



Brunswick-Glynn County Joint Water and Sewer Commission
1703 Gloucester Street, Brunswick GA 31520
Wednesday, March 16, 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 February 16, 2022 Facilities Committee Meeting (subject to any necessary changes) [REPORT](#)**
- 2. Dedication of Private Infrastructure w/ Easements - Glynn County Animal Control – T. Kline [REPORT](#)**
- 3. Community Road Sewer Project - Engineering Proposal – T. Kline [REPORT](#)**

DISCUSSION

- 1. Presentation – DRAFT of 2023 Capital Projects Plan – A. Burroughs [REPORT](#)**
- 2. WPCF Plant Flows Report – A. Burroughs [REPORT](#)**
- 3. Capital Project Report – T. Kline / A. Burroughs [REPORT](#)**
 - **Capital Project Report Photos**
 - **Capital Project Spreadsheet**
 - **Capital Project Gantt Chart**
 - **EVA Report**

MEETING ADJOURNED

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



Brunswick-Glynn Joint Water & Sewer Commission
1703 Gloucester Street, Brunswick, GA 31520
Commission Meeting Room
Wednesday, March 16, 2022 at 1:00 PM

FACILITIES COMMITTEE MINUTES

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

ALSO PRESENT: **Wayne Neal, Commissioner**
 Todd Kline, Director of Engineering
 Charles A. Dorminy, Legal Counsel
 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 February 16, 2022

Commissioner Cook made a motion seconded by Chairman Turnipseed to approve the minutes from the Facilities Committee Meeting held on February 16, 2022. Motion carried 2-0-1. (Commissioner Duncan was not present for the vote.)

2. Dedication of Private Infrastructure w/ Easements – Glynn County Animal Control – T. Kline

Mr. Kline advised the committee that the Glynn County Board of Commissioners is the owner/developer of a 15,000+ square foot Animal Control facility located at 190 Carl Alexander Way in Brunswick, Georgia. The Glynn County Commission wishes to dedicate and convey the Water System measuring approximately 238 linear feet with an estimated value of \$21,505 and the Water Utility Easement. This dedication involves only the water system infrastructure. The sewer system was already installed and required connection only. Chairman Turnipseed questioned if JWSC should request the sewer easements for permanent ownership, and Mr. Dorminy responded we should. He also recommended that JWSC accept what is being presented now, and recognize the Blanket Easement Agreement on what was previously existing with no expectations of issues. Chairman Turnipseed commented that JWSC needs to ensure that no issues will be had in the future. Commissioner Cook inquired if Glynn County owns all of the property in that location, and Mr. Kline confirmed that the County does own the property. Mr.

Dorminy provided that there should be no issues with the County. A survey will be requested. Commissioner Duncan commented that JWSC should pursue all separate easements.

Commissioner Cook made a motion seconded by Commissioner Duncan to move that the Facilities Committee forward the above described dedication and easement documents to the full Commission for approval and acceptance. Motion carried 3-0-0.

3. Community Road Sewer Project – Engineering Proposal – T. Kline

Mr. Kline presented the request for Change Order #1 to Capital Project #2020 – Community Road Engineering Services Water & Sewer Extension Project Professional Services Contract. This change order will provide for additional survey/design cost of \$111,800.00 and a time extension of 283 days to the original contract. The additional design cost and time extension are necessary to incorporate PS4011 and gravity sewer routing improvements. This would modify the originally designed route of gravity sewer extensions from the Community Road right-of-way to Habersham Street and include necessary upgrades to the existing pump station 4011 such as deepening the force main. Sewer would then be available to unserved sewer areas off Community Road that are currently on septic systems. Chairman Turnipseed inquired as the areas PS4011 will serve. Commissioner Neal questioned the revenues from this area’s population and noted that they may not be enough to payback the investment in the extension of sewer. The committee further discussed the effects and costs to go with a lower pressure step-system with a holding tank and draining off of grey water as compared to the gravity sewer extensions with higher pressure. It was noted that with the step-system, this low pressure system requires more maintenance and more jetting out of the lines. After discussion, the committee took a vote.

Commissioner Cook made a motion seconded by Commissioner Duncan to move that the Brunswick-Glynn Joint Water & Sewer Commission Facilities Committee forward the above-described Change Order #1 to the full Commission for approval. Motion carried 0-3-0. The committee unanimously voted “NO”.

DISCUSSION

1. Presentation – DRAFT of FY 2023 Capital Projects Plan – A. Burroughs

Mr. Burroughs presented the Facilities Committee with the draft of the Fiscal Year 2023 Capital Projects Plan. The projects were listed and discussed in prioritized order with each including a full description, the total project cost, funding source, engineering and labor types. The fourteen projects are listed on the draft in the order noted below.

1. GEFA Loan Debt Service
2. Academy Creek RAS Replacements
3. Water Production SCADA
4. PS4105 Force Main Reroute
5. Mall EST & Oglethorpe EST Rehab
6. PS2056 Pump & Force Main Improvements
7. PS2033/2034 Rehab
8. PS3114 Force Main Reroute
9. North Mainland WPCF Land Acquisition & Engineering
10. Ocean Boulevard Water Improvements
11. Wesley Oaks Circle Water Main Improvements
12. Brunswick Villa Area Sewer Extensions
13. Galvanized Replacements
14. JWSC Facilities Improvements

Mr. Burroughs requested the Commissioners provide any feedback on the draft of FY2023 projects. He also noted that this plan is scheduled to be approved in April when the FY2023 Budget is approved.

2. WPCF Plant Flows Report – A. Burroughs

Mr. Burroughs reviewed the Wastewater Flow Reports with the Commissioners. This report contains data regarding the influent and effluent flows, concentration of elements and chemicals, plant capacity, etc. For the month of February 2022 the influent flow at Academy Creek was at 5.8 and the effluent flow was 5.6, with the plant operating at 41% of its capacity. The influent flow at Dunbar Creek was at 2.4 and the effluent flow was 2.8, with the plant operating at 70% capacity. The influent flow at South Port was at 0.328 and the effluent flow was at 0.397, with the plant operating at 26% capacity. JWSC's wastewater treatment plants are operating very well and are within permit limits.

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

Mr. Kline and Mr. Burroughs presented an update on the Project Report for projects currently in process. 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 also 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.

EXECUTIVE SESSION - Property

Commissioner Duncan made a motion seconded by Commissioner Cook to adjourn into Executive Session to discuss Property. Motion carried 3-0-0.

Return to Regular Session

Commissioner Duncan made a motion seconded by Commissioner Cook to return to regular session. Motion carried 3-0-0.

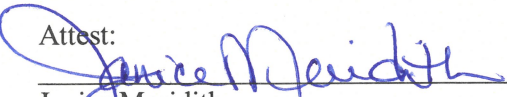
Commissioner Duncan made a motion seconded by Commissioner Cook to adjourn the Facilities Committee Meeting. Motion carried 3-0-0.

There being no further Committee business, Chairman Turnipseed adjourned the meeting at 2:49 p.m.



G. Ben Turnipseed, Chairman

Attest:



Janice Meridith,
Executive Commission Admin.



Brunswick-Glynn Joint Water & Sewer Commission
1703 Gloucester Street, Brunswick, GA 31520
Commission Meeting Room
Wednesday, February 16, 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
 Charles A. Dorminy, Legal Counsel
 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 January 19, 2022

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

**2. Contract Award – Engineering Services for PS3101, PS4001, PS4002 Upgrades –
A. Burroughs**

Mr. Burroughs advised the committee that PS3101, PS4001 and PS4002 require upgrades to increase the reliability, replace outdated electrical systems, and improve bypass capability. He added that by combining the design and construction management services under one (1) engineering services contract for the three (3) stations, the JWSC hopes to gain efficiencies in both design and construction administration services. By doing this, the goal is to gain consistency in design, increase effectiveness in project management and reduce the overall costs for all three (3) projects. A three (3) member panel with representation from JWSC Operations, Engineering and the Senior Leadership teams reviewed and scored the six (6) proposals received on January 25, 2022. Kimley-Horn and Associates, Inc., was the highest scoring proposal at 91. After reviewing the proposals, staff recommended moving forward with an award to Kimley-Horn and Associates, Inc., in the amount of \$160,000.00.

The proposal submitted by Kimley-Horn and Associates details plans to provide three (3) concepts for each site for JWSC staff review along with a project schedule and detailed timeline for communication response throughout both the design and construction administration phases of each project. Overall, staff

sees the Kimley-Horn proposal as the best value offered by the proposer pool with a strong mix of qualifications, project approach and pricing. The engineering contract will be 120 days. Mr. Burroughs provided the budgeted amounts for the upgrades to the three stations, and noted that these projects are funded from the R&R.

Commissioner Duncan made a motion seconded by Commissioner Cook to move that the Facilities Committee recommend the full Commission award a contract for Engineering Services to Kimley-Horn and Associates, Inc., in the amount of \$160,000.00 for upgrades needed for Pump Stations 3101, 4001, and 4002. Motion carried 3-0-0.

3. Change Order – PS4116 Final Balancing – T. Kline

Mr. Kline presented Change Order #2 request from Southern Civil, LLC contractor for JWSC Capital Project #2027. He noted that this change order is for the final adjustments on the PS4116 Rehabilitation & Force Main Upgrade Project. The final payment and project closeout details are provided below.

- Notice to Proceed: 06/03/21 (120 days, original contract)
- Contract Amount (Funding): \$498,499.00 (Glynn County)
- CO #1 GA Power Service Pole Relocation, approved 11/05/21: (\$5,805.00)
- CO #2 Pay Item 1-B (Sitework), Final Adjusting: **(\$15,750.00)**
- Date of Substantial Completion: 01/11/22 (222 days, accrued)
 - Proposed deduction for quantities not used: **(\$15,750.00)**
 - Adjusted final contract amount: \$488,554.00
 - Days over approved contract time; delay/weather days requested: 91 days; 90 days
 - Retainage held to date: \$24,924.95
 - Pay Application #7 (Final), including retainage: \$33,674.95

Mr. Kline commented that this change order shall constitute the full and final settlement of this contract for Capital Project #2027. Additionally noted was that the deduct amount of \$15,750.00 is due to the contractor not using bypass pumping which was included in the original contract.

Commissioner Cook made a motion seconded by Commissioner Duncan to move that the Brunswick-Glynn Joint Water & Sewer Commission Facilities Committee forward the above described Change Order #2 to the full Commission for approval. Motion carried 3-0-0.

4. Change Order – Bergen Woods Offsite Final Balancing – T. Kline

Mr. Kline presented Change Order #1 request from Georgia Asphalt Producers, Inc. contractor for JWSC Capital Project #2007. He noted that this change order is for the final adjustments on the Bergen Woods Off-Site Improvements Project. The final payment and project closeout details are provided below.

- Notice to Proceed: 08/05/21 (60 days, original contract)
- Contract Amount (Funding): \$282,151.00 (CIF's)
- CO #1 Final Adjusting: **(\$24,911.00)**
- Date of Substantial Completion: 12/14/21 (70 days, accrued)
 - Proposed deduction for quantities not used: **(\$24,911.00)**
 - Adjusted final contract amount: \$257,240.00
 - Days over approved contract time; delay/weather days requested: 10 days; 10 days
 - Retainage held to date: \$25,724.00
 - Pay Application #4 (Final), including retainage: \$25,724.00

Mr. Kline commented that this change order shall constitute the full and final settlement of this contract for Capital Project #2007. When asked, Mr. Burroughs noted that this is the force main to the safety complex. The committee commented that this is a good process to follow for closing projects.

Commissioner Duncan made a motion seconded by Commissioner Cook to move that the Brunswick-Glynn Joint Water & Sewer Commission Facilities Committee forward the above described Change Order #1 to the full Commission for approval. Motion carried 3-0-0.

5. Infrastructure Dedication – Oyster Grove – T. Kline

Mr. Kline stated that the Developer of a new 23-lot single-family subdivision located at the end of Redfern and Ledbetter Drive on St. Simons Island wishes to dedicate and convey the following to JWSC:

- Water system measuring approximately 1,508 linear feet with an estimated value of \$95,000
- Sanitary Sewer system measuring approximately 1,479 feet with an estimated value of \$150,000
- Wastewater Pump Station with design capacity of 97 gallons per minute and estimated value of \$70,000, and described in the attached Warranty Deed
- Four (4) Utility Easements as described in the attached Water and Sewer Utility Easement and companion Final Plat

Mr. Kline also provided that the Owner of Record of the infrastructure described within, aka ETS Family Limited Partnership, aka Stroud Family LP, has submitted legal documents to define and execute the transfer of ownership, and conveyance of the easements for access and maintenance. The infrastructure is understood to have complied with applicable standards at the time of construction. JWSC inspection records indicate the infrastructure is functioning and in acceptable condition. All requirements of the JWSC Standards for Water & Sewer Design and Construction and Development Procedures have been met, and all related documents submitted. Staff recommends the acceptance of the described water and sewer infrastructure and easements for JWSC ownership, operation, and maintenance.

