



**Brunswick-Glynn Joint Water and Sewer Commission**  
**1703 Gloucester Street, Brunswick GA 31520**  
**Wednesday, February 14, 2024, at 1:00 PM**  
**Commission Meeting Room**

## **FACILITIES COMMITTEE MEETING AGENDA**

### **COMMITTEE MEMBERS:**

**Committee Chairman Ben Turnipseed**  
**Commissioner Chuck Cook**  
**Commissioner Dave Ford**  
**Executive Director Andrew Burroughs**

### **PUBLIC COMMENT PERIOD**

*Public Comments will be limited to 3 minutes per speaker. Comments are to be limited to relevant information regarding your position and should avoid being repetitious. Individuals should sign in stating your name, address and the subject matter on which you wish to speak. Your cooperation in this process will be greatly appreciated.*

### **APPROVAL**

1. **Minutes from December 20, 2023, Facilities Committee Meeting** (subject to any necessary changes) [Report](#)
2. **Equipment Purchase – Dunbar Creek WPCF Influent Pumps** – A. Burroughs [Report](#)
3. **Academy Creek RAS and UV Upgrades** – A. Burroughs [Report](#)
4. **Academy Creek RAS and UV Upgrades-Construction Phase Services** – A. Burroughs [Report](#)
5. **North Mainland WPCF Antidegradation Analysis** – A. Burroughs [Report](#)
6. **Dedications of Easements and Infrastructure** – T. Kline [Report](#)
  - **Frederica Marsh Cottages** – Easement and Infrastructure
  - **Merritt Place Phase 3** – Easement and Infrastructure

### **DISCUSSION**

1. **Water Production Report** – A. Burroughs [Report](#)
2. **WPCF Plant Flows Report** – A. Burroughs [Report](#)
3. **Capital Project Report** – T. Kline / A. Burroughs [Report](#)
  - **Capital Project Report Photos**
  - **Capital Project Spreadsheet**
  - **Capital Project Gantt Chart**
  - **EVA Report**

### **MEETING ADJOURNED**

*All citizens are invited to attend.*  
*There is a possibility of a quorum of City or County Commissioners being present.*



**Brunswick-Glynn Joint Water & Sewer Commission**  
**1703 Gloucester Street, Brunswick, GA 31520**  
**Commission Meeting Room**  
**Wednesday, February 14, 2024, at 1:00 PM**

## **FACILITIES COMMITTEE MINUTES**

**PRESENT:**                      **Ben Turnipseed, Chairman**  
                                      **Charles Cook, Commissioner**  
                                      **Dave Ford, Commissioner**  
                                      **Andrew Burroughs, Executive Director**

**ALSO PRESENT:**           **LaDonnah Roberts, Deputy Executive Director**  
                                      **Todd Kline, Director of Engineering**  
                                      **Pam Crosby, Director of Procurement**  
                                      **David Owens, Director of Finance**  
                                      **Janice Meridith, Executive Commission Admin.**

**MEDIA PRESENT:**        **Taylor Cooper, The Brunswick News**

Chairman Turnipseed called the meeting to order at 1:00 PM.  
Chairman Turnipseed provided the invocation.

### **PUBLIC COMMENT PERIOD**

Chairman Turnipseed opened the Public Comment Period.  
There being no citizens that wished to address the Committee, Chairman Turnipseed closed the Public Comment Period.

### **APPROVAL**

#### **1. Minutes from Facilities Committee Meeting December 20, 2023**

Commissioner Cook made a motion seconded by Ford to approve the minutes from the Facilities Committee Meeting held on December 20, 2023. Motion carried 3-0-0.

#### **2. Equipment Purchase – Dunbar Creek WPCF Influent Pumps – A. Burroughs**

Mr. Burroughs advised that JWSC operates four submersible influent pumps at Dunbar Creek to pump the wastewater throughout the treatment process. Following the high flow event in December that resulted in a significant sanitary sewer overflow, staff pulled one of the three influent pumps that were installed simultaneously and sent it to the manufacturer for inspection. Staff requested Xylem to examine the removed pump and quote the necessary repairs to return the pump to a like new condition. The cost to repair the fully depreciated 20-year-old existing pump is \$31,360.04. Staff requested a quote for a replacement pump which came in at \$51,579.71 for one (1) new more energy-efficient style. There are two additional pumps that are the same age and in similar condition to the one removed from service. Staff requested a quote for three (3) replacement pumps to check for quantity price savings. Xylem provided pricing of \$43,785.69 each for three (3) pumps plus freight for a total cost of \$141,451.07. Including freight, the cost per pump is \$47,150.36 for

a purchase of three (3) pumps providing JWSC with savings of \$13,288.06 as compared to total pricing for purchases of one at the time. Based on the need to ensure the plant is operating correctly during high flow events, staff recommends purchasing three (3) Flygt pumps from Xylem Water Solutions for a cost of \$141,451.07. These pumps are the direct replacement models of the existing pumps and take advantage of the volume discount.

Commissioner Cook made a motion seconded by Commissioner Ford that the Facilities Committee recommend that the full Commission approve the purchase of three new Flygt influent pumps for Dunbar Creek from Xylem Water Solutions USA, Inc. in the amount of \$141,451.07.

After some discussion on replacing the pumps, the Committee requested staff to provide the replacement pumps' head curve to review at the Commission meeting. The Commissioners realize the need to be sure the pump sizes are correct for increasing the Dunbar Creek plant capacity from 4 to 5 MGD and chose not to recommend the purchase until they review the head curve.

Commissioner Cook made a motion seconded by Commissioner Ford to modify the motion and defer this item until the Commissioners see the head curve at the Commission Meeting. Motion carried 3-0-0.

### **3. Academy Creek RAS and UV Upgrades – A. Burroughs**

Mr. Burroughs advised that BGJWSC has two projects located at the Academy Creek WPCF that are funded separately. Given the type and location of the work, staff elected to have this work bid out together. JWSC was awarded an ARPA grant for the installation of a UV disinfection system to replace the existing gaseous chlorine disinfection used at the facility. The plant also needs new Return Activated Sludge (RAS) pumps to increase the flow rate of RAS through the facility. Due to years of failed screening equipment at the plant, there are numerous rags that continually clog up pumps. While increasing the flow rate, staff elected to have a chopper style pump installed to eliminate the need for consistent deragging of these pumps. To accommodate the larger pumps with chopper capabilities, a complete electrical system upgrade for RAS Stations 1 and 2 is also necessary. A mandatory pre-bid meeting and site visit was held on Monday, January 22, 2024, and was attended by nine (9) prime construction firms. Three (3) bids were submitted to JWSC on Wednesday, February 7, 2024. The apparent low bidder was Reeves Young, LLC in the amount of \$5,780,000. The apparent low bid on this project significantly exceeds the budgeted amount for construction. Mr. Burroughs noted there are also extra work items included in the bid documents in the amount of \$208,380 that would be billed against whichever project code the additional work is provided. If awarded, the additional funding required that is currently unbudgeted would be \$3,110,000. Additive alternates for a catwalk between the filter structure and existing chlorine contact chamber where the UV equipment will be installed and for a metal canopy to be installed over the new UV equipment were included in the bid. These items are \$50,000 and \$80,000, respectively. The Engineer of Record, Goodwyn Mills Cawood, LLC, has provided a letter of recommendation and certified bid tabulation recommending award of this project to Reeves Young in the amount of \$5,780,000. The Committee had a thorough discussion on points of concern such as: exceeding the budgeted amount set back in 2020, significant items causing such as increase, possibility of any mistakes on the bid causing the huge increase, etc. Staff was requested to look at ways to value engineer the project to reduce costs.

Commissioner Ford made a motion seconded by Commissioner Cook to defer the full project as quoted to the next Facilities Committee Meeting. Motion carried 3-0-0.

### **4. Academy Creek RAS and UV Upgrades – Construction Phase Services – A. Burroughs**

Mr. Burroughs noted that the Engineer of Record for this project is Goodwyn Mills Cawood, LLC (GMC). In November 2021, BGJWSC entered into an agreement with GMC for the design of these improvements. At that time, no funding was provided for construction administration and inspection services. Three (3) bids were submitted to JWSC on Wednesday, February 7, 2024. The apparent low bidder was Reeves Young,

LLC in the amount of \$5,860,000. Staff requested a proposal from GMC to perform construction administration and inspection services for this project to coincide with the proposed award of the construction contract. GMC provided construction administration and inspection services for the most recent Academy Creek WPCF upgrade project and has worked on projects previously with Reeves Young elsewhere in Georgia and South Carolina. The proposal of \$285,000.00 is a budgetary number and will be billed at hourly rates throughout the project as work is performed. When asked about the inspections, Mr. Burroughs replied that JWSC will not be doing inspections on capital projects as per the Commission. The JWSC project manager will occasionally do walk throughs. Commissioner Ford requested information on the actual dollar amount JWSC has spent on inspections for projects in the last couple years.

Commissioner Ford made a motion seconded by Commissioner Cook to defer the Construction Services to GMC for RAS and UV Upgrades to the next Facilities Committee Meeting. Motion carried 3-0-0.

**5. North Mainland WPCF Antidegradation Analysis – A. Burroughs**

Mr. Burroughs advised that BGJWSC has been working with a large parcel owner on the northwest quadrant of Exit 42 to acquire property for a new wastewater treatment plant for flows in the Exit 42 and Highway 99 area. This area is primed for rapid commercial and residential growth on top of the existing customer base in the area. The first step in constructing a new facility is to begin the permitting process for the new discharge. BGJWSC had an existing wasteload allocation (WLA) for the discharge and has requested the updated WLA for the past few years but has not received it due to staffing shortages at the state level. The preliminary WLA was included in the Brunswick Harbor TMDL for dissolved oxygen issued in 2020. The first step in the permitting process is to receive an updated preliminary WLA and complete an antidegradation analysis for the proposed new facility. Staff requested a proposal from Four Waters Engineering (4Waters) to complete the requested antidegradation analysis. 4Waters was chosen for this work as they prepared the most recent BGJWSC Master Plan Update and have a detailed understanding of the current and projected flows for this region. They have also helped coordinate multiple permitting issues for the BGJWSC in the past. 4Waters provided a proposal with a lump sum cost of \$29,275.00 for consideration. This work would be paid for with the ARPA funding provided for Project No. 2211.

Commissioner Cook made a motion seconded by Commissioner Ford that the Facilities Committee recommend the full Commission enter into an agreement with Four Waters Engineering, Inc. in the amount of \$29,275.00 for completion of the antidegradation analysis for the proposed North Mainland Water Pollution Control Facility. Motion carried 3-0-0.

**6. Dedication of Infrastructure – T. Kline**

- **Frederica Marsh Cottages – Easement and Infrastructure**
- **Merritt Place Phase 3 – Easement and Infrastructure**

Mr. Kline provided that the Developers of Frederica Marsh Cottages and Merritt Place Phase 3 have submitted legal documents to define and execute the transfer of ownership of water and sanitary sewer infrastructure to JWSC. The infrastructure is understood to have complied with applicable standards at the time of construction. JWSC inspection records indicate the infrastructure was constructed to JWSC Standards, is functioning, and is in acceptable condition. All requirements of the JWSC Standards for Water and Wastewater System Design and Construction and Development Procedures have been met, and all related documents submitted. The Committee discussed each development and the infrastructure to be transferred. All details and documents submitted for Frederica Marsh Cottages as well as the infrastructure were deemed acceptable by the Committee. However, there were questions regarding the infrastructure at Merritt Place Phase 3 and it was decided to defer this dedication.

Commissioner Ford made a motion seconded by Commissioner Cook that the Facilities Committee recommend the full Commission approve and accept the Frederica Marsh Cottages and to defer Merritt Place Phase 3. Motion carried 3-0-0.



## DISCUSSION

### 1. **Water Production Report** – A. Burroughs

Mr. Burroughs presented the Water Production Report for the month of January 2024 to the Facilities Committee. This report provides the Committee with the monthly and daily water production in millions of gallons for each of the BGJWSC water production facilities (wells). The following are Brunswick District production facilities: Howard Coffin, Goodyear Park, Brunswick Villa, FLETC, I-95, Golden Isles I, Golden Isles II, Canal, and Ridgewood. The South Mainland District wells include Fancy Bluff, Exit 29, and Brookman. Mallery, Airport, Harrington, and Hampton South are the wells located in the St. Simons Island District.

### 2. **WPCF Plant Flows Report** – A. Burroughs

Mr. Burroughs reviewed the January 2024 Monthly Wastewater Flow Report with the Commissioners. This report contains data regarding the influent and effluent flows, concentration of elements and chemicals, plant capacity, etc. January 2024 had a lower recorded rainfall at Academy Creek than the month of December 2023. The influent flow at Academy Creek for January was 8.2 MGD as compared to December at 7.5. The effluent flow for January increased from December's 6.9 MGD to 7.6 MGD, with the plant operating at 56% of its capacity. The influent flow at Dunbar Creek for the month of January was 3.5 MGD, and the effluent flow was also at 3.5 MGD, with the plant operating at 88% capacity. The influent flow at South Port was at 0.348 and the effluent flow reported at 0.584, with the plant operating at 39% capacity. JWSC's wastewater treatment plants are operating very well.

### 3. **Capital Project Report** – T. Kline / A. Burroughs

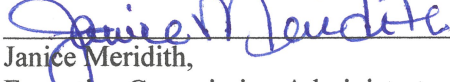
Mr. Kline and Mr. Burroughs presented an update on the monthly Project Report for Capital Projects currently in process including those in the engineering phase and those in construction. The Commissioners were provided with a packet containing: the Capital Project Photographs, Capital Project Report Spreadsheet, the Capital Project Gantt Chart of project timelines, and the Earned Value Analysis Report. Mr. Kline and Mr. Burroughs presented the update by highlighting projects along with excellent photographs and descriptive details.

Commissioner Cook made a motion seconded by Commissioner Ford to adjourn the meeting. Motion carried 3-0-0.

Chairman Turnipseed adjourned the meeting at 3:05 p.m.

  
\_\_\_\_\_  
G. Ben Turnipseed,  
Facilities Committee Chairman

Attest:

  
\_\_\_\_\_  
Janice Meridith,  
Executive Commission Administrator



# *Brunswick-Glynn*

## *Joint Water and Sewer Commission*

### *Memorandum*

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**To:** Facilities Committee  
**From:** Andrew Burroughs, Executive Director  
**Date:** Wednesday, February 14, 2024  
**Re:** Dunbar Creek Influent Pumps Purchase

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**Background:**

The JWSC operates four (4) submersible influent pumps at Dunbar Creek to pump the wastewater throughout the treatment process. Following the high flow event in December that resulted in a significant sanitary sewer overflow, staff pulled one of the three influent pumps that were installed simultaneously and sent it to the manufacturer for inspection. Staff requested Xylem to examine the removed pump and quote the necessary repairs to return the pump to a like new condition. Xylem is the manufacturer's representative for Flygt pumps.

**Staff Report**

The cost to repair the existing pump is \$31,360.04 with necessary repairs to the impeller, cable, and mechanical seals. Given the pump is 20 years old and has been fully depreciated, staff requested a replacement pump cost. A new pump will not be the exact same pump as the existing pump is no longer manufactured; however, the new pump style does come with a more energy-efficient design. The cost of one (1) replacement pump is \$51,579.71. Understanding that there are two other Flygt pumps that are the same age and in similar condition to the one removed from service, staff requested a quote for three (3) replacement pumps to see if there was a lower rate at the higher quantity. Xylem provided pricing of \$43,785.69 each for the three (3) pumps plus freight for a total cost of \$141,451.07. Including freight, the cost per pump is \$47,150.36. At the current quoted price, purchasing three (3) pumps separately would increase the total cost by \$13,288.06.

**Recommended Action**

Staff recommends purchasing three (3) Flygt pumps from Xylem Water Solutions for a cost of \$141,451.07. These pumps are the direct replacement models of the existing pumps and take advantage of the volume discount.

**Recommended Motion**

***"I move that the Facilities Committee recommend that the full Commission approve the purchase of three new Flygt influent pumps for Dunbar Creek from Xylem Water Solutions USA, Inc. in the amount of \$141,451.07."***

**Enclosures**

Pump Rebuild Quote  
Pump Purchase Quote



**Xylem Water Solutions USA, Inc.**  
**Flygt Products**

January 16, 2024

128 A Airport Park Drive  
Garden City, GA 31408  
Tel (912) 966-1577  
Fax (912) 966-1579

BRUNSWICK-GLYNN JNT SWR & WTR  
1703 GLOUCESTER ST  
1703 GLOUCESTER ST  
BRUNSWICK GA 31520-6902

Quote # R2024-SAV-0014

Project Name: BCGJWC Dunbar Creek WWTP 3300.181-0330110 repair

Job Name: BGCJWSC Dunbar Creek WWTP 3300.181-0330110

Xylem Water Solutions USA, Inc. is pleased to provide a quote for the following Flygt equipment.

**Block 1**

Qty	Description	Unit Price	Extended Price
1	KEY,PARALLEL 20X12X70MM STEEL	\$ 23.49	\$ 23.49
1	RING,RETAINING ID-67.5MM	\$ 10.44	\$ 10.44
2	SPRING,DISC STEEL	\$ 34.80	\$ 69.60
2	SCREW,HEX M16 X 60 SS	\$ 20.01	\$ 40.02
1	GROMMET,CR 33ID 60OD 22L	\$ 67.86	\$ 67.86
1	ASSEMBLY,LOCKING 55X85	\$ 378.45	\$ 378.45
55	CABLE,SUBCAB AWG 4/3-2-1-GC+ 33.8MM	\$ 55.68	\$ 3,062.40
1	BRACKET,SLIDING 3" CI	\$ 2,257.65	\$ 2,257.65
1	WASHER,STEEL/NBR	\$ 128.76	\$ 128.76
1	HANDLE,LIFTING UNIT STEEL	\$ 1,334.58	\$ 1,334.58
2	SLEEVE,SS	\$ 160.95	\$ 321.90
2	WASHER,SS	\$ 47.85	\$ 95.70
1	RING,RETAINING	\$ 63.51	\$ 63.51
1	RING,WEAR STATIONARY STEEL/NBR	\$ 558.54	\$ 558.54
1	COVER,STEEL	\$ 59.16	\$ 59.16
1	TERMINAL BOARD UNIT	\$ 638.58	\$ 638.58
1	IMPELLER,C MT CODE 644 CI	\$ 8,014.44	\$ 8,014.44
1	KIT,REPAIR BASIC 3300.180	\$ 9,402.96	\$ 9,402.96
19	LABOR,SVC FLYGT,NO TAX Z1-TP MODELS: 3000,7000,8000	\$ 165.00	\$ 3,135.00
1	ENV FEE >50HP TP ENVIRONMENTAL FEE	\$ 110.00	\$ 110.00
1	SHOP SUPPLIES-LARGE PUMPS TP MISC SHOP SUPPLIES FOR REPAIR	\$ 105.00	\$ 105.00

**Total Price \$ 29,878.04**

**Freight Charge \$ 1,482.00**

**Total Price \$ 31,360.04**



## Terms & Conditions

This order is subject to the Standard Terms and Conditions of Sale – Xylem Americas effective on the date the order is accepted which terms are available at <http://www.xyleminc.com/en-us/Pages/terms-conditions-of-sale.aspx> and incorporated herein by reference and made a part of the agreement between the parties.

**Purchase Orders:** Please make purchase orders out to: Xylem Water Solutions USA, Inc.

**Freight Terms:** 3 DAP - Delivered At Place 08 - Jobsite (per Incoterms 2020)  
See Freight Payment (Delivery Terms) below.

**Taxes:** State, local and other applicable taxes are not included in this quotation.

**Back Charges:** Buyer shall not make purchases nor shall Buyer incur any labor that would result in a back charge to Seller without prior written consent of an authorized employee of Seller.

**Shortages:** Xylem will not be responsible for apparent shipment shortages or damages incurred in shipment that are not reported within two weeks from delivery to the jobsite. Damages should be noted on the receiving slip and the truck driver advised of the damages. Please contact our office as soon as possible to report damages or shortages so that replacement items can be shipped and the appropriate claims made.

**Terms of Delivery:** Full Freight Allowed

**Terms of Payment:** 100% N30 after invoice date.

Xylem's payment shall not be dependent upon Purchaser being paid by any third party unless Owner denies payment due to reasons solely attributable to items related to the equipment being provided by FLYGT.

**Schedule:** Please consult your local Flygt Branch Office to get fabrication and delivery lead times.

**Validity:** This Quote is valid for thirty (30) days.  
Please note that this pricing is valid for 30 days and contingent upon final approval of submittals and release to fabrication by (within 90 days of bid date).  
This quotation is subject to change if any changes to the specifications or plans are made that alter the scope of supply.

We do not supply junction boxes, disconnects, surge protection, kelling grips, piping, valves, guide bars, pressure gauges, spare parts, labor or any other equipment or installation services not specifically indicated above.

We thank you for your interest in Flygt equipment from Xylem Water Solutions USA, Inc.. and look forward to being of service to you in the near future. Please feel free to call if you have any questions or if you require assistance.

Sincerely,





Scott Adams  
Sales Representative  
Phone: 912-966-1577  
Cell: 912-271-4081  
scott.adams@xylem.com  
Fax: 912-966-1579



Will Tomberlin  
Sales Representative  
Phone: 912-966-1577  
Cell: 912-665-4300  
will.tomberlin@xylem.com  
Fax: 912-966-1579





**Xylem Water Solutions USA, Inc.**  
**Flygt Products**

**Customer Acceptance**

This order is subject to the Standard Terms and Conditions of Sale – Xylem Americas effective on the date the order is accepted which terms are available at <http://www.xyleminc.com/en-us/Pages/terms-conditions-of-sale.aspx> and incorporated herein by reference and made a part of the agreement between the parties.

A signed copy of this Quote is acceptable as a binding contract.

**Purchase Orders:** Please make purchase orders out to: Xylem Water Solutions USA, Inc.

Quote #: R2024-SAV-0014  
Customer Name: BRUNSWICK-GLYNN JNT SWR & WTR  
Job Name: BGCJWSC Dunbar Creek WWTP 3300.181-0330110  
Total Amount: \$ 29,878.04  
(excluding freight)

Signature: _____	Name: _____ (PLEASE PRINT)
Company/Utility: _____	PO: _____
Address: _____	Date: _____
_____	Phone: _____
_____	Email: _____
_____	Fax: _____





## Introducing the Xylem Preventative Maintenance Agreement

Don't forget to protect your new assets

Thank you for considering Xylem for your pumping equipment needs. We appreciate the significance of your purchase decision and want to ensure you get the most out of your investment. The most cost-effective way to do this is to sign-up for a preventative maintenance agreement (PMA) that we tailor to your specific requirements and budget. A Xylem PMA offers a proven method to extend your equipment life, prevent expensive repairs and minimize unplanned failures. It's also ensures you remain in compliance with environmental, health and other government regulations – critical to maximizing operation uptime.

### Our Flygt Gold PMA Includes:

- One scheduled preventative maintenance service visit with multi-point inspection, 12 months after purchase and discounted access to Xylem's rental fleet
- An additional 12-month warranty when purchased with your new or replacement Flygt pump(s)
- The option to renew annually or on a multi-year basis following the first service visit
- Priority service on repairs and field service calls

*\* Flat-Rate Pricing is available for new and replacement Flygt models 3069, 3085, 3102, 3127, 3153, 3171, 3202, 3301 & 3315 starting at \$500 per pump.*

Multi-year PMA packages are available as well.  
Contact your Xylem Sales Representative today for more information.

Visit our [PMA site](#) for more info

**xylem**  
Let's Solve Water



**Xylem Water Solutions USA, Inc.  
Flygt Products**

January 19, 2024

BRUNSWICK-GLYNN JNT SWR & WTR  
1703 GLOUCESTER ST  
1703 GLOUCESTER ST  
BRUNSWICK GA 31520-6902

128 A Airport Park Drive  
Garden City, GA 31408  
Tel (912) 966-1577  
Fax (912) 966-1579

Quote # 2024-SAV-0021

Project Name: Dunbar WWTP replacement pump

Job Name:

Xylem Water Solutions USA, Inc. is pleased to provide a quote for the following Flygt equipment.

**Pumps**

Qty	Description	Unit Price	Extended Price
3	Flygt Model NP-3301.185 10" volute Submersible pump equipped with a 460 Volt / 3 phase / 60 Hz 70 HP 1150 RPM motor, 638 impeller, 1 x 50 Ft. length of SUBCAB 3x50+2G35/2+S(2x0,5) submersible cable, FLS leakage detector, volute is prepared for Flush Valve	\$ 43,785.69	\$ 131,357.07

**Total Price** **\$ 131,357.07**

**Freight Charge** **\$ 10,094.00**

**Total Price** **\$ 141,451.07**

**Terms & Conditions**

This order is subject to the Standard Terms and Conditions of Sale – Xylem Americas effective on the date the order is accepted which terms are available at <http://www.xyleminc.com/en-us/Pages/terms-conditions-of-sale.aspx> and incorporated herein by reference and made a part of the agreement between the parties.

