

RESOLUTION NO. 2013 - 15

RESOLUTION BY THE BOARD OF COUNTY COMMISSIONERS OF ST. JOHNS COUNTY, FLORIDA, RELATING TO FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION STATE REVOLVING LOAN PROGRAM; AUTHORIZING APPLICATION FOR LOAN; ESTABLISHING PLEDGED REVENUES; DESIGNATING AUTHORIZED REPRESENTATIVES; AUTHORIZING SUBMITTAL OF LOAN APPLICATION; AND PROVIDING AN EFFECTIVE DATE.

WHEREAS, Chapter 403, Florida Statutes, as amended, provides for state revolving loan program loans to local government agencies to finance the construction of water facilities; and

WHEREAS, said state revolving loan program (the "State Revolving Loan Program") requires evidence of local government authorization to apply for loans, establish pledged revenues, designate an authorized representative and provide assurances of compliance with loan program requirements; and

WHEREAS, the St. Johns County Utility Department has determined that the projects proposed in its Facilities Plan relating to St. Johns County's Ponte Vedra utility system (the "Ponte Vedra System"), including replacement of aged water meters with new automated meter readers, rehabilitation of existing well, and replacement and upgrade of potable water higher service pumps (collectively, the "Projects"), are eligible for available financing under the State Revolving Loan Program and recommends St. Johns County submit a loan application for such financing; and

WHEREAS; the Board of County Commissioners of St. Johns County, Florida, during a regular Board meeting intends to enter into a binding loan agreement with the State of Florida Department of Environmental Protection for financing the Projects as required by the State Revolving Loan Program; and

WHEREAS, St. Johns County has determined that participation in the State Revolving Loan Program will serve the interests of St. Johns County.

NOW, THEREFORE, BE IT RESOLVED BY THE BOARD OF COUNTY COMMISSIONERS OF ST. JOHNS COUNTY, FLORIDA, AS FOLLOWS:

Section 1. The above Recitals are hereby incorporated into the body of this Resolution, and are adopted as Findings of Fact.

Section 2. Application for a loan under the State Revolving Loan Program and submittal of the related loan application to finance the Projects is hereby authorized.

Section 3. The revenues pledged for the repayment of the loan are the net water and sewer revenues of the Ponte Vedra System, together with legally available Ponte Vedra System connection fees. Such pledge is subordinate to the pledge thereon in favor of all St. Johns

County Ponte Vedra utility system revenue bonds listed in Exhibit "A" attached hereto, together with any additional bonds or obligations that are later issued on a parity therewith.

Section 4. The Chair of the Board of County Commissioners of St. Johns County, Florida, is hereby designated as St. Johns County's authorized representative and authorized to execute the application, execute the loan agreement upon approval of the loan agreement by the Board of County Commissioners of St. Johns County during a regularly scheduled meeting, provide assurances required by the application and the loan agreement, represent St. Johns County in carrying out St. Johns County's responsibilities under the loan agreement and delegate responsibility to appropriate St. Johns County staff to carry out technical, financial and administrative activities associated with the application and the loan agreement.

Section 5. The St. Johns County Administrator is hereby authorized to submit the application, provide assurances required by the application and the loan agreement, represent St. Johns County in carrying out St. Johns County's responsibilities under the loan agreement, execute disbursement requests and delegate responsibility to appropriate St. Johns County staff to carry out technical, financial and administrative activities associated with the application and the loan agreement.

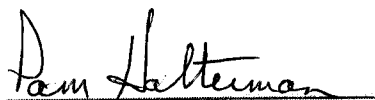
Section 6. To the extent that there are typographical and/or administrative errors and/or omissions that do not change the tone, tenor or context of this Resolution, then this Resolution may be revised without subsequent approval of the Board of County Commissioners of St. Johns County.

Section 7. This Resolution shall become effective immediately upon its passage and adoption.

PASSED AND ADOPTED by the Board of County Commissioners of St. Johns County, Florida, this 15 day of January, 2013.

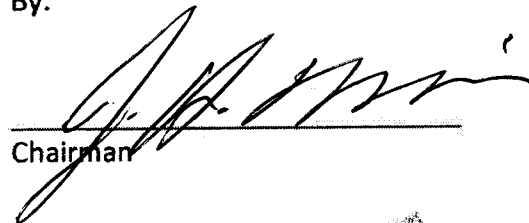
BOARD OF COUNTY COMMISSIONERS OF
ST. JOHNS COUNTY, FLORIDA

Attest:



Deputy Clerk

By:



Chairman

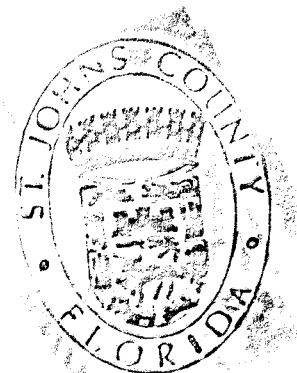


EXHIBIT "A"

The pledge of net water and sewer revenues of the Ponte Vedra System and legally available Ponte Vedra System connection fees described in the foregoing resolution is subject to the prior pledge thereof in favor of the following St. Johns County obligations:

- (1) Ponte Vedra Utility System Revenue Bonds, Series 2006
- (2) Ponte Vedra Utility System Revenue Bonds, Series 2007

DRINKING WATER STATE REVOLVING FUND BUSINESS PLAN

Sponsor Name: St. Johns County System Population: 21,902

DWSRF Project #: _____ PWS ID#: _____

Contact Person and Title: Neal Shinkre, P.E. MBA, Utility Engineering Manager Telephone: (904) 209-2709

Mailing Address: 1205 State Road 16 City: St. Augustine State: FL Zip: 32084

Contact for Finance Plan (if different): Diane Kemp, CDM Smith Telephone: (813) 281-2900

Mailing Address: 1715 N. Westshore, Suite 875 City: Tampa State: FL Zip: 33607

e-mail: nshinkre@sicfl.us or kempdc@cdmsmith.com Fax: (904) 209-2710

Source Type: Ground Water Purchase Water
 Surface Water Surface/Ground Combined

The Drinking Water State Revolving Fund Program (DWSRF), authorized by the 1996 amendments to the Safe Drinking Water Act, provides financial assistance to public water systems (PWS). To obtain this assistance, project sponsors must demonstrate Capacity Development or demonstrate how the assistance will ensure these requirements are met. The term Capacity Development takes into consideration three vital areas of a public water system: Technical, Managerial, and Financial capabilities.

FINANCIAL

A financial capability demonstration (and certification) is required well before the evaluation of the actual loan or grant application. This demonstration is necessary to ensure that the system has the financial capability to repay the loan, if applicable, and to adequately operate and maintain the system. Financial capability also includes funding future capital improvements that may be required. Please see Rule 62-552.700(4) in Chapter 62-552, F.A.C. for further details.

It is expected that the revenues to be dedicated to repaying a loan will be generated either from water and sewer utility operations or from water utility operations alone. If the source of revenues will not be from such enterprises, this set of worksheets alone will not satisfy the Department's needs. (Please contact the Department for further guidance if dedicated revenues will be generated externally to such utilities.)

The following worksheets have been developed to identify the minimum information needed. The completed worksheets should be used in disclosing DWSRF project financing to the public during the required dedicated revenue hearing. The worksheets can serve to identify the impacts of the SRF project on residential users and how the project fits into the project sponsor's overall capital improvement program for the water and sewer utility (or water utility, as appropriate). Supplemental capital financing documentation may be submitted with these worksheets and may be presented at the required dedicated revenue hearing.

The revenues being dedicated to repayment of the DWSRF loan are: Net Revenues (Rates, Fees, Rentals, Charges & Other Income + investment earnings – Oper. Expenses)

What is the frequency of water system billing? Monthly

How often are system rates reviewed for adequacy? Annually

When was the last time rates were reviewed? 2012

What resources and guidance does the water system use for setting water user rates, fees or charges? Consultant Rate Study

What is your water system bond rating? AA-

Is a rate increase necessary as a result of this project? No

What is the Median Household Income (MHI) for the entire system? \$81,769

Which, if any, of the following activities must be undertaken to implement the DWSRF project?

Acquire privately held land? Yes No

Acquire land held by another public water system entity? Yes No

Enter into inter-local or inter-project sponsoring agency's agreements? Yes No

Does the system have an annual budget with a separate reserve account for equipment replacement and/or capital improvement? Yes No

Does the system have a capital improvement plan? How many years does it cover? 5
 Does the system have a governing board of directors?
 Does the water system employ the services of a professional engineer?
 Are there procedures for billing and collection?
 Does the system have audited financial statements?
 Are there standard purchasing procedures that provide controls over expenditures?
 What year will construction be completed and repayments begin (for the first project)?
 What is the estimated cost of your SRF project?

Yes No
 Yes No
 Yes No
 Yes No
 Yes No
 Yes No

2016
\$5,330,000 Construction

Please attach a copy of the user charge ordinance.

Table 1
WATER RATE REVENUE SUMMARY

		LAST YR. 2012	YEAR 1 (Current Year) 2013	YEAR 2 2014	YEAR 3 2015	SRF Project 2016
1.	Number of Residential Equiv. Customers	10,120	10,120	10,145	10,170	10,195
2.	Number of New Residential Service Connections	18	0	25	25	25
3.	Annual Residential Water Sales (1,000 Gallons)	1,065,424	1,294,561	1,298,133	1,301,689	1,305,395
4.	Avg Daily Residential Usage (Gal/day) (Line 3 divided by line 1 divided by 365)	288	351	351	351	351
5.	Annual Residential Water Sales (\$)	\$4,729,825	\$5,491,600	\$5,506,600	\$5,521,500	\$5,536,900
6.	Average Annual Residential Bill (line 5 divided by line 1)	\$467.37	\$542.65	\$542.79	\$542.92	\$543.10
7.	Annual Residential Bill Amount Uncollected*	(\$3,733)	0	0	0	0
8.	Total Residential Rates Collected (Line 5 minus line 7)	\$4,726,092	\$5,491,600	\$5,506,600	\$5,521,500	\$5,536,900
9.	Impact and Connection Fees per Residential Service	\$1,878.58	\$0	\$0	\$0	\$0
10.	Total Residential Impact and Connection Fees (Line 2 times line 9)	\$33,546	\$0	\$0	\$0	\$0
11.	Number of Com, Irr, Gov. Customers	1,116	1,116	1,116	1,116	1,116
12.	Number of New Commercial Service Connections	0	0	0	0	0
13.	Annual Commercial Water Sales (1,000 Gallons)	273,504	311,998	311,998	311,998	311,998
14.	Annual Commercial Water Sales (\$)	\$1,175,413	\$1,364,170	\$1,364,170	\$1,364,170	\$1,364,170
15.	Annual Commercial Bill Amount Uncollected	0	0	0	0	0
16.	Total Commercial/Industrial Bills Collected (Line 14 minus line 15)	\$1,175,413	\$1,364,170	\$1,364,170	\$1,364,170	\$1,364,170
17.	Impact and Connection Fees for Commercial Service	0	0	0	0	0
18.	Total Commercial Impact and Connection Fees (Line 12 times line 17)	0	0	0	0	0
19.	Bulk Water Sales	\$120,579	\$140,000	\$140,000	\$140,000	\$140,000
20.	Total Projected Water Revenue (Line 8+10+16+18+19)	\$6,055,630	\$6,995,770	\$7,010,770	\$7,025,670	\$7,041,070

* The bad debt amount was actually \$40,334 in FY 2012. The amount listed for FY 2012 adjusts the total revenue calculated to the actual amount on Table 2. The projected revenue on Table 2 is based on a 0.2% increase annually from FY2013.

Instructions for Completing Table 1

Identify the source of the above information and explain methods used to develop the projections (*Attachment # 1*). Include an explanation of any revenue and expense growth or other adjustments; for example, any rate increases, service growth, inflation adjustments, expense adjustments reflecting the cost of operating additional facilities, or other considerations. In completing this table assume through year 3 that no SRF project is constructed. In the "SRF Project" column enter the numbers that reflect the first year in which the SRF loan will begin repayments. When completing the numbers in this column assume that the SRF project will be financed using 100% loan funding.

- Line 1 Include the actual number of customers for last year and year 1 (current year). The numbers in years 2 and 3 should reflect an estimated number of residential customers, adjusted for growth. In the SRF column include the expected number of customers based on constructing your SRF project.
- Line 2 This line is a subset of line 1. It should reflect the number of new customers for that year.
- Line 3 This line is your total volume (gallons) of water used by your residential customers. Use actual gallons sold for Last Year and do an estimate for the current year based on total to-date. To determine Year 2 and 3 water sales, first calculate the average daily residential usage in gallons per day on line 4. The estimated water sales for Year 2 and 3 can now be determined by multiplying line 4 by line 1.
- Line 4 This is the average daily residential usage (gallons per day) by a single residential customer. To get this number divide line 3 by line 1. Use Last Year and Current Year to project usage for Year 2 and 3. Usage should be fairly constant.
- Line 5 This is your total residential water sales in dollars. Year 2 and 3 water sales should reflect any increases in rates (i.e. due to inflation). In the SRF column list what the sales would need to be if the SRF project was a 100% loan (to meet all expenses).
- Line 6 To obtain the average annual residential bill, divide line 5 by line 1.
- Line 7 This is the amount of the uncollected residential bills outstanding for the year.
- Line 8 Line 5 minus line 7.
- Line 9 This line is the impact and connection fee for new residential service.
- Line 10 Multiply line 2 by line 9.
- Line 11 Include the actual number of customers for last year and year 1 (current year). The numbers in years 2 and 3 should reflect an estimated number of commercial customers, adjusted for growth. In the SRF column include the expected number of customers based on constructing your SRF project.
- Line 12 This line is a subset of line 11. It should reflect the number of new customers that will be charged an impact or connection fee.

- Line 13 This line is your total volume (gallons) of water used by your commercial accounts.
- Line 14 This is your total commercial water sales in dollars. Year 2 and 3 water sales should reflect any increases in rates (i.e. due to inflation). In the SRF column list what the sales would need to be if the SRF project was a 100% loan (to meet all expenses).
- Line 15 This is the amount of the uncollected residential bills outstanding for the year.
- Line 16 Total revenue collected for commercial accounts (line 14 minus line 15).
- Line 17 This line is the impact and connection fee for new commercial/industrial accounts.
- Line 18 Multiply line 12 by line 17.
- Line 19 Total revenue for bulk water sales to consecutive systems.
- Line 20 Total of line 8+10+16+18+19.

TABLE 2
INCOME, EXPENSES, AND CASH FLOW STATEMENT

Income, Expense, and Cash Flow Statement		Last Yr.	Year 1 2013	Year 2 2014	Year 3 2015	SRF Project 2016
			Budget	Projections	Projections	Projections
OPERATING REVENUES						
1	Water Rates	6,022,083	6,995,500	7,010,500	7,025,400	7,041,000
2	Fire Protection					
3	Fees and Services	69,290	0	0	0	0
4	Interest Income					
5a	Other – Tap Fees	12,283	0	0	0	0
5b	Other – Miscellaneous	1,043	0	0	0	0
6	Total (Lines 1 - 5)	6,104,699	6,995,500	7,010,500	7,025,400	7,041,000
NON-OPERATING REVENUES						
7	Interest Income	24,787	10,700	11,100	11,400	11,800
8	Interfund Transfer					
9	Proceeds from the Sale of Assets					
10	Leases and Extraction Fees					
11	Construction Grants					
12	Proceeds from Borrowing		6,775,100			
13	Equity Contribution	33,546	0	0	0	0
14	Other – R&R, Unrestricted Reserve, Existing Bond Funds	866,593	673,150	365,000	222,500	185,000
15	Total (Lines 7 - 14)	924,926	7,458,950	376,100	233,900	196,800
OPERATING EXPENSES						
OPERATION AND MAINTENANCE						
16	Salaries (Operators) & Benefits	609,969	640,000	659,300	679,000	699,400
17	Benefits	0	0	0	0	0
18	Utilities	324,691	336,400	346,500	356,900	367,600
19	Chemicals & Treatment	186,003	158,700	165,900	173,400	181,300
20	Maintenance	107,197	170,400	177,800	185,500	193,500
21	Materials, Supplies & Parts	0	47,600	49,100	50,600	52,100
22	Transportation					
23	Purchased Water Costs					
24	Outside Services –	125,519	441,800	455,000	468,700	482,700
25	Other –	19,040	19,500	20,000	20,600	21,200
26	Total (Lines 16 – 25)	1,372,419	1,814,400	1,873,600	1,934,700	1,997,800

ADMINISTRATIVE						
27	Salaries and Benefits	0	0	0	0	0
28	Building Overhead					
29	Office Supplies & Postage	1,702	2,900	3,000	3,100	3,200
30	Insurance	4,487	16,500	17,000	17,500	18,000
31	Indirect Admin & Overhead	607,352	623,700	645,400	667,900	691,300
32	Maintenance	0	0 0		0	0
33	A/E & Professional Services	0	0	0	0	0
34	Other -	0	0	0	0	0
35	TOTAL (Lines 27 - 34)	613,541	643,100	665,400	688,500	712,500
36	Net Operating Income (Line 6 minus 26 minus 35)	4,118,739	4,538,000	4,471,500	4,402,200	4,330,700
NON-OPERATING EXPENSES						
37	Debt-Repayment – Principal and Interest	2,215,300	2,328,700	2,489,000	2,486,900	2,486,900
38	Capital Improvements Acquisition of Plant Equipment	941,998	7,521,750	441,800	302,700	268,800
39	Interfund Transfers					
40	To General Fund					
41	To Replacement Fund	230,000	344,200	344,200	350,300	351,100
42	To Emergency Fund					
43	Depreciation Expenses (If money is set aside)					
44	Other -					
45	TOTAL (Lines 37 + 44)	3,387,298	10,194,650	3,275,000	3,139,900	3,106,800
46	Net Non-Operating Income (Line 15 minus Line 45)	(2,462,372)	(2,735,700)	(2,898,900)	(2,906,000)	(2,910,000)
47	Net Income Before Taxes (Lines 36 + 46)	1,656,367	1,802,300	1,572,600	1,496,200	1,420,700
TAXES (N/A for publicly owned systems)						
48	Income Taxes					
49	Other Taxes					
50	TOTAL (Lines 48 + 49)	0	0	0	0	0
51	Net Income After Taxes (Line 47 minus 50)	1,656,367	1,802,300	1,572,600	1,496,200	1,420,700

Instructions for Completing Table 2

Identify the source of the above information and explain methods used to develop the projections (Attachment # 2). Include an explanation of any revenue and expense growth or other adjustments; for example, any rate increases, service growth, inflation adjustments, expense adjustments reflecting the cost of operating additional facilities, or other considerations.

REVENUES- Revenues include all sources of income to the system. They are separated on this form as: "Operating", lines 1-6 and "Non-Operating", lines 7-15. When using the subcategory "other" under any item, please write a descriptive term.

EXPENSES- Expenses include all those activities or purchases which incur cost for the system. Expenses can be estimated in various ways. One method bases the projections on historical expense. This can be accomplished by using historical costs and escalating them from known and projected changes. An example of a known change would be an increase in labor costs for the budget period due to known or anticipated salary increases. An example of a projected increase or escalation in costs would be a 5% annual inflation rate. Materials and Supplies expense, for instance, would be expected to increase with the projected inflation rate. Expenses are separated on this form in the same fashion as Revenues with further subtopics to more clearly define expenses. When using the subcategory "other" under any item please write a descriptive term and cross out the word "other". Expenses are separated on this form as "Operating", lines 16-26, "Administrative", lines 27-35, "Non-Operating", lines 37-45, and "Taxes" lines 48-50.

Lines 1 This line includes all money received for supplying water service. Information should come from completed Attachment 1.

Line 2 If a separate fee is charged for fire protection include on this line.

Line 3 Include all miscellaneous fees and charges generated by providing water service other than for the actual water service (for example, connection fees, bad check fees, reconnect fees, meter testing fees, etc.).

Line 4 Interest earned from cash on hand or on fees financed by the utility.

Line 5 If used, please describe.

Non-operating revenues are funds generated outside the water system and used by the water system to cover expenses.

Lines 7-15 Items should be clear, modify topics if needed.

Lines 16-17 Salaries and Benefits (Operators), include all compensation to employees of your system when the work is related to the system's O&M. This account should not include compensation of officers, directors, or general and administrative staff. Volunteer labor cannot be applied.

Line 18 Utilities, includes the cost of all electric power, gas, telephone, water (at least account for what is being used at the plant), and any other system-related expenses incurred in producing and delivering water.

- Line 19 Chemicals and treatment is intended to cover the cost of all chemicals used in the treatment of your water.
- Line 20 Monitoring, includes all water monitoring costs incurred by the system. This should include both in-house monitoring and analysis costs as well as outside laboratory costs.
- Line 21 Materials, supplies, and parts means all materials and supplies used in the O&M of the water system and in providing and delivering the water to the customer. Include any repairs or parts needed in producing and delivering water. This would include grease, oil, and minor repairs to equipment. This should not include materials for administrative purposes such as postage, copying or copy machine supplies, billing forms, or letterhead.
- Line 22 Transportation is intended to include all expenses related to trucks, automobiles, construction equipment, and other vehicle expense used in producing and delivering water to the customer.
- Line 23 Include the cost of purchasing water. Use only if a consecutive system.

Administration expenses are considered overhead but not those directly related to O&M of the daily production and delivery of water to the customer. This category includes billing and administrative costs incurred by the system. For example, all meter reading costs, secretarial costs, postage, publications, reference materials, uncollectible debts insurance accounting services, and all other overhead items belong in this subsection.

- Lines 27 Salaries and Benefits include all compensation to employees of your system in which the work is related to the administration of the system, such as officers, directors, secretarial, and meter reading salaries and benefits. This account should not include compensation of operators. If an employee performs both operation and meter reading a percentage of their salary should appear under the appropriate topic. For example, if an operator reads meters 25% of the time, $\frac{3}{4}$ of their salary should be shown on line 16 and $\frac{1}{4}$ of their salary on line 27.
- Line 28 Overhead associated with the building itself such as, mortgage payment, insurance, taxes, maintenance, etc.
- Line 29 Office supplies and postage includes all materials and supplies in administration of the water system. This includes office supplies, postage, copier charges, and paper.
- Line 30 Insurance (Vehicles, Liability, Workers' Compensation) includes all insurance costs associated with the coverage for the vehicles, general liability, workers' compensation insurance, and other insurance costs related to the operation and administration of the system.
- Line 31 Customer billing and collection should include all expenses specific to this function such as, special billing forms or software.
- Lines 32 Accounting and legal expenses includes all salaries and wages with legal and accounting functions for the system even if they are outside services.

- Line 33 A/E and professional services means all engineering and other professional services expenses associated with water system planning and design requirements.
- Line 34 Other means expenses such as employee training and water certification requirements (classes, registration fees, travel, etc.), public relations campaigns and public notifications, etc. Also include any recurring expenses that did not fit into any of the above line items.

Non-operating expenses are ones that are necessary and paid by the water system, but are not part of daily O&M or Administration of the system. Debt Repayment and Capital Improvements are typical items that may appear on this type of analysis.

- Lines 37-42 Expenses that are involved in operating or administering the water system that were not considered in the totals appearing on lines 26 and 35 should be shown in these items, modify if necessary.
- Line 38 Capital improvements include facility and non-facility costs related to: 1) Meeting growth requirements or improving your system's infrastructure to provide better service and reliability to existing customers, 2) replacing or renovating existing facilities, or 3) to ensure compliance with drinking water regulations.
- Line 39-42 Identify any transfer of funds used to offsets other non-water system related capital expenditures. These lines represent some possible categories, modify if needed.
- Line 43 Depreciation expense only applies to systems which are currently depreciating investments made in the past (recovery of previously invested funds). Include amounts on this line only if money is actually set aside.
- Line 44 Include any recurring non-operating expenses that did not fit into any of the above line items.

Taxes can be incurred in a variety of ways such as a state utility tax, business and occupation tax, property tax or federal income tax. Each of these taxes can be accounted for separately within the operating budget, modify if necessary.

- Lines 48-49 Include any incurred taxes.

SCHEDULE OF PRIOR, PARITY, AND PROJECTED LIENS

List annual debt service beginning two years before the anticipated loan agreement date and continuing at least fifteen fiscal years. Include all existing and projected liens on the system. Use additional pages as necessary.

Identify Each Obligation		Coverage	Insured?
#1	Series 2006 PV Revenue Bond (60% Water)	1.1	Yes
#2	Series 2007 PV Revenue Bond (60% Water)	1.1	Yes
#3	_____		
#4	_____		
#5	_____		

Annual Debt Service (Principal Plus Interest)

Fiscal Year	#1	#2	#3	#4	#5	Total Debt Service	Total Debt Service Incl. Coverage
2012	\$1,211,300	\$1,004,000				\$2,215,300	\$2,436,830
2013	\$1,209,500	\$1,119,200				\$2,328,700	\$2,561,570
2014	\$1,211,000	\$1,278,000				\$2,489,000	\$2,737,900
2015	\$1,211,400	\$1,275,500				\$2,486,900	\$2,735,590
2016	\$1,208,500	\$1,278,400				\$2,486,900	\$2,735,590
2017	\$1,209,500	\$1,277,400				\$2,486,900	\$2,735,590
2018	\$1,209,500	\$1,276,800				\$2,486,300	\$2,734,930
2019	\$1,209,000	\$1,277,200				\$2,486,200	\$2,734,820
2020	\$1,210,700	\$1,276,700				\$2,487,400	\$2,736,140
2021	\$1,211,400	\$1,275,400				\$2,486,800	\$2,735,480
2022	\$1,210,400	\$1,275,500				\$2,485,900	\$2,734,490
2023	\$1,211,500	\$1,276,900				\$2,488,400	\$2,737,240
2024	\$1,210,500	\$1,277,100				\$2,487,600	\$2,736,360
2025	\$1,208,500	\$1,277,300				\$2,485,800	\$2,734,380
2026	\$1,211,300	\$1,277,100				\$2,488,400	\$2,737,240
2027	\$1,210,100	\$1,275,600				\$2,485,700	\$2,734,270
2028	\$1,210,100	\$1,275,800				\$2,485,900	\$2,734,490
2029	\$1,211,100	\$1,275,600				\$2,486,700	\$2,735,370
2030	\$1,210,100	\$1,276,500				\$2,486,600	\$2,735,260
2031	\$1,209,900	\$1,275,300				\$2,485,200	\$2,733,720
2032	\$1,210,500	\$1,278,000				\$2,488,500	\$2,737,350
2033	\$1,208,700	\$1,275,300				\$2,484,000	\$2,732,400
2034	\$1,210,500	\$1,276,400				\$2,486,900	\$2,735,590

**SCHEDULE OF PRIOR, PARITY, OR PROJECTED REVENUES AND DEBT
COVERAGE FOR RATE-BASED SYSTEM PLEDGED REVENUE**

(Provide information beginning with the two fiscal years preceding the anticipated date of the first SRF loan repayment.)

	<u>FY2012</u>	<u>FY2013</u>	<u>FY2014</u>	<u>FY2015</u>	<u>FY2016</u>
(a) Net Operating Revenues. (Table 2 line 36)	4,118,739	4,538,000	4,471,500	4,402,200	4,330,700
(b) Debt Service (including required coverage) pledged to all prior, parity, or projected projects (last column of Table 3).	2,436,830	2,561,570	2,737,900	2,735,590	2,735,590
(c) Net Revenue (= a - b)	1,681,909	1,976,430	1,733,600	1,666,610	1,595,110

- (d) Attach audited annual financial report(s), or pages thereof, and any other documentation necessary to support the above information. Include any notes or comments from the audit reports regarding compliance with covenants of debt obligations having a prior or parity lien on the revenues pledged for repayment of the SRF loan. (*Attachment # 3*)
- (e) Attach worksheets reconciling this page with the appropriate financial statements (for example, backing out depreciation and interest payments from operating expenses). (*Attachment # 4*)
- (f) If the net revenues were not sufficient to satisfy the debt service and coverage requirement, please explain what corrective action was taken. (*Attachment # _____*)
- (k) Identify the source of the above information and explain methods used to develop the projections (*Attachment # 5*). Include an explanation of any revenue and expense growth or other adjustments; for example, any rate increases, service growth, inflation adjustments, expense adjustments reflecting the cost of operating additional facilities, or other considerations.

LIST OF ATTACHMENTS (use additional sheets if necessary)

Attachment	Number
Revenue Calculation Sheets; Notice to Our Customers Rates; Single-Family, Multi-Family, Commercial, Irrigation and Government Customer Data	1
Operating and non-Operating Revenue Sheets; Operating Expense Sheets; FY 2012 Year-End Revenue & Expense; FY 2013 Budgeted Revenue & Expense; Raftelis Rate Study December 2012; Capital Expense and R&R Transfer Sheet; FY 2013 – 2017 CIP; Raftelis Rate Study December 2012.	2
Calculation of Historical Coverage; Series 2006 Debt Service Schedule and Coverage Requirement; CAFR pp. 39 & 71; Series 2007 Debt Service Schedule and Coverage Requirement; CAFR pp. 40 & 73.	3

FY 2013 Budget Period Amounts adjusted for SRF revenue and Budget Carry Forward; FY 2013 Budgeted Revenue and Expense.	4
Basis for projections – see no. 2 above.	5 is provided in Att. 2

TECHNICAL: Accurate answers to the following questions will help identify the technical strengths as well as areas that may need improving within your system. If a question or section does not apply to your system, please write N/A for not applicable. For questions that ask you to rate your system from 1 to 5, answer 1 for worst case scenario and answer 5 for the best case scenario.

- System has current and accurate data showing average and peak gpd used Yes No
- System's capacity exceeds peak demand by more than 20% (Percentage - %) Yes No
- System can meet peak demand without pumping at peak capacity for extended periods. Yes No
- System has an emergency plan in place to meet system demand during a shortage (natural disaster or largest pump/well out, etc.) Yes No
- System has accurate records indicating types and percentage of customers use:
Residential 87% Commercial 5% Industrial 0% Dedicated Irrigation Meter 7% Yes No
- System has comprehensive water loss program that compares amount of water produced (plant meter) with total delivered through metered and unmetered service connections (system's unaccounted for water is 14%) Yes No

Purchase Water Systems NA

- System has a written agreement with the supplier that:
- ensures adequate supply of water during shortage conditions, Yes No
 - does not require the purchase of a minimum amount of water (water is supplied through a meter), Yes No
 - assures supplying water system will remain in compliance with the appropriate State or federal regulations, and Yes No
 - assures purchasing system will be notified of any water quality issues. Yes No

Surface Water Systems and Systems Using Ground Water Under the Influence of Surface Water NA

- System has redundancy for all critical treatment components 1 2 3 4 5
- System monitors raw, settled, and individual filtered water turbidity 1 2 3 4 5
- System consistently (95% of the time) has a filtered water turbidity of _____%, which is within the current standard of .3 NTU 1 2 3 4 5
- System has the capability to add coagulant before the filter and disinfect at various points in the treatment process 1 2 3 4 5
- System is evaluating (or has evaluated) changes necessary to meet the Enhanced Surface Water Treatment Rule 1 2 3 4 5
Some needed changes are: _____
- System is evaluating (or has evaluated) changes needed to meet requirements in the Disinfection By Products Rule 1 2 3 4 5
Some planned modifications are: _____

Ground Water System NA

- A minimum of two sources of groundwater are provided Yes No
- Source water protection area provides a minimum 500 foot radius around each drinking water well Yes No
- Groundwater source capacity equals or exceeds the design maximum day demand and equals or exceeds the design average day demand with the largest producing well out of service Yes No
- System monitors raw water quality to determine appropriate treatment 1 2 3 **4** 5

- System's well(s) have; air/vacuum relief valve, check valve, blow-off, by-pass, meter, working sanitary seal, construction/maintenance records and are properly vented 1 2 **3** 4 5
- System routinely monitors drawdown 1 2 **3** 4 5

Disinfection

- System has adequate contact time of 30 minutes following disinfection and before the first user in the distribution system Yes No
- Disinfection equipment is regularly inspected and maintained Yes No
- A chlorine residual is maintained throughout the distribution system 1 2 3 4 **5**

Distribution System

- System has accurate information, including age, for pipe materials that currently make up the distribution system 1 2 3 **4** 5
- Water mains providing fire protection are a minimum of 6-inches in diameter Yes No
- System is free of severe "water hammer" problems 1 2 3 **4** 5
- System tracks ranges of operating pressure, especially during peak demand 1 2 3 **4** 5
- System maintains a minimum operating pressure of 20 psi Yes No
- Normal operating pressure is kept between 40 and 100 psi 1 2 3 **4** 5
- System has a routine leak detection program that uses (type of equipment)meter testing equipment, repairs identified leaks quickly, and keeps water loss in the distribution system below 10%. Average number of leak repairs per year is 115 (including service line repairs and household meter repairs) 1 2 3 **4** 5
- System has a cross connection control program in place that addresses: evaluation of each service connection, installation of specified backflow preventer, training, record keeping, annual testing, and education 1 2 3 **4** 5
- System is working to eliminate dead ends in the mains 1 2 3 **4** 5
- System has a flushing program that operates 12 times a year 1 2 3 **4** 5
- System has a map showing the bacteriological, lead and copper, and TTHM (if applicable) sampling points 1 2 3 **4** 5
- System has accurate "as-built" maps of the distribution system posted that show: location of sources (or intakes), size of mains, dead end mains, valves, curb stops on service lines, and proximity of mains to other utilities (gas, electric, etc.) 1 2 3 **4** 5
- System has a routine valve exercise program 1 2 3 **4** 5
- All customers are metered and all meters are routinely calibrated 1 2 **3** 4 5
- Customer complaints are relatively infrequent List number of complaints in the past year: 21. 1 2 3 4 **5**

Pumping

- System has a pump maintenance program that includes annual inspection, scheduling of repair, and routine maintenance that is conducted by a qualified contractor 1 2 **3** 4 5
- System has standby or emergency power equipment that is routinely tested under load and can provide 100% of the average daily demand for 3.125 days 1 2 **3** 4 5

Storage

- System is able to meet peak demand without the high service pumps running at peak capacity for extended period 1 **2** 3 4 5
- System has adequate reserve capacity for fire protection. Total storage capacity of the system is 2.52 gals 1 2 **3** 4 5
- System's 4 storage tanks receive routine inspection (every 3-5 years) to

- determine and schedule any needed maintenance 1 2 ③ 4 5
- All storage tanks are equipped with an altitude valve to prevent overflowing and are sized appropriately to ensure adequate turnover and no loss of water quality N/A 1 2 3 4 5
- Storage tanks are covered and the surrounding areas are fenced 1 2 3 ④ 5
- Storage tanks have a drain valve and an entry hatch to allow access for cleaning and painting of the interior of the tank 1 2 3 ④ 5

MANAGERIAL: Answering the next set of question will help the system clearly define responsible parties, staffing needs, operational needs, policies, and internal standard that guide system performance. For questions that ask you to rate your system from 1 to 5, answer 1 for worst case scenario and answer 5 for the best case scenario.

- System has a current organizational chart and accompanying position descriptions that clearly define responsibilities of staff members 1 2 3 **4** 5
- The plant is a category 5C plant operating 24 hours per day.

Plant	Category	Staffing Requirements
1. Plantations WTP	5C	6 hrs/day per week - 1 visit each weekend day
2. Sawgrass WTP	5C	1 hr/day per week - 1 visit each weekend day
3. Innlet Beach WTP	5C	1 hr/day per week - 1 visit each weekend day
4. Marsh Landing WTP	5C	5 visits per week - 1 visit per weekend

List names, class, and license numbers for all operators fulfilling staffing requirements:

Jerry Wright	C	0003915
Harold Peeples	C	0007007
Marc Rosarius	B	0014955
Hugh Mabry	C	0016883

- System is satisfied with service provided by contract operator(s) NA 1 2 3 **4** 5
- The operator's authority and responsibilities are clearly defined 1 2 3 **4** 5

Policies and Plans: Please indicate with a check mark the items for which the water system has written policies or plans.

- | | | |
|---|--|---|
| <input checked="" type="checkbox"/> standard specifications | <input checked="" type="checkbox"/> connection policies | <input type="checkbox"/> main extension policies |
| <input checked="" type="checkbox"/> bacteriological sampling plan | <input checked="" type="checkbox"/> emergency operation plan | <input checked="" type="checkbox"/> Lead & Copper sample plan |
| <input checked="" type="checkbox"/> cross connection control plan | <input type="checkbox"/> record management plan | <input checked="" type="checkbox"/> TTHM |
| <input checked="" type="checkbox"/> general rules | <input checked="" type="checkbox"/> disconnection policy | <input checked="" type="checkbox"/> public education & outreach |
| <input checked="" type="checkbox"/> disaster response plan | <input checked="" type="checkbox"/> personnel policy | <input checked="" type="checkbox"/> Safety/Risk Management Policy |

- Based on the answers above the system has: clear organizational structure, defined staffing requirements, and appropriate rules/policies 1 2 3 4 **5**

Operations and Maintenance: The items that follow are elements that may be contained in a thorough Operations and Maintenance (O&M) manual. A complete O&M manual is useful as a quick reference for anything from trouble shooting to emergency procedures. Please indicate with a check mark those items contained in the system's O&M manual.

