribault Scenic Dr.

Description	Unit	Quantity	Unit Price*	Extended Price
<u>Quercus virginiana</u> Live Oak 4" Cal., 14' Ht., 8' Spd., 100 G or 40" B&B	EA	3	\$1,700.00	\$5,100.00
<u>Betula nigra</u> 'Dura-Heat' River Birch Min. 3 Trunks, 12' Ht., 4' Spd., 45 G or 32" B&B	EA	3	\$1,000.00	\$3,000.00
<u>Taxodium distichum</u> Bald Cypress 4" Cal., 14' Ht., 8' Spd., 100 G or 40" B&B	EA	5	\$1,500.00	\$7,500.00
<u>Magnolia grandiflora</u> DD Blanchard Southern Magnolia, 4" Cal., 12' Ht., 6' Spd., 100 G or 40" B&B	EA	3	\$1,750.00	\$5,250.00
<u>Chionanthus virginicus</u> Fringetree Std. 2" Cal., 8' Ht., 4' Spd., 30 G or 24" B&B	EA	3	\$1,100.00	\$3,300.00
<u>Juniperus silicicola</u> 'Brodie' Redcedar, 3" Cal., 10' Ht., 4' Spd., 65 G or 36" B&B	EA	3	\$1,000.00	\$3,000.00
<u>Myrica cerifera</u> Waxmyrtle Min. 4 Trunks, 8' Ht., 6' Spd., 45 G or 32" B&B	EA	3	\$850.00	\$2,550.00
Subtotal				\$29,700.00

Mayport Community Center - 4875 Mayport Rd.

Description	Unit	Quantity	Unit Price*	Extended Price
<u>Juniperus silicicola</u> 'Brodie' Redcedar, 3" Cal., 10' Ht., 4' Spd., 65 G or 36" B&B	EA	5	\$1,000.00	\$5,000.00
<u>Pinus palustris</u> Longleaf Pine 4" Cal., 12' Ht., 4' Spd., 100 G or 40" B&B	EA	9	\$900.00	\$8,100.00
Subtotal				\$13,100.00

Ringhaver Park - 5198 118th St.

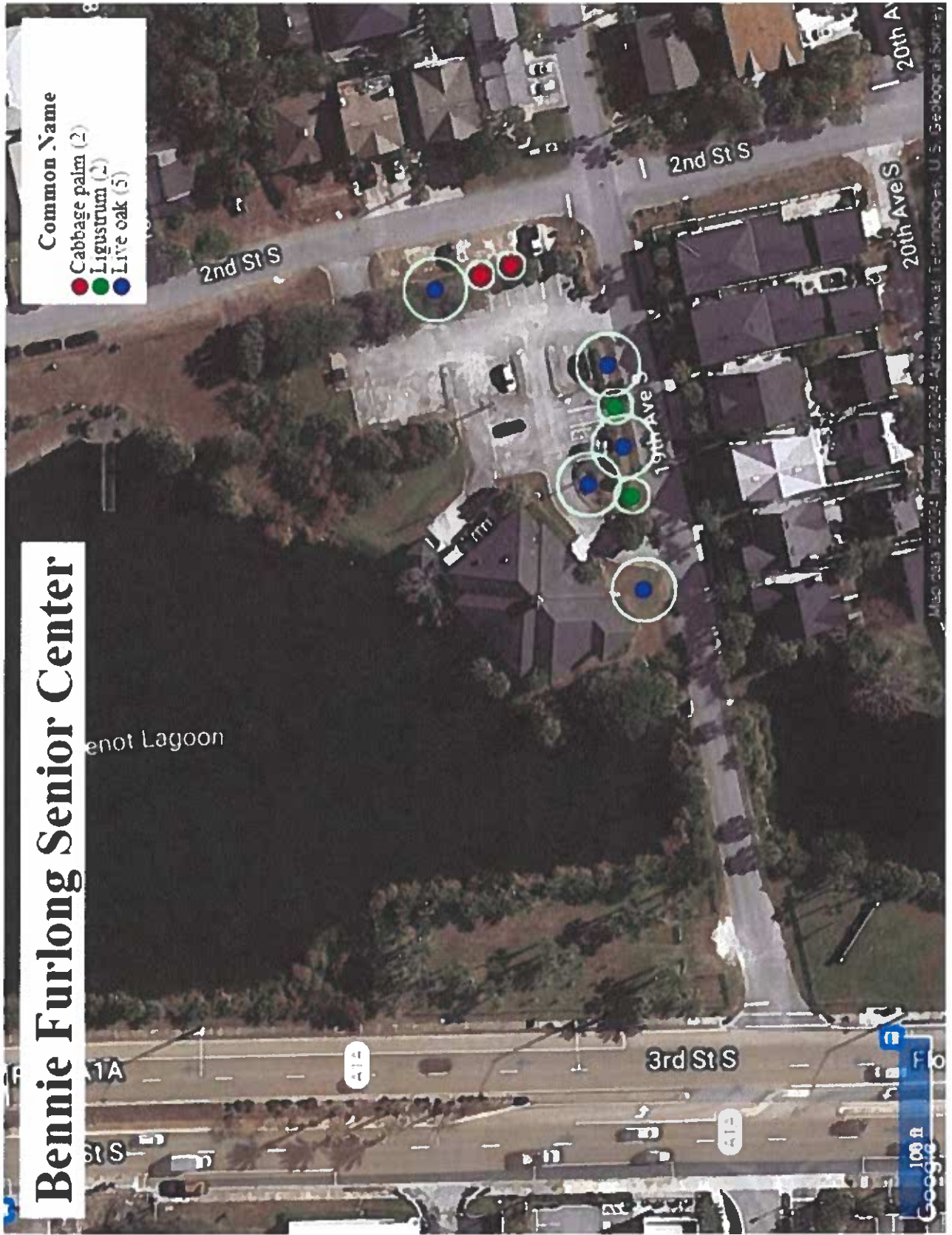
Description	Unit	Quantity	Unit Price*	Extended Price
<u>Ulmus alata</u> Winged Elm 4" Cal., 14' Ht., 4' Spd., 100 G or 40" B&B	EA	7	\$1,750.00	\$12,250.00
<u>Taxodium distichum</u> Bald Cypress 4" Cal., 14' Ht., 8' Spd., 100 G or 40" B&B	EA	12	\$1,500.00	\$18,000.00
<u>Quercus nutallii</u> Nutall Oak 4" Cal., 14' Ht., 4' Spd., 100 G or 40" B&B	EA	6	\$1,800.00	\$10,800.00
<u>Magnolia grandiflora</u> DD Blanchard Southern Magnolia, 4" Cal., 12' Ht., 6' Spd., 100 G or 40" B&B	EA	3	\$1,750.00	\$5,250.00
<u>Chionanthus virginicus</u> Fringetree Std. 2" Cal., 8' Ht., 4' Spd., 30 G or 24" B&B	EA	3	\$1,100.00	\$3,300.00
<u>Betula nigra</u> 'Dura-Heat' River Birch Min. 3 Trunks, 12' Ht., 4' Spd., 45 G or 32" B&B	EA	3	\$1,000.00	\$3,000.00
Subtotal				\$52,600.00
Total				\$172,450.00

*Unit prices based 1-year warranty/maintenance of plant material contract CP-0459-22

Bennie Furlong Senior Center

Common Name

- Cabbage palm (2)
- Ligustrum (2)
- Live oak (5)



Jim Fortuna Senior Center

Common Name

- Chinese Fringe Tree (7)
- Live oak (2)
- Nuttall Oak (9)
- Winged elm (2)



100 ft
Google

Leroy Clemons Senior Center

Common Name

- Eagleston Holly (3)
- Live oak (6)
- Nuttall Oak (4)
- River birch (3)



100 ft
Google

Map data ©2024 Imagery ©2024 Google, Mapbox, U.S. Geological Survey

Ribault River Preserve

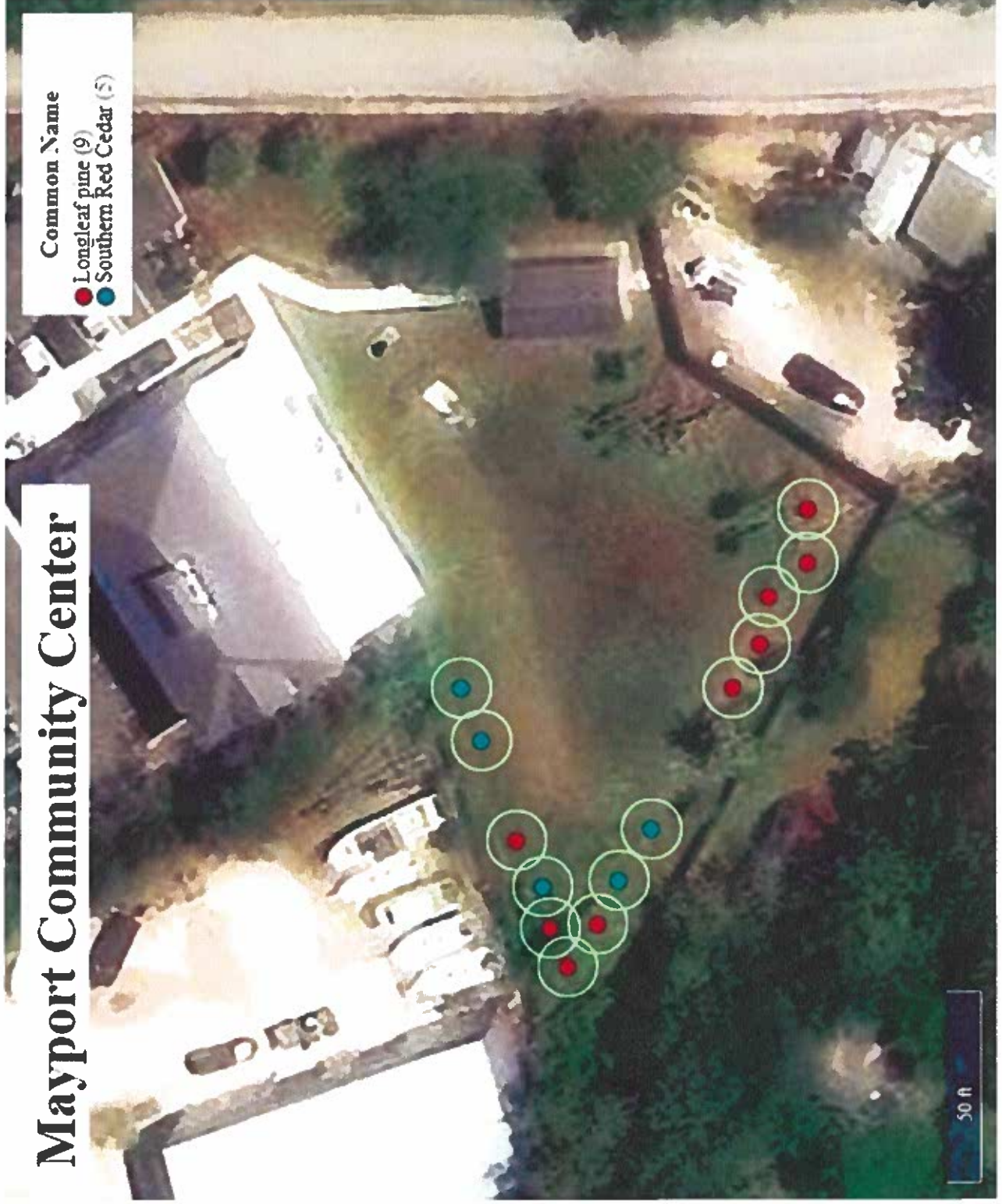
- Common Name**
- Baldcypress (5)
 - Fringe Tree (3)
 - Live oak (3)
 - River birch (3)
 - Southern magnolia (3)
 - Southern Red Cedar (3)
 - Wax Myrtle (3)



Mayport Community Center

Common Name

- Longleaf pine (9)
- Southern Red Cedar (5)



50 ft

To Be Completed By City of Jacksonville/Public Works Staff Only

Level 2 - Community Organization Tree Planting Program Staff Checklist

Project is to be planted on Public Land

Project is located in Duval County

Total number of trees to be installed 116

Project Title:

COJ Senior + Community Center Tree Planting

Total number of trees to be removed 7

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 checked="" type="checkbox"/> No <input type="checkbox"/> If yes, are costs reasonable? <u>Bernie Furlong - repair existing irrigation</u>	✓
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.	✓
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.	✓

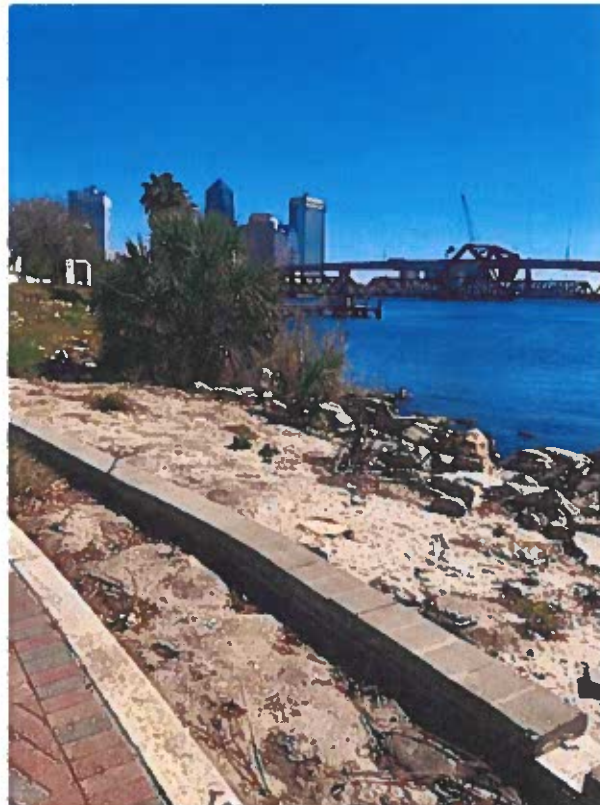
COMMENTS:



A NEW DAY.

Northbank Riverwalk Phase 2 – Level 2 Tree Planting

This project is located on the Northbank Riverwalk and will be a Phase 2 tree planting beginning at 245 Riverside Ave. and extending to the northwest to 111 Riverside Ave. Species were selected based on ability to sustain salt spray, are native, and have shown to be successful along the riverwalk. The species and planting sites have been assessed with the contractor and placement recommendations were made based on site assessments while maintaining various viewsheds of the river. Trees will be field grown and hardened-off prior to installation into irrigated sites, thus reducing incidences of transplant shock and increasing survivability. Shade trees/large canopy trees were the preferred species on the project and have been considered a priority. This project will include irrigation installation - meter and backflow are already in place. Additional soil in eroded areas to sustain trees will be installed with erosion control and site/soil stabilizing grasses (funding from separate source) as well as the removal of six trees in poor/dying condition. The link below will access the canopy planner where the tree sites are recorded. <https://pg-cloud.com/JacksonvilleFL/?scenario=nbrw1>



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 use this form.

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.
2. The number of trees requested may not exceed 200.

Complete the following information below:

1. Name/title of project: Northbank Riverwalk Phase 2
2. Legal name of organization/citizen making suggestion:
City of Jacksonville Parks
3. Organization or citizen mailing address:
214 N. Hogan St. Jacksonville FL 32202
4. Contact phone number: 904-255-7906
Contact e-mail: kmcgovern@coj.net
5. Location/address of planting project:
Northbank Riverwalk 221 Riverside Ave.
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):
Tropical Storm damaged area to be renovated with shade trees to include erosion control/soil stabilization as well as irrigation for the tree plantings.
8. Description of project:
Shade trees planted along Northbank Riverwalk to provide shade for pedestrian walkways, viewing areas, and seating areas.

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>.

To Be Completed By City of Jacksonville/Public Works Staff Only

Level 2 - Community Organization Tree Planting Program Staff Checklist

Total number of trees to be installed 30

Project is to be planted on Public Land

Total number of trees to be removed 6

Project is located in Duval County

Project Title:

NOEDD BANK RIVERWALK
PHASE 2

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 checked="" type="checkbox"/> No <input 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.	✓
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:

Northbank Riverwalk Phase 2 - Level 2 Tree Planting

Cost Estimate - 1-Year Maintenance/Warranty

Description	Unit	Quantity	Unit Price	Extended Price
<i>Quercus virginiana</i> Live Oak 4" Cal., 14' Ht., 8' Spd., 100 G or 40" B&B	EA	13	\$1,700.00	\$22,100.00
<i>Quercus nutallii</i> Nutall Oak 4" Cal., 14' Ht., 8' Spd., 100 G or 40" B&B	EA	8	\$1,800.00	\$14,400.00
<i>Taxodium distichum</i> Bald Cypress 4" Cal., 12' Ht., 4' Spd., 100 G or 40" B&B	EA	3	\$1,500.00	\$4,500.00
<i>Sabal palmetto</i> Sabal Palm 12" Cal. 16' Ht. Clean trunk, Regenerated	EA	6	\$800.00	\$4,800.00
Removal of 6 dead/dying shrubs/trees	EA	6	\$650.00	\$3,900.00
Removal of unsuitable soil - excavate and remove unsuitable soil and replace with soil mix and installation of erosion control cloth for shore stabilization surrounding tree planting sites				\$12,775.00
Installation of 4-zone irrigation system; bubblers to each tree site; tie into existing meter; installation of timer				\$7,200.00
Contingency 10%				\$6,967.50
TOTAL				\$ 76,642.50

January 10, 2024

Jenny Hinton, PhD
Preserve and Waterfront Manager
City of Jacksonville Parks, Recreation and Community Services
214 N. Hogan Street, 4th Floor
Jacksonville, FL 32202

RE: McGirts Creek Restoration Project (Revised) 19L0032

Dear Ms. Hinton:

Hanson Professional Services Inc. (Hanson) and our subconsultant Terracon, hereby called the TEAM appreciates the opportunity to submit a proposal for the McGirts Creek Wetland Restoration Project. This project is intended to enhance the ecological function of approximately fifty acres of wetlands at McGirt's Creek Preserve. Restoration work will be focused on wetland habitats, but adjacent upland communities will be enhanced to optimize ecological functions of restored wetlands. This project is not related to any construction projects and does not include any compensatory mitigation activities.

The abbreviated project description, scope of services, CLIENT'S responsibilities, schedule, and compensation are as follows:

I. ABBREVIATED PROJECT DESCRIPTION

The site is located at McGirt's Creek/Ortega River, near the Settlers Landing area of Jacksonville, Florida. The project site is owned by the City of Jacksonville (COJ) and is associated with the established Whitehouse Waste Oil Pits Super Fund site. The site is vegetated and consists of the McGirt's Creek/Ortega River, as well as associated bottomland and planted pine areas. If this is not accurate, or if you have additional useful information, please inform us as soon as possible.

Based on our TEAM's understanding of the project, a wetland delineation to help re-establish the wetland lines and verify existing site conditions is requested as Task 1. Task 2 will consist of updating the existing wetland restoration plan for this parcel and providing additional updated site information, as well as additional success criteria to help determine when restoration goals have been met. This will also include submittal to St. Johns River Water Management District (SJRWMD) to help determine any permitting needs. The following section outlines our Team's scope and fees to provide wetland delineation and site mapping, as well as updating the restoration plan and baseline monitoring.

II. SCOPE OF SERVICES

The following scope of services outline the TEAM's scope and fees to provide wetland delineation and site mapping, as well as updating the restoration plan.