**Purchase Orders:** Please make purchase orders out to: Xylem Water Solutions USA, Inc.

**Freight Terms:** 3 DAP - Delivered At Place 08 - Jobsite (per IncoTerms 2020)

See Freight Payment (Delivery Terms) below.

**Taxes:** State, local and other applicable taxes are not included in this quotation.

**Back Charges:** Buyer shall not make purchases nor shall Buyer incur any labor that would result in a back charge to Seller without prior written consent of an authorized employee of Seller.

**Shortages:** Xylem will not be responsible for apparent shipment shortages or damages incurred in shipment that are not reported within two weeks from delivery to the jobsite. Damages should be noted on the receiving slip and the truck driver advised of the damages. Please contact our office as soon as possible to report



damages or shortages so that replacement items can be shipped and the appropriate claims made.

**Terms of Payment:** 100% N30 after invoice date.

Xylem's payment shall not be dependent upon Purchaser being paid by any third party unless Owner denies payment due to reasons solely attributable to items related to the equipment being provided by FLYGT.

**Schedule:** Please consult your local Flygt Branch Office to get fabrication and delivery lead times.

**Terms of Delivery:** Full Freight Allowed

**Validity:** This Quote is valid for thirty (30) days.

Please note that this pricing is valid for 30 days and contingent upon final approval of submittals and release to fabrication by (within 90 days of bid date).

This quotation is subject to change if any changes to the specifications or plans are made that alter the scope of supply.

We do not supply junction boxes, disconnects, surge protection, kellum grips, piping, valves, guide bars, pressure gauges, spare parts, labor or any other equipment or installation services not specifically indicated above.

We thank you for your interest in Flygt equipment from Xylem Water Solutions USA, Inc.. and look forward to being of service to you in the near future. Please feel free to call if you have any questions or if you require assistance.

Sincerely,



Scott Adams  
Sales Representative  
Phone: 912-966-1577  
Cell: 912-271-4081  
scott.adams@xylem.com  
Fax: 912-966-1579





**Xylem Water Solutions USA, Inc.**  
**Flygt Products**

### Customer Acceptance

This order is subject to the Standard Terms and Conditions of Sale – Xylem Americas effective on the date the order is accepted which terms are available at <http://www.xyleminc.com/en-us/Pages/terms-conditions-of-sale.aspx> and incorporated herein by reference and made a part of the agreement between the parties.

A signed copy of this Quote is acceptable as a binding contract.

**Purchase Orders:** Please make purchase orders out to: Xylem Water Solutions USA, Inc.

Quote #: 2024-SAV-0021  
Customer Name: BRUNSWICK-GLYNN JNT SWR & WTR  
Job Name:  
Total Amount: \$ 131,357.07  
(excluding freight)

Signature: _____	Name: _____ (PLEASE PRINT)
Company/Utility: _____	PO: _____
Address: _____	Date: _____
_____	Phone: _____
_____	Email: _____
_____	Fax: _____







# *Brunswick-Glynn*

## *Joint Water and Sewer Commission*

### *Memorandum*

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**To:** Facilities Committee  
**From:** Andrew Burroughs, Executive Director  
**Date:** Wednesday, February 14, 2024  
**Re:** Contract Award – Academy Creek RAS and UV Upgrades

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#### **Background**

BGJWSC has two projects located at the Academy Creek WPCF that are funded separately. However, given the type and location of the work, staff elected to have this work bid out together. BGJWSC was awarded an APRA grant for the installation of a UV disinfection system to replace the existing gaseous chlorine disinfection used at the facility. The plant also needs new Return Activated Sludge (RAS) pumps to increase the flow rate of RAS through the facility. Due to years of failed screening equipment at the plant, there are numerous rags that continually clog up pumps. While increasing the flow rate, staff elected to have a chopper style pump installed to eliminate the need for consistent deragging of these pumps. To accommodate the larger pumps with chopper capabilities, a complete electrical system upgrade for RAS Stations 1 and 2 is also necessary.

#### **Staff Report**

A mandatory pre-bid meeting and site visit was held on Monday, January 22, 2024, and was attended by nine (9) prime construction firms. Three (3) bids were submitted to JWSC on Wednesday, February 7, 2024. The apparent low bidder was Reeves Young, LLC in the amount of \$5,780,000. The apparent low bid on this project significantly exceeds the budgeted amount for construction. This project was budgeted with two separate projects due to the funding as shown:

Project	Funding Source	Available Amount	Bid Amount	Difference
2201 – RAS Replacements	R&R	\$1,500,000	\$1,500,000	-
2214 – UV Installation	ARPA	\$1,170,000	\$4,071,620	-\$2,901,620

Note there are also extra work items included in the bid documents in the amount of \$208,380 that would be billed against whichever project code the additional work is provided. If awarded, the additional funding required that is currently unbudgeted would be \$3,110,000. Additive alternates for a catwalk between the filter structure and existing chlorine contact chamber where the UV equipment will be installed and for a metal canopy to be installed over the new UV equipment were included in the bid. These items are \$50,000 and \$80,000, respectively.

The Engineer of Record, Goodwyn Mills Cawood, LLC, has provided a letter of recommendation and certified bid tabulation recommending award of this project to Reeves Young in the amount of \$5,780,000.

#### **Recommended Action**

Staff recommends awarding a contract to Reeves Young, LLC for the construction of the Academy Creek RAS and UV upgrades including the metal canopy in the amount of \$5,860,000.

#### **Recommended Motion**

***“I move that the Facilities Committee recommend the full Commission award a contract to Reeves Young, LLC for the construction of the Academy Creek RAS and UV Upgrades in the amount of \$5,860,000.”***

#### **Enclosure**

Engineer’s Recommendation of Award  
Bid Tab



**Goodwyn Mills Cawood**

1612 Newcastle Street  
Suite 218  
Brunswick, GA 31520

T (912) 226-4612

[www.gmcnetwork.com](http://www.gmcnetwork.com)

Mr. Andrew Burroughs, P.E.  
Executive Director  
Brunswick-Glynn County Joint Water & Sewer Commission  
1703 Gloucester St.  
Brunswick, GA 31520

February 8, 2024

RE: IFB NO. 24-006 ACADEMY CREEK RAS AND UV UPGRADES

Dear Mr. Burroughs,

On February 7, 2024 at 12:00 p.m., Brunswick-Glynn County Joint Water & Sewer Commission (BGJWSC) received three (3) bids for the referenced project. The Certified Bid Tabulation and list of Bidders are attached.

Based on Goodwyn Mills Cawood, LLC. (GMC)'s review of the bids, Reeves Young, LLC. is the lowest responsible bidder. GMC recommends that BGJWSC award the contract to Reeves Young, LLC. in the base bid amount of **\$5,780,000.00**.

If you are in agreement with the above recommendation and choose to award the project on this basis, please let us know and we will notify the Contractor to obtain bonds and execute the contract documents. We will then schedule a pre-construction meeting. If you have any questions, please do not hesitate to contact our office.

Sincerely,  
**GOODWYN MILLS CAWOOD, LLC.**

James C. Vaughn, Jr, P.E.  
Project Manager

Enclosure: List of Bidders  
Certified Bid Tabulation



LIST OF BIDDERS

**IFB No. 24-006 Academy Creek RAS and UV Upgrades**

*BGCJWSC*

*BRUNSWICK, GA*

**Date:** February 8, 2024

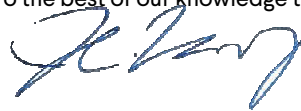
**Project No.** CSAV190007

**Prepared By:** GSS

	Plan Holders	Contact	Phone Number	Email	Addendum 1	Total Base Bid
001	BRW	Robbie Beck	(912) 755-0300	<a href="mailto:RKBECK@brwconstruction.com">RKBECK@brwconstruction.com</a>	Y	\$7,107,854.80
002	Reeves Young	Matthew McCormack	(770) 271-1159	<a href="mailto:mmccormack@reevesyoung.com">mmccormack@reevesyoung.com</a>	Y	\$5,780,000.00
003	Ruby Collins	Scott Cline	(770) 432-2900	<a href="mailto:scline@ruby-collins.com">scline@ruby-collins.com</a>	Y	\$6,866,673.00

BID TABULATION: IFB No. 24-006 Academy Creek RAS and UV Upgrades				Bidder #1	Bidder #2	Bidder #3
PROJECT NO.: CSAV190007				Ruby Collins	BRW	Reeves-Young
BID OPENING: February 7, 2024						
ITEM #	APPROX. QTY.	UNIT	ITEM DESCRIPTION	TOTAL PRICE AMOUNT DOLLARS/CTS	TOTAL PRICE AMOUNT DOLLARS/CTS	TOTAL PRICE AMOUNT DOLLARS/CTS
1	1	LS	UV System Installation and Plant Piping Modifications Lump Sum to Include all work within existing Chlorine Contact Chamber, Outfall Line and Headwall, and Clarifier No. 5 and By-Pass Junction Box Modifications and Piping.	4,399,020.00	4,522,991.00	4,071,620.00
2	1	LS	RAS Improvements Lump Sum to Include all work within the RAS No. 1 and No. 2 Buildings with Base Bid Pump MFR.	2,303,900.00	2,425,836.00	1,500,000.00
2A	10	EA	Specification Section 43 23 31 – Horizontal Centrifugal Chopper Pumps – Alternate MFR deduct.	N/A	N/A	N/A
			Manufacturer	N/A	N/A	N/A
3	1	LS	Excavation and Backfill	-	-	-
(a)	100	CY	Hand, Dry	2,000.00	11,000.00	3,500.00
(b)	100	CY	Hand, Wet and Dewatering	4,000.00	20,000.00	4,500.00
(c)	100	CY	Machine, Dry	1,100.00	2,800.00	1,600.00
(d)	100	CY	Machine, Wet & Dewatering	2,500.00	5,600.00	3,000.00
(e)	400	CY	Chrusher Run Stone backfill (including undercutting and removal of unsuitable soils, backfilling with stone and geotextile fabric)	36,000.00	32,000.00	50,000.00
4	1	LS	Concrete Work	-	-	-
(a)	10	LF	Class A Concrete (in-place)	65,100.00	35,000.00	80,000.00
(b)	1000	LBS	Reinforcing Steel (in-place)	1,000.00	2,000.00	1,000.00
(c)	200	SF	Constructed Forms	600.00	4,000.00	4,000.00
5	1	LS	Ductile Iron Pipe in Place (Ceramic Epoxy Lined)	-	-	-
(a)	20	LF	4" DIP	4,000.00	1,740.00	2,000.00
(b)	20	LF	36" DIP	12,900.00	9,940.00	14,000.00
(c)	20	LF	48" DIP	26,640.00	22,360.00	24,000.00
6	1	LS	Ductile Iron Pipe in Place (Ceramic Epoxy Lined)	-	-	-
(a)	0.2	Ton	Bell & Spigot	1,000.00	1,169.80	4,280.00
(b)	0.5	Ton	Mechanical Joint	3,913.00	10,250.00	12,500.00
(c)	0.2	Ton	Flanged	3,000.00	1,168.00	4,000.00
	BASE BID TOTAL		W/O ALTERNATE MFR DEDUCT	6,866,673.00	7,107,854.80	5,780,000.00
	Alternative 1	LS	Pre-engineered aluminum pedestrian bridge (catwalk) identified on the plans and as specified in attached Specification Section 05 50 00 – Metal Fabrication	60,650.00	28,634.00	50,000.00
	Alternative 2	LS	Pre-engineered metal building canopy identified on the plans and as specified in attached Specification Section 13 31 22 – Pre- Engineering Metal Building System	86,131.00	155,000.00	80,000.00
Total With Alternates				7,013,454.00	7,291,488.80	5,910,000.00

To the best of our knowledge these bids are accurately tabulated and were accepted in accordance with the applicable regulations.



James C. Vaughn, Jr., P.E.



# *Brunswick-Glynn*

## *Joint Water and Sewer Commission*

### *Memorandum*

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**To:** Facilities Committee  
**From:** Andrew Burroughs, Executive Director  
**Date:** Wednesday, February 14, 2024  
**Re:** Contract Award –Academy Creek RAS and UV Upgrades Construction Phase Services

---

#### **Background**

BGJWSC has two projects located at the Academy Creek WPCF that are funded separately. However, given the type and location of the work, staff elected to have this work bid out together. The Engineer of Record for this project is Goodwyn Mills Cawood, LLC (GMC). In November 2021, BGJWSC entered into an agreement with GMC for design of these improvements. At that time, no funding was provided for construction administration and inspection services.

#### **Staff Report**

Three (3) bids were submitted to JWSC on Wednesday, February 7, 2024. The apparent low bidder was Reeves Young, LLC in the amount of \$5,860,000. Staff requested a proposal from GMC to perform construction administration and inspection services for this project to coincide with the proposed award of the construction contract. GMC provided construction administration and inspection services for the most recent Academy Creek WPCF upgrade project and has worked on projects previously with Reeves Young elsewhere in Georgia and South Carolina. The proposal is a budgetary number and will be billed at hourly rates throughout the project as work is performed.

#### **Recommended Action**

Staff recommends awarding a contract to Goodwyn Mills Cawood, LLC for construction administration and inspection services for the Academy Creek RAS and UV upgrades in the amount of \$285,000.

#### **Recommended Motion**

*“I move that the Facilities Committee recommend the full Commission award a contract to Goodwyn Mills Cawood, LLC for construction administration and inspection services for the Academy Creek RAS and UV Upgrades in the amount of \$285,000.”*

#### **Enclosure**

Proposal





February 6, 2024

**Goodwyn Mills Cawood**

7 East Congress Street  
Suite 504  
Savannah, GA 31401

T (912) 226-1667

[www.gmcnetwork.com](http://www.gmcnetwork.com)

Mr. Andrew Burroughs, Executive Director  
Brunswick-Glynn County Joint Water & Sewer Commission  
1703 Gloucester St.  
Brunswick, GA 31520

RE: CONSTRUCTION SERVICES BUDGET  
WPCF REHABILITATION ACADEMY CREEK  
PHASE II

Dear Mr. Burroughs:

As you are aware, Phase II of the Academy Creek WPCF Rehabilitation was advertised for construction bids on 01/05/24. The project generally will include the installation of a UV Disinfection System and RAS System Improvements. Below is a general scope of work and our proposed construction services budget for the project.

**Scope of Services:**

**Bid Phase:** GMC will assist the JWSC by creating a bid package; providing responses and addendums to plan holder questions; attending a pre-bid meeting and bid opening; preparing any addenda; reviewing bids and proof of bidder's qualifications; and evaluating the bids and making a recommendation for contract award.

**Construction Administration Phase:** GMC will conduct bi-weekly project update meetings, review and approve the Contractor's submission of shop drawings and materials submittals, issue additional instructions to the Contractor as may be necessary to interpret the drawings and specifications, develop and prepare change orders and review and recommend approval to JWSC for payment to the Contractor. Services during this phase will also include providing the necessary inspections and issuing documentation for Substantial and Final Completion and Record Drawings in accordance with JWSC requirements.

**Construction Inspection:** GMC will provide periodic Inspection Services at critical times during the construction of the Project (estimated at 300 days) to observe the Contractor's work for compliance with the Contract Documents.

**Construction Services Budget (Based on 300 Days):**

Bid Phase:	\$ 10,000
Construction Administration:	\$ 116,000
Periodic Inspection Services (20 hrs/week):	\$ 159,000
<b>Total Construction Budget</b>	<b>\$ 285,000</b>



We can amend the contract if this budget is acceptable. We appreciate the opportunity! Please contact our office with any questions.

Sincerely,

A handwritten signature in blue ink, appearing to read 'J. Vaughn'.

Jim Vaughn, PE  
Senior Project Manager



# *Brunswick-Glynn*

## *Joint Water and Sewer Commission*

### *Memorandum*

---

**To:** Facilities Committee  
**From:** Andrew Burroughs, P.E., Executive Director  
**Date:** Wednesday, February 14, 2024  
**Re:** Contract Award – North Mainland WPCF Antidegradation Analysis

---

#### **Background**

BGJWSC has been working with a large parcel owner on the northwest quadrant of Exit 42 to acquire property for a new wastewater treatment plant for flows in the Exit 42 and Highway 99 area. This area is primed for rapid commercial and residential growth on top of the existing customer base in the area. The first step in constructing a new facility is to begin the permitting process for the new discharge. BGJWSC had an existing wasteload allocation (WLA) for the discharge and has requested the updated WLA for the past few years but has not received it due to staffing shortages at the state level. The preliminary WLA was included in the Brunswick Harbor TMDL for dissolved oxygen issued in 2020. The first step in the permitting process is to receive an updated preliminary WLA and complete an antidegradation analysis for the proposed new facility.

#### **Staff Report**

Staff requested a proposal from Four Waters Engineering (4Waters) to complete the requested antidegradation analysis. 4Waters was chosen for this work as they prepared the most recent BGJWSC Master Plan Update and have a detailed understanding of the current and projected flows for this region. They have also helped coordinate multiple permitting issues for the BGJWSC in the past. 4Waters provided a proposal with a lump sum cost of \$29,275.00 for consideration. This work would be paid for with the ARPA funding provided for Project No. 2211.

#### **Recommended Action**

Staff recommends entering into an agreement with Four Waters Engineering, Inc. in the amount of \$29,275.00 for completion of the antidegradation analysis for the proposed North Mainland Water Pollution Control Facility.

#### **Recommended Motion**

*"I move that the Facilities Committee recommend the full Commission enter into an agreement with Four Waters Engineering, Inc. in the amount of \$29,275.00 for completion of the antidegradation analysis for the proposed North Mainland Water Pollution Control Facility."*

#### **Enclosures**

Proposal



**FOUR WATERS ENGINEERING, INC.**  
324 6<sup>th</sup> Avenue North  
Jacksonville Beach, FL 32250  
(904) 414-2400 Office

February 7, 2024

Andrew Burroughs, P.E.  
Executive Director  
Brunswick-Glynn Joint Water & Sewer Commission  
1703 Gloucester St  
Brunswick, GA 31520  
[aburroughs@bgjwsc.org](mailto:aburroughs@bgjwsc.org)

RE: Proposal for Engineering Services – North Mainland WPCF NPDES Permitting Assistance

Dear Mr. Burroughs:

Four Waters Engineering (4Waters) is pleased to provide this proposal to assist Brunswick-Glynn Joint Water & Sewer Commission (JWSC) with permitting efforts for a point discharge from a proposed Water Pollution Control Facility (WPCF) located in the North Mainland area of Glynn County, northwest of I-95 and Highway 99. It is our understanding that JWSC is in the process of acquiring approximately 16 acres in the far northeast corner of Parcel 03-12846 as generally shown below.



It is our understanding that JWSC intends to construct a new WPCF with an initial capacity of up to 2.5 million gallons per day (MGD) and a future capacity of up to 5.0 MGD to serve the region west of I-95 and along Highway 99 to the Sterling (341/99) intersection including flows potentially from PS4119, PS4118, and Tradewinds.

JWSC previously applied for and received a wasteload allocation (WLA) from Georgia Environmental Protection Division (EPD) for 5.0 MGD. It is our understanding that JWSC requested an updated WLA approximately three years ago which although acknowledged, has still not been received from Georgia EPD. The JWSC requested 5.0 MGD WLA has, however, been included in the TMDL for the Brunswick Harbor.

The Georgia EPD follows US Environmental Protection Agency (EPA) guidelines and has an established permitting process for approving permits under the Federal National Pollution Discharge Elimination System (NPDES). The EPD NPDES permitting process for a surface water discharge is extensive and includes the primary activities listed below:

- Preliminary Wasteload Allocation for Planning
- Antidegradation Analysis
- Watershed Assessment
- Watershed Protection Plan
- Final Wasteload Allocation
- Environmental Information Document (EID)
- Design Development Report (DDR)
- NPDES Permit Application
- Construction Plans and Specifications

This proposal is only for preparation of the Antidegradation Analysis and coordination with JWSC and EPD for approval. All other permitting milestones noted above are understood to be by others or can be provided under a separate scope of work. This proposal does not include any sampling, modeling, or design of the proposed WPCF or discharge system in support of the requested surface water discharge.

### **Antidegradation Analysis Scope of Work**

While coordinating with EPD regarding the Preliminary WLA and other discharge options, the permitting process can continue with efforts for the Antidegradation Analysis. The purpose of the Antidegradation Analysis is to justify the discharge of treated wastewater to a surface water body. The study incorporates an analysis of the socio-economic justification and need for the project and an alternatives feasibility study which compares the technical aspects and costs of the proposed discharge and multiple no-discharge alternatives.

In order to receive approval for point discharge, the Antidegradation Analysis must justify the project from a socio-economic standpoint and show that the no-discharge alternative(s) are technically and/or



economically infeasible and will interfere with community development. The Antidegradation Analysis must address the following aspects of the project:

#### Task 1: Social and Economic Development Justification

Social and/or economic development needs shall be presented in the Antidegradation Analysis as justification for the proposed discharge. The project is considered an “important social or economic development” if it is explicitly included in the regional water plan or EPD agrees that it will produce meaningful social or economic benefits in the form of amenities, jobs, or economic activity. As the proposed WPCF effluent point source discharge is not specifically identified in the June 2023 Coastal Regional Water Plan for Glynn County (Table 5-3 attached), documentation justifying the need for the proposed treated wastewater discharge must be provided including:

- Projections of 20-year population growth within the service area.
- Projections of wastewater flows over the 20-year period within the service area including an assessment of:
  - Current flows – residential, commercial, industrial, and inflow & infiltration (I&I) based on actual data and records.
    - An assessment of the level of I&I experienced in the current system must be presented and if considered excessive, rehabilitation efforts must be addressed.
  - Future flows – residential, commercial, industrial and non-excessive I&I

4Waters will rely on population projections developed for the 2021 JWSC Water and Sewer Master Plan along with any available updated development information from the Glynn County Planning Department, Comprehensive Plan, transportation studies or other available sources. Additionally, information on billed water usage, water production records, and wastewater treatment flow records will be provided by JWSC.

#### Task 2: Practicable Alternatives Analysis

An assessment of the technological feasibility of alternatives that either prevent the degradation or lessen the degradation of surface waters must be presented for the Antidegradation Analysis. The purpose is to identify any reasonable alternatives that could be used to accommodate important social or economic development without authorizing a new point source discharge. EPD notes the following alternatives should be considered in the analysis for the prevention of degradation:

- 100% Urban Water Reuse of Reclaimed Water Year Round
- 100% Recycle Systems
- Land Application System
- Discharge to other Treatment Systems within a 5-mile Radius

Alternatives must also be presented that lessen the degradation of surface waters. EPD notes the proposed technologically feasible treatment option should be presented which can meet the water

quality based permit limits established by the WLA. Additionally, the following alternatives should be evaluated:

- Flow Minimization Assessment
  - Water conservation measures to reduce flow
  - Partial reuse of reclaimed water. Potential reuse customer(s) and the quantity of reuse water each customer can use should be included.
- Best Management Practices – identify BMPs that would assist in minimizing the effects of lowering water quality from the proposed discharge including site specific considerations and industry wide practices.

Supporting documentation must be provided for each alternative. For the Land Application System, an estimate of the best case hydraulic loading rate, calculations of the hydraulic loading rate, total area of land needed for land disposal including buffers, the availability and cost of land, and the cost of transporting wastewater to a suitable available site must be presented.

EPD allows for Return Flow Considerations where the water quantity benefits of allowing a surface water discharge outweigh the effects of lower water quality resulting from a point source discharge. Evidence and documentation must be provided which indicate that the water quantity in the receiving water is limited. Such evidence includes references to surface water flow needs identified in the applicable Regional Water Plan (Coastal Regional Water Plan), applicable recommendations for water management, or the need to support aquatic life and drinking water supplies. Based on available reports and documentation, no such condition is readily identifiable in the vicinity of the proposed WPCF discharge, however, additional evaluation and coordination with EPD will be conducted during preparation of the Antidegradation Analysis. If such evidence is found, EPD allows for reduced alternatives assessment including water conservation, I&I, and recycling or reuse of waste byproducts or production materials and fluids.

### Task 3: Economic Feasibility of Proposed Discharge and Technologically Feasible Alternatives

The final task of the Antidegradation Analysis is an Economic Feasibility Assessment. Valid cost comparisons with a 20-year Present Worth analysis must be provided for all technologically feasible wastewater alternatives as identified under Task 2, and the proposed point discharge project. The cost analysis must include the following for each alternative evaluated:

- Capital Costs – land acquisition, equipment, construction, and design
- Recurring Costs - operation and maintenance, equipment replacement, laboratory costs for permit compliance and process control, operator and support staff, sludge disposal, and utilities

4Waters anticipates JWSC will have feedback and input into the preferred wastewater treatment processes and that information will be provided to 4Waters from any other engineering design consultants JWSC engages for the design development of the proposed WPCF.

