



DADE COUNTY  
**WATER & SEWER**  
AUTHORITY  
BOARD OF DIRECTORS

*REGULAR MEETING*

*DECEMBER 20, 2022*

**DADE COUNTY WATER AND SEWER AUTHORITY**

**REGULAR BOARD MEETING AGENDA**

**DECEMBER 20, 2022 6:30 P.M.**

**\*MEETING LOCATION CHANGED DUE TO SCHEDULING CONFLICT\***

**LOCATION: DADE COUNTY WATER & SEWER AUTHORITY**

**250 BOND STREET**

1. Call to Order
  - a. Prayer and Pledge of Allegiance
  - b. Roll call
2. Approve minutes from previous meeting
3. Fiscal Matters
  - a. Monthly Financial Report
4. Appearances
  - a. Julie Klotz – JHM Certified Public Accountants
    - i. 2022 Audit Report
5. Legal Matters
6. Old Business
  - a. USDA Project Update
7. New Business
  - a. Project Proposal – Raw Water Intake Screen
8. Executive Session (if any)
9. Citizen Participation
10. Adjournment

MINUTES OF  
DADE COUNTY WATER AND SEWER AUTHORITY  
November 15, 2022

Members Present

Eddie Cantrell, Chairperson  
Travis Daniel, Vice Chairperson  
Daniel Glecier, II  
Allen Townsend

Members Absent

Darrell Pardue

Others Present

Sherri Walker  
Elizabeth Zeller

The regularly-scheduled monthly meeting of the Dade County Water and Sewer Authority (“Water Authority”) was held at the Dade County Water & Sewer Authority at 6:30 p.m., on November 15, 2022. Chairperson Cantrell called the meeting to order and announced that the meeting was officially posted and legally advertised as required by the open meeting laws of the State of Georgia, and that a quorum of the members was present. Mr. Cantrell opened the meeting with prayer and the pledge of allegiance.

A roll call of board members was taken with attendance as noted in the table above.

Mr. Townsend made a motion to approve the minutes of the October 2022 meeting. Mr. Daniel seconded the motion and all approved.

Financial Report

Mrs. Zeller presented the financial report. She reported that the October 2022 revenue was \$360,878.52 and expenses were \$261,604.16 for a profit of \$99,274.36. There were 17 new taps during the month. Mrs. Zeller gave the operational report, listing the work for all three departments for October. In the report, Mrs. Zeller reports a consolidation of 69 fixed asset accounts into 11 fixed assets accounts. Auditor JHM Certified Public Accountants recommended this change to Dade County Water and Sewer Authority. The consolidation of the account was handled by Sherri Walker, General Manager, along with the auditors. Mr. Daniel made a motion to approve the Financial Report, and the motion was seconded by Mr. Glecier and all approved.

Legal Matters

There were no legal matters.

Appearances

There were no appearances.

Old Business

Sherri Walker, General Manager, provided an update on USDA Projects. As of 11/14/22 Water Main Upgrades Contract #1, Rehabilitation of Water Storage Tanks Hooker, and Lookout Tanks Contract #4, and ECWAG are complete. The contractors for Contract #2-Meter Replacement Program have completed two of the three routes on Sand Mountain. By the end of November, Sand Mountain customer meters should be completed. A manufacturer issue caused the motors to not seat properly, which delayed the Pump Station Upgrades. Currently, we are awaiting a proposal from the manufacturer regarding the solution.

New Business

There was no new business.

Executive Session

There was no executive session.

There being no further business before the Water Authority Board, the Chair called for a motion to dismiss. Mr. Glecier made a motion to dismiss, and the motion was seconded by Mr. Townsend. The motion was passed unanimously, and the meeting was adjourned. The next regularly-scheduled meeting is set for December 20, 2022 at 6:30 p.m., in the Dade County Water and Sewer Authority Building.

