

# **SOUTH SANTA ROSA UTILITY SYSTEM**

P. O. BOX 640  
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GULF BREEZE, FLORIDA 32562-0640

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## **BOARD MEETING AGENDA**

Gulf Breeze City Hall

April 11, 2016

Monday.....6:30 PM

1. CALL TO ORDER
2. ROLL CALL
3. APPROVAL OF MINUTES:
  - a. Regular Meeting February 8, 2016
  - b. Budget Workshop Minutes March 3, 2016
4. REPORTS:
  - a. Financial Report
  - b. Operations Report
  - c. Engineering & Permitting
5. OLD BUSINESS
6. NEW BUSINESS:
  - a. Soundside / Oak Drive Sewer Improvements Project
7. PUBLIC FORUM
8. SETTING OF NEXT MEETING . . . June 13, 2016
9. ADJOURNMENT

If any person decides to appeal any decisions made with respect to any matter considered at this meeting, such person may need to insure that a verbatim record of the proceedings is made, which record includes the testimony and any evidence upon which the appeal is to be based.

The public is invited to comment on matters before the SSRUS Board upon receiving recognition from the Chair.

SOUTH SANTA ROSA UTILITY SYSTEM  
BOARD OF DIRECTORS MEETING  
FEBRUARY 8, 2016 - 6:30 P.M.

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**1. CALL TO ORDER:**

The 129<sup>th</sup> regular meeting of the South Santa Rosa Utility System Board of Directors was called to order at 6:30 p.m., at Gulf Breeze City Hall, by Chairman Tom Naile.

**2. ROLL CALL AND INVOCATION:**

The following Board members were present: Tom Naile, Joseph Henderson, Otto Prochaska, Mark Meister, Bill Stanford, and Wes Dannreuther. Mayor Matt Dannheisser, Terry Mills and Robert Davies were not present.

**3. APPROVAL OF MINUTES:**

A motion was made by Mr. Stanford to approve the December 14, 2015, meeting minutes. Mr. Meister seconded. The minutes were approved unanimously.

**5. REPORTS:**

**a. FINANCE REPORT**

Deputy City Manager Curt Carver presented the financial report for the 1<sup>st</sup> Quarter of FY 16 and provided the board with an Impact Fee report from Oct 1, 2015- December 31, 2015.

**b. OPERATIONS REPORT**

Public Services Director Vernon Prather stated that utility operations were normal in December 2015 and January 2016. The City recorded 11 inches of rain in December. The heavy rain caused some flash flooding in some areas and activations of spray fields to dispose of the excess water.

Rehabilitation work continues for the north treatment basin.

Evaluation of the West Course irrigation system continues. It is estimated that only 50% of the front nine and 15% of the back nine is operable.

Attached for the Board's review were copies of the following correspondence:

- a) Water & Sewer Revenue Tables F/Y 2016, 2015, 2014, 2013, 2012, 2011, 2010,
- b) Water and Sewer Impact Fee Tables F/Y 2016, 2015, 2014, 2013, 2012, 2011 & 2010
- c) Construction Coordinator Report

SOUTH SANTA ROSA UTILITY SYSTEM  
BOARD OF DIRECTORS MEETING  
FEBRUARY 8, 2016 - 6:30 P.M.

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**c. ENGINEERING AND PERMITTING**

Mr. Prather advised the Board that Baskerville Donovan is in the process of preparing the WWTP Annual Capacity Analysis report for 2015. The 20 year growth rate average for SSRUS is 2.1%. The rate used in the current report is 2.8%. Mr. Prather requested the board decide on which growth rate they feel should be used in the 2015 Capacity Analysis report.

Mr. Meister made a motion to use the growth rate of 2.8% for the annual Waste Water Treatment Plan Capacity Analysis report. Mr. Prochaska seconded the motion. The vote to use the growth rate of 2.8% for the Capacity Analysis Report was unanimous.

**RECOMMENDATION: SOUTH SANTA ROSA UTILITY SYSTEM BOARD RECOMMENDS THAT THE CITY COUNCIL USE THE GROWTH RATE OF 2.8% FOR THE ANNUAL CAPCITY ANALYSIS REPORT.**

**5. OLD BUSINESS:**

**6. NEW BUSINESS:**

**a. Tiger Point Purchase Loan (This item was presented after approval of the minutes)**

City Manager, Edwin Eddy outlined the Council's plan to borrow \$5 million from the Gulf Breeze Loan Pool. The loan will repay the three million letter of credit used to purchase Tiger Point and will replenish the two million SSRUS reserves used for repairs and upgrades to the golf course. The revenue split for the loan will be 72% SSRUS and 28% City.

The Board requested Mr. Eddy to provide additional information regarding the proposed loan. Once the Board is provided with the additional information, it will be determined if a special workshop is needed for further discussion.

**b. FAIRWAY #13 EAST COURSE, IRRIGATION REPAIR**

**RECOMMENDATION:  
SOUTH SANTA ROSA UTILITY SYSTEM BOARD RECOMMENDS THAT THE CITY COUNCIL AUTHORIZE WARRINGTON UTILITY AND EXCAVATION TO INSTALL TWO (2) 4" BY 60' DIRECTIONAL DRILL PIPES ON FAIRWAY #13 TO RELOCATE THE IRRIGATION LINE ABND CONTROLS UNDERGROUND FOR \$13,300 WITH A 20% (\$2,700) CONTINGENCY.**

SOUTH SANTA ROSA UTILITY SYSTEM  
BOARD OF DIRECTORS MEETING  
FEBRUARY 8, 2016 - 6:30 P.M.

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Mr. Meister made a motion to approve staff's recommendation. The motion was seconded by Mr. Prochaska. The vote for approval was unanimous.

**c. PURCHASE OF LOADER BACKHOE**

**RECOMMENDATION:**

**SOUTH SANTA ROSA UTILITY SYSTEM BOARD RECOMMEND THAT THE CITY COUNCIL APPROVE THE PURCHASE OF ONE (1) JOHN DEERE MODEL 310SL LOADER BACKHOE WITH ENCLOSED CAB AND FOUR WHEEL DRIVE WITH OPTIONS AS LISTED, FOR \$82,667 WITH EXPENSE SPLIT BETWEEN 401 AND 403 FUNDS.**

Mr. Prochaska made a motion to approve staff's recommendation. The motion was seconded by Mr. Meister. The vote for approval was unanimous.

**b. PURCHASE OF GROUND PENETRATING RADAR**

**RECOMMENDATION:**

**SOUTH SANTA ROSA UTILITY SYSTEM BOARD RECOMMENDS THAT THE CITY COUNCIL APPROVE THE PURCHASE OF ONE (1) MALA GEOSCIENCE, MODEL: EASY LOCATOR HDR PRO FOR \$18,745**

Mayor Pro Tem Henderson made a motion to approve staff's recommendation. The motion was seconded by Mr. Meister. The vote for approval was unanimous.

7. **PUBLIC FORUM:** none

8. **SETTING NEXT MEETING:**

The next South Santa Rosa Utility System Board meeting will be held on Monday, April 11, 2016, at 6:30 p.m.

9. **ADJOURNMENT:** 7:32 P.M.

ATTESTED TO:

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Leslie A. Guyer, City Clerk

SOUTH SANTA ROSA UTILITY SYSTEM  
BOARD OF DIRECTORS MEETING  
MARCH 3, 2016 – 5:00 P.M.

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1. **CALL TO ORDER:**

The South Santa Rosa Utility System Board of Directors held a budget workshop on March 3, 2016, at 5:00 p.m., at Gulf Breeze City Hall. The meeting was called to order by Chairman Tom Naile.

2. **ROLL CALL:**

The following Board members were present: Mayor Pro Tem Joe Henderson, Mark Meister, Tom Naile, and Bill Stanford. Upon calling the meeting to order Mr. Naile reminded the Board that no actions would be taken during the meeting.

3. **LONG TERM FINANCING:**

**a. Golf Course**

The City Manager addressed the Board and discussed the refinancing of the golf course purchase. The Deputy City Manager and the Director of Public Services answered questions from the Board.

4. **ADJOURNMENT:** 5:42 P.M.

ATTESTED TO:

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Stephanie D. Lucas, City Clerk

SSRUS FINANCIAL SUMMARY  
REVENUE AND EXPENDITURE REPORT  
OCTOBER 2015 THROUGH MARCH 2016  
APRIL 2016

04/07/2016

REVENUE AND EXPENDITURE REPORT FOR SSRUS  
 PERIOD ENDING 03/31/2016 (Subject to Audit and Month-End Adjusting Entries)

ACCOUNT	DESCRIPTION	2015-16 BUDGET	ACTIVITY FOR 2ND QUARTER	YTD BALANCE 03/31/2016	% USED	YTD BALANCE 03/31/2015
<b>Revenues</b>						
<b>SALES REVENUES</b>						
343.30-00	WATER REVENUE	1,815,000.00	415,140.27	853,120.08	47.00	765,223.01
343.50-00	SEWER REVENUE	3,100,000.00	782,551.63	1,609,809.84	51.93	1,523,840.17
343.50-05	RECLAIMED WATER	52,000.00	17,051.43	33,917.43	65.23	31,866.00
343.90-05	TECH FEE (W/S METERS)	108,000.00	25,824.00	51,760.00	47.93	17,218.00
<b>SALES REVENUES</b>		<b>5,075,000.00</b>	<b>1,240,567.33</b>	<b>2,548,607.35</b>	<b>50.22</b>	<b>2,338,147.18</b>
<b>MISC REVENUES</b>						
361.10-00	MISC INTEREST EARNINGS	0.00	179.24	167.60	100.00	962.09
362.10-20	AT&T	25,900.00	4,320.00	10,800.00	41.70	10,800.00
369.01-00	OTHER MISC REVENUES	10,000.00	10,959.94	10,964.34	109.64	2,677.55
369.01-10	Insurance Proceeds	0.00	0.00	0.00	0.00	1,416.00
369.10-00	NEW SERVICE FEES	30,000.00	9,575.00	20,910.00	69.70	20,070.00
369.90-00	RECONNECTION FEES	30,000.00	28,100.00	61,800.00	206.00	0.00
369.91-10	METER INSTALLATION FEES	4,000.00	4,500.00	8,900.00	222.50	3,414.07
369.98-00	OVERHEAD ALLOCATION	431,165.00	107,791.26	215,582.52	50.00	179,584.98
<b>MISC REVENUES</b>		<b>531,065.00</b>	<b>165,425.44</b>	<b>329,124.46</b>	<b>61.97</b>	<b>218,924.69</b>
<b>TAP FEES</b>						
363.20-10	WATER TAP	0.00	19,800.00	31,050.00	100.00	12,725.00
363.20-20	SEWER TAP	0.00	634,326.00	728,701.00	100.00	138,050.00
<b>TAP FEES</b>		<b>0.00</b>	<b>654,126.00</b>	<b>759,751.00</b>	<b>100.00</b>	<b>150,775.00</b>
<b>UTILITY TRANSFER</b>						
381.00-00	INTERFUND TRANSFER	298,857.00	74,714.25	149,428.50	50.06	164,433.36
<b>UTILITY TRANSFER</b>		<b>298,857.00</b>	<b>74,714.25</b>	<b>149,428.50</b>	<b>50.06</b>	<b>164,433.36</b>
<b>TOTAL Revenues</b>		<b>5,904,922.00</b>	<b>2,134,833.02</b>	<b>3,786,911.31</b>	<b>64.14</b>	<b>2,872,280.23</b>

Curt Carver:  
Overstated because of tap fees.



04/07/2016

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ACCOUNT	DESCRIPTION	2015-16 BUDGET	ACTIVITY FOR 2ND QUARTER	YTD BALANCE 03/31/2016	% USED	YTD BALANCE 03/31/2015
<b>Expenditures</b>						
Dept 1400-SSRU: WATER OPERATIONS						
PERSONNEL PAYMENTS						
512.12-00	REGULAR SALARIES & WAGES	258,000.00	53,192.84	104,413.28	40.47	115,308.34
513.13-50	TEMPORARIES	10,815.00	18,802.58	34,796.21	321.74	23,273.34
514.14-00	OVERTIME	17,304.00	4,956.49	9,341.63	53.99	7,659.67
	PERSONNEL PAYMENTS	286,119.00	76,951.91	148,551.12	51.92	146,241.35
<b>TAXES &amp; BENEFITS</b>						
521.21-00	FICA TAXES	21,000.00	4,311.58	8,099.67	38.57	8,347.14
522.22-00	RETIREMENT CONTRIBUTIONS (DB-ER)	1,154.00	1,101.57	2,221.34	192.49	1,945.79
522.22-50	FLC RETIREMENT (DC-ER)	14,998.00	3,056.89	5,168.66	34.46	6,137.68
523.23-00	HEALTH INSURANCE	52,536.00	9,450.57	19,473.27	37.07	22,903.33
523.23-20	LIFE INSURANCE	462.00	63.23	131.38	28.44	145.23
523.23-30	DENTAL	2,860.00	635.16	1,298.18	45.39	942.72
523.23-40	VISION	677.00	107.71	178.59	26.38	249.00
524.24-00	WORKERS COMPENSATION	0.00	0.00	0.00	0.00	453.13
526.26-00	DISABILITY INSURANCE	300.00	54.02	112.26	37.42	152.56
	TAXES & BENEFITS	93,987.00	18,780.73	36,683.35	39.03	41,276.58
<b>PROF &amp; CONTRACT SERVICES</b>						
531.31-10	LEGAL SERVICES	1,500.00	0.00	0.00	0.00	0.00
531.31-40	PROFESSIONAL SERVICES	3,000.00	3,600.00	3,645.00	121.50	272.00
534.34-10	OTHER CONTRACTUAL SERVICE	570,000.00	148,714.46	244,918.43	42.97	232,435.90
	PROF & CONTRACT SERVICES	574,500.00	152,314.46	248,563.43	43.27	232,707.90
<b>OPERATION &amp; REPAIRS</b>						
540.40-10	TRAVEL & PER DIEM	2,000.00	146.72	286.63	14.33	317.23

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REVENUE AND EXPENDITURE REPORT FOR SSRUS  
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ACCOUNT	DESCRIPTION	2015-16 BUDGET	ACTIVITY FOR 2ND QUARTER	YTD BALANCE 03/31/2016	% USED	YTD BALANCE 03/31/2015
541.41-10	TELEPHONES	5,100.00	2,504.02	3,742.96	73.39	3,659.53
541.41-20	POSTAGE	1,000.00	0.00	0.00	0.00	0.00
541.41-30	RADIOS & PAGERS	3,000.00	0.00	0.00	0.00	0.00
543.43-10	UTILITIES	54,000.00	13,011.19	21,266.35	39.38	32,005.73
546.46-10	R & E BUILDINGS & OTHER	35,000.00	34,636.06	43,137.70	123.25	39,697.69
546.46-20	REPAIRS & MAINT - VEHICLE	15,000.00	7,269.84	9,557.85	63.72	9,391.87
	OPERATION & REPAIRS	115,100.00	57,567.83	77,991.49	67.76	85,072.05
<b>SUPPLIES &amp; FUEL</b>						
551.51-00	OFFICE SUPPLIES	1,000.00	38.99	298.53	29.85	204.80
552.52-00	OPERATING SUPPLIES	15,000.00	5,975.80	11,259.65	75.06	5,797.43
552.52-20	FUELS AND LUBRICANTS	21,000.00	1,124.62	2,567.42	12.23	9,844.42
552.52-21	CHEMICALS	1,000.00	0.00	0.00	0.00	197.29
552.52-30	UNIFORMS & PERSONAL EQUIP	2,900.00	1,157.35	1,219.01	42.03	1,308.85
552.52-80	METERS & METER SUPPLIES	0.00	0.00	0.00	0.00	1,670.00
552.52-99	BAD DEBT WRITE OFF	0.00	(189.58)	(277.26)	100.00	0.00
554.54-00	MEMBERSHIPS, ADS & SUBSCR	2,000.00	372.36	670.61	33.53	417.50
554.54-10	EMPLOYEE TRAINING	3,200.00	225.00	299.32	9.35	903.98
	SUPPLIES & FUEL	46,100.00	8,704.54	16,037.28	34.79	20,344.27
<b>TRANSFERS IN / OUT</b>						
591.91-10	REIMBURSEMENTS	120,400.00	28,549.53	57,099.06	47.42	45,216.12
	TRANSFERS IN / OUT	120,400.00	28,549.53	57,099.06	47.42	45,216.12
	Total Dept 1400-SSRU: WATER OPERATIONS	1,236,206.00	342,869.00	584,925.73	47.32	570,858.27
<b>Dept 1600-SSRU: WTR RENEW &amp; EXTEND</b>						
	SUPPLIES & FUEL	7,000.00	0.00	0.00	0.00	1,124.88
552.52-80	METERS & METER SUPPLIES					

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REVENUE AND EXPENDITURE REPORT FOR SSRUS  
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SUPPLIES & FUEL		7,000.00	0.00	0.00	0.00	1,124.88
CAPITAL EXPENDITURES						
563.63-10	IMPROV OTHER THAN BLDGS	150,000.00	0.00	4,505.00	3.00	797,040.65
564.64-40	METERING SYSTEM	78,000.00	0.00	0.00	0.00	0.00
	CAPITAL EXPENDITURES	228,000.00	0.00	4,505.00	1.98	797,040.65
DEBT SERVICE						
571.71-00	DEBT SERVICE - Principal	129,643.00	56,744.55	65,240.88	50.32	57,432.69
572.72-00	DEBT SERVICE - Interest	54,700.00	24,482.79	26,042.06	47.61	20,931.11
	DEBT SERVICE	184,343.00	81,227.34	91,282.94	49.52	78,363.80
	Total Dept 1600-SSRU: WTR RENEW & EXTEND	419,343.00	81,227.34	95,787.94	22.84	876,529.33
Dept 1700-COLLECTION - OPERATIONS						
PERSONNEL PAYMENTS						
512.12-00	REGULAR SALARIES & WAGES	344,600.00	73,836.88	145,224.46	42.14	156,029.85
513.13-50	TEMPORARIES	10,700.00	19,260.17	35,194.83	328.92	23,248.93
514.14-00	OVERTIME	16,000.00	6,585.15	12,478.83	77.99	10,006.03
	PERSONNEL PAYMENTS	371,300.00	99,682.20	192,898.12	51.95	189,284.81
TAXES & BENEFITS						
521.21-00	FICA TAXES	27,600.00	5,951.36	11,230.91	40.69	11,320.38
522.22-00	RETIREMENT CONTRIBUTIONS (DB-ER)	4,183.00	1,456.49	2,930.94	70.07	2,568.73
522.22-50	FLC RETIREMENT (DC-ER)	22,110.00	4,369.21	7,418.43	33.55	8,500.53
523.23-00	HEALTH INSURANCE	61,330.00	13,265.40	27,274.99	44.47	31,129.03
523.23-20	LIFE INSURANCE	580.00	86.86	191.00	32.93	201.07
523.23-30	DENTAL	2,553.00	885.81	1,810.36	70.91	1,275.98
523.23-40	VISION	857.00	150.63	250.96	29.28	335.45

04/07/2016

REVENUE AND EXPENDITURE REPORT FOR SSRUS  
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524.24-00	WORKERS COMPENSATION	0.00	0.00	0.00	0.00	626.86
526.26-00	DISABILITY INSURANCE	500.00	79.09	161.14	32.23	207.21
	TAXES & BENEFITS	119,713.00	26,244.85	51,268.73	42.83	56,165.24
	PROF & CONTRACT SERVICES	1,000.00	0.00	0.00	0.00	0.00
531.31-10	LEGAL SERVICES	5,000.00	18.00	63.00	1.26	4,985.00
531.31-40	PROFESSIONAL SERVICES	10,000.00	2,369.88	2,743.86	27.44	3,523.24
534.34-10	OTHER CONTRACTUAL SERVICE	16,000.00	2,387.88	2,806.86	17.54	8,508.24
	OPERATION & REPAIRS	1,000.00	0.00	(429.67)	(42.97)	0.00
540.40-10	TRAVEL & PER DIEM	5,100.00	2,284.76	3,117.53	61.13	3,153.35
541.41-10	TELEPHONES	1,000.00	0.00	0.00	0.00	0.00
541.41-20	POSTAGE	3,000.00	0.00	0.00	0.00	0.00
541.41-30	RADIOS & PAGERS	58,000.00	16,483.56	29,046.23	50.08	24,313.71
543.43-10	UTILITIES	125,000.00	21,438.59	35,561.19	28.45	85,110.75
546.46-10	R & E BUILDINGS & OTHER	17,000.00	4,111.51	6,610.99	38.89	8,465.80
546.46-20	REPAIRS & MAINT - VEHICLE	210,100.00	44,318.42	73,906.27	35.18	121,043.61
	SUPPLIES & FUEL	1,000.00	38.99	501.26	50.13	411.01
551.51-00	OFFICE SUPPLIES	16,000.00	10,623.84	14,541.86	90.89	2,006.35
552.52-00	OPERATING SUPPLIES	20,000.00	4,956.24	6,109.41	30.55	10,325.67
552.52-20	FUELS AND LUBRICANTS	3,500.00	905.15	3,415.97	97.60	793.76
552.52-30	UNIFORMS & PERSONAL EQUIP	1,500.00	0.00	313.25	20.88	467.50
554.54-00	MEMBERSHIPS, ADS & SUBSCR	2,000.00	95.00	(33.69)	(1.68)	675.00
554.54-10	EMPLOYEE TRAINING	44,000.00	16,619.22	24,848.06	56.47	14,679.29
	SUPPLIES & FUEL					