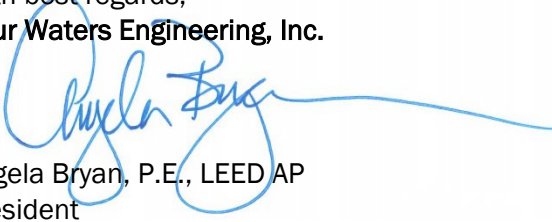
The results of the Present Worth analysis will be used in evaluating the cost of each alternative in comparison to its benefits. At the completion of the Antidegradation Analysis, the results must be public noticed. A final report on the antidegradation review including public comments received will be submitted to EPD for review and concurrence.

#### **SCHEDULE AND PROFESSIONAL SERVICE FEES**

Our proposed lump sum for professional service fees and expenses for the scope of work described above is \$29,275.00. A breakdown of these fees by activity is provided on the following page.

4Waters greatly appreciates the opportunity to assist JWSC with the permitting efforts for the proposed WPCF point discharge. We are available to begin work on this effort immediately upon written authorization from JWSC and execution of a professional services agreement. Please notify me at (904) 414-2400 Ext 51 or by email, [abryan@4WEng.com](mailto:abryan@4WEng.com) if you have any questions.

With best regards,  
**Four Waters Engineering, Inc.**



Angela Bryan, P.E., LEED AP  
President

Attachment

**Brunswick-Glynn JWSC**  
**Proposal for Professional Engineering Services**  
**Proposed WPCF Antidegradation Analysis**

Job Title	Principal Engineer	Senior Professional Engineer	Design Engineer	Engineering Associate	CAD/GIS	Clerical	Direct Costs	TOTALS
Hourly Rate	\$165.00	\$145.00	\$125.00	\$110.00	\$100.00	\$65.00		
	Hours	Hours	Hours	Hours	Hours	Hours		Hours
	\$	\$	\$	\$	\$	\$		\$
<b>Antidegradation Analysis</b>								
Task 1	1	4	2	24	4	2		
Social and Economic Development Justification	\$165	\$580	\$250	\$2,640	\$400	\$130	\$200	\$4,365
Task 2	4	32	8	80	20	2		
Practicable Alternatives Analysis	\$660	\$4,640	\$1,000	\$8,800	\$2,000	\$130	\$200	\$17,430
Task 3	4	16	6	32	0	2		
Economic Feasibility of Proposed Discharge and Technologically Feasible Alternatives	\$660	\$2,320	\$750	\$3,520	\$0	\$130	\$100	\$7,480
<b>Total Professional Service Hours</b>	<b>9.0</b>	<b>52.0</b>	<b>16.0</b>	<b>136.0</b>	<b>24.0</b>	<b>6.0</b>		
<b>Total Fee</b>	<b>\$1,485</b>	<b>\$7,540</b>	<b>\$2,000</b>	<b>\$14,960</b>	<b>\$2,400</b>	<b>\$390</b>	<b>\$500</b>	<b>\$29,275</b>



**Table 5-3 2060 Wastewater Forecast versus Existing Permitted Capacity (MGD)**

County	Point Source (PS)			Land Application Systems (LAS)		
	2060 Forecast <sup>1</sup>	Permitted Capacity	2060 Surplus or Challenge (-)	2060 Forecast <sup>1</sup>	Permitted Capacity	2060 Surplus or Challenge (-)
Bryan	3.36	3.00	(0.36)	0.81	0.44	(0.37)
Bulloch	15.39	10.00	(5.39)	0.15	0.10	(0.05)
Camden	6.35	7.58	1.23	0.94	1.73	0.79
Chatham	45.42	51.16	5.74	1.00	1.31	0.31
Effingham	1.98	3.50	1.52	1.19	1.42	0.23
Glynn	13.67	20.05	6.38	0.00	0.00	0.00
Liberty	0.71	0.54	(0.17)	0.32	0.71	0.39
Long	0.24	0.24	0.00	0.00	0.00	0.00
McIntosh	0.40	0.63	0.23	0.01	0.00	(0.01)
<b>Total</b>	<b>87.51</b>	<b>96.70</b>	<b>9.19</b>	<b>4.42</b>	<b>5.71</b>	<b>1.29</b>

Source: Coastal Georgia Demand Forecast Technical Memorandum; CDM, 2022.

<sup>1</sup> Includes industrial wastewater expected to be treated at municipal facilities.

### 5.3.2 Assimilative Capacity Assessments

The Water Quality (Assimilative Capacity) Resource Assessment drew upon water quality modeling tools to estimate the ability of streams and estuaries to assimilate pollutants under current and future conditions. Modeling was focused on instream dissolved oxygen (DO) and incorporated all industrial wastewater facilities operating at their full permitted discharge levels (flow and effluent discharge limits as of 2019). The results of the DO modeling at current permitted conditions are presented in Table 5-4 and in Figure 5-4 for the Coastal Region, which includes portions of the Savannah, Ogeechee, Altamaha, St. Marys and Satilla River basins. The results show the modeled effects of oxygen-demanding compounds in wastewater and other factors on instream DO levels. A stream segment with “none or exceeded” available assimilative capacity (denoted as red lines in Figure 5-4) have estimated instream DO levels that are at or below the DO water quality criteria and therefore indicate conditions of no available assimilative capacity or exceeded assimilative capacity. It is important to note that an exceedance of DO assimilative capacity on a stream segment could be the result of a point source discharge, non-point source loading, or a naturally low instream DO condition. Reaches within the Coastal Georgia Region that have exceeded their full assimilative capacity under the current conditions assessment include:

- Taylors Creek and Canoochee River in the Ogeechee Basin;
- Beards Creek, Doctors Creek and Jones Creek in the Altamaha Basin; and
- The main stem of the St. Marys River in the St. Marys Basin.



# ***Brunswick-Glynn***

## ***Joint Water and Sewer Commission***

### ***Memorandum***

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**To:** Facilities Committee  
**From:** Todd Kline, P.E., Director of Engineering  
**Date:** Wednesday, February 14, 2024  
**Re:** Easement and Infrastructure Dedications

- 1) Frederica Marsh Cottages – Dedication of Water/Sewer and (2) Easements
- 2) Merritt Place Phase 3 – Dedication of Water/Sewer and Easement

---

#### **Background**

The Brunswick-Glynn Joint Water & Sewer Commission (JWSC) Standards for Water & Wastewater System Design and Construction and Development Procedures support the acceptance of privately constructed water and wastewater systems as public infrastructure, when specified conditions are met. The Developers of the projects described herein, wish to convey easements and dedicate infrastructure.

#### **Staff Report**

The Owners of Record of the infrastructure described within have submitted legal documents to: 1) define and execute the transfer of ownership; and, 2) convey easements for access and maintenance. The infrastructure is understood to have complied with applicable standards at the time of construction. JWSC inspection records indicate the infrastructure was constructed to JWSC Standards, is functioning and is in acceptable condition.

#### **Recommended Action**

All requirements of the JWSC Standards for Water & Wastewater System Design and Construction and Development Procedures have been met, and all related documents submitted. Staff recommends acceptance and approval of the conveyance of easements and dedications of infrastructure and described herein.

#### **Recommended Motion**

***“I move that the Facilities Committee recommend the full Commission approve and accept these projects with associated Dedications of Infrastructure and Easements.”***

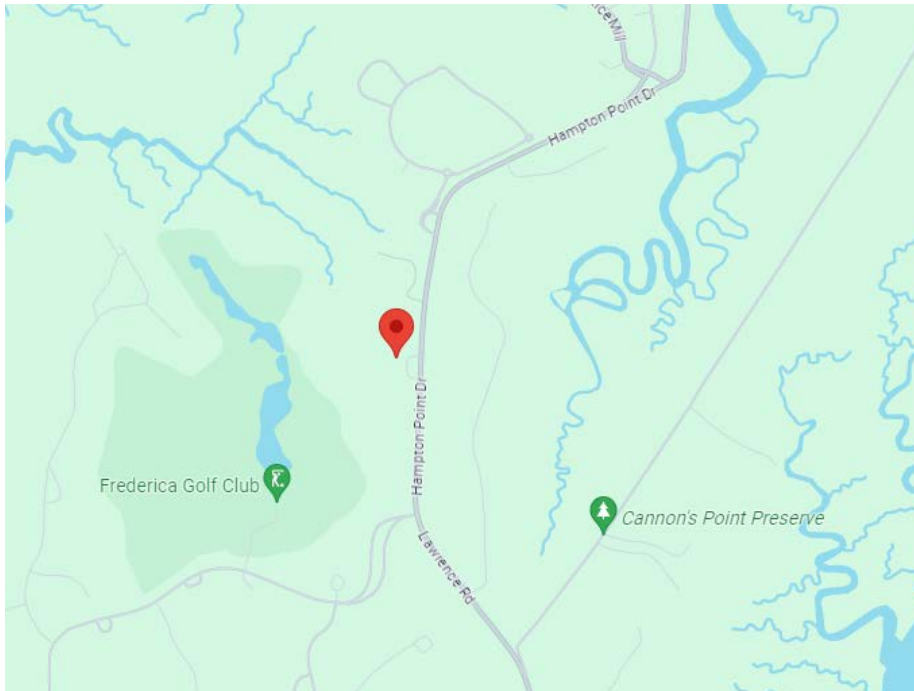
#### **Enclosures**

- 1) Frederica Marsh Cottages
  - a. Dedication of Infrastructure Application
  - b. Easement over Private ROWs – Frederica Marsh Cottages LLC
  - c. Easement from Frederica Marsh Amenities LLC
- 2) Merritt Place Phase 3
  - a. Dedication of Infrastructure Application
  - b. Easement

## 1. FREDERICA MARSH COTTAGES: Hampton Point Drive/Lawrence Road, St. Simons Island GA

Owner of Record	Frederica Marsh Lots LLC (Brett Flanagan, Michael Kauffman)
Legal Documents under Consideration	1. Application for Dedication of Infrastructure 2. Easement over Private ROWs 3. Easement from Frederica Marsh Amenities LLC
Supporting Documents	Final Record Drawings
# of New Connections	27 Single Family Residential

### Location Map – Hampton Point Drive – Adjacent to Frederica Golf Club



### GIS Map – To be Updated following Acceptance of Infrastructure

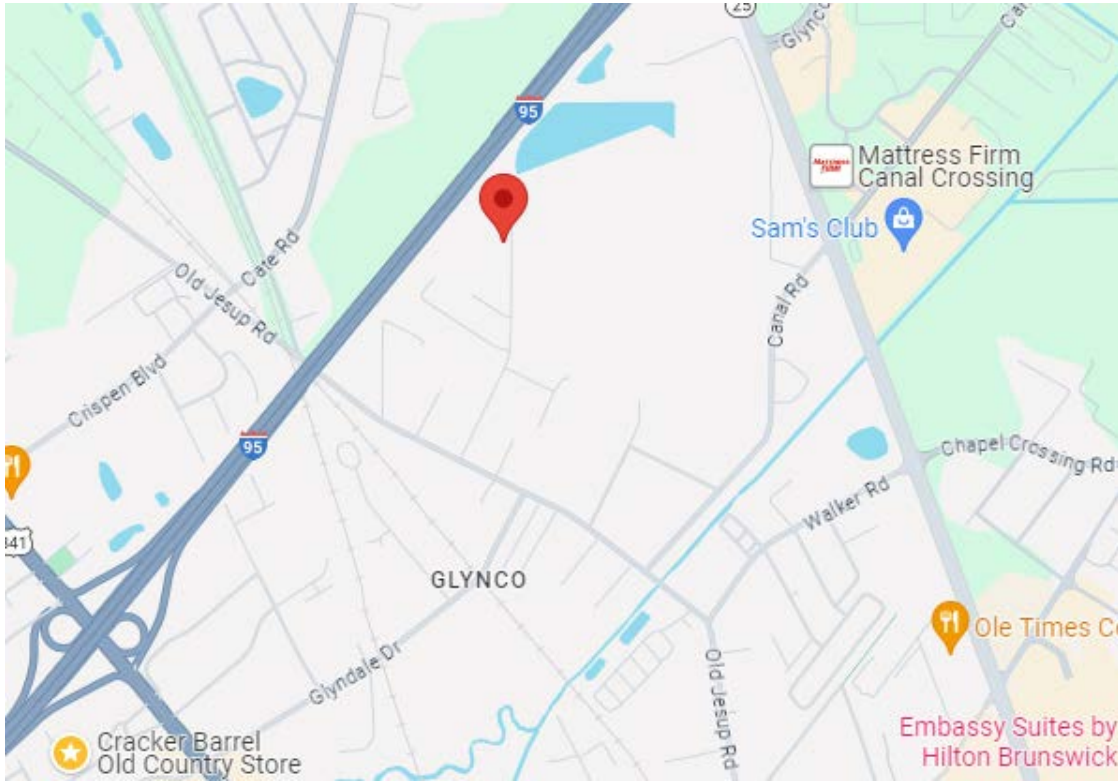




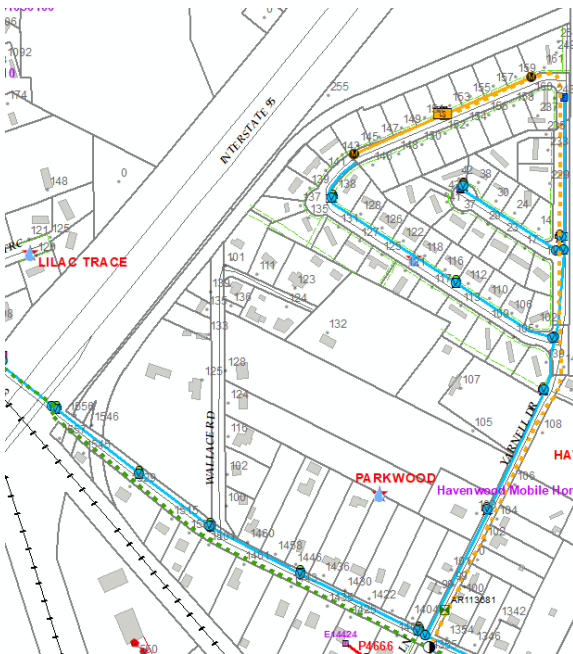
## **MERRITT PLACE PH3 – Yarnell Drive at Merritt Circle, Brunswick GA**

<b>Owner of Record</b>	Merritt Place Rentals LLC (Jimmy Hinson)
<b>Legal Documents under Consideration</b>	1. Application for Dedication of Infrastructure 2. Easement over Private ROWs
<b>Supporting Documents</b>	Final Record Drawings
<b># of New Connections</b>	17 Single Family Residential

## **Location Map – Yarnell Drive at Merritt Circle, Brunswick GA**



## **GIS Map – To be Updated following Acceptance of Infrastructure**





## Application for Dedication of Water/Wastewater Systems

### Part A: Statement of Intention

Having completed the installation of the water/wastewater system for the property tract or

Sub-division heretofore known as Frederica Marsh Cottages; the current

Owner(s) of the system, being Frederica Marsh Lots, LLC, located

at 30 Hampton Point Dr, is desirous of dedicating the constructed

utility system(s) for ownership, operation and maintenance to the appropriate public entity licensed and permitted to operate such system(s) within this jurisdictional area. This Application and requested information is being submitted with this intention.

### Part B: Recognition and Acceptance of Warranties

The Owner/Developer of this water/wastewater system does hereby recognize and accept the responsibility for correcting any and all system defects that may occur or be found during the operation of the system by the JWSC for a period of two (2) years from the written date of acceptance by the governmental body to which the system is dedicated. This warranty covers materials and workmanship items, as well as those components of the infrastructure damaged by other utilities and/or contractors who may cause damage to the water/wastewater system as herein accepted, excepting such defects caused or resulting from the sole negligence of the JWSC.

### Part C: Confirmation of Compliance of Water/Wastewater Documentation

The Owner/Developer of this water/wastewater system does hereby warrant that the Record Drawings and all appropriate utility easements and/or deeds have been provided to the JWSC.

### Part D: Fair Value (Cost Basis) of Dedicated System (To be completed by Engineer)

The Fair Value (Cost Basis) of the installed **water system**, which is approximately 1,939 linear feet as constructed, is estimated to be \$ 170,223.

The Fair Value (Cost Basis) of the installed **sanitary sewer system**, which is approximately 1,642 linear feet, is estimated to be \$ 127,890.

The Fair Value (Cost Basis) of the installed **wastewater lift station**, which design capacity is \_\_\_\_\_ gallons per minute @ \_\_\_\_\_ feet Total Dynamic Head, is estimated to be \$ \_\_\_\_\_.

The Fair Value (Cost Basis) of the installed **potable water well**, which design capacity is \_\_\_\_\_ gallons per minute @ \_\_\_\_\_ feet Total Dynamic Head, is estimated to be \$ \_\_\_\_\_.



### Engineer's Certification

The information cited in Part "D" of this application is based on my professional evaluation of the costs of materials and installation of the water/wastewater system(s) as constructed in accordance with the approved standards and specifications for this project; and I do hereby certify, to the best of my knowledge and belief, that these amounts as provided are an accurate representation of this systems Fair Value on a Cost Basis as of the date of this Application.


Engineer Printed Name: Johnathan Roberts	Georgia P.E. Registration # : 034205
Engineer Signature:	Date (mm/dd/yyyy): 01/23/2024

(INSERT ENGINEER SEAL)



### Part E: Owner/Developer Certification

I/We, Frederica Marsh Lots, LLC, do hereby certify that all application information herein provided on the aforementioned water/wastewater development project is true and accurate to the best of my/our knowledge and belief.

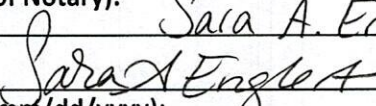
Printed Name of Grantor (Company, LLC, Inc.): Frederica Marsh Lots, LLC	
Printed Name of Grantor Representative: Brett Flanagan	
Title of Grantor: Owner	
Signature of Grantor: 	Date Signed(mm/dd/yyyy): 01/23/2024

Only if this is a Corporation, include name of someone to Attest and insert the Corporate Seal  
Otherwise skip to Notary

Printed Name of Attestor:	
Title of Attestor:	
Signature of Attestor:	Date Signed (mm/dd/yyyy):

(CORPORATE SEAL HERE)

### All Applications must be Notarized

Date signed, sealed and delivered (mm/dd/yyyy): 01/23/2024
In the presence of (printed Name of Notary): Sara A. Englert
Signature of Notary Public: 
Date Notary Commission Expires (mm/dd/yyyy): 12/21/2025



ACCEPTED BY BRUNSWICK GLYNN JOINT WATER & SEWER COMMISSION

Date Accepted (Commission Meeting):	
Printed Name of Chairman:	
Signature of Chairman:	Date Signed (mm/dd/yyyy):

Return to:  
McQuigg, Smith & Corry, LLC  
504 Beachview Drive, 3D  
St. Simons Island, Georgia 31522

STATE OF GEORGIA  
COUNTY OF GLYNN

**WATER AND SEWER UTILITIES EASEMENT**

THIS WATER AND SEWER UTILITY EASEMENT, made and entered into this \_\_\_\_ day of December, 2023 by and between FREDERICA MARSH LOTS, LLC, a Georgia Limited Liability Company, as party of the first part (hereinafter referred to as the "Grantor") and the BRUNSWICK-GLYNN COUNTY JOINT WATER AND SEWER COMMISSION, a body corporate and politic and a public corporation, established by a Local Act of the General Assembly of the State of Georgia, acting by and through its Commissioners (hereinafter referred to as the "Grantee").

WITNESSETH:

For and in consideration of the premises, and other good and valuable consideration, the receipt and sufficiency of which is hereby acknowledged the Grantor does hereby grant and convey unto said Grantee, its successors and assigns, a perpetual easement and right to construct, reconstruct, install, locate, relocate, maintain, repair, replace and use water lines, sanitary sewer lines, valves, manholes, such other lines Grantee deems necessary for water and sewer service, and related equipment and facilities over, across and through a portion of the Grantor's Property (the "Easement Area"), described as follows:

**SEE EXHIBIT "A" ATTACHED HERETO AND INCORPORATED  
HEREIN BY REFERENCE**

1. Grant of Easement for Utilities:



- a. Grantor hereby transfers and conveys an easement in and to all property described in Exhibit "A" for the location, maintenance, and repair of water lines, sanitary sewer lines, valves, manholes and related equipment and facilities (hereinafter referred to as "Water and Sewer Utilities") in the Easement Area.
- b. The grant of this easement includes the right at all times for representatives of Grantee to enter upon said Easement Area for purposes described herein, including the right to cut away and keep clear of Water and Sewer Utilities any and all vegetation that might, in the opinion of the Grantee, endanger or injure the Water and Sewer Utilities or their appurtenances, or interfere with their proper operation or maintenance; the right of ingress to and egress from the Easement Area across the land referred to herein for the purpose of exercising the rights herein granted, provided, that failure of the Grantee to exercise any of the rights herein granted shall not be construed as a waiver or abandonment of the right hereafter at any time and from time to time to exercise any or all of same. Grantee shall not be liable for, or bound by, any statement, agreement or understanding not herein expressed.
- c. Grantor warrants that no building, shed, mobile home, fence, swimming pool or other such structures, or any crops, trees or large shrubs shall be erected or planted over the Water and Sewer Utilities nor within the boundary of the Easement Area as stated herein; that no other utility shall be permitted within the Easement Area that interferes with the operation and maintenance of the Water and Sewer Utilities.
- d. In the event a building or other structure should be erected within the Easement Area, no claim for damages shall be made by Grantor, its heirs or assigns, on account of any damage that might occur to such structure, building or contents thereof due to the operation or maintenance of said

Water and Sewer Utilities or their appurtenances, or any accident or mishap that might occur therein or thereto.

2. Maintenance: Except as hereinafter provided, that in the event excavation construction, reconstruction, installation, location, relocation, maintenance, repair or replacement are necessary to the Water and Sewer Utilities, or equipment and facilities, as described above, the Grantee shall, at its expense, perform such work. Provided, however, the Grantee shall not be responsible for full restoration of the Easement Area to match the original condition.
3. Limitation of Easement Rights: The Grantor does not convey any land, but merely grants the rights, privileges and easement herein above set out.
4. Encumbrances: Grantor herein by these presents warrants there are no liens, mortgages, or other encumbrances to a clear title to the Easement Area and that Grantor is legally qualified and entitled to grant the easement herein with respect to the lands described.
5. Binding Effect: This instrument shall be binding upon and shall inure to the benefit of Grantor, Grantee, and each of their respective heirs, personal representatives, successors, and assigns.
6. Other or Special Terms and Conditions: NONE.

**TO HAVE AND TO HOLD** the above-described utility easement rights in and to the said Easement Area to Grantee, so that neither Grantor nor any person or persons claiming under it shall at any time, by an means or ways, dispute the perpetual easement right of Grantee to the use of said easement.

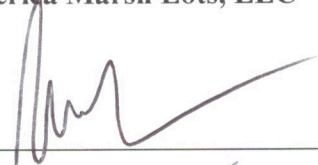
**IN WITNESS WHEREOF**, the parties hereby have, by and through their authorized representatives, set their hands and affixed their seals the same day and year above written.

