



Brunswick-Glynn Joint Water and Sewer Commission
1703 Gloucester Street, Brunswick GA 31520
Wednesday, April 17, 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 March 20, 2024, Facilities Committee Meeting** (*subject to any necessary changes*) [Report](#)
2. **Contract Award - 4002 Basin CIPP Rehabilitation Project** – A. Burroughs [Report](#)
3. **Contract Award - Brunswick Villa Area Sewer Expansion** – A. Burroughs [Report](#)
4. **Pump Station 4105 Pumps Purchase** – A. Burroughs [Report](#)
5. **Academy Creek Influent Pump Bases Repair** – A. Burroughs [Report](#)
6. **Dedication of Easements and Infrastructure** – T. Kline [Report](#)
 - **Grace Crossing Phase 2B – Dedication of Infrastructure and Easement**

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 a City or County Commissioners being present.



Brunswick-Glynn Joint Water & Sewer Commission
1703 Gloucester Street, Brunswick, GA 31520
Commission Meeting Room
Wednesday, April 17, 2024, at 1:00 PM

FACILITIES COMMITTEE MINUTES

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

ALSO PRESENT: **Lance Sabbe, Commissioner**
 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.

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

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 March 20, 2024

Commissioner Cook made a motion seconded by Ford to approve the minutes from the Facilities Committee Meeting held on March 20, 2024. Motion carried 3-0-0.

2. Contract Award – 4002 Basin CIPP Rehabilitation Project – A. Burroughs

Mr. Burroughs advised that Basin 4002 is the sewer basin serving the majority of the City of Brunswick south of Gloucester Street and portions north of Gloucester Street up to portions of I and J Streets. It is the largest gravity sewer basin in our system and as a result is a significant contributor of I&I to our system. The basin is 147,445 linear feet with over 75% of the basin being either clay or iron pipe. The basin was inspected via CCTV inspection by BGJWSC staff as part of programmed system inspections that occur once every ten years. Each segment was scored from 1-5 based on NASSCO standards. The pipes scoring a minimum of 4 that were candidates for trenchless rehabilitation were included in this bid package. The scope of work is CIPP lining, not replacing of lines. Of those lines for CIPP most are clay, and some are iron. The total CIPP rehab for this project is 26,883 linear feet in pipe diameters ranging from 6” – 24”. This project does not include lining manholes. Five (5) bids were submitted to BGJWSC on Tuesday, March 26, 2024, with the apparent low bid from Bio-Nomic Services, Inc., in the amount of \$1,748,173.00. The low bid was

reviewed by staff and deemed reasonable compared to recent projects of a similar nature. The Engineer's Opinion of Probable Cost for this project completed at time of bid advertisement was \$2,895,999.00. Mr. Burroughs noted that bid items 16-25, 28, and 29 will be completed and invoiced as requested by the project manager based upon field conditions before rehab occurs. Therefore, the project costs will almost certainly exceed the \$1,748,173 bid amount. However, this would be true of all bidders and does not impact the low bidder on the project. Available funding for this project through the GEFA loan is \$4,529,977.00. Upon project completion the GEFA loan can be closed out for an amount less than the original \$15,000,000 budget.

Commissioner Cook made a motion seconded by Commissioner Ford that the Facilities Committee recommend awarding a contract for the 4002 Basin Cured-in-Place Piping Rehabilitation Project to Bio-Nomic Services, Inc., in the amount of \$1,748,173.00. Motion carried 3-0-0.

3. Contract Award -Brunswick Villa Area Sewer Expansion – A. Burroughs

Mr. Burroughs stated that the Brunswick Villa neighborhood is bounded by Altama Avenue to the east, Brunswick High School to the north, Wylly Avenue to the west, and Sixth Street to the south. This neighborhood is adjacent to existing BGJWSC assets and is a prime candidate for in-fill expansion as identified by the BGJWSC. Similar to the project in Arco, this project will install 8,155 linear feet of gravity sewer and replace 650 feet of water main in the neighborhood to enable residents to connect to the sewer system and remove their aged septic systems. There will be 219 parcels with new sewer availability in the neighborhood upon completion of this project. Engineering design services were provided by Kimley-Horn. Three (3) bids were submitted to JWSC on Tuesday, March 26, 2024, with the apparent low bid from Southeast Pipe Survey, Inc., in the amount of \$4,658,360.50. There was a bid alternate included to perform complete removal and replacement of existing asphalt pavement in the neighborhood in lieu of partial milling as required for the project. This alternate can be accepted for a deduction of \$113,300.00, bringing the total contract value \$4,545,060.50. Kimley-Horn has provided a bid tabulation and recommendation of award to Southeast Pipe Survey including the alternate bid item for a total of \$4,545,060.50. This is within 1% of the Engineer's Opinion of Probable Cost completed at time of bid advertisement. This amount exceeds available funding in the project budget by \$2,346,240.50. This overage will be funded from uncommitted funds in the Capital Improvement Fees reserve.

Commissioner Ford made a motion seconded by Commissioner Cook that the Facilities Committee recommend awarding a contract for the construction of the Brunswick Villa Area Sewer Extension Project to Southeast Pipe Survey, Inc., in the amount of \$4,545,060.50.

After discussing concerns on the "payback" the JWSC project expenses, the number of parcels to be served, residents' ability to tie on to the System, and Ordinance requirements being enforced. A vote was taken,

Motion carried 2-1-0. (Commissioners Turnipseed and Cook voted "For" and Commissioner Ford voted "Against".

4. Pump Station 4105 Pumps Purchase – A. Burroughs

Mr. Burroughs provided that JWSC operates PS 4105 on Winstead Drive off Cate Road that handles sanitary sewer flows from the Exit 38 area. The station is scheduled for a force main replacement and electrical upgrades through a funded capital project. However, the existing pumps in the station have reached the end of their useful life and need replacement. Staff requested a quote for in-kind replacement pumps for PS 4105 from Xylem Water Solutions for two 20 hp Flygt submersible pumps. The cost for these two replacement pumps is \$36,856.40. Upon completion of the force main and station upgrades, these pumps can be relocated

to PS 4109 on Glyncio Parkway for replacement of the existing pumps at that station which are approaching 20 years of age. This purchase is funded from the Systems Pumping & Maintenance Operations budget.

Commissioner Cook made a motion seconded by Commissioner Ford that the Facilities Committee recommend approval of the purchase of two new Flygt submersible pumps for Pump Station 4105 from Xylem Water Solutions USA, Inc. in the amount of \$36,856.40. Motion carried 3-0-0.

5. Academy Creek Influent Pump Bases Repair – A. Burroughs

Mr. Burroughs advised that the Academy Creek Influent Pump Station contains four pump bases that are fixed to the floor of the wet well. When pumps are installed, they are slid down guide rails and are seated onto these bases. In September 2023, BGJWSC ordered two new influent pumps that are scheduled for delivery in early May. Staff had condition inspections performed on the pump bases. Upon inspection, it was determined that the pump bases were no longer properly affixed to the wet well, causing the pumps not to seat correctly, increasing vibration on the pump, and reducing pump capacity and pump lifespan. Staff requested a quote from BRW Construction Group, LLC to perform rehab of the concrete and pump bases as necessary to properly install these bases in advance of the new pumps being delivered. In addition, staff wishes to perform the same tasks on the remaining two pump bases once the new pumps are installed. This work will improve pumping efficiency and reduce wear and tear on the influent pumps. BRW performed similar work at the Dunbar Creek WPCF during the ongoing construction project. BRW provided a quote of \$49,192.00 to perform the work and has confirmed that the work can be completed in advance of the new pump deliveries in early May. This item will be funded from the Academy Creek operations budget.

Commissioner Cook made a motion seconded by Commissioner Ford that the Facilities Committee recommend entering into a contract with BRW Construction Group, LLC to perform rehab on the influent pump bases at Academy Creek Water Pollution Control Facility in the amount of \$49,192.00. Motion carried 3-0-0.

6. Dedication of Easements and Infrastructure – T. Kline

• Grace Crossing Phase 2B – Dedication of Easement and Infrastructure

Mr. Kline provided that the Developer of the above noted project has submitted legal documents to define and execute the transfer of ownership of water and sanitary sewer infrastructure to JWSC. The required documents have all been received. 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.

Commissioner Cook made a motion seconded by Commissioner Ford that the Facilities Committee recommend the full Commission approve and accept this project with associated documents. Motion carried 3-0-0.

DISCUSSION

1. Water Production Report – A. Burroughs

Mr. Burroughs presented the Water Production Report for the month of March 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 March 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. March 2024 had a higher recorded rainfall at Academy Creek than the month of February. The influent flow at Academy Creek for March was 8.5 MGD as compared to February at 7.7. The effluent flow for March increased from February's 6.5 MGD to 7.2 MGD, with the plant operating at 53% of its capacity. The influent flow at Dunbar Creek for the month of March was 3.5 MGD, and the effluent flow was at 3.4 MGD, with the plant operating at 85% capacity. The influent flow at South Port was N/A and the effluent flow reported at 0.538, with the plant operating at 36% capacity. JWSC's wastewater treatment plants are operating very well.

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

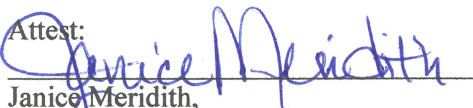
Mr. Kline and Mr. Burroughs presented an update on the monthly Project Report for Capital Projects currently in process including those in the engineering phase and those in construction. The Commissioners were provided with a packet containing: the Capital Project Photographs, Capital Project Report 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 2:42 p.m.



G. Ben Turnipseed,
Facilities Committee Chairman

Attest:


Janice Meridith,
Executive Commission Administrator



Brunswick-Glynn

Joint Water and Sewer Commission

Memorandum

To: Facilities Committee
From: Andrew Burroughs, Executive Director
Date: Wednesday, April 17, 2024
Re: Contract Award – 4002 Basin Cured-in-Place Piping Rehabilitation

Background

Basin 4002 is the sewer basin that serves the majority of the City of Brunswick south of Gloucester Street and portions north of Gloucester Street up to portions of I and J Streets. It is the largest gravity sewer basin in our system and as a result is a significant contributor of I&I to our system. The basin is 147,445 linear feet with over 75% of the basin being either clay or iron pipe. The basin was inspected via CCTV inspection by BGJWSC staff as part of programmed system inspections that occur once every ten years. Each segment was then provided a score of 1-5 based on NASSCO standards and the pipes scoring a minimum of 4 that were candidates for trenchless rehabilitation were included in this bid package. Total CIPP rehab for this project is 26,883 linear feet in pipe diameters ranging from 6” – 24”.

Staff Report

Five (5) bids were submitted to BGJWSC on Tuesday, March 26, 2024, with the apparent low bid from Bio-Nomic Services, Inc., in the amount of \$1,748,173.00. The low bid was reviewed by staff and deemed reasonable compared to recent projects of a similar nature. The Engineer's Opinion of Probable Cost for this project completed at time of bid advertisement was \$2,895,999.00.

Note that bid items 16-25, 28, and 29 will be completed and invoiced as requested by the project manager based upon field conditions before rehab occurs. Therefore, the project costs will almost certainly exceed the \$1,748,173 bid amount. However, this would be true of all bidders and does not impact the low bidder on the project. Available funding for this project through the GEFA loan is \$4,529,977.00. Upon project completion the GEFA loan can be closed out for an amount less than the original \$15,000,000 budget.

Recommended Action

Staff recommends awarding a contract to Bio-Nomic Services, Inc., for the 4002 Basin Cured-in-Place Piping Rehabilitation Project in the amount of \$1,748,173.00.

Recommended Motion

“I move that the Facilities Committee recommend awarding a contract for the 4002 Basin Cured-in-Place Piping Rehabilitation Project to Bio-Nomic Services, Inc., in the amount of \$1,748,173.00.”

Enclosure


Bid Tab

Brunswick-Glynn Joint Water and Sewer Commission
IFB 24-002
Basin 4002 Cured-in-Place Piping Rehabilitation

Basin 4002 Gravity CIPP				Bio-Nomic Services, Inc.		SAK Construction, LLC		Veit National Corporation		Inliner Solutions, LLC		Southeast Pipe Survey, Inc.	
Item	Description	Quantity	Units	Unit Price	Total	Unit Price	Total	Unit Price	Total	Unit Price	Total	Unit Price	Total
1	Mobilization	1	LS	\$ 30,000.00	\$ 30,000.00	\$ 100,000.00	\$ 100,000.00	\$ 375,000.00	\$ 375,000.00	\$ 297,000.00	\$ 297,000.00	\$ 13,900.00	\$ 13,900.00
2	Bypass Pumping	1	LS	\$ 159,864.00	\$ 159,864.00	\$ 150,000.00	\$ 150,000.00	\$ 325,000.00	\$ 325,000.00	\$ 440,000.00	\$ 440,000.00	\$ 191,000.00	\$ 191,000.00
3	Traffic Control	1	LS	\$ 14,000.00	\$ 14,000.00	\$ 100,000.00	\$ 100,000.00	\$ 275,000.00	\$ 275,000.00	\$ 107,000.00	\$ 107,000.00	\$ 206,928.00	\$ 206,928.00
4	Sanitary Sewer Mainline Pre-Cleaning Inspection ≤ 12" Diameter	22614	LF	\$ 0.50	\$ 11,307.00	\$ 2.25	\$ 50,881.50	\$ 7.00	\$ 158,298.00	\$ 2.25	\$ 50,881.50	\$ 1.90	\$ 42,966.60
5	Sanitary Sewer Mainline Pre-Cleaning Inspection > 12" Diameter	4269	LF	\$ 1.00	\$ 4,269.00	\$ 3.50	\$ 14,941.50	\$ 12.00	\$ 51,228.00	\$ 6.25	\$ 26,681.25	\$ 1.90	\$ 8,111.10
6	Sanitary Sewer Mainline Cleaning ≤ 12" Diameter	22614	LF	\$ 1.00	\$ 22,614.00	\$ 4.00	\$ 90,456.00	\$ 5.00	\$ 113,070.00	\$ 2.00	\$ 45,228.00	\$ 2.00	\$ 45,228.00
7	Sanitary Sewer Mainline Cleaning > 12" Diameter	4269	LF	\$ 3.00	\$ 12,807.00	\$ 7.00	\$ 29,883.00	\$ 13.00	\$ 55,497.00	\$ 2.50	\$ 10,672.50	\$ 2.75	\$ 11,739.75
8	Sanitary Sewer Mainline Post-Cleaning Inspection ≤ 12" Diameter	22614	LF	\$ 0.50	\$ 11,307.00	\$ 2.00	\$ 45,228.00	\$ 3.00	\$ 67,842.00	\$ 1.00	\$ 22,614.00	\$ 1.90	\$ 42,966.60
9	Sanitary Sewer Mainline Post-Cleaning Inspection > 12" Diameter	4269	LF	\$ 2.00	\$ 8,538.00	\$ 3.00	\$ 12,807.00	\$ 8.00	\$ 34,152.00	\$ 3.00	\$ 12,807.00	\$ 1.90	\$ 8,111.10
10	6" CIPP Mainline Rehabilitation	243	LF	\$ 52.00	\$ 12,636.00	\$ 48.00	\$ 11,664.00	\$ 60.00	\$ 14,580.00	\$ 50.00	\$ 12,150.00	\$ 87.50	\$ 21,262.50
11	8" CIPP Mainline Rehabilitation	20914	LF	\$ 40.00	\$ 836,560.00	\$ 36.75	\$ 768,589.50	\$ 48.00	\$ 1,003,872.00	\$ 33.00	\$ 690,162.00	\$ 42.00	\$ 878,388.00
12	10" CIPP Mainline Rehabilitation	1457	LF	\$ 61.00	\$ 88,877.00	\$ 58.50	\$ 85,234.50	\$ 56.00	\$ 81,592.00	\$ 54.50	\$ 79,406.50	\$ 55.00	\$ 80,135.00
13	15" CIPP Mainline Rehabilitation	2297	LF	\$ 65.00	\$ 149,305.00	\$ 97.00	\$ 222,809.00	\$ 85.00	\$ 195,245.00	\$ 56.00	\$ 128,632.00	\$ 82.00	\$ 188,354.00
14	18" CIPP Mainline Rehabilitation	483	LF	\$ 89.00	\$ 42,987.00	\$ 102.00	\$ 49,266.00	\$ 125.00	\$ 60,375.00	\$ 85.00	\$ 41,055.00	\$ 108.00	\$ 52,164.00
15	24" CIPP Mainline Rehabilitation	1489	LF	\$ 118.00	\$ 175,702.00	\$ 180.00	\$ 268,020.00	\$ 180.00	\$ 268,020.00	\$ 130.00	\$ 193,570.00	\$ 152.00	\$ 226,328.00
16	Sanitary Sewer Mainline Heavy Sewer Cleaning ≤ 12" Diameter	1	SEGMENT	\$ 4,000.00	\$ 4,000.00	\$ 1,500.00	\$ 1,500.00	\$ 4,500.00	\$ 4,500.00	\$ 380.00	\$ 380.00	\$ 1,114.00	\$ 1,114.00
17	Sanitary Sewer Mainline Heavy Sewer Cleaning > 12" Diameter	1	SEGMENT	\$ 10,000.00	\$ 10,000.00	\$ 3,000.00	\$ 3,000.00	\$ 10,500.00	\$ 10,500.00	\$ 530.00	\$ 530.00	\$ 1,793.00	\$ 1,793.00
18	Sanitary Sewer Mainline Deposit Cut ≤ 12" Diameter	1	SEGMENT	\$ 7,000.00	\$ 7,000.00	\$ 5,600.00	\$ 5,600.00	\$ 11,000.00	\$ 11,000.00	\$ 2,500.00	\$ 2,500.00	\$ 2,510.00	\$ 2,510.00
19	Sanitary Sewer Mainline Deposit Cut > 12" Diameter	1	SEGMENT	\$ 15,000.00	\$ 15,000.00	\$ 17,000.00	\$ 17,000.00	\$ 23,500.00	\$ 23,500.00	\$ 3,500.00	\$ 3,500.00	\$ 5,188.00	\$ 5,188.00
20	Sanitary Sewer Mainline Root Cut Medium ≤ 12" Diameter	1	SEGMENT	\$ 1,200.00	\$ 1,200.00	\$ 1,500.00	\$ 1,500.00	\$ 4,500.00	\$ 4,500.00	\$ 2,500.00	\$ 2,500.00	\$ 1,435.00	\$ 1,435.00
21	Sanitary Sewer Mainline Root Cut Medium > 12" Diameter	1	SEGMENT	\$ 3,500.00	\$ 3,500.00	\$ 1,500.00	\$ 1,500.00	\$ 5,500.00	\$ 5,500.00	\$ 2,650.00	\$ 2,650.00	\$ 2,152.00	\$ 2,152.00
22	Sanitary Sewer Mainline Root Cut Ball ≤ 12" Diameter	1	SEGMENT	\$ 1,200.00	\$ 1,200.00	\$ 1,500.00	\$ 1,500.00	\$ 5,000.00	\$ 5,000.00	\$ 2,500.00	\$ 2,500.00	\$ 4,303.00	\$ 4,303.00
23	Sanitary Sewer Mainline Root Cut Ball > 12" Diameter	1	SEGMENT	\$ 3,500.00	\$ 3,500.00	\$ 1,500.00	\$ 1,500.00	\$ 5,500.00	\$ 5,500.00	\$ 3,000.00	\$ 3,000.00	\$ 7,171.00	\$ 7,171.00
24	Sanitary Sewer Mainline Lateral Cut ≤ 12" Diameter	1	EACH	\$ 1,000.00	\$ 1,000.00	\$ 500.00	\$ 500.00	\$ 2,500.00	\$ 2,500.00	\$ 1,000.00	\$ 1,000.00	\$ 856.00	\$ 856.00
25	Sanitary Sewer Mainline Lateral Cut > 12" Diameter	1	SEGMENT	\$ 2,000.00	\$ 2,000.00	\$ 500.00	\$ 500.00	\$ 4,500.00	\$ 4,500.00	\$ 1,500.00	\$ 1,500.00	\$ 4,279.00	\$ 4,279.00
26	Service Connection Reinstatement	300	EACH	\$ 125.00	\$ 37,500.00	\$ 100.00	\$ 30,000.00	\$ 475.00	\$ 142,500.00	\$ 75.00	\$ 22,500.00	\$ 172.00	\$ 51,600.00
27	Dye Testing of Existing Service Connections	300	EACH	\$ 155.00	\$ 46,500.00	\$ 250.00	\$ 75,000.00	\$ 800.00	\$ 240,000.00	\$ 120.00	\$ 36,000.00	\$ 192.00	\$ 57,600.00
28	Open Cut Point Repairs	1	EACH	\$ 10,000.00	\$ 10,000.00	\$ 30,000.00	\$ 30,000.00	\$ 75,000.00	\$ 75,000.00	\$ 40,000.00	\$ 40,000.00	\$ 53,000.00	\$ 53,000.00
29	Flowable Fill, Complete in Place	100	GAL	\$ 250.00	\$ 25,000.00	\$ 200.00	\$ 20,000.00	\$ 1,250.00	\$ 125,000.00	\$ 115.00	\$ 11,500.00	\$ 156.00	\$ 15,600.00
TOTAL				\$1,748,173.00		\$2,188,880.00		\$3,738,271.00		\$2,287,919.75		\$2,226,183.65	

EOPC	
Unit Price	Total
\$ 170,000.00	\$ 170,000.00
\$ 170,000.00	\$ 170,000.00
\$ 170,000.00	\$ 170,000.00
\$ 3.00	\$ 67,842.00
\$ 6.00	\$ 25,614.00
\$ 5.00	\$ 113,070.00
\$ 8.00	\$ 34,152.00
\$ 3.00	\$ 67,842.00
\$ 6.00	\$ 25,614.00
\$ 60.00	\$ 14,580.00
\$ 60.00	\$ 1,254,840.00
\$ 70.00	\$ 101,990.00
\$ 100.00	\$ 229,700.00
\$ 110.00	\$ 53,130.00
\$ 125.00	\$ 186,125.00
\$ 2,500.00	\$ 2,500.00
\$ 5,000.00	\$ 5,000.00
\$ 5,000.00	\$ 5,000.00
\$ 10,000.00	\$ 10,000.00
\$ 1,500.00	\$ 1,500.00
\$ 3,000.00	\$ 3,000.00
\$ 1,500.00	\$ 1,500.00
\$ 3,000.00	\$ 3,000.00
\$ 1,500.00	\$ 1,500.00
\$ 3,000.00	\$ 3,000.00
\$ 135.00	\$ 40,500.00
\$ 200.00	\$ 60,000.00
\$ 50,000.00	\$ 50,000.00
\$ 250.00	\$ 25,000.00
\$2,895,999.00	

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



Andrew Burroughs, P.E., Georgia Registration No. 042863



Brunswick-Glynn

Joint Water and Sewer Commission

Memorandum

To: Facilities Committee
From: Andrew Burroughs, Executive Director
Date: Wednesday, April 17, 2024
Re: Contract Award – Brunswick Villa Area Sewer Extension Project

Background

The Brunswick Villa neighborhood is bounded by Altama Avenue to the east, Brunswick High School to the north, Wyly Avenue to the west, and Sixth Street to the south. This neighborhood is adjacent to existing BGJWSC assets and is a prime candidate for in-fill expansion as identified by the BGJWSC. Similar to the project in Arco, this project will install 8,155 linear feet of gravity sewer and replace 650 feet of water main in the neighborhood to enable residents to connect to the sewer system and remove their aged septic systems. There will be 219 parcels with new sewer availability in the neighborhood upon completion of this project. Engineering design services were provided by Kimley-Horn.