Commissioner Duncan made a motion seconded by Commissioner Cook to move that the Facilities Committee forward the above described dedication and easement documents to the full Commission for approval and acceptance. Motion carried 3-0-0.

6. Intergovernmental Lease Agreement w/ Glynn County – Former Animal Control Facility – L. Roberts / C. Dorminy

Mrs. Roberts and Mr. Dorminy presented the committee with the request that the Facilities Committee forward the Intergovernmental Agreement with Glynn County for the lease of the former Animal Control Facility to the full Commission for approval. The County has agreed to Lease the former facility (located at 4765 Highway 17 North) to the JWSC for the cost of utilities. The JWSC intends to use the facility to serve as a center of operations for the ongoing system-wide meter replacement project. The facility will serve as both an administrative office and as storage for the project. The JWSC anticipates this project will require about two years for completion.

Commissioner Cook made a motion seconded by Commissioner Duncan to move that the Brunswick-Glynn Joint Water and Sewer Commission Facilities Committee forward to the full Commission the Intergovernmental Agreement with Glynn County for the lease of the former Animal Control Facility, with a recommendation to approve the same. Motion carried 3-0-0.

DISCUSSION

1. WPCF Plant Flows Report – A. Burroughs

Mr. Burroughs reviewed the Wastewater Flow Reports with the Commissioners. This report contains data regarding the influent and effluent flows, concentration of elements and chemicals, plant capacity, etc. For the month of January 2022 the influent flow at Academy Creek was at 5.9 and the effluent flow was also 5.9, with the plant operating at 43% of its capacity. The influent flow at Dunbar Creek was at 2.5 and the effluent flow was 2.9, with the plant operating at 73% capacity. The influent flow at South

Port was at 0.323 and the effluent flow was at 0.373, with the plant operating at 25% capacity. JWSC's wastewater treatment plants are operating very well and are within permit limits.

2. Capitol Project Report – T. Kline / A. Burroughs

Mr. Kline and Mr. Burroughs presented an update on the Project Report for projects currently in process. 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 also 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 Committee business, Chairman Turnipseed adjourned the meeting at 2:10 p.m.

G. Ben Turnipseed, Chairman

Attest:

Janice Meridith,
Executive Commission Admin.



Brunswick-Glynn

Joint Water and Sewer Commission

Memorandum

To: Facilities Committee
From: Todd Kline, P.E., Director of Engineering
Date: Wednesday, March 16, 2022
Re: Dedication of Private Infrastructure w/ Easements – Glynn County Animal Control

Background

The Brunswick-Glynn Joint Water & Sewer Commission (JWSC) Standards for Water & Sewer Design and Development Procedures support the acceptance of privately constructed water and wastewater systems as public infrastructure, when specified conditions are met. The Glynn County Board of Commissioners is the owner/developer of a 15,000+ square foot Animal Control facility located at 190 Carl Alexander Way in Brunswick, Georgia, and wishes to dedicate and convey the following to JWSC:

- Water system measuring approximately 238 linear feet with an estimated value of \$21,505
- Water Utility Easement

Staff Report

The Owner of Record of the infrastructure described within has submitted legal documents to define and execute the transfer of ownership, and conveyance of the easements for access and maintenance. The infrastructure is understood to have complied with applicable standards at the time of construction. JWSC inspection records indicate the infrastructure is functioning and in acceptable condition.

Recommended Action

All requirements of the JWSC Standards for Water & Sewer Design and Construction and Development Procedures have been met, and all related documents submitted. Staff recommends the acceptance of the described water and sewer infrastructure and easements for JWSC ownership, operation, and maintenance.

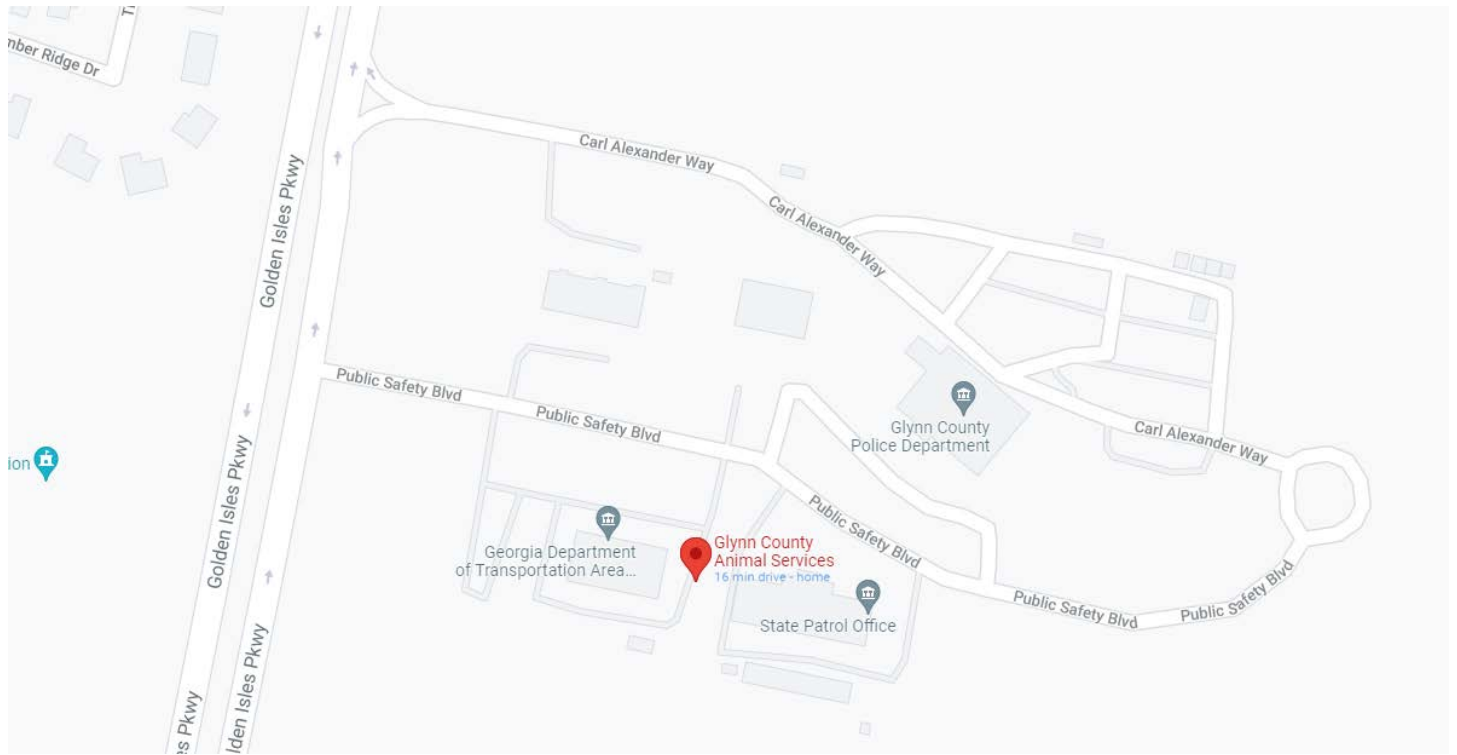
Recommended Motion

“I make a motion that the Facilities Committee forward the above described dedication and easement documents to the full Commission for approval and acceptance”.

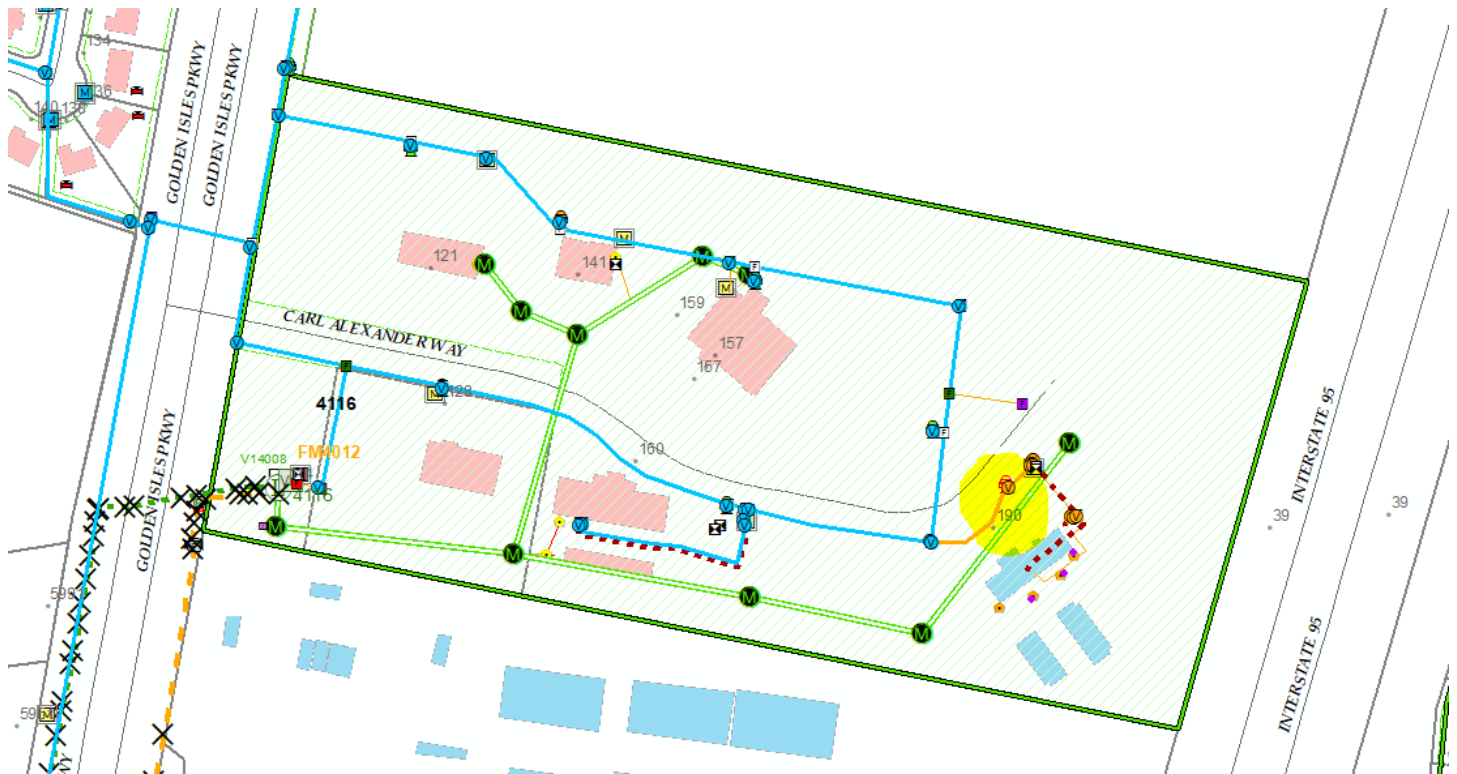
Enclosures

Final Record Drawings
Infrastructure Dedication Application – Requires BOC Chairman Signature
Water Utility Easement – Requires BOC Chairman Signature

