

FRIPP ISLAND PUBLIC SERVICE DISTRICT

MEMORANDUM

TO: Edward D. Wetzel, Chairman  
Mike M. Murphy  
Rick E. Keup  
Michael J. Wilt  
Dennis Perrone  
John F. King

FROM: Yvonne Fireall *Yvonne*

SUBJECT: Commission Meeting July 11, 2023

DATE: July 7, 2023

The **June** Commission meeting is scheduled for **Tuesday, July 11, 2023 at 9:30 a.m.** **The meeting will be held in the training room at the Fripp Island Fire Department and electronically via Zoom. All attendees may elect to attend in person or via Zoom. Login/call-in information appears on the agenda.** The agenda and handouts are provided for your review.

Please let me know if you will be unable to attend the meeting.

Enclosures

C: Joshua Horton, Fire Chief  
Gary Pope, Jr., Esq.

FRIPP ISLAND PUBLIC SERVICE DISTRICT

Tuesday July 11, 2023  
Fripp Island Fire Station  
and  
Electronic Meeting Via Zoom  
9:30 a.m.

Zoom Info:

Join from PC, Mac, Linux, iOS or Android:

<https://us02web.zoom.us/j/86565978745>

Or iPhone one-tap (US Toll): +19292056099,,86565978745#  
+13017158592,,86565978745#

Or Telephone:

Dial: +1 301 715 8592 (US Toll) or +1 312 626 6799 (US Toll)

Meeting ID: 865 6597 8745

AGENDA

1. Call to Order
  - Confirmation of the presence of a quorum
  - Confirmation of public meeting notice, as required by the SC Code of Laws *30-4-80(A)*.
2. Pledge of Allegiance
3. Approval of June Commission Meeting Minutes
4. Reports
  - Manager's Report for June 2023
  - Fire Department Report for June 2023
  - Report on POA Shoreline Committee Activities
5. Old Business
  - Blue Heron Lake Spillway update
  - Bond referendum status update
  - Projects status review (attached)
6. New Business
  - Appointment of Edward Wetzel as Interim District Manager
  - Appointment of Yvonne Fireall as Commission Secretary
  - Authorization of Rob Singletary to submit reports to State of SC on behalf of FIPSD
7. Questions and Comments from Visitors
  - FIPOA Representative
8. Executive Session
  - Personnel Matters
9. Adjourn

## FRIPP ISLAND PUBLIC SERVICE DISTRICT

**Minutes:** Commission Meeting on June 13, 2023

**Present:** Edward D. Wetzel, Rick E. Keup, Mike Murphy, Michael J. Wilt, John F. King, Dennis Perrone

**Absent:**

**Staff:** Angie Hughes, District Manager; Joshua Horton, Fire Chief; Yvonne Fireall, Office Manager

**Guests:** Gary Nizzi

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1. Chairman Wetzel called the meeting to order at 9:30 a.m., confirmed the presence of a quorum and confirmed that all requirements of the SC Code of Laws, Section 30-4-80, pertaining to the notice of meetings of public bodies, have been met for this meeting.
2. Chairman Wetzel led the Commission in the Pledge of Allegiance.
3. Chairman Wetzel immediately convened the public hearing for the fiscal year 2024 budgets. Chairman Wetzel opened the floor to public comments. There being no comments from the floor or written comments submitted, Chairman Wetzel concluded the hearing.
4. The Commission approved the minutes for the May regular Commission Meeting upon a motion by, Mr. Wilt (Vote: unanimous).
5. Reports
  - a) The Commission reviewed the Manager's Report for May 2023 (*Att A*)
    - a. The Commission reviewed the March 31, 2023 Unaudited Financial Statements (*Att B*)
    - b. The Commission reviewed and discussed the Fripp Inlet Bridge Special Inspection report – 1 (*Att C*)
    - c. The Commission reviewed and discussed the General Obligation Bond Financing Calendar (*Att D*)
  - b) The Commission reviewed the Fire Department Report for May 2023. (*Att E*)
  - c) The Commission received a report on POA Shoreline Committee activities from Commissioner King.
6. Old Business
  - a) The Commission adopted a resolution approving the fiscal year 2023-2024 annual budget of the Fripp Island Public Service District, prescribing and imposing the tax levy necessary therefore, and matters related thereto, upon a motion by, Mr. Murphy (Vote: unanimous) (*Att F*)
  - b) The Commission adopted water and sewer rates for the fiscal year starting July 1, 2023 and ending June 30, 2024, upon a motion by, Mr. Keup (Vote: unanimous) (*Att G*)
  - c) The Commission reviewed and approved Invoice Cloud's multi-year contract for utility bill payment and presentment services upon a motion by, Mr. Murphy (Vote: unanimous) (*Att H*)