Staff Report

A mandatory pre-bid teleconference was held on Thursday, March 7, 2024, and was attended by seven (7) prime construction firms and one (1) paving subcontractor. Three (3) bids were submitted to JWSC on Tuesday, March 26, 2024, with the apparent low bid from Southeast Pipe Survey, Inc., in the amount of \$4,658,360.50. There was a bid alternate included to perform complete removal and replacement of existing asphalt pavement in the neighborhood in lieu of partial milling as required for the project. This alternate can be accepted for a deduction of \$113,300.00, bringing the total contract value \$4,545,060.50.

Kimley-Horn has provided a bid tabulation and recommendation of award to Southeast Pipe Survey including the alternate bid item for a total of \$4,545,060.50. This is within 1% of the Engineer's Opinion of Probable Cost completed at time of bid advertisement. This amount exceeds available funding in the project budget by \$2,346,240.50. This overage will be funded from uncommitted funds in the Capital Improvement Fees reserve.

Recommended Action

Staff recommends awarding a contract to Southeast Pipe Survey, Inc. for the construction of the Brunswick Villa Area Sewer Extension Project in the amount of \$4,545,060.50.

Recommended Motion

"I move that the Facilities Committee recommend awarding a contract for the construction of the Brunswick Villa Area Sewer Extension Project to Southeast Pipe Survey, Inc., in the amount of \$4,545,060.50."

Enclosure

Engineer's Recommendation
Bid Tab



March 29, 2024

Mr. Haresh Patel
Brunswick-Glynn County Joint Water & Sewer Commission
1703 Gloucester Street
Brunswick, GA 31520

RE: ITB No. 24-006 -Construction Services for Brunswick Villa Area Sewer Extension

Dear Mr. Patel:

On March 26, 2024 Brunswick-Glynn County Joint Water & Sewer Commission (BGJWSC) received three (3) bids for ITB No. 24-006 - Construction Services for Brunswick Villa Area Sewer Extension. The bids were submitted by Popco, Inc., UWS Inc., and Southeast Pipe Survey, Inc. BGJWSC reviewed the bids and affirmed that all three bids are considered responsive bids. Attached is a bid tabulation of the submitted bids.

Based upon our review of the documents submitted, Southeast Pipe Survey, Inc. appears to be the lowest responsive bidder with a base bid in the amount of \$4,658,360.50. This bid includes \$353,144.00 in "Additional Work Items" that were included in the bid to establish unit prices for unforeseen circumstances that may be encountered during construction. The Engineer's Opinion of Probable Cost (EOPC) for the project was estimated to be \$4,692,350.00, not including contingency. The bid provided by Southeast Pipe is lower and within 1% of the EOPC.

The Bid included alternative A.1 for complete removal and replacement of existing asphalt pavement within the project area in lieu of partial mill. Alternative A.1 results in a deduction of overall contract value. Southeast Pipe Survey, Inc. Bid Alternative A.1 deducts \$113,300.00 from the contract for a total of \$4,545,060.50.

Based on our review and discussions with BGJWSC staff, Kimley-Horn recommends the following:

- Proceed with Bid Alternative A.1;
- Award a contract to Southeast Pipe Survey, Inc. in the amount of \$4,545,060.50.

Please feel free to contact me if you have additional questions regarding the review of bids received.

Sincerely,

Kelly Blake Smith, P.E.
Senior Water Resources Project Manager

Attachment: Bid Tabulation Summary

Cc: Pamela Crosby, Alex Eagle

File: K:\JAX_WaterResources\045709001 - BGJWSC Villa Area Sewer Extension\Bid Phase\Letter

BGJWSC VILLA AREA WATER & SEWER EXTENSION				EOPC		UWS		POPCO INC.		SOUTHEAST PIPE	
Item #	Description	Quantity	Unit	Unit Cost	Total	Unit Cost	Total	Unit Cost	Total	Unit Cost	Total
Site Work (Collected by Phase, 20% each phase)											
1	Mobilization, Demobilization, Insurance, and Bonds	1	LS	\$ 220,000.00	\$ 220,000.00	\$ 225,000.00	\$ 225,000.00	\$ 546,050.00	\$ 546,050.00	\$ 79,133.00	\$ 79,133.00
2	Maintenance of Traffic	1	LS	\$ 100,000.00	\$ 100,000.00	\$ 108,000.00	\$ 108,000.00	\$ 175,500.00	\$ 175,500.00	\$ 20,825.00	\$ 20,825.00
3	Erosion, Sedimentation, and Pollution Control	1	LS	\$ 25,000.00	\$ 25,000.00	\$ 67,500.00	\$ 67,500.00	\$ 76,050.00	\$ 76,050.00	\$ 10,413.00	\$ 10,413.00
4	Clearing, Grubbing, and Grassing	1	LS	\$ 75,000.00	\$ 75,000.00	\$ 135,000.00	\$ 135,000.00	\$ 76,050.00	\$ 76,050.00	\$ 10,413.00	\$ 10,413.00
5	Bypass Pumping	1	LS	\$ 150,000.00	\$ 150,000.00	\$ 135,000.00	\$ 135,000.00	\$ 117,000.00	\$ 117,000.00	\$ 41,650.00	\$ 41,650.00
Subtotal: Site Work				\$ 570,000.00	\$ 570,000.00	\$ 670,500.00	\$ 670,500.00	\$ 990,650.00	\$ 990,650.00	\$ 162,434.00	\$ 162,434.00
Wastewater Collection System											
6.0	6" Dia. PVC Gravity Sewer Main, ASTM D3034, SDR26	275	LF	\$ 100.00	\$ 27,500.00	\$ 280.00	\$ 77,000.00	\$ 110.00	\$ 30,250.00	\$ 115.00	\$ 31,625.00
6.1	8" Dia. PVC Gravity Sewer Main, ASTM D3034, SDR26 (0-6)	290	LF	\$ 115.00	\$ 33,350.00	\$ 280.00	\$ 81,200.00	\$ 167.00	\$ 48,430.00	\$ 141.00	\$ 40,890.00
6.2	8" Dia. PVC Gravity Sewer Main, ASTM D3034, SDR26 (6-8)	2050	LF	\$ 145.00	\$ 297,250.00	\$ 301.00	\$ 617,050.00	\$ 177.00	\$ 362,850.00	\$ 146.00	\$ 299,300.00
6.3	8" Dia. PVC Gravity Sewer Main, ASTM D3034, SDR26 (8-10)	410	LF	\$ 170.00	\$ 69,700.00	\$ 343.00	\$ 140,630.00	\$ 197.00	\$ 80,770.00	\$ 162.00	\$ 66,420.00
6.4	10" Dia. PVC Gravity Sewer Main, ASTM D3034, SDR26 (0-6)	400	LF	\$ 130.00	\$ 52,000.00	\$ 343.00	\$ 137,200.00	\$ 196.00	\$ 78,400.00	\$ 146.00	\$ 58,400.00
6.5	10" Dia. PVC Gravity Sewer Main, ASTM D3034, SDR26 (6-8)	3020	LF	\$ 175.00	\$ 528,500.00	\$ 343.00	\$ 1,035,860.00	\$ 206.00	\$ 622,120.00	\$ 151.00	\$ 456,020.00
6.6	10" Dia. PVC Gravity Sewer Main, ASTM D3034, SDR26 (8-10)	1580	LF	\$ 190.00	\$ 300,200.00	\$ 399.00	\$ 630,420.00	\$ 224.00	\$ 353,920.00	\$ 161.50	\$ 255,170.00
6.7	10" Dia. PVC Gravity Sewer Main, ASTM D3034, SDR26 (10-12)	130	LF	\$ 200.00	\$ 26,000.00	\$ 455.00	\$ 59,150.00	\$ 256.00	\$ 33,280.00	\$ 208.50	\$ 27,105.00
7	Connect to Existing SSMH. Core MH and Use S.S. Flexible Boot. Coat Existing MH with a hydrogen sulfide resistant cementitious product containing calcium aluminates.	4	EA	\$ 10,000.00	\$ 40,000.00	\$ 27,000.00	\$ 108,000.00	\$ 11,115.00	\$ 44,460.00	\$ 36,443.00	\$ 145,772.00
8.1	4" Single Service Laterals	76	EA	\$ 1,500.00	\$ 114,000.00	\$ 5,600.00	\$ 425,600.00	\$ 3,093.00	\$ 235,068.00	\$ 4,165.00	\$ 316,540.00
8.2	6" Double Service Laterals	62	EA	\$ 2,000.00	\$ 124,000.00	\$ 7,000.00	\$ 434,000.00	\$ 4,883.00	\$ 302,746.00	\$ 5,207.00	\$ 322,834.00
9.1	Sanitary Sewer Manhole (4-6)	4	EA	\$ 8,000.00	\$ 32,000.00	\$ 9,000.00	\$ 36,000.00	\$ 8,425.00	\$ 33,700.00	\$ 11,975.00	\$ 47,900.00
9.2	Sanitary Sewer Manhole (6-8)	13	EA	\$ 10,000.00	\$ 130,000.00	\$ 12,000.00	\$ 156,000.00	\$ 9,486.00	\$ 123,318.00	\$ 14,578.00	\$ 189,514.00
9.3	Sanitary Sewer Manhole (8-10)	7	EA	\$ 15,000.00	\$ 105,000.00	\$ 12,000.00	\$ 84,000.00	\$ 10,229.00	\$ 71,603.00	\$ 20,825.00	\$ 145,775.00
9.4	Sanitary Sewer Manhole (10-12)	1	EA	\$ 17,500.00	\$ 17,500.00	\$ 15,000.00	\$ 15,000.00	\$ 14,169.00	\$ 14,169.00	\$ 26,061.00	\$ 26,061.00
Subtotal: Wastewater Collection System				\$ 1,897,000.00	\$ 1,897,000.00	\$ 4,037,110.00	\$ 4,037,110.00	\$ 2,435,084.00	\$ 2,435,084.00	\$ 2,429,326.00	\$ 2,429,326.00
Water Distribution System											
10	8" Dia. PVC Water Main, AWWA C900, DR18	650	LF	\$ 150.00	\$ 97,500.00	\$ 90.00	\$ 58,500.00	\$ 102.00	\$ 66,300.00	\$ 159.00	\$ 103,350.00
11.1	10" Tapping Sleeve and Valve	1	EA	\$ 10,000.00	\$ 10,000.00	\$ 7,500.00	\$ 7,500.00	\$ 6,674.85	\$ 6,674.85	\$ 19,178.00	\$ 19,178.00
11.2	8" Tapping Sleeve and Valve	1	EA	\$ 8,000.00	\$ 8,000.00	\$ 7,500.00	\$ 7,500.00	\$ 3,937.05	\$ 3,937.05	\$ 12,183.00	\$ 12,183.00
12	Connect to Existing 2" Water Main	5	EA	\$ 2,500.00	\$ 12,500.00	\$ 7,500.00	\$ 37,500.00	\$ 4,446.00	\$ 22,230.00	\$ 7,133.00	\$ 35,665.00
13.1	Fire Hydrant Assembly Installation on Proposed 8" Water Main	2	EA	\$ 10,000.00	\$ 20,000.00	\$ 9,500.00	\$ 19,000.00	\$ 8,584.00	\$ 17,168.00	\$ 16,139.00	\$ 32,278.00
13.2	Fire Hydrant Assembly Installation on Existing 8" Water Main	5	EA	\$ 10,000.00	\$ 50,000.00	\$ 9,500.00	\$ 47,500.00	\$ 8,584.00	\$ 42,920.00	\$ 19,263.00	\$ 96,315.00
Subtotal: Water Distribution System				\$ 198,000.00	\$ 198,000.00	\$ 177,500.00	\$ 177,500.00	\$ 159,229.90	\$ 159,229.90	\$ 298,969.00	\$ 298,969.00
Removal And Replacement											
14	Remove and Replace Existing Asphalt Pavement	14,300	SY	\$ 75.00	\$ 1,072,500.00	\$ 84.00	\$ 1,201,200.00	\$ 123.00	\$ 1,758,900.00	\$ 52.50	\$ 750,750.00
15	Mill and Replace Existing Asphalt Pavement	6,300	SY	\$ 50.00	\$ 315,000.00	\$ 75.00	\$ 472,500.00	\$ 129.00	\$ 812,700.00	\$ 52.50	\$ 330,750.00
16	Remove and Replace Existing Gravel	900	SY	\$ 25.00	\$ 22,500.00	\$ 75.00	\$ 67,500.00	\$ 41.00	\$ 36,900.00	\$ 73.00	\$ 65,700.00
17	Remove and Replace Existing Concrete	260	SY	\$ 75.00	\$ 19,500.00	\$ 250.00	\$ 65,000.00	\$ 176.00	\$ 45,760.00	\$ 729.00	\$ 189,540.00
18	Remove and Replace Existing Fence	2,500	LF	\$ 50.00	\$ 125,000.00	\$ 100.00	\$ 250,000.00	\$ 45.00	\$ 112,500.00	\$ 26.50	\$ 66,250.00
19	Remove and Replace Existing Mailbox	219	EA	\$ 150.00	\$ 32,850.00	\$ 175.00	\$ 38,325.00	\$ 293.00	\$ 64,167.00	\$ 52.50	\$ 11,497.50
Subtotal: Removal And Replacement				\$ 1,587,350.00	\$ 1,587,350.00	\$ 2,094,525.00	\$ 2,094,525.00	\$ 2,830,927.00	\$ 2,830,927.00	\$ 1,414,487.50	\$ 1,414,487.50
Additional Work Items											
20	Existing Manhole Rehabilitation	3	EA	\$ 7,500.00	\$ 22,500.00	\$ 15,000.00	\$ 45,000.00	\$ 9,945.00	\$ 29,835.00	\$ 7,810.00	\$ 23,430.00
21	Existing Manhole Coating	3	EA	\$ 7,500.00	\$ 22,500.00	\$ 12,000.00	\$ 36,000.00	\$ 9,945.00	\$ 29,835.00	\$ 2,083.00	\$ 6,249.00
22	Flowable Fill	100	CY	\$ 400.00	\$ 40,000.00	\$ 450.00	\$ 45,000.00	\$ 410.00	\$ 41,000.00	\$ 313.00	\$ 31,300.00
23.1	Storm Conflict Resolution	5	EA	\$ 15,000.00	\$ 75,000.00	\$ 15,000.00	\$ 75,000.00	\$ 12,870.00	\$ 64,350.00	\$ 15,619.00	\$ 78,095.00
23.2	Gas Main Conflict Resolution	5	EA	\$ 8,000.00	\$ 40,000.00	\$ 15,000.00	\$ 75,000.00	\$ 17,550.00	\$ 87,750.00	\$ 2,604.00	\$ 13,020.00
23.3	Water Main Conflict Resolution	5	EA	\$ 2,000.00	\$ 10,000.00	\$ 15,000.00	\$ 75,000.00	\$ 8,775.00	\$ 43,875.00	\$ 13,016.00	\$ 65,080.00
23.4	Sanitary Main Conflict Resolution	5	EA	\$ 2,000.00	\$ 10,000.00	\$ 15,000.00	\$ 75,000.00	\$ 11,115.00	\$ 55,575.00	\$ 20,825.00	\$ 104,125.00
24	Tree Trimming	20	EA	\$ 250.00	\$ 5,000.00	\$ 2,500.00	\$ 50,000.00	\$ 1,404.00	\$ 28,080.00	\$ 261.00	\$ 5,220.00
25	Tree Removal	10	EA	\$ 500.00	\$ 5,000.00	\$ 3,000.00	\$ 30,000.00	\$ 4,212.00	\$ 42,120.00	\$ 521.00	\$ 5,210.00
26	Residential Water Service Tie-In	5	EA	\$ 2,000.00	\$ 10,000.00	\$ 1,785.00	\$ 8,925.00	\$ 4,446.00	\$ 22,230.00	\$ 2,083.00	\$ 10,415.00
27	Unsuitable Soils Removal	1000	CY	\$ 200.00	\$ 200,000.00	\$ 75.00	\$ 75,000.00	\$ 59.00	\$ 59,000.00	\$ 11.00	\$ 11,000.00
Subtotal: Additional Work Items				\$ 440,000.00	\$ 440,000.00	\$ 589,925.00	\$ 589,925.00	\$ 503,650.00	\$ 503,650.00	\$ 353,144.00	\$ 353,144.00
SUBTOTAL				\$ 4,692,350.00	\$ 4,692,350.00	\$ 7,569,560.00	\$ 7,569,560.00	\$ 6,919,540.90	\$ 6,919,540.90	\$ 4,658,360.50	\$ 4,658,360.50
CONTINGENCY (25%)				\$ 1,173,087.50	\$ 1,173,087.50						
TOTAL				\$ 5,865,437.50	\$ 5,865,437.50	\$ 7,569,560.00	\$ 7,569,560.00	\$ 6,919,540.90	\$ 6,919,540.90	\$ 4,658,360.50	\$ 4,658,360.50

A.1	Bid Alternate - Remove and Replace all Existing Asphalt Pavement in lieu of partial Mill and Replace Existing Asphalt Pavement (A.1 replaces items #14 and #15)	20,600	SY		\$ 75.68	\$ 1,559,008.00	\$ 120.00	\$ 2,472,000.00	\$ 47.00	\$ 968,200.00
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Base Bid with Alternative A.1

				\$ 7,454,868.00	\$ 6,819,940.90	\$ 4,545,060.50
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Brunswick-Glynn

Joint Water and Sewer Commission

Memorandum

To: Facilities Committee
From: Andrew Burroughs, Executive Director
Date: Wednesday, April 17, 2024
Re: Pump Station 4105 Pumps Purchase

Background:

The JWSC operates PS 4105 on Winstead Drive off Cate Road that handles sanitary sewer flows from the Exit 38 area. The station is scheduled for a force main replacement and electrical upgrades through a funded capital project. However, the existing pumps in the station have reached the end of their useful life and need replacement.

Staff Report

Staff requested a quote for in-kind replacement pumps for PS 4105 from Xylem Water Solutions for two 20 hp Flygt submersible pumps. The cost for these two replacement pumps is \$36,856.40. Upon completion of the force main and station upgrades, these pumps can be relocated to PS 4109 on Glymco Parkway for replacement of the existing pumps at that station which are approaching 20 years of age. This purchase is funded from the Systems Pumping & Maintenance Operations budget.

Recommended Action

Staff recommends purchasing two (2) Flygt pumps from Xylem Water Solutions for a cost of \$36,856.40. These pumps are the direct replacement models of the existing pumps and can be relocated to replace other aged assets upon completion of the funded capital project at PS 4105.

Recommended Motion

"I move that the Facilities Committee recommend approval of the purchase of two new Flygt submersible pumps for Pump Station 4105 from Xylem Water Solutions USA, Inc. in the amount of \$36,856.40."

Enclosures

Pump Purchase Quote



Xylem Water Solutions USA, Inc.
Flygt Products

March 12, 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-0095
Project Name: Brunswick LS4105 replacement
Job Name:

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

Pumps

Qty	Part Number	Description
2	3153.185-0230	Flygt Model NP-3153.185 4" volute Submersible pump equipped with a 230 Volt / 3 phase / 60 Hz 20 HP 1750 RPM motor, 462 impeller, 1 x 50 Ft. length of SUBCAB 4G16+S(2x0,5) submersible cable, FLS leakage detector, volute is prepared for Flush Valve

Total Price \$ 34,686.40

Freight Charge \$ 2,170.00

Total Price \$ 36,856.40

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-0095
Customer Name: BRUNSWICK-GLYNN JNT SWR & WTR
Job Name:
Total Amount: \$ 34,686.40
(excluding freight)

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

NP 3153 HT 3~ 462

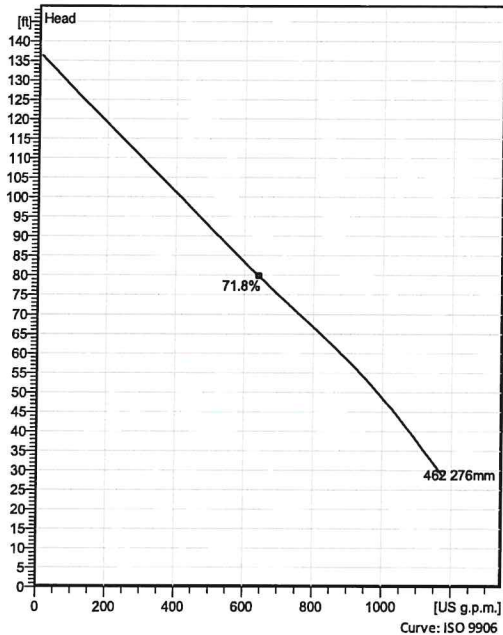
Patented self cleaning semi-open channel impeller, ideal for pumping in waste water applications. Modular based design with high adaptation grade.



Technical specification



Curves according to: Water, pure Water, pure [100%], 39.2 °F, 62.43 lb/ft³, 1.6888E-5 ft²/s



Nominal (mean) data shown. Under- and over-performance from this data should be expected due to standard manufacturing tolerances. Please consult your local Flygt representative for performance guarantees.