TASK 1 - Site Assessment

The TEAM will conduct a Site Assessment, including a desktop assessment and field survey of the McGirts Creek Park Expansion Restoration Areas (restoration areas) as identified in Attachment A of the August 12, 2011 Draft Restoration Plan. The purpose of this Site Assessment will be to document the current conditions as a starting point for planning restoration activities.

The Site Assessment will be completed by wetland scientists with experience performing wetland delineations and visual assessments of ecological functions. The scientists will use standard practices to perform wetland delineations and will complete wetland data forms [published by Florida Department of Environmental Protection, (FDEP)] to document site conditions and wetland indicators. The boundaries of upland and wetland areas will be delineated, and natural habitat types will be mapped. Habitats will be classified according to the Florida Natural Areas Inventory (FNAI) Guide to the Natural Communities of Florida (2010 edition). Plant communities will be surveyed; the species of trees, shrubs, ground cover present will be reported along with their abundance. The results of the Site Assessment will be used to update the Restoration Implementation Plan (Task 2).

TASK 2 – Wetland Restoration Implementation Plan

The existing restoration plan for the project written in 2011 provides a framework for the proposed restoration activities. However, regulatory staff have requested a current plan. Therefore, the TEAM will prepare an undated plan, which will be called the Restoration Implementation Plan (Plan). This Plan will build on the existing restoration plan and provides additional specificity needed to successfully execute restoration activities. The Plan will be written to reflect current conditions at the restoration site; the TEAM will use the results of the Site Assessment (Task 1) for this purpose. The Plan will include information on all restoration activities, including thinning planted pines, removing invasive plants, site preparation techniques, and planting flood-tolerant native species. A timeline for restoration activities will be provided in the Plan; the timeline will include the order of sequential activities, activities that must be completed during particular seasons, and anticipated dates for meeting key milestones. The Team shall coordinate with the City's Park staff and regulatory agencies (as required) to ensure the Plan is sufficiently detailed to guide implementation.

A key component of the restoration project is planting native flood-tolerant plants after planted pines are thinned. Only facultative wet or obligate wetland tree species will be planted in wetlands. Native trees will also be planted in upland areas adjacent to wetland restoration areas where native tree density and biodiversity are low. At this time, it is expected that approximately 12,000 trees will be planted within the restoration site. However, it will not be possible to finalize the planting protocol until thinning has been completed and site conditions are reassessed. Therefore, the Plan will include a description of the general framework that will be used to make planting decisions, such as the factors to be considered when choosing the species, size, location, and density of planting units.

Tree species currently being considered for planting are:

Species Name	Common Name
<i>Magnolia virginiana var. australis</i>	Sweetbay Magnolia
<i>Persea palustris</i>	Swamp bay
<i>Taxodium spp.</i>	Cypress
<i>Nyssa spp.</i>	Tupelo
<i>Fraxinus spp.</i>	Ash
<i>Ilex cassine</i>	Dahoon Holly
<i>Quercus lyrata</i>	Overcup oak

<i>Gordonia lasianthus</i>	Bay loblolly
<i>Liquidambar styraciflua</i>	Sweetgum
<i>Platanus occidentalis</i>	Sycamore
<i>Quercus spp.</i>	Oaks
<i>Ulmus spp.</i>	Elm

The Plan will include a few specific, measurable, and time-bound goals for the project. Project goals will be directly related to restoration tasks, including treatment of invasive species and survival of planted seedlings. For example, goals may be that 1 year after planting: 1) less than 10% cover by invasive plants, 2) at least 80% survival of tree seedlings within each planted area, and 3) at least 75% survival of tree species planted in each area. Five years after planting, goals may be to have 1) less than 5% invasive plant cover, 2) at least 70% survival of tree seedlings planted within each area, and 3) at least 50% survival of tree species planted in each area. Project goals will be used to guide the monitoring protocols for the project.

TASK 3 - Regulatory Authorization(s)

The Team will schedule and facilitate a meeting with the City and SJRWMD, to discuss the restoration project. One of the goals of this meeting will be to determine which, if any, permits and / or permit exemption verifications are needed. Another goal will be to get concurrence on the Plan. Therefore, prior to this meeting, the TEAM will submit the Plan to the City, and SJRWMD for review. The TEAM will revise the Plan, as needed, to address any feedback received from the City, and / or SJRWMD. If State individual permit is required, then the TEAM will prepare and submit all necessary application forms and supporting materials. This task does not include coordination or permitting with USACE, as it is presumed since this project is part of an overall permitted Super Fund Site, no additional Federal permitting will be required.

TASK 4 - Restoration and Enhancement

Ecological restoration of wetlands and adjacent uplands will be done using a phased approach.

Phase A - Initial treatment of invasive plants

The contractor will complete a three-day field effort to treat invasive plant species within restoration project area(s) using mechanical means and / or application of herbicides. The primary focus of this field effort will be on treating invasive species categorized as Tier 1 and Tier 2 by the Florida Invasive Species Council. Information on the presence, abundance, and treatment of invasive species will be recorded and reported using EddMaps (or other City-approved spatial mapping software, e.g., ArcGIS).

Phase B - Thinning planted pine trees

Thinning of planted pines is not part of this Scope of Work but is included here for reference. The TEAM will be notified when pine thinning has been completed and when the next phase of restoration work can proceed.

Phase C - Reassessment of site and site preparation for restoration

- C1: Reassessment of site conditions: The TEAM will visually inspect the restoration site to identify any issues in need of remediation or potential opportunities for enhancement. The information gained from this site

inspection will be used to plan site preparation work and to finalize the planting plan.

- C2: Site preparation¹ - exact tasks are currently undefined. Activities may include but are not limited to:
 - Removal of excessive debris from thinning operations
 - Minor surface earthwork manipulation to improve hydrology or other site conditions
 - Additional treatment(s) of invasive plants
 - Removal of nuisance animals
 - Installation of barriers to restrict unauthorized access

Phase D - Planting native tree species

- *D1: Finalization of the planting plan:* The TEAM will finalize the planting plan based on the condition of the site following pine thinning and site preparation. The planting plan will include a brief description of the species, size, position, and density of tree seedlings to be installed within each planting area. Figures (maps and diagrams) will also be provided to illustrate the planting plan in sufficient detail to guide planting activities. The planting plan will define planting areas, which will be differentiated based on their location within the restoration site and / or site conditions (e.g., soil moisture, elevation, existing tree canopy). Planting areas defined in the planting plan will be used to guide both planting and monitoring activities.
- *D2: Sourcing, supplying, and delivering tree seedlings:* this task will be handled by the City but is included here for reference.
- *D3: Planting tree seedlings in accordance with planting plan:* this task will be handled by the City but is included here for reference.

Task 5 - Monitoring and Adaptive Management

During each phase of restoration and during each monitoring event, the TEAM will take photographs of the restoration site at a series of permanent photos stations. A maximum of 10 permanent photo stations will be established across the restoration site, and the location of these will be coordinated with the City. These photo stations should be marked (using pvc pipes, metal stakes, or similar means and methods) to ensure the angle and height of photos is consistent over time.

During the planting phase of restoration, the TEAM will oversee operations to ensure work is completed in compliance with the planting plan. The TEAM will notify the City of any deviations from the final planting plan (e.g., number or species of seedlings planted). The TEAM will also notify the City of any issues with the quality of seedlings, problematic planting techniques, changes in site conditions, and any other notable observations.

¹ At this time, the City is unable to quantify the exact amount of work required to complete this task. For purposes for this proposal, we have included the costs for 120 hours of work by technicians / crew, 40 hours of work by crew team leaders / supervisors, and 10 hours of work by a project manager. The contractor will be paid for actual hours worked. The cost of equipment and materials will be calculated once activities are defined; changes in project cost will be handled via a contract modification.

After planting is completed, the TEAM will monitor seedlings over time and will visually assess site conditions. The purpose of monitoring will be to determine if project goals are achieved and to identify the need for potential adaptive management actions to achieve project goals. The restoration site will be monitored 8 times over a 5-year period.

The first monitoring event will be completed immediately after planting is completed (as soon as possible, but no later than 1-month). During this initial survey event, the TEAM will document that restoration activities were completed in accordance with the Plan. A map of the planted areas will be provided, showing where different species of tree seedlings were planted and the spacing or density at which these seedlings were planted. Drawings need not include individual seedlings but should be sufficiently detailed to document any deviations from the planting plan and to guide future monitoring events.

The next two monitoring events will be completed three months and six months after the initial survey to document any immediate issues to expedite corrective action, if necessary. Thereafter, the project will be monitored annually during the growing season at the same time each year for 5 years. Monitoring protocols will be consistent across all surveys to allow for comparisons over time. During each monitoring event, the TEAM will monitor a representative subsample (i.e., 10% of tree seedlings of each species within each planted area) over time. The seedlings to be monitored will be randomly chosen and will be marked with a unique identifier (e.g., metal tree tag). During each monitoring event, selected seedlings will be visually assessed and reported as either alive or dead. The results of these visual assessments will be reported as percentage of surviving seedlings by species per planted area. During each monitoring event, the TEAM will also inspect the restoration site for invasive plants and will report observations (i.e., species and aerial cover) using EddMaps. During each monitoring event, the TEAM will document any notable observations, such as changes in site conditions that may impact the success of the restoration project (e.g., evidence of disturbances like disease, storm damage, or nuisance animals).

The TEAM will use monitoring results to make recommendations for adaptive management. For example, if monitoring data indicates an abundance of invasive species in an area where planting success is low, the TEAM may recommend removal of invasive species and planting additional native trees. Alternatively, if seedling mortality is observed for only one of the tree species, the TEAM may recommend replanting another tree species. If the City decides to move forward with the recommended adaptive management work, then the City may choose to execute a change-order to this scope of work or may choose to complete this work under a separate contract.

TASK 6 - Deliverables and Reports

All deliverables will be provided electronically to both the City and USFWS. The TEAM will provide all data via a secure data sharing website and / or on external hard drives, as directed by the City. The TEAM should be available (via email and / or virtual meetings) to answer questions about the deliverables.

Several deliverables will be prepared and provided prior to the initiation of restoration work:

- The TEAM shall submit a **Site Assessment Report**, including a narrative description of the methods and results of the Site Assessment (Task 1) as well as figures and photographs to illustrate the findings of the Site Assessment. A georeferenced map and ArcGIS data files for the restoration areas shall be submitted concurrent with the Site Assessment Report with boundaries of each habitat type and wetlands within the restoration site.
- The TEAM shall submit the **Restoration Implementation Plan** (Task 2), including information described above. This document should be as concise as possible, referencing the existing restoration plan and copying information from this Scope of Work and the Site Assessment Summary, as needed.
- The TEAM shall submit any additional documents prepared for the SJRWMD.

The TEAM will also prepare deliverables to verify that restoration tasks are completed as described in this Scope of Work and the Plan:

- **Photographs:** The TEAM will take photographs of the restoration site during each phase of restoration and during each monitoring event, and the TEAM will submit these to the City to document the restoration process.
- **Conditions following site preparation:** If any earthwork was completed as part of the restoration site preparation work prior to planting, the TEAM shall provide topographic data for the site and a map showing predicted hydrological conditions (e.g., permanently flooded, seasonally flooded, rarely flooded) to help guide planting decisions.
- **Monitoring results:** Within 30 days of completing each monitoring event, the TEAM will check the monitoring data for accuracy and will submit it to the City as Excel files in standard, stacked-data, spreadsheet format. Monitoring results will be presented using a few figures and tables documenting findings that are directly relevant to project goals; figures should be able to be interpreted quickly and easily to assess whether project goals are being met. For example, the monitoring results deliverable should include a figure (or series of figures) showing the percentage of seedlings for each tree species alive in each planted area during each monitoring event. The deliverable should also include a table listing the species of invasive plants observed in the restoration area with their relative abundance. The TEAM will also provide a brief narrative summary (no more than 1 page) of key findings and notable observations. As needed, the TEAM will provide recommendations for adaptive management.

III. CLIENT'S RESPONSIBILITIES

- a. Provide the TEAM with any information, agreements, and/or restrictions that may be in effect on the property and impact the design guidelines or criteria for the project.
- b. Provide the TEAM with all necessary site access agreements.
- c. Secure all necessary site related approvals, permits, licenses, and consents necessary to commence and complete the services and will execute any necessary site access agreements.

IV. SCHEDULE

The TEAM will perform its services in a prompt and timely manner and as expeditiously as is consistent with professional skill and care and the orderly progress of the work. We also acknowledge that the City is to be regularly and routinely consulted in connection with the performance hereunder. It is anticipated that the delineation will be completed with 10 business days of notice to proceed, weather dependent. The updated restoration plan will be provided within 30 business days of the completion of the field work.

V. EXCLUDED SERVICES

The TEAM's Scope of Services expressly does not include the following services:

- a. Geotechnical services or environmental contamination assessments
- b. Full topographic or boundary surveys. Survey allowance is only incidental areas that may need regrading.
- c. Federal Permitting
- d. City of Jacksonville 10 set permitting
- e. Hydraulic modeling.
- f. Costs of heavy equipment and materials

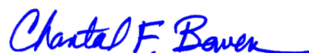
VI. FEE SCHEDULE

Our fees for the described services are outlined in the following table.

Scope of Services	Lump Sum Fee
Hanson Management and Oversight	\$30,920.69
Incidental Survey Allowance	\$5,000.00
Terracon Environmental	
Task 1 Site Visit	\$5,807.19
Task 2 Wetland Restoration Plan	\$9,584.36
Task 3 Regulatory Authorization(s)	\$3,401.12
• (Agency Coordination \$760.15)	
• (SJRWMD Permit, if needed \$2,640.97)	
Task 4 Restoration and Enhancement	\$16,352.12
Task 5 Monitoring and Adaptive Management (\$6,821.80/yr)	\$34,109.00
Task 6 Deliverables and Reports	\$8,697.75
Total Fee Terracon	\$77,951.54
Total Fee	\$113,872.23

We look forward to working with the city on this project. We can proceed with this effort upon final written authorization from you. Thank you.

Sincerely,



Chantal Bowen, PE
Sr. Project Manager
Hanson Professional Services

PART ONE - GENERAL				
1. PROJECT McGirts Creek Wetland Restoration		2. PROPOSAL NUMBER 20L0032		
3. CONSULTANT HANSON PROFESSIONAL SERVICES, INC.		4. DATE OF PROPOSAL 1/10/2024		
PART TWO - LABOR RELATED COSTS				
5. DIRECT LABOR	HOURLY RATE	ESTIMATED HOURS	ESTIMATED COST	TOTAL
Principal	\$93.00	10	\$ 930.00	
Project Manager	\$91.00	33	\$ 3,003.00	
Project Engineer	\$72.50	45	\$ 3,262.50	
Site Civil Engineer	\$41.50	48	\$ 1,992.00	
Civil Designer	\$33.50	24	\$ 804.00	
Clerical	\$30.00	3	\$ 90.00	
TOTAL DIRECT LABOR				\$ 10,081.50
6. OVERHEAD (COMBINE FRINGE BENEFIT AND ADMINISTRATIVE) OVERHEAD RATE - 171.16% X TOTAL DIRECT LABOR				\$ 17,255.50
7. SUBTOTAL - LABOR + OVERHEAD (ITEMS 5 & 6)				\$ 27,337.00
8. PROFIT - LABOR RELATED COSTS (ITEM 7) X 10%				\$ 2,733.70
PART THREE - OTHER COSTS				
9. MISCELLANEOUS DIRECT COSTS				
ORIGINAL REPRODUCIBLE - VELLUM PLOTS				
BLUELINES - 24"x36"				
PAPER COPIES				
SHIPPING				
MISCELLANEOUS DIRECT COSTS SUBTOTAL				\$ 850.00
10. SUBCONTRACTS - LUMP SUM				
Environmental Services				\$77,951.54
Survey				\$5,000.00
SUB-CONTRACT SUBTOTAL				
TOTAL LUMP SUM AMOUNT (ITEMS 5,6,8,9 &10)				\$82,951.54
11. REIMBURSABLE COSTS (LIMITING AMOUNT)				
Other Expenses				
SUBTOTAL REIMBURSABLE				\$ -
PART FOUR - SUMMARY				
TOTAL AMOUNT OF CONTRACT (LUMP SUM PLUS REIMBURSABLE) ITEMS 5,6,8,9,10,&11				\$ 113,872.23

DATE: 01/10/24
CLIENT: City of Jacksonville
PROJECT: McGirts Creek Wetland Restoration

	Principal HRS	Project Mgr HRS	Project Eng HRS	Engineer HRS	Civil Designer HRS	Clerical HRS	TOTAL HRS
a. Conceptual Design							
Site Visits, Data Collection and Review	0	3	6	6	0	0	15
Survey Coordination and Review	0	1	0	1	1	1	4
Coordination with Environmental Sub	3	3	3	2	1	1	13
Support for Wetland Restoration Implementation Plan	3	3	3	2	1	1	13
Minor grading analysis as needed	0	1	6	6	0	0	13
Monitoring and adaptive management support	1	3	4	3	1	0	12
Site Assessment Report	0	2	2	2	0	0	6
Site AS-built Conditions	0	1	2	6	4	0	13
Monitoring Report Support	0	2	2	2	0	0	6
COJ & Team Coord. Meetings (assumes 6)	3	6	6	0	0	0	15
Sub-total Hours	10	25	34	30	8	3	110
b. Plan Production							
Minor Earthwork refinement grading Plans	0	1	3	12	12	0	28
Quality Control	0	1	0	0	0	0	1
Supervision	0	1	0	0	0	0	1
Sub-total Hours	0	3	3	12	12	0	30
b. Permitting & Other							
SJRWMD Meetings (assumes 1)	0	3	4	2	0	0	9
SJRWMD Permit submittal	0	2	4	4	4	0	14
Sub-total Hours	0	5	8	6	4	0	23
Sub-Total Manhours	10	33	45	48	24	3	163
Hourly Rates	\$277.40	\$271.43	\$216.25	\$123.78	\$99.92	\$89.48	
Sub-Total Design/Permitting Dollars	\$2,773.97	\$8,957.23	\$9,731.25	\$5,941.66	\$2,398.14	\$268.45	\$30,070.69

Sub-Total - Hanson	\$30,070.69
Reimbursables	\$850.00
Survey Allowance	\$5,000.00
Environmental Services	\$77,951.54
Total All Services	\$113,872.23



8001 Baymeadows Way, Suite 1
Jacksonville, FL 32256
P (904) 900-6494
F (904) 268-5255
Terracon.com

January 10, 2024

Ms. Chantal Bowen
Hanson Professional Services, Inc.
8075 Gate Parkway W., Suite 204
Jacksonville, Florida 32216

Telephone: (904) 423-5354
E-mail : cbowen@hanson-inc.com

**Re: Proposal for Wetland Restoration Services
City of Jacksonville's McGirt's Creek Restoration
Jacksonville, Duval County, Florida
Terracon Proposal No. PEQ227371**

Dear Ms. Bowen:

Terracon Consultants, Inc. (Terracon) appreciates the opportunity to submit this proposal to Hanson Professional Services, Inc. (Client) to provide wetland restoration services for the above referenced project in Jacksonville, Florida. This proposal outlines our understanding of the project, our planned work scope and associated fee, and our terms and conditions associated with the performance of this work.

