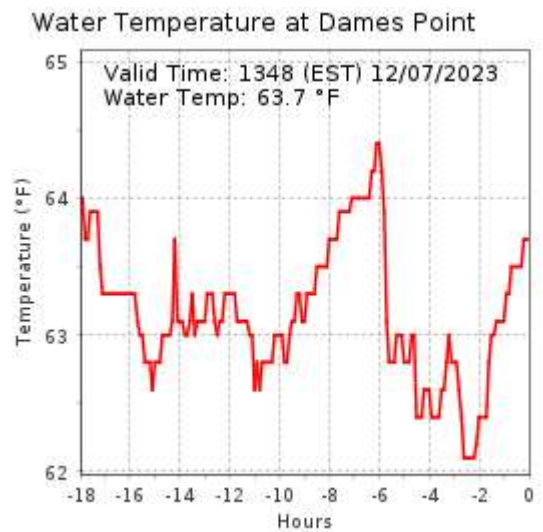
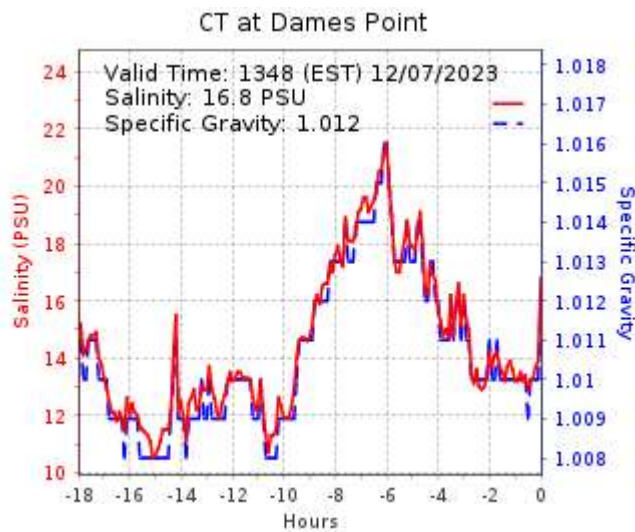
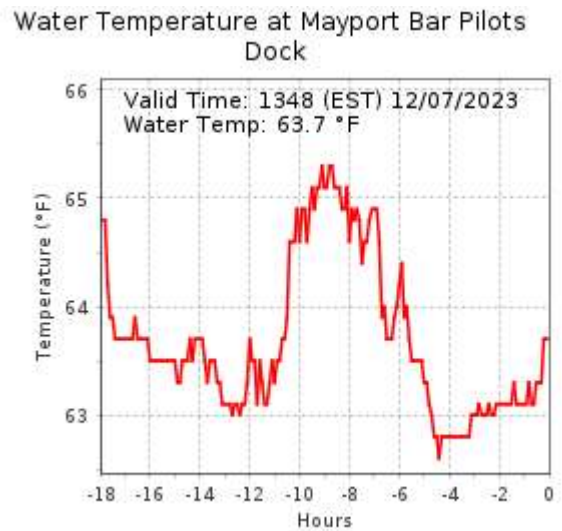
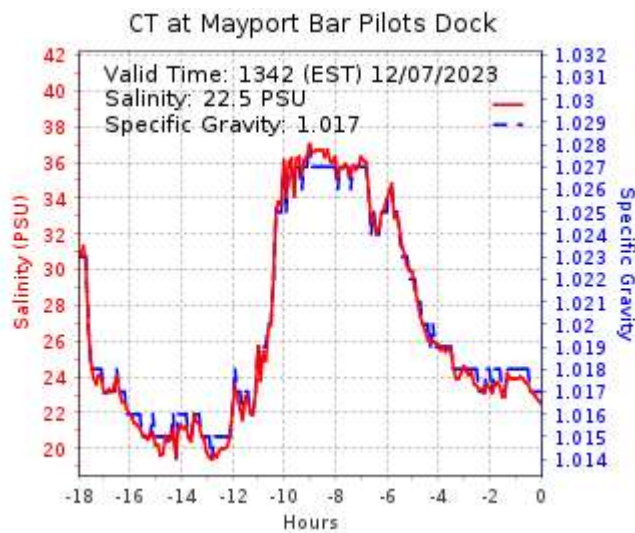
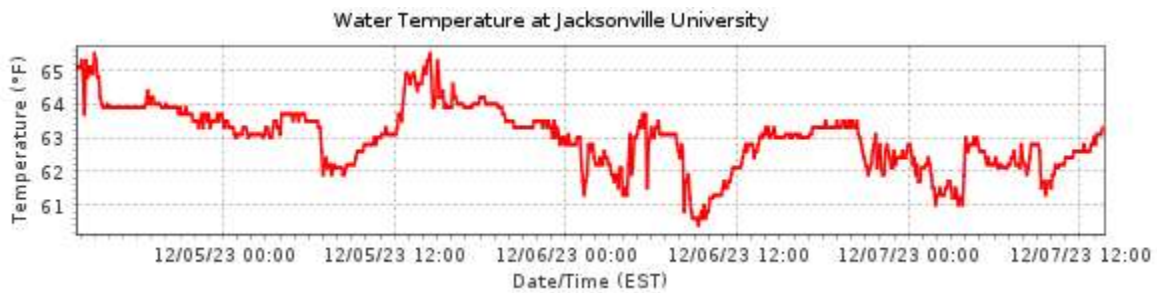


# WATER QUALITY AND MANATEES 12/07/2023 JACKSONVILLE WATERWAYS COMMISSION

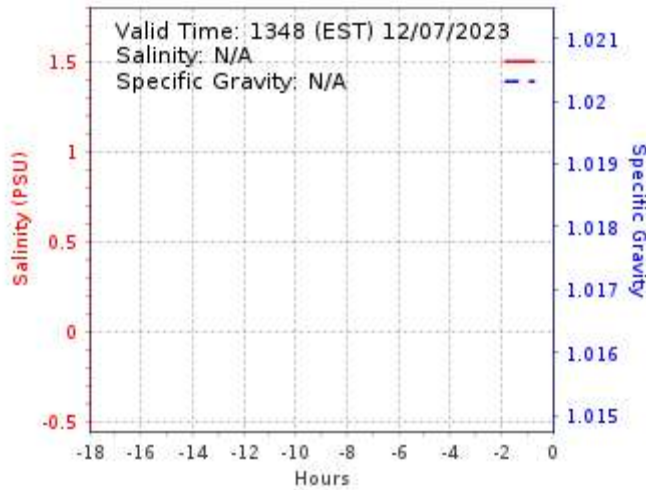
## SJR Water Quality 12/07/2023

| Sal<br>12/07/2023 | 10062023 | Temp<br>10/06/2023 | Stage/Gauge<br>ht. |
|-------------------|----------|--------------------|--------------------|
| 24-36             | Mayport  | 64                 | ± 1'               |
| 13-21             | Dames    | 64                 | ± 0.6'             |
| -                 | JU       | 63                 | ± 0.5'             |
| 1-0.3             | Buckman  | 65                 | ± 0.7'             |
| 7-1.5             | Downtown | 62                 | ± 0.23'            |