Configuration

Motor number	Installation type
N3153.185 21-18-4AA-W	P - Semi permanent, Wet
20hp	
Impeller diameter	Discharge diameter
276 mm	4 inch

Pump information

Impeller diameter
276 mm
Discharge diameter
4 inch
Inlet diameter
150 mm
Maximum operating speed
1755 rpm
Number of blades
2
Max. fluid temperature
40 °C

Material

Impeller
Hard-Iron™

Project Xylect-21929847
Block

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NP 3153 HT 3~ 462

Technical specification



Motor - General

Motor number N3153.185 21-18-4AA-W 20hp	Phases 3~	Rated speed 1755 rpm	Rated power 20 hp
ATEX approved No	Number of poles 4	Rated current 52 A	Stator variant 5
Frequency 60 Hz	Rated voltage 230 V	Insulation class H	Type of Duty S1
Version code 185			

Motor - Technical

Power factor - 1/1 Load 0.83	Motor efficiency - 1/1 Load 87.5 %	Total moment of inertia 2.38 lb ft ²	Starts per hour max. 30
Power factor - 3/4 Load 0.77	Motor efficiency - 3/4 Load 89.0 %	Starting current, direct starting 296 A	
Power factor - 1/2 Load 0.66	Motor efficiency - 1/2 Load 89.0 %	Starting current, star-delta 98.6 A	

Project Xylect-21929847
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NP 3153 HT 3~ 462

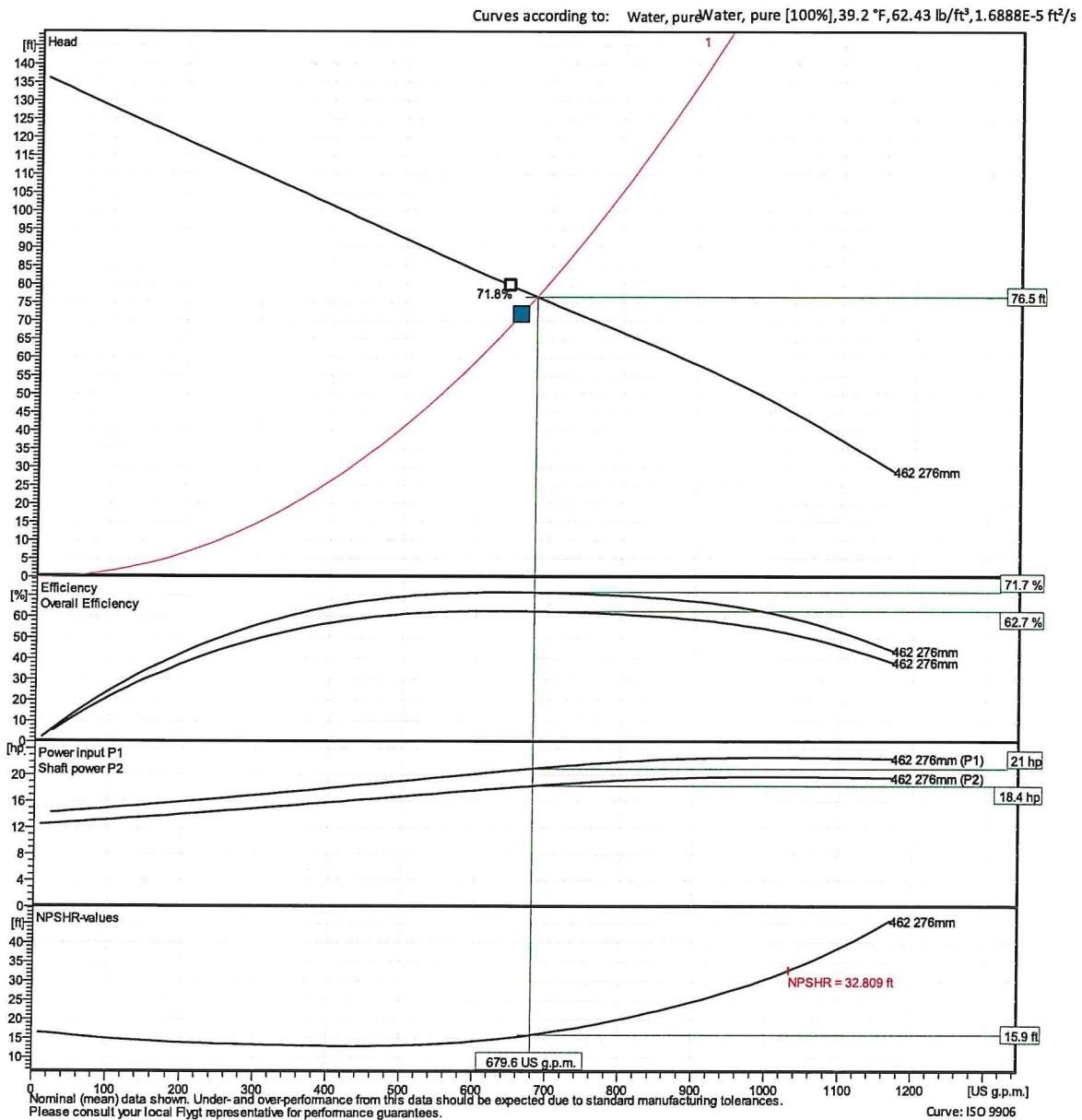
Performance curve



Duty point

Flow
680 US g.p.m.

Head
76.5 ft



Xylect-21929847

scott adams

Created on 2/29/2024 Last update

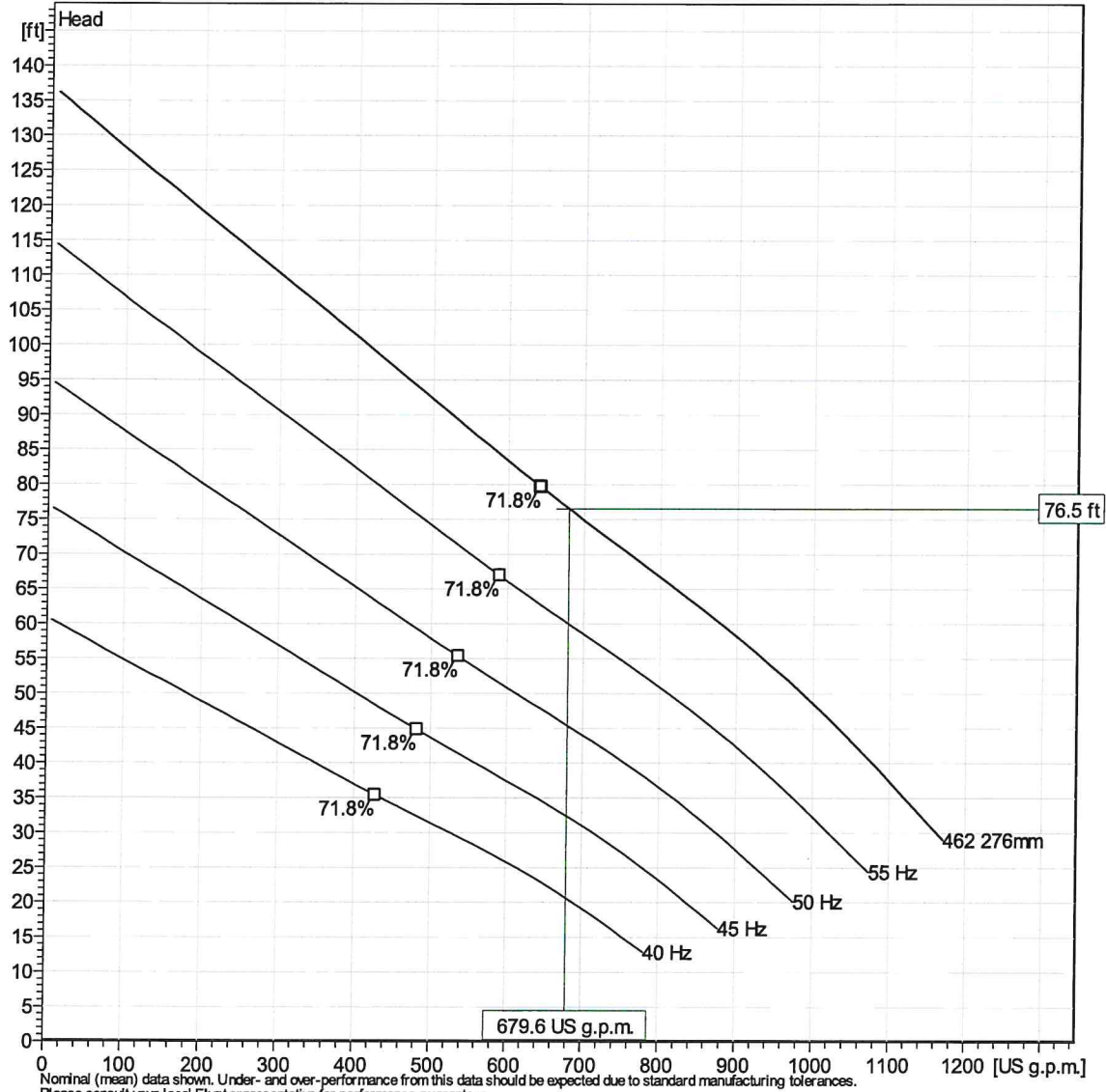
2/29/2024

NP 3153 HT 3~ 462

Duty Analysis



Curves according to: Water, pure [100%] ; 39.2°F; 62.428lb/ft³; 1.6889E-5ft²/s



Operating characteristics

Pumps / Systems	Flow US g.p.m.	Head ft	Shaft power hp	Flow US g.p.m.	Head ft	Shaft power hp	Hydr.eff.	Spec. Energy kWh/US MG	NPSHre ft
1	680	76.5	18.4	680	76.5	18.4	71.7 %	384	15.9

Project
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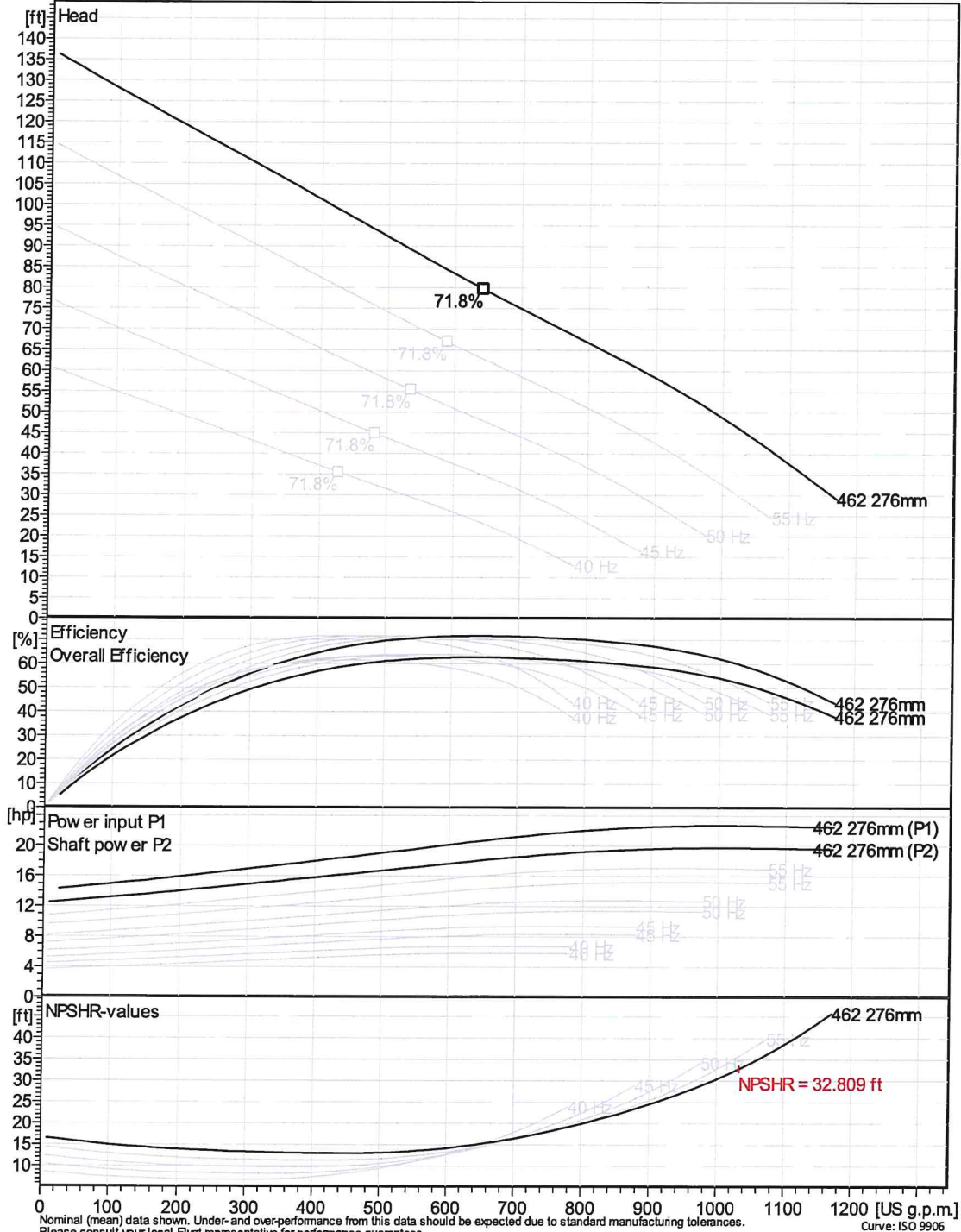
Created by scott adams
Created on 2/29/2024
Last update 2/29/2024

NP 3153 HT 3~ 462

VFD Curve



Curves according to: Water, pure, 39.2 °F, 62.43 lb/ft³, 1.6888E-5 ft²/s

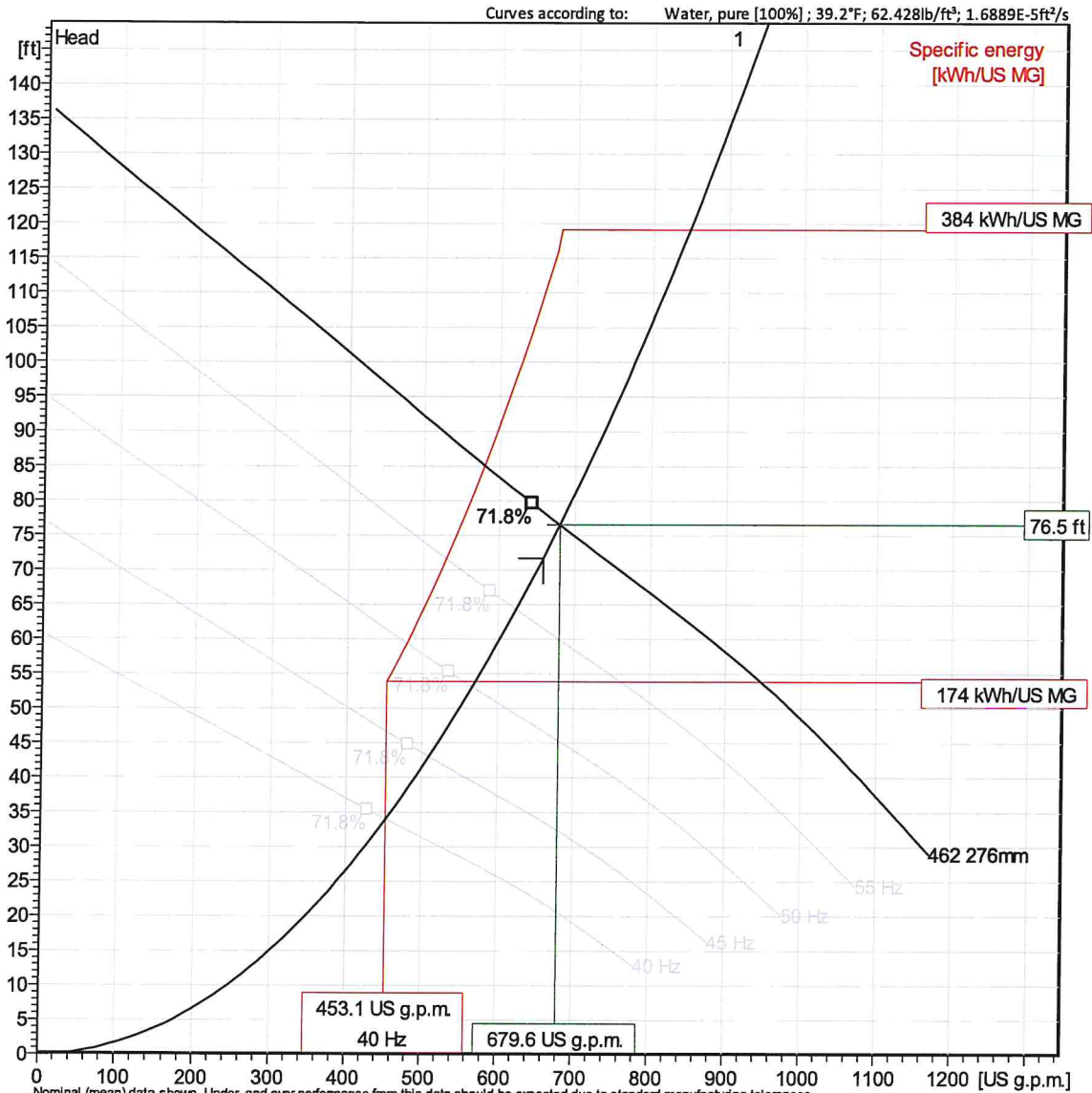


Project Xylect-21929847
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Created on 2/29/2024 Last update 2/29/2024

NP 3153 HT 3~ 462

VFD Analysis



Operating Characteristics

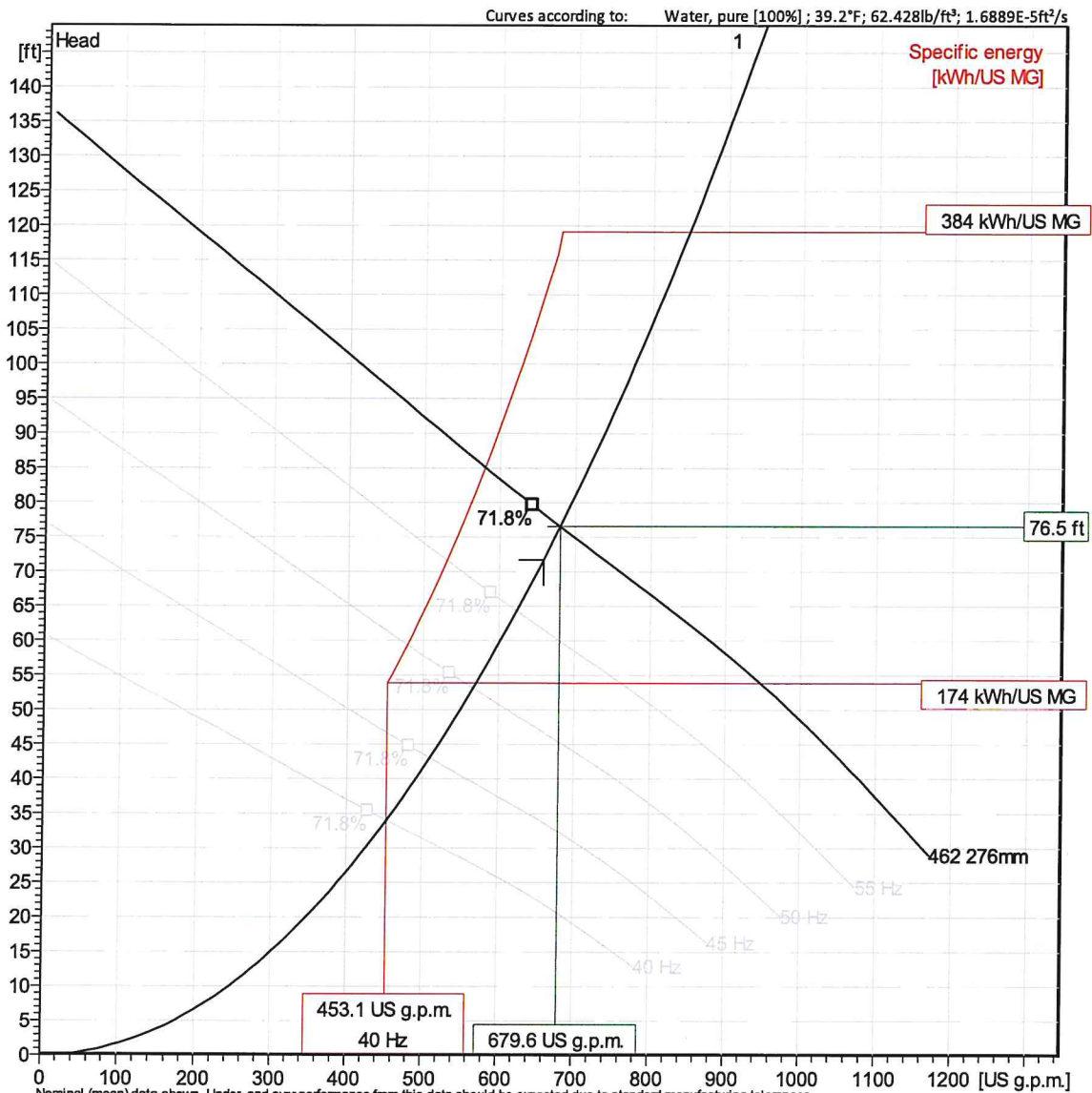
Pumps / Systems	Frequency	Flow	Head	Shaft power	Flow	Head	Shaft power	Hydr. eff.	Specific energy	NPSHre
		US g.p.m.	ft	hp	US g.p.m.	ft	hp		kWh/US MG	ft
1	60 Hz	680	76.5	18.4	680	76.5	18.4	71.7 %	384	15.9
1	55 Hz	623	64.3	14.1	623	64.3	14.1	71.7 %	316	13.8
1	50 Hz	566	53.2	10.6	566	53.2	10.6	71.7 %	261	11.9
1	45 Hz	510	43.1	7.75	510	43.1	7.75	71.7 %	214	10

Project Xylect-21929847
Block

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Last update 2/29/2024

NP 3153 HT 3~ 462

VFD Analysis



Operating Characteristics

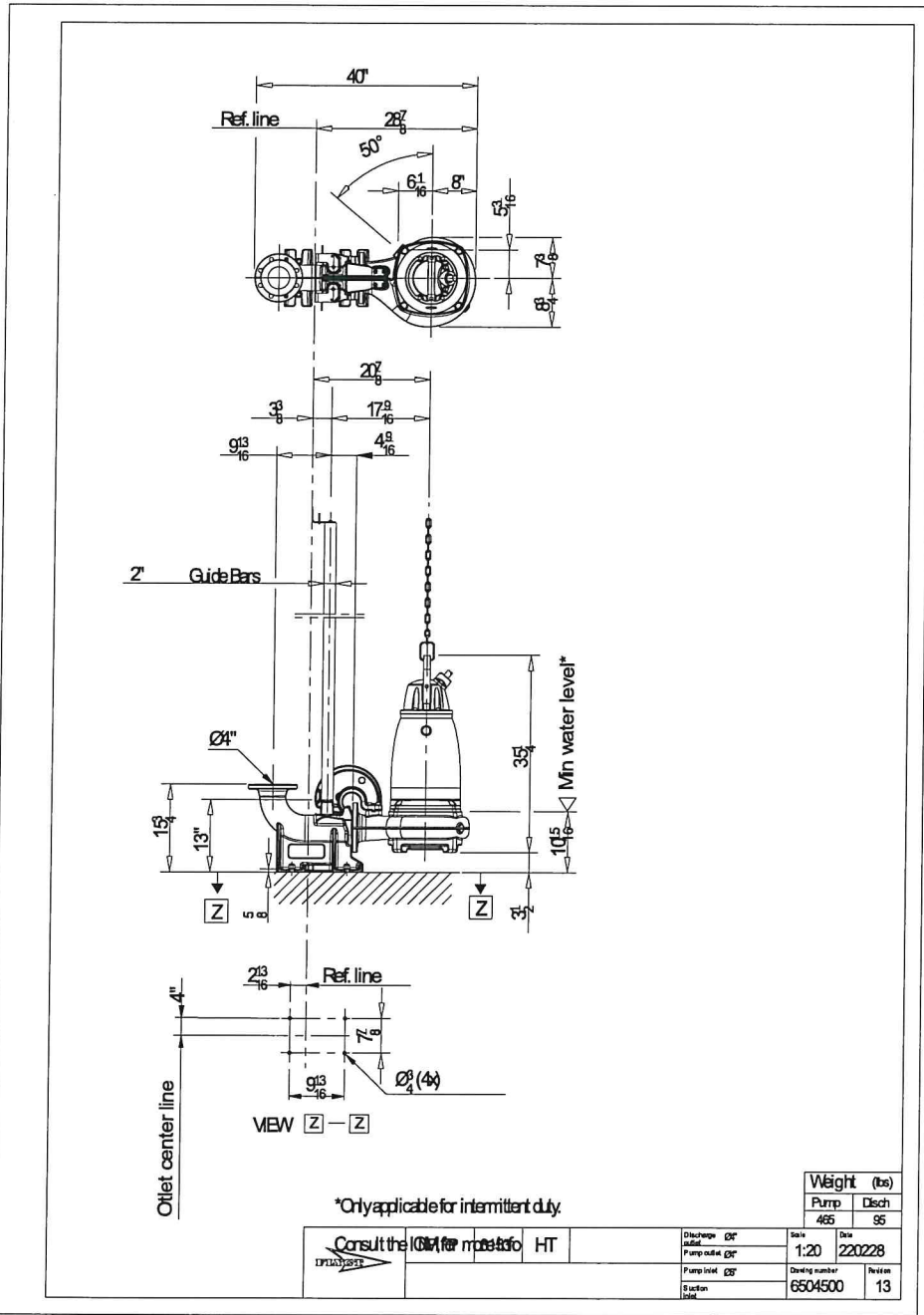
Pumps / Systems	Frequency	Flow US g.p.m.	Head ft	Shaft power hp	Flow US g.p.m.	Head ft	Shaft power hp	Hydr. eff.	Specific energy kWh/US MG	NPSHr ft
1	40 Hz	453	34	5.44	453	34	5.44	71.7 %	174	8.31

Project Xylect-21929847
Block

Created by scott adams
Created on 2/29/2024

Last update 2/29/2024

Dimensional drawing



2/29/2024



Brunswick-Glynn

Joint Water and Sewer Commission

Memorandum

To: Facilities Committee
From: Andrew Burroughs, Executive Director
Date: Wednesday, April 17, 2024
Re: Contract Award – Academy Creek Influent Pump Station Pump Base Repairs

Background:

The Academy Creek Influent Pump Station contains four pump bases that are fixed to the floor of the wet well. When pumps are installed, they are slid down guide rails and are seated onto these bases. In September 2023, BGJWSC ordered two new influent pumps that are scheduled for delivery in early May. Staff had condition inspections performed on the pump bases. Upon inspection, it was determined that the pump bases were no longer properly affixed to the wet well, causing the pumps not to seat correctly, increasing vibration on the pump, and reducing pump capacity and pump lifespan.