7. New Business

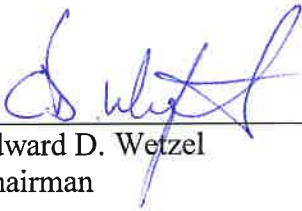
a) The Commission discussed and approved the First Tryon Advisors FAS Agreement Work Order #4 in connection with the GO Bond referendum and related bond issuance upon a motion by, Mr. Keup (Vote: unanimous) (*Att I*)

b) The Commission reviewed and approved the Utility Service Group Tank Maintenance Contract Addendum upon a motion by, Mr. King (Vote: unanimous). (*Att J*)

8. The Commission entertained questions and comments from visitors.

9. The Commission entered executive session to discuss Personnel Matters - Compensation & Benefits at 10:07 a.m. upon a motion by, Mr. Murphy (Vote: unanimous). The Commission resumed open session at 11:25 a.m. upon a motion by, Mr. Murphy (Vote: unanimous).

9. There being no further business, the meeting adjourned at 11:25 a.m., upon a motion by Mr. Murphy (Vote: unanimous).



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Edward D. Wetzel  
Chairman



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Yvonne M. Fireall  
Secretary

**FRIPP ISLAND PUBLIC SERVICE DISTRICT  
MANAGER'S REPORT FOR JUNE 2023**

I. Tap-Ins

<u>Category</u>	FY 2023		FY 2022		FY 2021	
	<u>June</u>	<u>YTD</u>	<u>June</u>	<u>YTD</u>	<u>June</u>	<u>YTD</u>
Water customers	1	31	0	30	6	24
Res Irrig customers	-	1	-	-	-	-
Sewer customers						
a. Gravity	1	24	0	20	-	9
b. Vacuum	-	7	-	8	6	14

Total vacuum sewer customers: 594 of 727

II. Routine Operations

1. Butcher's Island and Hunting Island Booster Pumps Average Daily Run Time for June

	<u>2023</u>	<u>Diff</u>	<u>2022</u>	<u>Diff</u>	<u>2021</u>	<u>Diff</u>	<u>2020</u>
Butcher's Isl Pumps Hrs/Day	7.0	(4.0)	11.0	(0.2)	11.2	0.5	10.7
Hunting Isl Pumps Hrs/Day	<u>13.9</u>	<u>(8.2)</u>	<u>22.1</u>	<u>(0.4)</u>	<u>22.5</u>	<u>1.2</u>	<u>21.3</u>
Total Hrs/Day	20.9	(12.2)	33.1	(0.6)	33.7	1.7	32.0

2. Fripp Island Master Metered Water Use for June, Average Gallons per Day

	<u>2023</u>	<u>% Change</u>	<u>2022</u>	<u>% Change</u>	<u>2021</u>	<u>% Change</u>	<u>2020</u>
BJW&SA	767,161	(7.5)	829,286	(1.8)	844,848	0.6	839,688
Harbor Island	122,690	7.1	114,571	(2.6)	117,645	7.9	109,041
Hunt Island	14,800	1.1	14,643	(14.2)	17,061	(70.9)	58,616
Fripp Island	620,000	(8.3)	676,107	(3.8)	703,030	7.4	654,313
Accountability,%	98.7	N/A	97.1	N/A	99.2	N/A	97.9
Rainfall, Inches	2.8		2.8		2.9		5.7