As recorded by:

\_\_\_\_\_  
Travis Daniel, Vice Chairperson

Attested by:

\_\_\_\_\_  
Eddie Cantrell, Chairperson

DADE COUNTY WATER & SEWER AUTHORITY  
Profit & Loss  
November 2022

	<u>Nov 22</u>
<b>Income</b>	
402 · INCOME WATER RENTS	306,337.86
403 · INCOME-SEWER COLLECTION FEES	3,563.00
404 · INCOME/MISCELLANEOUS	5,337.93
405 · INTEREST INCOME	50.56
406 · TAP FEE INCOME	15,650.00
408 · SEWER SURCHARGE INCOME	80.24
<b>Total Income</b>	<u>331,019.59</u>
<b>Gross Profit</b>	<u>331,019.59</u>
<b>Expense</b>	
501 · CREDIT CARD PROCESSING FEES	4,149.25
501.1 · CHECK PROCESSING FEES	118.00
506 · BAD DEBTS	-304.93
507 · ELECTRICITY EXPENSE	37,385.98
508 · EMPLOYEE BENEFITS	26,827.88
509 · INSURANCE	1,095.12
511 · INTEREST EXPENSE GEFA LOAN	2,111.27
513 · MATERIALS AND SUPPLIES	3,846.83
514 · CHEMICALS	18,495.90
515 · MISCELLANEOUS	-915.73
516 · OFFICE EXPENSE AND POSTAGE	5,039.72
517 · INTEREST EXPENSE ON NRWA LOAN	93.96
519 · PROFESSIONAL FEES	15,585.00
522 · REPAIRS AND MAINTENANCE	16,613.07
524 · SALARIES AND WAGES	110,000.02
525 · PAYROLL TAXES	8,881.40
526 · TELEPHONE	1,030.42
530 · EMPLOYEE UNIFORMS	431.90
535 · TRUCK EXPENSE	8,137.50
542 · TRAVEL EXPENSES	219.24
545 · JANITORIAL EXPENSE	300.00
546 · DUES AND SUBSCRIPTIONS	215.15
548 · MEALS AND ENTERTAINMENT	627.30
549 · WATER UTILITY EXPENSE	539.62
554 · WHEELAGE & TREATMENT CHARGES	2,013.57
REVENUE BOND SINKING FUND	37,159.38
<b>Total Expense</b>	<u>299,696.82</u>
<b>Net Income</b>	<u><u>31,322.77</u></u>

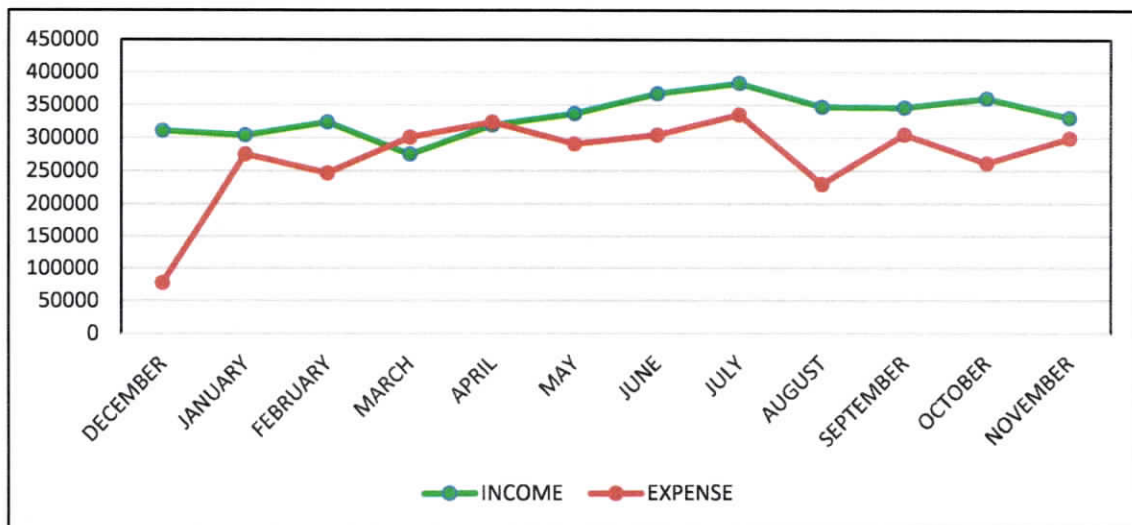


#New Taps= 8

November 2022		Current	Previous
		Month	Month
Total accts 60 days and over		\$2,508.95	\$28,940.51
Total accts 90 days and over		\$10,167.32	\$8,769.19
Total Active Accounts		7,395	7,375
Total Water Services		8,579	8,571
Total gallons water billed		40.0	40.9
Total water pumped		63.2	65.4
Percentage of water loss		37%	37%