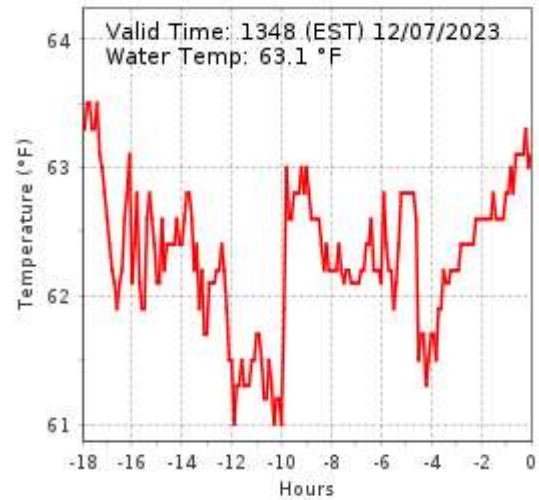


# WATER QUALITY AND MANATEES 12/07/2023 JACKSONVILLE WATERWAYS COMMISSION

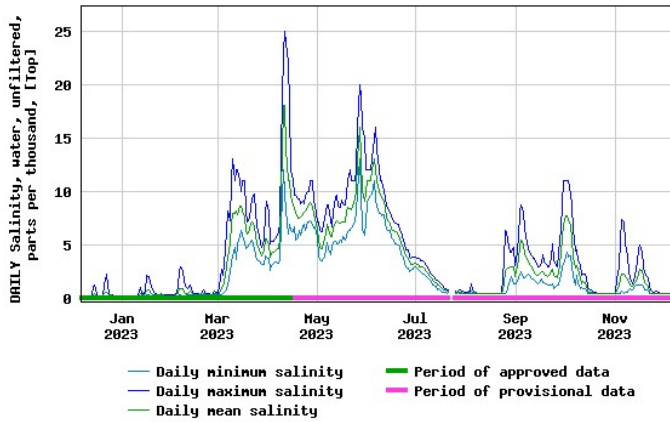
## CT at Jacksonville University



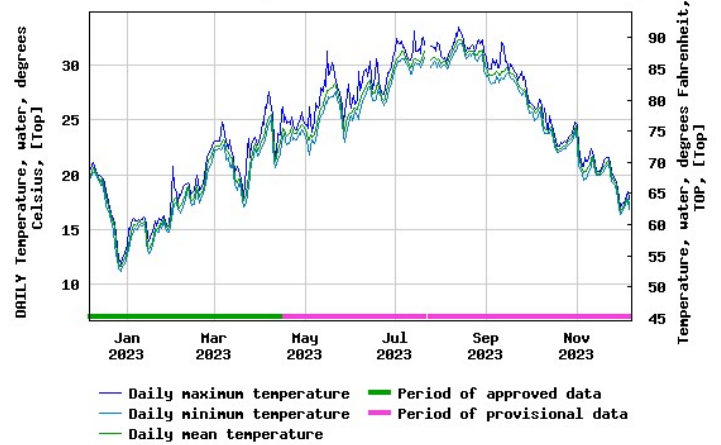
## Water Temperature at Jacksonville University