Staff Report

Staff requested a quote from BRW Construction Group, LLC to perform rehab of the concrete and pump bases as necessary to properly install these bases in advance of the new pumps being delivered. In addition, staff wishes to perform the same tasks on the remaining two pump bases once the new pumps are installed. This work will improve pumping efficiency and reduce wear and tear on the influent pumps. BRW performed similar work at the Dunbar Creek WPCF during the ongoing construction project. BRW provided a quote of \$49,192.00 to perform the work and has confirmed that the work can be completed in advance of the new pump deliveries in early May.

This item will be funded from the Academy Creek operations budget.

Recommended Action

Staff recommends entering into a contract with BRW Construction Group, LLC to perform rehab on the influent pump bases at Academy Creek Water Pollution Control Facility in the amount of \$49,192.00.

Recommended Motion

“I move that the Facilities Committee recommend entering into a contract with BRW Construction Group, LLC to perform rehab on the influent pump bases at Academy Creek Water Pollution Control Facility in the amount of \$49,192.00.”

Enclosures

Quote

Date: 4/9/24

To: Mr. David Grantham
Brunswick-Glynn Joint
Water & Sewer Commission
1703 Gloucester St
Brunswick, GA 31520
dgrantham@bgjwsc.org

RE: Academy Creek Influent Pump Station
Pump Base Repair (REVISED)

Mr. Grantham,

BRW would like to thank you for the opportunity to offer pricing for the referenced project. Our price includes all labor, material, and equipment necessary to complete the work per the scope described.

SCOPE OF WORK

- Remove existing pump bases from pump station wet well.
- Modify existing 16" discharge pipe (raise pump base)
- Modify existing lower guiderail support (core hose in base/floor)
- Reset existing pump bases (4) on stainless steel plate washers (replace existing anchors as necessary)
- Pour new concrete base to support pump bases
- Assist BGJWSC with cleaning of the wet well.

TOTAL.....\$49,192.00

Thank you for the opportunity and please do not hesitate to call if you have any questions.

Best Regards,
BRW Construction Group

Robert K. Beck
Project Manager



Brunswick-Glynn

Joint Water and Sewer Commission

Memorandum

To: Facilities Committee
From: Todd Kline, P.E., Director of Engineering
Date: Wednesday, April 17, 2024
Re: Easement and Infrastructure Dedication
1) Grace Crossing Phase 2B – 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 Developer of the Grace Crossing single family development described herein, wishes to convey an easement, and dedicate infrastructure.

Staff Report

Solid Rock Holdings LLC, Owner of Record of the infrastructure described within, has submitted legal documents to: 1) define and execute the transfer of ownership; and, 2) convey an easement 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 the easement and dedication of infrastructure described herein.

Recommended Motion

"I move that the Facilities Committee recommend the full Commission approve and accept this project with associated documentation."

Enclosures

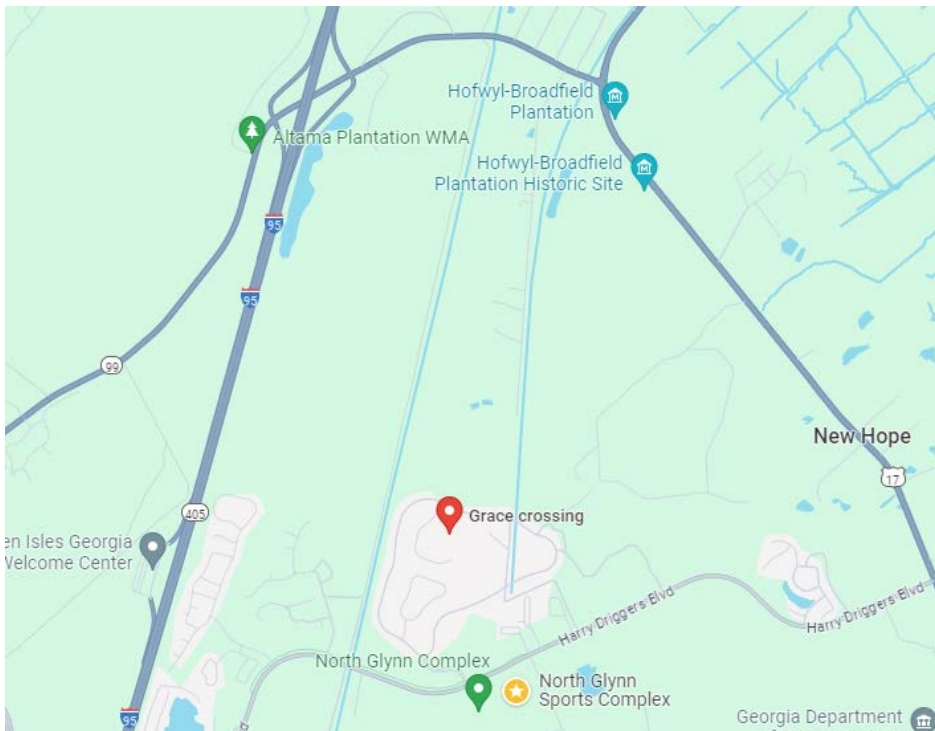
Grace Crossing Phase 2B

- 1) Dedication of Water/Sewer Infrastructure Application
- 2) Easement w. Legal Description for Infrastructure on Private ROWs
- 3) Record Drawings

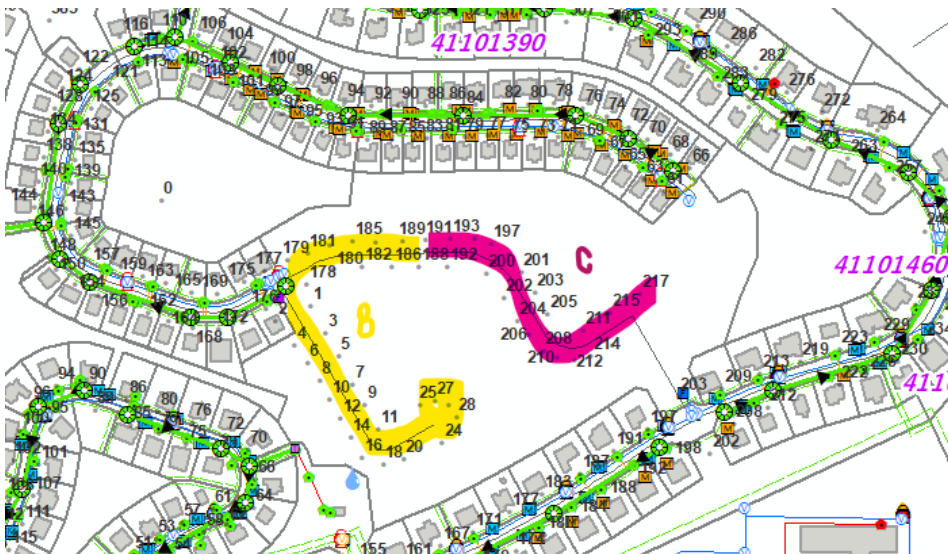
1) GRACE CROSSING PHASE 2B – 14 Kadie Anna Lane, Brunswick GA

Owner of Record	Grace Crossing Phase 2B (Solid Rock Holdings LLC)
Legal Documents under Consideration	<ol style="list-style-type: none">1. Dedication of Infrastructure Application<ul style="list-style-type: none">• Water = 1,572 linear feet of 8-inch SDR26 PVC• Gravity Main = 1,435 linear feet of 8-inch DR18 C9002. Easement over Private ROWs
Supporting Documents	Final Record Drawings
# of New Connections	30 Single Family Residential

Location Map – 14 Kadie Anna Lane, Brunswick GA



GIS Map – To be Updated following Acceptance of Infrastructure





Application for Dedication of Water/Wastewater Systems

Part A: Statement of Intention

REVIEWED

By TIMOTHY L. RANSOM at 11:54 am, Apr 10, 2024

APPROVED

By TIMOTHY L. RANSOM at 11:55 am, Apr 10, 2024

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

Sub-division heretofore known as Grace Crossing Phase 2 B; the current

Owner(s) of the system, being Solid Rock Holdings, LLC, located

at 324 S Fifth St, Jesup, GA 31545, 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 1,572 linear feet as constructed, is estimated to be \$ 108,894.

The Fair Value (Cost Basis) of the installed **sanitary sewer system**, which is approximately 1,435 linear feet, is estimated to be \$ 158,475.

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

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

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): 03/26/2024

(INSERT ENGINEER SEAL)



Part E: Owner/Developer Certification

I/We, Solid Rock Holdings 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.): <u>Solid Rock Holdings LLC</u>	
Printed Name of Grantor Representative: <u>Wayne Moxley</u>	
Title of Grantor: <u>Owner</u>	
Signature of Grantor: <u>Wayne G Moxley</u>	Date Signed (mm/dd/yyyy): <u>03/28/2024</u>

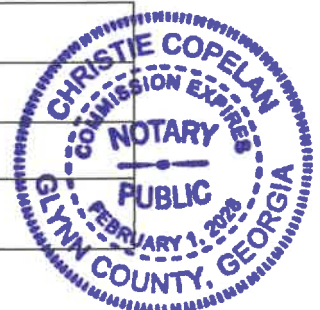
Only if this is a Corporation, include name of someone to Attest and insert the Corporate Seal
Otherwise skip to Notary

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):	<u>3-28-2024</u>
In the presence of (printed Name of Notary):	<u>Christie Copelan</u>
Signature of Notary Public:	<u>Christie Copelan</u>
Date Notary Commission Expires (mm/dd/yyyy):	<u>2-1-28</u>



ACCEPTED BY BRUNSWICK GLYNN JOINT WATER & SEWER COMMISSION

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

(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 **SOLID ROCK HOLDINGS, LLC** , a Georgia Limited Liability Company , (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.

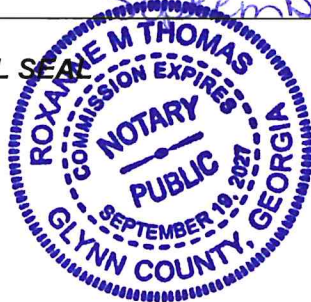
IN WITNESS WHEREOF, the said Grantor has set their hand and affixed their seal of the undersigned and delivered these presents on this the day and year first above written.

Printed Name of Grantor: Wayne Moxley, Solid Rock Co., Inc.	
Title of Grantor: CEO	
Signature of Grantor: 	Date Signed: 4-10-24

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

Printed Name of Unofficial Witness: Gary R. NEVILL
Signature of Unofficial Witness: 
Signed, sealed and delivered on this 10 day of April, 20 24 and in the presence of:
Signature of Notary Public: Roxanne M. Thomas
My Commission Expires: September 19, 2027

STAMP NOTARIAL SEAL



ACCEPTED THIS _____ DAY
OF _____, 20_____.

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

By:

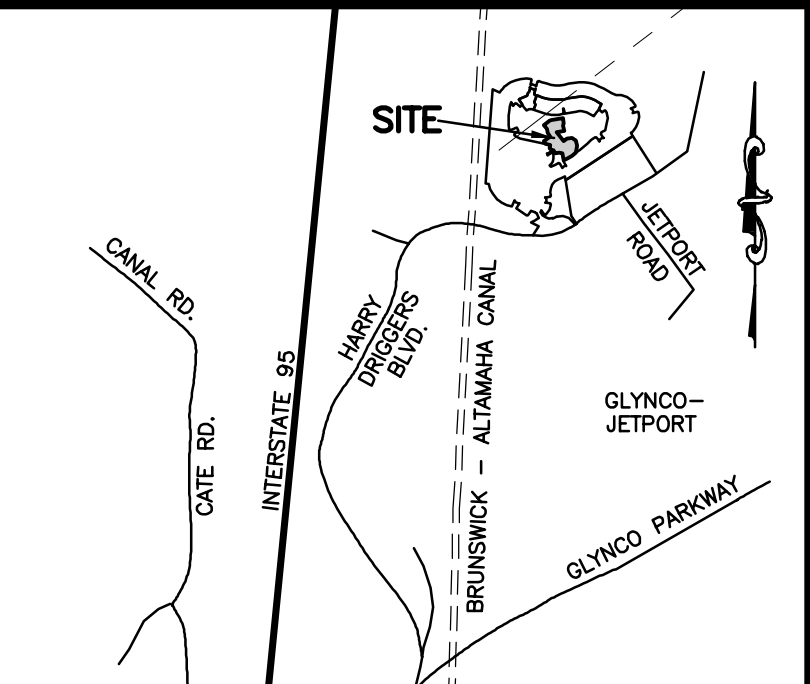
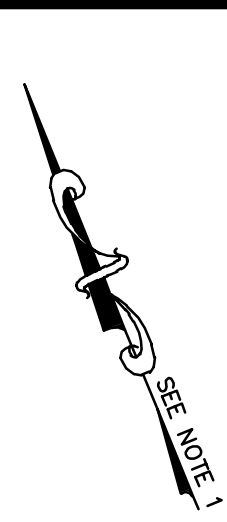
Name:
Chairman

Attest to:

Name:
Commission Clerk

EXHIBIT A

ALL THAT CERTAIN LOT, TRACT OR PARCEL OF LAND SITUATE, LYING AND BEING IN GLYNN COUNTY, GEORGIA, MORE PARTICULARLY DESCRIBED AND IDENTIFIED AS "KADIE ANNA LANE" (60' PRIVATE R/W) AND "ALLIE LOOP" (60' PRIVATE R/W) ON A SURVEY PLAT BY SHUPE SURVEYING COMPANY, GARY R. NEVILL, GA. P.L.S. NO. 2224, TITLED "FINAL PLAT OF: GRACE CROSSING AT CARRIAGE GATE PLANTATION, PHASE 2B", DATED MARCH 18, 2024; WHICH SURVEY PLAT IS TO BE RECORDED CONTEMPORANEOUSLY HERewith.



VICINITY MAP (NOT TO SCALE)

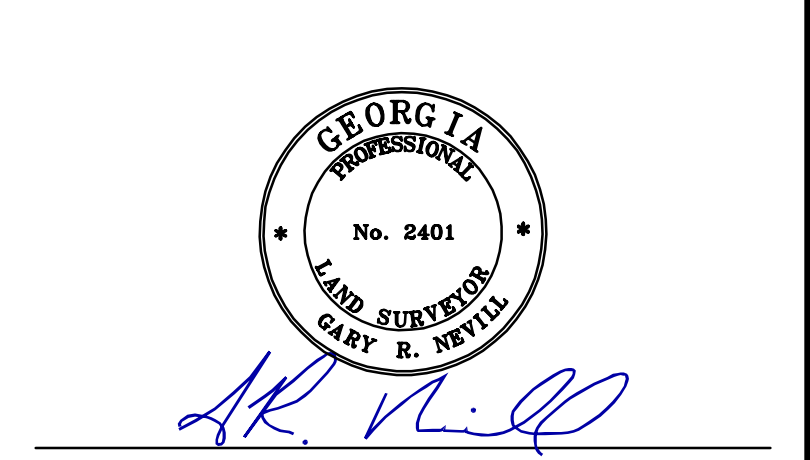
THIS DOCUMENT AND ALL REPRODUCIBLE COPIES OF THIS DOCUMENT ARE THE PROPERTY OF SHUPE SURVEYING COMPANY, P.C. REPRODUCTION OF THIS DOCUMENT IS NOT PERMITTED WITHOUT WRITTEN CONSENT OF SHUPE SURVEYING COMPANY, P.C. UNLESS THIS DOCUMENT BECOMES A MATTER OF PUBLIC RECORD. ALTERATIONS TO THIS DOCUMENT ARE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

LEGEND:

- CIRS 1/2" CAPPED IRON REBAR SET (SSC PC LSF 317)
- CIRF 1/2" CAPPED IRON REBAR FOUND (SSC PC LSF 317)
- CMS CONCRETE MONUMENT SET
- CMF CONCRETE MONUMENT FOUND
- ⊕ BENCH MARK NAIL & WASHER IN CURB. ELEV=16.60' (NAVD-88)
- 97 STREET ADDRESS

SURVEYOR'S RECORDING CERTIFICATION

AS REQUIRED BY SUBSECTION (d) OF O.C.G.A. SECTION 15-6-67, THIS PLAT HAS BEEN PREPARED BY A LAND SURVEYOR AND APPROVED BY ALL APPLICABLE LOCAL JURISDICTIONS FOR RECORDING AS EVIDENCED BY APPROVAL CERTIFICATES, SIGNATURES, STAMPS, OR STATEMENTS HEREON. SUCH APPROVALS OR AFFIRMATIONS SHOULD BE CONFIRMED WITH THE APPROPRIATE GOVERNMENTAL BODIES BY ANY PURCHASER OR USER OF THIS PLAT AS TO INTENDED USE OF ANY PARCEL. FURTHERMORE, THE UNDERSIGNED LAND SURVEYOR CERTIFIES, TO THE BEST OF HIS KNOWLEDGE AND BELIEF, THAT THIS PLAT COMPLIES WITH THE MINIMUM TECHNICAL STANDARDS FOR PROPERTY SURVEYS IN GEORGIA AS SET FORTH IN THE RULES AND REGULATIONS OF THE GEORGIA BOARD OF REGISTRATION FOR PROFESSIONAL ENGINEERS AND LAND SURVEYORS AND AS SET FORTH IN O.C.G.A. SECTION 15-6-67.

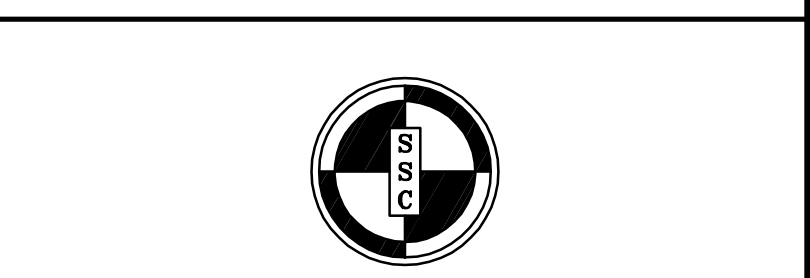


GARY R. NEVILL, GA. P.L.S. # 2401

NO.	REVISION	BY	DATE
1	REVISED PER COMMENTS	JCH	4/09/24

FINAL PLAT OF:
**GRACE CROSSING
AT CARRIAGE GATE
PLANTATION, PHASE 2B**
26TH G.M.D,
GLYNN COUNTY, GEORGIA

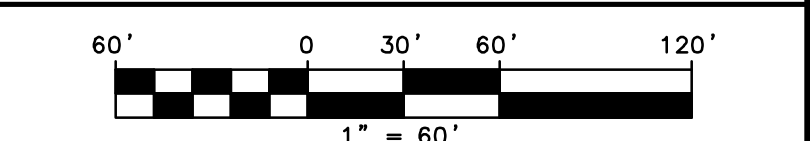
PREPARED FOR:
SOLID ROCK HOLDINGS, LLC



SHUPE SURVEYING COMPANY, P.C.

3837 DARIEN HIGHWAY
BRUNSWICK, GA 31525
912-265-0562

CERTIFICATE OF AUTHORIZATION: LSF317



SCALE	1" = 60'	PLAT DATE	03/19/2024
FILE	20041K	DRAWN BY	JCH
DRAWING	20041K-3.DWG	CREW CHIEF	N/A

REFERENCES:

- PLAT BY THIS FIRM, TITLED "FINAL PLAT OF: PHASE 1, CARRIAGE GATE PLANTATION", DATED 08/06/06, RECORDED IN PLAT CABINET 2, PAGES 270A-270D.
- PLAT BY THIS FIRM TITLED "FINAL PLAT OF: GRACE CROSSING AT CARRIAGE GATE PLANTATION, PHASE 1A", DATED 03/24/2021, RECORDED IN PLAT BOOK 35, PAGE 211.
- PLAT BY THIS FIRM TITLED "FINAL PLAT OF: GRACE CROSSING AT CARRIAGE GATE PLANTATION, PHASE 1B", DATED 05/11/2021, RECORDED IN PLAT BOOK 35, PAGE 225.