### 12 MONTH INCOME/EXPENSE

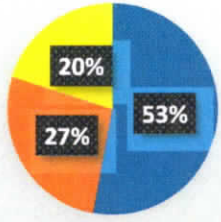
BILLING MONTH	PRIOR YEAR			CURRENT YEAR		
	PRIOR YEAR INCOME	PRIOR YEAR EXPENSE	PRIOR YEAR NET INCOME	INCOME	EXPENSE	NET INCOME
DECEMBER	\$297,304.29	\$311,213.54	(\$13,909.25)	\$311,470.60	\$78,073.82	\$233,396.78
JANUARY	\$318,504.80	\$264,390.00	\$54,114.80	\$304,613.45	\$275,664.82	\$28,948.63
FEBRUARY	\$313,693.57	\$311,381.00	\$2,312.57	\$324,797.73	\$247,030.76	\$77,766.97
MARCH	\$283,758.09	\$274,217.60	\$9,540.49	\$275,664.73	\$301,637.46	(\$25,972.73)
APRIL	\$308,287.90	\$297,535.43	\$10,752.47	\$319,740.25	\$324,570.76	(\$4,830.51)
MAY	\$313,715.01	\$267,167.37	\$46,547.64	\$337,379.08	\$291,330.74	\$46,048.34
JUNE	\$372,731.13	\$223,712.56	\$149,018.57	\$367,557.28	\$304,815.73	\$62,741.55
JULY	\$342,993.69	\$304,911.47	\$38,082.22	\$383,630.94	\$336,007.10	\$47,623.84
AUGUST	\$364,167.87	\$263,479.34	\$100,688.53	\$347,442.59	\$229,682.80	\$117,759.79
SEPTEMBER	\$367,515.71	\$266,073.76	\$101,441.95	\$346,836.82	\$305,392.47	\$41,444.35
OCTOBER	\$305,934.16	\$369,819.05	(\$63,884.89)	\$360,878.52	\$261,604.16	\$99,274.36
NOVEMBER	\$297,773.14	\$265,564.61	\$32,208.53	\$331,019.59	\$299,696.82	\$31,322.77
TOTALS	\$3,886,379.36	\$3,419,465.73	\$466,913.63	\$4,011,031.58	\$3,255,507.44	\$755,524.14



Dade County Water and Sewer Authority  
 Fixed Charges Coverage Ratio  
 as of 11/30/2022

Change in net position	257,855.00	X	
Plus: Interest expense	16,067.23	X	
Plus: Depreciation	<u>282,802.80</u>	X	
Net Revenues to date			556,725.03
Number of months in current fiscal year	5.00		
Net Revenues annualized for the year		\$	1,336,140.00
Fixed Charges			
Plus: Scheduled interest payments for FY	171,164.75	#	
Plus: Scheduled principal payment for FY	<u>613,484.44</u>	#	
Total Scheduled Fixed Charges			<u>784,649.19</u>
Calculated ratio			<u>1.70</u>
Required ratio for revenue bonds			<u>1.10</u>
Required ratio for GEFA loan			<u>1.05</u>

**OPERATIONS SUMMARY REPORT  
NOVEMBER 2022**

OFFICE SUMMARY	
<b>PAYMENT PROCESSING</b>  	53% IN OFFICE PAYMENTS/DROP BOX
	27% AUTOMATIC DRAFT PAYMENTS
	20% ONLINE WEB PAYMENTS
	6394 PAYMENTS PROCESSED
	208 WORK ORDERS PROCESSED

MAINTENANCE SUMMARY			
WORK ORDER CODE	TOTALS	WORK ORDER CODE	
METER CHANGE OUT	13	REREAD METER	9
CHECK METER	17	REPAIR METER	1
CHECK PRESSURE	3	CUT OFF FOR RETURN CHECK	0
FLUSH LINES	3	STOP REPAIR	3
LEAK REPORTED IN AREA	5	TAP	12
CUT OFF	17	TRANSMITTER INSTALL	63
CUT ON	21	TRANSMITTER CHANGE OUT	2
PULL METER DATA	11	NON PAYMENT DISCONNECT	0
READ AND LEAVE ON	28	IPERL MAINTENANCE	0
<b>TOTAL WORKORDERS</b>			<b>208</b>

