



**Brunswick-Glynn Joint Water and Sewer Commission**  
**1703 Gloucester Street, Brunswick GA 31520**  
**Wednesday, August 18, 2021 at 1:00 PM**  
**Commission Meeting Room**

## **FACILITIES COMMITTEE MEETING AGENDA**

### **AMENDED**

**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 July 14, 2021 Facilities Committee Meeting (*subject to any necessary changes*)**
- 2. Minutes from July 14, 2021 Executive Session (*subject to any necessary changes*)**
- 3. GDOT State Road 303 Resurfacing Contract Item Agreement - A. Burroughs**
- 4. Change Order No. 1 SPLOST North Mainland Phase III Pump Stations – A. Burroughs**

#### **DISCUSSION**

- 1. WPCF Plant Flows Report – A. Burroughs**
- 2. Capital Project Report – T. Kline / A. Burroughs**
  - **Capital Project Report Photos**
  - **Capital Project Spreadsheet**
  - **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, August 18, 2021 at 1:00 PM**

## **FACILITIES COMMITTEE MINUTES**

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

**ALSO PRESENT:** Cornell Harvey, Commissioner  
Todd Kline, Director of Engineering  
LaDonnah Roberts, Deputy Executive Director  
Janice Meridith, Executive Commission Admin.

**MEDIA:** None Present

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

Chairman Turnipseed provided the invocation.

### **PUBLIC COMMENT PERIOD**

Chairman Turnipseed opened the Public Comment Period.

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

### **APPROVAL**

**1. Minutes from Facilities Committee Meeting July 14, 2021**

Commissioner Duncan made a motion seconded by Chairman Turnipseed to approve the minutes from the Facilities Committee Meeting held on July 14, 2021. Motion carried 2-0-1. (Commissioner Cook abstained due to having been absent from July 14 meeting.)

**2. Minutes from Facilities Committee Executive Session July 14, 2021**

Commissioner Duncan made a motion seconded by Chairman Turnipseed to approve the minutes from the Facilities Committee Executive Session held on July 14, 2021. Motion carried 2-0-1. (Commissioner Cook abstained due to having been absent from July 14 meeting.)

**3. GDOT State Road 303 Resurfacing Contract Item Agreement – A. Burroughs**

Mr. Burroughs advised the Committee that the GDOT will be resurfacing State Route 303 from south of West Fancy Bluff Road to north of Scouten Lane, and that JWSC has assets that will need to be adjusted

to grade following resurfacing. The GDOT requested an agreement with JWSC in order to bid this work as part of the resurfacing package, including an estimated 10 sewer manholes and 20 water valves that will require grade adjustments. With bids having not been received yet, a total estimated cost of \$35,500.00 has been applied and the total cost of the project will be adjusted once bids are received. Mr. Burroughs provided a copy of the GDOT Contract Line Agreement and an Estimated Bid Cost Spreadsheet for the Committee to examine. JWSC staff has reviewed the estimated costs for the work included in the GDOT's contract and finds them in line with recent bids for similar work. Mr. Burroughs stated that staff recommends entering into an agreement with GDOT for the necessary grade adjustments in the estimated amount of \$35,500.00, and added that the funding will come from the R&R Reserve.

Commissioner Cook made a motion seconded by Commissioner Duncan to move that the Facilities Committee recommend entering into the Contract Item Agreement with Georgia Department of Transportation for infrastructure grade adjustments along State Route 303 in the amount of \$35,500.00. Motion carried 3-0-0.

**4. Change Order No. 1 SPLOST North Mainland Phase III Pump Stations** – A. Burroughs  
Mr. Burroughs informed the Facilities Committee that the JWSC staff received a Change Order No. 1 recommendation letter dated August 6, 2021 from Thomas & Hutton Engineering Co. (Engineer of Record) which included the Contractor's request for additional funding and a time extension to the construction contract in the amount of \$55,508.00 and 30 days. Due to pump and equipment delays being impacted by COVID, PS4035 requires bypass pumping for an extended period of time and added cost of \$31,798.00 for bypass pump rental. Mr. Burroughs stated that the condition of PS4035 wet well was not known at the time of the original contract. It was since discovered that the stairs and walkway into the wet well are corroded beyond feasible repair and may pose a possible hazard if not demolished. The demolition and removal of the concrete stairs/walkway for PS4035 will be done by the Contractor for an additional lump sum of \$23,710.00. The added cost of \$31,798.00 for the bypass pump rental and the additional sum of \$23,710.00 for demolition total the requested additional funding of \$55,508.00. The 30 day construction time extension is requested due to the delivery delays. Mr. Burroughs advised that the staff has reviewed the request and recommended approval of the EOR and Contractor's request for additional funding and a time extension to the construction contract in the amount of \$55,508.00 and 30 days.

Commissioner Duncan made a motion seconded by Commissioner Cook to move that the Facilities Committee recommend approval of Change Order No. 1 to the SPLOST North Mainland Phase III Pump Station Project to Southern Civil, LLC to increase the contract amount by \$55,508.00 and contract time by 30 consecutive calendar days. Motion carried 3-0-0.

## **DISCUSSION**

### **1. Wastewater Flow Reports** – A. Burroughs

Mr. Burroughs reviewed the Wastewater Flow Reports with the Committee. This report contains data regarding the influent and effluent flows, concentration of elements and chemicals, plant capacity, etc. The rainfall amounts at each plant were much higher for July 2021 than they were in July 2020. The influent flow at Academy Creek was at 7.6 MGD and the effluent flow was 6.8 MGD, with the plant operating at 50% of its capacity. The influent flow at Dunbar Creek was at 3.0 MGD and the effluent flow was 3.6 MGD, with the plant operating at 90% capacity. The influent flow at South Port was at 0.403 MGD and the effluent flow was at 0.440 MGD, with the plant operating at 29% capacity. JWSC's wastewater treatment plants are operating very well and are within permit limits.

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

Mr. Kline gave an update on the Project Report for projects currently in process. The Committee Members were provided with a packet containing: the Capital Project Photographs for each project, the Capital Project Report Spreadsheet, the Capital Project Gantt Chart indicating 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 of the current status. The photographs taken at Pump Station 4035 included visuals of the corroded stairs and walkway in the wet well discussed in Approval Item #4 earlier in the meeting.

Chairman Turnipseed asked if there was any further business for discussion.

There being no further Committee business, Chairman Turnipseed adjourned the meeting at 2:13 p.m.

Attest:

  
\_\_\_\_\_  
Janice Meredith,  
Executive Commission Administrator

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



**P.I. M006080, Glynn County - Brunswick-Glynn Joint Water & Sewer - Sewer Manhole / Water Valve**

Pay Item and Description	Additional Description	Unit	In-Kind Items			Betterment Items		In-Kind / Betterment Total Qty	Actual Bid Costs								
			Orig Plan Total Qty	Orig Est Price	Unit Orig Est Cost	Orig Plan Total Qty	Orig Est Cost		Actual Bid Total Qty	Actual Bid Unit Price	Actual Total Bid Cost	Actual In-Kind Bid Cost	Actual Betterment Bid Cost				
ITEM NO.		UNITS			\$ -		\$ -	0			\$ -	\$ -	\$ -	\$ -			
611-8050 ADJUST MANHOLE TO GRADE		EA	10	\$ 1,750.00	\$ 17,500.00		\$ -	10			\$ -	\$ -	\$ -	\$ -			
611-8140 ADJUST WATER VALVE BOX TO GRADE		EA	20	\$ 900.00	\$ 18,000.00		\$ -	20			\$ -	\$ -	\$ -	\$ -			
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			TOTAL EST In-Kind			35,500.00	TOTAL Betterment EST		-		TOTAL Actual Bid Cost		-	TOTAL Actual In-Kind Bid Cost	-	TOTAL Actual Betterment Bid Cost	-
			NON-REIMBURSIBLE / FACILITY OWNER SHARE			35,500.00	TOTAL ESTIMATE IN-KIND & BETTERMENT		35,500.00		TOTAL BID COST NON-REIMBURSIBLE / FACILITY OWNER SHARE		-	TOTAL BID COST IN-KIND & BETTERMENT			
			REIMBURSIBLE / GDOT SHARE			-	TOTAL ESTIMATE IN-KIND (NON-REIMBURSABLE) FACILITY OWNER SHARE & BETTERMENT		35,500.00		TOTAL BID COST / REIMBURSIBLE / GDOT SHARE		-	TOTAL BID COST IN-KIND (NON-REIMBURSABLE) FACILITY OWNER SHARE & BETTERMENT			

Account No. – Class: 733005-309

Department ID: 4848050000

Program No.: 4181501

STANDARD UTILITY AGREEMENT  
CONTRACT ITEM AGREEMENT

Georgia Project No.: N/A, Glynn County

G.D.O.T. P.I. No.: M006080

THIS AGREEMENT, made this \_\_\_\_\_, by and between the Department of Transportation, an agency of the State of Georgia, hereinafter called the DEPARTMENT, first party, and the **Brunswick- Glynn County Joint Water & Sewer Commission.**, a political subdivision of the State of Georgia, hereinafter called the LOCAL AGENCY, second party;

WITNESS that:

WHEREAS, the DEPARTMENT proposes under the above numbered project to resurface State Route 303 from South of West Fancy Bluff Road to North of Scouten Lane in Glynn County, Georgia; and

WHEREAS, due to the construction of this project, it will become necessary to make certain adjustments or additional installation of utility facilities of the LOCAL AGENCY, the cost of which shall be determined in accordance with Articles 8, 9, & 10 below; and

WHEREAS, the LOCAL AGENCY has requested that the DEPARTMENT include the adjustment or installation of **water and sewer facilities** in its highway construction contract as shown on the attached plans; and

WHEREAS, this Agreement being for the sole purpose of providing a contractor for work performed on the LOCAL AGENCY'S **water and sewer facilities**, the LOCAL AGENCY shall bear the cost of said work to be determined as hereinafter set forth;

WHEREAS, the preliminary engineering, including preparation of detailed plans and contract estimate for adjustment of the utilities described above have been accomplished by the LOCAL AGENCY;

WHEREAS, the plans for the utility work have been approved by both the DEPARTMENT and the LOCAL AGENCY prior to commencing work;

NOW THEREFORE, in consideration of the premises and the mutual covenants of the parties hereinafter set forth, it is agreed:

1. All construction engineering and contract supervision shall be the responsibility of the DEPARTMENT and the DEPARTMENT shall be responsible to assure that all utility work is accomplished in accordance with plans and specifications and to consult with the LOCAL AGENCY or LOCAL AGENCY'S Consultant before authorizing any changes or deviations which affect the LOCAL AGENCY'S facility.

STANDARD UTILITY AGREEMENT  
CONTRACT ITEM AGREEMENT

2. The LOCAL AGENCY or the LOCAL AGENCY'S Consultant shall have the right to visit and inspect the work at any time and advise the DEPARTMENT'S Engineer of any observed discrepancies or potential problems. The DEPARTMENT agrees to notify the LOCAL AGENCY when all utility work is completed and ready for final inspection by the LOCAL AGENCY.

3. It is specifically understood that the project number shown above is for the DEPARTMENT'S identification purposes only and may be subject to change by the DEPARTMENT. In the event it becomes necessary for the DEPARTMENT to assign a different project number, the DEPARTMENT shall notify the LOCAL AGENCY of the new project designation. Such change in project designation shall have no effect whatsoever on any of the other terms of this Agreement.

4. The DEPARTMENT shall include in its contract for this project all work necessary to accomplish the adjustment of the LOCAL AGENCY'S facilities as shown on the highway plans along with the necessary specifications to assure that the work conforms to sound construction practices.

5. In the event it becomes necessary to add pay items that are not provided for in the contract, the DEPARTMENT shall negotiate prices with the contractor and enter into a supplemental agreement with the contractor for completion of the additional items. Upon notification, the LOCAL AGENCY shall furnish a check for the additional cost as determined in Article 8 below.

6. The DEPARTMENT shall furnish on the project the construction engineering inspection and testing by its own forces required to assure that the work is done in accordance with the plans, specifications and Special Provisions.

7. Upon completion of the work and upon certification by the DEPARTMENT'S engineers that the work has been completed in accordance with the aforesaid plans and specifications, the LOCAL AGENCY shall accept the adjusted and additional facilities and shall thereafter operate and maintain the adjusted and additional facilities without further cost to the DEPARTMENT or its contractor. Such maintenance and all operations and activities shall be subject to the DEPARTMENT'S rules, policies and procedures as contained in its Utility Accommodation Policy and Standards, current edition.

8. The DEPARTMENT shall include in its highway contract those items shown as "materials" for permanent installation on the aforesaid plans. The price bid for the appropriate items shall include all labor, materials and incidentals necessary to complete the work. The cost of the requested work shall be determined from unit quantities and unit prices as shown in the DEPARTMENT'S tabulation of bids. The approximate non-binding pre-let estimate, not including betterment, is **\$35,500.00** based on the LOCAL AGENCY'S estimate attached hereto of which the Department shall bear **\$0.00 or 0% and the LOCAL AGENCY shall bear \$35,500.00 or 100%.**

STANDARD UTILITY AGREEMENT  
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9. It is mutually agreed that as soon as practicable after the opening of bids and acceptance of a bid by the DEPARTMENT, the DEPARTMENT shall notify the LOCAL AGENCY in writing of the amount due the DEPARTMENT. The LOCAL AGENCY shall pay to the DEPARTMENT the amount due within sixty (60) days.

10. It is further mutually agreed that the final cost of the work performed on behalf of the LOCAL AGENCY shall be determined by measurement of the actual quantities of installed materials, including added items under Article 5, multiplied by the actual bid prices. Accordingly, after the project has been completed, the DEPARTMENT shall determine the final cost to be borne by the LOCAL AGENCY and, as the case may be, shall refund to the LOCAL AGENCY or shall request of the LOCAL AGENCY an additional payment in the amount of the difference between the final cost to be borne by the LOCAL AGENCY and the amount which the LOCAL AGENCY has previously paid to the DEPARTMENT. In the event additional payment is due to the DEPARTMENT, the LOCAL AGENCY agrees to pay same within sixty (60) days after the statement is received from the DEPARTMENT. In the event a refund is due the LOCAL AGENCY, the DEPARTMENT agrees to pay the LOCAL AGENCY within sixty (60) after the refund amount is determined or final acceptance is made by the DEPARTMENT.