GLYNN COUNTY ANIMAL CONTROL

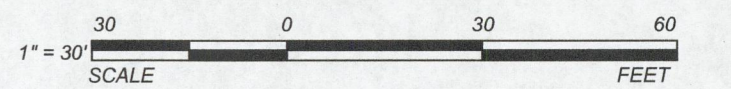


GLYNN COUNTY ANIMAL CONTROL GIS MAP – TO BE UPDATED FOLLOWING BOC ACCEPTANCE



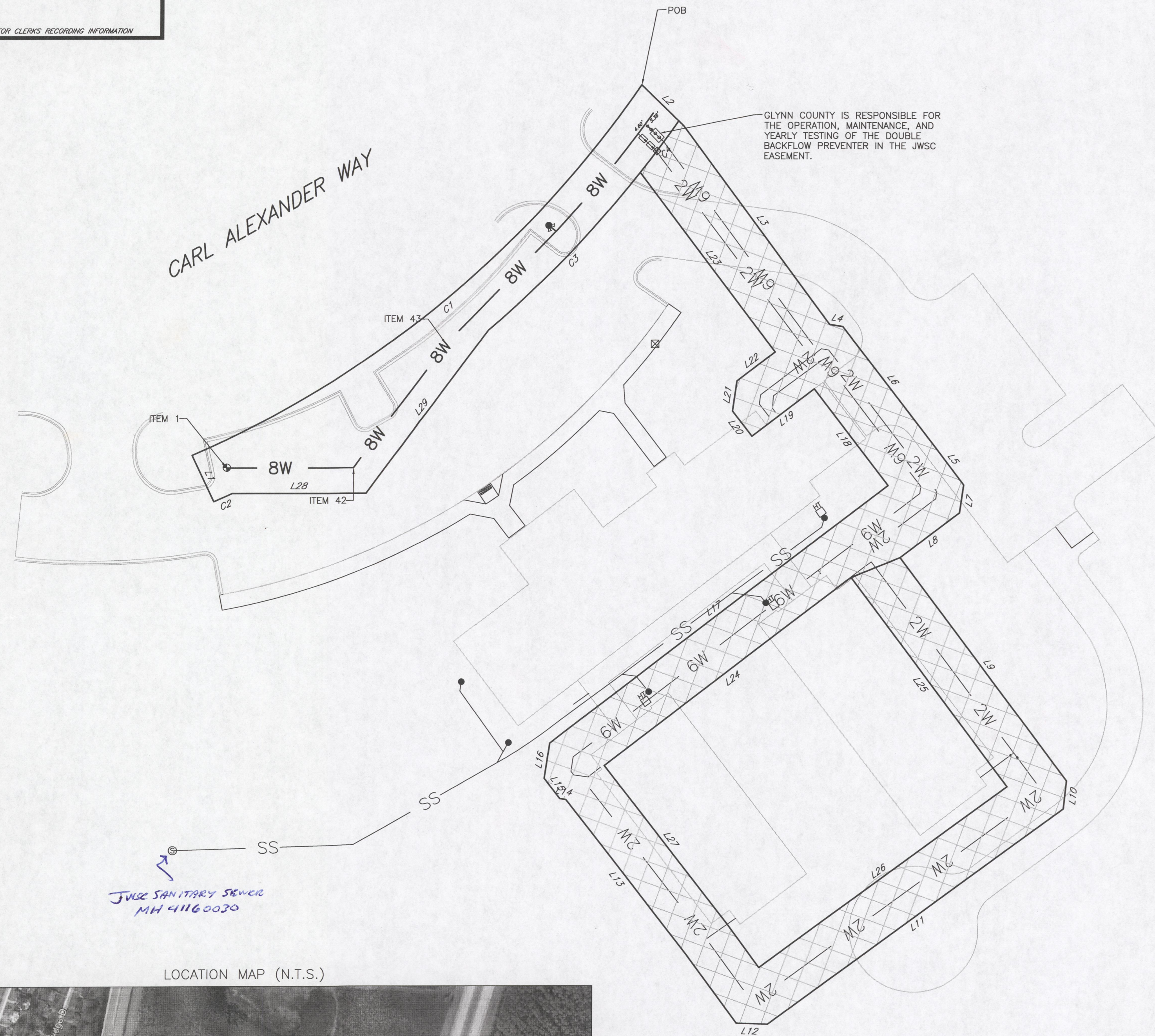
BRUNSWICK-GLYNN COUNTY JOINT WATER AND SEWER RECORD DRAWINGS
GLYNN COUNTY ANIMAL SHELTER

LOCATED IN 1356 GMD
 GLYNN COUNTY, GEORGIA
 SCALE: 1"=30'
 DATE: 10/27/21
 REVISED: 11/15/21 (LINE 2 TYPO)
 PAGE 3 OF 3 (PUBLIC WATER EASEMENT)
 (PUBLIC & PRIVATE WATER SYSTEM)



RESERVE FOR CLIENTS RECORDING INFORMATION

GLYNN COUNTY IS RESPONSIBLE FOR THE OPERATION, MAINTENANCE, AND YEARLY TESTING OF THE DOUBLE BACKFLOW PREVENTER IN THE JWSC EASEMENT.



JWC SANITARY SEWER
 MH 4116 0030

LOCATION MAP (N.T.S.)

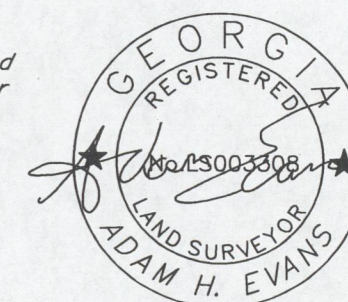


LINE	BEARING	DISTANCE
L1	N 25°00'06" W	20.01'
L2	S 45°45'59" E	20.29'
L3	S 36°24'40" E	98.81'
L4	S 61°01'59" E	3.19'
L5	S 37°10'27" E	20.89'
L6	S 37°29'12" E	57.28'
L7	S 08°59'57" W	11.08'
L8	S 52°46'52" W	26.95'
L9	S 36°43'24" E	109.26'
L10	S 06°23'18" W	11.11'
L11	S 53°39'09" W	143.11'
L12	N 88°20'08" W	12.25'
L13	N 37°51'39" W	77.05'
L14	N 81°42'44" W	2.30'
L15	N 37°24'53" W	10.08'
L16	N 08°23'54" E	14.02'
L17	N 52°35'02" E	166.48'
L18	N 37°24'53" W	47.68'
L19	S 52°55'02" W	30.85'
L20	N 37°46'03" W	12.47'
L21	N 08°05'05" E	11.85'
L22	N 52°35'35" E	18.84'
L23	N 37°04'19" W	88.21'
L24	N 52°35'02" E	121.55'
L25	S 36°43'24" E	102.40'
L26	S 53°39'09" W	120.19'
L27	N 37°51'39" W	78.75'
L28	N 90°00'00" E	52.33'
L29	N 36°44'00" E	79.86'

CURVE	ARC LENGTH	RADIUS	DELTA ANGLE	CHORD BEARING	CHORD LENGTH
C1	230.80'	412.82'	32°01'57"	N 50°22'12" E	227.80'
C2	7.77'	4.3282'	1°01'44"	N 85°48'28" E	7.77'
C3	85.80'	4.3282'	11°21'22"	N 43°50'12" E	85.66'
C4	25.26'	4.3282'	32°03'56"	N 36°29'10" E	25.25'

SURVEYORS STATEMENT: To the best of my knowledge and belief the water and/or wastewater Record Drawings shown hereon have been prepared in conformance with JWSC Record Drawing Standards and are an accurate representation of the field conditions based upon above ground visible evidence of system components, and the engineering, contractor and JWSC information provided.

Surveyor's Name (printed): Adam Evans
 Surveyors GA Registered Land Surveyor Number #3308
 Date Signed: 11/15/21



CONTRACTORS STATEMENT: The water and/or wastewater piping systems, as shown on the Record Drawings, have been constructed in substantial compliance with the standards and specifications for this project and in consideration of the two (2) year workmanship and materials warranty. Any significant deviations from the materials specified or workmanship standards required have been approved by the engineer and the JWSC prior to installation. The information has been reviewed by a principal of the company or an executive officer, as cited below, and to the best of his/her knowledge and belief these Record drawings are accurate and complete.

Company Name: JW OLIVER CONSTRUCTION, INC
 Principal/Officer Signature (printed): JW OLIVER
 Principal/Officer Signature: JW Oliver
 Date Signed: 11/15/21

ENGINEERS STATEMENT: These Record Drawings have been prepared based on construction, location, elevation, and testing information provided by the Contractor, Surveyor and the JWSC. This information has been reviewed by the engineer of record, as cited below, and to the best of his/her knowledge and belief these Record Drawings are consistent with the design intent of the approved site development plans and any approved modifications or changes.

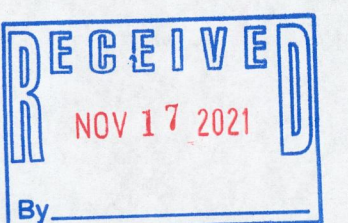
Engineers Name (printed): Johnathan Roberts
 Engineers Signature: Johnathan Roberts
 GA Professional Engineer Registration Number: 034205
 Date Signed: 11/16/2021

JWSC'S STATEMENT: These Record Drawings have been prepared and confirmed based on periodic field observations during the construction, field testing, CCTV and physical inspections of system components by JWSC's Staff. This information has been reviewed by JWSC Superintendents and Construction Inspection Staff, as cited below, and to the best of their knowledge and belief these Record Drawings are accurate and complete in accordance with adopted JWSC Record Drawing Standards and Specifications.

Water Distribution Superintendent Name (printed): Derrick Simmons
 Water Distribution Superintendent Signature: Derrick Simmons
 Date Signed: 12-2-2021
 Wastewater Collection Superintendent Name (Printed): NA
 Wastewater Collection Superintendent Signature: NA
 Date Signed: _____
 Project Inspector Name (Printed): Mike Fieros
 Project Inspector Signature: Mike Fieros
 Date Signed: 11/19/2021

- SS —
- LEGEND
- EXISTING FIRE HYDRANT
 - EXISTING WATER VALVE
 - ⊠ WATER METER (WM)
 - ◇ VALVE BOX
 - ⊞ BACK FLOW PREVENTER
 - 2W — 2" PVC WATER LINE
 - 6W — 6" PVC WATER LINE
 - 8W — 8" PVC WATER LINE

NOTES:
 -THIS SURVEY WAS BASED ON HORIZONTAL DATUM NAD 1983 GEORGIA EAST ZONE AND VERTICE DATUM NAVD 1988
 -THE DEVELOPER FOR THIS PROJECT IS GLYNN COUNTY ANIMAL CONTROL, DAVID AUSTIN DAUSTIN@GLYNNCOUNTY-GA.GOV 4145 NORWICH STREET BRUNSWICK, GA 31520 (912) 554-7701
 -REGISTERED PROFESSIONAL ADAM EVANS STATEWIDE LAND SURVEYORS LLC, 521 ETHEL STREET DOUGLAS, GA 31533 (912) 383-2192 EMAIL: adam.evans@statewide-surveying.com
 -PARCEL ID# 03-15791
 -EMERGENCY 911 ADDRESS CARL ALEXANDER WAY BRUNSWICK, GA 31525





Application for Dedication of Water/Wastewater Systems

Part A: Statement of Intention

Having completed the installation of the water/wastewater system

Sub-division heretofore known as Animal Control Facility

Owner(s) of the system, being Glynn County Board of Commissioners

at 1725 Reynolds St., is dedicated to

utility system(s) for ownership, operation and maintenance to operate such system(s) within this jurisdictional area. This Application is submitted with this intention.

RECORD DRAWING
SHOWS 219.53' HL
ITEM 1 CONNECT VALVE
TO ITEM 31 FLUSH VALVE
AS 219.53'
+ 19' TO MUCH

ded to
ed

Part B: Recognition and Acceptance of Warranties

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

Part C: Confirmation of Compliance of Water/Wastewater Documentation

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

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

The Fair Value (Cost Basis) of the installed **water system**, which is approximately 238 linear feet as constructed, is estimated to be \$ 21,505.

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

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

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



Engineer's Certification

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

Engineer Printed Name: Johnathan Roberts	Georgia P.E. Registration # : 034205
Engineer Signature:	Date (mm/dd/yyyy): 08/20/2021

(INSERT ENGINEER SEAL)



Part E: Owner/Developer Certification

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

Printed Name of Grantor (Company, LLC, Inc.): Glynn County Board of Commisioners	
Printed Name of Grantor Representative: Wayne Neal	
Title of Grantor: Chairman	
Signature of Grantor:	Date Signed(mm/dd/yyyy): 9/7/21

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

Printed Name of Attestor: Ronda Vakulich	
Title of Attestor: Acting County Clerk	
Signature of Attestor:	Date Signed (mm/dd/yyyy): 09/07/21

(CORPORATE SEAL HERE)

All Applications must be Notarized

Date signed, sealed and delivered (mm/dd/yyyy): 09/07/21
In the presence of (printed Name of Notary): ANGELIKA ANN HILTON
Signature of Notary Public:
Date Notary Commission Expires (mm/dd/yyyy): 02/01/2022

ACCEPTED BY BRUNSWICK GLYNN JOINT WATER & SEWER COMMISSION

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

(Above the Line Reserved for Clerk Recording Data)

Return to:
Brunswick-Glynn County
Joint Water and Sewer Commission
Attn: Executive Director
1703 Gloucester Street
Brunswick, GA 31520

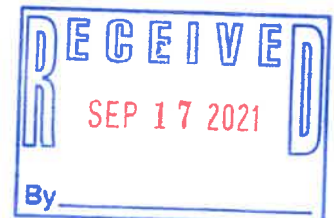
**STATE OF GEORGIA
COUNTY OF GLYNN**

WATER UTILITIES EASEMENT

THIS WATER UTILITIES EASEMENT grant and dedication, made and entered into this 8 day of August 2021, by and between Glynn County Board of Commissioners, (hereinafter referred to as the "Grantor") and the **BRUNSWICK-GLYNN COUNTY JOINT WATER AND SEWER COMMISSION**, a body corporate and politic and a public corporation, established by a Local Act of the General Assembly of the State of Georgia, acting by and through its Commissioners (hereinafter referred to as the "Grantee").

