



Brunswick-Glynn County Joint Water and Sewer Commission
1703 Gloucester Street, Brunswick GA 31520
Wednesday, December 14, 2022 at 1:00 PM
Commission Meeting Room

FACILITIES COMMITTEE MEETING AGENDA

COMMITTEE MEMBERS:

Committee Chairman Ben Turnipseed
Commissioner Bob Duncan
Commissioner Chuck Cook
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 November 16, 2022 Facilities Committee Meeting (subject to any necessary changes)** [Report](#)
2. **Bid Rejection – PS3101, PS4001, and PS4002 Rehab Project** – A. Burroughs [Report](#)
3. **Paving Services for Rose Cottage Lane** – A. Burroughs [Report](#)
4. **Academy Creek WPCF Grit Panel Replacement** – A. Burroughs [Report](#)
5. **ARCO Area Water & Sewer Expansion Project – Change Order No. 2** – T. Kline [Report](#)
6. **Leasing of Airport Property – Canal Road Water Production Facility** – T. Kline [Report](#)

DISCUSSION

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

MEETING ADJOURNED

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



Brunswick-Glynn Joint Water & Sewer Commission
1703 Gloucester Street, Brunswick, GA 31520
Commission Meeting Room
Wednesday, December 14, 2022 at 1:00 PM

FACILITIES COMMITTEE MINUTES

PRESENT:

Ben Turnipseed, Chairman
Bob Duncan, Commissioner
Charles Cook, Commissioner
Andrew Burroughs, Executive Director

ALSO PRESENT:

Todd Kline, Director of Engineering
LaDonnah Roberts, Deputy Executive Director
David Owens, Director of Finance
Janice Meridith, Executive Commission Administrator

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

Chairman Turnipseed provided the invocation.

PUBLIC COMMENT PERIOD

Brian Turner – Rose Cottage Lane – Mr. Turner addressed the Committee with advice that the Hamilton HOA is in support of the approval of repaving Rose Cottage Lane. He noted that this is a private road for which the HOA funds necessary maintenance. He briefly highlighted the events assumed to have caused damages to Rose Cottage Lane. According to Mr. Turner's notes Rose Cottage Lane has been damaged since the trenching was done improperly by the contractor, and there was no damage prior to the roadwork done. He added that the other roads in their neighborhood do not have the same problems. There was brief discussion pertaining to the current age of the road having been paved about 25 years ago, how long it has been since the pipe installation, and standard terms of warranty on paved roadways.

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

APPROVAL

1. Minutes from Facilities Committee Meeting November 16, 2022

Commissioner Cook made a motion seconded by Commissioner Duncan to approve the minutes from the Facilities Committee Meeting held on November 16, 2022. Motion carried 3-0-0.

2. Bid Rejection – PS3101, PS4001, and PS4002 Rehab Project - A. Burroughs

Mr. Burroughs noted this IFB was released on November 3rd with only one bid being received. The one bid was from POPCO in the amount of \$3,853,900.00 and included the rehab scope of work for all three pump stations. Each of the pump station rehabs is funded separately. With a combined budgeted amount of \$1,425,000.00 and an engineer's cost estimate of \$2,575,800.00, the bid price of \$3,853,900.00 submitted by the only bidder, POPCO, Inc., exceeds both by a substantial amount. Staff recommended that the JWSC reject the bid for the project as specified. Staff will work with the consulting engineer to rework the scope of the project and re-advertise the project in the near future.

Commissioner Cook made a motion seconded by Commissioner Duncan that the Facilities Committee recommend the full Commission reject the bid for IFB 23-013 for Rehabilitation of PS3101, PS4001, and PS4002, amend the scope and re-advertise the project. Motion carried 3-0-0.

3. Paving Services for Rose Cottage Lane – A. Burroughs

Mr. Burroughs stated that the force main from Pump Station 2030 runs along Rose Cottage Lane and was installed approximately six years ago. The roadway has experienced trench settlement along the force main route. JWSC has paved a smaller section of the roadway in the past two years, but additional settlement has occurred. Staff received two quotes for the work which includes approximately 1,300 linear feet of full width milling and resurfacing with 1.5 inches of asphalt along Rose Cottage Lane. Staff contacted paving contractors throughout southeast Georgia and northeast Florida to complete this work and received quotes from two (2) contractors. J. Hiers Company, Inc. quoted \$87,750.00, and Allen Owens Construction and Paving, Inc.'s quote came in at \$103,718.50. Mr. Kline provided the GIS map on the monitors to aid in the explanation and to further clarify some details.

Commissioner Cook made a motion seconded by Commissioner Duncan that the Facilities Committee recommend that the full Commission award a contract in the amount of \$82,750.00 to J. Hiers Company, Inc. for the paving of Rose Cottage Lane.

After further discussion of repaving the road and the assumed work quality of the contractor who repaved the road 6 to 7 years ago, Chairman Turnipseed commented that compaction tests should be done after the milling of the road. Commissioner Duncan suggested that JWSC talk to Glynn County about warranties on paving jobs regarding responsibility to do repairs on issues and what is considered "reasonable". He also noted that this road is no different than any other public or private road, and he cannot support placing this expense on JWSC's ratepayers. After discussion and reconsideration, the Committee voted against the motion with intent to revisit the matter with the full Commission on Thursday. Mr. Burroughs will obtain more information on warranties and the Glynn County Standards for paved roadways.

Motion carried 0-3-0. (Chairman Turnipseed, Commissioner Duncan and Commissioner Cook unanimously voted against the motion.)

4. Academy Creek WPCF Grit Screen Replacement – A. Burroughs

Mr. Burroughs provided that the Academy Creek Water Production Control Facility has been undergoing extensive rehab since December 2020. Replacements of the bar screens was included, but no work was included on the grit removal system immediately downstream of the bar screens. With the new bar screens online, a review of grit system operations has been performed. It has been determined that with a replacement of the control panels for these systems would be beneficial. Two quotes were received for the construction and install of new control panels as well as SCADA integration of the new panels. Pump & Process Equipment quoted \$44,060.00, yet this quote does not include SCADA integration of the new panels. Electric Machine Control quoted \$44,314.00 including the SCADA integration of the new panels. It was noted that EMC has been the SCADA integrator for the JWSC for approximately 5 years. Given the closeness of the two quotes, staff recommends moving forward with a single contract award to

Electric Machine Control in the amount of \$44,314.00. Having a single contractor will make integration more seamless and eliminate potential concerns of liability if something does not function as intended.

Commissioner Cook made a motion seconded by Commissioner Duncan that the Facilities Committee recommend the full Commission approve a contract award to Electric Machine Control, Inc. in the amount of \$44,314.00 for grit system control panel replacement at the Academy Creek WPCF. Motion carried 3-0-0.

5. ARCO Area Water & Sewer Expansion Project – Change Order No. 2 – T. Kline
Mr. Kline highlighted the details of the requested change order for the ARCO Area Water & Sewer Extension Project. The recommendation letter was received from Thomas & Hutton Engineering Co. on December 7th. The Contractor has requested additional funding in the amount of \$43,170.00 and an additional 150 days of contract time. The increase in funding compensates for additional sewer installation to increase services. The design modification solves potential issues of surcharging/back-ups in the future and eliminates the need for obtaining easements to facilitate the installation of sewer per the original plan. The additional 150 days contract time is requested due to supply chain delays for manhole structures/materials, permitting, and sewer re-route design changes.

Commissioner Cook made a motion seconded by Commissioner Duncan that the Facilities Committee recommend approval of Change Order No. 2 to the Arco Area Water & Sewer Extension to UWS, INC to increase the contract amount by \$43,170.00 and contract time by 150 consecutive calendar days. Motion carried 3-0-0.

6. Leasing of Airport Property – Canal Road Water Production Facility – T. Kline
Mr. Kline stated that the JWSC staff is requesting authorization to apply to lease airport property from the Glynn County Airport Commission for the future Canal Road Water Production Facility. The application and real estate fee are for a sublease and future relinquishment of the existing site and additional property that is needed to build the Canal Road Water Production Facility improvements off Harry Driggers Boulevard to include a ground storage water tank and associated pump control building. In addition to the existing site, an additional 100' x 110' property be acquired from the airport commission with the purpose to expand the existing JWSC Canal Road Well Site #BVWK117/W. Mr. Burroughs added that this request is only to apply for the lease. If the lease is approved, staff will come back to the Board for final approval. The land would be deeded after the roundabout is completed by Glynn County.

Commissioner Cook made a motion seconded by Commissioner Duncan that the Facilities Committee recommend that the full Commission authorize the Chairman to execute necessary documents to apply for leasing of property from the Glynn County Airport Commission for the Canal Road Water Production Facility. Motion carried 3-0-0.

DISCUSSION

1. Water Production Report – A. Burroughs

Mr. Burroughs presented the Water Production Report for the month of November 2022 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

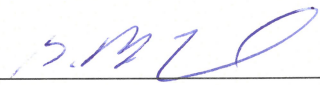
Mr. Burroughs reviewed the monthly Wastewater Flow Reports with the Commissioners. This report contains data regarding the influent and effluent flows, concentration of elements and chemicals, plant capacity, etc. November 2022 was a much drier month compared to October. The influent flow at Academy Creek for November was 5.6 MGD as compared to October at 6.1. The effluent flow for November went down from 6.5 to 5.8 MGD, with the plant operating at 43% of its capacity. The influent flow at Dunbar Creek was down to 3.0 from the previous 3.2 MGD and the effluent flow decreased to 3.0 MGD, with the plant operating at 74% capacity. The influent flow at South Port was at 0.407 and the effluent flow reported at 0.368, with the plant operating at 25% capacity. JWSC's wastewater treatment plants are operating very well.

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

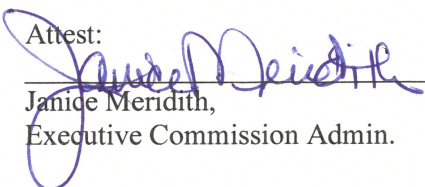
Mr. Kline and Mr. Burroughs presented an update on the November Monthly Project Report for Capital Projects currently in process including those in the engineering phase and those in construction. The Commissioners were provided with a packet containing: the Capital Project Photographs, Capital Project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

There being no further business, Chairman Turnipseed requested a motion to adjourn the meeting.

Chairman Turnipseed adjourned the meeting at 2:06 p.m.



G. Ben Turnipseed,
Committee Chairman

Attest:


Janide Meridith,
Executive Commission Admin.



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1703 Gloucester Street, Brunswick, GA 31520
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FACILITIES COMMITTEE MINUTES

PRESENT:

Ben Turnipseed, Chairman
Bob Duncan, Commissioner
Charles Cook, Commissioner
Andrew Burroughs, Executive Director

ALSO PRESENT:

Todd Kline, Director of Engineering
Charles Dorminy, HBS Legal Counsel
LaDonnah Roberts, Deputy Executive Director
David Owens, Director of Finance
Janice Meridith, Executive Commission Administrator

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

Chairman Turnipseed provided the invocation.

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 October 19, 2022

Commissioner Cook made a motion seconded by Commissioner Duncan to approve the minutes from the Facilities Committee Meeting held on October 19, 2022. Motion carried 3-0-0.

2. IGA with Glynn County – Village Drainage Project Phase 2 A. Burroughs

Mr. Burroughs provided that Glynn County has bid out the Village Drainage Improvement Phase II Project. The JWSC agreed to finance the water and sewer portions of that project when it received funds from the County through the American Rescue Plan Act of 2021 (“ARPA”). This memorandum reaffirms the JWSC’s commitment to meet this obligation and also provides the dollar amount of the project (\$217,324.80). This amount will go toward necessary improvements to water and sewer infrastructure as allowed under the ARPA. Staff has reviewed the Memorandum of Understanding with Glynn County and finds it acceptable. The JWSC can and will assist with the funding of the necessary water and sewer portions of the Village Drainage Improvement Phase II project and the improvements will prove beneficial to the JWSC and the public. Mr. Burroughs clarified for the Committee that Glynn County is the contract holder and will invoice JWSC via the Memorandum of Understanding. Additionally, he noted that while the County is doing the work, JWSC should replace galvanized pipes, etc.

Commissioner Duncan made a motion seconded by Commissioner Cook to move that the Brunswick-Glynn Joint Water and Sewer Commission Facilities Committee forward to full Commission the Memorandum of Understanding with Glynn County regarding Financing of Water and Sewer Improvements for the Village Drainage Improvement Phase II with ARPA Funds, with a recommendation to approve the same. Motion carried 3-0-0.

3. Paving Services for Rose Cottage Lane – A. Burroughs

Mr. Burroughs stated that JWSC has been attempting to receive quotes on a large asphalt repair due to completed work on St. Simons Island. The force main from Pump Station 2030 runs along Rose Cottage Lane and was installed approximately six years ago. The roadway has experienced trench settlement along the force main route. JWSC has paved a smaller section of the roadway in the past two years, but additional settlement has occurred. JWSC staff struggled to receive paving quotes for this area but was able to get two quotes for the work which includes approximately 1,300 linear feet of full width milling and resurfacing with 1.5 inches of asphalt along Rose Cottage Lane. Given the additional settlement that has occurred, staff believes it is appropriate to mill and repave the areas already patched to ensure a uniform product upon completion. Staff contacted paving contractors throughout southeast Georgia and northeast Florida to complete this work and received quotes from two (2) contractors. J. Hiers Company, Inc. quoted \$87,750.00, and Allen Owens Construction and Paving, Inc.'s quote came in at \$103,718.50. Mr. Kline provided the GIS map on the monitors to aid in the explanation and to further clarify some details. Commissioner Cook inquired as to road striping being required after paving and Mr. Burroughs responded that it is not striped now and would not be required after repair.

Commissioner Cook made a motion seconded by Commissioner Duncan to move that the Facilities Committee recommend that the full Commission award a contract in the amount of \$82,750.00 to J. Hiers Company, Inc. for the paving of Rose Cottage Lane.

After further discussion on the need for repaving the road and the poor job quality of the contractor who repaved the road 6 to 7 years ago, Chairman Turnipseed stated that compaction tests are to be done after the milling of the road. Commissioner Duncan suggested that JWSC talk to Glynn County about warranties on jobs regarding responsibility to do repairs on issues and what is considered "reasonable". After discussion and reconsideration, the Committee voted against the motion with intent to revisit the matter with the full Commission on Thursday. Mr. Burroughs will obtain more information on warranties and the Glynn County Standards for paved roadways.

Motion carried 0-3-0. (Chairman Turnipseed, Commissioner Duncan and Commissioner Cook unanimously voted against.)

4. Dedication of Easements and Infrastructure – T. Kline

• Perry Place – Dedication of Infrastructure and Easement

Mr. Kline advised that the Owner of Record, Perry Place L.P., wishes to convey a water easement and dedicate sanitary sewer infrastructure. They have submitted legal documents to: 1) define and execute the transfer of ownership; and, 2) convey a water easement for access and maintenance. JWSC inspection records indicate the infrastructure was constructed to JWSC Standards, is functioning and is in acceptable condition. This includes the portion of sewer line installed. Staff recommends acceptance and approval of this dedication.

Commissioner Duncan made a motion seconded by Commissioner Cook to move that the Facilities Committee forward this project with associated Dedication Application and Easement to the full Commission for approval and acceptance. Motion carried 3-0-0.

5. Property Acquisition – Exit 42 Elevated Storage Tank Site – A. Burroughs

Mr. Burroughs advised that the Brunswick and Glynn County Development Authority has property located near the intersection of Highway 99 and Interstate 95 that is ideally located for the construction of a water storage tank. The Development Authority has agreed to sell the JWSC the land required for the construction of the water storage tank. In exchange for the land, the Development Authority asks that the JWSC paint a logo on the water tank to the benefit of the Development Authority. The Development Authority will work with the JWSC to provide drawings of the logo to maintain the high standard of appearance of existing JWSC infrastructure. There will be no exchange of funds. The Development Authority logo is being provided in exchange for the parcel of land. Staff has reviewed the Intergovernmental Purchase Agreement with the Brunswick and Glynn County Development Authority and finds it acceptable. The JWSC can and will comply with any and all obligations under the Agreement and finds that the property will prove beneficial to the JWSC and the public as the location for a water storage tank.

Commissioner Duncan made a motion seconded by Commissioner Cook to move that the Brunswick-Glynn Joint Water and Sewer Commission Facilities Committee forward to the full Commission the Intergovernmental Purchase Agreement with the Brunswick and Glynn County Development Authority for the purchase of property to locate a future water storage tank, with a recommendation to approve the same. Motion carried 3-0-0.

6. Property Acquisition – Highway 17 North Pump Station Site – A. Burroughs

Mr. Burroughs stated that the JWSC is in need of a pump station located off Highway 17 near the Golden Shores subdivision. The owner of the subdivision has agreed to exchange the necessary land if the JWSC will agree to take over the possession and maintenance of the existing water and sewer infrastructure in the Golden Shores subdivision. The infrastructure is not currently up to code, however, with the addition of a new station on the exchanged parcel, the system will be acceptable. This new station will enable the JWSC to serve several nearby subdivisions and increase the customer base. The owner will exchange the land for JWSC taking over the current station as it is upon signing of the documents.

Commissioner Cook made a motion seconded by Commissioner Duncan to move that the Facilities Committee of the Brunswick-Glynn Joint Water and Sewer Commission forward to the full Commission with recommendation for approval the purchase of the pump station parcel in exchange for taking over possession and maintenance of the water and sewer infrastructure of Golden Shores. Motion carried 3-0-0.

DISCUSSION

1. Water Production Report – A. Burroughs

Mr. Burroughs presented the Water Production Report for the month of October 2022 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 monthly Wastewater Flow Reports with the Commissioners. This report contains data regarding the influent and effluent flows, concentration of elements and chemicals, plant capacity, etc. October 2022 was a much drier month compared to September. The influent flow at Academy Creek for October was 6.1 MGD as compared to September at 10.4. The effluent flow for

October went down from 10.7 to 6.5 MGD, with the plant operating at 48% of its capacity. The influent flow at Dunbar Creek was down to 3.2 from the previous 4.2 MGD and the effluent flow decreased to 3.1 MGD, with the plant operating at 78% capacity. The influent flow at South Port was at 0.309 and the effluent flow reported at 0.373, with the plant operating at 25% 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 October 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 thoroughly presented the update by discussing each project along with excellent photographs and descriptive details.

There being no further business, Chairman Turnipseed requested a motion to adjourn the meeting.

Chairman Turnipseed adjourned the meeting at 2:15 p.m.

G. Ben Turnipseed, Chairman

Attest:

Janice Meridith,
Executive Commission Admin.



Brunswick-Glynn

Joint Water and Sewer Commission

Memorandum

To: Facilities Committee
From: Andrew Burroughs, Executive Director
Date: Wednesday, December 14, 2022
Re: Bid Rejection – PS3101, PS4001, and PS4002 Rehab

Background

The JWSC issued Invitation for Bids No. 23-013 Construction Services for Rehabilitation of PS3101, PS4001 and PS4002 on Thursday, November 3, 2022. The proposed construction consists of temporary flow bypassing, electrical/SCADA upgrades, and pump/piping modifications at all three (3) stations plus additional structural rehabilitation of the roof and dry pit at PS4002. A mandatory pre-bid meeting with site visit was held on Friday, November 18, 2022, and was attended by four (4) construction firms. One (1) Bid was submitted to JWSC on Wednesday, December 7, 2022, from Popco, Inc. in the amount of \$3,853,900.00.

Staff Report

Funding for this project will come from the R&R funds. Each of the pump station rehabs is funded separately. With a combined budgeted amount of \$1,425,000.00 and an engineer's cost estimate of \$2,575,800.00, the bid price of \$3,853,900.00 submitted by the only bidder, Popco, Inc., exceeds both by a substantial amount.

Recommended Action

Staff recommends that the JWSC reject the bid for the project as specified. Staff will work with the consulting engineer to rework the scope of the project and re-advertise the project in the near future.

Recommended Motion

"I move that the Facilities Committee recommend the full Commission reject the bid for IFB 23-013 for Rehabilitation of PS3101, PS4001, and PS4002, amend the scope and re-advertise the project."

Enclosures

Bid Tabulation



December 8, 2022

Mr. Todd Kline, P.E.
Brunswick-Glynn County Joint Water & Sewer Commission
1703 Gloucester Street
Brunswick, GA 31520

RE: IFB No. 23-013 -Construction Services for Pump Station No. 3101, 4001, & 4002 - Bid Results and Recommendation

Dear Mr. Kline:

On December 7, 2022 Brunswick-Glynn County Joint Water Sewer Commission (BGJWSC) received a single bid from Popco, Inc. for IFB No. 23-013 - Construction Services for Pump Station No. 3101, 4001, & 4002. Attached is a bid tabulation of the submitted bid.

Popco, Inc. provided a bid in the amount of \$3,853,309.00. The Engineer's Opinion of Probable Cost (EOPC) for the project was estimated to be \$2,575,800.00. The bid is approximately 150% higher than the EOPC. A review of the bid indicates that bid item prices for several items are higher than industry trends. BGJWSC staff received feedback from qualified contractors who did not bid on this project, that there is a shortage of availability from electrical contractors to perform the work.

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

- Engage the construction community to identify additional qualified contractors;
- Increase the bid timeframe to encourage more participation;
- Re-bid the project; and
- Consider a reduction in the scope of work to align with project budget.

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

Sincerely,

A handwritten signature in blue ink that reads "Kelly Blake Smith".