04/07/2016

REVENUE AND EXPENDITURE REPORT FOR SSRUS  
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<b>TRANSFERS IN / OUT</b>					
591.91-10 REIMBURSEMENTS	120,400.00	28,549.56	57,099.12	47.42	45,217.02
TRANSFERS IN / OUT	120,400.00	28,549.56	57,099.12	47.42	45,217.02
<b>CAPITAL EXPENDITURES</b>					
564.64-00 MACHINERY AND EQUIPMENT	0.00	0.00	0.00	0.00	47,660.40
CAPITAL EXPENDITURES	0.00	0.00	0.00	0.00	47,660.40
<b>Total Dept 1700-COLLECTION - OPERATIONS</b>					
	881,513.00	217,802.13	402,827.16	45.70	482,558.61
<b>Dept 1800-SWR RENEW &amp; EXTEND-COLLTN</b>					
<b>CAPITAL EXPENDITURES</b>					
563.63-10 IMPROV OTHER THAN BLDGS	200,000.00	0.00	0.00	0.00	0.00
564.64-00 MACHINERY AND EQUIPMENT	60,000.00	0.00	0.00	0.00	0.00
CAPITAL EXPENDITURES	260,000.00	0.00	0.00	0.00	0.00
<b>DEBT SERVICE</b>					
571.71-00 DEBT SERVICE - Principal	662,760.00	0.00	662,760.00	100.00	647,640.00
572.72-00 DEBT SERVICE - Interest	172,360.00	0.00	828.26	0.48	2,537.57
DEBT SERVICE	835,120.00	0.00	663,588.26	79.46	650,177.57
<b>Total Dept 1800-SWR RENEW &amp; EXTEND-COLLTN</b>					
	1,095,120.00	0.00	663,588.26	60.60	650,177.57
<b>Dept 2300-SEWER WWTP - OPERATIONS</b>					
<b>PERSONNEL PAYMENTS</b>					
512.12-00 REGULAR SALARIES & WAGES	429,000.00	111,882.46	209,794.97	48.90	207,231.94
513.13-00 OTHER SALARIES AND WAGES	18,386.00	0.00	0.00	0.00	818.31
513.13-50 TEMPORARIES	11,897.00	5,822.74	11,094.95	93.26	3,503.94
514.14-00 OVERTIME	12,000.00	5,706.14	9,678.87	80.66	5,545.11

04/07/2016

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ACCOUNT	DESCRIPTION	2015-16 BUDGET	ACTIVITY FOR 2ND QUARTER	YTD BALANCE 03/31/2016	% USED	YTD BALANCE 03/31/2015
<b>PERSONNEL PAYMENTS</b>						
		471,283.00	123,411.34	230,568.79	48.92	217,099.30
<b>TAXES &amp; BENEFITS</b>						
521.21-00	FICA TAXES	35,100.00	8,127.86	15,446.78	44.01	15,179.59
522.22-00	RETIREMENT CONTRIBUTIONS (DB-ER)	1,670.00	683.68	1,366.03	81.80	1,210.37
522.22-50	FLC RETIREMENT (DC-ER)	26,396.00	5,331.11	10,030.92	38.00	12,906.53
523.23-00	HEALTH INSURANCE	80,406.00	22,483.16	46,924.40	58.36	44,663.09
523.23-20	LIFE INSURANCE	660.00	117.38	242.83	36.79	237.58
523.23-30	DENTAL	3,828.00	1,245.15	2,633.55	68.80	1,740.21
523.23-40	VISION	990.00	203.66	346.42	34.99	475.50
524.24-00	WORKERS COMPENSATION	0.00	0.00	0.00	0.00	3,284.52
526.26-00	DISABILITY INSURANCE	420.00	95.91	203.68	48.50	210.13
TAXES & BENEFITS		149,470.00	38,287.91	77,194.61	51.65	79,907.52
<b>PROF &amp; CONTRACT SERVICES</b>						
531.31-10	LEGAL SERVICES	2,000.00	2,819.00	2,819.00	140.95	0.00
531.31-40	PROFESSIONAL SERVICES	12,000.00	4,950.00	5,820.00	506.83	7,080.00
534.34-10	OTHER CONTRACTUAL SERVICE	115,000.00	43,684.35	76,967.57	66.93	57,235.40
PROF & CONTRACT SERVICES		129,000.00	51,453.35	85,606.57	109.00	64,315.40
<b>OPERATION &amp; REPAIRS</b>						
540.40-10	TRAVEL & PER DIEM	2,200.00	362.45	362.45	16.48	245.87
541.41-10	TELEPHONES	4,500.00	3,041.56	4,126.99	91.71	3,708.72
543.43-10	UTILITIES	265,000.00	78,513.68	130,884.32	49.39	113,337.53
546.46-10	R & E BUILDINGS & OTHER	101,000.00	56,974.11	87,797.38	86.93	26,409.69
546.46-20	REPAIRS & MAINT - VEHICLE	4,500.00	1,403.00	2,835.69	63.02	1,198.86
546.46-65	R & M - REUSE	40,000.00	0.00	0.00	0.00	17,483.83
OPERATION & REPAIRS		417,200.00	140,294.80	226,006.83	54.17	162,384.50

04/07/2016

REVENUE AND EXPENDITURE REPORT FOR SSRUS  
 PERIOD ENDING 03/31/2016 (Subject to Audit and Month-End Adjusting Entries)

ACCOUNT	DESCRIPTION	2015-16 BUDGET	ACTIVITY FOR 2ND QUARTER	YTD BALANCE 03/31/2016	% USED	YTD BALANCE 03/31/2015
<b>SUPPLIES &amp; FUEL</b>						
552.52-00	OPERATING SUPPLIES	20,700.00	7,101.23	14,478.12	69.94	15,158.53
552.52-20	FUELS AND LUBRICANTS	4,500.00	3,963.48	4,182.54	92.95	413.97
552.52-21	CHEMICALS	185,000.00	39,406.06	59,678.36	32.26	81,282.11
552.52-30	UNIFORMS & PERSONAL EQUIP	2,900.00	549.75	753.69	25.99	242.55
554.54-00	MEMBERSHIPS, ADS & SUBSCR	2,500.00	300.00	300.00	12.00	0.00
554.54-10	EMPLOYEE TRAINING	2,500.00	0.00	0.00	0.00	925.00
	<b>SUPPLIES &amp; FUEL</b>	<b>218,100.00</b>	<b>51,320.52</b>	<b>79,392.71</b>	<b>36.40</b>	<b>98,022.16</b>
<b>TRANSFERS IN / OUT</b>						
591.91-10	REIMBURSEMENTS	120,400.00	43,549.53	72,099.06	59.88	45,216.42
	<b>TRANSFERS IN / OUT</b>	<b>120,400.00</b>	<b>43,549.53</b>	<b>72,099.06</b>	<b>59.88</b>	<b>45,216.42</b>
<b>CAPITAL EXPENDITURES</b>						
564.64-00	MACHINERY AND EQUIPMENT	0.00	0.00	11,558.60	100.00	145,975.45
	<b>CAPITAL EXPENDITURES</b>	<b>0.00</b>	<b>0.00</b>	<b>11,558.60</b>	<b>100.00</b>	<b>145,975.45</b>
	<b>Total Dept 2300-SEWER WWTP - OPERATIONS</b>	<b>1,505,453.00</b>	<b>448,317.45</b>	<b>782,427.17</b>	<b>55.63</b>	<b>812,920.75</b>
<b>Dept 2400-SWR RENEW &amp; EXTND - WWTP</b>						
<b>CAPITAL EXPENDITURES</b>						
563.63-10	IMPROV OTHER THAN BLDGS	212,000.00	60,547.00	88,949.00	16.01	668.25
564.64-00	MACHINERY AND EQUIPMENT	18,000.00	0.00	0.00	0.00	3,988.00
	<b>CAPITAL EXPENDITURES</b>	<b>230,000.00</b>	<b>60,547.00</b>	<b>88,949.00</b>	<b>14.76</b>	<b>4,656.25</b>
<b>DEBT SERVICE</b>						
571.71-00	DEBT SERVICE - Principal	246,768.00	0.00	214,080.34	86.75	227,672.95
572.72-00	DEBT SERVICE - Interest	135,200.00	31,271.00	65,860.14	48.71	99,188.31
573.73-00	OTHER DEBT SERVICE COSTS	0.00	0.00	1,299.00	100.00	1,199.00

04/07/2016

REVENUE AND EXPENDITURE REPORT FOR SSRUS  
 PERIOD ENDING 03/31/2016 (Subject to Audit and Month-End Adjusting Entries)

ACCOUNT	DESCRIPTION	2015-16 BUDGET	ACTIVITY FOR 2ND QUARTER	YTD BALANCE 03/31/2016	% USED	YTD BALANCE 03/31/2015
DEBT SERVICE		381,968.00	31,271.00	281,239.48	73.63	328,060.26
TAP FEES RESERVED						
595.95-05	TAP/IMPACT RESERVE Xfer	0.00	567,550.00	759,751.00	100.00	150,775.00
TAP FEES RESERVED		0.00	567,550.00	759,751.00	100.00	150,775.00
-----						
Total Dept 2400-SWR RENEW & EXTND - WWTP		611,968.00	659,368.00	1,129,939.48	175.70	483,491.51
-----						
Dept 9999-BUDGET ONLY						
TRANSFERS IN / OUT						
999.99-99	BUDGETING SURPLUS	57,319.00	0.00	0.00	0.00	0.00
TRANSFERS IN / OUT		57,319.00	0.00	0.00	0.00	0.00
-----						
Total Dept 9999-BUDGET ONLY		57,319.00	0.00	0.00	0.00	0.00
-----						
TOTAL Expenditures		5,806,922.00	1,749,583.92	3,659,495.74	61.53	3,876,536.04
-----						
TOTAL REVENUES		5,904,922.00	2,134,833.02	3,786,911.31	64.14	2,872,280.23
TOTAL EXPENDITURES		5,806,922.00	1,749,583.92	3,659,495.74	61.53	3,876,536.04
NET OF REVENUES & EXPENDITURES		98,000.00	385,249.10	127,415.57		(1,004,255.81)





SSRUS MONTHLY IMPACT FEES - 2016

MONTH	WATER	SEWER	YTD WATER	YTD SEWER	YTD TOTAL	BUDGETED	OVER/UNDER
October-15	\$4,500	\$31,975	\$4,500	\$31,975	\$36,475	\$0	\$36,475
November-15	\$4,500	\$33,800	\$9,000	\$65,775	\$74,775	\$0	\$74,775
December-15	\$2,250	\$28,600	\$11,250	\$94,375	\$105,625	\$0	\$105,625
January-16	\$0	\$522,150	\$11,250	\$616,525	\$627,775	\$0	\$627,775
February-16	\$9,000	\$36,400	\$20,250	\$652,925	\$673,175	\$0	\$673,175
March-16	\$10,800	\$75,776	\$31,050	\$728,701	\$759,751	\$0	\$759,751
April-16							
May-16							
June-16							
July-16							
August-16							
September-16							
Avg.							

Water tap annual requirement:

\$0

Monthly

\$0

Sewer tap annual requirement:

\$0

Monthly

\$0

Combined annual requirement:

\$0

Monthly

\$0



# City of Gulf Breeze

**TO:** Edwin A. Eddy, City Manager  
**FROM:** Vernon L. Prather, Director of Public Services *V.P.*  
**RE:** SSRUS Operations Report  
**DATE:** April 7, 2016

Utility operations were normal in February and March 2016, with normal water and sewer repairs. 2016 has recorded 20.83" in the first quarter, which required activation of spray fields to dispose of the excess water.

The rehabilitation for the north treatment basin has continued, with the contractor sand blasting and repainting the interior portion of the basin. We are currently 65% complete on this project.

The inmate squad has been working to remove brush and excess vegetation from drainage areas along the West Course.

We have continued to evaluate the irrigation system for the West Course and observed that the front nine is only 50% operable at best with the back nine at 15%, so staff is reviewing options for repair and reliable operation. This item is paramount in order to effectively irrigate the 120 acres and promote healthy turf grass and maximize spray field capacity. Attached is a detailed report from Jason Randell.

The WWTP flow was 1.667 mgd, for February and 1.608 mgd for March 2016. The Golf Course flow for Feb. was .359 mgd and .291 mgd for March. Overall the reclaim system has remained balanced.

Since utility operations are influenced by rain fall, staff is providing 9 years of annual rainfall as recorded at the WWTP:

2007 = 81.97"	
2008 = 54.29"	1 <sup>st</sup> quarter data
2009 = 83.02"	20.14"
2010 = 66.90"	17.49"
2011 = 45.80"	12.45"
2012 = 81.20"	10.57"
2013 = 82.84"	16.86"
2014 = 92.48"	24.22"
2015 = 80.14"	13.01"
2016 = 20.83"	20.83"

SSRUS increased/decreased the customer base as follows:

**Billed water customers:** (pre-Ivan 4383)  
(- 1.5 % since Ivan)

**Billed sewer customers:** (pre-Ivan 5402)  
(+18.1 % since Ivan)

<b>Feb 16</b>	<b>4,303</b>	<b>Feb 15</b>	<b>4,278</b>	<b>0.5%</b>	<b>Feb 16</b>	<b>6,308</b>	<b>Feb15</b>	<b>6,229</b>	<b>1.3%</b>
<b>Mar 16</b>	<b>4,316</b>	<b>Mar 15</b>	<b>4,300</b>	<b>0.3%</b>	<b>Mar 16</b>	<b>6,377</b>	<b>Mar 15</b>	<b>6,247</b>	<b>2.1%</b>

**Water revenue:**

<b>Feb 16</b>	<b>\$134,139 / 4,303 = \$31.17 /customer</b>	<b>Feb 15</b>	<b>\$119,512 / 4278 = \$27.94 /customer</b>
<b>Mar 16</b>	<b>\$130,547 / 4,316 = \$30.25 /customer</b>	<b>Mar 15</b>	<b>\$120,859 / 4300 = \$28.10 /customer</b>

**Sewer revenue:**

<b>Feb 16</b>	<b>\$266,640 / 6,308 = \$42.27 /customer</b>	<b>Feb 15</b>	<b>\$244,301 / 6,229 = \$39.22 /customer</b>
<b>Mar 16</b>	<b>\$252,719 / 6,377 = \$39.63 /customer</b>	<b>Mar 15</b>	<b>\$236,139 / 6,247 = \$37.80 /customer</b>

Attached for the Board's review are copies of the following correspondence:

- a) WWTP Data for Jan, Feb, and Mar, 2016
- b) Water & Sewer Revenue Tables F/Y 2016, 2015, 2014, 2013, 2012, 2011, 2010
- c) Water & Sewer Impact Fee Tables F/Y 2016, 2015, 2014, 2013, 2012, 2011, 2010
- d) West Course Maintenance Report
- e) Letter from Willowood Homeowners Assoc.

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SSRUS WWTP DATA  
March 2016

DATE	WWTP FLOW (MGD)	SUPPL FLOW DW, & #11D & MW#1 (MGD)	TOTAL COURSE IRRIG. (MGD)	WEST COURSE (MGD)	EAST COURSE (MGD)	EAST* COURSE WELL	EASTERN REUSE SITE	REUSE CSTMR'S (MGD)	LAKE LEVEL (FT)	RAIN FALL (IN)	RAIN FALL FLOW
1	1.344	var.	var.	var.	var.	var.	var.	var.	6.7	0.00	0.00
2	1.537	var.	var.	var.	var.	var.	var.	var.	6.4	0.00	0.00
3	1.566	var.	var.	var.	var.	var.	var.	var.	6.3	0.00	0.00
4	1.504	var.	var.	var.	var.	var.	var.	var.	6.8	0.50	0.06
5	1.460	var.	var.	var.	var.	var.	var.	var.	6.6	0.00	0.00
6	1.555	var.	var.	var.	var.	var.	var.	var.	6.4	0.00	0.00
7	1.474	var.	var.	var.	var.	var.	var.	var.	6.1	0.00	0.00
8	1.444	var.	var.	var.	var.	var.	var.	var.	5.8	0.00	0.00
9	1.447	var.	var.	var.	var.	var.	var.	var.	6.7	0.00	0.00
10	1.519	var.	var.	var.	var.	var.	var.	var.	5.9	0.00	0.00
11	1.612	var.	var.	var.	var.	var.	var.	var.	4.9	0.00	0.00
12	1.596	var.	var.	var.	var.	var.	var.	var.	5.8	1.50	0.18
13	1.547	var.	var.	var.	var.	var.	var.	var.	6.0	0.50	0.06
14	1.511	var.	var.	var.	var.	var.	var.	var.	6.1	0.00	0.00
15	1.508	var.	var.	var.	var.	var.	var.	var.	6.0	0.00	0.00
16	1.529	var.	var.	var.	var.	var.	var.	var.	6.0	0.00	0.00
17	1.557	var.	var.	var.	var.	var.	var.	var.	6.5	0.30	0.04
18	1.688	var.	var.	var.	var.	var.	var.	var.	6.4	0.74	0.09
19	1.628	var.	var.	var.	var.	var.	var.	var.	6.8	1.50	0.18
20	1.581	var.	var.	var.	var.	var.	var.	var.	6.8	0.00	0.00
21	1.524	var.	var.	var.	var.	var.	var.	var.	7.0	0.00	0.00
22	1.487	var.	var.	var.	var.	var.	var.	var.	6.9	0.00	0.00
23	1.425	var.	var.	var.	var.	var.	var.	var.	6.7	0.00	0.00
24	1.678	var.	var.	var.	var.	var.	var.	var.	6.4	0.00	0.00
25	1.745	var.	var.	var.	var.	var.	var.	var.	6.5	1.20	0.15
26	1.826	var.	var.	var.	var.	var.	var.	var.	5.9	0.50	0.06
27	2.212	var.	var.	var.	var.	var.	var.	var.	6.2	0.80	0.10
28	1.909	var.	var.	var.	var.	var.	var.	var.	6.5	1.30	0.16
29	1.898	var.	var.	var.	var.	var.	var.	var.	6.8	0.00	0.00
30	1.817	var.	var.	var.	var.	var.	var.	var.	7.0	0.00	0.00
31	1.735	var.	var.	var.	var.	var.	var.	var.	6.5	0.00	0.00
Max Day	49.863	0.000	9.033	8.368	0.665	0.000	22.520	9.825	5.900	8.840	1.08
AVG	2.212								0		
	1.608	0.000	0.291	0.270	0.021	0.000	0.726	0.317	6.16	0.285	0.035
Golf Course Average Irrigation			0.291								
*Includes East Course Well											

WWTP FLOW + RAIN FLOW + suppl flow - IRRIG - ERS - REUSE - LAKE GAIN = PERC  
 Avg 1.608 0.035 0.000 -0.291 -0.726 -0.317 0.019 = 0.328 MGD  
 ( = TOTAL FLOW )  
 ( 1.643 )

Lake Level (3/31) - Lake Level (2/29) = Lake Gain

6.5 6.9 -0.4 ft.  
 78.0 82.8 -4.8 in.

Formula	
WWTP FLOW	1.608
RAIN FLOW	0.035
suppl flow	0.000
- IRRIG	0.291
- ERS	0.726
0 - REUSE	0.317
- LAKE GAIN	-0.019
PERC:	0.328

ADDITIONAL COMMENTS:

1 Rain Fall Flow equals 1.22662x100,000 MG per inch of rain fall.

-4.800 in.  
 -0.589 mg.  
 -0.019 mgd

WWTP FLOW  
 RAIN FLOW  
 suppl flow  
 - IRRIG  
 - ERS  
 0 - REUSE  
 - LAKE GAIN  
 PERC:

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SSRUS WWTP DATA  
February 2016

DATE	WWTP FLOW (MGD)	SUPPL FLOW DW, & #11D & MW#1 (MGD)	TOTAL COURSE IRRIG. (MGD)	WEST COURSE (MGD)	EAST COURSE (MGD)	EAST* COURSE WELL	EASTERN REUSE SITE	REUSE CSTMR'S (MGD)	LAKE LEVEL (FT)	RAIN FALL (IN)	RAIN FALL FLOW
1	1.554	var.	var.	var.	var.	var.	var.	var.	6.9	0.00	0.00
2	1.560	var.	var.	var.	var.	var.	var.	var.	6.3	0.00	0.00
3	2.183	var.	var.	var.	var.	var.	var.	var.	6.1	0.00	0.00
4	1.911	var.	var.	var.	var.	var.	var.	var.	6.3	2.75	0.34
5	1.753	var.	var.	var.	var.	var.	var.	var.	6.5	0.00	0.00
6	1.734	var.	var.	var.	var.	var.	var.	var.	6.7	0.00	0.00
7	1.734	var.	var.	var.	var.	var.	var.	var.	6.9	0.00	0.00
8	1.694	var.	var.	var.	var.	var.	var.	var.	7.1	0.00	0.00
9	1.655	var.	var.	var.	var.	var.	var.	var.	6.7	0.00	0.00
10	1.602	var.	var.	var.	var.	var.	var.	var.	6.7	0.00	0.00
11	1.623	var.	var.	var.	var.	var.	var.	var.	6.7	0.00	0.00
12	1.531	var.	var.	var.	var.	var.	var.	var.	6.7	0.00	0.00
13	1.594	var.	var.	var.	var.	var.	var.	var.	6.1	0.00	0.00
14	1.492	var.	var.	var.	var.	var.	var.	var.	5.7	0.00	0.00
15	1.647	var.	var.	var.	var.	var.	var.	var.	5.8	0.00	0.00
16	1.550	var.	var.	var.	var.	var.	var.	var.	6.0	0.40	0.05
17	1.546	var.	var.	var.	var.	var.	var.	var.	6.1	0.00	0.00
18	1.592	var.	var.	var.	var.	var.	var.	var.	6.2	0.00	0.00
19	1.592	var.	var.	var.	var.	var.	var.	var.	6.3	0.00	0.00
20	1.741	var.	var.	var.	var.	var.	var.	var.	6.6	0.00	0.00
21	1.609	var.	var.	var.	var.	var.	var.	var.	6.7	0.00	0.00
22	1.619	var.	var.	var.	var.	var.	var.	var.	6.9	0.00	0.00
23	1.870	var.	var.	var.	var.	var.	var.	var.	6.4	0.14	0.02
24	1.822	var.	var.	var.	var.	var.	var.	var.	6.5	2.50	0.31
25	1.729	var.	var.	var.	var.	var.	var.	var.	6.7	0.00	0.00
26	1.627	var.	var.	var.	var.	var.	var.	var.	6.8	0.00	0.00
27	1.596	var.	var.	var.	var.	var.	var.	var.	6.8	0.00	0.00
28	1.659	var.	var.	var.	var.	var.	var.	var.	6.8	0.00	0.00
29	1.524	var.	var.	var.	var.	var.	var.	var.	6.9	0.00	0.00
Max Day	48.343	0.000	10.419	10.244	0.175	0.000	21.050	8.283	6.700	5.790	0.71
AVG	2.183	0.000	0.359	0.330	0.006	0.000	0.726	0.286	6.51	0.200	0.024
Golf Course Average Irrigation			0.359								
*Includes East Course Well											

WWTP FLOW + RAIN FLOW + suppl flow - IRRIG - ERS - REUSE - LAKE GAIN = PERC  
 Avg 1.667 0.024 0.000 -0.336 -0.726 -0.286 -0.010 = 0.334 MGD  
 ( = TOTAL FLOW )  
 ( 1.691 )

Lake Level (2/29) - Lake Level (1/31) = Lake Gain  
 6.9 6.7 0.2 ft.  
 82.8 80.4 2.4 in.