NOTES:

- BEARINGS SHOWN ON THIS SURVEY ARE BASED ON THE RECORDED SUBDIVISION PLAT FOR CARRIAGE GATE PLANTATION, PHASE 1. SEE REFERENCE 2C.
- FIELD EQUIPMENT USED FOR THIS PLAT: LEICA TS-12.
- THE FIELD DATA UPON WHICH THIS PLAT WAS BASED HAS A RELATIVE POSITIONAL TOLERANCE OF 0.05 FEET AT THE 95% CONFIDENCE LEVEL AND WAS ADJUSTED USING LEAST SQUARES METHOD.
- THIS PLAT HAS BEEN CALCULATED FOR CLOSURE AND IS FOUND TO BE ACCURATE WITHIN 1' IN 174,190'.
- THE ADJOINING LAND OWNERS AND CURRENT OWNERSHIP OF THE SUBJECT PROPERTY SHOWN ON THIS SURVEY WERE TAKEN FROM THE GLYNN COUNTY GIS WEBSITE (WWW.GIS.GLYNN.NET/GA/GLYNN/). THE CURRENT OWNER IS SOLID ROCK HOLDINGS, LLC, (D.B. 4233, PG. 47).
- ACCORDING TO F.I.R.M. MAP NO. 13127C, PANEL 0115H, DATED 01/05/18, IT IS MY OPINION THAT THE PROPERTY SHOWN ON THIS PLAT LIES WITHIN ZONE "X" WHICH IS NOT IN A SPECIAL FLOOD HAZARD AREA.
- ZONE X (UNSHADED) - AREAS OF MINIMAL FLOOD HAZARD.
- THIS PLAT WAS PRODUCED WITHOUT THE BENEFIT OF A TITLE EXAMINATION.
- A 10' UTILITY EASEMENT IS RESERVED ADJACENT TO ALL ROAD RIGHTS-OF-WAY PER GLYNN COUNTY SUBDIVISION REGULATIONS, SECTION 605.1.
- IRON PINS AND CONCRETE MONUMENTS HAVE BEEN SET AT ALL CORNERS PER GLYNN COUNTY SUBDIVISION REGULATIONS EXCEPT AS SHOWN.
- FRESHWATER WETLANDS AND SALT MARSHES ARE UNDER THE JURISDICTION OF THE CORPS OF ENGINEERS AND/OR THE DEPARTMENT OF NATURAL RESOURCES. LOT OWNERS AND THE DEVELOPER MAY BE SUBJECT TO PENALTY BY LAW FOR DISTURBANCE TO THESE PROTECTED AREAS WITHOUT PROPER PERMIT APPLICATIONS AND APPROVAL. FRESHWATER WETLANDS AND SALT MARSHES WERE NOT SURVEYED AS PART OF THIS PROJECT.
- THE TERM "CERTIFICATION" AS USED IN BOARD RULE 180-6-.09(2) AND (3) AND RELATING TO PROFESSIONAL SURVEYING SERVICES AS DEFINED IN O.C.G.A. 43-15-2(6) AND (11) SHALL MEAN A SIGNED STATEMENT BASED UPON FACTS AND KNOWLEDGE KNOWN TO THE REGISTRANT AND IS NOT A GUARANTEE OR WARRANTY, EITHER EXPRESSED OR IMPLIED.
- THIS PROPERTY AND THE ADJACENT PROPERTIES ARE ZONED PD.

PER PD TEXT, SETBACK REQUIREMENTS FOR THIS SUBDIVISION ARE:(SHOWN)
FRONT 20'
SIDE 7'
REAR 7'

SETBACKS PER RESTRICTIVE COVENANTS:
FRONT 25'
SIDE 9'
REAR 20'
SIDE STREET 15'
REAR LAKE 20'
(FRONT SETBACK ORIENTATION FOR CORNER LOTS TO BE DETERMINED DURING SITE PLAN APPROVAL FOR THAT LOT)

13. AREAS:

RIGHTS-OF-WAY 1.884 ACRES
LOTS (30 LOTS) 7.757 ACRES
COMMON AREA 0.638 ACRES
TOTAL 10.279 ACRES

14. ROAD RIGHTS-OF-WAY & DRAINAGE SYSTEM SHOWN HEREON ARE PRIVATE AND WILL NOT MAINTAINED BY GLYNN COUNTY.

15. WATER AND SEWER SERVICES FOR THESE LOTS WILL BE PROVIDED BY THE BRUNSWICK-GLYNN COUNTY JOINT WATER AND SEWER COMMISSION. A WATER AND SEWER EASEMENT IS RESERVED TO THE BRUNSWICK - GLYNN COUNTY JOINT WATER AND SEWER COMMISSION OVER THE ROAD RIGHTS-OF-WAY SHOWN HEREON FOR ACCESS, MAINTENANCE AND REPAIR OF SAID WATER AND SEWER LINES.

16. IN ADDITION TO USES DETERMINED BY DEVELOPER, COMMON AREAS MAY BE USED FOR THE CONSTRUCTION AND MAINTENANCE OF SUBDIVISION DRAINAGE STRUCTURES, DITCHES AND LAGOONS AS REQUIRED.

17. OWNER/DEVELOPER:

SOLID ROCK HOLDINGS, LLC
324 SOUTH FIFTH STREET
JESUP, GA 31545
912-588-1968

CERTIFICATE OF APPROVAL BY THE PLANNING COMMISSION

PURSUANT TO THE SUBDIVISION REGULATIONS OF GLYNN COUNTY, GEORGIA, ALL REQUIREMENTS HAVE BEEN FULFILLED AND THIS PLAT IS RECOMMENDED FOR APPROVAL.

THIS THE ____ DAY OF _____, 20 ____

DIRECTOR OF GLYNN COUNTY COMMUNITY DEVELOPMENT

CERTIFICATE OF APPROVAL BY THE BOARD OF COMMISSIONERS

IT IS HEREBY CERTIFIED THAT THE BOARD OF COMMISSIONERS, GLYNN COUNTY, GEORGIA HAS OFFICIALLY APPROVED THIS PLAT.

THIS THE ____ DAY OF _____, 20 ____

COUNTY ADMINISTRATOR

CERTIFICATE OF COMPLIANCE AND APPROVAL OF REQUIRED IMPROVEMENTS AND/OR PERFORMANCE BOND

IT IS HEREBY CERTIFIED THAT I, AS ENGINEER FOR GLYNN COUNTY, GEORGIA, HAVE EXAMINED THIS PLAT AND THAT IT COMPLIES IN FORM WITH THE REQUIREMENTS OF THE ORDINANCE TO REGULATE THE MAKING OF SURVEYS AND FILING FOR RECORD OF PLATS OF SUBDIVISIONS WITHIN THE COUNTY OF GLYNN, GEORGIA. FURTHERMORE, IT IS HEREBY CERTIFIED THAT STREETS, UTILITIES AND OTHER REQUIRED IMPROVEMENTS HAVE BEEN INSTALLED IN AN ACCEPTABLE MANNER AND ACCORDING TO COUNTY SPECIFICATIONS AND STANDARDS OF THE SUBDIVISION REGULATIONS, AND/OR THAT THE POSTED PERFORMANCE BOND IS IN AN AMOUNT SUFFICIENT TO GUARANTEE THE REQUIRED IMPROVEMENTS AND/OR PERFORMANCE BOND.

THIS THE ____ DAY OF _____, 20 ____

COUNTY ENGINEER

CERTIFICATE OF ACCURACY

IT IS HEREBY CERTIFIED THAT THIS PLAT IS TRUE AND CORRECT AND WAS PREPARED FROM AN ACTUAL SURVEY OF THE PROPERTY MADE UNDER MY SUPERVISION IN CONFORMITY WITH THE MINIMUM STANDARDS AND REQUIREMENTS OF LAW.

THIS THE ____ DAY OF _____, 20 ____

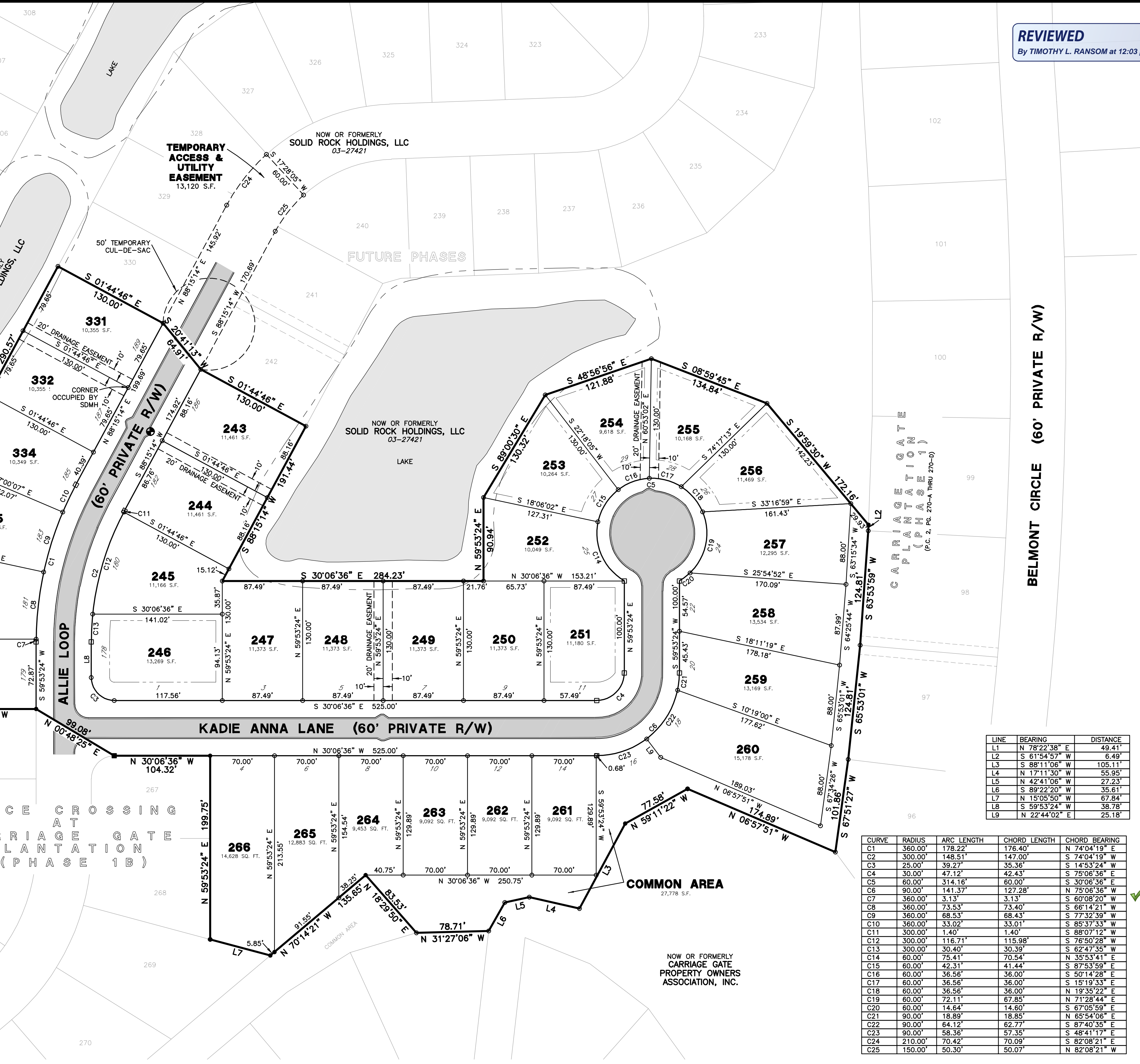
GARY R. NEVILL, GEORGIA PLS No. 2401

CERTIFICATE OF OWNERSHIP AND DEDICATION

OWNER HEREBY GRANTS A PERPETUAL NONEXCLUSIVE EASEMENT OVER THE PRIVATE RIGHTS-OF-WAY SHOWN ON THE PLAT TO THE AGENTS, EMPLOYEES, AND OFFICIALS OF GLYNN COUNTY, GEORGIA, A POLITICAL SUBDIVISION OF THE STATE OF GEORGIA, FOR THE PURPOSES OF PROVIDING EMERGENCY SERVICES, REGULAR AND CUSTOMARY PUBLIC SERVICES, AND OTHER OFFICIAL COUNTY BUSINESS.

THIS THE ____ DAY OF _____, 20 ____

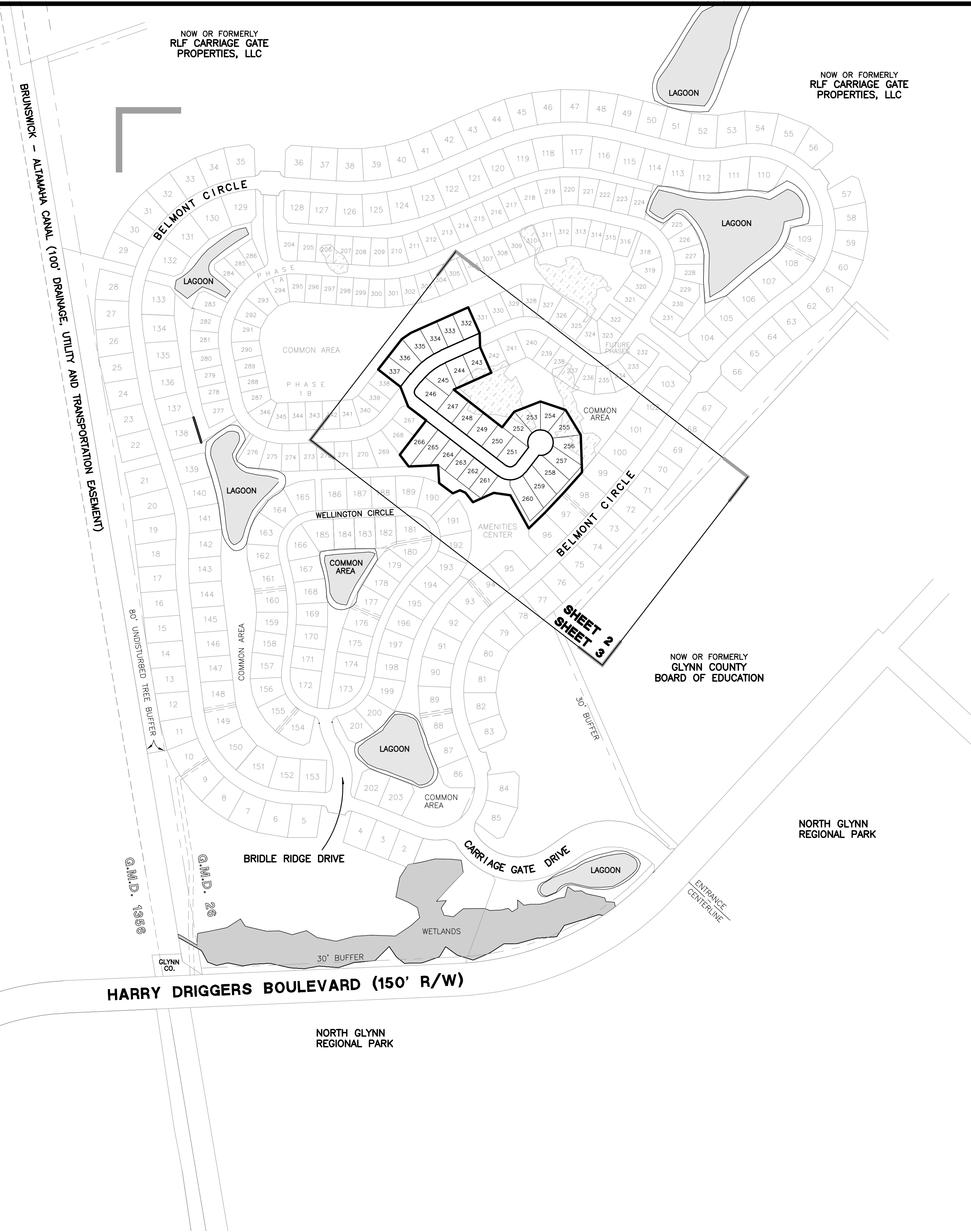
SOLID ROCK HOLDINGS, LLC



LINE	BEARING	DISTANCE
L1	N 78°22'38" E	49.41'
L2	S 61°54'57" W	6.49'
L3	S 88°11'06" W	105.11'
L4	N 17°11'30" W	55.95'
L5	N 42°41'06" W	27.23'
L6	S 89°22'20" W	35.61'
L7	N 15°05'50" W	67.84'
L8	S 59°53'24" W	38.78'
L9	N 22°44'02" E	25.18'

CURVE	RADIUS	ARC LENGTH	CHORD LENGTH	CHORD BEARING
C1	360.00'	178.22'	176.40'	N 74°04'19" E
C2	300.00'	148.51'	147.00'	S 74°04'19" W
C3	25.00'	39.27'	35.36'	S 14°53'24" W
C4	30.00'	47.12'	42.43'	S 75°06'36" E
C5	60.00'	314.16'	60.00'	S 30°06'36" E
C6	90.00'	141.37'	127.28'	N 75°06'36" W
C7	360.00'	3.13'	3.13'	S 60°08'20" W
C8	360.00'	73.53'	73.40'	S 66°14'21" W
C9	360.00'	68.53'	68.43'	S 77°32'59" W
C10	360.00'	33.02'	33.01'	S 85°37'33" W
C11	300.00'	1.40'	1.40'	S 88°07'12" W
C12	300.00'	116.71'	115.98'	S 76°50'28" W
C13	300.00'	30.40'	30.39'	S 62°47'55" W
C14	60.00'	75.41'	70.54'	N 35°53'41" E
C15	60.00'	42.31'	41.44'	S 87°53'59" E
C16	60.00'	36.56'	36.00'	S 50°14'28" E
C17	60.00'	36.56'	36.00'	S 15°19'33" E
C18	60.00'	36.56'	36.00'	N 19°35'22" E
C19	60.00'	72.11'	67.85'	N 71°28'44" E
C20	60.00'	14.64'	14.60'	S 67°05'59" E
C21	90.00'	18.89'	18.85'	N 65°54'06" E
C22	90.00'	64.12'	62.77'	S 87°40'35" E
C23	90.00'	58.36'	57.35'	S 48°41'17" E
C24	210.00'	70.42'	70.09'	S 82°08'21" E
C25	150.00'	50.30'	50.07'	N 82°08'21" W

RECORD DRAWING, WATER & SEWER (PUBLIC)



REFERENCE:

PLAT BY THIS FIRM TITLED FINAL PLAT OF: PHASE I, CARRIAGE GATE PLANTATION", DATED 08/06/06, RECORDED IN PLAT CABINET 2, PGS. 270A-270D.

NOTES:

- BOUNDARY INFORMATION SHOWN ON THIS SURVEY WAS TAKEN FROM REFERENCE SURVEY (SEE REFERENCE). THIS IS NOT A BOUNDARY SURVEY AND IS NOT TO BE RECORDED OR USED FOR REAL PROPERTY TRANSFER.
- FIELD EQUIPMENT USED FOR THIS PLAT: LEICA TS-12.
- THIS SURVEY IS BASED ON FIELD WORK COMPLETED ON 03/19/2024. SHUPE SURVEYING COMPANY, P.C. IS NOT RESPONSIBLE FOR ANY CHANGES TO THE SITE AFTER THIS DATE.
- THE PARCEL ID # FOR THIS PHASE IS 03-27421.
- THE UTILITIES AS SHOWN ARE PER THE LOCATION OF POLES, MANHOLES, VALVES, PEDESTALS, ETC. THE SURVEYOR MAKES NO GUARANTEE THAT THE UTILITIES SHOWN COMPRISE ALL SUCH UTILITIES IN THE AREA, EITHER IN SERVICE OR ABANDONED. THE SURVEYOR FURTHER DOES NOT WARRANT THAT THE UTILITIES SHOWN ARE IN THE EXACT LOCATION INDICATED, ALTHOUGH HE DOES CERTIFY THAT THEY ARE LOCATED AS ACCURATELY AS POSSIBLE FROM THE INFORMATION AVAILABLE.
- THE VERTICAL DATUM IS BASED ON NAVD88 AND WAS ESTABLISHED UTILIZING RTK GPS WITH A VRS NETWORK (eGPS SOLUTIONS).
- OWNER/DEVELOPER:

SOLID ROCK HOLDINGS, LLC
324 SOUTH FIFTH STREET
JESUP, GA 31545
912-588-1968
(solidrockco@bellsouth.net)

SURVEYOR'S STATEMENT:

TO THE BEST OF MY KNOWLEDGE AND BELIEF THE WATER AND/OR SEWER RECORD DRAWINGS SHOWN HEREON HAVE BEEN PREPARED IN CONFORMANCE WITH THE JWSC RECORD DRAWING STANDARDS AND ARE AN ACCURATE REPRESENTATION OF THE FIELD CONDITIONS BASED UPON ABOVE GROUND VISIBLE EVIDENCE OF SYSTEM COMPONENTS, AND THE ENGINEERING, CONTRACTOR AND JWSC INFORMATION PROVIDED.

SURVEYOR'S NAME: GARY R. NEVILL

SURVEYOR'S SIGNATURE: *[Signature]*

SURVEYOR'S GA REGISTERED LAND SURVEYOR NUMBER: 2401

DATE SIGNED: 04-11-2024

ENGINEER'S STATEMENT:

THESE RECORD DRAWINGS HAVE BEEN PREPARED BASED ON CONSTRUCTION, LOCATION, ELEVATION AND TESTING INFORMATION PROVIDED BY THE CONTRACTOR, SURVEYOR AND THE JWSC. THIS INFORMATION HAS BEEN REVIEWED BY THE ENGINEER OF RECORD, AS CITED BELOW, AND TO THE BEST OF HIS/HER KNOWLEDGE AND BELIEF THESE RECORD DRAWINGS ARE CONSISTENT WITH THE DESIGN INTENT OF THE APPROVED SITE DEVELOPMENT PLANS AND ANY APPROVED MODIFICATIONS OR CHANGES.

ENGINEER'S NAME: Johnathan Roberts

ENGINEER'S SIGNATURE: *[Signature]*

GA PROFESSIONAL ENGINEER REGISTRATION NUMBER: 034205

DATE SIGNED: 04-11-2024

CONTRACTOR'S STATEMENT:

THE WATER AND/OR SEWER SYSTEMS, AS SHOWN ON THESE RECORD DRAWINGS, HAVE BEEN CONSTRUCTED IN SUBSTANTIAL COMPLIANCE WITH THE STANDARDS AND SPECIFICATIONS FOR THIS PROJECT AND IN CONSIDERATION OF THE TWO (2) YEAR WORKMANSHIP AND MATERIALS WARRANTY. ANY SIGNIFICANT DEVIATIONS FROM THE MATERIALS SPECIFIED OR WORKMANSHIP STANDARDS REQUIRED HAVE BEEN APPROVED BY THE ENGINEER AND THE JWSC PRIOR TO INSTALLATION. THIS INFORMATION HAS BEEN REVIEWED BY A PRINCIPAL OF THE COMPANY OR AN EXECUTIVE OFFICER, AS CITED BELOW, AND TO THE BEST OF HIS/HER KNOWLEDGE AND BELIEF THESE RECORD DRAWINGS ARE ACCURATE AND COMPLETE.

COMPANY NAME: _____

PRINCIPAL/OFFICER'S NAME: _____

PRINCIPAL/OFFICER'S SIGNATURE: _____

DATE SIGNED: _____

JWSC'S STATEMENT:

THESE RECORD DRAWINGS HAVE BEEN PREPARED AND CONFIRMED BASED ON PERIODIC FIELD OBSERVATIONS DURING CONSTRUCTION, FIELD TESTING, CCTV AND PHYSICAL INSPECTIONS OF SYSTEM COMPONENTS BY JWSC STAFF. THIS INFORMATION HAS BEEN REVIEWED BY JWSC SUPERINTENDENTS AND CONSTRUCTION INSPECTION STAFF, AS CITED BELOW, AND TO THE BEST OF THEIR KNOWLEDGE AND BELIEF THESE RECORD DRAWINGS ARE ACCURATE AND COMPLETE IN ACCORDANCE WITH ADOPTED JWSC RECORD DRAWING STANDARDS AND SPECIFICATIONS.