Introduction and Overview

- | | | |
|---|---|--|
| <input checked="" type="checkbox"/> System name | <input checked="" type="checkbox"/> System ID# | <input checked="" type="checkbox"/> location |
| <input checked="" type="checkbox"/> design flow capacity | <input checked="" type="checkbox"/> type of treatment | <input checked="" type="checkbox"/> water source |
| <input type="checkbox"/> available training | <input type="checkbox"/> publications available | |
| <input checked="" type="checkbox"/> Statement of the purpose of the manual and relay to the operator how to best obtain pertinent information | | |
| <input type="checkbox"/> organizational chart (note which activities require qualified and licensed/certified personnel) | | |

General System Description

- a flow schematic (source to distribution)
- pumping capabilities (source, chemicals, and high service)
- storage (raw, finished water, and chemicals)
- system map showing location of all wells, intake structures, pumping stations, storage tanks, and the defined service area

System Operation and Control

- identification of major system components including a description of the normal operation of each component
- possible alternative operation modes and circumstances under which they would be used
- schematic diagrams of each treatment process
- preventative maintenance program (include inspections performed when the facility is off-line)
- common operating problems with methods of bypassing while being repaired
- importance of and how to use laboratory tests for process control
- routine system operation for each major system component this should include startup and shutdown procedures, safety procedures, and meter reading
- evaluation of overall system performance

Laboratory Testing

- identification of samples and tests needed for compliance as well as for process control.
- sampling locations, time, and methods
- how to interpret laboratory results and the use of these results to improve the process
- what should be in laboratory supply and chemicals inventory
- list of laboratory references;
- instructions for filling out worksheets for a sample (include completed example)
- for tests to be performed by outside laboratories, the name of the laboratory, contact person, telephone number, and method of requesting sample pick-up or schedule for sample pick-up

Records and Reports Section

- a general explanation of the purpose and importance of accurate records and reports
- a log of complaints and responses
- daily logs, maintenance records, laboratory records, monthly reports, monitoring reports, sanitary surveys, annual reports, operating cost reports, and accident reports.
- historical records (permits, standards, pumping capacity, consumption, and drawdown)
- list of equipment warranties and provisions
- specific area for filing records
- procedures for reporting to appropriate agencies (specify how long records should be kept)

Maintenance

- general information including purpose and value of scheduled and preventative maintenance
- preventative maintenance schedule and sample worksheets with instructions
- specifications for fuels, lubricants, filters, etc. for equipment
- troubleshooting charts or guides which reference pages in manufacturers' O&M manual or system's O&M manual as appropriate
- a record of data plate information on each piece of equipment maintained, this should include manufacturers' maintenance schedule for routine adjustments
- a work order system for maintenance of equipment with sample forms to accurately track O&M costs for each piece of equipment
- brief operation instructions for each piece of equipment with reference to the manufacturers' technical specifications for major system components
- a mechanism for storage and check out of specialized equipment used infrequently
- list of outside contract maintenance tasks
- contact person and phone numbers for equipment manufacturers, major suppliers, and all utilities serving the system
- list of special tools used and how to replace
- stocks of spare parts, supplies, chemicals and other items vital to system operation
- a system of requisitions and/or work orders used to distribute parts, supplies, chemicals, etc. for reorder purposes

Emergency Response Program

- pre-response activity such as; personnel assignments, emergency equipment inventory, filling a storage tank before a storm hits, copies of all emergency numbers. Laminated copy of phone numbers to keep readily accessible should include water system personnel responsible for making decisions in specific situations; including name, job title, home and work phone number (pager/cell phone number if available), police, fire departments, and for chemical spills or exposure CHEMTECH 800-424-9300.
- safety procedures for all personnel involved in the response
- a contingency plan to ensure proper treatment of water even in adverse conditions which may include agreements with nearby water systems for equipment or personnel
- procedures for putting standby and emergency sources into active service
- procedures for notifying customers, the local health jurisdiction, and EPA of water quality problems
- systematic procedure for returning to normal operation

Appendix

The appendix can contain documents and other information that cannot be easily incorporated into the body of the manual. Large documents such as copies of plans and specifications may be stored separately from the main manual. The following list has examples of items that might be included in appendices. Please check all that apply to your O&M Manual.

- | | | |
|---|---|--|
| <input type="checkbox"/> Detailed design criteria | <input type="checkbox"/> User Charge System | <input checked="" type="checkbox"/> Approved shop drawings |
| <input type="checkbox"/> Schematics | <input type="checkbox"/> Piping color codes | <input type="checkbox"/> Valve indices or schedule |
| <input checked="" type="checkbox"/> As-built drawings | <input type="checkbox"/> Drinking water rules/Ordinance | <input checked="" type="checkbox"/> Manufacturers' manuals |

- Based on the answers above please rate the system's current O&M Manual. 1 2 **3** 4 5

The last set of questions is designed to help you evaluate the systems' source(s). Please read the item then circle the number from 1 (needs improving) to 5 (top notch) that you feel best describes your systems' current status relative to that item or check boxes as appropriate.

- System has an active Source Water Assessment Program 1 2 **3** 4 5

For Ground Water Systems:

- System has accurate historical information (like well driller's log and construction records) for each well 1 2 **3** 4 5
- Well(s) have the "zone of contribution" identified on a map 1 2 **3** 4 5
- No storage of potential contaminants in close proximity of well(s) 1 2 **3** 4 5
- Well(s) are housed and fenced and have an appropriate concrete pad 1 2 3 **4** 5
- Well casing(s) extend at least 12" above floor or ground 1 2 3 **4** 5
 - Name of aquifer is known: Yes No
 - Aquifer is: Upper Floridan Confined Unconfined

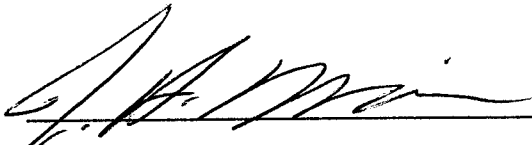
For Surface Water Systems:

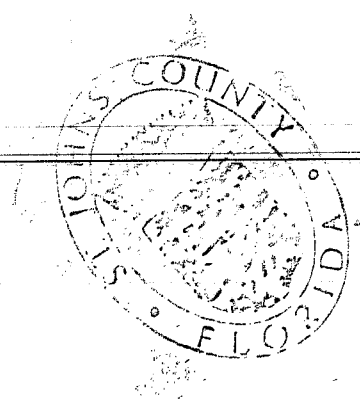
- Commercial, industrial, or agricultural operations up stream are identified 1 2 3 4 5
- System has provided a contact to these facilities in case of an accidental release 1 2 3 4 5
- System performs up stream monitoring 1 2 3 4 5
- System has a raw water reservoir of _____ gallons that acts as a buffer 1 2 3 4 5

Overall:

- System has adequate knowledge and program activity to protect and ensure an adequate supply of drinking water 10 years into the future 1 2 3 **4** 5

CERTIFICATION: I, the undersigned authorized representative of the applicant, hereby certify that all information contained in this form and attachments is true, correct, and complete to the best of my knowledge and belief. I also certify that I have been duly authorized to file the business plan and to provide these assurances.

Signature Of Authorized Representative 
Name (Please Print) John H. Morris
Title Board of County Commissioners Chairman
Address 500 San Sebastian View
City St. Augustine State FL Zip 32084
Phone 904-209-0300 Fax 904-209-0310



ATTACHMENT #1

TABLE 1

CALCULATION OF REVENUE

**St. Johns County - Ponte Vedra
Water Customer Base - Fiscal Year 2012**

					First 5,000	Next 5,000	Next 10,000	Over 20,001	Annual
	Customers	Units	ERC Factors	ERC's	1,000 gal	1,000 gal	1,000 gal	1,000 gal	1,000 gal
				12.67	1.42	1.72	4.18	5.07	
Residential									
Single family	8,640		1.00	8,640	325,223	188,941	230,797	268,757	1,013,719
Multi-family	50	1,850	0.80	1,480	46,491	4,394	711	109	51,705
Total Residential	8,690			10,120	371,715	193,335	231,508	268,866	1,065,424
				\$1,538,600	\$527,835	\$332,536	\$967,705	\$1,363,150	\$4,729,825
Commercial									
Total Commercial	430			1,457	40,273	23,673	17,149	8,139	89,233
				\$221,522	\$57,187	\$40,717	\$71,682	\$41,263	\$432,372
Irrigation									
	664			966	35,538	28,043	39,130	59,104	161,815
				\$146,871	\$50,464	\$48,234	\$163,565	\$299,656	\$708,789
Government									
	22			108	1,858	1,048	1,025	1,797	5,726
				\$16,420	\$2,638	\$1,802	\$4,283	\$9,109	\$34,252
Bulk Sales									
JEA	2			258	395	395	790	15,150	16,730
				\$39,226	\$561	\$679	\$3,303	\$76,809	120,579
Total Retail & Bulk	9,806			12,909	449,778	246,493	289,602	353,055	1,338,928

1,962,684 638,684 423,969 1,210,537 1,789,987 6,025,862

**St. Johns County - Ponte Vedra
Water Customer Base - Fiscal Year 2013**

					First 5,000	Next 5,000	Next 10,000	Over 20,001	Annual
	Customers	Units	ERC Factors	ERC's	1,000 gal	1,000 gal	1,000 gal	1,000 gal	1,000 gal
Residential				12.85	1.44	1.74	4.24	5.14	
Single family	8,640		1.00	8,640	395,168	229,576	280,434	326,558	1,231,736
Multi-family	50	1,850	0.80	1,480	56,490	5,339	864	132	62,825
Total Residential	8,690			10,120	451,658	234,915	281,298	326,690	1,294,561
				\$1,560,500	\$650,400	\$408,800	\$1,192,700	\$1,679,200	\$5,491,600
Commercial									
Total Commercial	430			1,457	48,934	28,764	20,837	9,889	108,424
				\$224,700	\$70,500	\$50,000	\$88,300	\$50,800	\$484,300
Irrigation									
	664			966	43,181	34,074	47,546	71,815	196,616
				\$149,000	\$62,200	\$59,300	\$201,600	\$369,100	\$841,200
Government									
	22			108	2,257	1,273	1,245	2,183	6,958
				\$16,700	\$3,250	\$2,220	\$5,280	\$11,220	\$38,670
Bulk Sales									
JEA	2			258	480	480	960	18,408	20,328
				\$39,800	\$700	\$600	\$4,100	\$94,600	\$140,000
Total Retail & Bulk	9,808			12,909	546,510	299,506	351,886	428,985	1,626,887

\$1,990,568 \$787,000 \$521,120 \$1,491,980 \$2,204,920

6,995,588

**St. Johns County - Ponte Vedra
Water Customer Base - Fiscal Year 2014**

					First 5,000	Next 5,000	Next 10,000	Over 20,001	Annual
	Customers	Units	ERC Factors	ERC's	1,000 gal	1,000 gal	1,000 gal	1,000 gal	1,000 gal
				12.85	1.44	1.74	4.24	5.14	
Residential									
Single family	8,665		1.00	8,665	396,314	230,242	281,247	327,505	1,235,308
Multi-family	50	1,850	0.80	1,480	56,490	5,339	864	132	62,825
Total Residential	8,715			10,145	452,804	235,581	282,111	327,637	1,298,133
				\$1,564,400	\$652,000	\$409,900	\$1,196,200	\$1,684,100	\$5,506,600
Commercial									
Total Commercial	430			1,457	48,934	28,764	20,837	9,889	108,424
				\$224,700	\$70,500	\$50,000	\$88,300	\$50,800	\$484,300
Irrigation									
	664			966	43,181	34,074	47,546	71,815	196,616
				\$149,000	\$62,200	\$59,300	\$201,600	\$369,100	\$841,200
Government									
	22			108	2,257	1,273	1,245	2,183	6,958
				\$16,700	\$3,250	\$2,220	\$5,280	\$11,220	\$38,670
Bulk Sales									
JEA	2			258	480	480	960	18,408	20,328
				\$39,800	\$700	\$800	\$4,100	\$94,600	\$140,000
Total Retail & Bulk	9,831			12,934	547,656	300,172	352,699	429,932	1,630,459

1,994,431 788,625 522,220 1,495,480 2,209,820

7,010,576

**St. Johns County - Ponte Vedra
Water Customer Base - Fiscal Year 2015**

					First 5,000	Next 5,000	Next 10,000	Over 20,001	Annual
	Customers	Units	ERC Factors	ERC's	1,000 gal	1,000 gal	1,000 gal	1,000 gal	1,000 gal
				12.85	1.44	1.74	4.24	5.14	
Residential									
Single family	8,690		1.00	8,690	397,454	230,905	282,057	328,448	1,238,864
Multi-family	50	1,850	0.80	1,480	56,490	5,339	864	132	62,825
Total Residential	8,740			10,170	453,944	236,244	282,921	328,580	1,301,689
				\$1,568,200	\$653,700	\$411,100	\$1,199,600	\$1,688,900	\$5,521,500
Commercial									
Total Commercial	430			1,457	48,934	28,764	20,837	9,889	108,424
				\$224,700	\$70,500	\$50,000	\$88,300	\$50,800	\$484,300
Irrigation									
	664			966	43,181	34,074	47,546	71,815	196,616
				\$149,000	\$62,200	\$59,300	\$201,600	\$369,100	\$841,200
Government									
	22			108	2,257	1,273	1,245	2,183	6,958
				\$16,700	\$3,250	\$2,220	\$5,280	\$11,220	\$38,670
Bulk Sales									
JEA	2			258	480	480	960	18,408	20,328
				\$39,800	\$700	\$800	\$4,100	\$94,600	\$140,000
Total Retail & Bulk	9,856			12,959	548,796	300,835	353,509	430,875	1,634,015

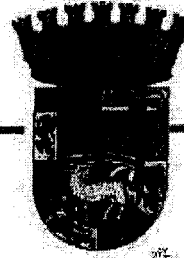
1,998,306 790,266 523,420 1,498,880 2,214,620 7,025,493

**St. Johns County - Ponte Vedra
Water Customer Base - Fiscal Year 2016**

					First 5,000	Next 5,000	Next 10,000	Over 20,001	Annual
	Customers	Units	ERC Factors	ERC's	1,000 gal	1,000 gal	1,000 gal	1,000 gal	1,000 gal
				12.85	1.44	1.74	4.24	5.14	
Residential									
Single family	8,715		1.00	8,715	398,644	231,595	282,901	329,430	1,242,570
Multi-family	50	1,850	0.80	1,480	56,490	5,339	864	132	62,825
Total Residential	8,765			10,195	455,134	236,934	283,765	329,562	1,305,395
				\$1,572,100	\$655,400	\$412,300	\$1,203,200	\$1,693,900	\$5,536,900
Commercial									
Total Commercial	430			1,457	48,934	28,764	20,837	9,889	108,424
				\$224,700	\$70,500	\$50,000	\$88,300	\$50,800	\$484,300
Irrigation									
	664			966	43,181	34,074	47,546	71,815	196,616
				\$149,000	\$62,200	\$59,300	\$201,600	\$369,100	\$841,200
Government									
	22			108	2,257	1,273	1,245	2,183	6,958
				\$16,700	\$3,250	\$2,220	\$5,280	\$11,220	\$38,670
Bulk Sales									
JEA	2			258	480	480	960	18,408	20,328
				\$39,800	\$700	\$800	\$4,100	\$94,600	\$140,000
Total Retail & Bulk	9,881			12,984	549,986	301,525	354,353	431,857	1,637,721

2,002,192 791,980 524,620 1,502,480 2,219,620 7,040,892

ATTACHMENT #1 – TABLE 1
NOTICE TO OUR CUSTOMERS – FY 2012 AND FY 2013 RATES



NOTICE TO OUR CUSTOMERS

CONSUMER PRICE INDEX ADJUSTMENT EFFECTIVE OCTOBER 1, 2012

In compliance with County Ordinance 2006-04, the water and wastewater rates along with Unit Connection Fees will increase by 1.4 percent. This increase is based on the current Consumer Price Index of all Urban Consumers (CPI-U), as recorded by the Bureau of Labor Statistics of the U.S. Department of Labor for July 2012. This increase will be seen on your first full billing cycle after the effective date.

Single Family:

WATER

	Current Rates	New Rates
Monthly Rate per ERC ⁽¹⁾	\$12.67 Base	\$12.85 Base
Block 1 (0 - 5,000 gallons)	\$1.42 per 1,000	\$1.44 per 1,000
Block 2 (5,001 - 10,000 gallons)	\$1.72 per 1,000	\$1.74 per 1,000
Block 3 (10,001 - 20,000 gallons)	\$4.18 per 1,000	\$4.24 per 1,000
Block 4 (20,001 gallons and over)	\$5.07 per 1,000	\$5.14 per 1,000

WASTEWATER

Monthly Rate per ERC ⁽¹⁾	\$15.51 Base	\$15.73 Base
Usage Charge	\$2.41 per 1,000	\$2.44 per 1,000

The volume charge for single-family users shall not exceed 10,000 gallons per dwelling unit.

Multi-Family:

WATER

Monthly Rate per ERC ⁽¹⁾	\$10.13 Base	\$10.27 Base
Block 1 (0-4,000 Gallons)	\$1.42 per 1,000	\$1.44 per 1,000
Block 2 (4,001 - 8,000 Gallons)	\$1.72 per 1,000	\$1.74 per 1,000
Block 3 (8,001 - 16,000 Gallons)	\$4.18 per 1,000	\$4.24 per 1,000
Block 4 (16,001 Gallons & Over)	\$5.07 per 1,000	\$5.14 per 1,000

WASTEWATER

Monthly Rate per single family dwelling or ERC	\$12.40 Base	\$12.57 Base
Usage Charge	\$2.41 per 1,000	\$2.44 per 1,000

The volume charge for multi-family users shall not exceed 8,000 gallons per dwelling unit.

UNIT CONNECTION FEES

Water - per single family dwelling or ERC	\$1,878.58	\$1,904.88
Wastewater - per single family dwelling or ERC	\$2,378.39	\$2,411.69

Commercial, Industrial & Combination:

All base rates and usage rates will increase by 1.4 percent based on number of ERC's per meter size.

Please contact the Utility Department at number above with any questions.

(1)ERC - Equivalent Residential Connection

Schedule 1
Water Customers And Billable Flow Projections

Accounts	Escalation					
	Factor	2012/13	2013/14	2014/15	2015/16	2016/17
Single Family	1	8,640	8,665	8,690	8,716	8,742
Multi-Family	2	50	50	50	50	50
Commercial	3	430	430	430	430	430
Governmental	4	22	22	22	22	22
Irrigation	5	664	664	664	664	664
JEA	6	2	2	2	2	2
Total		9,808	9,833	9,858	9,884	9,910
ERUs						
Single Family	1	8,640	8,665	8,690	8,716	8,742
Multi-Family (Adj Units)	2	1,850	1,850	1,850	1,850	1,850
Commercial	3	1,457	1,457	1,457	1,457	1,457
Governmental	4	108	108	108	108	108
Irrigation	5	966	966	966	966	966
JEA	6	258	258	258	258	258
Total		13,279	13,304	13,329	13,355	13,381
Flow						
Block 1						
Single Family		395,168	396,311	397,454	398,644	399,833
Multi-Family		56,490	56,490	56,490	56,490	56,490
Commercial		48,934	48,934	48,934	48,934	48,934
Governmental		2,257	2,257	2,257	2,257	2,257
Irrigation		43,181	43,181	43,181	43,181	43,181
JEA		480	480	480	480	480
Subtotal		546,509	547,653	548,796	549,985	551,174
Block 2						
Single Family		229,576	230,240	230,905	231,595	232,286
Multi-Family		5,339	5,339	5,339	5,339	5,339
Commercial		28,764	28,764	28,764	28,764	28,764
Governmental		1,273	1,273	1,273	1,273	1,273
Irrigation		34,074	34,074	34,074	34,074	34,074
JEA		480	480	480	480	480
Subtotal		299,506	300,170	300,834	301,525	302,216
Block 3						
Single Family		280,434	281,246	282,057	282,901	283,745
Multi-Family		864	864	864	864	864
Commercial		20,837	20,837	20,837	20,837	20,837
Governmental		1,245	1,245	1,245	1,245	1,245
Irrigation		47,546	47,546	47,546	47,546	47,546
JEA		960	960	960	960	960

Schedule 1
Water Customers And Billable Flow Projections

Accounts	Escalation					
	Factor	2012/13	2013/14	2014/15	2015/16	2016/17
Subtotal		351,887	352,698	353,509	354,353	355,197
Block 4						
Single Family		326,558	327,503	328,448	329,430	330,413
Multi-Family		132	132	132	132	132
Commercial		9,889	9,889	9,889	9,889	9,889
Governmental		2,183	2,183	2,183	2,183	2,183
Irrigation		71,815	71,815	71,815	71,815	71,815
JEA		18,408	18,408	18,408	18,408	18,408
Subtotal		428,984	429,929	430,874	431,856	432,839
Combined Flow						
Single Family		1,231,736	1,235,300	1,238,864	1,242,571	1,246,277
Multi-Family		62,825	62,825	62,825	62,825	62,825
Commercial		108,425	108,425	108,425	108,425	108,425
Governmental		6,957	6,957	6,957	6,957	6,957
Irrigation		196,615	196,615	196,615	196,615	196,615
JEA		20,328	20,328	20,328	20,328	20,328
Total		1,626,886	1,630,450	1,634,014	1,637,720	1,641,427

	Escalation Basis					
	Factor	2012/13	2013/14	2014/15	2015/16	2016/17
Single Family	1	1.0029	1.0029	1.0029	1.0029	1.0029
Multi-Family	2	1.0000	1.0000	1.0000	1.0000	1.0000
Commercial	3	1.0000	1.0000	1.0000	1.0000	1.0000
Governmental	4	1.0000	1.0000	1.0000	1.0000	1.0000
Irrigation	5	1.0000	1.0000	1.0000	1.0000	1.0000
JEA	6	1.0000	1.0000	1.0000	1.0000	1.0000

ATTACHMENT #1 TABLE 1

METER FACTOR SHEET

Kemp, Diane

From: Frank Kenton [fkenton@sjcfl.us]
Sent: Thursday, November 08, 2012 11:23 AM
To: Kemp, Diane
Subject: Meter Factors

SCHEDULE A (4)

ST JOHNS COUNTY	
WATER AND WASTEWATER ERU EQUIVALENCY FACTORS	
<u>Residential (Per Dwelling Unit)</u>	<u>Equivalency Factor</u>
Single Family	1.00
Multi-Family	0.80
<u>Non Residential</u>	
Water Meter Size	
5/8"	1.00
1.0"	2.50
1.5"	5.00
2.0"	8.00
3.0"	15.00
4.0"	25.00
6.0"	60.00
8.0"	80.00
10.0"	115.0

Please call if you have any questions.

Frank Kenton
Utility Administrative Manager
St. Johns County Utilities
1205 SR 16
St. Augustine, FL 32084
Ph: 904-209-2705
Fax: 904-209-2706

ATTACHMENT #2

TABLE 2

CALCULATION OF OPERATING EXPENSES

Attachment #2 - Calculation of Operating Expenses - Table #2:

**St. Johns County - Ponte Vedra
Water Operating Costs Fiscal Years 2012 - 2017^a**

Water System	Actual	Budget	Projected			
	FY 2012 ^a	FY 2013 ^a	FY 2014 ^b	FY 2015 ^b	FY 2016 ^b	FY 2017
Direct						
3 Salaries & Benefits	\$609,969	\$640,000	\$659,300	\$679,000	\$699,400	\$720,400
6 Contractual	124,419	440,700	453,900	467,600	481,600	496,000
1 Refuse	800	800	800	800	800	800
1 Deposit Interest Expense	300	300	300	300	300	300
6 Utilities	324,691	336,400	346,500	356,900	367,600	378,600
6 Maintenance	107,197	28,200	29,100	30,000	30,900	31,800
5 Other Maintenance		142,200	148,700	155,500	162,600	170,000
5 Operating Supplies	186,003	158,700	165,900	173,400	181,300	189,500
6 Tools, Gas & Oil	0	47,600	49,100	50,600	52,100	53,700
Other - Travel, Lease						
1 Equipment, Ads, Dues	19,040	4,800	4,800	4,800	4,800	4,800
5 Other - Communications		6,500	6,800	7,100	7,400	7,700
6 Other - Licenses	0	8,200	8,400	8,700	9,000	9,300
	1,372,419	1,814,400	1,873,600	1,934,700	1,997,800	2,062,900
Administration						
6 Office Supplies	1,702	2,900	3,000	3,100	3,200	3,300
6 Insurance	4,487	16,500	17,000	17,500	18,000	18,500
7 Indirect - Admin	196,401	196,400	205,300	214,600	224,400	234,600
6 Indirect - Overhead	410,951	427,300	440,100	453,300	466,900	480,900
	\$613,541	\$643,100	\$665,400	\$688,500	\$712,500	\$737,300

1,985,960 2,457,500 2,539,000 2,623,200 2,710,300 2,800,200

^a Fiscal year 2012 is per the 9/30/12 actual amounts.

Fiscal year 2013 is per the budget and the Raftelis rate study of December 2012.

^bFiscal years 2014 - 2016 are based on fiscal year 2013 budgeted expenses increased by the inflation percentages from the Raftelis Rate Study, December 2012.

ATTACHMENT #2 TABLE 2
RAFTELIS RATE STUDY, December 2012

Schedule 3
Projection of Water Net Fiscal Requirement

Description		Escalation	2012/13	2013/14	2014/15	2015/16	2016/17
		Factor					
Personnel Costs							
	Regular Salaries and Wages	3	\$ 438,400	\$ 451,600	\$ 465,100	\$ 479,100	\$ 493,500
	Overtime	3	20,300	20,900	21,500	22,100	22,800
	OPEB	3	12,200	12,600	13,000	13,400	13,800
	Employee Pensions and Benefits	3	169,100	174,200	179,400	184,800	190,300
Total Personnel Costs			\$ 640,000	\$ 659,300	\$ 679,000	\$ 699,400	\$ 720,400
Operating Costs							
Contract	Professional Fees	2	\$ 34,000	\$ 35,000	\$ 36,100	\$ 37,200	\$ 38,300
Contract	Deposit Interest Expense	2	300	300	300	300	300
Contract	Contractual Services	2	91,100	93,800	96,600	99,500	102,500
Contract	Consulting/Engineering	2	290,400	299,100	308,100	317,300	326,800
Contract	Service Charges	2	25,200	26,000	26,800	27,600	28,400
Contract	Refuse	5	800	800	800	800	800
Admin	Indirect Administration	7	196,400	205,300	214,600	224,400	234,600
Admin	Indirect Util Admin Ovrst	2	427,300	440,100	453,300	466,900	480,900
Other	Travel and Per Diem	2	1,200	1,200	1,200	1,200	1,200
Other	Communications	5	6,500	6,800	7,100	7,400	7,700
Utilities	Utilities	2	336,400	346,500	356,900	367,600	378,600
Other	Lease/Rental of Equipment	2	1,400	1,400	1,400	1,400	1,400
Other	Lease/Rental of Buildings	2	-	-	-	-	-
Admin	Insurance	6	16,500	17,000	17,500	18,000	18,500
Maint	Building Maintenance	6	7,000	7,200	7,400	7,600	7,800
Maint	Equipment Maintenance	6	2,000	2,100	2,200	2,300	2,400
Maint	Vehicle Maintenance	6	19,200	19,800	20,400	21,000	21,600
Maint	Other Maintenance	5	142,200	148,700	155,500	162,600	170,000
Admin	Office Supplies	3	2,900	3,000	3,100	3,200	3,300
Supplies	Software	5	-	-	-	-	-
Oper S	Operating Supplies	5	158,700	165,900	173,400	181,300	189,500
Supplies	Gas, Oil and Lubricants	6	45,300	46,700	48,100	49,500	51,000
Supplies	Tools and Small Equipment	3	2,300	2,400	2,500	2,600	2,700
Other	Training	2	-	-	-	-	-
Other	Advertising	2	1,500	1,500	1,500	1,500	1,500
Other	Dues and Memberships	3	700	700	700	700	700
Other	Permits and Licenses	3	8,200	8,400	8,700	9,000	9,300
	Less R&R Transfer	Input	-	-	-	-	-
	Contingency	0.0%	-	-	-	-	-
Total Operating Costs			\$ 1,817,500	\$ 1,879,700	\$ 1,944,200	\$ 2,010,900	\$ 2,079,800
Total O&M			\$ 2,457,500	\$ 2,539,000	\$ 2,623,200	\$ 2,710,300	\$ 2,800,200
Debt Service							
	Existing (2006 & 07 Bonds, FY 11 lease)	Input	\$ 2,328,700	\$ 2,489,000	\$ 2,486,900	\$ 2,486,900	\$ 2,486,900
	Proposed Series Bonds	Input	-	-	-	-	-
Total Debt Service			\$ 2,328,700	\$ 2,489,000	\$ 2,486,900	\$ 2,486,900	\$ 2,486,900
Transfers & Subordinate Debt							
	Renewal & Replacement	8	\$ 344,200	\$ 344,200	\$ 350,300	\$ 351,100	\$ 351,800
	Subordinate Debt Coverage	Input	-	-	226,800	453,600	453,600
Total Transfers & Subordinate Debt			\$ 344,200	\$ 344,200	\$ 577,100	\$ 804,700	\$ 805,400
Capital From Rates							
	Equipment	5	\$ 72,500	\$ 75,800	\$ 79,200	\$ 82,800	\$ 86,600
	Other	1	1,000	1,000	1,000	1,000	1,000
Total Capital From Rates			\$ 73,500	\$ 76,800	\$ 80,200	\$ 83,800	\$ 87,600
Total Fiscal Requirements			\$ 5,203,900	\$ 5,449,000	\$ 5,767,400	\$ 6,085,700	\$ 6,180,100
Other Revenue Sources							

Schedule 3
Projection of Water Net Fiscal Requirement

Description	Escalation					
	Factor	2012/13	2013/14	2014/15	2015/16	2016/17
Interest Earnings - Surplus Funds	7	\$ 10,700	\$ 11,100	\$ 11,400	\$ 11,800	\$ 12,200
Insurance proceeds	1	-	-	-	-	-
Sale of Surplus Property	1	-	-	-	-	-
Total Other Revenue Sources		\$ 10,700	\$ 11,100	\$ 11,400	\$ 11,800	\$ 12,200
Net Fiscal Requirement		\$ 5,193,200	\$ 5,437,900	\$ 5,756,000	\$ 6,073,900	\$ 6,167,900

	Escalation Basis					
	Factor	2012/13	2013/14	2014/15	2015/16	2016/17
Zero	0	0.0000	0.0000	0.0000	0.0000	0.0000
Constant	1	1.0000	1.0000	1.0000	1.0000	1.0000
Inflation	2	1.0300	1.0300	1.0300	1.0300	1.0300
Personnel	3	1.0300	1.0300	1.0300	1.0300	1.0300
Customer Growth	4	1.0019	1.0019	1.0019	1.0019	1.0020
Customer Growth & Inflation	5	1.0455	1.0455	1.0455	1.0455	1.0455
Repairs & Maintenance	6	1.0300	1.0300	1.0300	1.0300	1.0300
Indirect Admin	7	1.0455	1.0455	1.0455	1.0455	1.0455
R&R	0	5.0%	5.0%	5.0%	5.0%	5.0%
Interest Earnings Rate	0	1.5%	1.5%	1.5%	1.5%	1.5%

ATTACHMENT #2 TABLE 2
FY 2012 ACTUAL EXPENSES
AND
FY 2013 BUDGETED EXPENSES

Year	Title	BUDGET ORGN	Account	Account Title	YTD Expense		
12	2006 DEBT SERVICE	4451	57100	PRINCIPAL	-		
12	2006 DEBT SERVICE	4451	57200	INTEREST	1,297,450		
12	2006 DEBT SERVICE	4451	57301	COST OF ISSUANCE	-		
12	2007 DEBT SERVICE	4452	57100	PRINCIPAL	-		
12	2007 DEBT SERVICE	4452	57200	INTEREST	1,411,037		
12	2007 DEBT SERVICE	4452	57301	COST OF ISSUANCE	-		
12	FY11 TRANE LEASE DEBT SVC	4453	57100	PRINCIPAL	-		
12	FY11 TRANE LEASE DEBT SVC	4453	57200	INTEREST	4,325		
12	FY11 TRANE LEASE DEBT SVC	4453	57301	COST OF ISSUANCE	-		
12	SERIES'06 CAPTL PROJS	4455	53150	CONSULTING SERVICES	-		
12	SERIES'06 CAPTL PROJS	4455	53180	ENGINEERING SERVICES	-		
12	SERIES'06 CAPTL PROJS	4455	56100	LAND	-		
12	SERIES'06 CAPTL PROJS	4455	56301	IMPROVEMENTS O/T BUILDING	-		
12	SERIES'06 CAPTL PROJS	4455	56302	SYSTEM IMPROVEMENTS	149,985		
12	SERIES'06 CAPTL PROJS	4455	56400	EQUIPMENT	-		
12	SERIES'07 CAPTL PROJS	4456	53150	CONSULTING SERVICES	-		
12	SERIES'07 CAPTL PROJS	4456	53180	ENGINEERING SERVICES	-		
12	SERIES'07 CAPTL PROJS	4456	55200	OPERATING SUPPLIES	-		
12	SERIES'07 CAPTL PROJS	4456	56170	PERMITS/LICENSES	24,563		
12	SERIES'07 CAPTL PROJS	4456	56301	IMPROVEMENTS O/T BUILDING	-		
12	SERIES'07 CAPTL PROJS	4456	56302	SYSTEM IMPROVEMENTS	33,750		
12	SERIES'07 CAPTL PROJS	4456	56400	EQUIPMENT	-		
12	SERIES'07 CAPTL PROJS	4456	56403	COMPUTER EQUIPMENT	-	208,298	
12	R AND R CAPITAL PROJECTS	4457	56302	SYSTEM IMPROVEMENTS	640,023	640,023	
12	UNRSTRCTD RES CAPTL PROJS	4459	53180	ENGINEERING SERVICES	-		
12	UNRSTRCTD RES CAPTL PROJS	4459	54603	OTHER MAINTENANCE	-		
12	UNRSTRCTD RES CAPTL PROJS	4459	56170	PERMITS/LICENSES	-		
12	UNRSTRCTD RES CAPTL PROJS	4459	56302	SYSTEM IMPROVEMENTS	881,719		
12	UNRSTRCTD RES CAPTL PROJS	4459	56405	TELEMETRY SYSTEM	3,145	884,864	1,733,184
12	ADMINISTRATION	4470	51200	REGULAR SALARIES & WAGES	295,323		
12	ADMINISTRATION	4470	51300	OTHER SALARIES	-		
12	ADMINISTRATION	4470	51400	OVERTIME EMPLOYEES	1,526	296,848	
12	ADMINISTRATION	4470	52100	FICA/MEDICARE TAXES	22,425		
12	ADMINISTRATION	4470	52200	RETIREMENT CONTRIBUTIONS	13,542		
12	ADMINISTRATION	4470	52202	OPEB CONTRIBUTIONS	7,095		
12	ADMINISTRATION	4470	52300	LIFE & HEALTH INSURANCE	67,258		
12	ADMINISTRATION	4470	52400	WORKMENS COMPENSATION	1,295		
12	ADMINISTRATION	4470	52500	UNEMPLOYMENT COMPENSATION	61	111,677	
12	ADMINISTRATION	4470	52900	VEHICLE/LABOR CREDITS	-		
12	ADMINISTRATION	4470	53100	PROFESSIONAL FEES	29,883		
12	ADMINISTRATION	4470	53115	DEPOSIT INTEREST EXPENSE	464		
12	ADMINISTRATION	4470	53120	CONTRACTUAL SERVICES	99,125		
12	ADMINISTRATION	4470	53150	CONSULTING SERVICES	-		
12	ADMINISTRATION	4470	53180	ENGINEERING SERVICES	-		
12	ADMINISTRATION	4470	53200	AUDITING SERVICES	-		
12	ADMINISTRATION	4470	53201	SERVICE CHARGES	44,234	173,706	
12	ADMINISTRATION	4470	53401	INDIRECT ADMIN COSTS	327,335	327,335	
12	ADMINISTRATION	4470	53402	INDIRECT UTIL ADMIN OVRST	684,919	684,919	
12	ADMINISTRATION	4470	54000	TRAVEL AND PER DIEM	-		
12	ADMINISTRATION	4470	54100	COMMUNICATIONS	3,653		
12	ADMINISTRATION	4470	54300	UTILITIES	112		
12	ADMINISTRATION	4470	54400	LEASE/RENTAL OF EQUIPMENT	1,422		
12	ADMINISTRATION	4470	54401	LEASE/RENTAL OF BUILDING	-		
12	ADMINISTRATION	4470	54500	INSURANCE	7,478	7,478	
12	ADMINISTRATION	4470	54600	BUILDING MAINTENANCE	379		
12	ADMINISTRATION	4470	54601	EQUIPMENT MAINTENANCE	2,523		
12	ADMINISTRATION	4470	54602	VEHICLE MAINTENANCE	5,760		

12 ADMINISTRATION	4470	54603 OTHER MAINTENANCE	-	8,662	
12 ADMINISTRATION	4470	55100 OFFICE SUPPLIES	2,837	2,837	
12 ADMINISTRATION	4470	55102 SOFTWARE	-		
12 ADMINISTRATION	4470	55200 OPERATING SUPPLIES	14,424		
12 ADMINISTRATION	4470	55201 GAS, OIL, AND LUBRICANTS	11,624		
12 ADMINISTRATION	4470	55202 TOOLS & SMALL IMPLEMENTS	605	26,652	
12 ADMINISTRATION	4470	55401 TRAINING	63		
12 ADMINISTRATION	4470	55405 DUES AND MEMBERSHIPS	90	5,341	1,645,455
12 ADMINISTRATION	4470	56300 BUILDING IMPROVEMENTS	-		
12 ADMINISTRATION	4470	56301 IMPROVEMENTS O/T BUILDING	200,396	200,396	200,396
12 ADMINISTRATION	4470	56302 SYSTEM IMPROVEMENTS	-		
12 ADMINISTRATION	4470	56400 EQUIPMENT	-		
12 ADMINISTRATION	4470	56403 COMPUTER EQUIPMENT	-		
12 WATER TREATMENT	4471	51200 REGULAR SALARIES & WAGES	166,526		
12 WATER TREATMENT	4471	51400 OVERTIME EMPLOYEES	5,284		
12 WATER TREATMENT	4471	51500 SPECIAL PAY	-	171,810	
12 WATER TREATMENT	4471	52100 FICA/MEDICARE TAXES	13,006		
12 WATER TREATMENT	4471	52200 RETIREMENT CONTRIBUTIONS	8,416		
12 WATER TREATMENT	4471	52202 OPEB CONTRIBUTIONS	4,128		
12 WATER TREATMENT	4471	52300 LIFE & HEALTH INSURANCE	24,834		
12 WATER TREATMENT	4471	52400 WORKMENS COMPENSATION	2,340	52,724	
12 WATER TREATMENT	4471	52900 VEHICLE/LABOR CREDITS	-		
12 WATER TREATMENT	4471	53100 PROFESSIONAL FEES	11,245		
12 WATER TREATMENT	4471	53120 CONTRACTUAL SERVICES	8,806		
12 WATER TREATMENT	4471	53400 REFUSE	600	20,651	
12 WATER TREATMENT	4471	53401 INDIRECT ADMIN COSTS	-		
12 WATER TREATMENT	4471	53402 INDIRECT UTIL ADMIN OVRST	-		
12 WATER TREATMENT	4471	54000 TRAVEL AND PER DIEM	-		
12 WATER TREATMENT	4471	54100 COMMUNICATIONS	3,155		
12 WATER TREATMENT	4471	54300 UTILITIES	324,691	324,691	
12 WATER TREATMENT	4471	54400 LEASE/RENTAL OF EQUIPMENT	572		
12 WATER TREATMENT	4471	54500 INSURANCE	5,113	5,113	
12 WATER TREATMENT	4471	54600 BUILDING MAINTENANCE	2,714		
12 WATER TREATMENT	4471	54601 EQUIPMENT MAINTENANCE	-		
12 WATER TREATMENT	4471	54602 VEHICLE MAINTENANCE	3,021		
12 WATER TREATMENT	4471	54603 OTHER MAINTENANCE	31,882	37,618	
12 WATER TREATMENT	4471	54900 ADVERTISING	-		
12 WATER TREATMENT	4471	55100 OFFICE SUPPLIES	639		
12 WATER TREATMENT	4471	55200 OPERATING SUPPLIES	80,628	80,628	
12 WATER TREATMENT	4471	55201 GAS, OIL, AND LUBRICANTS	11,352		
12 WATER TREATMENT	4471	55202 TOOLS & SMALL IMPLEMENTS	78	12,069	
12 WATER TREATMENT	4471	55401 TRAINING	40		
12 WATER TREATMENT	4471	55405 DUES AND MEMBERSHIPS	90	3,857	709,161
12 WATER TREATMENT	4471	56302 SYSTEM IMPROVEMENTS	-		
12 WATER TREATMENT	4471	56400 EQUIPMENT	-		
12 WATER TREATMENT	4471	56403 COMPUTER EQUIPMENT	-		
12 WTR/SWR TRAN & DIST LINES	4472	51200 REGULAR SALARIES & WAGES	151,716		
12 WTR/SWR TRAN & DIST LINES	4472	51400 OVERTIME EMPLOYEES	14,827		
12 WTR/SWR TRAN & DIST LINES	4472	51501 ON CALL PAY	2,900	169,443	
12 WTR/SWR TRAN & DIST LINES	4472	52100 FICA/MEDICARE TAXES	12,341		
12 WTR/SWR TRAN & DIST LINES	4472	52200 RETIREMENT CONTRIBUTIONS	8,272		
12 WTR/SWR TRAN & DIST LINES	4472	52202 OPEB CONTRIBUTIONS	4,601		
12 WTR/SWR TRAN & DIST LINES	4472	52300 LIFE & HEALTH INSURANCE	36,913		
12 WTR/SWR TRAN & DIST LINES	4472	52400 WORKMENS COMPENSATION	2,297	64,424	
12 WTR/SWR TRAN & DIST LINES	4472	52900 VEHICLE/LABOR CREDITS	-		
12 WTR/SWR TRAN & DIST LINES	4472	53100 PROFESSIONAL FEES	-		
12 WTR/SWR TRAN & DIST LINES	4472	53120 CONTRACTUAL SERVICES	1,074	1,074	
12 WTR/SWR TRAN & DIST LINES	4472	53400 REFUSE	-		