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

Attachment: Bid Tabulation Summary

Cc: File

K:\JAX_WaterResources\045709000 - Brunswick Pump Station Upgrades\Bid Phase\Bid Tab

BID FORM							
PUMP STATION 3101							
ITEM	ITEM DESCRIPTION	QUANTITY	UNIT	QUANTITY	UNIT	UNIT PRICE	AS SUBMITTED
POPCO, INC. UNDERGROUND UTILITY SERVICES							
1	MOBILIZATION, DEMOBILIZATION, INSURANCE, AND BONDS	1	LS	1	LS	\$75,000.00	\$75,000.00
2	DEMOLITION	1	LS	1	LS	\$52,000.00	\$52,000.00
3	TEMPORARY BYPASS PUMPING	1	LS	1	LS	\$75,000.00	\$75,000.00
4	WET WELL SLAB AND HATCH	1	LS	1	LS	\$27,000.00	\$27,000.00
5	PUMPS, PIPING, SUPPORT, MISC. VALVES, APPURTENANCES	1	LS	1	LS	\$395,875.00	\$395,875.00
6	WET WELL CLEANING AND COATING	1	LS	1	LS	\$29,500.00	\$29,500.00
7	WATER SERVICE RELOCATION	1	LS	1	LS	\$3,900.00	\$3,900.00
8	ELECTRICAL	1	LS	1	LS	\$141,000.00	\$141,000.00
9	INSTRUMENTATION/SCADA	1	LS	1	LS	\$51,700.00	\$51,700.00
10	FENCE	1	LS	1	LS	\$3,500.00	\$3,500.00
11	EROSION CONTROL	1	LS	1	LS	\$3,200.00	\$3,200.00
POPCO, INC. PS3101 BASE BID TOTAL							\$857,675.00
A.1	BID ALTERNATE - OPTION 1 - THIRD PUMP INSTALLATION	1	LS	1	LS	\$55,000.00	\$55,000.00
A.2	BID ALTERNATE - OPTION 2 - FENCE REPLACEMENT	1	LS	1	LS	\$19,120.00	\$19,120.00
POPCO, INC. PS3101 BID TOTAL ALTERNATES							\$74,120.00
PUMP STATION 4001							
ITEM	ITEM DESCRIPTION	QUANTITY	UNIT	QUANTITY	UNIT	UNIT PRICE	AS SUBMITTED
POPCO, INC. UNDERGROUND UTILITY SERVICES							
1	MOBILIZATION, DEMOBILIZATION, INSURANCE, AND BONDS	1	LS	1	LS	\$59,000.00	\$59,000.00
2	DEMOLITION	1	LS	1	LS	\$35,000.00	\$35,000.00
3	TEMPORARY BYPASS PUMPING	1	LS	1	LS	\$75,000.00	\$75,000.00
4	CLEAN, INSPECT, AND REPAIR WET WELL	1	LS	1	LS	\$75,000.00	\$75,000.00
5	PIPING, SUPPORT, MISC. VALVES, APPURTENANCES	1	LS	1	LS	\$351,730.00	\$351,730.00
6	WATER SERVICE RELOCATION	1	LS	1	LS	\$4,500.00	\$4,500.00
7	ELECTRICAL	1	LS	1	LS	\$141,000.00	\$141,000.00
8	INSTRUMENTATION/SCADA	1	LS	1	LS	\$56,000.00	\$56,000.00
9	EROSION CONTROL	1	LS	1	LS	\$4,500.00	\$4,500.00
POPCO, INC. PS4001 BASE BID TOTAL							\$891,730.00
A.1	BID ALTERNATE - OPTION 1 - PUMP REPLACEMENT	1	LS	1	LS	\$85,000.00	\$85,000.00
A.2	BID ALTERNATE - OPTION 2 - FENCE REPLACEMENT	1	LS	1	LS	\$18,500.00	\$18,500.00
A.3	BID ALTERNATE - OPTION 3 - WET WELL COATING	1	LS	1	LS	\$30,000.00	\$30,000.00
POPCO, INC. PS4001 BID TOTAL ALTERNATES							\$133,500.00
PUMP STATION 4002							
ITEM	ITEM DESCRIPTION	QUANTITY	UNIT	QUANTITY	UNIT	UNIT PRICE	AS SUBMITTED
POPCO, INC. UNDERGROUND UTILITY SERVICES							
1	MOBILIZATION, DEMOBILIZATION, INSURANCE, AND BONDS	1	LS	1	LS	\$121,000.00	\$121,000.00
2	DEMOLITION	1	LS	1	LS	\$155,000.00	\$155,000.00
3	TEMPORARY BYPASS PUMPING	1	LS	1	LS	\$275,000.00	\$275,000.00
4	PERMANENT BYPASS PUMP AND FORCE MAIN CONNECTION	1	LS	1	LS	\$162,283.00	\$162,283.00
5	WASTEWATER PIPING, SUPPORTS, MISC. VALVES, APPURTENANCES	1	LS	1	LS	\$6,500.00	\$6,500.00
6	INSTRUMENTATION/SCADA	1	LS	1	LS	\$81,000.00	\$81,000.00
7	DRY PIT SUMP PUMP AND PIPING	1	LS	1	LS	\$821,121.00	\$821,121.00
8	DRY PIT WATER SERVICE	1	LS	1	LS	\$7,500.00	\$7,500.00
9	ELECTRICAL	1	LS	1	LS	\$215,000.00	\$215,000.00
10	ROOF REPLACEMENT	1	LS	1	LS	\$42,000.00	\$42,000.00
11	INFILL WALL OPENINGS	1	LS	1	LS	\$41,000.00	\$41,000.00
12	ELECTRICAL CONTROL ROOM	1	LS	1	LS	\$183,500.00	\$183,500.00
13	DOOR REPLACEMENT	1	LS	1	LS	\$18,000.00	\$18,000.00
14	CLEANING AND PAINTING	1	LS	1	LS	\$65,000.00	\$65,000.00
POPCO, INC. PS4002 BASE BID TOTAL							\$2,193,904.00
A.1	BID ALTERNATE - OPTION 1 - PUMP REPLACEMENT	1	LS	1	LS	\$275,000.00	\$275,000.00
A.2	BID ALTERNATE - OPTION 2 - PUMP DISCHARGE PIPING TO REMAIN IN PLACE	1	LS	1	LS	\$184,000.00	\$184,000.00
A.23	BID ALTERNATE - OPTION 3 - WET WELL COATING	1	LS	1	LS	\$85,000.00	\$85,000.00
POPCO, INC. PS4002 BID TOTAL ALTERNATES							\$176,000.00
POPCO, INC. PS3101, PS4001, PS4002 BASE BID TOTAL							\$3,853,309.00



Brunswick-Glynn

Joint Water and Sewer Commission

Memorandum

To: Facilities Committee
From: Andrew Burroughs, P.E., Executive Director
Date: Wednesday, December 14, 2022
Re: Contract Award – Paving Services for Rose Cottage Lane

Background:

JWSC has been attempting to receive quotes on a large asphalt repair due to completed work on St. Simons Island. The force main from Pump Station 2030 runs along Rose Cottage Lane and was installed approximately six years ago. The roadway has experienced trench settlement along the force main route. JWSC has paved a smaller section of the roadway in the past two years, but additional settlement has occurred. The roadways in the Hamilton Landing subdivision are private and the maintenance of these roadways is the responsibility of the property owners' association.

This item was presented to the Facilities Committee and Finance Committees on November 16, 2022 where additional information and photographs were requested by the Commissioners.

Staff Report

JWSC staff has struggled to receive paving quotes for this area but was able to get two quotes for the work which includes approximately 1,300 linear feet of full width milling and resurfacing with 1.5 inches of asphalt along Rose Cottage Lane. Given the additional settlement that has occurred, staff believes it is appropriate to mill and repave the areas already patched to ensure a uniform product upon completion. Staff has paving contractors throughout southeast Georgia and northeast Florida to complete this work and received quotes from two (2) contractors as shown below.

<u>Contractor</u>	<u>Cost</u>
J. Hiers Company, Inc.	\$82,750.00
Allen Owens Construction and Paving, Inc.	\$103,718.50

Funding

Funding for these repairs will come from the Systems Pumping and Maintenance annual operations budget.

Recommended Action

Staff recommends awarding a contract for paving of Rose Cottage Lane to J. Hiers Company, Inc. in the amount of \$82,750.00.

Recommended Motion

"I move that the Facilities Committee recommend that the full Commission award a contract in the amount of \$82,750 to J. Hiers Company, Inc. for the paving of Rose Cottage Lane."

Enclosures

J Hiers Quote
Allen Owens Quote
Photos from Neighborhood



1. Previous roadway resurfacing completed by JWSC contractor in 2021.
2. End of previous roadway resurfacing showing depression near center of travel lane.
3. Additional settling near center of travel lane not previously resurfaced.
4. Travel lane holding water from property irrigation in depression.
5. Roadway conditions on Stiles Lane within Hamilton Landing subdivision.
6. Roadway conditions on East Field Lane within Hamilton Landing subdivision.



Brunswick-Glynn

Joint Water and Sewer Commission

Memorandum

To: Facilities Committee
From: Andrew Burroughs, Executive Director
Date: Wednesday, December 14, 2022
Re: Contract Award – Academy Creek WPCF Grit Panel Replacement

Background:

The Academy Creek WPCF has been undergoing extensive rehab since December 2020. Replacement of the bar screens was included, but no work was included on the grit removal system immediately downstream of the bar screens. With the new bar screens online, a review of grit system operations has been performed. It has been determined that a replacement of the control panels for these systems would be beneficial.

Staff Report

Staff solicited quotes for the construction and install of new control panels as well as the SCADA integration of the new panels. Two quotes were received and are shown below. Note that Electric Machine Control has been the SCADA integrator for the JWSC for approximately 5 years. EMC's quote includes the cost of SCADA integration whereas Pump & Process does not include SCADA integration.

Provider	Equip + Install	SCADA*	Total Cost
Pump & Process Equipment	\$39,560.00	\$4,500.00	\$44,060.00
Electric Machine Control	\$39,814.00	\$4,500.00	\$44,314.00

These upgrades will be funded by the Academy Creek Operations budget.

Recommended Action

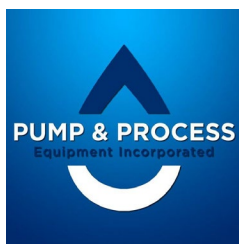
Given the closeness of the two quotes, staff recommends moving forward with a single contract award to Electric Machine Control in the amount of \$44,314.00. Having a single contractor will make integration more seamless and eliminate potential concerns of liability if something does not function as intended.

Recommended Motion

"I move that the Facilities Committee recommend the full Commission approve a contract award to Electric Machine Control, Inc. in the amount of \$44,314.00 for grit system control panel replacement at the Academy Creek WPCF."

Enclosures

Pump & Process Proposal
Electric Machine Control Proposal



Pump and Process Equipment

8343 Roswell Road, Suite 315
Atlanta, GA 30350
Cell (912) 659-6180
Office (770) 814-0402

Sales
Service
Support

September 23, 2022

Quote #21-1104Gr1

To: David Grantham @ BGJWSC
From: Jay Boudreaux @ Pump & Process Equipment, Inc.
Re: Academy Creek Grit Panel

Pump and Process Equipment, Inc. is pleased to offer the following equipment for your consideration:

- (1) New Grit Panel to Control:
- Grit Pump 1 and 2
 - Grit Paddles 1 and 2
 - Grit Classifier
 - Grit Washer
- Maple Systems HMI
NEMA 3R 5KVA Transformer
Allen Bradley Micro 850, Programmed Based on Specifications
NEMA 4X 304SS Enclosure
HOA's, Timers, CT's, Control Relays, Internal Power Supply, Fuses Per Specifications
Submittal, Start-up and Training
- (1) Installation includes: Remove existing control panels, remove and relocate existing equipment rack, install new control panel, remove and replace (2) conduits for grit pumps and reconnect pipe to existing disconnects, reroute existing feeder conduits, and reconnect to new control panel with air gap, disconnect any unused pipe and remove, run pipe to existing conveyor and make all electrical connections.

Price \$39,560.00

Notes: Estimate based on March 26th Email from David Grantham, Existing Control Panel Drawing and Site Visits.

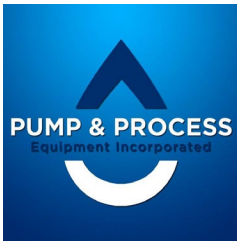
Freight and Taxes Not Included. Our Payment Terms Are Net 30 Days.

We appreciate the opportunity to offer this proposal for your approval and look forward to earning your business. Should you have any questions or need any additional information please do not hesitate to contact us.

Sincerely,

Jay Boudreaux

Jay Boudreaux
Pump and Process Equipment Inc.



Pump and Process Equipment

8343 Roswell Road, Suite 315
Atlanta, GA 30350
Cell (912) 659-6180
Office (770) 814-0402

Sales
Service
Support

jay@pumpandprocess.net
912-659-6180

Brunswick Glynn Joint Water & Sewer Commission
Academy Creek WWTP – Grit Panel Upgrade
November 16, 2022

Proposal No. EM220281, Rev. 1



Proposal for

**Brunswick Glynn Joint Water & Sewer Commission
2909 Newcastle Street
Brunswick, GA 31520**

**Attention:
David Grantham, SCADA Systems Administrator**

Academy Creek WWTP – Grit Panel Upgrade

November 16, 2022

Proposal No. EM220281, Rev. 1

Proposal Prepared by:
Brian Thomason
205-612-0723

ELECTRIC MACHINE CONTROL, INC.
7015 Haisten Drive
Trussville, AL 35173

(205) 661-3998
(800) 362-0545
www.emcinc.com



1.0 Introduction

In accordance with your request Electric Machine Control will provide BGJWSC with a new Influent Grit System Control Panel at the Academy Creek WWTP.

Electric Machine Control will provide the material as specified, PLC programming, HMI/SCADA Graphics programming, drawings and documentation and Field Start-up and Commissioning as required.

2.0 Proposed Scope of Supply

Electric Machine Control will provide the Influent Grit System Control Panel at the Academy Creek WWTP in Brunswick, GA as requested. This proposal supersedes our original proposal for this project EM210110, dated April 21, 2021.

EMC will provide a new NEMA 4X Stainless Steel Control Panel with MicroLogix 1400 PLC with associated I/O, Maple Systems 7" Touchscreen, Power Supply, Surge Suppression, and all associated panel control components. The panel provided will be field installed by others and EMC will provide start-up and commissioning services.

The control system will utilize the Allen-Bradley ML1400 with appropriate I/O to control the existing motors in service. A Maple Systems 7" Touchscreen will be utilized for system configuration and control along with pertinent operators for each motor.

The control scheme will be based on a control narrative provided by Academy Creek operations.

Brunswick will provide an electrical contractor to remove the existing control panels, remove and relocate existing equipment rack, install the new control panel, remove and replace the two (2) conduits for the grit pumps and reconnect the pipe to existing disconnects, reroute existing feeder conduits, and install the new control panel.



EMC will provide a Field Service Engineer to provide start-up and commissioning of the new controls.

EMC will provide the following:

- Engineering as described
- Material as outlined
- PLC Programming
- HMI/SCADA Programming
- Drawings Modifications
- Start-up and Commissioning Services

2.1 Equipment

Electric Machine Control will provide the following equipment for the Academy Creek WWTP – Grit Panel Upgrade:

Manufacturer	Description	Qty.
Saginaw	42x60x12 SS Flange Mount	1
Saginaw	Backpan	1
Saginaw	Drip shield	1
Saginaw	Mounting feet	1
Saginaw	Dead front	2
AB	140G - Molded Case Circuit Breaker, G frame, 25 kA Interrupt Rating, T/M - Thermal Magnetic, 3 Poles, Rated Current 80 A	1
AB	140G/1494V Product Handle Accessories/Operating Mechanisms, 140G Flange Cable - Plastic Actuator, Non-Metallic Flange Handle, 3 ft.	1
AB	Frame-G, Terminal Cover, 3p, Qty 2, High	2
AB	Frame-G, Terminal Lug, Qty 3, FCCu 1x14-1/0(2.5-50)	1
AB	Frame-G, Multi Terminal Lug, Qty 3, 6x14-2(2.5-35)	1
SQ D	20 AMP, 1 pole breaker	10
Phoenix Contact	24VDC, PLC Relay and Base	30
AB	Auxiliary Contact Block, Front Mounting, 2 N.O. 2 N.C., Front Mounting, Starting at 5- , 2 N.O. - 2 N.C.	6
AB	MPCB, Standard Magnetic Trip (Fixed at 13 x 1e), 10 - 16 A, Std. Performance, Frame Size C	6



AB	100-C IEC Contactor, 24V DC Electronic Coil, Screw Terminals, Line Side, 16A, 1 N.O. 0 N.C. Auxiliary Contact Configuration	6
AB	30.5mm Type 4/4X/13 Mom. Contact PB, Non-Illum., Black, Flush Head, 2 NO-2 NC, Finger Safe Guards	10
AB	30.5mm Type 4/4X/13 Pilot Light, LED, Red, 12-130V AC/DC, 1 NO-1 NC, Finger Safe Guards	10
AB	30.5mm Type 4/4X/13 2 Pos Sel. Switch-Non-Illum., White, Std. Knob Maintained, 2 NO-2 NC, Finger Safe Guards	6
AB	MicroLogix 1400, 12 Digital fast 24V DC Inputs, 8 Digital 24V DC Inputs, 6 Relay Outputs, 3 Fast 24V DC Outputs, 3 Normal 24V DC Outputs, 4 Analog (12 bits) Inputs, 2 Analog (12 bits) Outputs, 24V DC Power	1
AB	16 Point 24 VDC Sink/Source Input Module	1
AB	8 Point VAC/VDC Relay Output Module	1
Square D	5000VA transformer 3R Mounted on Outside of Panel	1
Federal Signal	120VAC horn	2
Federal Signal	Strobe Light	2
Phoenix	24VDC, 10amp power supply	1
Phoenix	Terminal Block	300
ENM	Runtime Meter	6
Phoenix	Surge Suppression	1
Phoenix	5 port ethernet switch	1
AcuAMP	Current Sensing Relay	6
Maple Systems	Maple Systems 7 In. Touch Screen, Ethernet	1

Note: Miscellaneous Control Components specified above are for quoting purposes only. Actual manufacturer of components may be modified as needed to facilitate timely delivery of the specified control panel. (PLC and HMI hardware excluded).

2.2 Engineering and Technical Services

Description	EMC Provided
Engineering and Technical Services	<ul style="list-style-type: none"> • Application Engineering • Design Engineering • Panel Fabrication • PLC Programming

Brunswick Glynn Joint Water & Sewer Commission
Academy Creek WWTP – Grit Panel Upgrade
November 16, 2022

Proposal No. EM220281, Rev. 1



	<ul style="list-style-type: none">• HMI/SCADA Graphics Programming• Panel Testing• Drawings
Start-up – Not Included	<ul style="list-style-type: none">• Not Included per customer request. Customer will handle startup requirements.



3.0 Pricing

**Brunswick Glynn Joint Water & Sewer Commission
Academy Creek WWTP – Grit Panel Upgrade
\$44,314.00**

Note: Project Engineering includes the design, panel layout, PLC programming, HMI programming, HMI Screen development, SCADA Engineering, SCADA Design, and SCADA Screen Development.

The SCADA Engineering, Design, and Screen Development breakout price is \$4,500.00 of the total price above.

Note: No travel and living expenses are included in the start-up estimate.

Payment Terms:

- 25% Payment Due Upon Receipt of Order.
- 65% Payment Due Upon Shipment.
- 10% Payment Due Start-up and Acceptance by BGJWSC.

Note: All progress Payment Terms are Net 30 Days.

Delivery Schedule:

- To be determined.

Freight:

- F.O.B. Trussville, Alabama – Freight Prepaid and Add or Freight Collect.



**ELECTRIC MACHINE CONTROL, INC.
TERMS AND CONDITIONS OF SALE**

A. Acceptance

This quotation, together with any other documents incorporated herein or attached hereto, constitutes an offer to supply Buyer the goods to be purchased (or, in the case of software (including embedded microcode, subroutines and other computer code whether provided solely in object or in object code and source code), licensed) pursuant to this quotation. This quotation supersedes any prior oral or written communications between Seller and Buyer. BY ACCEPTING THE GOODS, OR ORDERING THE GOODS, BUYER AGREES TO AND ACCEPTS THE TERMS AND CONDITIONS APPLYING TO THE SALE OF THE GOODS PURCHASED PURSUANT TO THIS QUOTATION. BUYER'S ACCEPTANCE OF THIS OFFER IS EXPRESSLY LIMITED TO THE TERMS AND CONDITIONS CONTAINED HEREIN. ANY ADDITIONAL OR DIFFERENT TERMS OR CONDITIONS, INCLUDING THOSE CONTAINED IN BUYER'S PURCHASE ORDER OR ACCEPTANCE OF THIS OFFER, ARE HEREBY OBJECTED TO. These terms and conditions shall also govern any services rendered to Buyer. If any terms or conditions in the purchase order or acceptance of this offer are in conflict or not identical to the terms of this offer, the terms and conditions of this offer shall prevail. This offer may be withdrawn or modified by Seller at any time prior to Buyer's acceptance of the terms and conditions contained herein, and unless otherwise stated will expire automatically 30 days from the date hereof unless so accepted by Buyer. Acceptance is effective only upon receipt of acceptance by Seller.