3. Fripp Island Water Consumption – Recorded vs. Billed (in 1,000 gals.)

	<u>Annual</u>	<u>Qtr 2</u>	<u>Qtr 1</u>	<u>Qtr 4</u>	<u>Qtr 3</u>
	<u>Total</u>	<u>2023</u>	<u>2023</u>	<u>2022</u>	<u>2022</u>
Fripp Master Meter	165,663	48,488	26,235	34,233	56,707
Billed Water	<u>153,110</u>	<u>44,705</u>	<u>23,520</u>	<u>32,145</u>	<u>52,740</u>
Total Unbilled Water	12,553	3,783	2,715	2,088	3,967
Unbilled Water Percent	8%	8%	10%	6%	7%
Flushing/Unbilled Accts	<u>459</u>	<u>0</u>	<u>51</u>	<u>170</u>	<u>239</u>
Unaccounted for Water	12,094	3,783	2,664	1,919	3,728
Unaccounted for Percent	7%	8%	10%	6%	7%

4. The water tank levels and water line pressures were normal for June.

5. Wastewater Treatment Plant Flow for June, Gallons per Day

	<u>2023</u>	<u>% Change</u>	<u>2022</u>	<u>% Change</u>	<u>2021</u>	<u>% Change</u>	<u>2020</u>
Average Daily Flow	337,874	8.3	312,033	(7.1)	335,997	(6.2)	358,159
Weekly Max Flow	351,000	7.0	328,000	(8.6)	359,000	(6.8)	385,000
Peak Daily Flow	373,065	5.5	353,652	(8.3)	385,746	(8.1)	419,953

Peak daily flow of 373,065 gallons occurred on Thursday (6/15) without rain. For June 2022, peak daily flow occurred on Thursday (6/30) with 1.2" of rain. For June 2021, peak daily flow occurred on Saturday (6/26) without rain.

6. The water system and wastewater treatment plant samples were satisfactory for June.

### III. Emergencies, Special Field Work and Activities

#### 1. Water System Activities & Projects

- a) Beaufort County remained at "Normal" drought status throughout June.
- b) Field operators performed miscellaneous water system maintenance consisting of meter installations and replacements and repairing water lines and services.
- c) June 20- Replaced backup battery at Hunting Island BPS.
- d) June 19-21- Read meters for quarterly billing
- e) Development of a lead service line inventory, as required by the EPA's lead and copper rule revision, is underway. The deadline for completion of the inventory is October 16, 2024.
- f) Further action on implementation of AMI has been delayed to allow time for additional research and analysis of options.
- g) Blue Heron Lake Dike Spillway – Construction of access road to begin this week (contract with CBG, Inc. attached).

#### 2. Wastewater System Activities & Projects

- a) Cleaning and repair of air diffusers in sludge tank
- b) Field operators performed miscellaneous sewer system maintenance consisting of line repairs and tie-in inspections.
- c) LEC is working to revise the CJFV sewer rehab study and cost estimate based on information gathered during the CCTV of the lines. The revised study should be available later this month.
- d) Blue Heron Lake POA Footbridge Sewer Force Main Relocation – Surveying is being conducted in preparation for design engineering and permit applications.

#### 3. Administrative & Personnel Activities

- a) Transition to cloud-based financial software is ongoing as time permits.
- b) Still awaiting response from BJW&SA re: updated customer communications protocol.
- c) Rob Singletary began work as Superintendent of Field Operations on June 27.

#### 4. Fripp Inlet Bridge

- a) Commissioners Murphy and King have been in discussions with JMT and McSweeney Engineers re: bent replacements and armoring of embankment (part of upcoming Bond Referendum).

#### 5. Erosion

- a) McSweeney Engineers submitted the annual revetment assessment report on June 27, 2023 (attached)

#### 6. Miscellaneous Activities

- a) Seaglass Development – Working with Hanna Engineering on pump station improvements.
- b) 2023 General Obligation Bond – Public Hearing for referendum has been rescheduled by Beaufort County to August 14. Commissioner Wetzel will attend.
- c) GIS Mapping – Russell is working with SCRWA on final edits to mapping.

***Fripp Island Fire Department  
Monthly Report Summary  
June 2023***

**Response Activities:**

Total emergency responses for June; 47

	June 2023	June 2022	YTD CY23	YTD CY22
• Structure Fires	00	01	00	01
• Vehicle Fire	01	00	01	00
• Medical Emergencies	28	25	78	77
• Brush Fires	01	00	02	00
• Misc. Fire	03	06	09	16
• Service Calls	07	04	27	12
• Mutual Aid	02	02	05	04
• Auto Accident	02	02	06	05
• Water Emergencies	03	06	04	07
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	47	46	132	122

**Average emergency response time:**

6 minutes 17 seconds.