NOTES	
112	811 LINE LOCATES
16	WATER MAIN LEAKS REPAIRED
7	TAPS INSTALLED

TREATMENT PLANT SUMMARY	
<b>MONTHLY SAMPLING</b>	<b>QUARTERLY DBP SAMPLING</b>
1 TOC SAMPLE - 11/09/2022	TTHM-TRIHALOMETHANES - 11/02/22
20 COLIFORM SAMPLES - 11/21/2022	HAA-HALOACETIC ACIDS - 11/02/22

**RECEIVED 13 EMERGENCY CALLS**

CLEANED WASH WATER HOLDING POND



**DADE COUNTY WATER & SEWER AUTHORITY**  
**Balance Sheet**  
 As of November 30, 2022

	Nov 30, 22
<b>ASSETS</b>	
<b>Current Assets</b>	
<b>Checking/Savings</b>	
100 · PETTY CASH	
100.1 · VAULT	250.00
100.2 · CASH DRAWER #1	200.00
100.3 · CASH DRAWER #2	200.00
100.4 · PETTY CASH	300.00
<b>Total 100 · PETTY CASH</b>	<b>950.00</b>
101 · CASH IN BANK REVENUE WF	777,542.13
103.2 · PROPERTY LEASE	1,005.00
103.4 · GEFA REVENUE ACCT	538.81
103.5 · USDA REVENUE	380.00
103.6 · USDA SINKING FUND	400.00
104 · CASH IN BANK O&M ACCOUNT	54,600.05
105 · CASH IN BANK PAYROLL	63,066.76
108 · METER DEPOSIT ACCOUNT	291,172.98
109 · METER DEPOSIT SAVINGS	98,000.00
110 · SINKING FUND	625,386.35
110.1 · REVENUE BOND SINKING FUND	185,796.90
111 · TAP FEE REVENUE	370,133.45
112 · TAP FEE SAVINGS	137,597.37
193 · CASH IN BANK - MONEY MARKET	26,805.94
193.1 · MONEY MARKET-RET. DOUG ANDERTON	196,299.88
<b>Total Checking/Savings</b>	<b>2,829,675.62</b>
<b>Other Current Assets</b>	
113 · CUSTOMER A/R - WATER	425,192.42
114 · ALLOWANCE FOR DOUBTFUL ACCT	-12,100.00
115 · ACCRUED INTEREST RECEIVABLE	4,058.26
117 · CUSTOMER A/R - SEWER SURCHARGE	-645.98
1170 · A/R MISC. CHARGES	36,757.97
118 · INVENTORY	289,029.89
119 · PREPAID EXPENSES	79,101.37
131.1 · Unbilled Revenue	70,700.00
<b>Total Other Current Assets</b>	<b>892,093.93</b>
<b>Total Current Assets</b>	<b>3,721,769.55</b>
<b>Fixed Assets</b>	
120 · COMPUTER EQUIPMENT	149,411.22
122 · ACCUMULATED DEPRECIATION	-21,145,528.59
124 · TOOLS AND EQUIPMENT	531,818.12
127 · VEHICLES	528,872.74
129 · BUILDINGS AND IMPROVEMENTS	259,231.80
137 · INVESTMENTS IN WATER SYSTEM	21,951,358.37
143 · SEWER SYSTEM	59,788.34
162 · LAND	504,173.52
195.2 · CONSTRUCTION IN PROGRESS	2,891,719.49
196 · TREATMENT PLANT IMPROVEMENTS	3,400,784.89
199 · WATER TANK IMPROVEMENTS	1,803,224.10
<b>Total Fixed Assets</b>	<b>10,934,854.00</b>
<b>TOTAL ASSETS</b>	<b>14,656,623.55</b>
<b>LIABILITIES &amp; EQUITY</b>	
<b>Liabilities</b>	
<b>Current Liabilities</b>	
Accounts Payable	
2000 · *Accounts Payable	104,378.99
<b>Total Accounts Payable</b>	<b>104,378.99</b>

