



# LOXAHATCHEE RIVER DISTRICT

2500 JUPITER PARK DRIVE, JUPITER, FLORIDA 33458

TEL: (561) 747-5700

FAX: (561) 747-9929

D. Albrey Arrington, Ph.D. EXECUTIVE DIRECTOR

[loxahatcheeriver.org](http://loxahatcheeriver.org)

## AGENDA


### REGULAR MEETING #15 -2022

**NOVEMBER 17, 2022 – 7:00 PM AT DISTRICT OFFICES**

ALSO, THE MEETING WILL BE AVAILABLE TO THE PUBLIC ONLINE AT:  
[LOXAHATCHEERIVER.ORG/PUBLICMEETING](http://LOXAHATCHEERIVER.ORG/PUBLICMEETING)

1. Call to Order & Pledge of Allegiance
2. Administrative Matters
  - A. Roll Call
  - B. Previous Meeting Minutes [Page 3](#)
  - C. Additions and Deletions to the Agenda
3. Comments from the Public
4. Status Updates
  - A. Loxahatchee River Watershed [Page 8](#)
  - B. Loxahatchee River District Dashboard [Page 9](#)
5. Consent Agenda (see next page) [Page 10](#)
6. Regular Agenda
  - A. Consent Agenda Items Pulled for Discussion
  - B. FY23 Main Lining – Piggyback Contract [Page 21](#)
  - C. FY23 Lateral Lining – Piggyback Contract [Page 35](#)
  - D. Bureau of Land Management – Weather Bureau [Page 42](#)
  - E. Busch Wildlife Sanctuary – license agreement extension [Page 47](#)
7. Reports (see next page) Pulled for Discussion
8. Future Business [Page 110](#)
9. Board Comments
10. Adjournment

“...if a person decides to appeal any decision made by the Board, with respect to any matter considered at such meeting or hearing, he/she will need a record of the proceedings, and that, for such purpose, he/she may need to ensure that a verbatim record of the proceedings is made, which record includes the testimony and evidence upon which the appeal is to be based.”

Submitted by:   
Date: November 7, 2022

**James D. Snyder**  
CHAIRMAN

**Gordon M. Boggie**  
BOARD MEMBER

**Stephen B. Rockoff**  
BOARD MEMBER

**Dr. Matt H. Rostock**  
BOARD MEMBER

## 5. CONSENT AGENDA

All items listed in this portion of the agenda are considered routine and will be enacted by one motion. There will be no separate discussion of these items unless requested by a Board member or citizen; in which event, the item will be removed and considered under the regular agenda.

- A. Jupiter Gardens Apartments – to approve partial release of easement [Page 11](#)
- B. 2023 Public Meeting Annual Schedule – to approve schedule of meetings [Page 16](#)
- C. Fixed Asset Disposal – to approve disposal [Page 17](#)
- D. Change Orders to Current Contracts – IQ511 Pump Station Piping Modifications/N20036: Additional Professional Engineering Services During Construction [Page 18](#)

## 7. REPORTS

- A. Neighborhood Sewering [Page 54](#)
- B. Legal Counsel's Report [Page 56](#)
- C. Engineer's Report [Page 60](#)
- D. Busch Wildlife Sanctuary [Page 69](#)
- E. Director's Report [Page 70](#)



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## MEMORANDUM

TO: Governing Board  
FROM: Recording Secretary  
DATE: November 11, 2022  
RE: Approval of Meeting Minutes

Attached herewith are the minutes of the Regular Meeting of October 20, 2022. As such, the following motion is presented for your consideration:

**“THAT THE GOVERNING BOARD approve the minutes of the Regular Meeting of October 20, 2022 as submitted.”**

James D. Snyder  
CHAIRMAN

Gordon M. Boggie  
BOARD MEMBER

Stephen B. Rockoff  
BOARD MEMBER

Dr. Matt H. Rostock  
BOARD MEMBER

LOXAHATCHEE RIVER ENVIRONMENTAL CONTROL DISTRICT  
REGULAR MEETING - MINUTES  
OCTOBER 20, 2022

1. CALL TO ORDER

Chairman Snyder called the Regular Meeting of October 20, 2022 to order at 7:00 PM.

2. ADMINISTRATIVE MATTERS

A. ROLL CALL

The following Board Members were in attendance:

Mr. Snyder  
Mr. Boggie  
Mr. Rockoff  
Dr. Rostock

Staff Members in attendance were Dr. Arrington, Mr. Dean, Mr. Howard, Ms. Fraraccio, Mr. Pugsley, Ms. Marshall and Mr. Novak

Consultants in attendance were Mr. Curtis Shenkman and Mr. Hunter Shenkman from Shenkman Law, Rebecca Travis from Baxter & Woodman, Thomas Jensen from Kimley-Horn, Marc Rodriguez from Gehring Group and Lisa Wynne from Busch Wildlife Sanctuary.

Board Member candidates Ms. Mary Ann Hartman, Mr. Clinton Yerkes and Mr. Conrad Damon were in attendance and Mr. Kevin Baker attended the meeting electronically.

B. PREVIOUS MEETING MINUTES

“THAT THE GOVERNING BOARD approve the minutes of the September 15, 2022 Public Hearings and Regular Meeting as submitted.”

MOTION: Made by Mr. Boggie, Seconded by Mr. Rockoff,  
Passed Unanimously.

C. ADDITIONS & DELETIONS TO THE AGENDA

3. COMMENTS FROM THE PUBLIC

No comments from the public were received.

#### 4. STATUS UPDATES

##### A. LOXAHATCHEE WATERSHED STATUS

Mr. Novack presented on Field Emergency Response Preparedness & Planning. He gave a thorough overview of the planning, preparation, training, and cross-training that goes into the District's wastewater collection and transmission system emergency (hurricane) response efforts.

##### B. LOXAHATCHEE RIVER DISTRICT DASHBOARD

Dr. Arrington reviewed the District Dashboard.

#### 5. CONSENT AGENDA

MOTION: Made by Mr. Rockoff, Seconded by Mr. Rostock,  
Passed unanimously.

“THAT THE GOVERNING BOARD approve the Consent Agenda of October 20, 2022 as presented.”

The following motions were approved as a result of the Board's adoption of the Consent Agenda:

- A. Reauthorization of Annual Purchase Order for Odor and Control Chemicals and Services (Evoqua)  
– to approve purchase order

“THAT THE DISTRICT GOVERNING BOARD authorize the Executive Director to execute a revised purchase order to Evoqua Water Technologies, Inc. for the continued supply of odor and corrosion control chemicals and services, in accordance with a “piggy-back” of Lee County contract for the period from October 1, 2022 through May 13, 2023, in an amount Not-to-Exceed \$265,000.00, an increase of \$91,000.00 above the initial authorization”.

- B. Wastewater and Reclaimed Water General Construction Services / 20-007-WWREGENCONSTR  
– to approve contract extension

“THAT THE DISTRICT GOVERNING BOARD authorize the Executive Director to execute an extension of the contract ITB # 20-007-WWREGENCONSTR with Hinterland Group, Inc. to October 31, 2023 for a total contract amount not to exceed \$500,000.00.”

- C. Greenhouse Gas Initiatives - to approve contract

“THAT THE DISTRICT GOVERNING BOARD authorize work authorization 2022-8 with Holtz Consulting Engineers in the amount of \$124,220.00.”

D. Girl Scout Partnership Agreement – to approve agreement

“THAT THE DISTRICT GOVERNING BOARD authorize the Executive Director to execute the Partnership Agreement with the Girl Scouts of Southeast Florida, Inc. for 2022-2023.”

E. Fixed Asset Disposal – to approve disposal

“THAT THE GOVERNING BOARD authorize the Executive Director to dispose of tangible personal property fixed asset numbers PE0065 and PE58 and either donate them to Lee County, or another west coast government-owned utility, or sell via auction and dispose of tangible personal property fixed asset numbers PE48 and CTLS0230 in accordance with the District’s Disposal of Surplus Tangible Personal Property Policy.”

F. Change Orders to Current Contracts – to approve modifications

No change orders were presented

6. REGULAR AGENDA

A. CONSENT AGENDA ITEMS PULLED FOR DISCUSSION

B. Lift Station Control Panel & Telemetry Installation – Professional Engineering Services

“THAT THE DISTRICT GOVERNING BOARD authorize the Executive Director to enter into a Professional Engineering Services contract with Baxter and Woodman, Inc. for Lift Station Control Panel and Telemetry Upgrades in the amount of \$565,055.00 and a contingency in the amount of \$28,253.00”

MOTION: Made by Mr. Boggie, Seconded by Mr. Rostock  
Passed unanimously.

C. County Line Road Bridge Utility Relocations – Professional Engineering Services

“THAT THE DISTRICT GOVERNING BOARD authorize the Executive Director to enter into the Professional Engineering Services contract with Kimley-Horn for the County Line Road IQ Main Relocation in the amount of \$194,531.00 and a contingency of \$10,000.00.”

MOTION: Made by Mr. Rockoff, Seconded by Mr. Rostock,  
Passed unanimously.

D. Employment Health Insurance

“THAT THE DISTRICT GOVERNING BOARD authorize the Executive Director, upon receipt of a written Cigna renewal quote not to exceed an 18% rate increase and with an effective date

of January 1, 2023, to enter into contract with Cigna for their level funded OAP Plan health insurance policy, and renew our Humana Vision 130 voluntary vision insurance policy.”

MOTION: Made by Mr. Rostock, Seconded by Mr. Rockoff,  
Passed unanimously.

## 7. REPORTS

The following reports stood as written.

A. NEIGHBORHOOD SEWERING

B. LEGAL COUNSEL’S REPORT

C. ENGINEER’S REPORTS

D. BUSCH WILDLIFE SANCTUARY

E. DIRECTOR’S REPORT

## 8. FUTURE BUSINESS

Dr. Arrington reviewed Future Business.

## 9. COMMENTS FROM THE BOARD

Mr. Boggie presented his draft letter to the Town of Jupiter Town Council regarding LRECD’s position on renewal of the Nanofiltration Concentrate interlocal agreement.

## 10. ADJOURNMENT

MOTION: Made by Mr. Rockoff, Seconded by Mr. Rostock,  
Passed Unanimously.

“That the Regular Meeting of October 20, 2022 adjourns at 8:13 PM.”

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BOARD CHAIRMAN

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BOARD SECRETARY

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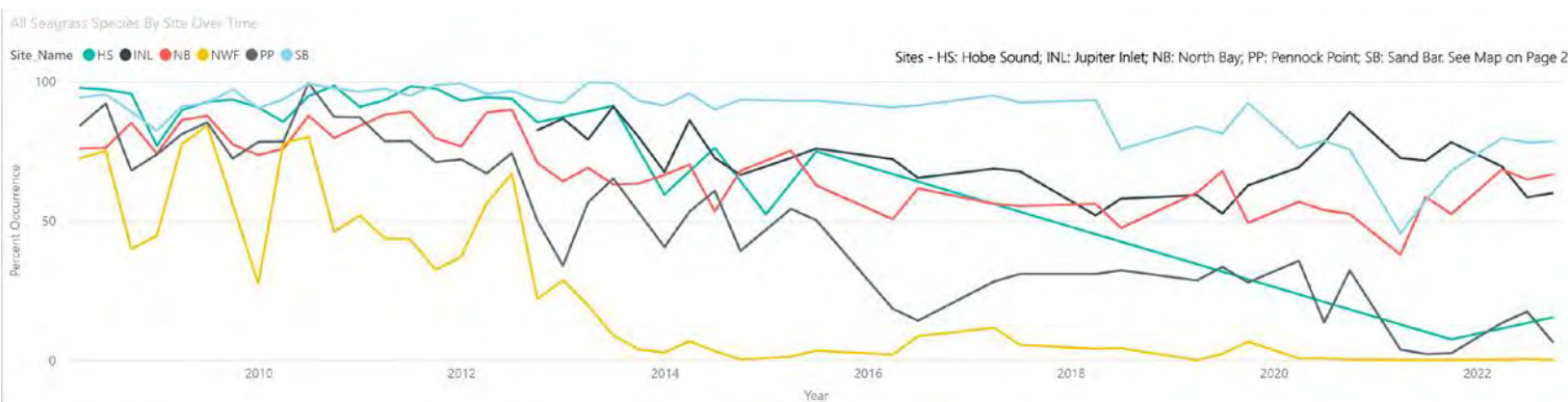
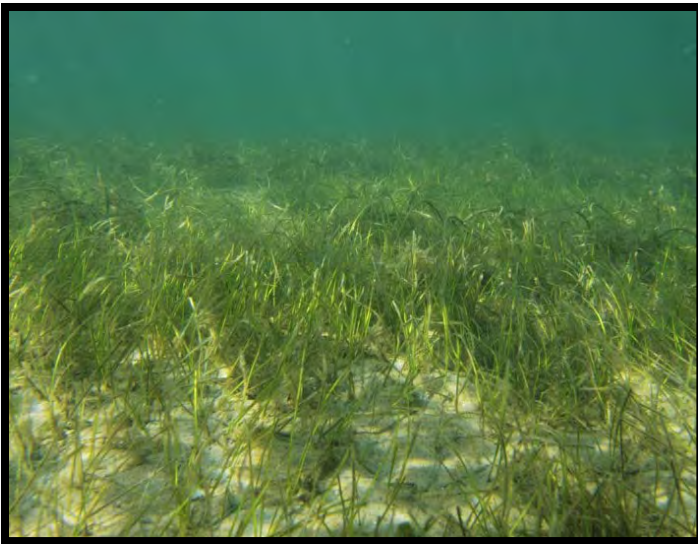
RECORDING SECRETARY





## Loxahatchee River Watershed Status Seagrass Monitoring Update

This Summer, the Lab Team was busy conducting two seagrass monitoring projects – the “Landscape-scale” assessment of the entire estuary conducted every four years, and the ongoing “Patch-scale” monitoring of several sites during the summer months. At our meeting we will provide a summary of some of the interesting findings from this remarkable effort.





# LOXAHATCHEE RIVER DISTRICT'S EXECUTIVE DASHBOARD



		Stewardship	Pre-Treatment	Collection & Transmission		Wastewater Treatment			Reclaimed Water	EHS	General Business					River Health		
		# People educated at RC	Grease Interceptor Inspections	Customer Service	Unauthorized Discharge of Sewage	Mean Daily Incoming Flow	Permit exceedance	NANO Blend to Reuse (@ 511)	Delivery of Reclaimed Water	Employee Safety	Cash Available	Revenue (excluding assessment & capital contrib.)	Operating Expenses	Capital Projects		Minimum Flow Compliance	Salinity @ NB seagrass beds	River Water Quality
Units		% of Target	% requiring pump out	# blockages with damage in home	Gallons; # impacting surface waters	million gallons/day	# occurrences	Max Specific Conductance (umhos/cm)	# days demand not met	# of OSHA recordable injuries	\$	% of Budget	% of Budget	% within budget	average # days ahead (behind) schedule	# Days MFL Violation	‰	Fecal Coliform Bacteria (cfu/100ml)
Green Level		≥ 90%	≤ 15	Zero	<704; 0	< 7.7	Zero	<1542	<2	Zero	≥ \$9,894,657	≥ 95%	≥ 85% but ≤ 105%	≥80%	≥ (30)	0	min ≥ 20 ‰	≤ 1 site > 200
Yellow		< 90%	≤ 25	1	≤1,500; 0	< 8.8	1	≤1875	≥ 2	-	< \$9,894,657	≥ 90%	≥ 80%	≥60%	< (30)	1	min ≥ 10 ‰	≤ 3 sites >200
Red		<75%	> 25	≥ 2	>1,500; ≥1	≥ 8.8	≥ 2	>1875	≥ 9	≥ 1	< \$5,557,057	< 90%	< 80% or > 105%	< 60%	< (60)	≥ 2	min < 10 ‰	≥ 4 sites > 200
2019 Baseline		100%	9	1	8,022	6.8	0	1,229	1	0.3	\$ 35,137,006	100%	89%	95%		2	22.9	1
2020 Baseline		34%	8	0	3,292	7.2	0	1,183	1	0.3	\$ 35,350,661	100%	90%	91%	-15	7	14.6	2
2021 Baseline		113%	16	0.3	1,130	7.1	0	1,294	2	0.2	\$ 40,651,532	97%	89%	79%	-34	0	24.3	3
2021	Oct	77%	18	0	1,050; 1	7.0	0	1,221	0	0	\$ 40,516,049	94%	100%	79%	(55)	0	19.3	6
	Nov	75%	12	0	565; 0	7.4	0	1,164	0	1	\$ 42,924,083	97%	91%	81%	(49)	0	9.9	3
	Dec	67%	12	0	1,500; 0	7.3	0	1,021	0	0	\$ 42,827,478	106%	98%	78%	(55)	0	18.6	0
2022	Jan	65%	16	0	25; 0	7.3	0	1,154	0	0	\$ 42,677,604	103%	95%	77%	(42)	0	27.9	4
	Feb	79%	8	0	225; 0	7.3	0	1,383	0	0	\$ 44,675,863	101%	94%	80%	(54)	0	30.2	3
	Mar	91%	12	0	241; 0	7.2	0	1,384	0	0	\$ 44,151,634	100%	93%	80%	(59)	0	24.0	2
	Apr	104%	22	1	217; 0	7.1	0	1,296	0	0	\$ 44,230,248	103%	93%	83%	(62)	0	29.3	4
	May	55%	13	0	13; 0	6.5	0	1,312	1	0	\$ 46,067,857	102%	92%	81%	(39)	16	31.8	2
	June	86%	14	0	17; 0	6.6	0	1,249	1	0	\$ 44,902,557	101%	91%	81%	(36)	0	20.6	4
	July	95%	8	0	310; 0	6.2	0	1,245	7	0	\$ 44,247,503	102%	93%	81%	(52)	0	26.9	4
	Aug	88%	10	0	45; 0	6.3	0	1,275	4	0	\$ 45,392,935	101%	92%	84%	(69)	0	32.2	3
	Sept	77%	10	0	11; 0	6.4	0	1,207	13	0	\$ 43,373,290	92%	92%	84%	(87)	0	5.0	4
	Oct	delayed	13	0	120; 0	6.9	0	1,101	delayed	0	\$ 43,464,126	97%	84%	86%	(34)	0	13.8	3
Consecutive Months at Green		0	6	6	10	161	18	15	0	11	157	12	0	9	0	5	0	0
Metric Owner		O'Neill	Pugsley	Dean	Dean	Pugsley	Pugsley	Pugsley	Dean	Horchar	Fraraccio	Fraraccio	Fraraccio	Dean	Dean	Howard	Howard	Howard

**Metric**

Stewardship  
Reclaimed Water  
  
Capital Projects (time)  
  
Salinity @ North Bay  
River Water Quality

**Explanation**

This information was not available when the notebook was published due to Subtropical Storm Nicole.  
This information was not available when the notebook was published due to Subtropical Storm Nicole.  
Staff processed a time extension for the following projects: (1) Conceptual Master Planning for the 20 Acres – to account for time expended determining the ultimate site layout and building configuration; (2) 2500 Jupiter Park Drive Site Planning – due to additional effort to adequately address security report, ultimate WWTF sizing, massing study, and land use; (3) Rolling Hills Gravity Sewer System – due to supply chain delays with the lift station control panel; (4) Permanent Generator at Headworks – due to supply chain delays with transfer switches; (5) Injection Well Manual Transfer Switch Addition – due to supply chain delays with transfer switches. Additional details are available in Kris' report.  
High freshwater flows at the beginning of the month, left over from Hurricane Ian, pushed salinities lower than desired in downstream portions of the estuary. See Bud's report for more detailed information.  
High fecal coliform bacteria (>200 cfu/100 ml) were observed at Stations 72 (SW Fork @ Lox River Rd brigde), 95 (Jupiter Farms), and 100 (NW Fork @ Cypress Creek mouth). See Bud's report for additional details.



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D. Albrey Arrington, Ph.D. EXECUTIVE DIRECTOR

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## MEMORANDUM

TO: Governing Board  
FROM: Administration Staff  
DATE: November 17, 2022  
SUBJECT: Consent Agenda

All items listed below are considered routine and will be enacted by one motion. There will be no separate discussion of these items unless requested by a Board Member or citizen, in which event, the item will be removed and considered under the regular agenda.

This month's consent agenda consists of the following items:

- A. Jupiter Gardens Apartments – to approve partial release of easement
- B. 2023 Public Meeting Annual Schedule – to approve schedule of meetings
- C. Fixed Asset Disposal – to approve disposal
- D. Change Orders to Current Contracts – IQ511 Pump Station Piping Modifications/N20036:  
Additional Professional Engineering Services During Construction

Should you have any questions regarding these items, I would be pleased to discuss them further with you.

The following Motion is provided for Board consideration:

**“THAT THE GOVERNING BOARD approve the Consent Agenda of November 17, 2022 as presented.”**

Signed  
D. Albrey Arrington, Ph.D.  
Executive Director

James D. Snyder  
CHAIRMAN

Gordon M. Boggie  
BOARD MEMBER

Stephen B. Rockoff  
BOARD MEMBER

Dr. Matt H. Rostock  
BOARD MEMBER



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## MEMORANDUM

TO: D. Albrey Arrington, Ph.D. Executive Director

FROM: Kris Dean, P.E. Deputy Executive Director/Director of Engineering Services

DATE: November 9, 2022

SUBJECT: Partial Release of Easement: Jupiter Gardens Apartments

The District currently has an easement at Jupiter Gardens Apartments. This is a blanket easement over the property. A replat is being proposed with notation that additional road right-of-way be dedicated to Palm Beach County. As part of the dedication, Palm Beach County requires a partial release of the easement located within the proposed right-of-way.

The Partial Release of Easement, which has been reviewed and found to be legally sufficient by Mr. Shenkman, is attached.

Staff recommend the following motion.

**“THAT THE DISTRICT GOVERNING BOARD authorize the Executive Director to execute the Partial Release of Easement.”**

James D. Snyder  
CHAIRMAN

Gordon M. Boggie  
BOARD MEMBER

Stephen B. Rockoff  
BOARD MEMBER

Dr. Matt H. Rostock  
BOARD MEMBER

PREPARED BY  
AND RETURN TO:  
THE LAW OFFICE OF PAUL A. KRASKER, P.A.  
1615 FORUM PLACE, 5<sup>TH</sup> FLOOR  
WEST PALM BEACH, FLORIDA 33401

**PARTIAL RELEASE OF EASEMENT**

For and in consideration of Ten and no/100 Dollars to LOXAHATCHEE RIVER ENVIRONMENTAL CONTROL DISTRICT of the Counties of Palm Beach and Martin, and State of Florida ("Loxahatchee River District"), in hand this day paid, the receipt of which is hereby acknowledged, Loxahatchee River District hereby releases that portion of the property hereinafter described from that certain Grant of Easement filed in the Office of the Clerk of the Circuit Court of Palm Beach County, Florida, on November 19, 1985, recorded in O. R. Book 5203, Page 613, Loxahatchee River District hereby declares said Grant of Easement is released, only as it relates to the real property legally described as follows:

**SEE EXHIBIT "A" ATTACHED HERETO AND MADE A PART HEREOF.**

WITNESS my hand and seal this \_\_\_\_ day of \_\_\_\_\_, 2022.

Loxahatchee River Environmental Control District

By: \_\_\_\_\_  
Print Name: \_\_\_\_\_  
Title: \_\_\_\_\_

STATE OF FLORIDA

COUNTY OF PALM BEACH

The foregoing Partial Release of Lien was sworn to and acknowledged before me by [X] physical presence or by [ ] online notarization, this \_\_\_\_ day of \_\_\_\_\_, 2022, by \_\_\_\_\_ who is the \_\_\_\_\_ of Loxahatchee River Environmental Control District, who is personally known to me or who produced \_\_\_\_\_ as identification. Witness my hand and seal the day and year first written above.

\_\_\_\_\_  
NOTARY PUBLIC, State of FLORIDA  
My Commission Expires:



**NOTE:**

THIS DESCRIPTION SKETCH CONSISTS OF  
3 SHEETS AND IS NOT VALID WITHOUT ALL  
3 SHEETS FORMING A COMPLETE SET.

**EXHIBIT "A"**

SECTION 3, TOWNSHIP 41 SOUTH, RANGE 42 EAST

**NOTES:**

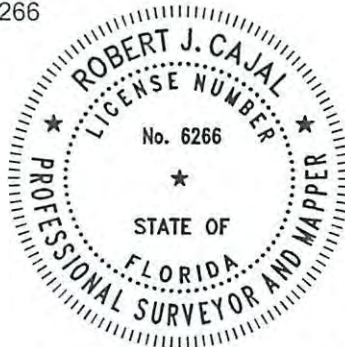
1. ALL INFORMATION REGARDING THE PARCEL DESCRIPTION, RECORD EASEMENTS, ADJOINERS, AND OTHER DOCUMENTS THAT MIGHT AFFECT THE QUALITY OF TITLE TO THE TRACT SHOWN HEREON WAS GAINED FROM COMMITMENT NUMBER 1078356, ISSUED BY OLD REPUBLIC NATIONAL TITLE INSURANCE COMPANY, DATED MAY 24, 2021. NO SEARCH OF THE PUBLIC RECORDS HAS BEEN MADE BY THIS OFFICE.
2. THIS SKETCH CANNOT BE TRANSFERRED OR ASSIGNED WITHOUT THE SPECIFIC WRITTEN PERMISSION OF WALLACE SURVEYING CORPORATION.
3. THIS IS NOT A SURVEY!
4. UNLESS PRESENTED IN DIGITAL FORM WITH ELECTRONIC SEAL AND ELECTRONIC SIGNATURE THIS SKETCH MUST BEAR THE SIGNATURE AND THE ORIGINAL RAISED SEAL OF A FLORIDA LICENSED SURVEYOR OR MAPPER, OTHERWISE THIS DESCRIPTION SKETCH IS FOR INFORMATIONAL PURPOSES ONLY AND IS NOT VALID.

**CERTIFICATION:**

I HEREBY ATTEST THAT THE DESCRIPTION SKETCH SHOWN HEREON CONFORMS TO THE STANDARDS OF PRACTICE SET FORTH BY THE FLORIDA BOARD OF PROFESSIONAL SURVEYORS AND MAPPERS ADOPTED IN RULE 5J-17, FLORIDA ADMINISTRATIVE CODE PURSUANT TO SECTION 472.027, FLORIDA STATUTES, EFFECTIVE SEPTEMBER 1, 1981.



ROBERT J. CAJAL  
PROFESSIONAL SURVEYOR AND MAPPER  
FLORIDA CERTIFICATE NO. 6266



Robert J  
Cajal:A01410C  
00000177D0F  
E26E00001355  
2

Digitally signed by  
Robert J  
Cajal:A01410C00000  
177D0FE26E000013  
552  
Date: 2022.08.10  
07:46:38 -04'00'

REVISED: 08/10/22, REMOVE ALL REFERENCE TO O.R.B. 3487, PG. 501, R.C. 21-1385.7



**WALLACE**

**SURVEYING**  
CORP., LICENSED BUSINESS # 4569

5553 VILLAGE BOULEVARD, WEST PALM BEACH, FLORIDA 33407 \* (561) 640-4551

DATE: 07/15/22	DWG. No.: 21-1385-6
OFFICE: R.C.	SHEET: 1 OF 3
C'K'D.: R.C.	JOB No.: 21-1385.5



**NOTE:**

THIS DESCRIPTION SKETCH CONSISTS OF  
3 SHEETS AND IS NOT VALID WITHOUT ALL  
3 SHEETS FORMING A COMPLETE SET.

**EXHIBIT "A"**

SECTION 3, TOWNSHIP 41 SOUTH, RANGE 42 EAST

**DESCRIPTION:**

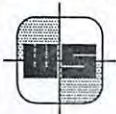
A PARCEL OF LAND IN THE SOUTHWEST QUARTER OF SECTION 3, TOWNSHIP 41 SOUTH, RANGE 42 EAST, TOWN OF JUPITER, PALM BEACH COUNTY, FLORIDA, BEING MORE PARTICULARLY DESCRIBED AS FOLLOWS:

**COMMENCE** AT A POINT ON THE SOUTH LINE OF SAID SECTION 3, 330.00 FEET WEST OF, AS MEASURED ALONG THE SOUTH LINE THEREOF, FROM THE SOUTHEAST CORNER OF THE SOUTHWEST QUARTER OF SAID SECTION 3; THENCE NORTH 01°54'18" EAST, PARALLEL WITH THE EAST LINE OF SAID SOUTHWEST QUARTER (THE EAST LINE OF SAID SOUTHWEST QUARTER BEARS GRID NORTH 01°54'18" EAST BASED ON THE NORTH AMERICAN DATUM OF 1983 AS ADJUSTED IN 1990 AND ALL OTHER BEARINGS ARE RELATIVE THERETO), A DISTANCE OF 660.00 FEET; THENCE CONTINUE NORTH 01°54'18" EAST A DISTANCE OF 643.50 FEET; THENCE NORTH 88°54'20" WEST, PARALLEL WITH THE SOUTH LINE OF SAID SOUTHWEST QUARTER, A DISTANCE OF 316.40 FEET TO THE **POINT OF BEGINNING** OF THE FOLLOWING DESCRIBED PARCEL; THENCE CONTINUE NORTH 88°54'20" WEST A DISTANCE OF 13.60 FEET TO A POINT ON THE WEST LINE OF THE EAST 660 FEET OF THE SOUTH HALF OF THE SOUTHWEST QUARTER OF SAID SECTION 3; THENCE SOUTH 01°54'18" WEST, PARALLEL WITH THE EAST LINE OF THE SOUTHWEST QUARTER OF SAID SECTION 3, A DISTANCE OF 20.61 FEET TO THE NORTHEAST CORNER OF **WEST JUPITER HOUSING 2**, ACCORDING TO THE PLAT THEREOF, AS RECORDED IN PLAT BOOK 116, PAGE 74, PUBLIC RECORDS OF PALM BEACH COUNTY, FLORIDA; THENCE SOUTH 89°09'46" EAST, ALONG THE SOUTH LINE OF THE NORTH 60 FEET OF THE SOUTH HALF OF THE SOUTHWEST QUARTER OF SAID SECTION 3, A DISTANCE OF 13.72 FEET; THENCE NORTH 01°35'00" EAST, A DISTANCE OF 20.55 FEET TO THE **POINT OF BEGINNING**.