ADDITIONAL COMMENTS:

1 Rain Fall Flow equals 1.22662x100,000 MG per inch of rain fall.

2.400 in.  
 0.294 mg.  
 0.010 mgd

	Formula
WWTP FLOW	1.667
RAIN FLOW	0.024
suppl flow	0.000
- IRRIG	0.336
- ERS	0.726
0 - REUSE	0.286
- LAKE GAIN	0.010
PERC:	0.334

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SSRUS WWTP DATA  
January 2016

DATE	WWTP FLOW (MGD)	SUPL FLOW DW, & #11D & MW#1 (MGD)	TOTAL COURSE IRRIG. (MGD)	WEST COURSE (MGD)	EAST COURSE (MGD)	EAST* COURSE WELL	EASTERN REUSE SITE	REUSE CSTMR'S (MGD)	LAKE LEVEL (FT)	RAIN FALL (IN)	RAIN FALL FLOW
1	2.634	var.	var.	var.	var.	var.	var.	var.	6.9	0.30	0.04
2	2.371	var.	var.	var.	var.	var.	var.	var.	7.2	0.18	0.02
3	2.355	var.	var.	var.	var.	var.	var.	var.	7.1	0.00	0.00
4	1.810	var.	var.	var.	var.	var.	var.	var.	6.9	0.00	0.00
5	1.810	var.	var.	var.	var.	var.	var.	var.	6.7	0.00	0.00
6	1.907	var.	var.	var.	var.	var.	var.	var.	6.6	0.00	0.00
7	1.927	var.	var.	var.	var.	var.	var.	var.	6.7	0.00	0.00
8	2.142	var.	var.	var.	var.	var.	var.	var.	6.8	0.36	0.04
9	2.104	var.	var.	var.	var.	var.	var.	var.	7.2	0.00	0.00
10	1.954	var.	var.	var.	var.	var.	var.	var.	6.6	1.00	0.12
11	1.795	var.	var.	var.	var.	var.	var.	var.	5.9	0.00	0.00
12	1.757	var.	var.	var.	var.	var.	var.	var.	6.4	0.00	0.00
13	1.786	var.	var.	var.	var.	var.	var.	var.	6.9	0.00	0.00
14	1.928	var.	var.	var.	var.	var.	var.	var.	6.9	0.00	0.00
15	1.501	var.	var.	var.	var.	var.	var.	var.	6.8	0.48	0.06
16	1.502	var.	var.	var.	var.	var.	var.	var.	6.5	0.00	0.00
17	1.648	var.	var.	var.	var.	var.	var.	var.	6.5	0.27	0.03
18	1.732	var.	var.	var.	var.	var.	var.	var.	6.7	0.00	0.00
19	1.710	var.	var.	var.	var.	var.	var.	var.	6.8	0.00	0.00
20	1.748	var.	var.	var.	var.	var.	var.	var.	7.0	0.00	0.00
21	2.060	var.	var.	var.	var.	var.	var.	var.	6.7	0.45	0.06
22	1.931	var.	var.	var.	var.	var.	var.	var.	6.7	2.00	0.25
23	1.784	var.	var.	var.	var.	var.	var.	var.	6.5	0.00	0.00
24	1.752	var.	var.	var.	var.	var.	var.	var.	6.6	0.00	0.00
25	1.697	var.	var.	var.	var.	var.	var.	var.	6.9	0.00	0.00
26	1.698	var.	var.	var.	var.	var.	var.	var.	6.9	0.00	0.00
27	1.742	var.	var.	var.	var.	var.	var.	var.	6.9	0.86	0.11
28	1.688	var.	var.	var.	var.	var.	var.	var.	6.4	0.30	0.04
29	1.670	var.	var.	var.	var.	var.	var.	var.	6.4	0.00	0.00
30	1.584	var.	var.	var.	var.	var.	var.	var.	6.5	0.00	0.00
31	1.705	var.	var.	var.	var.	var.	var.	var.	6.7	0.00	0.00
Max Day	57.432	0.068	13.152	13.152	0.000	0.000	25.781	11.533	6.900	6.200	0.76
AVG	2.634	0.002	0.424	0.424	0.000	0.000	0.832	0.372	6.9	0.200	0.025
Golf Course Average Irrigation			0.424								
*Includes East Course Well											

WWTP FLOW + RAIN FLOW + suppl flow - IRRIG - ERS - REUSE - LAKE GAIN = PERC  
 Avg 1.853 0.025 0.002 -0.424 -0.832 -0.372 0.009 = 0.261 MGD  
 ( = TOTAL FLOW )  
 ( 1.879 )

Lake Level (1/31) - Lake Level (12/31) = Lake Gain  
 6.7 6.9 -0.2 ft.  
 80.4 82.8 -2.4 in.

ADDITIONAL COMMENTS:

1 Rain Fall Flow equals 1.22662x100,000 MG per inch of rain fall.

-2.400 in.  
 -0.294 mg.  
 -0.009 mgd

	Formula
WWTP FLOW	1.853
RAIN FLOW	0.025
suppl flow	0.002
- IRRIG	0.424
- ERS	0.832
0 - REUSE	0.372
- LAKE GAIN	-0.009
PERC:	0.261

SSRUS	FY 2016	REVENUE						Sewer Consump (1000 gal)	Sewer Customers	Total Dollars YTD	Budget Req-mnts YTD	Over/Short YTD
		Water Dollars	Water Consump (1000 gal)	Water Customers	Sewer Dollars	Sewer Consump (1000 gal)	Sewer Customers					
	Oct-15	\$156,278	25,725	4,334	\$292,505	36,508	6,336	\$448,782	\$409,583	\$39,199		
	Nov-15	\$142,128	22,003	4,334	\$268,594	31,585	6,324	\$859,503	\$819,167	\$40,336		
	Dec-15	\$134,178	19,676	4,335	\$267,371	31,308	6,319	\$1,261,052	\$1,228,750	\$32,302		
	Jan-16	\$147,369	23,540	4,313	\$267,047	30,861	6,309	\$1,675,468	\$1,638,333	\$37,135		
	Feb-16	\$134,139	19,792	4,303	\$266,640	31,250	6,308	\$2,076,247	\$2,047,917	\$28,330		
	Mar-16	\$130,547	18,744	4,316	\$252,719	28,111	6,377	\$2,459,513	\$2,457,500	\$2,013		
	Apr-16											
	May-16											
	Jun-16											
	Jul-16											
	Aug-16											
	Sep-16											
	TOTALS	\$844,638			\$1,614,875							
	AVG.	\$140,773	21,580	4,323	\$269,146	31,604	6,329					

Water monthly requirement \$151,250  
Sewer monthly requirement: \$258,333  
\$409,583

SSRUS	FY 2015	REVENUE						Sewer Consump (1000 gal)	Sewer Customers	Total Dollars YTD	Budget Req-mnts YTD	Over/Short YTD
		Water Dollars	Water Consump (1000 gal)	Water Customers	Sewer Dollars	Sewer Consump (1000 gal)	Sewer Customers					
	Oct-14	\$133,741			\$260,061				\$393,802	\$387,500	\$6,302	
	Nov-14	\$139,771			\$283,272				\$816,845	\$775,000	\$41,845	
	Dec-14	\$127,262			\$250,697				\$1,194,803	\$1,162,500	\$32,303	
	Jan-15	\$124,079			\$249,380				\$1,568,263	\$1,550,000	\$18,263	
	Feb-15	\$119,512	18,807	4,278	\$244,301	4,278	28,910	6,229	\$1,932,075	\$1,937,500	-\$5,425	
	Mar-15	\$120,859	19,305	4,300	\$236,129	4,300	27,096	6,247	\$2,289,063	\$2,325,000	-\$35,937	
	Apr-15	\$123,739	20,283	4,275	\$259,600	4,275	32,775	6,235	\$2,672,402	\$2,712,500	-\$40,098	
	May-15	\$138,568	24,914	4,318	\$270,120	4,318	34,639	6,288	\$3,081,089	\$3,100,000	-\$18,911	
	Jun-15	\$142,294	24,481	4,343	\$275,015	4,343	36,398	6,335	\$3,498,398	\$3,487,500	\$10,898	
	Jul-15	\$144,849	25,350	4,314	\$278,060	4,314	36,693	6,298	\$3,921,306	\$3,875,000	\$46,306	
	Aug-15	\$157,111	27,711	4,324	\$281,905	4,324	37,225	6,294	\$4,360,323	\$4,262,500	\$97,823	
	Sep-15	\$143,336	23,541	4,324	\$270,620	4,324	34,710	6,303	\$4,774,279	\$4,650,000	\$124,279	
	TOTALS	\$1,615,119			\$3,159,159							
	AVG.	\$134,593	23,049	4,310	\$263,263	4,310	33,556	6,279				

Water monthly requirement \$141,667  
Sewer monthly requirement: \$245,833  
\$387,500

SSRUS	FY 2014	REVENUE						Sewer Dollars	Sewer Consump (1000 gal)	Sewer Customers	Misc. Charges	Total Dollars YTD	Budget Req-mnts YTD	Over/Short YTD
		Water Dollars	Water Consump (1000 gal)	Water Customers	Sewer Dollars	Sewer Consump (1000 gal)	Sewer Customers							
Oct-13	\$132,102				\$240,080						\$372,182	\$339,923	\$32,259	
Nov-13	\$188,628				\$386,076						\$946,886	\$679,846	\$267,040	
Dec-13	\$120,209				\$221,839						\$1,288,934	\$1,019,769	\$269,165	
Jan-14	\$123,952				\$237,097						\$1,649,983	\$1,359,692	\$290,291	
Feb-14	\$142,433				\$264,805						\$2,057,221	\$1,699,615	\$357,606	
Mar-14	\$116,865				\$216,869						\$2,390,955	\$2,039,538	\$351,417	
Apr-14	\$122,567				\$239,974						\$2,753,497	\$2,379,461	\$374,036	
May-14	\$134,869				\$254,665						\$3,143,031	\$2,719,384	\$423,647	
Jun-14	\$134,159				\$257,207						\$3,534,397	\$3,059,307	\$475,090	
Jul-14	\$137,338				\$277,937						\$3,949,672	\$3,399,230	\$550,442	
Aug-14	\$131,555				\$253,078						\$4,334,304	\$3,739,153	\$595,151	
Sep-14	\$144,649				\$294,000						\$4,772,954	\$4,079,076	\$693,878	
TOTALS	\$1,629,326				\$3,143,627									
AVG.	\$135,777	#DIV/0!	#DIV/0!	#DIV/0!	\$261,969	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	\$0				

Water monthly requirement \$120,702  
Sewer monthly requirement: \$219,221  
\$339,923

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SSRUS MONTHLY IMPACT FEES - 2016

MONTH	WATER	SEWER	YTD WATER	YTD SEWER	YTD TOTAL	BUDGETED	OVER/UNDER
October-15	\$4,500	\$31,975	\$4,500	\$31,975	\$36,475	\$0	\$36,475
November-15	\$4,500	\$33,800	\$9,000	\$65,775	\$74,775	\$0	\$74,775
December-15	\$2,250	\$28,600	\$11,250	\$94,375	\$105,625	\$0	\$105,625
January-16	\$0	\$522,150	\$11,250	\$616,525	\$627,775	\$0	\$627,775
February-16	\$9,000	\$36,400	\$20,250	\$652,925	\$673,175	\$0	\$673,175
March-16	\$10,800	\$75,776	\$31,050	\$728,701	\$759,751	\$0	\$759,751
April-16							
May-16							
June-16							
July-16							
August-16							
September-16							
Avg.							

Water tap annual requirement: \$0 Monthly \$0  
 Sewer tap annual requirement: \$0 Monthly \$0  
 Combined annual requirement: \$0 Monthly \$0

SSRUS MONTHLY IMPACT FEES - 2015

MONTH	WATER	SEWER	YTD WATER	YTD SEWER	YTD TOTAL	BUDGETED	OVER/UNDER
October-14	\$25	\$3,375	\$25	\$3,375	\$3,400	\$0	\$3,400
November-14	\$2,250	\$14,300	\$2,275	\$17,675	\$19,950	\$0	\$19,950
December-14	\$3,550	\$22,100	\$5,825	\$39,775	\$45,600	\$0	\$45,600
January-15	\$4,150	\$13,775	\$9,975	\$53,550	\$63,525	\$0	\$63,525
February-15	\$0	\$33,800	\$9,975	\$87,350	\$97,325	\$0	\$97,325
March-15	\$2,750	\$50,700	\$12,725	\$138,050	\$150,775	\$0	\$150,775
April-15	\$3,220	\$53,527	\$15,945	\$191,577	\$207,522	\$0	\$207,522
May-15	\$0	\$140,850	\$15,945	\$332,427	\$348,372	\$0	\$348,372
June-15	\$2,250	\$26,000	\$18,195	\$358,427	\$376,622	\$0	\$376,622
July-15	\$4,500	\$24,175	\$22,695	\$382,602	\$405,297	\$0	\$405,297
August-15	\$2,250	\$18,600	\$24,945	\$401,202	\$426,147	\$0	\$426,147
September-15	\$4,325	\$33,800	\$29,270	\$435,002	\$464,272	\$0	\$464,272
Avg.							

Water tap annual requirement:

\$0

Monthly

\$0

\$0

Sewer tap annual requirement:

\$0

Monthly

\$0

\$0

Combined annual requirement:

\$0

Monthly

\$0

\$0

SSRUS MONTHLY IMPACT FEES - 2014

MONTH	WATER	SEWER	YTD WATER	YTD SEWER	YTD TOTAL	BUDGETED	OVER/UNDER
October-13	\$5,875	\$60,550	\$5,875	\$60,550	\$66,425	\$0	\$66,425
November-13	\$12,750	\$17,150	\$18,625	\$77,700	\$96,325	\$0	\$96,325
December-13	\$4,500	\$45,600	\$23,125	\$123,300	\$146,425	\$0	\$146,425
January-14	\$4,500	\$10,400	\$27,625	\$133,700	\$161,325	\$0	\$161,325
February-14	\$9,000	\$29,900	\$36,625	\$163,600	\$200,225	\$0	\$200,225
March-14	\$11,250	\$45,500	\$47,875	\$209,100	\$256,975	\$0	\$256,975
April-14	\$500	\$36,400	\$48,375	\$245,500	\$293,875	\$0	\$293,875
May-14	\$8,575	\$29,375	\$56,950	\$274,875	\$331,825	\$0	\$331,825
June-14	\$1,550	\$16,421	\$58,500	\$291,296	\$349,796	\$0	\$349,796
July-14	\$7,925	\$28,600	\$66,425	\$319,896	\$386,321	\$0	\$386,321
August-14	\$20,250	\$52,000	\$86,675	\$371,896	\$458,571	\$0	\$458,571
September-14	\$2,250	\$29,375	\$88,925	\$401,271	\$490,196	\$0	\$490,196
Avg.							

Water tap annual requirement:

Sewer tap annual requirement:

Combined annual requirement:

\$0  
 \$0  
 \$0

Monthly  
 Monthly  
 Monthly

\$0  
 \$0  
 \$0

SSRUS MONTHLY IMPACT FEES - 2013

MONTH	WATER	SEWER	YTD WATER	YTD SEWER	YTD TOTAL	BUDGETED	OVER/UNDER
October-12	\$2,250	\$13,100	\$2,250	\$13,100	\$15,350	\$0	\$15,350
November-12	\$0	\$9,900	\$2,250	\$23,000	\$25,250	\$0	\$25,250
December-12	\$2,250	\$7,750	\$4,500	\$30,750	\$35,250	\$0	\$35,250
January-13	\$0	\$39,300	\$4,500	\$70,050	\$74,550	\$0	\$74,550
February-13	\$0	\$12,000	\$4,500	\$82,050	\$86,550	\$0	\$86,550
March-13	\$0	\$71,600	\$4,500	\$153,650	\$158,150	\$0	\$158,150
April-13	\$14,075	\$52,200	\$18,575	\$205,850	\$224,425	\$0	\$224,425
May-13	\$3,425	\$24,200	\$22,000	\$230,050	\$252,050	\$0	\$252,050
June-13	\$2,250	\$22,575	\$24,250	\$252,625	\$276,875	\$0	\$276,875
July-13	\$3,525	\$9,800	\$27,775	\$262,425	\$290,200	\$0	\$290,200
August-13	\$2,250	\$15,975	\$30,025	\$278,400	\$308,425	\$0	\$308,425
September-13	\$1,687	\$17,275	\$31,712	\$295,675	\$327,387	\$0	\$327,387
Avg.							

Water tap annual requirement:

Sewer tap annual requirement:

Combined annual requirement:

\$0

\$0

\$0

Monthly

Monthly

Monthly

\$0

\$0

\$0

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SSRUS MONTHLY IMPACT FEES - 2012

MONTH	WATER	SEWER	YTD WATER	YTD SEWER	YTD TOTAL	BUDGETED	OVER/UNDER
October-11	\$0	\$6,500	\$0	\$6,500	\$6,500	\$0	\$6,500
November-11	\$5,625	\$33,074	\$5,625	\$39,574	\$45,199	\$0	\$45,199
December-11	\$0	\$16,524	\$5,625	\$56,098	\$61,723	\$0	\$61,723
January-12	\$75	\$26,924	\$5,700	\$83,022	\$88,722	\$0	\$88,722
February-12	\$4,500	\$50,607	\$10,200	\$133,629	\$143,829	\$0	\$143,829
March-12	\$0	\$5,900	\$10,200	\$139,529	\$149,729	\$0	\$149,729
April-12	\$0	\$38,600	\$10,200	\$178,129	\$188,329	\$0	\$188,329
May-12	\$0	\$24,400	\$10,200	\$202,529	\$212,729	\$0	\$212,729
June-12	\$10,125	\$26,775	\$20,325	\$229,304	\$249,629	\$0	\$249,629
July-12	\$0	\$20,800	\$20,325	\$250,104	\$270,429	\$0	\$270,429
August-12	\$2,250	\$21,700	\$22,575	\$271,804	\$294,379	\$0	\$294,379
September-12	\$0	\$93,184	\$22,575	\$364,988	\$387,563	\$0	\$387,563
Avg.							

Water tap annual requirement: \$0 Monthly  
 Sewer tap annual requirement: \$0 Monthly  
 Combined annual requirement: \$0 Monthly

SSRUS MONTHLY IMPACT FEES - 2011

MONTH	WATER	SEWER	YTD WATER	YTD SEWER	YTD TOTAL	BUDGETED	OVER/UNDER
October-10		\$1,047	\$0	\$1,047	\$1,047	\$0	\$1,047
November-10		\$3,750	\$0	\$4,797	\$4,797	\$0	\$4,797
December-10		\$6,247	\$0	\$11,044	\$11,044	\$0	\$11,044
January-11		\$45,247	\$0	\$56,291	\$56,291	\$0	\$56,291
February-11	\$4,500	\$11,446	\$4,500	\$67,737	\$72,237	\$0	\$72,237
March-11	\$4,500	\$7,047	\$9,000	\$74,784	\$83,784	\$0	\$83,784
April-11	\$1,688	\$10,522	\$10,688	\$85,306	\$95,993	\$0	\$95,993
May-11		\$11,447	\$10,688	\$96,753	\$107,440	\$0	\$107,440
June-11	\$2,250	\$88,147	\$12,938	\$184,900	\$197,837	\$0	\$197,837
July-11	\$4,500	\$31,679	\$17,438	\$216,579	\$234,016	\$0	\$234,016
August-11		\$11,343	\$17,438	\$227,922	\$245,359	\$0	\$245,359
September-11	\$2,250	\$61,951	\$19,688	\$289,873	\$309,560	\$0	\$309,560
Avg.							