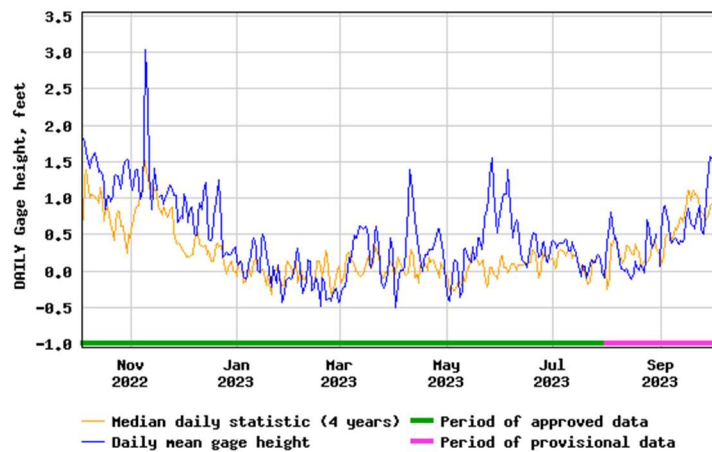
## USGS 301124081395901 ST. JOHNS RIVER BUCKMAN BRIDGE AT JACKSONVILLE, FL

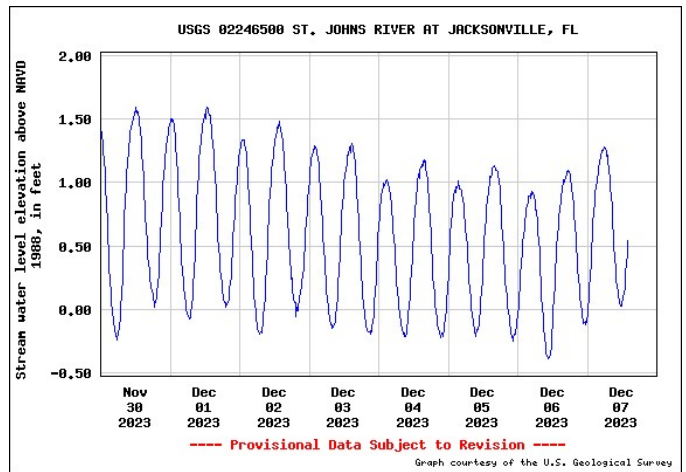
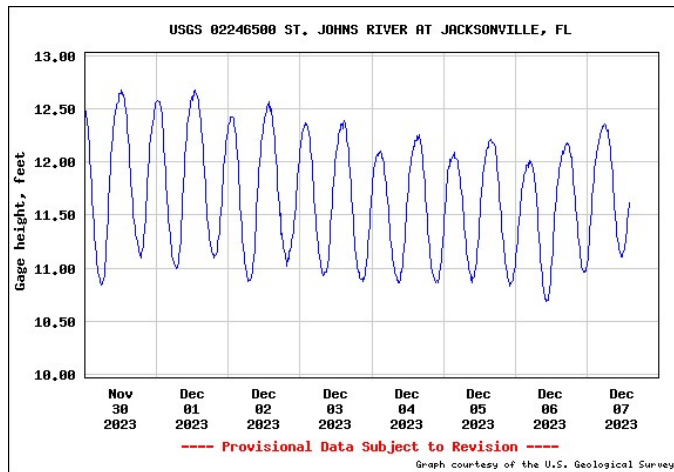
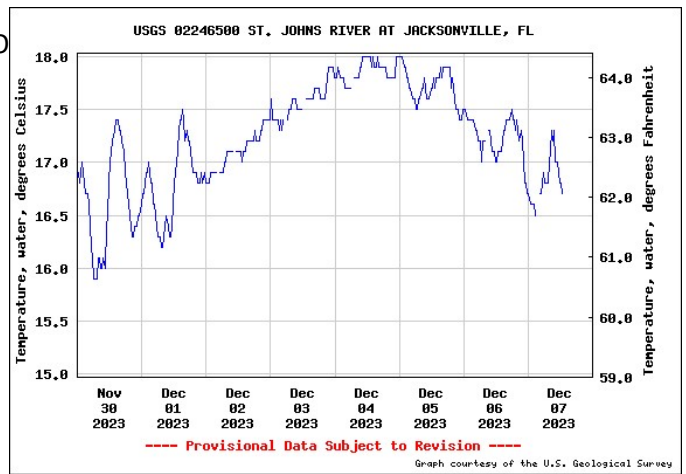
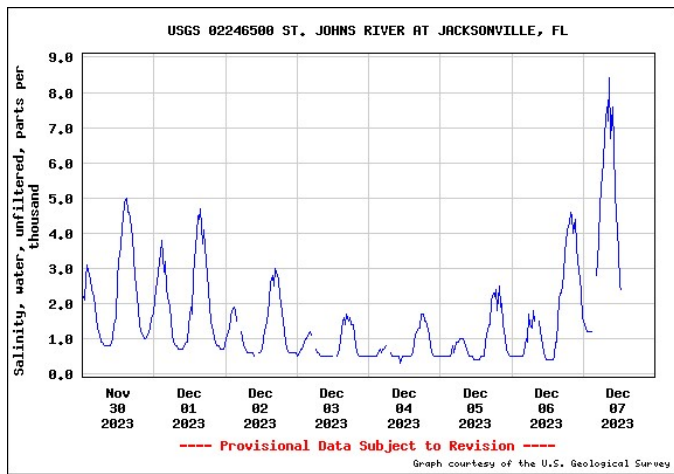


## USGS 301124081395901 ST. JOHNS RIVER BUCKMAN BRIDGE AT JACKSONVILLE, FL



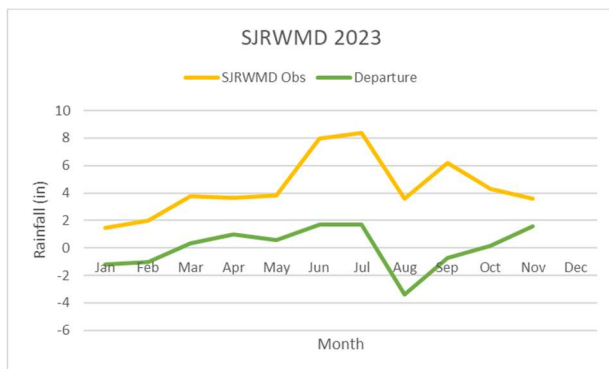
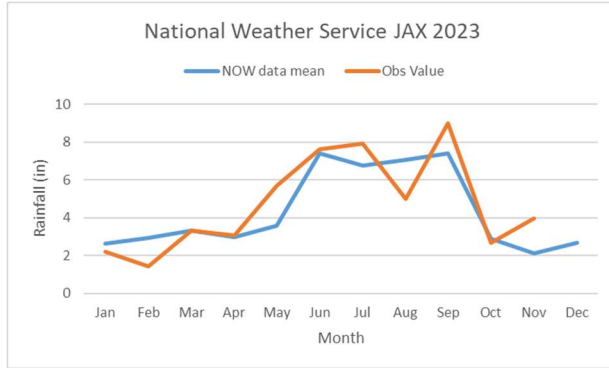
## USGS 301124081395901 ST. JOHNS RIVER BUCKMAN BRIDGE AT JACKSONVILLE, FL





| Rainfall Inches 2023     |               |           |             |           |  |  |            |           |
|--------------------------|---------------|-----------|-------------|-----------|--|--|------------|-----------|
| NOAA Online weather data |               |           | JAX INT     |           |  |  | SJRWMD     |           |
| Month                    | NOW data mean | Obs Value | Obs Jax INT | Departure |  |  | SJRWMD Obs | Departure |
| Jan                      | 2.64          | 2.18      | 2.18        | -1.10     |  |  | 1.48       | -1.2      |
| Feb                      | 2.94          | 1.42      | 1.42        | -1.44     |  |  | 1.99       | -0.999    |
| Mar                      | 3.33          | 3.33      | 3.33        | 0.04      |  |  | 3.763      | 0.353     |
| Apr                      | 2.98          | 3.05      | 3.05        | 0.12      |  |  | 3.625      | 1.015     |
| May                      | 3.56          | 5.68      | 5.68        | 2.26      |  |  | 3.811      | 0.551     |
| Jun                      | 7.4           | 7.63      | 7.63        | 0.03      |  |  | 7.974      | 1.704     |
| Jul                      | 6.77          | 7.93      | 7.93        | 1.16      |  |  | 8.392      | 1.722     |
| Aug                      | 7.05          | 4.98      | 4.98        | -1.9      |  |  | 3.573      | -3.417    |
| Sep                      | 7.38          | 9         | 9           | 1.44      |  |  | 6.186      | -0.744    |
| Oct                      | 2.9           | 2.65      | 2.65        | -1.38     |  |  | 4.29       | 0.16      |
| Nov                      | 2.09          | 3.95      | 3.95        | 1.95      |  |  | 3.57       | 1.59      |
| Dec                      | 2.68          |           | 1.5         | 0.99      |  |  |            |           |
|                          | 51.59         | 51.8      | 53.3        | 2.17      |  |  | 48.65      | 0.74      |