12 WTR/SWR TRAN & DIST LINES	4472	54000 TRAVEL AND PER DIEM			
12 WTR/SWR TRAN & DIST LINES	4472	54100 COMMUNICATIONS	1,590		
12 WTR/SWR TRAN & DIST LINES	4472	54300 UTILITIES	*		
12 WTR/SWR TRAN & DIST LINES	4472	54400 LEASE/RENTAL OF EQUIPMENT	*		
12 WTR/SWR TRAN & DIST LINES	4472	54500 INSURANCE	9,455	9,455	
12 WTR/SWR TRAN & DIST LINES	4472	54600 BUILDING MAINTENANCE	185		
12 WTR/SWR TRAN & DIST LINES	4472	54601 EQUIPMENT MAINTENANCE	455		
12 WTR/SWR TRAN & DIST LINES	4472	54602 VEHICLE MAINTENANCE	21,727		
12 WTR/SWR TRAN & DIST LINES	4472	54603 OTHER MAINTENANCE	84,936	107,303	
12 WTR/SWR TRAN & DIST LINES	4472	55100 OFFICE SUPPLIES	196		
12 WTR/SWR TRAN & DIST LINES	4472	55200 OPERATING SUPPLIES	97,347	97,347	
12 WTR/SWR TRAN & DIST LINES	4472	55201 GAS, OIL, AND LUBRICANTS	28,610		
12 WTR/SWR TRAN & DIST LINES	4472	55202 TOOLS & SMALL IMPLEMENTS	2,706	31,511	
12 WTR/SWR TRAN & DIST LINES	4472	55401 TRAINING	63		
12 WTR/SWR TRAN & DIST LINES	4472	55405 DUES AND MEMBERSHIPS	335	1,987	482,544
12 WTR/SWR TRAN & DIST LINES	4472	56302 SYSTEM IMPROVEMENTS	*		
12 WTR/SWR TRAN & DIST LINES	4472	56400 EQUIPMENT	42,375	42,375	42,375
12 WTR/SWR TRAN & DIST LINES	4472	56403 COMPUTER EQUIPMENT	*		
12 SWR TRTMNT & DISPOSAL	4473	51200 REGULAR SALARIES & WAGES	376,034		
12 SWR TRTMNT & DISPOSAL	4473	51400 OVERTIME EMPLOYEES	25,819		
12 SWR TRTMNT & DISPOSAL	4473	51500 SPECIAL PAY	*	401,854	
12 SWR TRTMNT & DISPOSAL	4473	52100 FICA/MEDICARE TAXES	29,817		
12 SWR TRTMNT & DISPOSAL	4473	52200 RETIREMENT CONTRIBUTIONS	19,555		
12 SWR TRTMNT & DISPOSAL	4473	52202 OPEB CONTRIBUTIONS	10,062		
12 SWR TRTMNT & DISPOSAL	4473	52300 LIFE & HEALTH INSURANCE	80,684		
12 SWR TRTMNT & DISPOSAL	4473	52400 WORKMENS COMPENSATION	3,766	143,883	
12 SWR TRTMNT & DISPOSAL	4473	52900 VEHICLE/LABOR CREDITS	*		
12 SWR TRTMNT & DISPOSAL	4473	53100 PROFESSIONAL FEES	43,686		
12 SWR TRTMNT & DISPOSAL	4473	53120 CONTRACTUAL SERVICES	287,242		
12 SWR TRTMNT & DISPOSAL	4473	53400 REFUSE	5,674	336,602	
12 SWR TRTMNT & DISPOSAL	4473	54000 TRAVEL AND PER DIEM	*		
12 SWR TRTMNT & DISPOSAL	4473	54100 COMMUNICATIONS	10,024		
12 SWR TRTMNT & DISPOSAL	4473	54300 UTILITIES	460,285	460,285	
12 SWR TRTMNT & DISPOSAL	4473	54400 LEASE/RENTAL OF EQUIPMENT	572		
12 SWR TRTMNT & DISPOSAL	4473	54500 INSURANCE	11,312	11,312	
12 SWR TRTMNT & DISPOSAL	4473	54600 BUILDING MAINTENANCE	10,546		
12 SWR TRTMNT & DISPOSAL	4473	54601 EQUIPMENT MAINTENANCE	78		
12 SWR TRTMNT & DISPOSAL	4473	54602 VEHICLE MAINTENANCE	590		
12 SWR TRTMNT & DISPOSAL	4473	54603 OTHER MAINTENANCE	114,409	125,623	
12 SWR TRTMNT & DISPOSAL	4473	55100 OFFICE SUPPLIES	1,493		
12 SWR TRTMNT & DISPOSAL	4473	55200 OPERATING SUPPLIES	117,735	117,735	
12 SWR TRTMNT & DISPOSAL	4473	55201 GAS, OIL, AND LUBRICANTS	16,459		
12 SWR TRTMNT & DISPOSAL	4473	55202 TOOLS & SMALL IMPLEMENTS	451	18,404	
12 SWR TRTMNT & DISPOSAL	4473	55401 TRAINING	519		
12 SWR TRTMNT & DISPOSAL	4473	55405 DUES AND MEMBERSHIPS	240	11,355	1,627,053
12 SWR TRTMNT & DISPOSAL	4473	56302 SYSTEM IMPROVEMENTS	*		
12 SWR TRTMNT & DISPOSAL	4473	56400 EQUIPMENT	2,969	2,969	2,969
12 SWR TRTMNT & DISPOSAL	4473	56403 COMPUTER EQUIPMENT	*		
12 SWR TRTMNT & DISPOSAL	4473	59923 CONTIGENCY RESERVE	*		
12 SWR LIFT STATIONS	4474	51200 REGULAR SALARIES & WAGES	107,029		
12 SWR LIFT STATIONS	4474	51400 OVERTIME EMPLOYEES	11,735		
12 SWR LIFT STATIONS	4474	51501 ON CALL PAY	2,700	121,464	
12 SWR LIFT STATIONS	4474	52100 FICA/MEDICARE TAXES	8,935		
12 SWR LIFT STATIONS	4474	52200 RETIREMENT CONTRIBUTIONS	5,919		
12 SWR LIFT STATIONS	4474	52202 OPEB CONTRIBUTIONS	3,483		
12 SWR LIFT STATIONS	4474	52300 LIFE & HEALTH INSURANCE	27,884		
12 SWR LIFT STATIONS	4474	52400 WORKMENS COMPENSATION	1,284	47,506	
12 SWR LIFT STATIONS	4474	52900 VEHICLE/LABOR CREDITS	*		

12 SWR LIFT STATIONS	4474	53120 CONTRACTUAL SERVICES	12,588	12,588	
12 SWR LIFT STATIONS	4474	54000 TRAVEL AND PER DIEM	-		
12 SWR LIFT STATIONS	4474	54100 COMMUNICATIONS	1,307		
12 SWR LIFT STATIONS	4474	54300 UTILITIES	104,271	104,271	
12 SWR LIFT STATIONS	4474	54400 LEASE/RENTAL OF EQUIPMENT	-		
12 SWR LIFT STATIONS	4474	54500 INSURANCE	3,172	3,172	
12 SWR LIFT STATIONS	4474	54600 BUILDING MAINTENANCE	-		
12 SWR LIFT STATIONS	4474	54601 EQUIPMENT MAINTENANCE	-		
12 SWR LIFT STATIONS	4474	54602 VEHICLE MAINTENANCE	12,254		
12 SWR LIFT STATIONS	4474	54603 OTHER MAINTENANCE	63,032	75,285	
12 SWR LIFT STATIONS	4474	55100 OFFICE SUPPLIES	216		
12 SWR LIFT STATIONS	4474	55200 OPERATING SUPPLIES	4,043		
12 SWR LIFT STATIONS	4474	55201 GAS, OIL, AND LUBRICANTS	25,607	29,649	
12 SWR LIFT STATIONS	4474	55202 TOOLS & SMALL IMPLEMENTS	762	978	
12 SWR LIFT STATIONS	4474	55401 TRAINING	279		
12 SWR LIFT STATIONS	4474	55405 DUES AND MEMBERSHIPS	90	1,676	396,589
12 SWR LIFT STATIONS	4474	56302 SYSTEM IMPROVEMENTS	-		
12 SWR LIFT STATIONS	4474	56400 EQUIPMENT	-		
12 SWR LIFT STATIONS	4474	56403 COMPUTER EQUIPMENT	-		
12 NON-OPERATING ADMIN	4478	53115 DEPOSIT INTEREST EXPENSE	-		
12 NON-OPERATING ADMIN	4478	55209 PURCHASES	-		
12 NON-OPERATING ADMIN	4478	55900 DEPRECIATION EXPENSE	648,977		
12 NON-OPERATING ADMIN	4478	59301 REFUND P/Y REVENUES	-		
12 NON-OPERATING ADMIN	4478	59303 SAL AND BEN COMPENSATED A	-		
12 NON-OPERATING ADMIN	4478	59900 BAD DEBT EXPENSE	-		
12 NON-OPERATING ADMIN	4478	59904 ASSET DISPOSITION	-		
12 NON-OPERATING ADMIN	4478	59905 AMORTIZATION	81,516		
12 COUNTY COMMISSION RESERVE	4479	59920 RESERVE	-		
12 COUNTY COMMISSION RESERVE	4479	59923 CONTIGENCY RESERVE	-		
12 COUNTY COMMISSION RESERVE	4479	59927 CAPTIAL OUTLAY RESERVE	-		
12 COUNTY COMMISSION RESERVE	4479	59934 SALARY ADJUSTMENTS	-		
12 COUNTY COMMISSION RESERVE	4479	59935 R & R FUND	-		5,106,542

Year	Title	BUDGET ORGN	Account	Account Title	Budget
13	2006 DEBT SERVICE	4451	57100	PRINCIPAL	725000
13	2006 DEBT SERVICE	4451	57200	INTEREST	1290863
13	2006 DEBT SERVICE	4451	57301	COST OF ISSUANCE	0
13	2007 DEBT SERVICE	4452	57100	PRINCIPAL	450000
13	2007 DEBT SERVICE	4452	57200	INTEREST	1415232
13	2007 DEBT SERVICE	4452	57301	COST OF ISSUANCE	0
13	FY11 TRANE LEASE DEBT SVC	4453	57100	PRINCIPAL	161651
13	FY11 TRANE LEASE DEBT SVC	4453	57200	INTEREST	124627
13	FY11 TRANE LEASE DEBT SVC	4453	57301	COST OF ISSUANCE	0
13	SERIES'06 CAPTL PROJS	4455	52900	VEHICLE/LABOR CREDITS	0
13	SERIES'06 CAPTL PROJS	4455	53150	CONSULTING SERVICES	0
13	SERIES'06 CAPTL PROJS	4455	53180	ENGINEERING SERVICES	0
13	SERIES'06 CAPTL PROJS	4455	56100	LAND	0
13	SERIES'06 CAPTL PROJS	4455	56301	IMPROVEMENTS O/T BUILDING	0
13	SERIES'06 CAPTL PROJS	4455	56302	SYSTEM IMPROVEMENTS	0
13	SERIES'06 CAPTL PROJS	4455	56400	EQUIPMENT	0
13	SERIES'07 CAPTL PROJS	4456	53150	CONSULTING SERVICES	0
13	SERIES'07 CAPTL PROJS	4456	53180	ENGINEERING SERVICES	0
13	SERIES'07 CAPTL PROJS	4456	54603	OTHER MAINTENANCE	0
13	SERIES'07 CAPTL PROJS	4456	55200	OPERATING SUPPLIES	0
13	SERIES'07 CAPTL PROJS	4456	56170	PERMITS/LICENSES	0
13	SERIES'07 CAPTL PROJS	4456	56301	IMPROVEMENTS O/T BUILDING	0
13	SERIES'07 CAPTL PROJS	4456	56302	SYSTEM IMPROVEMENTS	0
13	SERIES'07 CAPTL PROJS	4456	56400	EQUIPMENT	0
13	SERIES'07 CAPTL PROJS	4456	56403	COMPUTER EQUIPMENT	0
13	R AND R CAPITAL PROJECTS	4457	56302	SYSTEM IMPROVEMENTS	1564569
13	UNRSTRCTD RES CAPTL PROJS	4459	53150	CONSULTING SERVICES	34032
13	UNRSTRCTD RES CAPTL PROJS	4459	53180	ENGINEERING SERVICES	450000
13	UNRSTRCTD RES CAPTL PROJS	4459	56170	PERMITS/LICENSES	13712
13	UNRSTRCTD RES CAPTL PROJS	4459	56302	SYSTEM IMPROVEMENTS	3673525
13	UNRSTRCTD RES CAPTL PROJS	4459	56405	TELEMETRY SYSTEM	0
13	SRL CAPTL PROJS	4461	56302	SYSTEM IMPROVEMENTS	4000000
13	ADMINISTRATION	4470	51200	REGULAR SALARIES & WAGES	305794
13	ADMINISTRATION	4470	51300	OTHER SALARIES	0
13	ADMINISTRATION	4470	51400	OVERTIME EMPLOYEES	3950
13	ADMINISTRATION	4470	52100	FICA/MEDICARE TAXES	23695
13	ADMINISTRATION	4470	52200	RETIREMENT CONTRIBUTIONS	17222
13	ADMINISTRATION	4470	52202	OPEB CONTRIBUTIONS	8256
13	ADMINISTRATION	4470	52300	LIFE & HEALTH INSURANCE	80550
13	ADMINISTRATION	4470	52400	WORKMENS COMPENSATION	1419
13	ADMINISTRATION	4470	52500	UNEMPLOYMENT COMPENSATION	0
13	ADMINISTRATION	4470	52900	VEHICLE/LABOR CREDITS	0
13	ADMINISTRATION	4470	53100	PROFESSIONAL FEES	35000
13	ADMINISTRATION	4470	53115	DEPOSIT INTEREST EXPENSE	550
13	ADMINISTRATION	4470	53120	CONTRACTUAL SERVICES	94720
13	ADMINISTRATION	4470	53150	CONSULTING SERVICES	0

440,886

172,270

13 ADMINISTRATION	4470	53180 ENGINEERING SERVICES	0
13 ADMINISTRATION	4470	53200 AUDITING SERVICES	0
13 ADMINISTRATION	4470	53201 SERVICE CHARGES	42000
13 ADMINISTRATION	4470	53401 INDIRECT ADMIN COSTS	← 327335
13 ADMINISTRATION	4470	53402 INDIRECT UTIL ADMIN OVRST	← 712089
13 ADMINISTRATION	4470	54000 TRAVEL AND PER DIEM	0
13 ADMINISTRATION	4470	54100 COMMUNICATIONS	3840
13 ADMINISTRATION	4470	54300 UTILITIES	0
13 ADMINISTRATION	4470	54400 LEASE/RENTAL OF EQUIPMENT	1440
13 ADMINISTRATION	4470	54401 LEASE/RENTAL OF BUILDING	0
13 ADMINISTRATION	4470	54500 INSURANCE	← 8316
13 ADMINISTRATION	4470	54600 BUILDING MAINTENANCE	500
13 ADMINISTRATION	4470	54601 EQUIPMENT MAINTENANCE	2500
13 ADMINISTRATION	4470	54602 VEHICLE MAINTENANCE	6900
13 ADMINISTRATION	4470	54603 OTHER MAINTENANCE	0
13 ADMINISTRATION	4470	55100 OFFICE SUPPLIES	← 2750
13 ADMINISTRATION	4470	55102 SOFTWARE	0
13 ADMINISTRATION	4470	55200 OPERATING SUPPLIES	15000
13 ADMINISTRATION	4470	55201 GAS, OIL, AND LUBRICANTS	← 17263
13 ADMINISTRATION	4470	55202 TOOLS & SMALL IMPLEMENTS	500
13 ADMINISTRATION	4470	55401 TRAINING	500
13 ADMINISTRATION	4470	55405 DUES AND MEMBERSHIPS	← 5930 150
13 ADMINISTRATION	4470	56300 BUILDING IMPROVEMENTS	0
13 ADMINISTRATION	4470	56301 IMPROVEMENTS O/T BUILDING	53722
13 ADMINISTRATION	4470	56302 SYSTEM IMPROVEMENTS	0
13 ADMINISTRATION	4470	56400 EQUIPMENT	← 86,222 32500
13 ADMINISTRATION	4470	56403 COMPUTER EQUIPMENT	0
13 ADMINISTRATION	4470	59904 ASSET DISPOSITION	0
13 WATER TREATMENT	4471	51200 REGULAR SALARIES & WAGES	163430
13 WATER TREATMENT	4471	51400 OVERTIME EMPLOYEES	10080
13 WATER TREATMENT	4471	51500 SPECIAL PAY	← 173,510 0
13 WATER TREATMENT	4471	52100 FICA/MEDICARE TAXES	13274
13 WATER TREATMENT	4471	52200 RETIREMENT CONTRIBUTIONS	9647
13 WATER TREATMENT	4471	52202 OPEB CONTRIBUTIONS	← 56,551 4128
13 WATER TREATMENT	4471	52300 LIFE & HEALTH INSURANCE	26850
13 WATER TREATMENT	4471	52400 WORKMENS COMPENSATION	2460
13 WATER TREATMENT	4471	52900 VEHICLE/LABOR CREDITS	0
13 WATER TREATMENT	4471	53100 PROFESSIONAL FEES	13000
13 WATER TREATMENT	4471	53120 CONTRACTUAL SERVICES	← 27,300 13500
13 WATER TREATMENT	4471	53400 REFUSE	800
13 WATER TREATMENT	4471	53401 INDIRECT ADMIN COSTS	0
13 WATER TREATMENT	4471	53402 INDIRECT UTIL ADMIN OVRST	0
13 WATER TREATMENT	4471	54000 TRAVEL AND PER DIEM	0
13 WATER TREATMENT	4471	54100 COMMUNICATIONS	3000
13 WATER TREATMENT	4471	54300 UTILITIES	← 336375
13 WATER TREATMENT	4471	54400 LEASE/RENTAL OF EQUIPMENT	576
13 WATER TREATMENT	4471	54500 INSURANCE	5310

13 WATER TREATMENT	4471	54600 BUILDING MAINTENANCE	6500
13 WATER TREATMENT	4471	54601 EQUIPMENT MAINTENANCE	0
13 WATER TREATMENT	4471	54602 VEHICLE MAINTENANCE	1500
13 WATER TREATMENT	4471	54603 OTHER MAINTENANCE	76800
13 WATER TREATMENT	4471	54900 ADVERTISING	0
13 WATER TREATMENT	4471	55100 OFFICE SUPPLIES	1000
13 WATER TREATMENT	4471	55200 OPERATING SUPPLIES	93311
13 WATER TREATMENT	4471	55201 GAS, OIL, AND LUBRICANTS	14091
13 WATER TREATMENT	4471	55202 TOOLS & SMALL IMPLEMENTS	500
13 WATER TREATMENT	4471	55401 TRAINING	700
13 WATER TREATMENT	4471	55405 DUES AND MEMBERSHIPS	400
13 WATER TREATMENT	4471	56302 SYSTEM IMPROVEMENTS	0
13 WATER TREATMENT	4471	56400 EQUIPMENT	16190
13 WATER TREATMENT	4471	56403 COMPUTER EQUIPMENT	1000
13 WTR/SWR TRAN & DIST LINES	4472	51200 REGULAR SALARIES & WAGES	152486
13 WTR/SWR TRAN & DIST LINES	4472	51400 OVERTIME EMPLOYEES	13000
13 WTR/SWR TRAN & DIST LINES	4472	51501 ON CALL PAY	2600
13 WTR/SWR TRAN & DIST LINES	4472	52100 FICA/MEDICARE TAXES	12859
13 WTR/SWR TRAN & DIST LINES	4472	52200 RETIREMENT CONTRIBUTIONS	9346
13 WTR/SWR TRAN & DIST LINES	4472	52202 OPEB CONTRIBUTIONS	5160
13 WTR/SWR TRAN & DIST LINES	4472	52300 LIFE & HEALTH INSURANCE	44742
13 WTR/SWR TRAN & DIST LINES	4472	52400 WORKMENS COMPENSATION	2300
13 WTR/SWR TRAN & DIST LINES	4472	52900 VEHICLE/LABOR CREDITS	0
13 WTR/SWR TRAN & DIST LINES	4472	53100 PROFESSIONAL FEES	0
13 WTR/SWR TRAN & DIST LINES	4472	53120 CONTRACTUAL SERVICES	1300
13 WTR/SWR TRAN & DIST LINES	4472	53400 REFUSE	0
13 WTR/SWR TRAN & DIST LINES	4472	54000 TRAVEL AND PER DIEM	1960
13 WTR/SWR TRAN & DIST LINES	4472	54100 COMMUNICATIONS	1920
13 WTR/SWR TRAN & DIST LINES	4472	54300 UTILITIES	0
13 WTR/SWR TRAN & DIST LINES	4472	54400 LEASE/RENTAL OF EQUIPMENT	0
13 WTR/SWR TRAN & DIST LINES	4472	54500 INSURANCE	9513
13 WTR/SWR TRAN & DIST LINES	4472	54600 BUILDING MAINTENANCE	250
13 WTR/SWR TRAN & DIST LINES	4472	54601 EQUIPMENT MAINTENANCE	900
13 WTR/SWR TRAN & DIST LINES	4472	54602 VEHICLE MAINTENANCE	22000
13 WTR/SWR TRAN & DIST LINES	4472	54603 OTHER MAINTENANCE	84000
13 WTR/SWR TRAN & DIST LINES	4472	55100 OFFICE SUPPLIES	200
13 WTR/SWR TRAN & DIST LINES	4472	55200 OPERATING SUPPLIES	93955
13 WTR/SWR TRAN & DIST LINES	4472	55201 GAS, OIL, AND LUBRICANTS	31820
13 WTR/SWR TRAN & DIST LINES	4472	55202 TOOLS & SMALL IMPLEMENTS	2500
13 WTR/SWR TRAN & DIST LINES	4472	55401 TRAINING	750
13 WTR/SWR TRAN & DIST LINES	4472	55405 DUES AND MEMBERSHIPS	275
13 WTR/SWR TRAN & DIST LINES	4472	56302 SYSTEM IMPROVEMENTS	75000
13 WTR/SWR TRAN & DIST LINES	4472	56400 EQUIPMENT	61400
13 WTR/SWR TRAN & DIST LINES	4472	56403 COMPUTER EQUIPMENT	0
13 SWR TRTMNT & DISPOSAL	4473	51200 REGULAR SALARIES & WAGES	401456
13 SWR TRTMNT & DISPOSAL	4473	51400 OVERTIME EMPLOYEES	28210
13 SWR TRTMNT & DISPOSAL	4473	51500 SPECIAL PAY	5750

84,800

15581

9986

17,190

168,000

74,401

1300

107,150

34,500

14,418

176,400

435,416

13 SWR TRTMNT & DISPOSAL	4473	52100 FICA/MEDICARE TAXES	33309
13 SWR TRTMNT & DISPOSAL	4473	52200 RETIREMENT CONTRIBUTIONS	24209
13 SWR TRTMNT & DISPOSAL	4473	52202 OPEB CONTRIBUTIONS	12384
13 SWR TRTMNT & DISPOSAL	4473	52300 LIFE & HEALTH INSURANCE	107352
13 SWR TRTMNT & DISPOSAL	4473	52400 WORKMENS COMPENSATION	4513
13 SWR TRTMNT & DISPOSAL	4473	52900 VEHICLE/LABOR CREDITS	0
13 SWR TRTMNT & DISPOSAL	4473	53100 PROFESSIONAL FEES	31839
13 SWR TRTMNT & DISPOSAL	4473	53120 CONTRACTUAL SERVICES	264930
13 SWR TRTMNT & DISPOSAL	4473	53400 REFUSE	6000
13 SWR TRTMNT & DISPOSAL	4473	54000 TRAVEL AND PER DIEM	0
13 SWR TRTMNT & DISPOSAL	4473	54100 COMMUNICATIONS	9720
13 SWR TRTMNT & DISPOSAL	4473	54300 UTILITIES	525780
13 SWR TRTMNT & DISPOSAL	4473	54400 LEASE/RENTAL OF EQUIPMENT	826
13 SWR TRTMNT & DISPOSAL	4473	54500 INSURANCE	11641
13 SWR TRTMNT & DISPOSAL	4473	54600 BUILDING MAINTENANCE	6500
13 SWR TRTMNT & DISPOSAL	4473	54601 EQUIPMENT MAINTENANCE	500
13 SWR TRTMNT & DISPOSAL	4473	54602 VEHICLE MAINTENANCE	935
13 SWR TRTMNT & DISPOSAL	4473	54603 OTHER MAINTENANCE	71950
13 SWR TRTMNT & DISPOSAL	4473	54900 ADVERTISING	700
13 SWR TRTMNT & DISPOSAL	4473	55100 OFFICE SUPPLIES	1500
13 SWR TRTMNT & DISPOSAL	4473	55200 OPERATING SUPPLIES	147270
13 SWR TRTMNT & DISPOSAL	4473	55201 GAS, OIL, AND LUBRICANTS	15797
13 SWR TRTMNT & DISPOSAL	4473	55202 TOOLS & SMALL IMPLEMENTS	500
13 SWR TRTMNT & DISPOSAL	4473	55401 TRAINING	700
13 SWR TRTMNT & DISPOSAL	4473	55405 DUES AND MEMBERSHIPS	530
13 SWR TRTMNT & DISPOSAL	4473	56302 SYSTEM IMPROVEMENTS	0
13 SWR TRTMNT & DISPOSAL	4473	56400 EQUIPMENT	0
13 SWR TRTMNT & DISPOSAL	4473	56403 COMPUTER EQUIPMENT	4000
13 SWR TRTMNT & DISPOSAL	4473	59923 CONTIGENCY RESERVE	0
13 SWR LIFT STATIONS	4474	51200 REGULAR SALARIES & WAGES	113343
13 SWR LIFT STATIONS	4474	51400 OVERTIME EMPLOYEES	8450
13 SWR LIFT STATIONS	4474	51501 ON CALL PAY	2600
13 SWR LIFT STATIONS	4474	52100 FICA/MEDICARE TAXES	9516
13 SWR LIFT STATIONS	4474	52200 RETIREMENT CONTRIBUTIONS	6916
13 SWR LIFT STATIONS	4474	52202 OPEB CONTRIBUTIONS	4128
13 SWR LIFT STATIONS	4474	52300 LIFE & HEALTH INSURANCE	35736
13 SWR LIFT STATIONS	4474	52400 WORKMENS COMPENSATION	1465
13 SWR LIFT STATIONS	4474	52900 VEHICLE/LABOR CREDITS	0
13 SWR LIFT STATIONS	4474	53120 CONTRACTUAL SERVICES	15300
13 SWR LIFT STATIONS	4474	54000 TRAVEL AND PER DIEM	0
13 SWR LIFT STATIONS	4474	54100 COMMUNICATIONS	2160
13 SWR LIFT STATIONS	4474	54300 UTILITIES	101109
13 SWR LIFT STATIONS	4474	54400 LEASE/RENTAL OF EQUIPMENT	1000
13 SWR LIFT STATIONS	4474	54500 INSURANCE	3932
13 SWR LIFT STATIONS	4474	54600 BUILDING MAINTENANCE	0
13 SWR LIFT STATIONS	4474	54601 EQUIPMENT MAINTENANCE	750
13 SWR LIFT STATIONS	4474	54602 VEHICLE MAINTENANCE	8270

181,767

302,764

79,085

17,717

24,117

4600

124,303

57,761

84,020

13 SWR LIFT STATIONS	4474	54603 OTHER MAINTENANCE	75000
13 SWR LIFT STATIONS	4474	55100 OFFICE SUPPLIES	400
13 SWR LIFT STATIONS	4474	55200 OPERATING SUPPLIES	← 6800
13 SWR LIFT STATIONS	4474	55201 GAS, OIL, AND LUBRICANTS	30000
13 SWR LIFT STATIONS	4474	55202 TOOLS & SMALL IMPLEMENTS	31,150 750
13 SWR LIFT STATIONS	4474	55401 TRAINING	500
13 SWR LIFT STATIONS	4474	55405 DUES AND MEMBERSHIPS	7692 100
13 SWR LIFT STATIONS	4474	56302 SYSTEM IMPROVEMENTS	0
13 SWR LIFT STATIONS	4474	56400 EQUIPMENT	1500 1500
13 SWR LIFT STATIONS	4474	56403 COMPUTER EQUIPMENT	0
13 SCADA	4475	53120 CONTRACTUAL SERVICES	← 33250
13 SCADA	4475	54500 INSURANCE	← 880
13 SCADA	4475	54602 VEHICLE MAINTENANCE	560
13 SCADA	4475	54603 OTHER MAINTENANCE	25,500 25000
13 SCADA	4475	55100 OFFICE SUPPLIES	250
13 SCADA	4475	55201 GAS, OIL, AND LUBRICANTS	3175 2925
13 NON-OPERATING ADMIN	4478	53115 DEPOSIT INTEREST EXPENSE	0
13 NON-OPERATING ADMIN	4478	55209 PURCHASES	0
13 NON-OPERATING ADMIN	4478	55900 DEPRECIATION EXPENSE	888445
13 NON-OPERATING ADMIN	4478	59100 TRANSFER TO FUNDS	0
13 NON-OPERATING ADMIN	4478	59301 REFUND P/Y REVENUES	0
13 NON-OPERATING ADMIN	4478	59303 SAL AND BEN COMPENSATED A	0
13 NON-OPERATING ADMIN	4478	59900 BAD DEBT EXPENSE	40334
13 NON-OPERATING ADMIN	4478	59904 ASSET DISPOSITION	0
13 NON-OPERATING ADMIN	4478	59905 AMORTIZATION	82000
13 COUNTY COMMISSION RESERVE	4479	59920 RESERVE	2400000
13 COUNTY COMMISSION RESERVE	4479	59923 CONTINGENCY RESERVE	0
13 COUNTY COMMISSION RESERVE	4479	59927 CAPTIAL OUTLAY RESERVE	828676
13 COUNTY COMMISSION RESERVE	4479	59934 SALARY ADJUSTMENTS	77000
13 COUNTY COMMISSION RESERVE	4479	59935 R & R FUND	502000

ATTACHMENT #2 TABLE 2
FY 2013 THROUGH FY 2017 CIP

Attachment #2 - Calculation of Capital Expenses and R&R Transfer - Table #2:

**St. Johns County - Ponte Vedra
Capital Costs Fiscal Years 2013 - 2017^a**

PROJECT DESCRIPTION	FISCAL YEAR	FISCAL YEAR	FISCAL YEAR	FISCAL YEAR
	2014	2015	2016	2017
	ENTERPRISE	ENTERPRISE	ENTERPRISE	ENTERPRISE
Marsh Landing Wastewater Treatment Plant	\$0	\$0	\$0	\$0
Players Club Wastewater Treatment Plant	\$0	\$0	\$0	\$0
Innlet Beach Wastewater Treatment Plant	\$90,000	\$0	\$0	\$0
Marsh Landing Water Treatment Plant	\$0	\$20,000	\$20,000	\$0
Innlet Beach Water Treatment Plant	\$20,000	\$20,000	\$20,000	\$0
Engineering Studies	\$50,000	\$125,000	\$50,000	\$0
Pump Stations	\$75,000	\$75,000	\$75,000	\$75,000
Forcemain System	\$0	\$0	\$0	\$0
GIS Mapping	\$50,000	\$50,000	\$50,000	\$50,000
Telemetry	\$75,000	\$75,000	\$75,000	\$75,000
Gravity Sewer Rehab Program	\$80,000	\$80,000	\$80,000	\$0
Water Transmission Mains	\$235,000	\$75,000	\$75,000	\$0
Reuse Force Mains	\$0	\$0	\$0	\$729,100
Misc. Equipment	\$0	\$0	\$0	\$0
Sawgrass WWTP	\$0	\$0	\$0	\$0
Plantation WTP	\$40,000	\$20,000	\$20,000	\$0
Sawgrass WTP	\$20,000	\$0	\$0	\$0
TOTAL:	\$735,000	\$540,000	\$465,000	\$929,100

* \$4.445 Mill under Misc Equip. is contingent on the SRF Loan - not currently in the budget

* \$6.7 Mill is the total estimated SRF loan amount

* Fiscal Year 2018 budget to be added in January/February

Water	SRF					
Marsh Landing Water Treatment Plant	\$822,300	\$822,300	\$0	\$20,000	\$20,000	\$0
Innlet Beach Water Treatment Plant	\$665,200	\$665,200	\$20,000	\$20,000	\$20,000	\$0
Engineering Studies	\$253,150.0		\$25,000.0	\$62,500.0	\$25,000.0	\$0.0
GIS Mapping	\$75,000.0		\$25,000.0	\$25,000.0	\$25,000.0	\$25,000.0
Water Transmission Mains	\$234,000		\$235,000	\$75,000	\$75,000	\$0
Misc. Equipment	\$4,445,100	\$4,445,100	\$0	\$0	\$0	\$0
Plantation WTP	\$842,500	\$842,500	\$40,000	\$20,000	\$20,000	\$0
Sawgrass WTP	\$111,000		\$20,000	\$0	\$0	\$0
	\$7,448,250	\$6,775,100	\$365,000	\$222,500	\$185,000	\$25,000

Sources						
R&R	\$319,700		\$173,400	\$105,700	\$87,900	\$11,900
Unrestricted Reserves	\$353,450		\$191,600	\$116,800	\$97,100	\$13,100
SRF	\$6,775,100					
	\$7,448,250		\$365,000	\$222,500	\$185,000	\$25,000
Capital from Rates	\$73,500		\$76,800	\$80,200	\$83,800	\$87,600
Transfer to R&R	\$344,200		\$344,200	\$350,300	\$351,100	\$351,800

ATTACHMENT #2 TABLE 2
RAFTELIS RATE STUDY – FIVE-YEAR CIP

Schedule 9
Capital Improvement Program Sources and Uses of Funds

	Total	2012/13	2013/14	2014/15	2015/16	2016/17
Sources:						
Beginning Balance	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Existing Operations						
a. Unrestricted Reserves	\$ 4,376,100	\$ 3,331,100	\$ 349,400	\$ 139,400	\$ 52,400	\$ 503,800
b. Unit Connection Fees	-	-	-	-	-	-
c. Renewal & Replacement	2,007,100	383,000	385,600	400,600	412,600	425,300
Revenue Bond Proceeds	-	-	-	-	-	-
SRF Loan Proceeds	6,775,100	6,775,100	-	-	-	-
Total Sources	\$ 13,158,300	\$ 10,489,200	\$ 735,000	\$ 540,000	\$ 465,000	\$ 929,100
Uses:						
Marsh Landing WWTP	\$216,100	\$216,100	\$0	\$0	\$0	\$0
Players Club WWTP	256,100	256,100	-	-	-	-
Inlet Beach WWTP	221,800	131,800	90,000	-	-	-
Marsh Landing WTP	842,300	822,300	-	20,000	20,000	-
Inlet Beach WTP	705,200	665,200	20,000	20,000	20,000	-
Engineering Studies	681,300	506,300	50,000	125,000	50,000	-
Pump Stations	906,600	756,600	75,000	75,000	75,000	75,000
Force Mains	15,000	15,000	-	-	-	-
GIS Mapping	250,000	150,000	50,000	50,000	50,000	50,000
Telemetry	227,100	77,100	75,000	75,000	75,000	75,000
Sewer Rehab Program	447,500	287,500	80,000	80,000	80,000	-
Water Trans Mains	544,000	234,000	235,000	75,000	75,000	-
Reuse Force Mains	-	-	-	-	-	729,100
Misc. Equipment	4,445,100	4,445,100	-	-	-	-
Sawgrass WWTP	972,600	972,600	-	-	-	-
Plantation WTP	902,500	842,500	40,000	20,000	20,000	-
Sawgrass WTP	131,000	111,000	20,000	-	-	-
Total Uses	\$11,764,200	\$10,489,200	\$735,000	\$540,000	\$465,000	\$929,100
Ending Balance		\$0	\$0	\$0	\$0	\$0

ATTACHMENT #2 TABLE 2

CALCULATION OF OPERATING AND NON-OPERATING REVENUE

**Attachment #2 - Calculation of Operating and Non-Operating Revenue - Table #2:
St. Johns County - Ponte Vedra
Water Operating Costs Fiscal Years 2012 - 2017^a**

Water System	Actual	Budget	Projected			
	FY 2012 ^a	FY 2013 ^a	FY 2014 ^b	FY 2015 ^b	FY 2016 ^b	FY 2017
Fire Hydrant Rental	\$0	\$0	\$0	\$0	\$0	\$0
Forfeited Discounts	-	-	-	-	-	-
Miscellaneous	1,043	-	-	-	-	-
Water Meter Tap Fees	12,283	-	-	-	-	-
Rental Income	-	-	-	-	-	-
Interest	24,787	10,700	11,100	11,400	11,800	12,200
Unit Connection Fees	33,546	-	-	-	-	-
Fees & Services	69,290	-	-	-	-	-
Other Income	-	-	-	-	-	-
	-	-	-	-	-	-
Total	\$140,948	\$10,700	\$11,100	\$11,400	\$11,800	\$12,200

^aMiscellaneous revenue, Interest and Fees & Services were allocated 50/50 between Water & Sewer. Unit Connection Fees are actual for FY 2012.