WITNESSETH:

For and in consideration of the premises, and other good and valuable consideration, the receipt and sufficiency of which is hereby acknowledged, the Grantor does hereby grant and convey unto said Grantee, its successors and assigns, a perpetual easement and right to construct, reconstruct, install, locate, relocate, maintain, repair, replace and use water lines,



valves, such other lines Grantee deems necessary for water, and related equipment and facilities over, across and through a portion of the Grantor's Property (the "Easement Area"), described as follows:

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

1. Grant of Easement for Utilities:

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

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

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

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

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

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


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

4. Encumbrances: Grantor herein by these presents warrants there are no liens, mortgages, or other encumbrances to a clear title to the Easement Area, except as follows:

_____ which is recorded in the office of the Superior Court real property records of Glynn County in Book _____ at Page _____ and that Grantor is legally qualified and entitled to grant the easement herein with respect to the lands described.

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

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

Printed Name of Grantor: Glynn County Board of Commissioners		
Printed Name of Grantor Representative: Wayne Neal		
Title of Grantor: Chairman	County Clerk <i>Lynda V. Rudek</i>	
Signature of Grantor: <i>W. Neal</i>	Date Signed: <i>8/7/21</i>	

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

Printed Name of Unofficial Witness: Monica Hardin
Signature of Unofficial Witness: <i>Monica Hardin</i>
Signed, sealed and delivered on this <u>8th</u> day of <u>August</u> , 20 <u>21</u> and in the presence of:
Signature of Notary Public: <i>Angelika Ann Hilton</i> Notary Public
My Commission Expires: <u>02/01/2022</u>

STAMP NOTARIAL SEAL

Glynn Co., Georgia
Expires Feb 1, 2022

Acceptance by Brunswick Glynn County Joint Water & Sewer

Printed Name of Chairman:	
Chairman Signature	Date Signed:
Attest – Printed Name of Commission Clerk:	
Commission Clerk Signature	Date Signed:

Beginning at a point bearing the NAD 83 Georgia East zone coordinates of N:459049.24 E:865432.18 ;

thence S 45°45'59" E a distance of 20.29'to a point;

thence with a curve turning to the right with an arc length of 25.26', with a radius of 432.82', with a chord bearing of S 36°29'10" W, with a chord length of 25.25',to a point;

thence with a compound curve turning to the right with an arc length of 85.80', with a radius of 432.82', with a chord bearing of S 43°50'12" W, with a chord length of 85.66',to a point;

thence S 36°44'00" W a distance of 79.86'to a point;

thence N 90°00'00" W a distance of 52.33'to a point;

thence with a curve turning to the right with an arc length of 7.77', with a radius of 432.82', with a chord bearing of S 65°48'28" W, with a chord length of 7.77',to a point;

thence N 25°00'06" W a distance of 20.01'to a point;

thence with a curve turning to the left with an arc length of 230.80', with a radius of 412.82', with a chord bearing of N 50°22'12" E, with a chord length of 227.80',to a point;

which is the point of beginning,

having an area of 6038.2 square feet, 0.139 acres



Brunswick-Glynn

Joint Water and Sewer Commission

Memorandum

To: Facilities Committee
From: Todd Kline, P.E., Director of Engineering
Date: 16 March 2022
Re: Capital Project #2020 – Community Road Engineering Services Water & Sewer Extension Project; C.O. #1 (Professional Services Contract Amendment)

Overview

- Who: Hussey Gay Bell (Engineer of Record)
- What:
 - Notice to Proceed: 09/10/21 (210 days, original contract)
 - Contract Amount (Funding): \$280,916.00 (CIF)
 - Request for Time Extension: 283 days
 - Request for Addition Funding Amount : \$111,800.00
- Why: Additional survey/design cost and time required to incorporate PS4011 and gravity sewer routing improvements.

Staff Report

JWSC staff received change order documentation dated 10 March 2022, which includes a project Change Order #1 (Professional Services Contract Amendment) for additional funding of \$111,800.00 and a time extension of 283 days. This would modify the originally designed route of gravity sewer extensions from the Community Road right-of-way to Habersham Street and include necessary upgrades to the existing pumpstation 4011. This would eliminate excessive easement acquisitions and also reduce construction and permanent operational disruptions to the existing businesses and traffic along Community Road.

Recommended Action

Staff has reviewed the request from Hussey Gay Bell and recommends approval to add funding in the amount of \$111,800.00 and a time extension of 283 days to the engineering contract.

Recommended Motion

I move that the Brunswick-Glynn Joint Water & Sewer Commission Facilities Committee forward the above-described Change Order #1, to the full Commission for approval.

Attachments:

- 1) Professional Services Contract Amendment No. 1 (dated 03/10/2022).



March 10, 2022

Mr. W. Todd Kline, P.E.
Director of Engineering
Planning & Construction Division
Brunswick-Glynn County Joint Water & Sewer Commission
1703 Gloucester Street
Brunswick, GA 31520

**Re: Community Road Area Water and Sewer Extensions Project No. 2020
Professional Services Contract Amendment No. 1**

Dear Mr. Kline:

Hussey Gay Bell is pleased to present the following contract amendment to the Community Road Area Water and Sewer Extensions Project No. 2020. This amendment is required to modify the proposed route of water and sewer from Community Road to Habersham Street and upgrades to Lift Station 4011 to accept the sewer at a lower invert. The intent is to reduce the disruption to existing businesses and traffic along Community Road by relocating the proposed sewer to Habersham Street which has less development density. The sewer route is longer and cannot be received by Lift Station 4011. A deeper wetwell at Lift Station 4011 will allow the proposed sewer to reach the lift station. Additional upgrades to Lift Station 4011 will be evaluated.

Our proposed modification to the fee structure of Article 2 - C2.01.A.4 of the Professional Services Agreement is as follows:

1. Preliminary Engineering Report (PER) Modification #1

The PER will be revised based on the new water and sewer alignment. An exhibit showing the proposed water and sewer alignment will be provided as part of the PER. The PER will also include a proposed scope of upgrades to Lift Station 4011.

Proposed Adjustment for PER Modification #1 = \$10,600.00.

2. Field Surveying Services Modification #2

Additional survey and subsurface utilities exploration (SUE) will be required along approximately 2,700 LF of Habersham Street.

Proposed Adjustment for additional Field Surveying = \$13,500.00.
Proposed Adjustment for additional SUE, Levels A&B = \$10,000.00.

3. Easement Preparation Services - No change.

4. Construction Plans and Specifications

Construction Plans and Specifications will be provided based on the new water and sewer alignment and lift station modifications.

Proposed Adjustment for Construction Plans and Specifications = \$45,100.00
-Proposed Adjustment if 60% Design Submittal is Omitted = \$38,500.00 (Alternate)

There was no Item 5 included in the Agreement.

6. Permitting Services

Permit packages will be provided based on the new Construction Plans and Specifications.

Proposed Adjustment for Permitting Services = \$11,600.00

7. **Bid Phase Services** - No change.

8. Construction Phase Services

The addition of a new wetwell and upgrades to Lift Station 4011 will require additional construction observation and construction administration time. Additional shop drawings, RFI's, pay requests and site visits are expected.

Proposed Adjustment for Observation Lump Sum Fee = \$8,800.00
Proposed Adjustment for Administration Lump Sum Fee = \$18,800.00

9. **Record Drawings** - No change.

The project schedule from the date of acceptance will be as follows.

Base Proposal (PER/60/90/Bid Ready Submittals)

Preliminary Engineering Report	30 days
JWSC Review and Approval	14 days
Field Surveying Services	30 days
60% Design Drawings, Specifications, and EOPC	45 days
JWSC Review and Approval	14 days
90% Design Drawings, Specifications, and EOPC	45 days
JWSC Review and Approval	14 days
Bid Ready Design Drawings, Specifications, and EOPC	30 days
Permitting Services	60 days
Bid Phase Services	45 days
Construction Phase Services	240 days
Record Drawings	30 days

Alternate Proposal (PER/90/Bid Ready Submittals)

Preliminary Engineering Report	30 days
JWSC Review and Approval	14 days
Field Surveying Services	30 days
90% Design Drawings, Specifications, and EOPC	60 days
JWSC Review and Approval	14 days
Bid Ready Design Drawings, Specifications, and EOPC	30 days
Permitting Services	60 days
Bid Phase Services	45 days
Construction Phase Services	240 days
Record Drawings	30 days

We appreciate the opportunity to present this Amendment to the proposal and will gladly accept a signed copy as our authorization to proceed with this project.

Sincerely,
HUSSEY GAY BELL



C.J. Chance, P.E.
Principal

ACCEPTED BY: _____ DATE: _____

NAME AND TITLE: _____

FY 2023 Capital Projects Plan

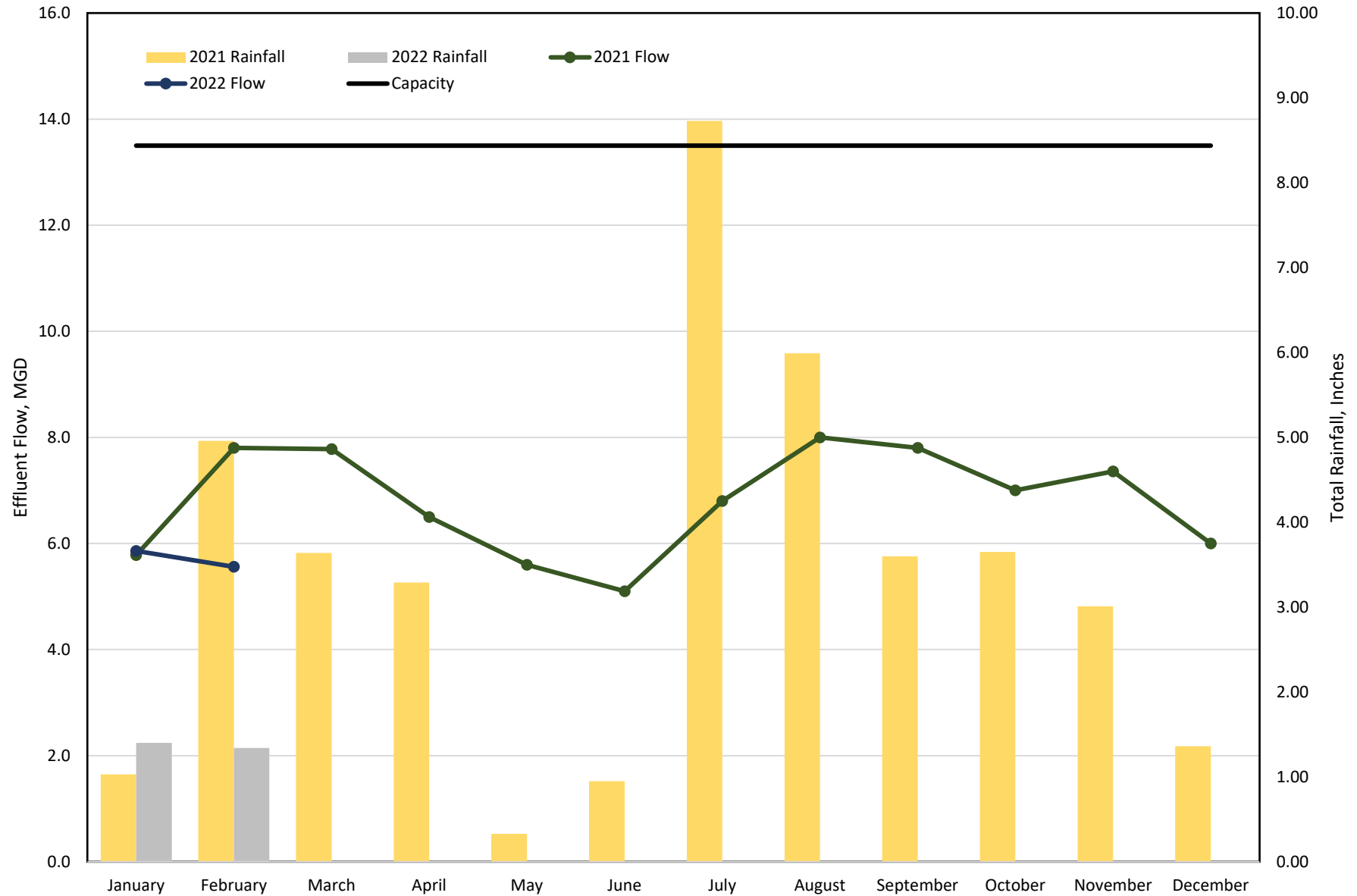
Priority	Project	Total Project Cost	Description	Funding	Requires Outside Engineering	Labor Type	2021
1	GEFA Loan Debt Service	\$ 1,210,000	Debt Service on GEFA Loan for Academy Creek Rehab/CIPP Work and Meters	R&R	X	Contracted	\$ 1,210,000
2	Academy Creek RAS Replacements	\$ 1,500,000	Replace Existing RAS Pumps, Piping, and Electrical with Chopper Style Pumps	R&R	X	Contracted	\$ 1,500,000
3	Water Production SCADA	\$ 450,000	Convert existing water production SCADA to new VTSCADA system	R&R		Contracted	\$ 450,000
4	PS 4105 Force Main Reroute	\$ 1,250,000	Install new force main from PS 4105 to Hwy 341	R&R		Contracted	\$ 1,250,000
5	Mall EST & Oglethorpe EST Rehab	\$ 1,000,000	Paint tanks	R&R		Contracted	\$ 1,000,000
6	PS 2056 Pumps & Force Main Improvements	\$ 700,000	Install new pumps, discharge piping, and parallel force main	R&R		Contracted	\$ 700,000
7	PS2033/2034 Rehab	\$ 1,400,000	Rehab PS 2033 and 2034 Due to Condition	R&R	X	Contracted	\$ 1,400,000
8	PS 3114 Force Main Reroute	\$ 400,000	Separate force main and reroute to head of plant	CIF	X	Contracted	\$ 400,000
9	North Mainland WPCF Land Acquisition & Engineering	\$ 1,650,000	Purchase property and plant design	ARPA	X	Contracted	\$ 1,650,000
10	Ocean Boulevard Water Improvements	\$ 1,750,000	Replace Existing Water main from East Beach to Village	R&R	X	Contracted	\$ 1,750,000
11	Wesley Oaks Circle Water Main Improvements	\$ 450,000	Replace existing 2" galvanized water main loop with 6" and 8" sections	R&R		Contracted	\$ 450,000
12	Brunswick Villa Area Sewer Extensions	\$ 2,750,000	Extend Sewer to Brunswick Villa Area Neighborhoods	CIF	X	Contracted	\$ 2,750,000
13	Galvanized Replacements	\$ 250,000	Annual Allotment to Remove Galvanized Lines	R&R		In-House	\$ 250,000
14	JWSC Facilities Improvements	\$ 450,000	Admin building site improvements, painting, HVAC, Academy and Harrington Warehouse Improvements	R&R		Contracted	\$ 450,000