# WATER QUALITY AND MANATEES 12/07/2023 JACKSONVILLE WATERWAYS COMMISSION



## Manatee mortality in Duval Co.

| DUVAL Co.      | 12/7/2023 |     |
|----------------|-----------|-----|
| Cause          | #         | %   |
| Watercraft     | 6         | 38  |
| Perinatal      | 7         | 44  |
| Cold Stress    | 2         | 13  |
| Not necropsied | 1         | 6   |
| Sum            | 16        | 100 |

## Perinatal on 11/17

approx. 25 m SW of 7156 Ramoth Drive.

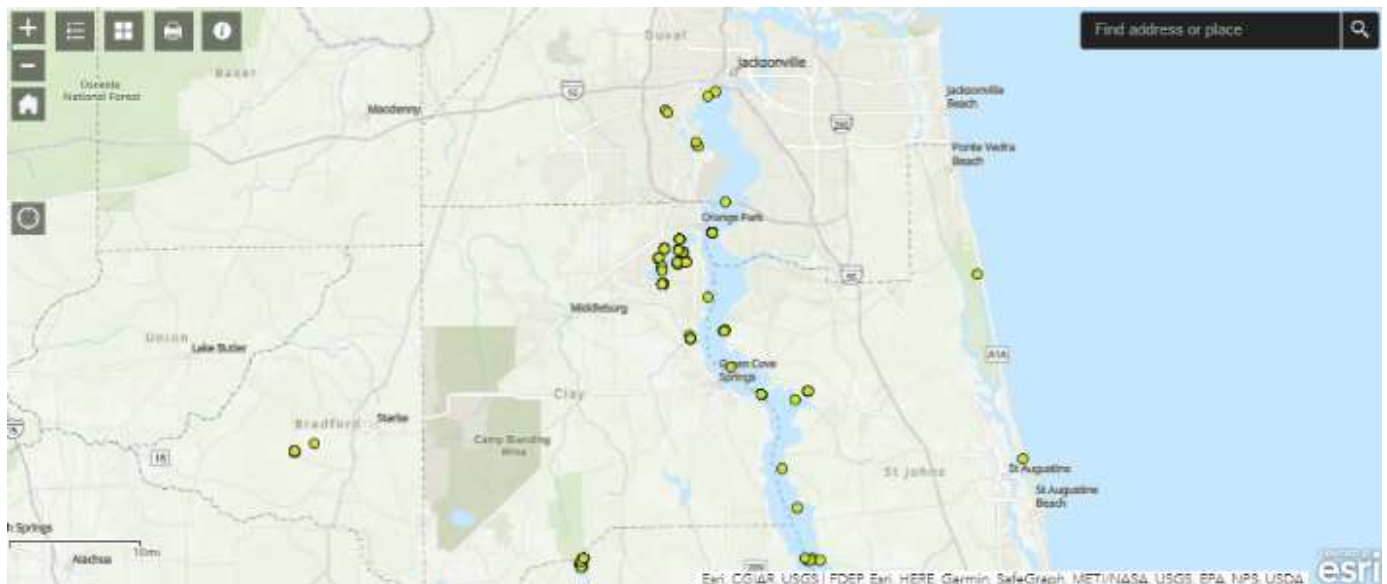
30.393995; -81.492929

SJR/Little Marsh Island

## Manatee mortality in Florida.

| FLORIDA               | 12/7/2023 |     |
|-----------------------|-----------|-----|
| Cause                 | #         | %   |
| Watercraft            | 84        | 17  |
| Perinatal             | 84        | 17  |
| Natural               | 81        | 16  |
| Undetermined          | 39        | 8   |
| Not necropsied.       | 186       | 37  |
| Cold stress           | 11        | 2   |
| Other Human           | 13        | 3   |
| Flood Gate/Canal Lock | 7         | 1   |
| Sum                   | 505       | 100 |

## ALGAE BLOOMS DEP DASHBOARD –NO HABs TO REPORT IN THE AREA LAST 30 DAYS







# Land Use Amendments L-5883-23C Ordinance 2023-824

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*Waterways Commission  
December 14, 2023*





# Adoption Ordinance 2023-824 (L-5883-23C)

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## Public Hearing Dates

Planning Commission – Thursday, January 4, 2024

City Council First Hearing – Wednesday, January 9, 2024

City Council LUZ Committee – Tuesday, January 17, 2024

Final City Council Hearing – Wednesday, January 23, 2024



# L-5883-23C (2023-824)

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✓ **Location**  
8781 US 301  
Highway South

✓ **Size**  
Subject Site: 13.36 Acres  
Wetlands: None

✓ **Sub-Drainage Basin**  
Long Branch

✓ **Drainage Basin**  
Black Creek

✓ **Current Land Use**  
Community/General  
Commercial (CGC)

✓ **Proposed Land Use**  
Light Industrial (LI)



# Ordinance 2023-824 (L-5883-23C)

## Current Development Potential

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### Scenario 1

- CGC: 203,686 sq. ft. commercial space (at 0.35 FAR)

### Scenario 2

- CGC: 200 multi-family DUs in the Rural Development Area)





# Ordinance 2023-824 (L-5883-23C) Proposed Development Potential

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- LI: 232,784 sq. ft. of Light Industrial space (0.40 FAR))