^bThe revenues are projected based on the Raffelis December 2012 rate study.

Water %	50.00%	50.00%	50.00%	50.00%	50.00%	50.00%
Sewer %	50.00%	50.00%	50.00%	50.00%	50.00%	50.00%
	<u>100.00%</u>	<u>100.00%</u>	<u>100.00%</u>	<u>100.00%</u>	<u>100.00%</u>	<u>100.00%</u>

Miscellaneous Revenue	52					
Filing & Application Fees						
Returned Check-Svc Cha	2,088	-				
Cash Short	(3)					
Refund PY Exp						
Miscellaneous Revenue	<u>2,085</u>	-				
Service Fees	138,579	-				
Interest	49,573	21,400	22,200	22,800	23,600	24,400

ATTACHMENT #2, TABLE 2
FY 2012 ACTUAL REVENUES

Year	Account Title	Budget	Org Account	YTD Receipts
12	WATER SALES	4450	34361	6,022,083
12	SERVICE FEES	4450	34362	138,579
12	COMBINED WTR/SWR SALES	4450	34363	-
12	METER INSTALLATIONS	4450	34365	12,283
12	WATER UNIT CONNECTION FEE	4450	34366	33,546
12	SEWER FEES	4450	34367	4,036,976
12	SEWER UNIT CONNECTION FEE	4450	34369	63,242
12	OIL & GREASE REVENUE	4450	34378	9,175
12	CASH SHORT & OVER	4450	34753	(3)
12	FILING/APPLICATION FEES	4450	34901	*
12	SALES TAX COMMISSION	4450	34907	12
12	RETURNED CHECK-SVC CHARGE	4450	35901	2,088
12	INTEREST EARNINGS-SBA	4450	36102	3,319
12	INTEREST EARNINGS-UNIT CO	4450	36116	1,875
12	INTEREST-SURPLUS FUNDS	4450	36121	30,749
12	INTEREST-MONEY MRKT	4450	36122	-
12	INTEREST - SHORT TERM	4450	36124	14,689
12	INTEREST SUNTRUST MM	4450	36125	234
12	NET INCR IN FV OF INVSTMT	4450	36130	(1,293)
12	SURPLUS PROP SALE (TXBLE)	4450	36401	8,150
12	INSURANCE PROCEEDS	4450	36402	4,252
12	CONTRIBUTIONS	4450	36603	-
12	REFUND PY EXPENDITURES	4450	36901	-
12	MISCELLANEOUS REVENUE	4450	36904	40
12	BOND PROCEEDS	4450	38401	-
12	BOND PREMIUM PROCEEDS	4450	38402	-
12	NOTE PROCEEDS	4450	38405	-
12	CARRYFORWARD	4450	38999	*

ATTACHMENT #3

CALCULATION OF HISTORICAL COVERAGE

Attachment #3 - Calculation of Historical Coverage

**St. Johns County - Ponte Vedra
Water Revenue Bond Debt Service Coverage Fiscal Years 2010 - 2013^a**

Water System	Actual	Actual	Actual	Budget
	FY2010 ^a	FY2011 ^a	FY 2012 ^a	FY 2013 ^a
Water Sales	\$5,592,488	\$6,463,050	\$6,022,083	\$6,995,500
Water Other Operating Revenue	73,450	82,650	82,615	-
Interest Revenue	49,829	28,214	24,787	10,700
Total Pledged Revenue	\$5,715,767	\$6,573,914	\$6,129,485	\$7,006,200
Operating Expenses	1,986,271	2,100,365	1,985,960	2,457,500
Revenue Available for Debt Service	\$3,729,496	\$4,473,549	\$4,143,524	\$4,548,700
Series 2006 Revenue Bond Debt Svc. Water 60% ^a	\$1,125,600	\$1,126,700	\$1,211,300	\$1,209,500
Series 2007 Revenue Bond Debt Svc. Water 60% ^b	854,000	854,000	1,004,000	1,119,200
	\$1,979,600	\$1,980,700	\$2,215,300	\$2,328,700
Coverage Factor	1.88	2.26	1.87	1.95
Coverage Factor Required ^{a,b}	1.10	1.10	1.10	1.10

^aTaken from Series 2006 Debt Service Schedule and 2010 CAFR pages 39 and 71. The Water percent is from the Raftelis December 2012 rate study.

^bTaken from Series 2007 Debt Service Schedule and 2011 CAFR pages 40 and 73. The Water percent is from the Raftelis December 2012 rate study.

4

ATTACHMENT #3

SERIES 2006 AND 2007 REVENUE BONDS – COVERAGE REQUIREMENT AND DEBT SERVICE SCHEDULE

2

NEW ISSUE - Book-Entry Only

See "RATINGS" herein

In the opinion of Rogers Towers, P.A., Bond Counsel, based upon an analysis of existing laws, regulations, rulings and court decisions, and assuming, among other matters, the accuracy of certain representations and compliance with certain covenants, interest on the Series 2006 Bonds is excluded from gross income for federal income tax purposes under Section 103 of the Internal Revenue Code of 1986. In the further opinion of Bond Counsel, interest on the Series 2006 Bonds is not a specific preference item for purposes of the federal individual or corporate alternative minimum taxes, although Bond Counsel observes that such interest is included in adjusted current earnings in calculating federal corporate alternative minimum taxable income. Bond Counsel is also of the opinion that the Series 2006 Bonds and the interest thereon are exempt from taxation under existing laws of the State of Florida, except as to estate taxes and taxes imposed by Chapter 220, Florida Statutes, on interest, income or profits on debt obligations owned by corporations, banks and savings associations. Bond Counsel expresses no opinion regarding any other tax consequences related to the ownership or disposition of, or the accrual or receipt of interest on, the Series 2006 Bonds. See "TAX EXEMPTION" herein.



\$30,920,000
ST. JOHNS COUNTY, FLORIDA
Ponte Vedra Utility System Revenue Bonds,
Series 2006

Dated: Date of Delivery

Due: October 1, in each year
as shown on the inside cover page

The St. Johns County, Florida, Ponte Vedra Utility System Revenue Bonds, Series 2006 (the "Series 2006 Bonds"), are being issued as fully registered bonds, without coupons, in denominations of \$5,000 or any integral multiple thereof. Interest on the Series 2006 Bonds is payable semiannually on each April 1 and October 1, commencing October 1, 2006, and will be payable by check or draft of J.P. Morgan Trust Company, National Association, Dallas, Texas, as Paying Agent, made payable and mailed to the holder at his or her address, as shown on the registration books of St. Johns County, Florida (the "County") maintained by J.P. Morgan Trust Company, National Association, as Registrar, as of the close of business on the fifteenth day of the calendar month (whether or not a business day) next preceding the applicable interest payment date; provided, however, at the request of any holder of Series 2006 Bonds, interest payments may be made by bank wire transfer to the account designated by such holder. Principal and premium, if any, of the Series 2006 Bonds is payable to the holder thereof upon presentation and surrender at the designated corporate trust office of the Paying Agent. Upon initial issuance, the Series 2006 Bonds will be registered in the name of and held by Cede & Co. as nominee for The Depository Trust Company ("DTC"), an automated depository for securities and a clearinghouse for securities transactions. So long as DTC or Cede & Co. is the registered owner of the Series 2006 Bonds, payments of the principal of and interest on the Series 2006 Bonds will be mailed directly to DTC or Cede & Co., which is to remit such payments to the Participants (as defined herein), which in turn are to remit such payments to the Beneficial Owners (as defined herein) of the Series 2006 Bonds. See "DESCRIPTION OF THE SERIES 2006 BONDS - Book-Entry Only System" herein.

The Series 2006 Bonds are subject to optional and mandatory redemption prior to their stated maturities as set forth herein.

The Series 2006 Bonds are being issued to provide funds to (1) acquire an existing water and wastewater utility system (the "Ponte Vedra Utility System"), (2) make various capital improvements to the Ponte Vedra Utility System, (3) pay for certain initial working capital costs related to the operation of the Ponte Vedra Utility System, and (4) pay certain costs and expenses relating to the issuance of the Series 2006 Bonds, including the premium for a municipal bond insurance policy and the premium for a debt service reserve insurance policy.

The Series 2006 Bonds are issued pursuant to and under the authority of Chapter 125, Part I, Florida Statutes, St. Johns County Ordinance No. 86-89, as amended, and other applicable provisions of law (collectively, the "Act"), and under and pursuant to Resolution No. 2006-21 adopted by the Board of County Commissioners of the County on January 24, 2006, as it may be amended and supplemented from time to time (the "Resolution"). The form of the Resolution is attached hereto as APPENDIX B.

The Series 2006 Bonds are payable solely from and secured by a lien upon and pledge of the Net Revenues, as such term is defined in the Resolution and described herein, of the Ponte Vedra Utility System (together with amounts on deposit in certain funds and accounts created in the Resolution, collectively, the "Pledged Funds"), all in the manner and to the extent described in the Resolution and herein. **THE SERIES 2006 BONDS ARE NOT SECURED BY OR PAYABLE FROM ANY REVENUES DERIVED FROM THE OPERATION OF THE EXISTING UTILITY SYSTEM OF THE COUNTY OR ANY OTHER FUNDS OR ASSETS OF SUCH EXISTING COUNTY UTILITY SYSTEM.**

This cover page contains certain information for quick reference only. It is not a summary of this issue. Investors must read the entire Official Statement to obtain information essential to the making of an informed investment decision.

THE SERIES 2006 BONDS SHALL NOT BE OR CONSTITUTE GENERAL OBLIGATIONS OR INDEBTEDNESS OF THE COUNTY AS "BONDS" WITHIN THE MEANING OF ANY CONSTITUTIONAL OR STATUTORY PROVISION, BUT SHALL BE SPECIAL OBLIGATIONS OF THE COUNTY, PAYABLE SOLELY FROM AND SECURED BY A LIEN UPON AND PLEDGE OF THE PLEDGED FUNDS, IN THE MANNER AND TO THE EXTENT PROVIDED IN THE RESOLUTION. NO HOLDER OF ANY SERIES 2006 BOND SHALL EVER HAVE THE RIGHT TO COMPEL THE EXERCISE OF ANY AD VALOREM TAXING POWER TO PAY SUCH SERIES 2006 BOND, OR BE ENTITLED TO PAYMENT OF SUCH SERIES 2006 BOND FROM ANY MONEYS OF THE COUNTY EXCEPT FROM THE PLEDGED FUNDS IN THE MANNER AND TO THE EXTENT PROVIDED IN THE RESOLUTION.

Concurrently with the issuance of the Series 2006 Bonds, a municipal bond insurance policy which unconditionally guarantees the payment of that portion of the principal of and interest on the Series 2006 Bonds which becomes due for payment, but shall be unpaid by reason of nonpayment by the County, will be issued by Financial Security Assurance Inc. See "MUNICIPAL BOND INSURANCE" herein.



The Series 2006 Bonds are offered when, as and if issued and received by the Underwriters, subject to the approval as to legality by Rogers Towers, P.A., Jacksonville, Florida, Bond Counsel. Certain legal matters will be passed on for the County by Edwards Cohen, Jacksonville, Florida, Counsel for the County, and by Nabors, Giblin & Nickerson, P.A., Tampa, Florida, Disclosure Counsel to the County. Public Financial Management, Inc., Orlando, Florida is acting as Financial Advisor to the County. It is expected that the Series 2006 Bonds will be delivered to the Underwriters through the facilities of DTC in New York, New York, on or about February 23, 2006.

RBC CAPITAL MARKETS

The Frazer Lanier Company
Incorporated

Dated: February 10, 2006

interest thereon), the funds on deposit in the Reserve Account may be transferred to the other Accounts of the Sinking Fund for the payment of the Bonds.

The County may also establish a separate subaccount in the Reserve Account for any Series of Additional Bonds and provide a pledge of such subaccount to the payment of such Series of Bonds apart from the pledge provided in the Resolution. To the extent a Series of Bonds is secured separately by a subaccount of the Reserve Account, the Holders of such Bonds shall not be secured by any other moneys in the Reserve Account. Moneys in a separate subaccount of the Reserve Account shall be maintained at the Reserve Account Requirement applicable to such Series of Bonds secured by the subaccount; provided the Supplemental Resolution authorizing such Series of Bonds may establish the Reserve Account Requirement relating to such separate subaccount of the Reserve Account at such level as the County deems appropriate. In the event the County by Supplemental Resolution establishes the Reserve Account Requirement for a particular Series of Bonds to be zero then it shall not be required to establish a separate subaccount; *provided, however*, such Series of Bonds shall have no lien on or pledge of any moneys on deposit in the Reserve Account. Moneys used to replenish the Reserve Account shall be deposited in the separate subaccounts in the Reserve Account and in the Reserve Account on a pro-rata basis. In the event the County shall maintain a Reserve Account Insurance Policy or Reserve Account Letter of Credit and moneys in such subaccount, the moneys shall be used prior to making any disbursements under such Reserve Account Insurance Policy.

Rate Covenant

In the Resolution, the County has covenanted to fix, establish, maintain and collect such rates, fees and charges for the products, services and facilities of the Ponte Vedra Utility System, and revise the same from time to time, whenever necessary, so as always to provide in each Fiscal Year Net Revenues equal to at least 110% of the Annual Debt Service becoming due in such Fiscal Year; provided such Net Revenues shall be adequate at all times to pay in each Fiscal Year at least 100% of (1) the Annual Debt Service becoming due in such Fiscal Year, (2) any amounts required by the terms of the Resolution to be deposited in the Reserve Account or with any issuer of a Reserve Account Insurance Policy or Reserve Account Letter of Credit in such Fiscal Year to pay Policy Costs, and (3) any amounts required by the Resolution to be deposited in the Renewal and Replacement Fund.

Such rates, fees or other charges shall not be so reduced so as to be insufficient to provide adequate Net Revenues for the purposes provided therefor by the Resolution.

If, in any Fiscal Year, the County shall fail to comply with the rate covenant set forth in the Resolution and described above, it shall cause the Rate Consultant to review its rates, fees, charges, income, Gross Revenues, Operating Expenses and methods of operation and to make written recommendations as to the methods by which the County

DEBT SERVICE SCHEDULE

The following table sets forth the annual debt service schedule for the Series 2006 Bonds.

Year Ending <u>October 1</u>	<u>Principal</u>	<u>Interest</u>	<u>Annual Debt Service</u>
2006		\$ 851,766.88	\$ 851,766.88
2007	\$ 405,000	1,406,587.50	1,811,587.50
2008	445,000	1,391,400.00	1,836,400.00
2009	500,000	1,374,712.50	1,874,712.50
2010	520,000	1,355,962.50	1,875,962.50
2011	540,000	1,337,762.50	1,877,762.50
2012	700,000	1,318,862.50	2,018,862.50
2013	725,000	1,290,862.50	2,015,862.50
2014	760,000	1,258,237.50	2,018,237.50
2015	795,000	1,224,037.50	2,019,037.50
2016	820,000	1,194,225.00	2,014,225.00
2017	860,000	1,155,275.00	2,015,275.00
2018	895,000	1,120,875.00	2,015,875.00
2019	930,000	1,085,075.00	2,015,075.00
2020	970,000	1,047,875.00	2,017,875.00
2021	1,010,000	1,009,075.00	2,019,075.00
2022	1,050,000	967,412.50	2,017,412.50
2023	1,095,000	924,100.00	2,019,100.00
2024	1,140,000	877,562.50	2,017,562.50
2025	1,185,000	829,112.50	2,014,112.50
2026	1,240,000	778,750.00	2,018,750.00
2027	1,300,000	716,750.00	2,016,750.00
2028	1,365,000	651,750.00	2,016,750.00
2029	1,435,000	583,500.00	2,018,500.00
2030	1,505,000	511,750.00	2,016,750.00
2031	1,580,000	436,500.00	2,016,500.00
2032	1,660,000	357,500.00	2,017,500.00
2033	1,740,000	274,500.00	2,014,500.00
2034	1,830,000	187,500.00	2,017,500.00
2035	<u>1,920,000</u>	<u>96,000.00</u>	<u>2,016,000.00</u>
Total	<u>\$30,920,000</u>	<u>\$27,615,279.38</u>	<u>\$58,535,279.38</u>

NEW ISSUE - Book-Entry Only

See "RATINGS" herein

In the opinion of Bond Counsel, under existing law, assuming continuing compliance with certain covenants in the Resolution described herein, interest on the Series 2007 Bonds is excluded from gross income for federal income tax purposes. See, however, "TAX MATTERS" herein for a description of certain federal minimum and other special taxes that may affect the tax treatment of interest on the Series 2007 Bonds.



\$30,620,000
ST. JOHNS COUNTY, FLORIDA
Ponte Vedra Utility System Revenue Bonds,
Series 2007

Dated: Date of Delivery

Due: October 1, in each year as shown on the inside cover page

The St. Johns County, Florida, Ponte Vedra Utility System Revenue Bonds, Series 2007 (the "Series 2007 Bonds"), are being issued as fully registered bonds, without coupons, in denominations of \$5,000 or any integral multiple thereof. Interest on the Series 2007 Bonds is payable semiannually on each April 1 and October 1, commencing April 1, 2008, and will be payable by check or draft of Regions Bank, Jacksonville, Florida, as Paying Agent, made payable and mailed to the holder at his or her address, as shown on the registration books of St. Johns County, Florida (the "County") maintained by Regions Bank, as Registrar, as of the close of business on the fifteenth day of the calendar month (whether or not a business day) next preceding the applicable interest payment date; provided, however, at the request of any holder of Series 2007 Bonds, interest payments may be made by bank wire transfer to the account designated by such holder. Principal and premium, if any, of the Series 2007 Bonds is payable to the holder thereof upon presentation and surrender at the designated corporate trust office of the Paying Agent. Upon initial issuance, the Series 2007 Bonds will be registered in the name of and held by Cede & Co. as nominee for The Depository Trust Company ("DTC"), an automated depository for securities and a clearinghouse for securities transactions. So long as DTC or Cede & Co. is the registered owner of the Series 2007 Bonds, payments of the principal of and interest on the Series 2007 Bonds will be mailed directly to DTC or Cede & Co., which is to remit such payments to the Participants (as defined herein), which in turn are to remit such payments to the Beneficial Owners (as defined herein) of the Series 2007 Bonds. See "DESCRIPTION OF THE SERIES 2007 BONDS - Book-Entry Only System" herein.

The Series 2007 Bonds are subject to optional and mandatory redemption prior to their stated maturities as set forth herein.

The Series 2007 Bonds are being issued to provide funds to (1) acquire, through the County's eminent domain powers, an existing water and wastewater utility system (the "Intercoastal Utility System"), (2) make various capital improvements to the Intercoastal Utility System and the County's existing Ponte Vedra Utility System (the "Existing Ponte Vedra Utility System," and together with the Intercoastal Utility System, the "Combined Ponte Vedra Utility System"), (3) capitalize a portion of the interest on the Series 2007 Bonds and (4) pay certain costs and expenses relating to the issuance of the Series 2007 Bonds, including the premium for a municipal bond insurance policy and the premium for a debt service reserve insurance policy.

The Series 2007 Bonds are issued pursuant to and under the authority of Chapter 125, Part I, Florida Statutes, St. Johns County Ordinance No. 86-89, as amended, and other applicable provisions of law (collectively, the "Act"), and under and pursuant to Resolution No. 2007-360 adopted by the Board of County Commissioners of the County on November 13, 2007, as it may be amended and supplemented from time to time (the "Resolution"). The form of the Resolution is attached hereto as APPENDIX B.

The Series 2007 Bonds are payable on a parity with the County's outstanding Ponte Vedra Utility System Revenue Bonds, Series 2006 (the "Series 2006 Bonds"), solely from and secured by a lien upon and pledge of the Net Revenues and any Connection Charges on deposit in the Current Account, as such terms are defined in the Resolution and described herein, derived from the operation of the Combined Ponte Vedra Utility System (together with other amounts on deposit in certain funds and accounts created under the Resolution, collectively, the "Pledged Funds"), all in the manner and to the extent described in the Resolution and herein. THE COUNTY ALSO OWNS AND OPERATES OTHER UTILITY FACILITIES IN ADDITION TO THE COMBINED PONTE VEDRA UTILITY SYSTEM (COLLECTIVELY, THE "COUNTY UTILITY SYSTEM"). THE SERIES 2007 BONDS ARE NOT SECURED BY OR PAYABLE FROM ANY REVENUES DERIVED FROM THE OPERATION OF SUCH COUNTY UTILITY SYSTEM OR ANY OTHER FUNDS OR ASSETS OF THE COUNTY UTILITY SYSTEM.

This cover page and the inside cover page contain certain information for quick reference only. They are not, and are not intended to be, a summary of this issue. Investors must read the entire Official Statement, including the appendices, to obtain information essential to the making of an informed investment decision.

THE SERIES 2007 BONDS SHALL NOT BE OR CONSTITUTE GENERAL OBLIGATIONS OR INDEBTEDNESS OF THE COUNTY AS "BONDS" WITHIN THE MEANING OF ANY CONSTITUTIONAL OR STATUTORY PROVISION, BUT SHALL BE SPECIAL OBLIGATIONS OF THE COUNTY, PAYABLE SOLELY FROM AND SECURED BY A LIEN UPON AND PLEDGE OF THE PLEDGED FUNDS ON PARITY WITH THE SERIES 2006 BONDS, IN THE MANNER AND TO THE EXTENT PROVIDED IN THE RESOLUTION. NO HOLDER OF ANY SERIES 2007 BOND SHALL EVER HAVE THE RIGHT TO COMPEL THE EXERCISE OF ANY AD VALOREM TAXING POWER TO PAY SUCH SERIES 2007 BOND, OR BE ENTITLED TO PAYMENT OF SUCH SERIES 2007 BOND FROM ANY MONEYS OF THE COUNTY EXCEPT FROM THE PLEDGED FUNDS IN THE MANNER AND TO THE EXTENT PROVIDED IN THE RESOLUTION.

Concurrently with the issuance of the Series 2007 Bonds, a municipal bond insurance policy which unconditionally guarantees the payment of that portion of the principal of and interest on the Series 2007 Bonds which becomes due for payment, but shall be unpaid by reason of nonpayment by the County, will be issued by Financial Security Assurance Inc. See "MUNICIPAL BOND INSURANCE" herein.



The Series 2007 Bonds are offered when, as and if issued and received by the Underwriter, subject to the approval as to legality by Foley & Lardner LLP, Jacksonville, Florida, Bond Counsel. Certain legal matters will be passed on for the County by Edwards Cohen, Jacksonville, Florida, Counsel for the County, and by Nabors, Giblin & Nickerson, P.A., Tampa, Florida, Disclosure Counsel to the County. Public Financial Management, Inc., Orlando, Florida is acting as Financial Advisor to the County. It is expected that the Series 2007 Bonds will be delivered to the Underwriter through the facilities of DTC in New York, New York, on or about December 19, 2007.

RBC CAPITAL MARKETS

Dated: December 6, 2007

Redemption Price and interest thereon), the funds on deposit in such subaccount of the Reserve Account may be transferred to the other related Accounts of the Sinking Fund for the payment of the related Series of Bonds.

In the event the County shall maintain a Reserve Subaccount Insurance Policy or Reserve Subaccount Letter of Credit and moneys in such subaccount, the moneys shall be used prior to making any disbursements under such Reserve Subaccount Insurance Policy or Reserve Subaccount Letter of Credit.

Rate Covenant

In the Resolution, the County has covenanted to fix, establish, maintain and collect such rates, fees and charges for the products, services and facilities of the Combined Ponte Vedra Utility System, and revise the same from time to time, whenever necessary, so as always to provide in each Fiscal Year Net Revenues equal to at least 110% of the Annual Debt Service becoming due in such Fiscal Year; *provided* such Net Revenues shall be adequate at all times to pay in each Fiscal Year at least 100% of (1) the Annual Debt Service becoming due in such Fiscal Year, (2) any amounts required by the terms of the Resolution to be deposited in the subaccounts of the Reserve Account or with any issuer of a Reserve Subaccount Insurance Policy or Reserve Subaccount Letter of Credit in such Fiscal Year to pay Policy Costs, and (3) any amounts required by the Resolution to be deposited in the Renewal and Replacement Fund.

Such rates, fees or other charges shall not be so reduced so as to be insufficient to provide adequate Net Revenues for the purposes provided therefor by the Resolution.

If, in any Fiscal Year, the County shall fail to comply with the rate covenant set forth in the Resolution and described above, it shall cause the Qualified Independent Consultant to review its rates, fees, charges, income, Gross Revenues, Operating Expenses and methods of operation and to make written recommendations as to the methods by which the County may promptly seek to comply with these requirements. The County shall forthwith commence to implement such recommendations to the extent required so as to cause it to thereafter comply with said requirements. So long as the County implements such recommendations within 120 days of the receipt thereof, the County's failure to comply with the rate covenant shall not be considered an Event of Default under the Resolution.

Additional Bonds

No Additional Bonds, payable on parity with the Bonds then Outstanding pursuant to the Resolution, shall be issued except upon the conditions and in the manner therein provided. The County may issue one or more Series of Additional Bonds for any one or more of the following purposes: (i) financing the Cost of a Project, or the completion thereof, or (ii) refunding any or all Outstanding Bonds, any Subordinated Indebtedness of

DEBT SERVICE SCHEDULE

The following table sets forth the annual debt service schedule for the Series 2006 Bonds and the Series 2007 Bonds.

Year Ending October 1	Series 2006 Bonds Debt Service	Series 2007 Bonds		Total Debt Service	Aggregate Debt Service
		Principal	Interest ⁽¹⁾		
2008	\$ 1,836,400.00		\$ 1,114,962.40	\$ 1,114,962.40	\$ 2,951,362.40
2009	1,874,712.50		1,423,356.26	1,423,356.26	3,298,068.76
2010	1,875,962.50		1,423,356.26	1,423,356.26	3,299,318.76
2011	1,877,762.50		1,423,356.26	1,423,356.26	3,301,118.76
2012	2,018,862.50	\$ 250,000	1,423,356.26	1,673,356.26	3,692,218.76
2013	2,015,862.50	450,000	1,415,231.26	1,865,231.26	3,881,093.76
2014	2,018,237.50	730,000	1,400,043.76	2,130,043.76	4,148,281.26
2015	2,019,037.50	755,000	1,370,843.76	2,125,843.76	4,144,881.26
2016	2,014,225.00	790,000	1,340,643.76	2,130,643.76	4,144,868.76
2017	2,015,275.00	820,000	1,309,043.76	2,129,043.76	4,144,318.76
2018	2,015,875.00	860,000	1,268,043.76	2,128,043.76	4,143,918.76
2019	2,015,075.00	895,000	1,233,643.76	2,128,643.76	4,143,718.76
2020	2,017,875.00	930,000	1,197,843.76	2,127,843.76	4,145,718.76
2021	2,019,075.00	965,000	1,160,643.76	2,125,643.76	4,144,718.76
2022	2,017,412.50	1,005,000	1,120,837.50	2,125,837.50	4,143,250.00
2023	2,019,100.00	1,050,000	1,078,125.00	2,128,125.00	4,147,225.00
2024	2,017,562.50	1,095,000	1,033,500.00	2,128,500.00	4,146,062.50
2025	2,014,112.50	1,150,000	978,750.00	2,128,750.00	4,142,862.50
2026	2,018,750.00	1,200,000	928,437.50	2,128,437.50	4,147,187.50
2027	2,016,750.00	1,250,000	875,937.50	2,125,937.50	4,142,687.50
2028	2,016,750.00	1,305,000	821,250.00	2,126,250.00	4,143,000.00
2029	2,018,500.00	1,370,000	756,000.00	2,126,000.00	4,144,500.00
2030	2,016,750.00	1,440,000	687,500.00	2,127,500.00	4,144,250.00
2031	2,016,500.00	1,510,000	615,500.00	2,125,500.00	4,142,000.00
2032	2,017,500.00	1,590,000	540,000.00	2,130,000.00	4,147,500.00
2033	2,014,500.00	1,665,000	460,500.00	2,125,500.00	4,140,000.00
2034	2,017,500.00	1,750,000	377,250.00	2,127,250.00	4,144,750.00
2035	2,016,000.00	1,840,000	289,750.00	2,129,750.00	4,145,750.00
2036		1,930,000	197,750.00	2,127,750.00	2,127,750.00
2037		<u>2,025,000</u>	<u>101,250.00</u>	<u>2,126,250.00</u>	<u>2,126,250.00</u>
Total	<u>\$55,871,925.00</u>	<u>\$30,620,000</u>	<u>\$29,366,706.28</u>	<u>\$59,986,706.28</u>	<u>\$115,858,631.28</u>

(1) An amount of proceeds of the Series 2007 Bonds equal to \$1,772,618.20 will be deposited to the Interest Account to pay interest on the Series 2007 Bonds through April 1, 2009.

**ST. JOHNS COUNTY, FLORIDA
COMPREHENSIVE ANNUAL
FINANCIAL REPORT
FOR THE FISCAL YEAR ENDED
SEPTEMBER 30, 2010**

**Prepared by:
CLERK OF COURTS
FINANCE DEPARTMENT**

**Cheryl Strickland
Clerk of Court**

**Richard A. MacDonald, Jr.
Finance Director**

ST. JOHNS COUNTY, FLORIDA
STATEMENT OF CASH FLOWS - PROPRIETARY FUNDS
FOR THE YEAR ENDED SEPTEMBER 30, 2010

	<u>Business-type Activities - Enterprise Funds</u>		
	<u>St. Johns County Utilities</u>	<u>Ponte Vedra Utilities</u>	<u>Sebe Waste</u>
CASH FLOWS FROM OPERATING ACTIVITIES			
Receipts from customers	\$ 21,480,196	\$ 9,333,029	\$ 18,068,954
Payments to suppliers	(7,140,264)	(3,795,806)	(14,977,811)
Payments to employees	(6,412,880)	(1,708,239)	(841,428)
Net cash provided by (used in) operating activities	<u>7,927,052</u>	<u>3,841,284</u>	<u>2,248,017</u>
NONCAPITAL FINANCING ACTIVITIES:			
Transfer in			90,874
Grants received			528,039
Franchise taxes			590,813
Net cash provided by noncapital financing activities	<u>-</u>	<u>-</u>	<u>1,109,726</u>
CAPITAL AND RELATED FINANCING ACTIVITIES:			
Acquisition and construction of capital assets	(8,389,411)	(1,087,493)	(59,494)
Sale of capital assets	7,186	1,520	13,443
Principal payments on revenue bonds	(4,870,000)	(620,000)	(1,835,000)
Principal payments on State Revolving Loan	(102,166)		
Principal payments on long-term lease	(588,226)		
Interest paid on revenue bonds, loans and lease obligations	(2,931,418)	(2,779,318)	(144,584)
Capital contributed by developers	1,695,808	68,747	
Net cash used in capital and related financing activities	<u>(15,176,419)</u>	<u>(4,308,844)</u>	<u>(2,026,615)</u>
INVESTING ACTIVITIES:			
Investment purchases	(14,930,165)	(5,551,807)	(12,821,165)
Proceeds from sale of investments	17,828,787	4,443,212	10,121,324
Investment income received	2,006,816	108,433	286,828
Net cash provided (used) in investing activities	<u>4,905,438</u>	<u>(1,000,162)</u>	<u>(2,407,013)</u>
NET DECREASE IN CASH AND CASH EQUIVALENTS	<u>(2,363,917)</u>	<u>(1,468,422)</u>	<u>(1,618,499)</u>
CASH AND CASH EQUIVALENTS, BEGINNING OF YEAR	<u>2,713,100</u>	<u>1,510,772</u>	<u>1,645,784</u>
CASH AND CASH EQUIVALENTS, END OF YEAR	<u>\$ 349,183</u>	<u>\$ 42,350</u>	<u>\$ 27,285</u>
NON-CASH CAPITAL AND RELATED FINANCING ACTIVITIES:			
Accretion of interest on capital appreciation bonds	2,913,048		
Change in fair value of investments	692,088	39,879	107,179
Capital assets contributed by developers	342,336	72,000	
Reconciliation of operating income (loss) to net cash provided by operating activities:			
Operating income (loss)	\$ 34,043	\$ 3,558,962	\$ 1,488,571
Adjustments to reconcile operating income (loss) to cash provided by operating activities:			
Depreciation	8,634,169	707,481	830,412
Amortization of bond issuance cost	352,294	81,436	14,141
Change in accounts receivable	(51,185)	(160,462)	16,387
Change in notes receivable	(45,833)	(973)	
Change in due from other funds			
Change in due from other governments	(1,782,900)		
Change in inventory	30,912		
Change in accounts payable and accrued liabilities	841,146	(368,988)	794,003
Change in customer deposits	808	30,750	800
Change in estimated liability for self insured losses			
Change in due to other funds	2,294	827	817
Change in due to other governments	(14,083)	3,263	
Change in accrued landfill closure and post-closure costs			
Change in accrued compensated absences	11,090	19,289	591
Change in arbitrage liability	(105,661)		(1,218)
Change in other liabilities			
Net cash provided by (used in) operating activities	<u>\$ 7,927,052</u>	<u>\$ 3,841,284</u>	<u>\$ 2,248,017</u>

(continued)

The accompanying notes are an integral part of the financial statements.

ST. JOHNS COUNTY, FLORIDA
 NOTES TO THE FINANCIAL STATEMENTS
 FOR THE YEAR ENDED SEPTEMBER 30, 2010

6. LONG-TERM OBLIGATIONS (continued)

BUSINESS-TYPE ACTIVITIES

	Balance October 1, 2009	Additions	Deductions	Balance September 30, 2010	Due within one year
Water and sewer revenue bonds					
Series 2007, Ponte Vedra	\$ 30,620,000			\$ 30,620,000	
Series 2006, Ponte Vedra	29,570,000		520,000	29,050,000	540,000
Series 2006	42,495,000		725,000	41,770,000	755,000
Series 2004	24,716,380		575,000	24,141,380	575,000
Series 1999	4,575,000		2,240,000	2,335,000	2,335,000
Series 1998	1,455,000		90,000	1,365,000	100,000
Series 1996	2,555,000		1,240,000	1,315,000	1,315,000
Series 1991	6,450,398			6,450,398	
2006 Solid Waste Disposal Revenue Long-Term Note	3,510,000		1,835,000	1,675,000	240,000
Revenue sharing revenue and refunding revenue bonds, Series 2005	1,420,000		30,000	1,390,000	35,000
2004 Golf Breeze, Florida Local Government Loan Program	14,235,000		955,000	13,280,000	980,000
Total Bonds	161,601,778	-	8,210,000	153,391,778	6,875,000
Add accreted interest on capital appreciation bonds					
Series 1991A	16,075,736	1,610,419		17,686,155	
Series 2004	6,171,476	1,302,627		7,474,103	
Plus original issue premium	2,379,490		88,977	2,290,513	
Less unrecognized loss on refunding					
Utilities	402,845		235,541	167,304	
Convention Center	2,356,024		224,384	2,131,640	
Golf Course	44,852		1,759	43,093	
Less original issue discount	203,857		38,033	165,824	
Total Revenue Bonds	183,220,902	2,913,046	7,799,260	178,334,688	6,875,000
Obligations under State Revolving Loan	834,356		102,166	732,190	104,829
Obligations under capital lease	6,028,472		649,074	5,379,398	661,399
Landfill closure/post closure	5,940,276		394,887	5,545,389	
Arbitrage Rebate	142,561		106,899	35,662	
Accrued compensated absences	734,543	606,160	567,750	772,953	167,893
Total Proprietary Fund Long-Term Obligations	\$ 196,901,110	\$ 3,519,206	\$ 9,620,036	\$ 190,800,280	\$ 7,809,121

**ST. JOHNS COUNTY, FLORIDA
COMPREHENSIVE ANNUAL
FINANCIAL REPORT
FOR THE FISCAL YEAR ENDED
SEPTEMBER 30, 2011**

**Prepared by:
CLERK OF COURTS
FINANCE DEPARTMENT**

**Cheryl Strickland
Clerk of Court**

**Richard A. MacDonald, Jr.
Finance Director**

ST. JOHNS COUNTY, FLORIDA
STATEMENT OF CASH FLOWS - PROPRIETARY FUNDS
FOR THE YEAR ENDED SEPTEMBER 30, 2011

<u>Business-type Activities - Enterprise Funds</u>			
	St. Johns County Utilities	Ponte Vedra Utilities	Solid Waste
CASH FLOWS FROM OPERATING ACTIVITIES			
Receipts from customers	\$ 26,050,373	\$ 10,880,804	\$ 17,918,484
Payments to suppliers	(8,583,372)	(3,611,651)	(16,297,852)
Payments to employees	(6,388,803)	(1,876,908)	(948,559)
Net cash provided by operating activities	<u>11,067,098</u>	<u>5,372,045</u>	<u>672,253</u>
NONCAPITAL FINANCING ACTIVITIES:			
Transfer in			472,157
Franchise taxes			472,157
Net cash provided by noncapital financing activities			<u>472,157</u>
CAPITAL AND RELATED FINANCING ACTIVITIES:			
Acquisition and construction of capital assets	(7,231,466)	(874,418)	(38,608)
Sale of capital assets	15,485		7,198
Principal payments on revenue bonds	(5,080,000)	(540,000)	(1,875,000)
Principal payments on State Revolving Loan	(104,828)		
Principal payments on long-term lease	(628,562)		
Interest paid on revenue bonds, loans and lease obligations	(2,701,228)	(2,761,118)	(68,982)
Impact and developer fees	1,856,931	133,884	
Net cash used in capital and related financing activities	<u>(13,674,657)</u>	<u>(4,041,672)</u>	<u>(1,773,384)</u>
INVESTING ACTIVITIES:			
Investment purchases	(23,009,976)	(8,487,095)	(12,767,744)
Proceeds from sale of investments	25,493,289	8,066,806	13,327,229
Investment income received	645,400	29,025	94,806
Net cash provided (used) in investing activities	<u>3,326,713</u>	<u>(391,264)</u>	<u>654,290</u>
NET INCREASE IN CASH AND CASH EQUIVALENTS	<u>522,154</u>	<u>938,808</u>	<u>35,306</u>
CASH AND CASH EQUIVALENTS, BEGINNING OF YEAR	<u>348,186</u>	<u>42,350</u>	<u>27,286</u>
CASH AND CASH EQUIVALENTS, END OF YEAR	<u>\$ 871,340</u>	<u>\$ 981,259</u>	<u>\$ 62,591</u>
NON-CASH CAPITAL AND RELATED FINANCING ACTIVITIES:			
Accretion of interest on capital appreciation bonds	3,089,778		
Change in fair value of investments	86,278	8,787	18,852
Capital assets contributed by developers	2,419,638	42,000	
Reconciliation of operating income (loss) to net cash provided by operating activities:			
Operating income (loss)	\$ 915,308	\$ 4,355,961	\$ 491,656
Adjustments to reconcile operating income (loss) to cash provided by operating activities:			
Depreciation	8,656,249	888,445	327,563
Amortization of bond issuance cost	255,008	81,437	10,100
Change in accounts receivable	(83,582)	135,362	18,297
Change in notes receivable	116,062	(35,980)	
Change in due from other funds			(1,908)
Change in due from other governments	1,288,554		
Change in inventory	(74,316)		
Change in accounts payable and accrued liabilities	6,916	(28,402)	(123,019)
Change in customer deposits	43,678	(8,830)	650
Change in estimated liability for self insured losses			
Change in due to other funds	(30,870)	(9,278)	(5,117)
Change in due to other governments	(1,745)	(4,635)	
Change in accrued landfill closure and post-closure costs			(773)
Change in accrued compensated absences	(26,165)	(4,027)	(10,556)
Change in arbitrage liability			(35,662)
Change in other liabilities			
Net cash provided by operating activities	<u>\$ 11,067,098</u>	<u>\$ 5,372,045</u>	<u>\$ 672,253</u>

(continued)

The accompanying notes are an integral part of the financial statements.