**Roster:**

Total personnel active for June, 21

**Activities of Note:**

On June 14<sup>th</sup> using our 6-wheeler I removed the palmetto trees on top of the collapsed Blue Heron Marsh Crossing so the engineers could have a better opportunity to inspect it the next morning.

A calls for service analysis was done, results and summary attached



Joshua E. Horton  
Fire Chief

291 Tarpon Blvd.  
Fripp Island, SC 29920  
[joshhorton@fipsd.org](mailto:joshhorton@fipsd.org)

Work: 843-838-4085  
Fax: 843-838-4383

Call for Service Study  
By Month, Day of the Week and Hours Comparison  
January 1, 2020 thru December 31, 2022

Looking for data to support a shift in full time members work schedule, I looked at the previous three calendar years. I compared days of the week and hours from 0000-1159 and 1200-2359. I found the busiest day was Wednesday strangely enough and the second most was Saturday, which I figured, would have been the busiest. The slowest day of the week was Friday. I concluded that Wednesday was the middle on the vacation week. Vacationers had gotten comfortable enough to “cut loose” leading to more exposure for calls for service. Also no surprise, the busiest months were May thru August. These four months accounted for 57% of the combined 3 years totals.

1/1/20 - 12/31/22	0000-1159	1200-2359	TOTAL
SUNDAY	25	50	75
MONDAY	21	45	66
TUESDAY	26	50	76
WEDNESDAY	32	55	87
THURSDAY	25	47	72
FRIDAY	18	44	62
STAURDAY	24	57	81
			519

	2020	2021	2022	T		
JAN	5	4	7	16		
FEB	10	10	13	33		
MAR	10	11	11	32		
APR	12	9	8	29		
MAY	24	17	24	65	12.50%	57%
JUN	24	31	38	93	17.90%	
JUL	25	27	21	73	14.10%	
AUG	27	24	14	65	12.50%	
SEP	9	10	7	26		
OCT	16	7	4	27		
NOV	9	20	8	37		
DEC	7	9	7	23		
Total	178	179	162	519		



C

**THIS CONTRACT IS SUBJECT TO ARBITRATION PURSUANT TO S.C. CODE ANN. §15-48-10.**

**CBG, INC. PROPOSAL**

**DATE:** July 5, 2023

**PROJECT:** Construction Easement to Spillway



**OWNER:** Fripp Island Public Service District

**ADDRESS:** 291 Tarpon Boulevard

Fripp Island, SC 29920

CBG, Inc. submits this proposal for the services described below. If accepted, this document becomes the contract between CBG, Inc. and the Owner. **THIS PROPOSAL MUST BE ACCEPTED WITHIN 10 DAYS OF THE DATE OF THE PROPOSAL, OTHERWISE, IT IS VOID.**

1. **Contract Sum:** CBG, Inc. agrees to perform the scope of work described below pursuant to the terms of this Proposal for the price of \$ 46,730.00.
2. **Scope of Work:** CBG, Inc. shall provide all labor, materials, equipment, and other necessary items to perform the work per attached proposal dated 3/27/2023.
3. **Payments:** CBG, Inc. shall submit monthly payment applications based on a schedule of values. Within 15 working days of receipt of payment applications, Owner shall make progress payments in an amount equal to 90 percent of the values of the labor and material incorporated in the work (with the balance being retainage), less the aggregate of previous payments. Owner shall pay the remainder of the contract price within 15 working days of completion of all work and acceptance of applicable authorities.
  - (a) Owner acknowledges materials may be stored onsite and agrees to pay for stored materials as per the application for payment.
4. **Completion of Work:** The date of commencement shall be the date CBG, Inc. receives a written notice to proceed. CBG, Inc. shall endeavor to complete the work within 120 days of the notice to proceed; however, inclement weather and other events beyond CBG, Inc's control may extend the time for completion. The completion date shall be extended for each day the work is delayed by events beyond CBG, Inc's control.
5. **Changes:** Owner may request changes in the scope of work and CBG, Inc. may, at its option, agree to perform the changes. All changes agreed to by both parties shall be evidenced by written change order. CBG, Inc. is not required to accept Owner changes.