B. Prices – Prices are:

1. Subject to change without notice prior to acceptance of Buyer's order by Seller.
2. Exclusive of all Federal, State, Municipal or other Government Excise, Sales, Use, Occupational or like taxes now in force or to be enacted in the future.
3. Subject to an increase equal in amount to any tax the Seller may be required to collect or pay upon the sale of the items quoted.
4. Quoted F.O.B. place of manufacture.

C. Terms

1. The terms of payment for goods are as follows unless otherwise specified.
 - a. Net cash within thirty (30) days from the date of invoice unless otherwise specified by Seller to Buyer with approved credit. Buyer to supply satisfactory credit references.
 - b. Any progress payment terms offered will be net 30 days.
2. Interest may be charged at the rate of 1 ½ % per month or the maximum rate allowed under state law if it is a lesser number, on any payments which are not received by the due date. Any expenses of collection, including reasonable attorney's fees, shall be borne by Buyer.
3. Seller reserves the right to modify these terms for export business and special projects.

D. Shipping Estimates

1. The shipping date shown in this quotation is approximate and dependent upon prior sales and circumstances beyond Seller's control.
2. Shipping date will be computed from the date of receipt of all data required to enable complete engineering or acceptance of Buyer's order as provided in the Acceptance paragraph above, whichever is later.
3. Every effort will be made to effect shipment within the time stated, but Seller will not be liable for any damages resulting directly or indirectly from fire, embargo, strikes, or acts of God, civil strife or insurrection, transportation delay, whether at place of manufacture or elsewhere, or from delay by reason of any rule, regulation or order of any government authority directly affecting delivery, or from other causes beyond Seller's control. In the event of such a delay, the shipping date shall be extended for a reasonable length of time at least equal to the period of such delay.
4. Any change in Buyer's requirements will require confirmation or revision of estimated shipping date.
5. IN NO EVENT SHALL SELLER BE LIABLE FOR ANY INCIDENTAL, SPECIAL, DIRECT, OR CONSEQUENTIAL DAMAGES OCCASIONED BY DELAYS, WHETHER OR NOT SUCH DELAYS ARE BEYOND SELLER'S CONTROL.

E. Delivery

Unless otherwise specified on this quotation, all goods shall be shipped F.O.B. Seller's place of manufacture, at which point title and risk of loss to the goods shall shift to Buyer. Seller undertakes only to deliver the goods to the carrier, to make a reasonable contract of carriage for their transportation, to obtain and deliver or tender such documents as may be necessary to enable Buyer to obtain possession, and to promptly notify Buyer of the shipment. Specifications or arrangements relating to the shipment of the goods covered by this agreement are at Seller's option.

F. Installation

1. When deemed necessary by Seller, or when required by Buyer's purchase order and included in Seller's price quotation, Seller or its agent will supply a service representative to provide technical direction for setting up and demonstrating the operation of the goods.
2. All cost incident to the erection and installation shall be borne by the Buyer. Additional or special services will be quoted on request.

H. Warranty

1. Any goods or parts thereof covered by this quotation which under normal operating conditions in the plant of the original user thereof, proves defective in material or workmanship within 12 months from start-up of equipment or 18 months from date of shipment by Seller which ever



comes first as determined by an inspection by Seller, will be repaired or replaced at our discretion, at our plant free of charge, provided that Buyer promptly sends Seller written notice of the defect and establishes that the goods have been properly installed, maintained and operated within the limits of rated and normal usage. The liability of Seller under this warranty or for any loss or damage to the goods, whether the claim is based on contract or negligence, shall not in any case exceed the purchase price of the goods, and upon the expiration of the warranty period, all such liability shall terminate. This warranty, as it relates to electronic control units, only applies if the user has in his employ qualified maintenance personnel.

With regard to software, Seller warrants that such software will comply with the specifications, if any, published by the Seller with respect to the software. Buyer, as licensee, acknowledges and agrees that the software will not run uninterrupted or problem free. In the event the software proves defective within one year from the date of shipment by Seller, Seller will, if commercially practicable, repair such software to conform to specifications or provide replacement software.

2. The terms of this warranty do not in any way extend to any goods purchased or manufactured (with respect to this quotation) which have a separate warranty or life under normal usage inherently shorter than the one year period indicated above. Subject to the terms and conditions set forth herein, the warranty on any purchased goods is expressly limited to those offered by their respective manufacturer and which Seller may pass through to Buyer.
3. This warranty shall be void and Seller shall not be liable for any breach of warranty if the goods or parts thereof covered by this quotation shall have been repaired or altered by persons other than Seller, unless expressly authorized by Seller in writing.
4. THE FOREGOING WARRANTY IS EXCLUSIVE AND IS IN LIEU OF ALL OTHER WARRANTIES, EXPRESS OR IMPLIED. THERE ARE NO WARRANTIES WHICH EXTEND BEYOND THE DESCRIPTION ON THE FACE HEREOF. ALL IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE HEREBY EXPRESSLY DISCLAIMED BY SELLER AND ARE EXCLUDED FROM THIS AGREEMENT. SELLER SHALL NOT BE LIABLE FOR ANY INCIDENTAL, SPECIAL OR CONSEQUENTIAL DAMAGES RESULTING FROM ANY BREACH OF WARRANTY.

I. Limitation of Liability

1. BUYER'S EXCLUSIVE REMEDY FOR BREACH OF WARRANTY SHALL (AT SELLER'S SOLE DISCRETION) BE THE REPAIR OR REPLACEMENT OF DEFECTIVE GOODS, AND SUCH REMEDY IS EXPRESSLY IN SUBSTITUTION OF ANY AND ALL REMEDIES OTHERWISE PROVIDED UNDER THE UNIFORM COMMERCIAL CODE OR OTHER STATE OR FEDERAL LAW. Provided, however, if the goods are incapable of being repaired or replaced, Buyer's exclusive remedy shall be money damages, but such damages shall not exceed the purchase price of goods.
2. Any claim for breach of Seller's warranty must be in writing addressed to Seller, must set forth the alleged defect in sufficient detail to permit its easy identification by Seller and must be made no later than 10 days after the discovery of the breach. Any breach of warranty claim not made within one year of shipment of goods by Seller will not be honored by Seller and will be of no force and effect.
3. Seller's liability on any claim of any kind, including negligence for any loss or damage arising out of, connected with or resulting from this quotation, or from the performance or breach thereof, or from the design, manufacture, sale, services rendered, delivery, resale, installation, technical direction of installation, inspection, repair, operation or use of any goods covered by or furnished under this quotation shall in no case (except as provided in the paragraph entitled Property and Patent Rights), exceed the purchase price allocable to the goods and shall terminate on year after the goods have been shipped.
4. IN NO EVENT SHALL SELLER, NOR ITS AFFILIATED BUSINESSES, NOR THE OFFICERS, DIRECTORS, AGENTS AND EMPLOYEES OF THE FOREGOING, BE LIABLE TO BUYER, (NOR TO ANY THIRD PARTY) IN ANY ACTION OR CLAIM FOR DIRECT, CONSEQUENTIAL, SPECIAL AND/OR INCIDENTAL DAMAGES, LOSS OF PROFITS, LOSS OF OPPORTUNITY, LOSS OF PRODUCT OR LOSS OF USE, WHETHER THE ACTION IN WHICH RECOVERY OF DAMAGES IS SOUGHT IS BASED ON CONTRACT, TORT (INCLUDING PRODUCT LIABILITY, SOLE, CONCURRENT OR OTHER NEGLIGENCE AND STRICT LIABILITY), STATUTE OR OTHERWISE. TO THE EXTENT PERMITTED BY LAW, ANY STATUTORY REMEDIES WHICH ARE INCONSISTENT WITH THESE TERMS ARE WAIVED. IN THE EVENT THAT ANY OTHER TERM OF THIS AGREEMENT IS FOUND UNCONSCIONABLE OR UNENFORCEABLE FOR ANY REASON, OR ANY EXCLUSIVE REMEDY FAILS OF ITS ESSENTIAL PURPOSE, THIS PROVISION OF WAIVER BY AGREEMENT OF DIRECT, CONSEQUENTIAL, SPECIAL AND/OR INCIDENTAL DAMAGES SHALL CONTINUE IN FULL FORCE AND EFFECT.

J. Property and Patent Rights

1. With regard to software, Seller is granting to Buyer a non-transferable, nonexclusive license to use such software solely on computer systems owned or leased by Buyer, and solely for use by Buyer in Buyer's business. Other than this license, Seller is not granting any right title or interest in the software. Furthermore, Seller retains to itself any and all property rights in and to all designs, inventions and improvements pertaining to any goods designed in connection with the quotation and to all patents, trademarks, copyrights and related property rights arising out of the work done in connection therewith. Buyer expressly agrees that it will not assert any rights to property rights retained herein by Seller.
2. As to any goods, or parts thereof, manufactured to Buyer's design specifications, Seller assumes no liability whatsoever for patent infringement and Buyer shall indemnify and hold Seller harmless from any liability arising out of the infringement of any patent in the manufacture, sale or use of any goods described in Buyer's specifications.

Buyer agrees to treat as confidential and to safeguard against disclosure to any other person or entity all such software licensed pursuant to these terms and conditions. Buyer acknowledges the Seller possesses intellectual property rights in such software and owns the copyright in and to such software, and further expressly agrees that it will not copy (except for one backup copy that may be maintained by Buyer solely for archival purposes), decompile, disassemble, reverse engineer or attempt to reverse engineer any software licensed pursuant to these terms and conditions nor will Buyer assist others in doing or attempting to do so. To the extent that Buyer makes permitted copies of any software or other intellectual property provided pursuant to these terms and conditions, Buyer will reproduce any and all proprietary notices contained on or in such software or intellectual property.

K. Reservation of Rights in Respect to Seller's Other Products

Seller reserves the right to make improvements and changes in design upon its goods without any obligation to make such changes or improvements upon the goods that are the subject of this quotation or on goods previously manufactured and sold by it.



L. Limitation of Actions

Any statute or law to the contrary notwithstanding, any action to recover for any loss or damage arising out of or connected with, or resulting from this quotation, or from the performance or breach thereof must be commenced within a one year period after the cause of action accrues to Buyer, unless otherwise extended by Seller in writing. It is expressly agreed that there are no warranties of future performance pertaining to the goods that are the subject of this quotation that would extend such one year period of limitation.

M. Cancellation

In the event Buyer requests Seller to stop work or cancel the order or any part thereof, cancellation charges shall be paid to Seller as follows: (i) any and all work that is complete or scheduled for completion within thirty days of the date of notification in writing to stop work or to cancel, shall be invoiced and paid in full and; (ii) for work in process, other than covered by item (i), and any materials and supplies procured, or for which definite commitments have been made by Seller in connection with Buyer's order, the Buyer shall pay the actual costs and overhead expenses determined in accordance with good accounting practices, plus 15% and; (iii) an amount equal to 15% of the difference between the cancellation charge as computed in item (ii) and the full purchase price of the goods will be charged as compensation for business irretrievably lost as a result of accepting a purchase order based on this quotation and having said purchase order canceled by the Buyer and; (iv) Buyer shall promptly instruct Seller as to the disposition of the goods and Seller may, if requested in a writing signed by Buyer, hold the goods for Buyer's account. All costs of storage, insurance, handling, boxing or other costs in connection therewith shall be borne by Buyer.

N. Applicable Law

This quotation and the rights and obligations of the parties, shall be construed pursuant to the laws of the State of Alabama, excluding Alabama's conflict of laws. Buyer and Seller acknowledge that this agreement necessarily involves, and is entered into in furtherance of, interstate commerce. All disputes based on or arising out of this agreement shall be resolved by binding arbitration and governed pursuant to the rules of the American Arbitration Association. In no event shall any arbitrator expand nor restrict any of the party's respective rights nor obligations beyond those as set forth in this agreement.

O. Waiver of Terms and Conditions

Failure or delay of Seller to insist upon strict performance of any of the terms and conditions of this quotation or to exercise any rights or remedies provided herein or by law, shall not release Buyer from any of the obligations of this quotation and shall not be deemed a waiver of any right of Seller to insist upon strict performance hereof or of any rights or remedy of Seller as to any prior or subsequent default hereunder. The headings used herein are for convenience only and shall be given no legal effect.

P. Indemnification by Buyer

Buyer shall indemnify, defend, save and hold Seller, its affiliated businesses (and the directors, officers, employees, agents of the same) and any person acting for or on its behalf, harmless from and against any and all liability, damage, loss, claims, demands, judgments and actions of any nature whatsoever which are claimed to arise out of, result from or connected with (i) engineering specifications, data or criteria furnished by Buyer to Seller (provided Seller manufactures the goods in accordance with such specifications, data or criteria); (ii) changes in criteria made by Buyer; (iii) Buyer's negligence, errors or omissions in Buyer's performance or non-performance of its obligations under this agreement; or (iv) the failure by Buyer, its agents, employees or anyone acting through or on its behalf, to properly operate the goods in accordance with manuals, directions or other operating specifications furnished by Seller to Buyer.

Q. Complete Agreement

Any orders received by Seller in response to this quotation shall not be binding or firm orders until approved by Seller. This quotation, when accepted by Buyer in accordance with the Acceptance paragraph hereof, and/or when Seller's acknowledgment of receipt of acceptance is given to Buyer, shall constitute the entire agreement between the parties relating to this quotation and the goods provided pursuant thereto, shall supersede all previous communications or understandings between Buyer and Seller with respect to the subject matter hereof, and no alteration or addition to this quotation shall be binding on Seller unless it is in a writing signed by Seller's duly authorized officer.



Brunswick-Glynn

Joint Water and Sewer Commission

Memorandum

To: Facilities Committee
From: Todd Kline, P.E., Director of Engineering
Date: Wednesday, December 14, 2022
Re: APPROVAL – Change Order #2; Arco Area Water & Sewer Extension

Overview

- Who: Thomas & Hutton Engineering Co. (Engineer of Record) and UWS, Inc. (Contractor)
- What: Request for Additional Funding and Time Extension to the construction contract.
 - Notice to Proceed: March 07, 2022 (345 days contract time)
 - Contract Amount (Funding): \$3,821,753.38
 - Request for Time Extension: 150 days (Proposed Final Date July 15, 2023)
 - Request for Addition Funding Amount: \$43,170.00
- Why: Compensation for additional sewer installation and additional contract time due to materials delays/permitting/design changes.

Staff Report

JWSC staff received and reviewed a Change Order No. 2 recommendation letter dated December 07, 2022, from Thomas & Hutton Engineering Co. (EOR). The Contractor has requested additional funding in the amount of \$43,170.00 to install an additional (3) manholes, 90LF of 8-inch sewer, installation of services to serve additional homes in the area, 600SY asphalt removal and replacement and re-route sewer utilizing the 5th street connection point.

A design modification of installing the last two sections of sewer at 0.32% slope and deleting 0.1' drop through manholes will allow for the sewer to be installed approximately 2' shallower and solve the potential issues of surcharging/back-ups in the future. This re-route will also eliminate the need for obtaining easements to facilitate the installation of sewer per the original approved plan.

The Contractor has also requested an additional 150 days of contract time due to supply chain delays for manhole structures/materials, permitting, sewer re-route design changes.

Recommended Action

To prevent additional delays and ensure water service is extended to all residents as originally intended, Staff recommends approval of the Contractor's request for additional funding and time extension to the construction contract in the amount of \$43,170.00 and 150 days.

Recommended Motion

"I move that the Facilities Committee recommend approval of Change Order No. 2 to the Arco Area Water & Sewer Extension to UWS, INC to increase the contract amount by \$43,170.00 and contract time by 150 consecutive calendar days."

Enclosures

Thomas & Hutton Recommendation of Approval
Thomas & Hutton CO#2
Thomas & Hutton Re-route Exhibit

To: Harry Patel, BGJWSC
FROM: Chris Stovall, P.E.
Project: JWSC Project No. #2016
Arco Water & Sewer Improvements
Change Order #2
Date: December 9, 2022

Harry,

Pursuant to a request from the contractor for Change Order #2, the following is provided concerning justifications and recommendations for the work that will allow for the sewer to be raised coming into the 6th Street Connection Point and the potential for a new connection point to alleviate concerns with impacts to an existing structure.

There are two issues with the current Connection Point at 6th Street that make the current design difficult to construct and also may hamper operations over time.

1. The proposed sewer has to thread between an existing large storm culvert and an existing house. There is concern from the contractor whether the house may be impacted by the new sewer installation, potentially leading to settlement/cracking in the house foundation. Due to the distance from the house (approximately 18'), future repairs may also be difficult should the need arise.
2. Due to the depth of the existing storm pipe, the sanitary sewer main has to be installed deep so that it can cross under the storm pipe to serve areas to the north of 6th Street. Because of the required depth, the new sanitary sewer main cannot "match crowns" with the existing 30-inch sewer at the Connection Point manhole, as would be preferred. Because of the storm sewer restraints, the sanitary main was designed with approximately to be only 0.5' above the existing manhole invert, but would ideally be approximately 1.83' above the existing invert to prevent possible backups/surcharges from the existing 30-inch sewer.

Thomas & Hutton has reviewed several options to raise the proposed sewer and developed a plan that alleviates the issues from the potential back-ups/surcharges and also has reviewed options that would provide for an alternate route for the sewer so that the house in question will not be impacted.

House Impact: Two alternatives were reviewed for new routes. One was to install sewer down an existing alleyway to the rear of the house. This option would require a similar pipe length, but an additional manhole, plus three easements and major tree clearing so it is considered the least favorable option. The second option is to install the last section of the proposed sewer to an existing manhole on 5th Street (also with existing 30-inch pipe). The 5th Street option will require an additional manhole and approximately 100 additional linear feet of sewer, but also allows for the sewer to be installed within right of ways versus obtaining easements through private property, making it easier for future maintenance.

Matching Crowns: A first step was to raise sanitary mains to be "touching" the underside of the existing storm pipe (initially set at between 6-inches and 12-inches depending on the crossing) where they cross to the north side of the storm pipe, so a 0.5' raise could occur. After review, it was determined that an additional 0.5' raising can occur if the sewer only crosses at the single most-advantageous point under the storm pipe (versus multiple crossings in the original plan). The pipe re-routing will add an additional manhole and approximately 500 square yards of pavement removal and replacement, but also allows for a height increase of approximately 0.5'. Combined with the

first 0.5', this provides a total of 1.0' higher with the goal of meeting 1.83' higher than the existing invert.

After review by JWSC staff and board members, a design modification of installing the last two sections of sewer at 0.32% slope and deleting the 0.1' drop through manholes, that the additional 0.83' is obtainable for either the original 6th Street Connection Point or the 5th Street Connection Point. The combination of raising the pipe under existing storm lines and the reduction in slope will allow for the proposed sewer line to be installed approximately 2' shallower, thus shifting sewer unit costs into the shallower unit prices and a resultant reduction in costs per foot for the new sewer alignment.

Recommendation and costs:

The re-route of sewer on the north side of the storm pipe and utilizing the 5th Street Connection Point Option is estimated at \$43,170.00. This includes 3 each additional manholes, 90 LF of 8-inch sewer, and 566 SY additional asphalt remove and replacement, with some cost offset by the shifting from deeper cut sewer installation to shallower cuts.

This is the most cost-effective option that will allow the sewer to "match crowns" as well as remove potential impacts to the existing structure on 6th Street.

Due to the modifications and dealing with continued supply chain issues for additional materials, the Contractor has requested 150 additional construction days for completion.

ARCO WATER & SEWER IMPROVEMENTS
BRUNSWICK-GLYNN COUNTY JOINT WATER & SEWER COMMISSION
(BRUNSWICK, GA)

CHANGE ORDER NO. 2
J-28492
JWSC #2016

PROJECT: _____ Arco Water & Sewer Improvements _____

PROJECT NO.: _____ JWSC Project #2016 _____ DATE: _____ November 11, 2022 _____

OWNER: _____ Brunswick-Glynn County Joint Water & Sewer Commission _____

CONTRACTOR: _____ UWS, Inc. _____

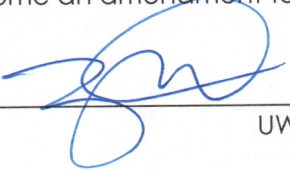
The Contractor is hereby requested to comply with the following changes from the contract plans and specifications:

Item #	Description of Changes – Quantities, Unit Prices, Units, Etc.	Decrease In Contract Price	Increase In Contract Prices
	See attached		
	Total DECREASE		
	Total INCREASE		\$43,170.00
	Difference Col. (1) and (2)		
	Net INCREASE Contract Price		\$43,170.00

The sum of \$ 43,170.00 is hereby added to the total contract price of \$3,821,753.38 and the total contract price to date is \$3,864,923.38.

The time provided for completion in the contract is unchanged/increased/decreased by 150 calendar days.