(Signature on Following Page)



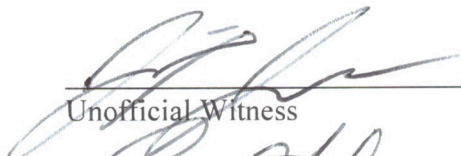
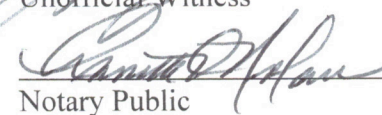
**GRANTOR:**  
**Frederiga Marsh Lots, LLC**

Signed, sealed and delivered  
in the presence of:

  
\_\_\_\_\_

By: Jones Korman

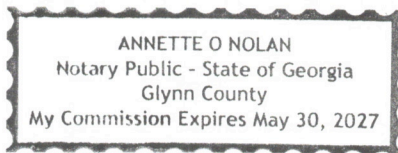
Its: Managing Member

  
\_\_\_\_\_  
Unofficial Witness  
  
\_\_\_\_\_  
Notary Public

Commission Expiration Date:

\_\_\_\_\_

(NOTARIAL SEAL)



**GRANTEE:  
BRUNSWICK-GLYNN COUNTY  
JOINT WATER AND SEWER  
COMMISSION**

Signed, sealed and delivered  
in the presence of:

\_\_\_\_\_

By: \_\_\_\_\_

Its: \_\_\_\_\_

\_\_\_\_\_  
Unofficial Witness

\_\_\_\_\_  
Notary Public

Commission Expiration Date:

\_\_\_\_\_

(NOTARIAL SEAL)

## EXHIBIT "A"

### LEGAL DESCRIPTION

Description of a portion of the Frederica Marsh Lots, LLC property (Deed Book 4640, Page 318) being the Private Right of Ways known as Fred Drive and Erica Lane as shown on the Final Subdivision Plat of Frederica Marsh Cottages recorded in Plat Drawer 36, Page 360, said property being located on St. Simons Island in the 25<sup>th</sup> G.M.D., Glynn County, Georgia and described more particularly, to wit:

Beginning at a 1/2" iron rebar found at the southeast corner of said Frederica Marsh Lots, LLC property, said point also being in the western right of way of Hampton Point Drive (100' public right of way); thence along the southern line of said Frederica Marsh Lots, LLC property North 87 degrees 59 minutes 37 seconds West a distance of 369.32 feet to a point of curvature; thence along a curve to the right having a radius of 90.00 feet an arc distance of 132.90 feet (chord: North 45 degrees 41 minutes 22 seconds West, 121.15 feet) to a point of tangency; thence North 03 degrees 23 minutes 07 seconds West a distance of 75.00 feet to a point of curvature; thence along a curve to the left having a radius of 133.74 feet an arc distance of 80.60 feet (chord: North 20 degrees 39 minutes 01 seconds West, 79.38 feet) to a point of tangency; thence North 37 degrees 54 minutes 55 seconds West a distance of 75.00 feet to a point of curvature; thence along a curve to the right having a radius of 70.62 feet an arc distance of 31.35 feet (chord: North 25 degrees 11 minutes 57 seconds West, 31.09 feet) to a point of tangency; thence North 12 degrees 28 minutes 58 seconds West a distance of 83.23 feet to a point of curvature; thence along a curve to the right having a radius of 110.00 feet an arc distance of 220.87 feet (chord: North 45 degrees 02 minutes 19 seconds East, 185.59 feet) to a point of tangency; thence South 77 degrees 26 minutes 23 seconds East a distance of 75.00 feet to a point of curvature; thence along a curve to the left having a radius of 178.17 feet an arc distance of 59.53 feet (chord: South 87 degrees 00 minutes 41 seconds East, 59.25 feet) to a point of tangency; thence North 83 degrees 25 minutes 02 seconds East a distance of 75.73 feet to a point of curvature; thence along a curve to the right having a radius of 150.00 feet an arc distance of 22.49 feet (chord: North 87 degrees 42 minutes 42 seconds East, 22.47 feet) to a point of tangency; thence South 87 degrees 59 minutes 37 seconds East a distance of 222.81 feet to a point in the said western right of way of Hampton Point Drive; thence along said western right of way South 02 degrees 00 minutes 23 seconds West a distance of 50.00 feet to a point; thence North 87 degrees 59 minutes 37 seconds West a distance of 222.81 feet to a point of curvature; thence along a curve to the left having a radius of 100.00 feet an arc distance of 14.99 feet (chord: South 87 degrees 42 minutes 42 seconds West, 14.98 feet) to a point of tangency; thence South 83 degrees 25 minutes 02 seconds West a distance of 75.73 feet to a point of curvature; thence along a curve to the right having a radius of 228.17 feet an arc distance of 76.23 feet (chord: North 87 degrees 00 minutes 41 seconds West, 75.88 feet) to a point of tangency; thence North 77 degrees 26 minutes 23 seconds West a distance of 75.00 feet to a point of curvature; thence along a curve to the left having a radius of 60.00 feet an arc distance of 120.47 feet (chord: South 45 degrees 02 minutes 19 seconds West, 101.23 feet) to a point of tangency; thence South 12 degrees 28 minutes 58 seconds East a distance of 83.23 feet to a point of curvature; thence along a curve to the left having a radius of 20.62 feet an arc distance 9.15 feet (chord: South 25 degrees 11 minutes 57 seconds East, 9.08 feet) to a point of tangency; thence South 37 degrees 54 minutes 55 seconds East a distance of 75.00 feet to a point of curvature; thence along a curve

to the right having a radius of 183.74 feet an arc distance of 12.85 feet (chord: South 35 degrees 54 minutes 44 seconds East, 12.84 feet) to a point; thence North 62 degrees 20 minutes 24 seconds East a distance of 48.42 feet to a point of curvature; thence along a curve to the right having a radius of 70.00 feet an arc distance of 36.24 feet (chord: North 77 degrees 10 minutes 23 seconds East, 35.84 feet) to a point of tangency; thence South 87 degrees 59 minutes 37 seconds East a distance of 167.77 feet to a point of non-tangent curvature; thence along a curve to the right having a radius of 50.00 feet an arc distance of 273.01 feet (chord: South 02 degrees 00 minutes 23 seconds West, 40.00 feet) to a point; thence North 87 degrees 59 minutes 37 seconds West a distance of 167.77 feet to a point of curvature; thence along a curve to the left having a radius of 30.00 feet an arc distance of 15.53 feet (chord: South 77 degrees 10 minutes 23 seconds West, 15.36 feet) to a point of tangency; thence South 62 degrees 20 minutes 24 seconds West a distance of 48.42 feet to a point of non-tangent curvature; thence along a curve to the right having a radius of 183.74 feet an arc distance of 57.80 feet (chord: South 12 degrees 23 minutes 53 seconds East, 57.57 feet) to a point of tangency; thence South 03 degrees 23 minutes 07 seconds East a distance of 75.00 feet to a point of curvature; thence along a curve to the left having a radius of 40.00 feet an arc distance of 59.07 feet (chord: South 45 degrees 41 minutes 22 seconds East, 53.85 feet) to a point of tangency; thence South 87 degrees 59 minutes 37 seconds East a distance of 369.32 feet to a point in said western right of way of Hampton Point Drive; thence along said western right of way South 02 degrees 00 minutes 23 seconds West a distance of 50.00 feet to the true point of beginning and containing 89,660 square feet (2.058 acres) of land, more or less.



Return to:  
McQuigg, Smith & Corry, LLC  
504 Beachview Drive, 3D  
St. Simons Island, Georgia 31522

STATE OF GEORGIA  
COUNTY OF GLYNN

**WATER AND SEWER UTILITIES EASEMENT**

THIS WATER AND SEWER UTILITY EASEMENT, made and entered into this \_\_\_\_ day of February, 2024 by and between FREDERICA CLUB AMENITIES, LLC, a Georgia Limited Liability Company, as party of the first part (hereinafter referred to as the "Grantor") and the BRUNSWICK-GLYNN COUNTY JOINT WATER AND SEWER COMMISSION, a body corporate and politic and a public corporation, established by a Local Act of the General Assembly of the State of Georgia, acting by and through its Commissioners (hereinafter referred to as the "Grantee").

WITNESSETH:

For and in consideration of the premises, and other good and valuable consideration, the receipt and sufficiency of which is hereby acknowledged the Grantor does hereby grant and convey unto said Grantee, its successors and assigns, a perpetual easement and right to construct, reconstruct, install, locate, relocate, maintain, repair, replace and use water lines, sanitary sewer lines, valves, manholes, such other lines Grantee deems necessary for water and sewer service, and related equipment and facilities over, across and through a portion of the Grantor's Property (the "Easement Area"), described as follows:

**SEE EXHIBIT "A" ATTACHED HERETO AND INCORPORATED  
HEREIN BY REFERENCE**

1. Grant of Easement for Utilities:

- a. Grantor hereby transfers and conveys an easement in and to all property described in Exhibit "A" for the location, maintenance, and repair of water lines, sanitary sewer lines, valves, manholes and related equipment and facilities (hereinafter referred to as "Water and Sewer Utilities") in the Easement Area.
- b. The grant of this easement includes the right at all times for representatives of Grantee to enter upon said Easement Area for purposes described herein, including the right to cut away and keep clear of Water and Sewer Utilities any and all vegetation that might, in the opinion of the Grantee, endanger or injure the Water and Sewer Utilities or their appurtenances, or interfere with their proper operation or maintenance; the right of ingress to and egress from the Easement Area across the land referred to herein for the purpose of exercising the rights herein granted, provided, that failure of the Grantee to exercise any of the rights herein granted shall not be construed as a waiver or abandonment of the right hereafter at any time and from time to time to exercise any or all of same. Grantee shall not be liable for, or bound by, any statement, agreement or understanding not herein expressed.
- c. Grantor warrants that no building, shed, mobile home, fence, swimming pool or other such structures, or any crops, trees or large shrubs shall be erected or planted over the Water and Sewer Utilities nor within the boundary of the Easement Area as stated herein; that no other utility shall be permitted within the Easement Area that interferes with the operation and maintenance of the Water and Sewer Utilities.
- d. In the event a building or other structure should be erected within the Easement Area, no claim for damages shall be made by Grantor, its heirs or assigns, on account of any damage that might occur to such structure, building or contents thereof due to the operation or maintenance of said

Water and Sewer Utilities or their appurtenances, or any accident or mishap that might occur therein or thereto.

2. Maintenance: Except as hereinafter provided, that in the event excavation construction, reconstruction, installation, location, relocation, maintenance, repair or replacement are necessary to the Water and Sewer Utilities, or equipment and facilities, as described above, the Grantee shall, at its expense, perform such work. Provided, however, the Grantee shall not be responsible for full restoration of the Easement Area to match the original condition.
3. Limitation of Easement Rights: The Grantor does not convey any land, but merely grants the rights, privileges and easement herein above set out.
4. Encumbrances: Grantor herein by these presents warrants there are no liens, mortgages, or other encumbrances to a clear title to the Easement Area and that Grantor is legally qualified and entitled to grant the easement herein with respect to the lands described.
5. Binding Effect: This instrument shall be binding upon and shall inure to the benefit of Grantor, Grantee, and each of their respective heirs, personal representatives, successors, and assigns.
6. Other or Special Terms and Conditions: NONE.

**TO HAVE AND TO HOLD** the above-described utility easement rights in and to the said Easement Area to Grantee, so that neither Grantor nor any person or persons claiming under it shall at any time, by any means or ways, dispute the perpetual easement right of Grantee to the use of said easement.

**IN WITNESS WHEREOF**, the parties hereby have, by and through their authorized representatives, set their hands and affixed their seals the same day and year above written.

(Signature on Following Page)



**GRANTOR:**  
**Frederica Club Amenities, LLC**

Signed, sealed and delivered  
in the presence of:

\_\_\_\_\_

By: \_\_\_\_\_

Its: \_\_\_\_\_

\_\_\_\_\_  
Unofficial Witness

\_\_\_\_\_  
Notary Public

Commission Expiration Date:

\_\_\_\_\_

(NOTARIAL SEAL)

**GRANTEE:  
BRUNSWICK-GLYNN COUNTY  
JOINT WATER AND SEWER  
COMMISSION**

Signed, sealed and delivered  
in the presence of:

\_\_\_\_\_

By: \_\_\_\_\_

Its: \_\_\_\_\_

\_\_\_\_\_  
Unofficial Witness

\_\_\_\_\_  
Notary Public

Commission Expiration Date:

\_\_\_\_\_

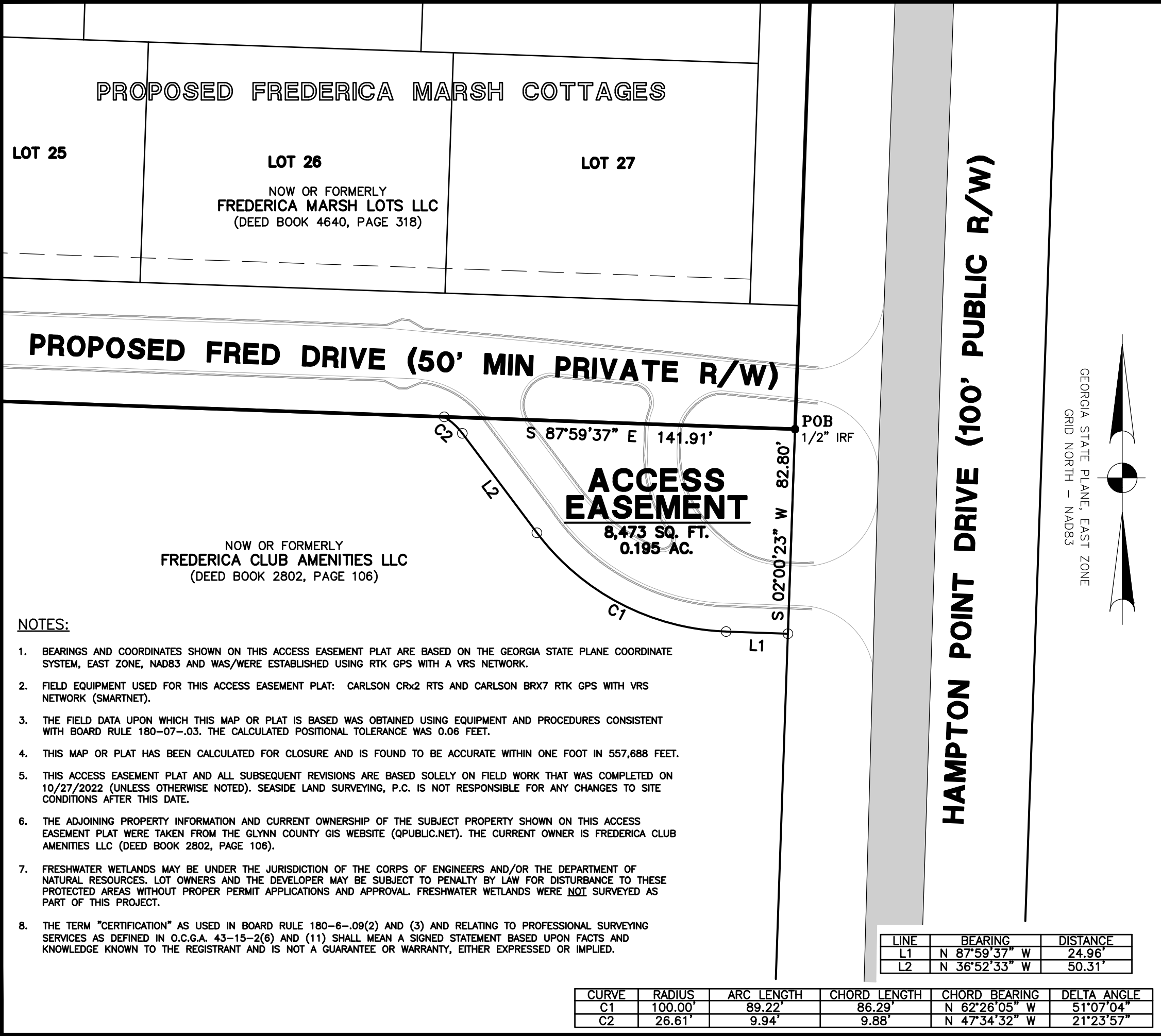
(NOTARIAL SEAL)

## **EXHIBIT "A"**

### **LEGAL DESCRIPTION**


Description of a utilities easement over and across the Frederica Club Amenities, LLC property (Deed Book 2802, Page 106), said property being located on St. Simons Island in the 25<sup>th</sup> G.M.D., Glynn County, Georgia and described more particularly, to wit:

Beginning at a ½" iron rebar found at the southeast corner of the Frederica Marsh Lots, LLC property (Deed Book 4640, Page 318), said point also being in the western right of way of Hampton Point Drive (100' public right of way); thence along said western right of way south 02 degrees 00 minutes 23 seconds west a distance of 82.80 feet to a point; thence leaving said right of way and continuing across the Frederica Club Amenities, LLC property north 87 degrees 59 minutes 37 seconds west a distance of 24.96 feet to a point of curvature; thence along a curve to the right having a radius of 100.00 feet an arc distance of 89.22 feet (chord: north 62 degrees 26 minutes 05 seconds west, 86.29 feet) to a point of tangency; thence north 36 degrees 52 minutes 33 seconds west a distance of 50.31 feet to a point of curvature; thence along a curve to the left having a radius of 26.61 feet an arc distance 9.94 feet (chord: north 47 degrees 34 minutes 32 seconds west, 9.88 feet) to a point in the south line of said Frederica Marsh Lots, LLC property; thence along said south line south 87 degrees 59 minutes 37 seconds east a distance of 141.91 feet to the point of beginning and containing 8,473 square feet (0.195 acres) of land, more or less.



SEASIDE LAND SURVEYING, P.C.  
104 FERNWOOD COURT  
BRUNSWICK, GA 31523  
912-289-8453  
CERTIFICATE OF AUTHORIZATION: LSF 1376

GEORGIA  
REGISTERED  
PROFESSIONAL  
No. 3356  
LAND SURVEYOR  
CHRISTOPHER M. YOUNG



CHRISTOPHER M. YOUNG, GA PLS #3356  
DRAWING DATE: 10/08/2023

THIS DOCUMENT AND ALL REPRODUCIBLE COPIES OF THIS DOCUMENT ARE THE PROPERTY OF SEASIDE LAND SURVEYING, P.C. REPRODUCTION OF THIS DOCUMENT IS NOT PERMITTED WITHOUT THE WRITTEN CONSENT OF SEASIDE LAND SURVEYING, P.C. UNLESS THIS DOCUMENT BECOMES A MATTER OF PUBLIC RECORD. ALTERATIONS TO THIS DOCUMENT ARE NOT PERMITTED.

40'0'20'40'80'

SCALE: 1" = 40'

PROJECT22037DRAFTERCMY

DWG FILE22037ACCESMTFIELD CREWAA/DW

NO.	REVISION	BY	DATE

ACCESS EASEMENT

ACROSS THE PROPERTY OF  
FREDERICA AMENITIES LLC  
(FREDERICA GOLF COURSE)

25TH G.M.D.  
ST. SIMONS ISLAND  
GLYNN COUNTY, GEORGIA

PREPARED FOR:  
FREDERICA MARSH LOTS LLC

SHEET 1 OF 1

**Brunswick-Glynn County Joint Water & Sewer Commission**  
**1703 Gloucester Street ~ Brunswick, Georgia 31520 ~ 912.261.7126**  
**[www.bgjwsc.org/departments/planning-and-construction/](http://www.bgjwsc.org/departments/planning-and-construction/)**



## **Application for Dedication of Water/Wastewater Systems**

### **Part A: Statement of Intention**

Having completed the installation of the water/wastewater system for the property tract or

Sub-division heretofore known as Merritt Place; the current

Owner(s) of the system, being Merritt Place Rentals, LLC, located

at P.O. Box 346, Jesup, GA 31598, is desirous of dedicating the constructed

utility system(s) for ownership, operation and maintenance to the appropriate public entity licensed and permitted to operate such system(s) within this jurisdictional area. This Application and requested information is being submitted with this intention.

### **Part B: Recognition and Acceptance of Warranties**

The Owner/Developer of this water/wastewater system does hereby recognize and accept the responsibility for correcting any and all system defects that may occur or be found during the operation of the system by the JWSC for a period of two (2) years from the written date of acceptance by the governmental body to which the system is dedicated. This warranty covers materials and workmanship items, as well as those components of the infrastructure damaged by other utilities and/or contractors who may cause damage to the water/wastewater system as herein accepted, excepting such defects caused or resulting from the sole negligence of the JWSC.

### **Part C: Confirmation of Compliance of Water/Wastewater Documentation**

The Owner/Developer of this water/wastewater system does hereby warrant that the Record Drawings and all appropriate utility easements and/or deeds have been provided to the JWSC.

### **Part D: Fair Value (Cost Basis) of Dedicated System (To be completed by Engineer)**

The Fair Value (Cost Basis) of the installed **water system**, which is approximately 1,035 linear feet as constructed, is estimated to be \$ 56,975.

The Fair Value (Cost Basis) of the installed **sanitary sewer system**, which is approximately 2,051.7 linear feet, is estimated to be \$ 91,600.

The Fair Value (Cost Basis) of the installed **wastewater lift station**, which design capacity is N/A gallons per minute @ N/A feet Total Dynamic Head, is estimated to be \$ N/A.

The Fair Value (Cost Basis) of the installed **potable water well**, which design capacity is N/A gallons per minute @ N/A feet Total Dynamic Head, is estimated to be \$ N/A.



**Engineer's Certification**

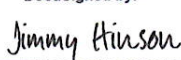
The information cited in Part "D" of this application is based on my professional evaluation of the costs of materials and installation of the water/wastewater system(s) as constructed in accordance with the approved standards and specifications for this project; and I do hereby certify, to the best of my knowledge and belief, that these amounts as provided are an accurate representation of this systems Fair Value on a Cost Basis as of the date of this Application.

<b>Engineer Printed Name:</b> JOHNATHAN ROBERTS	<b>Georgia P.E. Registration # :</b> 034205
<b>Engineer Signature:</b>	<b>Date (mm/dd/yyyy):</b> 09/14/2023

(INSERT ENGINEER SEAL)

**Part E: Owner/Developer Certification**

I/We, Merritt Place Rentals, LLC, do hereby certify that all application information herein provided on the aforementioned water/wastewater development project is true and accurate to the best of my/our knowledge and belief.

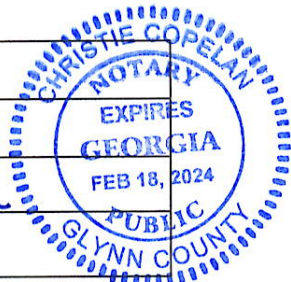
<b>Printed Name of Grantor (Company, LLC, Inc.):</b> Merritt Place Rentals, LLC	
<b>Printed Name of Grantor Representative:</b> Jimmy Hinson	
<b>Title of Grantor:</b> Member/Mgr.	
<b>Signature of Grantor:</b>  <small>DocuSigned by: Jimmy Hinson 61CE50954027414...</small>	<b>Date Signed(mm/dd/yyyy):</b> 09/14/2023

Only if this is a Corporation, include name of someone to Attest and insert the Corporate Seal  
Otherwise skip to Notary

<b>Printed Name of Attestor:</b>	
<b>Title of Attestor:</b>	
<b>Signature of Attestor:</b>	<b>Date Signed (mm/dd/yyyy):</b>

**(CORPORATE SEAL HERE)****All Applications must be Notarized**

<b>Date signed, sealed and delivered (mm/dd/yyyy):</b>	8 - 17 - 23
<b>In the presence of (printed Name of Notary):</b>	Christie Copelan
<b>Signature of Notary Public:</b>	Christie Copelan
<b>Date Notary Commission Expires (mm/dd/yyyy):</b>	2 - 18 - 24



**ACCEPTED BY BRUNSWICK GLYNN JOINT WATER & SEWER COMMISSION**

<b>Date Accepted (Commission Meeting):</b>	
<b>Printed Name of Chairman:</b>	
<b>Signature of Chairman:</b>	<b>Date Signed (mm/dd/yyyy):</b>



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*(Above the Line Reserved for Clerk Recording Data)*

Return to:  
Brunswick-Glynn County Joint  
Water and Sewer Commission  
Attn: Andrew Burroughs, Exec. Dir.  
1703 Gloucester Street Brunswick,  
GA 31520

**STATE OF GEORGIA  
COUNTY OF GLYNN**

**WATER AND SEWER UTILITIES EASEMENT**

**THIS WATER AND SEWER UTILITIES EASEMENT** grant and dedication, made and entered into this       day of       , 20   , by and between       , a       , (hereinafter referred to as the "Grantor") and the **BRUNSWICK-GLYNN COUNTY JOINT WATER AND SEWER COMMISSION**, a body corporate and politic and a public corporation, established by a Local Act of the General Assembly of the State of Georgia, acting by and through its Commissioners (hereinafter referred to as the "Grantee").

**WITNESSETH:**

For and in consideration of the premises, and other good and valuable consideration, the receipt and sufficiency of which is hereby acknowledged, the Grantor does hereby grant and convey unto said Grantee, its successors and assigns, a perpetual easement and right to

construct, reconstruct, install, locate, relocate, maintain, repair, replace and use water lines, sanitary sewer lines, valves, manholes, such other lines Grantee deems necessary for water and sewer service, and related equipment and facilities over, across and through a portion of the Grantor's Property (the "Easement Area"), described as follows:

***SEE EXHIBIT "A" ATTACHED HERETO AND INCORPORATED HEREIN BY  
REFERENCE.***

1. Grant of Easement for Utilities:

a. Grantor hereby transfers and conveys an easement in and to all property described in Exhibit "A" for the location, maintenance, and repair of water lines, sanitary sewer lines, valves, manholes, access roads, ditch or creek crossings and related equipment and facilities (hereinafter referred to as "Water and Sewer Utilities") in the Easement Area.

b. The grant of this easement includes the right at all times for representatives of Grantee to enter upon said Easement Area for purposes described herein, including the right to cut away and keep clear of Water and Sewer Utilities any and all vegetation that might, in the opinion of the Grantee, endanger or injure the Water and Sewer Utilities or their appurtenances, or interfere with their proper operation or maintenance; the right of ingress to and egress from the Easement Area across the land referred to herein for the purpose of exercising the rights herein granted; provided, that failure of the Grantee to exercise any of the rights herein granted shall not be construed as a waiver or abandonment of the right hereafter at any time and from time to time to exercise any or all of same. Grantee shall not be liable for, or bound by, any statement, agreement or understanding not herein expressed.

c. Grantor warrants that no building, shed, mobile home, fence, swimming pool or other such structures, or any crops, trees or large shrubs shall be erected or planted over the Water and Sewer Utilities nor within the boundary of the Easement Area as stated

herein; that no other utility shall be permitted within the Easement Area that interferes with the operation and maintenance of the Water and Sewer Utilities; that no fill material or paving shall be placed within the Easement Area unless permitted in writing by the Grantee; and, that any structure/fill material placed upon, or vegetation planted within the Easement Area in contradiction herein shall be removed at the property owner's expense.

d. In the event a building or other structure should be erected within the Easement Area, no claim for damages shall be made by Grantor, its heirs or assigns, on account of any damage that might occur to such structure, building or contents thereof due to the operation or maintenance of said Water and Sewer Utilities or their appurtenances, or any accident or mishap that might occur therein or thereto.