WATER DISTRIBUTION SUPERINTENDENT'S NAME: _____

WATER DISTRIBUTION SUPERINTENDENT'S SIGNATURE: _____

DATE SIGNED: _____

WASTEWATER COLLECTION SUPERINTENDENT'S NAME: _____

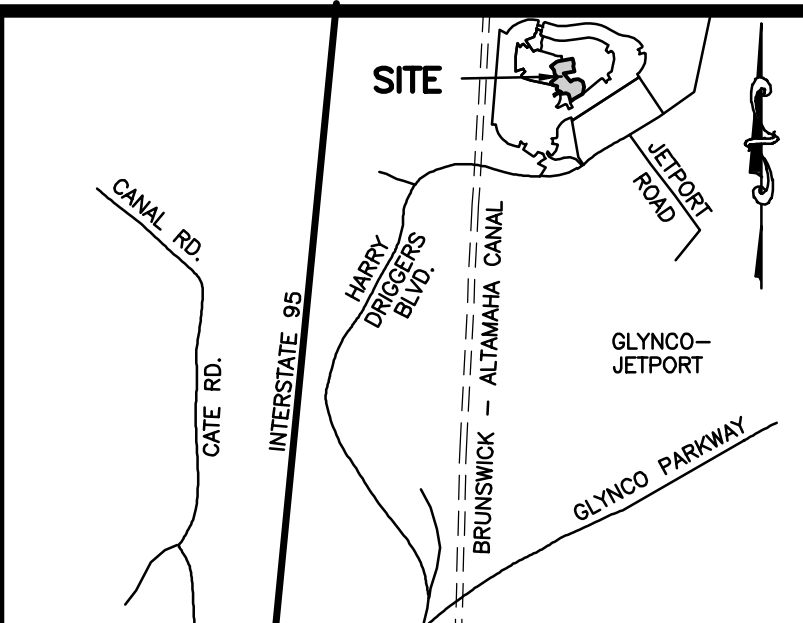
WASTEWATER COLLECTION SUPERINTENDENT'S SIGNATURE: _____

DATE SIGNED: _____

PROJECT INSPECTOR'S NAME: _____

PROJECT INSPECTOR'S NAME SIGNATURE: _____

DATE SIGNED: _____



VICINITY MAP (NOT TO SCALE)

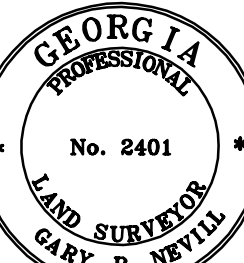
THIS DOCUMENT AND ALL REPRODUCIBLE COPIES OF THIS DOCUMENT ARE THE PROPERTY OF SHUPE SURVEYING COMPANY, P.C. REPRODUCTION OF THIS DOCUMENT IS NOT PERMITTED WITHOUT WRITTEN CONSENT OF SHUPE SURVEYING COMPANY, P.C. UNLESS THIS DOCUMENT BECOMES A MATTER OF PUBLIC RECORD. ALTERATIONS TO THIS DOCUMENT ARE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

SEWER LEGEND:

(03-27421) PARCEL ID NUMBER
[3.5] PARCEL ID NUMBER
● SEWER SERVICE
○ SANITARY SEWER MANHOLE
SS SANITARY SEWER LINE
SEWER SERVICE
STATION
0+96.2
R34.2 (2.8) [14.2]
DISTANCE TO BACK OF CURB
DISTANCE TO NEAREST PROPERTY CORNER
OFFSET

WATER LEGEND:

(03-27421) PARCEL ID NUMBER
□ (BOV) BLOW OUT VALVE
W EXISTING WATER LINE
8" W 8" WATER LINE
○ FIRE HYDRANT
○ WATER VALVE
WATER SERVICE
STATION
0+96.2
R34.2 (2.8) [9.6]
DISTANCE TO BACK OF CURB
DISTANCE TO NEAREST PROPERTY CORNER
OFFSET

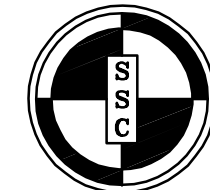


GARY R. NEVILL, GA PLS #2401
(gnevill@shupesurvey.com)

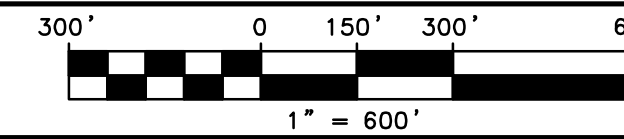
2	REVISED PER COMMENTS	JCH	4/09/24
1	REVISED PER COMMENTS	JCH	4/03/24
NO.	REVISION	BY	DATE

RECORD DRAWING, WATER & SEWER FOR:
**GRACE CROSSING AT
CARRIAGE GATE
PLANTATION,
PHASE 2B**
26TH G.M.D., GLYNN COUNTY,
GEORGIA

PREPARED FOR:
SOLID ROCK HOLDINGS, LLC.



SHUPE SURVEYING COMPANY, P.C.
3837 DARIEN HIGHWAY
BRUNSWICK, GA 31525
912-265-0562
CERTIFICATE OF AUTHORIZATION: LSF317



SCALE 1" = 600'
FILE 20041K
DRAWING 20041K.DWG
DRAWING DATE 03/19/2024
DRAWN BY JCH
CREW CHIEF MH
SHEET 1 OF 3

RECORD DRAWING,
WATER SYSTEM (PUBLIC)

WATER LEGEND:

(03-27421) PARCEL ID NUMBER

— W — EXISTING WATER LINE

— 8" W — 8" WATER LINE

— F — FIRE HYDRANT

— V — WATER VALVE

— (BOV) — BLOW OUT VALVE

— W — WATER SERVICE

— S — STATION

— R34.2 (2.8) [9.6] — DISTANCE TO NEAREST BACK OF CURB

— — DISTANCE TO NEAREST PROPERTY CORNER

— — OFFSET

SEWER STRUCTURE COORDINATES		
GEORGIA COORDINATE SYSTEM, EAST ZONE — NAD 83		
STRUCTURE	NORTHING	EASTING
WS-242	466524.46	874010.49
WS-243	466523.66	873988.11
WS-244	466519.09	873829.86
WS-245	466516.35	873821.53
WS-246	466461.02	873656.66
WS-247	466270.75	873733.13
WS-248	466186.47	873780.25
WS-249	466162.71	873792.74
WS-250	466022.66	873876.02
WS-251	466014.46	873879.56
WS-252	466038.80	874040.44
WS-253	466066.38	874110.73
WS-254	466065.99	874121.19
WS-255	466015.85	874153.32
WS-256	465999.02	874151.03
WS-257	465950.68	874094.44
WS-258	465954.00	874080.66
WS-259	465899.88	873953.79
WS-261	465944.40	873849.46
WS-261A	465936.17	873854.87
WS-262	466053.48	873785.41
WS-263	466061.61	873779.66
WS-264	466177.31	873715.19
WS-265	466186.49	873710.15
WS-266	466290.26	873651.38
WS-331	466587.46	873960.74
WS-332	466587.35	873921.15
WS-334	466579.49	873795.33
WS-335	466578.36	873786.74
WS-336	466534.82	873663.34
WS-337	466531.20	873655.00
MV-1	466465.72	873570.13
MV-2	466458.58	873562.97
MV-3	466496.04	873623.81
MV-4	466572.30	874036.26
MV-5	465967.49	874057.92
BOV-1	466572.67	874045.98
BOV-2	466015.77	874040.40
FHV-1	465987.91	873831.96

SURVEYOR'S STATEMENT:

TO THE BEST OF MY KNOWLEDGE AND BELIEF THE WATER AND/OR SEWER RECORD DRAWINGS SHOWN HEREON HAVE BEEN PREPARED IN CONFORMANCE WITH THE JWSC RECORD DRAWING STANDARDS AND ARE AN ACCURATE REPRESENTATION OF THE FIELD CONDITIONS BASED UPON ABOVE GROUND VISIBLE EVIDENCE OF SYSTEM COMPONENTS, AND THE ENGINEERING, CONTRACTOR AND JWSC INFORMATION PROVIDED.

SURVEYOR'S NAME: GARY R. NEVILL

SURVEYOR'S SIGNATURE: *[Signature]*

SURVEYOR'S GA REGISTERED LAND SURVEYOR NUMBER: 2401

DATE SIGNED: 04-11-2024

ENGINEER'S STATEMENT:

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ENGINEER'S NAME: Johnathan Roberts

ENGINEER'S SIGNATURE: *[Signature]*

GA PROFESSIONAL ENGINEER REGISTRATION NUMBER: 034205

DATE SIGNED: 04-11-2024

CONTRACTOR'S STATEMENT:

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COMPANY NAME: _____

PRINCIPAL/OFFICER'S NAME: _____

PRINCIPAL/OFFICER'S SIGNATURE: _____

DATE SIGNED: _____

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WATER DISTRIBUTION SUPERINTENDENT'S NAME: _____

WATER DISTRIBUTION SUPERINTENDENT'S SIGNATURE: _____

DATE SIGNED: _____

WASTEWATER COLLECTION SUPERINTENDENT'S NAME: _____

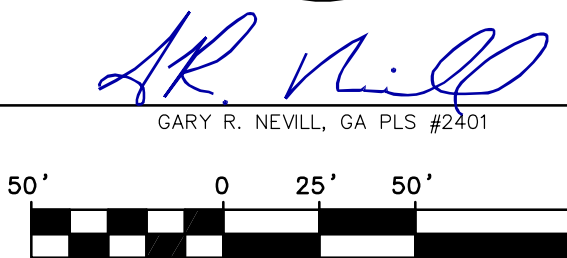
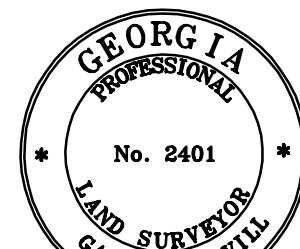
WASTEWATER COLLECTION SUPERINTENDENT'S SIGNATURE: _____

DATE SIGNED: _____

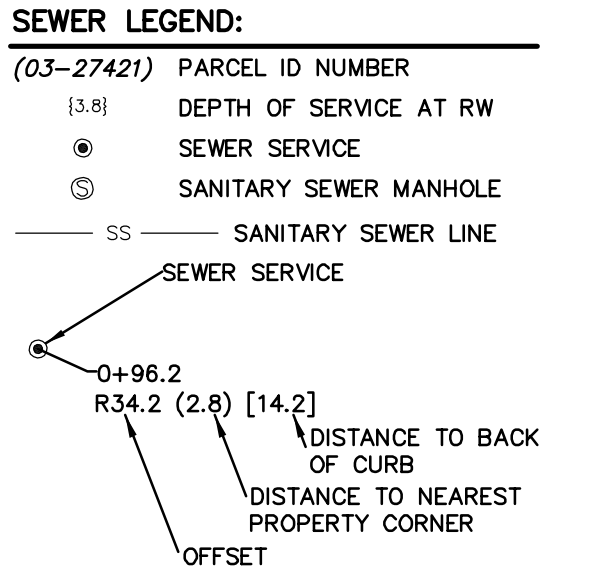
PROJECT INSPECTOR'S NAME: _____

PROJECT INSPECTOR'S NAME SIGNATURE: _____

DATE SIGNED: _____



RECORD DRAWDING,
SEWER SYSTEM (PUBLIC)



SEWER STRUCTURE COORDINATES
GEORGIA COORDINATE SYSTEM, EAST ZONE - NAD 83

STRUCTURE	NORTHING	EASTING
SS-241	466524.64	874095.54
SS-242	466524.94	874084.64
SS-243	466519.90	873930.87
SS-244	466517.98	873894.04
SS-245	466493.39	873716.22
SS-246	466489.65	873707.43
SS-247	466251.12	873742.26
SS-248	466241.53	873747.89
SS-249	466101.26	873830.55
SS-250	466092.47	873836.95
SS-251	465976.92	873905.15
SS-252	466066.95	874072.58
SS-253	466068.47	874081.83
SS-254	466057.71	874129.36
SS-255	466024.19	874152.23
SS-256	465978.70	874142.87
SS-257	465961.74	874131.65
SS-258	465933.19	874019.88
SS-259	465929.53	874011.37
SS-260	465901.66	873897.43
SS-261A	465903.10	873896.08
SS-261	465997.77	873821.35
SS-262	466006.74	873817.08
SS-263	466120.82	873750.33
SS-264	466129.31	873744.97
SS-265	466231.53	873684.72
SS-266	466252.24	873672.40
SS-330	466584.47	874026.58
SS-331	466584.69	874016.26
SS-332	466578.86	873869.54
SS-334	466578.40	873858.84
SS-335	466571.50	873763.44
SS-336	466561.31	873721.57
SS-337	466523.22	873644.34
SSMH-1	466451.10	873615.72
SSMH-2	466517.26	873751.11
SSMH-3	466530.47	873999.83
SSMH-4	466533.95	874214.77
SSMH-5	466239.51	873739.93
SSMH-6	465945.00	873917.92
SSMH-7	466052.59	874121.79

SURVEYOR'S STATEMENT:

TO THE BEST OF MY KNOWLEDGE AND BELIEF THE WATER AND/OR SEWER RECORD DRAWINGS SHOWN HEREON HAVE BEEN PREPARED IN CONFORMANCE WITH THE JWSC RECORD DRAWING STANDARDS AND ARE AN ACCURATE REPRESENTATION OF THE FIELD CONDITIONS BASED UPON ABOVE GROUND VISIBLE EVIDENCE OF SYSTEM COMPONENTS, AND THE ENGINEERING, CONTRACTOR AND JWSC INFORMATION PROVIDED.

SURVEYOR'S NAME: GARY R. NEVILL

SURVEYOR'S SIGNATURE: *[Signature]*

SURVEYOR'S GA REGISTERED LAND SURVEYOR NUMBER: 2401

DATE SIGNED: 04-11-2024

ENGINEER'S STATEMENT:

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ENGINEER'S NAME: Johnathan Roberts

ENGINEER'S SIGNATURE: *[Signature]*

GA PROFESSIONAL ENGINEER REGISTRATION NUMBER: 034205

DATE SIGNED: 04-11-2024

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COMPANY NAME: _____

PRINCIPAL/OFFICER'S NAME: _____

PRINCIPAL/OFFICER'S SIGNATURE: _____

DATE SIGNED: _____

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WATER DISTRIBUTION SUPERINTENDENT'S NAME: _____

WATER DISTRIBUTION SUPERINTENDENT'S SIGNATURE: _____

DATE SIGNED: _____

WASTEWATER COLLECTION SUPERINTENDENT'S NAME: _____

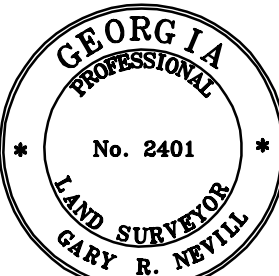
WASTEWATER COLLECTION SUPERINTENDENT'S SIGNATURE: _____

DATE SIGNED: _____

PROJECT INSPECTOR'S NAME: _____

PROJECT INSPECTOR'S NAME SIGNATURE: _____

DATE SIGNED: _____



GARY R. NEVILL, GA PLS #2401

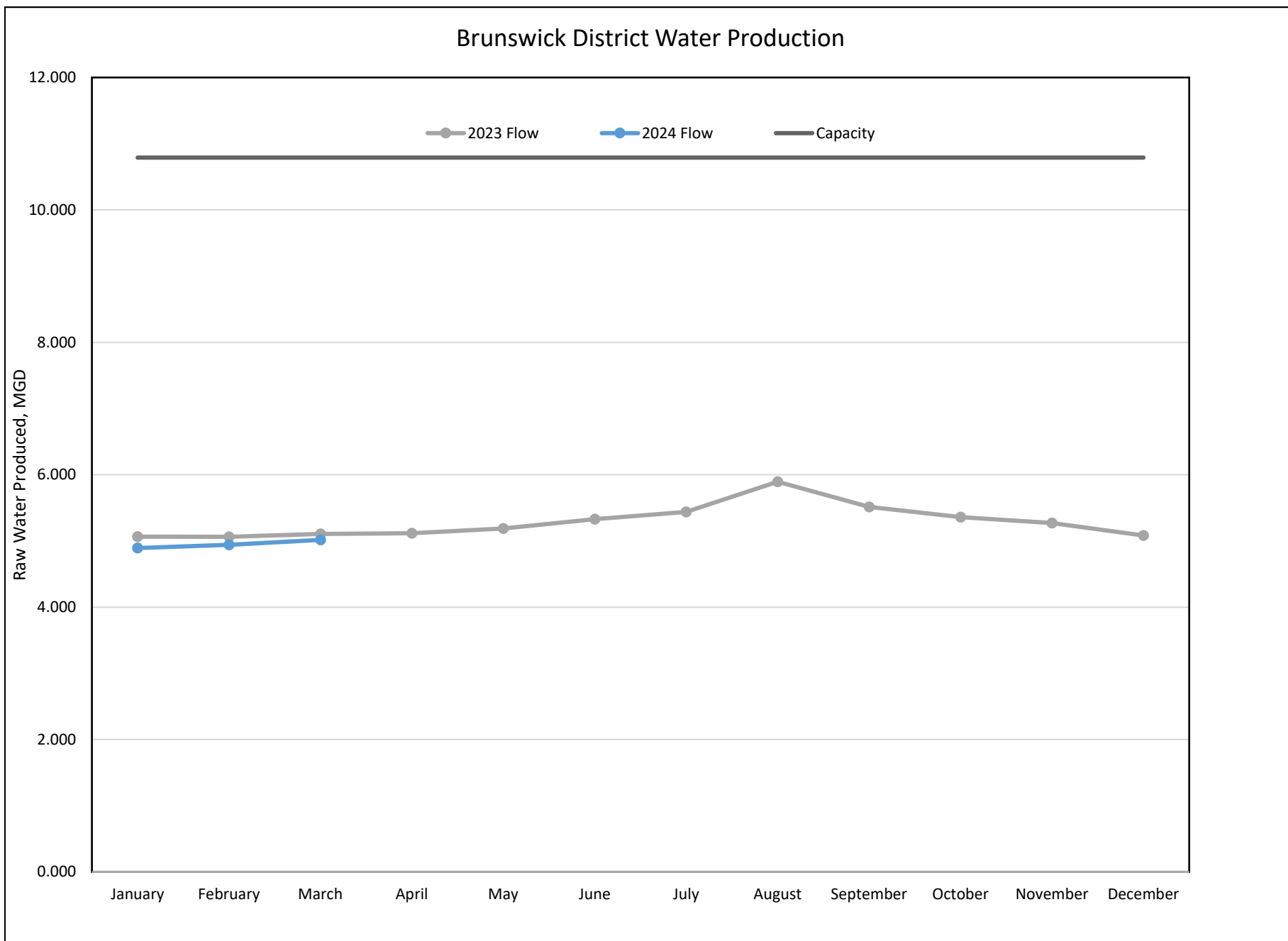
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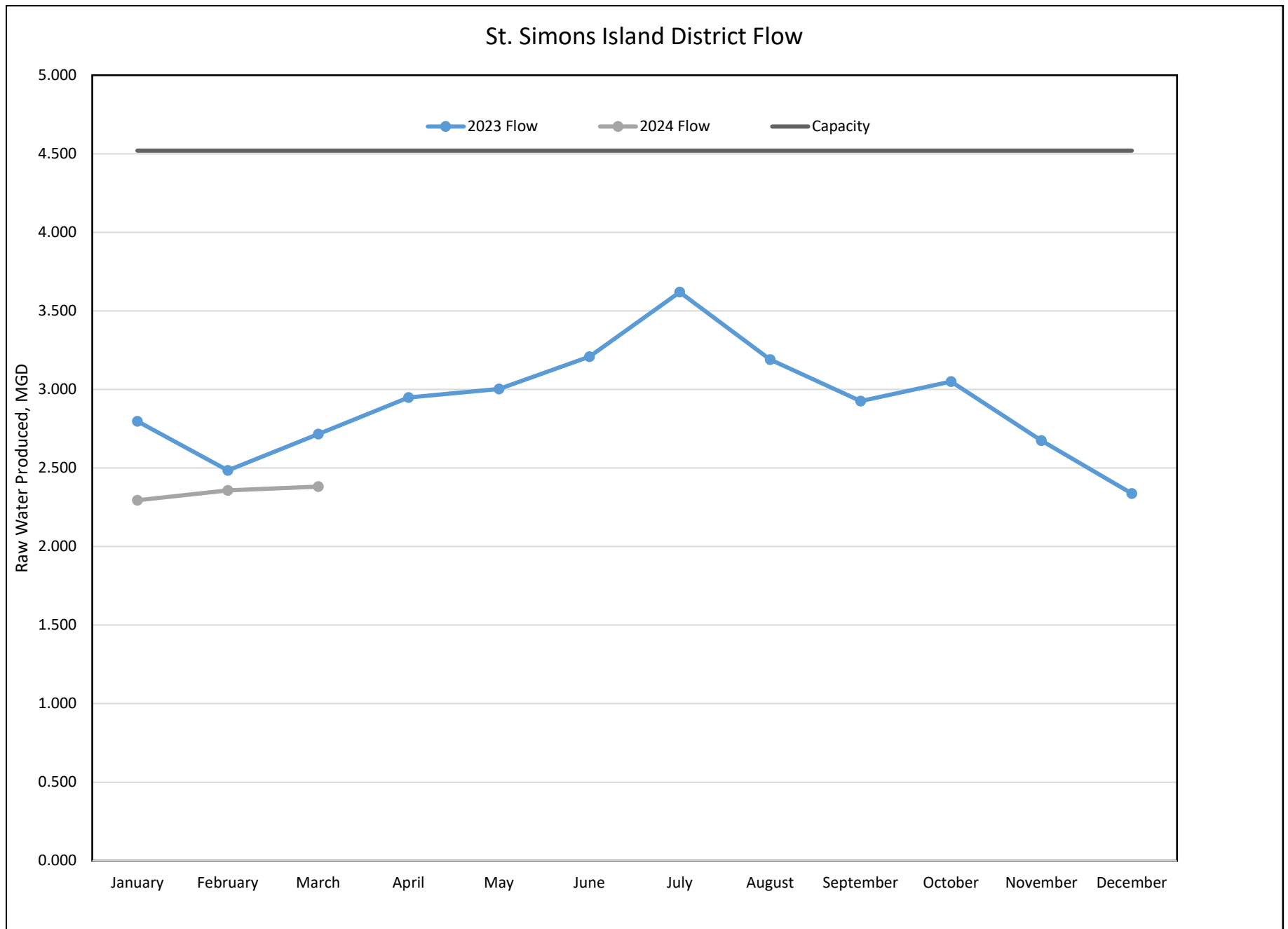
NO.	REVISION	BY	DATE
2	REVISED PER COMMENTS	JCH	4/09/24
1	REVISED PER COMMENTS	JCH	4/03/24

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	30,105	98.60%
February 2024	219.913	186.852	15.03%	7.583	6.443	1.140	29,642	30,073	98.57%
March 2024	238.232	211.031	11.42%	7.685	6.807	0.877	29,836	30,168	98.90%
April 2024									
May 2024									
June 2024									
July 2024									
August 2024									
September 2024									
October 2024									
November 2024									
December 2024									
Average	253.001	196.024	22.52%	8.318	6.442	1.876	26,019	29,864	87.12%
Max	291.325	229.052	21.38%	9.398	7.389	3.074	29,836	30,168	98.90%
Min	219.185	143.456	34.55%	7.505	5.063	0.877	19,696	29,461	66.85%

