

Public Works Monthly Executive Summary May 2024



Street Department

During the month of May, The Street Department has been busy throughout the city. Additional activities included:

- Assisted with the CDBG Stormwater and Sidewalk Improvements.
- Clean storm drains City Wide.
- Setup for traffic control for Food Truck Friday, May 3rd.
- Setup for traffic control for Third Saturday Market in the Park, May 18th.
- Setup for traffic control for Riverfest and prepare the area, May 27th.

The Street Department completed **35** additional work orders that pertained to street and stormwater issues.

Parks Department

During the month of May, the Parks Department mowed, trimmed, and edged all areas one time including the DOT rights-of-way, City Parks, and FCT property. Additional activities included:

- Clean the pool 4 times.
- Prep our Spring Park for Food Truck Friday, May 3rd.
- Prep City Hall for Third Saturday Market in the Park, May 18th.
- Prep Spring Park and City parking lots for the 2024 Annual Riverfest Festival.
- Pressure -washed the pool deck and furniture to prepare for the pool opening May 3rd.

The Parks Department completed **1** additional work order outside of their normal daily work schedules.

Equipment Maintenance

The Equipment Maintenance Shop, as always, works hard to keep the equipment and vehicles going so the city can continue to provide our citizens with the exceptional service they are accustomed to. During the month of May, Levi and John, completed 91 work orders.

Tradesworker

During the month of May **21** work orders were completed.

Solid Waste Department

Cove Life, Litter Cleanup Program & New Services:

- Picked up everything around the rollout cans.
- Picked up as much loose trash, palm fronds, and sticks as possible on the streets, along the R.O.W. and ditches regardless of if it is near a container or not.
- Delivered 8 trash cans and 8 recycle bins to new customers.
- Delivered 2 recycling bins to current customers.
- Repaired 7 trash cans.
- Replaced 35 trash cans.

This month May the city collected:

- **364.34** tons of Class I garbage (8 % increase)
- **3.99** tons of recycling (80% decrease)
- **110.08** tons of yard waste (15% decrease)
- **111.51 tons of Sludge**
- **3.97 Street Sweeping**
- **16.11** tons of white goods and other junk

For comparison during May 2023, the city collected:

- **336.77** tons of Class I garbage
- **19.73** tons of recycling
- **127.36** tons of yard waste
- **104.80 tons of sludge**
- **12.01** tons of white goods and other junk

Water/Wastewater

- W/WW crews/management had personal interaction with several citizens regarding water/sewer issues.
- Contacted all customers on water and irrigation “Highest Users” report that had unusual consumption (not usually on report)
- Staff continues to refine the scope and financials of the consolidated AWWTP, expanded reclaimed water system, wastewater collection system improvements and water system capital improvements to obtain maximum grant potential, optimize loan conditions and minimize impact to customers.
- W/WW/RW Projects;
 - Design of the improvements to the city’s wastewater treatment system (all phases) is complete. In order to maximize grant opportunities, the initial construction phase was split into two pieces, for a total of four phases;
 - Phase I is construction of the on-site reclaimed water system (storage tanks, high service pumps, electrical) at the existing Harbor Road Facility, and rehabilitation of Master Lift Stations #2 and #4. This phase went out to bid in January in two parts – plant reclaimed water improvements & lift station #2 & #4. **Construction was completed in June 2020.** The total Phase I cost is \$6,120,600. Staff received \$4,063,425.00 in “Principal Forgiveness” (grant) from FDEP (SRF).

- New water main and sewer force main extension from Reynolds Park to and across the MOBRO complex. This extension is designed to supply water, fire protection & sewer needs to MOBRO and future developments to the east.
- **Completed September 2021**

South Service Territory Improvements:

- New 12" water main loop from US17 along CR 209 S to the existing 12" water main that terminated at 4600 CR 209 S. This also included a new 4" sewer force main from US 17 along CR 209 S to the First Coast Expressway crossing. **Completed September 2021**
- The City has received grants from the State of Florida Hazard Mitigation Grant Program (HMGP) to install auxiliary generators at 17 sewage lift stations, and install generators / raise infrastructure at four additional stations. The grant funds 75% of the improvements. **Approximately 99% complete**
- Continued remediation of malfunctioning or out-of-service hydrants.
- Operated and maintained the Harbor Rd. and South Wastewater Treatment Plants as well as the Harbor Rd. and Reynolds Water Treatment Plants to meet the requirements of Regulatory Agencies.
- Continued to make process control adjustments at the Harbor Rd. and South WWTP in efforts to further lower Total Nitrogen and Total Phosphorus levels being discharged to the St. Johns River.
- Continued landscape maintenance at Water and Wastewater Treatment Facilities as well as lift stations.
- Continued preventative maintenance on all treatment facility generators.
- Completed 6 new services.
- Completed 68 water-related work orders.
- Completed 12 sewer related work orders.
- Responded to 92 utilities locate requests.