CONTAINING IN ALL 281.139 SQUARE FEET OR 0.0065 ACRE, MORE OR LESS.

**ABBREVIATION LEGEND**

C = CENTERLINE  
 N.T.S. = NOT TO SCALE  
 O.R.B. = OFFICIAL RECORDS BOOK  
 P.B. = PLAT BOOK  
 P.B.C. = PALM BEACH COUNTY  
 PG. = PAGE  
 P.O.B. = POINT OF BEGINNING  
 P.O.C. = POINT OF COMMENCEMENT  
 R/W = RIGHT OF WAY



**WALLACE**

**SURVEYING**

CORP., LICENSED BUSINESS # 4569

5553 VILLAGE BOULEVARD, WEST PALM BEACH, FLORIDA 33407 \* (561) 640-4551

DATE: 07/15/22

DWG. No.: 21-1385-6

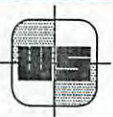
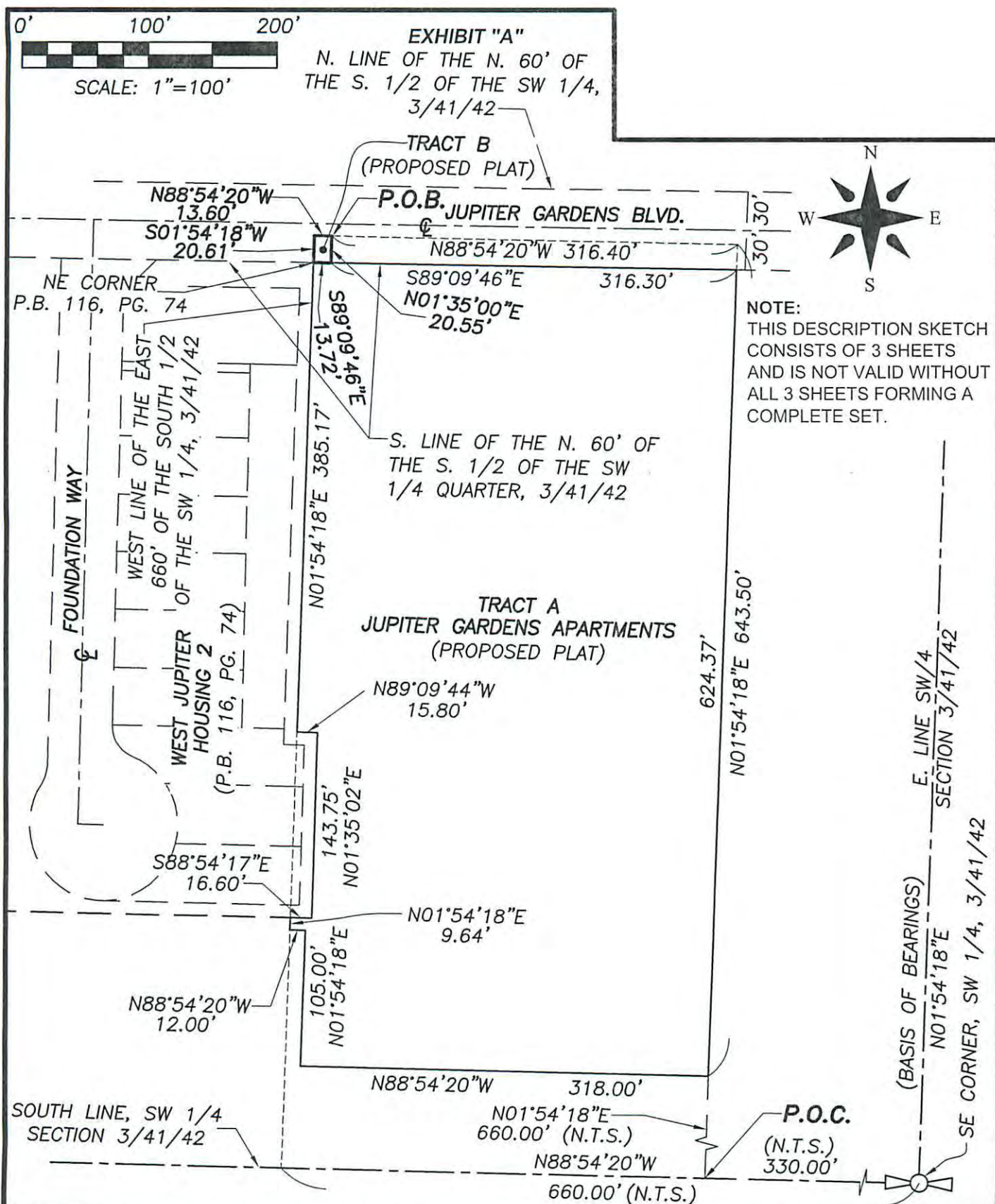
OFFICE: R.C.

SHEET: 2 OF 3

C'K'D.: R.C.

JOB No.: 21-1385.5





**WALLACE**

**SURVEYING**

CORP., LICENSED BUSINESS # 4569

5553 VILLAGE BOULEVARD, WEST PALM BEACH, FLORIDA 33407 \* (561) 640-4551

DATE: 07/15/22

DWG. No.: 21-1385-6

OFFICE: R.C.

SHEET: 3 OF 3

C'K'D.: R.C.

JOB No.: 21-1385.5





# LOXAHATCHEE RIVER DISTRICT

2500 JUPITER PARK DRIVE, JUPITER, FLORIDA 33458

TEL: (561) 747-5700

FAX: (561) 747-9929

D. Albrey Arrington, Ph.D. EXECUTIVE DIRECTOR

[loxahatcheeriver.org](http://loxahatcheeriver.org)

## MEMORANDUM

**TO:** GOVERNING BOARD  
**FROM:** D. ALBREY ARRINGTON, Ph.D.  
**DATE:** NOVEMBER 1, 2022  
**SUBJECT:** 2023 PUBLIC MEETING SCHEDULE

Staff have prepared the following draft 2023 public meeting schedule and are seeking Board approval of this draft meeting schedule before publishing our public meeting notices. All meetings to be held in Governing Board Room unless otherwise noted.

### **Governing Board Meetings @ 7:00 pm (Public Hearings @ 6:55 pm)**

- Jan 19 (third Thursday)
- Feb 16 (third Thursday) + **Public Hearing** for Chapter 31-13 Regulation of Sewer Use
- Mar 16 (third Thursday) + **Public Hearing** for Chapter 31-10 Rates, Fees, and Charges
- Apr 20 (third Thursday)
- May 18 (third Thursday)
- Jun 15 (third Thursday)
- Jul 20 (third Thursday)
- Aug 17 (third Thursday)
- Sept 21 (third Thursday) + **Public Hearing** for FY2024 Budget
- Oct 19 (third Thursday)
- Nov 16 (third Thursday)
- **Dec 14 (2nd Thursday) or Dec 19th (third Tuesday)**

### **Retirement Plan Administrative Committee Meetings @ 2:30 pm**

- Mar 7 (first Tuesday of the month)
- Jun 6 (first Tuesday of the month)
- Sept 5 (first Tuesday of the month)
- Dec 5 (first Tuesday of the month)

I request your approval of the following motion:

**“THAT THE DISTRICT GOVERNING BOARD approve of the 2023 public meeting schedule as revised.”**

James D. Snyder  
CHAIRMAN

Gordon M. Boggie  
BOARD MEMBER

Stephen B. Rockoff  
BOARD MEMBER

Dr. Matt H. Rostock  
BOARD MEMBER



# Fixed Asset Disposal

No Fixed Assets are presented for Disposal this month.

J:\Board\Notebook\Change Orders-None





# LOXAHATCHEE RIVER DISTRICT

2500 JUPITER PARK DRIVE, JUPITER, FLORIDA 33458

TEL: (561) 747-5700

FAX: (561) 747-9929

D. Albrey Arrington, Ph.D. EXECUTIVE DIRECTOR

[loxahatcheeriver.org](http://loxahatcheeriver.org)

## MEMORANDUM

TO: D. Albrey Arrington, Ph.D.

FROM: Kris Dean, P.E., Director of Engineering Services

DATE: November 9, 2022

SUBJECT: Change Order: IQ511 Pump Station Piping Modifications Engineering Services Contract – Change Order 002

On March 3, 2020 the District entered into an Engineering Services contract with Baxter & Woodman for design and engineering services during construction for piping modifications to IQ511 that would allow for the onsite reclaimed lake system to be bypassed and IQ511 pump directly from the stabilization ponds to the reclaimed distribution system. During the course of construction, the project has experienced multiple delays due to nesting eagles, shutdown coordination and the supply chain. The impacts associated with these delays are increased engineering costs of \$15,000.00 and an additional 240 days of construction time as detailed in the attached Change Order 002.

Change Orders to date include the following:

Change Order 001:	\$30,526.74
Change Order 002:	\$15,000.00

Staff recommend the following motion:

**“THAT THE GOVERNING BOARD authorize Change Order 002 to Baxter & Woodman Inc.’s contract for IQ511 Pump Station Piping Improvements in the amount of \$15,000.00.”**

James D. Snyder  
CHAIRMAN

Gordon M. Boggie  
BOARD MEMBER

Stephen B. Rockoff  
BOARD MEMBER

Dr. Matt H. Rostock  
BOARD MEMBER

LOXAHATCHEE RIVER ENVIRONMENTAL CONTROL DISTRICT

2500 JUPITER PARK DRIVE, JUPITER, FLORIDA 33458  
(561) 747-5700 FAX (561) 747-9929

CHANGE ORDER 2

DATE: 10-26-2022

PROJECT NAME: Irrigation Quality 511 (IQ-511) Pump Station Piping Improvements

OWNER: Loxahatchee River Environmental Control District

CONTRACTOR: Baxter & Woodman, Inc.

THE FOLLOWING CHANGES:

An additional Time & Expenses task is needed to complete the construction management and inspection services for the project, not-to-exceed \$15,000. A stop-work order and other construction delays require the Contract Time to increase.

JUSTIFICATION:

Additional services needed due to construction delays, rescheduling of key site visits and coordination for system shutdowns, Stop-work order was related to eagle siting.

CHANGE TO CONTRACT PRICE:

Original CONTRACT PRICE: \$98,701.46

Current Contract Price including C.O.'s \$129,228.20

Contract Price due to this Change Order  
will be *INCREASED* by: \$15,000.00

The New Contract Price including  
this Change Order will be: \$144,228.20

CHANGE TO CONTRACT TIME: Increased 240 days

APPROVED BY ENGINEER: \_\_\_\_\_  
DATE

APPROVED BY OWNER: \_\_\_\_\_  
LOXAHATCHEE RIVER ENVIRONMENTAL CONTROL DISTRICT DATE

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# LOXAHATCHEE RIVER DISTRICT

2500 JUPITER PARK DRIVE, JUPITER, FLORIDA 33458

TEL: (561) 747-5700

FAX: (561) 747-9929

D. Albrey Arrington, Ph.D. EXECUTIVE DIRECTOR

[loxahatcheeriver.org](http://loxahatcheeriver.org)

## MEMORANDUM

TO: D. Albrey Arrington, Ph.D.

FROM: Kris Dean, P.E., Deputy Executive Director/Director of Engineering Service

DATE: November 08, 2022

SUBJECT: Authorize Piggy-Back Contract for Main Lining Services

As part of the District's rehabilitation and replacement program we routinely use lining services which install a structural pipe liner within existing gravity mains. To complete this work staff located a viable "piggy-back" contract for **fiscal year 2023**. The contract is a St. Johns County general services contract with Inliner Solutions to install cured-in-place pipe lining for sanitary wastewater infrastructure assets of various shapes and sizes on an as-needed. Contract extension and authorization to "piggy-back" documents are attached for reference.

Staff recommend the following motion:

**"THAT THE DISTRICT GOVERNING BOARD authorize the "piggyback" of the St. Johns County Master Contract No. 21-MCC-GRA-13190 with Inliner Solutions for an amount not to exceed \$1,125,000."**

James D. Snyder  
CHAIRMAN

Gordon M. Boggie  
BOARD MEMBER

Stephen B. Rockoff  
BOARD MEMBER

Dr. Matt H. Rostock  
BOARD MEMBER



**Office**  
253q Jewett Street  
Sanford, FL 32771

T 407-472-0014  
[graniteconstruction.com](http://graniteconstruction.com)

November 14, 2022

Courtney Marshall, PE  
Loxahatchee River District  
2500 Jupiter Driver  
Jupiter, FL 334458

RE: St. John's Contract 21-MCC-GRA-13190

Dear Ms. Marshall,

Please accept this letter as Inliner Solutions consent to utilize our St. John's Contract 21-MCC-GRA 13190 as a piggyback contract for the work identified as "Lift Station 50 Service Basin".

Inliner Solutions will complete the identified work in accordance the requirements of the St. John's contract.

Notwithstanding any else in the Piggyback Contract to the contrary, including but not limited to par. 17.1.1, venue for all disputes shall be in Palm Beach County, Florida.

If you have any questions, do not hesitate to contact us.

Sincerely,

INLINER SOLUTIONS, LLC

A handwritten signature in black ink that reads "Daniel Banken". The script is cursive and fluid.

Daniel Banken  
Area Director - Florida Operations





## St. Johns County Board of County Commissioners

Purchasing Division

January 21, 2022

Kris Dean, P.E.  
Deputy Executive Director/Director of Engineering  
Loxahatchee River Environmental Control District  
2500 Jupiter Park Drive  
Jupiter, FL 33458

RE: 21-MCC-ATL-13188; Countywide Pipe and Manhole Lining Repair & Rehabilitation Service

Dear Kris Dean:

St. Johns County approves Loxahatchee River Environmental Control District piggybacking the above referenced contract. However, please be aware that if any lawsuits or disputes were to arise with Loxahatchee River Environmental Control District, St. Johns County would not agree to be called as defense.

Please feel free to contact me at the number or email address shown below should you require any further information.

Sincerely,

A handwritten signature in cursive script, reading "Diana M. Fye".

Diana M. Fye, AS, CPPB  
SJC Senior Procurement Coordinator  
(904) 209-0162 – Direct  
(904) 209-0163 – Fax  
[dfye@sjcfl.us](mailto:dfye@sjcfl.us)

**BID NO: 21-05; COUNTYWIDE PIPE AND MANHOLE LINING, RENEWAL & REHABILITATION SERVICES  
MASTER CONTRACT # 21-MCC-GRA-13190**

**EXHIBIT "C"  
BASIS OF COMPENSATION**

Unit Prices submitted under this Bid shall include any and all costs, fees, and charges associated with providing labor, materials, equipment, testing, shoring, dewatering, surveying, mark-up, insurance, bond(s), utilities, and any other costs associated with performance of the work. The Unit shall be the final unit cost to the County. The County shall not be charged for any costs other than the unit price items unless approved via Contract Amendment prior to execution of a Task Order.

The pricing under this Bid shall remain firm throughout the duration of the initial term of this Contract Agreement. No pricing increases will be permitted during the initial term. Price increases shall only be considered at the time Contract Renewal(s) is issued. The Contractor shall submit any requests for increases in pricing no later than sixty (60) days prior to the effective date of the Contract Renewal. Requested price increases must be justified by the Contractor by providing proof of a cost increase to the Contractor in such major areas as cost of supplies, material, fuel, or changes in governmental regulations. The cost of an increase must not be offset by a corresponding decrease in another area. Negotiated increases shall not exceed prior twelve (12) months CPI - All Urban Consumers (CPI-U), unless otherwise approved by the County. Should the requested price increase be considered excessive or determined not to be competitive for the services, the County reserves the right to deny the requested price increase, or terminate the Contract Agreement, and re-bid for these services. All prices shall remain firm for the period of each Contract Renewal term.

**BID NO: 21-05; COUNTYWIDE PIPE AND MANHOLE LINING, RENEWAL & REHABILITATION SERVICES  
MASTER CONTRACT # 21-MCC-GRA-13190**

**EXHIBIT "C-1"  
UNIT PRICE LIST**

<b>A. CURED-IN-PLACE PIPE (CIPP)(Stormwater and Waste Water (WW) Drainage Pipes/Mains)</b>			
<b>Cured-In-Place Pipe (CIPP) Liner Rehabilitation – Stormwater Drainage/WW Infrastructure Cleaning and CCTV Inspection</b>			
<b>Item</b>	<b>Description</b>	<b>Unit of Measure</b>	<b>Unit Cost</b>
	<b>Light Cleaning and CCTV Inspection</b>		
A-1	8" - 12" diameter	LF	\$ 2.00
A-2	14" - 18" diameter	LF	\$ 3.50
A-3	20" - 24" diameter	LF	\$ 4.50
A-4	27" - 42" diameter	LF	\$ 6.50
A-5	48" - 72" diameter	LF	\$ 8.50
	<b>Medium Cleaning and CCTV Inspection</b>		
A-6	8" - 12" diameter	LF	\$ 2.50
A-7	14" - 18" diameter	LF	\$ 4.50
A-8	20" - 24" diameter	LF	\$ 6.00
A-9	27" - 42" diameter	LF	\$ 14.00
A-10	48" - 72" diameter	LF	\$ 18.00
	<b>Heavy Cleaning and CCTV Inspection</b>		
A-11	8" - 12" diameter	LF	\$ 4.00
A-12	14" - 18" diameter	LF	\$ 6.50
A-13	20" - 24" diameter	LF	\$ 12.00
A-14	27" - 42" diameter	LF	\$ 21.00
A-15	48" - 72" diameter	LF	\$ 25.00
	<b>Root Removal and CCTV Inspection</b>		
A-16	8" - 12" diameter	LF	\$ 4.00
A-17	14" - 18" diameter	LF	\$ 6.00
A-18	20" - 24" diameter	LF	\$ 10.00
A-19	27" - 42" diameter	LF	\$ 15.00
A-20	48" - 72" diameter	LF	\$ 20.00
	<b>Tuberculation Cleaning and CCTV Inspection</b>		
A-21	8" - 12" diameter	LF	\$ 25.00
A-22	14" - 18" diameter	LF	\$ 28.00
A-23	20" - 24" diameter	LF	\$ 30.00
A-24	27" - 42" diameter	LF	\$ 35.00
A-25	48" - 72" diameter	LF	\$ 45.00

<b>Cured-In-Place-Pipe Liner - Furnish and Installation – Stormwater Drainage/WW Infrastructure</b>			
	<b>8" diameter CIPP Liner</b>		
A-26	6.0 mm normal thickness (.236)	LF	\$ 35.00
A-27	7.5 mm normal thickness (.295)	LF	\$ 36.00
A-28	9.0 mm normal thickness (.354)	LF	\$ 37.00
A-29	Sectional Liner, 8' long	EA	No Bid
	<b>12" diameter CIPP Liner</b>		
A-30	6.0 mm normal thickness (.236)	LF	\$ 50.00
A-31	7.5 mm normal thickness (.295)	LF	\$ 51.00
A-32	9.0 mm normal thickness (.354)	LF	\$ 52.00
A-33	Charge for each 1.5mm thickness increase per LF exceeding 9.0 mm	LF	\$ 1.00
A-34	Sectional Liner, 8' long	EA	No Bid
	<b>15" diameter CIPP Liner</b>		
A-35	6.0 mm normal thickness (.236)	LF	\$ 82.00
A-36	7.5 mm normal thickness (.295)	LF	\$ 85.00
A-37	9.0 mm normal thickness (.354)	LF	\$ 88.00
A-38	Charge for each 1.5mm thickness increase per LF exceeding 9.0 mm	LF	\$ 3.00
A-39	Sectional Liner, 8' long	EA	No Bid
	<b>18" diameter CIPP Liner</b>		
A-40	6.0 mm normal thickness (.236)	LF	\$ 90.00
A-41	7.5 mm normal thickness (.295)	LF	\$ 93.00
A-42	9.0 mm normal thickness (.354)	LF	\$ 96.00
A-43	10.5 mm normal thickness (.413)	LF	\$ 99.00
A-44	Charge for each 1.5mm thickness increase per LF exceeding 10.5 mm	LF	\$ 3.00
A-45	Sectional Liner, 8' long	EA	No Bid
	<b>21" diameter CIPP Liner</b>		
A-46	6.0 mm normal thickness (.236)	LF	\$ 90.00
A-47	7.5 mm normal thickness (.295)	LF	\$ 93.00
A-48	9.0 mm normal thickness (.354)	LF	\$ 96.00
A-49	10.5 mm normal thickness (.413)	LF	\$ 99.00
A-50	12.0 mm normal thickness (.472)	LF	\$ 102.00
A-51	Charge for each 1.5mm thickness increase per LF exceeding 12.0 mm	LF	\$ 3.00
A-52	Sectional Liner, 8' long	EA	No Bid
	<b>24" diameter CIPP Liner</b>		
A-53	9.0 mm normal thickness (.354)	LF	\$ 92.00
A-54	10.5 mm normal thickness (.413)	LF	\$ 96.00
A-55	12.0 mm normal thickness (.472)	LF	\$ 100.00
A-56	13.5 mm normal thickness (.531)	LF	\$ 104.00
A-57	15.0 mm normal thickness (.591)	LF	\$ 108.00

A-58	Charge for each 1.5mm thickness increase per LF exceeding 15.0 mm	LF	\$ 4.00
A-59	Sectional Liner, 8' long	EA	No Bid
<b>27" diameter CIPP Liner</b>			
A-60	9.0 mm normal thickness (.354)	LF	\$ 94.00
A-61	10.5 mm normal thickness (.413)	LF	\$ 98.00
A-62	12.0 mm normal thickness (.472)	LF	\$ 102.00
A-63	13.5 mm normal thickness (.531)	LF	\$ 106.00
A-64	15.0 mm normal thickness (.591)	LF	\$ 110.00
A-65	Charge for each 1.5mm thickness increase per LF exceeding 15.0 mm	LF	\$ 4.00
A-66	Sectional Liner, 8' long	EA	No Bid
<b>30" diameter CIPP Liner</b>			
A-67	9.0 mm normal thickness (.354)	LF	\$ 105.00
A-68	10.5 mm normal thickness (.413)	LF	\$ 110.00
A-69	12.0 mm normal thickness (.472)	LF	\$ 115.00
A-70	13.5 mm normal thickness (.531)	LF	\$ 120.00
A-71	15.0 mm normal thickness (.591)	LF	\$ 125.00
A-72	Charge for each 1.5mm thickness increase per LF exceeding 15.0 mm	LF	\$ 5.00
A-73	Sectional Liner, 8' long	EA	No Bid
<b>36" diameter CIPP Liner</b>			
A-74	10.5 mm normal thickness (.413)	LF	\$ 150.00
A-75	12.0 mm normal thickness (.472)	LF	\$ 155.00
A-76	13.5 mm normal thickness (.531)	LF	\$ 160.00
A-77	15.0 mm normal thickness (.591)	LF	\$ 165.00
A-78	16.5 mm normal thickness (.650)	LF	\$ 170.00
A-79	18.0 mm normal thickness (.709)	LF	\$ 175.00
A-80	Charge for each 1.5mm thickness increase per LF exceeding 18.0 mm	LF	\$ 5.00
A-81	Sectional Liner, 8' long	EA	No Bid
<b>42" diameter CIPP Liner</b>			
A-82	10.5 mm normal thickness (.413)	LF	\$ 194.00
A-83	12.0 mm normal thickness (.472)	LF	\$ 196.00
A-84	13.5 mm normal thickness (.531)	LF	\$ 202.00
A-85	15.0 mm normal thickness (.591)	LF	\$ 208.00
A-86	16.5 mm normal thickness (.650)	LF	\$ 214.00
A-87	18.0 mm normal thickness (.709)	LF	\$ 220.00
A-88	Charge for each 1.5mm thickness increase per LF exceeding 18.0 mm	LF	\$ 6.00
A-89	Sectional Liner, 8' long	EA	No Bid
<b>48" diameter CIPP Liner</b>			
A-90	12.0 mm normal thickness (.472)	LF	\$ 200.00
A-91	13.5 mm normal thickness (.531)	LF	\$ 207.00
A-92	15.0 mm normal thickness (.591)	LF	\$ 214.00



A-93	16.5 mm normal thickness (.650)	LF	\$ 221.00
A-94	18.0 mm normal thickness (.709)	LF	\$ 228.00
A-95	19.5 mm normal thickness (.768)	LF	\$ 235.00
A-96	21.0 mm normal thickness (.827)	LF	\$ 242.00
A-97	Charge for each 1.5mm thickness increase per LF exceeding 21.0 mm	LF	\$ 7.00
A-98	Sectional Liner, 8' long	EA	No Bid
<b>52" diameter CIPP Liner</b>			
A-99	10.5 mm normal thickness (.413)	LF	\$ 274.00
A-100	12.0 mm normal thickness (.472)	LF	\$ 282.00
A-101	13.5 mm normal thickness (.531)	LF	\$ 290.00
A-102	15.0 mm normal thickness (.591)	LF	\$ 298.00
A-103	16.5 mm normal thickness (.650)	LF	\$ 306.00
A-104	18.0 mm normal thickness (.709)	LF	\$ 314.00
A-105	19.5 mm normal thickness (.768)	LF	\$ 322.00
A-106	21.0 mm normal thickness (.827)	LF	\$ 330.00
A-107	22.5 mm normal thickness (.886)	LF	\$ 338.00
A-108	Charge for each 1.5mm thickness increase per LF exceeding 22.5 mm	LF	\$ 8.00
A-109	Sectional Liner, 8' long	EA	No Bid
<b>54" diameter CIPP Liner</b>			
A-110	10.5 mm normal thickness (.413)	LF	\$ 274.00
A-111	12.0 mm normal thickness (.472)	LF	\$ 282.00
A-112	13.5 mm normal thickness (.531)	LF	\$ 290.00
A-113	15.0 mm normal thickness (.591)	LF	\$ 298.00
A-114	16.5 mm normal thickness (.650)	LF	\$ 306.00
A-115	18.0 mm normal thickness (.709)	LF	\$ 314.00
A-116	19.5 mm normal thickness (.768)	LF	\$ 322.00
A-117	21.0 mm normal thickness (.827)	LF	\$ 330.00
A-118	22.5 mm normal thickness (.886)	LF	\$ 338.00
A-119	Charge for each 1.5mm thickness increase per LF exceeding 22.5 mm	LF	\$ 8.00
A-120	Sectional Liner, 8' long	EA	No Bid
<b>60" diameter CIPP Liner</b>			
A-121	10.5 mm normal thickness (.413)	LF	\$ 280.00
A-122	12.0 mm normal thickness (.472)	LF	\$ 290.00
A-123	13.5 mm normal thickness (.531)	LF	\$ 300.00
A-124	15.0 mm normal thickness (.591)	LF	\$ 310.00
A-125	16.5 mm normal thickness (.650)	LF	\$ 320.00
A-126	18.0 mm normal thickness (.709)	LF	\$ 330.00
A-127	19.5 mm normal thickness (.768)	LF	\$ 340.00
A-128	21.0 mm normal thickness (.827)	LF	\$ 350.00
A-129	22.5 mm normal thickness (.886)	LF	\$ 360.00
A-130	Charge for each 1.5mm thickness increase per LF exceeding 22.5 mm	LF	\$ 10.00
A-131	Sectional Liner, 8' long	EA	No Bid