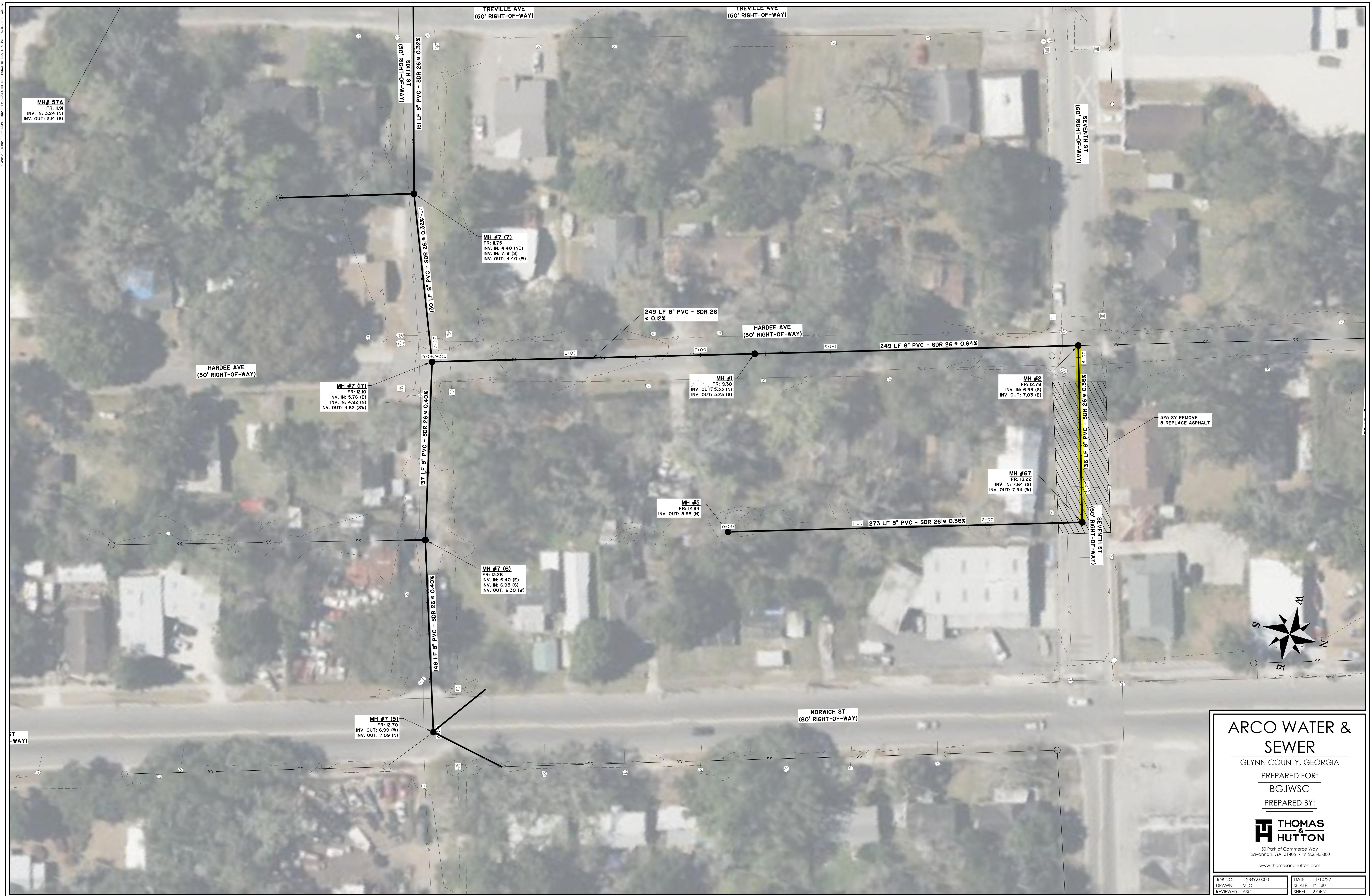
This document shall become an amendment to contract and all provisions of the contract will apply hereto.

REQUESTED BY: _____  _____ DATE: 12/8/2022 _____
UWS, Inc.

RECOMMENDED BY: _____ DATE: _____
Thomas & Hutton

REVIEWED BY: _____ DATE: _____

APPROVED BY: _____ DATE: _____
BGJWSC





Brunswick-Glynn

Joint Water and Sewer Commission

Memorandum

To: Facilities Committee
From: Todd Kline, P.E., Director of Engineering
Date: Wednesday, December 14, 2022
Re: Leasing of Airport Property – Canal Road Water Production Facility

Overview

- Who: JWSC (Applicant) and Glynn County Airport Commission (Property Owner)
- What: Glynn County Airport Commission application for leasing of airport property.
- Why: Application and real estate fee for a sublease and future relinquishment of additional property needed to build the Canal Road Water Production Facility.

Staff Report

JWSC staff received an application for leasing airport property from the Glynn County Airport Commission (GCAC) for the future Canal Road Water Production Facility. The application and real estate fee is for a sublease and future relinquishment of the existing site and additional property that is needed to build the Canal Road Water Production Facility improvements off Harry Driggers Boulevard to include a ground storage water tank and associated pump control building.

The JWSC requests that in addition to the existing site, an additional 100' x 110' property be acquired from the GCAC. The additional property's purpose is to expand the existing JWSC Canal Road Well Site #BWK117/W. The current fire well does not have the treatment capacity to be used for every day water production needs in the North Mainland Service District. The conversion of the existing fire well to a water production facility will improve the supply and pressure in the region and help mitigate the risk of saltwater intrusion that jeopardize the quality of the Upper Floridan aquifer by shifting sources away from the area of USGS designated saltwater upwelling in the downtown area.

Recommended Action

To prevent additional delays and ensure the GCAC airport property is acquired for the Canal Road Water Production Facility project, staff recommends authorizing the Chairman to execute the necessary documents to apply for the leasing of airport property.

Recommended Motion

"I move that the Facilities Committee recommend the full Commission authorize the Chairman to execute the necessary documents to apply for leasing of property from the Glynn County Airport Commission for the Canal Road Water Production Facility."

Enclosures

Glynn County Airport Commission Application Form 2000
Glynn County Airport Commission Leasing of Airport Property Form 200
Canal Road Water Production Facility Site Plan Exhibit 1
Canal Road Water Production Facility Site Plan with Aerial Exhibit 2
Canal Road Water Production Facility Tank Dimension Exhibit 3

APPLICANT INFORMATION

Please provide the following information:

COMPANY NAME _____

CONTACT NAME _____

CURRENT ADDRESS _____

PHONE NUMBER _____ MOBILE NUMBER _____

EMAIL ADDRESS: _____

CORPORATION _____ PARTNERSHIP _____ PROPRIETORSHIP _____

DATE AND STATE OF INCORPORATION _____

OFFICERS' LEGAL NAMES

President _____

Vice President _____

Secretary-Treasurer _____

PRINCIPAL STOCKHOLDERS _____

(if publicly held)

BANK REFERENCES

1. _____

2. _____

3. _____

PROVIDE FINANCIAL STATEMENTS ON THE CORPORATION OR THE PRINCIPALS INVOLVED IF THE CORPORATION IS NEWLY FORMED.

NARRATIVE INFORMATION SHOULD INCLUDE:

1. Type of business and services provided by the Company.
2. Number of proposed employees.
3. Proposed construction or improvements to existing facility.
4. Construction financing arrangements.
5. Any other information that will provide GCAC with a thorough background about the proposed endeavor.
6. Total construction cost of proposed property improvements.

☐ **Advance for Real Estate fees Required, Please remit _____ with this Form submission.**

Below For Office Use Only:

☐ Real Estate Fee Received

☐ Account/Invoice Created

☐ Corporation Review

☐ Appraisal


☐ Survey WO# _____

☐ Utility Easement

Airport Property _____

Finance Admin _____

REVISED June 2016

<p>Glynn County Airport Commission Policy</p> 	<p>Number: 200 DRAFT 8-9-2020</p> <hr/> <p>Approved Date: _____, 2022 Effective Date: Revision Date(s):</p> <hr/> <p>Chairman:</p> <hr/> <p>Page 1 of 3</p>
<p>Rescinded Policy #: 116A, 116NA, 120, 135, 137</p>	
<p>Subject: LEASING OF AIRPORT PROPERTY</p>	

Airport property was deeded to Glynn County by the Federal Government for the express purpose of operating airports. The Commission is obligated to utilize the property for aeronautical purposes only unless specific property is designated as non-aeronautical for current and planned use as determined in the airports Master Plan which is approved by the FAA and so indicated upon the Airports Airport Layout Plan. This policy must be consistent with FAA Compliance Manual 5190.

All airport property has been leased to the Brunswick and Glynn County Development Authority by the County. Subleases require Airport Commission approval and recommendation to the Brunswick and Glynn County Development Authority for execution as specified in the MOU between the Authority and the Airport Commission.

It is the policy of the Glynn County Airport Commission (GCAC) to lease, on behalf of the Brunswick and Glynn County Development Authority, airport property and facilities on a basis of fair and equitable treatment to lessee and lessor. Part of GCAC's mission is to insure its properties contribute to the self-sufficiency of the entire airport system. All revenues derived from airport whether Aeronautical or Non-aeronautical must be used to support the aviation system as required by the FAA.

AERONAUTICAL LEASES

Aeronautical subleases will be executed for purposes directly or indirectly related to aviation or necessary for support of aviation as determined in accordance with FAA regulations.


In order to comply with FAA regulations, the Airport Commission requires that all airport property designated as aeronautical be used for aviation related purposes only. Any non-aeronautical use of aeronautical property must be approved on a short-term basis subordinate to aeronautical demand and approved by Commission and compliant with FAA Grant assurances. However, incidental and de minimus use of a portion of a leased parcel shall not constitute a violation of this rule.

NON-AERONAUTICAL LEASES

Non Aeronautical leased properties are so designated and are used for commercial purposes that are not directly related to aviation. Airport Property use must be compatible with airport operations.

Each potential lease will be evaluated on its own merits. The evaluation will include at a minimum:

1. Consistent with the long-term development objectives for the airport
2. Contribution to airport growth and services
3. Lessee investment in new facilities and improvements
4. Potential job creation by the lessee
5. Lessee obligations to financial institutions

<p>Glynn County Airport Commission Policy</p> 	<p>Number: 200 DRAFT 8-9-2020</p> <p>Approved Date: _____, 2022</p> <p>Effective Date:</p> <p>Revision Date(s):</p> <p>Chairman:</p> <p>Page 2 of 3</p>
<p>Rescinded Policy #: 116A, 116NA, 120, 135, 137</p>	
<p>Subject: LEASING OF AIRPORT PROPERTY</p>	

SHORT TERM USE AGREEMENT/PERMITS

Short term use of airport property is permitted for organizational events, parking, etc. to utilizing property at the Brunswick Golden Isles Airport or the St. Simons Island Airport for a term not to exceed 12 months and will be approved and permitted by the Executive Director. The use of such property should not be in conflict with aeronautical use and include rental provisions for calculated from non-aeronautical rates.

RENTAL RATES

Rental rates for aeronautical property will be based on Glynn County Airport Commission Annual Rates and Charges approved annually with the Fiscal Year Budget and will be adjusted annually by the appropriate regional Consumer Price Index.

Rental rates for non-aeronautical parcels will be established by appraisal of fair market value and will be adjusted annually by the appropriate regional Consumer Price Index.

Lease terms will be predicated upon investment made to airport property by the potential lessee and an evaluation of the merits of the lease listed in the above paragraph. The GCAC utilizes a tiered approach to lease terms based upon tenant investment. However, it is completely within the discretion of the GCAC to award terms greater than or less than each designated level.


1. Under \$100,000 – Development Investment (Land Use Only) one (1) year renewal term
2. \$100,000 to \$200,000 – lease term with a maximum of ten (10) years.
3. \$200,001 to \$300,000 - lease term with a maximum of twenty (20) years.
4. \$300,001 to \$500,000 - lease term with a maximum of twenty-five (25) years.
5. \$500,001 to \$2 Million - lease term with a maximum of thirty (30) years.
6. \$2 Million - \$15 Million – lease term with a maximum (40) years.
7. Over \$15 Million - By Negotiation

For approved development for aircraft hangar only space, investment requirement may be reduced by 1/3.

All rental rates may also include, at the discretion of the GCAC, charges for additional subleases, provisions for sharing rental from subleases, percentage of gross revenues, and other charges as deemed necessary or appropriate.

LESSEE OBLIGATIONS

1. Lessee shall prevent escape of fumes, odors, smoke, gas or other substances from premises and shall neither use nor occupy premises for any unlawful purpose. Lessee shall provide adequate devices to control excessive noises, vibrations, or electromagnetic emissions. Lessee shall not cause, or permit to be caused, any act or practice, by negligence, omission, or otherwise that would adversely affect the environment or do anything or permit anything to be done that would violate any of said laws, regulations, or guidelines.

<p>Glynn County Airport Commission Policy</p> 	<p>Number: 200 DRAFT 8-9-2020</p> <hr/> <p>Approved Date: _____, 2022 Effective Date: Revision Date(s):</p> <hr/> <p>Chairman:</p> <hr/> <p>Page 3 of 3</p>
<p>Rescinded Policy #: 116A, 116NA, 120, 135, 137</p>	
<p>Subject: LEASING OF AIRPORT PROPERTY</p>	

2. Lessee, at its sole expense, shall insure premises continuously against loss or damage. The face amount of such insurance shall equal either actual replacement cost of improvements on premises or an amount established by written agreement. Lessee shall indemnify, protect, defend, and save Lessors (Brunswick and Glynn County Development Authority, Glynn County, and Glynn County Airport Commission) harmless from and against all claims, demands, liabilities, and costs, including attorney fees, arising from damage or injury.
3. Lessee accepts premises "as is." Lessee, at its sole expense, may make permanent improvements or construct new improvements. Lessee must submit detailed construction and site plans for final approval by the Commission prior to construction. The County must approve plans. Lessee shall make all repairs and perform all maintenance to preserve premises in good condition.
4. Any improvement of a permanent nature, including personal property or fixtures that cannot be removed without undue damage to premises, shall become the property of Glynn County at the expiration or termination of the lease.
5. Lessee shall be responsible for the cost of all utilities, utility hook ups, and utility services.
6. Lessee shall neither assign, mortgage, pledge, sell, nor in any manner transfer, convey, or dispose of the lease or any interest therein without prior written consent of Lessor. Lessee may finance construction to an extent not to exceed eighty percent (80%) of the cost of the improvements.
7. Subleases will individually include provisions for FAA compliance requirements such as nondiscrimination, exclusive rights, airport development and protection, noise standards, and rental rate structure, and escalation clauses, are included in all leases.

Lessee agrees to pay for all Lease Costs including but not limited to environmental surveys, utility connections, engineer reviews, legal, appraisals, surveys, Airport Commission costs and Glynn County recording fees.

PROCEDURES

Management will establish procedures (see Procedures 2000-2999) which enhance and further define the guidelines outlined in this policy.



\\THOMAS\HUTTON\LOCAL\UP\PROJECTS\29789\0000\ENGINEERING\DRAWINGS\CONSTRUCTION PLANS\29789.0000 C22.DWG

REVISIONS				DATE
NO	REVISION PER COMMENTS	BY	CAS	DATE
0				

REVISIONS				DATE
NO	REVISION PER COMMENTS	BY	CAS	DATE
0				

THOMAS
&
HUTTON

50 Park of Commerce Way
Savannah, GA 31405 • 912.234.5300
www.thomasandhutton.com

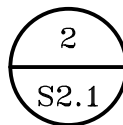
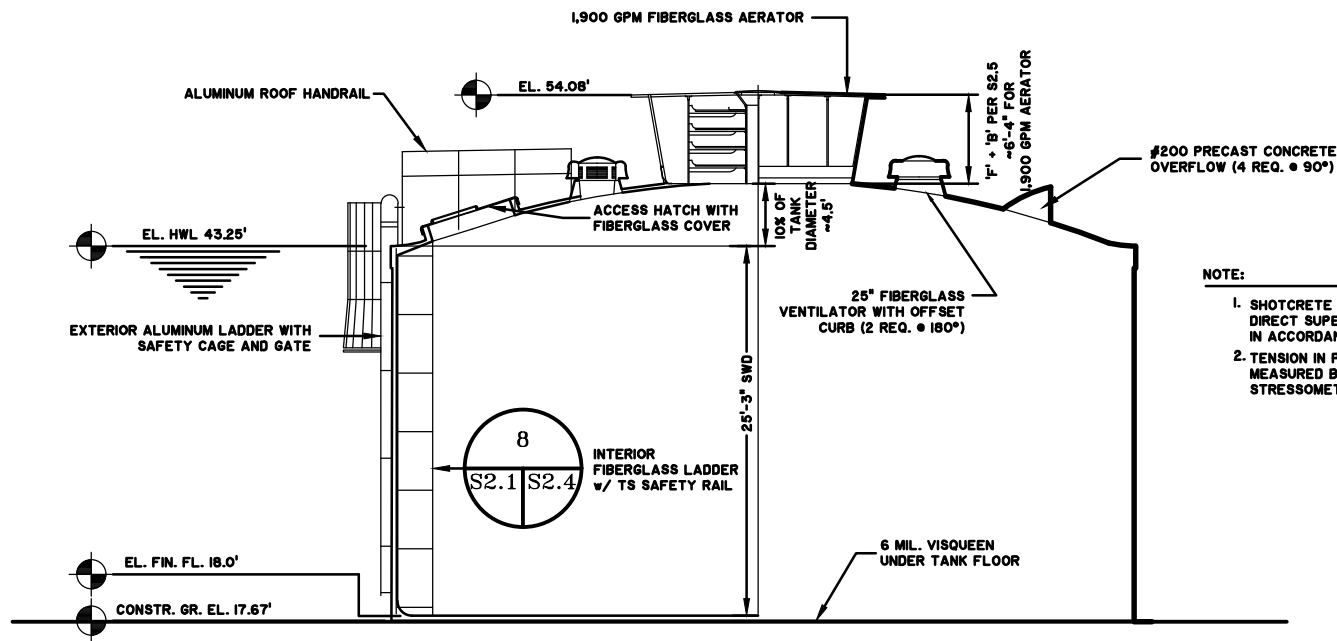
BRUNSWICK-GLYNN JOINT WATER &
SEWER COMMISSION
GLYNN COUNTY, GEORGIA