## DADE COUNTY WATER &amp; SEWER AUTHORITY

## Balance Sheet

12/16/22

As of November 30, 2022

Accrual Basis

	Nov 30, 22
<b>Other Current Liabilities</b>	
202 · DUE TO SEWER SYSTEM	60,620.14
205 · ACCRUED INTEREST PAYABLE	4,580.26
207 · ACCRUED SALARIES AND WAGES	32,793.00
208 · GEORGIA WITHHOLDING TAX	4,818.52
209 · FEDERAL WITHHOLDING TAX	-0.30
2100 · Payroll Liabilities	-25.88
217 · 457 RETIREMETN BENEFIT PLAN	-243.36
218 · EMP. UNIFORMS-EMPLOYEE PORTION	-359.09
235 · ACCRUED RETIREMENT BENEFIT	194,234.24
240 · NRWALOAN	36,710.28
<b>Total Other Current Liabilities</b>	<b>333,127.81</b>
<b>Total Current Liabilities</b>	<b>437,506.80</b>
<b>Long Term Liabilities</b>	
171.3 · BOND PREMIUM - 2011	371,165.35
171.4 · ACC AMORT-BOND PREMIUM 2011	-223,025.02
182 · DEF. LOSS ISSUE EXPIRING 07-28	-284,979.25
182.1 · 2003 DEF. LOSS ISSUE EXP 07-28	-343,775.64
183 · ACCUM AMORT-ISSUE EXP. 07-28	239,313.81
184.1 · ACCUM AMORT ISSUE EXP 07-28	230,845.00
206 · DEF. METER DEPOSITS DUE - WF	194,730.10
211 · ACCRUED VACATION	37,358.11
214 · BONDS PAYABLE - 2011 REFUNDING	2,665,000.00
223 · GEFA LOAN DW2020035	3,735,143.34
230 · GEFA LOAN # 2010L08WS	670,956.46
231 · GEFA LOAN RESERVOIR #RF2018001	327,863.31
<b>Total Long Term Liabilities</b>	<b>7,620,595.57</b>
<b>Total Liabilities</b>	<b>8,058,102.37</b>
<b>Equity</b>	
305 · RETAINED EARNINGS TFF	625,386.35
308 · INVESTED IN CAPITAL ASSETS, NET	4,153,011.00
3900 · Retained Earnings	1,562,268.83
Net Income	257,855.00
<b>Total Equity</b>	<b>6,598,521.18</b>
<b>TOTAL LIABILITIES &amp; EQUITY</b>	<b>14,656,623.55</b>