	<b>72" diameter CIPP Liner</b>		
A-132	10.5 mm normal thickness (.413)	LF	\$ 520.00
A-133	12.0 mm normal thickness (.472)	LF	\$ 530.00
A-134	13.5 mm normal thickness (.531)	LF	\$ 540.00
A-135	15.0 mm normal thickness (.591)	LF	\$ 550.00
A-136	16.5 mm normal thickness (.650)	LF	\$ 560.00
A-137	18.0 mm normal thickness (.709)	LF	\$ 570.00
A-138	19.5 mm normal thickness (.768)	LF	\$ 580.00
A-139	21.0 mm normal thickness (.827)	LF	\$ 590.00
A-140	22.5 mm normal thickness (.886)	LF	\$ 600.00
A-141	Charge for each 1.5mm thickness increase per LF exceeding 22.5 mm	LF	\$ 12.00
A-142	Sectional Liner, 8' long	EA	No Bid
	<b>(12" X 18") Elliptical CIPP Liner</b>		
A-143	9.0 mm normal thickness (.354)	LF	\$ 82.00
A-144	10.5 mm normal thickness (.413)	LF	\$ 85.00
A-145	12.0 mm normal thickness (.472)	LF	\$ 88.00
A-146	13.5 mm normal thickness (.531)	LF	\$ 91.00
A-147	15.0 mm normal thickness (.591)	LF	\$ 94.00
A-148	Charge for each 1.5mm thickness increase per LF exceeding 15.0 mm	LF	\$ 3.00
A-149	Sectional Liner, 8' long	EA	No Bid
	<b>(14" X 18") Elliptical CIPP Liner</b>		
A-150	9.0 mm normal thickness (.354)	LF	\$ 84.00
A-151	10.5 mm normal thickness (.413)	LF	\$ 87.00
A-152	12.0 mm normal thickness (.472)	LF	\$ 90.00
A-153	13.5 mm normal thickness (.531)	LF	\$ 93.00
A-154	15.0 mm normal thickness (.591)	LF	\$ 96.00
A-155	Charge for each 1.5mm thickness increase per LF exceeding 15.0 mm	LF	\$ 3.00
A-156	Sectional Liner, 8' long	EA	No Bid
	<b>(14" X 23") Elliptical CIPP Liner</b>		
A-157	9.0 mm normal thickness (.354)	LF	\$ 96.00
A-158	10.5 mm normal thickness (.413)	LF	\$ 99.00
A-159	12.0 mm normal thickness (.472)	LF	\$ 102.00
A-160	13.5 mm normal thickness (.531)	LF	\$ 105.00
A-161	15.0 mm normal thickness (.591)	LF	\$ 108.00
A-162	Charge for each 1.5mm thickness increase per LF exceeding 15.0 mm	LF	\$ 3.00
A-163	Sectional Liner, 8' long	EA	No Bid
	<b>(19" X 30") Elliptical CIPP Liner</b>		
A-164	9.0 mm normal thickness (.354)	LF	\$ 92.00
A-165	10.5 mm normal thickness (.413)	LF	\$ 96.00
A-166	12.0 mm normal thickness (.472)	LF	\$ 100.00



A-167	13.5 mm normal thickness (.531)	LF	\$ 104.00
A-168	15.0 mm normal thickness (.591)	LF	\$ 108.00
A-169	Charge for each 1.5mm thickness increase per LF exceeding 15.0 mm	LF	\$ 4.00
A-170	Sectional Liner, 8' long	EA	No Bid
<b>(24" X 38") Elliptical CIPP Liner</b>			
A-171	10.5 mm normal thickness (.413)	LF	\$ 110.00
A-172	12.0 mm normal thickness (.472)	LF	\$ 115.00
A-173	13.5 mm normal thickness (.531)	LF	\$ 120.00
A-174	15.0 mm normal thickness (.591)	LF	\$ 125.00
A-175	16.5 mm normal thickness (.650)	LF	\$ 130.00
A-176	18.0 mm normal thickness (.709)	LF	\$ 135.00
A-177	Charge for each 1.5mm thickness increase per LF exceeding 18.0 mm	LF	\$ 5.00
A-178	Sectional Liner, 8' long	EA	No Bid
<b>(29" X 45") Elliptical CIPP Liner</b>			
A-179	12.0 mm normal thickness (.472)	LF	\$ 155.00
A-180	13.5 mm normal thickness (.531)	LF	\$ 160.00
A-181	15.0 mm normal thickness (.591)	LF	\$ 165.00
A-182	16.5 mm normal thickness (.650)	LF	\$ 170.00
A-183	18.0 mm normal thickness (.709)	LF	\$ 175.00
A-184	19.5 mm normal thickness (.768)	LF	\$ 180.00
A-185	21.0 mm normal thickness (.827)	LF	\$ 195.00
A-186	Charge for each 1.5mm thickness increase per LF exceeding 21.0 mm	LF	\$ 5.00
A-187	Sectional Liner, 8' long	EA	No Bid
<b>(38" X 60") Elliptical CIPP Liner</b>			
A-188	12.0 mm normal thickness (.472)	LF	\$ 282.00
A-189	13.5 mm normal thickness (.531)	LF	\$ 290.00
A-190	15.0 mm normal thickness (.591)	LF	\$ 298.00
A-191	16.5 mm normal thickness (.650)	LF	\$ 306.00
A-192	18.0 mm normal thickness (.709)	LF	\$ 314.00
A-193	19.5 mm normal thickness (.768)	LF	\$ 322.00
A-194	21.0 mm normal thickness (.827)	LF	\$ 330.00
A-195	Charge for each 1.5mm thickness increase per LF exceeding 21.0 mm	LF	\$ 8.00
A-196	Sectional Liner, 8' long	EA	No Bid
<b>(58" X 91") Elliptical CIPP Liner</b>			
A-197	12.0 mm normal thickness (.472)	LF	\$ 524.00
A-198	13.5 mm normal thickness (.531)	LF	\$ 536.00
A-199	15.0 mm normal thickness (.591)	LF	\$ 548.00
A-200	16.5 mm normal thickness (.650)	LF	\$ 560.00
A-201	18.0 mm normal thickness (.709)	LF	\$ 572.00
A-202	19.5 mm normal thickness (.768)	LF	\$ 584.00
A-203	21.0 mm normal thickness (.827)	LF	\$ 596.00

A-204	Charge for each 1.5mm thickness increase per LF exceeding 21.0 mm	LF	\$ 12.00
A-205	Sectional Liner, 8' long	EA	No Bid
<b>B. SLIPLINING (Stormwater and Wastewater (WW) Drainage Pipes/Mains)</b>			
<b>Sliplining – Stormwater Drainage/WW Infrastructure Cleaning and CCTV Inspection</b>			
	<b>Sliplining Light Cleaning and CCTV inspection</b>		
B-1	8" - 12" diameter	LF	No Bid
B-2	14" - 18" diameter	LF	No Bid
B-3	20" - 24" diameter	LF	No Bid
B-4	27" - 42" diameter	LF	No Bid
B-5	48" - 72" diameter	LF	No Bid
	<b>Sliplining Medium Cleaning and CCTV Inspection</b>		
B-6	8" - 12" diameter	LF	No Bid
B-7	14" - 18" diameter	LF	No Bid
B-8	20" - 24" diameter	LF	No Bid
B-9	27" - 42" diameter	LF	No Bid
B-10	48" - 72" diameter	LF	No Bid
	<b>Sliplining Heavy Cleaning and CCTV Inspection</b>		
B-11	8" - 12" diameter	LF	No Bid
B-12	14" - 18" diameter	LF	No Bid
B-13	20" - 24" diameter	LF	No Bid
B-14	27" - 42" diameter	LF	No Bid
B-15	48" - 72" diameter	LF	No Bid
	<b>Sliplining Root Removal and CCTV Inspection</b>		
B-16	8" - 12" diameter	LF	No Bid
B-17	14" - 18" diameter	LF	No Bid
B-18	20" - 24" diameter	LF	No Bid
B-19	27" - 42" diameter	LF	No Bid
B-20	48" - 72" diameter	LF	No Bid
	<b>Tuberculation Cleaning and CCTV Inspection</b>		
B-21	8" - 12" diameter	LF	No Bid
B-22	14" - 18" diameter	LF	No Bid
B-23	20" - 24" diameter	LF	No Bid
B-24	27" - 42" diameter	LF	No Bid
B-25	48" - 72" diameter	LF	No Bid
<b>Sliplining Rehabilitation – Furnish &amp; Installation – Stormwater Drainage Culverts</b>			
	<b>8" diameter Sliplining</b>		
B-26	Polyethylene	LF	No Bid

B-27	High Density Polyethylene (DR rated)	LF	No Bid
B-28	Polyvinyl chloride (PVC/Fusible PVC)	LF	No Bid
	<b>10" diameter Sliplining</b>		
B-29	Polyethylene	LF	No Bid
B-30	High Density Polyethylene (DR rated)	LF	No Bid
B-31	Polyvinyl chloride (PVC/Fusible PVC)	LF	No Bid
	<b>12" diameter Sliplining</b>		
B-32	Polyethylene	LF	No Bid
B-33	High Density Polyethylene (DR rated)	LF	No Bid
B-34	Polyvinyl chloride (PVC/Fusible PVC)	LF	No Bid
	<b>15" diameter Sliplining</b>		
B-35	Polyethylene	LF	No Bid
B-36	High Density Polyethylene (DR rated)	LF	No Bid
B-37	Polyvinyl chloride (PVC/Fusible PVC)	LF	No Bid
	<b>18" diameter Sliplining</b>		
B-38	Polyethylene	LF	No Bid
B-39	High Density Polyethylene (DR rated)	LF	No Bid
B-40	Polyvinyl chloride (PVC/Fusible PVC)	LF	No Bid
	<b>21" diameter Sliplining</b>		
B-41	Polyethylene	LF	No Bid
B-42	High Density Polyethylene (DR rated)	LF	No Bid
B-43	Polyvinyl chloride (PVC/Fusible PVC)	LF	No Bid
	<b>24" diameter Sliplining</b>		
B-44	Polyethylene	LF	No Bid
B-45	High Density Polyethylene (DR rated)	LF	No Bid
B-46	Polyvinyl chloride (PVC/Fusible PVC)	LF	No Bid
	<b>27" diameter Sliplining</b>		
B-47	Polyethylene	LF	No Bid
B-48	High Density Polyethylene (DR rated)	LF	No Bid
B-49	Polyvinyl chloride (PVC/Fusible PVC)	LF	No Bid
	<b>30" diameter Sliplining</b>		
B-50	Polyethylene	LF	No Bid
B-51	High Density Polyethylene (DR rated)	LF	No Bid
B-52	Polyvinyl chloride (PVC/Fusible PVC)	LF	No Bid
	<b>36" diameter Sliplining</b>		
B-53	Polyethylene	LF	No Bid
B-54	High Density Polyethylene (DR rated)	LF	No Bid



B-55	Polyvinyl chloride (PVC/Fusible PVC)	LF	No Bid
	<b>42" diameter Sliplining</b>		
B-56	Polyethylene	LF	No Bid
B-57	High Density Polyethylene (DR rated)	LF	No Bid
B-58	Polyvinyl chloride (PVC/Fusible PVC)	LF	No Bid
	<b>48" diameter Sliplining</b>		
B-59	Polyethylene	LF	No Bid
B-60	High Density Polyethylene (DR rated)	LF	No Bid
B-61	Polyvinyl chloride (PVC/Fusible PVC)	LF	No Bid
	<b>52" diameter Sliplining</b>		
B-62	Polyethylene	LF	No Bid
B-63	High Density Polyethylene (DR rated)	LF	No Bid
B-64	Polyvinyl chloride (PVC/Fusible PVC)	LF	No Bid
	<b>54" diameter Sliplining</b>		
B-65	Polyethylene	LF	No Bid
B-66	High Density Polyethylene (DR rated)	LF	No Bid
B-67	Polyvinyl chloride (PVC/Fusible PVC)	LF	No Bid
	<b>60" diameter Sliplining</b>		
B-68	Polyethylene	LF	No Bid
B-69	High Density Polyethylene (DR rated)	LF	No Bid
B-70	Polyvinyl chloride (PVC/Fusible PVC)	LF	No Bid
	<b>72" diameter Sliplining</b>		
B-71	Polyethylene	LF	No Bid
B-72	High Density Polyethylene (DR rated)	LF	No Bid
B-73	Polyvinyl chloride (PVC/Fusible PVC)	LF	No Bid
<b>C. MANHOLE REHABILITATION</b>			
C-1	Clean New Sanitary/Storm Sewer Manhole/Wetwell	SF	No Bid
C-2	Clean Existing Sanitary/Storm Sewer Manhole/Wetwell	SF	No Bid
C-3	Chemical Grout Injection (Small)	TUBE	No Bid
C-4	Chemical Grout Injection (Large)	GAL	No Bid
C-5	Repair Wall w/ High Strength Mortar (Average 2" Depth)	SF	No Bid
C-6	Coat New Sanitary/Storm Sewer Manhole	SF	No Bid
C-7	Coat Existing Sanitary/Storm Sewer Manhole	SF	No Bid
C-8	Coat Existing Wetwell	SF	No Bid
C-9	Interior Manhole Coating/Lining Repair	SF	No Bid
C-10	Manhole Test	SF	No Bid
C-11	Concrete Adjustment Rings (0"-12")	VF	No Bid
C-12	Concrete Adjustment Rings (Each Additional 6" Over Initial 12")	VF	No Bid

C-13	Bench Replacement	EA	No Bid
C-14	Replace Frame & Cover (24"-30")	EA	No Bid
C-15	Replace Frame & Cover (32"-36")	EA	No Bid
C-16	Inside Drop System 4" - 8"	EA	No Bid
C-17	Inside Drop System 10" - 12"	EA	No Bid
<b>D. ANCILLARY SERVICES</b>			
	<b>By-Pass Pumping &amp; Dewatering</b>		
D-1	8" diameter	LF	\$ 1.50
D-2	10" diameter	LF	\$ 2.00
D-3	12" diameter	LF	\$ 2.50
D-4	15" diameter	LF	\$ 5.00
D-5	18" diameter	LF	\$ 6.00
D-6	21" diameter	LF	\$ 7.00
D-7	24" diameter	LF	\$ 8.00
D-8	27" diameter	LF	\$ 9.00
D-9	30" diameter	LF	\$ 40.00
D-10	36" diameter	LF	\$ 50.00
D-11	<b>Service Connection - Grouting</b>	Each	\$ 350.00
	<b>Maintenance of Traffic (MOT)</b>		
D-12	Traffic Control – MOT Index 601 or 602 (per day)	Day	\$ 100.00
D-13	Traffic Control – MOT Index 603 or higher (per day)	Day	\$ 250.00
D-14	Traffic Control – MOT Index 601 or 602 (per week)	Week	\$ 500.00
D-15	Traffic Control – MOT Index 603 or higher (per week)	Week	\$ 1,500.00
D-16	<b>Variable Message Board</b>	Week	\$ 75.00



# LOXAHATCHEE RIVER DISTRICT

2500 JUPITER PARK DRIVE, JUPITER, FLORIDA 33458

TEL: (561) 747-5700

FAX: (561) 747-9929

D. Albrey Arrington, Ph.D. EXECUTIVE DIRECTOR

[loxahatcheeriver.org](http://loxahatcheeriver.org)

## MEMORANDUM

TO: D. Albrey Arrington, Ph.D.

FROM: Kris Dean, P.E., Deputy Executive Director/Director of Engineering Service

DATE: November 09, 2022

SUBJECT: Authorize Piggy-Back Contract for Lateral Lining Services

As part of the District's rehabilitation and replacement program we routinely use lining services which install a structural pipe liner within existing service laterals. To complete this work staff located a viable "piggy-back" contract for **fiscal year 2024**. The contract is a City of Plantation contract with BLD Services, LLC for rehabilitation of sewer laterals. The contract is attached for reference.

This work was planned for fiscal year 2023, however, the contractor's schedule will not allow mobilization until April 2023 with completion scheduled for July 2024 and the bulk of the work occurring in fiscal year 2024. To manage workload and budget compliance staff are proposing to proceed with this contract and schedule the lateral lining to be completed in fiscal year 2023/24 and evaluate additional main lining projects for completion during fiscal year 2023 in an amount not to exceed unspent budgeted funds for gravity system rehabilitations in 2023. Staff anticipate presenting the additional main lining contracts to the Board at the December 2022 meeting.

Staff recommend the following motion:

**"THAT THE DISTRICT GOVERNING BOARD authorize the "piggyback" of the City of Plantation Agreement No. 070-21 with BLD Services, LLC for an amount not to exceed \$2,225,000."**

James D. Snyder  
CHAIRMAN

Gordon M. Boggie  
BOARD MEMBER

Stephen B. Rockoff  
BOARD MEMBER

Dr. Matt H. Rostock  
BOARD MEMBER



## AMENDMENT

### FIRST AMENDMENT TO AGREEMENT BETWEEN THE CITY OF PLANTATION AND BLD SERVICES, LLC

THIS FIRST AMENDMENT to Agreement dated this 28<sup>th</sup> day of October, 2022,  
by and between:

**CITY OF PLANTATION, FLORIDA**

a Municipal Corporation  
400 North West 70<sup>th</sup> Avenue  
Plantation, Florida 33317  
(Hereinafter referred to as "CITY")

and

**BLD SERVICES, LLC**

a Louisiana Limited Liability Company  
2424 Tyler Street  
Kenner, LA 70062  
(Hereinafter referred to as "CONTRACTOR")

**WHEREAS**, on October 20<sup>th</sup>, 2021, CITY entered into an Agreement with BLD SERVICES, LLC for City-Wide Rehabilitation of Sewer Lateral Pipe Lining; and

**WHEREAS**, the CONTRACTOR expressed a need to increase certain line item pricing prior to the expiration of the initial term (October 19<sup>th</sup>, 2023), based on market conditions, and supported by CONTRACTOR supplied documentation; and

**WHEREAS**, the CITY has reviewed the information provided, and performed additional independent research. The CITY entered into negotiations with the CONTRACTOR and negotiated a price increase and term(s) that was fair and reasonable; and

**WHEREAS**, this this Amendment shall also extend (renew) this Agreement for one (1) additional year pursuant to Contract Term (1.) section of the executed agreement. Utilizing the first (1<sup>st</sup>) of three (3) one- (1-) year renewals; and

**WHEREAS**, both parties concur with amending the Agreement to extend the term of the Agreement through October 19<sup>th</sup>, 2024 with the amended unit prices identified herein remaining firm; and

**NOW, THEREFORE**, in consideration of the mutual promises and covenants contained herein, and other good and valuable consideration, the receipt and adequacy of the which are acknowledged, the parties agree as follows:



## AMENDMENT

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### **SECTION 1.**      **RECITALS**

The foregoing recitals are true and correct and are hereby incorporated into this Agreement.

### **SECTION 2.**      **CONTRACT TERM**

Contract Term Section within the executed agreement is amended as follows:

- 1.      The term of this Agreement shall be extended through **October 19<sup>th</sup>, 2024.**
  
- 3.      ~~Prices shall remain firm and fixed for the term of the Contract, including any option or extension periods.~~ **Agreement extension(s), renewal(s), and amendment(s) shall be based on mutually acceptable terms and conditions by both City and Contractor in writing.**

### **SECTION 3.**      **CONTRACTOR'S COMPENSATION**

The amended unit prices identified in **Exhibit "A"** of this First Amendment, which is incorporated herein and made apart hereof, shall remain firm until October 19<sup>th</sup>, 2024.


**SECTION 4.** In all other respects, the terms and conditions of the Agreement, as amended, not specifically amended herein remain in full force and effect. In the event of any conflict, this First Amendment will supersede all other terms. In the event of ambiguity, the most conservative interpretation consistent with the public interest is intended.

**SECTION 5.** This First Amendment shall be effective upon final CITY Signature.

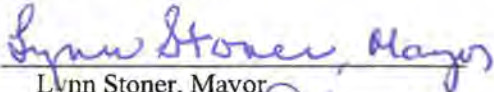
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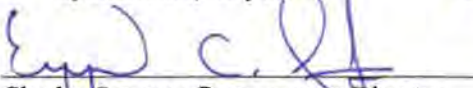
## AMENDMENT

IN WITNESS WHEREOF, CITY OF PLANTATION AND BLD SERVICES, LLC have signed this Amendment in duplicate. One counterpart each has been delivered to the CITY and CONTRACTOR.

Attest:   
April Beggerow, City Clerk

CITY OF PLANTATION

By:   
Lynn Stoner, Mayor

As to Procurement:   
Charles Spencer, Procurement Director

Signed, Sealed in the presence of:

**BLD SERVICES, LLC**  
a Louisiana Limited Liability Company



By:   
Jacob Trapani, Managing Member




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## EXHIBIT “A”

CIPP Lateral Connection and Lateral Pipe Lining			
BID ITEM NO.	DESCRIPTION	UNIT	UNIT PRICE
3-1	CIPP Lining, 8 to 15-inch full circle main connection 4" or 6" x 4.5mm lateral piping, minimum 10 LF of lateral (all depths).	EA	<del>\$3,250.00</del> <b><u>\$3,691.33</u></b>
3-2	CIPP Lining, <del>stack pipe, double lateral</del> , 8 to 15-inch main 4 to 6-inch stack, full circle main connection 4", 6" or 8" x 4.5mm lateral piping, minimum 10 LF of lateral each way (all depths).	EA	<del>\$4,000.00</del> <b><u>\$4,543.17</u></b>
3-3	CIPP Lining, <del>Siamese, double lateral</del> , 8 to 15-inch main 4 to 6-inch Siamese laterals, full circle main connection 4", 6" or 8" x 4.5mm lateral piping, minimum 10 LF of lateral each way (all depths).	EA	<del>\$4,000.00</del> <b><u>\$4,543.17</u></b>
3-4	CIPP Lining, 8 to 15-inch full circle main drop connection, up to 10 LF of drop (all depths).	EA	<del>\$2,500.00</del> <b><u>\$2,839.48</u></b>
3-5	CIPP Lining, 4" & 6" x 4.5mm laterals, all depths (includes 10 feet of lateral)	EA	<del>\$2,000.00</del> <b><u>\$2,271.59</u></b>
3-6	CIPP Lining 4" & 6" x 4.5mm pipe, beyond 10 linear feet of lateral all depths.	LF	<del>\$40.00</del> <b><u>\$11.36</u></b>
3-7	Transitional Liner 4" to 6" x 4.5mm transition (all depths). Transitions may occur in stackpipe, straight laterals or in Siamese configurations.	EA	<del>\$50.00</del> <b><u>\$56.79</u></b>
3-8	Work in rear-yard easement (items 1 through 7)	EA	<del>\$1,000.00</del> <b><u>\$1,072.31</u></b>
3-9	Sewer main cleaning and TV inspection (8-inch through 10-inch)	LF	<del>\$2.00</del> <b><u>\$2.14</u></b>
3-10	Sewer main cleaning and TV inspection (12-inch through 15-inch)	LF	<del>\$3.00</del> <b><u>\$3.22</u></b>
3-11	Sewer lateral TV inspection from main (up to 30 feet)	EA	<del>\$350.00</del> <b><u>\$375.31</u></b>
3-12	Sewer lateral TV inspection from main (beyond 30 feet)	LF	<del>\$0.25</del> <b><u>\$0.27</u></b>
3-13	Work in rear-yard easement (items 9 through 12 and 14 through 20)	EA	<del>\$1,000.00</del> <b><u>\$1,072.31</u></b>
3-14	Cleanout Installation in grass area, 3-inch to 6-inch gravity pipe, depths up to 5-feet. (includes restoration)	EA	<del>\$1,000.00</del> <b><u>\$1,252.48</u></b>
3-15	Cleanout Installation in asphalt area, 3-inch to 6-inch gravity pipe, depths up to 5-feet. (includes restoration)	EA	\$1,050.00
3-16	Cleanout Installation in concrete area, 3-inch to 6-inch gravity pipe, depths up to 5-feet. (includes restoration)	EA	\$1,100.00
3-17	Cleanout Installation in pavers, 3-inch to 6-inch gravity pipe, depths up to 5-feet. (includes restoration)	EA	\$1,050.00





3-18	Cleanout Installation beyond 5 feet in depth.	VF	\$125.00
3-19	Bypass pumping (8-inch to 15-inch sewer)	EA	\$250.00
3-20	Furnish and Install Double Wye	EA	\$150.00
3-21	Traffic control - hourly charge for each flagger.	HR	\$20.00
3-22	Traffic control - daily charge for arrow board.	DAY	\$250.00
3-23	Traffic control - daily charge for each barricade.	EA	\$2.00

**Note No. 1:** The contractor is directed to bid and install the above minimum CIPP material thicknesses. The contractor is responsible for providing sealed design calculations confirming the stated thicknesses are appropriate for the intended installation. Design requirements that indicate a thicker material will be compensated at the above unit prices for additional thickness. All designs in accordance with ASTM F1216, X1.

**Note No. 2:** If Contractor is awarded a contract. Contractor shall provide a written quotation of work identified by City within two (2) weeks of request for quotation. The Contractor shall commence the work within three (3) weeks of receipt of Purchase Order.



# LOXAHATCHEE RIVER DISTRICT

2500 JUPITER PARK DRIVE, JUPITER, FLORIDA 33458


TEL: (561) 747-5700

FAX: (561) 747-9929

D. Albrey Arrington, Ph.D. EXECUTIVE DIRECTOR

[loxahatcheeriver.org](http://loxahatcheeriver.org)

## MEMORANDUM

**TO:** GOVERNING BOARD  
**FROM:** D. ALBREY ARRINGTON, Ph.D.   
**DATE:** NOVEMBER 10, 2022  
**SUBJECT:** POTENTIAL WEATHER BUREAU AT JUPITER INLET LIGHTHOUSE  
OUTSTANDING NATURAL AREA

I would like to engage the LRD Governing Board in a public discussion about the potential to relocate the River Center to the Jupiter Inlet Lighthouse Outstanding Natural Area (ONA). This concept emerged when Peter DeWitt, Bureau of Land Management (BLM), approached me and asked if the Loxahatchee River District would be interested in reconstructing the historic Weather Bureau (pictured below) and using it as a new home for the River Center and hub for public environmental education efforts at the ONA. I think this is a remarkable opportunity that warrants serious consideration and discussion by the LRD Governing Board.

For over a year I have been discussing the potential of relocating the River Center to our 20 acres on the headwaters of the Loxahatchee River (adjacent to Riverbend Park) because our lease on the current River Center building, owned by Palm Beach County, is set to expire on March 12, 2027. While I continue to think that is a very good option, I believe the opportunity to relocate the River Center onto the ONA campus is a much better option.

Why do I believe the ONA is an ideal location for the River Center? The 120-acre Jupiter Inlet Lighthouse ONA was congressionally designated for the protection, conservation, and enhancement of seven core values including Biological, Historic, Cultural and Scenic Resources and Educational, Science, and Recreational Values. These resources and values are represented by over 700 species of plants and animals that occur onsite as well as an important maritime and military history associated with the site. Significant archaeological resources have been documented within the ONA and the surrounding area. The site draws over 100,000 visitors annually to experience its historic lighthouse, learn about its important history, and discover its natural beauty and biological diversity. Many of these visitors engage in guided recreational experiences or spend time exploring the trails and beaches throughout the site and along its shoreline. Thus, the ONA appears to be an ideal campus in which to relocate the River Center, the nexus of our environmental education efforts.



**James D. Snyder**  
CHAIRMAN

**Gordon M. Boggie**  
BOARD MEMBER

**Stephen B. Rockoff**  
BOARD MEMBER

**Dr. Matt H. Rostock**  
BOARD MEMBER

Additionally, the ONA is among the most remarkable pieces of land in all of Florida. This property (owned by the federal government) sits at the mouth of the Loxahatchee River (i.e., Jupiter inlet) and at the nexus of the Loxahatchee River (a national wild and scenic river) and the Indian River Lagoon (an estuary of national importance), and hosts the Jupiter Inlet Lighthouse – arguable the most recognizable landmark in all of Florida. The property has spectacular views, an unmistakable landmark, and a significant amount of site visitation, e.g., annually 100,000 people climb the lighthouse and an additional 40,000 people explore the nature trails.

Not only is the property amazing, positive changes and improvements are happening (e.g., renovation of an old Coast Guard house by The Nature Conservancy, septic to sewer project), are about to happen (e.g., improved shoreline stabilization, renovation of old Coast Guard houses by LRD), or are in the planning process (e.g., new welcome center by the Loxahatchee River Historical Society). Because the LRD is already partnering with the BLM, the process to modify our existing agreement with BLM (Supplemental Agreement for Use of BLM Property) appears to be very simple and straightforward.

Furthermore, the Jupiter Inlet Lighthouse Outstanding Natural Area Comprehensive Management Plan and Environmental Assessment (2010) as well as other official, federal documents call for the reconstruction of the Weather Bureau and implementation of onsite environmental education programs to educate the public about the natural resources associated with the ONA. Thus, there is a clear synergy between the LRD's Environmental Education policy and the Bureau of Land Management's goals and objectives for the ONA.

Finally, there appears to be a local non-profit that is potentially willing to donate significant funds to offset the cost of constructing the Weather Bureau. Details remain to be worked out, but conceptually the non-profit would be prepared to contribute significantly towards building construction in return for a long-term lease of office space within the building.

Of course, this concept has potential drawbacks and/or concerns. First, the federal government owns the property, so any site improvements (e.g., constructed buildings) would have to be donated to the federal government upon completion of construction. As such, if BLM chooses to terminate or not renew our Memorandum of Understanding, it would result in loss of access to and use of the building. Clearly, this is not BLM's current intent, but political pressures change. I am quite excited by this remarkable opportunity to further expand our environmental education programming at the ONA. Before I get too far ahead of myself, I thought it appropriate to engage the LRD Governing Board so a public discussion could be had. To facilitate a discussion, I have identified a few questions that may be worth discussing:

1. How does the Board perceive the risk of eviction by the federal government (BLM)?
2. Concerns around a potential partnership with a non-profit?
3. Are there cost thresholds or limits that the Board would like staff to work within?
4. What other conceptual concerns should staff assess?
5. Should LRD pursue a dedicated revenue stream to fund environmental education efforts?
6. What other potential pitfalls should staff evaluate?



## Information and context for the potential construction of the Weather Bureau @ BLM

### Jupiter Inlet Lighthouse Outstanding Natural Area Comprehensive Management Plan and Environmental Assessment. (September 15, 2010)

- In 1887, the U.S. Signal Corps added a wireless telegraph station and one of the first U.S. Weather Bureau stations in Florida, which later moved to Miami to become part of the National Weather Service (NOAA.). (p43)
- **Goal:** Enhance the integrity of prehistoric and historic properties in the Jupiter Inlet Lighthouse Outstanding Natural Area to reflect the rich Native American and maritime history of this strategic location. **Objective:** Maintain, restore and recreate historic structures within the ONA. Actively pursue recreation of historic structures, such as the original weather station and lighthouse keeper's residence, if/when sites become available.
- **PROPOSED ACTION:** (construct) Lighthouse Keeper's House and Weather Station; **ALTERNATIVE I:** Recreate historic structures for public interpretation, if it does not adversely affect U.S. Coast Guard mission.