CANAL ROAD WATER PRODUCTION FACILITY

AERIAL 10.24.2022

JOB NO:	J- 29789.0000
DATE:	10/24/2022
DRAWN:	JGS
DESIGNED:	JGS
REVIEWED:	ACS
APPROVED:	ACS
SCALE:	AS NOTED

EX2



300,000 GALLON GROUND STORAGE TANK ELEVATION

SCALE: NTS

PREPARED FOR:
BRUNSWICK-GLYNN JOINT WATER & SEWER COMMISSION
CANAL ROAD WATER PRODUCTION FACILITY

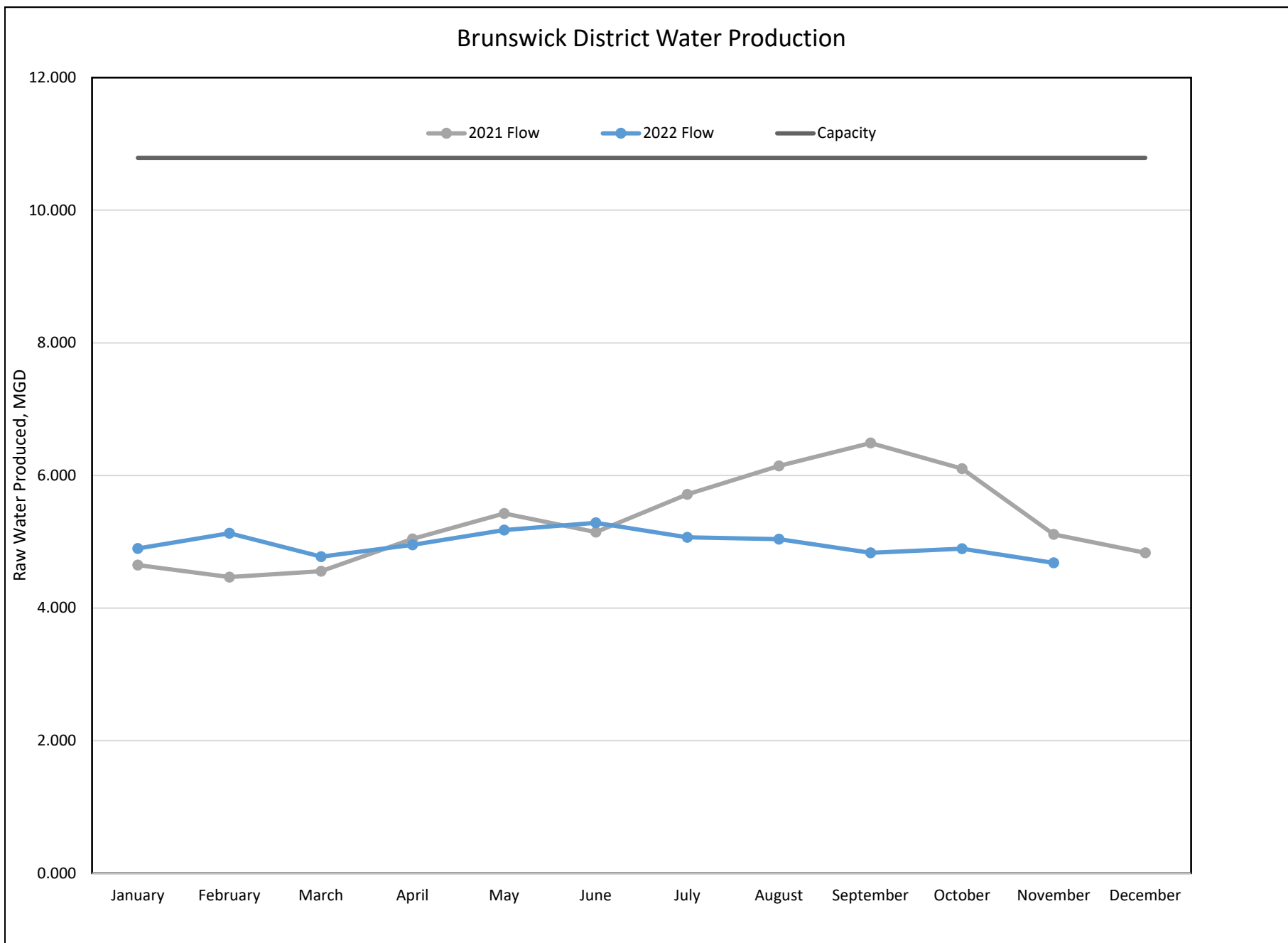


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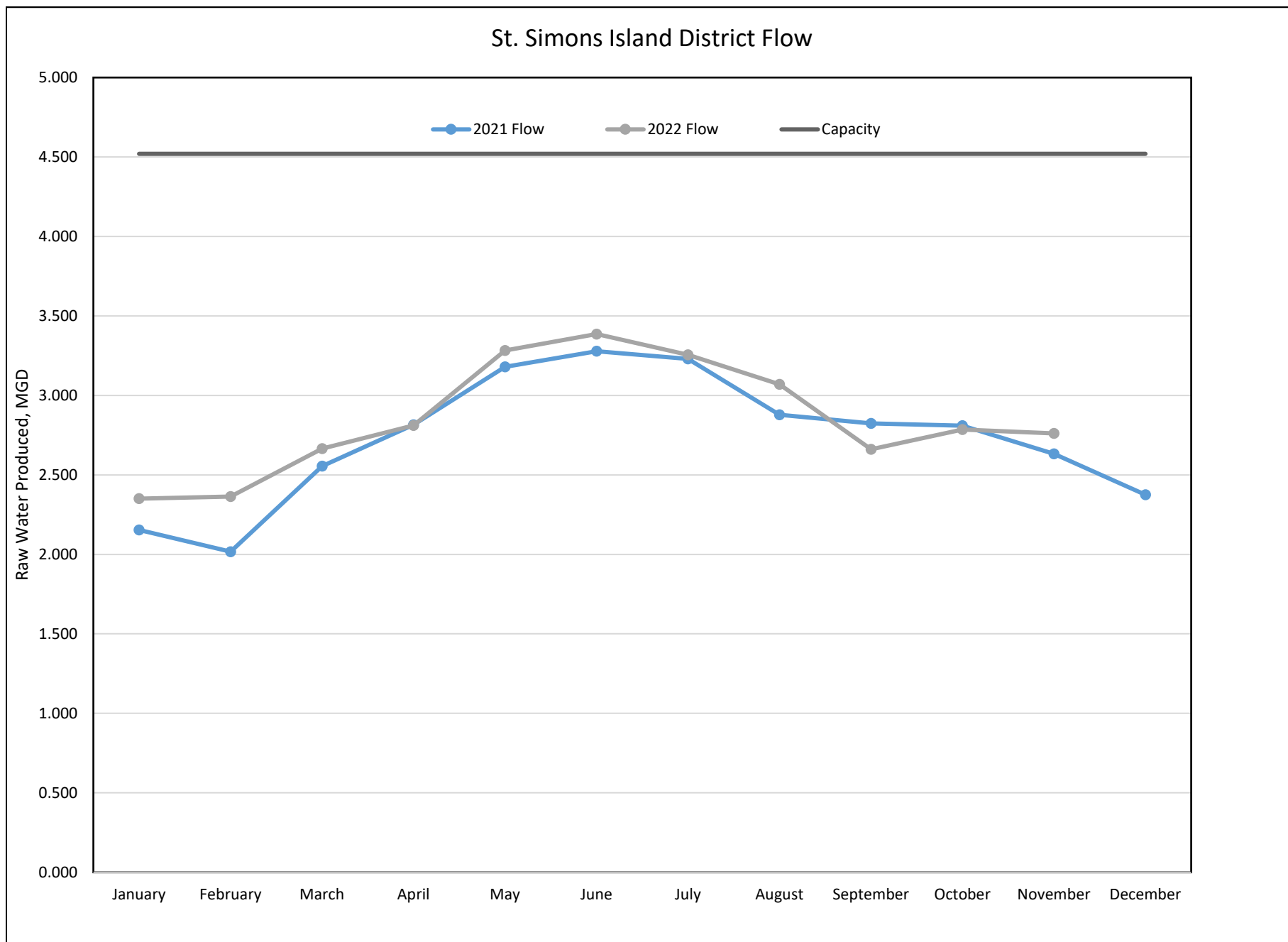
www.thomasandhutton.com

This map illustrates a general plan of the development which is for discussion purposes only, does not limit or bind the owner/developer, and is subject to change and revision without prior written notice to the holder. Dimensions, boundaries and position locations are for illustrative purposes only and are subject to an accurate survey and property description.

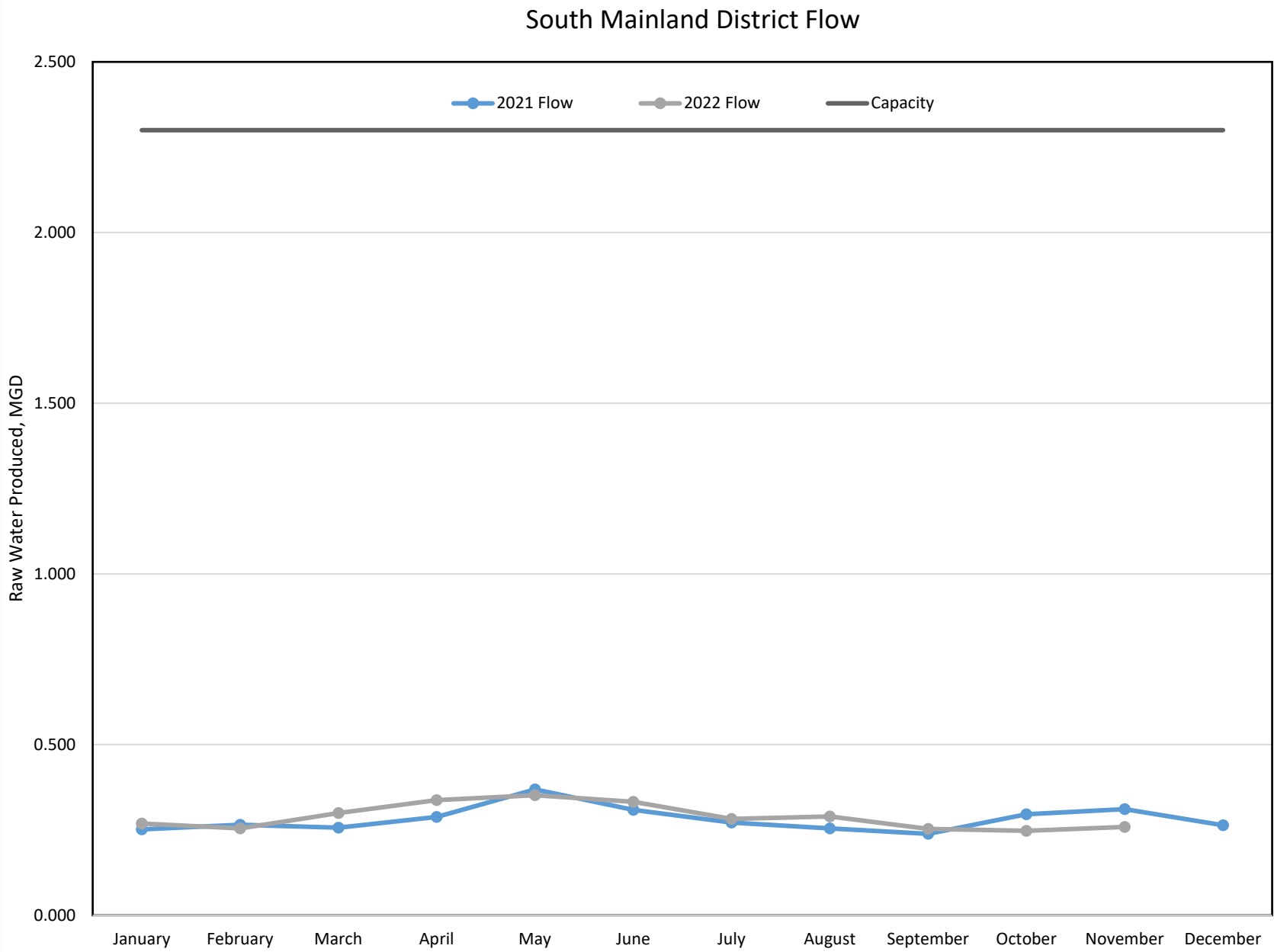
Brunswick District	TOTAL WATER PRODUCED (MG)									DAILY AVERAGE (MGD)									Total Produced	Daily Average	Taste/Odor Complaints
Month	Howard Coffin	Goodyear Park	Brunswick Villa	FLETC	I-95	Golden Isles I	Golden Isles II	Canal	Ridgewood	Howard Coffin	Goodyear Park	Brunswick Villa	FLETC	I-95	Golden Isles I	Golden Isles II	Canal	Ridgewood			
January 2021	27.473	19.659	20.483	3.608	40.332	9.482	11.585	0.006	11.447	0.886	0.634	0.661	0.116	1.301	0.306	0.374	0.000	0.369	144.075	4.648	
February 2021	22.481	14.924	17.235	6.744	35.076	4.219	2.781	0.000	21.623	0.803	0.533	0.616	0.241	1.253	0.151	0.099	0.000	0.772	125.083	4.467	
March 2021	31.111	7.974	8.903	10.178	48.417	4.351	1.857	0.000	28.399	1.004	0.257	0.287	0.328	1.562	0.140	0.060	0.000	0.916	141.190	4.555	
April 2021	31.111	16.473	19.395	10.702	39.314	6.619	9.538	0.000	18.100	1.037	0.549	0.647	0.357	1.310	0.221	0.318	0.000	0.603	151.252	5.042	
May 2021	42.334	17.385	18.970	8.955	41.358	6.571	7.757	0.000	24.900	1.366	0.561	0.612	0.289	1.334	0.212	0.250	0.000	0.803	168.230	5.427	
June 2021	14.065	28.045	25.994	9.102	41.443	7.643	12.276	0.000	15.831	0.469	0.935	0.866	0.303	1.381	0.255	0.409	0.000	0.528	154.399	5.147	
July 2021	7.415	40.508	42.854	9.072	42.522	8.590	10.954	0.000	15.229	0.239	1.307	1.382	0.293	1.372	0.277	0.353	0.000	0.491	177.144	5.714	
August 2021	18.007	41.924	45.370	8.735	43.386	7.430	9.146	0.015	16.477	0.581	1.352	1.464	0.282	1.400	0.240	0.295	0.000	0.532	190.490	6.145	
September 2021	17.326	44.014	49.671	11.133	39.886	6.647	10.358	0.000	15.612	0.578	1.467	1.656	0.371	1.330	0.222	0.345	0.000	0.520	194.647	6.488	
October 2021	27.202	34.523	41.860	9.423	42.187	8.468	10.016	0.000	15.482	0.877	1.114	1.350	0.304	1.361	0.273	0.323	0.000	0.499	189.161	6.102	
November 2021	19.095	25.771	33.131	3.310	40.075	6.478	8.531	0.000	16.934	0.637	0.859	1.104	0.110	1.336	0.216	0.284	0.000	0.564	153.325	5.111	
December 2021	18.497	22.259	28.534	6.162	42.894	6.886	10.558	0.005	14.072	0.597	0.718	0.920	0.199	1.384	0.222	0.341	0.000	0.454	149.867	4.834	
January 2022	26.666	18.938	26.839	5.987	36.428	5.105	9.155	0.010	22.740	0.860	0.611	0.866	0.193	1.175	0.165	0.295	0.000	0.734	151.868	4.899	
February 2022	27.876	20.840	20.738	7.133	32.000	7.512	13.585	0.005	13.918	0.996	0.744	0.741	0.255	1.143	0.268	0.485	0.000	0.497	143.607	5.129	
March 2022	23.605	17.843	24.557	6.760	34.791	8.264	12.521	0.010	19.646	0.761	0.576	0.792	0.218	1.122	0.267	0.404	0.000	0.634	147.997	4.774	
April 2022	35.604	8.423	21.713	6.697	33.938	7.124	13.629	0.010	21.420	1.187	0.281	0.724	0.223	1.131	0.237	0.454	0.000	0.714	148.558	4.952	
May 2022	42.308	2.447	25.379	9.374	35.227	9.778	15.746	0.005	20.224	1.365	0.079	0.819	0.302	1.136	0.315	0.508	0.000	0.652	160.488	5.177	
June 2022	43.234	4.125	21.022	4.012	38.636	10.706	15.186	0.005	21.623	1.441	0.138	0.701	0.134	1.288	0.357	0.506	0.000	0.721	158.549	5.285	1
July 2022	44.313	0.018	20.876	3.620	40.568	10.790	15.091	0.006	21.719	1.429	0.001	0.673	0.117	1.309	0.348	0.487	0.000	0.701	157.001	5.065	2
August 2022	36.429	7.003	22.185	2.757	40.867	9.643	13.911	0.005	23.404	1.175	0.226	0.716	0.089	1.318	0.311	0.449	0.000	0.755	156.204	5.039	3
September 2022	8.771	21.825	29.960	1.542	39.484	9.771	14.045	0.010	19.587	0.292	0.728	0.999	0.051	1.316	0.326	0.468	0.000	0.653	144.995	4.833	2
October 2022	5.849	16.038	42.688	2.022	38.169	10.498	15.011	0.005	21.412	0.189	0.517	1.377	0.065	1.231	0.339	0.484	0.000	0.691	151.692	4.893	3
November 2022	2.721	26.755	28.652	2.735	33.414	9.290	11.301	0.000	25.557	0.091	0.892	0.955	0.091	1.114	0.310	0.377	0.000	0.852	140.425	4.681	0
December 2022																					
Average	24.934	19.901	27.696	6.511	39.148	7.907	11.067	0.004	19.363	0.820	0.656	0.910	0.214	1.287	0.260	0.364	0.000	0.637	156.532	5.148	2
Max	44.313	44.014	49.671	11.133	48.417	10.790	15.746	0.015	28.399	1.441	1.467	1.656	0.371	1.562	0.357	0.508	0.000	0.916	194.647	6.488	3
Min	2.721	0.018	8.903	1.542	32.000	4.219	1.857	0.000	11.447	0.091	0.001	0.287	0.051	1.114	0.140	0.060	0.000	0.369	125.083	4.467	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 2021	28.068	28.406	6.304	3.982	0.905	0.916	0.203	0.128	66.760	2.154	
February 2021	24.281	25.390	1.736	5.072	0.867	0.907	0.062	0.181	56.479	2.017	
March 2021	28.849	29.212	15.446	5.691	0.931	0.942	0.498	0.184	79.198	2.555	
April 2021	27.343	29.084	18.099	9.943	0.911	0.969	0.603	0.331	84.469	2.816	
May 2021	33.693	30.969	23.512	10.411	1.087	0.999	0.758	0.336	98.585	3.180	
June 2021	30.761	30.324	24.637	12.618	1.025	1.011	0.821	0.421	98.340	3.278	
July 2021	33.503	30.924	26.017	9.688	1.081	0.998	0.839	0.313	100.132	3.230	
August 2021	30.746	30.122	16.812	11.549	0.992	0.972	0.542	0.373	89.229	2.878	
September 2021	25.898	29.091	17.367	12.366	0.863	0.970	0.579	0.412	84.722	2.824	
October 2021	30.822	29.548	14.715	12.018	0.994	0.953	0.475	0.388	87.103	2.810	
November 2021	22.378	28.661	17.877	10.073	0.746	0.955	0.596	0.336	78.989	2.633	
December 2021	22.953	29.657	13.513	7.504	0.740	0.957	0.436	0.242	73.627	2.375	
January 2022	26.108	28.950	10.592	7.219	0.842	0.934	0.342	0.233	72.869	2.351	
February 2022	31.226	17.923	11.261	5.780	1.115	0.640	0.402	0.206	66.190	2.364	
March 2022	36.673	26.321	11.218	8.419	1.183	0.849	0.362	0.272	82.631	2.666	
April 2022	32.193	27.860	16.504	7.779	1.073	0.929	0.550	0.259	84.336	2.811	
May 2022	40.346	28.566	20.997	11.864	1.301	0.921	0.677	0.383	101.773	3.283	
June 2022	43.067	28.522	21.631	8.367	1.436	0.951	0.721	0.279	101.587	3.386	1
July 2022	38.259	32.075	22.279	8.297	1.234	1.035	0.719	0.268	100.910	3.255	0
August 2022	34.063	31.033	21.086	8.976	1.099	1.001	0.680	0.290	95.158	3.070	2
September 2022	28.520	28.832	17.540	4.959	0.951	0.961	0.585	0.165	79.851	2.662	1
October 2022	41.948	26.802	12.997	4.593	1.353	0.865	0.419	0.148	86.340	2.785	5
November 2022	41.401	27.036	12.560	1.857	1.380	0.901	0.419	0.062	82.854	2.762	0
December 2022											
Average	31.874	28.492	16.291	8.218	1.048	0.936	0.534	0.270	84.875	2.789	2
Max	43.067	32.075	26.017	12.618	1.436	1.035	0.839	0.421	101.773	3.386	5
Min	22.378	17.923	1.736	1.857	0.740	0.640	0.062	0.062	56.479	2.017	0

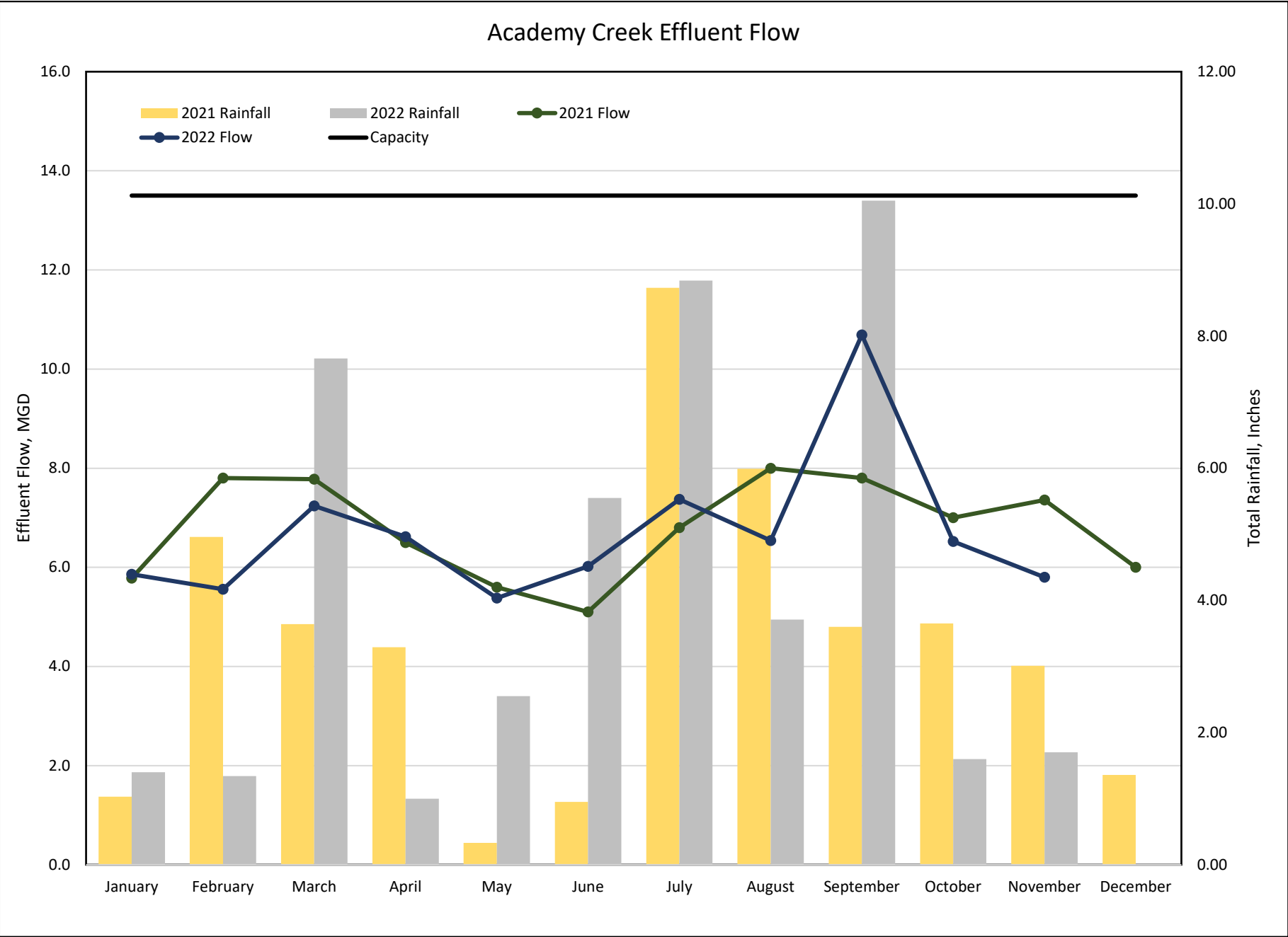


South Mainland District	TOTAL WATER PRODUCED (MG)			DAILY AVERAGE (MGD)			Total Produced	Daily Average	Taste/Odor Complaints
Month	Fancy Bluff	Exit 29	Brookman	Fancy Bluff	Exit 29	Brookman			
January 2021	2.714	0.000	5.075	0.088	0.000	0.164	7.789	0.251	
February 2021	3.540	0.000	3.878	0.126	0.000	0.139	7.418	0.265	
March 2021	4.295	0.000	3.662	0.139	0.000	0.118	7.957	0.257	
April 2021	4.575	0.000	4.068	0.153	0.000	0.136	8.643	0.288	
May 2021	7.847	0.000	3.583	0.253	0.000	0.116	11.430	0.369	
June 2021	4.711	0.000	4.544	0.157	0.000	0.151	9.255	0.309	
July 2021	3.847	0.000	4.563	0.124	0.000	0.147	8.410	0.271	
August 2021	3.563	0.000	4.334	0.115	0.000	0.140	7.897	0.255	
September 2021	4.019	0.000	3.137	0.134	0.000	0.105	7.156	0.239	
October 2021	4.902	0.000	4.270	0.158	0.000	0.138	9.172	0.296	
November 2021	5.504	0.000	3.818	0.183	0.000	0.127	9.322	0.311	
December 2021	4.349	0.000	3.832	0.140	0.000	0.124	8.181	0.264	
January 2022	2.937	0.003	5.387	0.095	0.000	0.174	8.327	0.269	
February 2022	3.895	0.010	3.226	0.139	0.000	0.115	7.131	0.255	
March 2022	4.616	0.000	4.673	0.149	0.000	0.151	9.289	0.300	
April 2022	5.022	0.005	5.102	0.167	0.000	0.170	10.129	0.338	
May 2022	5.262	0.002	5.638	0.170	0.000	0.182	10.902	0.352	
June 2022	4.824	0.005	5.136	0.161	0.000	0.171	9.965	0.332	0
July 2022	4.807	0.005	3.943	0.155	0.000	0.127	8.755	0.282	0
August 2022	4.527	0.000	4.454	0.146	0.000	0.144	8.981	0.290	0
September 2022	3.001	0.010	4.585	0.100	0.000	0.153	7.596	0.253	0
October 2022	1.537	0.005	6.129	0.050	0.000	0.198	7.671	0.247	1
November 2022	3.470	0.000	4.289	0.116	0.000	0.143	7.759	0.259	0
December 2022									
Average	4.251	0.002	4.405	0.140	0.000	0.145	8.658	0.285	0
Max	7.847	0.010	6.129	0.253	0.000	0.198	11.430	0.369	1
Min	1.537	0.000	3.137	0.050	0.000	0.105	7.131	0.239	0