Funding Source	2022
R&R	\$ 10,410,000
ARPA	\$ 1,650,000
CIF	\$ 3,150,000
TOTAL	\$ 15,210,000

ACADEMY CREEK WWTP	FLOW (MGD)				Influent Concentrations						Effluent Concentrations								Removal Efficiency		Rainfall		Water Meter Monthly MGal	Sludge Tons to Landfill	
	Month	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
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																									
April 2022																									
May 2022																									
June 2022																									
July 2022																									
August 2022																									
September 2022																									
October 2022																									
November 2022																									
December 2022																									
Average	6.7	0.8	6.6	49%	7.5	189.7	241.3	270	19.4	10.88	6.7	106.4	6.5	8.5	10.8	7.7	0.09	8	3.8	96.35%	95.83%	1.55	3.09	7.480	115.17
Max	8.1	1.0	8.0	59%	7.7	194.3	441.0	516	22.9	17.4	6.9	119.7	6.8	15.0	16.0	11.6	0.47	30	8.9	98.19%	98.06%	5.35	8.73	10.609	142.20
Min	5.0	0.6	5.1	38%	7.3	184.0	174.0	159	13.7	6.20	6.5	94.2	5.7	6.0	8.0	4.3	0.01	1	1.7	93.93%	93.87%	0.21	0.33	3.952	85.20
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

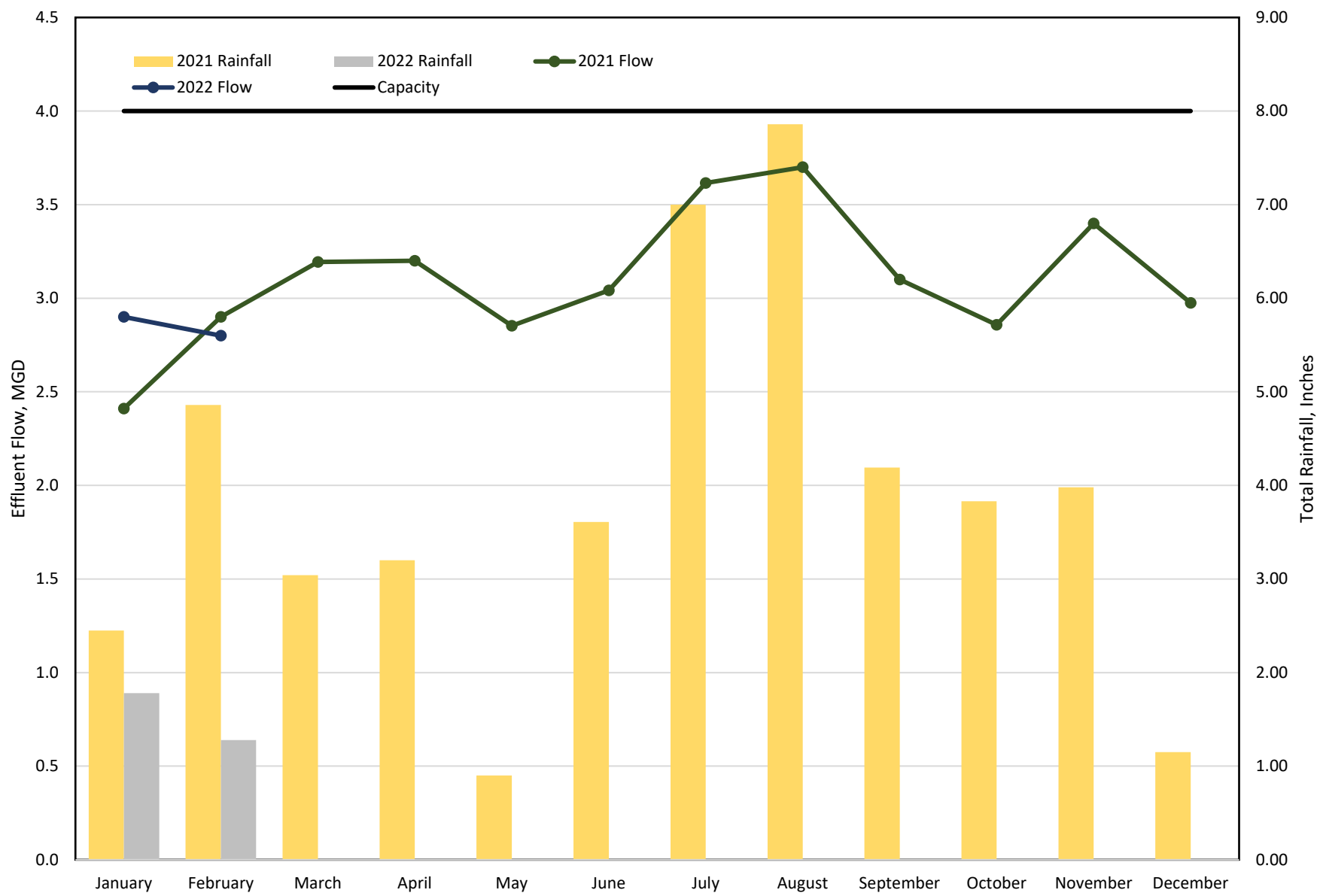
Academy Creek Effluent Flow



DUNBAR CREEK WWTP	FLOW (MGD)			Influent Concentrations						Effluent Concentrations							Removal Efficiency		Rainfall		Water Meter Monthly M/Gal	Sludge Tons to Landfill	
	Month	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
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																							
April 2022																							
May 2022																							
June 2022																							
July 2022																							
August 2022																							
September 2022																							
October 2022																							
November 2022																							
December 2022																							
Average	2.7	3.1	77%	7.1	224.0	185.9	223.9	31.5	4.00	7.0	55.9	7.9	3.2	2.2	0.6	4	2.3	98.21%	99.02%	1.5	3.5	0.623	26.39
Max	3.2	3.7	93%	7.2	253.0	237.0	277.0	53.4	5.05	7.7	63.0	8.6	4.0	3.0	1.0	12	3.3	99.06%	99.60%	4.4	7.9	1.268	44.38
Min	2.3	2.4	60%	6.9	208.0	143.0	167.0	20.8	2.60	6.8	47.7	6.4	2.0	1.0	0.2	1	1.1	97.33%	98.54%	0.3	0.9	0.047	13.23
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

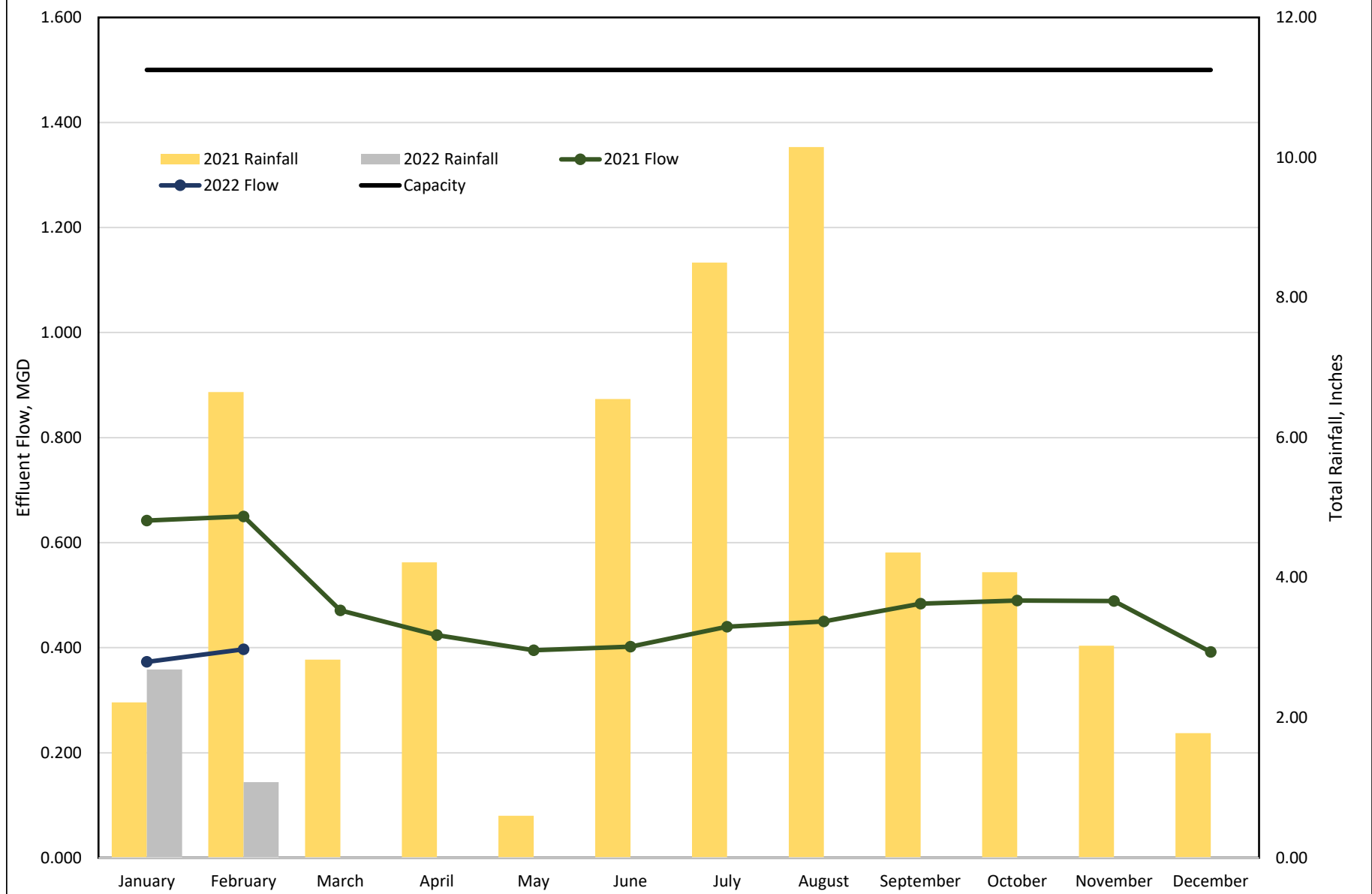
Dunbar Creek Effluent Flow



SOUTH PORT WWTP	FLOW (MGD)			Influent Concentrations						Effluent Concentrations							Removal Efficiency		Rainfall		Water Meter Monthly M/Gal	Sludge Tons to Landfill	
	Month	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
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																							
April 2022																							
May 2022																							
June 2022																							
July 2022																							
August 2022																							
September 2022																							
October 2022																							
November 2022																							
December 2022																							
Average	0.425	0.464	31%	7.0	221.2	141.1	159.3	34.3	3.90	7.5	41.3	7.9	6.0	3.3	0.8	7	1.8	95.45%	97.86%	1.6	4.2	0.161	3.71
Max	0.635	0.650	43%	7.3	226.5	233.0	239.0	53.8	5.10	7.9	46.7	9.9	8.0	4.0	2.3	23	3.1	97.00%	98.73%	4.8	10.2	0.708	11.09
Min	0.293	0.373	25%	6.5	213.0	94.0	98.0	24.3	2.75	7.1	36.1	6.9	5.0	2.0	0.2	1	0.4	92.23%	96.77%	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

South Port Effluent Flow



Facility Construction Project Photos – MARCH 2022

#702 (PHASE II) NMSI PHII PUMPSTATION 4035 & 4036 UPGRADES (99% - MARCH 2022)



1. PS3035 site; minor punchlist items: odor tower blower VFD replacement, final site grooming.
2. PS4036 site; punchlist items: fencing replacement, hand rail, final site grooming.
3. Final adjusting change order submitted by contractor is under review; time extension, additional bypassing, PS4036 concrete demo
4. Kirk Young checking function of odor tower controls.