2. Maintenance: Except as hereinafter provided, that in the event excavation, construction, reconstruction, installation, location, relocation, maintenance, repair or replacement are necessary to the Water and Sewer Utilities, or equipment and facilities, as described above, the Grantee shall, at its expense, perform such work. Provided, however, the Grantee shall not be responsible for full restoration of the Easement Area to match the original condition.

3. Limitation of Easement Rights: The Grantor does not convey any land, but merely grants the rights, privileges and easement herein above set out.

4. Encumbrances: Grantor herein by these presents warrants there are no liens, mortgages, or other encumbrances to a clear title to the Easement Area, except as follows: which is recorded in the office of the Superior Court real property records of Glynn County in Book     at Page     and that Grantor is legally qualified and entitled to grant the easement herein with respect to the lands described.

**TO HAVE AND TO HOLD** the above described water and sewer easement rights in and to the said Easement Area to the Grantee, so that neither the Grantor nor any person or persons claiming under it shall at any time, by an means or ways, dispute the perpetual easement right of the Grantee to the use of said easement.

**IN WITNESS WHEREOF**, the said Grantor has set their hand and affixed their seal of the undersigned and delivered these presents on this the day and year first above written.

<b>Printed Name of Grantor:</b>	
<b>Title of Grantor:</b>	
<b>Signature of Grantor:</b>	<b>Date Signed:</b>

***STAMP CORPORATE SEAL (if Grantor is an LLC or INC)***

<b>Printed Name of Unofficial Witness:</b>
<b>Signature of Unofficial Witness:</b>
<b>Signed, sealed and delivered on this      day of      , 20</b> <b>and in the presence of:</b>
<b>Signature of Notary Public:</b>
<b>My Commission Expires:</b>

***STAMP NOTARIAL SEAL***

ACCEPTED THIS \_\_\_\_\_ DAY  
OF \_\_\_\_\_, 20\_\_\_\_\_.

**BRUNSWICK-GLYNN COUNTY JOINT  
WATER AND SEWER COMMISSION**

By: \_\_\_\_\_

Name:  
Chairman

Attest to: \_\_\_\_\_

Name:  
Commission Clerk

## EXHIBIT A

ALL THAT CERTAIN LOT, PARCEL OR TRACT OF LAND, SITUATE, LYING AND BEING IN GEORGIA MILITIA DISTRICT 26, GLYNN COUNTY, GEORGIA AND BEING A PORTION OF MERRIT CIRCLE (A 50' PRIVATE RIGHT-OF-WAY) AND YARNELL DRIVE (A 50' PRIVATE RIGHT-OF-WAY) AS SHOWN ON A PLAT BY SHUPE SURVEYING COMPANY, P.C., TITLED "FINAL PLAT OF: MERRITT'S PLACE, PHASE III", DATED 7/24/23, LAST REVISED 9/07/23, AND BEING MORE PARTICULARLY DESCRIBED AS FOLLOWS:

BEGINNING AT A ½" CAPPED (SSC PC/LSF 317) IRON REBAR LOCATED ON THE EASTERLY RIGHT-OF-WAY OF YARNELL DRIVE, SAID IRON REBAR HAVING COORDINATES (GEORGIA STATE PLANE COORDINATE SYSTEM, EAST ZONE, NAD83) OF N=448342.48, E=861712.29, PROCEED ALONG SAID RIGHT-OF-WAY OF YARNELL DRIVE THE FOLLOWING COURSES AND DISTANCES: SOUTH 51 DEGREES 28 MINUTES 29 SECONDS WEST FOR A DISTANCE OF 64.18 FEET TO A POINT; THENCE NORTH 00 DEGREES 17 MINUTES 36 SECONDS EAST FOR A DISTANCE OF 132.86 FEET TO A POINT ON THE SOUTHERLY RIGHT-OF-WAY OF MERRIT CIRCLE; THENCE CONTINUING ALONG SAID RIGHT-OF-WAY OF MERRIT CIRCLE THE FOLLOWING COURSES AND DISTANCES: ALONG A CURVE TURNING TO THE LEFT AN ARC LENGTH OF 39.27 FEET, (SAID CURVE HAVING A RADIUS OF 25.00 FEET, A CHORD BEARING OF NORTH 44 DEGREES 42 MINUTES 21 SECONDS WEST, AND A CHORD LENGTH OF 35.35 FEET) TO A POINT; THENCE NORTH 89 DEGREES 42 MINUTES 18 SECONDS WEST FOR A DISTANCE OF 23.93 FEET TO A POINT; THENCE ALONG A CURVE TURNING TO THE LEFT AN ARC LENGTH OF 10.23 FEET, (SAID CURVE HAVING A RADIUS OF 25.00 FEET, A CHORD BEARING OF SOUTH 78 DEGREES 34 MINUTES 19 SECONDS WEST, AND A CHORD LENGTH OF 10.16 FEET) TO A POINT; THENCE SOUTH 66 DEGREES 50 MINUTES 57 SECONDS WEST FOR A DISTANCE OF 614.58 FEET TO A POINT; THENCE ALONG A CURVE TURNING TO THE RIGHT AN ARC LENGTH OF 60.88 FEET, (SAID CURVE HAVING A RADIUS OF 500.00 FEET, A CHORD BEARING OF SOUTH 70 DEGREES 20 MINUTES 13 SECONDS WEST, AND A CHORD LENGTH OF 60.84 FEET) TO A POINT; THENCE WITH A REVERSE CURVE TURNING TO THE LEFT AN ARC LENGTH OF 69.22 FEET, (SAID CURVE HAVING A RADIUS OF 275.00 FEET, A CHORD BEARING OF SOUTH 66 DEGREES 36 MINUTES 49 SECONDS WEST, AND A CHORD LENGTH OF 69.04 FEET) TO A POINT; THENCE NORTH 43 DEGREES 38 MINUTES 05 SECONDS WEST FOR A DISTANCE OF 51.11 FEET TO A POINT; THENCE ALONG A CURVE TURNING TO THE RIGHT AN ARC LENGTH OF 91.83 FEET, (SAID CURVE HAVING A RADIUS OF 325.00 FEET, A CHORD BEARING OF NORTH 65 DEGREES 27 MINUTES 49 SECONDS EAST, AND A CHORD LENGTH OF 91.52 FEET) TO A POINT; THENCE ALONG A CURVE TURNING TO THE RIGHT AN ARC LENGTH OF 1.51 FEET, (SAID CURVE HAVING A RADIUS OF 325.00 FEET, A CHORD BEARING OF NORTH 73 DEGREES 40 MINUTES 54 SECONDS EAST, AND A CHORD LENGTH OF 1.51 FEET) TO A POINT; THENCE WITH A REVERSE CURVE TURNING TO THE LEFT AN ARC LENGTH OF 54.79 FEET, (SAID CURVE HAVING A RADIUS OF 450.00 FEET, A CHORD BEARING OF NORTH 70 DEGREES 20 MINUTES 13 SECONDS EAST, AND A CHORD LENGTH OF 54.75 FEET) TO A POINT; THENCE NORTH 66 DEGREES 50 MINUTES 57 SECONDS EAST FOR A DISTANCE OF 614.58 FEET TO A POINT; THENCE ALONG A CURVE TURNING TO THE RIGHT AN ARC LENGTH OF 30.69 FEET, (SAID CURVE HAVING A RADIUS OF 75.00 FEET, A CHORD BEARING OF NORTH 78 DEGREES 34 MINUTES 19 SECONDS EAST, AND A CHORD LENGTH OF 30.48 FEET) TO A POINT; THENCE SOUTH 89 DEGREES 42 MINUTES 18 SECONDS EAST FOR A DISTANCE OF 98.93 FEET TO A POINT ON THE EASTERLY RIGHT-OF-WAY OF YARNELL DRIVE; THENCE ALONG SAID RIGHT-OF-WAY OF YARNELL DRIVE SOUTH 00

DEGREES 17 MINUTES 36 SECONDS WEST FOR A DISTANCE OF 167.63 FEET TO THE POINT OR PLACE OF BEGINNING. SAID RIGHT-OF-WAY HAVING AN AREA OF 1.163 ACRES.

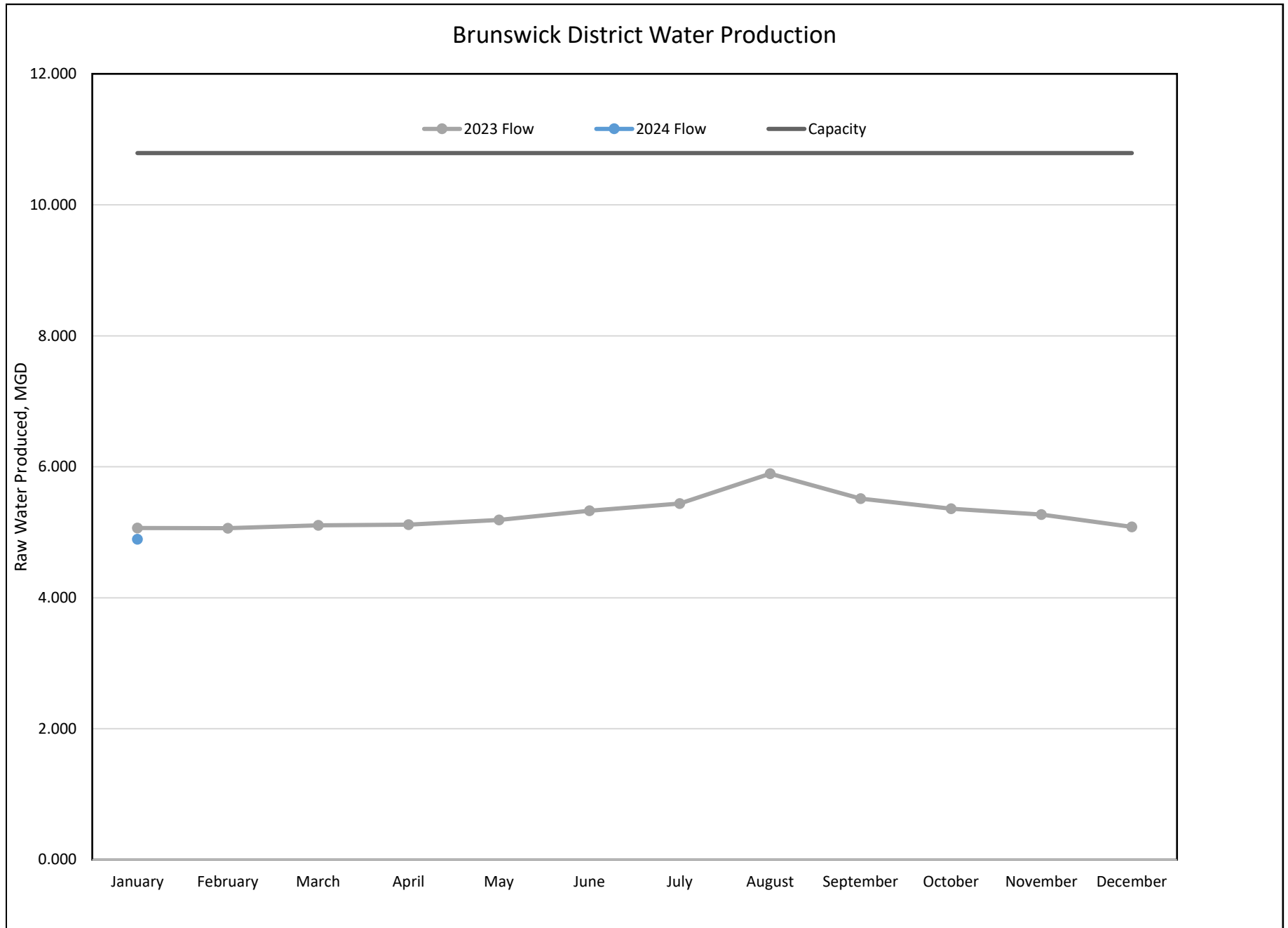
**And:**

ALL THAT CERTAIN LOT, PARCEL OR TRACT OF LAND, SITUATE, LYING AND BEING IN GEORGIA MILITIA DISTRICT 26, GLYNN COUNTY, GEORGIA AND BEING A PORTION OF YARNELL DRIVE (A 60' PRIVATE R/W) AS SHOWN ON A PLAT BY ATLANTIC SURVEY PROFESSIONALS, TITLED "FINAL PLAT OF PHASE I, MERRITT'S PLACE", DATED 3/20/02, LAST REVISED 4/18/02, RECORDED IN PLAT DRAWER 28, PAGE 117, AND BEING MORE PARTICULARLY DESCRIBED AS FOLLOWS:

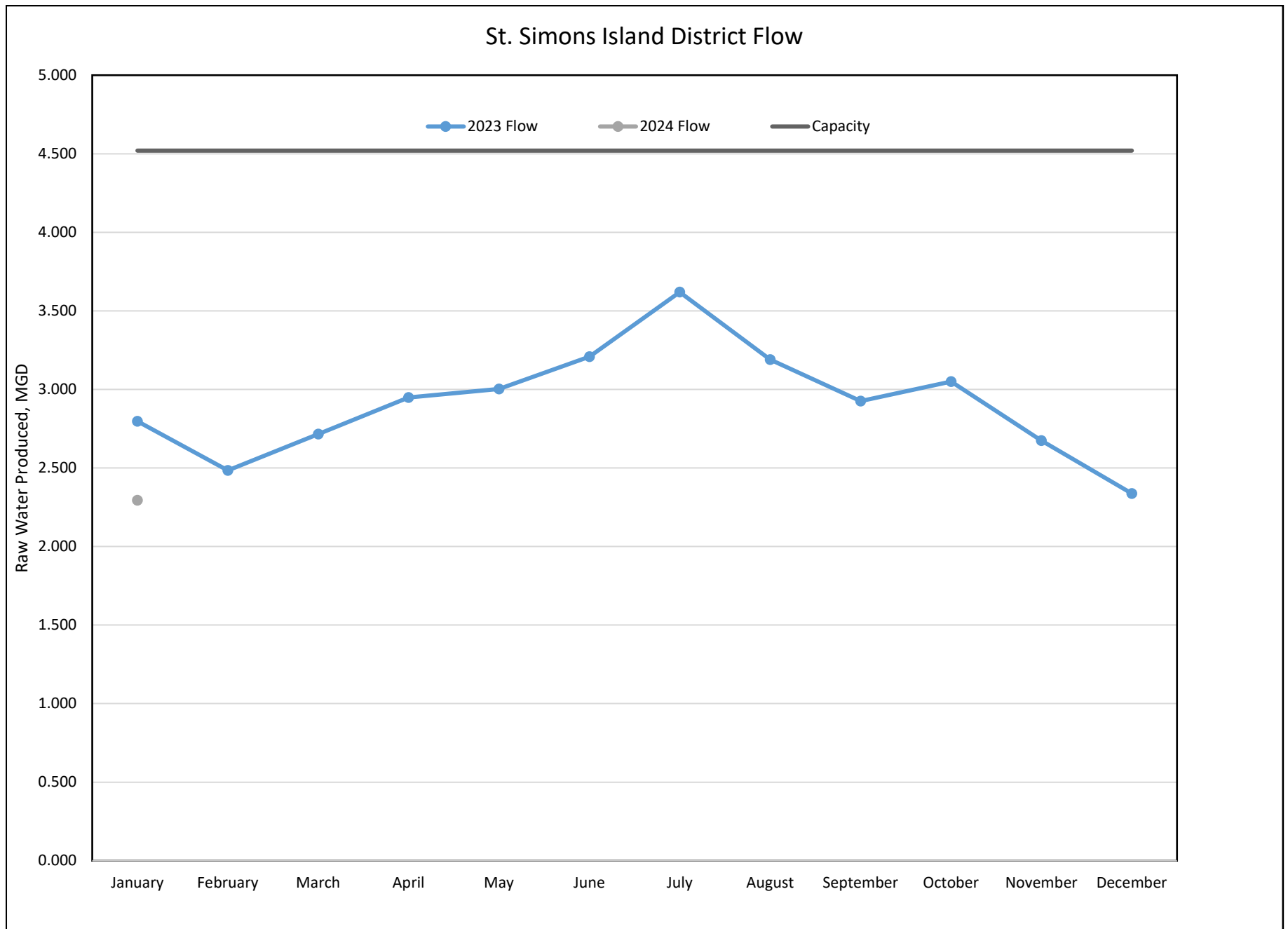
COMMENCING AT A POINT WHICH MARKS THE EASTERLY PROPERTY CORNER OF LOT 1, MERRITT'S LANDING, PHASE I, AT A TURN IN THE 50 FOOT RIGHT-OF-WAY OF YARNELL DRIVE, PROCEED ALONG SAID RIGHT-OF-WAY OF YARNELL DRIVE NORTH 89 DEGREES 36 MINUTES 29 SECONDS EAST FOR A DISTANCE OF 6.65 FEET TO THE POINT OR PLACE OF BEGINNING; THENCE PROCEED ALONG THE PRIVATE RIGHT-OF-WAY OF YARNELL DRIVE THE FOLLOWING COURSES AND DISTANCES: NORTH 00 DEGREES 21 MINUTES 02 SECONDS EAST FOR A DISTANCE OF 39.23 FEET TO A POINT; THENCE NORTH 00 DEGREES 11 MINUTES 29 SECONDS EAST FOR A DISTANCE OF 148.76 FEET TO A POINT; THENCE SOUTH 89 DEGREES 38 MINUTES 58 SECONDS EAST FOR A DISTANCE OF 60.00 FEET TO A POINT; THENCE SOUTH 00 DEGREES 13 MINUTES 21 SECONDS WEST FOR A DISTANCE OF 187.21 FEET TO A POINT; THENCE SOUTH 89 DEGREES 36 MINUTES 29 SECONDS WEST FOR A DISTANCE OF 60.01 FEET TO THE POINT OR PLACE OF BEGINNING. SAID RIGHT-OF-WAY HAVING AN AREA OF 11,248 SQUARE FEET.



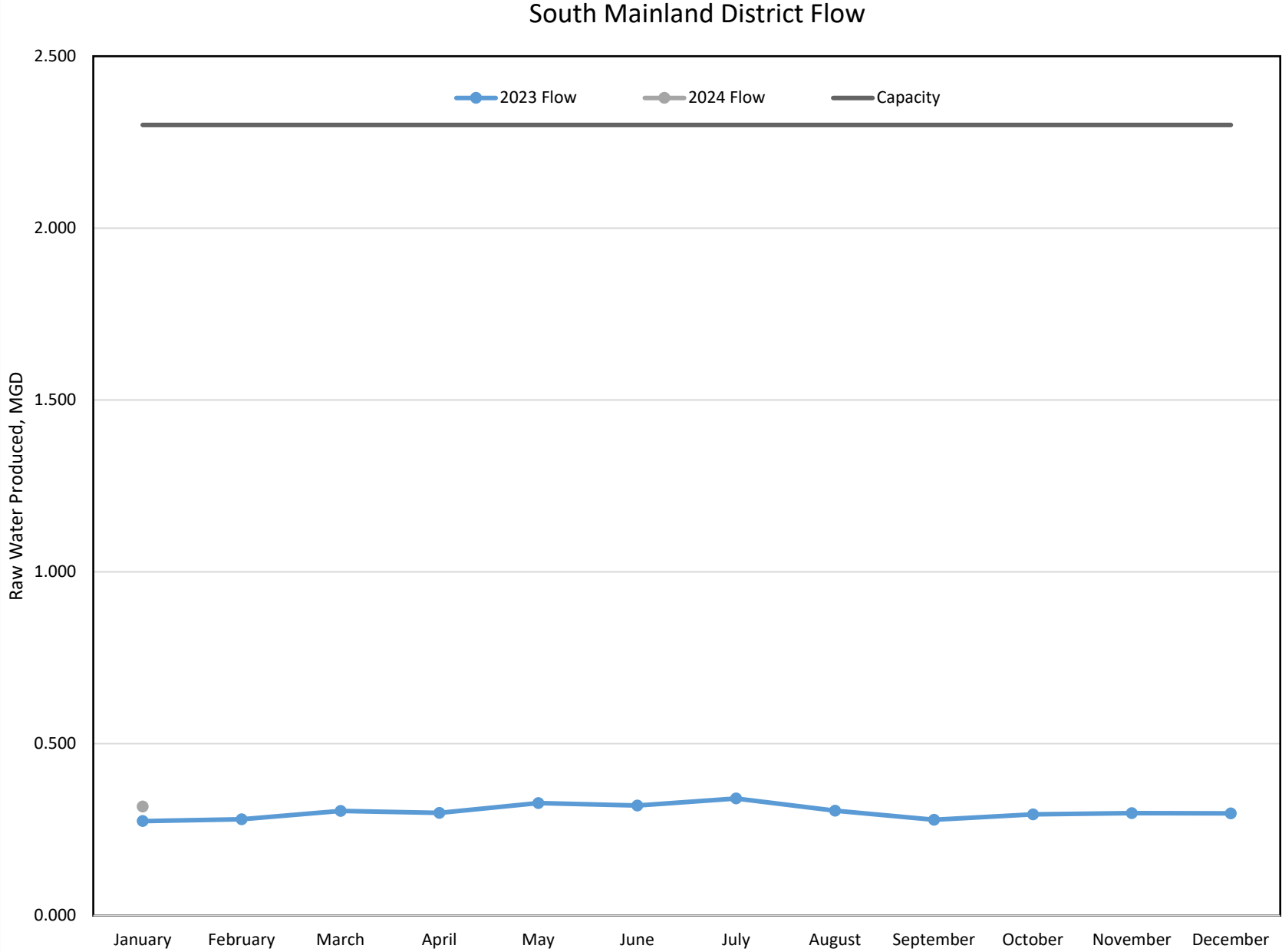
Brunswick District	TOTAL WATER PRODUCED (MG)									DAILY AVERAGE (MGD)									Total Produced	Daily Average	Taste/Odor Complaints
	Month	Howard Coffin	Goodyear Park	Brunswick Villa	FLETC	I-95	Golden Isles I	Golden Isles II	Canal	Ridgewood	Howard Coffin	Goodyear Park	Brunswick Villa	FLETC	I-95	Golden Isles I	Golden Isles II	Canal			
January 2023	11.492	25.238	39.457	0.392	29.264	12.994	18.202	0.005	19.971	0.371	0.814	1.273	0.013	0.944	0.419	0.587	0.000	0.644	157.015	5.065	0
February 2023	12.938	27.363	26.109	0.000	30.811	9.423	15.644	0.005	19.451	0.462	0.977	0.932	0.000	1.100	0.337	0.559	0.000	0.695	141.744	5.062	1
March 2023	12.617	32.261	24.216	2.216	34.170	13.158	18.025	0.005	21.602	0.407	1.041	0.781	0.071	1.102	0.424	0.581	0.000	0.697	158.270	5.105	1
April 2023	13.076	26.855	25.886	3.550	33.938	11.660	16.787	0.005	21.689	0.436	0.895	0.863	0.118	1.131	0.389	0.560	0.000	0.723	153.446	5.115	2
May 2023	21.042	25.245	20.300	4.935	35.650	13.055	18.202	0.005	22.446	0.679	0.814	0.655	0.159	1.150	0.421	0.587	0.000	0.724	160.880	5.190	3
June 2023	14.251	27.441	24.273	7.151	36.682	10.000	14.603	0.005	25.498	0.475	0.915	0.809	0.238	1.223	0.333	0.487	0.000	0.850	159.904	5.330	0
July 2023	27.680	32.154	11.173	8.910	37.902	10.596	16.385	0.005	23.760	0.893	1.037	0.360	0.287	1.223	0.342	0.529	0.000	0.766	168.565	5.438	1
August 2023	27.962	29.920	24.009	8.358	36.989	13.259	17.443	0.005	24.775	0.902	0.965	0.774	0.270	1.193	0.428	0.563	0.000	0.799	182.720	5.894	0
September 2023	23.939	24.545	26.524	2.337	37.731	13.858	15.356	0.005	21.095	0.798	0.818	0.884	0.078	1.258	0.462	0.512	0.000	0.703	165.390	5.513	2
October 2023	27.412	22.647	23.544	3.088	36.827	13.095	19.710	0.005	19.768	0.884	0.731	0.759	0.100	1.188	0.422	0.636	0.000	0.638	166.096	5.358	0
November 2023	23.186	28.391	20.010	2.406	34.055	11.478	17.919	0.005	20.650	0.773	0.946	0.667	0.080	1.135	0.383	0.597	0.000	0.688	158.100	5.270	2
December 2023	25.553	20.301	15.328	7.952	33.357	13.704	17.908	0.005	23.378	0.824	0.655	0.494	0.257	1.076	0.442	0.578	0.000	0.754	157.486	5.080	0
January 2024	23.699	19.220	20.276	15.702	21.934	8.683	18.891	0.005	23.260	0.764	0.620	0.654	0.507	0.708	0.280	0.609	0.000	0.750	151.670	4.893	0
February 2024																					
March 2024																					
April 2024																					
May 2024																					
June 2024																					
July 2024																					
August 2024																					
September 2024																					
October 2024																					
November 2024																					
December 2024																					
Average	27.680	26.275	23.162	5.154	33.793	11.920	17.313	0.005	22.103	0.667	0.864	0.762	0.168	1.110	0.391	0.568	0.000	0.726	160.099	5.255	1
Max	27.962	32.261	39.457	15.702	37.902	13.858	19.710	0.005	25.498	0.902	1.041	1.273	0.507	1.258	0.462	0.636	0.000	0.850	182.720	5.894	3
Min	11.492	19.220	11.173	0.000	21.934	8.683	14.603	0.005	19.451	0.371	0.620	0.360	0.000	0.708	0.280	0.487	0.000	0.638	141.744	4.893	0