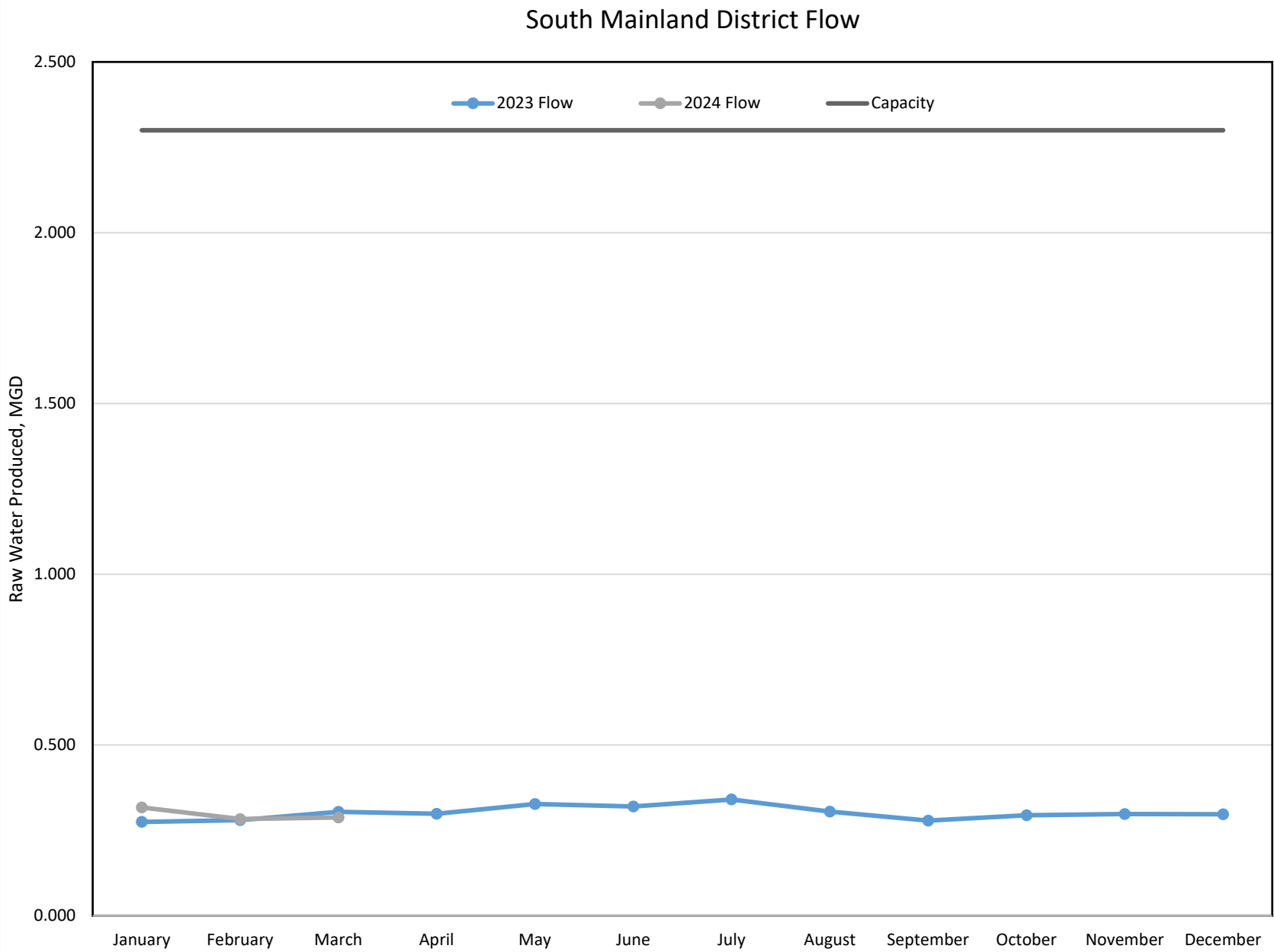
Brunswick District	TOTAL WATER PRODUCED (MG)									DAILY AVERAGE (MGD)									Total Produced	Daily Average	Taste/Odor Complaints
	Month	Howard Coffin	Goodyear Park	Brunswick Villa	FLETC	I-95	Golden Isles I	Golden Isles II	Canal	Ridgewood	Howard Coffin	Goodyear Park	Brunswick Villa	FLETC	I-95	Golden 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	22.595	2.039	35.565	11.086	27.111	8.452	13.036	0.005	23.428	0.779	0.070	1.226	0.382	0.935	0.291	0.450	0.000	0.808	143.317	4.942	0
March 2024	19.901	27.286	16.624	13.416	31.178	9.429	16.235	0.005	21.407	0.642	0.880	0.536	0.433	1.006	0.304	0.524	0.000	0.691	155.481	5.016	0
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Average	27.680	24.727	23.553	6.100	33.173	11.523	16.956	0.005	22.145	0.673	0.812	0.778	0.200	1.091	0.379	0.557	0.000	0.729	158.672	5.218	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	2.039	11.173	0.000	21.934	8.452	13.036	0.005	19.451	0.371	0.070	0.360	0.000	0.708	0.280	0.450	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	26.010	20.995	8.747	12.620	0.897	0.724	0.302	0.435	68.372	2.358	0
March 2024	29.824	24.738	8.977	10.282	0.962	0.798	0.290	0.332	73.821	2.381	0
April 2024											
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December 2024											
Average	31.398	24.901	19.501	9.377	1.030	0.819	0.641	0.309	85.177	2.799	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	68.372	2.294	0

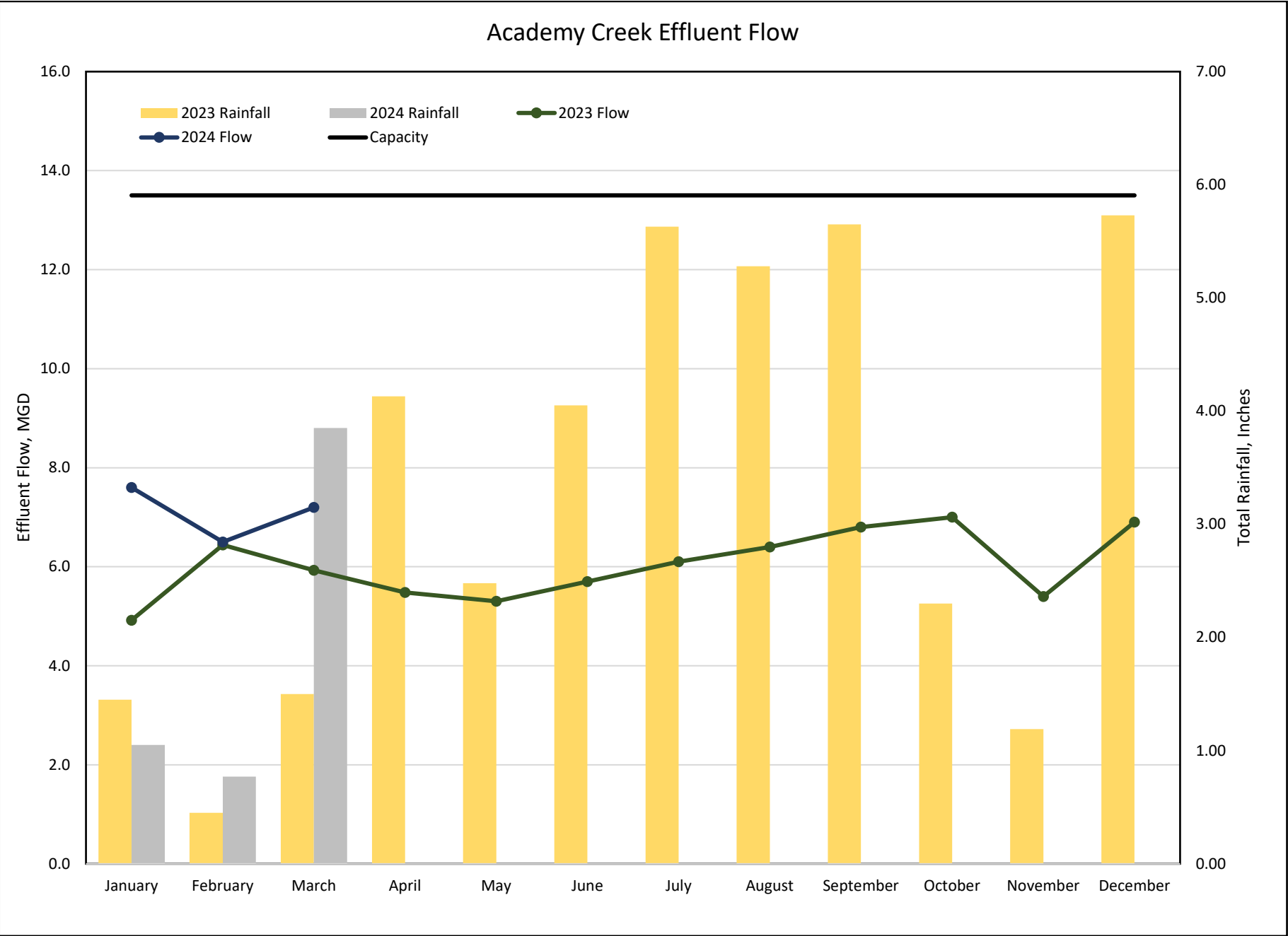


South Mainland District	TOTAL WATER PRODUCED (MG)			DAILY AVERAGE (MGD)			Total Produced	Daily Average	Taste/Odor Complaints
Month	Fancy Bluff	Exit 29	Brookman	Fancy Bluff	Exit 29	Brookman			
January 2023	4.677	0.005	3.844	0.151	0.000	0.124	8.526	0.275	0
February 2023	4.108	0.005	3.746	0.147	0.000	0.134	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 2024	4.696	0.005	5.142	0.151	0.000	0.166	9.843	0.318	0
February 2024	4.237	0.005	3.982	0.146	0.000	0.137	8.224	0.284	0
March 2024	4.261	0.005	4.664	0.137	0.000	0.150	8.930	0.288	0
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October 2024									
November 2024									
December 2024									
Average	4.355	0.005	4.791	0.143	0.000	0.157	9.152	0.301	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



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
February 2024	7.7	0.0	6.5	48%	7.3	223.0	182	329	19.7	11.2	6.7	195.0	7.5	5	4	14.8	0.04	10	5.8	97.25%	98.78%	0.35	0.77	7.511	86.15
March 2024	8.5	0.0	7.2	53%	7.3	223.2	150	167	16.3	15.3	6.8	224.6	7.2	5	4	14.5	0.04	15	9.9	96.67%	97.60%	1.35	3.85	4.695	65.85
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Average	7.1	0.3	6.2	46%	7.3	196.6	175	187	19.7	12.8	6.5	108.2	6.9	4.5	3.2	6.3	0.04	17	6.7	97.41%	98.20%	1.55	3.03	7.987	57.77
Max	8.5	0.8	7.6	56%	7.5	259.2	232	329	28.4	25.7	6.8	224.6	7.6	7.0	5.0	14.8	0.08	68	9.9	98.21%	98.84%	3.85	5.73	10.819	86.15
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	96.67%	96.64%	0.35	0.45	4.695	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%				

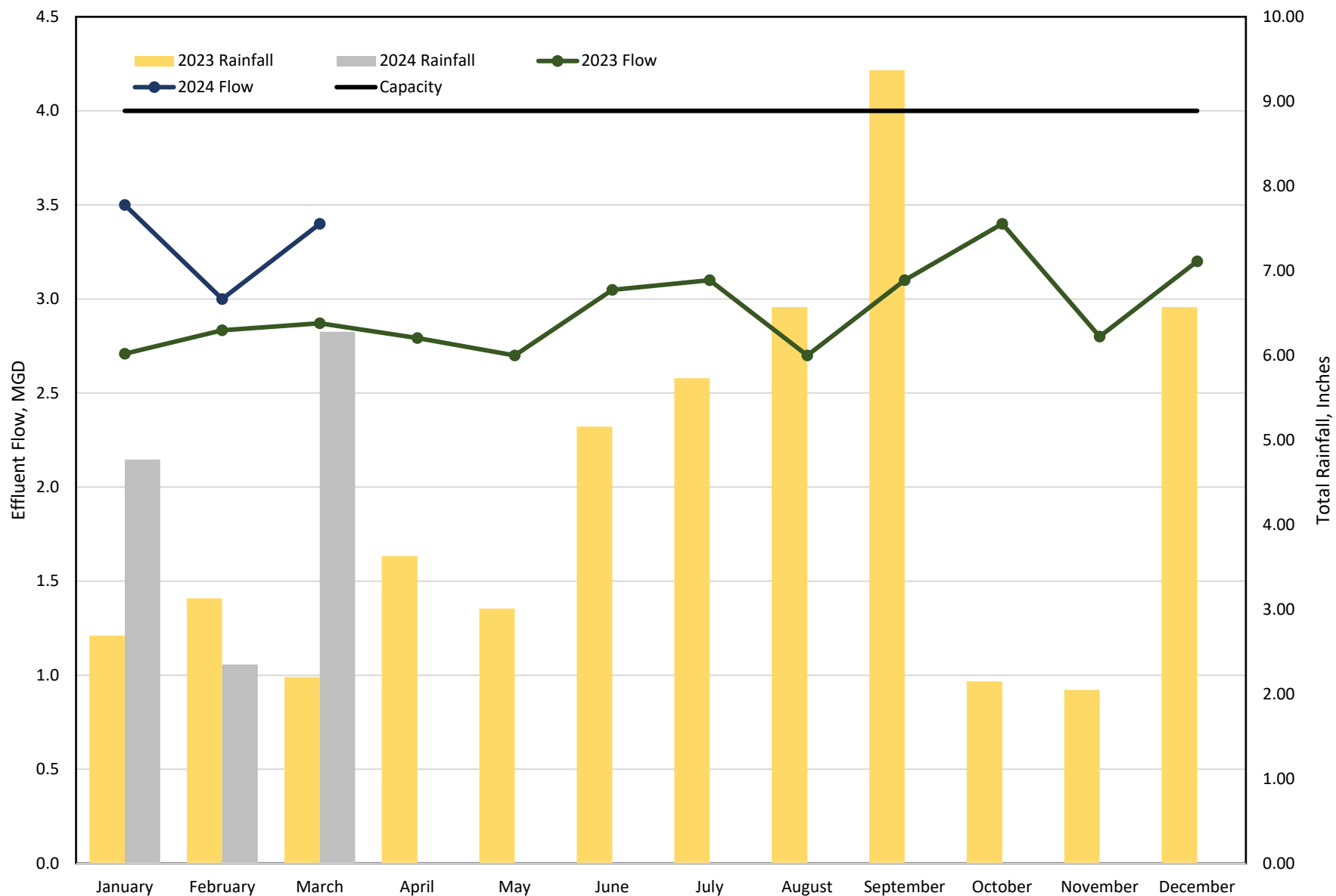
BOD - Biochemical Oxygen Demand
TSS - Total Suspended Solids
NH3 - Ammonia (Limit Changed June 2023)
Phos - Phosphorus
D.O. - Dissolved Oxygen
TRC - Total Residual Chlorine
Entero. - Enterococci Bacteria



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
February 2024	3.1	3.0	75%	6.9	239.0	147	163	26.9	4.35	6.7	66.4	8.5	3	3	0.4	4	2.9	97.96%	98.16%	1.68	2.35	0.710	18.41
March 2024	3.5	3.4	85%	6.9	215.0	162	187	22.0	3.20	6.7	58.6	8.2	3	2	0.3	2	1.7	98.15%	98.93%	1.57	6.28	0.636	15.98
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Average	3.1	3.0	75%	6.9	227.8	177.4	203.3	22.9	3.71	7.0	61.8	7.9	4	5	0.7	13	2.3	97.81%	97.37%	2.0	4.4	1.607	23.24
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%	98.93%	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	2	0.3	2	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%				

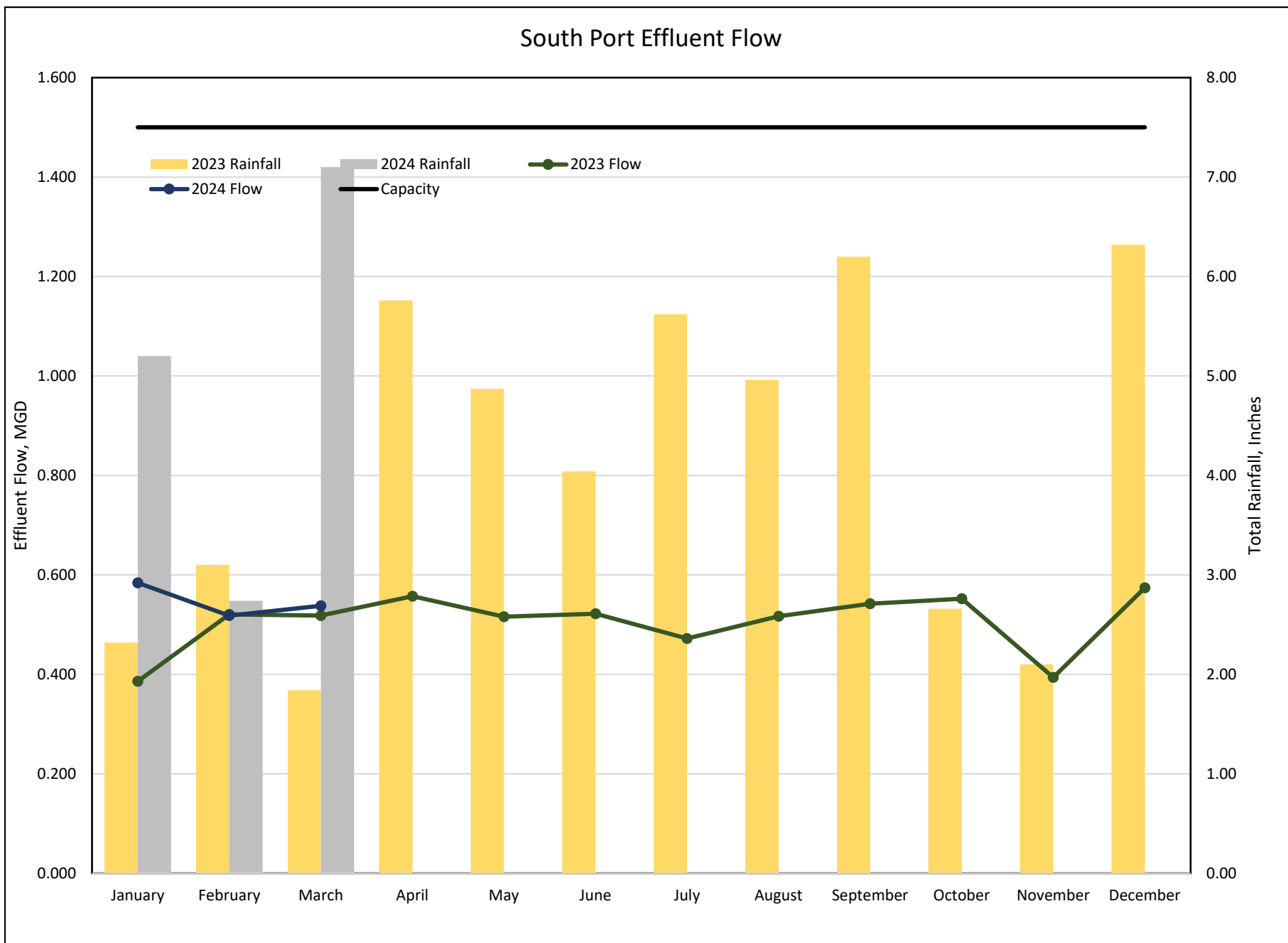
BOD - Biochemical Oxygen Demand
TSS - Total Suspended Solids
NH3 - Ammonia
Phos - Phosphorus
D.O. - Dissolved Oxygen
TRC - Total Residual Chlorine
Entero. - Enterococci Bacteria

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
February 2024	N/A	0.518	35%	7.1	218.0	165	157	36.3	4.60	7.6	43.1	8.3	5	4	0.4	1	2.2	96.97%	97.45%	1.21	2.74	0.008	3.13
March 2024	N/A	0.538	36%	7.1	188.0	176	192	26.9	4.00	7.7	51.1	7.9	4	3	0.3	1	1.3	97.73%	98.44%	1.00	7.10	0.032	4.16
April 2024																							
May 2024																							
June 2024																							
July 2024																							
August 2024																							
September 2024																							
October 2024																							
November 2024																							
December 2024																							
Average	0.421	0.514	34%	7.2	214.3	169.8	195.9	26.6	4.10	7.6	58.8	7.6	5	3	1.5	1	2.4	97.28%	98.20%	1.6	4.3	0.014	3.34
Max	0.499	0.584	39%	7.3	242.0	206.0	286.0	36.3	5.40	8.0	104.9	8.7	6	6	5.7	2	3.4	98.06%	99.15%	3.4	7.1	0.032	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	1.3	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 – April 2024

#2016 ARCO AREA WATER AND SEWER EXTENSION (62% - JULY 2024)



1. Northbound view of the construction activities along 6th Street between Franklin Avenue and Emanuel Avenue.
2. UWS Crewmembers are working on the sewer line crossing underneath the existing storm line on 6 Street, next to 3601 Franklin Avenue.
3. UWS Crewmembers working on the sewer installation in front of 3604 Emanuel Avenue.

Facility Construction Project Photos – April 2024

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



1. Justin Lewis (WDD Crewmember) showcasing a 2-inch galvanized line removed from Wesley Oak Circle Subdivision in the Saint Simons Island District.
2. Michael Allen (WDD Crewmember) showcasing a 1-inch galvanized line and fittings wrapped in a tree root removed from the North Mainland District.

Facility Construction Project Photos – April 2024

#2102 CANAL ROAD WATER PRODUCTION FACILITY (0% - JUNE 2025)



1. Northbound view of the project site – the contractor has completed field surveying and staking in preparation for the major construction activities scheduled to start on 06/03/2024.
2. Southbound view of the existing fire well motor and assembly, which will be upgraded into a full-water production well.
3. View of the existing well services control panels, which will be removed and replaced with updated control panels with SCADA integration capabilities.

Facility Construction Project Photos – April 2024

#2103 NORTH MAINLAND WATER LOOPS (100% - APRIL 2024)



- 1. VCC laydown yard at 2060 Old Jesup Road – the final clean-up and site restoration of the yard when the contractor’s lease is terminated with the private property owner scheduled by the end of May.**
- 2. Eastbound view of Hautala Drive – final paving and site restoration activities completed.**
- 3. The project is awaiting the contractor to submit the final completion inspection request and final documentation for project closeout.**

Facility Construction Project Photos – April 2024

#2104 PUMP STATION 4002 REHAB (25% - SEPTEMBER 2024)



1. D Construction LLC (PopCo Subcontractor) Crewmembers work on the interior masonry wall formation for the instrumentation and control room.
2. James Merrit (PopCo Superintendent) inspects the masonry work and wall preparation activities for the upcoming interior stucco repairs.
3. Southeast view of the existing pump station construction activities – existing door to be replaced, and windows are removed and blocked up.