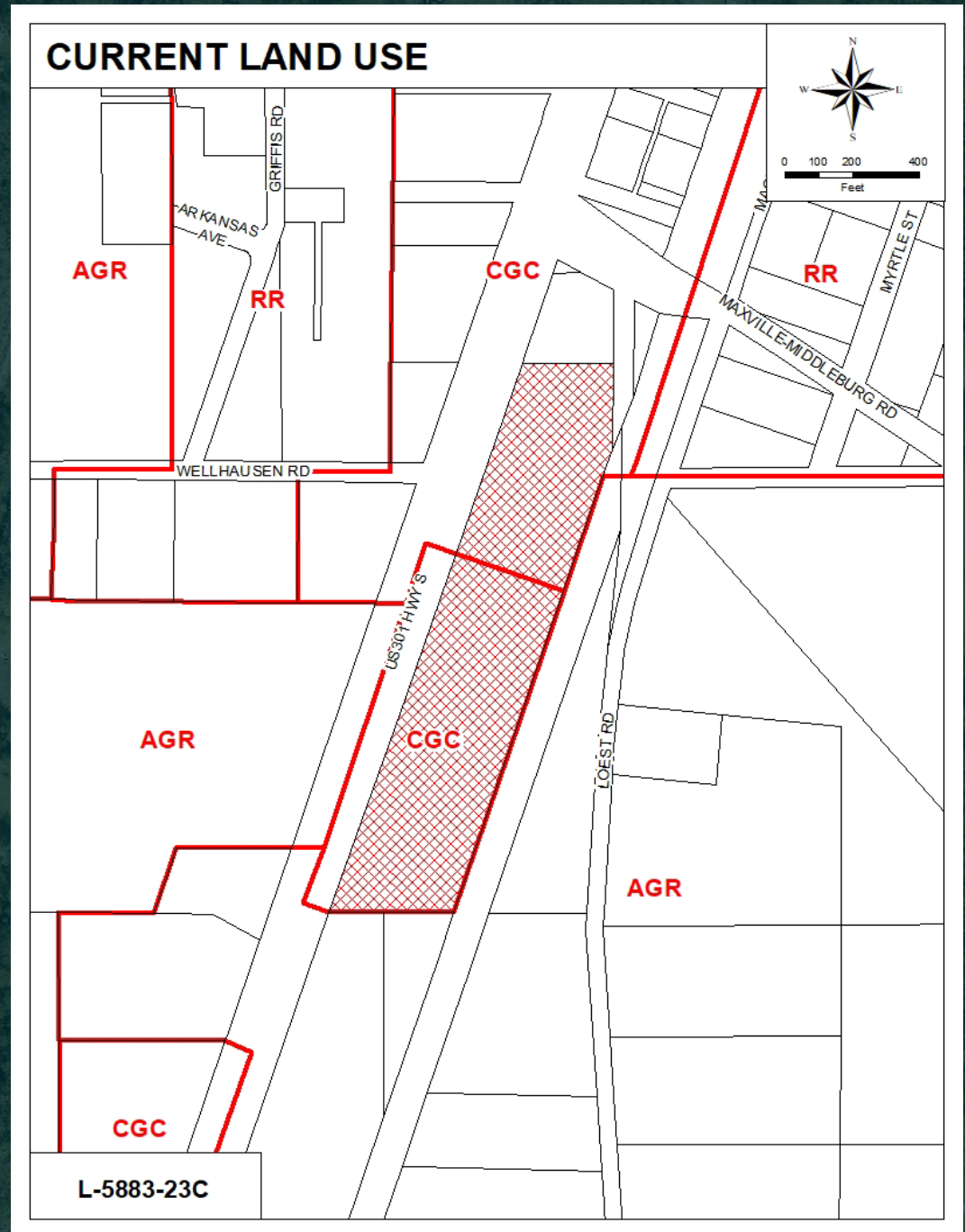
**Land Use Amendment L-5883-23C**  
**Ordinance 2023-824**  
**Land Use Map**

**Proposed Land Use**

*Light Industrial*

**Surrounding Land Use**

*Community/General Commercial, Agriculture,  
and Rural Residential*





# Land Utilization Map





Land Use Amendment  
L-5883-23C  
Ordinance 2023-824

**Aerial Map**

**AERIAL MAP**



L-5883-23C



**Land Use Amendment**  
**L-5883-23C**  
**Ordinance 2023-824**

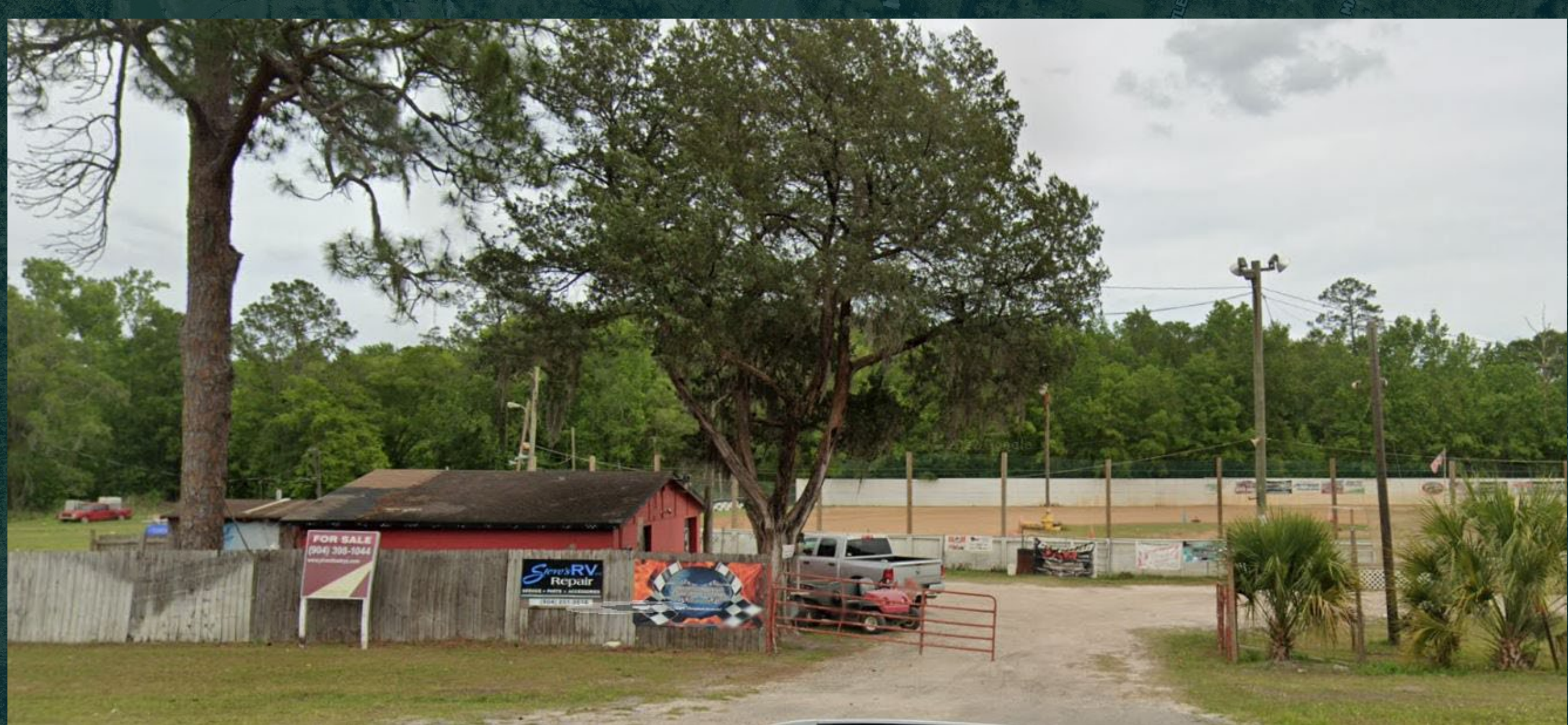
**Photo**  
**Locations of**  
**Application Site**