Water tap annual requirement: \$0 Monthly  
 Sewer tap annual requirement: \$0 Monthly  
 Combined annual requirement: \$0 Monthly

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SSRUS MONTHLY IMPACT FEES - 2010

MONTH	WATER	SEWER	YTD WATER	YTD SEWER	YTD TOTAL	BUDGETED	OVER/UNDER
October-09	\$2,250	\$9,621	\$2,250	\$9,621	\$11,871	\$0	\$11,871
November-09	\$0	\$1,047	\$2,250	\$10,668	\$12,918	\$0	\$12,918
December-09	\$2,250	\$6,247	\$4,500	\$16,915	\$21,415	\$0	\$21,415
January-10	\$0	\$6,247	\$4,500	\$23,162	\$27,662	\$0	\$27,662
February-10	\$0	\$18,015	\$4,500	\$41,177	\$45,677	\$0	\$45,677
March-10	\$0	\$14,822	\$4,500	\$55,999	\$60,499	\$0	\$60,499
April-10	\$0	\$1,047	\$4,500	\$57,046	\$61,546	\$0	\$61,546
May-10	\$2,250	\$6,247	\$6,750	\$63,293	\$70,043	\$0	\$70,043
June-10	\$0	\$6,247	\$6,750	\$69,540	\$76,290	\$0	\$76,290
July-10	\$0	\$1,047	\$6,750	\$70,587	\$77,337	\$0	\$77,337
August-10	\$0	\$1,047	\$6,750	\$71,634	\$78,384	\$0	\$78,384
September-10	\$0	\$1,047	\$6,750	\$72,681	\$79,431	\$0	\$79,431
Avg.							

Water tap annual requirement:

Sewer tap annual requirement:

Combined annual requirement:

\$0

\$0

\$0

Monthly

Monthly

Monthly

\$0

\$0

\$0



# City of Gulf Breeze

To: Vernon L. Prather, Director of Public Services

From: Jason Randell, Lead Operator Tiger Point WWTP *J.R.*

Date: April 8, 2016

Re: West Course Maintenance Update

## **Inmate Crew:**

The inmate crew is wrapping up winter projects. These include removing popcorn trees and other trees that are either dead or dying etc. The stumps were either grinded down or removed completely in order to not interfere with mowing. The debris pile by Sea Shadow has been cleared and next we will smooth out the ground to make it level with the surrounding area.

The inmate crew started mowing and trimming the waterway edges on the back nine. They are scheduled to routinely maintain the pond and ditch banks and to mow and trim designated areas throughout the growing season. The WWTF staff have begun mowing the larger areas using the 2 new tri-deck mowers. The entire course has been mowed twice so far and we began the third mowing on Thursday April 7.

## **Lake Doctors:**

The service contract with Lake Doctors for controlling aquatic vegetation in the waterways on the back nine was not renewed this year. Without a monthly aquatic vegetation control program, weeds will become a nuisance in the ponds and physical removal may be required in the future once the weeds become established. I received a quote from Lake Doctors for a monthly program that will control aquatic vegetation in 5.5 acres of surface water and 7,000 linear feet of shoreline for \$555 per month (\$6,660 annually).

[Type text]

***Recommendation:*** I recommend renewing the contract with Lake Doctors.

**Areas considered for aquatic vegetation control:**

Pond at holes 1 & 9

Pond at holes 10 & 18

Lionsgate Pond

Willowood Pond

**Irrigation Update:**

There are supposed to be around 1,000 heads total for the front and back nine holes. To date we are able to run and have operational control of about 125 heads which irrigates approximately 35 acres. There are approximately another 100 heads (approx. 25 acres) that can dispose of water but cannot be controlled properly yet for good turf management. The condition of the remaining 775 heads is unknown. The heads are either missing all together from when the golf crew "robbed" them over the past several years to replace bad heads on the east, plugged in the foot valves or capped(abandoned), or are "undiscovered operable". These are heads that operate but are undiscovered because we have not yet been able to get water and or water pressure to the heads due to leaks, line breaks, and zones that are operable but cannot be shut off-thereby robbing pressure and flow to undiscovered areas.

The progress is slow and meticulous at times but we are much better off than we were a year ago. We can actually control zones now and can target watering somewhat. We can use the system for disposal without totally washing everything out. I have several areas identified that are prime targets for fertilization and weed control, where we can restore Bermuda turf. I believe we will be able to at least double our Bermuda acreage this summer.

To get the irrigation system restored to golf course standards will require a major renovation. I have spoke with 2 design build companies and the rough estimate pricing ranges from \$1.0-\$1.5 M with a new pump house included. The service life of buried Sch40 PVC is 15-20 years and most of the piping has been in place since the 1960's.

[Type text]

Repairing and replacing hydraulic lines to get heads to turn on and off and replacing bad heads etc (which has been our primary focus) focuses at only a portion of the overall challenge. If we were to get all of the hydraulics, heads, and controllers working 100%, we would still be facing infrastructure issues---lots of leaks everywhere in the aged schedule 40 piping. The big ones are easy to detect --we made several repairs on 18, 10, and 17 last year--in order to be able to get pressure to heads in those areas. These were easily identified due to the wet spots in the turf. Well before the West Course was sprayed with round up for pre-renovation, the irrigation piping in the ground was deemed unreliable. The golf staff in the past had to deal with chronic line breaks and the pump station could not be left in auto mode because the leaks would cause the main pumps to cycle too frequently—which causes line breaks and prematurely wears out pumps and motors.

We can and will continue to make repairs and improvements as we have been doing and make progress, though it may be slower than some expect. We are gaining more ground and will continue. To contract out the work we are currently doing (restore what is already in the ground) may make the progress faster, but the costs are \$800-\$1000 per day for a local irrigation contractor. For about \$20-\$30,000 a contractor can make significant progress over a period of a month or two (not including parts). The parts costs may be as high as \$10,000 for heads, controllers, and misc. parts and pieces. The contractors I spoke with told me that they would do what we are already doing--ie there is no other way but to pick it a part one head at a time, one hole at a time etc--but they would have 2-3 people working on it every day etc.

The local contractors I spoke with all agreed that it would be money well spent to replace the heads with electric heads and do away with hydraulics all together. The labor costs would be the similar. The additional costs would be in replacement heads. But this would not address the infrastructure--the aged and brittle pipelines that feed the heads.

***Recommendation:***

I recommend that for the rest of FY16, we continue the progress we are making in-house. Until a long term plan for the West Course is decided, If the progress we are making in-

[Type text]

house does not meet expectations, and until a major renovation is decided, then we should budget \$40,000 additional funds for FY17 to speed up the repairs/improvements of the current system.

### **Drainage Swale at 11/17 Fairway & Pond 2 Drainage Inlet**

The drainage swale cut by the county to drain the Lionsgate pond is eroding and depositing sand in the drainage creek. In addition, in the process of cutting the swale, several irrigation lines were severed which isolates holes 12-16 from the irrigation supply system. A long-term solution is needed which adequately controls the Lionsgate pond levels during storm events and normal conditions and stops the erosion that is occurring across holes 11 and 17. The most logical solution is to install a culvert pipe underground across the fairway and maintain the same discharge location as the current system. Another concept relocates the discharge to the northwest across 11/17 to the drainage ditch behind the houses on Laguna drive. This would help maintain a freshwater flow to the drainage creek which will help reduce odors, control vegetation, and provide an overall improved aesthetic appearance.

The drainage inlet structure at Pond 2 has been undermined due to corrosion and erosion. The pond level remains well below the design level which has a negative effect on the percolation of the water table. This interferes with our dry weather irrigation storage capacity in Pond 1.

We will obtain budgetary quotes for both of these projects and seek approval for the projects for the next FY.

# WILLOWOOD HOMEOWNERS' ASSOCIATION

1299 Willowood Circle

Gulf Breeze, Florida 32563

---

January 22, 2016

Mr. Vernon Prather  
Gulf Breeze City Hall  
1070 Shoreline Drive  
Gulf Breeze, Florida 32561

Dear Mr. Prather:

The Willowood Homeowners' Association Board of Directors has asked me to send you a letter of sincere appreciation.

You, and your crew of young men, are to be thanked for your work clearing, cutting and disposing of a long line of trees, brush and debris on the Tiger Point Golf and Country Club West Course (along the 14<sup>th</sup> Fairway), behind a number of our Willowood homes.

These had grown up since Hurricane Ivan and since the West Course has been dormant. The area was covered with trees that had grown up to 20 feet tall, thick brush and weeds. It totally blocked any view of the area.

You and your crew disposed of all of it and made the area much cleaner and viewable.

We thank you, sincerely for your time and efforts.

Those positively impacted in Willowood include the Stanfords, the Cyrs, the Mellows, Ms. Berti, the Brownells, the Bodens, the Brackens, Ms. Dollinger, Mr. Witt, Ms. Henderson and others.

Please know that this was greatly appreciated.



Larry Bracken

President



# Florida Department of Environmental Protection

Northwest District  
160 W. Government Street, Suite 308  
Pensacola, Florida 32502-5740

Rick Scott  
Governor

Carlos Lopez-Cantera  
Lt. Governor

Jonathan P. Steverson  
Secretary

April 4, 2016

## BY ELECTRONIC MAIL

(vprather@ci.gulf-breeze.fl.us)

City of Gulf Breeze  
Attn: Vernon L. Prather, Director of Public Services  
Post Office Box 640  
Gulf Breeze, FL 32563

South Santa Rosa Utility System WWTP  
Permit No.: FLA010212  
Updated Capacity Analysis Report Accepted

Dear Mr. Prather:

This is to inform you that the revised, updated Capacity Analysis Report (CAR) for the South Santa Rosa Utility System WWTP received on April 4, 2016 satisfies the requirements of the permit and Rule 62-600.405, Florida Administrative Code.

The CAR indicates that the South Santa Rosa Utility System (SSRUS) WWTP will likely reach its permitted capacity by the end of 2019 and that SSRUS has plans to increase the facility's treatment capacity. The report proposes the following schedule: begin preliminary planning in 2016 (underway), begin development of plans and specifications in 2017, and submit a permit application in 2018.

An updated capacity analysis report shall be submitted to the Department annually by February 28 of each year. The current operating permit will expire on December 20, 2017 and an application for renewal is due on June 23, 2017. We encourage a preliminary meeting with our office to discuss plans for the expansion early in the design stage and submission of a Preliminary Design Report for review and comment prior to submission of the application for a substantial permit revision. We look forward to working with SSRUS on its treatment plant expansion. If you have any questions, please contact Katie Ates at (850) 595-0656 or [Katie.L.Ates@dep.state.fl.us](mailto:Katie.L.Ates@dep.state.fl.us).

Sincerely,

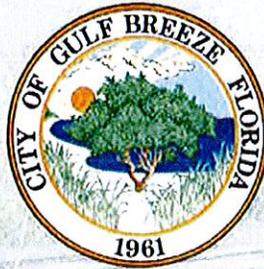
A handwritten signature in blue ink that reads "William A. Evans".

William A. Evans, P.E.  
Wastewater Permitting Supervisor

c:

James E. Anderson, P.E., Baskerville-Donovan, Inc. ([janderson@baskervilledonovan.com](mailto:janderson@baskervilledonovan.com))

# UPDATED CAPACITY ANALYSIS REPORT FOR 2015



Prepared for:

**SOUTH SANTA ROSA UTILITY SYSTEM  
WASTEWATER TREATMENT FACILITY  
1150 CIRCLE LANE  
GULF BREEZE, FL 32563**

**FDEP Facility I.D. No.  
FDEP Permit No.  
Permit Expiration**

**FLA010212  
FLA010212-021-DW1P/NR  
December 20, 2017**

Prepared by:

 **BASKERVILLE-DONOVAN, INC.**  
Innovative Infrastructure Solutions  
**449 W. MAIN STREET  
PENSACOLA, FL 32502  
(850) 438-9661  
EB-0000340**

**Project Number 20410.30**

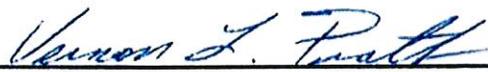
**Revised March 2016**

## UPDATED CAPACITY ANALYSIS REPORT FOR 2015

### CERTIFICATIONS

#### A. APPLICANT OR AUTHORIZED REPRESENTATIVE:

I CERTIFY THAT THE STATEMENTS MADE IN THIS REPORT AND ALL ATTACHMENTS ARE TRUE, CORRECT AND COMPLETE TO THE BEST OF MY KNOWLEDGE AND BELIEF. FURTHER, I AM FULLY AWARE OF THE CONTENTS OF THIS REPORT AND INTEND TO COMPLY WITH THE RECOMMENDATIONS AND SCHEDULES INCLUDED HEREIN.

  
\_\_\_\_\_  
Vernon L. Prather, Director of Public Services  
City of Gulf Breeze  
1070 Shoreline Drive  
Gulf Breeze, FL 32561  
(850) 934-5100

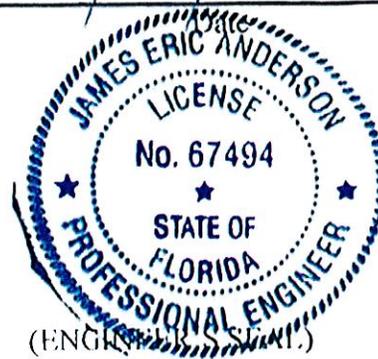
4/1/16  
\_\_\_\_\_  
Date

#### B. AUTHORIZED ENGINEER:

I CERTIFY THAT THE STATEMENTS MADE IN THIS REPORT ARE TRUE AND ACCURATE TO THE BEST OF MY KNOWLEDGE AND THAT THIS REPORT WAS PREPARED IN ACCORDANCE WITH SOUND ENGINEERING PRINCIPLES. FURTHER, ALL RECOMMENDATIONS AND SCHEDULES IN THE REPORT WERE DISCUSSED WITH THE PERMITTEE OR A DELEGATED REPRESENTATIVE OF THE PERMITTEE. I FURTHER CERTIFY THAT PLANNING AND PRELIMINARY DESIGN OF NECESSARY EXPANSIONS HAVE BEEN INITIATED.

  
\_\_\_\_\_  
James E. Anderson, P.E. # 67494  
Project Engineer  
Baskerville-Donovan, Inc.  
449 W. Main Street  
Pensacola, FL 32502  
(850) 438-9661

3/17/2016  
\_\_\_\_\_  
Date





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**2015 Updated Capacity Analysis Report**



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## 1 Introduction

### 1.1 Overview

This report is being submitted in accordance with Domestic Wastewater Facility Permit FLA010212 under which the permittee is operating. It is a follow up to the Updated Capacity Analysis Report completed by James E. Anderson, P.E., Baskerville-Donovan, Inc. and submitted to the Florida Department of Environmental Protection (FDEP) in February 2015.

The South Santa Rosa Utility System Wastewater Treatment Facility (SSRUS WWTF) is located adjacent to the Tiger Point Golf Course in southern Santa Rosa County Florida. It was first constructed as a 0.6 MGD facility in 1968 to serve a portion of the peninsula of southern Santa Rosa County. In 1988, the facility was upgraded to 2.0 MGD and received flow from the City of Gulf Breeze in 1992. **Appendix A** is a series of maps illustrating the overall wastewater and reclaimed service area and the areas currently served by reclaimed water.

The facility underwent an expansion, completed in May of 2000, changing the process from a 2.0 MGD contact stabilization plant to a 2.0 MGD annual average daily flow (AADF) five stage BardenPho nutrient removal process that is classified as Advanced Wastewater Treatment with Class I Reliability. The headworks has two 3 MGD rotating screens and a manual bypass bar screen, a 5.5 MGD centrifugal free vortex grit removal system, two 1 MGD 5-stage Bardenpho biological nutrient removal trains consisting of an anaerobic zone, two anoxic zones, an aerobic zone and a re-aeration zone, two 1.5 MGD tertiary filters, two gaseous chlorine feed system chlorine contact chambers, a Parshall flume with ultrasonic flow meter, two 53,400 gallon sludge thickeners, two aerobic digesters and a 0.101 MGD centrifuge that dewater residuals which are then hauled by GreenSouth to land application on agricultural sites in northern Walton County, Florida. A plant site plan, process flow diagram and hydraulic profile are provided in **Appendix B**.

The upgrade also included the construction of several spray fields that increased the capacity of the reuse/disposal system from 1.4 MGD to 1.777 MGD. The facility currently disposes of reclaimed water by a percolation/storage pond, irrigation spray fields, and public access irrigation. The spray field irrigation consists of the City owned Tiger Point Golf Course and the utility owned spray fields. The Utility has added several commercial and residential users of reclaimed water with Major User general permits and minor user notifications. The Tiger Point Golf Course analyzed loading rates and gained approval from the Department to increase its current application rate. This permit modification increased the total system reuse capacity to 2.0 MGD.

The treatment plant has a total of 5.76 MG available in ponds for storage of reclaimed water during wet weather conditions. This is 0.24 MG less than the required amount of wet weather storage equivalent to 3 days of flow. Due to this shortage, the treatment plant is flow limited to 1.92 MGD AADF permitted capacity pending availability of adequate wet weather storage for a slow-rate public access land application system. A 2 MG concrete ground storage tank is used for reject storage and meets the criteria of reject storage space equivalent to one day of plant capacity.



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When the permit was issued in 2007 there was a parallel permit issued for a proposed plant on Bergren Rd. The associated capacity of storage at the proposed plant increased the total reuse capacity to 4.5 MGD. With the issuance of the 2012 permit, the parallel permit was not renewed and the reclaimed capacity was evaluated and set at 3.0 MGD.



## 2 Existing Conditions

### 2.1 Permitted Capacities

The South Santa Rosa Utility System Wastewater Treatment Facility (SSRUS WWTF) in Tiger Point was designed for a total capacity of 2.0 MGD. The design of the plant was based on the limits for the influent and effluent parameters outlined in **Table 1** and as modified by the current permit. This is based on the Annual Average Daily Flows (AADF).

Table 1. Permitted Limits

	Parameter	Limitation	Basis	Frequency
Influent	CBOD5 (Design Level) Monitor Only	200 mg/L	Annual Average	
	TSS (Design Level) Monitor Only	200 mg/L	Annual Average	
Effluent	pH	6.0 (min) 8.5 (max)	Single Sample	Continuous
	Chlorine Residual (minimum)	1.0 mg/L	Single Sample	Continuous
	CBOD5	5 mg/L	Annual Average	Weekly
	TSS	5 mg/L	Single Sample	4 Days/Wk
	Total Nitrogen	8 mg/L	Annual Average	Weekly
	Total Phosphorus	3 mg/L	Annual Average	Weekly
	Fecal Coliform	25/100ml	Single Sample	4 Days/Wk

Note: Effluent is further monitored by monitoring wells on the golf course and Utility owned spray fields.

### 2.2 Flow Monitoring

The effluent discharge flow is measured by a Eastech Vantage 2210 (Parshall Flume) that was installed April 13, 2010 and last calibrated on January 15, 2016 by Jeremy Baird from Aqua Products. It is located at the discharge of the chlorine contact chamber.

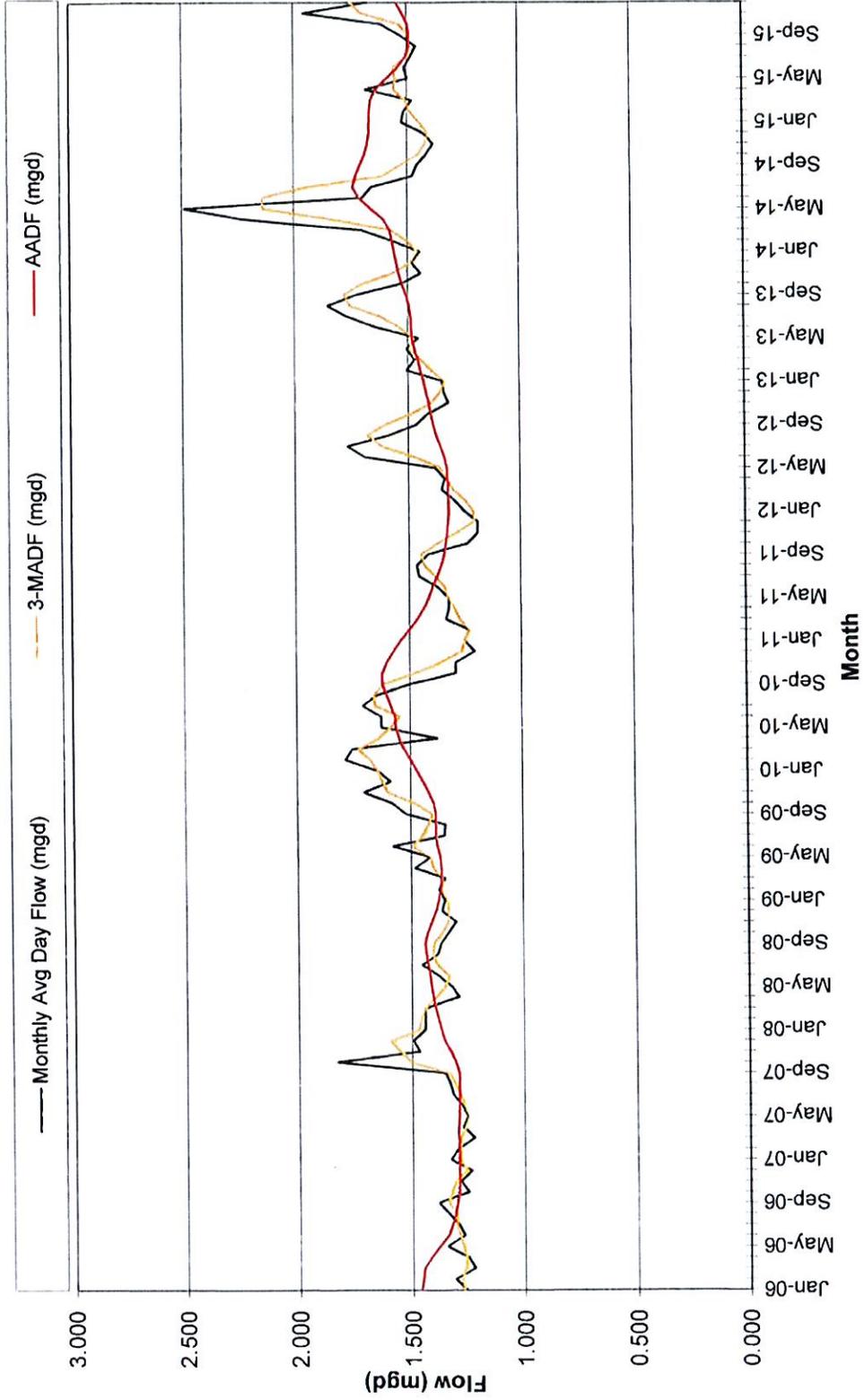
**Appendix C** contains a tabulation of flow data for the SSRUS WWTF at Tiger Point detailing the past twenty years (1996-2015). This was compiled from Discharge Monitoring Reports (DMR) obtained from the treatment facility and from FDEP. This tabulation shows the Maximum Daily Flow for each month (MMDF), the Monthly Average Daily Flows (MADF), the Three Month Average Daily Flows (3-MADF), the Annual Average Daily Flows (AADF), and other associated yearly summaries. **Figure 1** is a graphic representation of the MADF, the 3-MADF and the AADF from 2006 through 2015. **Figure 2** is a graphic representation of the MMDF of this data for the same period of time.