If this proposal meets with your approval, work may be initiated by returning a Task Order pursuant to our Master Subconsultant Agreement dated July 17, 2020 to our Jacksonville, Florida. The terms, conditions, and limitations stated in the Master Subconsultant Agreement and sections of this proposal incorporated therein, shall constitute the exclusive terms and conditions and services to be performed for this project.

We appreciate the opportunity to provide this proposal. If you have questions or comments regarding this proposal or require additional services, please give us a call.

Sincerely,
Terracon Consultants, Inc.

Ryan Taylor

Ryan Taylor
Senior Project Manager
(904) 470-2221
Ryan.Taylor@Terracon.com

Brett Anderson

Brett Anderson
Group Manager
(904) 470-2205
Brett.Anderson@Terracon.com

Attachments: Detailed Scope of Services
Contract Fee Summary

Explore with us

DETAILED SCOPE OF SERVICES

1.0 PROJECT INFORMATION

The site is located at McGirt's Creek/Ortega River, Near Settlers landing area in Jacksonville, Duval County, Florida and comprises a total of approximately 150 acres. The project site is owned by the City of Jacksonville (COJ) and is associated with the established Whitehouse Waste Oil Pits Super Fund site. The site is vegetated and consists of the McGirt's Creek/Ortega River, as well as associated bottomland and planted pine areas. If this is not accurate, or if you have additional useful information, please inform us as soon as possible.

Based on Terracon's understanding of the project, a wetland delineation to help re-establish the wetland lines and verify existing site conditions is requested as Task 1. Task 2 will consist of updating the existing wetland restoration plan for this parcel and providing additional updated site information, as well as additional success criteria to help better determine when restoration goals have been met. This will also include coordination with St. Johns River Water Management District (SJRWMD) to help determine any permitting needs. The following sections outline Terracon's scope and fees to provide wetland delineation and site mapping, as well as updating the restoration plan and baseline monitoring.

2.0 SITE ASSESSMENT

Terracon will conduct a site assessment, including a desktop assessment and field survey of the McGirt's Creek Park Expansion Restoration Areas (restoration areas) as identified in Attachment A of the August 12, 2011, Draft Restoration Plan. The results of the desktop assessment will be used to plan the field survey. The purpose of this site assessment will be to document the current conditions as a starting point for planning restoration activities.

The site assessment will be completed by wetland scientists with experience performing wetland delineations and visual assessments of ecological functions. The scientists will use standard practices to perform wetland delineations and will complete wetland data forms [published by Florida Department of Environmental Protection (FDEP)] to document site conditions and wetland indicators. The boundaries of upland and wetland areas will be delineated, and natural habitat types will be mapped. Habitats will be classified according to the Florida Natural Areas Inventory (FNAI) Guide to the Natural Communities of Florida (2010 edition). Plant communities will be surveyed; the species of trees, shrubs, ground cover present will be reported along with their abundance. The results of the site assessment will be used to update the Restoration Implementation Plan (Task 2).

3.0 WETLAND RESTORATION IMPLEMENTATION PLAN

The existing restoration plan for the project written in 2011 provides a framework for the proposed restoration activities. However, regulatory staff have requested a current plan. Therefore, Terracon will prepare an undated plan, which will be called the Restoration Implementation Plan (Plan). This Plan will build on the existing restoration plan and provides additional specificity needed to successfully execute restoration activities. The Plan will be written to reflect current conditions at the restoration site; Terracon will use the results of the Site Assessment (Task 1) for this purpose. The Plan will include information on all restoration activities, including thinning planted pines, removing invasive plants, site preparation techniques, and planting flood-tolerant native species. A timeline for restoration activities will be provided in the Plan; the timeline will include the order of sequential activities, activities that must be completed during particular seasons, and anticipated dates for meeting key milestones.

Proposal for Wetland Restoration Services

COJ McGirt's Creek Restoration ■ Duval County, Florida
January 10, 2024 ■ Terracon Proposal No. PEQ227371



Terracon shall coordinate with the City's Park staff and regulatory agencies (as required) to ensure the Plan is sufficiently detailed to guide implementation. A key component of the restoration project is planting native flood-tolerant plants after planted pines are thinned. Only facultative wet or obligate wetland tree species will be planted in wetlands. Native trees will also be planted in upland areas adjacent to wetland restoration areas where native tree density and biodiversity are low. At this time, it is expected that approximately 12,000 trees will be planted within the restoration site. However, it will not be possible to finalize the planting protocol until thinning has been completed and site conditions are reassessed. Therefore, the Plan will include a description of the general framework that will be used to make planting decisions, such as the factors to be considered when choosing the species, size, location, and density of planting units.

Tree species currently being considered for planting are:

Species Name	Common Name
<i>Magnolia virginiana var. australis</i>	Sweetbay Magnolia
<i>Persea palustris</i>	Swamp Bay
<i>Taxodium spp.</i>	Cypress
<i>Nyssa spp.</i>	Tupelo
<i>Fraxinus spp.</i>	Ash
<i>Ilex cassine</i>	Dahoon Holly
<i>Quercus lyrata</i>	Overcup Oak
<i>Gordonia lasianthus</i>	Bay Loblolly
<i>Liquidambar styraciflua</i>	Sweetgum
<i>Platanus occidentalis</i>	Sycamore
<i>Quercus spp.</i>	Oaks
<i>Ulmus spp.</i>	Elm

The Plan will include a few specific, measurable, and time-bound goals for the project. Project goals will be directly related to restoration tasks, including treatment of invasive species and survival of planted seedlings. For example, goals may be that 1 year after planting: 1) less than 10% cover by invasive plants, 2) at least 80% survival of tree seedlings within each planted area, and 3) at least 75% survival of tree species planted in each area. Five years after planting, goals may be to have 1) less than 5% invasive plant cover, 2) at least 70% survival of tree seedlings planted within each area, and 3) at least 50% survival of tree species planted in each area. Project goals will be used to guide the monitoring protocols for the project.

4.0 REGULATORY AUTHORIZATION(S)

Terracon will schedule and facilitate a meeting with the City and SJRWMD, to discuss the restoration project. One of the goals of this meeting will be to determine which, if any, permits and / or permit exemption verifications are needed. Another goal will be to get concurrence on the Plan. Therefore, prior to this meeting, Terracon will submit the Plan to the City, and SJRWMD for review. Terracon will revise the Plan, as needed, to address any feedback received from the City, and / or SJRWMD. If a State individual permit is required, Terracon will prepare and submit all necessary application forms and supporting materials. This task does not include coordination or permitting with USACE, as it is presumed since this project is part of an overall permitted Super Fund Site, no additional Federal permitting will be required.

Proposal for Wetland Restoration Services

COJ McGirt's Creek Restoration ■ Duval County, Florida
January 10, 2024 ■ Terracon Proposal No. PEQ227371



5.0 RESTORATION AND ENHANCEMENT

Ecological restoration of wetland and adjacent uplands will be done using a phased approach.

Phase A – Initial Treatment of Invasive Plants

Terracon will complete a three-day field effort to treat invasive plant species within restoration project area(s) using mechanical means and / or application of herbicides. The primary focus of this field effort will be on treating invasive species categorized as Tier 1 and Tier 2 by the Florida Invasive Species Council. Information on the presence, abundance, and treatment of invasive species will be recorded and reported using EddMaps (or other City-approved spatial mapping software, e.g., ArcGIS).

Phase B – Thinning Planted Pine Trees

Thinning of planted pines is not part of this Scope of Work but is included here for reference. The contractor will be notified when pine thinning has been completed and when the next phase of restoration work can proceed.

Phase C – Reassessment of Site and Site Preparation for Restoration

- *C1: Reassessment of site conditions:* Terracon will visually inspect the restoration site to identify any issues in need of remediation or potential opportunities for enhancement. The information gained from this site inspection will be used to plan site preparation work and to finalize the planting plan.
- *C2: Site preparation¹* - exact tasks are currently undefined. Activities may include but are not limited to:
 - Removal of excessive debris from thinning operations
 - Earthwork to improve hydrology or other site conditions
 - Additional treatment(s) of invasive plants
 - Removal of nuisance animals
 - Installation of barriers to restrict unauthorized access

Phase D – Planting Native Tree Species

- *D1: Finalization of the planting plan:* Terracon will finalize the planting plan based on the condition of the site following pine thinning and site preparation. The planting plan will include a brief description of the species, size, position, and density of tree seedlings to be installed within each planting area. Figures (maps and diagrams) will also be provided to illustrate the planting plan in sufficient detail to guide planting activities. The planting plan will define planting areas, which will be differentiated based on their location within the restoration site and / or site conditions (e.g., soil moisture, elevation, existing tree canopy). Planting areas defined in the planting plan will be used to guide both planting and monitoring activities.
- *D2: Sourcing, supplying, and delivering tree seedlings:* this task will be handled by the City but is included here for reference.
- *D3: Planting tree seedlings in accordance with planting plan:* this task will be handled by the City but is included here for reference.

¹ At this time, the City is unable to quantify the exact amount of work required to complete this task. In your proposal, please include the costs for 120 hours of work by technicians / crew, 40 hours of work by crew team leaders / supervisors, and 10 hours of work by a project manager. The contractor will be paid for actual hours worked. The cost of equipment and materials will be calculated once activities are defined; changes in project cost will be handled via a contract modification.

Proposal for Wetland Restoration Services

COJ McGirt's Creek Restoration ■ Duval County, Florida
January 10, 2024 ■ Terracon Proposal No. PEQ227371



6.0 MONITORING AND ADAPTIVE MANAGEMENT

During each phase of restoration and during each monitoring event, Terracon will take photographs of the restoration site at a series of permanent photo stations. A maximum of 10 permanent photo stations will be established across the restoration site, and the location of these will be coordinated with the City. These photo stations should be marked (using pvc pipes, metal stakes, or similar means and methods) to ensure the angle and height of photos is consistent over time.

During the planting phase of restoration, Terracon will oversee operations to ensure work is completed in compliance with the planting plan. Terracon will notify the City of any deviations from the final planting plan (e.g., number or species of seedlings planted). Terracon will also notify the City of any issues with the quality of seedlings, problematic planting techniques, changes in site conditions, and any other notable observations.

After planting is completed, Terracon will monitor the seedlings over time and will visually assess site conditions. The purpose of monitoring will be to determine if project goals are achieved and to identify the need for potential adaptive management actions to achieve project goals. The restoration site will be monitored 8 times over a 5-year period.

The first monitoring event will be completed immediately after planting is completed (as soon as possible, but no later than 1-month). During this initial survey event, Terracon will document that restoration activities were completed in accordance with the Plan. A map of the planted areas will be provided, showing where different species of tree seedlings were planted and the spacing or density at which these seedlings were planted. Drawings need not include individual seedlings but should be sufficiently detailed to document any deviations from the planting plan and to guide future monitoring events.

The next two monitoring events will be completed three months and six months after the initial survey to document any immediate issues to expedite corrective action, if necessary. Thereafter, the project will be monitored annually during the growing season at the same time each year for 5 years. Monitoring protocols will be consistent across all surveys to allow for comparisons over time. During each monitoring event, Terracon will monitor a representative subsample (i.e., 10% of tree seedlings of each species within each planted area) over time. The seedlings to be monitored will be randomly chosen and will be marked with a unique identifier (e.g., metal tree tag). During each monitoring event, selected seedlings will be visually assessed and reported as either alive or dead. The results of these visual assessments will be reported as percentage of surviving seedlings by species per planted area. During each monitoring event, Terracon will also inspect the restoration site for invasive plants and will report observations (i.e., species and aerial cover) using EddMaps. During each monitoring event, Terracon will document any notable observations, such as changes in site conditions that may impact the success of the restoration project (e.g., evidence of disturbances like disease, storm damage, or nuisance animals).

Terracon will use monitoring results to make recommendations for adaptive management. For example, if monitoring data indicates an abundance of invasive species in an area where planting success is low, Terracon may recommend removal of invasive species and planting additional native trees. Alternatively, if seedling mortality is observed for only one of the tree species, Terracon may recommend replanting another tree species. If the City decides to move forward with the recommended adaptive management work, then the City may choose to execute a change-order to this scope of work or may choose to complete this work under a separate contract.

Proposal for Wetland Restoration Services

COJ McGirt's Creek Restoration ■ Duval County, Florida
January 10, 2024 ■ Terracon Proposal No. PEQ227371



7.0 DELIVERABLES AND REPORTS

All deliverables will be provided electronically to both the City and USFWS. Terracon will provide all data via a secure data sharing website and / or on external hard drives, as directed by the City. Terracon will be available (via email and / or virtual meetings) to answer questions about the deliverables.

Several deliverables will be prepared and provided prior to the initiation of restoration work:

- The TEAM shall submit a **Site Assessment Summary**, including a concise description of the methods and results of the Site Assessment (Task 1) as well as a few figures and representative photographs to illustrate the key findings of the Site Assessment. A georeferenced map (pdf) and ArcGIS data files shall be submitted concurrent with the Site Assessment Summary with boundaries of each habitat type and wetland areas within the restoration site.
- The TEAM shall submit the **Restoration Implementation Plan** (Task 2), including information described above. This document should be as concise as possible, referencing the existing restoration plan and copying information from this Scope of Work and the Site Assessment Summary, as needed.
- The TEAM shall submit any additional documents prepared for the SJRWMD.

Terracon will also prepare deliverables to verify that restoration tasks are completed as described in this Scope of Work and the Plan:

- **Photographs:** Terracon will take photographs of the restoration site during each phase of restoration and during each monitoring event, and Terracon will submit these to the City to document the restoration process.
- **Conditions following site preparation:** If any earthwork was completed as part of the restoration site preparation work prior to planting, Terracon shall provide topographic data for the site and a map showing predicted hydrological conditions (e.g., permanently flooded, seasonally flooded, rarely flooded) to help guide planting decisions.
- **Monitoring results:** Within 30 days of completing each monitoring event, Terracon will check the monitoring data for accuracy and will submit it to the City as Excel files in standard, stacked-data, spreadsheet format. Monitoring results will be presented using a few figures and tables documenting findings that are directly relevant to project goals; figures should be able to be interpreted quickly and easily to assess whether project goals are being met. For example, the monitoring results deliverable should include a figure (or series of figures) showing the percentage of seedlings for each tree species alive in each planted area during each monitoring event. The deliverable should also include a table listing the species of invasive plants observed in the restoration area with their relative abundance. Terracon will also provide a brief narrative summary (no more than 1 page) of key findings and notable observations. As needed, Terracon will provide recommendations for adaptive management.

8.0 ADDITIONAL SERVICES NOT INCLUDED

Should it be necessary to expand our services beyond those outlined in this proposal, we will notify you and send a supplemental proposal stating the additional services and fee. We will not proceed without your authorization.

9.0 SCOPE AND REPORT LIMITATIONS

Client shall secure all necessary site related approvals, permits, licenses, and consents necessary to commence and complete the Services and will execute any necessary site access agreement. Consultant will be responsible for supervision and site safety measures for its own employees but shall not be

Proposal for Wetland Restoration Services

COJ McGirt's Creek Restoration ■ Duval County, Florida
January 10, 2024 ■ Terracon Proposal No. PEQ227371



responsible for the supervision or health and safety precautions for any third parties, including Client's contractors, subcontractors, or other parties present at the site. In addition, Consultant retains the right to stop work without penalty at any time Consultant believes it is in the best interests of Consultant's employees or subcontractors to do so in order to reduce the risk of exposure to the coronavirus. Client agrees it will respond quickly to all requests for information made by Consultant related to Consultant's pre-task planning and risk assessment processes. Client acknowledges its responsibility for notifying Consultant of any circumstances that present a risk of exposure to the coronavirus or individuals who have tested positive for COVID-19 or are self-quarantining due to exhibiting symptoms associated with the coronavirus.

The findings and conclusions presented in the final report will be based on the site's current utilization, the anticipated future use of the site, if provided to Terracon, and the information collected as discussed in this proposal. Please note that we do not warrant database or third-party information (such as from interviewees) or regulatory agency information used in the compilation of plans or reports. No warranties, express or implied, are intended or made.

10.0 SCHEDULE

Terracon is prepared to begin upon receipt of written notice to proceed (NTP). It is anticipated that the delineation will be completed within 10 business days of NTP, weather dependent. The updated restoration plan will be provided within 30 business days of the completion of field work.

11.0 COMPENSATION

Task	Fees
Site Visit	\$5,807.19
Wetland Restoration Plan	\$9,584.36
Regulatory Authorization(s) <ul style="list-style-type: none">• Agency Coordination• SJRWMD Permit, if needed	\$3,401.12 (Ag.Coor.\$760.15) (Permit \$2,640.97)
Restoration and Enhancement	\$16,352.12
Monitoring and Adaptive Management	\$34,109.00 (\$6,821.80/year)
Deliverables and Reports	\$8,697.75
TOTAL	\$77,951.54

The project will be invoiced monthly. Payments on invoices will be due in full within 30 days from the date of the invoice.

12.0 OUR COMMITMENT TO SAFETY

Safety is one of Terracon's core values and our commitment to an Incident and Injury-Free® philosophy is one of the pillars of our current Strategic Plan. Incident and Injury-Free (IIF) is about care and concern for our people. It is our personal and organizational commitment at all levels of the company to everyone

Proposal for Wetland Restoration Services

COJ McGirt's Creek Restoration ■ Duval County, Florida

January 10, 2024 ■ Terracon Proposal No. PEQ227371



going home safe to their family every day. It is where safety is held as a core value as well as an operational priority. Working safely is an inseparable part of working correctly, just as much as other operational priorities, in particular quality, profitability and schedule. IIF is our commitment to our people, who we value for who they are and what they do. We strive to build health and safety into all aspects of our business and into the thinking of our employees.