11. The covenants herein contained shall, except as otherwise provided, accrue to the benefit of and be binding upon the successors and assigns of the parties hereto.

12. Pursuant to O.C.G.A. Sec. 50-5-85, LOCAL AGENCY hereby certifies that it is not currently engaged in, and agrees that for the duration of this contract, it will not engage in a boycott of Israel.

13. It is mutually agreed between the parties hereto that this document shall be deemed to have been executed in the Fulton County, Georgia, and that all questions of interpretation and construction shall be governed by the laws of the State of Georgia.

14. This Agreement may be executed in any number of counterparts, each of which so executed shall be deemed to be an original, and such counterparts shall together constitute but one and the same Agreement. The parties shall be entitled to sign and transmit an electronic signature of this Agreement (whether by facsimile, PDF or other email transmission), which signature shall be binding on the party whose name is contained therein. Any party providing an electronic signature agrees to promptly execute and deliver to the other parties an original signed Agreement upon request.

STANDARD UTILITY AGREEMENT  
CONTRACT ITEM AGREEMENT

IN WITNESS WHEREOF, the parties hereto have caused this Agreement to be executed in three counterparts, each to be considered as original by their authorized representative the day and date hereinabove written.

BRUNSWICK-GLYNN JOINT  
WATER & SEWER COMMISSION

BY: \_\_\_\_\_  
NOTARY PUBLIC (SEAL)  
SWORN TO AND SUBSCRIBED  
BEFORE ME THIS \_\_ DAY  
OF \_\_\_\_\_, 20\_\_\_\_\_.

BY: \_\_\_\_\_  
CHAIRMAN

\_\_\_\_\_  
Notary Public  
My commission expires:

Signed on behalf Brunswick- Glynn County Joint Water & Sewer Commission pursuant to resolution dated \_\_\_\_\_.

\*\*\*\*\*

FEIN \_\_\_\_\_

BY: \_\_\_\_\_  
COMMISSION CLERK  
(OFFICIAL SEAL)

\*\*\*\*\*

RECOMMENDED:

ACCEPTED:

BY: \_\_\_\_\_  
STATE UTILITIES ADMINISTRATOR

DEPARTMENT OF TRANSPORTATION

BY: \_\_\_\_\_  
COMMISSIONER

PROJECT NO.: N/A  
COUNTY: Glynn  
G.D.O.T. P.I. NO.: M006080  
DATE: June 11, 2021, AM

Signed, sealed and delivered this \_\_\_\_\_  
day of \_\_\_\_\_, 20\_\_\_\_\_.

(OFFICIAL SEAL OF THE DEPARTMENT)

I attest that the seal imprinted herein is the Official Seal of the DEPARTMENT.

BY: \_\_\_\_\_  
TREASURER  
OFFICIAL CUSTODIAN OF THE SEAL



STANDARD UTILITY AGREEMENT  
CONTRACT ITEM AGREEMENT

**RESOLUTION**

STATE OF GEORGIA

**BRUNSWICK-GLYNN JOINT WATER & SEWER COMMISSION**

BE IT RESOLVED by the BOARD OF COMMISSIONER of the BRUNSWICK-GLYNN JOINT WATER & SEWER COMMISSION, and it is hereby resolved, that the foregoing attached Agreement, relative to project N/A, Glynn County, P.I. No. M006080 resurface State Route 303 from South of West fancy Bluff Road to North of Scouten lane in Glynn County and that the Mr. BEN TURNISPEED as CHAIRMAN and \_\_\_\_\_, as Commission Clerk, be and they are, thereby authorized and directed to execute the same for and in behalf of said by the CHAIRMAN of the BRUNSWICK-GLYNN JOINT WATER & SEWER COMMISSION.

Passed and adopted, this the \_\_\_\_\_ day of \_\_\_\_\_, 20\_\_.

ATTEST:

\_\_\_\_\_  
COMMISSION CLERK

BY: \_\_\_\_\_  
CHAIRMAN

STATE OF GEORGIA,

**BRUNSWICK-GLYNN JOINT WATER & SEWER COMMISSION**

I \_\_\_\_\_, as Commission Clerk, do hereby certify that I am custodian of the books and records of the same, and that the above and foregoing copy of the original is now on file in my office, and was passed by the CHAIRMAN of the BRUNSWICK-GLYNN JOINT WATER & SEWER COMMISSION.

WITNESS my hand and official signature, this the \_\_\_\_\_ day of \_\_\_\_\_,

20\_\_\_\_\_.

BY: \_\_\_\_\_  
COMMISSION CLERK



# *Brunswick-Glynn*

## *Joint Water and Sewer Commission*

# *Memorandum*

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**To:** Facilities Committee  
**From:** Todd Kline, P.E., Director of Engineering  
**Date:** Wednesday, August 18, 2021  
**Re:** APPROVAL – SPLOST 2016 North Mainland Pump Stations Change Order No. 1

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### Overview

- Who: Thomas & Hutton Engineering Co. (Engineer of Record) and Southern Civil, LLC (Contractor)
- What: Request for Additional Funding and Time Extension to the construction contract.
  - Notice to Proceed: March 22, 2021 (290 days, orig. contract time)
  - Contract Amount (Funding): \$2,612,040.00
  - Request for Time Extension: 30 days
  - Request for Addition Funding Amount: \$55,508.00
- Why: Compensation for additional cost and time required associated with materials delays and unforeseen stairs and walkway corrosion in the Pump Station 4035 wetwell.

### Staff Report

JWSC staff received a Change Order No. 1 recommendation letter dated August 6, 2021 from Thomas & Hutton Engineering Co. (EOR) which included the Contractor's request for additional funding and time extension to the construction contract in the amount of \$55,508.00 and 30 days. The delivery date of the pumps and other equipment has been delayed due to the on-going impacts seen from the COVID-19 pandemic and other supply chain delays. This requires the station to be under bypass pumping for an extended period and added cost of \$31,798.00 for bypass pump rental. In addition, Pump Station 4035 has stairs and a walkway into the wet well which are corroded beyond feasible repair cost and are a possible hazard if not demolished. The Contractor has provided a lump sum cost of \$23,710.00 to demolish and remove the concrete stairs/walkway for Pump Station 4035.

### Recommended Action

Staff has reviewed the request and recommends approval of the EOR and Contractor's request for additional funding and a time extension to the construction contract in the amount of \$55,508.00 and 30 days.

### Recommended Motion

*"I move that the Facilities Committee recommend approval of Change Order No. 1 to the SPLOST North Mainland Phase III Pump Station Project to Southern Civil, LLC to increase the contract amount by \$55,508.00 and contract time by 30 consecutive calendar days."*

### Enclosures

Thomas & Hutton Recommendation of Approval  
Contractor's Material Delays Letter Package (dated 08/05/2021)  
Contractor's Material Delays Letter Package (dated 07/28/2021)  
Change Order Review Email Correspondence from EOR to JWSC (08/04/2021 to 08/13/2021)



50 PARK OF COMMERCE WAY  
SAVANNAH, GA 31405 | 912.234.5300  
WWW.THOMASANDHUTTON.COM

August 13, 2021

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

RE: IFB 21-013  
2016 SLOST Phase II  
Division III - Pump Stations 4035 & 4036  
Additional Change Order & Time Extension

Dear Mr. Burroughs:

We have received a request from Southern Civil, the contractor for upgrading the Pump Stations 4035 and 4036, for a time extension and additional charges for the construction contract. The delivery date of the pumps and other equipment has been delayed due to the on-going impacts seen from the Covid19 pandemic beyond the control of the contractor. The delays will require that the stations remain under bypass pumping conditions for an extra two months. Due to the additional time required for bypassing of these stations via rental diesel operated pumps, they are requesting additional **\$31,798.00** for the additional two months of bypass pumping.

In addition, at the August 3<sup>rd</sup> site visit to Pump Station 4035, now that the wetwell has been pumped out and the area is accessible for better inspection, it was discussed that the stairway and walkway into the wet well is corroded and is a possible hazard to the operators. Based on existing plans assessment, T&H believes saw cutting and removing the walkways and stairways will not affect the structural integrity of the wetwell (structural beams will not be removed). JWSC staff requested a price from the contractor for the removal. Southern Civil has provided a lump sum price of **\$23,710.00** to demolish and remove the concrete stair/walkway for the P.S. 4035.

T&H, as an Engineer of Record, after reviewing the attached backup documents, hereby supports the requests and these additional charges. We recommend additional **\$55,508.00** change order and 30 additional days to be incorporated to the original contract documents.

Should you have any questions, please do not hesitate to call.

Sincerely,

**THOMAS & HUTTON**

A handwritten signature in blue ink that reads 'A. Stovall'.

A. Christopher Stovall, P.E.

ACS/dc  
Enclosures



August 9, 2021

Thomas & Hutton  
50 Park of Commerce Way  
Savannah, GA 31405

ATTENTION: Chris Stovall

REFERENCE: 2016 SPLOST North Mainland Phase II Pump Station Improvements  
PS4035 Additional Demolition Change Order

Dear Mr. Stovall,

As discussed at the Aug. 3<sup>rd</sup> on-site meeting, we are submitting a lump sum price of \$23,710.00 for the additional concrete demolition at the PS4035 lift station. This price includes concrete cutting and removal of the wet pit concrete walkway and stairwell.

Feel free to contact me with any questions.

Thanks,

A handwritten signature in blue ink that reads 'Matt Deal'.

Matt Deal  
Southern Civil, LLC  
Phone: (912) 334-0540  
Email: [mdeal@southerncivilllc.com](mailto:mdeal@southerncivilllc.com)

## Jason Vo

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**From:** Jason Vo  
**Sent:** Friday, August 13, 2021 11:32 AM  
**To:** Fred Sororian (sororian.f@thomas-hutton.com); Chris Stovall (stovall.c@thomas-hutton.com)  
**Cc:** Todd Kline  
**Subject:** RE: PS4035 Additional Concrete Change Order  
**Attachments:** Recommendation of Change Order - Ph II (PS 4035 ).pdf

Hello Fred,

Thanks for knocking out the revised letter so quickly as shown in the file attached.

Thanks!

**Jason Vo, P.E.**

Brunswick-Glynn Joint Water & Sewer Commission  
1703 Gloucester St; Brunswick, GA 31520  
Office: (912) 261-7140  
Work Cell: (912) 324-9905  
[jvo@bgjwsc.org](mailto:jvo@bgjwsc.org)

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**From:** Todd Kline <[TKline@bgjwsc.org](mailto:TKline@bgjwsc.org)>  
**Sent:** Thursday, August 12, 2021 4:52 PM  
**To:** Jason Vo <[JVo@bgjwsc.org](mailto:JVo@bgjwsc.org)>  
**Subject:** FW: PS4035 Additional Concrete Change Order

Jason,

Please take a stab at change order memo draft (FAC & BOC) for the additional demo work and the additional two months of bypassing recommend by T&H (attached). I'll get together with you to review at some point, tomorrow.

Todd

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**From:** Sororian, Fred <[sororian.f@tandh.com](mailto:sororian.f@tandh.com)>  
**Sent:** Friday, August 6, 2021 10:48 AM  
**To:** Todd Kline <[TKline@bgjwsc.org](mailto:TKline@bgjwsc.org)>  
**Cc:** Kirk Young <[KYoung@bgjwsc.org](mailto:KYoung@bgjwsc.org)>; Jason Vo <[JVo@bgjwsc.org](mailto:JVo@bgjwsc.org)>; Stovall, Chris <[stovall.c@tandh.com](mailto:stovall.c@tandh.com)>  
**Subject:** RE: PS4035 Additional Concrete Change Order

Todd,

As requested, Please see attached T&H recommendation letter and Southern Civil backup documentations. Let me know if you need anything else.

Thanks,

**FRED SORORIAN** | Project Engineer  
**THOMAS & HUTTON**  
p 912-721-4128 m 912-547-3013  
e [sororian.f@tandh.com](mailto:sororian.f@tandh.com)  
a 50 Park of Commerce Way | Savannah, GA 31405



[vCard](#) | [Website](#) | [LinkedIn](#) | [Facebook](#) | [Twitter](#) | [Instagram](#)

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---

**From:** Todd Kline <[TKline@bgjwsc.org](mailto:TKline@bgjwsc.org)>  
**Sent:** Thursday, August 5, 2021 8:59 AM  
**To:** Sororian, Fred <[sororian.f@tandh.com](mailto:sororian.f@tandh.com)>  
**Cc:** Kirk Young <[KYoung@bgjwsc.org](mailto:KYoung@bgjwsc.org)>; Jason Vo <[JVo@bgjwsc.org](mailto:JVo@bgjwsc.org)>; Stovall, Chris <[stovall.c@tandh.com](mailto:stovall.c@tandh.com)>  
**Subject:** RE: PS4035 Additional Concrete Change Order

Fred,  
For file and backup documentation, please send a formal T&H recommendation on the Change Order request for bypassing and the additional demo work. If approved on this end, I'll need to get this onto the next BOC agenda.

Thanks,  
Todd  
JWSC

---

**From:** Sororian, Fred <[sororian.f@tandh.com](mailto:sororian.f@tandh.com)>  
**Sent:** Wednesday, August 4, 2021 3:17 PM  
**To:** Todd Kline <[TKline@bgjwsc.org](mailto:TKline@bgjwsc.org)>  
**Cc:** Kirk Young <[KYoung@bgjwsc.org](mailto:KYoung@bgjwsc.org)>; Jason Vo <[JVo@bgjwsc.org](mailto:JVo@bgjwsc.org)>; Stovall, Chris <[stovall.c@tandh.com](mailto:stovall.c@tandh.com)>  
**Subject:** FW: PS4035 Additional Concrete Change Order

Todd,  
See below email from Steve about the price to remove all the concrete steps and walkway at the 4035 PS.