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Figure 1. Historical Flow Data (Jan 2006 thru Dec 2015)

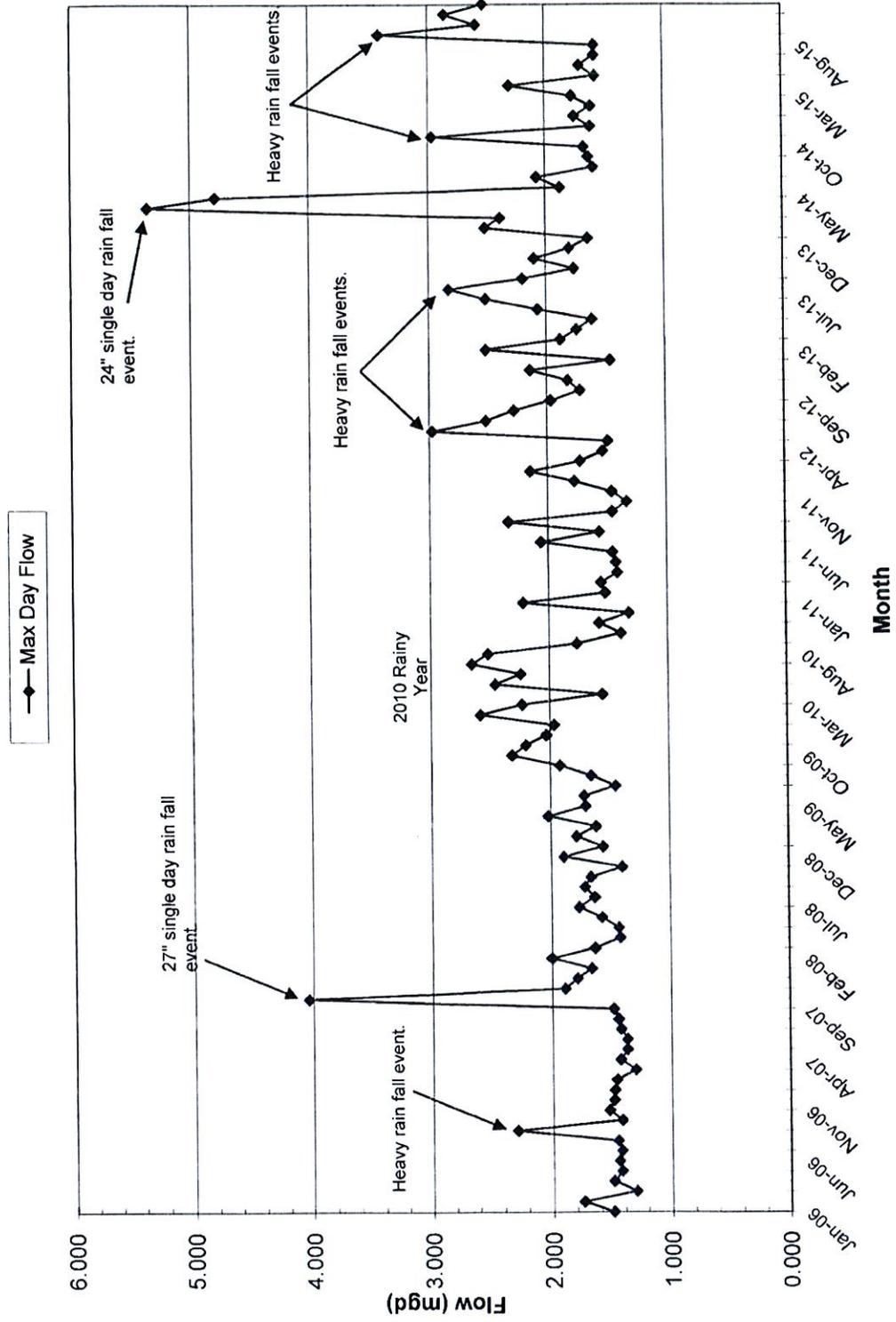




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Figure 2. Historical Flow Data – Monthly Maximum Daily Flow (MGD)





In **Figure 2** above, the maximum monthly daily flow shows two extreme spikes. The first is attributed to a single day event where 27” of rain fell within a 24 hour period in October 2007. The second is attributed to a single day event where 24” of rain fell within less than a 24 hour period in April 2014. The winter of 2009 and most of 2010 were also unusually wet periods.

### 2.3 Seasonal Variation

**Table 2** summarizes the Historical Flow Data found in **Appendix C** from 2006 through 2015 and lists the AADF, Maximum 3-MADF, the ratio of these two values, and the month in which the 3-MADF is maximum and minimum. Additionally, the percent deviation from AADF for Maximum 3-MADF and Minimum 3-MADF for each year is shown.

A review of **Table 2** shows that the 3-MADF variation from the AADF is 13.2%. The maximum 3-MADF typically occurred in the early to mid-winter months. This appears to be a result of heavy rainfall in the later months of fall. The minimum flows generally occurred during the winter months when weather is cooler and average daily usage of water is at a low.

Table 2. Historical Flow Data Summary 2006 – 2015

YEAR	AA DF (mgd)	Max 3-MADF Month	Max 3-MADF (mgd)	Ratio	% > AADF (mgd)	Min 3-MADF Month	Min 3-MADF (mgd)	% > AADF (mgd)
2006	1.287	Sept	1.336	1.038	3.8%	Dec	1.258	-2.3%
2007	1.369	Dec	1.599	1.168	16.8%	May	1.250	-8.7%
2008	1.375	Jan	1.469	1.068	6.8%	June	1.327	-3.5%
2009	1.470	Dec	1.628	1.107	10.7%	Jan	1.334	-9.3%
2010	1.541	Mar	1.735	1.126	12.6%	Dec	1.264	-18.0%
2011	1.316	Sept	1.448	1.100	10.0%	Dec	1.207	-8.3%
2012	1.434	Aug	1.685	1.176	17.6%	Jan	1.211	-15.5%
2013	1.563	Sept	1.785	1.142	14.2%	Jan	1.334	-14.6%
2014	1.665	May	2.142	1.287	28.7%	Dec	1.412	-15.2%
2015	1.579	Dec	1.751	1.109	10.9%	Jan	1.448	-8.3%
Average	1.460	n/a	1.658	1.132	13.2%	n/a	1.305	-10.4%

The design loading parameters for the SSRUS WWTF include CBOD5 and TSS. The limits of the concentrations for these parameters were presented in **Table 1**. The current loading information (January 2015 - December 2015) is shown in **Table 3**. The largest CBOD5 recorded was 776 mg/l in 2007 which exceeds the design parameter of 200 mg/l by 388% but no readings were near that high during 2015. The average CBOD5 for the year was 200 mg/L, which is 100% of the design limit. Maximum monthly values for CBOD5 exceeded the design limits in five of the twelve months. The largest TSS recorded was 386 mg/l in February 2010 which exceeded the



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average design limit of 200 mg/l by 193%. The average TSS for 2015 was 91% of the design parameter. Maximum monthly values for TSS exceeded the design limits in July and August.

Table 3. 2015 Loading Information

Month	Influent CBOD5 Monthly Maximum Sample		Influent TSS Monthly Maximum Sample	
	(mg/L)	% Design	(mg/L)	% Design
Jan. 2015	193	97%	167	84%
Feb. 2015	234	117%	190	95%
Mar. 2015	208	104%	196	98%
Apr. 2015	198	99%	200	100%
May 2015	213	107%	194	97%
Jun. 2015	179	90%	163	82%
Jul. 2015	214	107%	228	114%
Aug. 2015	184	92%	257	129%
Sep. 2015	179	90%	183	92%
Oct. 2015	168	84%	157	79%
Nov. 2015	161	81%	112	56%
Dec. 2015	269	135%	137	69%
<b>Average</b>	<b>200</b>	<b>100%</b>	<b>182</b>	<b>91%</b>

Historically, BOD was increasing but is now showing a downward trend. Between 2003 and 2009 CBOD5 averaged 247 mg/l; between 2003 and 2013 this average dropped to 229 mg/l and between 2009 and 2013 the average was 209 mg/l. Over the last five years (2011 – 2015), the average has been 182 mg/l which is below the design parameter of 200 mg/l. The annual averages for TSS is also trending downward and continues to average below the design parameter.



### 3 Future Conditions

#### 3.1 Methodology

A series of maps of the franchise area are included in **Appendix A**, and an excerpt from Santa Rosa County's current Future Land Use map showing allowable land uses in the franchise area is included in **Appendix D**. There is no expected change in the franchise area or the land use for the next ten year period. SSRUS is not expected to serve much more of its franchise area due to existing septic tanks and the high costs of retrofitting those areas. However, there are ongoing investigations into the feasibility of retrofitting areas with septic tanks as residents of areas inquire about sewer availability and funding sources become available.

Population growth, and associated wastewater flow, is the single most important factor in planning for future plant upgrades. Customer growth, projected through 2035, provides the framework for analyzing the plant to determine whether or not it can meet future flows and is the basis for determining what capacity will be required, how large the facilities must be and when they need to be online and in service. Projections are subjective and are not valid for the long-term. Although projections are made for a twenty-year period, the five-year projections are considered most reliable for establishing the near term construction projects.

#### 3.2 Population Projections

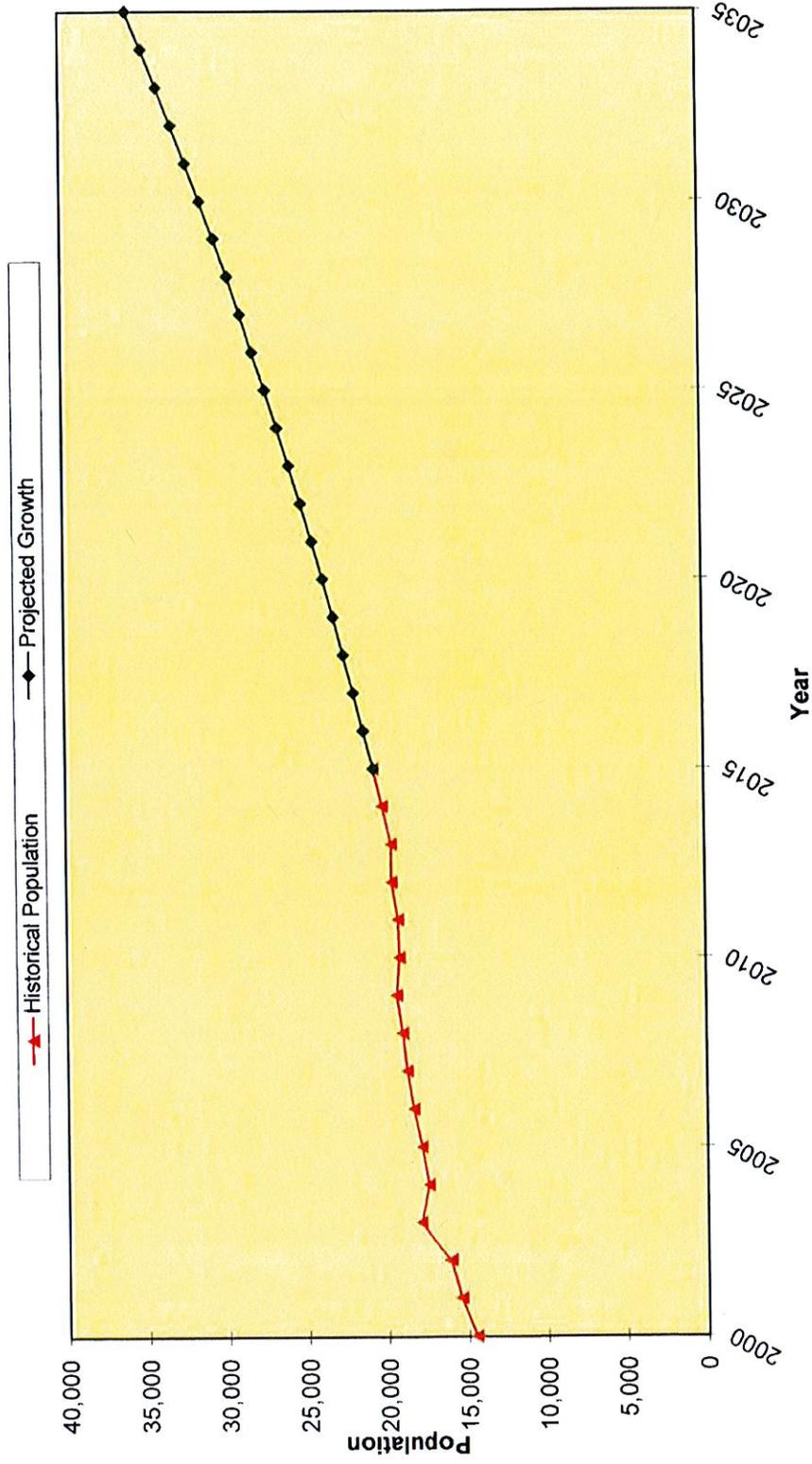
The U.S. Census Bureau projected an annual growth rate of 3.2% from 2005 to 2010 and an annual increase of 2.4% per year from 2010 through 2015. Historical records from the City of Gulf Breeze indicate that the annual growth rate between 2009 and 2015 was 2.8%. Based upon historical data and an assumption that the economy is going to improve, the 2.8% annual rate of increase was continued and projected through the planning period to approximate when an expansion should occur and the magnitude of the expansion. **Figure 3** depicts the yearly projected population using these projections.



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Figure 3. Population Projections





### **3.3 Flow Projections**

Ten years of historical records indicate that the utility averages approximately 200 gallons per connection per day. The U.S. Census Bureau reported in 2010 that a typical household in Santa Rosa County, Florida averages 2.63 persons. Utilizing the criteria in the previous paragraph for population growth and the gallons per day per connection, wastewater flow projections were developed.

All flow expectations correspond with the anticipated growth projections presented above. The franchise area at this time is zoned for minimal industrial uses that are not expected to contribute industrial flows to the treatment plant. All commercial and non-residential facilities are included in the estimate of the residential flows. Commercial facilities in this area are generally support facilities for the residents, such as restaurants, shops and gas stations. Therefore, the commercial contributions are considered to be a function of the population and the gallons used per tap.

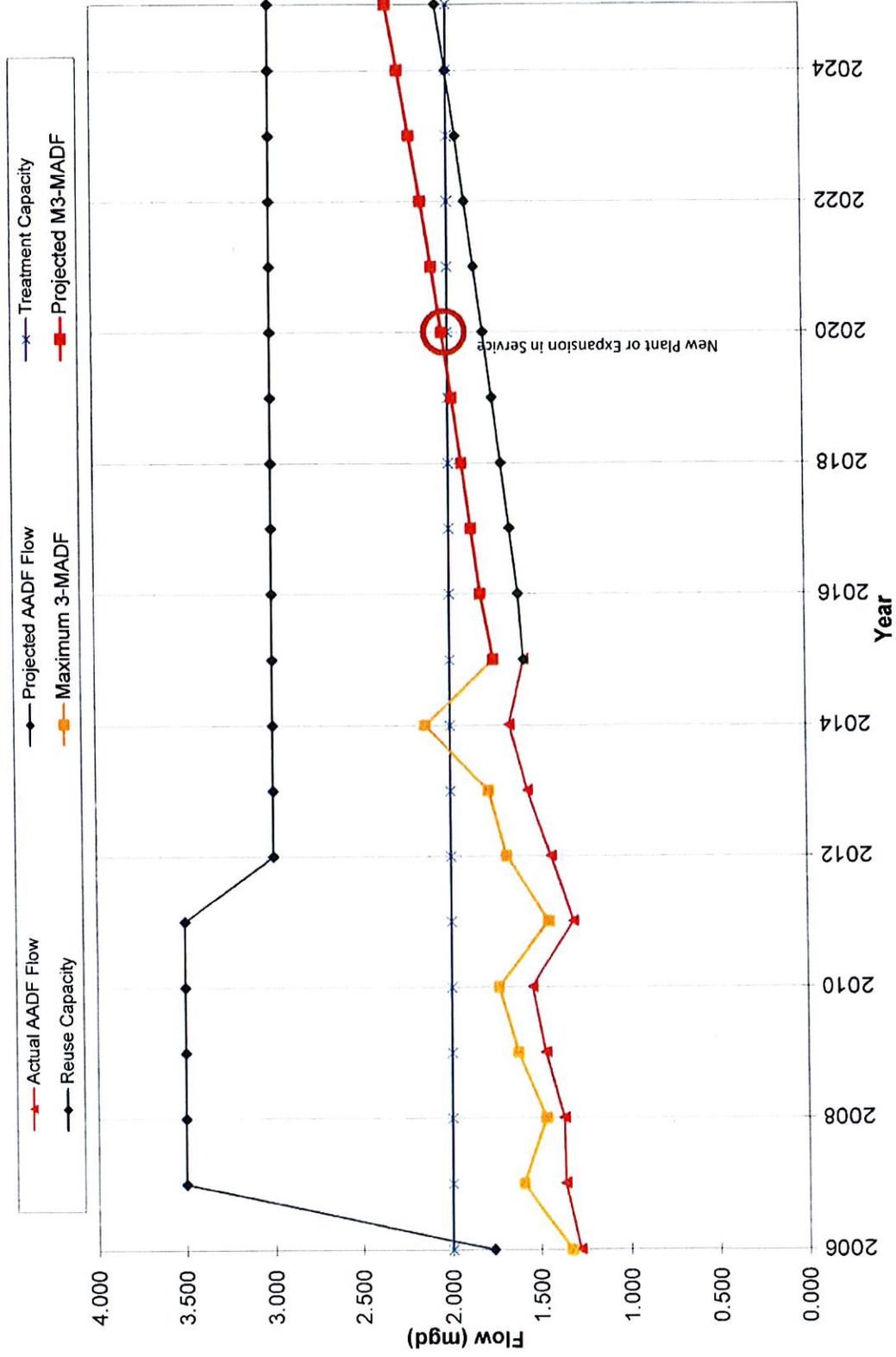
To project wastewater flows, the above data was used and extrapolated out to 2035. In accordance with FDEP F.A.C. 62-600.405, the need for a new or expanded facility is predicated upon when the 3-month average daily flow is perceived to exceed the permitted plant capacity. In accordance with the current permit, the plant capacity is based upon the Annual Average Daily Flow. **Figure 4** depicts the yearly projected flows using these projections for the Annual Average Daily Flow and the Maximum 3-month average flow, illustrating when a plant expansion may be expected.



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Figure 4. Maximum 3-Month Flow Projections Through 2025





## 4 Summary and Conclusions

### 4.1 Time Analysis

Figure 4 shows the past and projected annual average daily flow from 2000 through 2035. The projections are based on a projected annual growth rate of 2.8% through 2035. Also shown are limits for the treatment capacity (2.0 MGD) and the reuse capacity (3.0 MGD). From the graph it can be seen that the treatment facility capacity for annual average daily flow is projected to be exceeded in late 2024. Over the last several years the point of reaching plant capacity has continued to push out to later years. Past reports targeted 2007 – 2008 as a time frame of when a new plant or expansion would be needed. The past down turn in the economy caused the growth rate to fall which contributed to the delay in the need to construct the new plant.

### 4.2 Recommendations for Expansion

In accordance with the FDEP permit, the plant is currently flow limited to 1.92 MGD. This is due to a shortfall in the wet weather storage. The facility currently has a wet weather storage capacity of 5.76 MG and is required to have wet weather storage capacity of 6.0 MGD. The utility is currently in the design phase of a new 300,000 elevated storage tank for the reuse system. This tank will be utilized to maintain pressure on the reclaimed system while the pumps are off line and will also contribute to the total wet weather storage requirements. This will result in a wet weather storage capacity of 6.06 MG and restoration of full plant capacity of 2.0 MGD.