### Consolidated Natural Resources Act, i.e., Public Law 110-229, that created the ONA. (May 8, 2008)

- Sec. 202. Jupiter Inlet Lighthouse Outstanding Natural Area. Management Plan. The management plan shall include objectives and provisions to maintain or recreate historic structures (e.g., weather bureau). ... an implementation plan for a program of interpretation and public education about the natural and cultural resources of the Lighthouse, the public lands surrounding the Lighthouse, and associated structures; ... and a proposal for administrative and public facilities to be developed or improved that are compatible with achieving the resource objectives for the Outstanding Natural Area and would accommodate visitors to the Outstanding Natural Area. (p764-765)

### US Dept. of the Interior, Jupiter Inlet Lighthouse Outstanding Natural Area, Environmental Assessment, Site Infrastructure, Resilience, and Information Projects (November 21, 2019)

- Housing Unit 2; Keep the area in the built environment for educational and scientific use. Demolish existing structure and properly abandon underground tanks ... to allow for the creation of a replica of Weather Bureau building, circa 1910, with minimal impact to buried archaeological resources. ... The allowance of the replica Weather Bureau building, although not directly an historic resource, would support the interpretation and education of the site's history relative to all the factors associated with the Jupiter Lighthouse Reservation Mixed Resource District.



**Appx. B. Detailed Decision Clarifications, Parameters, Terms and Conditions, and Stipulations**

The following information relates to the Proposed Action and, as noted, Alternatives, presented in the main body of the Site Infrastructure, Resilience, and Information Environmental Assessment (ES-0020-2019-0014-EA). This detailed information, including clarifications, decision parameters, terms and conditions, and stipulations are part of the complete decision and the nuisances described are considered in the Environmental Consequences and would be brought forward into the Decision Record for these actions.

**Proposed Action: Relinquished Structure Disposition: Housing Unit 2 - Replica Weather Bureau:**

- a) Replica building must be used to support education and scientific values of the ONA and may include minimal space for administration functions.
- b) Project, prior to construction, must address on-going operational and maintenance considerations including the identification of the entities providing educational/interpretive exhibits, staffing, programming etc. and maintenance responsibilities etc. including fiscal considerations in the structure's final use.
- c) Project must address surrounding landscaping, including removal of invasive weeds and planting with Native plants (an exception for plants of historical value to education/interpretation may be granted) and the protection and/or stabilization of southeastern shoreline to ensure newly constructed assets are not at risk from erosion.
- d) Construction must minimize impact to buried archaeological resources, and use previously disturbed area (i.e., Unit 2 foundation) to the fullest extent possible.
- e) Replica building must be constructed to meet current hurricane and all other building codes, including Americans with Disabilities Act and Architectural Barriers Act (ADA/ABA) requirements for access.
- f) There is no expectation of BLM funding for the replica construction project, however, the BLM may choose at its own discretion to seek funding to support the project.
- g) A donation agreement must be in place before any fundraising activities occurs.
- h) Project funding must be completed prior to starting project and include sufficient funding for construction, infrastructure support (utilities, connection to sewer, etc.), interpretive/educational content, interior furnishings and fixtures, and on-going maintenance.
- i) Supporting replica structures, including fencing, windmill, and instrument box would be allowed, but must be addressed in the initial project design. The ancillary features may be funded in subsequent phases under their own donation agreements.
- j) The structure, infrastructure and any supporting features would become property of the federal government upon installation.
- k) The BLM reserves its abilities to make final decisions in implementation of the project in accordance with regulation and policy, including construction plans, landscaping, interior exhibits etc.





# LOXAHATCHEE RIVER DISTRICT

2500 JUPITER PARK DRIVE, JUPITER, FLORIDA 33458

TEL: (561) 747-5700

FAX: (561) 747-9929

D. Albrey Arrington, Ph.D. EXECUTIVE DIRECTOR

[loxahatcheeriver.org](http://loxahatcheeriver.org)

## MEMORANDUM

**TO:** GOVERNING BOARD  
**FROM:** D. ALBREY ARRINGTON, PH.D.  
**DATE:** AUGUST 11, 2021  
**SUBJECT:** BUSCH WILDLIFE SANCTUARY LICENSE AGREEMENT EXTENSION

In the attached letter, Mr. Jim Casto (BWS Board Member and Facilities Chair) has requested a six-month extension of the License Agreement between Loxahatchee River District (LRD) and Busch Wildlife Sanctuary (BWS), which is currently set to expire on March 21, 2023. Mr. Casto has provided the gant chart from their contractor and communicated that the delays they are experiencing constructing their new wildlife sanctuary at Rocky Pines Rd are driven by factors and circumstances beyond their control.

The requested time extension includes a three-month margin of error to allow them to deal with unforeseen additional delays that might occur as the project is being closed out. Also, Mr. Casto indicated their willingness to shorten their time allotted to complete removal of BWS improvements from six months to four months.

It is my opinion that the requested time extension is reasonable and approving of the requested time extension will not have a material adverse effect upon LRD. Therefore, I worked with Mr. Shenkman to draft the attached "Restated LICENSE AGREEMENT Extension #2" which will extend the term of the license agreement by 6 months and stipulates that BWS will proactively remove their improvements to the extent possible without impacting their operations. I hope you will support this proposed extension.

Therefore, I recommend the following motion for your consideration:

**THAT THE DISTRICT GOVERNING BOARD authorize Board Chairman Jim Snyder to execute the attached "Restated LICENSE AGREEMENT Extension #2", and wishes Busch Wildlife Sanctuary well as they complete construction of their new campus and facilities.**

**James D. Snyder**  
CHAIRMAN

**Gordon M. Boggie**  
BOARD MEMBER

**Stephen B. Rockoff**  
BOARD MEMBER

**Dr. Matt H. Rostock**  
BOARD MEMBER



## Restated LICENSE AGREEMENT Extension #2

This Restated License Agreement Extension dated November \_\_, 2022, is executed in relation to that certain Restated LICENSE AGREEMENT dated as of October 26, 2020, and Extension dated September 14, 2021, between the Loxahatchee River Environmental Control District and THE BUSCH WILDLIFE SANCTUARY, INC., a Florida Corporation, (“Busch”). The Restated License Agreement, the Extension, along with this Extension are herein collectively referred to as the “License Agreement”).

Now Therefore, in consideration of Ten Dollars (\$10.00) and other good and valuable consideration, the receipt and sufficiency of which is acknowledged, the parties agree as follows:

1. The Term of the License Agreement is extended SIX (6) months from March 22, 2023 to September 21, 2023.
2. Notwithstanding this time extension, Busch will proactively remove their improvements to the extent possible without impacting their operations.
3. All other terms and conditions of the License Agreement remain unchanged and in full force and effect.

IN WITNESS THEREOF, the parties have executed this Restated License Agreement Extension on the dates set forth below.

Witnesses: THE BUSCH WILDLIFE SANCTUARY, INC,  
a Florida Corporation

\_\_\_\_\_  
By: \_\_\_\_\_  
Peter W. Busch, Chairman/Founder, 11/ /2022

Witnesses: Loxahatchee River Environmental Control District

\_\_\_\_\_  
By: \_\_\_\_\_  
James D. Snyder, Chairman, 11/17/2022



# BUSCH WILDLIFE SANCTUARY

At Loxahatchee River District

## WHERE NATIVE IS NURTURED



11/2/2022

Loxahatchee River Environmental Control District  
Attn: Governing Board of Directors  
2500 Jupiter Park Dr.  
Jupiter, FL 33458

Dear Governing Board of Directors,

On behalf of The Busch Wildlife Sanctuary Board of Directors, I would like to make a formal request for a time extension on the Restated License Agreement Extension, which currently expires March 21, 2023. We have received an updated schedule of completion from our contractors (attached) pushing completion out to June 16, 2023 due to circumstances out of their control – construction was halted for 10 days due to the recent hurricane, supply chain issues, and FPL issues with providing permanent power supply to the site.

The design, permitting and construction of animal enclosures is not part of the contract with Black Diamond; All Custom Shells and Budget Fencing are completing these items and work will be occurring concurrent with Black Diamond activity and it is not anticipated to require additional time.

Per the attached schedule, construction is estimated to be completed by June 16, 2023 necessitating a three month extension but we would like to request six month extension to September 21, 2023 to provide margin. The license agreement states that the removal of BWS improvements will be completed within six months of the agreement end date. Busch Wildlife Sanctuary would be willing to work to shorten this to four months knowing LRD has gone above and beyond in this partnership. We have been removing improvements as we can and will continue to do so parallel to construction and expect to have removal complete by January 2024 and will work toward this goal.

Thank you for your help and thank you for your continued support of Busch Wildlife Sanctuary and our shared mission of environmental conservation.

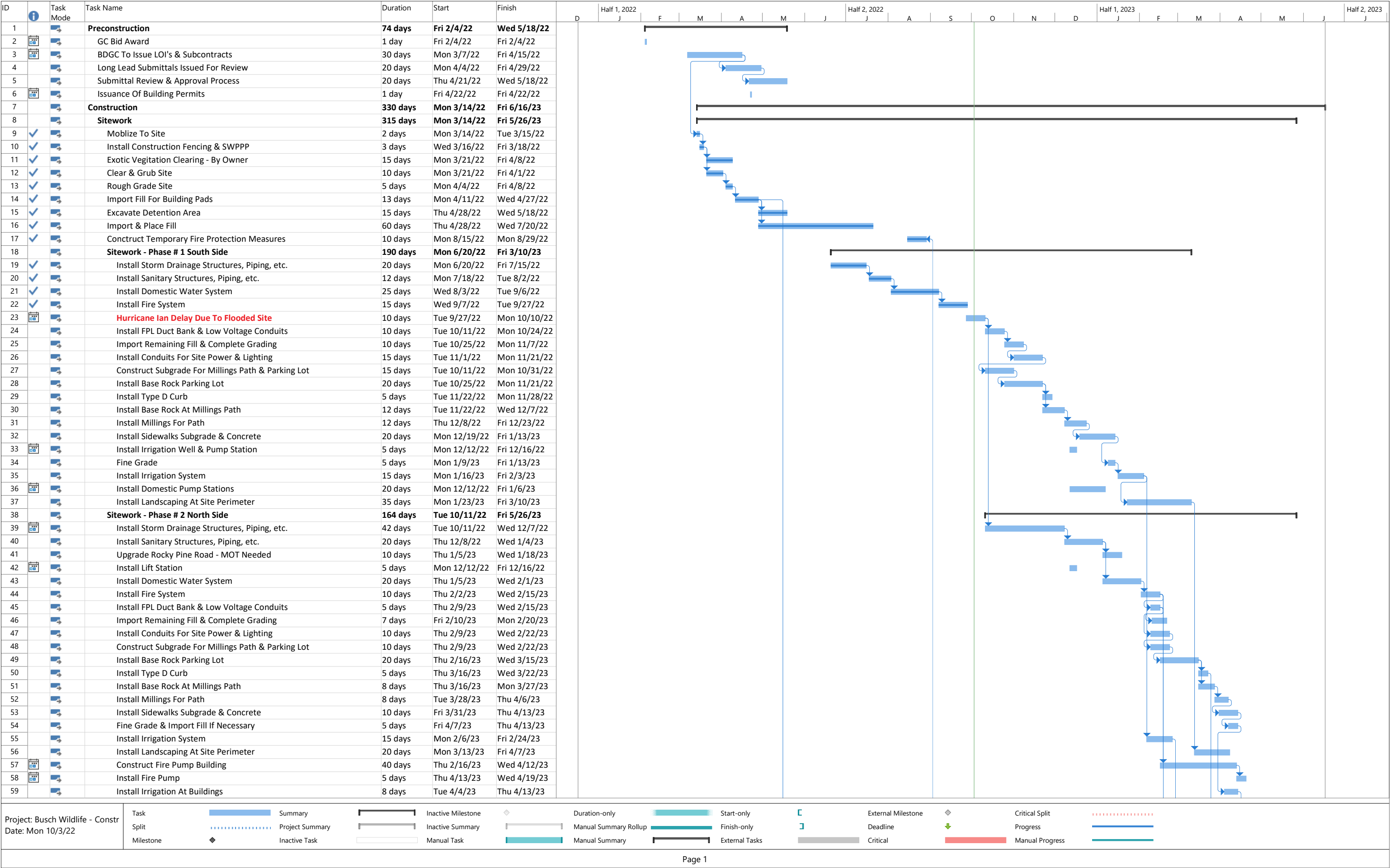
Sincerely,

Jim Casto, Facilities Chair  
Busch Wildlife Sanctuary Board of Directors

Cc: Dr. Albrey Arrington, LRD Executive Director  
BWS Board of Directors  
Amy Kight, BWS Executive Director  
Lisa Wynne, BWS Development Director



buschwildlife.org | 561.575.3399 | 2500 Jupiter Park Drive, Jupiter, FL 33458

A COPY OF THE SANCTUARY'S OFFICIAL REGISTRATION (#CH9398), AND FINANCIAL INFORMATION MAY BE OBTAINED FROM THE FLORIDA DIVISION OF CONSUMER SERVICES BY CALLING TOLL-FREE (800)-435-7352 OR [WWW.FLORIDACONSUMERHELP.COM](http://WWW.FLORIDACONSUMERHELP.COM). REGISTRATION HOWEVER DOES NOT IMPLY ENDORSEMENT, APPROVAL, OR RECOMMENDATION BY THE STATE OF FLORIDA



Page 1



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119		<div><div></div><div></div><div></div></div> Prime Paint Walls & Ceilings	4 days	Tue 11/15/22	Fri 11/18/22																												
120		<div><div></div><div></div><div></div></div> MEP Trim Out	5 days	Mon 11/21/22	Fri 11/25/22																												
121		<div><div></div><div></div><div></div></div> Final Painting	6 days	Mon 1/2/23	Mon 1/9/23																												
122		<div><div></div><div></div><div></div></div> Welcome Center - 6,880 SF	272 days	Mon 5/23/22	Tue 6/6/23																												
123	<div><div></div><div></div><div></div></div>	<div><div></div><div></div><div></div></div> Underground MEP Rough In	10 days	Mon 5/23/22	Fri 6/3/22																												
124	<div><div></div><div></div><div></div></div>	<div><div></div><div></div><div></div></div> Form & Pour Thickned Edge & Slab On Grade	10 days	Fri 6/17/22	Thu 6/30/22																												
125		<div><div></div><div></div><div></div></div> Construct CMU Walls, Bond Beams & Structural Steel	57 days	Wed 8/3/22	Thu 10/20/22																												
126		<div><div></div><div></div><div></div></div> Install Wood Trusses & Sheathing	16 days	Fri 10/21/22	Fri 11/11/22																												
127		<div><div></div><div></div><div></div></div> Dry-In Roof	4 days	Mon 11/14/22	Thu 11/17/22																												
128		<div><div></div><div></div><div></div></div> Install Icynene	4 days	Fri 11/18/22	Wed 11/23/22																												
129		<div><div></div><div></div><div></div></div> MEP Above Ceiling Rough In	15 days	Thu 11/24/22	Wed 12/14/22																												
130		<div><div></div><div></div><div></div></div> Light Gauge Framing Of Interior Walls	8 days	Thu 12/15/22	Mon 12/26/22																												
131		<div><div></div><div></div><div></div></div> Install Exterior Windows & Doors	6 days	Fri 11/4/22	Fri 11/11/22																												
132		<div><div></div><div></div><div></div></div> Install Exterior Waterproofing	4 days	Mon 11/14/22	Thu 11/17/22																												
133		<div><div></div><div></div><div></div></div> Install Hardie Plank Siding	15 days	Mon 1/23/23	Fri 2/10/23																												
134		<div><div></div><div></div><div></div></div> MEP Wall Rough In	15 days	Tue 12/27/22	Mon 1/16/23																												
135		<div><div></div><div></div><div></div></div> Framing For Drywall Ceiling	5 days	Thu 12/15/22	Wed 12/21/22																												
136		<div><div></div><div></div><div></div></div> Insulation & Drywall	8 days	Tue 1/17/23	Thu 1/26/23																												
137		<div><div></div><div></div><div></div></div> Install Walk In Cooler & Freezer	5 days	Tue 1/17/23	Mon 1/23/23																												
138		<div><div></div><div></div><div></div></div> Finish Drywall	8 days	Fri 1/27/23	Tue 2/7/23																												
139		<div><div></div><div></div><div></div></div> Prime Paint Walls & Ceilings	6 days	Wed 2/8/23	Wed 2/15/23																												
140		<div><div></div><div></div><div></div></div> Install Tile In Bathrooms	5 days	Thu 2/16/23	Wed 2/22/23																												
141		<div><div></div><div></div><div></div></div> Install ACT Grid	5 days	Thu 2/16/23	Wed 2/22/23																												
142		<div><div></div><div></div><div></div></div> Install T &G Ceiling	7 days	Thu 2/23/23	Fri 3/3/23																												
143		<div><div></div><div></div><div></div></div> Temporary Power	1 day	Mon 5/1/23	Mon 5/1/23																												
144		<div><div></div><div></div><div></div></div> Install Flooring System	10 days	Tue 5/2/23	Mon 5/15/23																												
145		<div><div></div><div></div><div></div></div> Install Cabinets & Tops	6 days	Tue 5/16/23	Tue 5/23/23																												
146		<div><div></div><div></div><div></div></div> MEP Trim Out	12 days	Mon 5/22/23	Tue 6/6/23																												
147		<div><div></div><div></div><div></div></div> Install Doors & Hardware	4 days	Wed 5/24/23	Mon 5/29/23																												
148		<div><div></div><div></div><div></div></div> Install Misc. Accessories	4 days	Wed 5/24/23	Mon 5/29/23																												
149		<div><div></div><div></div><div></div></div> Final Painting	6 days	Tue 5/30/23	Tue 6/6/23																												
150		<div><div></div><div></div><div></div></div> Education Building - 2,800 SF	111 days	Mon 11/7/22	Mon 4/10/23																												
151	<div><div></div><div></div><div></div></div>	<div><div></div><div></div><div></div></div> Construct Foundations For Heavy Timbers	5 days	Mon 11/7/22	Fri 11/11/22																												
152		<div><div></div><div></div><div></div></div> Stem Wall CMU	5 days	Mon 11/14/22	Fri 11/18/22																												
153		<div><div></div><div></div><div></div></div> Set Timber Columns	2 days	Mon 11/21/22	Tue 11/22/22																												
154		<div><div></div><div></div><div></div></div> Underground MEP Rough In	5 days	Wed 11/23/22	Tue 11/29/22																												
155		<div><div></div><div></div><div></div></div> Form & Pour Slab On Grade	7 days	Wed 11/30/22	Thu 12/8/22																												
156	<div><div></div><div></div><div></div></div>	<div><div></div><div></div><div></div></div> Set Heavy Timbers	20 days	Fri 12/9/22	Thu 1/5/23																												
157		<div><div></div><div></div><div></div></div> Construct CMU Walls & Bond Beams	15 days	Fri 1/6/23	Thu 1/26/23																												
158		<div><div></div><div></div><div></div></div> Install Wood Trusses & Sheathing	10 days	Fri 1/27/23	Thu 2/9/23																												
159		<div><div></div><div></div><div></div></div> Dry-In Roof & Install 5V Metal Roofing	5 days	Fri 2/10/23	Thu 2/16/23																												
160		<div><div></div><div></div><div></div></div> Light Gauge Framing Of Interior Walls	4 days	Fri 2/17/23	Wed 2/22/23																												
161		<div><div></div><div></div><div></div></div> Install Exterior Windows & Doors	2 days	Fri 2/3/23	Mon 2/6/23																												
162		<div><div></div><div></div><div></div></div> Hardie Plank Siding	8 days	Tue 3/7/23	Thu 3/16/23																												
163		<div><div></div><div></div><div></div></div> MEP Wall Rough In	4 days	Thu 2/23/23	Tue 2/28/23																												
164		<div><div></div><div></div><div></div></div> MEP Above Ceiling Rough In	5 days	Thu 2/23/23	Wed 3/1/23																												
165		<div><div></div><div></div><div></div></div> Insulation & Drywall	5 days	Thu 3/2/23	Wed 3/8/23																												
166		<div><div></div><div></div><div></div></div> Finish Drywall	8 days	Thu 3/9/23	Mon 3/20/23																												
167		<div><div></div><div></div><div></div></div> Prime Paint Walls & Ceilings	4 days	Tue 3/21/23	Fri 3/24/23																												
168		<div><div></div><div></div><div></div></div> Install ACT Grid	4 days	Mon 3/27/23	Thu 3/30/23																												
169		<div><div></div><div></div><div></div></div> Install Flooring System	3 days	Mon 3/27/23	Wed 3/29/23																												
170		<div><div></div><div></div><div></div></div> Install Cabinets & Tops	2 days	Thu 3/30/23	Fri 3/31/23																												
171		<div><div></div><div></div><div></div></div> MEP Trim Out	5 days	Thu 3/30/23	Wed 4/5/23																												
172		<div><div></div><div></div><div></div></div> Install Doors & Hardware	2 days	Mon 4/3/23	Tue 4/4/23																												
173		<div><div></div><div></div><div></div></div> Install Misc. Accessories	2 days	Mon 4/3/23	Tue 4/4/23																												
174		<div><div></div><div></div><div></div></div> Final Painting	4 days	Wed 4/5/23	Mon 4/10/23																												
175		<div><div></div><div></div><div></div></div> Reptile Enclosure - 790 SF	176 days	Fri 6/24/22	Fri 2/24/23																												
176	<div><div></div><div></div><div></div></div>	<div><div></div><div></div><div></div></div> Underground MEP Rough In	5 days	Mon 6/27/22	Fri 7/1/22																												
177	<div><div></div><div></div><div></div></div>	<div><div></div><div></div><div></div></div> Form & Pour Thickned Edge & Slab On Grade	10 days	Fri 6/24/22	Thu 7/7/22																												

Project: Busch Wildlife - Constr  
Date: Mon 10/3/22

Task

Split

Milestone

Summary

Project Summary

Inactive Task

Inactive Milestone

Inactive Summary

Manual Task

Duration-only

Manual Summary Rollup

Manual Summary

Start-only

Finish-only

External Tasks

External Milestone

Deadline

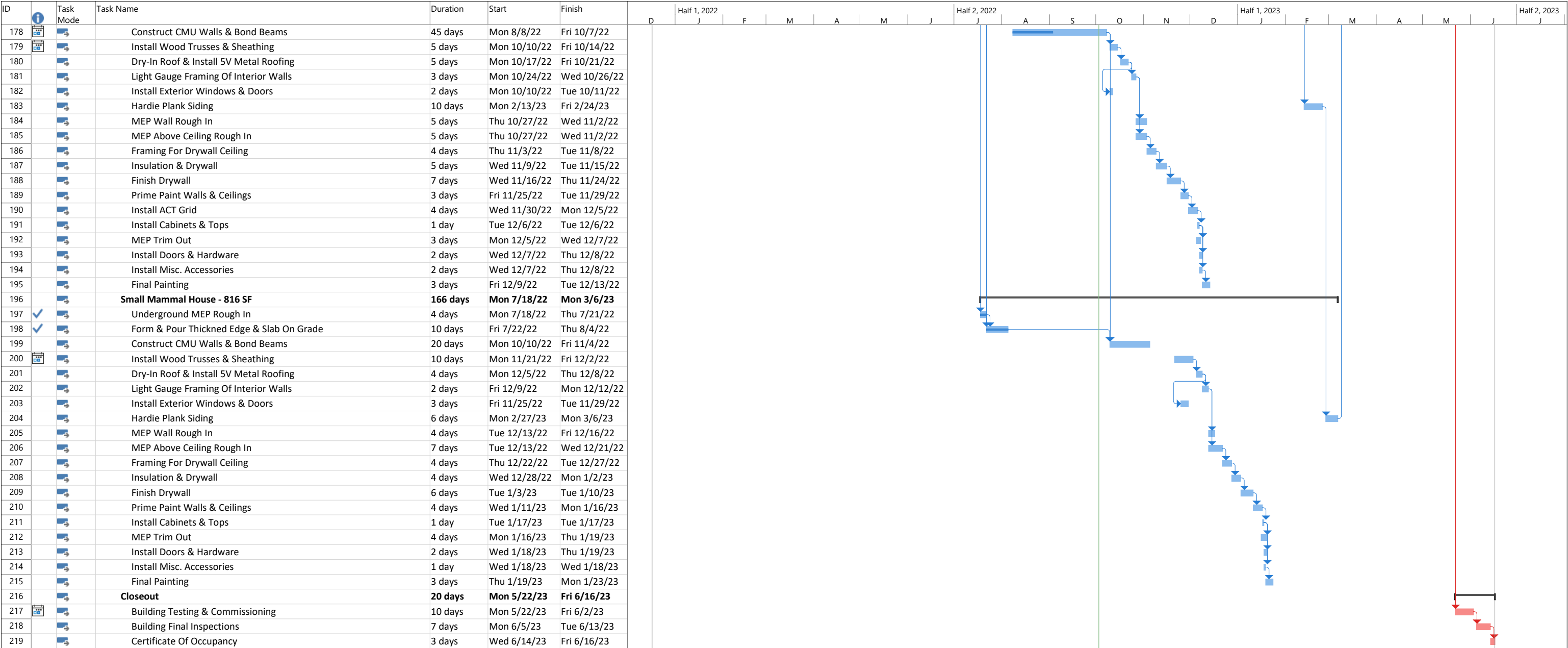
Critical

Critical Split

Progress

Manual Progress

Page 3



Project: Busch Wildlife - Constr  
Date: Mon 10/3/22

Task

Split

Milestone

Summary

Project Summary

Inactive Task

Inactive Milestone

Inactive Summary

Manual Task

Duration-only

Manual Summary Rollup

Manual Summary

Start-only

Finish-only

External Tasks

External Milestone

Deadline

Critical

Critical Split

Progress

Manual Progress



## Neighborhood Sewering Schedule-Revised February 2020

Rank *	Area Description	# Lots	Activity	Original Target Date	Revised Target Start Date
11	Jupiter Farms (East)	708		TBD	TBD
11	PB Country Estates	1547		TBD	TBD

\* Rank based upon "2010 Septic System Inventory & Assessment"  
TBD = To be determined

### Remnant Areas

Rank*	Area Description	Lots	Activity	Original Target Date	Revised Target Start Date
H	Olympus Dr, Juno (LP)	2	Notified Owners – June 2013 Prelim. Design started – August 2017 Notice of Intent to Assess – July 2020	2016	2021
	605+607 Military Trl (LP)	2	Notified Owners – June 2020 Notice of Intent – Jan 2021	2022	
	18041 69 <sup>th</sup> Terrace	1	LRD procedures shared for connection to sewer services Statutory Way Provision – Jan 2022	N/A	2022
	5331 Center Street	1	LRD procedures shared for connection to sewer services Notice of Intent – March 2022	N/A	2022
	18150 SE Wooden Bridge Lane	1	LRD procedures shared for connection to sewer services Notice of Intent – May 2022	N/A	2022
	Island Way Property	1	Notice of Intent – August 2022	N/A	2022



Rank *	Area Description	# Lots	Activity	Original Target Date	Revised Target Start Date
AA	Peninsular Road	4	Private Road Notice of Intent – February 2010 Partial construction complete - June 2013 Soliciting easements for remainder of project	2010	AEO
BB	Rivers Edge Road (Martin Co.)	35	Notified Owners – August 2010 Private Road-Easements Solicited –May 2014 Notice of Intent – February 2014 Project Delayed	2013	AEO
CC	171 <sup>st</sup> Street (Martin Co.)	7	Private Road - In House Design Owners notified October 2012 Easement rec'd from Church – April 2017 Grant received	2014	AEO
CC	Jamaica Dr	11	Private Road Owners notified Oct 2012 Statutory Way Provision (2) – June 2021	2014	AEO
D	Loggerhead Park <i>(institutional)</i>	6 ECs	Need Easements from County-No database	2014	AEO
DD	Taylor Road	38	Notified Owners – September 2011 Private Roads	2015	AEO
FF	Rolling Hills	50	Notified Owners – Jan. 2013 - Private HOA Notice of Intent to Assess – October 2019 Award of Contract – December 2021	2017	2021
FF	North A1A	3	Postponed-Town activities in area No database	2012	AEO
GG	815 S US 1 (Yum Yum Tree)	9 ecs	Notified Owner – November 2014	2016	AEO
GG	Rockinghorse <i>(north of Roebuck Road)</i>	11	Notified Owners – January 2013	2018	AEO
GG	Castle Rd SE	5	Notified Owners – Jan 2013-private road	2018	AEO
GG	Jupiter Rd SE	4	Notified Owners – Jan 2013-private road	2018	AEO
HH	Harbor Rd. S. LPSS	6	Notified Owners – January 2014-private road	2017	AEO
HH	Indian Hills SE	12	Notified Owners – January 2016 Easement for Road & Utilities, No Dedication	2019	AEO
16	Limestone Creek Road West	49	Notified Owners – January 2013-private road	2018	TBD
19	US Coast Guard Station Offices <i>(institutional)</i> PX Commercial <i>(commercial)</i>	2 ECs 2 ECs	US Government - private roads-No database Contract for installation of sanitary sewers – September 2020	2019	2021
	109+111 Old Jupiter Beach Road	2	Notified Owners – September 2021		

CURTIS L. SHENKMAN  
*Board Certified*  
*Real Estate Attorney*  
HUNTER SHENKMAN  
*Attorney*

**CURTIS SHENKMAN, P.A.**  
4400 PGA BLVD, SUITE 300  
PALM BEACH GARDENS, FLORIDA 33410  
TELEPHONE (561) 822-3939  
**Curtis@PalmBeachLawyer.Law**

**LEGAL ASSISTANTS**  
**REAL ESTATE**  
JUDY D. MONTEIRO  
DENISE B. PAOLUCCI  
KRISTY SANTORO

November 2, 2022

Loxahatchee River Environmental Control District  
D. Albrey Arrington, Exec. Dir. and Board Members (sent by email to S. Patel)  
2500 Jupiter Park Drive  
Jupiter, FL 33458

**RE: PENDING LITIGATION STATUS REPORT**

Dear Dr. Arrington and Board Members:

We are enclosing herewith a brief status report relating to the litigation in which the Loxahatchee River Environmental Control District is involved with our law firm as the attorney of record, and/or monitoring the attorney of record. This status report updates the last monthly status report previously submitted and consists of a summary of the record proceedings which have occurred in each of the pending cases since last month. BEMAN IS THE ONLY CASE WITH AN UPDATE. OTHER CASES HAVE NO CHANGE IN STATUS SINCE JULY REPORT.