TOP 10 WATER CUSTOMERS MAY 2024

| Largest (By Consumption) | | Largest (By Dollar Amount) | |
|-----------------------------|-------------------------------|-------------------------------|-------------------------------|
| Rank | CONSUMER | Rank | CONSUMER |
| 1 | Sheriff's Department | 1 | Sheriff's Department |
| 2 | Oak Street OPCO LLC | 2 | Oak Street OPCO LLC |
| 3 | Kindred Health | 3 | Kindred Health |
| 4 | Clay County Court House | 4 | Clay County Court House |
| 5 | Springs Coin Laundry | 5 | Clay High |
| 6 | R C Bannerman Learning Center | 6 | Springs Coin Laundry |
| 7 | Garber Realty /Car Wash | 7 | Garber Realty/Car Wash |
| 8 | Premier Surface Design LLC | 8 | Dreh Holdings LLC |
| 9 | Dreh Holdings LLC | 9 | R C Bannerman Learning Center |
| 10 | Vac-con | 10 | Premier Surface Design LLC |

TOP 10 IRRIGATION CUSTOMERS MAY 2024

| Largest (By Consumption) | | Largest (By Dollar Amount) | |
|-----------------------------|--------------------------------|-------------------------------|--------------------------------|
| Rank | CONSUMER | Rank | CONSUMER |
| 1 | Clay County TAX Collection DMV | 1 | Clay County Tax Collection DMV |
| 2 | Magnolia Point Investments | 2 | Magnolia Point Investments |
| 3 | Permabase Building Products | 3 | Permabase Building Products |
| 4 | Magnolia Point Association | 4 | Magnolia Point Association |
| 5 | Green Cove Springs Junior High | 5 | Green Cove Springs Junior High |
| 6 | Sheriff's Department | 6 | Mobro Marine INC |
| 7 | Stephen Williams | 7 | Sheriff's Département |
| 8 | Vallencourt Construction | 8 | Stephen Williams |
| 9 | Mobro Marine INC | 9 | Vallencourt Construction |
| 10 | Orry & Allison Cummings | 10 | Orry & Allison Cummings |

TOP 10 SEWER CUSTOMERS MAY 2024

| Largest (By Consumption) | | Largest (By Dollar Amount) | |
|-----------------------------|-------------------------------|-------------------------------|-------------------------------|
| Rank | CONSUMER | Rank | CONSUMER |
| 1 | St John's Landing | 1 | Sheriff's Department |
| 2 | Sheriff's Department | 2 | St John's Landing |
| 3 | Oak Street OPCO LLC | 3 | Oak Street OPCO LLC |
| 4 | Kindred Health | 4 | Kindred Health |
| 5 | Clay County Court House | 5 | Clay County Court House |
| 6 | Springs Coin Laundry | 6 | Springs Coin Laundry |
| 7 | R C Bannerman Learning Center | 7 | Clay High |
| 8 | Garber Realty/Car Wash | 8 | Dreh Holdings LLC |
| 9 | Premier Surface Design LLC | 9 | R C Bannerman Learning Center |
| 10 | Dreh Holdings LLC | 10 | Garber Realty/Car Wash |

Wastewater Plant Capacity Status

South Plant: TMDL Capacity 0.350 MGD*,

- Current Loading 0.278 MGD*, 78% Capacity (April 2023 Annual Average)
- Current & Committed (.065) Loading 0.343 MGD*, 97% Capacity
- Current, Committed (.065) & Requested (0.05) Loading 0.348 MGD*, 98% Capacity

Harbor Road: TMDL Capacity 0.650 MGD*

- Current Loading 0.519 MGD*, 79% Capacity (April 2023 Annual Average)
- Current & Committed (0) Loading 0.519 MGD*, 79% Capacity
- Current, Committed & Requested (0) Loading 0.519 MGD*, 79% Capacity

*MGD = Million Gallons per Day

Note: No Reynolds growth or loading projections included in above.