Future capacity needs have been developed through long-term planning that has been underway for over ten years. Previous Capacity Analysis Reports had indicated that a new or modified treatment plant would be required by 2008. In the last several annual reports this date has continually moved out due to the economic down turn. Figure 4 above indicates that the maximum 3-month annual flows will most likely exceed the permitted capacity near the end of 2019. Rule 62-600.405(8)(a) F.A.C. requires that planning and preliminary design of necessary expansions shall be initiated if the plant capacity is perceived to be exceeded within the next five years. When the Utility purchased the Tiger Point Golf Course, provisions were made to set aside additional property next to the current WWTP to provide for on-site expansion. Preliminary layouts have been explored for the best use of the property with the expansion needs. Along with this preliminary design effort, the Utility has completed the design of a new eastern facility. Portions of these plans can actually be utilized should the required plant expansion occur at the existing facility.

### 4.3 Expansion Schedules

The construction of the 300,000 gallon elevated storage tank will meet the additional wet weather storage capacity necessary to eliminate the flow limitations within the existing permit. The elevated tank should be placed on line some time in 2017.



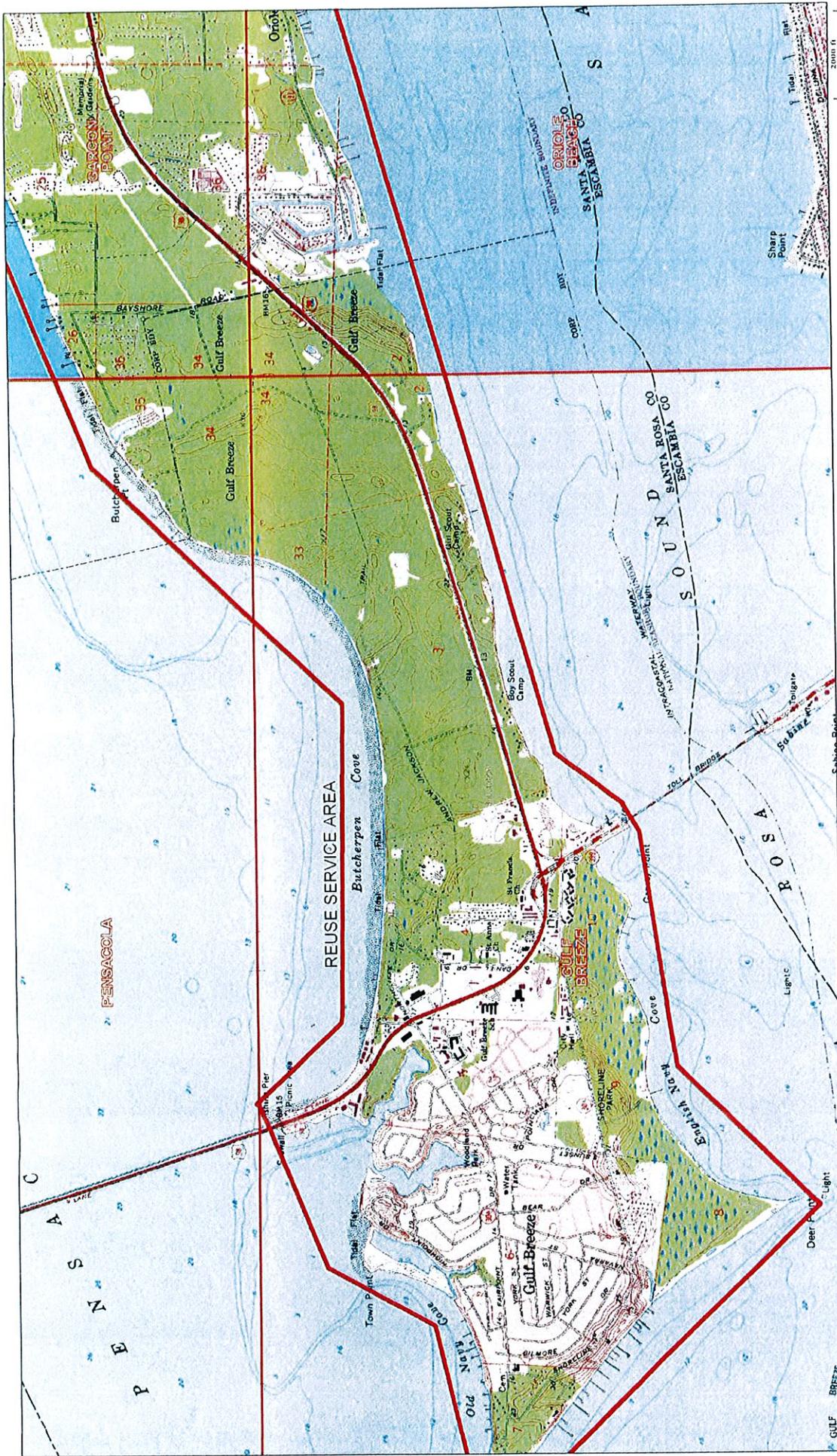
Table 4. Plant Expansion Schedule

Rule	Requirement	Year	Eastern Plant Status	Existing Plant Expansion Status
62-600.405(8)(a)	Begin preliminary planning if capacity exceeded in next five years	2016	Complete	In progress
62-600.405(8)(b)	Begin plans and specifications if capacity is exceeded in next four years	2017	Review for updated codes and equipment	Begin development of plans and specifications
62-600.405(8)(c)	Construction permit application submitted when capacity is exceeded within next three years	2018	Resubmit permit application	Submit permit application

This table illustrates options that the Utility has for plant expansions and the status of those options. As the need for the plant expansion nears, the Utility can decide which direction is most feasible.



**APPENDIX A  
REUSE AREA AND USERS MAP**



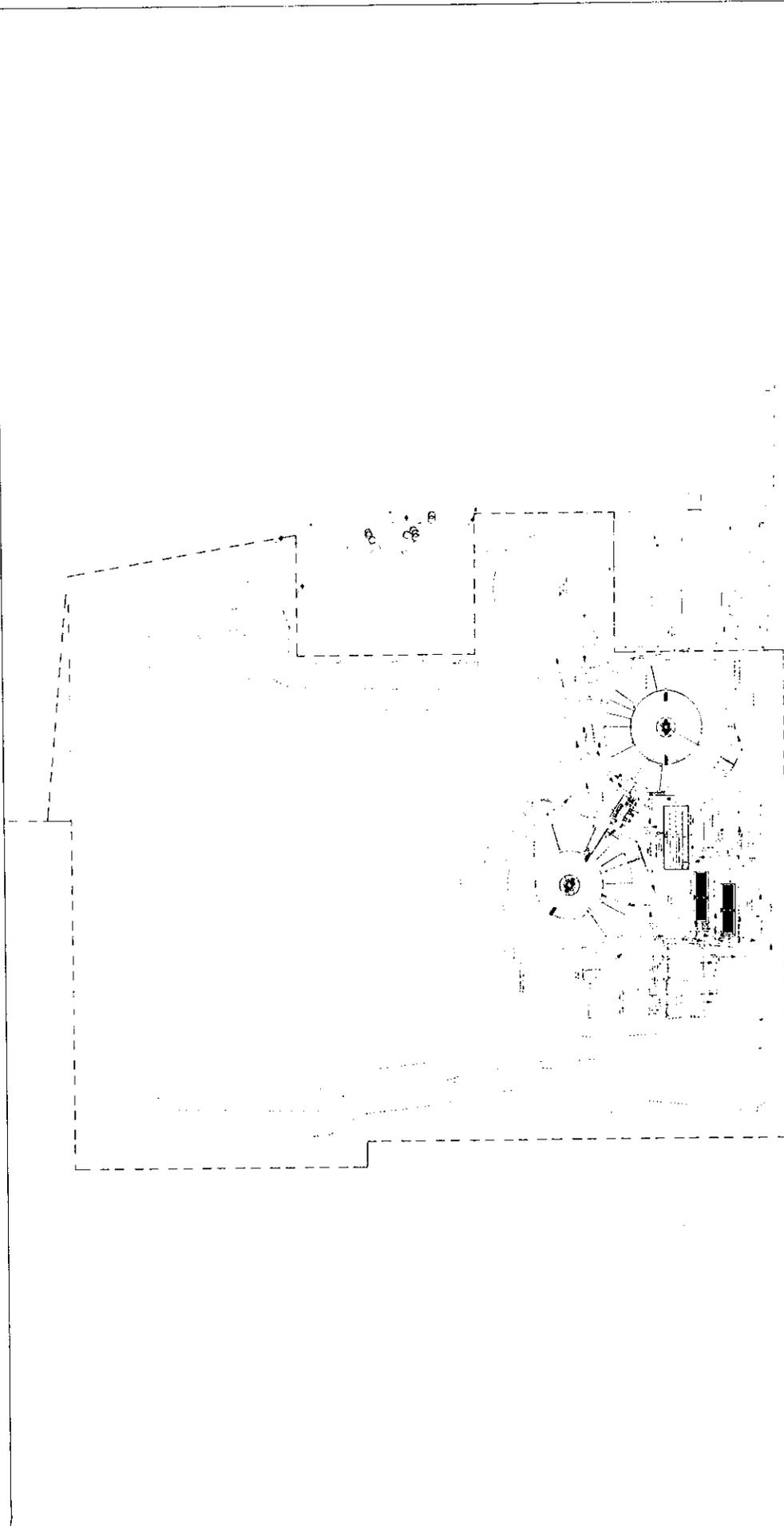
Copyright © 2000 DeLorme TopoTours Advanced Print Kit TE. Scale: 1:24,000 Zoom Level: 13 of Datum: WGS84







**APPENDIX B  
SITE PLAN  
PROCESS FLOW SCHEMATIC  
HYDRAULIC PROFILE**



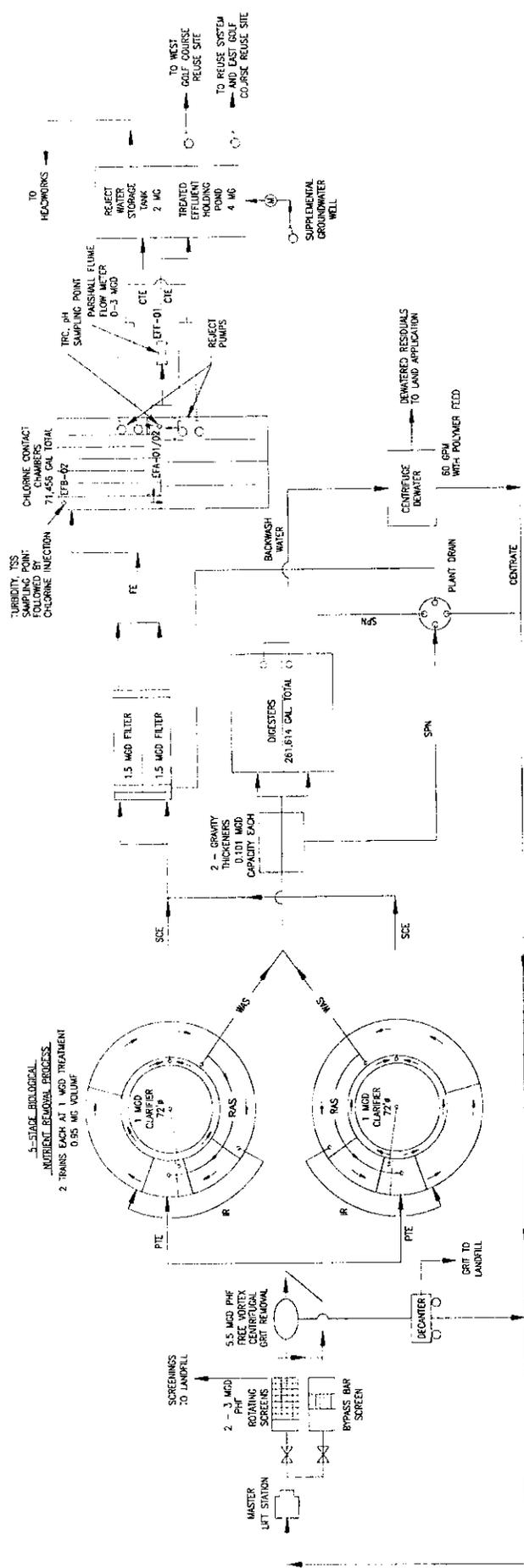
SSRUS WASTEWATER TREATMENT FACILITY  
EXISTING SITE PLAN



**BASKERVILLE-  
DONOVAN, INC.**

INNOVATIVE INFRASTRUCTURE SOLUTIONS

449 WEST MAIN STREET  
PENSACOLA, FLORIDA 32501 (850)343-9661



**LEGEND**

- PTE PRELIMINARY TREATMENT EFFLUENT
- IR INTERNAL RECYCLE
- SCE SECONDARY CLARIFIER EFFLUENT
- RAS RETURN ACTIVATED SLUDGE
- WAS WASTE ACTIVATED SLUDGE
- FE FILTERED EFFLUENT
- GTE CONTACT TANK EFFLUENT
- METER
- SPN SUPERNATANT
- PUMP
- SAMPLING POINT

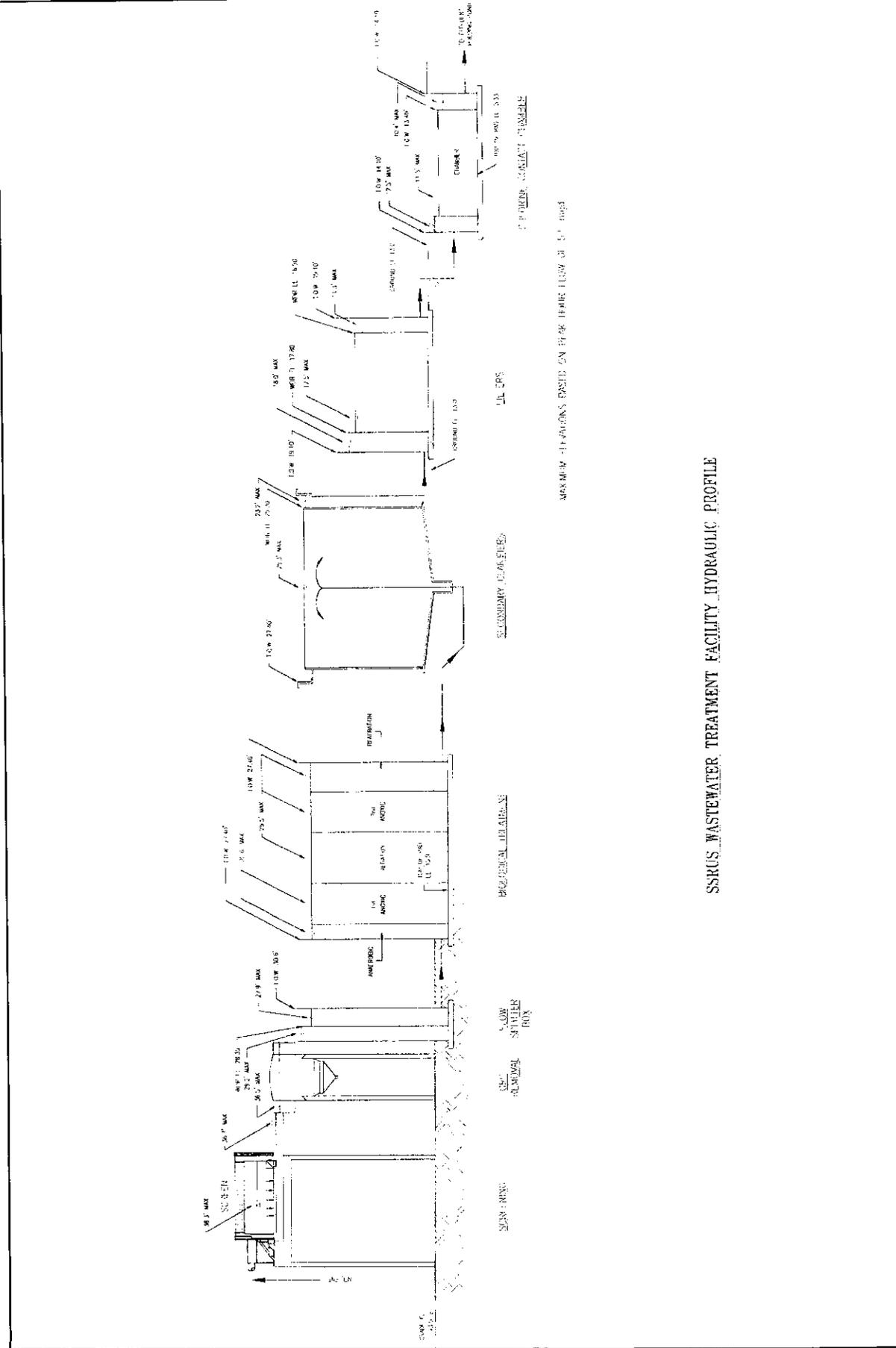
# SSRUS WASTEWATER TREATMENT FACILITY PROCESS FLOW DIAGRAM



**BASKERVILLE-DONOVAN, INC.**  
Innovative Infrastructure Solutions

449 W. MAIN ST., PENSACOLA, FL 32502 (850)438-9661  
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Pensacola - Panama City Beach - Tallahassee - Mobile - Brevard County - Tampa