**FRED SORORIAN** | Project Engineer  
**THOMAS & HUTTON**  
p 912-721-4128 m 912-547-3013  
e [sororian.f@tandh.com](mailto:sororian.f@tandh.com)  
a 50 Park of Commerce Way | Savannah, GA 31405  
[vCard](#) | [Website](#) | [LinkedIn](#) | [Facebook](#) | [Twitter](#) | [Instagram](#)

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---

**From:** Matt Deal <[mdeal@southernvilllc.com](mailto:mdeal@southernvilllc.com)>  
**Sent:** Wednesday, August 4, 2021 3:14 PM  
**To:** Sororian, Fred <[sororian.f@tandh.com](mailto:sororian.f@tandh.com)>  
**Cc:** Steven L. Rearley <[srearley@southernvilllc.com](mailto:srearley@southernvilllc.com)>; Stovall, Chris <[stovall.c@tandh.com](mailto:stovall.c@tandh.com)>  
**Subject:** PS4035 Additional Concrete Change Order

Fred,  
As discussed at the Aug. 3<sup>rd</sup> on-site meeting, we are submitting a lump sum price of \$23,710.00 for the additional concrete demolition at the PS4035 lift station. This price includes concrete cutting and removal of the wet pit concrete walkway and stairwell.

Feel free to contact me with any questions.

Thanks,

*Matt Deal*

Matt Deal

Southern Civil, LLC

Cell: (912) 334-0540

Office: (912) 832-4465

Web Site: [www.southerncivilllc.com](http://www.southerncivilllc.com)





July 28, 2021

Thomas & Hutton  
50 Park of Commerce Way  
Savannah, GA 31405

ATTENTION: Chris Stovall

REFERENCE: 2016 SPLOST North Mainland Phase II Pump Station Improvements  
Material Delays

Dear Mr. Stovall,

As discussed during our June 6<sup>th</sup> on-site status meeting, we are submitting the following information along with the attached supporting documentation regarding the long delivery dates for the material on this project.

On June 21<sup>st</sup>, we sent you a letter advising that the KSB Pump order original delivery date of Sept. 9<sup>th</sup> has moved to Oct. 21<sup>st</sup>. The letter also contained information regarding the pipe/fitting/valves for this project being delayed until the last week in July. According to our suppliers, they are making every effort to meet these dates however, these dates are subject to change.

The COVID-19 pandemic has resulted in manpower reduction, raw material supply chain disruptions and shipping delays for manufactures in our industry. The combination of these items has resulted in the delivery delays mentioned above for the materials needed to facilitate the construction of this project.

Attached are five (5) separate schedules showing how these delays have disrupted the project schedule and how we think the disruption can be minimized.

- The first schedule represents our initial construction schedule which was based on Flygt's 14 week submersible pump lead time. This schedule includes 4 months of bypass equipment rental for each of the separate lift stations.
- The second schedule represents the owner requested change from Flygt pumps to KSB pumps. The KSB submersible pump lead time was 20 weeks at the time the pumps were released into production. This schedule includes 4 months of bypass equipment for each of the separate lift stations. Note that the bypassing on PS4036 would have to start approximately 7 weeks prior to the completion of PS4035 in order to meet the contractual deadlines for this project.



- The third schedule represents the material and pump delays previously stated in this letter. The bypassing for PS4035 has been extended to 6 months and the bypassing for PS4036 has remained at 4 months. Note that the bypassing for PS4036 would have to start approximately 16 weeks prior to the completion of PS4035 in order to meet the contractual deadlines for this project.
- The fourth schedule represents the material and pump delays previously stated in this letter. The bypassing for PS4035 has been extended to 6 months and the bypassing for PS4036 has been extended to 5 months. Note this schedule places the bypassing of PS4036 at the completion of PS4035 thus extending the completion of the project until April 29, 2022.
- The fifth schedule represents both the third and fourth schedule. This schedule shows how the date in which PS4036 is placed on bypass directly impacts the completion date for this project. All the information from the third and fourth schedule above remained the same. They are just shown on the same gantt chart for easier comparison.

Also attached are letters from our manufactures confirming the delays incurred for each of their supplied equipment/materials in which these schedules were based upon.

Based on the bypass invoices received thus far for PS4035, the monthly cost for bypassing is \$15,899.00. As shown on the attached invoices, the bypass system monthly rental rate is \$13,499.00 and the average monthly fuel consumption is \$2,400.00.

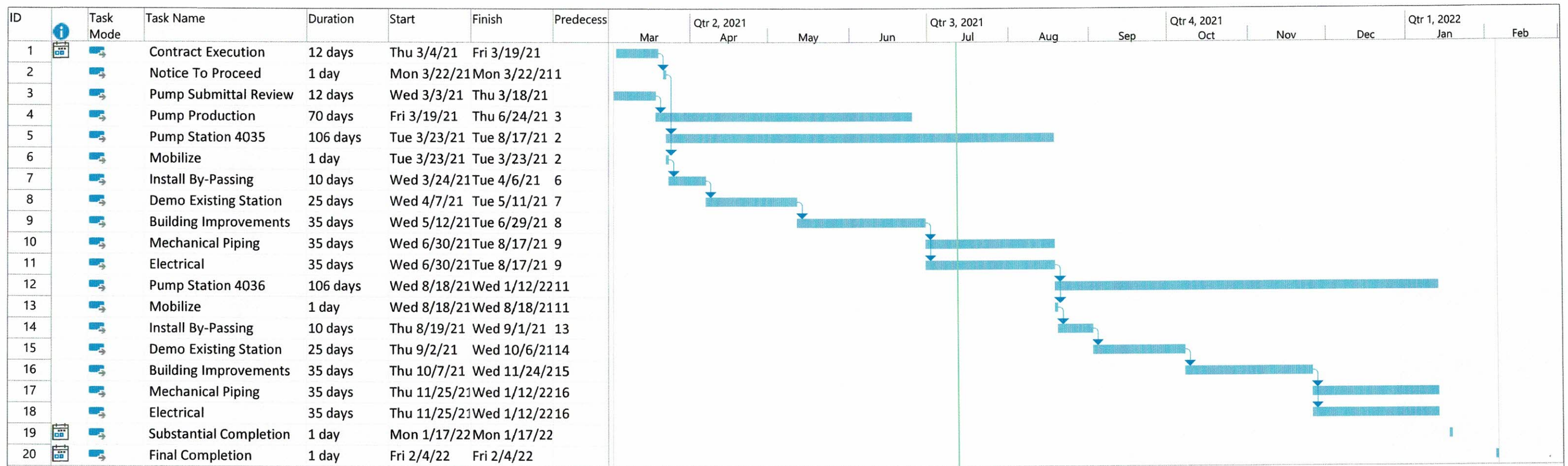
The disruption in the supply of materials that the COVID-19 pandemic caused has affected everyone in our industry and was unforeseen at the time this project was bid. With that being said, we request this information be reviewed by your office and direction giving as to how best to manage the material delays experienced by this project. We also request that we be compensated for the upcoming additional bypassing expenses that will be incurred.

Please let me know if you have any questions.

Thanks,

A handwritten signature in blue ink that reads 'Matt Deal'.

Matt Deal  
Southern Civil, LLC  
Phone: (912) 334-0540  
Email: mdeal@southerncivilllc.com



**Project Schedule (March 3, 2021)**

**Flygt Pump Lead Time: 70 Working Days (14 Weeks)**

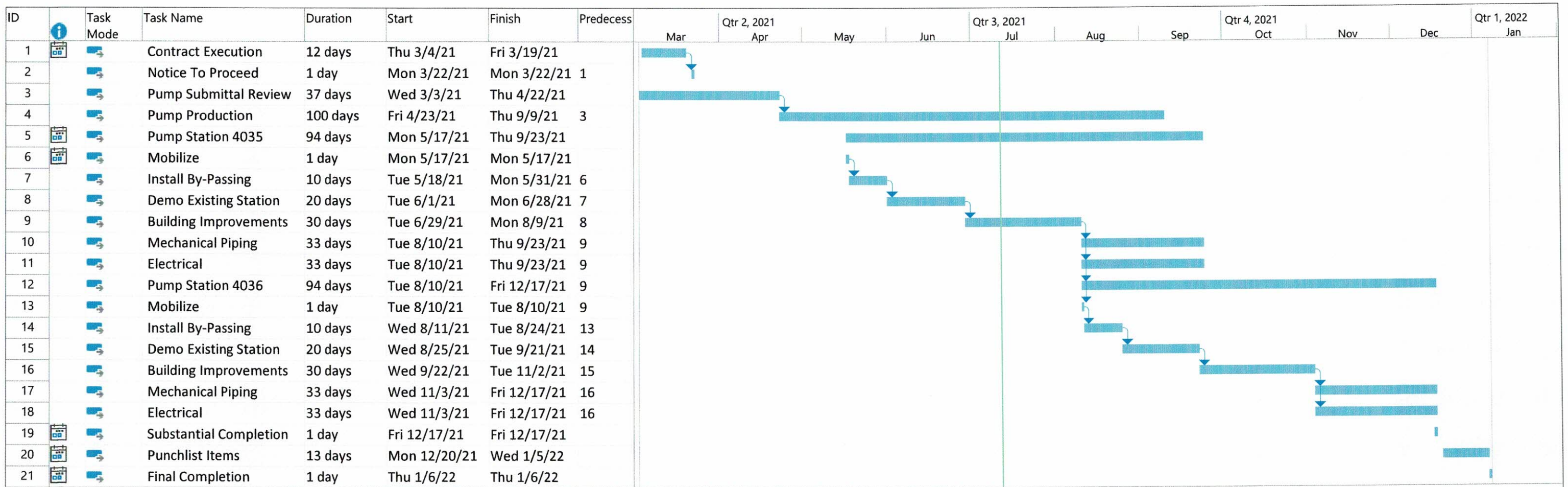
**PS4036 Bypass Time: Total of 4 Months**

**PS4035 Bypass Time: Total of 4 Months**

Project: Mainland\_03032021  
Date: Mon 7/12/21

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

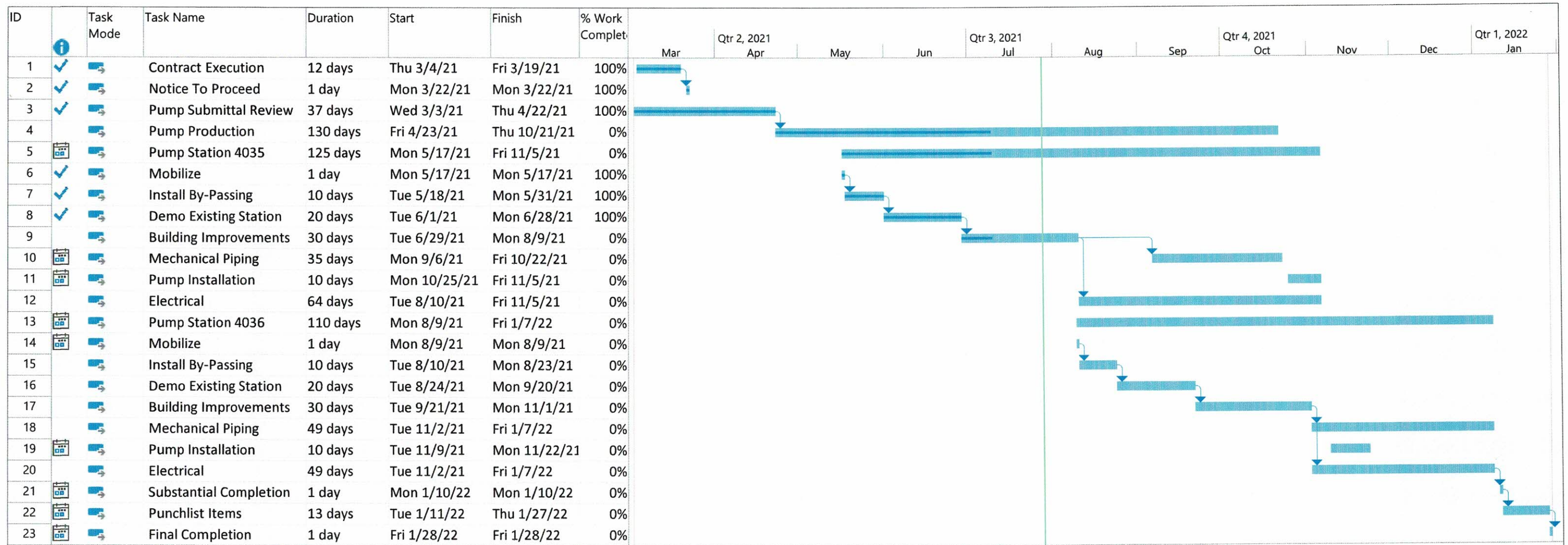




Project Schedule (May 6, 2021)  
 KSB Pump Lead Time: 100 Working Days (20 Weeks)  
 PS4035 Bypass Time: Total of 4 Months  
 PS4036 Bypass Time: Total of 4 Months

Project: Mainland_03032021 Date: Original	Task		Project Summary		Manual Task		Start-only		Deadline	
	Split		Inactive Task		Duration-only		Finish-only		Progress	
	Milestone		Inactive Milestone		Manual Summary Rollup		External Tasks		Manual Progress	
	Summary		Inactive Summary		Manual Summary		External Milestone			





Project Schedule (July 28, 2021) with PS4036 Bypassing being install the week of Aug. 9th