Facility Construction Project Photos – MARCH 2022

#702 (PHASE III) NMSI PHIII FORCEMAIN RE-ROUTE (71% - JULY 2022)



1. 18" Tee-wye fitting to be installed at Gateway Blvd.; shows interior "Sewer Safe" epoxy lining .
2. Staged materials for last two HDD pulls that will connect the new 18" forcemain on Harry Driggers and Canal Road.
3. 100-ton drilling rig scheduled to arrive April 4th; three forcemain tie-ins remain; paving scheduled to begin March 14th.
4. Ogden Lane stored materials; PVC B&S pipe for open cut, HDPE for HDD segment; tentative start by end of April.
5. Westbound view of Ogden Lane; newly installed privacy fence on property line.

Facility Construction Project Photos – MARCH 2022

#704 CANAL ROAD TO GLYNCO 12-INCH WATER MAIN (95% - TBD)



1. Eastbound view of FLETc contractors' gate at quitting time; Glynn County installed bridge section for future Glynco Parkway widening.
2. Immediate beneficiary of new 12" water main extension/loop. New commercial construction south of MoonDoggy's Pizza plaza; no longer required to extend a temporary water service line.

Facility Construction Project Photos – MARCH 2022

#906 WATER POLLUTION CONTROL REHAB- ACADEMY CREEK WPCF (73% - MARCH 2022)



Facility Construction Project Photos – MARCH 2022



Facility Construction Project Photos – MARCH 2022



Facility Construction Project Photos – MARCH 2022



- 1. New bar screen assembly (one of two) onsite; headworks location in the background.**
- 2. New bar screen grit handler assembly.**
- 3. Control building work in progress; new odor control bio-tower in the background.**
- 4. Old bar screen assemblies beyond service life; to be replaced.**
- 5. New rotating disk filter structure; new treatment process provides additional filtering prior to disinfection and discharge of effluent.**
- 6. “Carpet” filter media disks provide surface area; backwash & scum removal.**
- 7. Crane assisted installation of new clarifier partition panels.**
- 8. Spring has arrived; Hippeastrum blooms @ JWSC Botanical Garden (Academy WPCF Control/Lab building).**

Facility Construction Project Photos – MARCH 2022

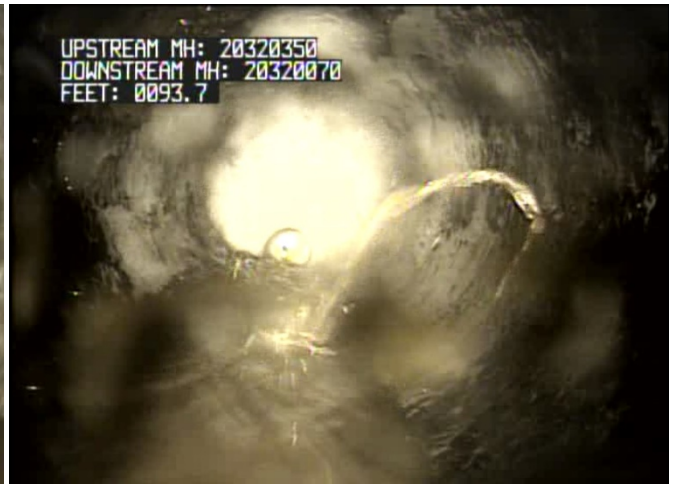
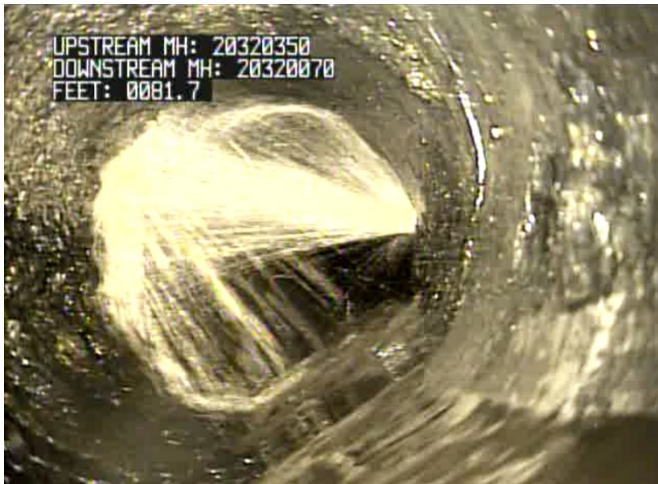
#2001 PS4105 BASIN EXPANSION/FORCE MAIN REROUTE & 4036 CIPP* (68% - MARCH 2022)



1. 02/08/22 sinkhole on gravity main easement upstream of PS4036.
2. 02/25/22; Bionomics repair scheduled for week of March 14th.

Facility Construction Project Photos – MARCH 2022

#2003 SEA PALMS CIPP (90% - MARCH 2021)



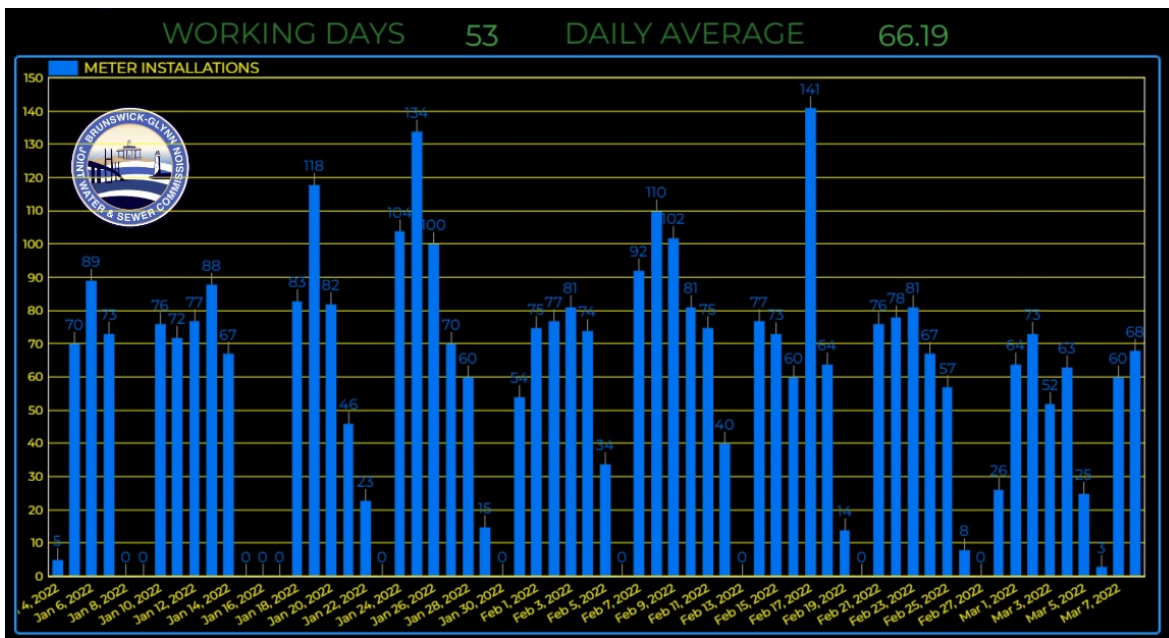
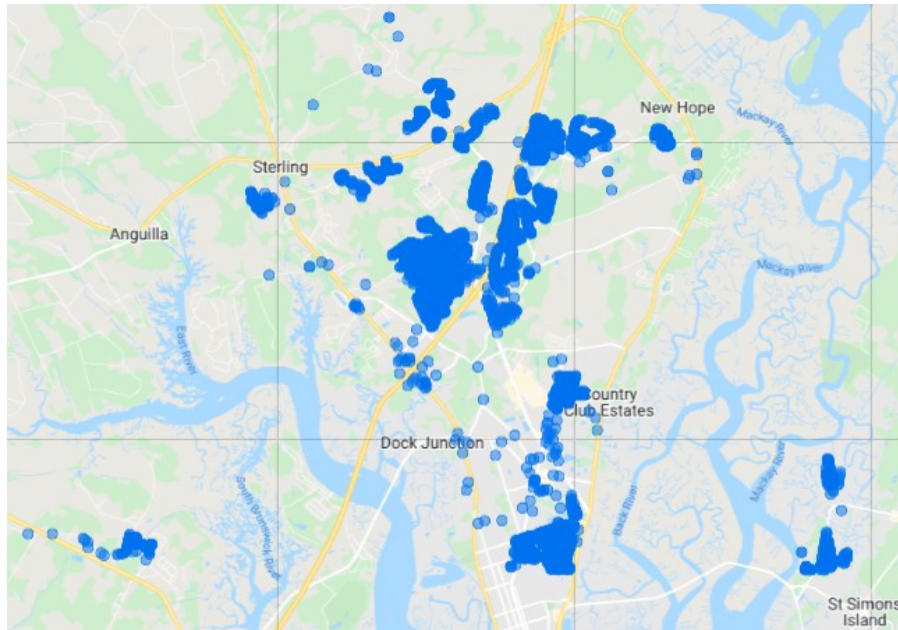
Facility Construction Project Photos – MARCH 2022



1. Various groundwater “gushers” and “leakers” before CIPP lining.
2. Pre & Post CCTV of CIPP for Sea Palms West Drive segment SSMH#20320120-20320110.

Facility Construction Project Photos – MARCH 2022

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



- Installations between January 4 and March 7 (9 weeks) = 3,577
- Daily average on dashboard includes partial Saturdays worked; actual avg is closer to 80/day.
- Original contract allowed 12 months per each ~7,500 meter phase.
- Areas of work this month:
 - a. Completion of partial routes in the Pilot Phase (mostly North & South Mainland)
 - b. Route 11 (north of Demere Road / south of Sea Island Road)
 - c. Route 12 (Island Club)
 - d. Route 92 (apartment complexes 5600, 5700, 5800 Altama)
 - e. Routes 924 & 934 (Parkwood, East Goodyear Park, West Goodyear Park)

Facility Construction Project Photos – MARCH 2022

#2107 PRIORITY BASIN CLEAN/CCTV (IN PROGRESS-TBD)



1. JWSC SP&M line cleaning crew dumping debris cleaned from the south Brunswick system; Exit 29 WPCF grit pad.
2. Accumulated grit cleaned out of the JWSC collection system; PS4039 grit pad.
3. Typical debris removal from Basin 4WTP (basin that directly drains to Academy Creek WPCF).