Facility Construction Project Photos – April 2024

#2105 PUMPSTATION 4044 REHAB (9% - OCTOBER 2024)



1. View of the existing pump station site – valve vault, wetwell, water services, and electrical panels.
2. Paul Mamalakis, Senior Electrical Engineering, and Joe Vitiello, EIT (Chatham Engineering), performed a preliminary site investigation of the proposed the location of the instrument and control station before the major construction activity is scheduled to start.

Facility Construction Project Photos – April 2024

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



Facility Construction Project Photos – April 2024



1. Drone view of the ongoing construction activities at the Dunbar Creek Treatment Plan.
2. BRW crew members are working on interior piping preparation at the RAS/SCUM pump house.
3. Drone view of the ongoing construction activities at the new clarifier – structural reinforcement formation and concrete placement underway.
4. Drone view of the ongoing construction activities for the new splitter box – the structural reinforcement formation and concrete placement underway.

Facility Construction Project Photos – April 2024

#2108 PUMP STATION 4001 REHAB (0% - SEPTEMBER 2024)



1. PopCo, Inc. provided a construction schedule on 02/21/2024. Crew members are to mobilize on 04/22/2024, with the anticipated project completion date of 08/11/2024. JWSC will provide temporary sewer bypassing pumping for the project utilizing existing equipment.
2. The contractor is working on submittals and securing materials for the project.
3. Major construction activities include Erosion Control, Demolition, Structural Repairs, and Electrical/SCADA upgrades.
4. James Merritt (PopCo Superintendent) inspects existing control panels and shelter concrete pad.
5. James inspects the existing wetwell conditions.
6. View inside of the existing wetwell conditions.

Facility Construction Project Photos – April 2024

#2110 PUMP STATION 3101 REHAB (0% - SEPTEMBER 2024)



1. PopCo, Inc. provided a construction schedule on 02/21/2024. Crew members are to mobilize on 06/24/2024 with the anticipated project completion date of 08/11/2024. JWSC will provide temporary sewer bypassing pumping for the project utilizing existing equipment.
2. The contractor is working on submittals and securing materials for the project.
3. Construction activities include Erosion Control, Demolition, New GA Power Service, and Electrical/SCADA upgrades.
4. Eastbound front view of the PS 3101 property.
5. Drone overview of the project site.

Facility Construction Project Photos – April 2024

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



1. Mall EST – Streetview from the intersection of Altama Connector and Scranton Connector
2. Oglethorpe EST—Drone view of the project site facing westbound.
3. The final CTS inspection at the Mall and Oglethorpe EST was completed on 02/23/2024 and provided to TankPro. TankPro is to address the Mall Altitude valve operating issues, minor items at both sites, and submit the final closeout documents.

Facility Construction Project Photos – April 2024

#2207 WESLEY OAKS CIRCLE WATERMAIN IMPROVEMENTS (55% - JUNE 2024)



- 1. WDD Crew Members are preparing to install fittings to tie in the newly installed 8-inch watermain at 514 Welsey Oak Circle.**
- 2. WDD Crew Members installed a fire hydrant which is connected to the newly installed 8-inch watermain at 502 Welsey Oak Circle.**
- 3. WDD Crew Members and JJ Cable and Construction Crew Members (D&C Directional Boring Subcontractor) are working together to fix a 2-inch waterline break at 524 Wesley Oak Circle.**

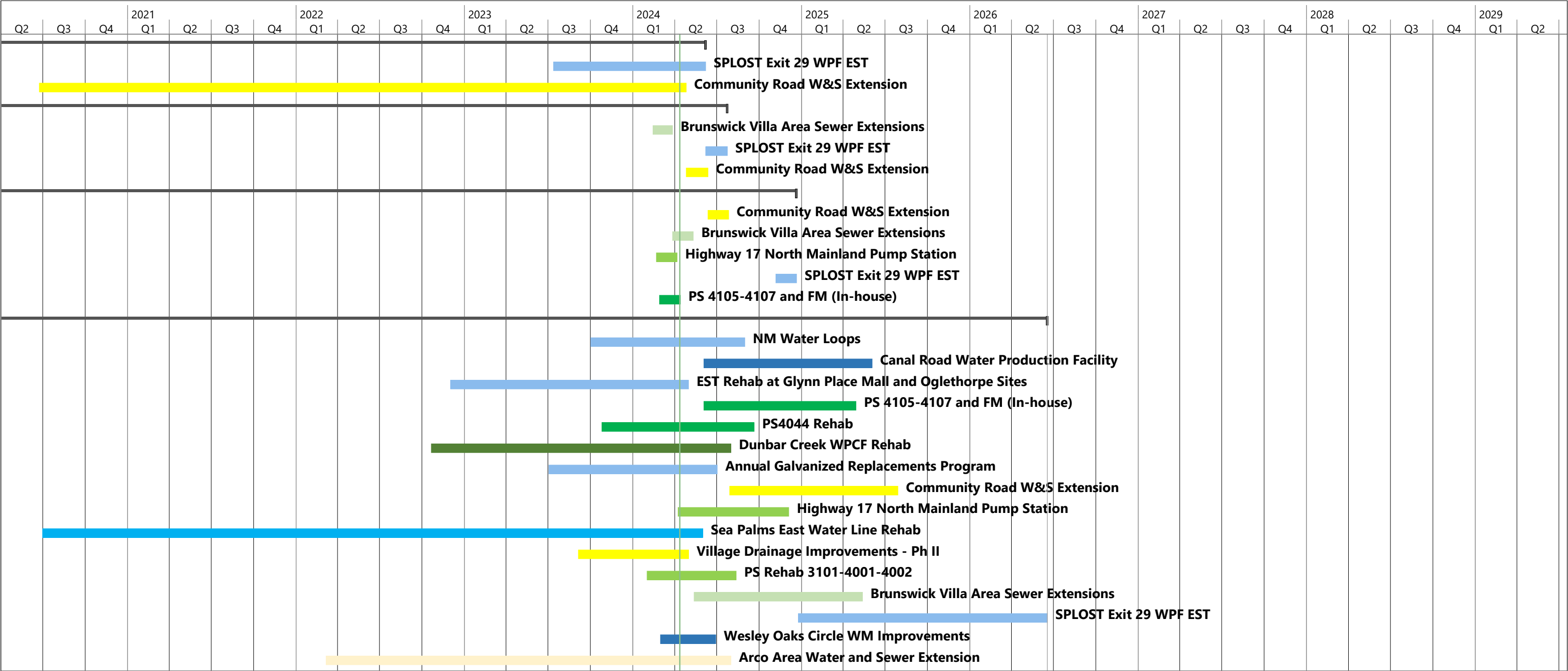
									BUDGET VS. EXPENDITURES														STATUS	
Proj #	Project Name	Programmed Completion Date	Current/Actual Completion Date	Phase	Project Director/ Project Manager	Concept Design 30%	Detail Design 60-90-100%	Construction	BOC APPROVED FUNDING & SOURCE				COMMITTED			EXPENDITURES				BALANCE	% Funds Committed	Status		
									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 Financing (Original Approved Budget - Total Expenditures)				
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	\$1,673,892	\$625,722	\$164,562	\$2,464,176	\$723,824	77.30%	Two additional generators delivered. Awaiting startup of automatic transfer switches from manufacturer. Bid documents being prepared for installation of permanent generators.		
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	\$12,240,086	\$18,519	\$50,107	\$12,308,712	\$5,454,722	179.58%	Filter hydraulic improvements have been completed. Improvements are untested due to issues with filter media discovered when tanks were drained for work. Staff is working with manufacturer to determine solution.		
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	Apr 2025	Design	Kline/Patel	JWSC	Robers Civil Engineering	TB Landmark Construction Inc	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0		TB Landmark was awarded a construction contract for \$2,325,582.00. Contract execution is pending, and a pre-construction meeting is anticipated to be held in May.		
2009	Sea Palms East Water Line Rehab	TBD	TBD	Design	Simmons	JWSC	JWSC	TB Landmark Construction Inc	\$0	\$0	\$178,595	\$178,595	\$36,548	\$0	\$36,548	\$36,548	\$0	\$1,156	\$37,704	\$140,891	21.11%	Working with a private contractor to facilitate the installation of a new crossing near North Windward Drive. For the Palm Dr/Federica WM Crossing, the construction contract was awarded to TB Landmark for \$244,542.00. Contract execution is pending, and an anticipated pre-construction meeting is to be held in May.		
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	Thomas & Hutton	\$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 2025	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 \$2.6 M.		
2021	Annual Galvanized Replacements Program	Jul 2023	Jul 2024	Const.	Simmons	JWSC	JWSC	JWSC	\$750,000	\$0	\$0	\$750,000	\$496,681	\$0	\$496,681	\$467,473	\$129,480	\$1,450	\$595,503	\$154,497	79.40%	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	\$0	\$20,600	\$15,859,994	\$2,340,006	87.14%	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	Apr 2024	Const.	Kline/Patel	JWSC	Thomas & Hutton	UWS Inc	\$0	\$0	\$3,500,000	\$3,500,000	\$3,744,090	\$209,174	\$3,953,264	\$2,356,171	\$1,597,093	\$0	\$3,953,264	-\$453,264	112.95%	Sewer installation along alleys ongoing. Project approximately 60% complete. Multiple crews mobilized to faciliate installation of water and sewer.		
2102	Canal Road Water Production Facility	Aug 2023	Jun 2025	Const.	Kline/Vo	Thomas & Hutton	Thomas & Hutton	Reeves Young LLC	\$1,850,000	\$0	\$0	\$1,850,000	\$5,394,800	\$0	\$5,394,800	\$127,710	\$5,167,000	\$0	\$5,294,710	-\$3,444,710	286.20%	NTP is scheduled for 06/03/2024. RY survey crew were onsite for preliminary survey and staking activities 04/03/2024. Laydown yard pending Glynn County approval. Contractor is working submittals and securing materials.		
2103	NM Water Loops	Dec 2022	Aug 2024	Const.	Kline/Vo	Four Waters Engineering, Inc.	Four Waters Engineering, Inc.	Vallencourt Counstruction Co	\$1,250,000	\$0	\$0	\$1,250,000	\$3,210,458	\$0	\$3,210,458	\$2,816,661	\$393,797	\$0	\$3,210,458	-\$1,960,458	256.84%	The contractor is ahead of schedule. Substantial Completion inspection held on 03/25/2024. Contractor to address final punchlist items and submit final documents for project closeout is pending.		
2104	PS 4002 Rehab	TBD	Sep 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%	Construction progress meeting held 04/02/2024. Demolition and structural repairs are ongoing.		
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	\$55,873	\$2,004,134	\$0	\$2,060,007	-\$1,510,007	374.55%	Construction Progress meeting held 04/09/2024. Contractor is working on submittals and securing materials.		
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	\$6,227,952	\$3,625,604	\$900	\$9,854,456	-\$454,456	104.83%	Reuse system started up. Working ongoing for new splitter box for clarifiers. Permitting activities underway for expansion of permit. Floor poured for new clarifier. Clarifier completion scheduled for July 2024.		
2108	PS 4001 Rehab	TBD	Sep 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%	Construction progress meeting held 04/02/2024. The updated schedule was provided, and the contractor anticipates mobilizing onsite for demo activities on 06/22/2024.		
2109	Hwy 17 North Pump Station	TBD	TBD	Design	Kline/Patel	JWSC	JWSC	TBD	\$400,000	\$0	\$0	\$400,000	\$34,927	\$0	\$34,927	\$32,105	\$2,822	\$0	\$34,927	\$365,073	8.73%	Construction contract awarded to POPCO Inc for \$1,172 044.78. Awaiting contract execution and anticipated pre-construction meeting to be held in May.		
2110	PS 3101 Rehab	TBD	Sep 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%	Construction progress meeting held 04/02/2024. The updated schedule was provided, and the contractor anticipates mobilizing onsite for demo activities on 06/24/2024.		
2201	Academy Creek RAS Replacements	TBD	TBD	Design	Burroughs	JWSC	JWSC	Reeves Young LLC	\$1,500,000	\$0	\$0	\$1,500,000	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$1,500,000	0.00%	Finalizing contract documents and scheduling preconstruction kickoff meeting.		
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 Oglethrope Sites	June 2023	Mar 2024	Const.	Kline/Vo	JWSC	JWSC	TankPro	\$1,000,000	\$0	\$0	\$1,000,000	\$1,441,022	\$0	\$1,441,022	\$1,256,372	\$197,400	\$0	\$1,453,772	-\$453,772	145.38%	CTS inspection was completed at both Tanks on 02/23/2024, but issues remain pending resolution by the Contractor. Followup email requesting status sent to Contractor 04/05/2023. Followup meeting held with CTS to discuss project closeout 04/12/2024.		
2204	PS 2056 Pumps and FM Improvements	TBD	TBD	Design	Burroughs	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	Burroughs	JWSC	JWSC	TBD	\$1,400,000	\$0	\$0	\$1,400,000	\$117,813	\$0	\$117,813	\$0	\$117,813	\$0	\$117,813	\$1,282,187	8.42%	Electrical parts ordered. Staff finalizing electrical contractor quotes for Commission consideration.		
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	Jun 2024	Const.	Simmons	JWSC	JWSC	D&C Directional Boring, LLC.	\$450,000	\$0	\$0	\$450,000	\$183,297	\$0	\$183,297	\$82,857	\$100,440	\$0	\$183,297	\$266,703	40.73%	New mains mostly installed. Staff working on installing services. Punchlist items remain for contractor..		

									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 Spending (Original Approved Budget - Total Expenditures)		Status	
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%	Scheduling removal of sheds from the admin building parking lot to free up available space. Flood light being relocated to free up parking as well.	
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	\$320,970	\$230,210	\$0	\$551,180	\$2,198,820	20.04%	3 bids received. Apparent low bidder is Southeast Pipe Survey at \$4,545,060.50. Construction contract on agenda for approval. Coordinating construction with Glynn County resurfacing project.	
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 SPLOST 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	\$29,275	\$2,275	\$42,404	\$3,707,596	1.13%	Antidegradation analysis proposal approved. Staff has fulfilled initial data request by 4Waters for work. 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. Water and sewer installation complete. Pay app under JWSC review	
2213	Exit 42 Elevated Storage Tank	TBD	TBD	Design	Kline/Patel	JWSC	JWSC	TBD	\$0	\$0	\$3,000,000	\$3,000,000	\$22,813	\$0	\$22,813	\$16,663	\$6,150	\$0	\$22,813	\$2,977,187	0.76%	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	Burroughs	BRW/HGB	HGB	Reeves Young LLC	\$1,900,000	\$0	\$0	\$1,900,000	\$644,000	\$0	\$644,000	\$874,000	\$46,000	\$0	\$920,000	\$980,000	48.42%	Finalizing contract documents and scheduling preconstruction kickoff meeting.	
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	\$56,935	\$173,545	\$0	\$230,480	\$5,769,520	3.84%	60% EOPC is \$14.32M. Terracon Ph-1 ESA onsite activities 03/24/2024. Terracon Soil Boring Activities 03/29/2024. 60% Constructibility Walk-Thru and 60% SCADA/Electrical integration meeting onsite held 04/05/2024.	
2401R	PS 2001/2002 Rehab	TBD	TBD	Design	Burroughs	JWSC	JWSC	TBD	\$1,350,000	\$0	\$0	\$1,350,000	\$82,153	\$0	\$82,153	\$0	\$82,153	\$0	\$82,153	\$1,267,847	6.09%	Electrical parts ordered. Staff finalizing electrical contractor quotes for Commission consideration.	
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	\$54,288,225	\$11,745,540	\$66,033,765	\$46,277,569	\$16,638,007	\$340,686	\$63,256,262	\$34,549,323			

Phase	Amount
Master	1
Design	17
Const.	16
On Hold	7
Complete	2
Total Projects	43

Project Director/ Project Manager	Total PO+CO	Total Expenditures
Burroughs	\$25,366,348	\$25,896,090
Kline	\$2,897,278	\$2,996,048
Kline/Patel	\$4,011,004	\$4,011,004
Kline/Vo	\$12,336,767	\$12,249,427
Patel	\$1,458,746	\$1,427,195
Roberts/Head	\$19,247,096	\$15,859,994
Simmons	\$716,526	\$816,504
Young	\$0	\$0
Total	\$66,033,765	\$63,256,262

PM	Burroughs	Roberts	Kline	Vo	Patel	Simmons	Head	Young
Total PO+CO	\$25,366,348	\$19,247,096	\$19,245,049	\$12,336,767	\$5,469,750	\$716,526	\$19,247,096	\$0
Total Expenditures	\$25,896,090	\$15,859,994	\$19,256,479	\$12,249,427	\$5,438,199	\$816,504	\$15,859,994	\$0
Percentage Spent	102.09%	82.40%	100.06%	99.29%	99.42%	113.95%	82.40%	#DIV/0!
Total Projects (includes Master/Sub-projects)	13	1	21	7	8	3	1	1



Project: Capital Projects Gantt C
Date: Fri 4/12/24

Task

Split

Milestone

Summary

Project Summary

Inactive Task

Inactive Milestone

Inactive Summary

Manual Task

Duration-only

Manual Summary Rollup

Manual Summary

Start-only

Finish-only

External Tasks

External Milestone

Deadline

Baseline

Baseline Milestone

Baseline Summary

Progress

Manual Progress

Page 2

Capital Projects Earned Value Analysis
Financial Data as of 04/12/2024

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	Chatham Engineering	Y-Delta, Inc.	\$ 3,188,000.00	\$ 3,188,000.00	\$ 1,262,448.00	\$ 1,956,042.18	\$ (1,212,968.49)	\$ (693,594.18)	\$ 2,983,458.27	\$ 4,939,500.45	\$ (1,751,500.45)	0.40	0.65	1.56
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	\$ 2,900,250.00	\$ 2,657,294.50	\$ (2,087,420.00)	\$ 242,955.50	\$ 824,377.46	\$ 3,481,671.96	\$ 318,328.04	0.76	1.09	0.79
2018	Meter Replacements	Roberts	JWSC	N/A	Delta Municipal Supply	\$ 18,450,000.00	\$ 7,318,082.19	\$ 18,448,180.00	\$ 15,972,041.28	\$ 11,130,097.81	\$ 2,476,138.72	\$ 1,575.72	\$ 15,973,617.00	\$ 2,476,383.00	2.52	1.16	0.00
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	\$ 300,505.05	\$ 478,847.97	\$ (449,494.95)	\$ (178,342.92)	\$ 716,259.99	\$ 1,195,107.96	\$ (445,107.96)	0.40	0.63	1.66
2102	Canal Road WPF	Vo	T&H	T&H	Reeves Young	\$ 1,850,000.00	\$ 225,800.00	\$ 151,286.00	\$ 127,710.00	\$ (74,514.00)	\$ 23,576.00	\$ 1,433,991.02	\$ 1,561,701.02	\$ 288,298.98	0.67	1.18	0.99
2103	North Mainland Water Loops	Vo	4Waters	4Waters	Vallencourt Construction	\$ 1,250,000.00	\$ 832,460.61	\$ 1,222,334.50	\$ 2,816,661.36	\$ 389,873.89	\$ (1,594,326.86)	\$ 63,750.43	\$ 2,880,411.79	\$ (1,630,411.79)	1.47	0.43	-0.02
2104	PS 4002 Rehab	Kline	Kimley-Horn	Kimley-Horn	Popco, Inc.	\$ 650,000.00	\$ 229,888.89	\$ 82,100.00	\$ 61,593.98	\$ (147,788.89)	\$ 20,506.02	\$ 426,056.29	\$ 487,650.27	\$ 162,349.73	0.36	1.33	0.97
2105	PS 4044 Rehab	Kline	LEA	LEA	Popco, Inc.	\$ 550,000.00	\$ 326,816.67	\$ 73,168.88	\$ 55,872.50	\$ (253,647.79)	\$ 17,296.38	\$ 364,113.12	\$ 419,985.62	\$ 130,014.38	0.22	1.31	0.96
2106	Dunbar Creek WPCF Rehab	Burroughs	BRW/HGB	HGB	BRW	\$ 9,338,893.30	\$ 8,527,249.46	\$ 6,021,704.37	\$ 6,873,584.42	\$ (2,505,545.09)	\$ (851,880.05)	\$ 3,786,465.88	\$ 10,660,050.30	\$ (1,321,157.00)	0.71	0.88	1.35
2108	PS 4001 Rehab	Kline	Kimley-Horn	Kimley-Horn	Popco, Inc.	\$ 400,000.00	\$ 134,666.67	\$ 26,800.00	\$ 36,583.94	\$ (107,866.67)	\$ (9,783.94)	\$ 509,445.02	\$ 546,028.96	\$ (146,028.96)	0.20	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	\$ 128,092.59	\$ 26,800.00	\$ 36,583.94	\$ (101,292.59)	\$ (9,783.94)	\$ 475,318.21	\$ 511,902.15	\$ (136,902.15)	0.21	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	\$ 1,256,372.00	\$ (10,000.00)	\$ (266,372.00)	\$ 12,690.63	\$ 1,269,062.63	\$ (269,062.63)	0.99	0.79	-0.04
2207	Wesley Oaks Circle Water Main Improvements	Burroughs	JWSC	JWSC	D&D Directional Drilling	\$ 450,000.00	\$ 450,000.00	\$ 247,500.00	\$ 82,856.95	\$ (202,500.00)	\$ 164,643.05	\$ 67,792.05	\$ 150,649.00	\$ 299,351.00	0.55	2.99	0.55
2208	JWSC Facilities Improvements	Crosby	JWSC	N/A	Multiple	\$ 450,000.00	\$ 450,000.00	\$ 105,500.00	\$ 106,999.00	\$ (344,500.00)	\$ (1,499.00)	\$ 349,394.84	\$ 456,393.84	\$ (6,393.84)	0.23	0.99	1.00
2209	Brunswick Villa Area Sewer Extensions	Patel	JWSC	Kimley-Horn	TBD	\$ 2,750,000.00	\$ 2,750,000.00	\$ 322,881.17	\$ 320,970.00	\$ (2,427,118.83)	\$ 1,911.17	\$ 2,412,752.41	\$ 2,733,722.41	\$ 16,277.59	0.12	1.01	1.00
2215B	Highway 341/Crispen Boulevard Repairs	Kline	N/A	N/A	Popco, Inc.	\$ 679,000.00	\$ 679,000.00	\$ 679,000.00	\$ 679,000.00	\$ -	\$ -	\$ -	\$ 679,000.00	\$ -	1.00	1.00	#DIV/0!
2216S	SPLOST EXIT 29 WPF & EST	Kline	N/A	T&H	TBD	\$ 6,000,000.00	\$ 192,765.09	\$ 172,860.00	\$ 57,501.81	\$ (19,905.09)	\$ 115,358.19	\$ 1,938,395.79	\$ 1,995,897.60	\$ 4,004,102.40	0.90	3.01	0.98
TOTALS						\$ 55,494,488.30	\$ 34,546,417.17	\$ 34,240,394.84	\$ 35,038,641.82	\$ (306,022.33)	\$ (798,246.98)	\$ 19,879,358.90	\$ 54,918,000.72	\$ 576,487.58	0.99	0.98	1.04

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