DATE: 10-Jan-24
 CLIENT: City of Jacksonville
 PROJECT: McGirl's Creek Restoration

	Prj manager HRS	Group Manager HRS	Sen Scientist HRS	Pro Scientist Hours	Drafter/CADD HRS	Archeologis: HRS	Clerical HRS	TOTAL HRS
a. Final Design								
	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0
Subtotal Hours	0	0	0	0	0	0	0	0
b. Site Assessment								
Site Assessment	0	7	32	32	0	0	2	73
Restoration Plan	4	32	32	24	4	0	4	100
Regulatory Permitting	0	8	12	12	4	0	4	40
Restoration and Enhancement	4	40	40	120	4	0	4	212
Monitoring and Adaptive Management	10	40	160	160	20	0	20	410
Deliverables and Reports	4	24	24	40	4	0	4	100
	0	0	0	0	0	0	0	0
Subtotal Hours	22	151	300	388	36	0	38	935
c. Project Submittals								
			No. Of Sheets					
	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0
Subtotal Hours	0	0	0	0	0	0	0	0
Total Hours	22	151	300	388	36	0	38	935
Hourly Rate	\$185.44	\$121.31	\$95.02	\$52.47	\$104.09	\$132.21	\$61.10	
Total Labor Dollars	\$4,079.75	\$18,318.20	\$28,505.51	\$20,358.61	\$3,747.15	\$0.00	\$2,321.72	\$77,330.94
d. REIMBURSABLE EXPENSES (Not to Exceed)								
	Unit	\$/Unit	Quantity	Cost				
24" x 36" Black/White plans	ea.	\$0.14	0	\$0.00				
11 X 17 Copies	ea.	\$0.30	0	\$0.00				
8.5" x 11" Copies	ea.	\$0.15	0	\$0.00				
Mileage	mi.	\$0.58	1070	\$620.60				
Postage	mo.	\$10.00	0	\$0.00				
Courier Service	mo.	\$18.00	0	\$0.00				
				<u>\$620.60</u>				
				Total ESI Amount				\$77,951.54

**CONTRACT FEE SUMMARY FOR ENGINEERING DIVISION
CITY OF JACKSONVILLE, FLORIDA**

PART ONE - GENERAL

1. PROJECT McGirt's Creek Restoration	2. PROPOSAL NUMBER PEQ227371
3. CONSULTANT Terracon Consultants, Inc.	4. DATE OF PROPOSAL 1/10/2024

PART TWO - LABOR RELATED COSTS

5. DIRECT LABOR	HOURLY RATE	ESTIMATED HOURS	ESTIMATED COST	TOTAL
Principal or Project Manager	\$ 62.98	22	\$ 1,385.56	
Group Manager	\$ 41.20	151	\$ 6,221.20	
Senior Scientist	\$ 32.27	300	\$ 9,681.00	
Project Scientist	\$ 17.82	388	\$ 6,914.16	
Drafter/CADD Operator	\$ 35.35	36	\$ 1,272.60	
Archeologist	\$ 44.90	0	\$ 12.00	
Clerical	\$ 20.75	38	\$ 788.50	
TOTAL DIRECT LABOR				\$ 26,275.02
6. OVERHEAD (COMBINE FRINGE BENEFIT AND ADMINISTRATIVE) OVERHEAD RATE - 167.68% X TOTAL DIRECT LABOR				\$ 44,057.95
7. SUBTOTAL - LABOR + OVERHEAD (ITEMS 5 & 6)				\$ 70,332.97
8. PROFIT - LABOR RELATED COSTS (ITEM 7) X 10%				\$ 7,033.30

PART THREE - OTHER COSTS

9. MISCELLANEOUS DIRECT COSTS			
24" x 36" Black/White plans		\$0.00	
11 X 17 Copies		\$0.00	
8.5" x 11" Copies		\$0.00	
Postage		\$0.00	
Courier Service		\$0.00	
MISCELLANEOUS DIRECT COSTS SUBTOTAL			\$0.00

10. SUBCONTRACTS - LUMP SUM			
SUB-CONTRACT SUBTOTAL			\$0.00
TOTAL LUMP SUM AMOUNT (ITEMS 5,6,8,9 &10)			\$ 77,366.27

11. REIMBURSABLE COSTS (LIMITING AMOUNT)			
TRAVEL			\$620.60
OTHER (SPECIFY)			
SUBTOTAL REIMBURSABLE			\$ 620.60

PART FOUR - SUMMARY

TOTAL AMOUNT OF CONTRACT (LUMP SUM PLUS REIMBURSABLE) ITEMS 5,6,8,9,10,&11			\$ 77,986.87
--	--	--	---------------------

Greenway Lawn and Landscape
4930 Spring Park Rd
Jacksonville, FL 32207 US
jdgreenwaylawns@gmail.com



Estimate

ADDRESS

City Of Jacksonville
609 St Johns Bluff Rd
Jacksonville, Florida 32225

ESTIMATE # 8373

DATE 09/12/2023

ACTIVITY	QTY	RATE	AMOUNT
----------	-----	------	--------

Landscape 2

1

182,750.00

182,750.00

Quote for 1 gallon containers 12,000 of the species below, installed. No warranty, watering, mulch needed.

Magnolia virginiana var. australis Sweet bay
Magnolia
Persea palustris Swamp bay
Taxodium spp. Cypress
Nyssa spp. Tupelo
Fraxinus spp. Ash
Ilex cassine Dahoon Holly
Quercus lyrata Overcup oak
Gordonia lasianthus Bay loblolly
Liquidambar styraciflua Sweetgum
Platanus occidentalis Sycamore
Quercus spp. Oaks
Ulmus spp. Elm

This is a not to exceed quote

There is a possibility that substitutions of plant material may be required due to availability

Greenway is not responsible for any after care once installation is complete

Site will be fully prepped prior to our installation this is being out sourced

Install 18" bamboo stakes to help stabilize saplings

TOTAL

\$182,750.00

Accepted By

Accepted Date



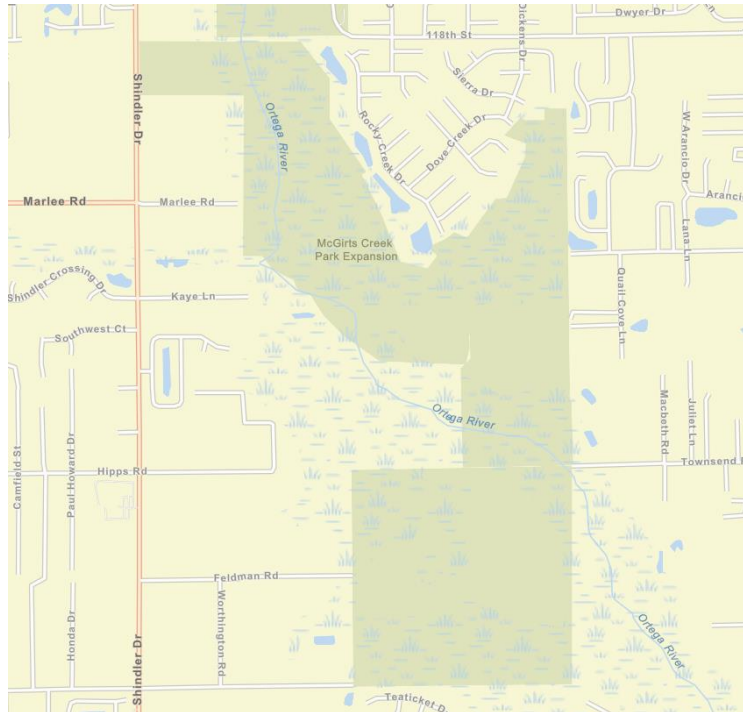
ONE CITY. ONE JACKSONVILLE

McGirt's Creek Preserve Restoration **Level 2 Tree Planting**

The McGirts Creek Park is owned, managed, and protected by the City of Jacksonville. McGirts Creek Park is a 500-acre nature preserve that was acquired as part of the Preservation Project Jacksonville, whose purpose is to restore, enhance, and protect environmentally sensitive areas throughout the City of Jacksonville (Duval County). The area is located in a floodplain along both sides of McGirts Creek.

Other tributaries enter McGirts Creek along this section, forming the headwaters of the Ortega River.

The City proposes to restore at least 50 acres of wetlands within the Dunnam Property in the southern part of McGirts Creek Park to the enhance ecological services provided by wetland habitats along



McGirts Creek. The Dunnam Property was chosen for restoration because it can be easily accessed and is bordered by undeveloped wetland forest. Restoration of this area would create more wildlife habitat and provide a wildlife corridor for moving between the undisturbed forested wetlands that border the Dunnam Property. The restoration project is also expected to improve water quality of the Ortega River. The University of North Florida (UNF) conducted a habitat and restoration assessment to develop restoration recommendations. The UNF habitat assessment study indicated that the McGirts Creek Park area and flood plain contained hydric soils and was most likely a mixed hardwood-pine forest before its conversion to a slash pine plantation. This assessment and other site visits by the Service and City of Jacksonville personnel to McGirts Creek indicated that the wetland floodplain could be enhanced by the removal of planted pine trees and invasive species, and by re-planting native species. UNF concluded that the restoration of McGirts Creek Park should be relatively simple and would increase habitat services provided by McGirts Creek and its floodplain.

Proposed restoration activities include the removal of invasive plant species, thinning of slash pine to 10 to 60 trees per acre, and re-planting with a mix of flood-tolerant native species. Thinning will be completed in accordance with a Scope of Work that was developed by the Florida Division of Forestry. This Scope of Work includes the removal of all diseased pines and all sand pines. All timbering will be



ONE CITY. ONE JACKSONVILLE

done in accordance with Best Management Practices to minimize potential impacts to water resources, including water quality and wetland habitats. However, some road improvements and / or the construction of temporary roadways may be necessary to provide access for thinning and restoration activities. Additionally, furrows will be graded to create more natural topography. Harvested wetland areas will be reforested with native, flood-tolerant hardwood species. Tree species may include loblolly bay (*Gordonia lasianthus*), sweetbay (*Magnolia virginiana*), swamp bay (*Persea palustris*), Pond Pine (*P. serotina*), pond cypress (*Taxodium ascendens*) and other flood-tolerant species appropriate to the wetland system. Following restoration, the survival of planted trees will be monitored. The presence of invasive plants will also be monitored, and follow-up treatments will be conducted, as needed. Once the restoration project is completed, the McGirts Creek Dunnam Property will be opened to the public for passive recreation and education activities. Accordingly, some clear cutting and construction may be undertaken in the park near but outside of the restoration area(s) to create trailheads, parking, trails, and bridges. Such developments will be designed and constructed in a manner that minimizes impacts to natural resources and wildlife.

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 use this form.

Requirements to utilize this program:

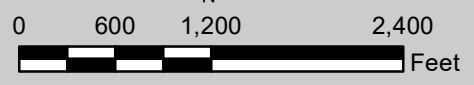
1. The location of the proposed planting must be:
 - a. In Duval County; and
 - b. On public property, such as a road right-of-way; a local, state or national park; Duval County School Board property, etc.
2. The number of trees requested may not exceed 200.

Complete the following information below:

1. Name/title of project: McGirts Creek Preserve Restoration
2. Legal name of organization/citizen making suggestion:
Jennifer Hinton, Preserve and Waterfront Manager, COJ Parks
3. Organization or citizen mailing address:
214 N. Hogan Street, Jacksonville, FL
4. Contact phone number: 904-255-7947
Contact e-mail: jmhinton@coj.net
5. Location/address of planting project:
McGirts Creek Preserve, Feldman Drive, RE# 016058 0000
6. Has project information been shared with the Council Member of the district? No
7. Rationale for project (include information about the public benefit of the project):
Planting native trees will improve the ecological value of the preserve park for wildlife. The preserve park will be open to the public for recreation and environmental education.
8. Description of project:
The City will restore forested wetlands at the McGirts Creek preserve park by planting native tree seedlings. This project will enhance the preserve park, providing a unique recreational experience for park visitors and providing quality habitat for local wildlife.

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>.

McGirts Creek Preserve



Lew Brantley
Park

Shindler Drive

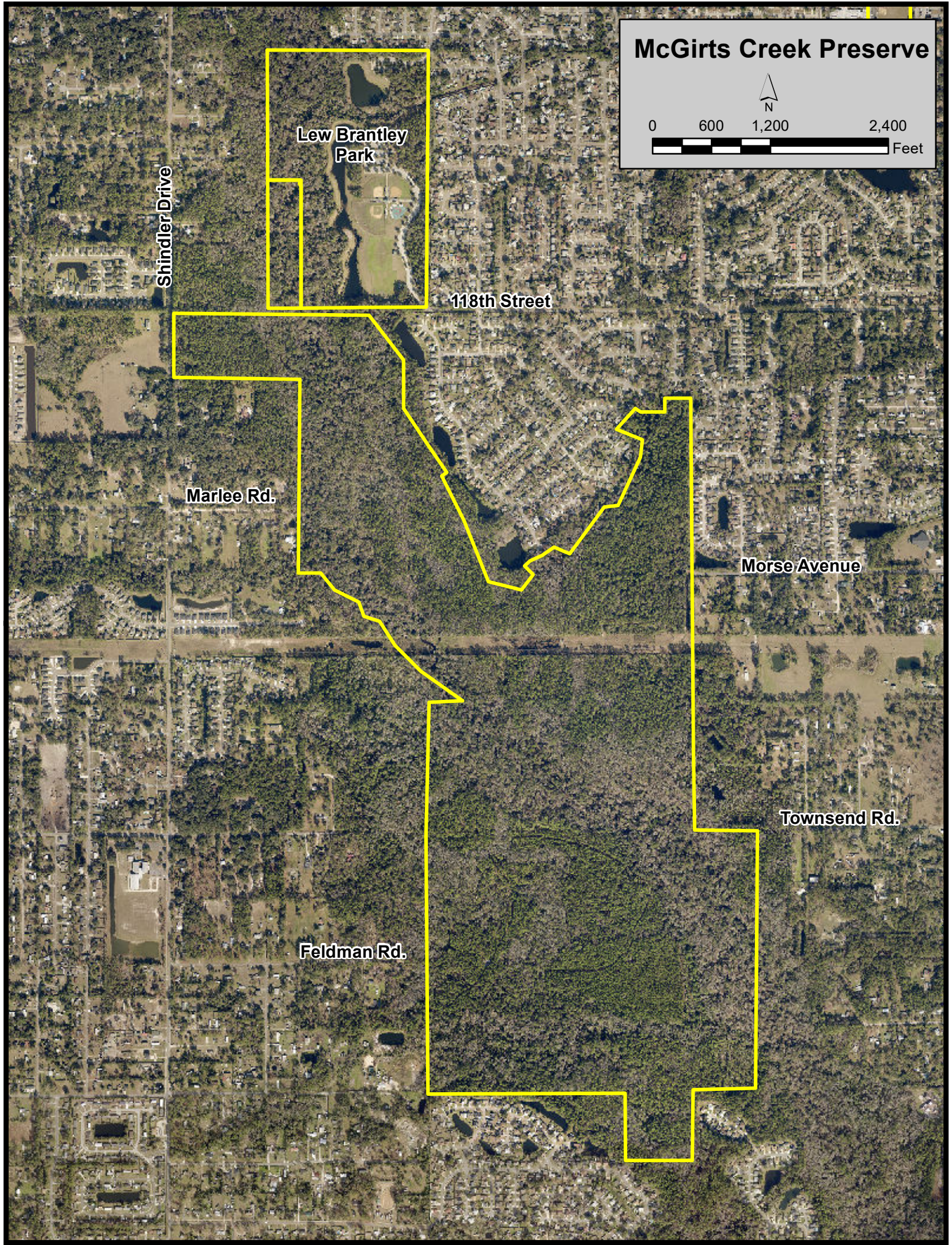
118th Street

Marlee Rd.

Morse Avenue

Townsend Rd.

Feldman Rd.





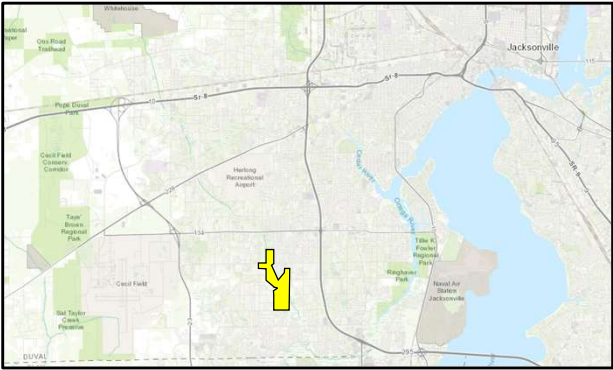

McGirts Creek Preserve Restoration Project

Dr. Jenny Hinton
Tree Commission Meeting
January 2024

1

McGirts Creek Preserve

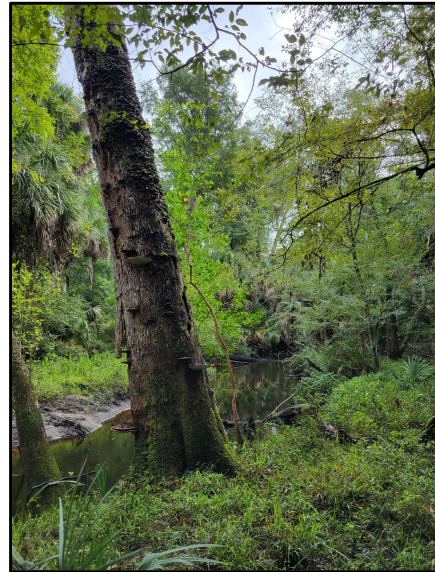
- 500-acre nature preserve
- Located on McGirts Creek
- Previously planted with slash pine

2

Project Overview

- 50+ acres will be restored to increase biodiversity and ecosystem services.
- Invasive species will be removed.
- Slash pines will be thinned.
- Native tree seedlings will be planted.
- After restoration, preserve will be open to public for passive recreation.



3

Project Team – Roles and Responsibilities

- **City of Jacksonville's PRCS:** project management
- **Florida Forestry Service:** management of timber contract and oversight of logging for compliance with BMPs to protect natural resources
- **Environmental Consultants:**
 - Site assessment and wetland delineation
 - Restoration Implementation Plan
 - Regulatory coordination / authorization
 - Site preparation: invasive plant removal, raking, and grading
 - Development of planting plan and oversight of planting activities
 - Monitoring and reporting for adaptive management

4

Native Tree Species to be Planted

Species Name	Common Name	Classification
<i>Magnolia virginiana var. australis</i>	Sweetbay Magnolia	Obl.
<i>Persea palustris</i>	Swamp bay	Obl.
<i>Taxodium spp.</i>	Cypress	Obl.
<i>Nyssa spp.</i>	Tupelo	Obl.
<i>Fraxinus spp.</i>	Ash	Obl.
<i>Ilex cassine</i>	Dahoon Holly	Obl.
<i>Quercus lyrata</i>	Overcup oak	Obl.
<i>Gordonia lasianthus</i>	Bay loblolly	Fac.
<i>Liquidambar styraciflua</i>	Sweetgum	Fac.
<i>Platanus occidentalis</i>	Sycamore	Fac.
<i>Quercus spp.</i>	Oaks	Fac.
<i>Ulmus spp.</i>	Elm	Fac.