Owner Initials   
 CBG, Inc. Initials 

6. **Differing Site Conditions:** It is the Owner's responsibility to investigate and determine the suitability of the site. Absent information to the contrary, CBG, Inc. may assume that the site is suitable for the work to be performed and that the soil is suitable for the grading activities and other work to be performed. CBG, Inc. shall not be responsible for any site investigations. If CBG, Inc. encounters any conditions different from those anticipated and incurs additional costs in dealing with the changed conditions, the Owner shall be responsible for the additional cost.
7. **Termination: Either party may terminate the contract for cause upon seven (7) days written notice.** The Owner's failure to pay for the work performed within 30 days of receipt of payment application shall be deemed a material breach.
8. **Waiver of Consequential Damages:** The parties waive claims against each other for any and all consequential damages arising out of or relating to this contract, including consequential damages arising from termination by either party.
9. **Dispute Resolution:** All claims, disputes, and other issues arising out of or relating to this agreement shall be decided by arbitration. If the parties do not agree otherwise, the arbitration shall be conducted pursuant to the American Arbitration Association of Construction Industry Rules. CBG, Inc. may protect its mechanic's lien rights and all rights under the mechanic's lien statutes are preserved without waiving its right to arbitration. In any dispute arising under this agreement, the prevailing party, as determined by SC Code Ann. §29-5-10, shall be entitled to recover its attorney's fees and cost. On any claim by CBG, Inc. for amounts due under this contract, CBG, Inc. shall be entitled to interest on the amount found to be due at the rate of 1% per month from the date CBG, Inc. requested payment.
10. **Indemnification:** To the fullest extent permitted by law the Contractor shall indemnify and hold harmless the Owner, Architect, Architect's consultants, and agents and employees of any of them from and against claims, damages, losses and expenses, including but not limited to attorneys' fees, arising out of or resulting from performance of the Work, provided that such claim, damage, loss or expense is attributable to bodily injury, sickness, disease or death, or to injury to or destruction of tangible property (other than the Work itself), caused in whole or in part by the negligent acts or omissions of the Contractor, a Subcontractor, anyone directly or indirectly employed by them or anyone for whose acts they may be liable, regardless of whether or not such claim, damage, loss or expense is caused in part by a party indemnified hereunder. Such obligation shall not be construed to negate, abridge, or reduce other rights or obligations of indemnity that would otherwise exist as to a party or person described in this Section.

In claims against any person or entity indemnified under this Section by an employee of the Contractor, a Subcontractor, anyone directly or indirectly employed by them or anyone for whose acts they may be liable, the indemnification obligation under this Section shall not be limited by a limitation on amount or type of damages, compensation or benefits payable by or for the Contractor or a Subcontractor under workers' compensation acts, disability benefit acts or other employee benefit acts.

Owner Initials tm  
CBG, Inc. Initials cm

**11. Miscellaneous:**

- (a) Owner certifies that it has obtained all necessary permits, surveys, easements, encroachments, or other authorizations necessary for CBG, Inc.'s work to be performed. Owner agrees to indemnify, defend, and hold CBG, Inc. harmless from any and all claims, fines, penalties, damages, and any other adverse consequences that may arise from the Owner's failure to have all necessary permits, easements, encroachments, or other authorizations required. This indemnity obligation does not apply to any permit, surveys, easement, encroachment, or other authorization that CBG, Inc. has specifically, in writing, agreed to obtain.
- (b) CBG, Inc. shall not be responsible for damage to its work by others or for maintenance and repair of its work after it leaves the site. Owner acknowledges CBG, Inc. is not responsible for additional grading, grassing, or soil stabilization upon completion of the project. Further, Owner acknowledges CBG, Inc. is not responsible for sedimentation in storm drainage pipes that occurs after CBG, Inc. leaves the site or for maintenance of silt fencing after proper installation. CBG, Inc. is not responsible for any cleaning or repairing of drainage system or soil erosion after its work is completed.
- (c) Owner warrants that all material onsite shall be suitable fill material and any additional cost incurred by CBG, Inc. because of unsuitable material will be the Owner's responsibility.
- (d) Owner is responsible for scheduling and payment of all surveying required to locate clearing limits, centerline of roadway, drainage easements, property corners, and lot corners.
- (e) All utilities shall be stubbed to within plus or minus 5 feet of the property line, connection is to be made by others.
- (f) CBG, Inc. is not responsible for locating water, sanitary sewer, storm drain, or communication lines. CBG, Inc. will supply the project engineer with as-built information on the water, sanitary, sewer, and storm drainage lines upon completion.
- (g) CBG, Inc. will not repair damaged water, sanitary sewer, or storm drainage lines when damages were not caused by CBG, Inc. until receipt of written change order and all repairs will be charged on a time and material basis.
- (h) All cut/fill material, and topsoil that is not required for this site will be removed at CBG, Inc.'s expense. At CBG, Inc.'s discretion, fill material, and topsoil may be stockpiled onsite or removed at any time during the project.
- (i) To the extent any terms of this contract conflict with the plans and specifications provided by the Owner, the terms of this contract shall control.