ST. JOHNS COUNTY, FLORIDA
 NOTES TO THE FINANCIAL STATEMENTS
 FOR THE YEAR ENDED SEPTEMBER 30, 2011

6. LONG-TERM OBLIGATIONS (continued)

	Balance October 1, 2010	Additions	Deductions	Balance September 30, 2011	Due within one year
Water and sewer revenue bonds					
Series 2007, Ponte Vedra	\$ 30,620,000			\$ 30,620,000	250,000
Series 2006, Ponte Vedra	29,050,000		540,000	28,510,000	700,000
Series 2006	41,770,000		755,000	41,015,000	1,070,000
Series 2004	24,141,380		575,000	23,566,380	510,000
Series 1999	2,335,000		2,335,000	-	-
Series 1998	1,365,000		100,000	1,265,000	105,000
Series 1996	1,315,000		1,315,000	-	-
Series 1991	6,450,398			6,450,398	868,006
2006 Solid Waste Disposal Revenue Long-Term Note	1,675,000		1,675,000	-	-
Revenue sharing revenue and refunding revenue bonds, Series 2005	1,390,000		35,000	1,355,000	35,000
2004 Golf Breeze, Florida Local Government Loan Program	13,280,000		980,000	12,300,000	1,015,000
Total Bonds	153,391,778	-	8,310,000	145,081,778	4,553,006
Add accreted interest on capital appreciation bonds					
Series 1991A	17,686,155	1,725,584		19,411,739	
Series 2004	7,474,103	1,374,193		8,848,296	
Plus original issue premium	2,290,513		88,978	2,201,535	
Less unrecognized loss on refunding					
Utilities	167,304		164,840	2,464	
Convention Center	2,131,640		224,383	1,907,257	
Golf Course	43,093		1,759	41,334	
Less original issue discount	165,824		21,177	144,647	
Total Revenue Bonds	178,334,688	3,099,777	7,986,819	173,447,646	4,553,006
Obligations under State Revolving Loan	732,190		104,829	627,361	107,562
Obligations under capital lease	5,379,398		661,399	4,717,999	673,013
Landfill closure/post closure	5,545,389		773	5,544,616	
Arbitrage Rebate	35,662		35,662		
Accrued compensated absences	772,953	655,099	714,582	713,470	197,218
Total Proprietary Fund Long-Term Obligations	\$ 190,800,280	\$ 3,754,876	\$ 9,504,064	\$ 185,051,092	\$ 5,530,799

ATTACHMENT #4

ELIMINATION OF NON-OPERATING REVENUES AND NON-CASH/NON-OPERATING EXPENSES – TABLE #2

Attachment #4 - Elimination of Non-Operating Revenues and Non-Cash/Non-Operating Expenses - Table #2:
St. Johns County - Ponte Vedra
Water and Wastewater Non-Operating Revenue Fiscal Years 2012 - 2013^a

Water & Wastewater System	Actual	Budget
	FY 2012^a	FY 2013^a
Contributions	\$0	\$0
Surplus Property Sales	-	-
State Revolving Loan	-	(4,000,000)
Carry Forward	-	(9,302,330)
Total Elimination of Revenues	\$0	(\$13,302,330)

^a Fiscal year 2010 and 2011 are per the year-end audited amount. Fiscal year 2012 is per the 9/30/12 actual amounts. FY 2013 is per the budget amounts.

Water and Wastewater Non-Operating and Non-Cash Expenses Fiscal Years 2010 - 2013^a

Water & Wastewater System	Actual	Budget
	FY 2012^a	FY 2013^a
Principal Expense	\$0	\$0
Interest Expense	-	-
Depreciation	-	(888,445)
Amortization	-	(82,000)
Deposit Interest	-	-
System Improvements	-	(4,000,000)
Reserve	-	(2,400,000)
Capital Reserve	-	(828,676)
Bad Debt	-	(40,334)
Total Elimination of Expenses	\$0	(\$8,239,455)

^a Fiscal year 2012 is per the 9/30/12 actual amounts. FY 2013 is per the budget amounts.

ATTACHMENT #4
ADJUSTMENTS TO CAFR – NON-CASH AND NON-OPERATING EXPENSES AND REVENUES
FY 2013 BUDGET

Year	Title	Budget Orgn	Account	Account Title	Budget
13	PONTE VEDRA UTILITY	4450	34361	WATER SALES	\$ 6,524,000.00
13	PONTE VEDRA UTILITY	4450	34362	SERVICE FEES	\$ 120,000.00
13	PONTE VEDRA UTILITY	4450	34363	COMBINED WTR/SWR SALES	\$ -
13	PONTE VEDRA UTILITY	4450	34365	METER INSTALLATIONS	\$ 8,000.00
13	PONTE VEDRA UTILITY	4450	34366	WATER UNIT CONNECTION FEE	\$ 18,786.00
13	PONTE VEDRA UTILITY	4450	34367	SEWER FEES	\$ 4,122,100.00
13	PONTE VEDRA UTILITY	4450	34369	SEWER UNIT CONNECTION FEE	\$ 29,410.00
13	PONTE VEDRA UTILITY	4450	34378	OIL & GREASE REVENUE	\$ 11,250.00
13	PONTE VEDRA UTILITY	4450	34753	CASH SHORT & OVER	\$ -
13	PONTE VEDRA UTILITY	4450	34901	FILING/APPLICATION FEES	\$ -
13	PONTE VEDRA UTILITY	4450	34907	SALES TAX COMMISSION	\$ -
13	PONTE VEDRA UTILITY	4450	35901	RETURNED CHECK-SVC CHARGE	\$ 1,800.00
13	PONTE VEDRA UTILITY	4450	36102	INTEREST EARNINGS-SBA	\$ 2,500.00
13	PONTE VEDRA UTILITY	4450	36116	INTEREST EARNINGS-UNIT CO	\$ 1,000.00
13	PONTE VEDRA UTILITY	4450	36121	INTEREST-SURPLUS FUNDS	\$ 25,000.00
13	PONTE VEDRA UTILITY	4450	36122	INTEREST-MONEY MRKT	\$ -
13	PONTE VEDRA UTILITY	4450	36124	INTEREST - SHORT TERM	\$ 10,000.00
13	PONTE VEDRA UTILITY	4450	36125	INTEREST SUNTRUST MM	\$ -
13	PONTE VEDRA UTILITY	4450	36130	NET INCR IN FV OF INVSTMT	\$ -
13	PONTE VEDRA UTILITY	4450	36401	SURPLUS PROP SALE (TXBLE)	\$ -
13	PONTE VEDRA UTILITY	4450	36402	INSURANCE PROCEEDS	\$ -
13	PONTE VEDRA UTILITY	4450	36603	CONTRIBUTIONS	\$ -
13	PONTE VEDRA UTILITY	4450	36901	REFUND PY EXPENDITURES	\$ -
13	PONTE VEDRA UTILITY	4450	36904	MISCELLANEOUS REVENUE	\$ -
13	PONTE VEDRA UTILITY	4450	38401	BOND PROCEEDS	\$ -
13	PONTE VEDRA UTILITY	4450	38402	BOND PREMIUM PROCEEDS	\$ -
13	PONTE VEDRA UTILITY	4450	38403	STATE REVOLVING LOAN PROC	\$ 4,000,000.00
13	PONTE VEDRA UTILITY	4450	38405	NOTE PROCEEDS	\$ -
13	PONTE VEDRA UTILITY	4450	38999	CARRYFORWARD	\$ 9,302,330.00

Year	Title	BUDGET ORGN	Account	Account Title	Budget
13	2006 DEBT SERVICE	4451	57100	PRINCIPAL	725000
13	2006 DEBT SERVICE	4451	57200	INTEREST	1290863
13	2006 DEBT SERVICE	4451	57301	COST OF ISSUANCE	0
13	2007 DEBT SERVICE	4452	57100	PRINCIPAL	450000
13	2007 DEBT SERVICE	4452	57200	INTEREST	1415232
13	2007 DEBT SERVICE	4452	57301	COST OF ISSUANCE	0
13	FY11 TRANE LEASE DEBT SVC	4453	57100	PRINCIPAL	161651
13	FY11 TRANE LEASE DEBT SVC	4453	57200	INTEREST	124627
13	FY11 TRANE LEASE DEBT SVC	4453	57301	COST OF ISSUANCE	0
13	SERIES'06 CAPTL PROJS	4455	52900	VEHICLE/LABOR CREDITS	0
13	SERIES'06 CAPTL PROJS	4455	53150	CONSULTING SERVICES	0
13	SERIES'06 CAPTL PROJS	4455	53180	ENGINEERING SERVICES	0
13	SERIES'06 CAPTL PROJS	4455	56100	LAND	0
13	SERIES'06 CAPTL PROJS	4455	56301	IMPROVEMENTS O/T BUILDING	0
13	SERIES'06 CAPTL PROJS	4455	56302	SYSTEM IMPROVEMENTS	0
13	SERIES'06 CAPTL PROJS	4455	56400	EQUIPMENT	0
13	SERIES'07 CAPTL PROJS	4456	53150	CONSULTING SERVICES	0
13	SERIES'07 CAPTL PROJS	4456	53180	ENGINEERING SERVICES	0
13	SERIES'07 CAPTL PROJS	4456	54603	OTHER MAINTENANCE	0
13	SERIES'07 CAPTL PROJS	4456	55200	OPERATING SUPPLIES	0
13	SERIES'07 CAPTL PROJS	4456	56170	PERMITS/LICENSES	0
13	SERIES'07 CAPTL PROJS	4456	56301	IMPROVEMENTS O/T BUILDING	0
13	SERIES'07 CAPTL PROJS	4456	56302	SYSTEM IMPROVEMENTS	0
13	SERIES'07 CAPTL PROJS	4456	56400	EQUIPMENT	0
13	SERIES'07 CAPTL PROJS	4456	56403	COMPUTER EQUIPMENT	0
13	R AND R CAPITAL PROJECTS	4457	56302	SYSTEM IMPROVEMENTS	1564569
13	UNRSTRCTD RES CAPTL PROJS	4459	53150	CONSULTING SERVICES	34032
13	UNRSTRCTD RES CAPTL PROJS	4459	53180	ENGINEERING SERVICES	450000
13	UNRSTRCTD RES CAPTL PROJS	4459	56170	PERMITS/LICENSES	13712
13	UNRSTRCTD RES CAPTL PROJS	4459	56302	SYSTEM IMPROVEMENTS	3673525
13	UNRSTRCTD RES CAPTL PROJS	4459	56405	TELEMETRY SYSTEM	0
13	SRL CAPTL PROJS	4461	56302	SYSTEM IMPROVEMENTS	4000000
13	ADMINISTRATION	4470	51200	REGULAR SALARIES & WAGES	305794
13	ADMINISTRATION	4470	51300	OTHER SALARIES	0
13	ADMINISTRATION	4470	51400	OVERTIME EMPLOYEES	3950
13	ADMINISTRATION	4470	52100	FICA/MEDICARE TAXES	23695
13	ADMINISTRATION	4470	52200	RETIREMENT CONTRIBUTIONS	17222
13	ADMINISTRATION	4470	52202	OPEB CONTRIBUTIONS	8256
13	ADMINISTRATION	4470	52300	LIFE & HEALTH INSURANCE	80550
13	ADMINISTRATION	4470	52400	WORKMENS COMPENSATION	1419
13	ADMINISTRATION	4470	52500	UNEMPLOYMENT COMPENSATION	0
13	ADMINISTRATION	4470	52900	VEHICLE/LABOR CREDITS	0
13	ADMINISTRATION	4470	53100	PROFESSIONAL FEES	35000
13	ADMINISTRATION	4470	53115	DEPOSIT INTEREST EXPENSE	550
13	ADMINISTRATION	4470	53120	CONTRACTUAL SERVICES	94720
13	ADMINISTRATION	4470	53150	CONSULTING SERVICES	0

440,886

172,270

13 ADMINISTRATION	4470	53180 ENGINEERING SERVICES	0
13 ADMINISTRATION	4470	53200 AUDITING SERVICES	0
13 ADMINISTRATION	4470	53201 SERVICE CHARGES	42000
13 ADMINISTRATION	4470	53401 INDIRECT ADMIN COSTS	← 327335
13 ADMINISTRATION	4470	53402 INDIRECT UTIL ADMIN OVRST	← 712089
13 ADMINISTRATION	4470	54000 TRAVEL AND PER DIEM	0
13 ADMINISTRATION	4470	54100 COMMUNICATIONS	3840
13 ADMINISTRATION	4470	54300 UTILITIES	0
13 ADMINISTRATION	4470	54400 LEASE/RENTAL OF EQUIPMENT	1440
13 ADMINISTRATION	4470	54401 LEASE/RENTAL OF BUILDING	0
13 ADMINISTRATION	4470	54500 INSURANCE	← 8316
13 ADMINISTRATION	4470	54600 BUILDING MAINTENANCE	500
13 ADMINISTRATION	4470	54601 EQUIPMENT MAINTENANCE	2500
13 ADMINISTRATION	4470	54602 VEHICLE MAINTENANCE	6900
13 ADMINISTRATION	4470	54603 OTHER MAINTENANCE	0
13 ADMINISTRATION	4470	55100 OFFICE SUPPLIES	← 2750
13 ADMINISTRATION	4470	55102 SOFTWARE	0
13 ADMINISTRATION	4470	55200 OPERATING SUPPLIES	15000
13 ADMINISTRATION	4470	55201 GAS, OIL, AND LUBRICANTS	17263
13 ADMINISTRATION	4470	55202 TOOLS & SMALL IMPLEMENTS	500
13 ADMINISTRATION	4470	55401 TRAINING	500
13 ADMINISTRATION	4470	55405 DUES AND MEMBERSHIPS	5930 150
13 ADMINISTRATION	4470	56300 BUILDING IMPROVEMENTS	0
13 ADMINISTRATION	4470	56301 IMPROVEMENTS O/T BUILDING	53722
13 ADMINISTRATION	4470	56302 SYSTEM IMPROVEMENTS	0
13 ADMINISTRATION	4470	56400 EQUIPMENT	32500
13 ADMINISTRATION	4470	56403 COMPUTER EQUIPMENT	0
13 ADMINISTRATION	4470	59904 ASSET DISPOSITION	0
13 WATER TREATMENT	4471	51200 REGULAR SALARIES & WAGES	163430
13 WATER TREATMENT	4471	51400 OVERTIME EMPLOYEES	10080
13 WATER TREATMENT	4471	51500 SPECIAL PAY	0
13 WATER TREATMENT	4471	52100 FICA/MEDICARE TAXES	13274
13 WATER TREATMENT	4471	52200 RETIREMENT CONTRIBUTIONS	9647
13 WATER TREATMENT	4471	52202 OPEB CONTRIBUTIONS	4128
13 WATER TREATMENT	4471	52300 LIFE & HEALTH INSURANCE	26850
13 WATER TREATMENT	4471	52400 WORKMENS COMPENSATION	2460
13 WATER TREATMENT	4471	52900 VEHICLE/LABOR CREDITS	0
13 WATER TREATMENT	4471	53100 PROFESSIONAL FEES	13000
13 WATER TREATMENT	4471	53120 CONTRACTUAL SERVICES	13500
13 WATER TREATMENT	4471	53400 REFUSE	800
13 WATER TREATMENT	4471	53401 INDIRECT ADMIN COSTS	0
13 WATER TREATMENT	4471	53402 INDIRECT UTIL ADMIN OVRST	0
13 WATER TREATMENT	4471	54000 TRAVEL AND PER DIEM	0
13 WATER TREATMENT	4471	54100 COMMUNICATIONS	3000
13 WATER TREATMENT	4471	54300 UTILITIES	← 336375
13 WATER TREATMENT	4471	54400 LEASE/RENTAL OF EQUIPMENT	576
13 WATER TREATMENT	4471	54500 INSURANCE	5310

13 WATER TREATMENT	4471	54600 BUILDING MAINTENANCE	6500
13 WATER TREATMENT	4471	54601 EQUIPMENT MAINTENANCE	0
13 WATER TREATMENT	4471	54602 VEHICLE MAINTENANCE	1500
13 WATER TREATMENT	4471	54603 OTHER MAINTENANCE	76800
13 WATER TREATMENT	4471	54900 ADVERTISING	0
13 WATER TREATMENT	4471	55100 OFFICE SUPPLIES	1000
13 WATER TREATMENT	4471	55200 OPERATING SUPPLIES	93311
13 WATER TREATMENT	4471	55201 GAS, OIL, AND LUBRICANTS	14091
13 WATER TREATMENT	4471	55202 TOOLS & SMALL IMPLEMENTS	500
13 WATER TREATMENT	4471	55401 TRAINING	700
13 WATER TREATMENT	4471	55405 DUES AND MEMBERSHIPS	400
13 WATER TREATMENT	4471	56302 SYSTEM IMPROVEMENTS	0
13 WATER TREATMENT	4471	56400 EQUIPMENT	16190
13 WATER TREATMENT	4471	56403 COMPUTER EQUIPMENT	1000
13 WTR/SWR TRAN & DIST LINES	4472	51200 REGULAR SALARIES & WAGES	152486
13 WTR/SWR TRAN & DIST LINES	4472	51400 OVERTIME EMPLOYEES	13000
13 WTR/SWR TRAN & DIST LINES	4472	51501 ON CALL PAY	2600
13 WTR/SWR TRAN & DIST LINES	4472	52100 FICA/MEDICARE TAXES	12859
13 WTR/SWR TRAN & DIST LINES	4472	52200 RETIREMENT CONTRIBUTIONS	9346
13 WTR/SWR TRAN & DIST LINES	4472	52202 OPEB CONTRIBUTIONS	5160
13 WTR/SWR TRAN & DIST LINES	4472	52300 LIFE & HEALTH INSURANCE	44742
13 WTR/SWR TRAN & DIST LINES	4472	52400 WORKMENS COMPENSATION	2300
13 WTR/SWR TRAN & DIST LINES	4472	52900 VEHICLE/LABOR CREDITS	0
13 WTR/SWR TRAN & DIST LINES	4472	53100 PROFESSIONAL FEES	0
13 WTR/SWR TRAN & DIST LINES	4472	53120 CONTRACTUAL SERVICES	1300
13 WTR/SWR TRAN & DIST LINES	4472	53400 REFUSE	0
13 WTR/SWR TRAN & DIST LINES	4472	54000 TRAVEL AND PER DIEM	1960
13 WTR/SWR TRAN & DIST LINES	4472	54100 COMMUNICATIONS	1920
13 WTR/SWR TRAN & DIST LINES	4472	54300 UTILITIES	0
13 WTR/SWR TRAN & DIST LINES	4472	54400 LEASE/RENTAL OF EQUIPMENT	0
13 WTR/SWR TRAN & DIST LINES	4472	54500 INSURANCE	9513
13 WTR/SWR TRAN & DIST LINES	4472	54600 BUILDING MAINTENANCE	250
13 WTR/SWR TRAN & DIST LINES	4472	54601 EQUIPMENT MAINTENANCE	900
13 WTR/SWR TRAN & DIST LINES	4472	54602 VEHICLE MAINTENANCE	22000
13 WTR/SWR TRAN & DIST LINES	4472	54603 OTHER MAINTENANCE	84000
13 WTR/SWR TRAN & DIST LINES	4472	55100 OFFICE SUPPLIES	200
13 WTR/SWR TRAN & DIST LINES	4472	55200 OPERATING SUPPLIES	93955
13 WTR/SWR TRAN & DIST LINES	4472	55201 GAS, OIL, AND LUBRICANTS	31820
13 WTR/SWR TRAN & DIST LINES	4472	55202 TOOLS & SMALL IMPLEMENTS	2500
13 WTR/SWR TRAN & DIST LINES	4472	55401 TRAINING	750
13 WTR/SWR TRAN & DIST LINES	4472	55405 DUES AND MEMBERSHIPS	275
13 WTR/SWR TRAN & DIST LINES	4472	56302 SYSTEM IMPROVEMENTS	75000
13 WTR/SWR TRAN & DIST LINES	4472	56400 EQUIPMENT	61400
13 WTR/SWR TRAN & DIST LINES	4472	56403 COMPUTER EQUIPMENT	0
13 SWR TRTMNT & DISPOSAL	4473	51200 REGULAR SALARIES & WAGES	401456
13 SWR TRTMNT & DISPOSAL	4473	51400 OVERTIME EMPLOYEES	28210
13 SWR TRTMNT & DISPOSAL	4473	51500 SPECIAL PAY	5750

84,800

15,501

9,986

17,190

16,000

74,407

1,300

107,150

34,500

14,418

136,400

435,416

13 SWR TRTMNT & DISPOSAL	4473	52100 FICA/MEDICARE TAXES	33309
13 SWR TRTMNT & DISPOSAL	4473	52200 RETIREMENT CONTRIBUTIONS	24209
13 SWR TRTMNT & DISPOSAL	4473	52202 OPEB CONTRIBUTIONS	12384
13 SWR TRTMNT & DISPOSAL	4473	52300 LIFE & HEALTH INSURANCE	107352
13 SWR TRTMNT & DISPOSAL	4473	52400 WORKMENS COMPENSATION	4513
13 SWR TRTMNT & DISPOSAL	4473	52900 VEHICLE/LABOR CREDITS	0
13 SWR TRTMNT & DISPOSAL	4473	53100 PROFESSIONAL FEES	31839
13 SWR TRTMNT & DISPOSAL	4473	53120 CONTRACTUAL SERVICES	264930
13 SWR TRTMNT & DISPOSAL	4473	53400 REFUSE	6000
13 SWR TRTMNT & DISPOSAL	4473	54000 TRAVEL AND PER DIEM	0
13 SWR TRTMNT & DISPOSAL	4473	54100 COMMUNICATIONS	9720
13 SWR TRTMNT & DISPOSAL	4473	54300 UTILITIES	525780
13 SWR TRTMNT & DISPOSAL	4473	54400 LEASE/RENTAL OF EQUIPMENT	826
13 SWR TRTMNT & DISPOSAL	4473	54500 INSURANCE	11641
13 SWR TRTMNT & DISPOSAL	4473	54600 BUILDING MAINTENANCE	6500
13 SWR TRTMNT & DISPOSAL	4473	54601 EQUIPMENT MAINTENANCE	500
13 SWR TRTMNT & DISPOSAL	4473	54602 VEHICLE MAINTENANCE	935
13 SWR TRTMNT & DISPOSAL	4473	54603 OTHER MAINTENANCE	71950
13 SWR TRTMNT & DISPOSAL	4473	54900 ADVERTISING	700
13 SWR TRTMNT & DISPOSAL	4473	55100 OFFICE SUPPLIES	1500
13 SWR TRTMNT & DISPOSAL	4473	55200 OPERATING SUPPLIES	147270
13 SWR TRTMNT & DISPOSAL	4473	55201 GAS, OIL, AND LUBRICANTS	15797
13 SWR TRTMNT & DISPOSAL	4473	55202 TOOLS & SMALL IMPLEMENTS	500
13 SWR TRTMNT & DISPOSAL	4473	55401 TRAINING	700
13 SWR TRTMNT & DISPOSAL	4473	55405 DUES AND MEMBERSHIPS	530
13 SWR TRTMNT & DISPOSAL	4473	56302 SYSTEM IMPROVEMENTS	0
13 SWR TRTMNT & DISPOSAL	4473	56400 EQUIPMENT	0
13 SWR TRTMNT & DISPOSAL	4473	56403 COMPUTER EQUIPMENT	4000
13 SWR TRTMNT & DISPOSAL	4473	59923 CONTINGENCY RESERVE	0
13 SWR LIFT STATIONS	4474	51200 REGULAR SALARIES & WAGES	113343
13 SWR LIFT STATIONS	4474	51400 OVERTIME EMPLOYEES	8450
13 SWR LIFT STATIONS	4474	51501 ON CALL PAY	2600
13 SWR LIFT STATIONS	4474	52100 FICA/MEDICARE TAXES	9516
13 SWR LIFT STATIONS	4474	52200 RETIREMENT CONTRIBUTIONS	6916
13 SWR LIFT STATIONS	4474	52202 OPEB CONTRIBUTIONS	4128
13 SWR LIFT STATIONS	4474	52300 LIFE & HEALTH INSURANCE	35736
13 SWR LIFT STATIONS	4474	52400 WORKMENS COMPENSATION	1465
13 SWR LIFT STATIONS	4474	52900 VEHICLE/LABOR CREDITS	0
13 SWR LIFT STATIONS	4474	53120 CONTRACTUAL SERVICES	15300
13 SWR LIFT STATIONS	4474	54000 TRAVEL AND PER DIEM	0
13 SWR LIFT STATIONS	4474	54100 COMMUNICATIONS	2160
13 SWR LIFT STATIONS	4474	54300 UTILITIES	101109
13 SWR LIFT STATIONS	4474	54400 LEASE/RENTAL OF EQUIPMENT	1000
13 SWR LIFT STATIONS	4474	54500 INSURANCE	3932
13 SWR LIFT STATIONS	4474	54600 BUILDING MAINTENANCE	0
13 SWR LIFT STATIONS	4474	54601 EQUIPMENT MAINTENANCE	750
13 SWR LIFT STATIONS	4474	54602 VEHICLE MAINTENANCE	8270

181,767

302,764

19,885

17,717

24,119

4600

124,303

57,761

84,020

13 SWR LIFT STATIONS	4474	54603 OTHER MAINTENANCE	75000
13 SWR LIFT STATIONS	4474	55100 OFFICE SUPPLIES	400
13 SWR LIFT STATIONS	4474	55200 OPERATING SUPPLIES	← 6800
13 SWR LIFT STATIONS	4474	55201 GAS, OIL, AND LUBRICANTS	30000
13 SWR LIFT STATIONS	4474	55202 TOOLS & SMALL IMPLEMENTS	31,150 750
13 SWR LIFT STATIONS	4474	55401 TRAINING	500
13 SWR LIFT STATIONS	4474	55405 DUES AND MEMBERSHIPS	7692 100
13 SWR LIFT STATIONS	4474	56302 SYSTEM IMPROVEMENTS	0
13 SWR LIFT STATIONS	4474	56400 EQUIPMENT	1500 1500
13 SWR LIFT STATIONS	4474	56403 COMPUTER EQUIPMENT	0
13 SCADA	4475	53120 CONTRACTUAL SERVICES	← 33250
13 SCADA	4475	54500 INSURANCE	← 880
13 SCADA	4475	54602 VEHICLE MAINTENANCE	560
13 SCADA	4475	54603 OTHER MAINTENANCE	25,500 25000
13 SCADA	4475	55100 OFFICE SUPPLIES	250
13 SCADA	4475	55201 GAS, OIL, AND LUBRICANTS	3175 2925
13 NON-OPERATING ADMIN	4478	53115 DEPOSIT INTEREST EXPENSE	0
13 NON-OPERATING ADMIN	4478	55209 PURCHASES	0
13 NON-OPERATING ADMIN	4478	55900 DEPRECIATION EXPENSE	888445
13 NON-OPERATING ADMIN	4478	59100 TRANSFER TO FUNDS	0
13 NON-OPERATING ADMIN	4478	59301 REFUND P/Y REVENUES	0
13 NON-OPERATING ADMIN	4478	59303 SAL AND BEN COMPENSATED A	0
13 NON-OPERATING ADMIN	4478	59900 BAD DEBT EXPENSE	40334
13 NON-OPERATING ADMIN	4478	59904 ASSET DISPOSITION	0
13 NON-OPERATING ADMIN	4478	59905 AMORTIZATION	82000
13 COUNTY COMMISSION RESERVE	4479	59920 RESERVE	240000
13 COUNTY COMMISSION RESERVE	4479	59923 CONTINGENCY RESERVE	0
13 COUNTY COMMISSION RESERVE	4479	59927 CAPITAL OUTLAY RESERVE	828676
13 COUNTY COMMISSION RESERVE	4479	59934 SALARY ADJUSTMENTS	77000
13 COUNTY COMMISSION RESERVE	4479	59935 R & R FUND	502000



FINAL REPORT

**Facilities Plan for the Ponte
Vedra Utilities Water System**

St. Johns County

January 2013

**CDM
Smith**

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Appendices

Appendix A Archeological Information

Appendix B Project Costs

Section 1

Introduction

This Facilities Plan was prepared by CDM Smith Inc. (CDM Smith) in accordance with the requirements for State Revolving Fund (SRF) grant funding of drinking water systems. The area considered in preparing this plan is the service area for the Ponte Vedra Utility System.

1.1 Project Background

The project consists of improvements to the drinking water systems in the Ponte Vedra Utility service area. This service area is comprised of two former service areas: the St. Johns Service Company Service Area and the Intercoastal Utilities Service areas. The St. Johns Service Company service area was acquired by St. Johns County Utility Department (SJCUD) from St. Johns Service Company in 2006 and the Intercoastal Utilities Service area was acquired from Intercoastal Utilities (ICU) in 2007. The Ponte Vedra Utility Service Area is shown on **Figure 1-1**. The planning area is located in northeast St. Johns County and is bounded by the Duval County line to the north, the St. Johns River to the west, the Atlantic Ocean to the east, and Palm Valley Road, Mickler Road to the south and extends down the east and west sides of Ponte Vedra Boulevard.

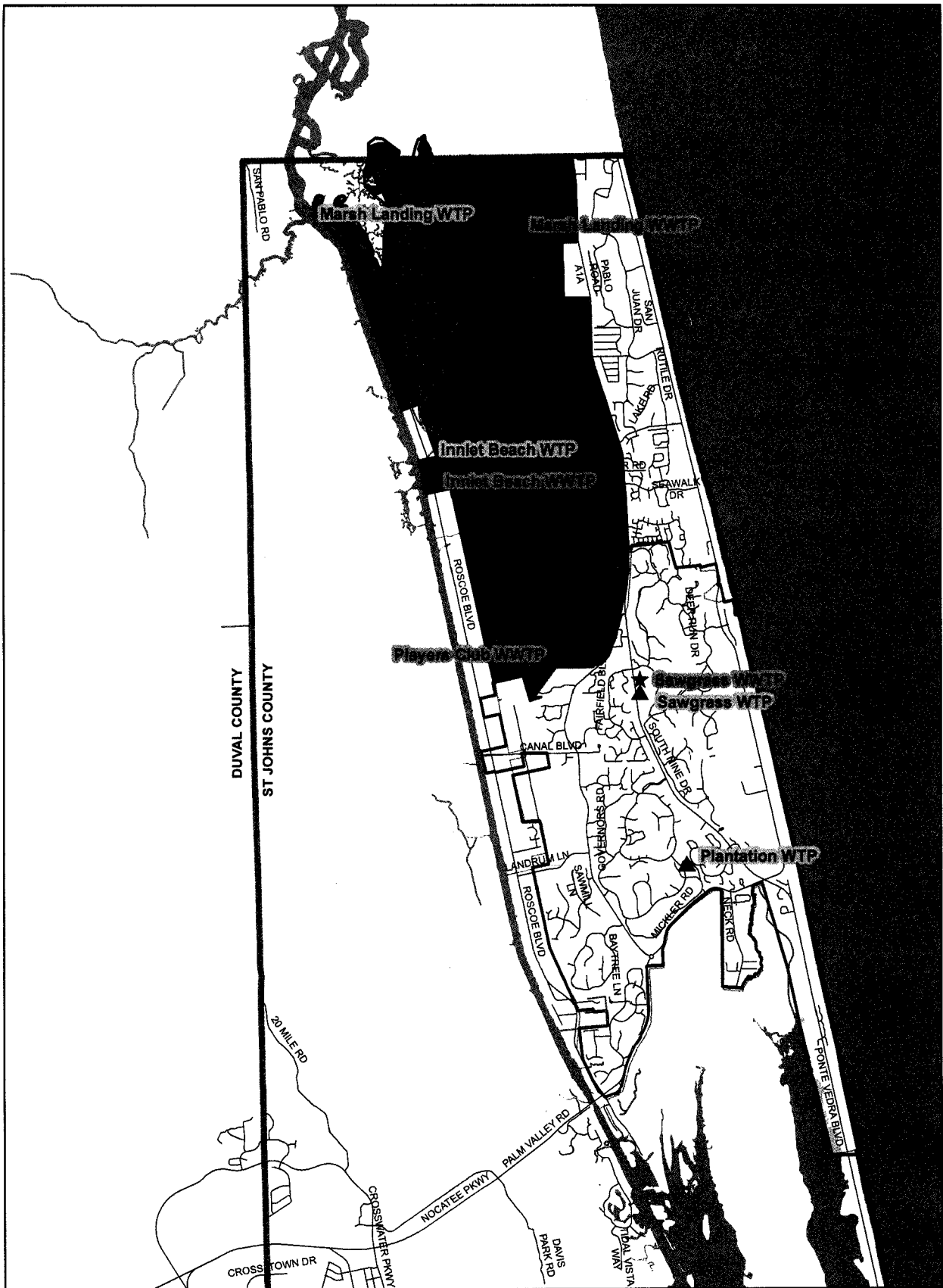
1.2 Project Need

SJCUD prepared a water, wastewater and reuse master plan of the Ponte Vedra Utility System in June 2012 to evaluate the current water supply, water treatment and water distribution systems from a regulatory and capacity standpoint and to recommend any necessary improvements. As part of this study, the following water improvements were identified as urgent:

- Replacement of the Existing Water Meters with Fixed Base Meters and flex net system
- Well 1 Rehabilitation at the Innlet Beach Water Treatment Plant (WTP)
- High Service Pumps Replacement at the Marsh Landing WTP
- High Service Pumps Replacement and Variable Frequency Drive (VFD) Addition at the Plantation WTP

The implementation of these improvements will also enable SJCUD to more effectively manage their Ponte Vedra water infrastructure. Improvements to the high service pumps at Marsh Landing and Plantation WTPs and the rehabilitation of Well 1 at Innlet Beach WTP are needed to meet the average, maximum and peak hour water demands to its customers while maintaining the existing discharge pressures as required by FDEP rule. Additionally, the use of radio-frequency meter reading, which eliminates the use of manual meter reading, saving energy and vehicles will also enables hourly meter reads such that leak detection is possible, alerting customers to potentially high billings.

SJCUD would like to implement the projects listed above using SRF program funding from the State of Florida through the Florida Department of Environmental Protection (FDEP) State Revolving Fund program.