5

Project Budget

Timber sale revenue will fund services provided by FFS

Funding provided by FWS: \$62k

Cost to plant 12k 1-gallon tree seedlings ~\$183k

Cost for environmental consultant ~\$114k

10% contingency ~ \$30k

Total project cost: \$327k

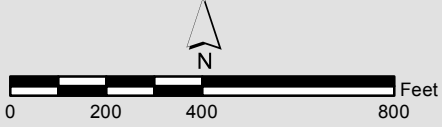
Funding needed: \$265k

6





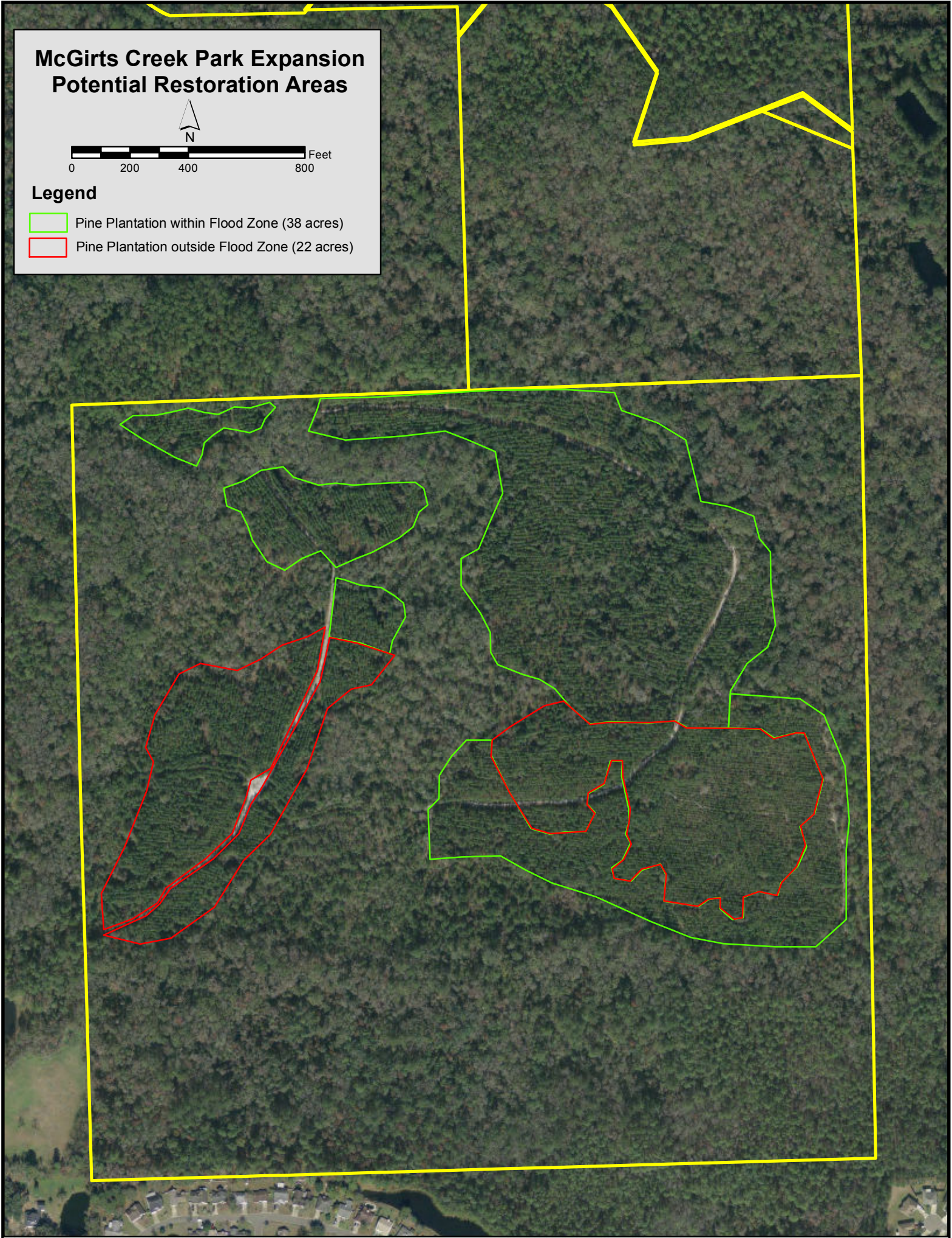
7

McGirts Creek Park Expansion Potential Restoration Areas



Legend

-  Pine Plantation within Flood Zone (38 acres)
-  Pine Plantation outside Flood Zone (22 acres)



Southern S-Line Enhancement – Level 2 Tree Planting

Transforming Urban Landscapes: Enhancing the Southern S-Line Trail

In an endeavor to revitalize the southern stretch of the S-Line Trail, a transformative tree planting project is being proposed. This initiative involves the strategic planting of approximately 140 native trees, marking a pivotal step towards not just beautifying the landscape but fundamentally enhancing the fabric of the urban environment. Spanning from Myrtle Ave. to Boulevard St., this plan aligns seamlessly with the City's resiliency mission while fostering a multitude of benefits that will significantly impact both the environment and the well-being of its residents.

Environmental Impact:

Carbon Sequestration:

The introduction of approximately 140 trees along the S-Line Trail represents a substantial contribution to the city's carbon sequestration efforts. These trees, through the process of photosynthesis, will actively absorb carbon dioxide from the atmosphere, serving as vital carbon sinks and contributing significantly to mitigating climate change.

Heat Island Effect Mitigation:

One of the prevalent challenges in urban areas is the heat island effect, which leads to elevated temperatures. The strategic placement of trees will provide crucial shade and help moderate temperatures, thereby mitigating the heat island effect and creating more comfortable outdoor spaces for residents.

Stormwater Runoff Reduction:

The addition of trees along the trail will aid in reducing stormwater runoff. Their root systems will act as natural filters, absorbing rainwater and minimizing runoff, subsequently decreasing the strain on drainage systems and mitigating the risk of flooding in the area.

Air Quality Improvement:

By filtering pollutants and releasing oxygen, these trees will significantly improve the air quality along the trail. This is instrumental in creating a healthier environment for residents and visitors, reducing respiratory problems, and enhancing overall well-being.

Habitat Creation and Biodiversity:

The introduction of a diverse range of trees will provide habitats for wildlife, fostering biodiversity within the urban landscape. A richer and more varied ecosystem will develop, making the urban forest more robust and resilient to diseases while supporting local fauna.

Southern S-Line Enhancement – Level 2 Tree Planting

Social and Health Benefits:

Physical Well-being Promotion:

The revitalization of the S-Line Trail with an abundance of trees will encourage physical activity among residents. The availability of green spaces and shaded areas will invite people to engage in outdoor activities like walking, jogging, and cycling, promoting a healthier lifestyle.

Mental Health and Community Well-being:

Access to green spaces and nature has a profound impact on mental health. The addition of trees along the trail will offer residents a serene environment, reducing stress levels, fostering relaxation, and promoting a sense of well-being. Furthermore, green spaces have been linked to reduced crime rates and decreased noise pollution, contributing to a safer and more peaceful community.

In essence, the undertaking to plant approximately 140 native trees along the southern portion of the S-Line embodies a visionary approach towards urban development. This initiative not only aims to enhance the aesthetics of the area but also signifies a commitment to sustainability, resilience, and the well-being of the city and its inhabitants. As these trees take root and flourish, they will serve as a testament to the profound impact that conscientious environmental planning can have on transforming urban spaces into vibrant, healthy, and sustainable communities.

The project can be viewed in the City of Jacksonville Tree Canopy Planner with the link below.

<https://pg-cloud.com/JacksonvilleFL/?scenario=Southern-S-Line>

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 use this form.

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.
2. The number of trees requested may not exceed 200.

Complete the following information below:

1. Name/title of project: Southern S-Line Enhancement Project
2. Legal name of organization/citizen making suggestion:
Groundwork Jacksonville, Inc.
3. Organization or citizen mailing address:
101 W. State Street Bld A, Rm 1003 Jacksonville, FL 32202
4. Contact phone number: 423-605-6858
Contact e-mail: garner@groundworkjacksonville.org
5. Location/address of planting project:
Southern portion of the S-Line (Myrtle Ave. to Boulevard St.)
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):
The enhancements will support the City's resiliency mission by sequestering carbon, reducing the heat island effect, reducing storm water runoff, and helping to filter pollutants. Also, green spaces help to promote physical well being and mental health for
8. Description of project:
The project will consist of planting 137 native trees and palms to enhance the southern portion of the S-Line from Myrtle Ave. to Boulevard St. An interactive map with the exact location and species for each tree has been provided, as well as a pie chart outlining the species distribution.

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>.

To Be Completed By City of Jacksonville/Public Works Staff Only

Level 2 - Community Organization Tree Planting Program Staff Checklist

Project is to be planted on Public Land

Total number of trees to be installed 139

Project Title:

Total number of trees to be removed N/A

Project is located in Duval County

Southern S-Line Enhancement Project

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 ' <u>Tree Commission Approved Tree Planting List</u> '.	✓
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.	✓
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.	✓

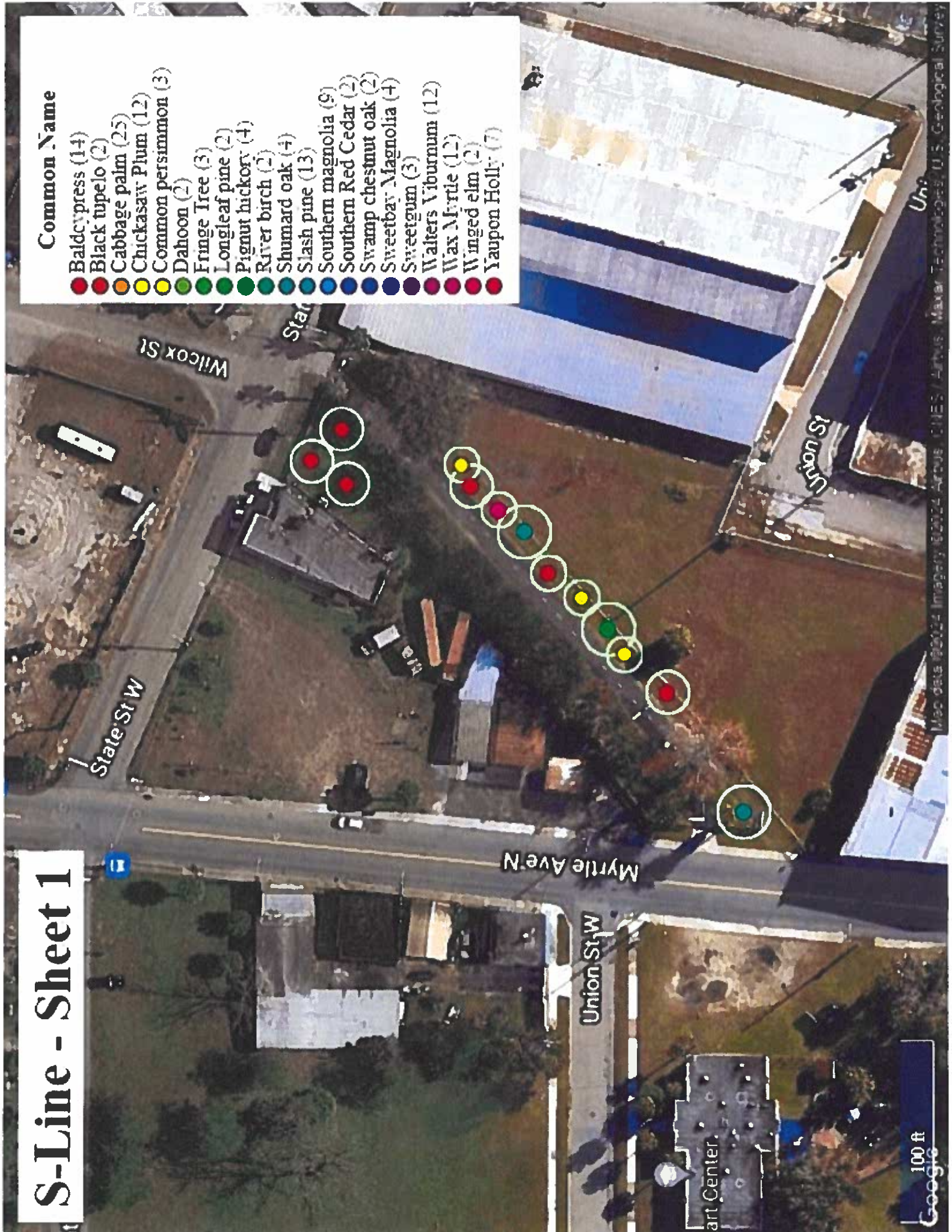
COMMENTS:

Southern S-Line Enhancement Project - LEVEL 2 TREE PLANTING

Description	Unit	Quantity	Unit Price*	Extended Price
<i>Prunus angustifolia</i> Chickasaw Plum 15 gal. 1.5" Cal. 5' Ht.	EA	12	\$350.00	\$4,200.00
<i>Diospyros virginiana</i> Common Persimmon 15 gal. 1.5" Cal. 5' Ht.	EA	3	\$350.00	\$1,050.00
<i>Quercus michauxii</i> Swamp Chestnut Oak 4" Cal., 14' Ht., 4' Spd., 100 G or 40" B&B	EA	2	\$1,800.00	\$3,600.00
<i>Quercus shumardii</i> Shumard Oak 4" Cal., 14' Ht., 4' Spd., 100 G or 40" B&B	EA	4	\$1,600.00	\$6,400.00
<i>Ulmus alata</i> Winged Elm 4" Cal., 14' Ht., 4' Spd., 100 G or 40" B&B	EA	2	\$1,750.00	\$3,500.00
<i>Pinus taeda</i> Slash Pine 4" Cal., 14' Ht., 8' Spd., 100 G or 40" B&B	EA	13	\$900.00	\$11,700.00
<i>Chionanthus virginicus</i> Fringetree Std. 2" Cal., 8' Ht., 4' Spd., 30 G or 24" B&B	EA	3	\$1,100.00	\$3,300.00
<i>Liquidambar styraciflua</i> Sweetgum 4" Cal., 14' Ht., 4' Spd., 100 G or 40" B&B	EA	3	\$1,200.00	\$3,600.00
<i>Betula nigra</i> 'Dura-Heat' River Birch Min. 3 Trunks, 12' Ht., 4' Spd., 45 G or 32" B&B	EA	2	\$1,000.00	\$2,000.00
<i>Sabal palmetto</i> Sabal Palm 16' Regenerated, 12" Cal., Clean trunk	EA	25	\$1,700.00	\$42,500.00
<i>Ilex cassine</i> 'Dahoon' Holly 3.5" Cal., 14' Ht., 6' Spd., 40" B&B	EA	2	\$1,500.00	\$3,000.00
<i>Nyssa sylvatica</i> Blackgum 4" Cal., 14' Ht., 8' Spd., 100 G or 40" B&B	EA	2	\$1,500.00	\$3,000.00
<i>Pinus palustris</i> Longleaf Pine 4" Cal., 14' Ht., 8' Spd., 100 G or 40" B&B	EA	2	\$800.00	\$1,600.00
<i>Toxodium distichum</i> Bald Cypress 4" Cal., 14' Ht., 8' Spd., 100 G or 40" B&B	EA	14	\$1,500.00	\$21,000.00
<i>Magnolia grandiflora</i> DD Blanchard Southern Magnolia 4" Cal., 12' Ht., 6' Spd., 100 G or 40" B&B	EA	9	\$1,750.00	\$15,750.00
<i>Carya</i> sp. Hickory 15 gal. 1.5" Cal. 5' Ht.	EA	4	\$500.00	\$2,000.00
<i>Juniperus silicicola</i> 'Brodie' Redcedar 3" Cal., 10' Ht., 4' Spd., 65 G or 36" B&B	EA	2	\$1,000.00	\$2,000.00
<i>Myrica cerifera</i> Waxmyrtle Min. 4 Trunks, 8' Ht., 6' Spd., 45 G or 32" B&B	EA	12	\$850.00	\$10,200.00
<i>Magnolia virginiana</i> Sweetbay Magnolia 30 Gal. 8-10' Ht.	EA	4	\$1,000.00	\$4,000.00
<i>Viburnum obovatum</i> Walters Viburnum 3Tks 6' Ht. 30 Gal.	EA	12	\$400.00	\$4,800.00
<i>Ilex vomitoria</i> Yaupon 'Pride of Houston' 3Tks 8' Ht. 45 Gal.	EA	7	\$700.00	\$4,900.00
Subtotal				\$154,100.00

*Unit prices based 1-year warranty/maintenance of plant material contract CP-0459-22

S-Line - Sheet 1

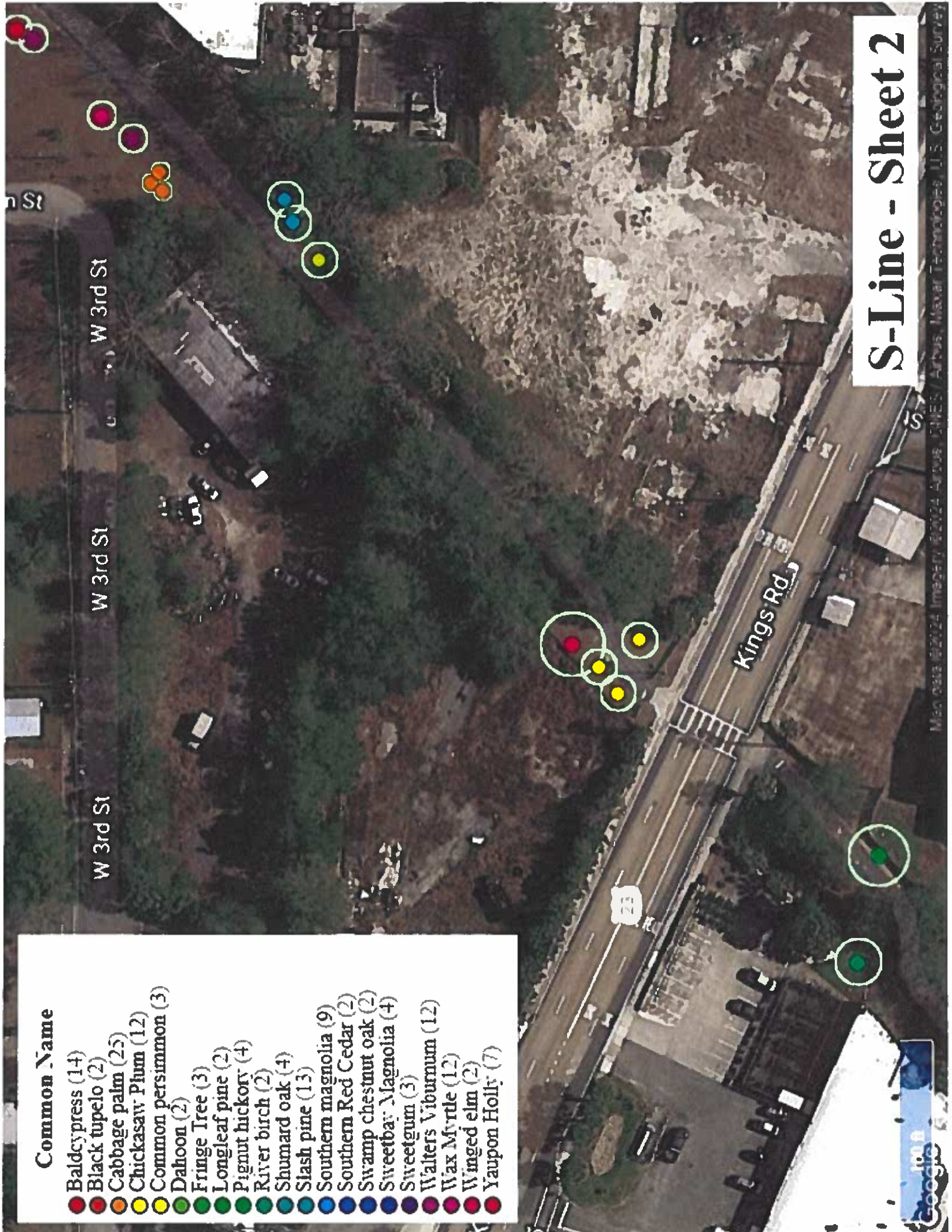


Common Name

- Baldcypress (14)
- Black tupelo (2)
- Cabbage palm (25)
- Chickasaw Plum (12)
- Common persimmon (3)
- Dahoon (2)
- Fringe Tree (3)
- Longleaf pine (2)
- Pignut hickory (4)
- River birch (2)
- Shumard oak (4)
- Slash pine (13)
- Southern magnolia (9)
- Southern Red Cedar (2)
- Swamp chestnut oak (2)
- Sweetbay Magnolia (4)
- Sweetgum (3)
- Walters Viburnum (12)
- Wax Myrtle (12)
- Winged elm (2)
- Yaupon Holly (7)