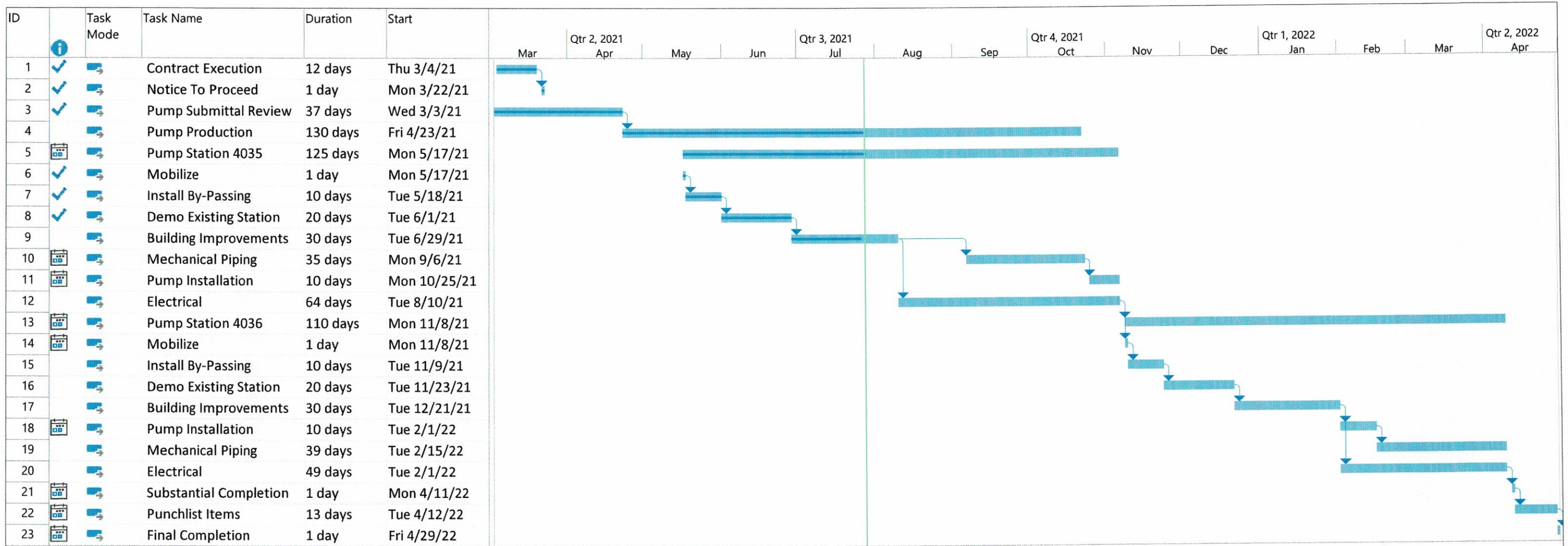
KSB Pump Lead Time: 130 Working Days (26 Weeks)

PS4035 Bypass Time: Total of 6 Months

PS4036 Bypass Time: Total of 4 Months

Project: Mainland_03032021 Date: Wed 7/28/21	Task		Project Summary		Manual Task		Start-only		Deadline	
	Split		Inactive Task		Duration-only		Finish-only		Progress	
	Milestone		Inactive Milestone		Manual Summary Rollup		External Tasks		Manual Progress	
	Summary		Inactive Summary		Manual Summary		External Milestone			

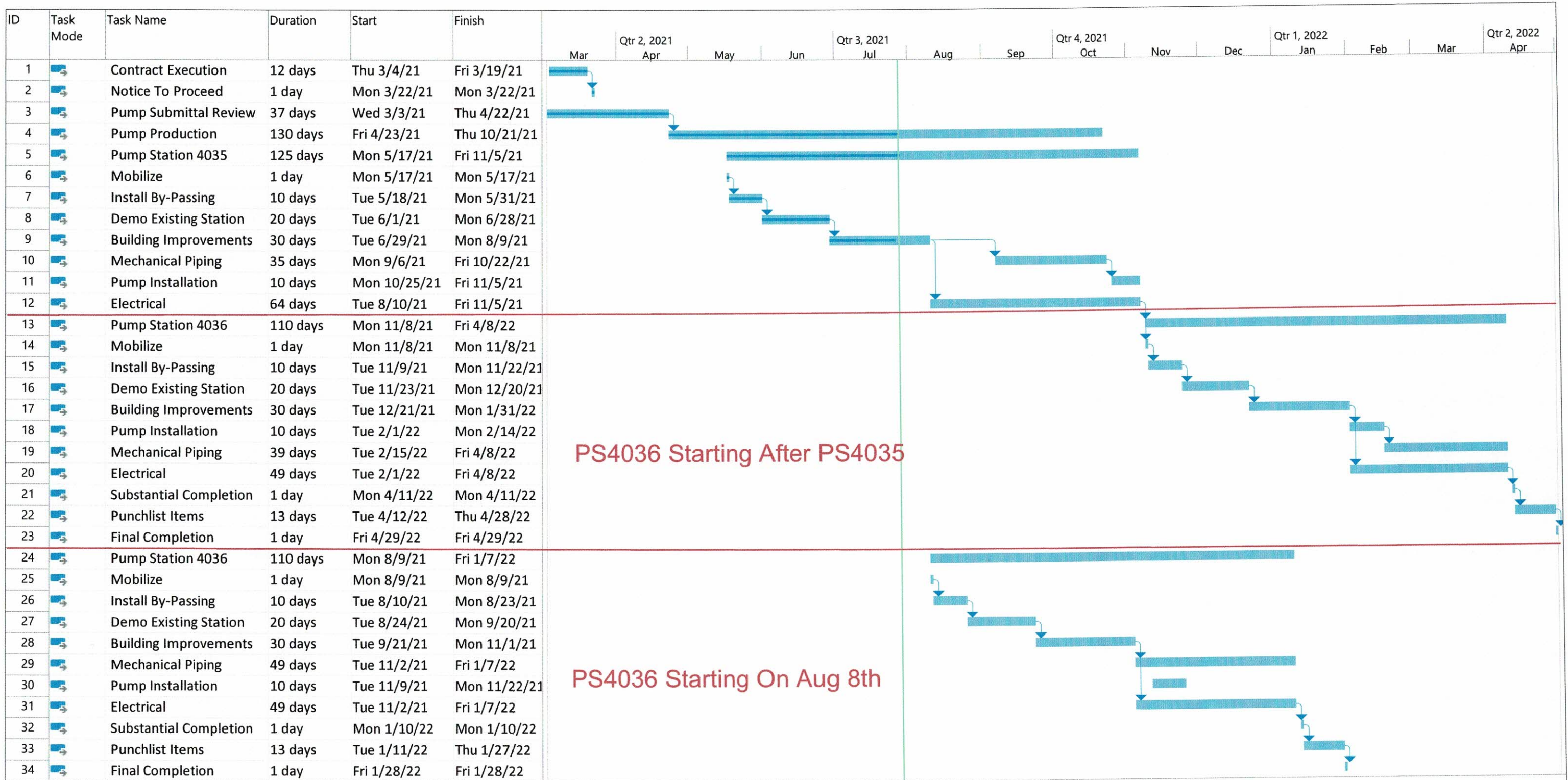




Project Schedule (July 28, 2021) with PS4036 Starting After PS4035 is Complete  
 KSB Pump Lead Time: 130 Working Days (26 Weeks)  
 PS4035 Bypass Time: Total of 6 Months  
 PS4036 Bypass Time: Total of 5 Months

Project: Mainland_03032021 Date: Wed 7/28/21	Task		Project Summary		Manual Task		Start-only		Deadline	
	Split		Inactive Task		Duration-only		Finish-only		Progress	
	Milestone		Inactive Milestone		Manual Summary Rollup		External Tasks		Manual Progress	
	Summary		Inactive Summary		Manual Summary		External Milestone			





PS4036 Starting After PS4035

PS4036 Starting On Aug 8th

Combined Schedule Showing PS4036 Starting After PS4035 and PS4036 Starting On Aug 8th

Project: Mainland_03032021 Date: Wed 7/28/21	Task		Project Summary		Manual Task		Start-only		Deadline	
	Split		Inactive Task		Duration-only		Finish-only		Progress	
	Milestone		Inactive Milestone		Manual Summary Rollup		External Tasks		Manual Progress	
	Summary		Inactive Summary		Manual Summary		External Milestone			





# INVOICE

**Rain For Rent**  
**Charleston**  
 2521 West Fifth North Street  
 Summerville SC 29483  
 843-851-6137

24/7 Emergency 800-742-7246  
 www.rainforrent.com

<b>Your sales person</b>	<b>REMIT PAYMENTS TO:</b>
CHRIS HEYEL	Rain for Rent
	RAIN FOR RENT FILE 52541 LOS ANGELES, CA 90074-2541

**CONTRACT #** 1122749  
**CUSTOMER** Southern Civil LLC

**INVOICE#**  
1616335

**INVOICE DATE**  
6/7/2021

**PO or JOB#**  
21-194

**PAYMENT DUE**  
7/7/2021

**CUSTOMER #** 132311  
**NAME** Southern Civil LLC

**PLEASE PAY** **\$13,499.47**

**ADDRESS** PO BOX 9  
Townsend GA 31331



**SHIPPED TO JOBSITE:**  
**NAME** Southern Civil LLC

**ADDRESS** 3820 Ross Rd  
Sears GA 31520

**PHONE**

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

**PHONE**

QTY	UOM	DESCRIPTION	PRODUCT #	STATUS	DATE OUT	BILLED THRU	DAYS BILLED	PRICE	AMOUNT	TAXABLE
1.00	EA	Pump Trash 12" DV300I SD 3126B SA SK	604397	Current	5/12/2021	6/6/2021	26.00	\$4,202.00	\$4,202.00	Y
1.00	EA	Pump Trash 12" DV300I SD 3126B SA SK	606161	Current	5/12/2021	6/6/2021	26.00	\$4,202.00	\$4,202.00	Y
4.00	EA	Adapter 12" Flange Backup Ring DR11	722104	Current	5/12/2021	6/6/2021	26.00	\$31.83	\$127.32	Y
6.00	EA	Adapter 12" Flanged HDPE DR17	722167	Current	5/12/2021	6/6/2021	26.00	\$54.00	\$324.00	Y
2.00	EA	Adapter 18" Flange Backup Ring DR11	722132	Current	5/12/2021	6/6/2021	26.00	\$31.83	\$63.66	Y
1.00	EA	Elbow 12" 45 Degree HDPE DR17	722162	Current	5/12/2021	6/6/2021	26.00	\$54.00	\$54.00	Y
5.00	EA	Elbow 12" 90 Degree HDPE DR17	722163	Current	5/12/2021	6/6/2021	26.00	\$54.00	\$270.00	Y
2.00	EA	Elbow 18" 90 Degree HDPE DR17	326006	Current	5/12/2021	6/6/2021	26.00	\$103.71	\$207.42	Y
2.00	EA	FLOAT CLOSE COMPLETE	325991	Current	5/12/2021	6/6/2021	26.00	\$24.75	\$49.50	Y
4.00	EA	FLOAT OPEN COMPLETE	325990	Current	5/12/2021	6/6/2021	26.00	\$24.75	\$99.00	Y
150.00	EA	PIPE 12" HDPE SDR17	950956	Current	5/12/2021	6/6/2021	26.00	\$1.59	\$238.50	Y
40.00	EA	Pipe 18" HDPE DR17	950969	Current	5/12/2021	6/6/2021	26.00	\$2.62	\$104.80	Y
17.00	EA	PIPESTAX XL	724717	Current	5/12/2021	6/6/2021	26.00	\$11.44	\$194.48	Y
9.00	EA	PIPESTAX XL	MR IND	Current	5/12/2021	6/6/2021	26.00	\$11.44	\$102.96	Y
3.00	EA	PIPESTAX XL	MR IND	Current	5/12/2021	6/6/2021	26.00	\$7.80	\$23.40	Y
2.00	EA	Reducer 18"x12" HDPE DR17	MR IND	Current	5/12/2021	6/6/2021	26.00	\$103.71	\$207.42	Y
2.00	EA	Valve 12" Gate Flanged 10RW Cast Iron	720681	Current	5/12/2021	6/6/2021	26.00	\$207.23	\$414.46	Y

<b>RENTAL PROTECTION PLAN:</b>	\$1,523.88
<b>ENVIRONMENTAL FEE:</b>	\$326.55
<b>TOTAL SALES:</b>	\$0.00
<b>TOTAL RENTALS:</b>	\$10,884.92
<b>TOTAL SERVICES:</b>	\$0.00
<b>TOTAL OTHER:</b>	\$0.00
<b>SUBTOTAL:</b>	\$12,735.35
<b>TAX:</b>	\$764.12

**TOTAL:** **\$13,499.47**

FOR PROPER CREDIT, PLEASE INCLUDE INVOICE NUMBER ON YOUR PAYMENT. PAST DUE AMOUNTS ARE SUBJECT TO A SERVICE CHARGE OF 1.50% CUSTOMER, (RENTEE OR BUYER as context requires), shall be deemed to accept all terms, conditions and provisions hereof upon execution of this agreement; ordering; or delivery of equipment to customer, whichever comes first.

**PAYMENT TERMS: NET 30**

SIGNATURE: \_\_\_\_\_ DATE: \_\_\_\_\_



# J.D. MOORE OIL

J. D. Moore Oil  
P.O. Box 1078  
Brunswick, GA 31521

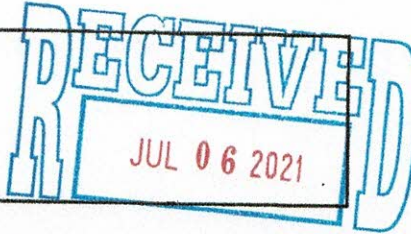
Petroleum Products Since 1950

912-265-7190

Date:	7/1/2021
Account:	SCL
Page:	1

Amount Paid:	
--------------	--

SOUTHERN CIVIL LLC  
PO BOX 9  
18525 HWY 17 S  
TOWNSEND GA 31331



Credit Limit: Unlimited  
Payment Terms: 10TH OF THE MONTH  
Finance Charge APR: 18.00%

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

*\*Please return this portion with your payment\**

Document No.	Date	Code	Description	Invoice	Payment	Balance
1048282	6/2/2021	SLS	1048282	\$1,741.40		\$1,741.40
1048523	6/14/2021	SLS	1048523	\$374.54		\$2,115.94
1048730	6/21/2021	SLS	1048730	\$437.60		\$2,553.54
1048779	6/21/2021	SLS	1048779	\$705.45		\$3,258.99

PAY TO THE ORDER OF  
STATE STREET BANK  
STATESBORO, GA 30427-2000  
061204563  
FOR DEPOSIT ONLY  
SOUTHERN CIVIL LLC  
04023297

*\$600.00 / week*

Amount Due:	\$3,258.99
Minimum Payment:	\$0.00

Current	31 - 60 Days	61 - 90 Days	91 and Over			
\$3,258.99	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00

Codes: SLS = Sales / Invoices      FIN = Finance Charges      CR = Credit Memos  
 SCH = Scheduled Payments      SVC = Service / Repairs      RTN = Returns  
 DR = Debit Memos      WRN = Warranties      PMT = Payments

July 16, 2021

Project: Brunswick Glynn Joint Sewer – LS 4035 & 4036  
Re: Material Delivery

To whom it may concern,

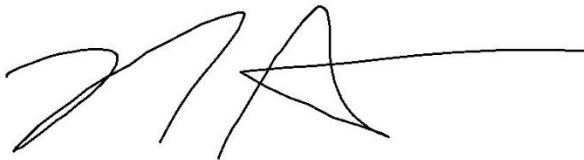
The KSB equipment being provided for these projects is currently scheduled for delivery to the awarded contractor on 10/21/2021. A combination of factors has lead certain products to experience longer than normal lead times, and the pumps on this project have fallen into that category. Raw material availability has added weeks to production time, specifically products with larger amounts of Stainless Steel. (Cooling jackets for the pumps on this project)

International transit times from Europe to the USA have started to improve, however, there is additional time built into the delivery to account for the uncertainty of ocean freight. US port congestion has also and continues to play a role in longer than usual transit times. While this is out of KSB's control, we have recently partnered with a worldwide leader in logistics to provide greater visibility and access to freight once it has cleared the ports.