There are no analyses of the pending cases included, as the inclusion of such items might constitute a waiver of any attorney/client privilege that exists between our firm and the District. Therefore, if you would like to discuss the particulars of any specific case in more detail or would like to obtain more information concerning the strategy, status, or settlement posture of any of the individual cases, please feel free to contact me.

As always, we are available at any time to discuss any of these lawsuits with each individual Board Member by telephone or by conference, if there are any questions.

Respectfully submitted,

***CURTIS L. SHENKMAN***

CURTIS L. SHENKMAN

Attachments

## **OTHER LITIGATION**

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IN THE CIRCUIT COURT OF THE FIFTEENTH JUDICIAL CIRCUIT, IN AND  
FOR PALM BEACH COUNTY, FLORIDA  
CASE NO. 50-2019 CA 014447 XXXX MB AB

**FRED BEMAN**, Plaintiff, vs.  
LOXAHATCHEE RIVER DISTRICT,  
Defendant.

December 6, 2017. Auto Accident involving District vehicle and vehicle driven by Fred Beman.

April 15, 2020. Summons & Complaint served upon the District.

April 20, 2020. Attorney Lyman Reynolds, appointed be District's Insurance Carrier to Defend the  
District under the District's Insurance Policy.

May 4, 2020. District's Motion to Dismiss filed.

July 8, 2020. District's attorney reports Motion to Dismiss not yet set for a hearing.

August 19, 2020. Agreed Order permitting transfer of the case to Martin County Sept

16, 2020. Amended Complaint filed in Martin County

November 16, 2021, Notice of Lack of Prosecution filed in Palm Beach County.

Dec 2, 2021, Summons served on the District; Attorney Reynolds responded with Motion to Dismiss on  
December 17, 2021.

January 14, 2022. District's Responses to Plaintiff's Request for Production and Interrogatories was filed.

January 31, 2022. District's Motion to Dismiss denied. District's Answer due by February 20, 2022, being  
prepared by Attorney Reynolds.

February 20, 2022, District's Answer Filed.

April 22, 2022, Deposition of Plaintiff

June 21, 2022, Attorney Reynolds indicated projected trial date is December 18, 2023, and provided  
confidential information to claims adjuster.

November 1, 2022 Attorney Reynolds office setting Pre Trial MEDIATION in January 2023.

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Pre-Suit Notice of Claim under FS 768.28 (6)(a)

Dated August 3, 2020, from Attorney for Plaintiff

**Donovan Mackey and Dee Mackey**, Plaintiff

Vs. LOXAHATCHEE RIVER DISTRICT,

Defendant.

On or about October 2019 sewage back up into 141 Beacon Lane, Jupiter, FL 33469 (Jupiter  
Inlet Colony). Plaintiffs claim personal injury from the sewage back up.

August 3, 2020, District notified District's insurance carrier of the claim.

August 18, 2020, Insurance Adjuster for the District assigned the claim.

As of July 11, 2022, No activity since Adjuster assigned the claim

Plaintiff cannot file suit until claim is denied. 768.28 (6)(b).

Statute of Limitations is running on the claim.

NO CHANGE IN STATUS SINCE JULY REPORT.

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Pre-Suit Notice of Claim under FS 768.28(6)(a)

**Universal Property & Casualty Insurance Company a/s/o**

**BettyCavanagh & Jules Formel**, Plaintiff VS.

LOXAHATCHEE RIVER DISTRICT, Defendant.

On or about November 18, 2020, sewage back up into 18081 SE Country Club Drive, Apt 4-  
33, Tequesta, FL 33469. The Owners, Betty Cavanagh & Jules Formel made claim to their  
insurance company, University Property & Casualty Company.

On April 29, 2021, 2020, the Insurance Adjuster for University Property  
& Casualty Company notified the District's Insurance Company, PGCS  
Claims Services of the claim.

On July 13, 2021, University Property & Casualty Company (UPCC), as subrogee of Betty

Cavanagh & Jules Formel, notified the District in accordance with 768.28, the District has 6 months from receipt of the letter to investigate this claim and provide formal acceptance or denial. Plaintiffs claim property damage from the sewage back up in the amount of \$26,860. PGCS has been investigating.

On July 12, 2022, PGCS informed the District, that UPCC resubmitted new information as to the claim in the amount of \$28,860.00. PGCS is investigating the claim. Plaintiff cannot file suit until claim is denied. 768.28 (6)(b).

NO CHANGE IN STATUS SINCE JULY REPORT.



**LIEN FORECLOSURES**

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**NONE**

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**MORTGAGE OR LIEN FORECLOSURES / LRD COUNTERCLAIMS/CROSSCLAIMS**

**NONE**



## ***Loxahatchee River Environmental Control District Monthly Status Report***

*October 31, 2022*

***Submitted To: Kris Dean, P.E, Deputy Executive Director/Director of Engineering***

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The following is a summary of work performed by Baxter and Woodman, Inc. (B&W), on District projects for the monthly period ending October 31, 2022.

### **Irrigation Quality 511 (IQ-511) Pump Station Piping Improvements**

The following items were ongoing or completed during the last monthly period:

- The Contractor is performing a shutdown in Electrical Room No. 2 on 11/1/22 in order to complete connections to MCC and updates to PLC.
- The Contractor has completed site grading and is preparing to sod.
- The remaining work includes: start up, testing, I&C updates with CC Controls and replacement of the damaged fiber line.
- Change Order No. 2 was provided to LREDC on 10/26/22 with a not-to-exceed cost proposal for services related to the project time extensions.

### **Lift Station Fall Protection Improvements**

The following items were ongoing or completed during the last monthly period:

- All work was completed by October 07, 2022. Balancing Change Order has been prepared and Final Pay Application received. Transmittal of Closeout Documents to District pending receipt of Maintenance Bond from Contractor.

### **Structural Condition Assessment of Headworks, Diversion Structure A**

The following items were ongoing or completed during the last monthly period:

- Safety railings installed. Field investigation to be rescheduled.



### Control Panels & RTU Upgrades

The following items were ongoing to completed during the last monthly period:

- Kickoff meeting scheduled for November 4, 2022.

Respectfully Submitted by:

**BAXTER & WOODMAN, INC.**

Rebecca Travis, P.E.

Executive Vice President / Florida Division Manager

**Loxahatchee River Environmental Control District  
CMA Project Status Update  
November 3, 2022**

<b><i>CMA Project #</i></b>	<b><i>Name</i></b>	<b><i>Activities Performed</i></b>
494.001	BLM House Demolition and Reconstruction	<ul style="list-style-type: none"> <li>• Conceptual Design Memorandum and building layout options approved by Board 10/21/21</li> <li>• Coordination meeting held 11/12/21</li> <li>• 90% design, specifications and cost estimate submitted</li> <li>• LRD plan comments addressed</li> <li>• Proposed roof alternative design submitted to LRD for review (to address comments from SHPO)</li> <li>• Bid documents submitted to LRD</li> <li>• Comments received from LRD and meetings/calls conducted to review.</li> <li>• Final bid documents submitted to LRD</li> </ul>
494.002	2500 Jupiter Park Drive Conceptual Site Planning	<ul style="list-style-type: none"> <li>• Conducted kick off meeting</li> <li>• Environmental field work performed, report submitted, comments received from LRD, revised report submitted</li> <li>• Staff and Board survey performed</li> <li>• Existing site base plan prepared</li> <li>• Review of adjacent stormwater permits performed</li> <li>• Site concept plans prepared</li> <li>• Site visits and meeting with LRD was conducted to review survey results and concept plans</li> <li>• Presented survey results and concept plans to Board</li> <li>• Submitted data request to LRD for massing study and received results. Provided LRD with initial space calculations.</li> <li>• Reviewed WWTF capacity expansion goals with LRD. Submitted memorandum on the WWTF future space to LRD.</li> <li>• Submitted draft Site Security memorandum, received comments from LRD, and submitted final memorandum.</li> <li>• Draft massing concepts were presented to LRD at meeting. Revisions are underway.</li> </ul>





**HOLTZ CONSULTING ENGINEERS, INC.**  
270 South Central Boulevard, Suite 207, Jupiter, FL 33458 (561) 575 2005

**MEMORANDUM**

**To:** Kris Dean, PE, Deputy Director/Director of Engineering, Loxahatchee River Environmental Control District  
**From:** Christine Miranda, PE, Holtz Consulting Engineers, Inc.  
**Date:** November 9, 2022  
**Subject:** Loxahatchee River Environmental Control District Monthly Status Report

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The following is a summary of work performed by Holtz Consulting Engineers, Inc. (HCE) on Loxahatchee River District projects through November 9, 2022. **Note: Any information that is historical or repeated from previous months are shown in italics. Otherwise, all information as shown below is newly reported information.**

**Lift Station No. 082 Improvements**

- *On September 23, 2022, Contractor sent correspondence to District and HCE staff that they are still waiting for materials to be delivered that impact the critical path schedule of the project and will be submitting documentation for review and approval. The Contractor will be providing more detailed information on the scheduled delivery of delayed materials and updating their schedule to reflect this as well as to show the activities that will impact the shopping plaza entrance and the duration of those activities for the property manager to review.*

**Schedule Update:** *The Contractor has provided information from their supplier which shows they are still waiting for delivery of specific pipe fittings for this project. Upon receipt of more detailed information that provides expected dates for delivery, the schedule will be adjusted as required and a time extension change order will be submitted to the District for consideration.*

**Country Club Drive Force Main Transmission System Preliminary Evaluation**

- *The draft technical memorandum was submitted to the District on June 10, 2022 for review and comment. Upon receipt of the comments from the District, the memorandum will be finalized and transmitted to the District.*

**Schedule Update:** *Per the work authorization agreement, upon receipt of comments from the District on the draft memorandum, the final memorandum will be prepared and submitted within two weeks.*

**Lift Station Telemetry Improvements**

- The Contractor performed additional initial site inspections. Several submittals were reviewed and returned including RTU panel drawings, antennae, and radios. The first 50 RTU panels and components have been approved for release. A progress meeting was held on October 31, 2022 with representatives from the Contractor, the District, HCE, and HCE's electrical

engineer attending. Tentative schedule is for additional submittals to be reviewed from now through December of this year with the first RTU panels being assembled off-site late January of next year and on-site installations mobilizing late March of next year.

**Schedule Update:** *The Notice to Proceed (NTP) has been issued for August 8, 2022. Substantial completion is 595 days from the NTP, March 25, 2024 and final completion is 660 days from the NTP, May 29, 2024. The schedule provided from the Contractor currently shows them mobilizing and starting installation in March/April 2023 and completing construction in January 2024.*

### **Rolling Hills Gravity Sewer System, Lift Station, & Force Main**

- Construction work is still ongoing for manhole rehabilitation and restoration activities. The control panel is scheduled to be delivered to the project site by November 18, 2022. Once the control panel is delivered, the lift station can be completed and tested, and the wastewater collection system can be submitted to the regulatory agency for release to be placed into service. HCE prepared Change Order #3 for the District's consideration, extending the substantial completion date of the project to December 5, 2022 and final completion to February 8, 2023.

**Schedule Update:** Change Order #3 for the project added 105 calendar days to the Contract. The new substantial completion date is December 5, 2022 and final completion date is February 8, 2023. The Contractor is anticipated to meet or exceed this revised schedule.

### **Jupiter Inlet Lighthouse Septic to Sewer Conversion**

- During the month of October, HCE continued their onsite observation of construction efforts. The horizontal directional drill (HDD) of the 2" low-pressure force main on the Town of Jupiter property was completed. Other October's milestones include completion of approximately 80% of FPL conduit installations, 10 water meter boxes installed and tied into the new 8" water main, approximately 25% of Comcast underground conduit installed, and three new concrete walkways were also completed. Work continues on the construction of the simplex and commercial lift stations along with the main lift station. HCE has continued ongoing coordination of construction activities with the archaeologist, performing cultural resources monitoring throughout the duration of construction. The photo to the right depicts recent installation of the control panel at the main lift station. HCE was on site verifying correct placement of these key electrical components are installed to the approved Districts construction standards. Change Order #2 was issued for the project for additional work to remove an existing tree in





order to properly abandon an existing septic tank and Change Order #3 was issued to extend the Contract time due to Town of Jupiter permitting delays.

**Schedule Update:** Change Order #3 for the project has been issued, extending the Contract time by 99 calendar days due to delays caused by Town of Jupiter permitting. The revised and contract substantial completion date is January 6, 2023 and final completion date is March 12, 2023.

### **Deep Injection Well Replacement Cost Study**

- *HCE staff is currently working on finalizing the technical memorandum and addressing all comments received by the District. Additional information will be provided in the final technical memorandum providing a life cycle cost analysis and breakdown of operation and maintenance costs of the presented options. After all comments are addressed, and additional information inputted, the final memorandum will be completed and submitted to the District.*

**Schedule Update:** The final memorandum will be completed and submitted to the District three weeks after all additional required information is gathered. The time frame to gather and analyze the additional information will be provide to the District in a change of scope that HCE will be submitting to the District by November 11, 2022 for consideration.

### **Injection Well Pump Manual Transfer Switch Addition**

- The Contractor commenced construction on October 26, 2022 and construction is underway. Change Order #1 was issued for the project, extending the contract time due material delays related to the manual transfer switches for the project.

**Schedule Update:** The revised and current substantial completion date of the project is November 23, 2022 and final completion date is December 31, 2022.

### **Master Lift Station No. 1 Traveling Bridge Crane Solicitation**

- Prime Contractor Boromei Construction and crane manufacturer MHS remain at the substantial completion portion of this project. On October 24, 2022 HCE delivered a letter to Boromei Construction regarding failure to meet the final completion milestone and requesting a plan to mitigate any further delays. On November 2, 2022, the floor repairs were completed. The Contractor has stated that MHS will be onsite November 14, 2022 to complete all remaining punchlist items. HCE continues onsite monitoring construction activities in conjunction with LRD staff with the intent to see this project finalized and turned over to the District as soon as possible.

**Schedule Update:** The final contract completion date was September 24, 2022. As of today, a few remaining punch items still remain. HCE is diligently working with the Contractor to have them complete the remaining items as quickly as possible. Per the Contractor's latest correspondence all remaining punchlist items are scheduled to be completed on November 14, 2022.



**Emergency Response ESRI Collection Tool & Synovia Vehicle Tracking Assistance**

- *No new activities have occurred for this work.*





**Loxahatchee River Environmental Control District  
Master Plan 20-AC “Sierra Square” @ 9278 Indiantown Rd  
LRECD PO# 21-0649 / KCI #482021095.01**

**Progress Report**

**To:** Mr. Kris Dean, P.E., Deputy Executive Director/Director of Engineering  
**From:** Todd Mohler, RLA, KCI, Project Manager  
**Date:** November 1, 2022

**ACTIVITIES**

KCI Technologies progress report updates for the current billing period are:

**Activities and Support:**

1. **Survey:** Complete.
2. **Environmental:** Complete.
3. **Geotechnical:** Complete.
4. **Electrical Engineering:** 90% Complete. Will finalize to 30% in Task 3 submittal on 11/16/22.
5. **Civil Engineering:** Finalized grading analysis and budget estimate. Presented at workshop for Board of Directors on 6/28/22. Task 2 deliverables (pre 30% conceptual grading and utilities) delivered 9/9/22. No comments from LRECD on Task 2 deliverables. Will finalize to 30% in Task 3 submittal on 11/16/22.
6. **Landscape Architecture:** Researched funding opportunities. Identified desired viewpoints for Task 3 rendering deliverables. Will submit draft renderings and funding opportunity information in Task 3 submittal on 11/16/22.
7. **Architecture:** 100% Complete.



November 7, 2022

Mr. Kris Dean, P.E.  
Deputy Executive Director/Director of Engineering  
Loxahatchee River Environmental Control District  
2500 Jupiter Park Drive  
Jupiter, FL 33458

Ref. No. C0089.40  
Subject: Loxahatchee River Subaqueous Forcemain Replacement  
PO No. 22-0911

Dear Mr. Dean:

Below is our Monthly Update for October 2022.

- 60% Construction Drawings Submitted October 14, 2022
- District Review comments pending
- Ongoing Permit Coordination

Upcoming Activities:

- Progress Construction Drawing
- Permitting

If you have any questions, please contact me at 683-3113, extension 293.

Sincerely,  
MOCK, ROOS & ASSOCIATES, INC.

A handwritten signature in blue ink, appearing to read "Garry G. Gruber".

Garry G. Gruber, P.E.  
Senior Vice President

GGG:tsm  
Copies: John Cairnes  
Spencer Schroeder



# Busch Wildlife Sanctuary

The 4th Quarter Report will be presented  
at the January 2023 Board Meeting.





# Director's Report

- |                               |            |
|-------------------------------|------------|
| ➤ Admin. & Fiscal Report      | attach. #1 |
| ➤ Engineering Report          | attach. #2 |
| ➤ Operations Report           | attach. #3 |
| ➤ Information Services Report | attach. #4 |
| ➤ Environmental Education     | attach. #5 |
| ➤ Safety Report               | attach. #6 |
| ➤ Other Matters (as needed)   | attach. #7 |



J:\Board\Notebook\Directors Report





# LOXAHATCHEE RIVER DISTRICT

2500 JUPITER PARK DRIVE, JUPITER, FLORIDA 33458

TEL: (561) 747-5700

FAX: (561) 747-9929

D. Albrey Arrington, Ph.D. EXECUTIVE DIRECTOR

[loxahatcheeriver.org](http://loxahatcheeriver.org)

## MEMORANDUM

To: Governing Board  
From: Kara Fraraccio, Director of Finance and Administration  
Date: November 10, 2022  
Subject: Monthly Financial Report

### Cash and Investments

Balance as of October 31, 2022

Certificates of Deposit:

Institution	Original Term	Maturity	Rate	Book Value	Monthly Interest Earned	Market Value
Bank United	3 Months	11/16/22	1.98%	\$ 1,055,237	\$ 1,779	\$ 1,059,593
Bank United	3 Months	11/16/22	1.98%	1,574,277	2,654	1,580,776
TD Bank	6 Months	02/04/23	3.06%	2,500,000	6,526	2,517,646
TD Bank	9 Months	05/05/23	3.22%	2,500,000	6,870	2,518,571
TD Bank	9 Months	05/08/23	3.35%	1,274,425	3,643	1,284,158
Bank United	9 Months	05/16/23	2.13%	1,003,248	1,817	1,007,697
TD Bank	12 Months	08/10/23	3.36%	2,000,000	5,734	2,015,319
Bank United	12 Months	08/16/23	2.42%	1,004,118	2,070	1,009,186
Bank United	12 Months	08/16/23	2.42%	1,004,118	2,070	1,009,186
US Century Bank	13 Months	09/22/23	2.71%	2,500,000	5,777	2,513,028
<b>Subtotal</b>				<b>\$ 16,415,423</b>	<b>\$ 38,940</b>	<b>\$ 16,515,160</b>
<b>Investment Accounts:</b>						
Synowus - Public Demand			2.00%		\$ 12,571	\$ 7,407,354
Bank United - Public Funds Reserve			3.44%		4,223	2,006,162
Florida Prime - SBA			3.15%		5,385	2,018,609
<b>Subtotal</b>					<b>\$ 22,179</b>	<b>\$ 11,432,125</b>
<b>Checking Account:</b>						
SunTrust-Hybrid Business Account			0.02%			\$ 12,143,109
<b>Subtotal</b>					<b>\$ -</b>	<b>\$ 12,143,109</b>
<b>Brokerage Accounts:</b>						
					<b>Gain/Loss</b>	
Vanguard GNMA ADM			-17.83%	\$ 292,401	(44,255)	\$ 248,146
Vanguard Short-Term Treasury			-5.92%	1,336,793	(74,721)	1,262,072
Vanguard Short-Term Inflation			-8.85%	131,616	(10,705)	120,911
U.S. Treasuries - Due 11/22/22			2.57%	99,279	527	99,806
U.S. Treasuries - Due 11/25/22			2.78%	496,553	2,342	498,895
U.S. Treasuries - Due 12/01/22			2.68%	496,313	2,242	498,554
U.S. Treasuries - Due 12/20/22			3.07%	506,564	1,852	508,416
U.S. Treasuries - Due 12/22/22			3.33%	128,917	405	129,322
Charles Schwab Bank Sweep					2	7,610
<b>Subtotal</b>				<b>\$ 3,488,436</b>	<b>\$ (122,311)</b>	<b>\$ 3,373,732</b>
<b>Total</b>					<b>\$ (61,192)</b>	<b>\$ 43,464,126</b>

Average weighted rate of return on investments is: 1.52%

As of 10/31/22:

3 month Short Term Bond: 4.06%

1 month Federal Fund Rate: 3.08%

James D. Snyder  
CHAIRMAN

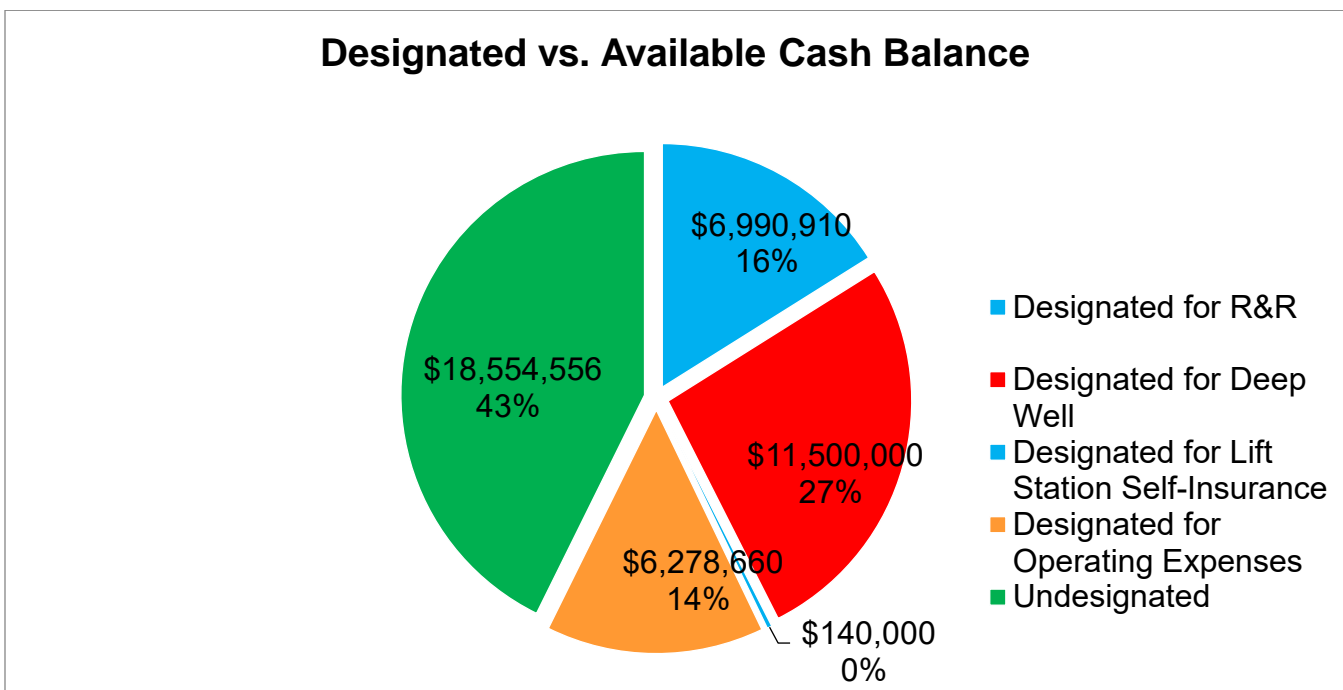
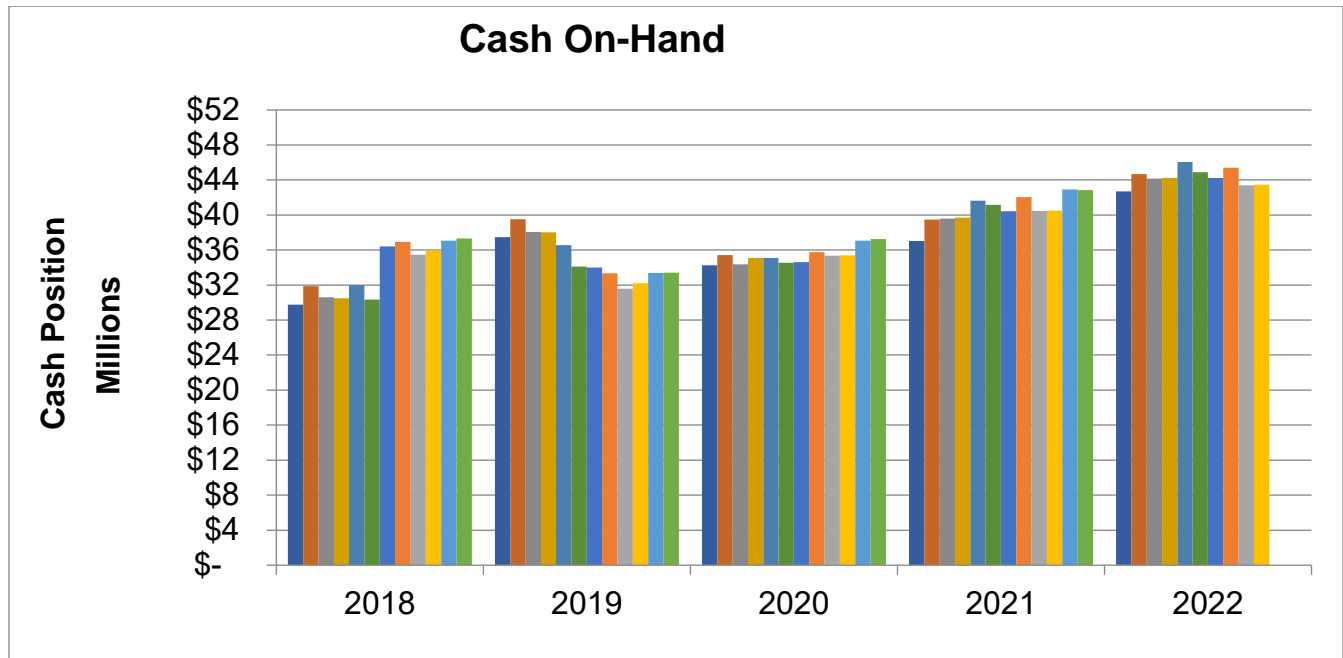
Stephen B. Rockoff  
BOARD MEMBER

Dr. Matt H. Rostock  
BOARD MEMBER

Gordon Boggie  
BOARD MEMBER

The bond funds in the District brokerage accounts are still underperforming due to abnormal market conditions and uncertainties with the Federal Reserve. However, the District is optimistic that losses will be recovered and that we have an optimized portfolio based on risk and cash flow needs.

Cash position for October 2021 was \$40,516,049. Current Cash position is up by \$2,948,077.



### Financial Information

- Legal Fees billed in October were \$14,940. The fiscal year-to-date total is \$14,940.
- Estoppel fees collected in October totaled \$5,095. The fiscal year-to-date total is \$5,095.
- There was no Septage billing for the month of October.
- Developer's Agreement – There were no new Developer Agreements.
- I.Q. Water Agreements – Canterbury, Osceola Woods, Town Center Ph. I and Tuscany are all past due for October.