St. Simons Island District	TOTAL WATER PRODUCED (MG)				DAILY AVERAGE (MGD)				Total Produced	Daily Average	Taste/Odor Complaints
Month	Mallery	Airport	Harrington	Hampton South	Mallery	Airport	Harrington	Hampton South			
January 2023	24.972	27.550	27.259	6.915	0.806	0.889	0.879	0.223	86.696	2.797	1
February 2023	20.030	22.930	21.717	4.905	0.715	0.819	0.776	0.175	69.582	2.485	0
March 2023	34.455	20.693	22.886	6.155	1.111	0.668	0.738	0.199	84.189	2.716	2
April 2023	26.169	26.692	22.882	12.715	0.872	0.890	0.763	0.424	88.458	2.949	0
May 2023	29.422	26.096	25.571	11.978	0.949	0.842	0.825	0.386	93.067	3.002	2
June 2023	34.864	25.494	25.145	10.747	1.162	0.850	0.838	0.358	96.250	3.208	1
July 2023	37.245	44.361	30.002	0.589	1.201	1.431	0.968	0.019	112.197	3.619	0
August 2023	39.127	23.427	22.195	14.140	1.262	0.756	0.716	0.456	98.889	3.190	1
September 2023	31.783	25.414	19.612	10.965	1.059	0.847	0.654	0.366	87.774	2.926	1
October 2023	39.380	26.363	17.335	11.485	1.270	0.850	0.559	0.370	94.563	3.050	0
November 2023	26.035	26.231	16.238	11.707	0.868	0.874	0.541	0.390	80.211	2.674	0
December 2023	35.893	14.538	15.520	6.511	1.158	0.469	0.501	0.210	72.462	2.337	0
January 2024	35.762	17.993	8.427	8.945	1.154	0.580	0.272	0.289	71.127	2.294	0
February 2024											
March 2024											
April 2024											
May 2024											
June 2024											
July 2024											
August 2024											
September 2024											
October 2024											
November 2024											
December 2024											
Average	31.934	25.214	21.138	9.058	1.045	0.828	0.695	0.297	87.343	2.865	1
Max	39.380	44.361	30.002	14.140	1.270	1.431	0.968	0.456	112.197	3.619	2
Min	20.030	14.538	8.427	0.589	0.715	0.469	0.272	0.019	69.582	2.294	0



South Mainland District	TOTAL WATER PRODUCED (MG)			DAILY AVERAGE (MGD)			Total Produced	Daily Average	Taste/Odor Complaints
Month	Fancy Bluff	Exit 29	Brookman	Fancy Bluff	Exit 29	Brookman			
January 2023	4.677	0.005	3.844	0.151	0.000	0.124	8.526	0.275	0
February 2023	4.108	0.005	3.746	0.147	0.000	0.134	7.859	0.281	0
March 2023	4.733	0.015	4.701	0.153	0.000	0.152	9.449	0.305	0
April 2023	4.762	0.005	4.204	0.159	0.000	0.140	8.971	0.299	0
May 2023	5.735	0.005	4.413	0.185	0.000	0.142	10.153	0.328	0
June 2023	4.313	0.005	5.291	0.144	0.000	0.176	9.609	0.320	0
July 2023	5.461	0.005	5.097	0.176	0.000	0.164	10.563	0.341	0
August 2023	4.710	0.005	4.748	0.152	0.000	0.153	9.463	0.305	0
September 2023	4.486	0.005	3.881	0.150	0.000	0.129	8.372	0.279	0
October 2023	3.049	0.005	6.087	0.098	0.000	0.196	9.141	0.295	0
November 2023	1.990	0.005	6.960	0.066	0.000	0.232	8.955	0.299	0
December 2023	4.108	0.000	5.108	0.133	0.000	0.165	9.216	0.297	0
January 2023	4.696	0.005	5.142	0.151	0.000	0.166	9.843	0.318	0
February 2023									
March 2023									
April 2023									
May 2023									
June 2023									
July 2023									
August 2023									
September 2023									
October 2023									
November 2023									
December 2023									
Average	4.371	0.005	4.863	0.143	0.000	0.160	9.240	0.303	0
Max	5.735	0.015	6.960	0.185	0.000	0.232	10.563	0.341	0
Min	1.990	0.000	3.746	0.066	0.000	0.124	7.859	0.275	0

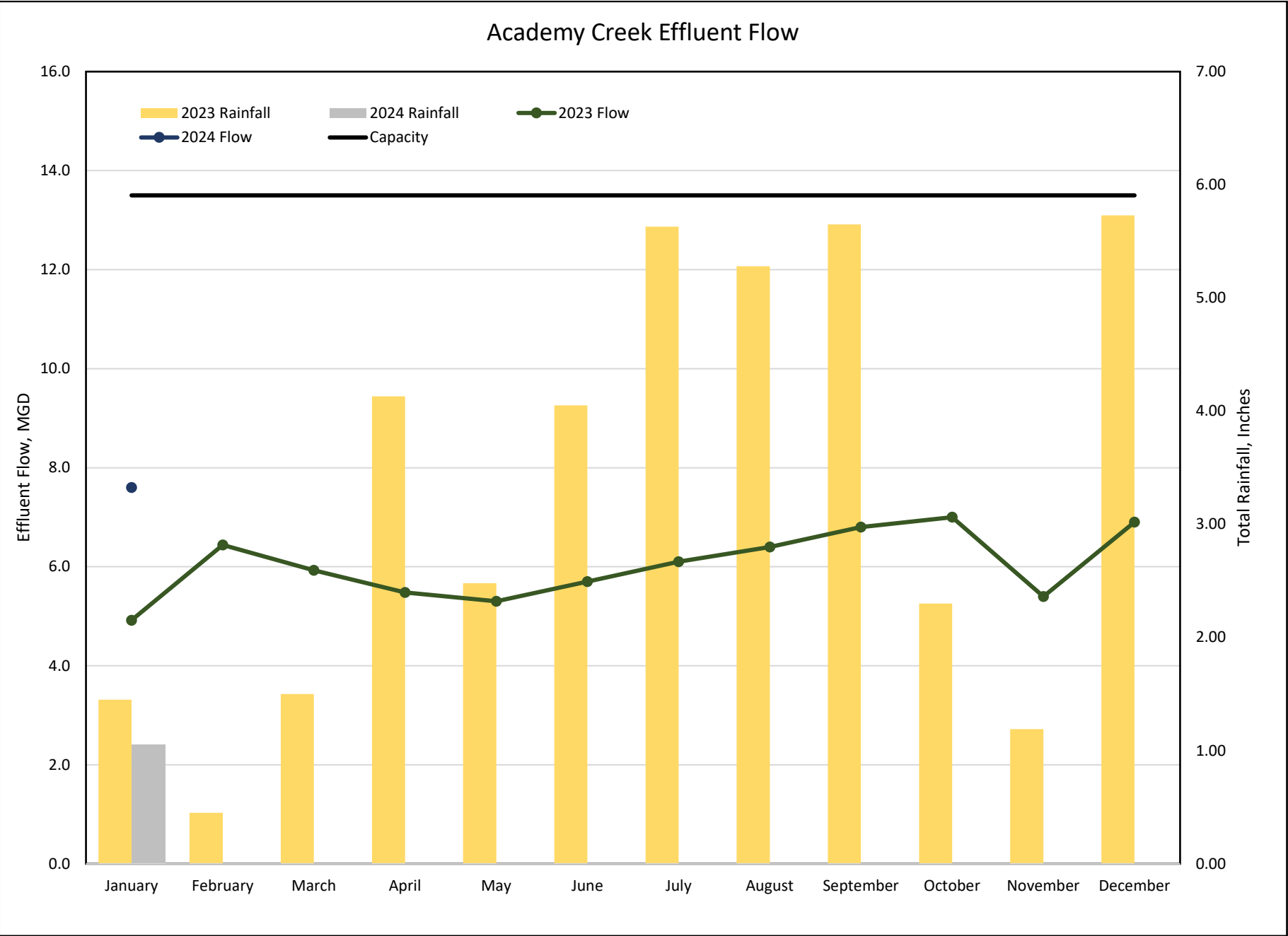


Month	Monthly (MG)			Daily (MGD)			Meter Status		
	Produced	Metered	% Unaccounted	Produced	Metered	Unaccounted	AMI Readings	Water Bills	% AMI
January 2023	252.237	156.945	37.78%	8.137	5.063	3.074	19,696	29,461	66.85%
February 2023	219.185	143.456	34.55%	7.828	5.123	2.705	20,611	29,504	69.86%
March 2023	251.908	170.656	32.25%	8.126	5.505	2.621	21,678	29,593	73.25%
April 2023	250.875	174.244	30.55%	8.363	5.808	2.554	21,972	29,630	74.15%
May 2023	264.100	198.708	24.76%	8.519	6.410	2.109	23,090	29,632	77.92%
June 2023	265.763	204.359	23.10%	8.859	6.812	2.047	24,479	29,792	82.17%
July 2023	291.325	226.469	22.26%	9.398	7.305	2.092	25,595	29,772	85.97%
August 2023	291.072	229.052	21.31%	9.389	7.389	2.001	27,232	29,818	91.33%
September 2023	261.536	219.244	16.17%	8.718	7.308	1.410	28,693	30,117	95.27%
October 2023	269.800	224.505	16.79%	8.703	7.242	1.461	29,353	30,036	97.73%
November 2023	247.266	207.469	16.09%	8.242	6.916	1.327	29,499	30,120	97.94%
December 2023	239.164	194.560	18.65%	7.715	6.276	1.439	29,225	30,142	96.96%
January 2024	232.640	192.814	17.12%	7.505	6.220	1.285	29,683	30,078	98.69%
February 2024									
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Average	256.682	195.575	23.81%	8.423	6.414	2.010	25,447	29,823	85.33%
Max	291.325	229.052	21.38%	9.398	7.389	3.074	29,683	30,142	98.48%
Min	219.185	143.456	34.55%	7.505	5.063	1.285	19,696	29,461	66.85%



ACADEMY CREEK WWTP	FLOW (MGD)				Influent Concentrations						Effluent Concentrations									Removal Efficiency		Rainfall		Water Meter Monthly	Sludge Tons to Landfill
	INF	PINOVA	EFF	% Cap.	pH s.u.	Alkalinity mg/L	BOD mg/L	TSS mg/L	NH3 mg/L	Phos mg/L	pH s.u.	Alkalinity mg/L	D.O. mg/L	BOD mg/L	TSS mg/L	NH3 mg/L	TRC mg/L	Entero. #/100 mL	Phos. mg/L	BOD %	TSS %	Maximum Inches	Total Inches	MGal	
January 2023	6.7	0.4	4.9	36%	7.4	185.2	199	182	20.0	12.0	6.4	82.0	6.9	4	3	3.8	0.08	6	7.4	97.99%	98.35%	0.85	1.45	7.155	62.02
February 2023	7.5	0.8	6.4	48%	7.4	178.2	207	191	19.9	9.6	6.4	93.8	6.7	4	3	4.2	0.02	9	5.9	98.00%	98.48%	0.40	0.45	5.873	72.53
March 2023	6.9	0.8	5.9	44%	7.5	191.2	231	236	21.2	16.1	6.1	108.0	5.0	7	4	5.7	0.06	9	9.4	96.97%	98.31%	0.80	1.50	6.816	42.96
April 2023	5.4	0.6	5.5	41%	7.2	222.8	220	192	28.4	25.7	6.5	129.9	6.5	7	3	9.4	0.05	12	9.9	96.82%	98.44%	2.80	4.13	9.181	62.49
May 2023	6.2	0.2	5.3	39%	7.4	205.2	232	229	22.5	17.1	6.3	80.3	6.5	5	3	3.5	0.04	14	8.1	97.84%	98.69%	0.50	2.48	10.135	84.82
June 2023	6.3	0.3	5.7	42%	7.2	197.4	200	173	24.3	10.3	6.3	80.8	7.1	4	2	0.8	0.02	9	4.3	98.00%	98.84%	1.37	4.05	6.969	38.37
July 2023	6.8	0.2	6.1	45%	7.2	176.0	151	148	17.3	8.0	6.3	67.8	7.1	5	2	0.3	0.03	18	3.6	96.69%	98.65%	1.75	5.63	9.609	62.62
August 2023	6.9	0.2	6.4	47%	7.1	187.8	123	128	19.5	11.1	6.3	61.7	6.6	3	3	0.7	0.04	28	3.9	97.56%	97.66%	2.25	5.28	9.676	74.41
September 2023	7.6	0.1	6.8	50%	7.5	166.4	126	119	16.6	6.1	6.5	93.5	6.9	4	4	5.1	0.04	13	4.7	96.83%	96.64%	3.60	5.65	9.993	42.59
October 2023	7.8	0.1	7.0	52%	7.4	172.0	130	142	17.3	6.9	6.5	89.4	6.8	3	3	4.7	0.04	13	4.7	97.69%	97.89%	2.25	2.30	10.819	44.46
November 2023	6.1	0.0	5.4	40%	7.4	227.6	168	171	20.4	16.3	6.6	101.6	7.1	3	2	8.0	0.08	68	9.7	98.21%	98.83%	0.66	1.19	10.012	20.73
December 2023	7.5	0.0	6.9	51%	7.3	134.4	157	175	17.1	11.7	6.6	91.6	7.5	4	5	7.8	0.03	18	6.1	97.45%	97.14%	3.85	5.73	6.212	26.51
January 2024	8.2	0.0	7.6	56%	7.5	259.2	144	228	14.8	14.8	6.7	122.8	7.6	4	3	11.1	0.04	11	7.5	97.22%	98.68%	0.40	1.05	5.156	80.02
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Average	6.9	0.3	6.2	46%	7.3	192.6	176	178	19.9	12.7	6.4	92.6	6.8	4.4	3.1	5.0	0.04	18	6.6	97.48%	98.20%	1.65	3.15	8.277	54.96
Max	8.2	0.8	7.6	56%	7.5	259.2	232	236	28.4	25.7	6.7	129.9	7.6	7.0	5.0	11.1	0.08	68	9.9	98.21%	98.84%	3.85	5.73	10.819	84.82
Min	5.4	0.0	4.9	36%	7.1	134.4	123	119	14.8	6.1	6.1	61.7	5.0	3.0	2.0	0.3	0.02	6	3.6	96.69%	96.64%	0.40	0.45	5.156	20.73
Permit Limits	N/A	N/A	13.5	N/A	N/A	N/A	N/A	N/A	N/A	N/A	6.0-9.0	N/A	>2.0	<20.0	<30.0	<1.0**	<0.14	<35	Report	>85.00%	>85.00%				

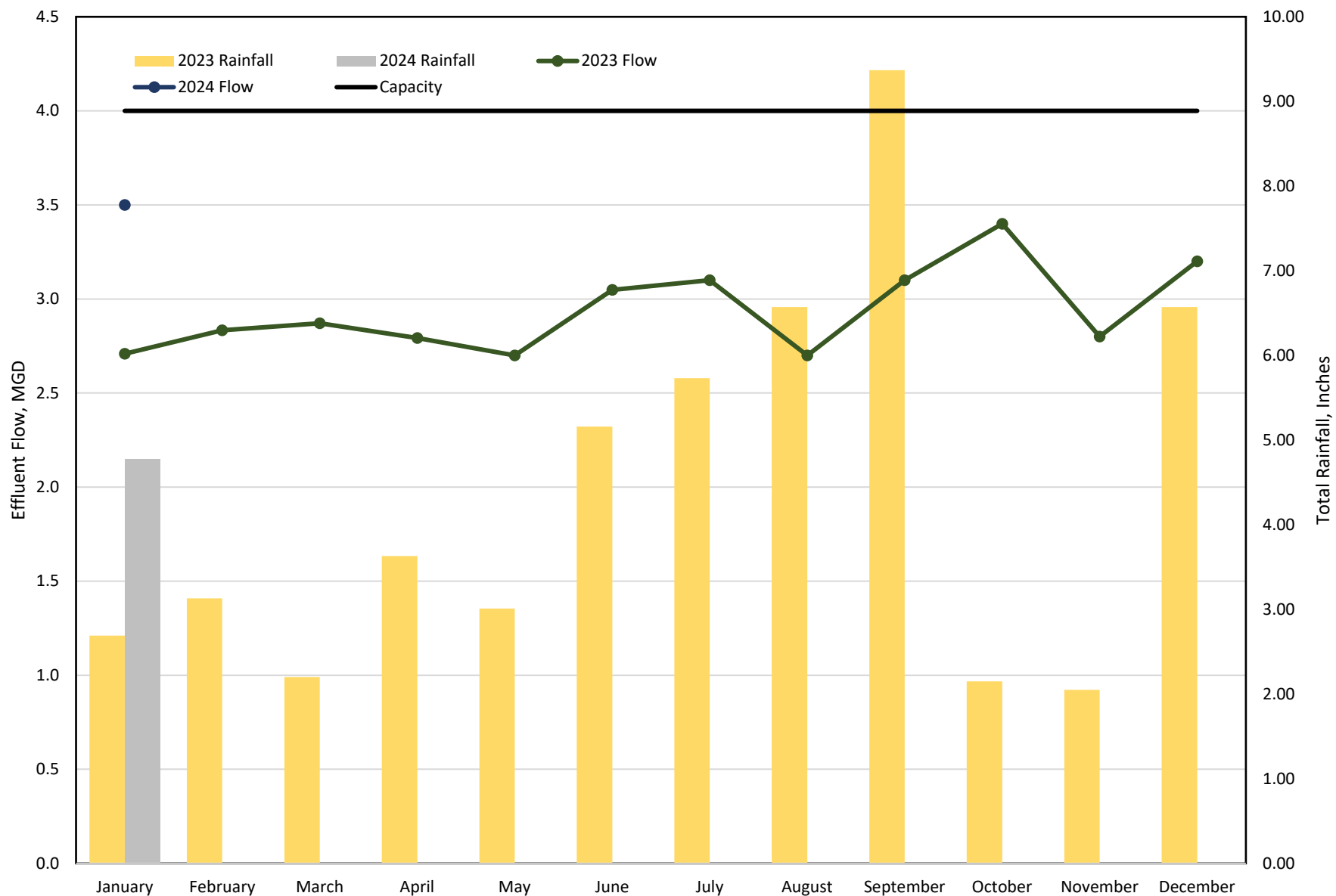
BOD - Biochemical Oxygen Demand  
TSS - Total Suspended Solids  
NH3 - Ammonia (Limit Changed June 2023)  
Phos - Phosphorus  
D.O. - Dissolved Oxygen  
TRC - Total Residual Chlorine  
Entero. - Enterococci Bacteria



DUNBAR CREEK WWTP	FLOW (MGD)			Influent Concentrations						Effluent Concentrations								Removal Efficiency		Rainfall		Water Meter Monthly	Sludge Tons to Landfill
	INF	EFF	% Cap.	pH s.u.	Alkalinity mg/L	BOD mg/L	TSS mg/L	NH3 mg/L	Phos mg/L	pH s.u.	Alkalinity mg/L	D.O. mg/L	BOD mg/L	TSS mg/L	NH3 mg/L	Entero. #/100 mL	Phos. mg/L	BOD %	TSS %	Maximum Inches	Total Inches	M/Gal	
January 2023	2.9	2.7	68%	6.9	230.0	186	194	21.5	4.20	7.5	58.7	8.5	3	3	0.5	13	1.9	98.39%	98.45%	1.09	2.69	2.154	41.91
February 2023	4.0	2.8	71%	6.9	228.0	354	602	25.0	4.35	6.9	56.7	8.0	4	7	0.9	6	1.7	98.89%	98.86%	2.42	3.13	1.730	22.10
March 2023	N/A	2.9	72%	6.9	252.0	182	205	14.2	3.50	6.9	60.8	7.6	3	4	0.6	8	1.8	98.35%	98.05%	0.59	2.20	2.042	22.44
April 2023	2.5	2.8	70%	7.0	251.8	189	195	24.1	4.00	7.0	58.7	7.0	4	3	0.3	10	1.8	97.88%	98.46%	2.43	3.63	2.120	25.74
May 2023	2.8	2.7	68%	7.0	244.0	174	209	24.6	4.01	6.7	64.6	7.5	3	3	0.9	4	2.0	98.28%	98.56%	0.58	3.01	2.478	31.79
June 2023	3.1	3.0	76%	6.9	257.0	187	203	30.3	4.05	6.9	68.3	7.7	3	4	1.9	14	2.1	98.40%	98.03%	1.25	5.16	2.532	29.84
July 2023	3.0	3.1	78%	6.9	245.0	178	160	30.4	2.30	6.6	81.2	7.6	4	4	1.6	6	2.3	97.75%	97.50%	1.23	5.73	2.781	32.23
August 2023	2.9	2.7	68%	7.0	223.4	161	161	23.0	3.55	7.0	57.9	7.2	3	3	0.8	9	2.8	98.14%	98.14%	2.23	6.57	3.207	28.10
September 2023	3.2	3.1	78%	7.0	164.0	152	166	18.7	3.55	7.2	40.0	7.9	6	9	0.4	25	3.6	96.05%	94.58%	6.14	9.37	0.253	5.25
October 2023	3.4	3.4	85%	6.9	204.0	137	157	16.1	4.20	7.1	55.5	8.2	3	4	0.4	18	2.7	97.81%	97.45%	1.87	2.15	0.433	9.41
November 2023	2.8	2.8	70%	6.9	238.2	166	173	24.6	3.85	7.1	57.6	8.0	3	5	0.6	3	1.8	98.19%	97.11%	0.77	2.05	0.996	22.69
December 2023	3.3	3.2	80%	6.9	223.0	155	143	21.7	2.75	7.5	70.8	7.9	4	6	0.8	11	2.0	97.42%	95.80%	4.47	6.57	0.686	23.67
January 2024	3.5	3.5	88%	6.8	202.0	131	132	20.0	3.80	6.9	71.1	8.3	6	10	0.5	60	2.9	95.42%	92.42%	2.38	4.77	1.352	19.06
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Average	3.1	3.0	75%	6.9	227.9	180.9	207.7	22.6	3.70	7.0	61.7	7.8	4	5	0.8	14	2.3	97.77%	97.19%	2.1	4.4	1.751	24.17
Max	4.0	3.5	88%	7.0	257.0	353.9	602.1	30.4	4.35	7.5	81.2	8.5	6	10	1.9	60	3.6	98.89%	98.86%	6.1	9.4	3.207	41.91
Min	2.5	2.7	68%	6.8	164.0	131.0	132.0	14.2	2.30	6.6	40.0	7.0	3	3	0.3	3	1.7	95.42%	92.42%	0.6	2.1	0.253	5.25
Permit Limits	N/A	4.0	N/A	N/A	N/A	N/A	N/A	N/A	N/A	6.0-9.0	N/A	>6.0	<5	<10	<2.0	<35	Report	85.00%	85.00%				