This project is extremely important to KSB and we continue to work with the factory for monthly updates and continue to push for improvements to the final delivery time.

Please feel free to reach out to me should there be any questions or additional concerns.

Best regards,

A handwritten signature in black ink, appearing to read "NA", with a long horizontal line extending to the right.

Nick Abbatiello  
Southeast Regional Sales Manager  
Water Market Area  
[Nick.abbatiello@ksb.com](mailto:Nick.abbatiello@ksb.com)  
Mobile: 904-643-1973



**SIP Industries**  
Quality Manufacturer Since 1960

July 13, 2021

Matt Deal  
Southern Civil LLC  
PO Box 9  
Townsend, Georgia 31331

Reference/Project: BGJWSC Mainland PS Rehabs (PS4035 & PS4036) Brunswick/Glynn County GA - Fittings

Mr. Deal,

SIP Industries has been providing quality products for over 60 years and we take great pride in meeting or exceeding industry standards. We regret to inform you that the material purchased for the above project have been delayed by circumstance out of our control. The unforeseen global supply chain issues caused by the Covid – 19 pandemic, global container shortage and raw material availability have significantly limited our ability to provide accurate and timely deliveries. Our current projection is for delivery in late August.

Should you have additional questions or if I can be of service in any other way, do not hesitate to contact me at SIP Industries headquarters in Houston, TX.

Sincerely,

Roger Johnson  
Director of Technical Services  
Mobil; 281 254-4047  
Email: [rjohnson@sipindustries.com](mailto:rjohnson@sipindustries.com)

cc: Chuck Carrigan



---

**SIP CORPORATE** 8876 Gulf Freeway, Suite 500, Houston, TX 77017

**SIP CENTRAL** 2900 Patio Drive, Houston, TX 77017

**SIP EAST** 600 Rayloc Drive, Atlanta, GA 30336

**SIP WEST** 8333 Almeria Avenue, Fontana, CA 92335

Phone: 877-921-6111 or 713-923-6111 | Fax: 713-923-6114 | [www.sipindustries.com](http://www.sipindustries.com) | [sales@sipindustries.com](mailto:sales@sipindustries.com)



P.O. Box 9, Townsend, GA 31331

---

August 5, 2021

Thomas & Hutton  
50 Park of Commerce Way  
Savannah, GA 31405

ATTENTION: Chris Stovall

REFERENCE: 2016 SPLOST North Mainland Phase II Pump Station Improvements  
Material Delays

Dear Mr. Stovall,

As requested during our August 3rd on-site status meeting, we are submitting the attached documentation which supports our previously requested time extension and additional by-pass pumping compensation.

The first document is our submittal register showing the pump, valve, fittings and pipe procurement timeline. The second document is a letter from Core & Main, LP acknowledging that we did in fact contact them in an attempt to find the required material for this project from a second supplier. All of the piping, valves and fittings for this project was ordered from Consolidated Pipe & Supply.

If you have any questions, please feel free to contact me.

Thanks,

A handwritten signature in blue ink that reads 'Matt Deal'.

Matt Deal  
Southern Civil, LLC  
Phone: (912) 334-0540  
Email: mdeal@southerncivilllc.com

**BGJWSC Mainland PS Improvements**

<u>P.O. #'s</u> <u>Description</u> <u>Cost Code</u>	<u>Submittal #</u>	<u>Representative</u>	<u>Manufacture</u>	<u>Date</u> <u>Letter Of Intent</u> <u>Mailed</u>	<u>Date</u> <u>P.O. or Subc.</u> <u>Mailed</u>	<u>Date Submittal</u> <u>Received From</u> <u>Sub/Supplier</u>	<u>Date Submittal</u> <u>Sent To</u> <u>Engineer</u>	<u>Date Submittal</u> <u>Returned From</u> <u>Engineer</u>	<u>Action</u> A = No Exception B = Exception as Noted C = Revise & Resubmit D = Rejected	<u>Date Submittal</u> <u>Returned To</u> <u>Sub/Supplier</u>	<u>Target Delivery</u>	<u>Date</u> <u>Start-Up Report</u> <u>Sent To</u> <u>Engineer</u>	<u>Date</u> <u>O &amp; M Manual</u> <u>Received</u>	<u>Comments</u>
21-194-01 Submersible Pumps 12.010	1.0 1.1	Xylem Water Solutions USA, Inc. Flygt Products 128 A Airport Park Drive Garden City, GA 31408 Contact: Daniel Collier C: 912-414-3965 <a href="mailto:daniel.collier@xyleminc.com">daniel.collier@xyleminc.com</a>	Flygt	2/18/2021	3/4/2021	3/1/2021 3/30/2021	3/3/2021 3/30/2021	3/26/2021	D	3/26/2021			Void	
21-194-11 Mechanical 15.005	4.0	Consolidated Pipe & Supply 4894 Old Louisville Road Savannah, GA 31408 Contact: Michael May Phone: 912-218-4541 <a href="mailto:mmay@surfsouth.com">mmay@surfsouth.com</a>	Various	-	5/7/2021	3/31/2021	3/31/2021	4/30/2021	B	4/30/2021				
21-194-08 Submersible Pumps 12.010	1.2	Pump & Process Equipment 8343 Rosewell Road, Suite 315 Atlanta, GA 30350 Contact: Jay Boudreaux C: 912-659-6180 <a href="mailto:jay@pumpandprocess.net">jay@pumpandprocess.net</a>	KSB	-	4/9/2021	4/12/2021	4/12/2021	4/22/2021	A	4/22/2021	Ship Date 10/21/2021			
PS4035 Pipe Drawing	9.0	SC	Various	-	-	-	4/30/2021	5/5/2021	A	5/5/2021				
PS4036 Pipe Drawing	10.0	SC	Various	-	-	-	4/30/2021	5/5/2021	A	5/5/2021				



Core & Main, LP  
550 Jimmy Deloach Pky  
#120  
Savannah, GA  
31407

August 5, 2021

Southern Civil, LLC  
P.O. Box 9  
Townsend, GA 31331

ATTENTION: Matt Deal

REFERENCE: 2016 SPLOST North Mainland Phase II Pump Station Improvements  
Material Delays

Dear Mr. Deal,

As requested, this correspondence is being sent to you confirming that Southern Civil, LLC did in fact contact me on June 14, 2021 in an attempt to find the required pipe/fittings/valves for the referenced project. Upon reviewing the material list and contacting our suppliers, we were unable to provide the material in a shorter time span than our competition.

We greatly appreciate you contacting us with the opportunity and are hopeful to work with you on future projects.

Thanks,

Bryan Jenkins Sr.  
Core & Main, LP

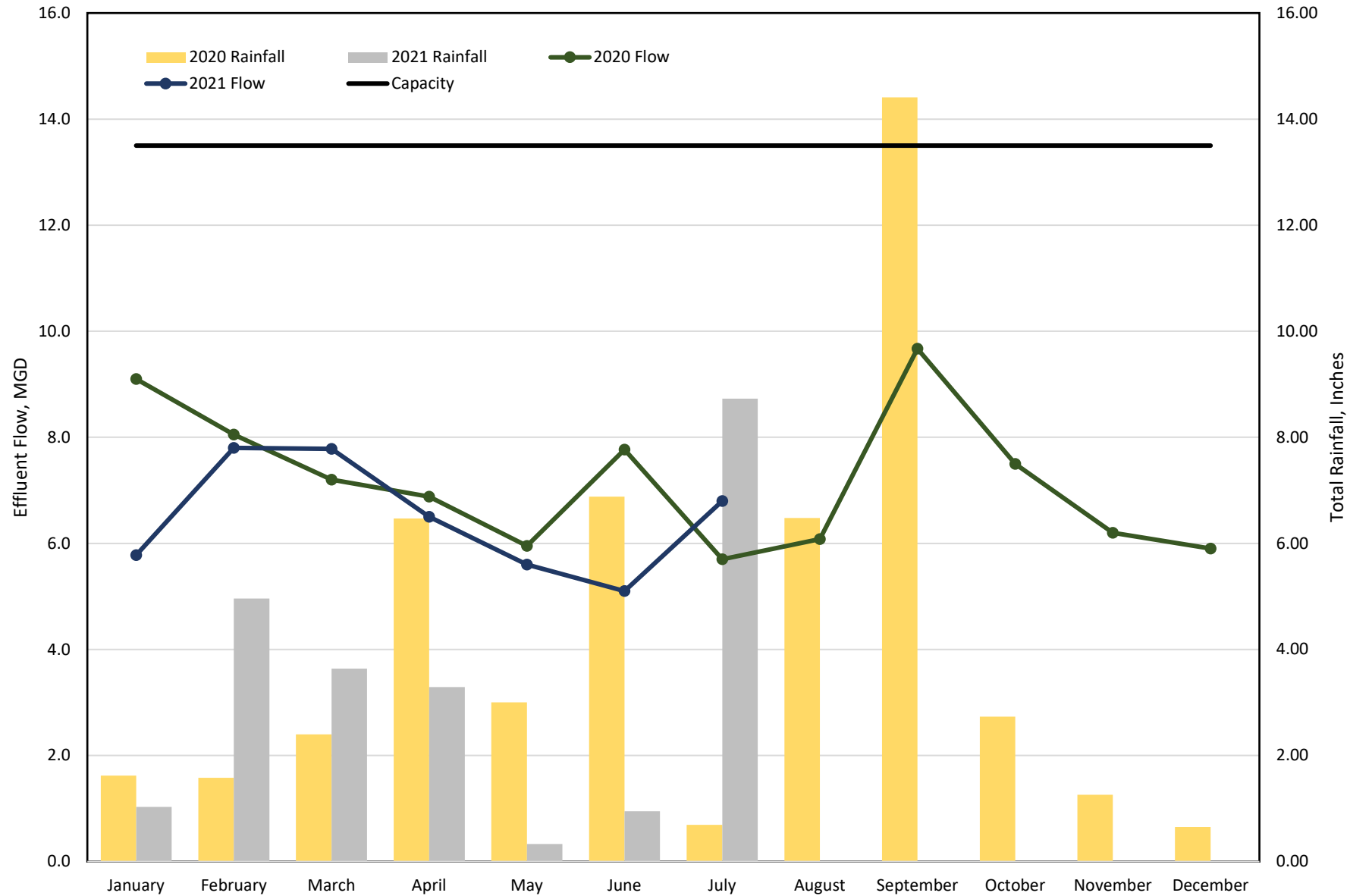
**Local Knowledge**  
**Local Experience**  
**Local Service, Nationwide®**



ACADEMY CREEK WWTP	FLOW (MGD)				Influent Concentrations					Effluent Concentrations							Removal Efficiency		Rainfall		Water Meter Monthly MGal	Sludge Tons to Landfill	
	INF	PINOVA	EFF	% Cap.	pH s.u.	BOD mg/L	TSS mg/L	NH3 mg/L	Phos mg/L	pH s.u.	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
January 2020	8.1	0.7	9.1	67%	7.6	186	195	14.0	7.2	6.6	6.2	10	13	8.6	0.07	11	1.3	94.62%	93.33%	0.75	1.62	0.725	61.04
February 2020	7.1	0.8	8.1	60%	7.6	207	248	19.3	21.6	6.6	6.5	9	11	11.5	0.10	3	6.0	95.65%	95.56%	0.42	1.58	0.666	126.20
March 2020	7.1	0.7	7.2	53%	7.5	188	195	19.8	16.2	6.6	6.4	8	10	8.4	0.03	13	7.2	95.74%	94.87%	1.20	2.40	0.650	43.54
April 2020	7.1	0.8	6.9	51%	7.4	186	223	18.0	8.6	6.5	6.1	9	15	6.1	0.01	8	1.9	95.16%	93.27%	1.60	6.47	0.626	71.62
May 2020	6.1	0.8	6.0	44%	7.6	232	262	18.1	14.2	6.5	6.1	8	15	5.0	0.01	17	4.0	96.55%	94.27%	1.90	3.00	0.417	59.80
June 2020	7.5	0.8	7.8	58%	7.6	212	240	14.8	10.4	6.6	5.9	7	18	5.3	0.05	107	3.9	96.70%	92.50%	3.20	6.88	0.609	61.42
July 2020	5.5	0.7	5.7	42%	7.4	212	200	23.0	7.2	6.6	5.9	9	20	7.6	0.03	78	4.2	95.75%	90.00%	0.57	0.69	0.597	33.78
August 2020	6.0	0.7	6.1	45%	7.4	192	202	20.9	8.0	6.6	6.0	7	11	9.8	0.08	223	3.7	96.35%	94.55%	1.15	6.48	0.518	20.11
September 2020	9.8	0.8	9.7	72%	7.3	179	172	14.6	12.6	6.6	6.1	18	35	7.9	0.08	217	7.6	89.94%	79.65%	8.70	14.41	0.617	15.99
October 2020	7.8	0.6	7.5	56%	7.4	207	218	13.9	9.9	6.6	6.4	8	8	5.6	0.09	324	2.1	96.14%	96.33%	0.85	2.73	0.605	22.99
November 2020	6.2	0.7	6.2	46%	7.5	278	253	19.0	12.7	6.5	6.3	9	11	5.2	0.08	185	6.8	96.76%	95.65%	0.85	1.26	0.650	31.16
December 2020	5.8	0.7	5.9	44%	7.3	364	344	21.3	13.1	6.7	6.5	6	9	2.8	0.09	3	5.7	98.35%	97.38%	0.60	0.65	0.662	82.64
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	0.643	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	0.739	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	1.030	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	1.329	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	1.160	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	1.413	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	1.026	85.20
August 2021																							
September 2021																							
October 2021																							
November 2021																							
December 2021																							
Average	6.8	0.8	6.9	51%	7.5	241.5	255	18.8	11.86	6.6	6.3	8.8	13.6	7.0	0.08	66	4.4	96.06%	94.10%	1.77	3.74	0.773	72.85
Max	9.8	1.0	9.7	72%	7.7	441.0	516	23.0	21.6	6.9	6.8	18.0	35.0	11.5	0.47	324	7.6	98.35%	98.06%	8.70	14.41	1.413	142.20
Min	5.0	0.6	5.1	38%	7.3	179.0	172	13.9	7.20	6.5	5.9	6.0	8.0	2.8	0.01	3	1.3	89.94%	79.65%	0.21	0.33	0.417	15.99
Permit Limits	N/A	N/A	13.5	N/A	N/A	N/A	N/A	N/A	N/A	6.0-9.0	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