Owner Initials pm  
CBG, Inc. Initials CBG

(j) The cost of asphalt may be adjusted per SCDOT "WORKSHEET FOR DETERMINING FUEL AND ASPHALT BINDER INDEX ADJUSTMENTS" using a base index date of March 1, 2023

(k) This Proposal contains all agreements between the parties and all prior negotiations are merged into this agreement.

**CBG, Inc.**  
500 Frontage Road  
Gaston, SC 29053

**Fripp Island Public Service District**  
291 Tarpon Boulevard  
Fripp Island, SC 29920

C. M. [Signature] 7-5-23  
Signature Date

Thomas M. Murphy 7/5/23  
Signature Date

C. B. Galloway Jr.  
Name

Thomas "Mike" MURPHY  
Name

President, CBG, Inc.  
Title

Vice-Chairman  
Title

Owner Initials \_\_\_\_\_  
CBG, Inc. Initials \_\_\_\_\_



**CBG, Inc**  
**500 Frontage Road**  
**Gaston, SC 29053**

**Ph (803) 791-8457**  
**Fax (803) 791-3655**

<b>To:</b> Fripp Island Public Service District	<b>Contact:</b> Angie Hughes
<b>Address:</b> 291 Tarpon Boulevard Fripp Island, SC 29920	<b>Phone:</b> (843) 541-0092
	<b>Fax:</b>
<b>Project Name:</b> Construction Easement To Spillway	<b>Bid Number:</b>
<b>Project Location:</b> Porpoise Drive, Fripp Island, SC	<b>Bid Date:</b> 3/27/2023

Item #	Item Description	Estimated Quantity	Unit	Unit Price
	Clear & Grub Area (Approximately 15'x600')	1.00	LS	\$9,700.00
	Removal Of 4 Large Trees (3 Pines & 1 Oak)	1.00	LS	\$500.00
	Remove All Debris & Properly Dispose Of	1.00	LS	\$3,600.00
	Out & Fill To Establish Positive Drainage / Compact Existing Fill	1.00	LS	\$3,200.00
	Import, Place & Compact 4" Of Stone Base (Approximately 300 Tons)	1.00	LS	\$29,730.00

**Total Base Bid Price: \$46,730.00**

**Unit Price**

Import Fill Material (If Required) - Unit Price 1.00 LOAD \$285.00

**Notes:**

- The above prices do not include the following items:
  - ~Performance and Payment Bond. Add 3% if bond is required
  - ~Tap & Impact Fees
  - ~Permits
  - ~Landscaping and/or permanent grassing
  - ~Concrete sidewalks or concrete flatwork
  - ~Signage
  - ~Any other items that are not listed above
- This proposal is based on the review and takeoff of the Civil Drawings Only that have been issued for Bidding purposes.
- CBG, Inc. pricing shall escalate for all items of work based on SCDOT "WORKSHEET FOR DETERMINING FUEL AND ASPHALT BINDER INDEX ADJUSTMENTS" until thirty days from bid date listed above. After this date, pricing on uncompleted work will be re-evaluated by CBG, Inc.®
- Acceptance of proposal - The above prices specification and conditions are satisfactory and are hereby accepted. You are authorized to do the work as specified. Payment will be made by monthly estimates, net 30 days. This proposal is considered void if not accepted and / or the above proposed work has not commenced within 30 days. Payment terms will be set contract