## DADE COUNTY WATER &amp; SEWER AUTHORITY

## Profit &amp; Loss

12/16/22

September through November 2022

Accrual Basis

	Sep 22	Oct 22	Nov 22	TOTAL
<b>Income</b>				
402 · INCOME WATER RENTS	312,902.18	304,394.12	306,337.86	923,634.16
403 · INCOME-SEWER COLLECTION FEES	3,378.32	3,477.77	3,563.00	10,419.09
404 · INCOME/MISCELLANEOUS	11,399.34	21,069.19	5,337.93	37,806.46
405 · INTEREST INCOME	52.46	48.54	50.56	151.56
406 · TAP FEE INCOME	13,700.00	31,820.00	15,650.00	61,170.00
408 · SEWER SURCHARGE INCOME	208.42	68.90	80.24	357.56
409 · GEFA LOAN INCOME	5,196.10	0.00	0.00	5,196.10
<b>Total Income</b>	<b>346,836.82</b>	<b>360,878.52</b>	<b>331,019.59</b>	<b>1,038,734.93</b>
<b>Gross Profit</b>	<b>346,836.82</b>	<b>360,878.52</b>	<b>331,019.59</b>	<b>1,038,734.93</b>
<b>Expense</b>				
501 · CREDIT CARD PROCESSING FEES	4,368.61	4,407.52	4,149.25	12,925.38
501.1 · CHECK PROCESSING FEES	243.35	0.00	118.00	361.35
502 · DEPRECIATION	56,560.56	56,560.56	56,560.56	169,681.68
506 · BAD DEBTS	-316.29	-166.45	-304.93	-787.67
507 · ELECTRICITY EXPENSE	42,304.96	39,281.64	37,385.98	118,972.58
508 · EMPLOYEE BENEFITS	26,830.06	26,827.88	26,827.88	80,485.82
509 · INSURANCE	3,763.12	1,095.12	1,095.12	5,953.36
510 · INTEREST ON BONDS PAYABLE	740.08	740.08	740.08	2,220.24
511 · INTEREST EXPENSE GEFA LOAN	2,140.19	2,125.75	2,111.27	6,377.21
513 · MATERIALS AND SUPPLIES	11,858.02	22,195.95	3,846.83	37,900.80
514 · CHEMICALS	19,432.90	3,906.00	18,495.90	41,834.80
515 · MISCELLANEOUS	163.84	9,665.08	-915.73	8,913.19
516 · OFFICE EXPENSE AND POSTAGE	7,469.90	6,587.42	5,039.72	19,097.04
517 · INTEREST EXPENSE ON NRWA LOAN	98.30	96.13	93.96	288.39
519 · PROFESSIONAL FEES	4,285.00	2,908.92	15,585.00	22,778.92
520 · COMPUTER MAINTENANCE	2,000.00	9,575.00	0.00	11,575.00
522 · REPAIRS AND MAINTENANCE	7,980.38	4,566.36	16,613.07	29,159.81
524 · SALARIES AND WAGES	110,882.07	77,126.96	110,000.02	298,009.05
525 · PAYROLL TAXES	8,482.51	5,900.14	8,881.40	23,264.05
526 · TELEPHONE	1,043.72	996.39	1,030.42	3,070.53
530 · EMPLOYEE UNIFORMS	2,227.98	636.98	431.90	3,296.86
535 · TRUCK EXPENSE	6,593.18	7,200.36	8,137.50	21,931.04
542 · TRAVEL EXPENSES	0.00	279.92	219.24	499.16
545 · JANITORIAL EXPENSE	300.00	300.00	300.00	900.00
546 · DUES AND SUBSCRIPTIONS	1,986.37	65.16	215.15	2,266.68
548 · MEALS AND ENTERTAINMENT	0.00	296.78	627.30	924.08
549 · WATER UTILITY EXPENSE	535.52	539.62	539.62	1,614.76
553 · EDUCATIONAL EXPENSE	1,125.00	0.00	0.00	1,125.00
554 · WHEELAGE & TREATMENT CHARGES	2,476.15	2,265.22	2,013.57	6,754.94
<b>Total Expense</b>	<b>325,575.48</b>	<b>285,980.49</b>	<b>319,838.08</b>	<b>931,394.05</b>
<b>Net Income</b>	<b>21,261.34</b>	<b>74,898.03</b>	<b>11,181.51</b>	<b>107,340.88</b>



## **PROJECT UPDATES**

**AS OF 12/16/2022**

### **CONTRACT #1 - WATER MAIN UPGRADES**

**COMPLETE**

### **CONTRACT #2 - METER REPLACEMENT PROGRAM**

**IN PROGRESS**

CONTRACTORS HAVE COMPLETED 2 OF THE 3 ROUTES ON SAND MOUNTAIN

### **CONTRACT #3 - PUMP STATION UPGRADES**

**SAND MOUNTAIN PUMPSTATION**

**IN PROGRESS**

XYLEM WAS ABLE TO EXPEDITE THE MANUFACTURING OF THE SPACER PLATE

PARTS ARE DUE TO BE RECEIVED THE WEEK OF DEC. 27TH

EXPECTED INSTALLATION IS EARLY JANUARY

### **CONTRACT #4 - REHABILITATION OF WATER STORAGE TANKS**

**HOOKER & LOOKOUT TANKS COMPLETE**

**COMPLETE**

### **ECWAG - (EMERGENCY COMMUNITY WATER ASSISTANCE GRANT)**

**COMPLETE**

# Quote



10092 Hwy 280  
Westover, AL 35147  
Phone: (205) 678-0990

Date: November 14, 2022  
Payment Terms: Net 30

**To:** Dade County Water Authority  
P.O. Box 1047  
Trenton, GA 30752

**RE:** South Raw Water Pump #2

---

1-	Mob-demob, pull existing pump and install new pump and startup	\$	4,800.00
1-	New Components to include: J12XHO-01 Bowl Assembly SS Head shaft SS Line Shafts Tube bearings	\$	7,565.00