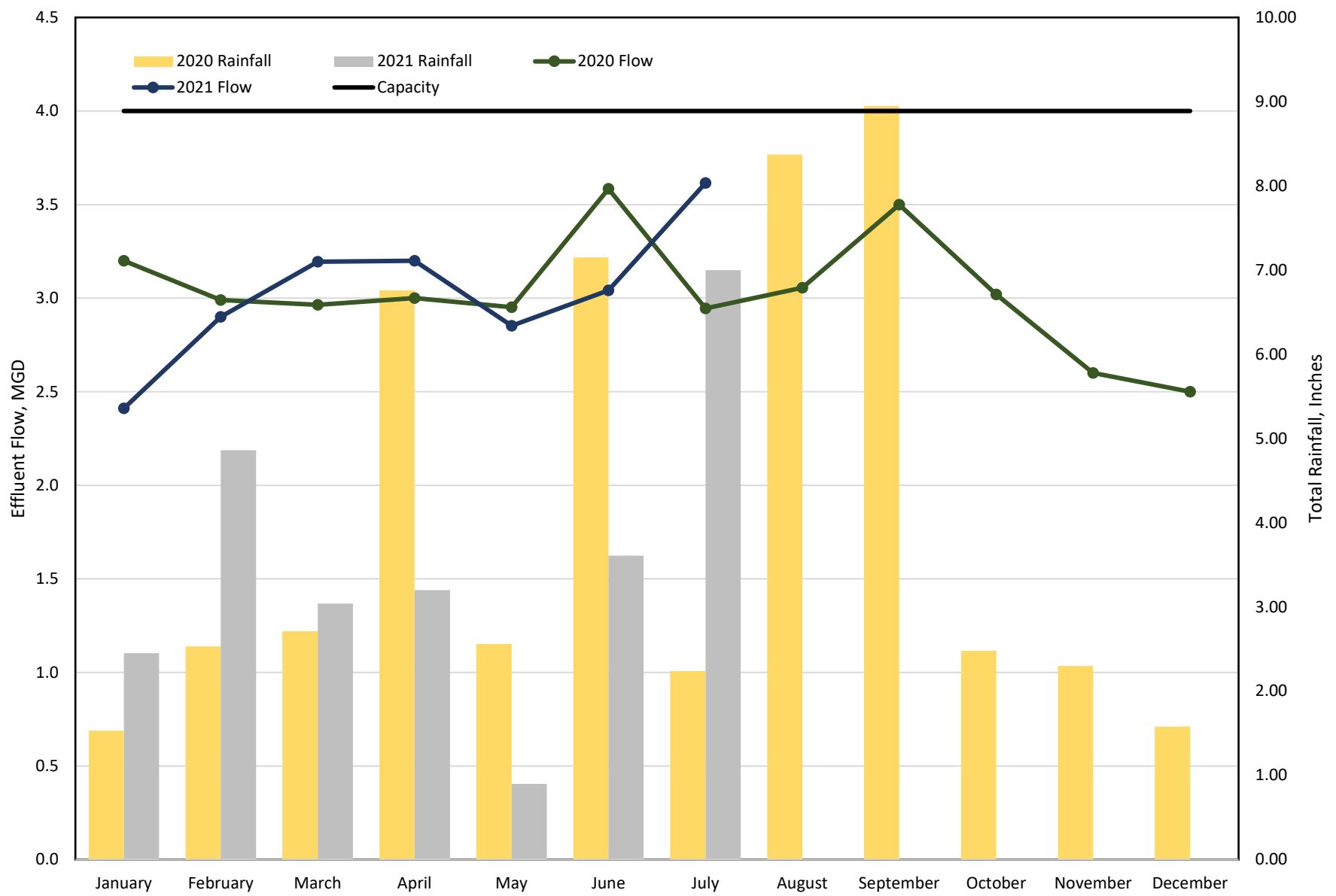




DUNBAR CREEK WWTP	FLOW (MGD)			Influent Concentrations					Effluent Concentrations							Removal Efficiency		Rainfall		Water Meter Monthly M/Gal	Sludge Tons to Landfill
	Month	INF	EFF	% Cap.	pH s.u.	BOD mg/L	TSS mg/L	NH3 mg/L	Phos mg/L	pH s.u.	D.O. mg/L	BOD mg/L	TSS mg/L	NH3 mg/L	Entero. #/100 mL	Phos. mg/L	BOD %	TSS %	Maximum Inches		
January 2020	3.0	3.2	80%	7.0	141	150	19.0	2.95	7.2	9.0	2.0	1.7	0.1	3	2.1	98.58%	98.87%	0.62	1.53	0.049	17.92
February 2020	2.8	3.0	75%	7.1	159	202	19.4	3.15	7.3	9.1	2.0	2.0	0.6	3	2.3	98.74%	99.01%	0.98	2.53	0.034	20.70
March 2020	2.7	3.0	74%	7.1	157	179	20.1	3.70	7.3	8.6	2.0	2.0	0.4	2	2.2	98.73%	98.88%	1.07	2.71	0.033	20.28
April 2020	2.8	3.0	75%	7.0	144	165	20.2	3.05	7.0	8.1	1.0	2.0	0.4	2	2.7	99.31%	98.79%	1.41	6.76	0.039	24.42
May 2020	2.6	3.0	74%	7.1	174	209	21.1	4.65	6.9	8.2	2.0	2.0	0.2	1	3.5	98.85%	99.04%	1.24	2.56	0.036	24.00
June 2020	3.3	3.6	90%	7.2	178	186	19.5	3.40	6.5	7.3	1.0	2.0	0.2	3	2.1	99.44%	98.92%	2.71	7.15	0.036	20.67
July 2020	2.6	2.9	74%	7.0	203	209	28.0	5.55	6.9	7.5	4.1	2.0	0.6	1	2.9	97.97%	99.04%	0.79	2.24	0.031	7.24
August 2020	2.8	3.1	76%	7.1	148	194	19.0	3.80	7.0	7.6	3.0	1.0	0.4	4	3.1	97.97%	99.48%	1.71	8.37	0.033	24.82
September 2020	3.4	3.5	88%	6.9	120	154	20.6	2.75	6.8	7.6	5.0	3.0	0.7	19	2.8	95.83%	98.05%	3.35	8.95	0.032	24.42
October 2020	2.8	3.0	76%	6.8	162	209	41.1	3.20	6.8	7.6	4.0	3.8	0.5	7	2.2	97.53%	98.18%	0.68	2.48	0.028	22.72
November 2020	2.5	2.6	65%	6.9	180	215	23.9	3.75	6.9	8.3	4.0	3.0	0.5	6	2.7	97.78%	98.60%	0.53	2.30	0.027	13.80
December 2020	2.7	2.5	63%	7.2	190	189	28.9	3.75	6.8	8.9	3.0	2.8	0.5	2	2.7	98.42%	98.52%	0.73	1.58	0.036	12.61
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	0.049	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	0.049	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	0.026	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	0.053	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	0.044	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	0.072	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	0.091	33.61
August 2021																					
September 2021																					
October 2021																					
November 2021																					
December 2021																					
Average	2.8	3.0	76%	7.1	177.3	205.5	28.3	3.91	7.0	8.0	2.9	2.2	0.5	5	2.6	98.31%	98.89%	1.4	3.9	0.042	21.76
Max	3.4	3.6	90%	7.2	237.0	277.0	53.4	5.55	7.6	9.1	5.0	3.8	0.9	19	3.5	99.44%	99.60%	4.4	9.0	0.091	33.61
Min	2.3	2.4	60%	6.8	120.0	150.0	19.0	2.75	6.5	6.4	1.0	1.0	0.1	1	2.1	95.83%	98.05%	0.3	0.9	0.026	7.24
Permit Limits	N/A	4.0	N/A	N/A	N/A	N/A	N/A	N/A	6.0-9.0	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