<p><b>ACCEPTED:</b>          The above prices, specifications and conditions are satisfactory and hereby accepted.</p> <p><b>Buyer:</b> <u>Fripp Island Public Service District</u></p> <p><b>Signature:</b> <u>Angie Hughes, District Manager</u></p> <p><b>Date of Acceptance:</b> <u>4/11/2023</u></p>	<p><b>CONFIRMED:</b>  <b>CBG Inc.</b></p> <p style="text-align: right;"><i>Benjamin Godley</i></p> <p><b>Authorized Signature:</b></p> <p><b>Estimator:</b> Benjamin Godley          (803) 791-8457 <a href="mailto:bgodley@cbgsitework.com">bgodley@cbgsitework.com</a></p>
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June 27, 2023

Mr. Mike Murphy,  
Fripp Island Public Service District  
291 Tarpon Blvd.  
Fripp Island, SC 29920

Dear Mr. Murphy,

On June 26, 2023 McSweeney Engineers conducted a routine assessment of the Fripp Island Public Service District Revetment. This assessment followed receipt of detailed land survey information provided by RPA Land Surveying dated May 30, 2023. The land survey information presented elevation and cross section information to be used as a comparison with previous surveys. The cross sections obtained from the previous surveys were overlaid on one another to make a direct comparison and evaluate the overall condition and changes with the revetment. The visual on-site inspection was conducted to ascertain detailed conditions that were not readily depicted in the land survey.

The following brief narrative provides a summary of notable findings, commentary, and recommendations for follow-up action.

#### Notable Findings

1. In general, there have been no significant changes to the extent or height of the revetment.
2. Evidence of water coming through the revetment was noted in isolated areas between Sta. 9+00 and 11+50. Please refer to Photograph 1 and 2.
3. Minor erosion of the revetment backslope adjacent to Porpoise Drive was noted between Sta. 13+00 and 14+00. Please refer to Photograph 3 and 4.
4. From Sta. 17+00 to 20+00 the filter fabric was exposed in isolated areas and there is evidence of water coming through the revetment. Please refer to Photograph 5 and 6.

#### Commentary and Recommendations

A vast majority of the PSD revetment has remained relatively unchanged since the revetment repair project was completed in early 2018.

Evidence of water coming through the revetment, exposed filter fabric, and deposited sand on Porpoise Drive are conditions that have been documented since construction of the revetment was completed. During periods of high water, the elevation of the waterline is above the elevation of the roadway. This, coupled with the fact that revetments are porous by nature, leads to shallow coastal flooding. As noted in previous studies, possible remedies for this are the installation of an impermeable barrier (flood wall) or by raising the elevation of the roadway.

300 W. COLEMAN BLVD. STE 203B  
MT. PLEASANT, SC 29464  
(843) 974-5621

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



The minor erosion between Sta. 13+00 to 14+00 is located on the revetment backslope adjacent to Porpoise Drive. This erosion does not currently impact the stability or function of the revetment; however, we recommend this condition be monitored during future inspections. There are no repair recommendations at this time.

Very truly yours,

A handwritten signature in black ink that reads "William D. Barna". The signature is written in a cursive style with a large initial "W".

William D. Barna, P.E.

300 W. COLEMAN BLVD. STE 203B  
MT. PLEASANT, SC 29464  
(843) 974-5621

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Photograph 1: Water coming through revetment near Sta. 10+00