Legend

- ▲ WTP
- ★ WWTP
- St. Johns Company Service Area
- Ponte Vedra Utility Service Area
- Intercoastal Utilities Service Area
- County Boundary

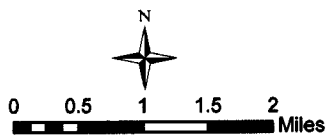
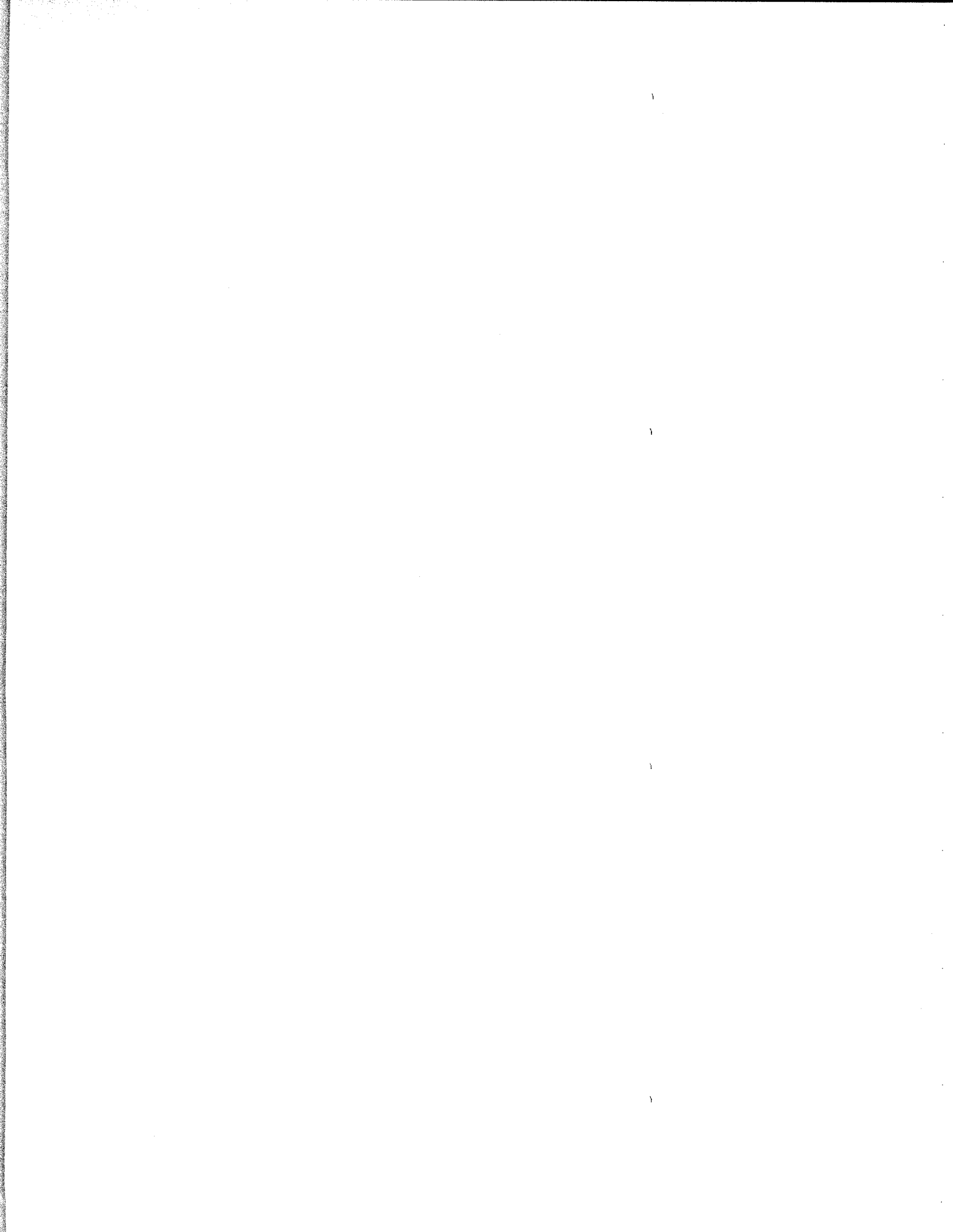


Figure 1-1
Ponte Vedra Service Area

1.3 Scope of Study

This report is organized into the following sections:

- **Executive Summary:** Provides a brief summary of the project.
- **Introduction:** Provides information related to the project background, project need and scope of study.
- **Existing Conditions:** Provides a description of the planning area including the service area characteristics and environmental conditions, the socio economic conditions, an inventory of the existing potable water facilities and the need for the facilities.
- **Future Conditions:** Provides narrative concerning future service area changes, land use and population projections as well as potable water demand projections.
- **Development of Alternatives:** Establish design needs for the planning period and identify and evaluate various water system alternatives to satisfy the planning year needs.
- **Selected Plan:** Recommend the most cost effective, environmentally sound facilities to meet the planning needs, identify any adverse environmental impacts and propose mitigating measures as well as describe in details the recommended facilities and their cost.
- **Implementation and Compliance:** Identify the need for public hearing and identify the regulatory agencies review steps, identify a source of financial plan and develop a schedule of implementation of the recommended facilities.



Section 2

Existing Conditions

2.1 Description of Planning Area

The planning area and the service area are the same for this project. The Ponte Vedra Utility service area is shown on Figure 1-1. The planning area is located in northeast St. Johns County and is bounded by the Duval County line to the north, the St. Johns River to the west, the Atlantic Ocean to the east, and Palm Valley Road, Mickler Road to the south and extends down the east and west sides of Ponte Vedra Boulevard.

2.1.1 Service Areas

The planning area is comprised of two former service areas: St. Johns Service Company service area and the ICU service area. The St. Johns Service Company service area was acquired by SJCUD from St. Johns Service Company in 2006 and the ICU Service area was acquired from ICU in 2007.

2.1.1.1 St. Johns Service Company Service Area

The St. Johns Service Company service area is comprised of approximately 7.4 square miles and is bounded by the Duval County Line to the North, the St. Johns River to the west, US AIA and Palm Valley Road to the east, and the ICU service area to the south.

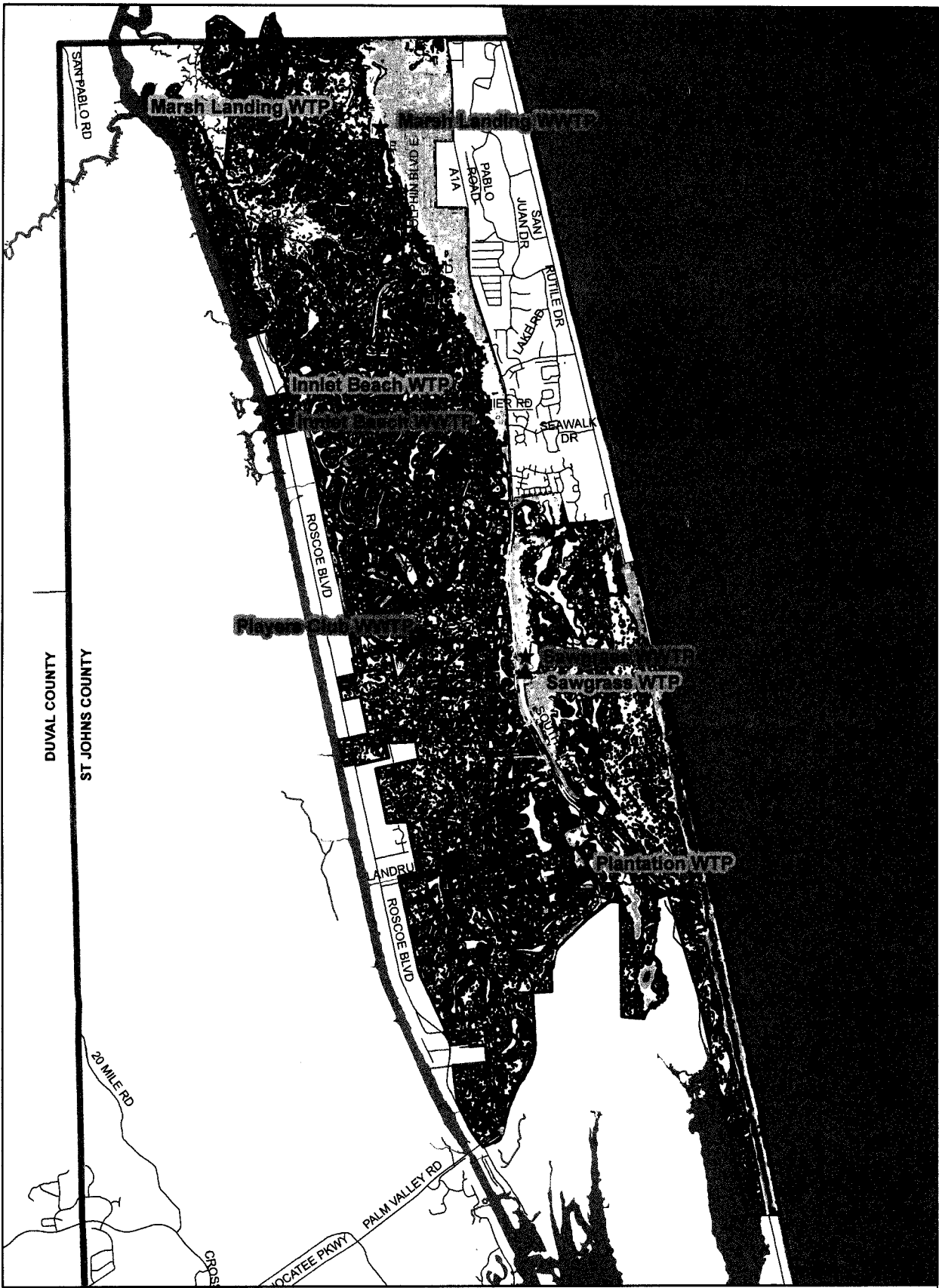
2.1.1.2 Intercoastal Utilities Service Area

The ICU service area is comprised of approximately 7.5 square miles and is bounded by the St. Johns Service Company service area to the north, the St. Johns River to the west, the Atlantic Ocean to the east, and Palm Valley Road, Mickler Road to the south and extends down the east and west sides of Ponte Vedra Boulevard.

2.1.2 Climate and Topography

The planning area has a subtropical maritime climate. It is characterized by long, warm, humid summers and mild, dry winters. The average temperature in the summer is 80°F and the average temperature in the winter is 62°F. Both winter and summer temperatures are moderated by proximity to the Atlantic Ocean. The rainy season lasts from June through the middle of October. Summer rains occur as convective afternoon and early evening thundershowers. These showers, which are local and of short duration, may produce 3 or more inches of rainfall in an hour or more. During the latter part of September and into early fall, when temperatures are fairly moderate, these showers occur early in the day and their frequency diminishes. Although thundershowers occur with the greatest frequency in the summer, they may occur in all seasons.

The topography of the Ponte Vedra Utility service area is general flat and developed. A map with the topographic elevations of the service area is provided on **Figure 2-1**. As shown on Figure 2-1, the majority of the elevations are in the 0- to 10-foot range. The highest elevations are along the coast where the beach dunes are providing a coastal barrier.



Legend

- ▲ WTP
- ★ WWTP
- Ponte Vedra Utility Service Area
- ▣ County Boundary

ELEVATION

- 0 - 8
- 9 - 10
- 11 - 14
- 15 - 20
- 21 - 27
- 28 - 53

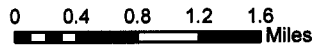


Figure 2-1
Topography in the
Ponte Vedra Service Area

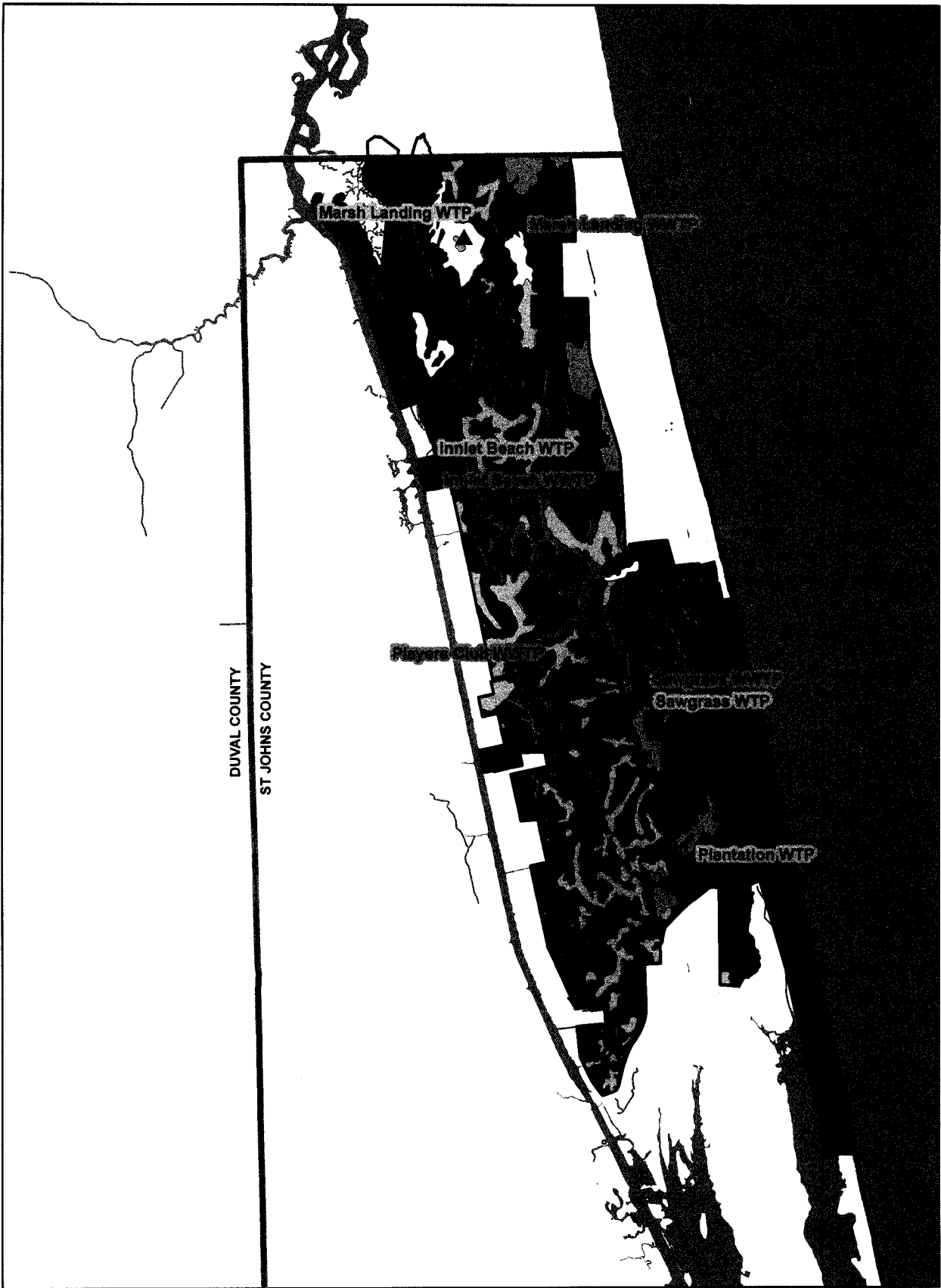
2.1.3 Soils, Geology and Groundwater

Soils have been mapped by the Soil Conservation Service (SCS) of the U.S. Department of Agriculture. A soils map of the Ponte Vedra Utility service area is presented on **Figure 2-2**. The soils located in the study area are approximately 29 percent Toco Fine Sand, 8 percent Manatee Fine Sandy Loam frequently flooded, 8 percent Myakka Fine Sand, 6 percent St. Augustine Fine Sand, 5 percent Tisonia Mucky Peat frequently flooded, 5 percent Durbin Muck frequently flooded, 5 percent Parkwood Fine Sandy Loam frequently flooded, 4 percent Fripp-Satellite Complex, 3 Percent Cassia Fine Sand, 2 percent Ona Fine Sand, and 2 percent Riviera Fine Sand depressional. The remaining 24 percent is made up of very small percentages categorized mostly by fine sands. Toco Fine Sand is a poorly drained, nearly level soil in broad flatwood areas with slopes ranging from 0 to 2 percent. Manatee Fine Sandy Loam is a very deep, very poorly drained, moderately permeable soil in depressions, broad drainageways, and on floodplains with slopes from 0 to 2 percent. Myakka fine sand is a nearly level, poorly drained soil in the flatwoods. St. Augustine Fine Sand is a somewhat poorly drained, nearly level soil on narrow to broad low flat areas and low knolls adjacent to dial salt marshes and estuaries along the Atlantic Coast and Intracoastal Waterway with slopes ranging from 0 to 2 percent. Tisonia Mucky Peat, frequently flooded is a very poorly drained, nearly level soil that is in tidal marshes along the coastal areas with slopes less than 1 percent. Durbin Muck is a very poorly drained, nearly level soil in narrow estuaries and road tidal basins near the Atlantic Ocean with slopes less than 1 percent. Parkwood Fine Sandy Loam is found on low hammocks and has marl subsoils. Fripp-Satellite Complex are excessively drained, rolling or hilly Fripp soil on narrow relict beach dunes and somewhat poorly drained, nearly level Satellite soil in narrow swales between areas of the Fripp soil. Slope of the Fripp soil ranges from 8 to 15 percent and slope of the Satellite soil ranges from 0 to 2 percent. Cassia Fine Sand is a deep, nearly level and poorly drained soil with slopes ranging from 0 to 2 percent. Ona Fine Sand is a somewhat poorly drained soil of the flatwoods. Riviera Fine Sand depressional is nearly level and very poorly drained soil with slopes ranging from 0 to 2 percent.

St. Johns County is in South Atlantic Coastal Plain. The County takes in four marine terraces composed of sandy and loamy sediments of Recent or Pleistocene age. These surface sediments of Pleistocene or Recent Age are mixed with marine shells.

Between the surface materials and the upper part of the porous limestone in the Floridan Aquifer lie unconsolidated lenses of sand, sandy clay, clay and marl. In the upper part, these materials are Upper Miocene or Pliocene deposits. The lower part of these materials, called the Hawthorne Formation, contains some phosphatic materials. The sediments and formations above the Floridan Aquifer are the source of groundwater supplies for most areas in the County.

The Floridan Aquifer is composed of numerous limestone and dolomite formations of Eocene age. These formations are made up of carbonate materials that range from very hard and continuous to very soft and discontinuous. The soft materials contain many solution cavities, which hold and transmit large quantities of water. Most of the fresh water supplies for agriculture use are obtained from the Floridan Aquifer.



- Soils**
- CASSIA FINE SAND
 - DURBIN MUCK FREQUENTLY FLOODED
 - FRIPP-SATELLITE COMPLEX
 - MANATEE FINE SANDY LOAM FREQUENTLY FLOODED
 - MYAKKA FINE SAND
 - ONA FINE SAND
 - PARKWOOD FINE SANDY LOAM FREQUENTLY FLOODED
 - RIVIERA FINE SAND DEPRESSIONAL
 - ST. AUGUSTINE FINE SAND
 - TISONIA MUCKY PEAT FREQUENTLY FLOODED
 - TOCOI FINE SAND
 - OTHER

- N
- 0 0.5 1 1.5 2 Miles
- ▲ WTP
- ★ WWTP
- Ponte Vedra Utility Service Area
- County Boundary

Figure 2-2
Soil Map in the Ponte Vedra Utility Service Area

2.1.4 Surface Water Hydrology

Major water bodies are shown on **Figure 2-3**. The planning area is located within four sub-basins: Cabbage Creek, Intracoastal Waterway, Guana River, and the Tolomato River. These sub-basins feed into the Intracoastal Waterway and the Tolomato River Unit.

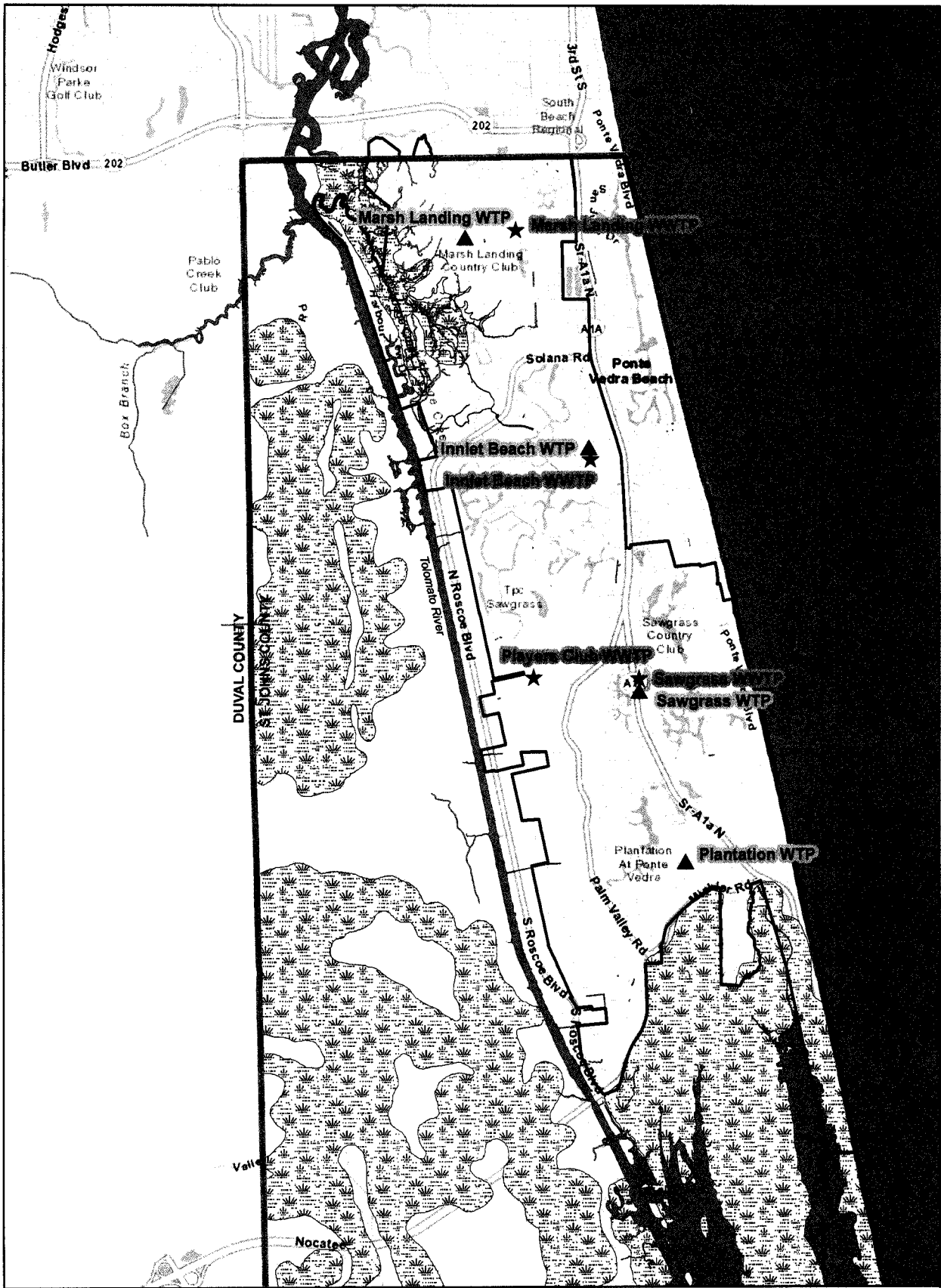
2.1.5 Air Quality

Air quality within the service area is considered to be in-attainment of the State and Federal ambient Air Quality Standards.

2.1.6 Wetland and Floodplains

A very small amount of wetland areas were identified within the service area. There is an estuarine wetland located in the northwest corner of the service area near the Duval County line and the St. Johns River. There is also a palustrine wetland at the southernmost part of the service area along the west side of Ponte Vedra Blvd. These two wetlands are shown on **Figure 2-3**.

Floodplains were identified using a FEMA Flood Insurance Rate Map, Panels 12109C0082H, 12109C0085H, 12109C0103H, 12109C0111H, 12109C0095H, 12109C0113H and are presented on **Figure 2-4**. Approximately 47 percent of the planning area is located within the 100-year floodplain (zones A, AE, AH and VE). Approximately 43 percent of the planning area is located within the 500-year floodplain (Zone X-500), with a 0.2 percent chance of flooding. The remaining 10 percent is located between the limits of the base flood (100-year) and the 500-year flood (Zone X).



Basemap Source: ESRI World Street Map

Legend

- ▲ WTP
- ★ WWTP
- ▭ County Boundary
- ▭ Ponte Veda Utility Service Area
- ~ Creeks
- Water Bodies
- ▨ Wetlands

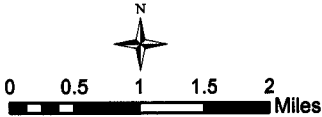
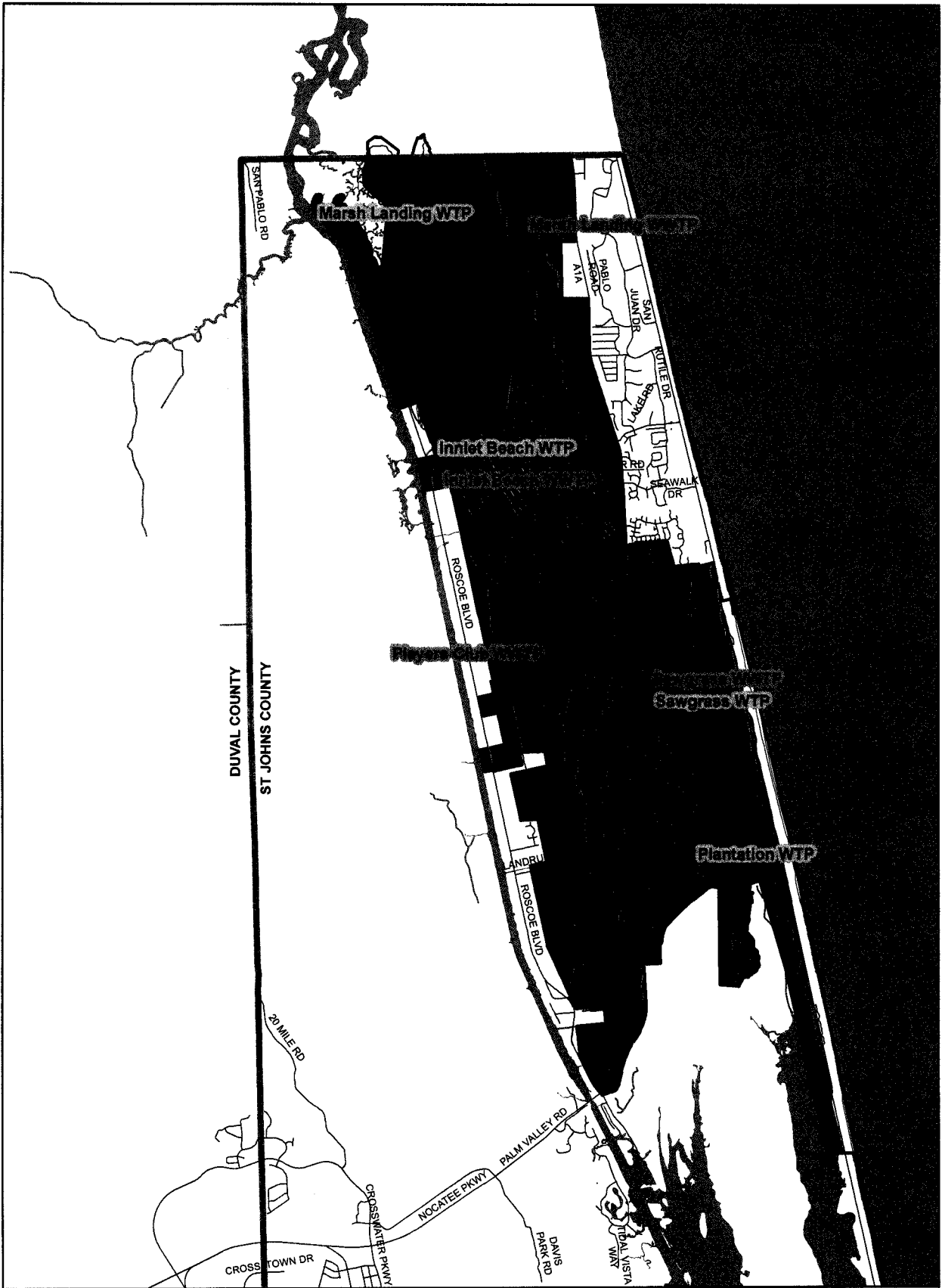


Figure 2-3
Major Water Bodies in Ponte Veda Utility Service Area



Legend

- ▲ WTP
- ★ WWTP
- ▭ Ponte Vedra Utility Service Area
- ▭ County Boundary
- ~ Creeks
- WaterBodies

Floodplain

- Flood Zone**
- AE - 100yr floodplain
 - A - 100yr floodplains
 - AH - 100yr floodplain
 - X500 - 500yr floodplain
 - VE - 100yr flooding with velocity hazard
 - X - Outside 100 yr floodplain



Figure 2-4
Floodplain in the Ponte Vedra Utility Service Area

2.1.7 Archeological and Historical Sites

CDM Smith contacted the State Division of Historical Resources to identify historic and archeological landmarks within the study area. The results are provided in **Appendix A**. Seventeen archeological sites, 1 bridge, 2 cemeteries, 4 resource groups and 118 standing structures were found in the study area. None of these sites were located in the vicinity of the water facilities that are considered for upgrades/improvements for this project. The closest archeological site is over one-half mile from the nearest water treatment plant.

2.1.8 Plant and Animal Communities

The dominant types of natural vegetation are primarily palmetto and scrub live oak to laurel oak, live oak, magnolia, and a few longleaf pines further from the beach.

Most of the area is now used for residential and commercial development. Animal life in the developed areas is limited. Non game species include raccoon, rabbit, armadillo, opossum, skunk, bobcat, gray and red foxes, otter, and a variety of songbirds, wading birds, shore birds, woodpeckers, reptiles, and amphibians. A wide variety of fish species, both fresh and saltwater, provide good fishing in the surrounding area.

2.1.9 Source Water Protection

St. Johns County has developed a wellhead protection ordinance to protect its source waters in accordance with Rule 62-521. SJCUD draws all of its drinking water supply from the Floridan Aquifer.

2.2 Socio-Economic Conditions

2.2.1 Population

The population data is based upon the customers served in each of the two service areas and is presented in **Table 2-1**. To calculate the population served, 2.54 persons per connection was used. A population of 21,902 people was served in the Ponte Vedra Utility service area in 2010.

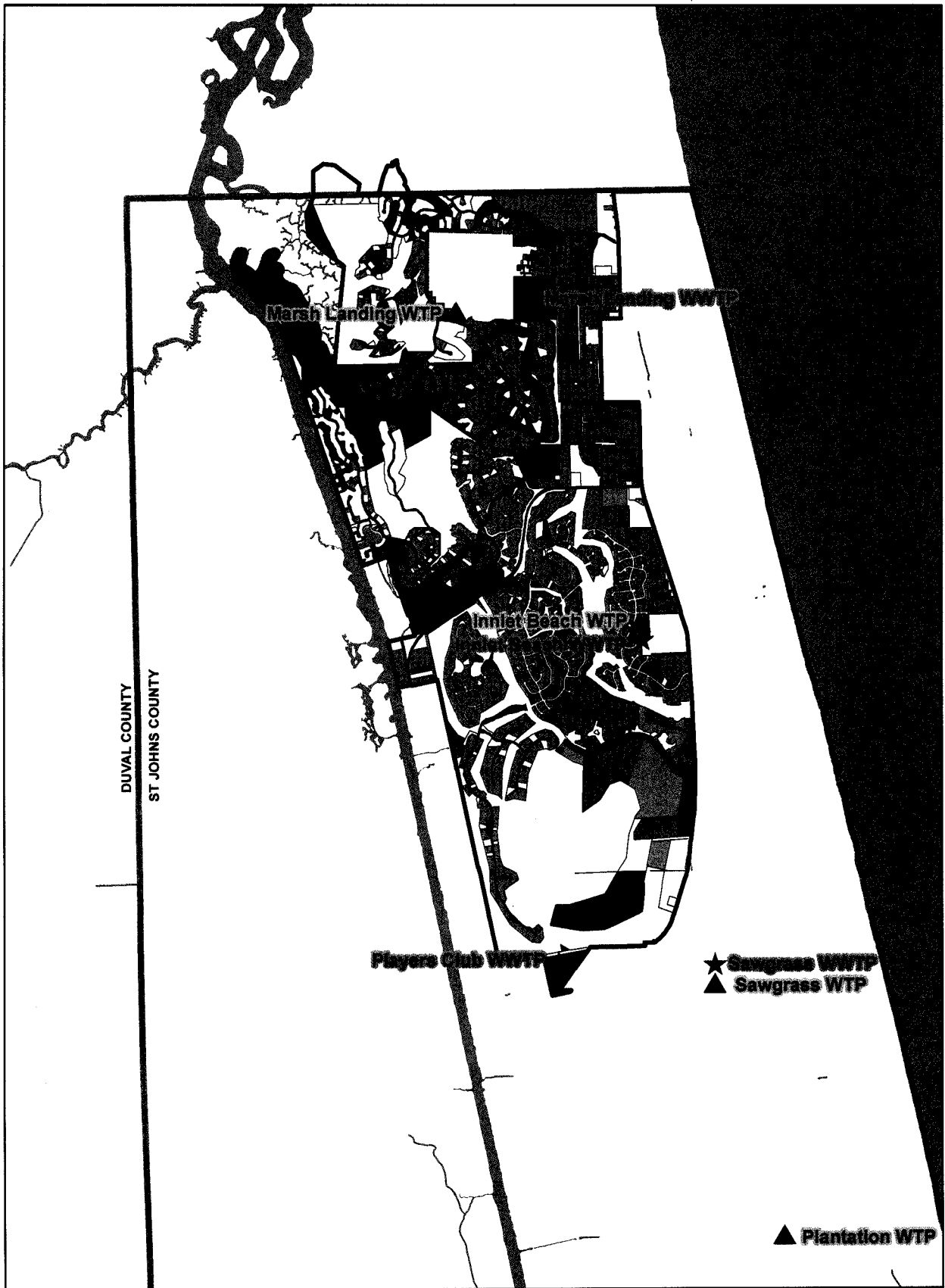
Table 2-1 Existing Population in Ponte Vedra Utility

Year	Population
2009/2010	21,902
2010/2011	21,946
2011/2012	22,009

2.2.2 Land Use

2.2.2.1 St. Johns Service Company Service Area

The former St. Johns Service Company Service area encompasses approximately 4,674 acres in northeast St. Johns County. The existing land use delineation from 1996 is shown on **Figure 2-5**. As shown on Figure 2-5, the St. Johns Service Company service area is predominantly low to medium density residential accounting for 1,303 acres or 28 percent of the area. The remaining land is mostly made up of recreation and open space (27 percent), agricultural and forest lands (14 percent), vacant (13 percent), and rights of way (9 percent). Unclassified, commercial, institutional, and high density residential areas make up very small percentages of the service area for a total of 426 acres.



Legend

- ▲ WTP
- ★ WWTP
- St. Johns Company Service Area
- County Boundary
- ~ Creeks
- WaterBodies

Land Use

- | | |
|----------------------------|----------------------------------|
| ■ Unclassified | ■ Low/Medium Density Residential |
| ■ Agricultural/Forested | ■ Industrial |
| ■ Recreational/Open Space | ■ Institutional |
| ■ Commercial | ■ Rights of Way |
| ■ High Density Residential | ■ Vacant |



Figure 2-5
Existing Land Use
St. Johns Service Company Service Area

**CDM
 Smith**

Table 2-2 Existing Land Use in the St. Johns Service Company Service Area (1996)

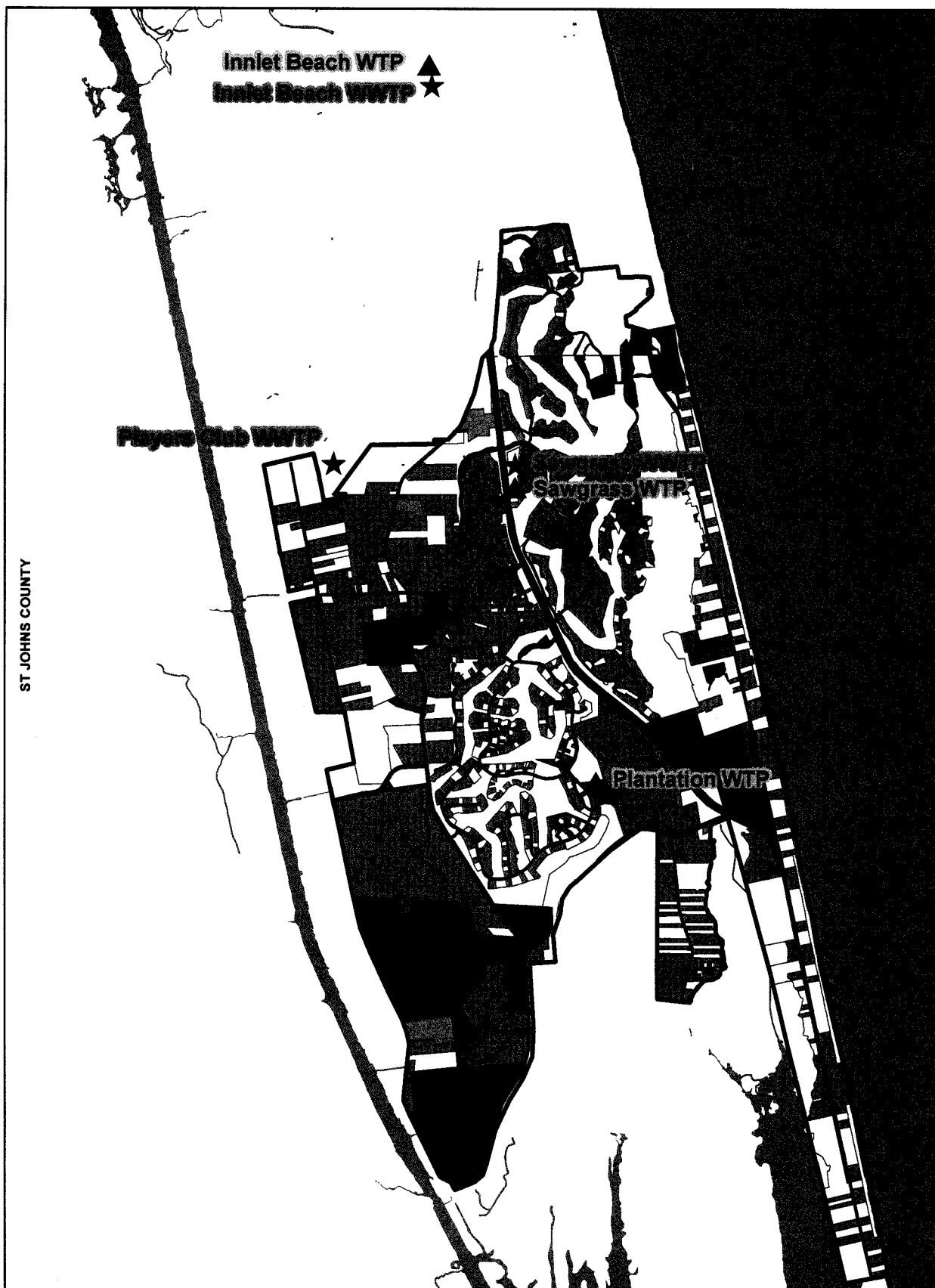
Land Use Category	Acreage	Percent of Total Area
Low/Medium Residential	1,303	28%
Recreation and Open Space	1,282	27%
Agricultural and Forest Lands	657	14%
Vacant	592	13%
Rights of Way	414	9%
Unclassified	246	5%
Commercial	116	2%
Institutional	55	1%
High Density Residential	8	<1%
Grand Total	4,674	100%

2.2.2.2 Intercoastal Utilities Service Area

The former ICU service area encompasses approximately 4,750 acres in northeast St. Johns County. The existing land use delineation from 1996 is shown on **Figure 2-6**. As shown on **Figure 2-2**, the ICU service area is predominantly low to medium density residential accounting for 1,606 acres or 34 percent of the area. The remaining land is mostly made up of recreation and open space (20 percent), vacant (16 percent), agricultural and forest lands (12 percent), and rights of way (9 percent). Unclassified, high density residential, commercial, and institutional areas make up very small percentages of the service area for a total of 375 acres. Land use by type for the ICU service area is summarized in **Table 2-3**.