Common Name

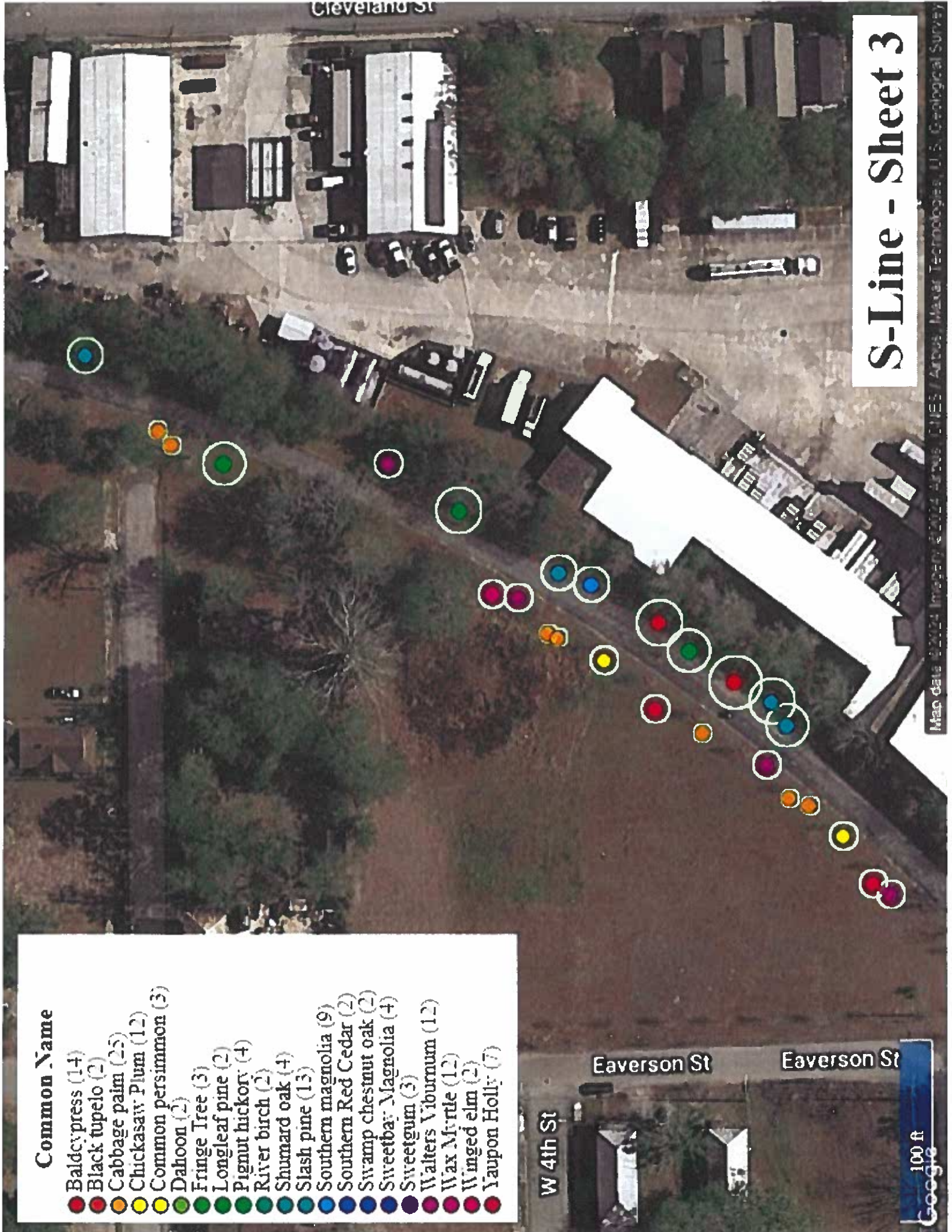
- Baldcypress (14)
- Black tupelo (2)
- Cabbage palm (25)
- Chickasaw Plum (12)
- Common persimmon (3)
- Dahoon (2)
- Fringe Tree (3)
- Longleaf pine (2)
- Pignut hickory (4)
- River birch (2)
- Shumard oak (4)
- Slash pine (13)
- Southern magnolia (9)
- Southern Red Cedar (2)
- Swamp chestnut oak (2)
- Sweetbay Magnolia (4)
- Sweetgum (3)
- Walters Viburnum (12)
- Wax Myrtle (12)
- Winged elm (2)
- Yaupon Holly (7)



S-Line - Sheet 2

Common Name

- Baldcypress (14)
- Black tupelo (2)
- Cabbage palm (25)
- Chickasaw Plum (12)
- Common persimmon (3)
- Dahoon (2)
- Fringe Tree (3)
- Longleaf pine (2)
- Pignut hickory (4)
- River birch (2)
- Shumard oak (4)
- Slash pine (13)
- Southern magnolia (9)
- Southern Red Cedar (2)
- Swamp chestnut oak (2)
- Sweetba: Magnolia (4)
- Sweetgum (3)
- Walters Viburnum (12)
- Wax Myrtle (12)
- Winged elm (2)
- Yaupon Holly (7)



S-Line - Sheet 3

S-Line - Sheet 4



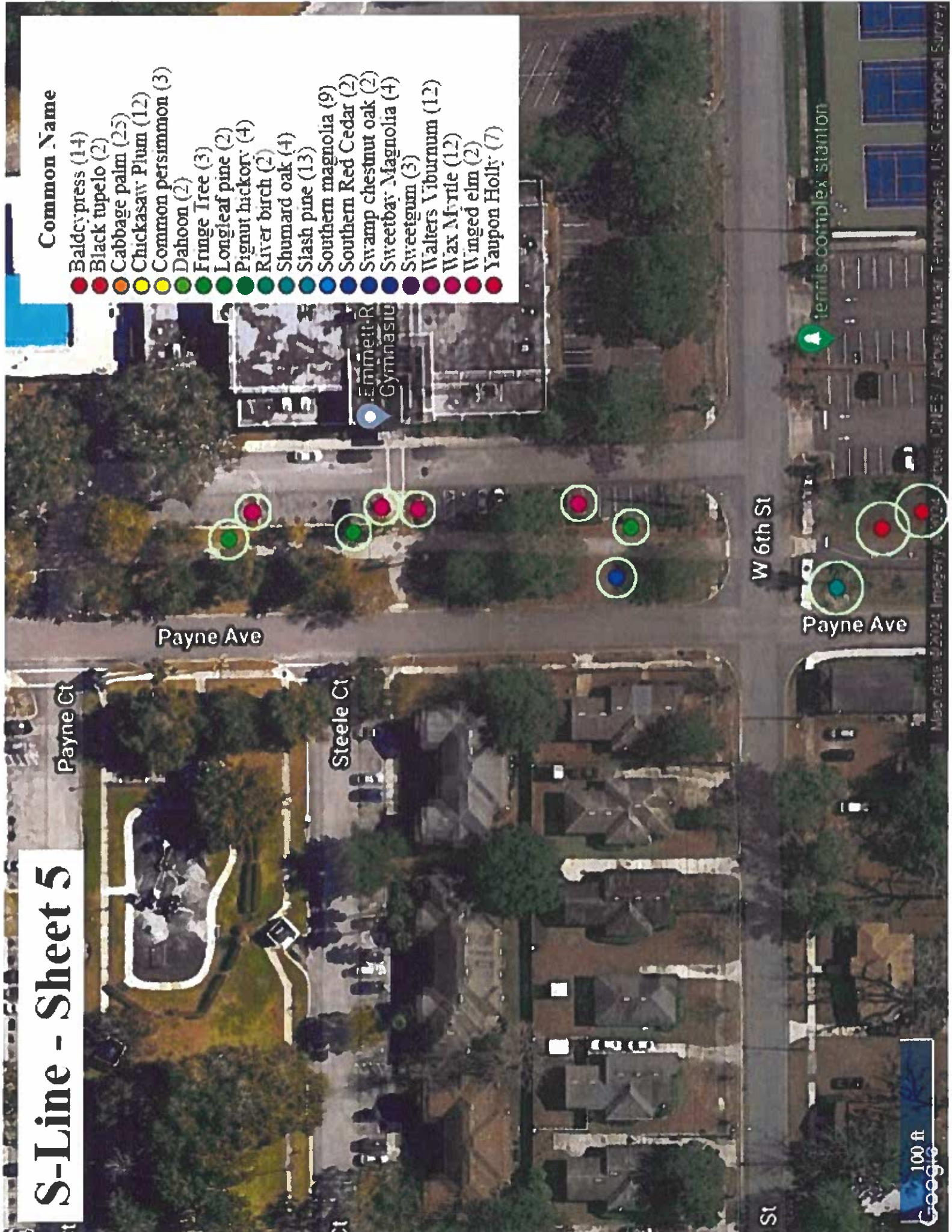
Common Name

- Baldcypress (14)
- Black tupelo (2)
- Cabbage palm (25)
- Chickasaw Plum (12)
- Common persimmon (3)
- Dahoon (2)
- Fringe Tree (3)
- Longleaf pine (2)
- Pignut hickory (4)
- River birch (2)
- Shumard oak (4)
- Slash pine (13)
- Southern magnolia (9)
- Southern Red Cedar (2)
- Swamp chestnut oak (2)
- Sweetbay Magnolia (4)
- Sweetgum (3)
- Walters Viburnum (12)
- Wax Myrtle (12)
- Winged elm (2)
- Yaupon Holly (7)

S-Line - Sheet 5

Common Name

- Baldcypress (14)
- Black tupelo (2)
- Cabbage palm (25)
- Chickasaw Plum (12)
- Common persimmon (3)
- Dahoon (2)
- Fringe Tree (3)
- Longleaf pine (2)
- Pignut hickory (4)
- River birch (2)
- Shumard oak (4)
- Slash pine (13)
- Southern magnolia (9)
- Southern Red Cedar (2)
- Swamp chestnut oak (2)
- Sweetbay Magnolia (4)
- Sweetgum (3)
- Walters Viburnum (12)
- Wax Myrtle (12)
- Winged elm (2)
- Yaupon Holly (7)



S-Line - Sheet 6

Common Name

- Baldcypress (14)
- Black tupelo (2)
- Cabbage palm (25)
- Chickasaw Plum (12)
- Common persimmon (3)
- Dahoon (2)
- Fringe Tree (3)
- Longleaf pine (2)
- Pignut hickory (4)
- River birch (2)
- Shumard oak (4)
- Slash pine (13)
- Southern magnolia (9)
- Southern Red Cedar (2)
- Swamp chestnut oak (2)
- Sweetbay Magnolia (4)
- Sweetgum (3)
- Walters Viburnum (12)
- Wax Myrtle (12)
- Winged elm (2)
- Yaupon Holly (7)



S-Line - Sheet 7

Common Name

- Baldcypress (14)
- Black tupelo (2)
- Cabbage palm (25)
- Chickasaw Plum (12)
- Common persimmon (3)
- Dahoon (2)
- Fringe Tree (3)
- Longleaf pine (2)
- Pignut hickory (4)
- River birch (2)
- Shumard oak (4)
- Slash pine (13)
- Southern magnolia (9)
- Southern Red Cedar (2)
- Swamp chestnut oak (2)
- Sweetbay Magnolia (4)
- Sweetgum (3)
- Walters Viburnum (12)
- Wax Myrtle (12)
- Winged elm (2)
- Yaupon Holly (7)



S-Line - Sheet 8

Common Name

- Baldcypress (14)
- Black tupelo (2)
- Cabbage palm (25)
- Chickasaw Plum (12)
- Common persimmon (3)
- Dahoon (2)
- Fringe Tree (3)
- Longleaf pine (2)
- Pignut hickory (4)
- River birch (2)
- Shumard oak (4)
- Slash pine (13)
- Southern magnolia (9)
- Southern Red Cedar (2)
- Swamp chestnut oak (2)
- Sweetbay Magnolia (4)
- Sweetgum (3)
- Walters Viburnum (12)
- Wax Myrtle (12)
- Winged elm (2)
- Yaupon Holly (7)



Common Name

- Baldcypress (14)
- Black tupelo (2)
- Cabbage palm (25)
- Chickasaw Plum (12)
- Common persimmon (3)
- Dahoon (2)
- Fringe Tree (3)
- Longleaf pine (2)
- Pignut hickory (4)
- River birch (2)
- Shumard oak (4)
- Slash pine (13)
- Southern magnolia (9)
- Southern Red Cedar (2)
- Swamp chestnut oak (2)
- Sweetbay Magnolia (4)
- Sweetgum (3)
- Walters Viburnum (12)
- Wax Myrtle (12)
- Winged elm (2)
- Yaupon Holly (7)



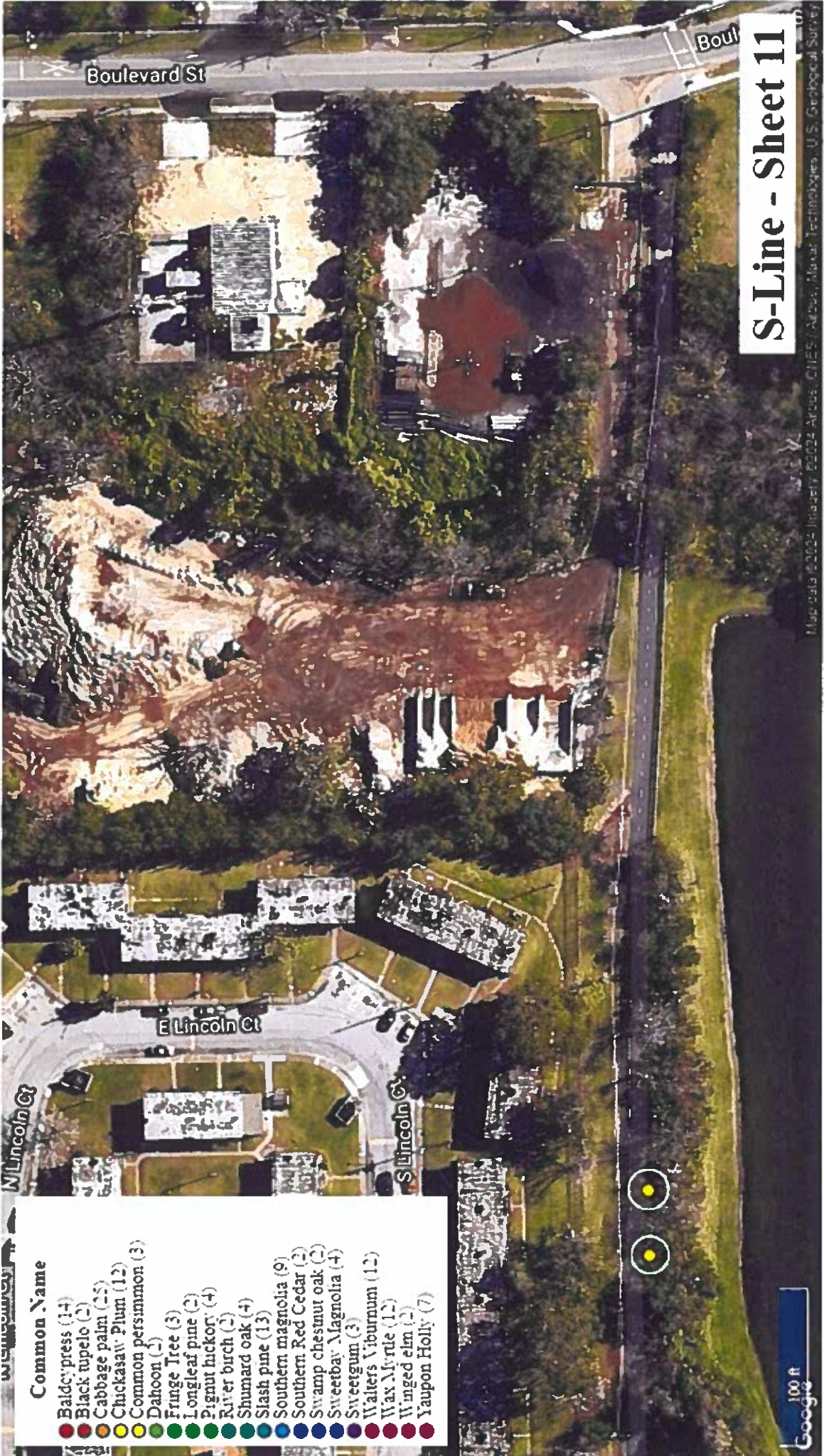
S-Line - Sheet 9

Common Name

- Baldcypress (14)
- Black tupelo (2)
- Cabbage palm (25)
- Chickasaw Plum (12)
- Common persimmon (3)
- Dahoon (2)
- Fringe Tree (3)
- Longleaf pine (2)
- Pigout hickory (4)
- River birch (2)
- Shumard oak (4)
- Slash pine (13)
- Southern magnolia (9)
- Southern Red Cedar (2)
- Swamp chestnut oak (2)
- Sweetbay Magnolia (4)
- Sweetgum (3)
- Walters Viburnum (12)
- Wax Myrtle (12)
- Winged elm (2)
- Yaupon Holly (7)



S-Line - Sheet 10



Boulevard St

Boul

S-Line - Sheet 11

- Common Name**
- Baldcypress (14)
 - Black tupelo (2)
 - Cabbage palm (25)
 - Chickasaw Plum (12)
 - Common persimmon (3)
 - Dahoon (2)
 - Fringe Tree (3)
 - Longleaf pine (2)
 - Pignut hickory (4)
 - River birch (2)
 - Shumard oak (4)
 - Slash pine (13)
 - Southern magnolia (9)
 - Southern Red Cedar (2)
 - Swamp chestnut oak (2)
 - Sweetbay Magnolia (4)
 - Sweetgum (3)
 - Walters Viburnum (12)
 - Wax Myrtle (12)
 - Winged elm (2)
 - Yaupon Holly (7)

N Lincoln Ct

E Lincoln Ct

S Lincoln Ct

100 ft
Google

Map data ©2005 Imagery ©2004 Aircos, CHES, Airbus, Maxar, Technologies, U.S. Geological Survey

City of Jacksonville
Tree Commission
Financials Combined
Balance Sheet
January 11, 2024

Cash	34,702,791.08	
-------------	---------------	--

Accounts Payable	297,410.99	
-------------------------	------------	--

Fund Balance		
Beginning Fund Balance	35,289,951.28	
YTD Gain\Loss	(889,776.79)	
Adjusted Fund Balance	34,400,174.49	

Available Balance Calculation

Cash	34,702,791.08	Bank Funds
Less:		
AP	297,410.99	Accounts Payable
Funds Available	9,840,482.76	Appropriated Funds by City Council
Encumbrances (Open POs)	4,615,982.57	Appropriated and Allocated
Sub-Total Adjustments	14,753,876.32	
Unappropriated/Unallocated	19,948,914.76	
Appropriated/Unallocated *	1,717,826.00	Better Jacksonville Plan **
Total Unallocated Funds	21,666,740.76	

* Better Jacksonville Funds are not in Ordinance or Charter Funds. Therefore, the Tree Commission cannot re-appropriate those funds.

** Better Jacksonville dollars are budgeted to See Activities/Projects Sheet

City of Jacksonville
Tree Commission
Financials Combined
Statement of Activity
January 11, 2024

	Actuals		Budget
	11-Jan	YTD	
Revenues			
Ordinance appropriation			530,506.00
Tree Mitigation Funds - Article 25	27,030.00	110,143.00	
Investment Pool Earnings	163,686.60	278,024.86	
Contributions From Private Sources	136,287.00	540,963.00	
Contribution-Loss Deductible	-	2,200.20	
Transfer from fund balance	-	-	
Total	<u>327,003.60</u>	<u>931,331.06</u>	<u>530,506.00</u>
Expenses			
Summarized expenses	1,206,528.46	1,821,107.85 *	16,694,800.00
Net			
	<u>(879,524.86)</u>	<u>(889,776.79)</u>	<u>(16,164,294.00)</u>

* Budget is comprised of current year budget and prior year carry forward.