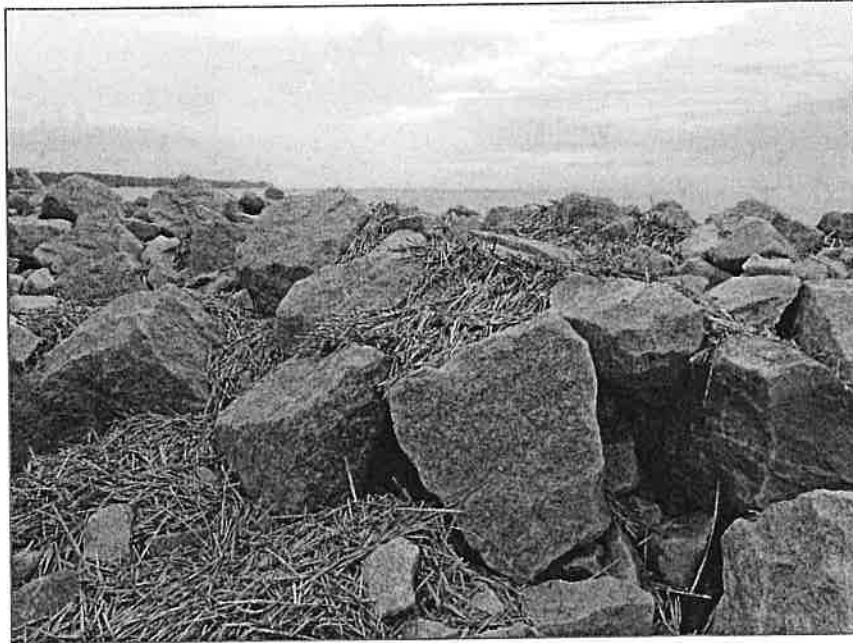
Photograph 2: Exposed filter fabric near Sta. 10+00



Photograph 3: Minor erosion of the backslope adjacent to Porpoise Drive, near Sta. 13+50



Photograph 4: Minor erosion of the backslope adjacent to Porpoise Drive, near Sta. 13+50



Photograph 5: Evidence of overtopping, near Sta. 18+00



Photograph 6: Exposed filter fabric and water coming through the revetment, near Sta. 19+50

PSD Meeting of 7/11/23

#### Status of PSD Projects

##### 1. Captain John Fripp Villas Sewer System

Study completed-Low Country working on a Feasibility Study to be ready at the end of July.

##### 2. Deer Lake Sewer Force Main Relocation

Survey Complete-Low Country to begin Design and notification of homeowners

##### 3. Blue Heron Lake Dam and Spillway

Met with SWWC (SS FM) on site twice and by Phone.

John and I had a conference call with SWWC (Becky Dennis and Mike Agin) on 7/6 to go over the

SS Piping and W piping in the Spillway area. We feel it will be in the way of the Demo, Sheeting, and new construction. SWWC wants to meet with Carroll Enterprises (Directional Pipe Boring) to get feasibility and pricing of using this technology for moving the SS Piping out of the way. We are interested also if we need to.

Both parties will meet with the Contractor when his schedule will allow. If next week John is open.

Preliminary plan in the works -Low Country to take information we have and create design for demo and new construction of the Spillway.

CBG started Temporary access road on 7/6-Probably 1 ½ weeks to complete.

Have Contacted Contractors Malphrus and CBG for Spillway Project

##### 4. Revetment on Porpoise Armor Stone

McSweeney-Submitted their report on June 27-Discussion in PSD Meeting to determine if any action is required at this time?

##### 5. Fairway Club Sewer Force Main

Repaired and Patch paved in house-Look to Replace FM in 10 years?

##### 6. 200K Gallon Recoating

Discussed in last meeting-USG Water to schedule the work

Contacted USG Water about GM/Angie leaving.

Gave them my contact info and confirmed that Russel is still their contact for construction.

##### 7. GIS Mapping of Water/Wastewater Systems

Blake Farrell with SCRWAT Sent the plans in in June.

Blake and Russel have communicated about changes. Russel will handle this unless we are needed.

#### 8. Bridge Bent Retrofits

JMT Thai Trinh-Talked to Thai about proceeding with design process. We have Executed the proposal.

We must have the Water Piping Inspected by October 2,2023 on Both the Johnson Creek Bridge and the Fripp Bridge. We have sent an email to Thai Trinh to see if they are interested and Pricing.

#### 9. Bridge Abutment Protection

McSweeney engineering-Bill Barna-Discussed them doing this part of the Project

Expecting receiving the "Proposal" shortly.

On 8 and 9 Talked to Thai and Bill about them working together on this project and needing a One Contractor Bid for both sections.

#### 10. Sea Glass

Developer Engineer wants to do a site visit to survey the supposed Tie in Points. Russel to coordinate this visit in late July.

Mike Murphy and John King

Project Commissioners