SSRUS WASTEWATER TREATMENT FACILITY HYDRAULIC PROFILE



**APPENDIX C**  
**FLOW TABULATIONS 1996 - 2015**

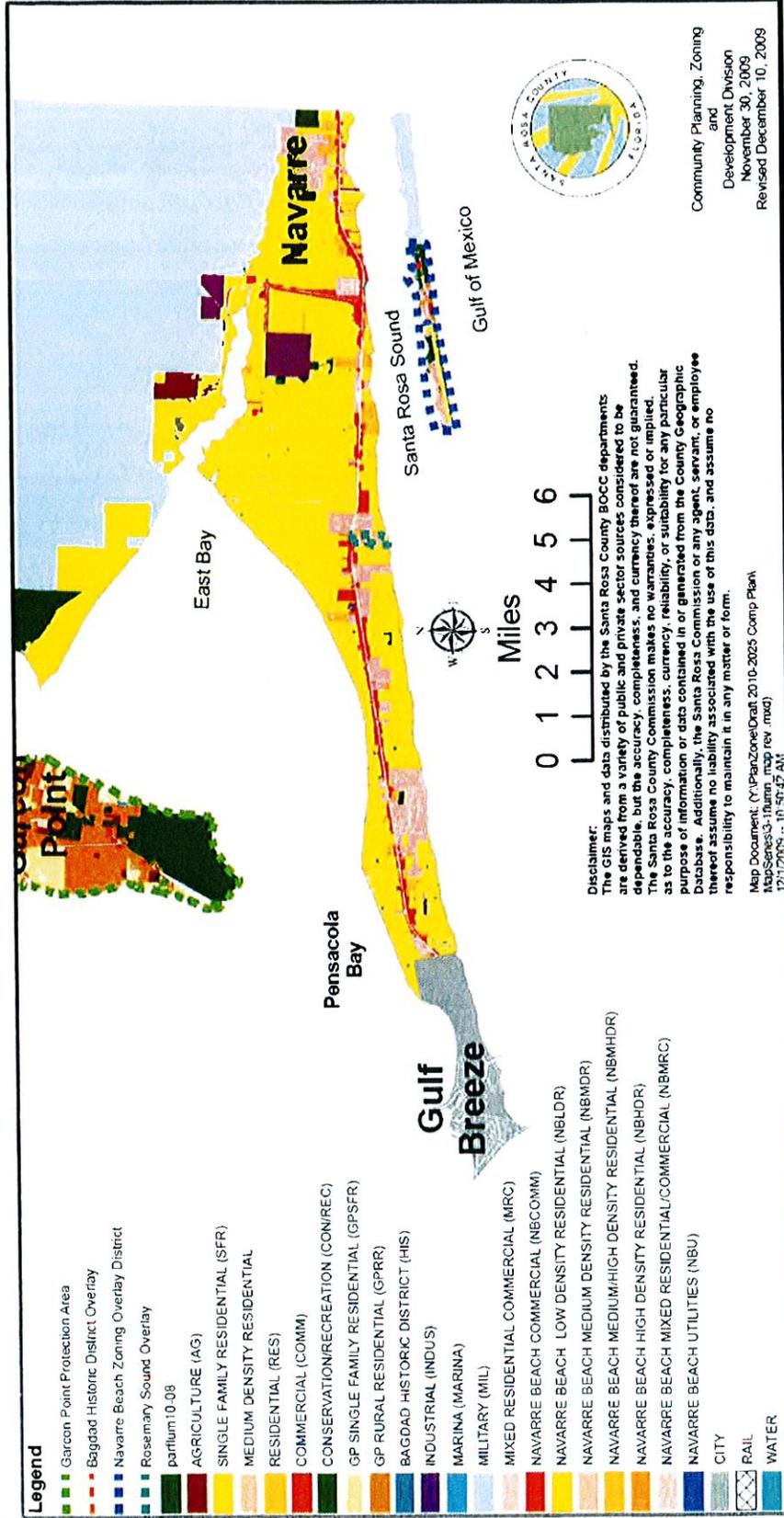
APPENDIX C  
CAPACITY ANALYSIS REPORT

Date	Monthly Flow (mgd)			Summary (mgd)	Date	Monthly Flow (mgd)			Summary (mgd)
	MADF	MA3DF	3-MA3DF			MADF	MA3DF	3-MA3DF	
Jan-96	n/a	n/a	n/a		Jan-06	1,501	1,262	1,270	
Feb-96	n/a	n/a	n/a		Feb-06	1,745	1,307	1,281	
Mar-96	n/a	n/a	n/a		Mar-06	1,306	1,227	1,285	
Apr-96	n/a	n/a	n/a		Apr-06	1,499	1,254	1,283	
May-96	1,260	1,185	n/a	Annual Average 1,178	May-06	1,430	1,342	1,274	Annual Average 1,287
Jun-96	1,240	1,130	n/a	Max. 3-Month ADF 1,207	Jun-06	1,453	1,269	1,288	Max. 3-Month ADF 1,336
Jul-96	1,330	1,195	1,170	Ratio (3-M/Avg) 1,024	Jul-06	1,430	1,293	1,301	Ratio (3-M/Avg) 1,038
Aug-96	1,340	1,197	1,174	Min 3-Month ADF 1,163	Aug-06	1,461	1,334	1,299	Min 3-Month ADF 1,258
Sep-96	1,540	1,258	1,207	Max. Mon. ADF 1,228	Sep-06	2,292	1,382	1,336	Max. Mon. ADF 1,382
Oct-96	1,390	1,150	1,195		Oct-06	1,424	1,251	1,322	
Nov-96	1,520	1,140	1,176		Nov-06	1,532	1,284	1,306	
Dec-96	1,480	1,188	1,183		Dec-06	1,491	1,239	1,258	
Jan-97	1,410	1,179	1,169		Jan-07	1,487	1,325	1,283	
Feb-97	1,420	1,199	1,186		Feb-07	1,469	1,293	1,286	
Mar-97	1,320	1,174	1,183		Mar-07	1,305	1,227	1,282	
Apr-97	1,450	1,158	1,176		Apr-07	1,437	1,272	1,264	
May-97	1,500	1,188	1,173	Annual Average 1,188	May-07	1,377	1,252	1,250	Annual Average 1,369
Jun-97	1,450	1,173	1,173	Max. 3-Month ADF 1,255	Jun-07	1,378	1,276	1,287	Max. 3-Month ADF 1,599
Jul-97	1,860	1,370	1,244	Ratio (3-M/Avg) 1,056	Jul-07	1,433	1,314	1,281	Ratio (3-M/Avg) 1,168
Aug-97	1,590	1,222	1,255	Min 3-Month ADF 1,136	Aug-07	1,452	1,327	1,306	Min 3-Month ADF 1,250
Sep-97	1,760	1,154	1,249	Max. Mon. ADF 1,370	Sep-07	1,492	1,348	1,330	Max. Mon. ADF 1,834
Oct-97	1,310	1,105	1,160		Oct-07	4,043	1,834	1,503	
Nov-97	1,340	1,149	1,136		Nov-07	1,394	1,468	1,550	
Dec-97	1,450	1,188	1,147		Dec-07	1,788	1,496	1,599	
Jan-98	1,420	1,150	1,162		Jan-08	1,670	1,443	1,489	
Feb-98	1,290	1,160	1,166		Feb-08	2,000	1,442	1,480	
Mar-98	1,390	1,215	1,175		Mar-08	1,640	1,445	1,443	
Apr-98	1,160	1,050	1,142		Apr-08	1,430	1,286	1,381	
May-98	1,320	1,120	1,128	Annual Average 1,166	May-08	1,440	1,316	1,349	Annual Average 1,375
Jun-98	1,300	1,100	1,090	Max. 3-Month ADF 1,237	Jun-08	1,580	1,378	1,327	Max. 3-Month ADF 1,469
Jul-98	1,230	1,140	1,120	Ratio (3-M/Avg) 1,061	Jul-08	1,770	1,450	1,383	Ratio (3-M/Avg) 1,068
Aug-98	1,230	1,140	1,127	Min 3-Month ADF 1,090	Aug-08	1,840	1,384	1,406	Min 3-Month ADF 1,227
Sep-98	3,290	1,300	1,193	Max. Mon. ADF 1,300	Sep-08	1,720	1,365	1,402	Max. Mon. ADF 1,456
Oct-98	1,680	1,240	1,227		Oct-08	1,670	1,331	1,380	
Nov-98	1,340	1,170	1,237		Nov-08	1,410	1,296	1,331	
Dec-98	1,330	1,205	1,205		Dec-08	1,900	1,380	1,529	
Jan-99	1,420	1,248	1,208		Jan-09	1,565	1,345	1,334	
Feb-99	1,290	1,188	1,213		Feb-09	1,790	1,376	1,381	
Mar-99	1,560	1,258	1,231		Mar-09	1,625	1,345	1,358	
Apr-99	1,390	1,221	1,222		Apr-09	2,023	1,463	1,401	
May-99	1,450	1,227	1,238	Annual Average 1,225	May-09	1,709	1,415	1,415	Annual Average 1,470
Jun-99	1,340	1,240	1,229	Max. 3-Month ADF 1,247	Jun-09	1,721	1,583	1,494	Max. 3-Month ADF 1,628
Jul-99	1,470	1,258	1,242	Ratio (3-M/Avg) 1,018	Jul-09	1,459	1,348	1,448	Ratio (3-M/Avg) 1,107
Aug-99	1,570	1,245	1,247	Min 3-Month ADF 1,204	Aug-09	1,662	1,343	1,424	Min 3-Month ADF 1,334
Sep-99	1,300	1,200	1,234	Max. Mon. ADF 1,258	Sep-09	1,924	1,521	1,403	Max. Mon. ADF 1,708
Oct-99	1,810	1,213	1,219		Oct-09	2,317	1,585	1,483	
Nov-99	1,620	1,199	1,204		Nov-09	2,202	1,709	1,605	
Dec-99	1,790	1,205	1,206		Dec-09	2,029	1,581	1,628	
Jan-00	1,910	1,242	1,215		Jan-10	1,970	1,654	1,851	
Feb-00	1,500	1,224	1,224		Feb-10	2,580	1,788	1,878	
Mar-00	1,890	1,281	1,249		Mar-10	2,230	1,782	1,735	
Apr-00	1,540	1,333	1,279		Apr-10	1,560	1,381	1,644	
May-00	1,609	1,372	1,329	Annual Average 1,243	May-10	2,450	1,630	1,591	Annual Average 1,541
Jun-00	1,445	1,226	1,310	Max. 3-Month ADF 1,329	Jun-10	2,240	1,635	1,549	Max. 3-Month ADF 1,735
Jul-00	1,351	1,282	1,293	Ratio (3-M/Avg) 1,069	Jul-10	2,650	1,707	1,657	Ratio (3-M/Avg) 1,126
Aug-00	1,328	1,214	1,241	Min 3-Month ADF 1,178	Aug-10	2,510	1,648	1,683	Min 3-Month ADF 1,264
Sep-00	1,326	1,208	1,235	Max. Mon. ADF 1,372	Sep-10	1,770	1,496	1,617	Max. Mon. ADF 1,798
Oct-00	1,300	1,145	1,189		Oct-10	1,400	1,295	1,477	
Nov-00	1,430	1,215	1,189		Nov-10	1,580	1,292	1,358	
Dec-00	1,355	1,173	1,178		Dec-10	1,330	1,214	1,264	
Jan-01	1,560	1,170	1,186		Jan-11	2,214	1,252	1,253	
Feb-01	1,369	1,218	1,187		Feb-11	1,528	1,229	1,232	
Mar-01	1,442	1,268	1,219		Mar-11	1,563	1,333	1,271	
Apr-01	1,392	1,212	1,233		Apr-11	1,426	1,318	1,293	
May-01	1,340	1,165	1,215	Annual Average 1,240	May-11	1,436	1,320	1,324	Annual Average 1,316
Jun-01	1,425	1,280	1,219	Max. 3-Month ADF 1,306	Jun-11	1,483	1,375	1,338	Max. 3-Month ADF 1,446
Jul-01	1,548	1,327	1,257	Ratio (3-M/Avg) 1,053	Jul-11	2,090	1,458	1,384	Ratio (3-M/Avg) 1,100
Aug-01	1,461	1,311	1,306	Min 3-Month ADF 1,186	Aug-11	1,374	1,468	1,434	Min 3-Month ADF 1,207
Sep-01	1,557	1,283	1,300	Max. Mon. ADF 1,327	Sep-11	2,350	1,419	1,448	Max. Mon. ADF 1,468
Oct-01	1,484	1,258	1,277		Oct-11	1,463	1,258	1,374	
Nov-01	1,319	1,205	1,242		Nov-11	1,341	1,193	1,283	
Dec-01	1,269	1,200	1,221		Dec-11	1,467	1,192	1,207	
Jan-02	1,383	1,236	1,214		Jan-12	1,780	1,243	1,211	
Feb-02	1,310	1,218	1,217		Feb-12	2,145	1,291	1,244	
Mar-02	1,438	1,278	1,243		Mar-12	1,730	1,350	1,287	
Apr-02	1,570	1,273	1,256		Apr-12	1,540	1,335	1,325	
May-02	1,484	1,275	1,275	Annual Average 1,359	May-12	1,495	1,382	1,356	Annual Average 1,434
Jun-02	1,472	1,290	1,279	Max. 3-Month ADF 1,532	Jun-12	2,980	1,694	1,470	Max. 3-Month ADF 1,685
Jul-02	1,771	1,358	1,310	Ratio (3-M/Avg) 1,127	Jul-12	2,510	1,772	1,616	Ratio (3-M/Avg) 1,176
Aug-02	1,761	1,399	1,352	Min 3-Month ADF 1,214	Aug-12	2,260	1,591	1,685	Min 3-Month ADF 1,211
Sep-02	2,634	1,489	1,419	Max. Mon. ADF 1,561	Sep-12	1,972	1,468	1,610	Max. Mon. ADF 1,772
Oct-02	2,013	1,546	1,478		Oct-12	1,726	1,416	1,492	
Nov-02	2,209	1,581	1,532		Nov-12	1,830	1,318	1,401	
Dec-02	1,580	1,381	1,496		Dec-12	2,140	1,339	1,358	
Jan-03	1,433	1,312	1,418		Jan-13	1,470	1,348	1,334	
Feb-03	1,511	1,316	1,336		Feb-13	2,510	1,508	1,398	
Mar-03	1,635	1,339	1,339		Mar-13	1,890	1,473	1,442	
Apr-03	1,543	1,347	1,351		Apr-13	1,750	1,508	1,496	
May-03	1,691	1,377	1,371	Annual Average 1,402	May-13	1,620	1,456	1,479	Annual Average 1,563
Jun-03	2,309	1,482	1,402	Max. 3-Month ADF 1,531	Jun-13	2,070	1,644	1,536	Max. 3-Month ADF 1,785
Jul-03	2,107	1,616	1,492	Ratio (3-M/Avg) 1,092	Jul-13	2,510	1,772	1,624	Ratio (3-M/Avg) 1,142
Aug-03	1,677	1,492	1,531	Min 3-Month ADF 1,336	Aug-13	2,830	1,856	1,757	Min 3-Month ADF 1,334
Sep-03	1,223	1,362	1,491	Max. Mon. ADF 1,616	Sep-13	2,200	1,729	1,785	Max. Mon. ADF 1,856
Oct-03	1,518	1,360	1,401		Oct-13	1,771	1,534	1,706	
Nov-03	1,527	1,392	1,365		Nov-13	2,098	1,444	1,569	
Dec-03	1,571	1,399	1,377		Dec-13	1,809	1,485	1,488	
Jan-04	1,504	1,322	1,358		Jan-14	1,650	1,446	1,459	
Feb-04	1,732	1,421	1,381		Feb-14	2,510	1,570	1,501	
Mar-04	1,588	1,330	1,358		Mar-14	2,380	1,705	1,574	
Apr-04	1,463	1,328	1,360		Apr-14	5,552	2,232	1,836	
May-04	1,704	1,377	1,345	Annual Average 1,419	May-14	4,790	2,489	2,142	Annual Average 1,685
Jun-04	1,689	1,458	1,388	Max. 3-Month ADF 1,489	Jun-14	1,882	1,700	2,140	Max. 3-Month ADF 2,142
Jul-04	1,853	1,518	1,451	Ratio (3-M/Avg) 1,049	Jul-14	2,072	1,661	1,950	Ratio (3-M/Avg) 1,207
Aug-04	1,706	1,490	1,489	Min 3-Month ADF 1,345	Aug-14	1,601	1,480	1,614	Min 3-Month ADF 1,412
Sep-04	1,814	1,352	1,457	Max. Mon. ADF 1,518	Sep-14	1,640	1,459	1,533	Max. Mon. ADF 2,489
Oct-04	1,693	1,496	1,490		Oct-14	1,680	1,418	1,452	
Nov-04	1,913	1,468	1,442		Nov-14	2,972	1,386	1,421	
Dec-04	1,977	1,462	1,475		Dec-14	1,622	1,491	1,412	
Jan-05	1,582	1,353	1,428		Jan-15	1,759	1,526	1,448	
Feb-05	1,603	1,255	1,357		Feb-15	1,618	1,516	1,491	
Mar-05	3,043	1,379	1,329		Mar-15	1,779	1,460	1,507	
Apr-05	3,791	2,287	1,641		Apr-15	2,299	1,684	1,560	
May-05	2,450	1,828	1,765	Annual Average 1,460	May-15	1,563	1,499	1,554	Annual Average 1,579
Jun-05	1,921	1,483	1,793	Max. 3-Month ADF 1,793	Jun-15	1,714	1,514	1,586	Max. 3-Month ADF 1,751
Jul-05	1,850	1,421	1,504	Ratio (3-M/Avg) 1,228	Jul-15	1,588	1,486	1,500	Ratio (3-M/Avg) 1,109
Aug-05	2,067	1,473	1,453	Min 3-Month ADF 1,270	Aug-15	1,588	1,462	1,497	Min 3-Month ADF 1,448
Sep-05	2,475	1,445	1,447	Max. Mon. ADF 2,287	Sep-15	3,413	1,531	1,493	Max. Mon. ADF 1,558
Oct-05	1,408	1,262	1,393		Oct-15	2,583	1,617	1,537	
Nov-05	1,870	1,273	1,327		Nov-15	2,861	1,958	1,702	
Dec-05	1,827	1,274	1,270		Dec-15	2,521	1,878		



**APPENDIX D  
EXCERPT OF SANTA ROSA COUNTY FUTURE LAND USE MAP**

APPENDIX D – FUTURE LAND USE MAP





# City of Gulf Breeze

TO: Edwin A. Eddy, City Manager

FROM: Vernon L. Prather, Director of Public Services *V.P.*

DATE: April 6, 2016

RE: Soundside / Oak Drive Sewer Improvement Project

The Utility has previously granted approval in August 2012 to participate in a sewer improvement projects on Clay Circle/Bergren Rd., and the area of Soundside and Oak Drive. The Board desired to not grant their variance request to install septic tanks. In addition, staff was directed to develop a cost recovery for each project. This is normally referred to as aid in construction fee.

The Clay Circle Project moved forward in February 2014 while the Soundside drive project did not develop at that time.

We recently received a request from the Mr. John Frew that he is interested in moving forward with his 24 unit residential development and desires for the Utility to construct the off- site infrastructure.

The estimated cost of the improvements is \$206,896 as indicated by Rebol-Battle & Assoc. and we estimate that the force main route could ultimately serve approx. 250 homes. Therefore the aid in construction fee would be calculated by dividing the cost \$206,896 by the number (250) potential homes.  $\$206,896/250 = \$828$  aid in construction fee for each house connecting to the new sewer improvements.

It is anticipated that the Utility will utilize Rebol-Battle for engineering and the developers contractor for construction. All invoicing would be done separately.

Funding: This project is an unbudgeted expense and the similar Clay Circle/Bergren Rd. Forcemain project (\$112,912) was funded from Sewer Impact Fee reserves.

**Recommendation: SSRUS Board recommend that the City Council authorize the construction and expenditure of the estimated \$206,896 to construct approx. 7,200' of 4" forcemain on Soundside and Oak Drive, and implement an aid in construction fee of \$828 for each home that connects to the system.**



# City of Gulf Breeze

## MEMORANDUM

**TO:** Edwin A. Eddy, City Manager

**FROM:** Thomas E. Lambert, Assistant Director of Public Services

**DATE:** March 6, 2014

**RE:** SSRUS Board Recommendations

The following recommendations were recommended by the SSRUS Board at their February 10, 2014 meeting.

### Bergren Road Forcemain

In December the SSRUS Board approved the payment for construction of the Bergren Road forcemain and instituted a \$95 fee per equivalent residential unit (ERU) to be collected to recover the cost of the force main. Since this is a major infrastructure improvement, staff recommends that the cost of the \$112,912.25 be paid from the impact fee reserved fund. Staff further recommends that the \$95 cost recover fee be sequestered in the impact reserve fund as they are collected.

**RECOMMENDATION: The SSRUS Board recommends to the City Council that the Bergren Road Forcemain be paid from the reserved impact fees and that the \$95 per ERU aid in construction fee collected will be sequestered in the impact fee reserve fund.**

### Bergren Road Reclaimed Main Repair

The reclaimed main was in conflict with the permitted driveway for the ERS 4 site. The County asked to install the driveway for us in anticipation of leasing the site. Because the permit with the Army Corps of Engineers was set to expire, the main could not be repaired prior to completion of the driveway.

**RECOMMENDATION: SSRUS Board recommends to City Council to authorize Warrington Utility & Excavating to repair the ERS 4 reclaimed main for \$13,075.**

### **Waterford Sound Reimbursement**

Per the agreement reached with the developer of Waterford Sound, the utility receives a 75% impact fee per lot from the builder, but holds a 50% deposit from the developer. Annually, the utility refunds the 25% to the developer for each lot bought. This will be the second payment to the developer on the first phase of Waterford Sound development.

**RECOMMENDATION: SSRUS Board recommends to City Council the authorization of payment to Waterford Sound, LLC of \$31,200 in impact fee reimbursement from the Restricted Impact Fees.**

### **Rotating Screen Repair**

This is a F/Y 2013 budgeted item for the replacement of a rotating screen drum. The drum on the second screen is in good condition and not expected to need replacement any time in the near future.

**RECOMMENDATION: SSRUS Board Recommend to City Council the purchase of a replacement rotating screen drum for the headworks from Parkson Corporation for a total of \$21,024.00.**

## Soundside Drive / Oak Drive Sewer Improvement Project

### Opinion of Probable Construction Cost

Date: March 7, 2016

Prepared By: Rebol-Battle & Associates

Prepared For: City of Gulf Breeze, FL

ITEM	DESCRIPTION	QUANTITY	UNIT	UNIT PRICE	Amount
1	4" SDR 26 PVC Force Main	7,128	LF	\$12.00	\$85,536.00
2	Jack & Bore 10" Steel Casing	140	LF	\$75.00	\$10,500.00
3	Directional Bore beneath Highway 98 (Includes encasement)	75	LF	\$50.00	\$3,750.00
4	Mole Beneath Residential Driveway(s); Total Driveway(s) = 19	342	LF	\$30.00	\$10,260.00
5	12" x 4" Tapping Sleeve and Valve Assembly	1	EA	\$3,800.00	\$3,800.00
6	4" Flapper Check Valve w/ Box	1	EA	\$1,000.00	\$1,000.00
7	4" Gate Valve w/ Box	8	EA	\$1,000.00	\$8,000.00
8	Miscellaneous Fittings @ 7.5% of Total Pipe Cost	1	LS	\$6,415.20	\$6,415.20
9	Dewatering	1	LS	\$5,000.00	\$5,000.00
10	Support and Protect Utility Poles & Underground Utilities	1	LS	\$2,000.00	\$2,000.00
11	Stockpile & Replace Gravel or Dirt Driveway (4ft Wide); Total Driveway(s) = 15	1	LS	\$2,500.00	\$2,500.00
12	Seeding and Mulching	12,000	SY	\$0.50	\$6,000.00
13	Mobilization	1	LS	\$2,500.00	\$2,500.00
14	Erosion Control	1	LS	\$4,000.00	\$4,000.00
15	Maintenance of Traffic	1	LS	\$3,000.00	\$3,000.00
				Subtotal:	\$154,261.20
				Contingency (15%)	\$23,139.18
				Engineering Design (10%)	\$15,426.12
				Wetland Delineation & Permitting	\$2,500.00
				Surveying [1/2 ROW] (7.5%)	\$11,569.59
				<b>GRAND TOTAL:</b>	<b>\$206,896.09</b>

**SOUTH SANTA ROSA UTILITY SYSTEM  
BOARD OF DIRECTORS MEETING  
AUGUST 23, 2012  
7:00 P.M.**

**1. CALL TO ORDER:**

The 108<sup>th</sup> regular meeting of the South Santa Rosa Utility System Board of Directors was called to order at 7:00 p.m., at Gulf Breeze City Hall by Chairman Richard Snyder.

**2. ROLL CALL:**

The following board members were present at the meeting: Joe Henderson, Robert Sauer, Thomas Naile, Todd Johnson, Otto Prochaska and Richard Snyder. Mayor Zimmern and Mark Meister were not present. Terry Mills phoned in for part of the meeting, but did not vote.

**3. APPROVAL OF MINUTES:**

A motion was made by Tom Naile to approve the minutes from June 11, 2012. Otto Prochaska seconded the motion. The minutes were approved unanimously.

Chairman Snyder requested to move the New Business Items to the beginning of the meeting.

**4. NEW BUSINESS:**

A. **Special Request – Clay Circle Development (Parcel 30-25-27-6020-00000-0381):** Developer has requested that the City support its request to Santa Rosa County to be released from the installation of the central sewer collections system requirement. When the original plans for this development were submitted the development planned on connecting to the Utilities proposed wastewater treatment facility a few hundred yards away. The Utility did not build the facility on Bergren Road and now the developer will be required to install 0.852 miles of force main at a cost of \$90,000. The Utility would reimburse the developer \$26,400 for 0.25 miles of this force main.

B. **Special Request- Soundside Drive Development (Parcel 17-25-27-0000-00200-0000):** Developer has requested that the City support its request to Santa Rosa County to be released from the installation of the central sewer collections system requirement.

Chairman Snyder stated both items A and B would be one reviewed at the same time.

Mr. Jerry Jernigan of 3650 Korey Lane, Navarre FL addressed the Board regarding the Clay Circle Development.

Staff presented their report to the Board.