City of Jacksonville
Tree Commission
Ordinance - 15304 - Tree Protection & Related Expenditures
Balance Sheet
January 11, 2024

<u>Equity in Pooled Cash</u>	25,454,918.69
-------------------------------------	---------------

<u>Accounts Payable</u>	297,410.99
--------------------------------	------------

<u>Fund Balance</u>	
Beginning Fund Balance	26,223,112.08
YTD Gain\Loss	<u>(1,070,809.98)</u>
Adjusted Fund Balance	<u>25,152,302.10</u>

<u>Available Balance Calculation</u>	
Cash	25,454,918.69
Less:	
AP	297,410.99
Funds Available(Budget)	9,840,482.76
Encumbrances (Open POs)	<u>4,615,982.57</u>
Sub-Total Adjustments	<u>14,753,876.32</u>
Unappropriated/Unallocated	<u><u>10,701,042.37</u></u>

City of Jacksonville
Tree Commission
Ordinance - 15304 - Tree Protection & Related Expenditures
Statement of Activity
January 11, 2024

	<u>11-Jan</u>	<u>YTD</u>	<u>Budget</u>
Revenues			
Ordinance appropriation			530,506.00
Tree Mitigation Funds - Article 25	-		
Investment Pool Earnings	119,174.82	207,134.67	
Contributions From Private Sources	136,287.00	540,963.00	
Contribution-Loss Deductible	256.20	2,200.20	
Total Revenue	<u>255,718.02</u>	<u>750,297.87</u>	<u>530,506.00</u>
Expenses			
Expenses *	1,206,528.46	1,821,107.85	16,694,800.00
Net	<u>(950,810.44)</u>	<u>(1,070,809.98)</u>	<u>(16,164,294.00)</u>

* Budget is comprised of current year budget and prior year carry forward.

City of Jacksonville
Tree Commission
Charter - 15305- Tree Mitigation & Related Expenditures
Balance Sheet
January 11, 2024

<u>Equity in Pooled Cash</u>	9,247,872.39
<u>Accounts Payable</u>	0
<u>Fund Balance</u>	
Beginning Fund Balance 10/1/22	9,066,839.20
YTD Gain\Loss	181,033.19
Adjusted Fund Balance	<u>9,247,872.39</u>
Available Balance Calculation	
Cash	9,247,872.39
Less:	
AP	
Funds Available	
Encumbrances (Open POs)	<u>-</u>
Sub-total	<u>-</u>
Unappropriated/Unallocated	<u><u>9,247,872.39</u></u>

City of Jacksonville
Tree Commission
Charter - 15305- Tree Mitigation & Related Expenditures
Statement of Activity
January 11, 2024

	<u>Actuals</u>		<u>Budget</u>
	<u>11-Jan</u>	<u>YTD</u>	
Revenues			-
Tree Mitigation Funds - Article 25	27,030.00	110,143.00	
Investment Pool Earnings	44,511.78	70,890.19	
	<u>71,541.78</u>	<u>181,033.19</u>	
Expenses			-
	-	-	
Net	<u>71,541.78</u>	<u>181,033.19</u>	<u>-</u>

COJ PL - Modified

Month of: 1/11/224

Ledger COJ PL - Modified Accrual

Fund 15304 Tree Protection & Related

Account	Description	Beginning Balance (USD)	Debits (USD)	Credits (USD)	Ending Balance (USD)
104001	Equity in Pooled Cash Account	27,155,539.64	348,662.53	115,801.45	27,384,743.29
104201	Cash - JP Accounts Payable	-109,104.00	0.00	0.00	-109,104.00
104206	Cash - JP General Deposit	113,365.12	1,062,364.05	1,663,866.46	-488,137.29
104299	Bank Clearing	-129,194.29	1,767,320.74	2,506,057.19	-913,622.20
104998	Zero Invoice Clearing	-2,077.50	0.00	0.00	-2,077.50
104999	Cash Clearing	-416,883.61	0.00	0.00	-416,883.61
201101	Vouchers Payable Account	-386,806.09	2,224,532.62	2,120,395.28	-297,410.99
216101	Accrued Payroll Payable	-1,727.19	1,727.19	0.00	0.00
284101	Fund Balance - Unassigned Account	-26,223,112.08	0.00	0.00	-26,223,112.08
					1,065,464.38
					-25,157,647.70
361101	Investment Pool Earnings	0.00	87,959.85	295,094.52	-207,134.67
366020	Contributions From Private Sources	0.00	8,748.00	549,711.00	-540,963.00
369050	Miscellaneous Sales and Charges	0.00	0.00	2,200.20	-2,200.20
369400	Contribution-Loss Deductible	0.00	0.00	5,205.60	-5,205.60
512010	Permanent and Probationary Salaries	0.00	18,893.25	1,523.85	17,369.40
521020	Medicare Tax	0.00	256.16	20.48	235.68
522070	Disability Trust Fund-ER	0.00	56.66	4.57	52.09
522130	GEPP Defined Contribution DC-ER	0.00	2,210.53	178.29	2,032.24
523010	Group Dental Plan	0.00	52.50	0.00	52.50
523030	Group Life Insurance		29.82	0.00	29.82
523040	Group Hospitalization Insurance		3,068.17	0.00	3,068.17
524001	City Employees Worker's Compensation		879.00	0.00	879.00
545020	General Liability Insurance		81.75	0.00	81.75
549006	Trust Fund Authorized Expenditures		1,967,729.19	170,561.99	1,797,167.20
549032	Clothing, Clean, Shoe Transfer Allow		140.00	0.00	140.00
Total for Fund 15304		0.00	4,751,376.15	4,751,376.15	1,065,464.38

Trial Balance Report

Report Date

1/11/2024

COJ PL - Modified Accrual

Month of: 1/11/2024

Ledger COJ PL - Modified Accrual

Fund 15305 Tree Mitigation & Related Expense

Account	Description	Beginning Balance (USD)	Debits (USD)	Credits (USD)	Ending Balance (USD)
104001	Equity in Pooled Cash Account	8,060,991.66	105,173.60	26,888.41	8,108,650.39
104201	Cash - JP Accounts Payable	-1,785.00	0.00	0.00	-1,785.00
104206	Cash - JP General Deposit	1,038,259.00	125,766.00	29,648.00	1,141,007.00
284101	Fund Balance - Unassigned Account	-9,066,839.20	0.00	0.00	-9,066,839.20
					-181,033.19
					-9,247,872.39
343750	Tree Mitigation	0.00	30,158.00	113,271.00	-110,143.00
361101	Investment Pool Earnings	0.00	26,378.41	97,268.60	-70,890.19
Total for Fund 15305 Tree Mitigation & Related		0.00	261,097.60	169,807.41	-181,033.19

9,247,872.39

End of Report

»w Budgetary Control Balances

Done

Budget

Saved Search

arch

Amount Type
 * Budget Period
 Funds Available

Currency USD
 * Fund
 * Center

* Account
 * Project
 * Activity

t Balances

Fund	Center	Account	Project	Activity	Year to Date Period	Initial Budget	Budget Adjustments	Total Budget	Commitme	Obligations	Expenditures	Total Consumption	Funds Available Amount
5304	PW	510000	000000	00000000	FY1-24	94,115.00	-12,709.32	81,405.68	0.00	0.00	23,718.90	23,718.90	57,686.78
5304	PW	545000	000000	00000000	FY1-24	327.00	26.63	353.63	0.00	0.00	81.75	81.75	271.88
5304	PW	549000	000000	00000000	FY1-24	436,064.00	2,828,790.86	3,264,854.86	0.00	319,937.28	281,370.19	601,307.47	2,663,547.39
5304	PW	549000	000000	00000378	FY1-24	0.00	3,597,410.00	3,597,410.00	0.00	1,726,907.06	618,143.70	2,345,050.76	1,252,359.24
5304	PW	549000	000000	00000541	FY1-24	0.00	10,283.00	10,283.00	0.00	0.00	0.00	0.00	10,283.00
5304	PW	549000	000000	00001315	FY1-24	0.00	7,909,524.83	7,909,524.83	0.00	2,690,272.46	1,054,701.90	3,744,974.36	4,164,550.47
5304	PW	549000	000000	00001316	FY1-24	0.00	140,238.62	140,238.62	0.00	0.00	0.00	0.00	140,238.62
5304	PW	549000	000000	00001623	FY1-24	0.00	1,688,434.65	1,688,434.65	0.00	128,397.95	10,786.05	139,184.00	1,549,250.65
5304	PW	549500	000000	00000982	FY1-24	0.00	694.73	694.73	0.00	0.00	0.00	0.00	694.73
5304	PW	580000	000000	00000982	FY1-24	0.00	1,600.00	1,600.00	0.00	0.00	0.00	0.00	1,600.00
Total						530,506.00	16,164,294.00	16,694,800.00	0.00	4,865,514.75	1,988,802.49	6,854,317.24	9,840,482.76

Columns Hidden 8 Columns Frozen 6

	<u>1/11/2024</u>	<u>11/30/2023</u>	<u>MoM Variance</u>
Total Budget	16,694,800.00	16,694,800.00	-
Encumbrance	4,615,982.57	5,066,274.87	(450,292.30)
Available Funds	9,840,482.76	11,100,957.12	(1,260,474.36)

City of Jacksonville
Tree Commission
Activity/Project Status as of 1/11/2024

	1/11/2024	Budget	Obligation	Expenditures	Funds Available
		Nov-23	Nov-23	Nov-23	Nov-23
151004-PWOD Tree Mitigation & Related Expenses - Conservation and Resource Manag	00000378-County-Wide Tree Prog-Remove - Replace	3,597,410.00	1,726,907.06	618,143.70	1,252,359.24
151004-PWOD Tree Mitigation & Related Expenses - Conservation and Resource Manag	00000541-Hammond Blvd Project	10,283.00	-	-	10,283.00
151004-PWOD Tree Mitigation & Related Expenses - Conservation and Resource Manag	00000982-Tree Protection & Related Expenses	2,294.73	-	-	2,294.73
151004-PWOD Tree Mitigation & Related Expenses - Conservation and Resource Manag	00001315-Level 2 Tree Planting Program	7,909,524.83	2,690,272.46	1,054,701.90	4,164,550.47
151004-PWOD Tree Mitigation & Related Expenses - Conservation and Resource Manag	00001316-Moncrief Rd Beautification Project	140,238.62	-	-	140,238.62
151004-PWOD Tree Mitigation & Related Expenses - Conservation and Resource Manag	00001623-Level 3 Tree Planting Program	1,688,434.65	128,397.95	10,786.05	1,549,250.65
		13,348,185.83	4,545,577.47	1,683,631.65	7,118,976.71
154006-PWML Tree Maintenance - Other Physical Environment	00000000-No Activity	534,061.15	144,026.88	90,130.79	299,903.48
	All Activity Values	534,061.15	144,026.88	90,130.79	299,903.48
154007-PWML 630-City Tree Planting Prog - Other Physical Environment	00000000-No Activity	2,812,553.02	134,133.00	103,195.20	2,575,224.82
	All Activity Values	2,812,553.02	134,133.00	103,195.20	2,575,224.82
		16,694,800.00	4,823,737.35	1,876,957.64	9,994,105.01
Better Jacksonville Plan					
153104-PWCP Public Works Capital Projects - Road and Street Facilities	008449-Tree Mitigation Project	1,717,826.00	-	-	1,717,826.00



TREE MITIGATION CITY OF JACKSONVILLE



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):	\$10,283,815.55
15N (Charter):	\$9,247,872.39
Better Jacksonville Plan - Tree Mitigation Project:	\$1,717,826.00
Total:	\$21,249,513.94



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.

© 2024 - Official City of Jacksonville and Duval County Government Website, All Rights Reserved.

Version: 1.0.0.6

Since 2017

Remove and Replace

15304 Ordinance Funds Available for Appropriation: As of 01/01/2024 there is \$10,245,272.66

Appropriated	Date	Project	Purchase Order Amount	Date	Remainder	Status
Amount	Date	Project	Amount	Date	Remainder in project	Status
\$300,000.00	Nov-18					
\$2,000,000.00	Nov-19					
\$2,000,000.00	Apr-21					
\$4,000,000.00	Dec-22					
		Remove and Replace	\$1,250,000.00	11/18/2020	\$34,432.64	Open
		8th Street	\$37,078.00	7/8/2022	\$3,707.90	Open
		Atlantic Blvd	\$26,483.50	8/31/2022	\$2,628.10	Open
		Round 13	\$14,300.00	1/17/2023	\$2,145.00	Open
		Parks Replacement (FY23)	\$336,365.00	4/24/2023	\$134,546.00	Open
		Round 16	\$34,070.55	5/11/2023	\$6,814.11	Open
		Old River Road	\$1,141.60	8/17/2023	\$292.32	Open
		Round 18	\$49,650.00	9/15/2023	\$49,650.00	Open
		Parks Removal	\$500,000.00	11/3/2023	\$319,837.51	Open
		Remove and Replace				
		Removals	\$800,000.00	11/3/2023	\$592,289.79	Open
		Parks Replacement (FY24)	\$500,000.00	11/27/2023	\$423,614.00	Open
		Round 19	\$52,900.00	11/15/2023	\$52,900.00	Open
		Baymeadows R&R	\$169,819.05	12/21/2023	\$169,819.05	Open
\$8,300,000.00	Total	Total	\$7,652,002.21	Total	\$1,792,676.42	

Remove and Replace

15304 Ordinance Funds Available for Appropriation: As of 01/01/2024 there is \$10,245,272.66

Appropriated Amount	Date	Project	Purchase Order Amount	Date	Remainder	Status
Amount	Date	Project	Amount	Date	Remainder in project	Status
				Available for Remove and Replace Allocation	\$1,304,375.42	

Definitions of Terms

- Available for Appropriation-** Requires City Council Approval
- Allocated-** Already been approved by City Council/Tree Commission and MBRC approved funds
- Obligation-** Funds have been assigned to a project and a purchase order has been issued
- Green fill** indicates amount available in pool of money
- Orange Fill** indicates total money for column

Since 2017

630-City

15304 Ordinance Funds Available for Appropriation: As of 01/01/2024 there is \$10,245,272.66

Appropriated	Date	Project	Purchase Order Amount	Date	Remainder	Status
Amount		Project	Amount	Date	Remainder in project	Status
\$200,000.00	Nov-18					
\$1,600,000.00	Aug-19					
\$2,000,000.00	Nov-21					
\$2,000,000.00	Dec-22					
		630-City Round 18	\$128,994.00	5/5/2023	\$25,798.80	Open
		630-City Round 19	\$99,558.00	7/14/2023	\$19,782.00	Open
		630-City Round 20	\$129,681.60	12/4/2023	\$129,681.60	Open
\$5,800,000.00	Total	Total	\$4,408,322.82	Total	\$175,262.40	
				Available for 630-City Allocation	\$2,445,543.22	

Definitions of Terms

Available for Appropriation- Requires City Council Approval

Allocated- Already been approved by City Council/Tree Commission and MBRC approved funds

Obligation- Funds have been assigned to a project and a purchase order has been issued

Green fill indicates amount available in pool of money

Orange fill indicated total money for column

Since 2017

Level 2

15304 Ordinance Funds Available for Appropriation: As of 01/01/2024 there is \$10,245,272.66

Appropriated		Allocation		Purchase Order Amount		Remainder		Status
Amount	Date	Project	Amount	Date	Amount	Date	Remainder in project	Status
\$1,000,000.00	Feb-19							
\$2,000,000.00	Jan-20							
\$2,000,000.00	Jan-21							
\$2,000,000.00	Aug-21							
\$8,000,000.00	Jun-22							
		Kernan Blvd	\$276,722.50	5/19/2021	\$276,722.50	6/23/2021	\$13,836.11	Open
		Twin Lakes Academy	\$122,553.00	5/19/2021	\$122,553.00	6/23/2021	\$6,127.65	Open
		Park Street Rd Diet	\$399,526.00	6/16/2021	\$399,526.00	8/24/2021	\$399,526.00	On Hold
		Whitehouse Park	\$54,594.00	6/16/2021	\$54,594.00	8/24/2021	\$2,729.70	Open
		Baker Point Park	\$17,091.00	6/16/2021	\$17,091.00	8/24/2021	\$854.55	Open
		Gold Star	\$466,296.00	9/22/2021	\$450,921.00	9/29/2021	\$47,579.55	Open
		Fort Caroline Rd	\$165,793.50	7/21/2021	\$157,369.50	1/11/2022	\$15,736.95	Open
		Norfolk and Soutel Level 2	\$90,106.00	7/21/2021	\$90,106.00	1/12/2022	\$4,505.30	Open
		Jax Beach Level 2	\$277,789.50	9/22/2021	\$277,789.50	1/12/2022	\$27,778.94	Open
		Columbia Parkway R	\$51,840.00	12/15/2021	\$51,840.00	1/21/2022	\$5,184.00	Open
		Jarboe Park	\$145,918.00	12/15/2021	\$145,918.00	1/24/2022	\$14,591.80	Open
		Northbank Riverwalk	\$138,801.00	12/15/2021	\$116,125.00	5/17/2022	\$11,612.50	Open
		Fishweir Park	\$40,014.00	3/23/2022	\$40,014.00	6/23/2022	\$6,002.10	Open
		District 7 Parks	\$106,000.00	3/23/2022	\$94,000.00	4/25/2023	\$18,800.00	Open
		District 5 Parks	\$457,600.00	4/20/2022	\$280,250.00	4/28/2023	\$56,050.00	Open
		Deerwood Park Blvd	\$86,319.00	5/18/2022	\$86,319.00	6/30/2022	\$8,631.90	Open
		Hanna Park	\$264,584.80	6/13/2022	\$264,584.80	8/15/2022	\$53,716.96	Open
		Saint Johns Bluff Rd	\$388,238.50	7/20/2020	\$388,238.50	8/29/2022	\$38,823.84	Open
		Wolfson High School	\$102,336.00	9/21/2022	N/A	N/A	N/A	N/A
		Collins Road	\$338,265.00	9/21/2022	\$338,265.00	11/23/2022	\$50,739.75	Open
		College Street						
		Parking Medians	\$13,019.00	11/16/2022	\$13,019.00	12/21/2022	\$1,952.85	Open