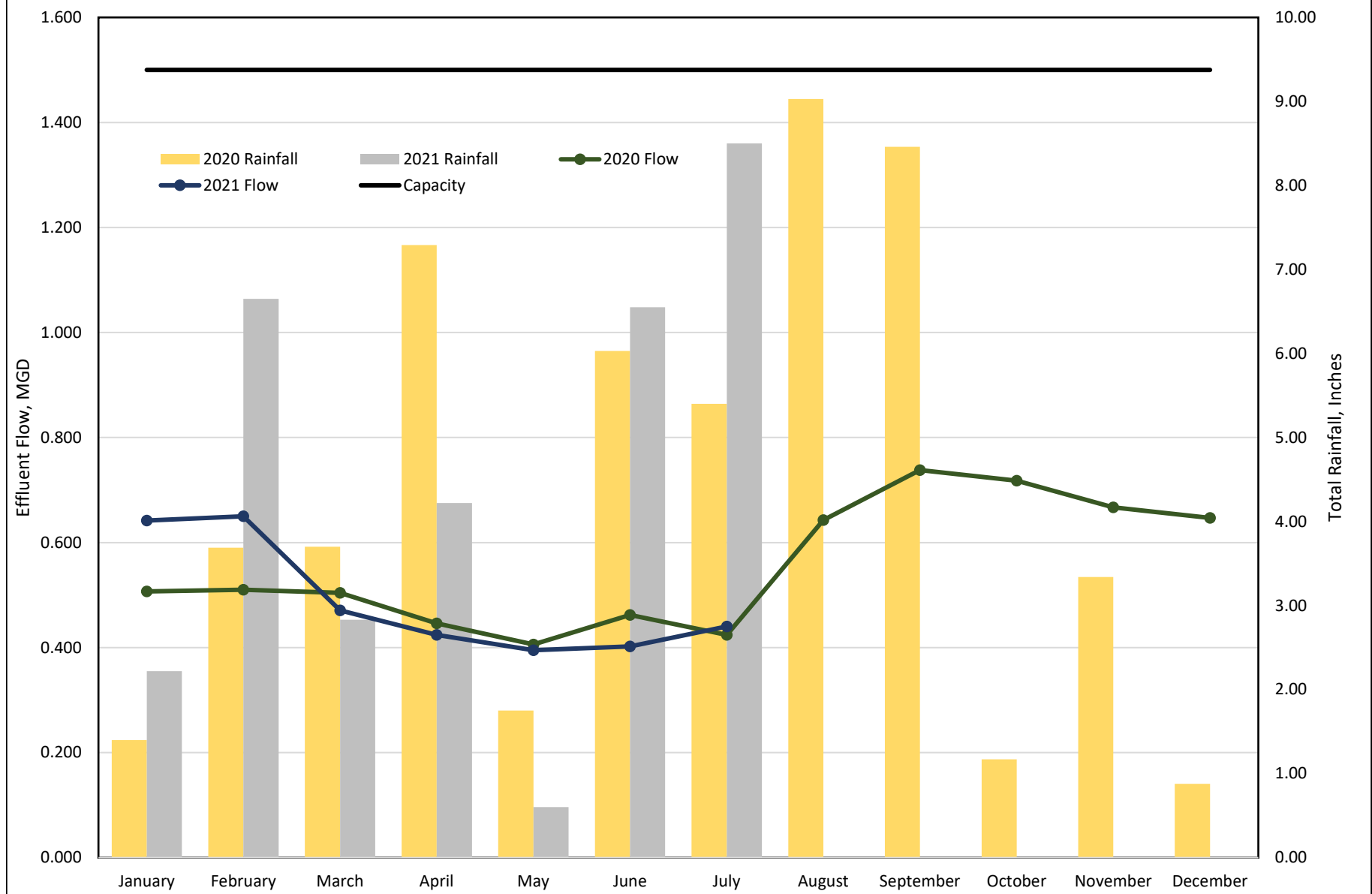
### Dunbar Creek Effluent Flow



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	BOD	TSS	NH3	Phos	pH	D.O.	BOD	TSS	NH3	Fecal	Phos.	BOD	TSS	Maximum			Total
					s.u.	mg/L	mg/L	mg/L	mg/L	s.u.	mg/L	mg/L	mg/L	mg/L	#/100 mL	mg/L	%	%	Inches			Inches
January 2020	0.439	0.507	34%	6.8	120	106	28.5	4.00	6.8	8.1	3.0	9.0	0.2	12	0.3	97.50%	91.51%	0.72	1.40	0.027	6.60	
February 2020	0.413	0.510	34%	6.8	112	130	24.0	2.95	7.0	8.0	3.0	8.0	1.7	21	0.2	97.32%	93.85%	1.16	3.69	0.012	3.73	
March 2020	0.408	0.504	34%	6.8	111	119	24.5	2.65	7.5	6.9	3.7	7.0	0.4	3	0.2	96.67%	94.12%	2.01	3.70	0.079	6.15	
April 2020	0.402	0.446	30%	6.6	137	189	23.3	3.60	6.9	8.1	4.9	6.6	0.3	2	0.1	96.42%	96.51%	1.96	7.29	0.014	0.00	
May 2020	0.384	0.406	27%	6.8	133	136	22.7	4.40	7.4	7.7	5.0	4.0	0.4	6	0.4	96.24%	97.06%	1.16	1.75	0.022	13.03	
June 2020	0.415	0.462	31%	6.7	147	185	21.8	4.50	7.2	7.2	6.0	4.0	0.3	21	0.5	95.92%	97.84%	2.16	6.03	0.065	0.00	
July 2020	0.395	0.424	28%	6.6	179	224	23.9	4.90	7.3	7.0	8.0	3.0	0.4	28	0.2	95.53%	98.66%	2.80	5.40	0.008	3.55	
August 2020	0.624	0.643	43%	6.7	85	138	13.8	5.45	7.3	7.3	6.0	4.0	0.2	32	0.2	92.94%	97.10%	3.75	9.03	0.056	6.92	
September 2020	0.733	0.738	49%	6.7	57	82	13.0	1.95	6.9	7.1	5.0	4.0	0.9	41	0.1	91.23%	95.12%	1.82	8.46	0.062	6.41	
October 2020	0.707	0.718	48%	6.8	70	80	31.4	2.80	7.4	7.5	4.0	3.0	0.5	18	0.2	94.29%	96.25%	0.42	1.17	0.054	9.14	
November 2020	0.675	0.667	44%	6.9	74	70	15.9	2.97	7.5	7.9	5.1	2.8	0.5	2	0.4	93.11%	96.00%	0.56	3.34	0.116	2.69	
December 2020	0.666	0.647	43%	7.0	91	105	19.0	2.80	7.5	8.4	4.0	3.0	0.4	2	0.3	95.60%	97.14%	0.82	0.88	0.059	0.00	
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	0.053	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	0.026	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	0.012	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	0.117	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	0.125	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	0.116	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	0.131	3.88	
August 2021																						
September 2021																						
October 2021																						
November 2021																						
December 2021																						
Average	0.504	0.531	35%	6.8	122.4	146.9	27.1	3.69	7.4	7.6	5.2	4.3	0.6	13	0.8	95.34%	96.67%	1.7	4.4	0.061	4.32	
Max	0.733	0.738	49%	7.0	233.0	239.0	53.8	5.45	7.9	8.6	8.0	9.0	2.3	41	3.1	97.50%	98.73%	4.8	9.0	0.131	13.03	
Min	0.384	0.395	26%	6.5	57.0	70.0	13.0	1.95	6.8	6.9	3.0	2.8	0.2	1	0.1	91.23%	91.51%	0.3	0.6	0.008	0.00	
Permit Limits	N/A	1.500	N/A	N/A	N/A	N/A	N/A	N/A	6.0-9.0	5.0	30.0	30.0	13.0	200	Report	85.00%	85.00%					

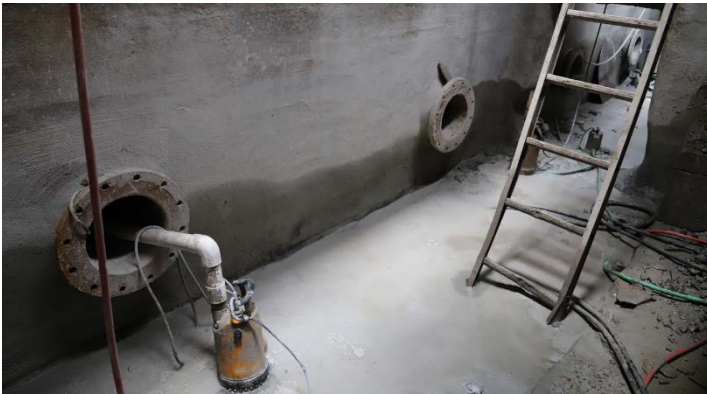
BOD - Biochemical Oxygen Demand  
TSS - Total Suspended Solids  
NH3 - Ammonia  
Phos - Phosphorus  
D.O. - Dissolved Oxygen  
TRC - Total Residual Chlorine  
Fecal - Fecal Coliform Bacteria

### South Port Effluent Flow



## Facility Construction Project Photos – August 2021

#702 (PHASE II) NMSI PHII PUMPSTATION 4035 & 4036 UPGRADES (24% - JANUARY 2022)



1. View of inside PS4035 wetwell – existing handrail is broken will need to be replaced or fixed.
2. View of inside PS4035 wetwell – existing walkway needs to be recoated to prevent additional corrosion to the existing concrete components and handrail to be reattached to walkway.
3. View of inside PS4035 wetwell - wall and piping penetration looks to be in a good condition in comparison to the walkway.
4. Construction progress meeting with team discussing the possible extra demolition activities.



## Facility Construction Project Photos – August 2021

#702 (PHASE III) NMSI PHIII FORCEMAIN RE-ROUTE (7% - FEBRUARY 2022)



1. Contactor using WDD BWK117/W near the intersection of Harry Driggers Blvd and Glyngo Parkway as laydown yard for construction equipment and various materials.
2. Various materials stored at the WDD BWK117/W laydown yard.
3. Bundles of 18-inch PVC forcemain piping staged along Harry Driggers Blvd.
4. Bundles of 12-inch PVC watermain piping staged along Harry Driggers Blvd.
5. Southbound view of established landscaping and Oak trees in front of the Fox Run Village.



## Facility Construction Project Photos – August 2021

#703 PUMPSTATION 4003 UPGRADES (93% - AUG 2021)



1. View of ongoing construction activities in the dry pit.
2. View of the wall piping penetrations in the dry pit.
3. View of the bottom of the wet well with stainless steel suction piping.
4. Harry Patel (JWSC Assistant Engineer) and team observing construction activities in wet well.
5. Northeast view of ongoing construction activities.
6. View of roof upblast exhaust fan with hood panel install.



## Facility Construction Project Photos – August 2021

### #704 CANAL ROAD TO GLYNCO 12-INCH WATER MAIN (32% - JULY 2021)



1. Approximately 2,194 out of 5,200 LF of 12-inch waterline installed to date by in-house staff. Final installation pending remaining piping delivery. HDD Precon to be scheduled with TB Landmark Inc.
2. Bundles of 12-inch PVC watermain piping stored at WDD South Harrington office.
3. Various fittings and construction materials stored at WDD South Harrington office.

### #804 MAGNOLIA WATER IMPROVEMENTS (CITY OF BRUNSWICK) (77% - OCTOBER 2021)



1. Final Phase 3 watermain on Tara Lane installed – final water service reconnection pending remaining material delivery and for contractor schedule substantial completion inspection.
2. Local bulldog resident proudly posing for newly installed fire hydrant installed on Peachtree Street.
3. View of ongoing paving and drainage construction activities on Poinsettia Circle.
4. View of ongoing paving and drainage construction activities at the intersection of Cherry Street and Formosa Circle.



## Facility Construction Project Photos – August 2021

#906 WATER POLLUTION CONTROL REHAB- ACADEMY CREEK WPCF (23% - MARCH 2022)



1. Various construction materials and equipment stored at the sludge dewatering and drying building.
2. Ongoing electrical conduit installation activities at sludge dewatering and drying building.
3. Ongoing forming activities at the effluent filters.
4. New 30' Odor Treatment System and stainless steel filter tubes stored near the effluent filters.
5. Ongoing demolition activities at the pre-aeration building.
6. Newly formed concrete foundation for Odor Treatment System next to the Headworks.



## Facility Construction Project Photos – August 2021

#2001 PS4105 BASIN EXPANSION/FORCE MAIN REROUTE & CIPP\* (2% - MARCH 2022)



1. Northbound view of PS4105 project site facing Winstead Drive.
2. Westbound view of PS4107 project site facing Cate Road.
3. Bio-Nomic Services Inc. contractor performing CCTV inspection at SSMH#40360090 along utility easement off Glyndale Drive.
4. View of existing flow approximately 18-feet deep at SSMH#40360090.

#2005 COASTAL CLUB APTS - PS4059 (COMP. AGREEMENT) (90% - AUGUST 2021)



1. View of newly installed chain link fencing with 16-foot wide dual swing access gate.
2. View inside PS4059 wetwell – two 6-inch HDPE discharge piping and 2-inch stainless steel pump guide rails.



## Facility Construction Project Photos – August 2021

### #2007 BERGEN WOODS OFFSITE FORCEMAIN (COMP. AGREEMENT) (0% - TBD)



1. **Comp. Agreement w/ planned Bergen Woods Apts. group for associated forcemain improvements; development plan change resulting in Comp. Agreement revisions.**
2. **Precon meeting held with Georgia Asphalt Producers and NTP pending piping delivery.**
3. **East bound view 8-inch forcemain route crossing location at the intersection of Cate Road and Golden Isles Parkway facing Gate Road Elevated Storage Tank.**
4. **North bound view of 8-inch forcemain route along the ditch near the entrance Public Safety Complexes.**

### #2009 SEA PALMS EAST WATER LINE REHAB (0% - TBD)



1. **Planned in-house construction effort by JWSC Water Distribution.**
2. **Anticipated 8-inch waterline rehab location along Palm Drive.**
3. **Anticipated 8-inch waterline rehab location along intersection of Alder Circle and North Windward Drive.**



## Facility Construction Project Photos – August 2021

### #2010 OAK GROVE FM & PS4132 IMPROVEMENTS (COMP. AGREEMENT) (0% - TBD)



1. Final bid-ready package under JWSC review.
2. Anticipated forcemain location crossing the large concrete driveway at 361 Oak Grove Island Dr.
3. Anticipated forcemain location crossing near cracked concrete headwall at 324 Oak Grove Island Dr.

### #2014 PS2002 FORCEMAIN REPLACEMENT (0% - TBD)



1. EOR addressing 60% comments and pending 90% package submittal for JWSC review.
2. West bound view of anticipated FM alignment along Arnold Road in front of Fiddlers Restaurant.
3. South bound view of anticipated FM alignment along the intersection of Demere Road and Arnold Road.



## Facility Construction Project Photos – August 2021

### #2016 ARCO AREA WATER & SEWER EXTENSIONS (0% - AUGUST 2022)



1. Plans complete. LDA permitting approved and EPD submission packets under review by local and state agencies.
2. Proposed extension location at the intersection on 6<sup>th</sup> Street and Treville Avenue.
3. Proposed extension location at the intersection on 10<sup>th</sup> Street and Dudley Street.

### #2020 COMMUNITY ROAD SEWER EXPANSION (0% - AUGUST 2022)



1. LDA permitting approved and EPD submission packets under review by local and state agencies.
2. Revising easement plat exhibits for land acquisition.
3. Anticipated sewer expansion location along Rose Drive.
4. Anticipated sewer expansion location along Newman Drive.



## Facility Construction Project Photos – August 2021

#2021 GALVANIZED REPLACEMENTS- SYSTEM WIDE (SELF-PERFORMED) (1% - JUNE 2022)



1. Postell Drive 2-inch Galvanized replacement Main tie-ins and services re-connections completed.
2. View of 2-inch Galvanized fittings removed from Postell Drive.
3. Alvin Hall (WDD Supervisor) thoroughly examining the galvanized water corrosion inside the fitting which is often caused by years of calcium and magnesium build-up.

#2027 PS4116 REHAB & FM UPGRADE (37% - OCTOBER 2021)



1. Michael Richardson (SPMD Lift Station Supervisor) and team attending construction progress meeting and observing ongoing construction activities at PS4116.
2. David DeLoach (Glynn County Division Manager) and team discussing remaining construction activities and possible time extension of 30 days for material delays at new animal control shelter to be served by PS4116.



## Facility Construction Project Photos – August 2021

#2028 METER REPLACEMENTS – YEAR 1 & 2 (INPROGRESS-TBD)



1. M&E Construction contractor conducting meter audit at the Magnolia Park Subdivision.
2. M&E Construction contractor notifying Golden Shores Mobile Home Park local resident about upcoming meter audit project.
3. A leaking water meter service buried inside tree roots at 1327 Magnolia Avenue (inside the resident's private fencing along Monck Street).
4. Jacob Ammons and Bob Ward (WDD Crew Members) removing existing water meter by heavy-duty battery power reciprocating saw and replacing with a new Neptune meter at the front of the resident property facing Magnolia Avenue.