Otto Prochaska stated he would like to see staff prepare an engineering design standard on force mains.

After discussion among the Board, Tom Naile made the following recommendation:

**The Board authorizes staff to obtain an engineering cost estimate of the force main. Staff will develop a payback program for the Boards review. Staff will write a letter to Santa Rosa County supporting a low pressure system for the development.**

**Otto Prochaska seconded the motion. The vote for approval was unanimous.**

- C. Reclaimed System Pressure Study Discussion:** Vernon Prather reported the results of the system pressure study that was done for the Woodlawn subdivision. Mr. Prather reported that the Golf Course was using more reclaim water than it was allotted and that an adjustment had been made to correct. Mr. Prather also reported that there was high consumption in Woodlawn Heights with an average of 875 gallons of reclaimed water used per home per day.

Mr. Rick Delp of Baskerville-Donovan addressed the Board regarding the original construction of the reclaimed water system in the subdivision.

The following Woodlawn Subdivision homeowners attended the meeting and addressed the Board:

George Camall of 1660 Woodlawn Way, Carol Mills of 5360 Galberry Lane and Kerry Anne Schlutz, attorney for the Woodlawn Homeowners Association.

It was brought to the Boards attention that the irrigation for the Hwy 98 median project is not the drip irrigation as was presented to the Board. The Board instructed staff to contact those in charge of the UPA Beautification project and address this issue.

After discussion among the Board regarding the reclaimed system pressure study the Board instructed staff to attend the next Woodlawn Homeowners Association meeting and help educate the homeowners about water conservation. The Board would also instructed staff to continue their reclaim system pressure study. In addition, the Board would like staff to invite a UPA representative to attend the next SSRUS Board meeting and present what their long range plan is for the UPA Hwy 98 Beautification project.



# City of Gulf Breeze

**TO:** Edwin A. Eddy, City Manager  
**FROM:** Thomas E. Lambert, Assistant Director of Public Services  
**DATE:** August 20, 2012  
**RE:** Soundside Drive Property Development

A developer has requested that the utility support its request to Santa Rosa County to be released from the installation of a sewer collections system. Per the current County Ordinances and Land Development Code, all subdivisions south of the East River are subject to central sewer collection systems unless there is an overwhelming environmental or monetary reason to allow septic tanks.

The developer of a proposed 18 lot subdivision near the west end of Soundside Drive wishes the utility's support for his request to Santa Rosa County to be relieved of the central sewer collections system requirement. The developer would then be required to install 1.38 miles of force main at a total cost of \$145,833. The utility would be responsible for reimbursing the developer \$26,400 for 0.25 miles of this force main. If the subdivision could be built with a collections system, the utility would eventually collect \$93,600 in tap fees.

Staff believes that the utility should support this release from the sewer collection system requirement, because otherwise the development will not happen.

The benefits of supporting the release include

1. Economic stimulus, and
2. Because the project is at the end of Soundside Drive it does not help expansion beyond the development.

The benefits of assisting with the cost of the force main

1. The project adds customers,
2. The forcemain offers low pressure sewer to existing residential lots and,
3. The forcemain opens opportunities for other developments in on large parcels, and
4. The utility can recover costs with aid-in-construction fees charged to additional users.



**Soundside dr sewer variance**

**john frew** <johnafrew@gmail.com>  
To: vprather@ci.gulf-breeze.fl.us  
Cc: tlambert@ci.gulf-breeze.fl.us

Mon, Aug 6, 2012 at 1:11 PM

This letter is to formally request a variance on sewer requirements for property planned to be subdivided. The parcel is at the northeast end of Soundside dr. and Lands End ln. Parcel id 29-2s-27-0000-01302-0000. Property is 1.6 miles away from the nearest sewer. and has existing septic tanks on site ( that will be removed)  
I plan on dividing the 18.9 acre parcel into 18 single family lots that will meet current septic tank requirements for Santa Rosa co and the state. I also plan on building my personal home on 1536 Lands End ln, adjacent to the larger parcel

Any questions please give @602-4160.

Thanks in advance for your help in putting this before the city council and the utility board. I look forward to hearing from you on 9/5

**Thomas Lambert** <tlambert@gulfbreezefl.gov>  
To: john frew <johnafrew@gmail.com>

Mon, Aug 6, 2012 at 2:35 PM

Thanks, Joh, we will get this in progress  
[Quoted text hidden]

**Thomas E. Lambert**  
**Assistant Director of Public Services**  
**City of Gulf Breeze**  
**1070 Shoreline Drive**  
**Gulf Breeze, Florida 32561**  
**850.934.4094 (P)**  
**850.934.5114 (F)**



*City of Gulf Breeze*

08/14 14:54 THOMASVM tlanbert ScreenHunter



## Soundside Drive / Oak Drive Sewer Improvement Project

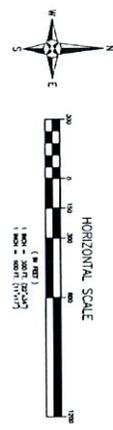
### Opinion of Probable Construction Cost

Date: September 28, 2012

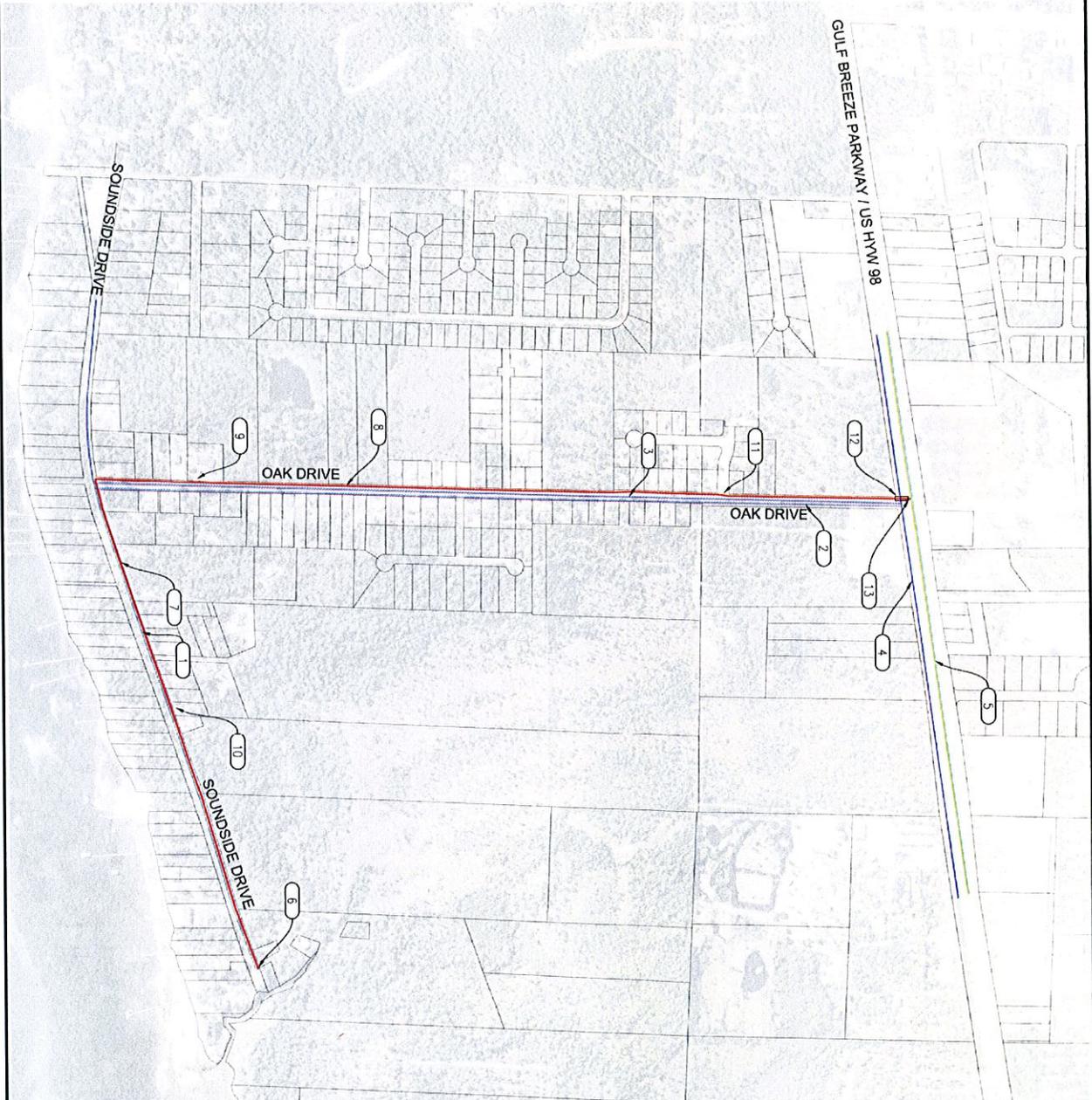
Prepared By: Rebol-Battle & Associates

Prepared For: City of Gulf Breeze, FL

ITEM	DESCRIPTION	QUANTITY	UNIT	UNIT PRICE	Amount
1	4" SDR 26 PVC Force Main	7696	LF	\$12.00	\$92,352.00
2	Jack & Bore 10" Steel Casing	140	LF	\$75.00	\$10,500.00
3	Mole Beneath Residential Driveway(s); Total Driveway(s) = 23	415	LF	\$20.00	\$8,300.00
4	12" x 4" Tapping Sleeve and Valve Assembly	1	EA	\$3,800.00	\$3,800.00
5	4" Flapper Check Valve w/ Box	1	EA	\$485.00	\$485.00
6	4" Gate Valve w/ Box	8	EA	\$485.00	\$3,880.00
7	Miscellaneous Fittings @ 5% of Total Pipe Cost	1	LS	\$5,772.00	\$5,772.00
8	Dewatering	1	LS	\$5,000.00	\$5,000.00
9	Support and Protect Utility Poles & Underground Utilities	1	LS	\$2,000.00	\$2,000.00
10	Stockpile & Replace Gravel or Dirt Driveway (4ft Wide); Total Driveway(s) = 3	1	LS	\$500.00	\$500.00
11	Seeding and Mulching	4000	SY	\$0.50	\$2,000.00
12	Mobilization	1	LS	\$2,500.00	\$2,500.00
13	Erosion Control	1	LS	\$4,000.00	\$4,000.00
14	Maintenance of Traffic	1	LS	\$1,500.00	\$1,500.00
15	NPDES NOI Permit and Monitoring	1	LS	\$1,200.00	\$1,200.00
				Subtotal	\$143,789.00
				Contingency (15%)	\$21,568.35
				<b>Total</b>	<b>\$165,357.35</b>



- KEY NOTES**
- 1 EXISTING VINDRAY WATER 1" VAIN LOCATED IN NORTHERN ROW OF SOUNDSIDE DRIVE
  - 2 EXISTING VINDRAY WATER 4" VAIN LOCATED IN EASTERN ROW OF OAK DRIVE
  - 3 EXISTING VINDRAY WATER 6" VAIN LOCATED IN WESTERN ROW OF OAK DRIVE
  - 4 EXISTING VINDRAY WATER 4" VAIN LOCATED IN SOUTHERN ROW OF GULF BREEZE PARKWAY / US HWY 98
  - 5 EXISTING STRUG 1/2" FORCE MAIN LOCATED IN THE CENTER OF GULF BREEZE PARKWAY / US HWY 98
  - 6 BEGIN INSTALLATION OF NEW 4" SDR 25 PVC SANITARY SEWER FORCE MAIN
  - 7 INSTALL 4" SDR 25 PVC FORCE MAIN IN NORTHERN ROW OF SOUNDSIDE DRIVE
  - 8 INSTALL 4" SDR 25 PVC FORCE MAIN IN WESTERN ROW OF OAK DRIVE
  - 9 VOLE REARER RESIDENTIAL DRIVEWAY (TYPE OF 21)
  - 10 OPEN CUT & PATCH RESIDENTIAL DRIVELWAY (TYPE OF 5)
  - 11 ASK AND SOBE RESIDENTIAL ASPHALT ROAD & INSTALL 10" STEEL CURB (TYPE OF 3)
  - 12 JACK AND SOBE GULF BREEZE PARKWAY / US HWY 98 & INSTALL 10" STEEL CURBING
  - 13 CONNECT TO SERVIS FORCE MAIN IN CENTER OF GULF BREEZE PARKWAY / US HWY 98 MEDIUM



<p>Paula Battle, P.E.          License No. 12523</p> <p>DR. BY: GTP          CK. BY: PAB          Job No. 2012.007          Date: 09-28-2012          DRAWING NO.</p> <p style="text-align: center;"><b>CONCEPT</b></p>	<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th>No.</th> <th>DATE</th> <th>REVISION</th> </tr> </thead> <tbody> <tr><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td></tr> </tbody> </table>	No.	DATE	REVISION										<p><b>SOUNDSIDE          SUBDIVISION          GULF BREEZE</b></p>	<p><b>FORCEMAIN          LAYOUT</b></p>	<p><b>RBA</b>  <b>REBOL-BATTLE &amp; ASSOCIATES</b>          Civil Engineers and Surveyors</p> <p style="font-size: small;">2614 North Avenue, Suite 306          Pensacola, Florida 32503          Telephone: 904-438-2600 Fax: 904-438-2444          E-MAIL: 2006@rba.com</p>
No.	DATE	REVISION														

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# City of Gulf Breeze

**TO:** Edwin A. Eddy, City Manager  
**FROM:** Thomas E. Lambert, Assistant Director of Public Services  
**DATE:** August 20, 2012  
**RE:** Clay Circle Development - Release from Sewer Requirement

A developer has requested that the City support its request to Santa Rosa County to be released from the installation of a sewer collections system. Per the current County Ordinances and Land Development Code, all subdivisions south of the East River are subject to central sewer collection systems unless there is an overwhelming environmental or monetary reason to allow septic tanks.

The developer of a proposed 30 lot subdivision on Clay Circle wishes the utility's support for his request to Santa Rosa County to be relieved of the central sewer collections system requirement. The developer originally submitted plans that would connect to our proposed wastewater treatment facility just a few hundred yards away. Because the utility did not build the facility on Bergren Road property, the developer will be required to install 0.852 miles of force main at a total cost of \$90,000. The utility would be responsible for reimbursing the developer \$26,400 for 0.25 miles of this force main. If the subdivision could be built with a collections system, the utility would eventually collect \$156,000 in tap fees.

The benefits of supporting the release include

1. Economic stimulus, and
2. The project location does not support future development,

The benefits of assisting with the cost of the force main

1. The project adds customers,
2. The forcemain offers low pressure sewer to existing residential lots, and
3. The utility can recover costs with aid-in-construction fees charged to additional users.

Even with partial support from the utility, the developer may not be able to complete the project with the cost of sewer.

August 7, 2012

City of Gulf Breeze  
Gulf Breeze City Council  
1070 Shoreline Dr.  
Gulf Breeze, FL 32561

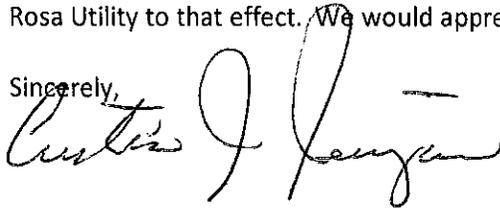
Ref: Kassandra Estates, Owner: Curtis J Jernigan, 3650 Korey Lane, Navarre, FL 32566

To whom it may concern,

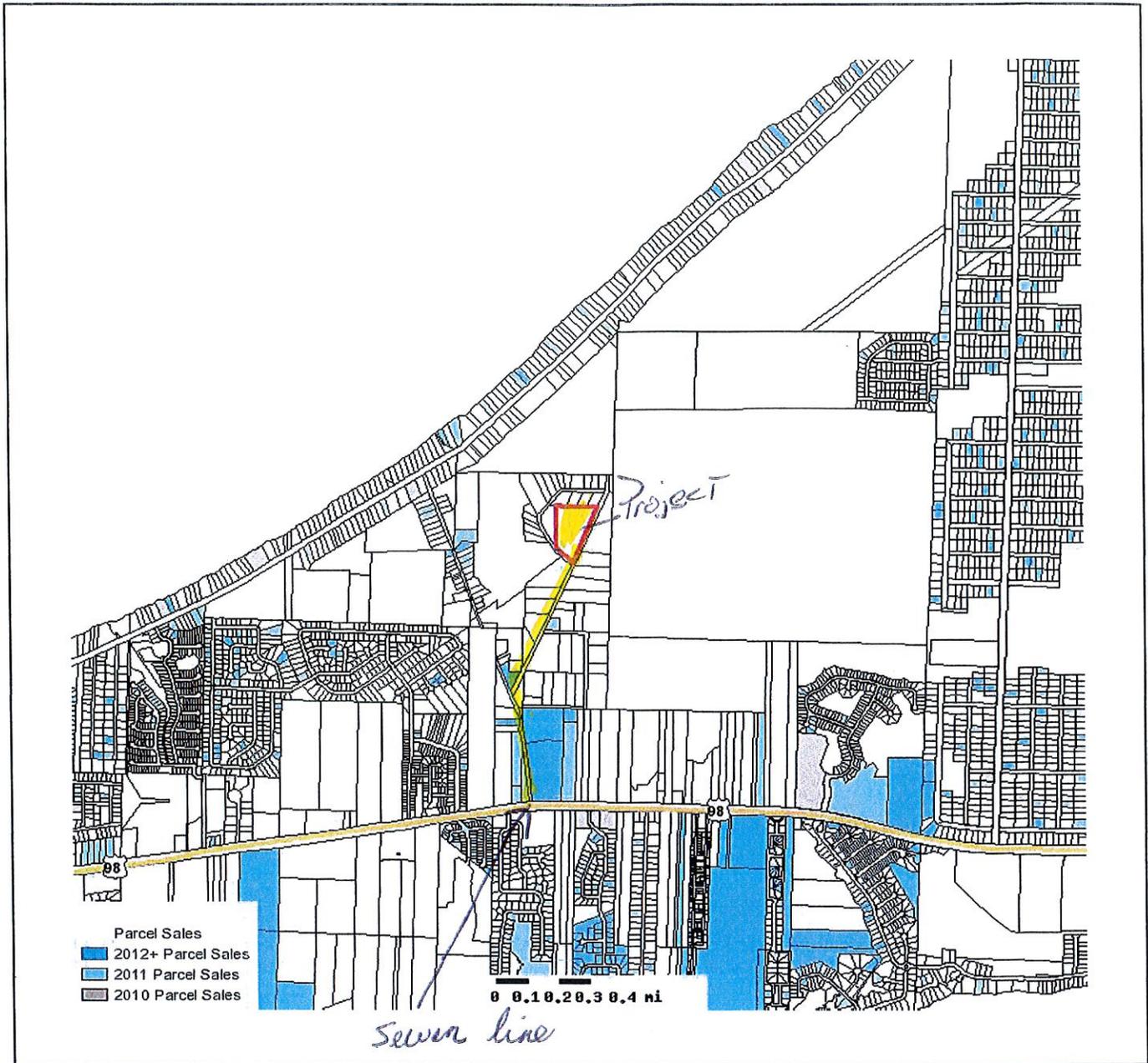
I have a 30 lot project located on Clay Circle off of Bergman Rd. The project is 9/10 of a mile from the nearest sewer line. Both South Santa Rosa Utility and myself agree that with the economic conditions being such, and the cost involved in installation that it is not feasible to bring sewer this distance to the project.

Santa Rosa County has agreed to allow the project to move on with a letter of support from South Santa Rosa Utility to that effect. We would appreciate your support in this matter.

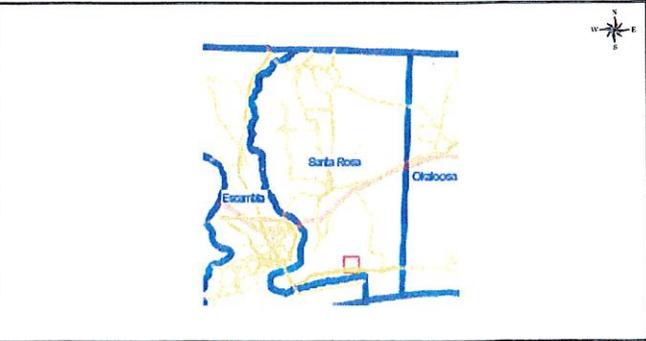
Sincerely,

A handwritten signature in cursive script that reads "Curtis J Jernigan". The signature is written in black ink and is positioned to the right of the word "Sincerely,".

Curtis J Jernigan



Santa Rosa County Property Appraiser			
Parcel: 17-2S-27-0000-00200-0000 Acres: 10			
Name:	MIRACLE STRIP ENTERPRISES LTD	Land Value	166,862
Site:	2221 RIVER BIRCH RD	Building Value	56,590
Sale:	\$615,000 on 05-2005 Vacant=Y Qual=U	Misc Value	470
Mail:	3650 KOREY LN NAVARRE, FL 32566	Just Value	223,922
		Assessed Value	223,922
		Exempt Value	0
		Taxable Value	223,922



The Santa Rosa County Property Appraiser's Office makes every effort to produce the most accurate information possible. No warranties, expressed or implied, are provided for the data herein, its use or interpretation. The assessment information is from the last certified taxroll. All data is subject to change before the next certified taxroll. PLEASE NOTE THAT THE PROPERTY APPRAISER MAPS ARE FOR ASSESSMENT PURPOSES ONLY NEITHER SANTA ROSA COUNTY NOR ITS EMPLOYEES ASSUME RESPONSIBILITY FOR ERRORS OR OMISSIONS —THIS IS NOT A SURVEY—

Date printed: 08/08/12 : 09:55:40

08-14 14:49 THOMASVM tlambert ScreenHunter