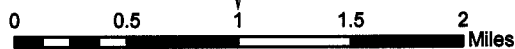
Table 2-3 Existing Land Use in the Intercoastal Utility Service Area (1996)

Land Use Category	Acreage	Percent of Total Area
Low/Medium Residential	1,606	34%
Recreation and Open Space	957	20%
Vacant	777	16%
Agricultural and Forest Lands	589	12%
Rights of Way	445	9%
Unclassified	210	4%
Institutional	73	2%
High Density Residential	51	1%
Commercial	41	0.9%
Industrial	0.4	0.01%
Grand Total	4,750	100%



Legend

- ▲ WTP
- ★ WWTP
- ▭ Intercoastal Utilities Service Area
- ▭ County Boundary
- ~ Creeks
- WaterBodies



Land Use

- | | |
|----------------------------|----------------------------------|
| ■ Unclassified | ■ Low/Medium Density Residential |
| ■ Agricultural/Forested | ■ Industrial |
| ■ Recreational/Open Space | ■ Institutional |
| ■ Commercial | ■ Rights of Way |
| ■ High Density Residential | ■ Vacant |

Figure 2-6
Existing Land Use
Intercoastal Utilities Service Area
CDM
Smith

2.3 Potable Water System

2.3.1 Current and Historical Potable Water Demand

This subsection describes the current and historical potable water demand for each of the four water treatment plants that serve the Ponte Vedra Utility System: Marsh Landing WTP and Innlet Beach WTP serve the former St. Johns Company Service area; and Plantation WTP and the Sawgrass WTP serve the former ICU Service area.

2.3.1.1 St. Johns Service Company Potable Water System

The two water treatment plant service areas in the former St. Johns Service Company service area are presented on **Figure 2-7**. A summary of the potable water demand per service area is shown in **Table 2-4**. The total average daily flow (ADF) demands for the combined water systems in 2010, 2011 and 2012 were 2.44 million gallons per day (mgd), 2.63 mgd, and 2.35 mgd, respectively. The total potable water demand from the year 2010 to 2011 increased followed by a decrease in demand from 2011 to 2012. The Marsh Landing WTP and the Innlet Beach WTP have a permitted capacity of 2.4 mgd and 3.6 mgd, respectively.

Table 2-4 Summary of Finished Water Flows in the St. Johns Service Company Service Area

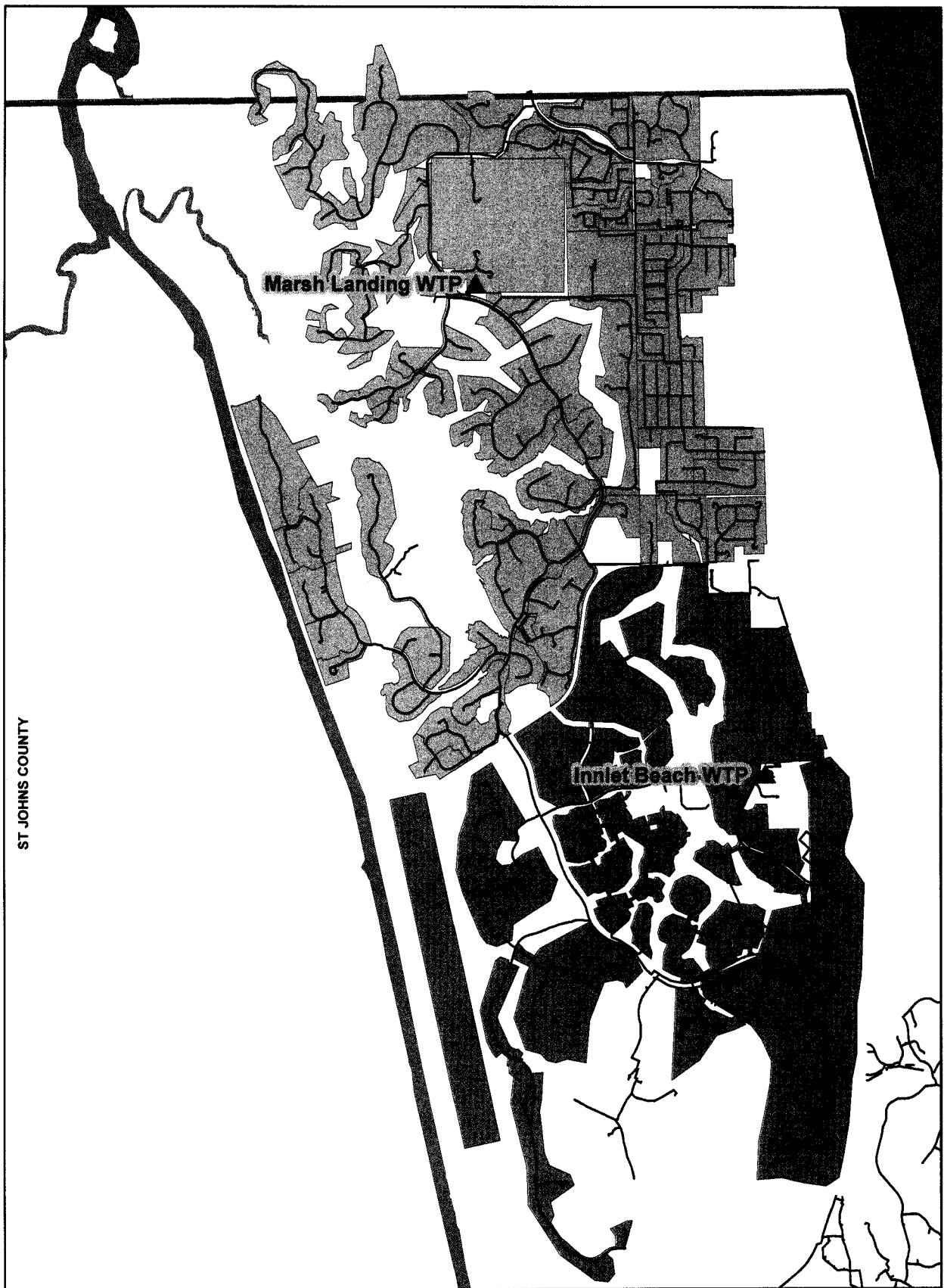
Year	Marsh Landing WTP Flows in mgd	Innlet Beach WTP Flows in mgd	Total Flows in mgd
2010	0.84	1.60	2.44
2011	1.14	1.50	2.64
2012	0.94	1.40	2.34

2.3.1.2 Intercoastal Utilities Potable Water System

The two water treatment plant service areas in the former ICU service area are presented on **Figure 2-8**. The ICU area is currently providing potable water to two sub systems in the JEA service area, Palm Valley and Marsh Harbor. A summary of the potable water demand per service area is shown in **Table 2-5**. The total average daily flow (ADF) demands for the combined water systems in 2010, 2011 and 2012 were 2.10 mgd, 2.41 mgd, and 2.15 mgd, respectively. The total potable water demand from the year 2010 to 2011 increased followed by a decrease in demand from 2011 to 2012. The Sawgrass WTP and the Plantation WTP have a permitted capacity of 3.0 mgd and 6.0 mgd, respectively.

Table 2-5 Summary of Finished Water Flows in the Intercoastal Utilities Service Area

Year	Sawgrass WTP Flows in mgd	Plantation WTP Flows in mgd	Total Flows in mgd
2010	0.21	1.89	2.10
2011	0.31	2.10	2.41
2012	0.23	1.93	2.16



ST JOHNS COUNTY

Marsh Landing WTP

Inlet Beach WTP

Legend

- ▲ WTP
- Water Mains
- ▭ County Boundary

Water Treatment Plant Service Areas

- Inlet Beach WTP Service Area
- ▨ Marsh Landing WTP Service Area

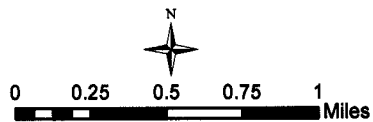
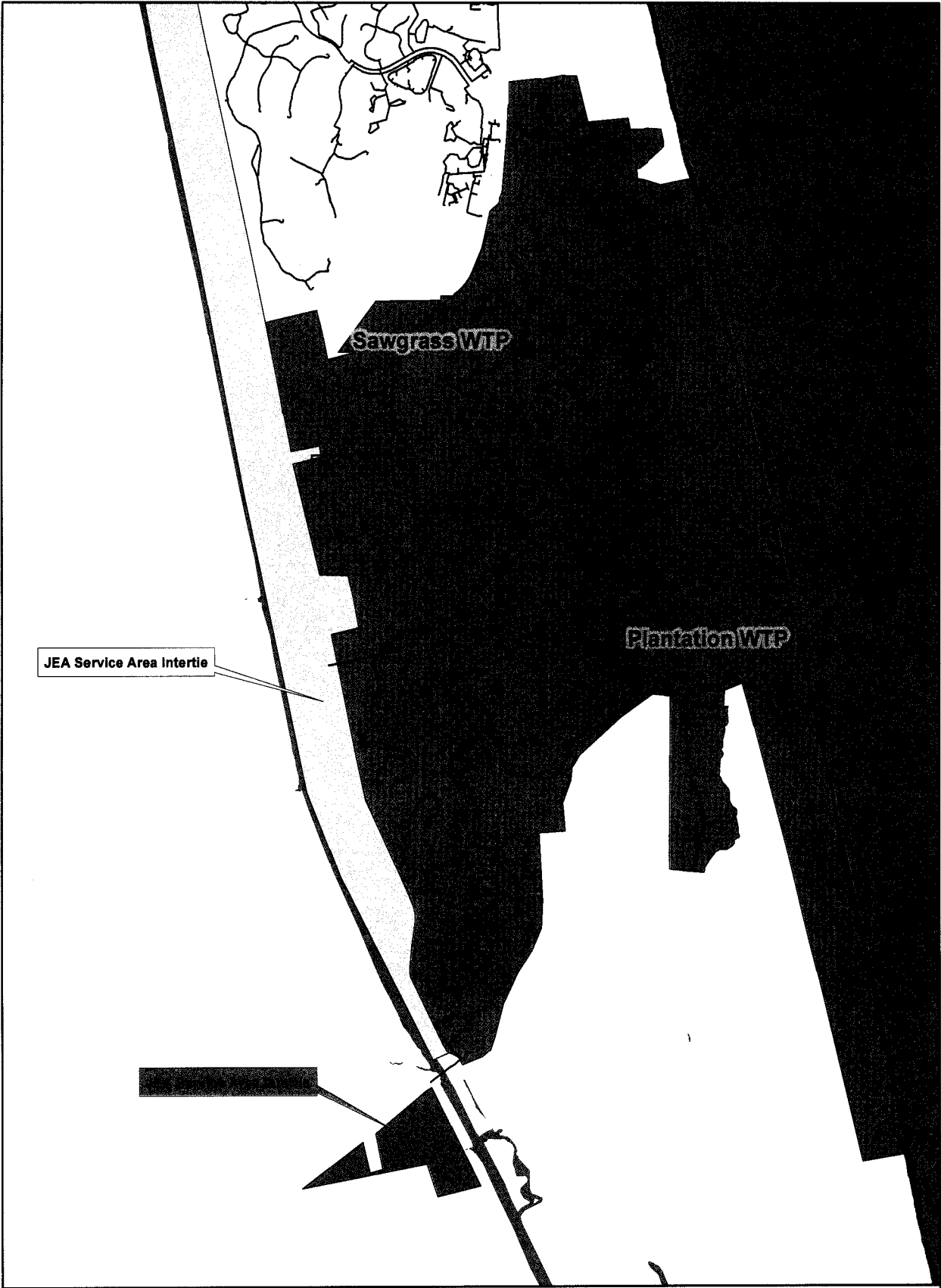


Figure 2-7
Water Treatment Plant Service Areas
 St. Johns Service Company
CDM
Smith



Legend

- ▲ WTP
- Water Mains
- ICU Service Area
- JEA Palm Valley Service Area
- JEA Marsh Harbor Service Area
- County Boundary



Figure 2-8
Water Treatment Plant Service Areas
 Intercoastal Utilities
CDM
Smith

2.3.2 Water Conservation

Individual meters are used through the service areas. Utility consumers are periodically reminded, via monthly billing, that water bills depend on water use. Information about water savings faucets and plumbing fixtures is also sent out periodically with billings.

The total finished water flows can be compared with the total annual gallons sold for the Ponte Vedra Utility System to estimate the unaccounted for flow. **Table 2-6** presents the unaccounted for flow for the period from 2010 to 2012. As shown in Table 2-6, the unaccounted for water was estimated at 14% of the water being produced in 2012.

Table 2-6 Finished Water Flow vs. Annual Gallons Sold

	Total Finished Water Flows (gallons)	Annual Gallons Sold (gallons)	Unaccounted for Flow (gallons)
2010	1,656,690,000	1,360,720,000	295,970,000
2011	1,841,291,000	1,402,804,000	438,487,000
2012	1,642,029,000	1,406,379,000	235,650,000

2.3.3 Description of the Existing Water Facilities

The Ponte Vedra Utility service area is served by four Water Treatment Plants: Marsh Landing WTP, Plantation WTP, Innlet Beach WTP and Sawgrass WTP.

2.3.3.1 Water Supply

SJCUD is in the process of combining the St. Johns River Water Management District (SJRWMD) Consumptive Use permit (CUP) for raw water withdrawals from the Floridan aquifer from the former ICU and St. Johns Service Company systems into one new CUP. A 20-year permit duration (from 2009 to 2028), with a total of 2028 AADF groundwater withdrawal of 3.79 mgd for the former St. Johns Service Company service area and 2.60 mgd for the former ICU service area has been requested.

To help minimize drawdowns and potential impacts from groundwater withdrawals, SJCUD has requested a rotation capacity among the wells in the Ponte Vedra system.

Marsh Landing Water Supply

The Marsh Landing WTP has a permitted capacity of 2.4 mgd and is supplied by the Marsh Landing wellfield. The Marsh Landing water plant draws from two Upper Floridan aquifer (UFA) wells. The existing firm and total capacities at this wellfield are 1.44 and 3.6 mgd, respectively. The withdrawal capacity of each well is summarized in **Table 2-7**.

Table 2-7 Marsh Landing Well Withdrawal Capacity

Well ID	Well Capacity (mgd)
ML-1A	1.44
ML-2	2.16

Innlet Beach Water Supply

The Innlet Beach WTP has a design permitted capacity of 3.6 mgd and is supplied by the Innlet Beach wellfield. The Innlet Beach wellfield is composed of four wells (IB-1, IB-2, IB-3, IB-4) drawing water from the UFA. Two are located on the plant property, and the other two are located approximately 2,500 feet north of the plant. The withdrawal capacity of each well is summarized in **Table 2-8**. The existing firm and total capacity at this wellfield are 5.33 mgd and 7.78 mgd, respectively.

It should be noted that Innlet Beach Well No. 1 has been drawing sand due to the presence of holes in the casing and is not currently out of service. This well needs to be rehabilitated in order for SJCUD to meet the peak flows.

Table 2-8 Innlet Beach Well Withdrawal Capacity

Well ID	Well Capacity (mgd)
IB-1	1.80
IB-2	1.08
IB-3	2.45
IB-4	2.45

Sawgrass Water Supply

The Sawgrass WTP has a design permitted capacity of 3.0 mgd and is supplied by the Sawgrass wellfield. The Sawgrass WTP is fed by two wells withdrawing from the UFA. The withdrawal capacity of each well is summarized in **Table 2-9**. The existing firm and total capacity at this wellfield are 1.44 mgd and 2.88 mgd, respectively.

Well No. 7 is a 12-inch well in the maintenance yard of the Sawgrass Golf and Country Club golf course, located just south of the Sawgrass water treatment plant site. Well No. 7 is a new well that has replaced Well No. 1.

Well No. 2 is a 12-inch well on the Sawgrass water plant site, east of the high service pump building. The pump in this well has recently been updated, and this well is rated for flows up to 1,000 gallons per minute (gpm) under normal conditions.

Table 2-9 Sawgrass Well Withdrawal Capacity

Well ID	Well Capacity (mgd)
Sawgrass 2	1.44
Sawgrass 7	1.44

Plantation Water Supply

The Plantation WTP has a design permitted capacity of 6.0 mgd and is supplied by the Plantation wellfield. The Plantation WTP is fed by four wells withdrawing from the UFA. The withdrawal capacity of each well is summarized in **Table 2-10**. The existing firm and total capacity at this wellfield are 6.48 mgd and 8.64 mgd, respectively. Well No. 3 is located on the plant property, and the other three (Well Nos. 4, 5, and 6) are located nearby. The pump for Well No. 3 is rated for a capacity of 1,500 gpm. The pump motor was replaced in 2000 and is now 40 horsepower (hp). The Well No. 4 pump is rated for 1,500 gpm. The well pumps for these wells are rated for 1,500 gpm.

Table 2-10 Plantation Well Withdrawal Capacity

Well ID	Well Capacity (mgd)
Plantation 3	2.16
Plantation 4	2.16
Plantation 5	2.16
Plantation 6	2.16

2.3.3.2 Water Treatment

The Marsh Landing WTP and the Innlet Beach WTP have a permitted capacity of 2.4 mgd and 3.6 mgd, respectively. The Plantation WTP and the Sawgrass WTP have a permitted capacity of 6.0 mgd and 3.0 mgd, respectively. The total finished water flow produced 1,657 million gallons of raw water in 2010, 1,841 million gallons in 2011, and 1,642 million gallons in 2012.

Marsh Landing WTP

The Marsh Landing WTP is located in the northern portion of the former St. Johns Service Company service area, south of Deer Colony Lane. Marsh Landing WTP treatment consists of a tray aerator followed by disinfection in the 400,000-gallon storage tank, and high service pumping. A 10,000-gallon hydropneumatic tank is installed at the plant to provide water to customers during low flow conditions without the need of operating high service pumps. The water is pumped from the storage tank by three high service pumps installed in a pump house. The current pumping system has 3 (2 duty and 1 standby) constant speed horizontal centrifugal pumps with a design discharge pressure of approximately 70 psi. One of the existing high service pumps is out of service and the other two existing high service pumps operate close to their run out conditions and thus at a low efficiency and are near the end of their operating life.

Innlet Beach WTP

The Innlet Beach WTP is located in the southern half of its service area at 98 Citrus Lane. Innlet Beach WTP treatment consists of a tray aerator followed by disinfection in a 1.0 MG storage tank and high service pumping. A 10,000-gallon hydropneumatic tank is installed at the plant to provide water to customers during low flow conditions without the need of operating high service pumps. Four high service pumps are located at the Innlet Beach WTP. All four pumps were replaced and upgraded during the summer of 2012 to meet the peak flows. Each new pump has a horizontal split-case with a design flow of 1,270 gpm.

Sawgrass WTP

The Sawgrass Water Treatment Plant (WTP) is located on the northern portion of the ICU service area, off of A1A and south of Sawgrass Drive. Treatment of the water consists of aerating the well water, and chlorinating the water. Sawgrass Beach WTP treatment consists of a tray aerator followed by disinfection in a 0.5-MG storage tank and high service pumping. A 10,000-gallon hydropneumatic tank is installed at the plant to provide water to customers during low flow conditions without the need of operating high service pumps. The water is pumped from the storage tank by three high service pumps installed in a pump house. The current pumping system has three (2 duty and 1 standby) constant speed horizontal centrifugal pumps rated for 4,700 gpm combined flow and a design discharge pressure of approximately 60 psi.

Plantation WTP

The Plantation WTP is located in the southern half of the service area on Tabby Lane, off of Plantation Circle South. The Plantation WTP underwent renovations in 2000 to expand its capacity. Raw well water is aerated and chlorinated prior to pumping via five high service pumps to distribution. Pumps Nos. 3 and 4 are not currently in service and Pump No. 1 cycles on and off frequently. VFDs are not installed currently on these pumps.

2.3.3.3 Water Distribution

The potable water distribution system for the former St. Johns Service Company service area is made up of a total of approximately 78 miles of pipes. The distribution system from the Marsh Landing WTP is connected with the Innlet Beach WTP, providing redundancy and reducing dead-end pipes. **Table 2-7** presents the potable pipe lengths by diameter for the St. Johns Service Company area. The distribution system is mostly made up of pipes with 6-inch and 8-inch diameters. Some of the unknown pipes are laterals that could be located within the plant sites. The water pipe network for the former St. Johns Service Company service area distribution system is shown on Figure 2-7.

Table 2-7 Potable Water Pipe Lengths for the St. Johns Service Company Service Area

Diameter (inches)	Length (feet)	Length (miles)	Percent of Total
0.75	334	0.06	0.1%
1	1,471	0.28	0.4%
1.5	404	0.08	0.1%
2	23,972	4.54	5.8%
3	1,100	0.21	0.3%
4	43,075	8.16	10.4%
6	81,442	15.42	19.7%
8	184,283	34.90	44.5%
10	7,514	1.42	1.8%
12	69,761	13.21	16.9%
14	464	0.09	0.1%
16	87	0.02	<0.1%
Total	364,270	78.39	100%

The potable water distribution system for the former ICU service area is comprised of 2 water treatment plants that convey potable water through a total of 360,536 feet or approximately 68 miles of piping. The distribution system from the Sawgrass WTP is connected with the Plantation WTP, providing system redundancy and reducing dead-end pipes. The distribution system is mostly made up of pipes with 6-inch, 8-inch, and 12-inch diameters. Approximately 98 percent of the distribution system piping is made of polyvinyl chloride (PVC). **Table 2-8** presents the potable pipe lengths by diameter for the former ICU service area. The water pipe network of the former ICU distribution system is shown on Figure 2-8.

Table 2-8 Potable Water Pipe Lengths for the ICU Service Area

Diameter (inches)	Length (ft)	Length (miles)	Percentage of Total (%)
1	317	0.06	0.1%
1.25	147	0.03	0.04%
1.5	159	0.03	0.04%
2	17,312	3.28	4.8%
2.5	64	0.01	0.02%
3	7,646	1.45	2.1%
4	32,672	6.19	9.1%
6	60,421	11.44	16.8%
8	144,159	27.30	40.0%
10	19,433	3.68	5.4%
12	74,480	14.11	20.7%
16	3,360	0.64	0.9%
20	143	0.03	0.04%
24	222	0.04	0.1%
Grand Total	360,536	68	100%

Approximately 3,500 linear feet of 12-inch water main pipe was installed in 2012 to interconnect the former St. Johns Service Company and Intracoastal Utilities service areas to increase system redundancy and reliability.

2.4 Need for Facilities

The following improvements were identified as needed to serve the water customers in the Ponte Vedra Utility system. The improvements are discussed in more details in Section 4.

- **Water Supply:** At the present time, SJCUD does not have the total wellfield capacity with Well IB-1 out of service to provide for the peak flow at the Innlet Beach Water Treatment Plant. Well IB-1 is currently drawing sand and is not currently used; therefore, SJCUD needs to rehabilitate Well IB-1 or add a new well in the near future.
- **Water Treatment:** The existing high service pumps at the Marsh Landing Water Treatment Plant operate close to their run out conditions and thus at a low efficiency. These pumps need to be upgraded to provide the ADF, MDF and peak hour flow to its customers while maintaining the existing discharge pressures as required by FDEP rule 62-555. Additionally the high service pumps at the Plantation WTP also need to be replaced. Pump No. 1 cycles off and on frequently and pump No. 5 is currently not in service. All of the high service pumps at the Plantation WTP should be replaced and variable frequency drives should be added improve system control and increase energy efficiency. The new pumps will be sized to provide the ADF, PDF and peak hour flow to the customers while maintaining the system pressures as required by FDEP rule 62-555.
- **Water Distribution System:** The existing manual meters that are installed in the system are old and need to be replaced. Additionally, as shown in Section 2.3.2, the Ponte Vedra Utility has a large amount of unaccounted for water. As part of this project, SJCUD would like to replace the

manual meter readings with the use of use of radio-frequency meter to save energy and vehicles. Replacement of meters could also help reduce the amount of the unaccounted for water. This type of metering system also enables hourly meter reads such that leak detection is possible, alerting customers to potentially high billings.

Section 3

Future Conditions

3.1 Service Area Changes

There are no expected changes to the service areas in the future.

3.2 Land Use and Population Projections

3.2.1 Future Land Use

3.2.1.1 Former St. Johns Service Company Service Area

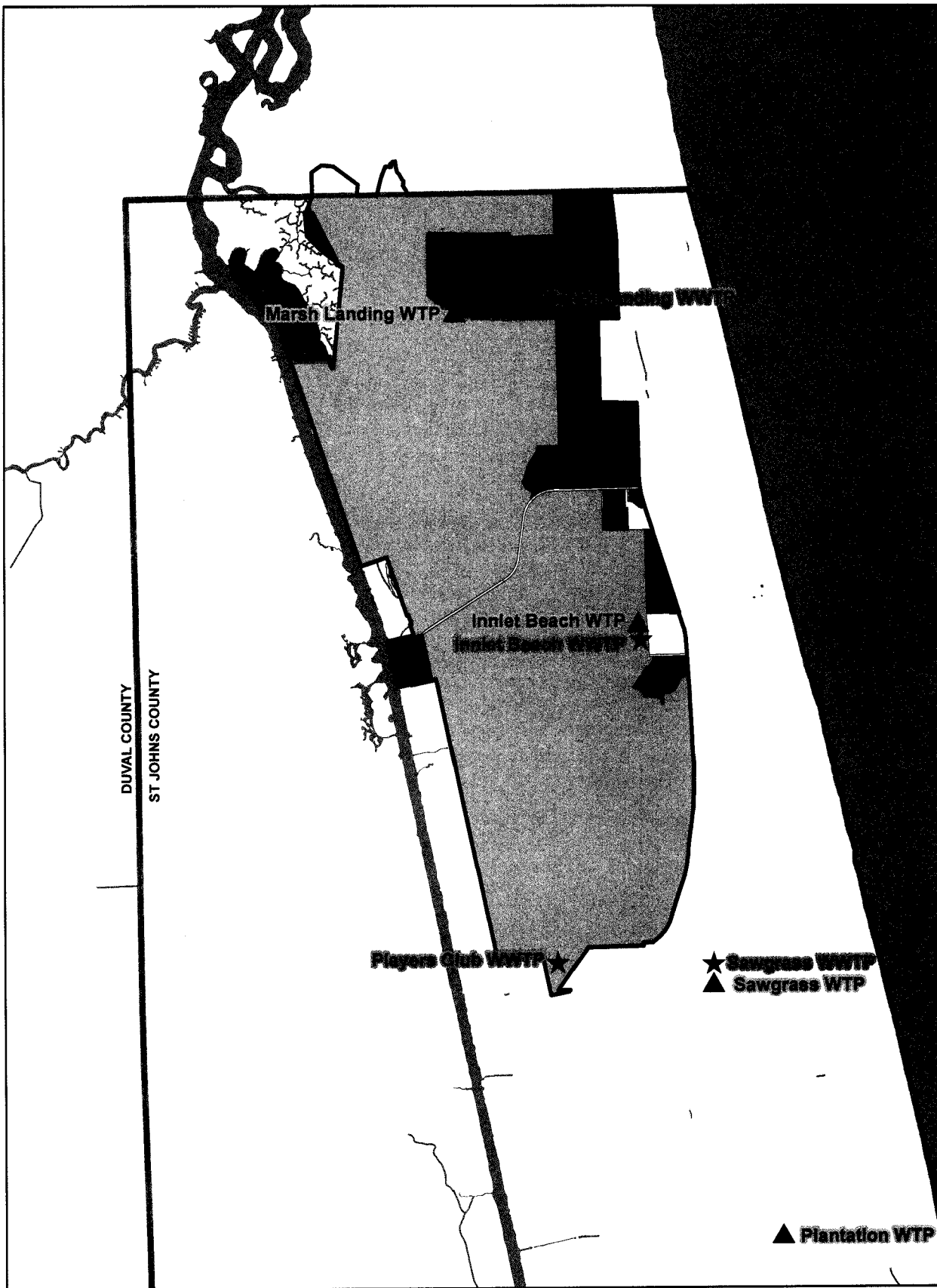
The 2015 Future Land Use in the former St. Johns Service Company Service Area is shown on **Figure 3-1**. Approximately 3,696 acres (79 percent) is zoned for the Caballos Del Mar Development of Regional Impact (DRI), which is primarily residential. The remaining 987 acres are made up primarily of residential lands with 45 acres (1 percent) zoned for public land use and 15 acres (0 percent) for commercial land use. A detailed breakdown of the future land use categories for the former St. Johns Service Company Service Area is presented in **Table 3-1**.

Table 3-1 2015 Future Land Use in St. Johns Service Company Service Area

Land Use Category	Acreage	Percent of Total Area
Caballos Del Mar DRI	3,696	79%
Residential – C (2.0-4.0 units/acre)	370	8%
Residential – D (4.0-8.0 units/acre)	236	5%
Residential – A (0.4-1.0 units/acre)	161	3%
Residential – B (2.0 units/acre)	160	3%
Public	45	1%
Commercial	15	0%
Grand Total	4,683	100%

3.2.1.2 Former Intercoastal Utilities Service Area

The 2015 future land use in the former ICU System is shown on **Figure 3-2**. Approximately 3,516 acres (74 percent) is zoned for Residential B use. Caballos Del Mar Development of Regional Impact (DRI) is a primarily residential development zoned primarily in the St. Johns Service Company service area, just north of the former ICU service area. A small percentage of this development is predicted to occur in the northern portion of the former ICU service area. Total residential area is predicted to fill approximately 4,104 acres (86 percent) of the total land area. The remaining 656 acres (14 percent) are made up primarily of right of way, commercial, and park and recreation. A detailed breakdown of the future land use categories for the former ICU System is presented in **Table 3-2**.



Legend

- ▲ WTP
- ★ WWTP
- St. Johns Company Service Area
- County Boundary
- ~ Creeks
- Water Bodies

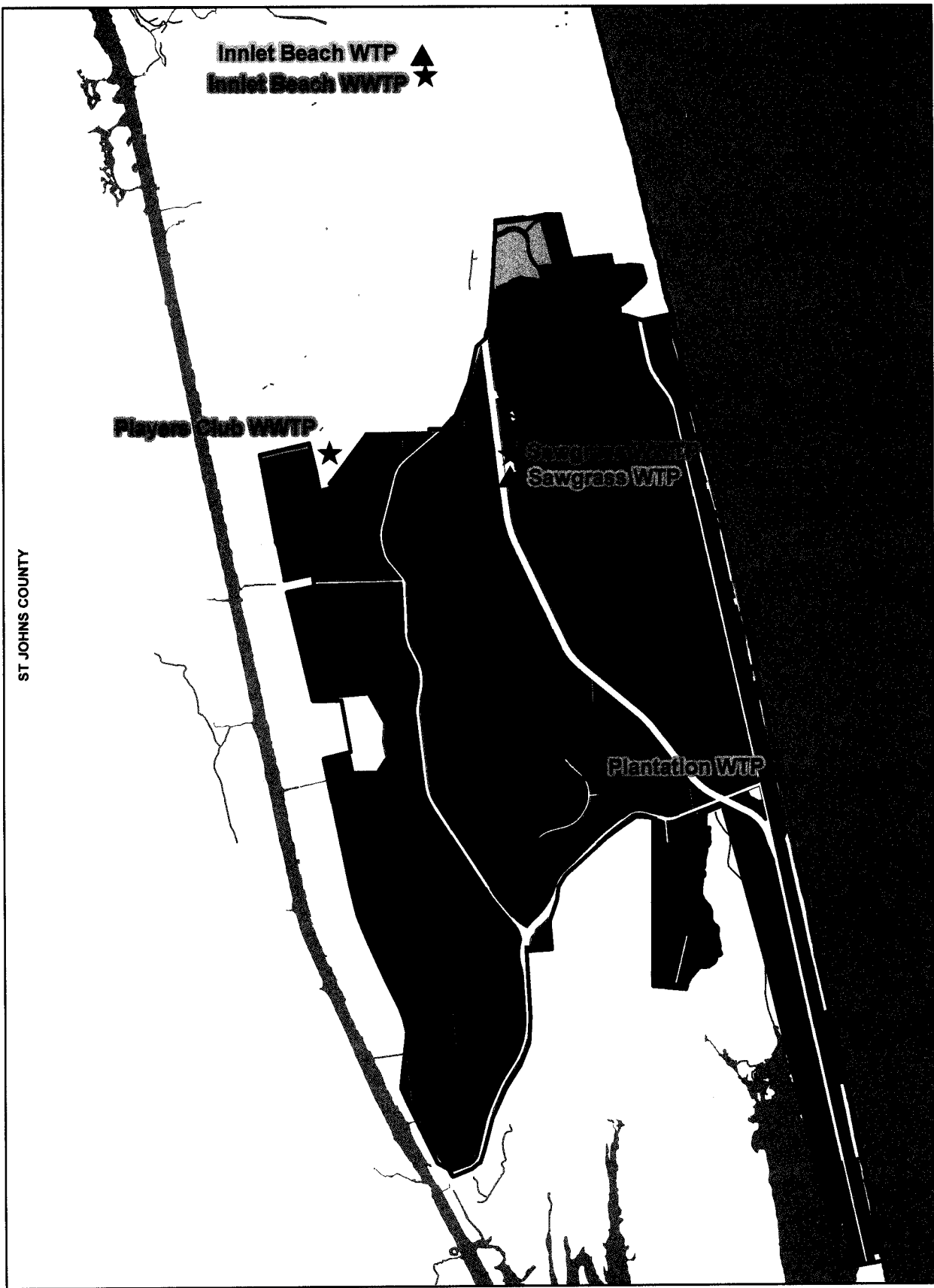
Future Land Use

- CABALLOS DEL MAR DRI
- COMMERCIAL
- PUBLIC
- RESIDENTIAL-A
- RESIDENTIAL-B
- RESIDENTIAL-C
- RESIDENTIAL-D



Figure 3-1
Future Land Use
St. Johns Service Company Service Area

CDM
Smith



Legend

- ▲ WTP
- ★ WWTP
- ▭ Intercoastal Utilities Service Area
- ▭ County Boundary
- ~ Creeks
- Water Bodies



Future Land Use

- | | |
|------------------------|-----------------|
| ■ CABALLOS DEL MAR DRI | ■ RESIDENTIAL-A |
| ■ COMMERCIAL | ■ RESIDENTIAL-B |
| ■ CONSERVATION | ■ RESIDENTIAL-C |
| ■ PARK/RECREATION | ■ RESIDENTIAL-D |
| ■ PUBLIC | |

Figure 3-2
Future Land Use
Intercoastal Utilities Service Area
CDM Smith

Table 3-2 2015 Future Land Use in ICU Service Area

Land Use Category	Acreage	Percent of Total Area
RESIDENTIAL-B	3,516	74%
RIGHT OF WAY	450	9%
RESIDENTIAL-C	438	9%
COMMERCIAL	89	2%
PARK/RECREATION	82	2%
RESIDENTIAL-D	55	1%
RESIDENTIAL-A	49	1%
CABALLOS DEL MAR DRI	46	1%
PUBLIC	34	1%
Grand Total	4,760	100%

3.2.2 Population Projections

The population projections for the planning horizon of 2025 are based on the following assumptions:

- A population of 2.54 persons per connection is estimated.
- No future commercial growth is expected, only residential.

3.2.2.1 Former St. Johns Service Company Service Area

Population projections were based on data provided by St. Johns County and assume full occupancy of the projected housing units. The projected population served by each water treatment plant for the planning horizon is presented in **Table 3-3**.

Table 3-3 Projected Population in the Former St. Johns Service Company Service Area

Year	Estimated Population Served		Total
	Innlet Beach WTP	Marsh Landing WTP	
2015	4,087	6,656	10,743
2020	4,133	7,663	11,796
2025	4,214	8,955	13,169

3.2.2.2 Former Intercoastal Utilities Service Area

Population projections were based on data provided by St. Johns County for the former ICU Service area. **Table 3-4** shows the projected population for the former ICU service area through year 2025.

Table 3-4 Projected Population in the former ICU Service Area

Year	Estimated Population Served
2015	11,955
2020	12,269
2025	12,532

3.3 Potable Water Demand Projections

The flow projections for the planning horizon of 2025 are based on the following assumptions:

- A population of 2.54 persons per connection is estimated.
- No future commercial growth is expected, only residential.
- The SJCUD design standards require that an average daily flow of 350 gallons per day (gpd) per unit be used for single family residential developments, and 300 gpd per unit for multi-family residential developments.
- The service area will remain as currently defined.
- The maximum to average daily flow ratio was assumed to be 2.0 for former St. Johns Service Company service area and 2.5 for the former ICU service area and the peak flow to average daily flow ratio be 3.0 for both areas.

3.3.1 Former St. Johns Service Company Service Area

The flow projections for the former St. Johns Service Company service area are presented in **Table 3-5**.

Table 3-5 Flow Projections for the Former St. Johns Service Company Service Area

Year	ADF (mgd)	MDF (mgd) ^{***}	PHF(mgd)
2015	2.68	5.36	8.04
2020	2.82	5.65	8.47
2025	3.01	6.03	9.04

*** Maximum to average daily flow ratio assumed to be 2.0

3.3.2 Former Intercoastal Utilities Service Area

The flow projections for the former ICU service area are presented in **Table 3-6**.

Table 3-6 Flow Projections for the Former ICU Service Area

Year	ADF (mgd)	MDF (mgd) ^{***}	PHF (mgd)
2015	2.38	5.95	7.14
2020	2.42	6.06	7.27
2025	2.45	6.12	7.34

*** Maximum to average daily flow ratio assumed to be 2.5

Section 4

Development of Alternatives

4.1 General

The alternatives for addressing the current Ponte Vedra Utility System's water system limitations require an evaluation of the raw water system, water treatment pumping system, and the distribution system. The following options were evaluated for each system.

The options that were considered for the raw water system were:

- No action
- Rehabilitation of Well 1 at Innlet Beach WTP
- Installation of a new well at Innlet Beach WTP

The options that were considered for water treatment pumping system were:

- No action at the Marsh Landing and Plantation WTPs
- Replacement of the High Service Pumps at Marsh Landing WTP
- Replacement of the High Service Pumps at Plantation WTP

The options that were considered for the distribution system were:

- No action
- Water Meter Replacement

4.2 Raw Water System

4.2.1 No Action

As presented in Section 2.3, the Innlet Beach Well No. 1 is out of compliance and needs to be rehabilitated or properly abandoned per FDEP requirements. Additionally, the available total wellfield capacity is not sufficient for meeting the peak flow of the water treatment plant with Well IB No. 1 out of service. Therefore, the "No Action" alternative is not viable.