Proj #	Project Name	Projected Completion Date	Project Manager	Concept Design	Detail Design	Construction	BUDGET VS. EXPENDITURES																STATUS
							BOC APPROVED FUNDING & SOURCE				COMMITTED			EXPENDITURES				BALANCE		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 (Original Approved Budget - Total Expenditures)	% PO Remaining	% Budget Uncommitted	Status		
702	North Mainland Sewer Improvements (NMSI)	Sept 2021	Kline/Vo	JWSC	Thomas & Hutton	(multiple)	\$0	\$3,200,000	\$11,700,000	\$14,900,000	\$14,155,083	-\$759,587.00	\$13,395,496	\$11,593,755	\$1,801,725	-\$67,853	\$13,327,627	\$1,572,373	87%	11%	Design Funds appropriated and divided into three sub-projects.		
	NMSI PHII Gravity Sewer Rehab CIPP	Sept 2020	Kline/Vo	JWSC	Thomas & Hutton	IPR Southeast			\$2,550,519												Project Complete.		
	NMSI - PHII PS4035 & 4036 Upgrade	Feb 2022	Kline/Vo	JWSC	Thomas & Hutton/Four Waters Engineering, Inc.	Southern Civil, LLC			\$2,612,040												Revised Date of Final Completion 02/05/2021 per CO#1. Final punchlist items, record drawings and pay apps submittals pending.		
	NMSI - PHIII Force Main Reroute	Mar 2022	Kline/Vo	JWSC	Thomas & Hutton/Four Waters Engineering, Inc.	TB Landmark Construction Inc			\$4,345,168												FM HDD tie-ins and paving are ongoing on Canal Road with 2 shots remaining to be completed by first week of April. Mobilizing to Ogden planned end of April.		
704	Canal Road to Glynco 12-inch Watermain Loop	Dec 2021	Kline/Patel/Vo	JWSC	JWSC	JWSC/TB Landmark Construction Inc	\$0	\$1,200,000	\$0	\$1,200,000	\$679,685	\$36,000	\$715,685	\$720,389	\$33,130	\$0	\$753,519	\$446,481	101%	37%	Material staged onsite. Approx 2,200 LF installed to date and 3,000 LF remaining to be installed by WDD. WM HDD pending schedule to fuse MJ to existing buried HDPE. Record drawings comments provided to Contractor 02/08/2022.		
801	FEMA Hazard Mitigation-Academy Creek	TBD	Burroughs	Haggerty	TBD	TBD	\$3,188,000	\$0	\$0	\$3,188,000	\$401,690	\$0	\$401,690	\$72,683	\$332,307	\$163,747	\$568,737	\$2,619,263	18%	82%	ATS/disconnects delivered to contractor. Awaiting scheduling of work. Generator bid advertised soon.		
804	Magnolia Water Improvements (City of Brunswick)	Oct 2021	Kline/Vo	JWSC	City of BWK / EMC Engineering Services	Georgia Asphalt Producers	\$1,700,000	\$0	\$0	\$1,700,000	\$1,898,311	\$30,000	\$1,928,311	\$1,700,055	\$228,256	\$0	\$1,928,311	\$(228,311.00)	88%	-13%	Final Record Drawings pending review. Final Pay App#13 processed for payment.		
906	Water Pollution Rehab-Academy & Dunbar	Apr 2022	Burroughs	JWSC	GMC	Ruby-Collins, Inc.	\$0	\$0	\$1,641,306	\$16,641,306	\$11,329,150	\$0	\$11,329,150	\$9,246,577	\$2,311,573	\$50,107	\$11,608,257	\$5,033,049	82%	30%	All tie-ins made. Filter structure is operational. One bar screen has been delivered. New splitter box completely online. Clarifier improvements completed in Clarifier 6. Clarifier 5 improvements ongoing. Demo subcontractor to re-mobilize 3/14 to complete demo of existing pre-aeration structure and old influent wetwell. Influent channel modifications for screen installation to begin week of 3/14.		
2001	PS4105-4107 Basin Expansion/FM Reroute & 4036 CIPP*	Jul 2022	Kline/Vo	JWSC	Roberts Civil Engineering/JWSC	(multiple)	\$1,000,000	\$485,000	\$0	\$1,485,000	\$1,005,134	\$9000	\$1,014,134	\$745,407.00	\$268,727.00	\$0	\$1,014,134	\$470,866	74%	32%	Design Funds appropriated and divided into two sub-projects. Ogden bypass under review. Final liner installations upstream of PS4036 pending PS4036 contractor demobilization.		
	PS4105-4107 Basin Expansion/FM Reroute	Jul 2022	Kline/Vo	JWSC	Roberts Civil Engineering	TBD	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0.00	\$0	\$0	\$0			Construction advertisement on hold pending decision to move forward 10/14/2021. EOR Final invoice processed 11/09/2021.		
	Basin 4036 CIPP	Jul 2022	Kline/Vo	JWSC	JWSC	Bio-Nomics Services, Inc.	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0.00	\$0	\$0	\$0			CO#1 BOC approved for time and cost 12/15/2021. GDOT segments completed 12/22/2021. Completed 15 out of 22 segments. Ogden bypass under review. Final liner installations upstream of PS4036 pending PS4036 contractor demobilization.		
2003	Sea Palms (West) CIPP	Dec 2021	Phase I - Vo, Phase II - Burroughs	JWSC	JWSC	Ph I - IPR, Ph II - Insituform	\$0	\$0	\$561,795	\$561,795	\$560,195	\$17391	\$542,804	\$429,142	\$113,663	\$488	\$543,293	\$18,502	79%	3%	CIPP work complete. Road repair on Sea Palms West Drive being scheduled. Awaiting final invoicing from CIPP contractor.		
2009	Sea Palms East Water Line Rehab	TBD	Simmons	JWSC	JWSC	JWSC	\$0	\$0	\$178,595	\$178,595	\$36,548	\$0	\$36,548	\$34,646.00	\$3,057	\$0	\$37,703	\$140,892	95%	79%	Frederica Road open cut installation sections proposed during off season. JWSC working with Glynn County in regards to ROW permitting and currently sourcing materials for construction.		
2010	Oak Grove Forcemain and PS4132 Improvements*	TBD	Kline/Patel/Vo	Roberts Civil Engineering	Roberts Civil Engineering	TBD	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0			Engineer notified JWSC that they do not intend to proceed with the project. BOC rejection of bids pending.		
2011	Pump Station SCADA Upgrades	Dec 2021	Burroughs/Grantham	JWSC	JWSC/EMC	Jam Electric	\$2,000,000	\$0	\$0	\$2,000,000	\$2,628,979	\$0	\$2,628,979	\$2,316,156	\$312,824	\$0	\$2,628,980	\$(628,980.00)	88%	-31%	Punchlist items nearly complete. Punchlist should be complete prior to end of March.		
2014	PS 2002 FM Replacement	TBD	Burroughs	JWSC	T R Long/AWWIS	TBD	\$500,000	\$0	\$0	\$500,000	\$146,921	\$0	\$146,921	\$124,716	\$22,205	\$0	\$146,921	\$353,079	85%	71%	Updated plan finalized. Staff to bid out HDD along Demere Road with tie-ins. Open cut installation of force main along Arnold Road to be completed in-house. Tentatively scheduled week of 4/11 pending Glynn County ROW permitting approval.		
2015	Bay Street Water Improvements	TBD	Kline	JWSC	Tidewater Engr.	West Const.	\$400,000	\$0	\$0	\$400,000	\$35,817	\$0	\$35,817	\$0	\$35,817	\$0	\$35,817	\$364,183	0%	91%	Segment of new 12" on Grant (from Howe St. to Hanover Sq.) through cooperative installation with SFX Church School addition project. JWSC providing 12" and 8" loop materials. Contractor to install.		
2016	Arco Area Water and Sewer Extensions	Jan 2023	Patel	JWSC	Thomas & Hutton	TBD	\$0	\$300,000	\$3,500,000	\$3,800,000	\$4,044,090	\$0	\$4,044,090	\$263,609	\$3,780,480	\$0	\$4,044,089	-\$244,089.00	7%	-6%	Contract awarded to UWS, Inc. Project kick-off meeting held on 01/04/2022. NTP issued for 03/07/2022. Submittals review in progress.		
2020	Community Rd Sewer Expansion	Jan 2023	Patel	Hussey Gay Bell	JWSC	JWSC	\$0	\$250,000	\$0	\$250,000	\$280,916	\$0	\$280,916	\$189,271	\$91,645	\$0	\$280,916	\$(30,916.00)	67%	-12%	EOR notified of plan revisions needed to incorporate new wet well to design/scope. EOR Contract Amendment provided to JWSC review/approval.		
2021	Annual Galvanized Replacements Program	TBD	Simmons	JWSC	JWSC	JWSC	\$500,000	\$0	\$0	\$500,000	\$131,407	\$0	\$131,407	\$156,795	\$0	\$383	\$157,178	\$342,822	119%	69%	1.9 Miles of Galvanized Line Replaced Project to Date		
2024	Master Plan Update	Mar 2021	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	99%	0%	Staff training for database usage needed.		
2027	PS 4116 Upgrade (Safety Complex)	October 2021	Patel	JWSC	JWSC	Southern Civil, LLC	\$498,499	\$0	\$0	\$498,499	\$498,499	\$0	\$498,499	\$479,804	\$18,695	\$0	\$498,499	\$0	96%	0%	Awaiting warranty docs from contractor prior to processing final payment and project closeout.		
2028	Meter Replacements - Years 1 and 2	June 2022	Roberts/Head	JWSC	JWSC	Delta Municipal Supply/Neptune Technology Group	\$0	\$0	\$7,500,000	\$7,500,000	\$3,750,479	\$6,123,054	\$9,873,533	\$5,520,285	\$4,481,374	\$1,075	\$10,002,734	-\$2,502,734	56%	-33%	Meter installations ongoing. Contractor installing approximately 75 meters per day currently. At time of report, 6,156 meters replaced during project. Approximately 20% complete.		

Proj #	Project Name	Projected Completion Date	Project Manager	Concept Design	Detail Design	Construction	BOC APPROVED FUNDING & SOURCE				COMMITTED			BUDGET VS. EXPENDITURES				BALANCE			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	% PO Remaining	% Budget Uncommitted	Status	
																		(Original Approved Budget - Total Expenditures)				
2102	Canal Road Water Production Facility	TBD	Kline/Vo	Thomas & Hutton	Thomas & Hutton	TBD	\$1,850,000	\$0	\$0	\$1,850,000	\$225,800	\$0	\$225,800	\$0	\$225,800	\$0	\$225,800	\$1,624,200	0%	88%	Revised 30% concept reported submitted and JWSC review comments returned to EOR.	
2103	NM Water Loops	TBD	Kline/Vo	Four Waters Engineering, Inc.	Four Waters Engineering, Inc.	TBD	\$1,250,000	\$0	\$0	\$1,250,000	\$214,000	\$0	\$214,000	\$25,544	\$188,456	\$0	\$214,000	\$1,036,000	12%	83%	60% review comments returned to EOR 03/01/2022.	
2105	PS 4044 Rehab	TBD	Kline/Patel/Vo	LEA	LEA	TBD	\$550,000	\$0	\$0	\$550,000	\$71,750	\$0	\$71,750	\$26,320	\$45,430	\$0	\$71,750	\$478,250	37%	87%	Final reports submitted ESA 1 01/03/2022, Final Geotech 01/31/2022, and Final PER 02/14/2022. Pre60% Drawing comments provided 02/17/2022.	
2106	Dunbar Creek Engineering	May 2022	Burroughs	BRW/HGB	HGB	BRW	\$450,000	\$0	\$0	\$450,000	\$53,400	\$0	\$53,400	\$0	\$53,400	\$0	\$53,400	\$396,600	0%	88%	Phase One Services Approximately 20% complete.	
2107	Priority Basin Clean/CCTV	TBD	Burroughs	JWSC	JWSC	Southeast Pipe Survey	\$425,000	\$0	\$0	\$425,000	\$272,250	\$0	\$272,250	\$151,263	\$120,987	\$0	\$272,250	\$152,750	56%	36%	Project approximately 80% complete. Over 55,000 linear feet televised to date.	
2109	Hwy 17 North Pump Station	TBD	Kline/Patel	TBD	TBD	TBD	\$400,000	\$0	\$0	\$400,000	\$28,577	\$0	\$28,577	\$27,605	\$972	\$0	\$28,577	\$371,423	97%	93%	Survey received from TR Long Engineering. Pumps ordered on 01/07/2022. Parcel dedication and recording in progress. Draft siteplan forwarded to operations to review layout.	
							\$14,958,999	\$5,435,000	\$25,081,696	\$60,475,695												