---

**Total: \$ 12,365.00**

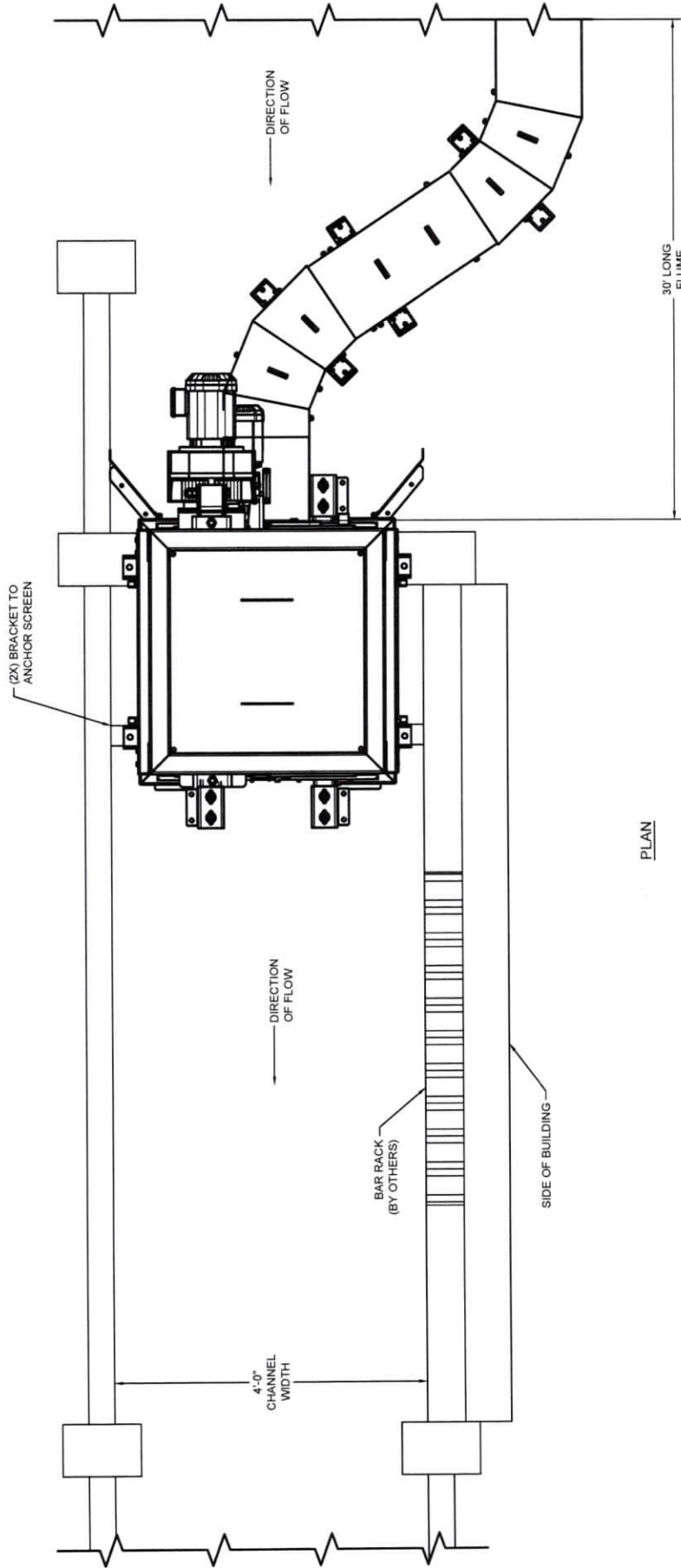
**Quote Valid for 30 Days**

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

Submitted By:   
Don Harvard

- NOTES:**
1. CONCRETE, GROUT, INTERCONNECTING PIPING NOT BY SAVECO
  2. ALL INTERCONNECTING PIPING TO BE SELF SUPPORTING
  3. DRAWING NOT FOR CONSTRUCTION