## Summary of Budget vs. Actual

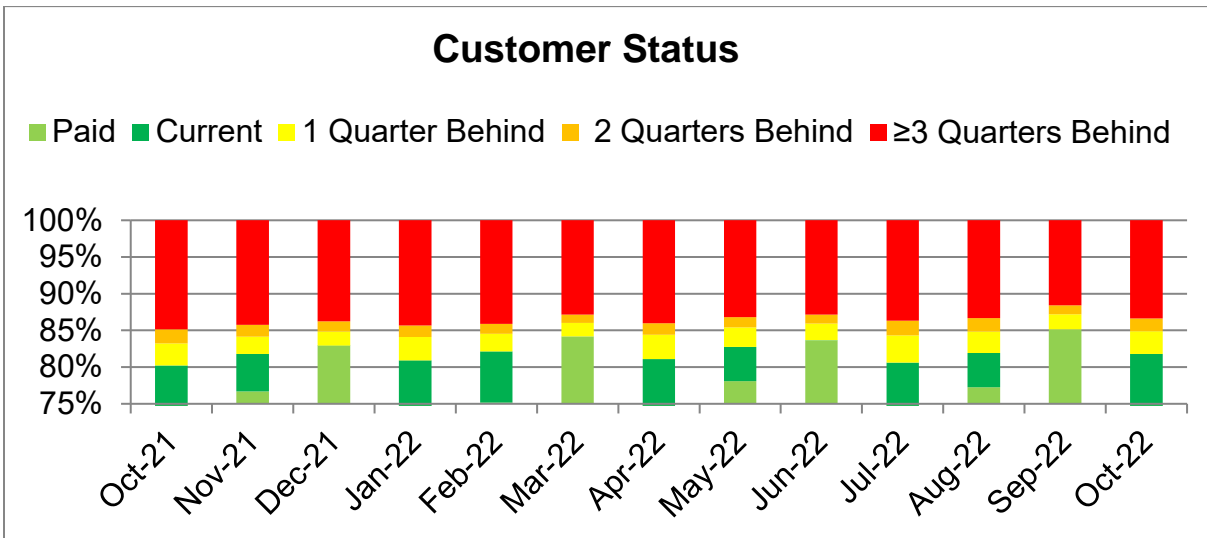
Budget Benchmark  
8.33%

	Oct-22 Actual	YTD Actual	FY 23 Budget	Favorable (Unfavorable)	Budget Expended	Oct-21 YTD
<b>Revenues</b>						
<b>Operating Revenues</b>						
Regional Sewer Service	\$ 1,461,696	\$ 1,461,696	\$17,501,000	\$ (16,039,304)	8.35%	\$1,409,957
Standby Sewer Service	8,919	8,919	108,000	(99,081)	8.26%	9,495
IQ Water Charges	194,259	194,259	2,352,000	(2,157,741)	8.26%	190,645
Admin. and Engineering Fees	1,287	1,287	63,000	(61,713)	2.04%	1,162
Other Revenue	52,448	52,448	516,265	(463,817)	10.16%	55,110
<b>Subtotal Operating Revenues</b>	<b>1,718,609</b>	<b>1,718,609</b>	<b>20,540,265</b>	<b>(18,821,656)</b>	<b>8.37%</b>	<b>1,666,369</b>
<b>Capital Revenues</b>						
Assessments	\$ 16,691	\$ 16,691	1,411,000	(1,394,309)	1.18%	
Line Charges	8,032	8,032	465,000	(456,968)	1.73%	5,528
Plant Charges	17,730	17,730	686,000	(668,270)	2.58%	34,424
Capital Contributions			140,000	(140,000)	0.00%	
<b>Subtotal Capital Revenues</b>	<b>42,453</b>	<b>42,453</b>	<b>2,702,000</b>	<b>(2,659,547)</b>	<b>1.57%</b>	<b>39,952</b>
<b>Other Revenues</b>						
Grants						
Interest Income	61,121	61,121	560,700	(499,579)	10.90%	3,308
<b>Subtotal Other Revenues</b>	<b>61,121</b>	<b>61,121</b>	<b>560,700</b>	<b>(499,579)</b>	<b>10.90%</b>	<b>3,308</b>
<b>Total Revenues</b>	<b>\$ 1,822,183</b>	<b>\$ 1,822,183</b>	<b>\$ 23,802,965</b>	<b>\$ (21,980,782)</b>	<b>7.66%</b>	<b>\$ 1,709,629</b>
<b>Expenses</b>						
Salaries and Wages	\$ 264,474	\$ 264,474	\$7,381,800	\$ 7,117,326	3.58%	\$255,512
Payroll Taxes	18,895	18,895	530,500	511,605	3.56%	18,169
Retirement Contributions	36,913	36,913	1,107,000	1,070,087	3.33%	34,947
Employee Health Insurance	129,682	129,682	1,542,500	1,412,818	8.41%	111,612
Workers Compensation Insurance	29,895	29,895	77,800	47,905	38.43%	28,502
General Insurance	226,396	226,396	423,520	197,124	53.46%	199,196
Supplies and Expenses	176,967	176,967	1,105,382	928,415	16.01%	139,681
Utilities	30,858	30,858	1,555,116	1,524,258	1.98%	98,175
Chemicals	17,519	17,519	634,000	616,481	2.76%	19,245
Repairs and Maintenance	262,057	262,057	1,940,780	1,678,723	13.50%	382,635
Outside Services	129,684	129,684	2,312,578	2,182,894	5.61%	123,506
Contingency			225,000	225,000	0.00%	
<b>Subtotal Operating Expenses</b>	<b>1,323,340</b>	<b>1,323,340</b>	<b>18,835,976</b>	<b>17,512,636</b>	<b>7.03%</b>	<b>1,411,180</b>
<b>Capital</b>						
Capital Improvements	\$ 37,124	\$ 37,124	12,741,414	12,704,290	0.29%	48,882
<b>Subtotal Capital</b>	<b>37,124</b>	<b>37,124</b>	<b>12,741,414</b>	<b>12,704,290</b>	<b>0.29%</b>	<b>48,882</b>
<b>Total Expenses</b>	<b>\$ 1,360,464</b>	<b>\$ 1,360,464</b>	<b>\$ 31,577,390</b>	<b>\$ 30,216,926</b>	<b>4.31%</b>	<b>\$ 1,460,062</b>
<b>Excess Revenues</b>						
<b>Over (Under) Expenses</b>	<b>\$ 461,719</b>	<b>\$ 461,719</b>	<b>\$ (7,774,425)</b>	<b>\$ 8,236,144</b>		<b>\$ 249,567</b>

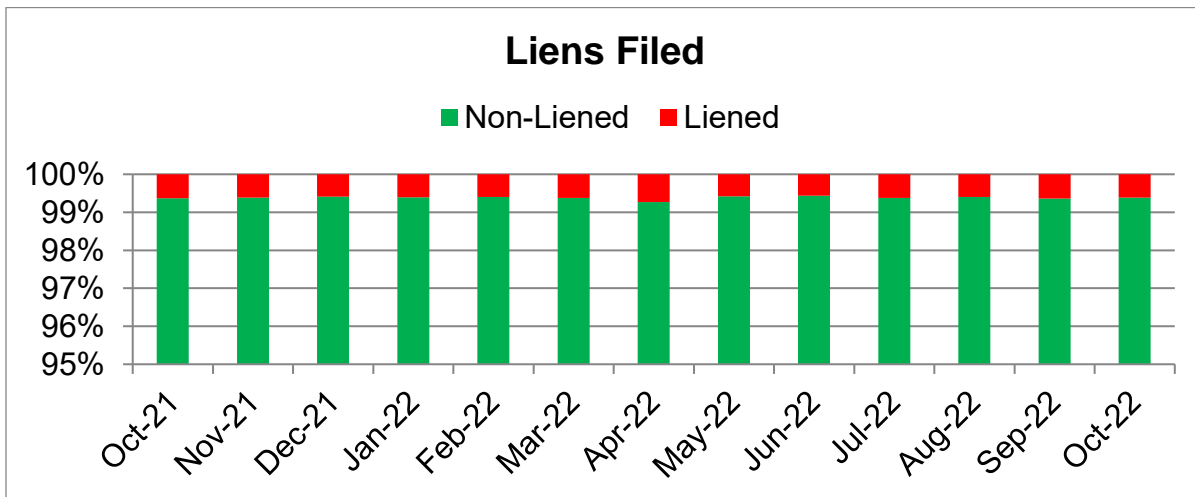
Total Capital expenses incurred and encumbered totalled \$9,558,101 or 75% of the capital budget. This includes funds encumbered in a prior fiscal year for projects that stretch across multiple fiscal years.

## Accounts Receivable

The chart below illustrates customers' receivable status as a percentage of quarterly sewer billing. Paid or current balances represent approximately 82% billing.



The District serves approximately 33,187 customers. Currently, the District has 205 liens filed which represent approximately 1% of our customers.



## Pending/Threatened Litigation

- Vehicle Accident – The District received a legal summons related to a vehicle accident involving a District vehicle. This claim is currently being handled through the District's General Liability Insurance provider, PRIA. PRIA has assigned the firm of Roberts, Reynolds, Bedard & Tuzzio, PLLC to represent the District.
- Beacon Lane – The District received a formal notice that a negligence claim is being made on behalf of a resident on Beacon Lane from injuries sustained as a result of septic and sewage over-flow at the property. We notified the District's legal counsel, the project engineers, the contractor, and the District's General Liability Insurance provider, PRIA.
- Turtle Creek Sub-system 2 & 3 – The Contractor stopped responding to the District regarding paving issues found by Martin County. The District's contract legal counsel, Delaparte and Gilbert, has sent a formal notice of latent defects to the Contractor.



## **Donation of District Generators**

Last month the Governing Board authorized the District to donate two surplus generators to Lee County, or a west coast government-owned utility that was impacted by Hurricane Ian. District staff worked with Florida Rural Water Association to find two government owned utilities that had the most need for generators. We are happy to report that an 80 KW generator was donated to the City of Punta Gorda (pictured top) and a 67 KW generator was donated to the City of Moore Haven (pictured bottom).

The City of Moore Haven is small and very economically challenged and the City of Punta Gorda served as the staging area in the southwest for response crews, equipment storage and emergency response support for others while they had significant damage themselves. Both cities have expressed sincere gratitude, as expressed in the 'Thank You' letters received by the District which are included in the following pages.







## CITY OF PUNTA GORDA

UTILITIES ADMINISTRATION  
326 WEST MARION AVENUE  
PUNTA GORDA, FL 33950  
(941) 575-3339  
[utility@CityofPuntaGordaFL.com](mailto:utility@CityofPuntaGordaFL.com)

D. Albrey Arrington Ph.D.  
Executive Director  
Loxahatchee River District  
2500 Jupiter Drive  
Jupiter, Florida 33458

D. Albrey Arrington,

The City of Punta Gorda would like to thank you for your generous donation of an 80KW generator to our city. We are incredibly humbled.

The donation of such a valued piece of equipment is beyond imagination. I hope not to have to face another disaster such as Hurricane Ian, but this generator will make recovery that much easier if the need ever arises.

Not only will this generator aid in our future recovery, it will be made available for mutual aid to assist others in their time of need.

Once again, the entire City of Punta Gorda would like to thank you and your organization for such an incredible donation.

Sincerely,

Neil Peters

City of Punta Gorda Utilities Director

(863) 946-0711  
FAX: (863) 946-2988

P. O. BOX 399

***City of Moore Haven***  
MOORE HAVEN, FL 33471



October 27, 2022

Reference: Donation of 67kw Portable Generator

Loxahatchee River Environmental Control District (the District)  
2500 Jupiter Park Drive  
Jupiter, FL 33458

The City of Moore Haven wants to thank the District for the donation of the 67kw portable generator. As the recent impact of Hurricane Ian has shown, the ability to recover quickly is critical to address damages and restore services as soon as possible to the residents of Moore Haven as well as have the ability to assist in other impacted areas as needed.

The portable 67kw generator will be a much needed asset in many every day and emergency situations and this donation truly helps as City funding is limited especially during the current economic conditions. And I would also like to thank the FRWA for their assistance and recommendation for this donation.

*Signed*  
Wayne Browning  
Mayor, City of Moore Haven



# LOXAHATCHEE RIVER DISTRICT

2500 JUPITER PARK DRIVE, JUPITER, FLORIDA 33458

TEL: (561) 747-5700

FAX: (561) 747-9929

D. Albrey Arrington, Ph.D. EXECUTIVE DIRECTOR

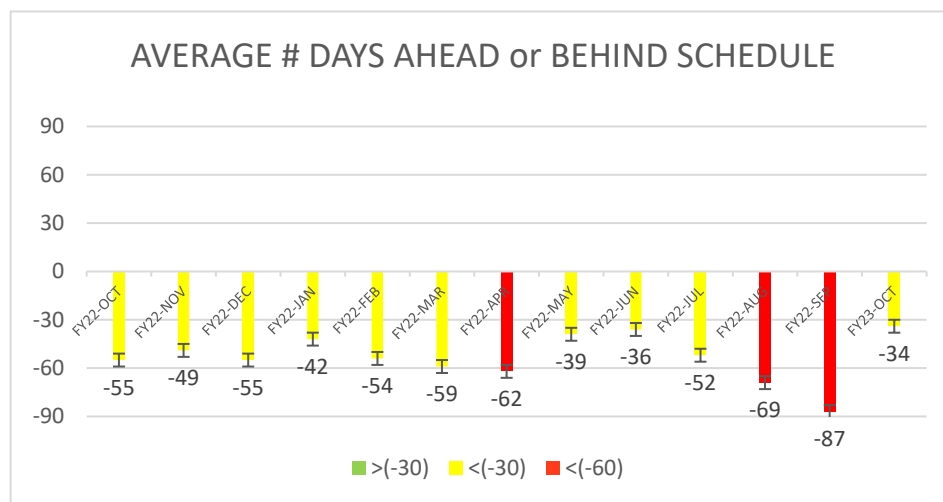
[loxahatcheeriver.org](http://loxahatcheeriver.org)

## MEMORANDUM

TO: D. Albrey Arrington, Ph.D., Executive Director  
FROM: Kris Dean, P.E., Deputy Executive Director/Director of Engineering Services  
DATE: October 10, 2022  
SUBJECT: Capital Program and Engineering Services Report

### Capital Projects

*Capital Schedule (FLOAT = -34 Days)*



October realized significant improvement in the overall Capital Program schedule. The improvement stemmed from several actions, the most impactful listed below.

**N21001 – Conceptual Master Planning for the 20 Acres** – Staff processed a time extension to account for time expended determining the ultimate site layout and building configuration. The time extension included a revised schedule with completion scheduled in January 2023.

James D. Snyder  
CHAIRMAN

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BOARD MEMBER

Stephen B. Rockoff  
BOARD MEMBER

Dr. Matt H. Rostock  
BOARD MEMBER

**N21008 – 2500 Jupiter Park Drive Site Planning** – Staff process a time extension acknowledging additional efforts on the security report, ultimate WWTF sizing, massing study and land use. The time extension included a revised schedule with completion in May 2023.

**R20023 – Rolling Hills Gravity Sewer System** – Staff processed a time extension acknowledging supply chain delays with the lift station control panel. The time extension included a revised schedule with completion in February 2023.

**N20019 – Permanent Generator at Headworks** – Staff processed a time extension acknowledging supply chain delays with transfer switches. The time extension included a revised schedule with completion in April 2023.

**N21009 – Injection Well Manual Transfer Switch Addition** – Staff processed a time extension acknowledging supply chain delays with transfer switches. The time extension included a revised schedule with completion in December 2022.

The remaining negative (-) float is attributed to the following causes:

Construction Delays:	36%
Supply Chain Issues:	28%
Design/Permit/Bid:	25%
Late Start:	10%
Planning Contracts:	0%

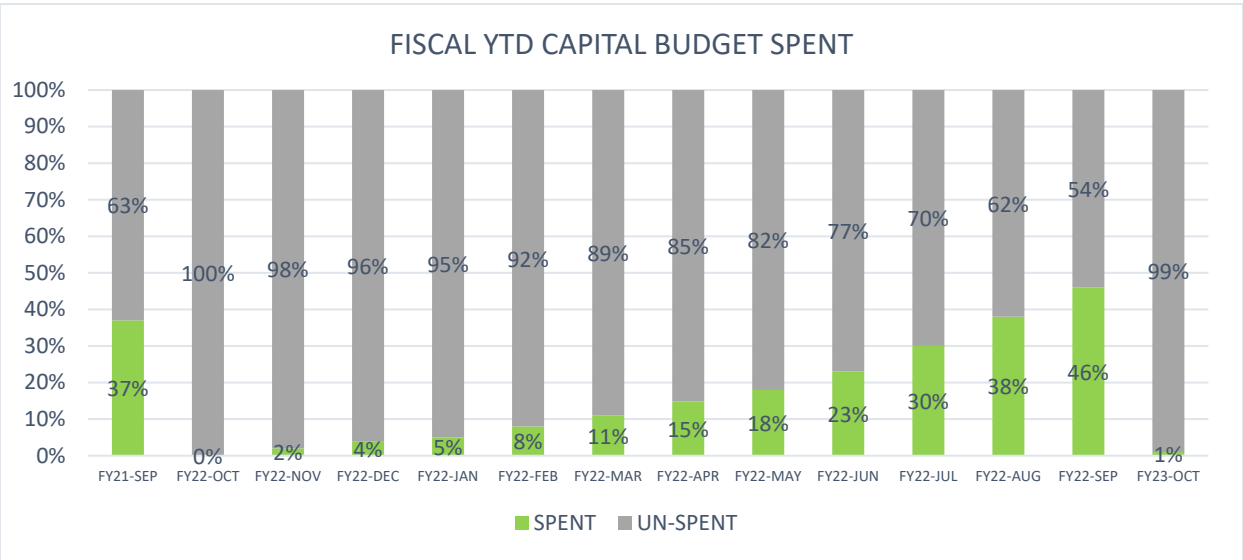
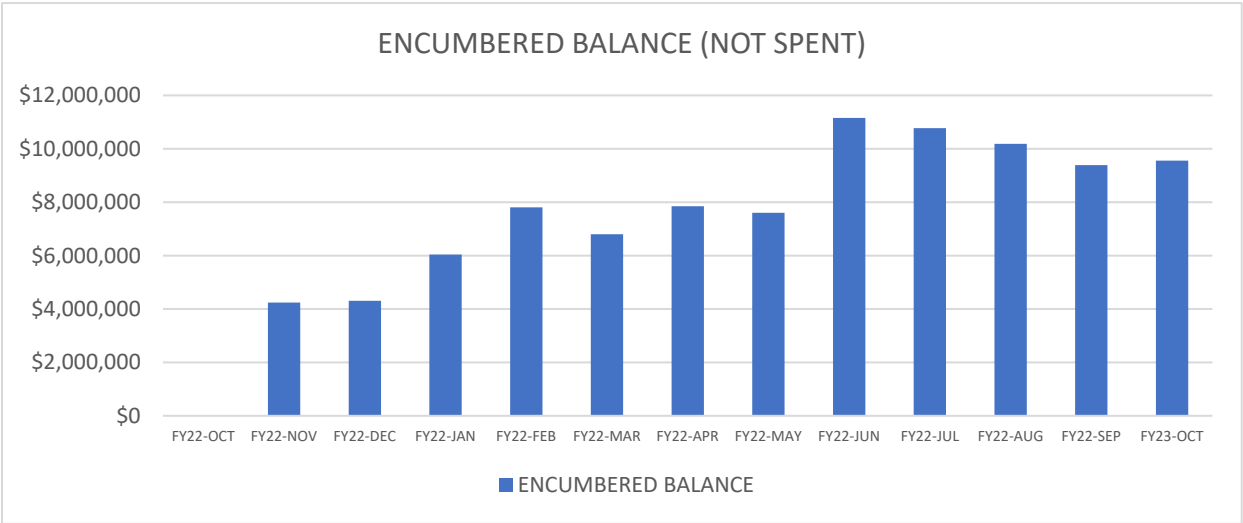
Construction delays have the largest impact to the negative float (36% from 6 projects total). Staff have worked with 4 projects to implement recovery schedules with project completion by the end of 2022. Staff are scheduling recovery meetings with the contractor and consultant on the remaining two projects.

Supply chain issues also have a significant impact to the negative float (28% from 3 projects total). As staff move forward more consideration will be given to procurement of materials and equipment at the earliest possible time through direct purchase by owner as opposed to including in the construction contract. Staff are also looking at alternatives to standard materials and equipment that may be more readily available.

Design/Permit/Bid also have a significant impact to the negative float (25% from 1 project total). Staff and the consultant have scheduled this project for Award at the January Board.

*Capital Budget*

Encumbered Balance (unspent encumbered funds) continues to decrease slowly as spending out paces new encumbrances as we near the end of the 2023 fiscal year.





## Project Updates

***Science Center and Jupiter Inlet Lighthouse Outstanding Natural Area (aka: BLM House Renovations):*** The consultant is working on comments to the 100% plans and specifications. Staff have pushed bidding another month which is resulting in a two-month delay on award of the project.

Advertise: 11/7/2022

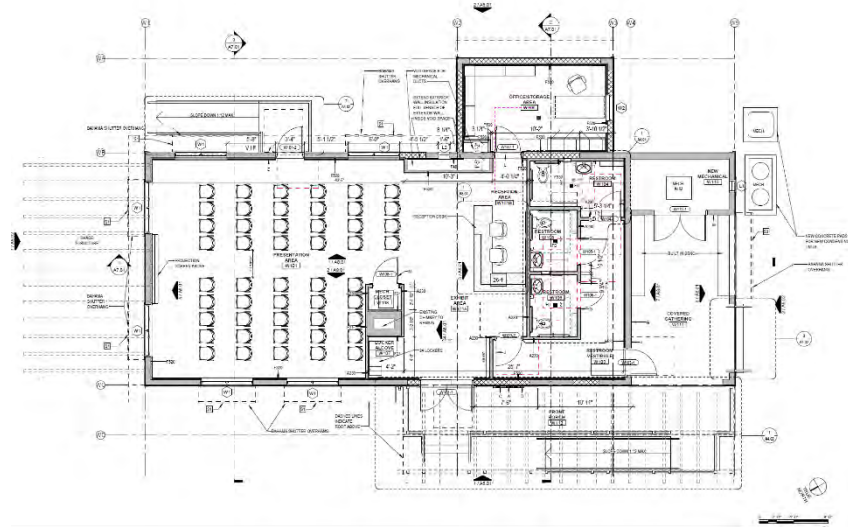
Pre-Bid Meeting:  
11/29/2022

Bids Due: 12/13/2022

Bonds Due: 12/15/2022

Recommendation of  
Award due: 1/5/2022

Award: 1/17/2023

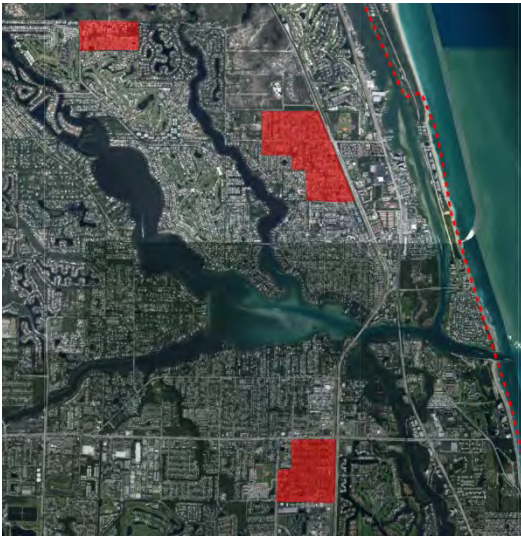


***2500 Jupiter Park Drive Site Planning:*** Since the presentation to the Board in May of this year staff and the consultant have continued to make progress on the massing study, architectural programming, potential treatment facility footprint and security review. Once these components are complete staff will provide revised site plans for Board discussion and consideration.

***20 Acres:*** Since the presentation to the Board in June of this year the consultant is proceeding with the conceptual master plan development including preliminary civil, electrical and schematic floor plans based on the presented site plan. This will be followed by completion of the Final Conceptual Master Plan, currently scheduled for January 2022.



## In-house Projects



***Gravity System Rehabilitation – Cleaning, TV Inspection and Lining:*** The contractor is working in LS041, LS018 and LS054. The current schedule shows completion with the 3 systems in December 2022.

This month staff are recommending award of the lateral lining contracts for these 3 systems and award of main lining contract for LS050.

## *Lift Station Rehabilitations General Construction Services:*

Station	Inspection	Design	Procurement	Construction
064	COMPLETE	COMPLETE	IN-PROCESS	-----
095	COMPLETE	COMPLETE	IN-PROCESS	-----
131	COMPLETE	COMPLETE	IN-PROCESS	-----
163	COMPLETE	COMPLETE	IN-PROCESS	-----
174	COMPLETE	COMPLETE	IN-PROCESS	-----
210	COMPLETE	COMPLETE	IN-PROCESS	-----
211	COMPLETE	COMPLETE	IN-PROCESS	-----
233	COMPLETE	COMPLETE	IN-PROCESS	-----
242	COMPLETE	COMPLETE	IN-PROCESS	-----
266	COMPLETE	COMPLETE	IN-PROCESS	-----

### ***Neighborhood Sewering/Remnant Properties:***

*5331 Center St.:* Design and permitting are complete for 5331 Center Street. This project includes a single service to be installed in easements coordinated by the property owner. Staff are coordinating with the contractor for a construction schedule.

*18041 and 18049 69<sup>th</sup> Terrace:* The property owner at 18041 69<sup>th</sup> Terrace provided easements and requested staff install sewers to a proposed two-unit residential project. Design and permitting are complete. This project includes a double service to be installed in easements. Staff are coordinating with the contractor for a construction schedule.

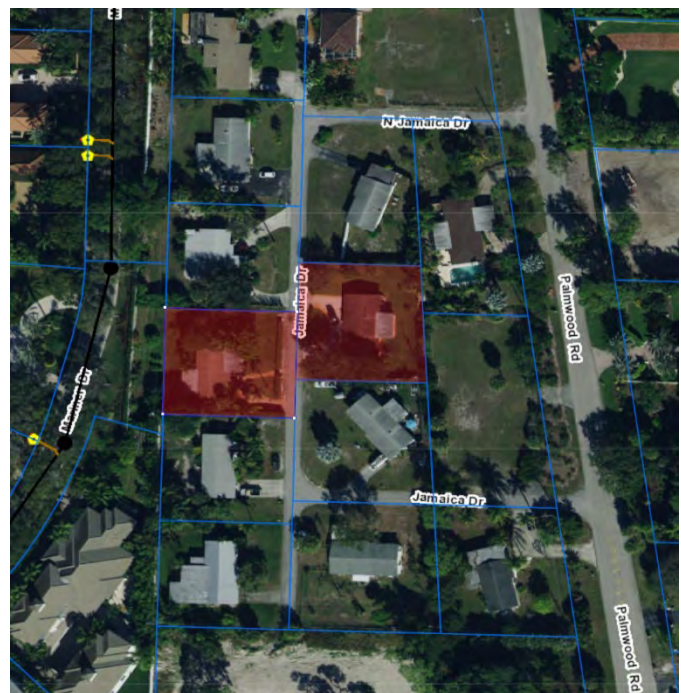
*18150 SE Woodbridge Lane:* Staff are in design and permitting. The project includes a single service to be installed in right of way. Staff are coordinating with the contractor for a construction schedule.

*Other:* Recent activity with Statutory Way of Necessity has postponed staff focusing on other remnant properties. Staff will begin working this Fall with IT and customer service to re-evaluate our system to confirm remnant areas on public right of way or with easement access have all been served.

### ***Statutory Way of Necessity:***

*Jamaica Drive Low Pressure Sewer:* Over the last two years staff have been coordinating with two property owners for utility easements to install sewers to their properties on Jamaica Drive without success. At this time both property owners have determined Statutory Way of Necessity is the preferred option and entered into letter agreements for staff to proceed on their behalf.

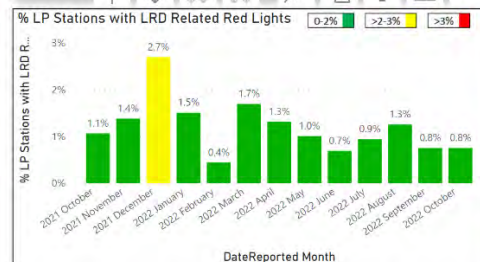
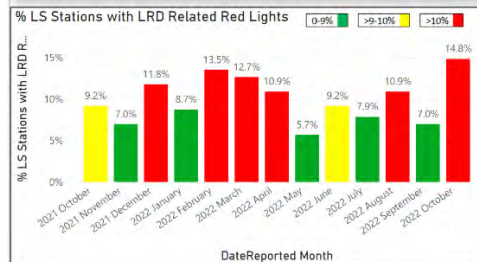
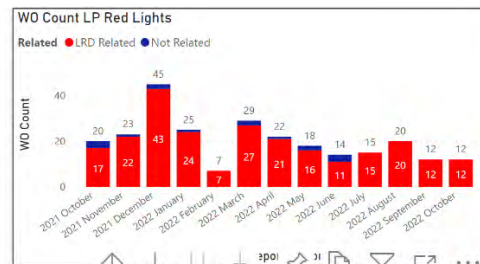
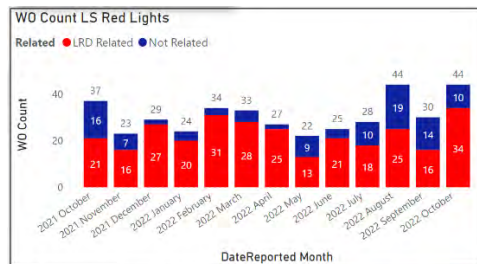
Agreements are in place. Staff are coordinating with the contractor for final pricing.