ACADEMY CREEK WWTP	FLOW (MGD)				Influent Concentrations						Effluent Concentrations								Removal Efficiency		Rainfall		Water Meter	Sludge	
	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	Monthly MGal	Tons to Landfill
January 2021	5.7	0.7	5.8	43%	7.5		244	215	20.3	11.9	6.6		6.8	8	11	4.3	0.09	14	5.6	96.72%	94.88%	0.75	1.03	5.578	93.54
February 2021	7.8	1.0	7.8	58%	7.7		247	261	16.8	13.2	6.7		6.8	10	16	4.5	0.10	4	5.3	95.95%	93.87%	1.50	4.96	4.809	108.47
March 2021	7.8	0.8	7.8	58%	7.7		252	299	18.9	11.8	6.8		6.8	11	16	6.9	0.10	10	2.8	95.63%	94.65%	1.80	3.64	7.279	88.57
April 2021	6.4	0.7	6.5	48%	7.7		231	241	20.8	13.4	6.9		6.6	7	9	8.9	0.08	3	4.4	96.97%	96.27%	1.30	3.29	7.845	142.20
May 2021	5.5	0.8	5.6	41%	7.6		251	276	21.7	8.2	6.9		6.6	7	9	7.0	0.03	5	2.9	97.21%	96.74%	0.21	0.33	5.144	112.74
June 2021	5.0	0.8	5.1	38%	7.5		441	516	22.9	15.3	6.7		6.1	8	10	8.1	0.01	11	4.5	98.19%	98.06%	0.90	0.95	3.952	123.10
July 2021	7.6	0.8	6.8	50%	7.6		280	282	19.4	9.8	6.6		6.2	9	11	10.2	0.47	10	3.5	96.79%	96.10%	5.35	8.73	8.186	85.20
August 2021	8.1	0.8	8.0	59%	7.7		176	159	13.7	6.2	6.6		6.6	8	9	7.7	0.09	14	2.1	95.45%	94.34%	2.15	5.99	10.052	114.21
September 2021	7.4	0.8	7.8	58%	7.5		180	233	17.5	9.8	6.9		6.5	7	8	9.0	0.04	30	3.3	96.11%	96.57%	1.25	3.60	7.903	113.80
October 2021	7.0	0.6	7.0	52%	7.5		184	239	21.0	8.0	6.7		6.3	7	8	11.6	0.03	2	1.7	96.20%	96.65%	1.50	3.65	N/A	131.16
November 2021	7.2	0.8	7.4	55%	7.5		174	229	19.3	9.2	6.6		6.5	6	8	7.6	0.10	1	2.5	96.55%	96.51%	2.15	3.01	10.323	131.95
December 2021	5.9	0.7	6.0	44%	7.4	194.3	232	256	19.7	9.7	6.6	94.2	5.7	8	9	6.0	0.04	1	1.7	96.55%	96.48%	1.05	1.36	9.727	113.77
January 2022	5.9	0.8	5.9	43%	7.3	184.0	239	287	19.6	8.5	6.5	105.3	6.8	8	11	5.4	0.01	1	3.4	96.65%	96.17%	1.30	1.40	10.609	140.30
February 2022	5.8	0.7	5.6	41%	7.3	190.8	247	281	20.5	17.4	6.6	119.7	6.6	15	16	10.9	0.03	1	8.9	93.93%	94.31%	0.44	1.34	5.836	113.35
March 2022	7.6	0.8	7.2	54%	7.5	176.6	206	247	19.5	12.7	6.5	99.2	7.2	7	6	7.2	0.10	1	4.6	96.60%	97.57%	1.72	7.66	8.525	132.23
April 2022	6.8	0.8	6.6	49%	7.4	181.2	214	231	21.2	8.5	6.4	87.5	6.6	4	3	2.7	0.01	1	8.5	98.13%	98.70%	0.40	1.00	6.407	79.59
May 2022	4.9	0.8	5.4	40%	7.4	210.0	214	204	19.4	6.3	6.5	95.1	6.5	5	3	2.2	0.05	1	1.9	97.66%	98.53%	0.85	2.55	5.885	78.08
June 2022	5.1	1.0	6.0	45%	7.4	180.6	171	163	19.8	4.2	6.5	78.1	6.1	5	2	2.0	0.04	1	2.4	97.08%	98.77%	2.30	5.55	6.800	80.34
July 2022	6.3	0.9	7.4	55%	7.5	190.8	143	141	13.5	9.9	6.5	97.7	6.4	5	3	2.6	0.04	1	3.6	96.50%	97.87%	2.09	8.84	6.400	75.67
August 2022	5.7	0.9	6.5	48%	7.4	183.2	180	177	18.4	10.9	6.5	104.6	6.1	5	3	3.7	0.05	1	6.4	97.22%	98.31%	1.35	3.71	5.607	55.44
September 2022	10.4	0.9	10.7	79%	7.1	171.2	143	153	10.9	5.3	6.5	71.6	7.0	9	8	4.2	0.13	1	3.5	93.71%	94.77%	2.83	10.05	6.628	47.52
October 2022	6.1	0.8	6.5	48%	7.5	144.2	204	170	16.7	5.9	6.6	69.1	6.6	6	6	2.7	0.04	1	2.6	97.06%	96.47%	1.30	1.60	5.598	62.62
November 2022	5.6	0.8	5.8	43%	7.5	192.4	193	159	20.5	7.8	6.4	78.0	6.5	5	6	2.5	0.07	1	4.1	97.41%	96.23%	1.50	1.70	6.142	63.39
December 2022																									
Average	6.6	0.8	6.7	50%	7.5	183.3	219.4	236	18.8	9.7	6.6	91.7	6.5	7.4	8.3	6.0	0.08	5	3.9	96.53%	96.47%	1.56	3.74	7.056	99.45
Max	10.4	1.0	10.7	79%	7.7	210.0	441.0	516	22.9	17.4	6.9	119.7	7.2	15.0	16.0	11.6	0.47	30	8.9	98.19%	98.77%	5.35	10.05	10.609	142.20
Min	4.9	0.6	5.1	38%	7.1	144.2	143.0	141	10.9	4.2	6.4	69.1	5.7	4.0	2.0	2.0	0.01	1	1.7	93.71%	93.87%	0.21	0.33	3.952	47.52
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	17.4	0.14	35	Report	85.00%	85.00%				

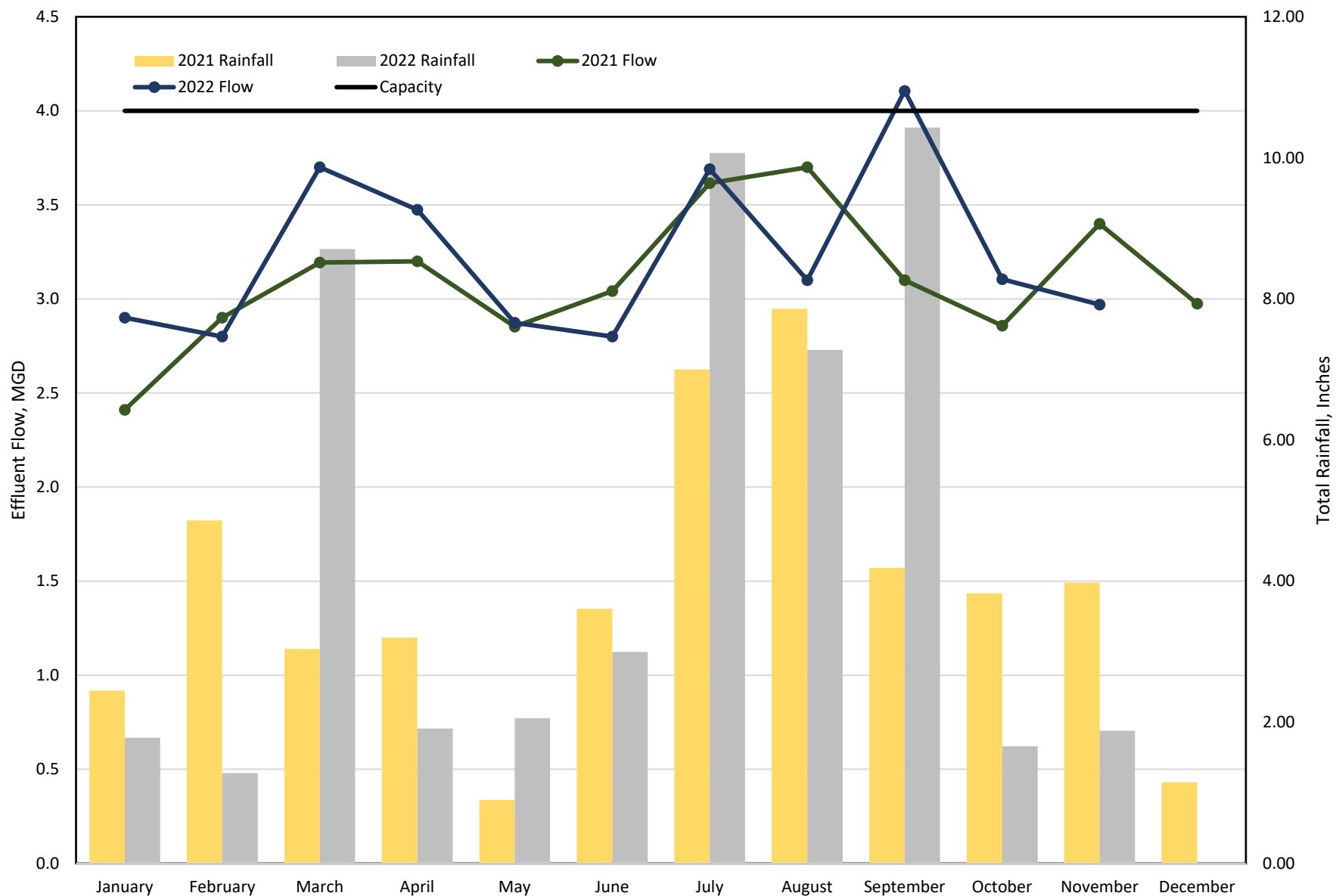
BOD - Biochemical Oxygen Demand
TSS - Total Suspended Solids
NH3 - Ammonia
Phos - Phosphorus
D.O. - Dissolved Oxygen
TRC - Total Residual Chlorine
Entero. - Enterococci Bacteria



DUNBAR CREEK 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 2021	2.3	2.4	60%	7.1		181	210	34.9	3.90	6.8		8.6	3.0	2.0	0.4	2	3.0	98.34%	99.05%	0.68	2.45	0.560	27.32
February 2021	2.7	2.9	73%	7.1		167	181	31.2	3.80	6.8		8.3	4.0	2.6	0.5	12	2.4	97.60%	98.56%	1.28	4.86	0.531	26.58
March 2021	2.8	3.2	80%	7.2		188	244	42.2	4.70	7.0		8.1	3.0	2.0	0.9	7	3.0	98.40%	99.18%	1.56	3.04	0.410	29.47
April 2021	2.6	3.2	80%	7.2		212	277	53.4	4.20	6.9		7.7	2.0	2.0	0.7	2	2.4	99.06%	99.28%	1.94	3.20	0.562	20.21
May 2021	2.4	2.9	71%	7.2		228	248	32.0	4.30	7.6		7.9	3.0	1.0	0.6	2	2.7	98.68%	99.60%	0.34	0.90	0.430	18.33
June 2021	2.6	3.0	76%	7.1		237	257	23.3	5.05	6.9		6.4	3.0	2.0	0.2	4	2.4	98.73%	99.22%	1.11	3.61	1.067	24.35
July 2021	3.0	3.6	90%	7.0		199	226	40.6	4.55	6.8		7.5	4.0	3.0	0.5	6	3.3	97.99%	98.67%	4.43	7.00	0.634	33.61
August 2021	3.2	3.7	93%	6.9		150	255	24.7	4.05	6.9		7.7	4.0	2.0	0.7	7	2.9	97.33%	99.22%	2.01	7.86	0.470	20.51
September 2021	2.7	3.1	78%	7.1		143	167	27.0	3.10	7.0		7.9	3.8	1.0	0.6	3	2.0	97.34%	99.40%	1.29	4.19	0.297	13.23
October 2021	2.5	2.9	71%	7.0		179	208	29.6	4.05	7.7		7.6	3.0	2.0	0.8	6	2.7	98.32%	99.04%	1.46	3.83	0.506	24.55
November 2021	3.0	3.4	85%	7.2		162	196	21.1	2.60	7.1		8.1	3.0	2.0	0.8	4	1.1	98.15%	98.98%	3.12	3.98	0.754	24.24
December 2021	2.5	3.0	74%	7.0	208.0	183	233	20.8	4.25	7.0	47.7	8.0	3.0	3.0	0.7	2	1.6	98.36%	98.71%	0.84	1.15	1.268	44.38
January 2022	2.5	2.9	73%	7.0	211.0	175	205	26.3	3.65	7.2	57.1	8.2	3.0	3.0	1.0	1	1.2	98.29%	98.54%	0.95	1.78	1.190	28.32
February 2022	2.4	2.8	70%	7.2	253.0	198	228	33.5	3.85	7.1	63.0	8.2	3.3	2.5	0.8	1	1.2	98.36%	98.90%	0.34	1.28	0.047	34.41
March 2022	3.2	3.7	93%	7.2	215.6	185	188	21.5	3.05	7.1	53.1	7.8	3.0	2.0	0.9	7	1.0	98.38%	98.94%	2.81	8.71	0.061	35.13
April 2022	3.0	3.5	87%	7.2	209.0	181	221	19.3	3.45	7.1	60.1	7.6	3.0	3.0	0.5	1	1.6	98.34%	98.64%	1.13	1.91	0.047	25.74
May 2022	2.9	2.9	72%	7.0	250.0	204	217	25.7	4.55	7.0	73.0	7.5	3.0	2.0	0.9	6	2.5	98.53%	99.08%	0.78	2.06	0.051	24.80
June 2022	2.8	2.8	70%	7.2	258.0	218	232	27.9	4.85	7.2	103.0	7.4	4.0	2.0	3.5	2	2.2	98.17%	99.14%	1.13	3.00	0.043	33.39
July 2022	3.6	3.7	92%	7.3	227.0	164	174	28.3	3.85	7.3	71.9	7.3	3.0	2.0	0.7	9	1.2	98.17%	98.85%	2.49	10.07	0.040	22.81
August 2022	3.1	3.1	78%	7.5	216.0	155	170	25.1	3.35	7.8	57.9	7.3	3.0	3.0	0.5	1	1.6	98.06%	98.24%	2.46	7.28	0.072	26.30
September 2022	4.2	4.1	103%	7.3	176.6	110	140	15.9	3.00	7.5	54.2	7.6	3.0	3.0	0.7	2	1.2	97.27%	97.86%	4.09	10.43	0.299	12.14
October 2022	3.2	3.1	78%	7.7	212.0	164	194	14.7	3.00	7.5	51.2	8.0	3.0	3.0	0.8	1	2.3	98.17%	98.45%	1.41	1.66	0.412	9.25
November 2022	3.0	3.0	74%	7.1	209.0	173	184	20.9	3.00	7.2	56.0	8.2	3.0	3.0	1.0	23	2.5	98.27%	98.37%	1.39	1.88	1.989	38.08
December 2022																							
Average	2.9	3.2	79%	7.2	220.4	180.7	211.1	27.8	3.83	7.1	62.4	7.8	3.2	2.3	0.8	5	2.1	98.19%	98.87%	1.7	4.2	0.510	25.96
Max	4.2	4.1	103%	7.7	258.0	237.0	277.0	53.4	5.05	7.8	103.0	8.6	4.0	3.0	3.5	23	3.3	99.06%	99.60%	4.4	10.4	1.989	44.38
Min	2.3	2.4	60%	6.9	176.6	110.0	140.0	14.7	2.60	6.8	47.7	6.4	2.0	1.0	0.2	1	1.0	97.27%	97.86%	0.3	0.9	0.040	9.25
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	5.0	20.0	2.0	35	Report	85.00%	85.00%				

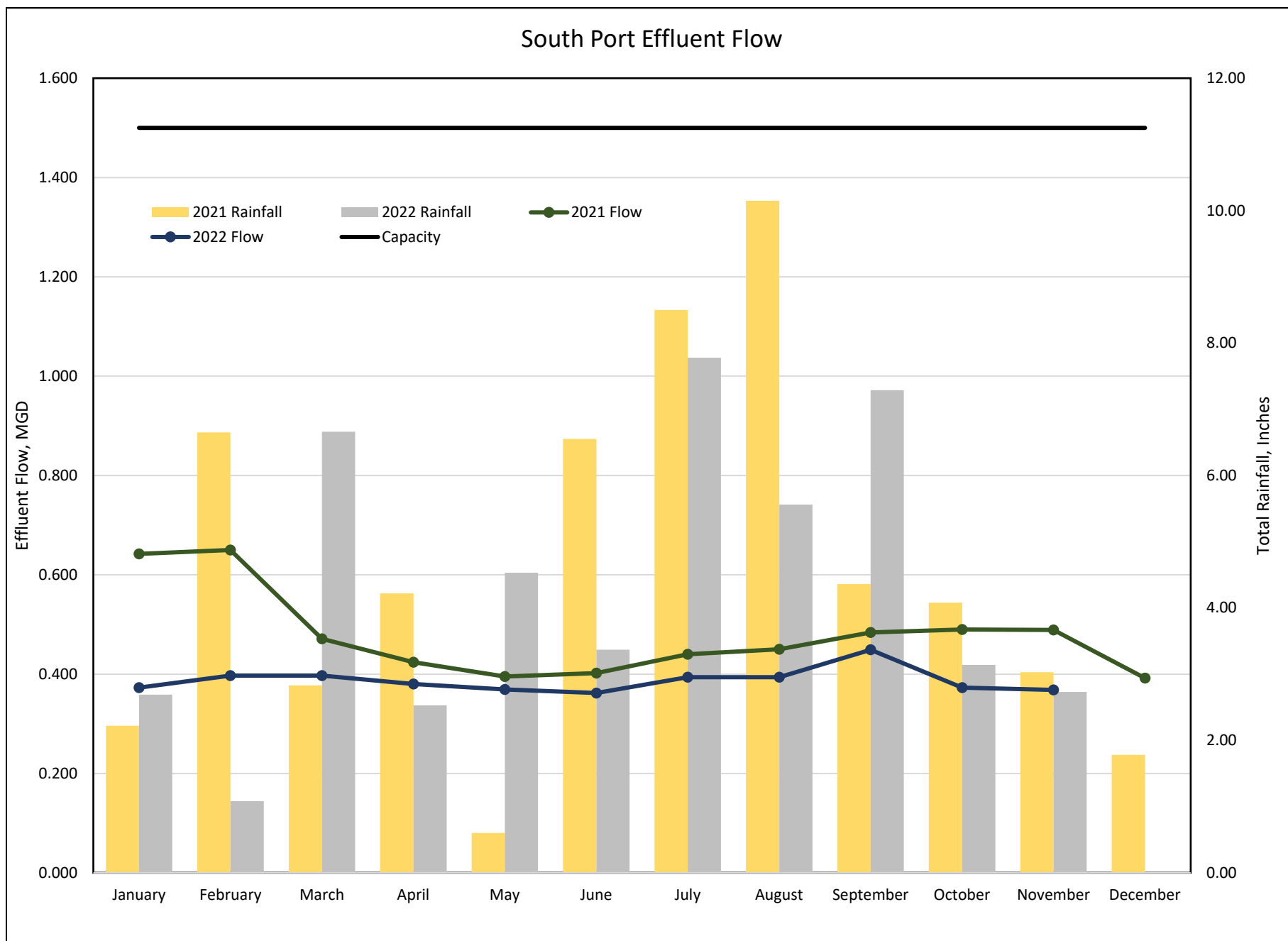
BOD - Biochemical Oxygen Demand
TSS - Total Suspended Solids
NH3 - Ammonia
Phos - Phosphorus
D.O. - Dissolved Oxygen
TRC - Total Residual Chlorine
Entero. - Enterococci Bacteria