Level 2

15304 Ordinance Funds Available for Appropriation: As of 01/01/2024 there is \$10,245,272.66

Appropriated		Allocation		Purchase Order		Remainder		Status	
Amount	Date	Project	Amount	Date	Amount	Date	Remainder in project	Status	Status
		Airport Center Drive East	\$153,643.00	11/16/2022	\$153,643.00	12/29/2022	\$23,046.45	Open	Open
		GoldStar Phase 2	\$2,300,000.00	12/21/2022	\$1,141,500.00	7/14/2023	\$614,169.57	Open	Open
		GoldStar Phase 2	\$121,345.16	12/21/2022	\$121,345.16	7/11/2022	\$11,393.20	Open	Open
		Fort Caroline Rd Pond	\$61,479.00	2/15/2023	\$61,479.00	3/21/2023	\$9,221.85	Open	Open
		Kernan BLVD N	\$591,059.00	2/15/2023	\$591,059.00	3/23/2023	\$118,211.80	Open	Open
		Price Park	\$27,216.00	4/19/2023	\$27,216.00	5/11/2023	\$5,443.20	Open	Open
		Amelia View Phase 2	\$62,370.00	4/19/2023	\$62,370.00	5/11/2023	\$12,474.00	Open	Open
		Parks Northwest Districts	\$321,440.00	4/19/2023	\$321,440.00	6/6/2023	\$128,576.00	Open	Open
		Fletcher and Hollywood Park	\$33,100.00	5/17/2023	\$33,100.00	6/27/2023	\$11,700.00	Open	Open
		Gator Bowl	\$41,185.00	7/19/2023	\$41,185.00	8/10/2023	\$8,237.00	Open	Open
		Westside Parks	\$402,600.00	7/19/2023	\$402,600.00	10/4/2023	\$161,040.00	Open	Open
		7th Street E	\$88,355.00	8/16/2023	\$88,355.00	9/14/2023	\$17,671.00	Open	Open
		District 7 and 10 Corridors	\$75,451.50	9/20/2023	\$75,451.50	11/1/2023	\$75,451.50	Open	Open
		Lift Ev'ry Voice and Sing Park	\$223,335.00	11/15/2023	\$223,335.00	1/10/2024	\$223,335.00	Open	Open
		Sheffield Park	\$126,500.00	11/15/2023	\$126,500.00	1/10/2024	\$126,500.00	Open	Open
\$15,000,000.00	Total		\$12,440,544.27	Total	\$10,141,402.96	Total	\$2,331,251.42		
				Available for Level 2 Allocation			\$4,614,046.12		

Definitions of Terms

Available for Appropriation- Requires City Council Approval

Allocated- Already been approved by City Council/Tree Commission and MBRC approved funds

Level 2

15304 Ordinance Funds Available for Appropriation: As of 01/01/2024 there is \$10,245,272.66

Appropriated		Allocation		Purchase Order		Remainder		Status
Amount	Date	Project	Amount	Date	Amount	Date	Remainder in project	Status

Encumbered- Funds have been assigned to a project and a purchase order has been issued

Green fill indicates amount available in pool of money

Orange Fill indicated total money for column

Since 2017

Level 3

15304 Ordinance Funds Available for Appropriation: As of 01/01/2024 there is \$10,245,272.66

Appropriated		Allocation		Purchase Order Amount		Remainder		Status
Amount	Date	Project	Amount	Date	Amount	Date	Remainder in project	Status
\$1,000,000.00	May-20							
\$1,000,000.00	Dec-22							
		Jax Zoo	\$209,190.35	3/4/2021	\$209,190.35	10/27/2021	\$105,728.15	Open
\$2,000,000.00	Total	Total	\$450,789.35	Total	\$450,749.35	Total	\$105,728.15	
Available for Level 3 Allocation								
							\$1,560,036.70	

Definitions of Terms

Available for Appropriation- Requires City Council Approval

Allocated- Already been approved by City Council/Tree Commission and MBRC approved funds

Obligation- Funds have been assigned to a project and a purchase order has been issued

Green fill indicates amount available in pool of money

Orange Fill indicated total money for column

Since 2017

Charter Fund

15305 Charter Funds Available for Appropriation: As of 01/01/2024 there is \$9,227,077.36

Ordinance	Amount	Date	Project	Original Purchase Order Amount	Date	Remainder in project	Status
Total	\$133,317.49		Total	\$133,317.49	Total	\$0.00	

Definitions of Terms

Available for Appropriation- Requires City Council Approval

Allocated- Already been approved by City Council/Tree Commission and MBRC approved funds

Obligation- Funds have been assigned to a project and a purchase order has been issued

Orange Fill indicated total money for column

BJP

Better Jacksonville Plan- Tree Mitigation Dollars available for Appropriation: As of 01/01/2024 there is \$1,717,826.00

Appropriated		Project	Purchase Order Amount	Date	Remainder in project	Status
Amount	Date					

Definitions of Terms

Available for Appropriation- Requires City Council Approval

Allocated- Already been approved by City Council/Tree Commission and MBRC approved funds

Obligation- Funds have been assigned to a project and a purchase order has been issued

Jacksonville Tree Commission

Available Funds Summary (as of January 1st, 2024)

	DEC-23	JAN-24
15F Ordinance Funds Available for Council Appropriation (a)	\$9,988,935.58	\$10,245,272.66
Allocated for Remove and Replace to Public Works (b)	\$1,511,447.46	\$1,304,375.42
Allocated for 630-City to Public Works (c)	\$2,445,543.22	\$2,445,543.22
Available for Level 2 Allocation by Tree Commission (d)	\$4,751,713.46	\$4,614,046.12
Available for Level 3 Allocation by Tree Commission (e)	\$1,560,036.70	\$1,560,036.70
Total Allocated to PW for 630-City and Remove & Replace (b) + (c)	\$3,956,990.68	\$3,749,918.64
Total Available for Allocation by Tree Commission (d) + (e)	\$6,311,750.16	\$6,174,082.82
15N Charter Funds Available for Council Appropriation (f)	\$9,121,558.77	\$9,227,077.36
BJP Tree Mitigation Dollars available for Council Appropriation (g)	\$1,717,826.00	\$1,717,826.00
Total Avail for Appropriation by Council (a) + (f) + (g)	\$20,828,320.35	\$21,190,176.02
Total Avail for Allocation by Tree Commission (d) + (e)	\$6,311,750.16	\$6,174,082.82
Total Funds Not Obligated	\$27,140,070.51	\$27,364,258.84

Encumbered Funds Summary (as of JAN 2024)

	Dec-24	Jan-24
<i>Obligated Level 2 Proj Funds</i>	\$2,043,023.02	\$2,331,251.42
<i>Obligated Level 3 Proj Funds</i>	\$105,728.15	\$105,728.15
Total Funds Obligated	\$2,148,751.17	\$2,436,979.57

ACTIVE CITY OF JACKSONVILLE LEVEL 2 TREE PLANTING PROJECTS

ATTACHMENT F

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

Visit jaxtreemitigation.coj.net - Tree Fund City Projects for links to legislation and planting details

Requesting Entity	Project Scope	Tree Commission Approval Date	Status	Allocated Amount	Contract/Warranty
Twin Lakes Academy ES/School	Trees within school grounds and ROW - 66 trees	May-21	Installation Complete	\$122,553.00	Liberty 2/yr
Kernan Blvd./CM	Trees within medians and Row of Kernan Blvd. - 132 trees	May-21	Installation Complete	\$276,722.50	Liberty 2/yr
Whitehouse Park/Parks and residential	Trees within play area and recreational fields. - 29 trees	Jun-21	Installation Complete	\$54,594.00	Liberty 2/yr
Baker Point Park/Parks and residential	Trees within park undergoing improvements - 8 trees	Jun-21	Installation Complete	\$17,091.00	Liberty 2/yr
Fort Caroline Rd. Tree Planting	Trees within right of way along Fort Caroline Rd. 66 trees	Jul-21	Installation Complete	\$157,369.50	Liberty 2/yr
Norfolk Soutel Tree Planting	Trees within medians and right of way along Norfolk Blvd. 36 trees	Jul-21	Installation Complete	\$90,106.00	Liberty 2/yr
Jax Beach Park and ROW	Trees within parks and right of way. 150 trees	Sep-21	Installation Complete	\$277,789.50	Liberty 2/yr
Gold Star Family Memorial Highway	Trees within retention pond and right of way. 200 trees	Sep-21	Installation Complete	\$450,921.00	Liberty 2/yr
Northbank Riverwalk	Trees along trail and riverside of Northbank Riverwalk/Geffen Park area. 68 trees	Dec-21	Installation Complete	\$116,125.00	Liberty 2/yr
Jarboe Park	Trees along play areas and trails of Jarboe Park. 76 trees	Dec-21	Installation Complete	\$145,918.00	Liberty 2/yr
Columbia Pkwy Retention Pond	Trees along play areas and trails of Jarboe Park. 29 trees	Dec-21	Installation Complete	\$51,840.00	Liberty 2/yr
Fishweir Park	Trees along nature trail. 21 trees	Mar-22	Installation Complete	\$40,014.00	Liberty 2/yr
District 7 Parks	55 trees.	Mar-22	Installation Complete	\$106,000.00	Greenway/1yr
District 5 Parks	195 Trees	Mar-22	Installation Complete	\$452,600.00	Greenway/1yr
Deerwood	Trees along median. 43 trees	May-22	Installation complete	\$86,319.00	Liberty 2/yr
Hanna Park	106 trees	Jun-22	Installation Complete	\$264,584.80	Liberty 2/yr
Saint Johns Bluff Road	Trees along Median. 189 trees	Jul-22	Installation Complete	\$388,238.50	Liberty 2/yr
Wolfon High School	Trees in school grounds. 56 trees	Sep-22	awaiting legal form	\$102,336.00	Liberty 2/yr
Collins Road	Trees along median. 183 trees	Sep-22	Installation Complete	\$338,265.00	Liberty 2/yr
Airport Center Drive E	Trees along median. 76 trees	Nov-22	Installation Complete	\$153,643.00	Liberty 2/yr

ACTIVE CITY OF JACKSONVILLE LEVEL 2 TREE PLANTING PROJECTS

ATTACHMENT F

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

Visit jaxtreemitigation.coj.net - Tree Fund City Projects for links to legislation and planting details

Requesting Entity	Project Scope	Tree Commission Approval Date	Status	Allocated Amount	Contract/Warranty
College Street Parking Islands	Trees in Parking Islands, 4 trees.	Nov-22	Installation Complete	\$13,019.00	Liberty 2/yr
Gold Star Family Memorial Highway Phase 2	Trees within retention ponds and right of way. 1218 trees	Dec-22	Installing	\$2,300,000.00	To Bid 2/yr
Fort Caroline Road Pond	Trees within retention pond. 34 trees	Feb-23	Installation Complete	\$61,479.00	Liberty 2/yr
Kernan Blvd N	Trees within Right of way and Median- 276 trees	Feb-23	Installation Complete	\$591,059.00	Liberty 2/yr
Price Park	Trees within Right of way. 13 trees	Apr-23	Installation Complete	\$27,216.00	Liberty 2/yr
Amelia View Phase 2	Trees within Right of Way. 34 trees	Apr-23	Installation Complete	\$62,370.00	Liberty 2/yr
Northwest Parks	Trees in parks. 202 trees	Apr-23	Installation Complete	\$321,440.00	Greenway/1yr
Fletcher and Hollywood Park	Trees in park. 21 trees	May-23	Installation Complete	\$33,100.00	Greenway/1yr
GatorBowl	Trees in Median. 8 trees	Jul-23	Installation Complete	\$41,185.00	Liberty/2yr
Westside Parks Level 2	Trees in Parks (242 trees)	Aug-23	Installation Complete	\$402,600.00	Greenway/1yr
7th Street East	Trees in right of way (42 trees)	Aug-23	Installation Complete	\$41,185.00	Liberty/2yr
District 7 and 10 Corridors	Trees in right of way (39 trees)	Sep-23	Installing	\$75,451.50	Liberty/2yr
Hodges Blvd Level 2	Trees in Median (59 trees)	Oct-23	installing	\$137,667.34	Liberty/2yr
Sheffield Park Level 2	In park (86 trees)	Oct-23	Scheduling	\$126,500.00	Greenway/1yr
McGirts Creek Restoration Level 2	In Preserve (12,000 saplings)	N/A	To Tree Commission	\$182,750.00	Greenway/no warranty
Lift Ev'ry Voice and Sing Park Level 2	In Park (90 trees)	N/A	Scheduling	\$233,335.00	Greenway/1yr

Potential Trees to Add to Approved Species List For Park Plantings

Peach Tree/ Nectarine Tree (*Prunus persica*)



Low-chilling cultivars can grow and produce fruit under Florida conditions that are much warmer in winter than in northern states.

- **USDA Hardiness Zone:** 7A? - 9A
- **Mature Height:** 12 to 20 ft
- **Mature Spread:** 15 to 20 ft
- **Growth Rate:** Fast at first, then slow
- **Availability:** Available
- **Drought Tolerance:** Moderate
- **Salt Tolerance:** Unknown
- **Light Requirements:** Full sun to partial sun.
- **Native Origin:** Not native to Florida.
- **Soil Drainage:** Needs a well-drained site.
- **Foliage:** Deciduous tree with no showy fall color.

Pear Tree (*Pyrus spp.*)



There are two groups of pears grown in the United States, *Pyrus communis* L., the European pear, and the Asian pear, *P. serotina* and *P. pyrifolia*, as well as hybrids between the two groups. Hybrid pears are suited to central and north Florida.

Soil type and rainfall will determine the frequency of irrigation. Sandy soils require more frequent irrigation. When irrigating, thoroughly wet all areas under the tree to at least a foot deep. Applications every 7–10 days may be required in dry seasons. On sandy soils, frequent light irrigations are better than less frequent heavy irrigations. Mature trees may require 50+ gallons per tree, and young trees require 2–3 gallons at each application.

Trees are generally pruned to a modified leader system to keep the center more open and encourage the tree to spread, because pear trees generally have very upright growth. The modified leader is created by selecting three to four upright main branches from the central trunk and pruning them to increase lateral growth. Remove other main branches to keep the canopy open to air movement.

Apple- (*Malus spp.*)



Apple varieties have been grown and fruited in Leesburg, Gainesville, and Quincy. 'Anna' (Figure 2), 'Dorsett Golden' (Figure 3), 'Tropic Sweet' (Figure 4), and 'Ein Shemer' (Figure 5) appear best adapted to conditions in these areas. They have a cold requirement in the range of 300 to 400 hours below 45°F.

The amount of water and when to apply it depends not only on frequency and amount of rainfall, but also on soil type. More frequent irrigation will be required on sandy soils than on clay or organic soils. The area beneath the canopy of the tree should be wet to a depth of several feet at each irrigation, which may require more than 50 gallons of water per tree for large trees or as little as 5 to 10 gallons for young trees. Irrigation may be required every 7 to 10 days under extremely dry conditions.

Most apples are self-unfruitful and require cross-pollination for adequate fruit set.

Fig Tree (*Ficus spp.*)



In the southeastern United States, this tree is seldom taller than 25 feet due to periodic cold injury to the trunk and limbs. Most fig trees in the southeastern United States are multiple-branched shrubs.

Fig trees produce roots that can be very deep in well-drained soils. The lateral spread of roots can be substantial.

Figs perform best in locations with full sun.

Irrigation is required for fig trees during the establishment year. During that period, a fig tree should receive 10 gallons per application at least three times a week. Irrigation after the establishment year is optional except during a prolonged drought. For mature fig trees, irrigation of 20–50 gallons per tree per week can be applied if there is no significant rain. Drought-stressed trees are more susceptible to nematodes and will not fruit well.

Fig trees do not require pruning to be productive.

APPROVED

Jacksonville Tree Commission
Wednesday November 15, 2023, – 9:30 AM
For approval January 17, 2024
Via Zoom Platform & In Person

**Commissioners
Present:**

Curtis Hart (Chair)
Susan Fraser
Nina Sickler
Chris Miller
William Burke

Staff: Charles Hayes (COJ)

Public: Jameka Smith (COJ)
Jennifer Grable (COJ)
Lisa Grubba (Greenscapes)
Nancy Powell (Scenic Jax)
Jill Enz
Sean Smalls
Anna Walling
Kathleen McGovern
Mike Zaffaroni (Liberty Landscape)
Jeff Lucovsky (COJ)
Scott Sauder (JEA)
Valerie Feinberg (Fuse Fellow)
Carol Register (COJ)
Brooks Andrews
John November (Public Trust)
Sandra Fetner

Advisors:

Susan Grandin, OGC
Justin Gearhart, City Arborist
Jonathan Colburn, Urban Forestry Manager
Jose Regueiro

1. **Call to Order** – Chair
2. **Roll Call and Verification of Quorum** – Chair
3. **Submittal of Speaker’s Cards** – Chair
 - a) A raised hand icon as well as waving at the screen will be acknowledged by the Chair.
 - b) For those attending in person, paper speakers’ cards are available.
4. **Action Items:**
 - a) Minutes from November 15, 2023, Tree Commission Meeting
 - i. Approved (Susan Fraser, William Burke second)
 - b) Proposed Level 3 Projects
 - c) Proposed Level 2 Project
 - i. Lift Ev’ry Voice and Sing Park
 1. Jill Enz and Sean Smalls presented the project.
 2. Public Comment
 - i. Curtis Hart asked the total amount requested.

- ii. Jill Enz replied 91 trees, \$225k with a 1-year warranty.
- iii. Curtis Hart asked who would be responsible for maintenance after the year.
- iv. Jill Enz replied, "The City of Jacksonville."
- v. Curtis Hart proposed other ideas for the park to include audio playing and future song competitions.
- vi. Susan Fraser inquired about the opening date and commented that a piece of the Emerald Trail would pass through the park.
- vii. Jill Enz stated the park would be open Spring 2024 and historic pavers were going to be used for the portion of the trail that would pass through.
- viii. Dupont representative commented that the company had raised \$2.5 million toward the project cost and expressed the great example of public/private partnerships.
- ix. Nancy Powell inquired about grass or turf would be used.
- x. Jill Enz stated it would be grass.

3. Vote

- i. Approved (Susan Fraser motion, Nancy Stickler second)
- d)** Fund balance and encumbrance report for 15(F) (Ordinance Tree Fund), 15(N) (Charter Tree Fund) and BJP (Attachment A) – Justin Gearhart
- e)** Fund Status of 630-CITY, Remove & Replace and Level 2 Programs (Attachment C) – Justin Gearhart
- f)** Status of Pending Level 2 Tree Projects (Attachment B) – Justin Gearhart

5. Reports

- a)** Jose Regueiro stated there was \$9.1 million in non-appropriated funding.
- b)** Jose Regueiro stated \$365k in revenue, \$223k in expenses, and the budget was at \$16,694 for expenses. \$9.9 million was not appropriated and cash was at \$26 million.
- c)** BJP money
 - i. Justin Gearhart inquired if a resolution on how to spend the BJP money.
 - ii. Susan Fraser stated it had been resolved
 - iii. Justin Gearhart suggested it as ordinance and charter to make it usable and transparent.
- d)** Level 2 Tree Projects Update
 - i. Justin Gearhart updated Moncrief, Sheffield, McGirts Creek, and Lift Ev'ry Voice and Sing.
- e)** Parks Department Update
 - i. Kathleen McGovern updated Westside was at 25% and McGirt will be presented later once revisions have been made.

6. New Business

- a)** RiversEdge funding request
 - i. RiversEdge multiuse development

1. Anna Walling presented the project
2. Public Comment
3. Preliminary presentation to the Commission with initial request of \$1.3 million funding
4. Curtis Hart (Chair) informed project team it will take time and continue to proceed through the process

b) Annual Report Draft- Justin Gearhart

- i. Justin made all requested changes to the report.
- ii. Curtis Hart requested a revised statement next to corresponding amounts to make it clearer.

c) City Council Meeting – Curtis Hart

- i. Member of Staff to attend a City Council meeting.
- ii. Present Tree Commission goals, milestones, and objectives. City Council members could also be made aware of public areas that are available for tree projects.

7. Public Comment

- 8. Adjournment** – the next Tree Commission meeting is scheduled for Wednesday, January 17, at 9:30am and will be a Hybrid/Zoom meeting in Ed Ball Building, 10th Floor, Public Works Office, conference room 5.