## **COLLECTIONS AND REUSE**

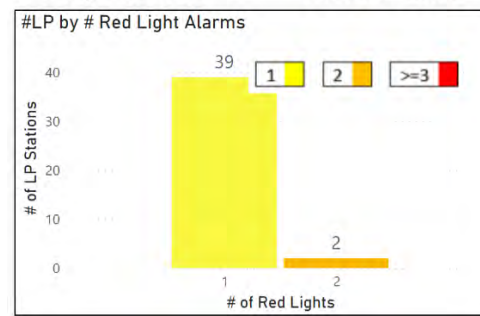
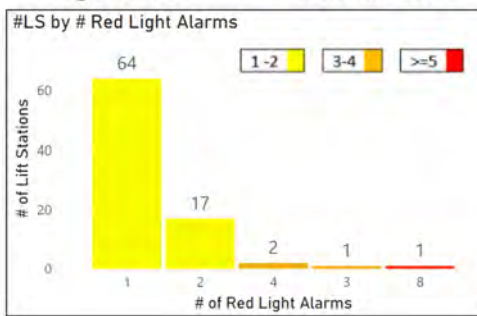
**Lift Station Red Lights:** This month the system experienced 56 total red lights. 44 lift station red lights (with 2 stations experiencing multiple red light events) and 12 low pressure red lights (with 0 stations experiencing multiple red light events).

Reporting excludes redlights due to FPL power failure since staff have no mechanism to impact FPL performance during inclement weather or other power outages. Staff continue to include FPL power outages in the 3-month rolling average for repeat stations and work order counts to facilitate FPL coordination on problem areas and potential use of portable standby power to ensure continuity of service.



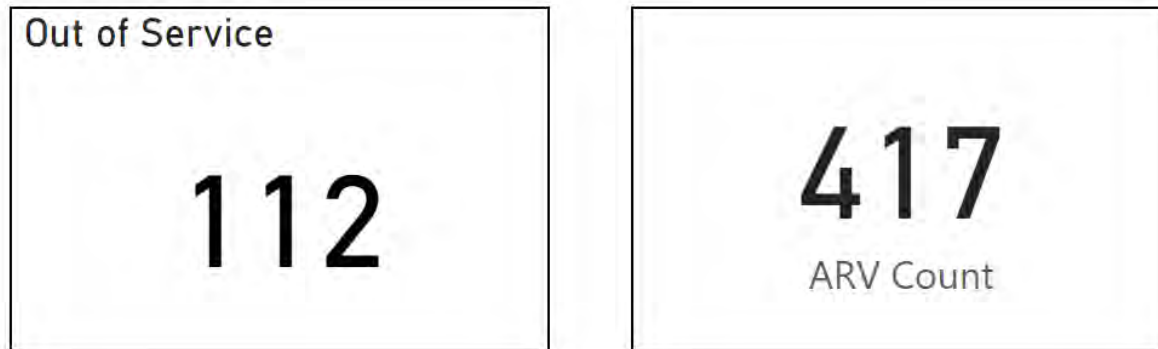
August 2022 - October 2022

August 2022 - October 2022

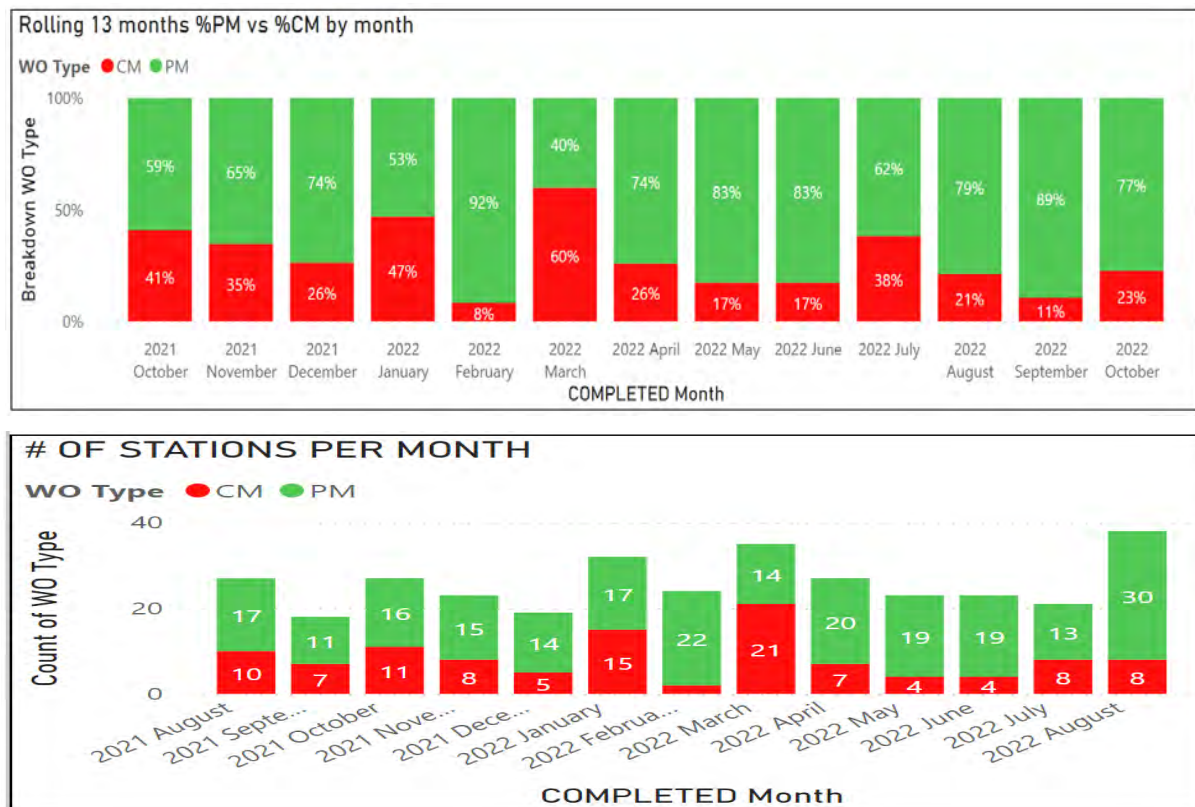




**Air Release Valves:** The ARV evaluation process has identified 417 ARVs with 112 out of service. 30 of the out of service ARVs are planned for removal and 29 are scheduled for repairs. The remaining 53 ARVs are under evaluation.



**Wet Well Cleaning:** Unscheduled wetwell cleanings totaled 8 for the month.





### UNAUTHORIZED DISCHARGES (fka SANITARY SEWER OVERFLOWS)

There were 3 unauthorized discharges in the collection-transmission-distribution system this month.

On October 6, 2022, the District had an unauthorized discharge of three gallons of sewage from a private residence low pressure system (LP0504) located on Harbor Road South, Jupiter, FL. The unauthorized discharge was caused by a failed pvc low-pressure check valve. The unauthorized discharge was stopped by closing the service valve until repairs could be made. Three gallons of the unauthorized discharge were absorbed into the soil. The affected area was disinfected with lime. No known storm drains or bodies of water were affected.

On October 5, 2022, the District had an unauthorized discharge of 107 gallons of sewage at the Jupiter Lighthouse located on Captain Armours Way, Jupiter FL. The unauthorized discharge was caused when a contractor, abandoning an existing septic system, disposed of one excavator bucket of septic sludge on the ground. The onsite consultants stopped the work immediately. The unauthorized discharge was absorbed into the soil and the remaining solids were collected for proper disposal. The affected area was disinfected with lime. No known storm drains or bodies of water were affected.

On October 10, 2022, the District had an unauthorized discharge of ten gallons of sewage from a gravity system (LS027-GL091) located on Hugh Street in Jupiter, FL. The unauthorized discharge was caused by damage to an eight (8) inch clay gravity line by a contractor excavating near the gravity line. The unauthorized discharge was stopped by making a temporary repair until permanent repairs could be made. Ten gallons of the unauthorized discharge were absorbed into the soil and the remaining solids were collected for proper disposal. No known storm drains or bodies of water were affected.



# LOXAHATCHEE RIVER DISTRICT

2500 JUPITER PARK DRIVE, JUPITER, FLORIDA 33458

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D. Albrey Arrington, Ph.D. EXECUTIVE DIRECTOR

[loxahatcheeriver.org](http://loxahatcheeriver.org)

## MEMORANDUM

TO: Albrey Arrington, Ph.D., Executive Director

FROM: Jason A. Pugsley, P.E., Operations – Plant Manager

DATE: November 9, 2022

SUBJECT: October 2022 Operations Department Monthly Report

### **Treatment Plant Division/Maintenance Department**

Overall, the month of October was productive with all monthly reports prepared and submitted on time. There were no permit exceedances this month. The treatment plant generally operated efficiently and met all treatment objectives. During the month, influent flows to the plant were on the same order of magnitude as the previous month.

The plant experienced three (3) unauthorized discharges during the month October. The most significant discharge, which resulted in approximately 16,000-gallons of highly disinfected irrigation quality (i.e., reclaimed) water onto the ground, occurred due to a catastrophic failure of a union coupling on 1-inch diameter PVC ball valve on the non-potable service water piping dedicated to the headworks odor control unit. As a result of this discharge, all service piping at this location was upgraded and replaced. These improvements are discussed in more detail later in this report. The second unauthorized discharged resulted in a total of 1-gallon of IQ water being released onto the ground due to a leaking fitting on the PVC non-potable water piping adjacent to the chlorine contact chamber. The third unauthorized discharge, which resulted in a total release of 1-gallon of IQ water, occurred as a result of a hairline crack on a strainer fitting on a non-potable water service line.

All three (3) unauthorized discharges were properly reported in accordance with the applicable regulatory requirements and the ground in the vicinity of the areas where the discharges occurred were disinfected with lime. No bodies of water or storm drains were affected.

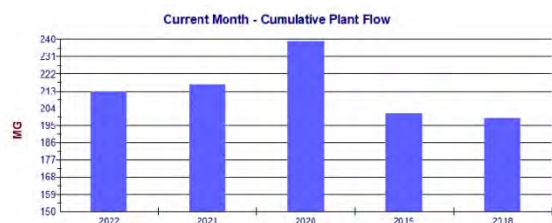
James D. Snyder  
CHAIRMAN

Gordon M. Boggie  
BOARD MEMBER

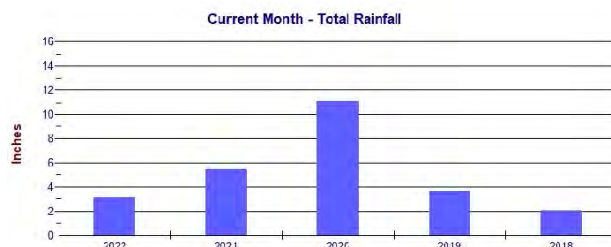
Stephen B. Rockoff  
BOARD MEMBER

Dr. Matt H. Rostock  
BOARD MEMBER

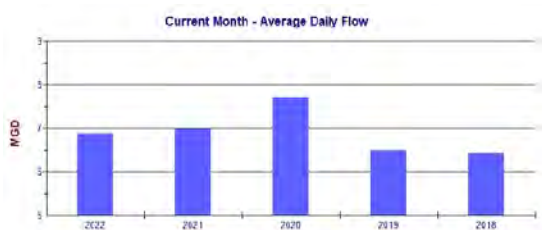
Graphical summaries of the plant flows and rainfall during the month of October, including comparisons with plant flows during the previous month (i.e., September 2022), are presented below.



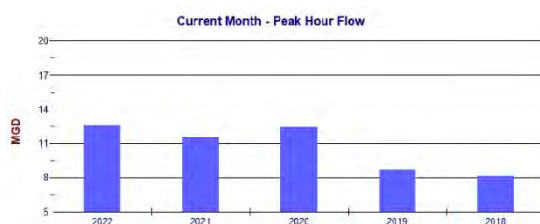
The Cumulative Influent Flow to the plant for the month of October was 212.95 million gallons. This is greater than the September flow of 192.55 million gallons.



3.16 inches of total rainfall was recorded at the plant site during the month of October. This is significantly less than the September rainfall recorded of 8.72 inches.



The Average Daily Flow (ADF) for the month of October was recorded at 6.87 MGD compared to 6.42 MGD during the month of September and 6.97 MGD during October 2021.

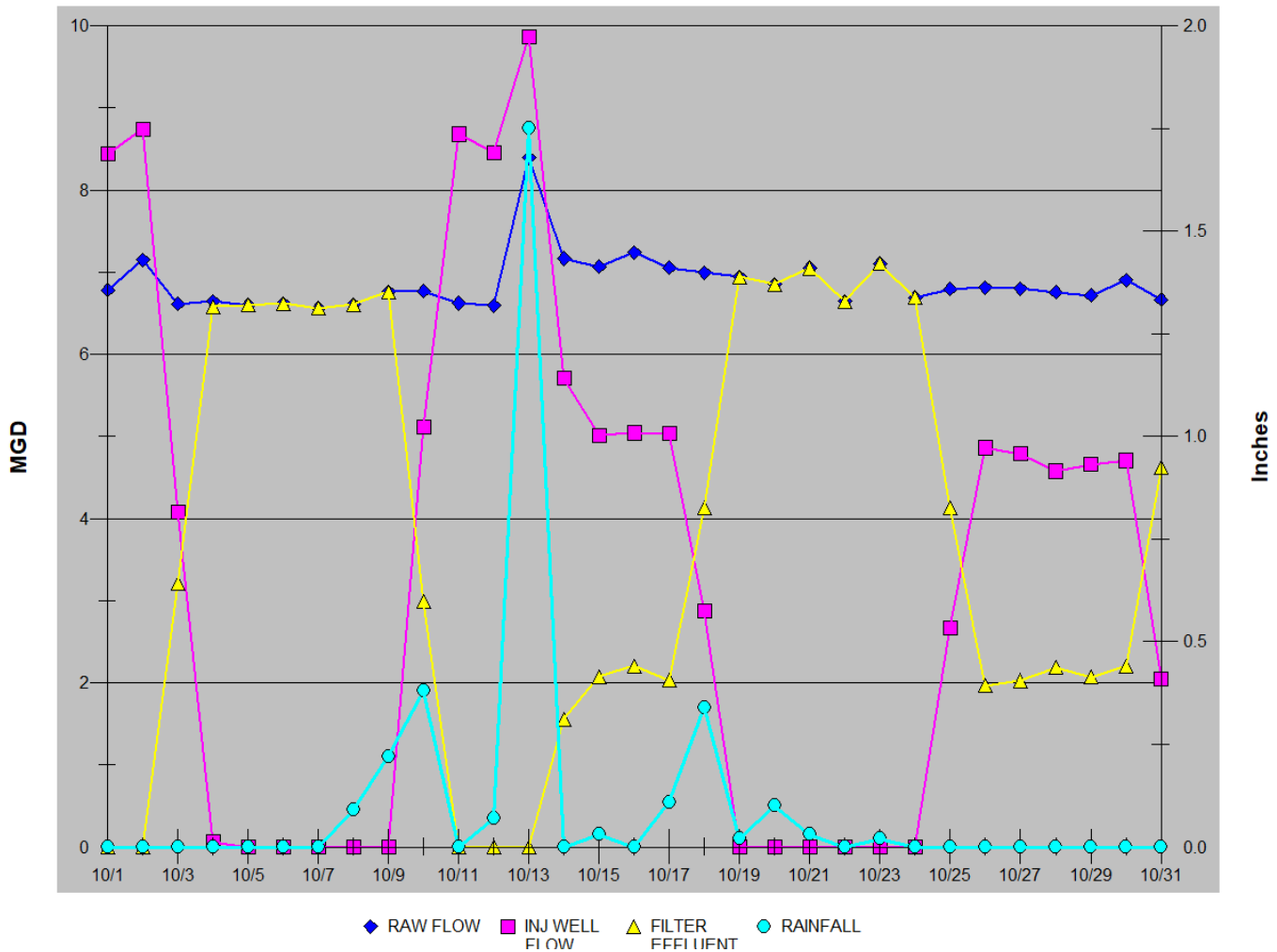


The Peak Hour Flow (PHF) for October was 8,701 GPM which equates to an equivalent daily rate of 12.53 MGD. This is a significantly higher than the PHF for September of 5,743 GPM (8.27 MGD).



The Maximum Daily Flow (MDF) in October was 8.39 MGD. This is slightly greater than the MDF for September of 8.04 MGD.

For the month of October, 55.60% or 118.4 MG of the cumulative influent flow to the plant was sent to the IQ storage system where it was distributed, as needed, to the various golf courses and the Abacoa development sites. A total of 30.99 MG of blended effluent was diverted to the Deep Injection Well. The plant delivered a total of approximately 162.61 million gallons of IQ water to the reuse customers during the month of October.



Year to date (i.e., Calendar Year 2022), approximately 81.06% of all influent flow to the plant was treated and available for reuse as IQ water. The total volume of IQ water distributed to reuse customers for the year stands at 1,952.27 million gallons.

**All monthly reporting was submitted on time.**

### **Treatment Plant:**

Operations Staff continued to work diligently to perform routine monitoring, sampling and general maintenance of equipment and structures. Staff also completed special projects during the month including working with Engineering and Collections Team members to complete a detailed condition assessment of Plant Lift Station No. 2. Plant Lift Station No. 2 (PLS-2) receives waste streams for various sources including Clarifier No. 1 scum and domestic wastewater from the Operations, Warehouse and Maintenance Buildings. As part of the assessment, flows to PLS-2 were isolated and the station was removed from service to facilitate the completion of a confined space entry to complete a physical inspection of the wet well and interior lift station components. The findings of the assessment will be used to develop a plan to rehabilitate and/or replace specific equipment and components at the lift station with the objective of bringing the station up to meeting current District standards.



**Plant Lift Station No. 2 – Condition Inspection**



During the month of September, Operations worked with Maintenance Team members to make specific improvements to the 4-inch diameter drain piping at the chlorine contact chamber. The improvements were intended to address air binding/vacuum issues observed when using the existing sump pump units to drain the chlorine contact chambers for periodic inspection. To address these issues, Staff modified the piping to facilitate the installation of dual-purpose air/vacuum relief valve. Since completing the improvements, the system has been operating without issue.



**Chlorine Contact Chamber – Drain Piping Improvements**

### **Maintenance Department:**

The Maintenance Department continued to efficiently perform planned maintenance (PM) tasks over the last monthly period. In addition to the completion of standard PM tasks, the Maintenance Department addressed non-routine maintenance items as well as “special projects.” A few examples of these types of projects are presented below.

Maintenance Team members continued to rehabilitate specific components at Clarifier No. 3. The work being performed includes the surface preparation and re-painting of the clarifier mechanism and sludge scraper arms. Surface preparation is a very tedious process because it involves the systematic media (i.e. sand) blasting all ferrous metal surfaces and the immediate painting of these mechanisms to mitigate the potential formation of surficial rust developing due to moisture and humidity in the ambient air. Depending on weather conditions, the work flow usually includes surface preparation blasting in the morning followed by painting of the clean surfaces the same afternoon. This process only allows for small portions of the mechanism to be completed daily.



**Clarifier No. 3 – Surface Preparation and Re-Painting of the Mechanism**

During the month of October, Maintenance Team members assisted the Collection Team with the delivery, offloading and temporary storage of a new diesel driven, emergency standby generator. The generator unit will be permanently installed at one of the District's collection lift stations as part of upcoming planned improvements.



**Offloading of Emergency Standby Generator Unit**

Lastly, the Maintenance Team worked with Operations to complete improvements to the non-potable, service water piping dedicated to the headworks odor control unit. The improvements included the demolition of two (2) unused hose bib service water connections, replacement of the service water piping and the installation of a pressure reducing assembly to facilitate proper service pressures along the service leg to the odor control unit.



**Headworks Odor Control - Service Water Pressure Reducer Assembly**





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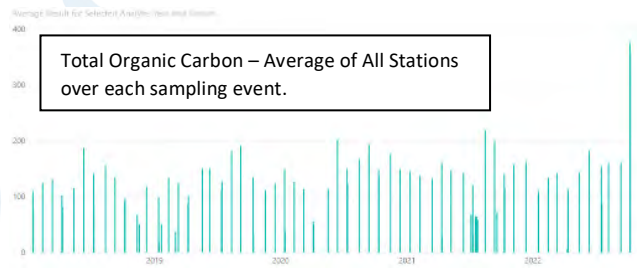
## MEMORANDUM

TO: Albrey Arrington, Ph.D., Executive Director  
FROM: Bud Howard, Director of Information Services  
DATE: November 10, 2022  
SUBJECT: Information Services Monthly Governing Board Update for October 2022

### WildPine Ecological Laboratory Riverkeeper Project

In October, the lab staff and our partners collected 160 water quality samples from 30 monitoring stations throughout the watershed. In addition, a total of 70 fecal indicator bacteria samples were tested in support of additional testing for the weekly bacteria monitoring program and the additional monthly testing in Jones and Sims Creeks.

The overall water quality score for October 2022 scored “Fair” with 71% of all samples meeting the EPA/DEP water quality criteria. This was worse than last month’s score of 81% and similar to last year’s score of 70% for October (see score card below). Interestingly, the scores calculated this October (post Hurricane Ian) are almost identical to the scores from October 2021, which, despite high freshwater flows, suggests that Hurricane Ian did not negatively impact system. However, we saw subtle short-lived changes in water quality at some sites including lower salinity, brown water, and higher organic carbon, nearly two times higher than normal (chart at right).



*Total Nitrogen* scored “Good” during October with 100% of sites meeting the water quality criteria. This was identical to last month’s score and last year’s score. *Total Phosphorus* scored “Fair” with 73% of sites meeting the criteria, which was down from last month’s score of 95%, but similar to last year’s 75%. *Chlorophyll*, which has historically poor water quality in October, scored “Poor” with only 40% of sites meeting the criteria, which was down from last month’s score of 79% and worse than last year’s 50%. For the combined *Fecal Indicator Bacteria* (fecal coliforms in all waters, enterococci in marine and brackish waters and *E. coli* in fresh waters), October scored 71%, similar to September’s score of 68%, and marginally better than last year’s “Fair” score of 64%.

James D. Snyder  
CHAIRMAN

Gordon M. Boggie  
BOARD MEMBER

Stephen B. Rockoff  
BOARD MEMBER

Dr. Matt H. Rostock  
BOARD MEMBER

10/1/2021

10/31/2022

# Loxahatchee River District Water Quality Scorecard

Results scored to FDEP/EPA Water Quality Criteria

Green - Good: 80% - 100%

Yellow - Fair: 60% - 79.9%

Red - Poor: &lt; 60%

## Monthly Water Quality Score

October  
2022

71%  
Overall

160  
Total Samples

TN: Total Nitrogen, TP: Total Phosphorus, CLA: Chlorophyll a, BAC: Enterococci and E. coli bacteria

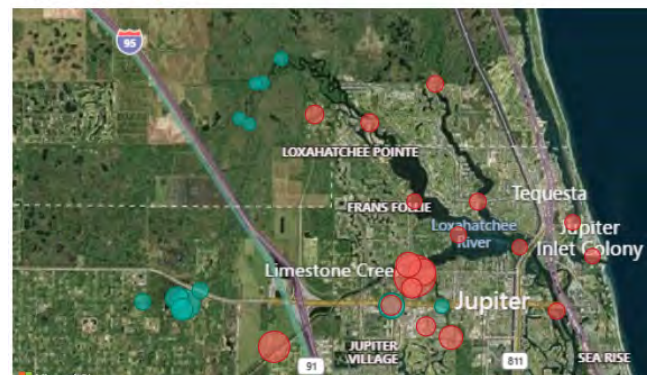
Year	Month	# Samples	Overall Score	# TN Samples	Total Nitrogen Percent Good	# TP Samples	Total Phosphorus Percent Good	# CLA Samples	Chlorophyll Percent Good	# BAC Samples	Bacteria Percent Good
2022	October	160	71%	30	100%	30	73%	30	40%	70	71%
2022	September	104	81%	19	100%	19	95%	19	79%	47	68%
2022	August	162	80%	26	88%	26	88%	26	77%	84	76%
2022	July	159	72%	30	93%	30	70%	30	47%	69	75%
2022	June	123	76%	16	88%	16	75%	16	69%	75	75%
2022	May	119	84%	21	95%	20	85%	20	80%	58	81%
2022	April	147	82%	26	96%	27	81%	27	48%	67	91%
2022	March	123	88%	16	100%	16	100%	16	88%	75	83%
2022	February	153	86%	26	88%	26	88%	26	85%	75	84%
2022	January	152	88%	28	100%	28	89%	28	79%	68	85%
2021	December	126	87%	17	100%	17	94%	17	76%	75	84%
2021	November	129	86%	26	92%	26	92%	26	81%	51	82%
2021	October	164	70%	28	100%	28	75%	28	50%	80	64%
Total		1821	80%	309	95%	309	84%	309	67%	894	78%

## Spatial Distribution of Water Quality Results

In October, Chlorophyll results met the water quality criteria at only 12 out of 30 sites. The highest value was observed at Station 73 in Sims Creek at the Center Street Bridge with 30 µg/L. Chlorophyll results scored "Poor" at the majority of the other estuary stations (ranging from 4 to 20 µg/L).

Chlorophyll a (µg/L)

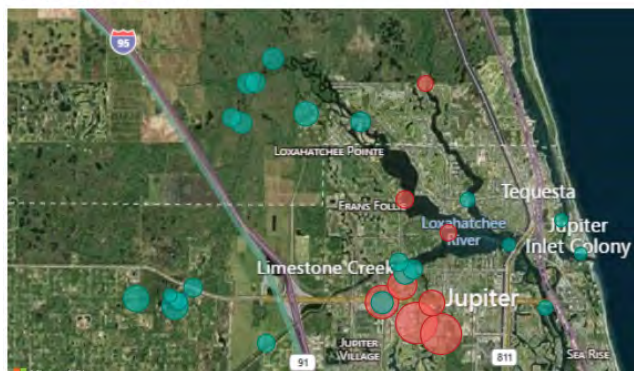
CHL\_Score ● GOOD ● POOR





Total Phosphorus (mg/L)

TP\_Score ● GOOD ● POOR

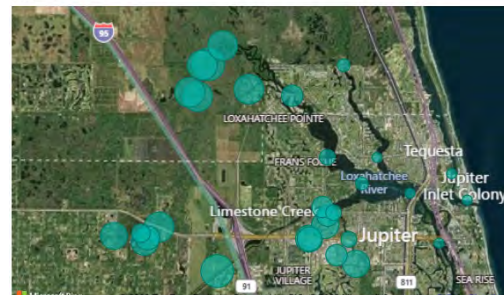


Total Phosphorus (TP) results scored “Good” at 22 out of 30 sites in October. Most of the “Poor” stations were located in Sims/Jones Creeks which have a water quality criterion of 0.075 mg/L Phosphorus. Caloosahatchee Culvert (CALC) and the Toney Penna Footbridge (TPJ), both in Jones Creek, had the highest TP value of 0.15 mg/L.

Total Nitrogen results scored “Good” at all 30 sites in October. The highest values were all located out west and tested at around 1 mg/L, which is good compared to the freshwater quality standard of 1.5 mg/L.

Total Nitrogen (mg/L)

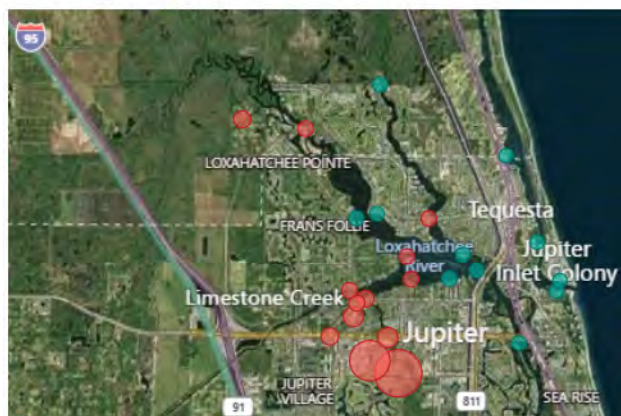
TN\_Score ● GOOD



The fecal indicator bacteria results scored “Fair” again for the fifth month in a row, which is not unusual for this time of year, but the good news is the concentration levels of bacteria were lower in October. For Enterococci (see map below left), the preferred indicator bacteria for salt and brackish waters, thirteen stations scored “Poor”. All stations sampled in Jones/Sims Creeks scored “Poor” in October. This month, the Toney Penna Footbridge (TPJ) again had the highest enteric count at 3,968 MPN/100 mL, which was down from last month’s 6,867 MPN/100 mL. Caloosahatchee Culvert (CALC) was second highest at 3,130 MPN/100 mL, and down from last month’s 4,352 MPN/100 mL. The other poor scoring stations ranged from 131 to 689 MPN/100 mL. For E. coli, the preferred indicator bacteria for freshwater, only one station scored “Poor”. Sim’s Canal (Station 74) had the highest E. coli count at 1,250 MPN/100 mL. The other eleven sites all scored “Good”.

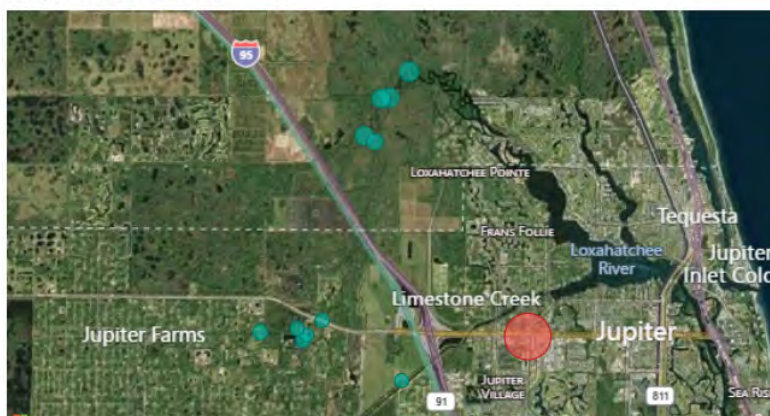
Enterococci Bacteria - Criteria: 130 MPN/100mL

ENT\_Score ● GOOD ● POOR



E. coli Bacteria - Criteria: 410 MPN/100mL

ECOL\_Score ● GOOD ● POOR



## Western 20 Acre Lake Site



In July, Wildpine Laboratory staff began collecting water samples on a monthly basis from the lake on the District's 20 acre property west of town to document conditions in preparation for remediation planning and permit applications. So far, we have not had any unusual results in the water quality testing. The next step is to evaluate the sediments. Staff collected five (5) sediment samples throughout the lake (figure above). Samples were processed and sent to Pace Analytical Labs to be analysed for a long list of priority contaminants that FDEP has deemed are harmful to the environment.