**Land Use Amendment**  
**L-5883-23C**  
**Ordinance 2023-824**

**Photo**  
**Locations of**  
**Application Site**







**Land Use Amendment L-5883-23C Ordinance 2023-824**  
**Easterly view of Application Site from US 301 Highway South**





**Land Use Amendment L-5883-23C Ordinance 2023-824**  
**Northwesterly view of Long Branch from US 301 Highway South**



**Land Use**  
**Amendment**  
**L-5883-23C**  
**Ordinance 2023-**  
**824**

**Westerly  
view of  
Railroad  
Tracks from  
Loest Road**







**Land Use Amendment L-5883-23C Ordinance 2023-824**  
**Southwesterly view of Long Branch from Loest Road**





**Land Use Amendment L-5883-23C Ordinance 2023-824**  
**Easterly view of Long Branch from Loest Road**



Land Use  
Amendment  
L-5883-23C  
Ordinance 2023-  
824

**Wetlands**  
**Map**

**Wetland**  
**Acreage 0.00**  
**based on City**  
**GIS Data**



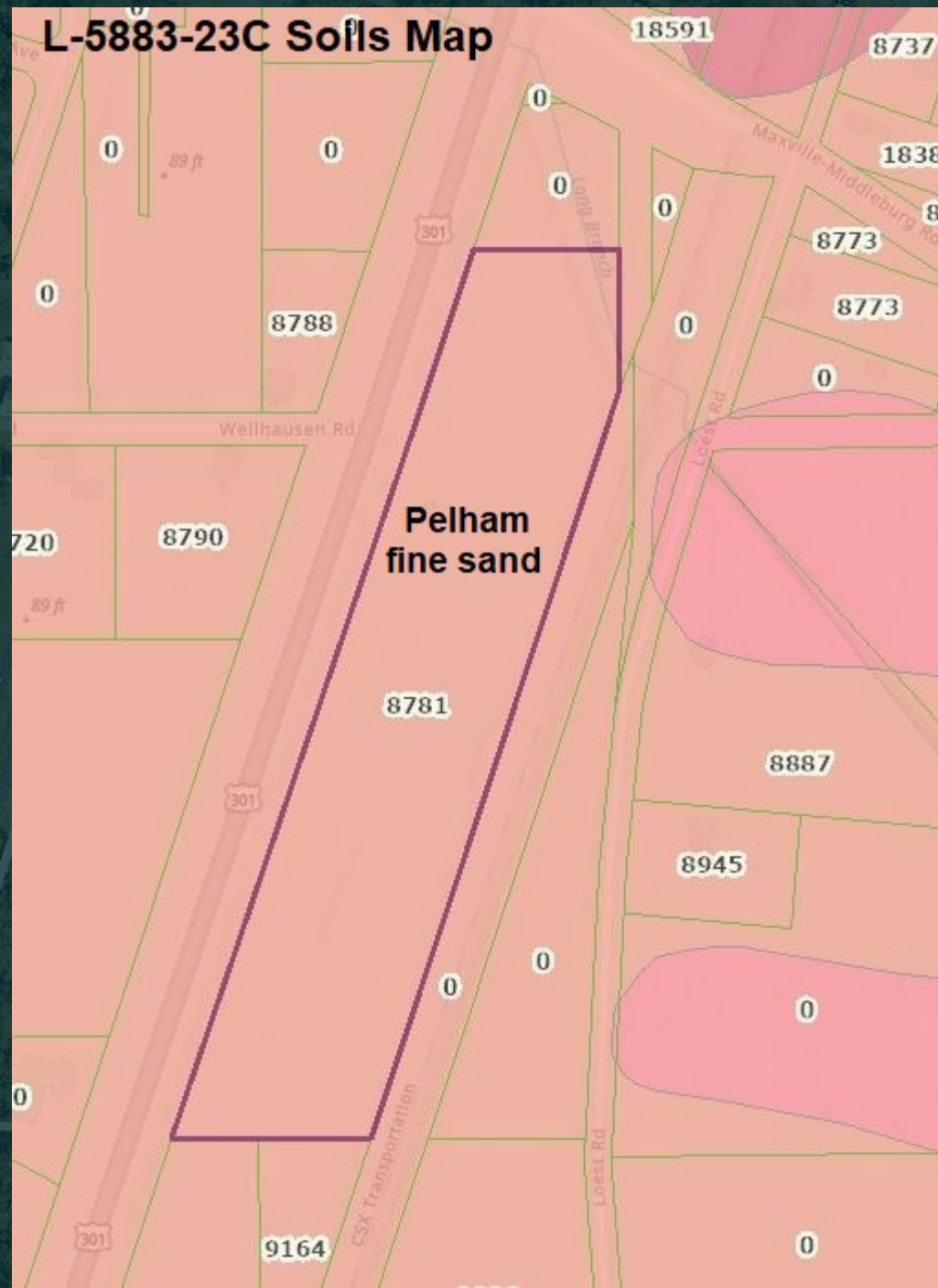


**Land Use**  
**Amendment**  
**L-5883-23C**  
**Ordinance 2023-**  
**824**

**Soils Map**

**Land Use**  
**Amendment**  
**L-5883-23C**  
**Ordinance 2023-**  
**824**

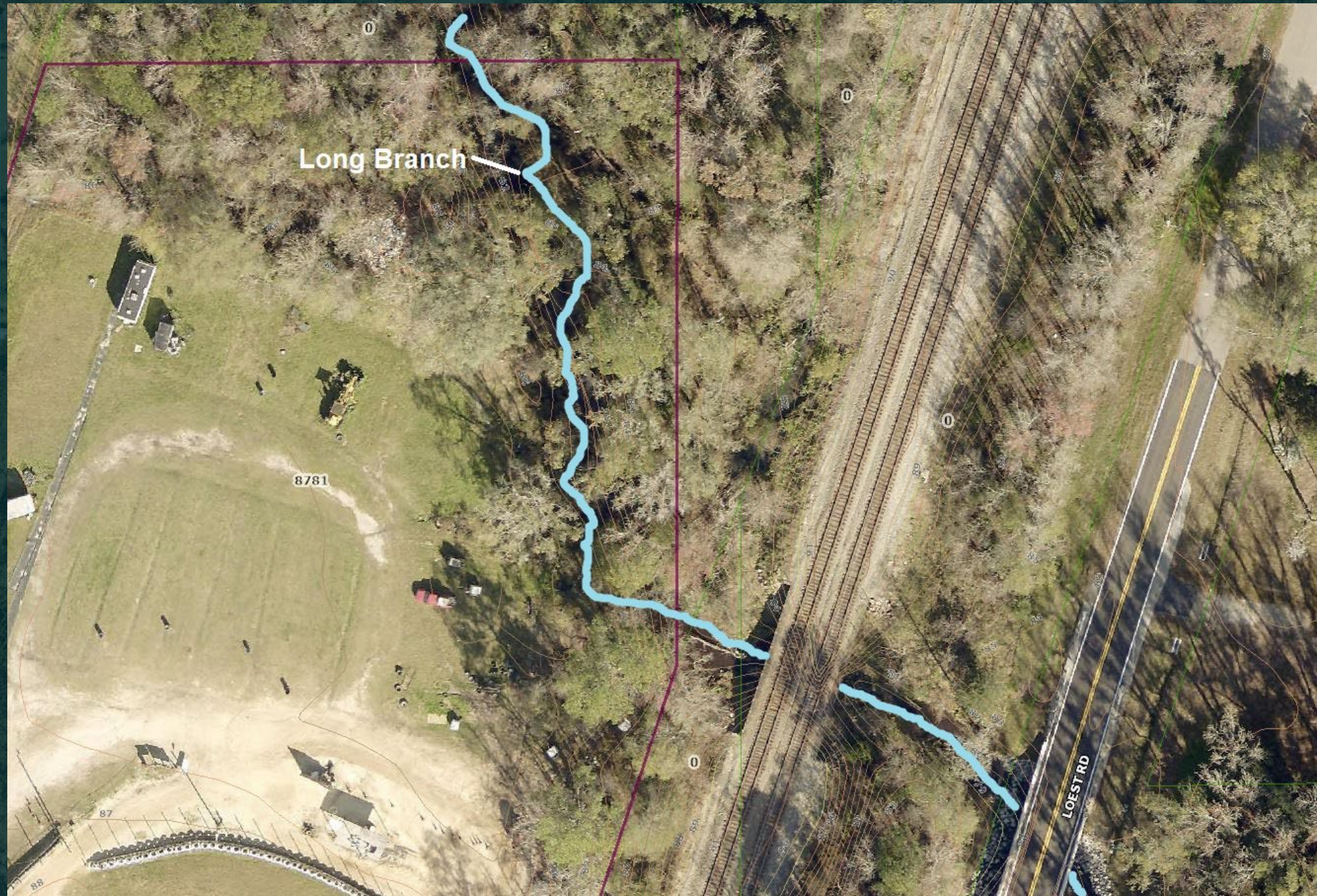
**Soils Map**





**Land Use**  
**Amendment**  
**L-5883-23C**  
**Ordinance 2023-**  
**824**

**Long Branch**





Land Use  
Amendment  
L-5883-23C  
Ordinance 2023-  
824

**FEMA Flood  
Zones Map**

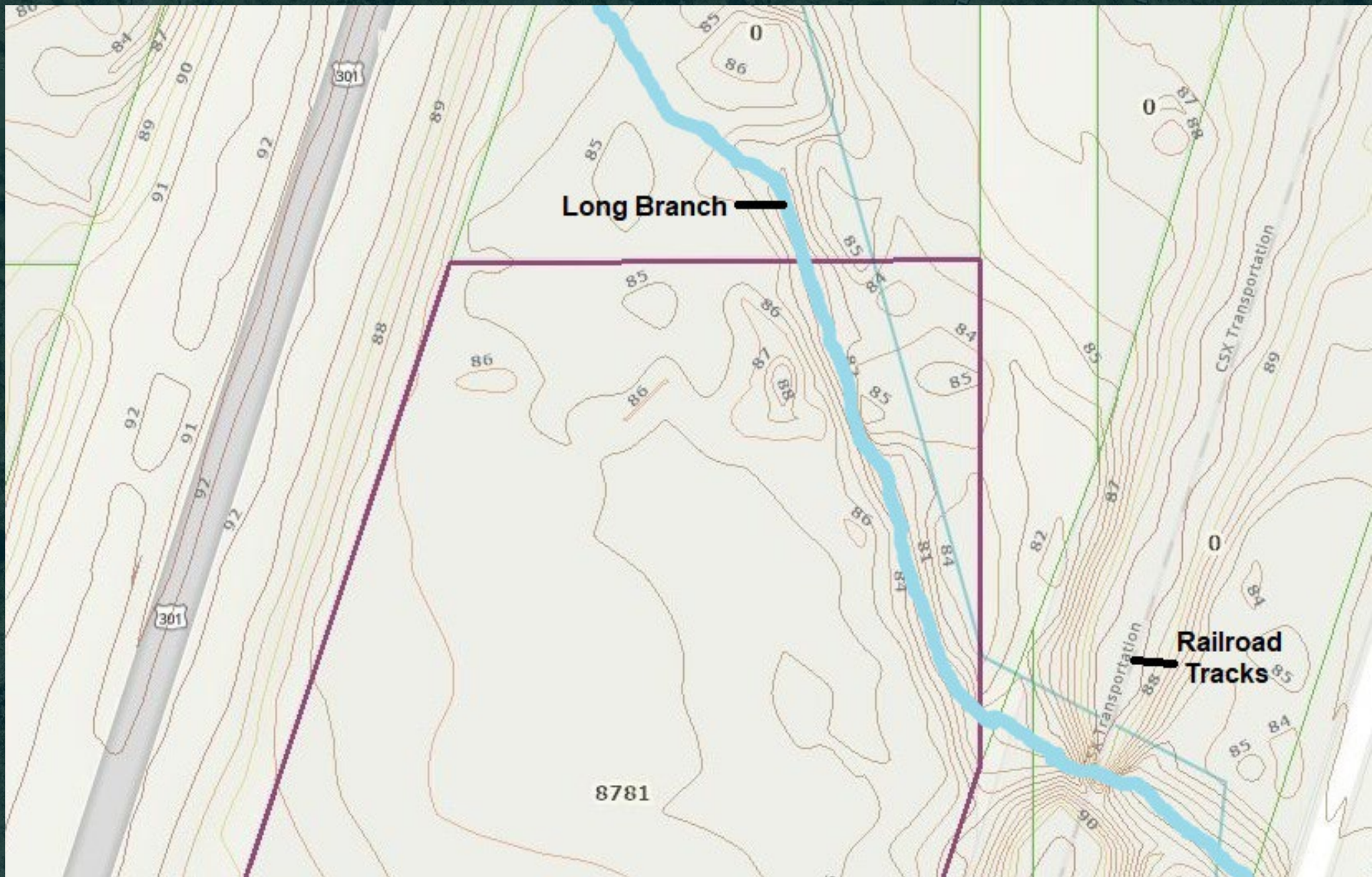
**Flood Zone Acreage**  
**AE-Floodway: 8.31**