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 2021	0.635	0.642	43%	6.9		103	154	27.3	4.20	7.4		8.3	5.0	3.0	0.3	1	0.4	95.15%	98.05%	0.54	2.22	0.708	0.00
February 2021	0.609	0.650	43%	7.0		96	155	24.3	2.75	7.5		8.6	7.0	3.0	0.6	14	0.6	92.71%	98.06%	1.26	6.65	0.131	11.09
March 2021	0.464	0.471	31%	6.9		118	180	37.6	3.60	7.6		7.9	6.0	4.0	1.0	23	1.6	94.92%	97.78%	1.46	2.83	0.044	2.53
April 2021	0.414	0.424	28%	6.5		170	237	53.8	4.20	7.6		7.6	7.0	3.0	0.4	4	1.4	95.88%	98.73%	2.18	4.22	0.124	2.19
May 2021	0.399	0.395	26%	6.8		233	239	40.0	3.40	7.9		7.6	7.0	4.0	0.7	5	2.5	97.00%	98.33%	0.30	0.60	0.010	2.12
June 2021	0.392	0.402	27%	6.9		152	124	25.3	5.10	7.8		7.0	5.0	4.0	0.2	7	2.6	96.71%	96.77%	1.75	6.55	0.421	1.99
July 2021	0.403	0.440	29%	7.0		138	139	43.9	3.95	7.6		7.0	5.0	3.0	2.3	6	3.1	96.38%	97.84%	4.75	8.50	0.393	3.88
August 2021	0.408	0.450	30%	7.0		103	98	35.8	4.60	7.1		7.4	8.0	3.0	0.7	7	2.8	92.23%	96.94%	2.15	10.15	0.033	4.16
September 2021	0.420	0.484	32%	6.8		94	103	32.5	3.05	7.1		6.9	6.0	2.0	0.7	6	1.7	93.62%	98.06%	1.15	4.36	0.051	1.89
October 2021	0.430	0.490	33%	6.9		134	143	33.1	3.75	7.7		7.0	5.0	2.0	1.0	5	1.7	96.27%	98.60%	2.01	4.08	0.026	5.02
November 2021	0.430	0.489	33%	7.0		157	180	29.7	3.65	7.2		8.1	5.0	4.0	0.5	4	1.6	96.82%	97.78%	1.88	3.03	0.020	8.86
December 2021	0.293	0.392	26%	7.3	226.5	159	152	27.6	5.00	7.4	46.7	7.9	6.0	3.0	1.5	10	1.5	96.23%	98.03%	0.62	1.78	0.083	4.00
January 2022	0.323	0.373	25%	7.1	213.0	163	164	33.8	4.45	7.3	36.1	9.7	6.0	4.0	0.8	6	2.4	96.32%	97.56%	1.52	2.69	0.180	4.26
February 2022	0.328	0.397	26%	7.3	224.0	156	162	35.8	2.85	7.4	41.1	9.9	6.0	4.0	0.6	2	1.5	96.15%	97.53%	0.28	1.08	0.027	0.00
March 2022	0.295	0.397	26%	7.3	232.8	151	139	29.0	4.05	7.8	58.4	9.6	6.0	3.0	1.1	5	1.9	96.03%	97.84%	2.36	6.66	0.028	5.75
April 2022	0.201	0.380	25%	6.8	216.0	139	136	25.4	4.00	7.0	66.3	7.1	4.0	2.0	0.4	3	2.0	97.12%	98.53%	1.58	2.53	0.130	6.32
May 2022	0.171	0.369	25%	6.8	249.4	158	170	32.6	5.70	7.4	101.0	8.3	6.0	2.0	0.6	2	3.1	96.20%	98.82%	1.82	4.53	0.139	3.48
June 2022	0.168	0.362	24%	6.8	220.0	134	153	29.8	4.95	7.7	81.6	8.4	4.0	3.0	0.4	2	2.9	97.01%	98.04%	1.01	3.37	0.033	6.98
July 2022	0.168	0.394	26%	6.8	193.5	148	208	28.7	3.95	7.7	45.6	8.3	5.0	7.0	0.5	4	2.6	96.62%	96.63%	2.76	7.78	0.013	1.39
August 2022	0.204	0.394	26%	6.8	181.0	213	174	30.6	3.90	7.6	46.5	8.4	6.0	4.0	0.4	3	2.4	97.18%	97.70%	1.52	5.56	0.028	1.41
September 2022	0.247	0.449	30%	7.0	163.1	131	191	25.3	3.55	7.6	41.8	8.6	8.0	4.0	0.4	2	1.3	93.89%	97.91%	1.82	7.29	0.018	2.82
October 2022	0.309	0.373	25%	6.9	206.0	129	156	21.3	4.25	7.5	30.8	9.2	4.0	3.0	0.6	4	1.6	96.90%	98.08%	2.92	3.14	0.018	1.13
November 2022	0.407	0.368	25%	6.8	215.0	141	180	23.5	4.55	7.5	38.5	9.2	4.0	4.0	1.4	3	2.0	97.16%	97.78%	2.02	2.73	0.025	3.46
December 2022																							
Average	0.353	0.434	29%	6.9	211.7	144.3	162.5	31.6	4.06	7.5	52.9	8.2	5.7	3.4	0.7	6	2.0	95.85%	97.89%	1.7	4.4	0.117	3.68
Max	0.635	0.650	43%	7.3	249.4	233.0	239.0	53.8	5.70	7.9	101.0	9.9	8.0	7.0	2.3	23	3.1	97.18%	98.82%	4.8	10.2	0.708	11.09
Min	0.168	0.362	24%	6.5	163.1	94.0	98.0	21.3	2.75	7.0	30.8	6.9	4.0	2.0	0.2	1	0.4	92.23%	96.63%	0.3	0.6	0.010	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	30.0	30.0	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 – December 2022

#906 WATER POLLUTION CONTROL REHAB- ACADEMY CREEK WPCF (99% - DECEMBER 2022)



1. Mark Ryals (Plant Superintendent), Alvin Lang (Plant Supervisor), and Ruby-Collins (Contractor) discussing the remaining punch list items for the Sludge Offloading Facility.
2. View of the Clarifier #6 Gearbox drive housing location. The new gearbox drive is pending delivery from the Manufacturer for installation, which is anticipated to be delivered by the end of the month.
3. View of the Clarifier #5 Gearbox drive equipment for reference.

Facility Construction Project Photos – December 2022

#2014 PS 2002 FORCEMAIN REPLACEMENT (SELF-PERFORMED) (IN PROGRESS)



1. Construction Crew Members are working efficiently in spreading the temporary asphalt patch to allow full access along Arnold Road.
2. Westbound view of Arnold Road from the Pump Station 2002. Final paving pending scheduling from Paving Contractor.

Facility Construction Project Photos – December 2022

#2016 ACRO AREA WATER AND SEWER EXTENSION (24% - MARCH 2023)



1. Aaron Beckworth (Black Creek Contracting Superintendent), Mike Fields (PCD Senior Inspector), and Robert Lindsay (PCD Inspector) are discussing ongoing and planned construction activities.
2. Newly installed sewer main manhole with frame and cover constructed near the intersection of 9th Street and Dudley Street.
3. Robert Lindsay (PCD Inspector), the newest member of PCD, is observing the Contractor's backfilling activities for the newly installed 8-inch sewer main near the intersection of 9th Street and Franklin Avenue.

Facility Construction Project Photos – December 2022

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



1. Brian Savage (WDD Crew Member), the newest member of the WDD, is showcasing a 2-inch galvanized fitting, and the line was removed from Carter Drive in the North Mainland District.
2. Stacey Brown (SPMD Crew Member) showcasing a 1-inch galvanized line removed from the Arnold Road, SSI FM project
3. Various 1-inch galvanized fittings, and a valve was removed from the Marsh Circle, SSI.

Facility Construction Project Photos – December 2022

2028 METER REPLACEMENTS – YEARS 1 & 2 (IN PROGRESS-TBD)



1. Dennis Richardson (M&E Const. Meter Tech) is preparing to install a new water meter at 117 Holly Street, SSI. FYI - the resident has lived at his home for more than 30 years, and is happy to see the use of new WM technology at his home.
2. Sammy Castro (M&E Const. Meter Tech) is uncovering an existing water meter at 3309 Frederica Road, SSI. In this location – the water meter is buried in about 3 feet of landscaping soil and mulch, and many cases throughout the county, causing difficulty for the staff to locate and read manually.
3. Silvestre Cruz-Lopez (JWSC Meter Services Tech) inspecting Jesse Etheridge (M&E Const. Meter Tech) activities at 115 Saint Clair Drive in the Saint Clair Subdivision, SSI.

Facility Construction Project Photos – December 2022

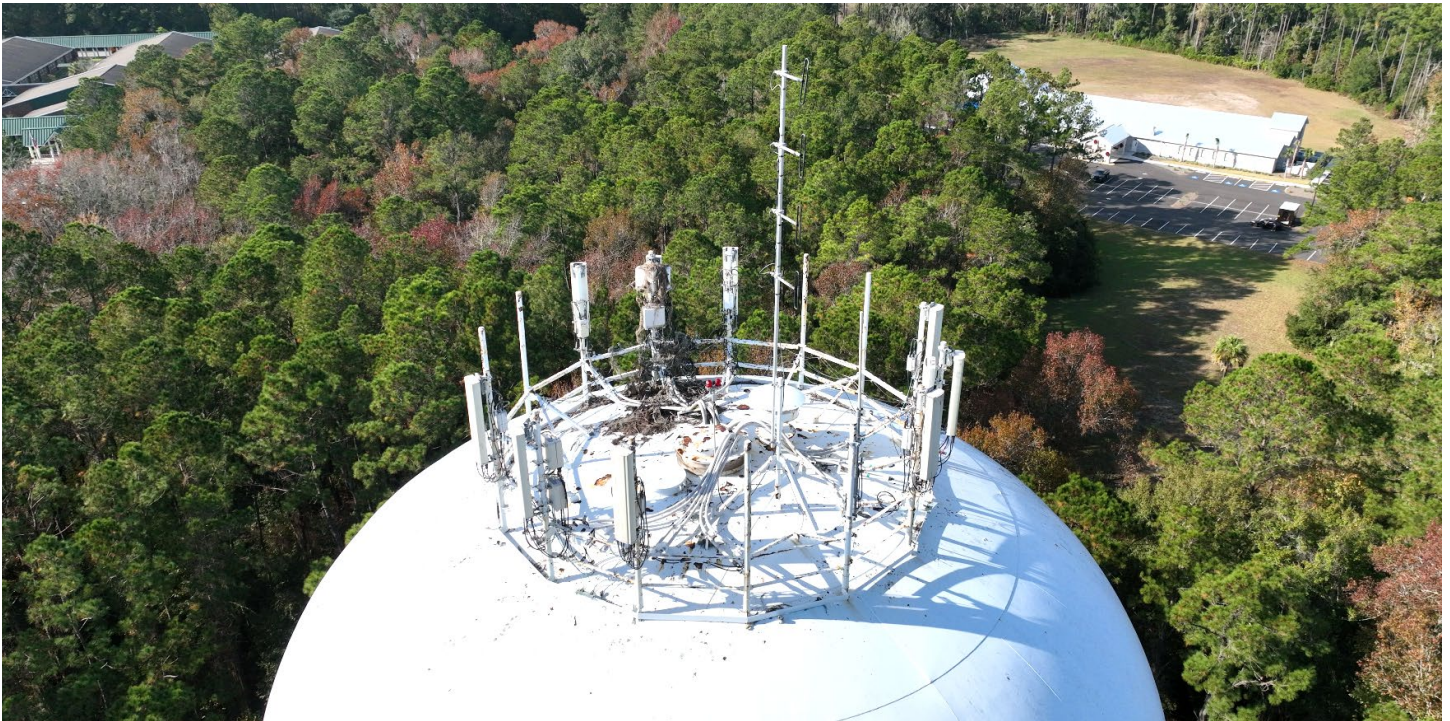
2106 DUNBAR CREEK WPCF REHAB (IN PROGRESS-TBD)



- 1. View of various AB#2 diffusers removed and awaiting for the Manufacturer to deliver new submerged diffusers for installation.**
- 2. Drone view of the existing post-aeration basin, which is to be modified, and construct UV and filtering system improvements to increase the Dunbar treatment capacity to 5 MGD.**

Facility Construction Project Photos – December 2022

2203 EST REHAB AT GLYNN PLACE MALL AND OGLETHORPE SITES (2% - JUNE 2023)



1. Drone view of the Glynn Mall Place EST – The welding Contractor is installing containment clips to the roof knuckle in preparation for the blasting and painting containment outriggers system.
2. Drone view of the Oglethorpe EST – the top view of the communication corral system on top of the tank. An onsite meeting with AT&T, Utility Services, and the construction team is scheduled for 12/27/2022 to discuss the sector-by-sector shutdown of the communication system for the proposed work.

									BUDGET VS. EXPENDITURES															
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	% Funded Project Complete (Based on Expenditures)	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 Budget Remaining (Original Approved Budget - Total Expenditures)			Status	
702	North Mainland Sewer Improvements (NMSI)	Sept 2021	Jul 2022	Master	Kline/Vo	JWSC	Thomas & Hutton	(multiple)	\$0	\$2,189,841	\$12,710,159	\$14,900,000	\$14,152,035	-\$621,691.00	\$13,530,344	\$13,433,351	\$32,300	\$0	\$13,465,651	\$1,434,349	99.52%	99%	Design Funds appropriated and divided into three sub-projects.	
	NMSI PHII Gravity Sewer Rehab CIPP	Sept 2020	Oct 2022	Complete	Kline/Vo	JWSC	Thomas & Hutton	IPR Southeast			\$2,550,519												Construction Complete.	
	NMSI - PHII PS4035 & 4036 Upgrade	Feb 2022	Apr 2022	Complete	Kline/Vo	JWSC	Thomas & Hutton	Southern Civil, LLC			\$2,612,040												Construction Complete.	
	NMSI - PHIII Force Main Reroute	Mar 2022	Jul 2022	Complete	Kline/Vo	JWSC	Thomas & Hutton	TB Landmark Construction Inc			\$4,345,168												Construction Complete. Record drawing submittal received and returned for Contractor to address additional comments 12/08/2022.	
801	FEMA Hazard Mitigation-Academy Creek	TBD	TBD	Const.	Burroughs	Chatham Engineering	Chatham Engineering	Y-Delta	\$3,188,000	\$0	\$0	\$3,188,000	\$2,295,516	\$0	\$2,295,516	\$74,033	\$2,224,783	\$163,747	\$2,462,563	\$725,437	100.14%	3%	Submittals approved. Significant lead time on items.	
906	Water Pollution Rehab-Academy & Dunbar	Apr 2022	Apr 2022	Const.	Burroughs	JWSC	GMC	Ruby-Collins, Inc.	\$0	\$0	\$16,641,306	\$16,641,306	\$12,324,433	\$570,595	\$12,895,028	\$11,881,849	\$1,163,179	\$50,107	\$13,095,135	\$3,546,171	101.16%	92%	Punchlist corrections ongoing. Most issues remain with either SCADA, equipment electronics, and the sludge offloading facility. Sludge offloading facility will require redesign/rework due to issues discovered at startup.	
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	\$0.00	\$0	\$1,022,347	\$1,712,653	100.00%	100%	Design Funds appropriated and divided into two sub-projects.	
	PS4105-4107 Basin Expansion/FM Reroute	Jul 2022	TBD	Design	Kline/Patel	JWSC	Robers Civil Engineering	TBD	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0.00	\$0	\$0	\$0	0%	0%	JWSC staff meeting held and preparing plans and specs for EPD submittal 11/08/2022. JWSC staff verifying footages and installation methods as bid alternates.	
	Basin 4036 CIPP	Jul 2022	Jul 2022	Complete	Kline/Vo	JWSC	JWSC	Bio-Nomics Services, Inc.	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0.00	\$0	\$0	\$0		0%	Construction Complete.	
2009	Sea Palms East Water Line Rehab	TBD	TBD	On Hold	Simmons	JWSC	JWSC	JWSC	\$0	\$0	\$178,595	\$178,595	\$36,548	\$0	\$36,548	\$36,548	\$0	\$1,156	\$37,704	\$ 140,891	100.00%	100%	Project on hold pending Frederica Road open-cut installation sections to be installed during the off-season. JWSC is working with Glynn County regarding ROW permitting and is currently sourcing materials for construction.	
2014	PS 2002 FM Replacement	Dec 2022	TBD	Const.	Burroughs	JWSC	T R Long/AWWIS	Phase 1 - JWSC Phase 2 - TBD	\$500,000	\$0	\$0	\$500,000	\$279,572	\$0	\$279,572	\$148,694	\$129,755	\$1,231	\$279,680	\$220,320	99.60%	53%	Approximately 1,000 feet of pipe installed along Arnold Road. Approximately 300 feet of pipe needs installing in Demere Road ROW and connection to station and downstream force main.	
2015	Bay Street Water Improvements	Jun 2022	Jun 2022	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	100.00%	100%	Contractor addressing final punchlist items and record drawings submitted for review.	
2016	Arco Area Water and Sewer Extensions	Jan 2023	Jan 2023	Complete	Patel	JWSC	Thomas & Hutton	N/A	\$0	\$300,000	\$0	\$300,000	\$300,000	\$0	\$300,000	\$298,210	\$1,790	\$ -	\$300,000	\$0.00	100.00%	99%	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%	Project on hold pending additional survey investigation.	
2020	Community Rd Sewer Expansion	Jan 2023	Jan 2023	Design	Patel	Hussey Gay Bell	JWSC	TBD	\$0	\$250,000	\$0	\$250,000	\$280,916	\$76,650	\$357,566	\$240,452	\$117,114	\$0	\$357,566	\$ (107,566.00)	100.00%	67%	90% submittal review comments forwarded to EOR for revisions. EPD/LDA/GDOT permitting submission in progress.	
2021	Annual Galvanized Replacements Program	Jul 2022	Jul 2022	Const.	Simmons	JWSC	JWSC	JWSC	\$750,000	\$0	\$0	\$750,000	\$254,394	\$0	\$254,394	\$213,391	\$70,607	\$383	\$284,381	\$465,619	111.64%	84%	New services installed in St. Clair and customers being swapped over. Materials ordered for Couper Ave replacement.	
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%	Project on hold pending Glynn County Sea Island-Federica Road Traffic Circle Design.	
2024	Master Plan Update	Mar 2021	TBD	Design	Burroughs	JWSC	Four Waters Engineering, Inc.	N/A	\$247,500	\$0	\$0	\$247,500	\$247,500	\$0	\$247,500	\$244,670	\$2,830	\$0	\$247,500	\$0	100.00%	99%	Comments provided to the Consultant on the project database. Awaiting response.	
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%	Project is on hold pending system evaluation after the NM Water Loops project is completed.	
2028	Meter Replacements - Years 1 and 2	Jun 2022	Jun 2022	Const.	Roberts/Head	JWSC	JWSC	Delta Muncpal Supply/Neptun e Technology Group	\$0	\$0	\$18,200,000	\$18,200,000	\$12,491,023	\$6,743,583	\$19,234,606	\$14,455,428	\$3,735,420	\$6,199	\$18,197,047	\$2,953	94.57%	75%	Approximately 17,400 meters replaced to date. Overall meter replacement project approximately 58% complete.	
2101	Arco Water & Sewer Expansion	Oct 2022	Oct 2022	Const.	Kline/Patel	JWSC	Thomas & Hutton	UWS Inc	\$0	\$0	\$3,500,000	\$3,500,000	\$3,744,090	\$0	\$3,744,090	\$811,946	\$2,932,143	\$0	\$3,744,089	-\$244,089	100.00%	22%	Gravity main installation along Ninth St is in progress. Gravity sewer re-design is in progress. Change Order #2 pending BOC approval.	
2102	Canal Road Water Production Facility	Aug 2023	TBD	Design	Kline/Vo	Thomas & Hutton	Thomas & Hutton	TBD	\$1,850,000	\$0	\$0	\$1,850,000	\$225,800	\$0	\$225,800	\$74,220	\$151,580	\$0	\$225,800	\$1,624,200	100.00%	33%	Preliminary site inspection with EE held 11/22/2022. Airport sublease paperwork pending BOC approval and 90% submittal pending EOR.	
2103	NM Water Loops	Dec 2022	TBD	Design	Kline/Vo	Four Waters Engineering, Inc.	Four Waters Engineering, Inc.	TBD	\$1,250,000	\$0	\$0	\$1,250,000	\$214,000	\$0	\$214,000	\$118,300	\$95,700	\$0	\$214,000	\$1,036,000	100.00%	55%	Status meeting held with EOR 11/08/2022. EOR is coordinating with various agencies (Glynn County and EPD) for permit approval prior to submitting the Bid-Ready package for Construction Advertisement.	
2104	PS 4002 Rehab	TBD	TBD	Design	Kline	Kimley-Horn	Kimley-Horn	TBD	\$650,000	\$0	\$0	\$650,000	\$36,686	\$0	\$36,686	\$6,704	\$29,982	\$43,314	\$80,000	\$570,000	100.00%	18%	Bid Open held 12/07/2022. One bid was received from PopCo, Inc for \$3,853,309.00. A meeting was held with EOR and JWSC Staff to discuss bid result 12/08/2022.	
2105	PS 4044 Rehab	Nov 2022	TBD	Design	Kline/Vo	LEA	LEA	TBD	\$550,000	\$0	\$0	\$550,000	\$73,000	\$0	\$73,000	\$35,190	\$37,810	\$0	\$73,000	\$477,000	100.00%	48%	Electrical Plan template pending EE final approval. EOR 90% package submittal pending coordination with GA power for transformer service location.	
2106	Dunbar Creek Engineering	May 2022	May 2022	Const.	Burroughs	BRW/HGB	HGB	BRW	\$450,000	\$0	\$5,200,000	\$5,650,000	\$5,690,405	\$0	\$5,690,405	\$699,622	\$4,990,783	\$0	\$5,690,405	-\$40,405	100.00%	12%	Submittal review ongoing. Contractor has provided drawing for a shift of the proposed entrance road to allow for future installation of full size third clarifier. Awaiting pricing for change.	
2108	PS 4001 Rehab	TBD	TBD	Design	Kline	Kimley-Horn	Kimley-Horn	TBD	\$400,000	\$0	\$0	\$400,000	\$18,643	\$0	\$18,643	\$3,352	\$15,291	\$21,657	\$40,300	\$359,700	100.00%	18%	Bid Open held 12/07/2022. One bid was received from PopCo, Inc for \$3,853,309.00. A meeting was held with EOR and JWSC Staff to discuss bid result 12/08/2022.	
2109	Hwy 17 North Pump Station	TBD	TBD	Design	Kline/Patel	JWSC	JWSC	TBD	\$400,000	\$0	\$0	\$400,000	\$28,577	\$0	\$28,577	\$27,605	\$972	\$0	\$28,577	\$371,423	100.00%	97%	Pumps received and stored at Academy. SCADA/Electrical design sheets re-design in progress. EPD permitting submission in progress.	
2110	PS 3101 Rehab	TBD	TBD	Design	Kline	Kimley-Horn	Kimley-Horn	TBD	\$375,000	\$0	\$0	\$375,000	\$18,643	\$0	\$18,643	\$3,352	\$15,291	\$21,657	\$40,300	\$334,700	100.00%	18%	Bid Open held 12/07/2022. One bid was received from PopCo, Inc for \$3,853,309.00. A meeting was held with EOR and JWSC Staff to discuss bid result 12/08/2022.	
2201	Academy Creek RAS Replacements	TBD	TBD	Design	Burroughs	TBD	TBD	TBD	\$1,500,000	\$0	\$0	\$1,500,000	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$1,500,000		0%	Mechanical and piping design completed. Awaiting electrical design for bidding.	
2202	Water Production SCADA	TBD	TBD	Design	Burroughs	TBD	TBD	TBD	\$750,000	\$0	\$0	\$750,000	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$750,000		0%	WPD and SCADA finalizing the scope of work for Engineering RFP.	
2203	EST Rehab at Glynn Place Mall and Oglethrope Sites	June 2023	TBD	Const.	Kline/Vo	JWSC	JWSC	TBD	\$1,000,000	\$0	\$0	\$1,000,000	\$1,423,617	\$0	\$1,423,617	\$0	\$1,423,617	\$0	\$1,423,617	-\$423,617	100.00%	0%	NTP 12/02/2022. Demolition and welding activities are underway at both sites. The first monthly construction meeting to be held at the Oglethrope EST is scheduled for 12/27/2022.	
2204	PS 2056 Pumps and FM Improvements	TBD	TBD	Design	Kline/Vo	JWSC	TBD	TBD	\$700,000	\$0	\$0	\$700,000	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$700,000		0%	SPMD and SCADA finalizing the scope of work for Engineering RFP.	