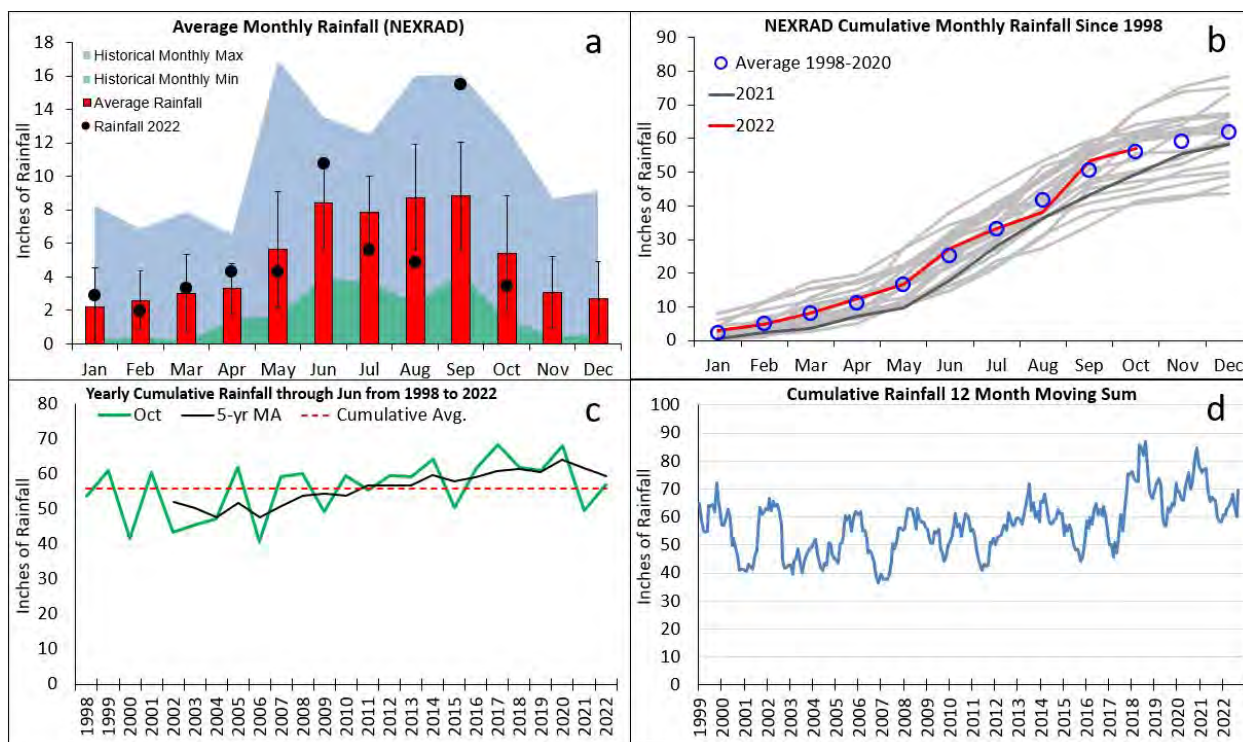
## Laboratory Biennial Inspection

The lab completed their rigorous biennial inspection for the Florida Department of Health certifications of the various analyses that we perform in-house. Once again, the lab staff performed exceptionally well with only minor deficiencies and strong compliments from our inspector. At this point we have provided our response to the deficiencies and the Lab Inspector is submitting their final report to FDOH. We hope to receive our recertification in the coming weeks. *A huge shoutout goes out to Sue Noel, the lab manager, Jerry Metz the QA Officer, and the entire Lab Team for, once again, performing so well on these very challenging inspections!*

## Hydrologic Monitoring

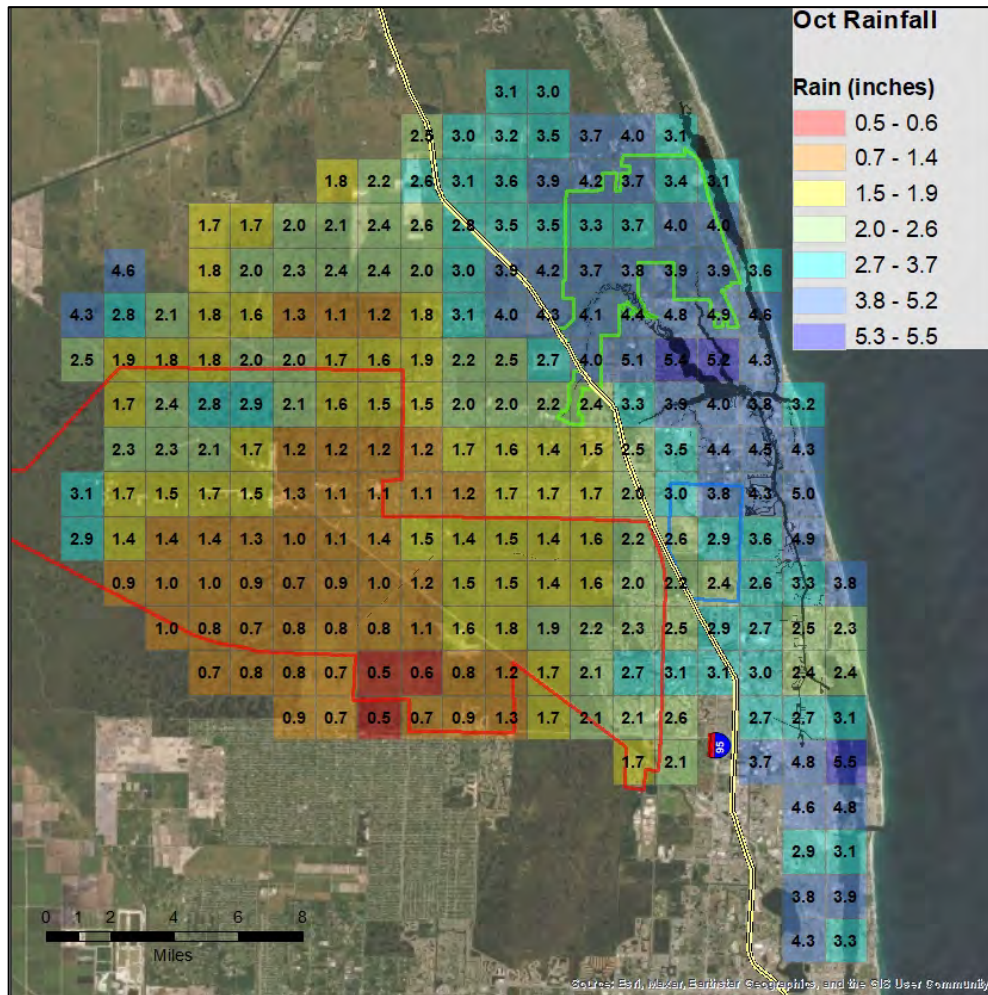
Rainfall, measured across the watershed, during October was substantially below the monthly normal with a total of 3.4", about 37% below the historical October average of 5.4" (panel 'a' in figure below). Rain was detected at least somewhere in the watershed on 23 days throughout October with the highest single-day total of 1.1" recorded on October 13. Year-to-Date cumulative rainfall through October was 56.9", about 2%, or 1", below the long-term average of 56.0" during the same period (panel 'b' in figure below).





Figures above display various measures of rainfall. Panel (a) shows average monthly rainfall from 1998 to 2021 (red bars; error bars indicate  $\pm 1$  sd). Black dots indicate monthly rainfall for 2022. The blue and green shaded areas show the maximum and minimum rainfall ever recorded for each month. Panel (b) shows monthly cumulative rainfall for each year since 1998. Red line indicates cumulative rainfall during 2022; dark grey line indicates rainfall during 2021. Blue circles are monthly cumulative average rainfall measured between 1998-2021. Panel (c) shows cumulative annual rainfall using NEXRAD radar-based data. Green line indicates cumulative rainfall through indicated month for each year since 1998, when the radar-based rainfall measurements began. Black line is the 5-year moving average across all years and red dashed line shows cumulative average through indicated month. Panel (d) shows cumulative 12-month moving sum of monthly rainfall.

The spatial distribution of rainfall across the watershed ranged from 0.5” in the driest regions to about 5.5” in the wettest regions (figure below). In general, rainfall during October began exhibiting dry season distribution where the highest amounts of rain were along the coast (east of I-95) including the urban portion of Jupiter and Juno and driest areas were along areas west of I-95, especially within the C-18 basin and Loxahatchee Slough.



*Rainfall distribution across the watershed using NEXRAD data. Each pixel represents an area of 2 km x 2 km. Blue colored pixels show highest rainfall and red pixels show lowest rainfall. For reference, the red line is the C-18 basin which includes portions of J.W. Corbett WMA, Loxahatchee Slough, and Pine Glades Natural Area; green line shows Jonathan Dickinson State Park boundary, light blue line shows the Abacoa development.*

The reduced rainfall during October had a corresponding effect on river flows as measured by flows at Lainhart Dam and the S-46 flood control structure. Entering the month, flow through the Lainhart Dam started at 320 cfs and decreased throughout the month to a low of 114 cfs on October 31.

Flood control releases measured at the S-46 flood control structure showed diminished flows that started with Hurricane Ian that gradually decreased through October. Early in the month there were two days above the “Moderate Flow” threshold of 350 cfs that peaked at 429 cfs on October 2nd. Flows had ceased by October 20 when water stage height within the C-18 had crossed below 14.5”.



Flow measurements during October 2022 through the Lainhart Dam (top graph) and the S-46 flood control structure (center graph). Also shown are the daily rainfall as measured at the LRD plant site (green bars in top figure) and the Moderate Flow (yellow dashed line in middle figure showing 350 cfs) and High Flow (red dashed line in middle figure showing 700 cfs) which would indicate stressful conditions to estuarine habitats because of low salinity associated with these flows. Bottom graph shows stage (or height) level of the C-18 upstream of the S-46 flood control structure.



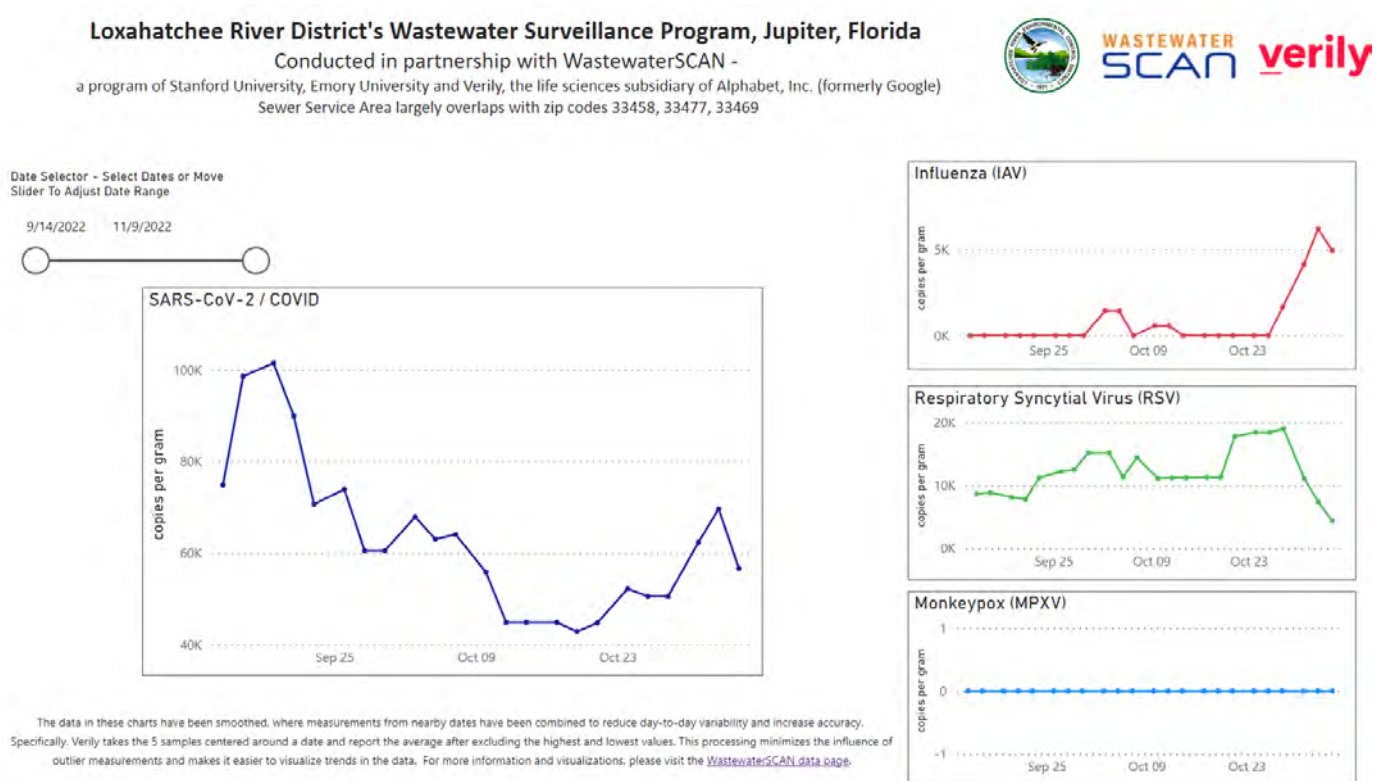
## Seagrass Monitoring

In October the Lab Team completed a very busy Summer of seagrass monitoring in support of two monitoring programs that we will feature in this month's Watershed Status Report. The exciting news is that some sites showed improvements in seagrass coverage.

## Wastewater Surveillance of COVID-19

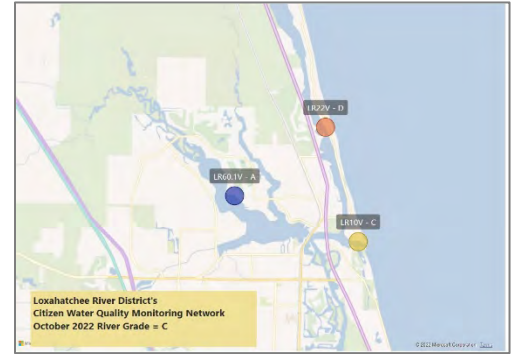
The wastewater surveillance monitoring for October started with the lowest result seen since March of this year. Since then the SARS/COVID-19 virus concentrations appear to be on a gradual increasing trend again. The twice-weekly sampling under the CDC program helps us appreciate the variability inherent in this testing.

Last month we published our new data visualization for the WastewaterSCAN monitoring program results that we are conducting in partnership with Verily, the life sciences subsidiary of Alphabet, Inc (formerly Google). Under the WastewaterSCAN program we are testing 3 days per week for SARS/COVID-19, Influenza A, RSV and Monkeypox. Most recently we have seen increases in Influenza and Covid, and a solid presence of RSV.



## Volunteer Water Quality

The overall Volunteer Water Quality grade for October 2022 scored a “C”. The scores for the Jupiter Inlet site, were influenced by tannic freshwater during outgoing tide and presently along the coast, which resulted in poor scores for water color and clarity that contributed to the low final grade. The volunteers measured decreased dissolved oxygen and salinity at Station 22 (ICWW) that resulted in very low scores. In the NW Fork, at Station 60.1, conditions were maintained within historical ranges.



Site	Averaged results for the Month							Monthly Cumulative Grades						Cumul. Monthly	
	Temp (F)	Secchi	Salinity	pH	DO	DO%	Color	Vis	Salt	pH	DO	DO%	Color	Score	Grade
LR10V	26.2	1.8	29.2	8.08	6.2	90.5	1.6	D	B	B	B	B	F	70.0	C
LR22V	25.3	1.5	29.8	8.13	4.7	67.2	1.0	A	F	A	F	F	A	66.7	D
LR60.1V	25.0	1.2	22.0	8.0	6.8	92.7	1.0	C	C	A	A	A	A	91.7	A
Average	29.3													73.3	C

VAB (Visible at Bottom)

DO (Dissolved Oxygen)

ND (No Data)

## Customer Service

### Payment Processing

The Customer Service Team began the distribution of the 4<sup>th</sup> Quarter Billing on October 12. Immediately after those bills went out the Team was busy processing over 10,000 payments totalling over \$1.4M from our quick paying customers.

### Check Scanning & Online Bill Pay Solution

With the flood of payments, the Customer Service Team is building experience with our new check scanning hardware and software solution. This solution also consolidates and manages the payments coming from our customers paying through their banks online bill pay service. As the staff builds experience using the new system, they are starting to realize the time savings and simpler process compared to our previous tools and workflows.

## Information Technology (IT)

### Sanitary Sewer Overflow (SSO) Improved Dashboard Creation

We continue to improve the analytics of our monthly reporting for the District. To streamline our tracking and reporting of SSO events at multiple levels within the organization, we have created a tool that summarizes the SSO data directly from our work order management system. With this new tool, the staff who aggregate the relevant data can easily explore the detail data by drilling down to a specific work order to ensure complete and accurate information.

The diagram illustrates the data flow for SSO reporting. It starts with the 'SSO Monthly Rollup' table, which lists months from September 2021 to October 2022. An arrow points to the 'SSO Work Orders by Month' table, which provides a detailed breakdown of work orders by month, including specific work order numbers and counts. Another arrow points from this table to the 'LRD Executive Dashboard', which summarizes the data by month and year.

Year	Month
2021	September
	October
	November
	December
2022	January
	February
	March
	April
	May
	June
	July
	August
	September
	October
	Total

Year	Month	Count	Value	Count
2021	September	1	357	0
	1702896	1	50	0
	1703823	1	5	0
	1704457	1	1	0
	1704863	1	300	0
	1708900	1	1	0
	October	2	1,050	0
	1709138	1	50	0
	1709239	1	0	0
	1711469	1	1,000	0
	November	2	565	0
	1715735	1	10	0
	1715924	1	5	0
	1716075	1	500	0

Year	Month	Count	Value
2021	Sept	357	0
	Oct	1,050	1
	Nov	565	0

*SSO monthly reporting with drill down functionality that ultimately feeds data into the Executive Dashboard*

### Network Penetration Test

As part of our partnership with Palm Beach County, the District participated in a network security assessment and penetration test as part of a broader cyber security check conducted by the Department of Homeland Security. We are pleased to announce that the District network performed very well with only one “Low Risk” item being identified at the time the test was conducted.

Low Risk is defined as “vulnerabilities that are either informational, involve a high level of user interaction and/or operational conditions and do not have any active potential for exploitation.” Coincidentally, we had identified and remediated the identified item as part of recent improvements prior to receiving the assessment report. Kudos to Joe and our security consultant for ensuring that we are using best practices to help protect the District, as validated through this assessment.

## **Tab 5**

The River Center Report was not available at time of Notebook publication  
- it will be posted shortly.





# LOXAHATCHEE RIVER DISTRICT

2500 JUPITER PARK DRIVE, JUPITER, FLORIDA 33458

TEL: (561) 747-5700

FAX: (561) 747-9929

D. Albrey Arrington, Ph.D. EXECUTIVE DIRECTOR

[loxahatcheeriver.org](http://loxahatcheeriver.org)

## MEMORANDUM

**To:** D. Albrey Arrington, Ph.D., Executive Director  
**From:** Ed Horchar Safety Officer  
**Date:** November 8, 2022  
**Subject:** District Safety Report for October 2022

### Safety Metrics: October 2022

OSHA recordable injuries: Zero

Lost time injuries: Zero

**Actual TRIR: 1.3** [Goal < 2.2]

TRIR = Total Recordable Incident Rate

### Safety is a Core Value at LRD – Our

*conduct is shaped by a personal commitment to protect the health and safety of ourselves and our colleagues. Safety is driven through education, training, planning, protective equipment, and individual accountability.*

### **OSHA Recordable Incidents/MVA's:**

The LRD has now experienced zero OSHA Recordable Injuries for eleven consecutive months. With one recordable injury in the last 12 months, we have sustained a Total Recordable Incident Rate (TRIR) of 1.3, below our goal of 2.2 and a rate shared as the lowest in recent history. This District is now experiencing a performance best period (recent history) for consecutive months with no recordable injuries. The District will need to work injury free for an additional month to reach a rate of zero.

The District did not experience a Motor Vehicle Accident (MVA) in October. With a total of three MVAs in the last 12-month period, the MVA incident rate is at 3.4. Above the LRD MVA goal of 2.2. The District will need to work MVA free for an additional month to reduce the MVA incident rate.

### **Sustainment:**

Job Hazard Assessment (JHA) activity volume increased by approximately 41% in October, compared to September. The District has established yet another record high with 1282 JHA's completed compared to the September high of 910. This is a direct correlation with the implementation of JHA's into the EAM Work Orders. The following is a comparison of October JHA's performed per employee in each participating department:

Reuse:	38 JHA / employee	Construction:	4 JHA / employee
Operations:	36 JHA / employee	Inspection:	20 JHA / employee
Collections:	43 JHA / employee	Wild Pine Lab	2 JHA / employee
Maintenance:	30 JHA / employee		

James D. Snyder  
CHAIRMAN

Gordon M. Boggie  
BOARD MEMBER

Stephen B. Rockoff  
BOARD MEMBER

Dr. Matt H. Rostock  
BOARD MEMBER

**JHA and EAM:**

The District began integrating JHAs into EAM in mid-September. While 329 (approximately 25%) of JHA's processed in October were on paper, a total of 953 JHA's were completed electronically through the EAM Work Order process. During October, Power BI indicates approximately 97% of all EAM Work Orders included a completed JHA. This trend is encouraging. This is a Key Process Indicator we will track moving forward. The Monthly expectation is a minimum of 95% of all Work Orders will include a JHA. JHA input in EAM will continue to evolve to create a more efficient and value-added process for District employees. During October we saw a significant increase from Inspection, Collections, Maintenance, and Operations. Reuse, Collections, Operations and Maintenance get the shout-out for October with a JHA per Work Order percentage rate of 100%, 98%, 95% and 95% respectively.

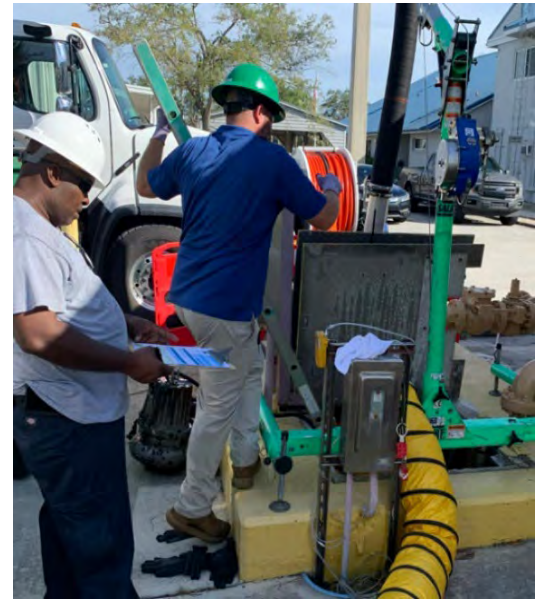
There were five Near Miss reports initiated in October. Employees from Collections, Information Systems, and the Lab all participated in this program in October. I cannot remind everyone enough, reporting safety issues in the Near Miss Reporting system can also include Unsafe or Unhealthy Conditions, Environmental Pollution Potential, and Suggestions for Safety Process Improvement. This continuous improvement process will enhance the District's overall safety performance. Your input is important, and each employee is encouraged to participate in this program.

**Training:**

The emphasis on classroom and computer-based safety training continues. The District realized a 96% completion rate for all safety training tracked in October which meets the District goal of 95%. Nice job District employees! The focus in October was electrical safety and driving safety. Classroom training involving Lockout / Tagout, Confined Space, and Fall Prevention was provided by the Safety Officer for thirty-three District employees. Lenny Giacobelli, Bob Haag, Rodney Jessurun, and Aaron Toth obtained Intermediate Management of Traffic (IMOT) Certifications. Congratulations to John Garrity for obtaining his Class B CDL driver's licence. Ten District employees with CDL Licences have obtained their DOT Tanker Endorsement in October through testing at the DMV. A reminder to all CDL Drivers that the maximum incentive to obtain the Tanker Endorsement expires on November 30<sup>th</sup>. So, get your tanker endorsement soon. Employees can expect at least one training module deployed every month. Be aware of initial training notifications from "platform@targetsolutions" and complete the training on time. If employees are overdue, a computer-based training reminder will be sent through target solutions.



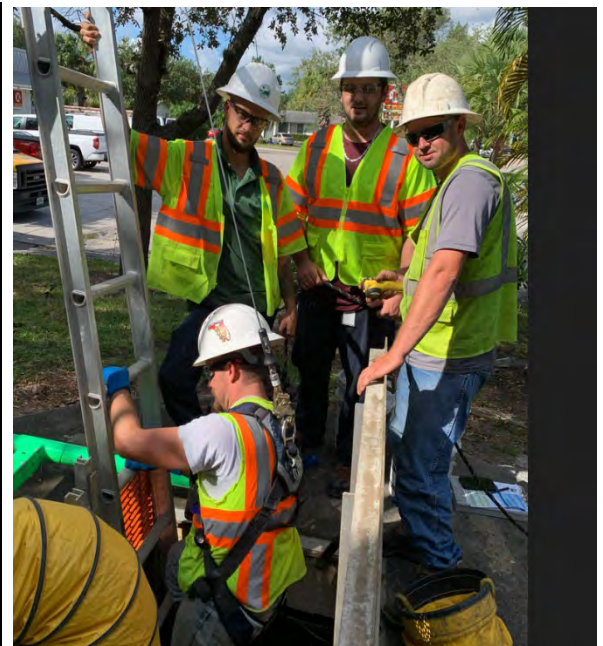
Pictured at left: Jonathan Martins is entering L/S 02 as Ben McTigue supports the confined space entry. At right: Dwayne Martin documents activity on the confined space permit while Ben keeps an eye on Jonathan as he inspects the critical areas of the L/S 02.



A total of 12 Workplace inspections occurred in October. District jobs that were observed included Clarifier #3 Blasting Operations and Painting, B Structure Gate Adjustment, Yard Dog peruse inspection and use, L/S 043 repairs, Country Club Drive manhole cleanout and repairs, Lab autoclave process, chlorine building cylinder remove and replace, L/S 02 inspection, and measurement for dimensions, and LS 117 pump removal.



Pictured at left: Robbie Spires operates a truck hoist to direct a long ladder into LS 012 as Alex Smith and Tommy Cox guide the ladder. At right: Tommy Cox enters the confined space as Permit Writer Robbie document the entry while Alex and Brandon Collins support the entry. Collections cleaned the LS prior to entry.







At left: Chuck Talledo and Dwayne Martin read the control panel of the VacCon water pressure system prior to use to cleanout a series of manholes filled with sand. At right, Kenny Biro supports the use of the vacuum system to aid in the cleanout with Dwayne and Chuck.



District employees continue to benefit from a safe work environment. Eleven consecutive months of injury-free work does not come without effort such as situational awareness and attention to detail. Both of which are elevated with the processing of JHA's and training. 12 months of injury free work is one month away. Stay safe at home and at work. Visit with any questions or ideas you may have, and please utilize the near miss reporting system. Let's help each other to stay safe and reach our goals.





# LOXAHATCHEE RIVER DISTRICT

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D. Albrey Arrington, Ph.D. EXECUTIVE DIRECTOR

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## MEMORANDUM

**TO:** Governing Board  
**FROM:** Administration Staff  
**DATE:** November 10, 2022  
**SUBJECT:** Consultant Payments

The following amounts have been reviewed and approved for payment to our consultants for work performed during the prior month.

Consultant	Prior Month	Fiscal YTD
Attorneys	\$ 4,780.00	\$ 4,780.00
Baxter & Woodman	\$ 3,352.26	\$ 3,352.26
Carollo	-	-
Chen Moore	-	-
Holtz	\$ 15,389.70	\$ 15,389.70
KCI	\$ 47,126.00	\$ 47,126.00
Mock, Roos & Associates	\$ 22,907.25	\$ 22,907.25

Should you have any questions regarding these items, please contact Kara Fraraccio concerning the attorney's invoice, and Kris Dean concerning the engineers' invoices.

**James D. Snyder**  
CHAIRMAN

**Gordon M. Boggie**  
BOARD MEMBER

**Stephen B. Rockoff**  
BOARD MEMBER

**Dr. Matt H. Rostock**  
BOARD MEMBER



# Future Business

## General:

- Procurement Policy updates
- LRD Rule Chapter 31-13 Regulation of Sewer Use
- Board Presentation of select Six Sigma green belt projects
- Executive Director's Annual Review
- Renewal of Executive Director's Employment Agreement

## Future Contracts:

- Biosolids Process Evaluation – Professional Engineering Services Contract
- Construction contract for BLM Site Plan and House Renovations
- County Line Road Bridge Utility Relocation – Joint Project Interlocal Agreement with Village of Tequesta
- FY23 Vehicle Purchases – FSA Cooperative Purchasing Program
- Science Center at JILONA – Construction Contract