DIRECTION OF FLOW →



PLAN

**PROCESS DESIGN INFORMATION (EACH SCREEN):**

- APPLICATION: MUNICIPAL WASTEWATER
- PEAK FLOW: 4 MGD
- SCREEN PERFORATED OPENING: 60 INCHES
- ANGLE OF SCREEN: 60 DEGREES FROM HORIZONTAL
- CHANNEL WIDTH: 40 FEET
- CHANNEL DEPTH: 24.0 FEET
- DOWNSTREAM WATER LEVEL: 1.3 FEET @ PEAK FLOW
- HEADLOSS: 7.9 INCHES @ PEAK FLOW WITH 40% BLINDING
- DISCHARGE HEIGHT: 2.5 FEET (ABOVE TOP OF CHANNEL)
- WASH WATER: 30 GPM AT 70 - 80 PSI

**SAVECO**  
Member of WAMGROUP<sup>®</sup>  
Formerly Enviro-Care<sup>®</sup>

**Project Information**  
PROJECT NAME: TRENTON, GA -  
DADE COUNTY WTP

Third Angle Projection

PROPRIETARY AND CONFIDENTIAL  
THE INFORMATION CONTAINED IN THIS DRAWING IS THE SOLE PROPERTY OF SAVECO. IT IS TO BE USED FOR THE PROJECT AND SITE SPECIFICALLY IDENTIFIED HEREIN. REPRODUCTION IN PART OR AS A WHOLE WITHOUT THE WRITTEN PERMISSION OF SAVECO IS STRICTLY PROHIBITED. THIS DRAWING IS NOT TO ALTER DATA OR THE DESIGN OF ITS EQUIPMENT AT ANY TIME WITHOUT PRIOR NOTICE AND WITHOUT ANY OBLIGATION WHATSOEVER.

Status: SALES DRAWING	
Title: FRS-CF 600/6/500/820 CENTER FLOW BAND SCREEN	Sheet: 1 OF 2
Project: SW400 FSM HYDRAULIC SCREENINGS FLUME	Revision: -
Checker: JW24	Date: 05-10-2022
Designer: MB29	Drawing Number: WEC222148-A1
Scale: 1/4" = 1'-0"	

**PRELIMINARY COST ESTIMATE  
FOR THE RAW WATER INTAKE SCREEN  
FOR THE  
DADE COUNTY WATER AND SEWER AUTHORITY**

<u>ITEM</u>	<u>DESCRIPTION</u>	<u>UNIT</u>	<u>QUANTITY</u>	<u>COST/UNIT</u>	<u>TOTAL</u>
1	Perforated Intake Screen and 50' SS Flume	LS	1	\$ 740,000	\$ 740,000
2	Screen and Flume Installation	LS	1	\$ 300,000	\$ 300,000
3	Existing Debris Diversion Wall Demolition	LS	1	\$ 35,000	\$ 35,000
4	Concrete Debris Diversion Wall (Height and Fdn. Increase)	CY	100	\$ 1,800	\$ 180,000
5	Concrete Pad and Movable Leaf Bin (8'x4' w/4' walls)	LS	1	\$ 10,000	\$ 10,000
6	Screen and Flume Supports w/Access Platform	LS	1	\$ 75,000	\$ 75,000
7	Raw Water Bypass Pumping During Construction	LS	1	\$ 60,000	\$ 60,000
8	Creek Diversion During Construction	LS	1	\$ 60,000	\$ 60,000
9	Duplex Flume Pumps w/Guide Rails	LS	1	\$ 55,000	\$ 55,000
10	Electrical Work	LS	1	\$ 25,000	\$ 25,000

\$ 1,540,000  
 \$ 154,000  
 \$ 1,694,000

**1,694,000**

**ESTIMATED CONSTRUCTION TOTAL**

\$ 113,900  
 \$ 54,000  
 \$ 12,500  
 \$ 180,400

**\$ 1,874,400**

**ESTIMATED PROJECT COST**

Design and Construction Management  
 Construction Observation  
 Permitting (USCOE, EPD, USFWS, etc.)