									BUDGET VS. EXPENDITURES																
									BOC APPROVED FUNDING & SOURCE				COMMITTED			EXPENDITURES				BALANCE	STATUS				
Proj #	Project Name	Programmed Completion Date	Current/Actual Completion Date	Phase	Project Director/ Project Manager	Concept Design 30%	Detail Design 60-90-100%	Construction	R&R Reserve	CIF Reserve	SPLOST/ Other	Total Original Approved Budget	Purchase Orders Issued	BOC Approved Change Orders	Total PO+CO	Expenditures Paid to PO's	Remaining Encumbrances	Expenditures Misc.	Total Expenditures	Original Approved Budget Remaining (Original Approved Budget - Total Expenditures)	% Funds Committed	% Funded Project Complete (Based on Expenditures)	Status		
2205	PS 2033/2034 Rehab	TBD	TBD	Design	Kline/Vo	JWSC	JWSC	TBD	\$1,400,000	\$0	\$0	\$1,400,000	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$1,400,000		0%	SCADA comments pending. SMPD comments received and PCD to revise scope of work for Construction Advertisement 12/06/2022.		
2206	Ocean Boulevard WM Improvements	TBD	TBD	On Hold	Kline/Vo	JWSC	JWSC	TBD	\$1,750,000	\$0	\$0	\$1,750,000	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$1,750,000		0%	Project on hold. The package will require an updated survey, drawings, and technical specs to be submitted for permit approval prior to construction project advertisement.		
2207	Wesley Oaks Circle WM Improvements	TBD	TBD	Const.	Simmons	JWSC	JWSC	TBD	\$450,000	\$0	\$0	\$450,000	\$79,466	\$0	\$79,466	\$0	\$79,466	\$0	\$79,466	\$370,534		0%	Materials ordered and beginning to arrive. Working with contractor to determine start date for improvements.		
2208	JWSC Facilities Improvements	TBD	TBD	Design	Burroughs	JWSC	JWSC	Various	\$450,000	\$0	\$0	\$450,000	\$69,957	\$0	\$69,957	\$39,957	\$30,000	\$0	\$69,957	\$380,043		57%	Construction activities are underway with various contractors and suppliers. JWSC HQ painting is complete.		
2209	Brunswick Villa Area Sewer Extensions	TBD	TBD	Design	Patel	TBD	TBD	TBD	\$0	\$2,750,000	\$0	\$2,750,000	\$486,780	\$0	\$486,780	\$0	\$486,780	\$0	\$486,780	\$2,263,220		0%	Engineering contract awarded to Kimley-Horn. NTP issued on 12/02/2022. Preliminary Engineering Services in progress.		
2210	PS 3114 Force Main Reroute	TBD	TBD	Design	Kline	JWSC	TBD	TBD	\$0	\$400,000	\$0	\$400,000	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$400,000		0%	System evaluation in progress by Kimley-Horn.		
2211	NM WPCF Land Acquisition and Engineering	TBD	TBD	Design	Burroughs	JWSC	TBD	TBD	\$1,650,000	\$0	\$0	\$1,650,000	\$12,054	\$0	\$12,054	\$0	\$12,054	\$0	\$12,054	\$1,637,946	100.00%	0%	Preliminary site acquisition activities underway.		
									\$23,435,500	\$6,374,841	\$56,430,060	\$86,240,401	\$55,833,269	\$6,778,137	\$62,611,406	\$43,905,488	\$17,779,247	\$309,993	\$61,994,728	\$24,245,673					

Phase	Amount
Master	2
Design	18
Const.	10
On Hold	5
Complete	5
Total Projects	40

Project Director/ Project Manager	Total PO+CO	Total Expenditures
Burroughs	\$21,490,032	\$21,857,294
Kline	\$1,132,586	\$1,219,756
Kline/Patel	\$3,772,667	\$3,772,666
Kline/Vo	\$15,466,761	\$15,402,068
Patel	\$1,144,346	\$1,144,346
Roberts/Head	\$19,234,606	\$18,197,047
Simmons	\$370,408	\$401,551
Young	\$0	\$0
Total	\$62,611,406	\$61,994,728

PM	Burroughs	Roberts	Kline	Vo	Patel	Simmons	Head	Young
Total PO+CO	\$21,490,032	\$19,234,606	\$20,372,014	\$15,466,761	\$4,917,013	\$370,408	\$19,234,606	\$0
Total Expenditures	\$21,857,294	\$18,197,047	\$20,394,490	\$15,402,068	\$4,917,012	\$401,551	\$18,197,047	\$0
Percentage Spent	101.71%	94.61%	100.11%	99.58%	100.00%	108.41%	94.61%	#DIV/0!
Total Projects (includes Master/Sub-projects)	9	1	23	12	6	3	1	1

ID	Task Name	Duration	Scheduled Start	Scheduled Finish	Actual Start	Actual Finish	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027
1	Engineering	1604 days	Thu 11/15/18	Thu 4/6/23	Thu 11/15/18	NA										
6	PS 4105-4107 and FM (In-house)	59 days	Tue 11/1/22	Thu 12/29/22	Tue 11/1/22	NA										
11	NM Water Loops	417 days	Mon 11/8/21	Thu 12/29/22	Mon 11/8/21	NA										
12	Canal Road Water Production Facility	421 days	Thu 12/2/21	Thu 1/26/23	Thu 12/2/21	NA										
13	PS4044 Rehab	246 days	Thu 5/26/22	Thu 1/26/23	Thu 5/26/22	NA										
16	Community Road W&S Extension	1018 days	Mon 6/22/20	Thu 4/6/23	Mon 6/22/20	NA										
25	Advertisement	1307 days	Fri 10/25/19	Tue 5/23/23	Fri 10/25/19	NA										
30	NM Water Loops	47 days	Fri 12/30/22	Tue 2/14/23	NA	NA										
31	Canal Road Water Production Facility	40 days	Fri 1/27/23	Tue 3/7/23	NA	NA										
32	PS 4105-4107 and FM (In-house)	40 days	Fri 12/30/22	Tue 2/7/23	NA	NA										
44	PS4044 Rehab	47 days	Fri 1/27/23	Tue 3/14/23	NA	NA										
47	Community Road W&S Extension	47 days	Fri 4/7/23	Tue 5/23/23	NA	NA										
49	Contract Administration	1340 days	Wed 11/6/19	Fri 7/7/23	Wed 11/6/19	NA										
55	Community Road W&S Extension	45 days	Wed 5/24/23	Fri 7/7/23	NA	NA										
56	NM Water Loops	45 days	Wed 2/15/23	Fri 3/31/23	NA	NA										
57	Canal Road Water Production Facility	45 days	Wed 3/15/23	Fri 4/28/23	NA	NA										
62	PS4044 Rehab	45 days	Wed 2/15/23	Fri 3/31/23	NA	NA										
63	PS Rehab 3101-4001-4002	44 days	Thu 12/8/22	Fri 1/20/23	Thu 12/8/22	NA										
64	PS 4105-4107 and FM (In-house)	45 days	Wed 2/8/23	Fri 3/24/23	NA	NA										
74	Construction	2007 days	Thu 1/10/19	Mon 7/8/24	Thu 1/10/19	NA										
80	PS2002 FM Replacement	60 days	Mon 10/31/22	Thu 12/29/22	Mon 10/31/22	NA										
86	NM Water Loops	180 days	Mon 4/3/23	Tue 10/3/23	NA	NA										
87	Canal Road Water Production Facility	365 days	Mon 5/1/23	Mon 4/29/24	NA	NA										
89	EST Rehab at Glynn Place Mall and Oglethorpe Sites	180 days	Fri 12/2/22	Tue 5/30/23	Fri 12/2/22	NA										
90	PS 4105-4107 and FM (In-house)	180 days	Mon 3/27/23	Fri 9/22/23	NA	NA										
101	PS4044 Rehab	120 days	Mon 4/3/23	Mon 7/31/23	NA	NA										
103	Academy Creek WPCF Rehab	726 days	Mon 1/4/21	Fri 12/30/22	Mon 1/4/21	NA										
104	Dunbar Creek WPCF Rehab	340 days	Fri 10/21/22	Mon 9/25/23	Fri 10/21/22	NA										
105	Annual Galvanized Replacements Program	365 days	Fri 7/1/22	Fri 6/30/23	Fri 7/1/22	NA										
107	Community Road W&S Extension	365 days	Mon 7/10/23	Mon 7/8/24	NA	NA										
108	Sea Palms East Water Line Rehab	914 days	Tue 6/30/20	Fri 12/30/22	Tue 6/30/20	NA										
112	PS Rehab 3101-4001-4002	270 days	Mon 2/13/23	Thu 11/9/23	NA	NA										
113	Arco Area Water and Sewer Extension	345 days	Mon 3/7/22	Tue 2/14/23	Mon 3/7/22	NA										

Capital Projects Earned Value Analysis
Financial Data as of 12/09/2022

Proj #	Project Name	Project Manager	Concept Design	Detail Design	Construction	BAC	PV	EV	AC	SV	CV	ETC	EAC	VAC	SPI	CPI	TCPI
702	North Mainland Sewer Improvements (NMSI)	Kline	JWSC	T&H	(multiple)	\$ 14,900,000.00	\$ 14,900,000.00	\$ 14,886,372.73	\$ 13,433,351.03	\$ (13,627.27)	\$ 1,453,021.70	\$ 12,297.15	\$ 13,445,648.18	\$ 1,454,351.82	1.00	1.11	0.01
801	FEMA Hazard Mitigation-Academy Creek	Burroughs	Haggerty	TBD	TBD	\$ 3,188,000.00	\$ 3,188,000.00	\$ 871,121.00	\$ 237,779.54	\$ (1,212,968.49)	\$ 633,341.46	\$ 632,410.91	\$ 870,190.45	\$ 2,317,809.55	0.27	3.66	0.79
906	Water Pollution Rehab-Academy & Dunbar	Burroughs	JWSC	GMC	Ruby-Collins, LLC	\$ 11,641,306.00	\$ 11,320,150.00	\$ 11,213,362.60	\$ 11,931,956.14	\$ (106,787.40)	\$ (718,593.54)	\$ 455,367.59	\$ 12,387,323.72	\$ (746,017.72)	0.99	0.94	-1.47
2001	PS 4105 Basin Expansion	Vo	JWSC	Roberts Civil Engineering	TBD	\$ 2,735,000.00	\$ 2,735,000.00	\$ 1,005,133.69	\$ 1,116,996.74	\$ (1,729,866.31)	\$ (111,863.05)	\$ 1,922,386.09	\$ 3,039,382.83	\$ (304,382.83)	0.37	0.90	1.07
2009	Sea Palms East Water Line Rehab	Simmons	JWSC	N/A	TBD	\$ 178,595.00	\$ 178,595.00	\$ 29,468.18	\$ 34,646.15	\$ (149,126.83)	\$ (5,177.98)	\$ 175,330.52	\$ 209,976.67	\$ (31,381.67)	0.17	0.85	1.04
2014	PS 2002 FM Replacement	Burroughs	JWSC	TR Long	TBD	\$ 500,000.00	\$ 500,000.00	\$ 393,363.80	\$ 148,694.24	\$ (106,636.20)	\$ 244,669.56	\$ 40,309.22	\$ 189,003.46	\$ 310,996.54	0.79	2.65	0.30
2016	Arco Water and Sewer Expansion	Patel	JWSC	T&H	UWS	\$ 3,800,000.00	\$ 3,800,000.00	\$ 1,730,575.00	\$ 1,110,156.26	\$ (2,069,425.00)	\$ 620,418.74	\$ 1,327,527.05	\$ 2,437,683.31	\$ 1,362,316.69	0.46	1.56	0.77
2018	Meter Replacements	Roberts	JWSC	N/A	Delta Municipal Supply	\$ 18,450,000.00	\$ 7,318,082.19	\$ 10,809,033.33	\$ 14,572,674.30	\$ 3,490,951.14	\$ (3,763,640.97)	\$ 10,301,505.71	\$ 24,874,180.01	\$ (6,424,180.01)	1.48	0.74	1.97
2020	Community Rd Area Water and Sewer Expansion	Patel	JWSC	HGB	TBD	\$ 250,000.00	\$ 250,000.00	\$ 150,750.00	\$ 245,377.00	\$ (13,690.48)	\$ (94,627.00)	\$ 161,550.03	\$ 406,927.03	\$ (156,927.03)	0.60	0.61	21.47
2021	Galvanized Replacements	Simmons	JWSC	N/A	JWSC	\$ 750,000.00	\$ 609,890.11	\$ 200,552.40	\$ 244,476.30	\$ (409,337.71)	\$ (43,923.90)	\$ 669,784.64	\$ 914,260.94	\$ (164,260.94)	0.33	0.82	1.09
2102	Canal Road WPF	Vo	T&H	T&H	TBD	\$ 1,850,000.00	\$ 560,483.64	\$ 128,593.10	\$ 74,220.00	\$ (431,890.54)	\$ 54,373.10	\$ 993,543.36	\$ 1,067,763.36	\$ 782,236.64	0.23	1.73	0.97
2103	North Mainland Water Loops	Vo	4Waters	4Waters	TBD	\$ 1,250,000.00	\$ 943,037.04	\$ 141,946.20	\$ 118,300.50	\$ (801,090.84)	\$ 23,645.70	\$ 923,471.84	\$ 1,041,772.34	\$ 208,227.66	0.15	1.20	0.98
2104	PS 4002 Rehab	Kline	Kimley-Horn	Kimley-Horn	TBD	\$ 650,000.00	\$ 80,000.00	\$ 53,064.00	\$ 50,018.10	\$ (26,936.00)	\$ 3,045.90	\$ 562,671.58	\$ 612,689.68	\$ 37,310.32	0.66	1.06	0.99
2105	PS 4044 Rehab	Kline	LEA	LEA	TBD	\$ 550,000.00	\$ 71,750.00	\$ 43,265.25	\$ 35,190.00	\$ (28,484.75)	\$ 8,075.25	\$ 412,155.16	\$ 447,345.16	\$ 102,654.84	0.60	1.23	0.98
2106	Dunbar Creek WPCF Rehab	Burroughs	BRW/HGB	HGB	BRW	\$ 5,588,893.30	\$ 3,184,409.61	\$ 667,975.67	\$ 699,622.02	\$ (2,516,433.95)	\$ (31,646.35)	\$ 5,154,053.53	\$ 5,853,675.55	\$ (264,782.25)	0.21	0.95	1.01
2108	PS 4001 Rehab	Kline	Kimley-Horn	Kimley-Horn	TBD	\$ 400,000.00	\$ 40,000.00	\$ 26,532.00	\$ 25,009.05	\$ (13,468.00)	\$ 1,522.95	\$ 352,030.75	\$ 377,039.80	\$ 22,960.20	0.66	1.06	1.00
2109	Highway 17 North Pump Station	Patel	JWSC	JWSC	TBD	\$ 400,000.00	\$ 400,000.00	\$ 10,000.00	\$ 27,604.83	\$ (390,000.00)	\$ (17,604.83)	\$ 1,076,588.37	\$ 1,104,193.20	\$ (704,193.20)	0.03	0.36	1.05
2110	PS 3101 Rehab	Kline	Kimley-Horn	Kimley-Horn	TBD	\$ 375,000.00	\$ 40,000.00	\$ 26,532.00	\$ 25,009.05	\$ (13,468.00)	\$ 1,522.95	\$ 328,465.76	\$ 353,474.81	\$ 21,525.19	0.66	1.06	1.00
2208	JWSC Facilities Improvements	Crobsy	JWSC	N/A	Multiple	\$ 450,000.00	\$ 57,197.80	\$ 66,000.00	\$ 39,957.00	\$ 8,802.20	\$ 26,043.00	\$ 232,477.09	\$ 272,434.09	\$ 177,565.91	1.15	1.65	0.94
TOTALS						\$ 67,906,794.30	\$ 50,176,595.39	\$ 42,453,640.94	\$ 44,171,038.25	\$ (7,722,954.45)	\$ (1,717,397.30)	\$ 25,733,926.34	\$ 69,904,964.58	\$ (1,998,170.28)	0.85	0.96	1.07

BAC	Budget at Completion	Approved Budget for Project
PV	Planned Vaue	% of Schedule Used x BAC
EV	Earned Value	% of Work Completed x BAC
AC	Actual Cost	Actual Costs to Date
SV	Schedule Variance	EV - PV
CV	Cost Variance	EV - AC
ETC	Estimate to Complete	(BAC - EV) / CPI
EAC	Estimate at Completion	AC + ETC
VAC	Variance at Completion	BAC - EAC
SPI	Schedule Performance Index	EV / PV
CPI	Cost Performance Index	EV / AC
		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
		Greater than 1.0 means ahead of schedule
		Greater than 1.0 means costs are ahead of schedule