**Land Use**  
**Amendment**  
**L-5883-23C**  
**Ordinance**  
**2023-824**

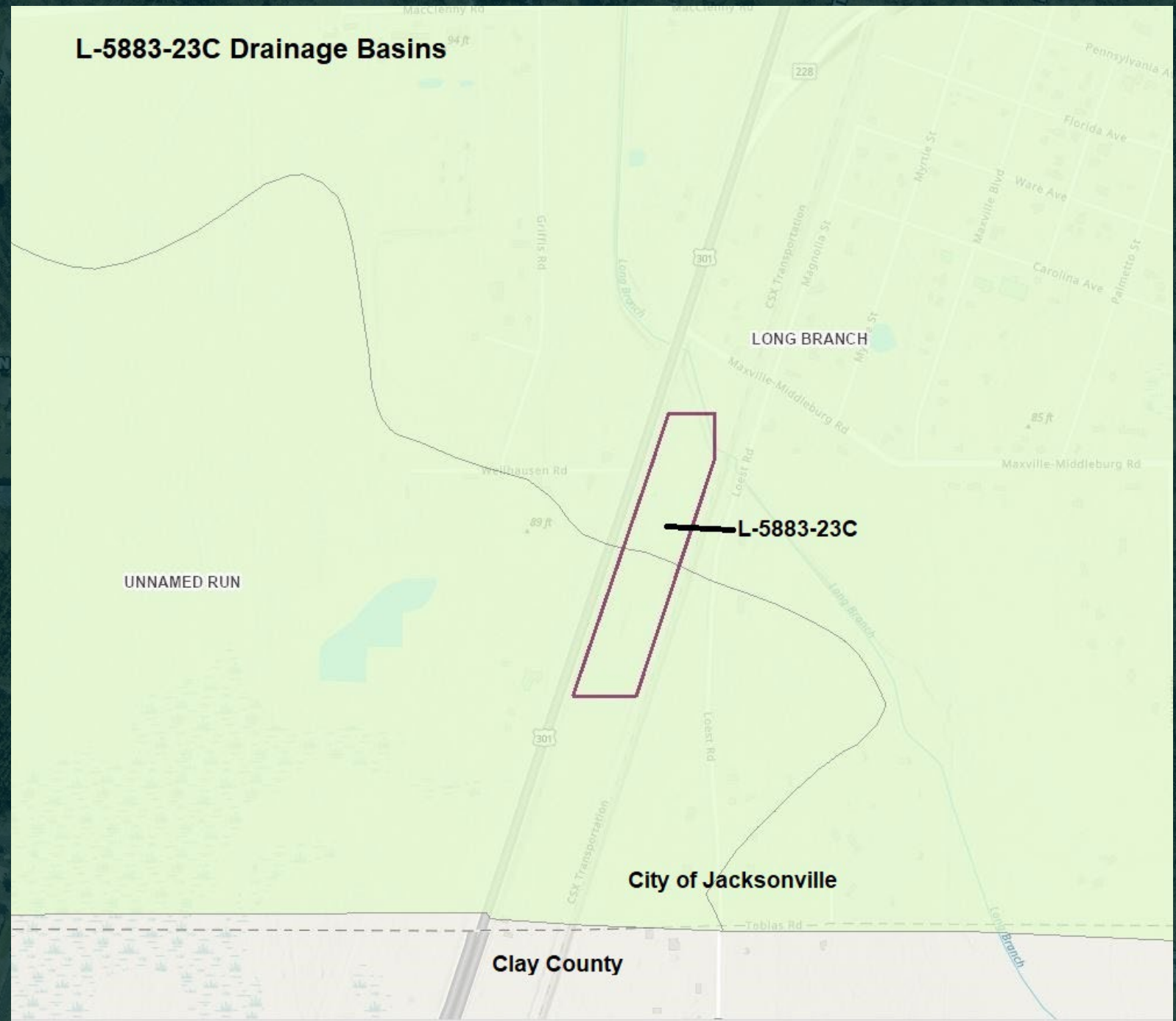
**Elevations**  
**Map**





**Land Use**  
**Amendment**  
**L-5883-23C**  
**Ordinance 2023-**  
**824**

**Drainage**  
**Basins Map**





**Land Use**  
**Amendment**  
**L-5883-23C**  
**Ordinance 2023-**  
**824**

**Drainage**  
**Path Map**  
**Application Site**



**Long Branch**



**North Fork**  
**Black Creek**



**Black Creek**



**St. Johns River**