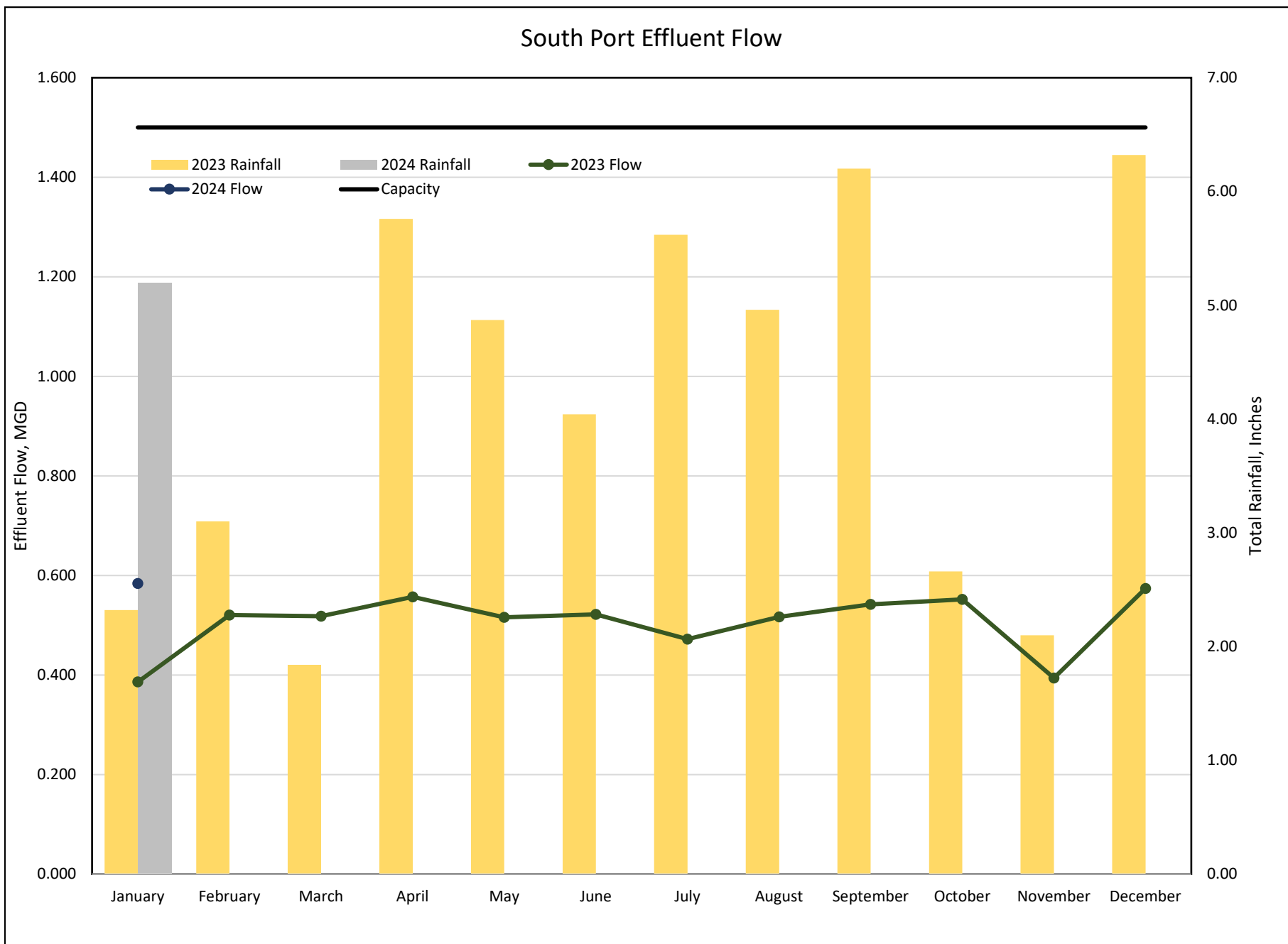
BOD - Biochemical Oxygen Demand  
TSS - Total Suspended Solids  
NH3 - Ammonia  
Phos - Phosphorus  
D.O. - Dissolved Oxygen  
TRC - Total Residual Chlorine  
Entero. - Enterococci Bacteria

## Dunbar Creek Effluent Flow



SOUTH PORT WWTP	FLOW (MGD)			Influent Concentrations						Effluent Concentrations								Removal Efficiency		Rainfall		Water Meter Monthly	Sludge Tons to Landfill
	INF	EFF	% Cap.	pH s.u.	Alkalinity mg/L	BOD mg/L	TSS mg/L	NH3 mg/L	Phos mg/L	pH s.u.	Alkalinity mg/L	D.O. mg/L	BOD mg/L	TSS mg/L	NH3 mg/L	Fecal #/100 mL	Phos. mg/L	BOD %	TSS %	Maximum Inches	Total Inches	M/Gal	
January 2023	0.388	0.386	26%	7.1	242.0	169	194	25.3	3.90	7.4	104.9	8.6	6	3	4.0	2	2.3	96.45%	98.45%	1.07	2.32	0.019	3.63
February 2023	0.466	0.520	35%	7.2	234.0	180	206	27.8	4.15	7.5	58.1	8.3	4	2	0.5	1	2.6	97.55%	99.15%	1.50	3.10	0.012	4.98
March 2023	0.435	0.518	35%	7.2	225.0	182	212	13.8	5.30	7.6	50.9	7.1	4	2	3.6	2	3.1	97.80%	99.06%	0.68	1.84	0.013	3.33
April 2023	0.499	0.557	37%	7.3	229.8	160	192	23.9	5.40	7.4	51.1	7.7	4	3	0.4	1	3.4	97.50%	98.44%	3.38	5.76	0.008	1.87
May 2023	0.422	0.516	34%	7.2	222.4	160	199	28.9	3.42	7.7	91.5	6.1	5	3	3.6	2	2.5	96.88%	98.49%	1.56	4.87	0.029	4.62
June 2023	0.416	0.522	35%	7.2	219.0	162	181	30.8	3.70	7.8	75.8	8.4	6	4	5.7	1	2.7	96.30%	97.79%	0.94	4.04	0.024	6.09
July 2023	0.355	0.472	31%	7.0	204.0	157	150	31.3	3.90	7.5	45.2	6.9	4	4	0.2	2	3.4	97.45%	97.33%	0.60	5.62	0.004	0.00
August 2023	0.432	0.517	34%	7.1	194.4	149	138	20.9	4.20	7.7	42.7	6.2	4	3	0.4	1	2.6	97.32%	97.83%	1.54	4.96	0.004	4.04
September 2023	0.416	0.542	36%	7.3	166.0	155	175	22.9	4.20	7.8	41.0	6.9	5	3	0.6	1	2.3	96.77%	98.29%	2.67	6.20	0.001	1.92
October 2023	0.442	0.552	37%	7.3	221.0	159	195	22.7	4.10	8.0	66.4	6.9	4	3	0.4	1	1.6	97.48%	98.46%	1.85	2.66	0.007	0.00
November 2023	0.396	0.394	26%	7.2	223.0	206	286	29.9	5.40	7.5	58.3	7.3	4	4	0.8	1	1.9	98.06%	98.60%	1.00	2.10	0.014	2.99
December 2023	0.455	0.574	38%	7.2	221.0	187	250	28.8	1.60	7.6	49.7	8.7	5	6	0.7	2	2.1	97.33%	97.60%	1.90	6.32	0.006	3.73
January 2024	0.348	0.584	39%	7.3	207.4	180	212	29.1	3.70	7.9	52.4	7.9	4	5	0.5	1	2.1	97.56%	97.64%	2.60	5.20	0.027	5.65
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Average	0.421	0.512	34%	7.2	216.1	169.7	199.2	25.9	4.07	7.6	60.6	7.5	5	3	1.7	1	2.5	97.26%	98.24%	1.6	4.2	0.013	3.30
Max	0.499	0.584	39%	7.3	242.0	206.0	286.0	31.3	5.40	8.0	104.9	8.7	6	6	5.7	2	3.4	98.06%	99.15%	3.4	6.3	0.029	6.09
Min	0.348	0.386	26%	7.0	166.0	149.0	138.0	13.8	1.60	7.4	41.0	6.1	4	2	0.2	1	1.6	96.30%	97.33%	0.6	1.8	0.001	0.00
Permit Limits	N/A	1.500	N/A	N/A	N/A	N/A	N/A	N/A	N/A	6.0-9.0	N/A	<5.0	<30	<30	<13.0	<200	Report	85.00%	85.00%				

BOD - Biochemical Oxygen Demand  
TSS - Total Suspended Solids  
NH3 - Ammonia  
Phos - Phosphorus  
D.O. - Dissolved Oxygen  
TRC - Total Residual Chlorine  
Fecal - Fecal Coliform Bacteria





## **Facility Construction Project Photos – February 2024**

**#2016 ARCO AREA WATER AND SEWER EXTENSION (51% - APRIL 2024)**





## **Facility Construction Project Photos – February 2024**



1. UWS Crew members working on sewer manhole installation at the intersection of 7<sup>th</sup> Street and Burroughs Avenue.
2. The second UWS Crewmember team is working on sewer installation at the intersection of 6<sup>th</sup> Street and Treville Avenue.
3. Joe Humphrey (JWSC SPMD I&I Technician) with Engineering Spray Solution team members, inspecting the new 8-inch sewer connection and existing conditions of SSMH#4WTP1900 at the intersection of Fifth St and Treville Ave as a potential location for an MH Repair and Lining Demo Pilot Study.
4. Justin Lewis (WDD Crew member) showcases a 1-inch galvanized line removed at 3600 Treville Avenue.



## **Facility Construction Project Photos – February 2024**

**#2021 GALVANIZED REPLACEMENTS - SYSTEM-WIDE (SELF-PERFORMED) (IN PROGRESS-FISCAL YEAR)**



1. Alvin Hall (WDD Supervisor) showcases a 1-inch galvanized line and fittings removed from East 3rd Street in the City of Brunswick District. A utility boring contractor hit the water line and twisted the service connection, causing it to break loose.
2. A newly shipped HDPE pipe stored at the WDD South Harrington office is awaiting the HDD contractor to schedule installation for Menendez Avenue & Wesley Oak Circle in the Saint Simons Island District.



## Facility Construction Project Photos – February 2024

#2103 NORTH MAINLAND WATER LOOPS (65%-MARCH 2024)





## **Facility Construction Project Photos – February 2024**



1. Vallencourt Crew members working on the final waterline and gate valve installation at 2077 Old Jesup Road – final water line connection is approximate less than 300 LF away.
2. Old Jesup Road HDD waterline crossing was completed with permanent sample stations, isolation valves, and fire hydrants on each side of the Burnette Creek waterway.
3. Perry Lane Rd/Millennium Blvd HDD waterline crossing completed and pending final site restoration.
4. Bailey Road's final site restoration was completed, and the roadway opened up for regular traffic.
5. BJ Mendez (VCC Superintendent) & Crew members checking the paving grading using a digital level.
6. VCC Subcontractor – Kudzue 3 Trucking and Paving is working on placing the final asphalt for Hautala Drive.



## Facility Construction Project Photos – February 2024

#2105 PUMPSTATION 4044 REHAB (1%-OCTOBER 2024)



1. AGL (Subcontractor-Southeast Connection, LLC) completed the tie-in connection for the 2-inch gas line relocation on the west side of the project site.
2. A SEC crew member is working on the final tie-in connection for the 2-inch gas line relocation on the east side of the project site.
3. Westbound view of the current activities on the project site. The contractor is working on submittals and securing materials for the project.



## Facility Construction Project Photos – February 2024

#2106 DUNBAR CREEK WPCF REHAB (IN PROGRESS-TBD)





## **Facility Construction Project Photos – February 2024**

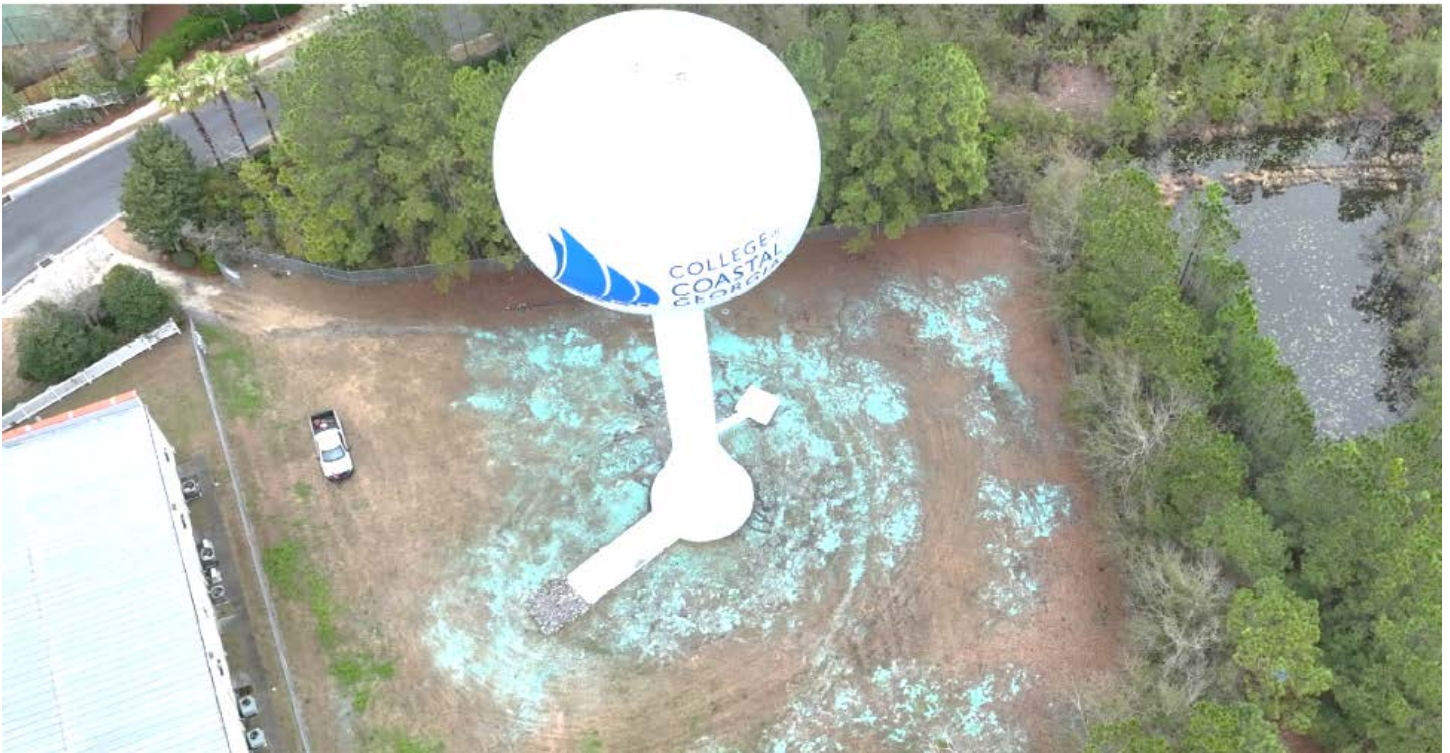
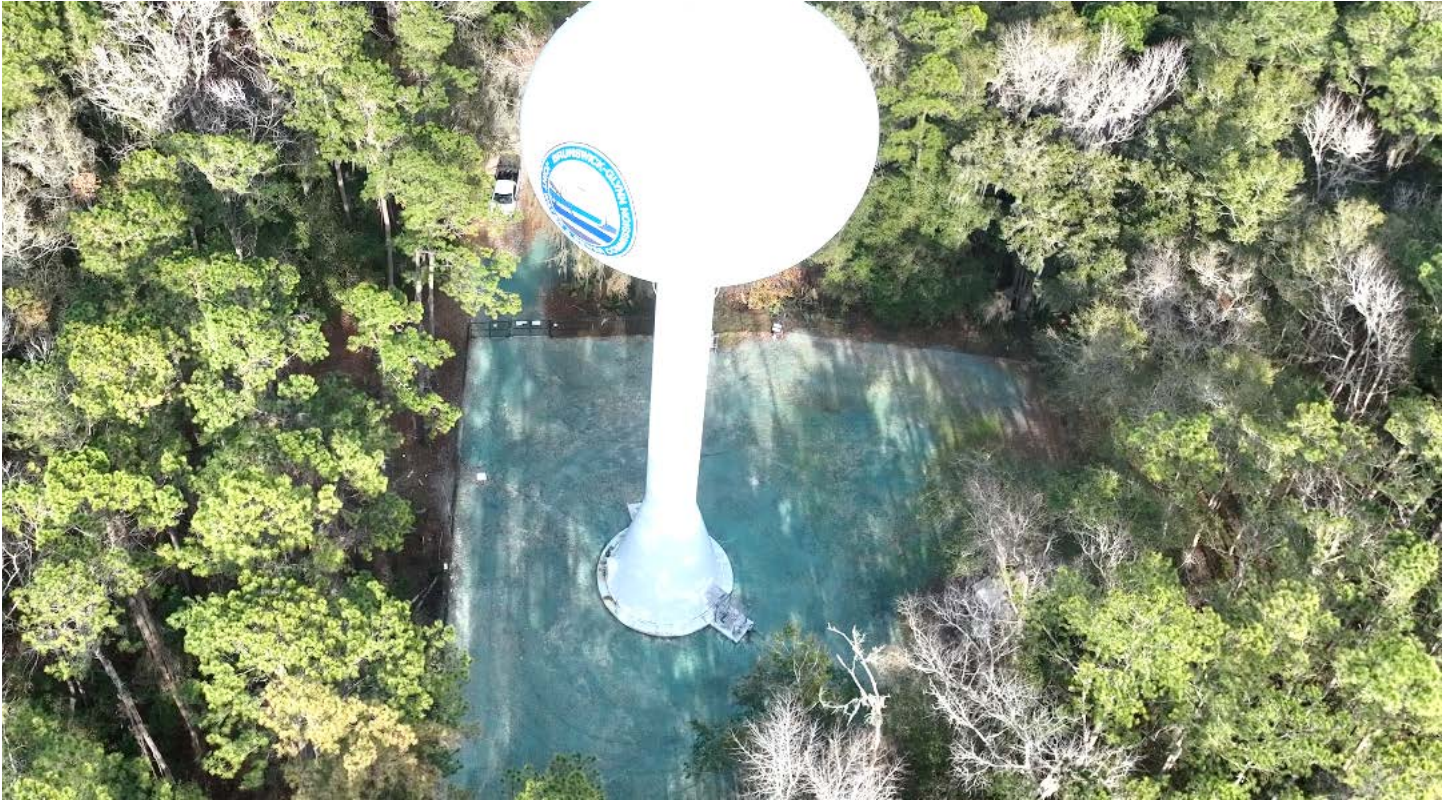


1. Drone view of the ongoing construction activities – the old UV Channel and disk filter systems have been removed and lines terminated. New Post Aeration basin punchlist inspection is scheduled.
2. Drone view of ground excavation and dewatering activities for the third clarifier location.
3. As expected, The Trojan UVSigna water treatment system works successfully by delivering consistent performance at the new post-aeration basin structure.
4. The Aqua-Aerobic System cloth media filtration system is in service and working effectively.
5. Aeration Basin #1 with the center mixer installed and online with no issues to report.



## **Facility Construction Project Photos – February 2024**

**#2203 EST REHAB AT GLYNN PLACE MALL AND OGLETHORPE SITES (96% - FEBRUARY 2024)**



1. Oglethorpe EST – Final hydro-mulch site restoration completed.
2. Mall EST – Final hydro-mulch site restoration completed.
3. The project is pending final CTS inspection, and the Contractor is to submit final closeout documents.



									BUDGET VS. EXPENDITURES													
									BOC APPROVED FUNDING & SOURCE				COMMITTED			EXPENDITURES				BALANCE	STATUS	
Proj #	Project Name	Programmed Completion Date	Current/Actual Completion Date	Phase	Project Director/ Project Manager	Concept Design 30%	Detail Design 60-90-100%	Construction	R&R Reserve	CIF Reserve	SPLOST/ Other	Total Original Approved Budget	Purchase Orders Issued	BOC Approved Change Orders	Total PO+CO	Expenditures Paid to PO's	Remaining Encumbrances	Expenditures Misc.	Total Expenditures	Original Approved Budget Remaining (Original Approved Budget - Total Expenditures)	% Funds Committed	Status
801	FEMA Hazard Mitigation-Academy Creek	TBD	TBD	Const.	Burroughs	Chatham Engineering	Chatham Engineering	Y-Delta	\$3,188,000	\$0	\$0	\$3,188,000	\$2,296,314	\$0	\$2,296,314	\$1,363,632	\$935,982	\$164,562	\$2,464,176	\$723,824	77.30%	All 10 ATS installed and awaiting SCADA wiring terminations for startup. Remaining generators are delayed from Cummins. Electrical engineer finalizing bid package for generator installation.
906	Water Pollution Rehab-Academy & Dunbar	TBD	Jun 2023	Const.	Burroughs	JWSC	EMC	Ruby-Collins	\$0	\$0	\$6,853,990	\$6,853,990	\$11,680,433	\$578,172	\$12,258,605	\$1,314,837	\$36,830	\$50,107	\$1,401,774	\$5,452,216	20.45%	Sludge offloading improvements completed. Equipment started up on 01/10/2024. Waiting on materials for filter hydraulic improvements.
2001	PS4105-4107 Basin Expansion/FM Reroute & 4036 CIPP*	Jul 2022	TBD	Master	Kline	JWSC	Roberts Civil Engineering/ JWSC	(multiple)	\$2,250,000	\$485,000	\$0	\$2,735,000	\$1,013,347	\$9,000	\$1,022,347	\$1,022,347	\$0	\$11,600	\$1,033,947	\$1,701,053	37.80%	Design Funds appropriated and divided into two sub-projects and Project 4036 CIPP is construction completed.
	PS4105-4107 Basin Expansion/FM Reroute	Jul 2022	TBD	Design	Kline/Patel	JWSC	Robers Civil Engineering	TBD	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0		Project Advertised 01/23/2024. Mandatory Pre-Bid Meeting held 02/08/2024. Anticipated Bid Open 02/27/2024. Staff preparing responses for Addendum 1.
2009	Sea Palms East Water Line Rehab	TBD	TBD	On Hold	Simmons	JWSC	JWSC	JWSC	\$0	\$0	\$178,595	\$178,595	\$36,548	\$0	\$36,548	\$36,548	\$0	\$1,156	\$37,704	\$140,891	21.11%	Requesting quotes from contractors for installation of new crossing at Palm Drive. Working with private contractor to facilitate installation of new crossing near North Windward Drive.
2015	Bay Street Water Improvements	Jun 2022	TBD	Const.	Kline	JWSC	Tidewater Engr.	West Const.	\$400,000	\$0	\$0	\$400,000	\$36,267	\$0	\$36,267	\$36,267		\$542	\$36,809	\$363,191	9.20%	Next section of improvements in planning.
2016	Arco Area Water and Sewer Extensions	Jan 2023	Apr 2024	Complete	Patel	JWSC	Thomas & Hutton	N/A	\$0	\$300,000	\$0	\$300,000	\$300,000	\$0	\$300,000	\$300,281	\$0	\$ 843.00	\$301,124	-\$1,123.82	100.37%	Engineering Complete. Tied to Proj 2101.
2017	PS 2023 Rehab	TBD	TBD	On Hold	Young	JWSC	TBD	TBD	\$275,000	\$0	\$0	\$275,000	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$275,000.00	0.00%	Project on hold pending additional survey investigation.
2020	Community Rd Sewer Expansion	Jan 2023	Jul 2024	Design	Patel	Hussey Gay Bell	JWSC	TBD	\$0	\$250,000	\$0	\$250,000	\$280,916	\$76,650	\$357,566	\$265,921	\$91,645	\$0	\$357,566	-\$107,566.00	143.03%	GDOT permitting approved. Easement acquisition underway. EOR finalizing bid-ready package including an alternate route. 90% EOPC \$2.6M.
2021	Annual Galvanized Replacements Program	Jul 2023	Jul 2024	Const.	Simmons	JWSC	JWSC	JWSC	\$750,000	\$0	\$0	\$750,000	\$427,682	\$0	\$427,682	\$396,356	\$130,642	\$1,450	\$525,548	\$224,452	70.07%	HDD contractor remobilization pending scheduling with Operations.
2023	SSI PRV	TBD	TBD	On Hold	Kline	JWSC	TBD	TBD	\$150,000	\$0	\$0	\$150,000	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$150,000	0.00%	Project on hold pending Glynn County Sea Island-Federica Road Traffic Circle Design.
2025	NM Water PRV	TBD	TBD	On Hold	Kline	JWSC	TBD	TBD	\$100,000	\$0	\$0	\$100,000	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$100,000	0.00%	Project is on hold pending system evaluation after the NM Water Loops project is completed.
2028	Meter Replacements - Years 1 and 2	Jun 2022	Dec 2023	Const.	Roberts/Head	JWSC	JWSC	Delta Muncipal Supply/Neptun e Technology Group	\$0	\$0	\$18,200,000	\$18,200,000	\$12,503,513	\$6,743,583	\$19,247,096	\$15,839,394	\$2,035,746	\$20,600	\$17,895,740	\$304,260	98.33%	Contractor replacements are complete. There are a few dozen meters that JWSC internal staff are replacing that have not been located.
2101	Arco Water & Sewer Expansion	Oct 2022	Feb 2023	Const.	Kline/Patel	JWSC	Thomas & Hutton	UWS Inc	\$0	\$0	\$3,500,000	\$3,500,000	\$3,744,090	\$209,174	\$3,953,264	\$1,740,756	\$2,212,507	\$0	\$3,953,263	-\$453,263	112.95%	Sewer installation along Seventh St and Treville St ongoing. Contract revised to Lump Sum approved. Paving in progress along Knight St. Additional crews to faciliate installation of water and sewer in multiple phases.
2102	Canal Road Water Production Facility	Aug 2023	Dec 2024	Design	Kline/Vo	Thomas & Hutton	Thomas & Hutton	Reeves Young LLC	\$1,850,000	\$0	\$0	\$1,850,000	\$227,800	\$0	\$227,800	\$122,480	\$105,320	\$0	\$227,800	\$1,622,200	12.31%	BOC provided approval on 10/19/2023. Routing contract for final signatures and scheduling Precon and NTP.
2103	NM Water Loops	Dec 2022	Sep 2024	Const.	Kline/Vo	Four Waters Engineering, Inc.	Four Waters Engineering, Inc.	Vallencourt Counstruction	\$1,250,000	\$0	\$0	\$1,250,000	\$3,210,458	\$0	\$3,210,458	\$1,736,183	\$1,474,275	\$0	\$3,210,458	-\$1,960,458	256.84%	The contractor is ahead of schedule and anticipates completing the work by the end of March 2024. Construction activities are ongoing along Old Jesup Road, with the final WL tie-in scheduled for 02/13/2024. Hautatala's final paving is ongoing. The Substantial and Final inspection pending contractor schedule.
2104	PS 4002 Rehab	TBD	Apr 2024	Const.	Kline	Kimley-Horn	Kimley-Horn	PopCo Inc.	\$650,000	\$0	\$0	\$650,000	\$1,016,886	\$0	\$1,016,886	\$18,280	\$998,606	\$43,314	\$1,060,200	-\$410,200	163.11%	NTP 02/01/2024. Contractor working on submittal and securing materials.
2105	PS 4044 Rehab	Nov 2022	Sep 2024	Const.	Kline/Vo	LEA	LEA	PopCo Inc.	\$550,000	\$0	\$0	\$550,000	\$2,060,007	\$0	\$2,060,007	\$53,450	\$2,006,557	\$0	\$2,060,007	-\$1,510,007	374.55%	Ga Power placed a new power pole on 01/25/2024. AGL gas line relocation was completed on 02/08/2024. Contractor working on submittals and securing materials. Electrical and SCADA submittals are still pending.
2106	Dunbar Creek Engineering	May 2022	May 2022	Const.	Burroughs	BRW/HGB	HGB	BRW	\$4,200,000	\$0	\$5,200,000	\$9,400,000	\$5,724,595	\$4,128,961	\$9,853,556	\$5,405,446	\$4,448,111	\$900	\$9,854,457	-\$454,457	104.83%	Ongoing work to demo old UV and filter structure. Punchlist inspection of new UV and filters scheduled 02/13/2024. Awaiting wetlands permitting for roadway construction. Clarifier installation ongoing. Final contract completion scheduled for mid-July.
2108	PS 4001 Rehab	TBD	Apr 2024	Const.	Kline	Kimley-Horn	Kimley-Horn	PopCo Inc.	\$400,000	\$0	\$0	\$400,000	\$407,774	\$0	\$407,774	\$14,927	\$392,847	\$21,657	\$429,431	-\$29,431	107.36%	NTP 02/01/2024. Contractor working on submittal and securing materials.
2109	Hwy 17 North Pump Station	TBD	TBD	On Hold	Kline/Patel	JWSC	JWSC	TBD	\$400,000	\$0	\$0	\$400,000	\$34,927	\$0	\$34,927	\$31,805	\$3,122	\$0	\$34,927	\$365,073	8.73%	Project Advertised 01/09/2024. Mandatory Pre-Bid Meeting held 01/25/2024. Anticipated Bid Open 02/21/2024.
2110	PS 3101 Rehab	TBD	Apr 2024	Const.	Kline	Kimley-Horn	Kimley-Horn	PopCo Inc.	\$375,000	\$0	\$0	\$375,000	\$404,629	\$0	\$404,629	\$14,928	\$389,702	\$21,656	\$426,286	-\$51,286	113.68%	NTP 02/01/2024. Contractor working on submittal and securing materials.
2201	Academy Creek RAS Replacements	TBD	TBD	Design	Burroughs	JWSC	JWSC	TBD	\$1,500,000	\$0	\$0	\$1,500,000	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$1,500,000	0.00%	Bids received. Apparent low bidder is Reeves Young with recommendation to Commission 02/14/2024 and 02/15/2024.
2202	Water Production SCADA	TBD	TBD	Design	Burroughs	JWSC	JWSC	TBD	\$750,000	\$0	\$0	\$750,000	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$750,000	0.00%	WPD and SCADA finalizing the scope of work for Engineering RFP.
2203	EST Rehab at Glynn Place Mall and Oglethorpe Sites	June 2023	Feb 2024	Const.	Kline/Vo	JWSC	JWSC	TankPro	\$1,000,000	\$0	\$0	\$1,000,000	\$1,441,022	\$0	\$1,441,022	\$1,236,872	\$204,150	\$0	\$1,441,022	-\$441,022	144.10%	AT&T meeting at Oglethorpe was held and is scheduled to reconnect by the end of the month on 02/07/2024. Contractor provided notification that both tanks are disinfected and ready for operations 02/08/2024. CTS final inspection pending scheduling.
2204	PS 2056 Pumps and FM Improvements	TBD	TBD	Design	Kline/Vo	JWSC	JWSC	TBD	\$700,000	\$0	\$0	\$700,000	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$700,000	0.00%	Forcemain Improvements Engineering RFP is pending scheduling for advertisement.
2205	PS 2033/2034 Rehab	TBD	TBD	Design	Kline/Vo	JWSC	JWSC	TBD	\$1,400,000	\$0	\$0	\$1,400,000	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$1,400,000	0.00%	Design package pending final electrical drawings for construction advertisement.
2206	Ocean Boulevard WM Improvements	TBD	TBD	On Hold	Burroughs	JWSC	JWSC	TBD	\$1,750,000	\$0	\$0	\$1,750,000	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$1,750,000	0.00%	Project on hold. The package will require an updated SUE/survey, drawings, reports, and technical specs to be submitted for permit approval prior to construction project advertisement.
2207	Wesley Oaks Circle WM Improvements	TBD	TBD	Const.	Simmons	JWSC	JWSC	D&C Directional	\$450,000	\$0	\$0	\$450,000	\$183,297	\$0	\$183,297	\$82,857	\$100,440	\$0	\$183,297	\$266,703	40.73%	Contractor to begin installation of new water lines before end of January. Public notice provided of upcoming work.
2208	JWSC Facilities Improvements	TBD	TBD	Const.	Burroughs	JWSC	JWSC	Various	\$450,000	\$0	\$0	\$450,000	\$103,053	\$0	\$103,053	\$103,452	\$0	\$2,924	\$106,376	\$343,624	23.64%	Working with the City of Brunswick and Glynn County on storm improvements to the HQ parking lot.