ID	Task Name	Duration	Scheduled Start	Scheduled Finish	Actual Start	Actual Finish	2018		2019		2020		2021		2022		2023		2024		2025		2026						
							H2	H1	H2	H1	H2	H1	H2	H1	H2	H1	H2	H1	H2	H1	H2	H1	H2	H1					
1	Engineering	1261 days	Thu 11/15/18	Thu 4/28/22	Thu 11/15/18	NA	Engineering																						
11	NM Water Loops	144 days	Mon 11/8/21	Thu 3/31/22	Mon 11/8/21	NA	■ NM Water Loops																						
12	Canal Road Water Production Facility	120 days	Thu 12/2/21	Thu 3/31/22	Thu 12/2/21	NA	■ Canal Road Water Production Facility																						
13	Community Road W&S Extension	675 days	Mon 6/22/20	Thu 4/28/22	Mon 6/22/20	NA	■ Community Road W&S Extension																						
22	Advertisement	964 days	Fri 10/25/19	Tue 6/14/22	Fri 10/25/19	NA	Advertisement																						
27	NM Water Loops	47 days	Fri 4/1/22	Tue 5/17/22	NA	NA	■ NM Water Loops																						
28	Canal Road Water Production Facility	39 days	Fri 4/1/22	Mon 5/9/22	NA	NA	■ Canal Road Water Production Facility																						
29	PS 4105-4107 and FM	47 days	Fri 1/28/22	Tue 3/15/22	NA	NA	■ PS 4105-4107 and FM																						
41	Community Road W&S Extension	47 days	Fri 4/29/22	Tue 6/14/22	NA	NA	■ Community Road W&S Extension																						
43	Contract Administration	997 days	Wed 11/6/19	Fri 7/29/22	Wed 11/6/19	NA	Contract Administration																						
49	Community Road W&S Extension	45 days	Wed 6/15/22	Fri 7/29/22	NA	NA	■ Community Road W&S Extension																						
50	NM Water Loops	45 days	Wed 5/18/22	Fri 7/1/22	NA	NA	■ NM Water Loops																						
51	Canal Road Water Production Facility	45 days	Tue 5/10/22	Thu 6/23/22	NA	NA	■ Canal Road Water Production Facility																						
52	Oak Grove Forcemain	157 days	Wed 10/6/21	Fri 3/11/22	Wed 10/6/21	NA	■ Oak Grove Forcemain																						
55	PS 4105-4107 and FM	45 days	Wed 3/16/22	Fri 4/29/22	NA	NA	■ PS 4105-4107 and FM																						
65	Construction	1664 days	Thu 1/10/19	Mon 7/31/23	Thu 1/10/19	NA	Construction																						
71	PS2002 FM Replacement Condition Assessment	82 days	Mon 12/6/21	Fri 2/25/22	Mon 12/6/21	NA	■ PS2002 FM Replacement Condition Asses																						
75	Bergen Woods Offsite Forcemain Improvements	102 days	Tue 10/5/21	Fri 1/14/22	Tue 10/5/21	Fri 1/14/22	■ Bergen Woods Offsite Forcemain Improv																						
77	NM Water Loops	135 days	Tue 7/5/22	Wed 11/16/22	NA	NA	■ NM Water Loops																						
78	Canal Road Water Production Facility	365 days	Fri 6/24/22	Fri 6/23/23	NA	NA	■ Canal Road Water Producti																						
79	Basin 4036 CIPP	238 days	Tue 7/6/21	Mon 2/28/22	Tue 7/6/21	NA	■ Basin 4036 CIPP																						
80	Oak Grove Forcemain	180 days	Mon 3/14/22	Fri 9/9/22	NA	NA	■ Oak Grove Forcemain																						
81	PS 4105-4107 and FM	180 days	Mon 5/2/22	Fri 10/28/22	NA	NA	■ PS 4105-4107 and FM																						
85	PS 4116 Rehabilitation and FM upgrade	249 days	Mon 6/14/21	Thu 2/17/22	Mon 6/14/21	NA	■ PS 4116 Rehabilitation and FM upgrade																						
91	North Mainland Sewer Phase II-PS4035-4036	327 days	Mon 3/22/21	Fri 2/11/22	Mon 3/22/21	NA	■ North Mainland Sewer Phase II-PS4035-																						
92	North Mainland Sewer Phase III-Forcemain	485 days	Thu 4/1/21	Fri 7/29/22	Thu 4/1/21	NA	■ North Mainland Sewer Phase III-For																						
93	Academy Creek WPCF Rehab	481 days	Mon 1/4/21	Fri 4/29/22	Mon 1/4/21	NA	■ Academy Creek WPCF Rehab																						
94	Annual Galvanized Replacements Program	365 days	Thu 7/1/21	Thu 6/30/22	Thu 7/1/21	NA	■ Annual Galvanized Replacements Pro																						
96	Community Road W&S Extension	365 days	Mon 8/1/22	Mon 7/31/23	NA	NA	■ Community Road W&S Ext																						
97	Sea Palms East Water Line Rehab	683 days	Tue 6/16/20	Fri 4/29/22	Tue 6/16/20	NA	■ Sea Palms East Water Line Rehab																						
98	Canal Rd to Glynco 12" Water Main Loop	295 days	Mon 5/10/21	Mon 2/28/22	Mon 5/10/21	NA	■ Canal Rd to Glynco 12" Water Main Loo																						
101	Arco Area Water and Sewer Extension	240 days	Mon 3/7/22	Tue 11/1/22	NA	NA	■ Arco Area Water and Sewer Exten																						

Project: Capital Projects Gantt C
Date: Fri 2/11/22

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

Capital Projects Earned Value Analysis
Financial Data as of 03/11/2022

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	\$ 13,794,178.18	\$ 11,951,306.36	\$ (1,105,821.82)	\$ 1,842,871.82	\$ 958,086.46	\$ 12,909,392.82	\$ 1,990,607.18	0.93	1.15	0.38
703	PS 4003 Decommission and Gravity Sewer (Complete)	Patel	JWSC	HGB	Pettitcoat-Schmidt Civil Contractors	\$ 3,300,000.00	\$ 2,289,840.82	\$ 2,289,840.82	\$ 2,289,840.82	\$ (3,123,468.40)	\$ -	\$ 1,010,159.18	\$ 3,300,000.00	\$ -	1.00	1.00	1.00
704	Canal Road to Glynco 12" Watermain Loop	Vo	JWSC	T&H	TB Landmark/JWSC	\$ 1,200,000.00	\$ 1,200,000.00	\$ 843,730.48	\$ 724,391.90	\$ (3,123,467.40)	\$ 119,338.58	\$ 305,878.19	\$ 1,030,270.09	\$ 169,729.91	0.70	1.16	0.75
801	FEMA Hazard Mitigation-Academy Creek	Burroughs	Haggerty	TBD	TBD	\$ 3,188,000.00	\$ 2,945,624.66	\$ 871,121.00	\$ 236,429.54	\$ (1,212,968.49)	\$ 634,691.46	\$ 628,820.38	\$ 865,249.92	\$ 2,322,750.08	0.30	3.68	0.78
804	Magnolia Water Improvements (City of Brunswick)	Vo	JWSC	City / EMC	Georgia Asphalt Producers	\$ 1,700,000.00	\$ 1,700,000.00	\$ 1,699,414.75	\$ 1,749,201.27	\$ (585.25)	\$ (49,786.52)	\$ 602.40	\$ 1,749,803.67	\$ (49,803.67)	1.00	0.97	-0.01
906	Water Pollution Rehab-Academy & Dunbar	Burroughs	JWSC	GMC	Ruby-Collins, LLC	\$ 11,641,306.00	\$ 9,836,991.67	\$ 9,371,570.10	\$ 9,683,353.29	\$ (465,421.57)	\$ (311,783.19)	\$ 2,345,247.85	\$ 12,028,601.13	\$ (387,295.13)	0.95	0.97	1.16
2001	PS 4105 Basin Expansion	Vo	JWSC	Roberts Civil Engineering	TBD	\$ 1,485,000.00	\$ 1,485,000.00	\$ 711,345.70	\$ 745,406.87	\$ (773,654.30)	\$ (34,061.17)	\$ 810,698.98	\$ 1,556,105.85	\$ (71,105.85)	0.48	0.95	1.05
2003	Sea Palms CIPP	Burroughs	JWSC	JWSC	TBD	\$ 561,795.00	\$ 561,795.00	\$ 558,513.00	\$ 429,629.59	\$ (3,282.01)	\$ 128,883.41	\$ 2,524.64	\$ 432,154.23	\$ 129,640.77	0.99	1.30	0.02
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
2011	Lift Station SCADA Upgrades	Burroughs	JWSC	EMC	EMC	\$ 2,000,000.00	\$ 2,000,000.00	\$ 1,980,000.00	\$ 2,316,155.78	\$ (20,000.00)	\$ (336,155.78)	\$ 23,395.51	\$ 2,339,551.29	\$ (339,551.29)	0.99	0.85	-0.06
2014	PS 2002 FM Replacement	Burroughs	JWSC	TR Long	TBD	\$ 500,000.00	\$ 38,325.00	\$ 38,133.38	\$ 119,064.30	\$ (191.63)	\$ (80,930.93)	\$ 1,442,091.77	\$ 1,561,156.07	\$ (1,061,156.07)	1.00	0.32	1.21
2016	Arco Water and Sewer Expansion	Patel	JWSC	T&H	UWS	\$ 3,800,000.00	\$ 358,333.33	\$ 201,000.00	\$ 263,609.00	\$ (157,333.33)	\$ (62,609.00)	\$ 4,720,043.74	\$ 4,983,652.74	\$ (1,183,652.74)	0.56	0.76	1.02
2018	Meter Replacements	Roberts	JWSC	N/A	Delta Municipal Supply	\$ 7,750,000.00	\$ 6,118,932.04	\$ 4,063,500.00	\$ 5,632,610.04	\$ (2,055,432.04)	\$ (1,569,110.04)	\$ 5,110,032.46	\$ 10,742,642.50	\$ (2,992,642.50)	0.66	0.72	1.74
2020	Community Rd Area Water and Sewer Expansion	Patel	JWSC	HGB	TBD	\$ 250,000.00	\$ 250,000.00	\$ 164,987.50	\$ 189,271.00	\$ (13,690.48)	\$ (24,283.50)	\$ 97,524.97	\$ 286,795.97	\$ (36,795.97)	0.66	0.87	1.40
2021	Galvanized Replacements	Simmons	JWSC	N/A	JWSC	\$ 500,000.00	\$ 434,705.88	\$ 160,000.00	\$ 159,814.48	\$ (274,705.88)	\$ 185.52	\$ 339,605.77	\$ 499,420.25	\$ 579.75	0.37	1.00	1.00
2024	Master Plan Update	Burroughs	4Waters	N/A	N/A	\$ 247,500.00	\$ 247,500.00	\$ 247,237.50	\$ 244,670.00	\$ (262.50)	\$ 2,567.50	\$ 259.77	\$ 244,929.77	\$ 2,570.23	1.00	1.01	0.09
2103	North Mainland Water Loops	Vo	4Waters	4Waters	TBD	\$ 1,250,000.00	\$ 214,000.00	\$ 149,800.00	\$ 84,740.75	\$ (64,200.00)	\$ 65,059.25	\$ 622,374.99	\$ 707,115.74	\$ 542,884.26	0.70	1.77	0.94
2105	PS 4044 Rehab	Kline	LEA	LEA	TBD	\$ 550,000.00	\$ 71,750.00	\$ 50,225.00	\$ 26,320.00	\$ (21,525.00)	\$ 23,905.00	\$ 261,903.00	\$ 288,223.00	\$ 261,777.00	0.70	1.91	0.95
2106	Dunbar Creek WPCF Engineering	Burroughs	BRW/HGB	HGB	BRW	\$ 53,500.00	\$ 16,941.67	\$ 13,375.00	\$ 9,061.00	\$ (3,566.67)	\$ 4,314.00	\$ 27,183.00	\$ 36,244.00	\$ 17,256.00	0.79	1.48	0.90
2107	Priority Basin Clean & CCTV	Burroughs	N/A	N/A	Southeast Pipe Survey	\$ 425,000.00	\$ 378,958.33	\$ 361,250.00	\$ 151,263.13	\$ (17,708.33)	\$ 209,986.87	\$ 26,693.49	\$ 177,956.62	\$ 247,043.38	0.95	2.39	0.23
2109	Highway 17 North Pump Station	Patel	JWSC	JWSC	TBD	\$ 400,000.00	\$ 143,333.33	\$ 10,000.00	\$ 27,604.83	\$ (133,333.33)	\$ (17,604.83)	\$ 1,076,588.37	\$ 1,104,193.20	\$ (704,193.20)	0.07	0.36	1.05
TOTALS						\$ 55,880,696.00	\$ 45,370,626.73	\$ 37,608,690.57	\$ 37,068,390.10	\$ (7,761,936.16)	\$ 540,300.47	\$ 19,985,045.44	\$ 57,053,435.54	\$ (1,172,739.54)	0.83	1.01	0.97

BAC	Budget at Completion	Approved Budget for Project
PV	Planned Value	% 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
TCPI	To Complete Performance Index	(BAC - EV) / (BAC - 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
Greater than 1.0 indicates project management needs to be more efficient to complete project on budget