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 (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	\$14,142,758	-\$566,085.00	\$13,576,673	\$7,439,859	\$6,136,799	-\$67,853	\$13,508,805	\$1,391,195	55%	9%	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												Final Construction progress closeout meeting 12/01/2020. Project completed and closeout.
	NMSI - PHII PS4035 & 4036 Upgrade	Jan 2022	Kline/Vo	JWSC	Thomas & Hutton/Four Waters Engineering, Inc.	Southern Civil, LLC															NTP 03/22/2021. Construction progress meeting 08/03/2021. PS4035 construction activities on going and anticipates to fully mobilize 2nd crew for PS4036 B&W Grade Road by end of August.
	NMSI - PHIII Force Main Reroute	Feb 2022	Kline/Vo	JWSC	Thomas & Hutton/Four Waters Engineering, Inc.	T B Landmark Construction Inc															NTP 04/01/2021. Meeting held with Contractor to discuss alternative routes 04/20/2021. Construction progress meeting 08/03/2021. Contractor staging materials/equipment and surveyor staking project layout - drilling to anticipated to start by end of August.
703	Lift Station 4003 Upgrades	May 2021	Kline/Patel	JWSC	Hussey Gay Bell	Petticoat-Schmitt Civil Contractors, Inc	\$0	\$0	\$3,300,000	\$3,300,000	\$2,299,789	\$0	\$2,299,789	\$2,056,463	\$243,326	\$3,589	\$2,303,378	\$996,622	89%	30%	Re-coring and installation of new link seals complete. MH and wet well coating in progress. 30-inch gravity main installed and tested. Electrical conduit/lighting panels/AC installation in progress.
704	Canal Road to Glynco 12-inch Watermain Loop	Jul 2021	Kline/Patel/Vo	JWSC	JWSC	JWSC	\$0	\$1,200,000	\$0	\$1,200,000	\$467,577	\$36,000	\$503,577	\$208,266	\$333,258	\$0	\$541,524	\$658,476	41%	58%	WDD In-house construction activities on-going. Approximately 2,200 LF installed to date and 3,000 LF remaining to be installed weathering permits. HDD Contract awarded to and executed by TB Landmark Construction, Inc. Option#1_\$206,890.00. HDD Pre-construction meeting scheduling in progress.
801	FEMA Hazard Mitigation-Academy Creek	TBD	Burroughs	Haggerty	TBD	TBD	\$3,188,000	\$0	\$0	\$3,188,000	\$71,183	\$0	\$71,183	\$65,623	\$8,860	\$163,747	\$238,230	\$2,949,770	92%	93%	ATS submittal approved and anticipated delivery mid-October. Comments provided back to engineer on 90% drawings for the generator project.
804	Magnolia Water Improvements (City of Brunswick)	Nov 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	\$1,439,190	\$489,121	\$0	\$1,928,311	\$ (228,311.00)	75%	-13%	City Project/Contract. Final Ph-3 Tara Lane Bac-T Testing passed 08/02/2021. Construction progress meeting 08/03/2021. Final service connections pending parts for WDD and Contractor to schedule substantial completion inspection.
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	\$3,928,184	\$7,550,967	\$50,107	\$11,529,258	\$5,112,048	35%	32%	Influent piping reroute complete. Preaeration basin demolition ongoing. Installation of filter mechanism underway. Odor control system delivered and pending installation to be schedule. Pending delivery of gates to RAS repiping and filter tie-ins.
2001	PS4105-4107 Basin Expansion/FM Reroute & 4036 CIPP*	Nov 2021	Kline/Vo	JWSC	Roberts Civil Engineering/JWSC	TBD/ Bio-Nomics Services, Inc.	\$1,000,000	\$485,000	\$0	\$1,485,000	\$1,005,134	\$0	\$1,005,134	\$43,850.00	\$961,284.00	\$0	\$1,005,134	\$479,866	4%	32%	Design Funds appropriated and divided into two sub-projects.
	PS4105-4107 Basin Expansion/FM Reroute	Nov 2021	Kline/Vo	JWSC	Roberts Civil Engineering	TBD			\$0	\$0		\$0	\$0		\$0	\$0	\$0	\$0			PS 4105-4107 and FM 90% comments submitted and meeting held with EOR 05/21/2021. Pending EOR to submit final bid-ready package for final review.
	Basin 4036 CIPP	Nov 2021	Kline/Vo	JWSC	JWSC	Bio-Nomics Services, Inc.			\$0	\$0		\$0	\$0		\$0	\$0	\$0	\$0			GDOT Bypassing meeting held and contractor working on traffic control package for permit approval 06/09/2021. Contractor mobilized and PreCCTV activities ongoing. Construction progress meeting held 08/09/2021.
2005	Coastal Club Apts. Offsite PS & FM Improvements*	Aug 2020/ April 2021	Kline/Vo	JWSC	Roberts Civil Engineering	Woodard Construction / Southern Civil LLC	\$0	\$228,000	\$0	\$228,000	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$228,000	0%	100%	Pump startup held 07/20/2021. Contractor addressing remaining punchlist items for final project completion.

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	(Original Approved Budget - Total Expenditures)	% PO Remaining	% Budget Uncommitted	Status
2007	Bergen Woods Offsite Forcemain Improvements*	Mar 2021	Kline/Patel	JWSC	Roberts Civil Engineering	Georgia Aphalt Producers	\$0	\$300,000	\$0	\$300,000	\$282,151	\$0	\$282,151	\$0	\$282,151	\$0	\$282,151	\$17,849	0%	6%	Four bids recieved and apparent low bidder Georgia Asphalt Producers \$282,151.00 06/08/2021. BOC approval on 06/17/2021. Contract executed. Pre-construction meeting held on 07/29/2021. Awaiting confirmation of pipe availability from contractor prior to issuing NTP.	
2009	Sea Palms East Water Line Rehab	TBD	Simmons	JWSC	JWSC	JWSC	\$0	\$0	\$178,595	\$178,595	\$5,380	\$0	\$5,380	\$5,380.00	\$0	\$1,156	\$6,536	\$172,059	100%	96%	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	0%		Applicant's re-zoning application under Glynn County review. Final Desing package submitted for JWSC review 08/06/2021.	
2011	LS 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	\$1,255,029	\$1,373,950	\$0	\$2,628,979	\$(628,979.00)	48%	-31%	38 panels online. Second set of 45 panels being installed by subcontractor. Integrator scheduled for 52 terminations beginning week of 09/20/2021.	
2014	PS 2002 FM Replacement	TBD	Burroughs	JWSC	T R Long	TBD	\$500,000	\$0	\$0	\$500,000	\$38,235	\$0	\$38,235	\$8,070	\$30,165	\$0	\$38,235	\$461,765	21%	92%	Design package essentially complete. Project on hold for bidding until following tourist season on SSI.	
2016	Arco Area Water and Sewer Extensions	Aug 2022	Patel	JWSC	Thomas & Hutton	TBD	\$0	\$300,000	\$0	\$300,000	\$388,340	\$0	\$388,340	\$254,465	\$133,875	\$0	\$388,340	-\$88,340.00	66%	-29%	Utility and E&S plans complete. LDA permitting complete and approved. EPD permitting water review inprogress and sewer review completed.	
2018	Meter Replacements	TBD	Roberts/Head	JWSC	JWSC	Delta Muncipal Supply/Neptune Technology	\$250,000	\$0	\$0	\$250,000	\$99,652	\$0	\$99,652	\$111,047	\$5,250	\$0	\$116,297	\$133,703	111%	60%	Project Complete.	
2020	Community Rd Sewer Expansion	Aug 2022	Patel	Hussey Gay Bell	JWSC	JWSC	\$0	\$250,000	\$0	\$250,000	\$280,916	\$0	\$280,916	\$165,669	\$115,247	\$0	\$280,916	\$(30,916.00)	59%	-12%	Utility and E&S plans complete. LDA permitting complete and approved. EPD permitting water review inprogress and sewer review completed. Easement exhibit revisions in progress. EOR looking into revising sewer layout to avoid major disruptions along Community Road.	
2021	Galvanized Replacements	TBD	Simmons	JWSC	JWSC	JWSC	\$250,000	\$0	\$0	\$250,000	\$100,573	\$0	\$100,573	\$93,356	\$26,125	\$383	\$119,864	\$130,136	93%	60%	Postell Drive replacement completed. Survey complete on Wesley Oaks Circle and preliminary wm route layout in progress by P&C. 1400 Block of Union Street under review for in-house replacement.	
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%	Project database under development. Drafting database and training progress meeting held 08/11/2021.	
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	\$19,350	\$479,149	\$0	\$498,499	\$0	4%	0%	Construction activities ongoing. HDD FM installation and testing completed. Awaiting electrical and misc. fittings delivery.	
2028	Meter Replacements - Years 1 and 2	June 2022	Roberts/Head	JWSC	JWSC	Delta Muncipal Supply/Neptune Technology	\$0	\$0	\$7,500,000	\$7,500,000	\$3,744,376	\$0	\$3,744,376	\$3,596,137	\$219,268	\$1,075	\$3,816,480	\$3,683,520	96%	6%	System wide GPSing and auditing ongoing. Large meter installations being scheduled.	
2107	Priority Basin Clean/CCTV						\$425,000	\$0	\$0	\$425,000	\$272,250	\$0	\$272,250	\$0	\$272,250	\$0	\$272,250	\$152,750	0%	#DIV/0!		



**Capital Projects Earned Value Analysis  
Financial Data as of 08/12/2021**

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	\$ 10,212,392.38	\$ 6,946,680.99	\$ 7,372,005.43	\$ (3,265,711.39)	\$ (425,324.45)	\$ 8,440,276.89	\$ 15,812,282.32	\$ (912,282.32)	<b>0.68</b>	<b>0.94</b>	<b>1.06</b>
703	PS 4003 Decommission and Gravity Sewer	Patel	JWSC	HGB	Pettitcoat-Schmidt Civil Contractors	\$ 3,300,000.00	\$ 2,303,378.00	\$ 2,266,986.14	\$ 2,060,051.69	\$ (3,123,468.40)	\$ 206,934.45	\$ 938,718.55	\$ 2,998,770.24	\$ 301,229.76	<b>0.98</b>	<b>1.10</b>	<b>0.83</b>
704	Canal Road to Glynco 12" Watermain Loop	Vo	JWSC	T&H	TB Landmark/JWSC	\$ 1,200,000.00	\$ 671,692.77	\$ 419,147.15	\$ 206,379.26	\$ (3,123,467.40)	\$ 212,767.89	\$ 384,475.56	\$ 590,854.82	\$ 609,145.18	<b>0.62</b>	<b>2.03</b>	<b>0.79</b>
801	FEMA Hazard Mitigation-Academy Creek	Burroughs	Haggerty	TBD	TBD	\$ 3,188,000.00	\$ 2,484,893.15	\$ 860,600.60	\$ 229,369.54	\$ (1,212,968.49)	\$ 631,231.06	\$ 620,304.62	\$ 849,674.16	\$ 2,338,325.84	<b>0.35</b>	<b>3.75</b>	<b>0.79</b>
804	Magnolia Water Improvements (City of Brunswick)	Kline/Vo	JWSC	City / EMC	Georgia Asphalt Producers	\$ 1,700,000.00	\$ 1,700,000.00	\$ 1,682,613.74	\$ 1,439,189.55	\$ (17,386.26)	\$ 243,424.19	\$ 14,870.99	\$ 1,454,060.54	\$ 245,939.46	<b>0.99</b>	<b>1.17</b>	<b>0.07</b>
906	Water Pollution Rehab-Academy & Dunbar	Burroughs	JWSC	GMC	Ruby-Collins, LLC	\$ 11,641,306.00	\$ 5,664,372.89	\$ 5,900,979.60	\$ 4,007,547.57	\$ 236,606.71	\$ 1,893,432.03	\$ 3,898,442.74	\$ 7,905,990.31	\$ 3,735,315.69	<b>1.04</b>	<b>1.47</b>	<b>0.75</b>
2001	PS 4105 Basin Expansion	Kline	JWSC	Roberts Civil Engineering	TBD	\$ 1,485,000.00	\$ 1,485,000.00	\$ 149,823.03	\$ 43,850.00	\$ (1,335,176.97)	\$ 105,973.03	\$ 390,777.78	\$ 434,627.78	\$ 1,050,372.22	<b>0.10</b>	<b>3.42</b>	<b>0.93</b>
2003	Sea Palms CIPP	Vo	JWSC	JWSC	TBD	\$ 561,795.00	\$ 561,795.00	\$ 561,795.00	\$ 233,594.50	\$ -	\$ 328,200.50	\$ -	\$ 233,594.50	\$ 328,200.50	<b>1.00</b>	<b>2.41</b>	<b>0.00</b>
2009	Sea Palms East Water Line Rehab	Simmons	JWSC	N/A	TBD	\$ 178,595.00	\$ 178,595.00	\$ 29,468.18	\$ 6,535.47	\$ (149,126.83)	\$ 22,932.71	\$ 33,073.44	\$ 39,608.91	\$ 138,986.09	<b>0.17</b>	<b>4.51</b>	<b>0.87</b>
2011	Lift Station SCADA Upgrades	Burroughs	JWSC	EMC	EMC	\$ 2,000,000.00	\$ 1,040,000.00	\$ 1,049,275.36	\$ 1,255,029.17	\$ 9,275.36	\$ (205,753.81)	\$ 1,137,153.50	\$ 2,392,182.67	\$ (392,182.67)	<b>1.01</b>	<b>0.84</b>	<b>1.28</b>
2014	PS 2002 FM Replacement	Burroughs	JWSC	TR Long	TBD	\$ 500,000.00	\$ 38,325.00	\$ 34,492.50	\$ 8,070.00	\$ (3,832.50)	\$ 26,422.50	\$ 108,911.95	\$ 116,981.95	\$ 383,018.05	<b>0.90</b>	<b>4.27</b>	<b>0.95</b>
2016	Arco Water and Sewer Expansion Engineering	Patel	JWSC	T&H	TBD	\$ 300,000.00	\$ 300,000.00	\$ 197,985.00	\$ 254,465.00	\$ (102,015.00)	\$ (56,480.00)	\$ 131,117.24	\$ 385,582.24	\$ (85,582.24)	<b>0.66</b>	<b>0.78</b>	<b>2.24</b>
2018	Meter Replacements	Roberts	JWSC	N/A	Delta Municipal Supply	\$ 7,750,000.00	\$ 3,046,116.50	\$ 2,148,500.00	\$ 3,708,348.75	\$ (897,616.50)	\$ (1,559,848.75)	\$ 9,668,287.42	\$ 13,376,636.17	\$ (5,626,636.17)	<b>0.71</b>	<b>0.58</b>	<b>1.39</b>
2020	Community Rd Area Water and Sewer Expansion	Patel	JWSC	HGB	TBD	\$ 250,000.00	\$ 250,000.00	\$ 164,987.50	\$ 170,924.00	\$ (13,690.48)	\$ (5,936.50)	\$ 88,071.38	\$ 258,995.38	\$ (8,995.38)	<b>0.66</b>	<b>0.97</b>	<b>1.08</b>
2021	Galvanized Replacements	Simmons	JWSC	N/A	JWSC	\$ 250,000.00	\$ 250,000.00	\$ 117,500.00	\$ 93,992.71	\$ (132,500.00)	\$ 23,507.29	\$ 105,991.78	\$ 199,984.49	\$ 50,015.51	<b>0.47</b>	<b>1.25</b>	<b>0.85</b>
2024	Master Plan Update	Burroughs	4Waters	N/A	N/A	\$ 247,500.00	\$ 247,500.00	\$ 246,975.00	\$ 244,670.00	\$ (525.00)	\$ 2,305.00	\$ 520.10	\$ 245,190.10	\$ 2,309.90	<b>1.00</b>	<b>1.01</b>	<b>0.19</b>
<b>TOTALS</b>						<b>\$ 49,452,196.00</b>	<b>\$ 30,434,060.69</b>	<b>\$ 22,777,809.77</b>	<b>\$ 21,334,022.64</b>	<b>\$ (7,656,250.92)</b>	<b>\$ 1,443,787.14</b>	<b>\$ 25,960,993.95</b>	<b>\$ 47,295,016.58</b>	<b>\$ 2,157,179.42</b>	<b>0.75</b>	<b>1.07</b>	<b>0.95</b>

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
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