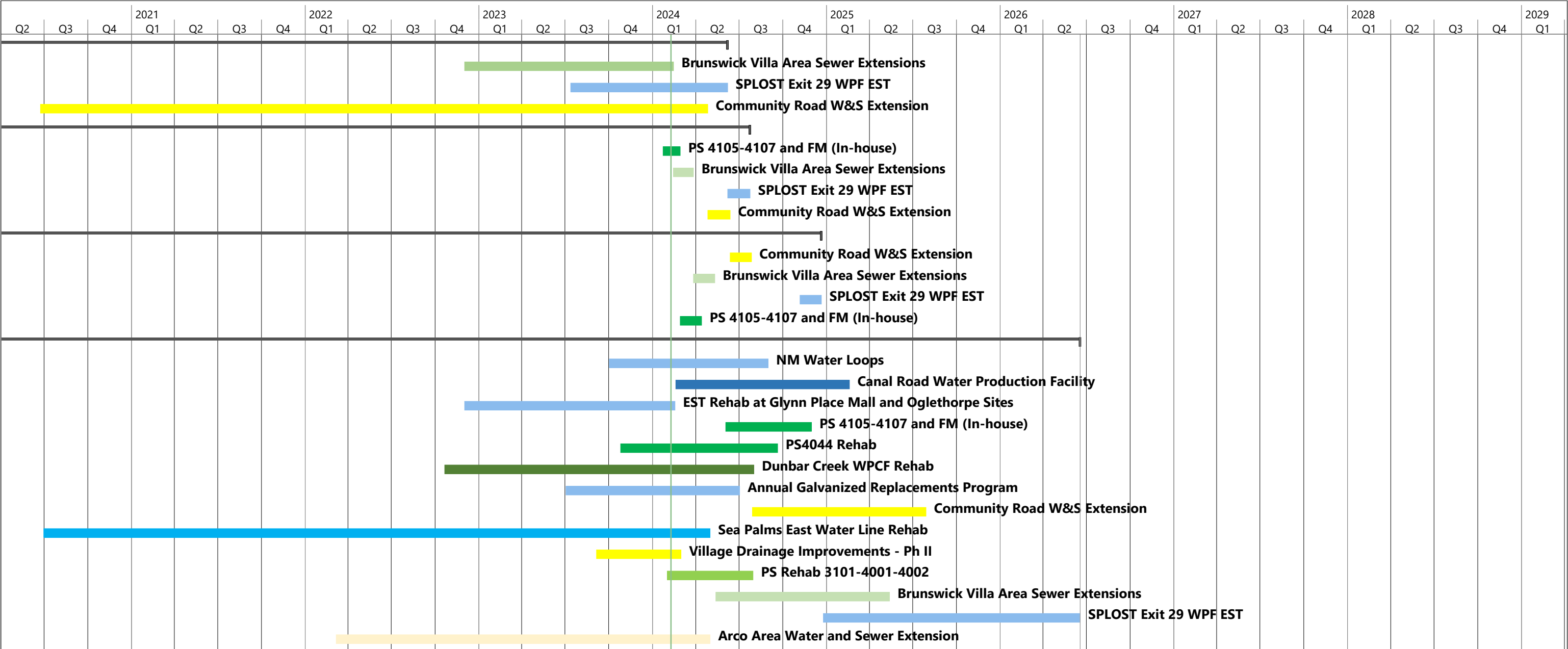
									BUDGET VS. EXPENDITURES														
									BOC APPROVED FUNDING & SOURCE				COMMITTED			EXPENDITURES				BALANCE	% Funds Committed	STATUS	
Proj #	Project Name	Programmed Completion Date	Current/Actual Completion Date	Phase	Project Director/ Project Manager	Concept Design 30%	Detail Design 60-90-100%	Construction	R&R Reserve	CIF Reserve	SPLOST/ Other	Total Original Approved Budget	Purchase Orders Issued	BOC Approved Change Orders	Total PO+CO	Expenditures Paid to PO's	Remaining Encumbrances	Expenditures Misc.	Total Expenditures	Original Approved Budget Remaining (Original Approved Budget - Total Expenditures)		Status	
2209	Brunswick Villa Area Sewer Extensions	TBD	TBD	Design	Patel	Kimley-Horn	Kimley-Horn	TBD	\$0	\$2,750,000	\$0	\$2,750,000	\$551,180	\$0	\$551,180	\$316,602	\$234,578	\$0	\$551,180	\$2,198,820	20.04%	Advertising 02/14/2024. Mandatory Pre-bid 03/04/2024. Anticipated Bid Open 03/26/2024.	
2210	PS 3114 Force Main Reroute	TBD	TBD	Design	Kline	JWSC	TBD	TBD	\$0	\$400,000	\$0	\$400,000	\$9,375	\$0	\$9,375	\$8,650	\$725	\$0	\$9,375	\$390,625	2.34%	Engineering Survey received. In-house preliminary FM design layout in progress. Project coordination required with Exit 29 WPF and EST.	
2211	NM WPCF Land Acquisition and Engineering	TBD	TBD	Design	Burroughs	JWSC	TBD	TBD	\$3,750,000	\$0	\$0	\$3,750,000	\$10,854	\$0	\$10,854	\$10,854	\$0	\$2,275	\$13,129	\$3,736,871	0.35%	Antidegradation analysis proposal to Commission for consideration on 02/14/2024 and 02/15/2024. Working on property/easement acquisition for discharge routing.	
2212	Village Drainage Improvements - Ph II	TBD	TBD	Design	Patel	JWSC	Glynn County	Allen Owens Construction	\$250,000	\$0	\$0	\$250,000	\$250,000	\$0	\$250,000	\$0	\$217,325	\$0	\$217,325	\$32,675	86.93%	Glynn Co. project: contract awarded to Allen Owens Construction. Watermain installation complete. Sewer installation pending.	
2213	Exit 42 Elevated Storage Tank	TBD	TBD	Design	Kline/Patel	JWSC	JWSC	TBD	\$0	\$0	\$3,000,000	\$3,000,000	\$16,663	\$0	\$16,663	\$16,663	\$0	\$0	\$16,663	\$2,983,337	0.56%	In-house Engineering plans in progress. GA Power +/- 1.5 years away from extending power to the site. Staff incorporating solar power for electrical sources. Finalizing EPD submission packet. Additional entrance road improvements are incorporated into the plan and bid form. FAA determination letter received. Electrical plans were forwarded to Chatham Engineering for review/approval.	
2214	Academy Creek UV Installation	TBD	TBD	Design	Burroughts	BRW/HGB	HGB	BRW	\$1,900,000	\$0	\$0	\$1,900,000	\$644,000	\$0	\$644,000	\$874,000	\$46,000	\$0	\$920,000	\$980,000	48.42%	Bids received. Apparent low bidder is Reeves Young with recommendation to Commission 02/14/2024 and 02/15/2024.	
2216S	SPLOST Exit 29 WPF and EST	TBD	TBD	Design	Kline/Vo	Thomas & Hutton	Thomas & Hutton	TBD	\$0	\$0	\$6,000,000	\$6,000,000	\$230,480	\$0	\$230,480	\$42,322	\$188,158	\$0	\$230,480	\$5,769,520	3.84%	60% Design package was submitted for JWSC review on 02/08/2024. The package is missing technical specs and reports. 60% EOPC is \$14.32M.	
2401R	PS 2001/2002 Rehab	TBD	TBD	On Hold	Kline	TBD	TBD	TBD	\$1,350,000	\$0	\$0	\$1,350,000	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$1,350,000	0.00%	Not started	
2402R	Harrington, Airport, and Mallery WPF Improvements	TBD	TBD	On Hold	Burroughs	TBD	TBD	TBD	\$1,850,000	\$0	\$0	\$1,850,000	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$1,850,000	0.00%	Not started	
2403C	PS 3103 Expansion & FM	TBD	TBD	On Hold	Kline	TBD	TBD	TBD	\$0	\$3,500,000	\$0	\$3,500,000	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$3,500,000	0.00%	Not started	
2404CIF	PS 4119 Expansion & FM	TBD	TBD	On Hold	Kline	TBD	TBD	TBD	\$0	\$6,300,000	\$0	\$6,300,000	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$6,300,000	0.00%	Not started	
2405S	SPLOST W&S Service Extensions	TBD	TBD	Design	Kline/Vo	TBD	TBD	TBD	\$0	\$0	\$7,000,000	\$7,000,000	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$7,000,000	0.00%	Working on design-build RFP for advertisement.	
									\$33,888,000	\$13,985,000	\$49,932,585	\$97,805,585	\$48,846,110	\$11,745,540	\$60,591,650	\$32,406,110	\$16,253,268	\$340,686	\$49,000,064	\$48,805,521			

Phase	Amount
Master	1
Design	15
Const.	15
On Hold	10
Complete	2
Total Projects	43

Project Director/ Project Manager	Total PO+CO	Total Expenditures
Burroughs	\$24,522,382	\$13,839,912
Kline	\$2,897,278	\$2,996,048
Kline/Patel	\$4,004,854	\$4,004,853
Kline/Vo	\$7,169,767	\$7,169,767
Patel	\$1,458,746	\$1,427,195
Roberts/Head	\$19,247,096	\$17,895,740
Simmons	\$647,527	\$746,549
Young	\$0	\$0
Total	\$59,947,650	\$48,080,064

PM	Burroughs	Roberts	Kline	Vo	Patel	Simmons	Head	Young
Total PO+CO	\$24,522,382	\$19,247,096	\$14,071,899	\$7,169,767	\$5,463,600	\$647,527	\$19,247,096	\$0
Total Expenditures	\$13,839,912	\$17,895,740	\$14,170,668	\$7,169,767	\$5,432,048	\$746,549	\$17,895,740	\$0
Percentage Spent	56.44%	92.98%	100.70%	100.00%	99.42%	115.29%	92.98%	#DIV/0!
Total Projects (includes Master/Sub-projects)	9	1	24	9	8	3	1	1





Project: Capital Projects Gantt C  
Date: Fri 2/9/24

Task		Inactive Task		Manual Summary Rollup		External Milestone		Progress	
Split		Inactive Milestone		Manual Summary		Deadline		Manual Progress	
Milestone		Inactive Summary		Start-only		Baseline			
Summary		Manual Task		Finish-only		Baseline Milestone			
Project Summary		Duration-only		External Tasks		Baseline Summary			

Capital Projects Earned Value Analysis  
Financial Data as of 02/09/2024

Proj #	Project Name	Project Manager	Concept Design	Detail Design	Construction	BAC	PV	EV	AC	SV	CV	ETC	EAC	VAC	SPI	CPI	TCPI
801	FEMA Hazard Mitigation-Academy Creek	Burroughs	Haggerty	TBD	TBD	\$ 3,188,000.00	\$ 3,188,000.00	\$ 1,157,244.00	\$ 1,528,193.81	\$ (1,212,968.49)	\$ (370,949.81)	\$ 2,681,706.49	\$ 4,209,900.30	\$ (1,021,900.30)	0.36	0.76	1.22
2001	PS 4105 Basin Expansion	Vo	JWSC	Roberts Civil Engineering	TBD	\$ 2,735,000.00	\$ 2,735,000.00	\$ 1,005,133.69	\$ 1,126,696.74	\$ (1,729,866.31)	\$ (121,563.05)	\$ 1,939,080.10	\$ 3,065,776.84	\$ (330,776.84)	0.37	0.89	1.08
2009	Sea Palms East Water Line Rehab	Simmons	JWSC	N/A	TBD	\$ 178,595.00	\$ 178,595.00	\$ 29,468.18	\$ 37,703.42	\$ (149,126.83)	\$ (8,235.25)	\$ 190,802.16	\$ 228,505.58	\$ (49,910.58)	0.17	0.78	1.06
2016	Arco Water and Sewer Expansion	Patel	JWSC	T&H	UWS	\$ 3,800,000.00	\$ 3,800,000.00	\$ 2,720,300.00	\$ 2,345,369.15	\$ (2,087,420.00)	\$ 374,930.85	\$ 930,888.16	\$ 3,276,257.31	\$ 523,742.69	0.72	1.16	0.74
2018	Meter Replacements	Roberts	JWSC	N/A	Delta Municipal Supply	\$ 18,450,000.00	\$ 7,318,082.19	\$ 18,359,000.00	\$ 15,971,041.28	\$ 11,040,917.81	\$ 2,387,958.72	\$ 79,163.61	\$ 16,050,204.89	\$ 2,399,795.11	2.51	1.15	0.04
2020	Community Rd Area Water and Sewer Expansion	Patel	JWSC	HGB	TBD	\$ 250,000.00	\$ 250,000.00	\$ 162,475.00	\$ 265,921.00	\$ (13,690.48)	\$ (103,446.00)	\$ 143,251.18	\$ 409,172.18	\$ (159,172.18)	0.65	0.61	-5.50
2021	Galvanized Replacements	Simmons	JWSC	N/A	JWSC	\$ 750,000.00	\$ 750,000.00	\$ 291,035.35	\$ 441,595.24	\$ (458,964.65)	\$ (150,559.89)	\$ 696,398.57	\$ 1,137,993.81	\$ (387,993.81)	0.39	0.66	1.49
2102	Canal Road WPF	Vo	T&H	T&H	TBD	\$ 1,850,000.00	\$ 1,850,000.00	\$ 151,286.00	\$ 122,480.00	\$ (1,698,714.00)	\$ 28,806.00	\$ 1,375,265.99	\$ 1,497,745.99	\$ 352,254.01	0.08	1.24	0.98
2103	North Mainland Water Loops	Vo	4Waters	4Waters	Vallencourt Construction	\$ 1,250,000.00	\$ 634,678.79	\$ 1,084,007.00	\$ 2,111,856.70	\$ 449,328.21	\$ (1,027,849.70)	\$ 323,386.68	\$ 2,435,243.38	\$ (1,185,243.38)	1.71	0.51	-0.19
2104	PS 4002 Rehab	Kline	Kimley-Horn	Kimley-Horn	Popco, Inc.	\$ 650,000.00	\$ 96,888.89	\$ 53,600.00	\$ 61,593.98	\$ (43,288.89)	\$ (7,993.98)	\$ 685,347.94	\$ 746,941.92	\$ (96,941.92)	0.55	0.87	1.01
2105	PS 4044 Rehab	Kline	LEA	LEA	Popco, Inc.	\$ 550,000.00	\$ 235,514.39	\$ 53,091.78	\$ 53,450.00	\$ (182,422.62)	\$ (358.22)	\$ 500,261.00	\$ 553,711.00	\$ (3,711.00)	0.23	0.99	1.00
2106	Dunbar Creek WPCF Rehab	Burroughs	BRW/HGB	HGB	BRW	\$ 9,338,893.30	\$ 7,294,372.75	\$ 4,715,482.68	\$ 5,223,947.51	\$ (2,578,890.07)	\$ (508,464.83)	\$ 5,121,947.42	\$ 10,345,894.93	\$ (1,007,001.63)	0.65	0.90	1.12
2108	PS 4001 Rehab	Kline	Kimley-Horn	Kimley-Horn	Popco, Inc.	\$ 400,000.00	\$ 50,666.67	\$ 26,800.00	\$ 36,583.94	\$ (23,866.67)	\$ (9,783.94)	\$ 509,445.02	\$ 546,028.96	\$ (146,028.96)	0.53	0.73	1.03
2109	Highway 17 North Pump Station	Patel	JWSC	JWSC	TBD	\$ 400,000.00	\$ 400,000.00	\$ 10,000.00	\$ 31,804.83	\$ (390,000.00)	\$ (21,804.83)	\$ 1,240,388.37	\$ 1,272,193.20	\$ (872,193.20)	0.03	0.31	1.06
2110	PS 3101 Rehab	Kline	Kimley-Horn	Kimley-Horn	Popco, Inc.	\$ 375,000.00	\$ 49,925.93	\$ 26,800.00	\$ 36,583.94	\$ (23,125.93)	\$ (9,783.94)	\$ 475,318.21	\$ 511,902.15	\$ (136,902.15)	0.54	0.73	1.03
2203	Mall EST & Oglethorpe EST Rehab	Vo	JWSC	JWSC	TankPro, Inc.	\$ 1,000,000.00	\$ 1,000,000.00	\$ 990,000.00	\$ 1,236,872.00	\$ (10,000.00)	\$ (246,872.00)	\$ 12,493.66	\$ 1,249,365.66	\$ (249,365.66)	0.99	0.80	-0.04
2207	Wesley Oaks Circle Water Main Improvements	Burroughs	JWSC	JWSC	D&D Directional Drilling	\$ 450,000.00	\$ 450,000.00	\$ 13,500.00	\$ 82,856.95	\$ (436,500.00)	\$ (69,356.95)	\$ 2,679,041.38	\$ 2,761,898.33	\$ (2,311,898.33)	0.03	0.16	1.19
2208	JWSC Facilities Improvements	Crosby	JWSC	N/A	Multiple	\$ 450,000.00	\$ 450,000.00	\$ 105,500.00	\$ 106,376.00	\$ (344,500.00)	\$ (876.00)	\$ 347,360.49	\$ 453,736.49	\$ (3,736.49)	0.23	0.99	1.00
2209	Brunswick Villa Area Sewer Extensions	Patel	JWSC	Kimley-Horn	TBD	\$ 2,750,000.00	\$ 2,297,356.00	\$ 319,619.75	\$ 316,602.00	\$ (1,977,736.25)	\$ 3,017.75	\$ 2,407,433.37	\$ 2,724,035.37	\$ 25,964.63	0.14	1.01	1.00
2215B	Highway 341/Crispen Boulevard Repairs	Kline	N/A	N/A	Popco, Inc.	\$ 679,000.00	\$ 679,000.00	\$ 675,605.00	\$ 674,500.00	\$ (3,395.00)	\$ 1,105.00	\$ 3,389.45	\$ 677,889.45	\$ 1,110.55	1.00	1.00	0.75
2216S	SPLOST EXIT 29 WPF & EST	Kline	N/A	T&H	TBD	\$ 6,000,000.00	\$ 148,764.36	\$ 138,288.00	\$ 42,321.60	\$ (10,476.36)	\$ 95,966.40	\$ 1,793,915.82	\$ 1,836,237.42	\$ 4,163,762.58	0.93	3.27	0.98
TOTALS						\$ 55,494,488.30	\$ 33,856,844.97	\$ 32,088,236.43	\$ 31,854,350.09	\$ (1,768,608.55)	\$ 233,886.34	\$ 24,136,285.07	\$ 55,990,635.16	\$ (496,146.86)	0.95	1.01	0.99

BAC  
PV  
EV  
AC  
SV  
CV  
ETC  
EAC  
VAC

Budget at Completion  
Planned Vaue  
Earned Value  
Actual Cost  
Schedule Variance  
Cost Variance  
Estimate to Complete  
Estimate at Completion  
Variance at Completion

Approved Budget for Project  
% of Schedule Used x BAC  
% of Work Completed x BAC  
Actual Costs to Date  
EV - PV  
EV - AC  
(BAC - EV) / CPI  
AC + ETC  
BAC - EAC

Positive means ahead of schedule  
Positive is better  
Estimate to complete based on cost performance to date  
Estimated final project cost  
Positive means project is projected to be under budget