4.2.2 Rehabilitation of Well No 1 at Innlet Beach WTP

In order to determine whether this option was feasible, SJCUD conducted a geophysical and video logging on Well No 1. Based on the review of the geophysical and video logging, several breaches were discovered that could explain the presence of sand in Well No. 1. These findings were reviewed with SJRWMD and it was determined that this well needed to be rehabilitated with a liner or properly abandoned. The rehabilitation of this well will consist of the following:

- Installation of a 12-inch by 8-inch liner in the well.

- Installation of a new pump rated for 1,250 gpm and associated pedestal for the new well to be in compliance with the current FDEP regulations.

This option is feasible and the most economical and was therefore selected for implementation by SJCUD.

4.2.3 Abandonment of Well No 1 and Installation of a New Well at Inlet Beach WTP

This option would require the proper abandonment of Well No. 1 per FDEP requirements and the installation of a new well to meet the peak flow conditions at the Inlet Beach WTP. This option is feasible but was not considered for further evaluation since the cost to implement this option is higher than the cost of implementing the option described in paragraph 4.2.3.

4.3 Water Treatment Pumping System

4.3.1 No Action

As presented in Section 2.3, SJCUD is currently experiencing the following issues with the existing high service pumps at the Marsh Landing and Plantation WTPs:

- Marsh Landing WTP: one of the existing high service pumps is out of service and the other two existing high service pumps operate close to their run out conditions (therefore at a low efficiency). These high service pumps are near the end of their operating life.
- Plantation WTP: These high service pumps are also near the end of their operating life. Pumps No. 3 and 4 are currently not in service and Pump No. 1 cycles on and off frequently. Additionally, these pumps are not equipped with VFDs which increase the power consumption.

If the high service pumps at these two water treatment plants are not upgraded, the FDEP rule 62-555.320 cannot be met; therefore, this option is not viable.

4.3.2 Replacement of the High Service Pumps at Plantation WTP

This project would consist of replacing the existing high service pumps with five new 100 HP high service pumps rated for 1,650 gpm at 139 feet total dynamic head (TDH) to meet the average daily flow, maximum daily flow and peak flows at the Plantation WTP. Variable frequency drives will also be added to four of the pumps to improve system control and increase energy efficiency. This option would also require some significant piping modifications to meet the velocities requirements for the new pumps, some instrumentation as well as some telemetry improvements. There will also be some structural modifications made to the building to accommodate the new and more efficient HVAC system and placement of electrical gear. A new HVAC system will be provided for the building.

This option was selected for implementation as it will allow SJCUD to meet FDEP Rule 62-555.320.

4.3.3 Replacement of the High Service Pumps at Marsh Landing WTP

This project would consist of replacing the three existing high service pumps WTP with two new 75-hp and one new 40-hp high service pumps at the Marsh Landing. The pumps will be replaced with constant speed horizontal centrifugal pumps as summarized in **Table 4-1**. This option will also require some piping and valves modifications, as well as some electrical and instrumentation modifications.

Table 4-1 Marsh Landing WTP Proposed Pump Information

Pump No.	Manufacturer/Model used as Basis of Design	Motor HP	Design Point	Impeller Size
Pump No. 1	Peerless, 5AE14N	40 hp	600 gpm @ 70 psi	13.20 in
Pump No. 2	Peerless, 6AE16G	75 hp	1250 gpm @ 70 psi	14.01 in
Pump No. 3	Peerless, 6AE16G	75 hp	1250 gpm @ 70 psi	14.01 in

This option was selected for implementation as it will allow SJCUD to meet FDEP Rule 62-555.320.

4.4 Distribution System

4.4.1 No Action

As indicated in Section 2.3.2, the percentage of Unaccounted For Water is relatively high in the Ponte Vedra Utilities distribution system: the Unaccounted For Water was estimated at 14% of the water being produced in 2012. Additionally, the existing manual water meters are old and need to be replaced. Therefore, this “No Action” alternative was not deemed viable.

4.4.2 Water Meter Replacement

This option would consist of replacing any meters over the age of four years, or having an old register, with new meter and fixed based automatic meter reading (AMR) technology. The AMR system will include a fixed based system, reading software, custom interface to existing billing software, and onsite installation and training. Each water meter unit will be programmed to function with the fixed based AMR system. The automatic meter readings will reduce the man-hours required or each billing cycle to read the water meters, help SJCUD reduce the Unaccounted For Water and improve overall operational efficiency and reliability. This type of metering system will also enable hourly meter reads such that leak detection is possible, alerting customers to potentially high billings. As a result, this alternative that will save time, energy, and vehicles was selected for implementation.

4.5 Cost Effectiveness

The project costs for the selected alternatives are presented in **Appendix B**. Costs were based on bid tabulations from similar projects and prices obtained from recognized suppliers.

Section 5

The Selected Plan

5.1 Description of Proposed Facilities

This section provides a summary of the projects that were selected for implementation in Section 4. The selected projects are listed below:

- Rehabilitation of Well 1 at Innlet Beach (**Figure 5-1**)
- Replacement of High Service Pumps at the Plantation WTP (**Figure 5-2**)
- Replacement of High Service Pumps at the Marsh Landing WTP (**Figure 5-3**)
- Water Meter Replacement Program

5.1.1 Projects To Maintain Compliance

The following projects need to be implemented to maintain regulatory compliance:

- The Innlet Beach wellfield is composed of four wells (IB-1, IB-2, IB-3, IB-4) drawing water from the UFA. Two are located on the plant property, and the other two are located approximately 2,500 feet north of the plant. Innlet Beach Well No. 1 has been drawing sand due to the presence of holes in the casing and is not currently out of service. This well needs to be rehabilitated to provide enough firm well capacity to service the entire service area and therefore meet FDEP Rule 62-555.315 (1). The cost to implement this project is summarized in Paragraph 5.3.
- The existing high service pumping system at the Marsh Landing WTP has 3 (2 duty and 1 standby) constant speed horizontal centrifugal pumps with a design discharge pressure of approximately 70 psi. These pumps are near the end of their operating life. One of the existing high service pumps is out of service and the other two existing high service pumps operate close to their run out conditions and thus at a low efficiency. These high service pumps need to be replaced to meet the average, maximum and peak flows in the distribution system and therefore meet FDEP Rule 62-555.320. The cost to implement this project is summarized in Paragraph 5.3.
- The existing high service pumps at the Plantation WTP consist of five high service pumps. Pumps No 3 and 4 are not currently in service and Pump No 1 cycles on and off frequently. Additionally, the existing pumps are not equipped with VFDs. These high service pumps need to be replaced to meet the average, maximum and peak flows in the distribution system and therefore meet FDEP Rule 62-555.320. The cost to implement this project is summarized in Paragraph 5.3.

5.1.2 Projects To Conserve Energy

The implementation of the following projects will help SJCUD conserve energy:

- The replacement of approximately 10,000 manual meters in the Ponte Vedra Utility Water Distribution system with radio-frequency meters will allow SJCUD to replace the existing old

meters, reduce the percentage of Unaccounted For Water, and reduce the O&M costs by saving energy and vehicles. The use of radio frequency meters will also enable hourly meter readings to allow for early leak detection and therefore to alert customers to potentially high billings. The capital cost of the project is presented in Section 5.3.

- The addition of VFDs on four of the five high service pumps at the Plantation WTP will also improve system control and increase energy efficiency.

5.2 Environmental Impacts of Proposed Facilities

The short-term impacts during construction include increased noise levels, increased airborne particulates and surface run-off during rainfall on the construction site. Control measures (such as hay bales to control erosion and sedimentation) will be implemented to minimize these temporary effects.

The long-term impacts of these projects are beneficial. The Ponte Vedra Utility System will be able to meet the water demands of its customers.

The proposed projects will not have significant adverse effects on wild and scenic rivers or on flora, fauna, threatened and endangered plant and animal species, prime agricultural lands, wetlands, undisturbed natural areas, or the socio-economic character of the area.

5.3 Cost of Proposed Facilities

A detailed breakdown of the construction costs is given in **Appendix B**. The project construction costs for the projects selected for implementation are summarized in **Table 5-1**.

Table 5-1 Project Construction Costs

Project	Location	Fiscal Year	Construction Cost
Well #1 Rehabilitation	Innlet Beach WTP	2013	\$170,000
HSP Replacement	Marsh Landing WTP	2013	\$300,000
HSP replacement and VFD addition	Plantation WTP	2013	\$680,000
Water Meter Replacement	Water Distribution System	2013	\$4,180,000
Subtotal			\$5,330,000
Contingency (10%)			\$533,000
Total Construction Costs			\$5,863,000

5.4 Consistency with Comprehensive Plan

The recommendations resulting from this study are consistent with the water master plan that was developed by St. Johns County.

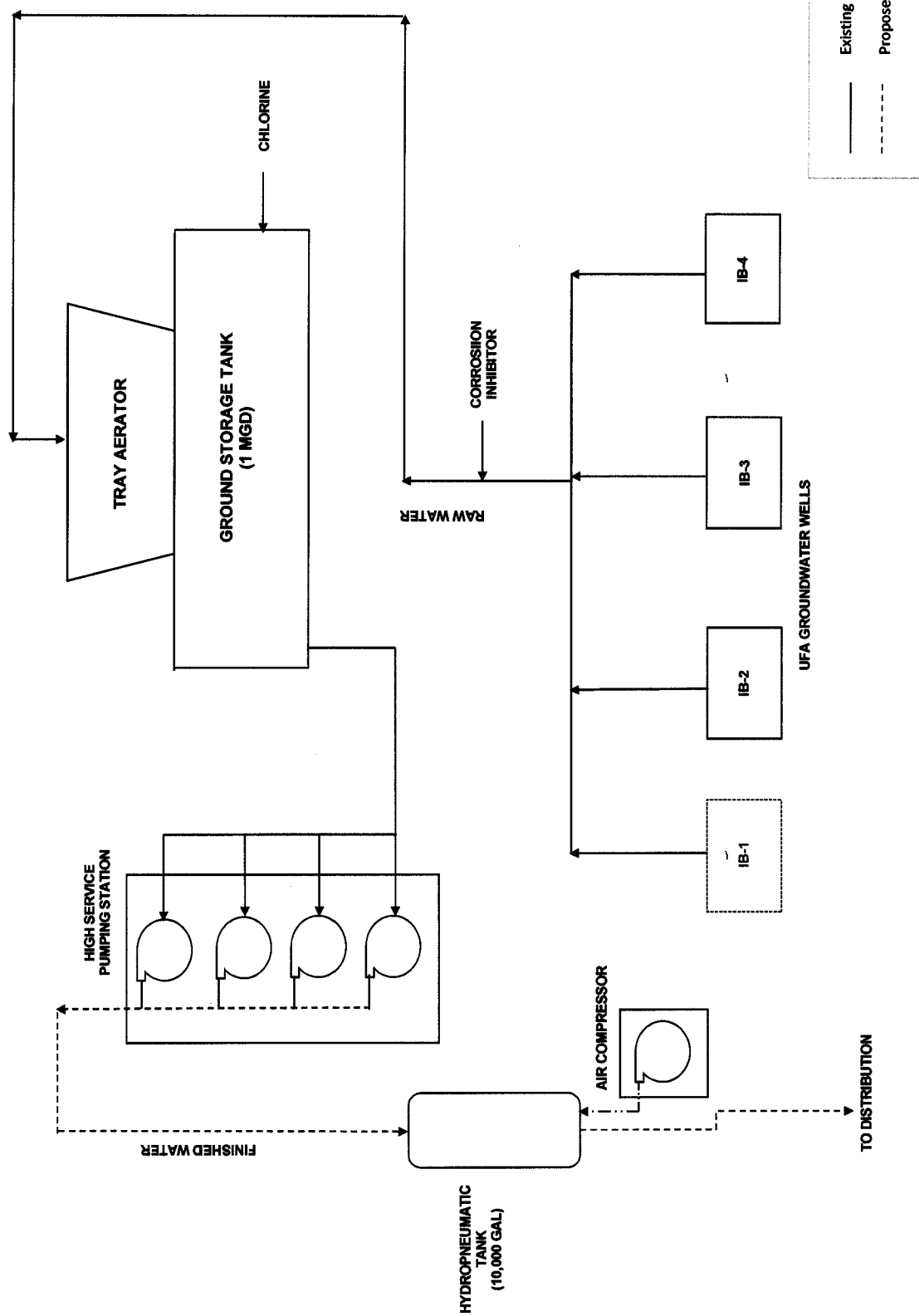


Figure 5-1
 Innlet Beach WTP Process Schematic

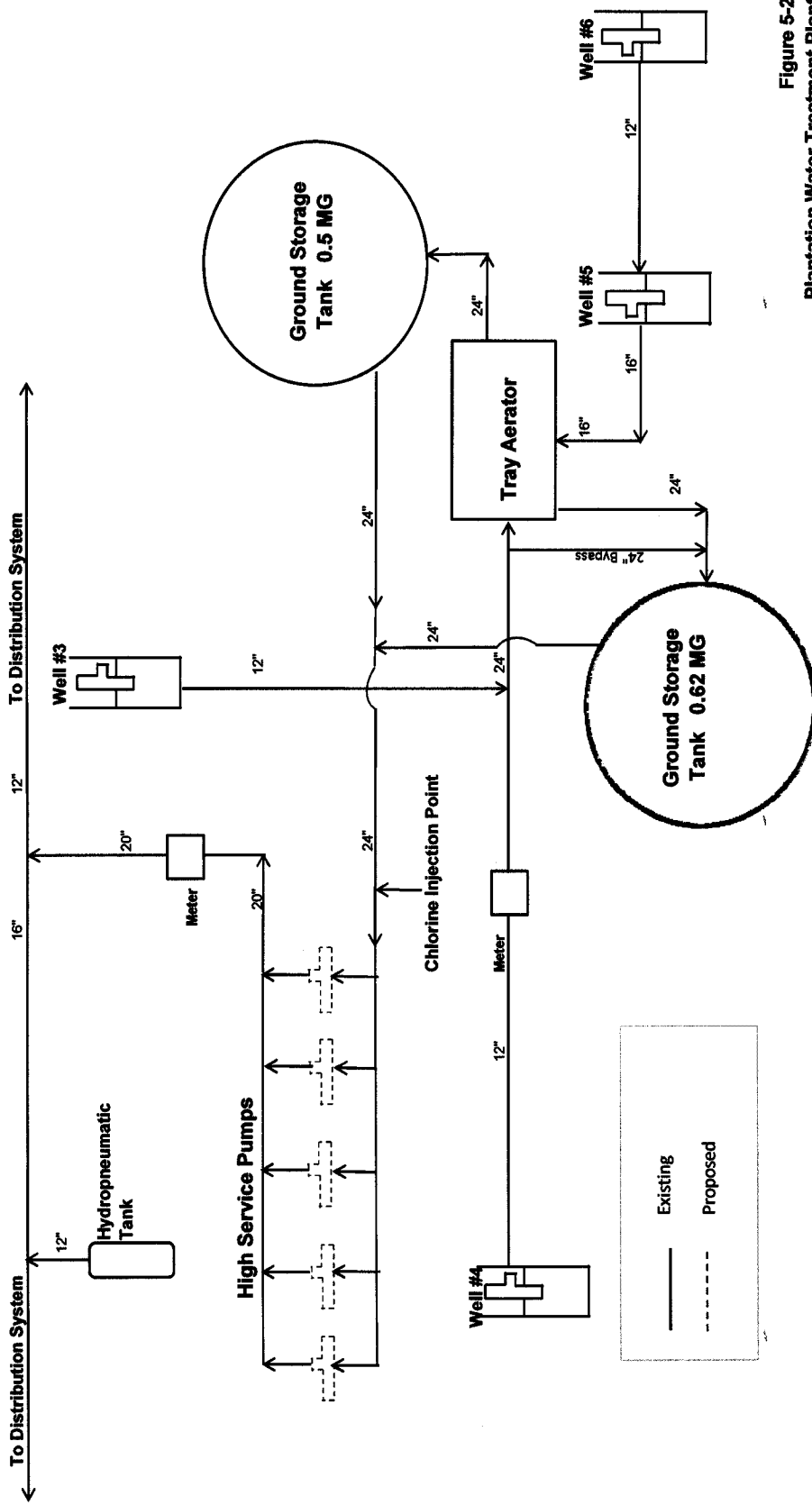


Figure 5-2
Plantation Water Treatment Plant
Process Flow Diagram

—	Existing
- - -	Proposed

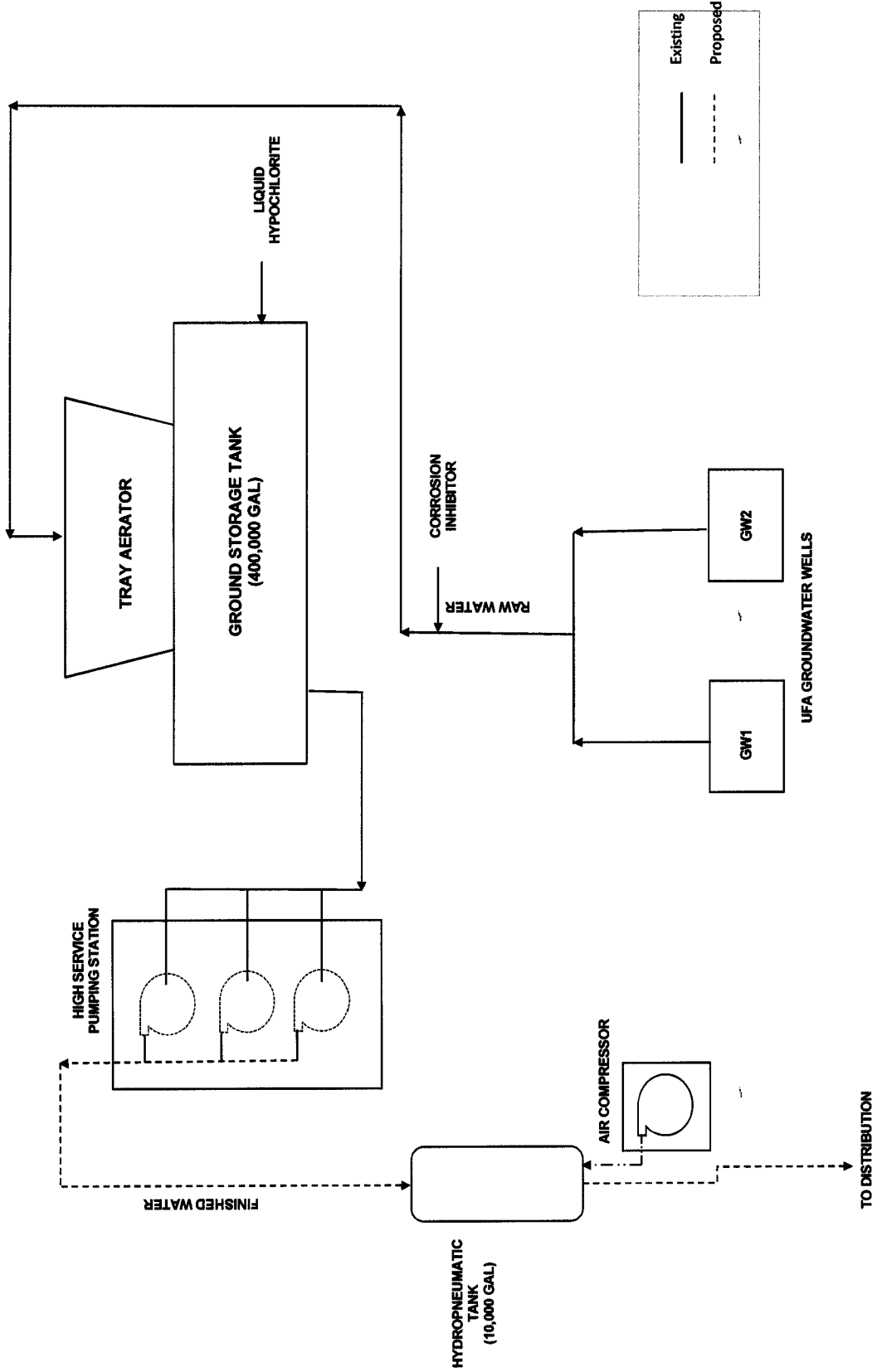


Figure 5-3
Marsh Landing Water Treatment Plant
Process Schematic

Section 6

Implementation and Compliance

6.1 Public Hearing/Dedicated Revenue Hearing

A public hearing/dedicated revenue hearing will be held at St. Johns County Administrative Offices on January 15, 2013 at the regularly scheduled meeting beginning at 9:00 am after advertising in the area newspapers. Interested parties will be individually notified of the hearing. Records of the public notice and this plan will be made available in the St. Johns County Utility Department office.

6.2 Regulatory Agency Review

As part of the review process for this plan and in order to qualify for a subsidized SRF loan, various governmental agencies must approve the manner in which the County will implement the plan. Agencies that will have the opportunity to review and comment on the plan include:

- Florida Department of Environmental Protection
- Northeast Florida Regional Planning Council
- St. Johns River Water Management District
- Office of the Governor's State Clearinghouse

6.3 Financial Planning

6.3.1 Proposed Project Costs

The scope of this financing plan includes the planned water improvements for a total construction cost of approximately \$5.9M in 2012 dollars including a 10 percent contingency as shown in **Table 6-1** and a total program cost including engineering, program management, legal, and administration of \$6.8M as shown in **Table 6-2**. The recommended financial plan funds a portion of the water system CIP improvements with a SRF loan.

Table 6-1 Proposed Project Costs and Funding Sources

Project Description	Phased Construction Program Costs	Subtotal Construction Costs	Funding Source
Innlet Beach WTP – Well #1 Rehab	\$170,000		
Marsh Landing WTP – HSPS Repl.	\$300,000		
Plantation WTP – HSP Repl. and VFD Addition	\$680,000		
Water Meter Replacement	\$4,180,000		
Total – Construction Costs		\$5,330,000	State Revolving Fund (SRF)
Total – Construction Costs with 10% Contingency		\$5,863,000	State Revolving Fund (SRF)

6.3.2 Financing Plan Model

The Financing Plan was determined using a spreadsheet model. The model projected customer user fees for the financing scenario. Debt service was added to show financing projects with either SRF funding or revenue bonds.

6.3.2.1 Assumptions

Financial

Financial assumptions including the following:

- Debt terms (SRF) – 20 year; 2.54% interest rate; 2% issuance cost
- Debt terms (Revenue Bonds) – 20 year; 4.5% interest rate; 2% issuance cost
- Customer base – assumed 0.29% increase in single-family customers and no increase for other customer classes.

Table 6-2 presents the comparison of SRF funding versus revenue bond financing.

Table 6-2 Comparison of SRF Funding vs. Conventional Revenue Bond Financing

	With SRF Funds	With Revenue Bonds
Construction and Contingency Costs	\$5,863,000	\$5,863,000
Technical Services ^a	469,000	469,000
Administration and Engineering Design ^b	443,000	443,000
Subtotal	\$6,775,000	\$6,775,000
Finance Costs - SRF and Revenue Bonds (2%) ^c	136,000	136,000
Subtotal	\$6,911,000	\$6,911,000
Capitalized Interest ^d	176,000	-
Principal Loan/Bond	\$7,087,000	\$6,911,000
Annual Debt Service ^e	\$454,100	\$531,300

^a Technical service estimated at 8 percent of Construction & Contingency Costs.

^b Administration costs equal 0.6 percent of Construction & Contingency Costs and Engineering Design equals 6.4 percent of Construction and Contingency Costs.

^c Finance costs equal 2 percent of above subtotal.

^d Capitalized interest equal to one-half of two year construction period times 2.54 percent interest.

^e Annual Debt Service for SRF based on 20 years at 2.54 percent interest and Revenue Bond based on 20 years at 4.5 percent interest.

Table 6-3 presents the impact of the SRF loans and revenue bonds on the customer base, in terms of the cost per equivalent residential connection (ERC) per year. There is no rate increase needed for the projected debt service.

Table 6-3 Annual Cost of Selected Plan with SRF & Revenue Bond Financing

	With SRF Funds	With Revenue Bonds
Annual Debt Service ^a	\$454,100	\$531,300
Residential Percent ^b	79.00%	79.00%
Residential Share of Debt Service	\$358,739	\$419,727
Residential ERCs ^c	10,490	10,490
Annual Cost per ERC	\$34.20	\$40.01

a Taken from Table 6-2.

b The residential percent equals the residential ERCs (10,490) divided by system ERCs (13,279).

c Residential ERCs are estimated for the water system for FY 2013.

Table 6-4 presents a financial analysis of the water system and the overall impact of the improvements and identifies total water system costs and the resulting net revenue through 2017. With no rate increases and conservative customer increases, the existing water rates will provide for the existing revenue bond debt and SRF loan coverage through 2017.

Table 6-4 Summary of Water System Revenue and Expenses

	Actual FY2010	Actual FY2011	Actual FY 2012	Budget FY 2013	Projected FY 2014	FY 2015	FY 2016	FY 2017
Operating Revenues								
Water Rates ^a	\$5,592,488	\$6,463,050	\$6,022,083	\$6,995,500	\$7,010,500	\$7,025,400	\$7,041,000	\$7,056,600
Fire Protection								
Other Fees and Charges ^b	47,164	69,491	69,290	-	-	-	-	-
Water Meter Tap Fees ^b	23,914	12,057	12,283	-	-	-	-	-
Other ^b	2,372	1,103	1,043	-	-	-	-	-
Total Operating Revenues	\$5,665,938	\$6,545,700	\$6,104,698	\$6,995,500	\$7,010,500	\$7,025,400	\$7,041,000	\$7,056,600
Non-Operating Revenues								
Interest Income ^b	49,829	28,214	24,787	10,700	11,100	11,400	11,800	12,200
Equity Contributions ^b	22,288	19,226	33,546	-	-	-	-	-
Total Non-Operating Revenues	\$72,117	\$47,440	\$58,333	\$10,700	\$11,100	\$11,400	\$11,800	\$12,200
Operating Expenses^c	\$1,986,271	\$2,100,365	\$1,985,960	\$2,457,500	\$2,539,000	\$2,623,200	\$2,710,300	\$2,800,200
Net Revenue	\$3,751,784	\$4,492,775	\$4,177,070	\$4,548,700	\$4,482,600	\$4,413,600	\$4,342,500	\$4,268,600
Debt Service								
Series 2006 ^d	\$1,125,600	\$1,126,700	\$1,211,300	\$1,209,500	\$1,211,000	\$1,211,400	\$1,208,500	\$1,209,500
Series 2007 ^d	854,000	854,000	1,004,000	1,119,200	1,278,000	1,275,500	1,278,400	1,277,400
SRF Loan ^e							454,100	454,100
Total Debt Service	\$1,979,600	\$1,980,700	\$2,215,300	\$2,328,700	\$2,489,000	\$2,486,900	\$2,941,000	\$2,941,000
Capital Expenses^f	549,551	2,030	866,593	7,448,250	365,000	222,500	185,000	25,000
G&M Equipment	22,641	438,753	75,405	73,500	76,800	80,200	83,800	87,600
Transfer to R&R Fund ^g	280,000	217,500	230,000	344,200	344,200	350,300	351,100	351,800
SRF Loans ^h				(6,775,100)				
Unrestricted Reservesⁱ	(22,641)	(438,753)	(442,432)	(353,450)	(191,600)	(116,800)	(97,100)	(13,100)
Bond Proceeds or R/R Funding^j	(549,551)	(2,030)	(424,161)	(319,700)	(173,400)	(105,700)	(87,900)	(11,900)
Water System Capital Required from User Fee Rates^k	\$280,000	\$217,500	\$305,405	\$417,700	\$421,000	\$430,500	\$434,900	\$439,400
Annual Cash Surplus (Deficit)	\$1,492,184	\$2,294,575	\$1,656,365	\$1,802,300	\$1,572,600	\$1,496,200	\$966,600	\$888,200

^aWater Rate revenue projections are increased by 0.2% from FY 2013 per Raftelis rate study.

^bInterest revenue is projected to increase per Raftelis rate study.

^cOperating expenses were increased from FY 2013 Raftelis Rate Study.

^dDebt Service payments were taken from the Raftelis rate study, with the water system 60% of the total.

^eThe SRF loan payment is based on the amount borrowed of \$7,087,000 financed at 2.54% for 20 years.

^fCapital expenses for Fiscal Years 2010 through 2012 are based on actual expenditures. Projections are based on Raftelis rate study.

^gThe transfer to the R&R Fund is based on 5 the Raftelis Rate Study.

^hThe estimated construction plus engineering costs for the 2013 SRF loan, rounded to two digits.

ⁱThe amount capital expenses funded by unrestricted reserves and bond proceeds is per the actual amounts for Fiscal Years 2010, 2011 and 2012.

^jThe amount from user fee rates is the balance of capital expenses not funded elsewhere.

6.4 Implementation

St. Johns County Utility Department has the sole responsibility and authority to implement the recommended facilities. There are no inter-local agreements necessary for the County to provide drinking water services throughout the planning area.

6.5 Implementation Schedule

The estimated project schedule for the construction and planning activities of the SRF funding of the drinking water funding is presented in **Table 6-5**. Construction of these improvements is anticipated to commence by June 2013.

Table 6-5 Construction Loan Schedule

Task	Date
Facilities Plan and Capital Finance Plan Completed	January 2013
Public Hearing to be Scheduled and Held by County Commission	January 15, 2013
DEP Review, Planning Document Approved	March 2013
Design	January 2013
Bid Date	April 2013
Construction Start	June 2013
Substantial Completion	June 2015

Appendix A

Archeological Information



This record search is for informational purposes only and does NOT constitute a project review. This search only identifies resources recorded at the Florida Master Site File and does NOT provide project approval from the Division of Historical Resources. Contact the Compliance and Review Section of the Division of Historical Resources at 850-245-6333 for project review information.

November 6, 2012



Kasey Ritter
8659 Baypine Road, Ste. 200
Jacksonville, FL 32256
Phone: 904.731.7109
Email: RitterKC@cdm.com

In response to your inquiry of November 6, 2012, the Florida Master Site File lists six previously recorded archaeological sites, one resource group, and 85 standing structures found in the following sections of St. Johns County:

T03S R29E Sections 8, 16, 17, 18, 19, 20, 21, 22, 27, 28, 34, 35, 39, 40, 41, 42, 44, 46, 47, 49, 50, 51, 52, 71, 72, 73, & 91

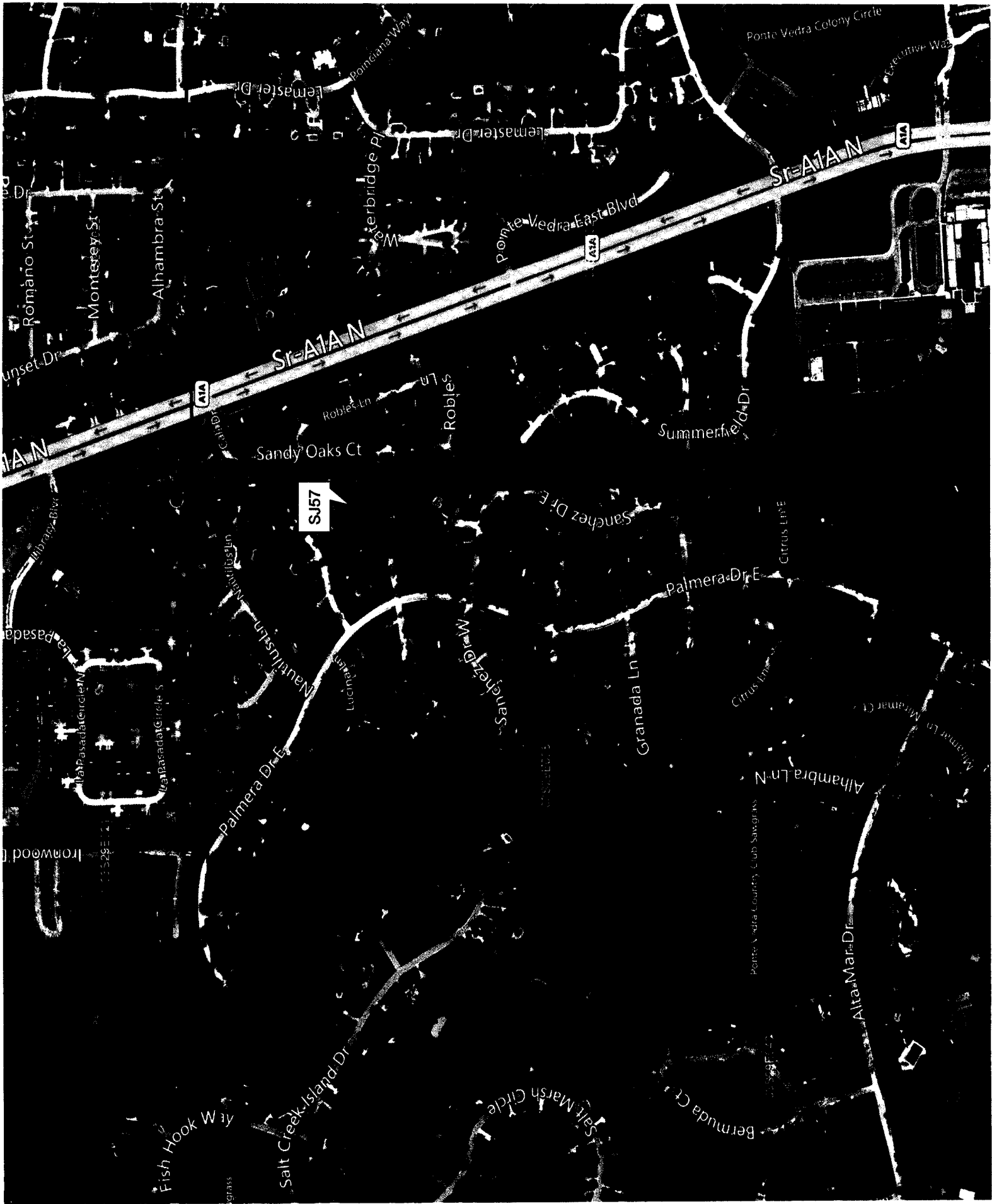
When interpreting the results of our search, please consider the following information:

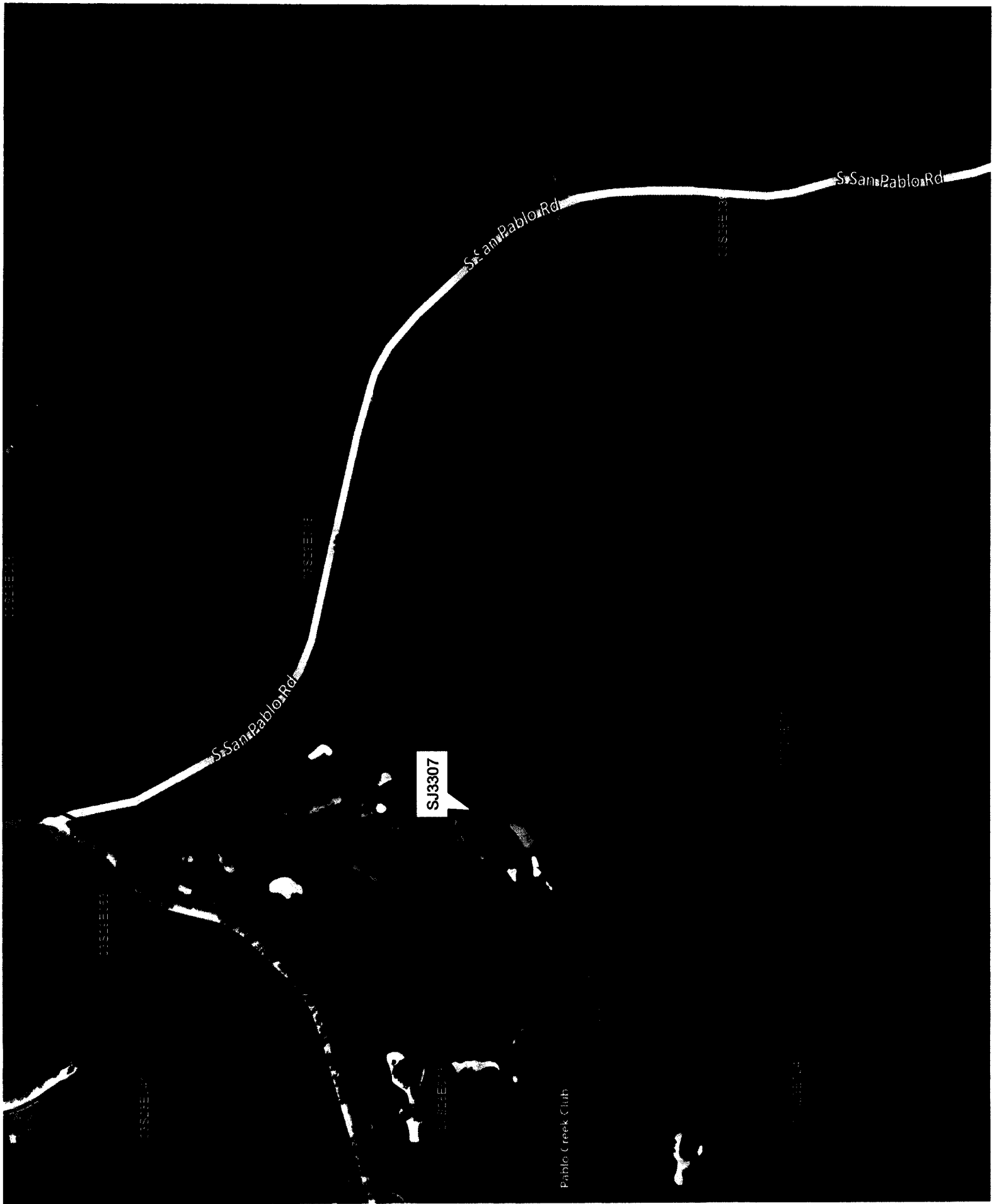
- **This search area may contain *unrecorded* archaeological sites, historical structures or other resources even if previously surveyed for cultural resources.**
- **Because vandalism and looting are common at Florida sites, we ask that you limit the distribution of location information on archaeological sites.**
- **While many of our records document historically significant resources, the documentation of a resource at the Florida Master Site File does not necessarily mean the resource is historically significant.**
- **Federal, state and local laws require formal environmental review for most projects. This search DOES NOT constitute such a review. If your project falls under these laws, you should contact the Compliance and Review Section of the Division of Historical Resources at 850-245-6333.**

Please do not hesitate to contact us if you have any questions regarding the results of this search.

Sincerely,

Sarah Liko
Archaeological Data Analyst
Florida Master Site File
Sarah.Liko@DOS.MyFlorida.com





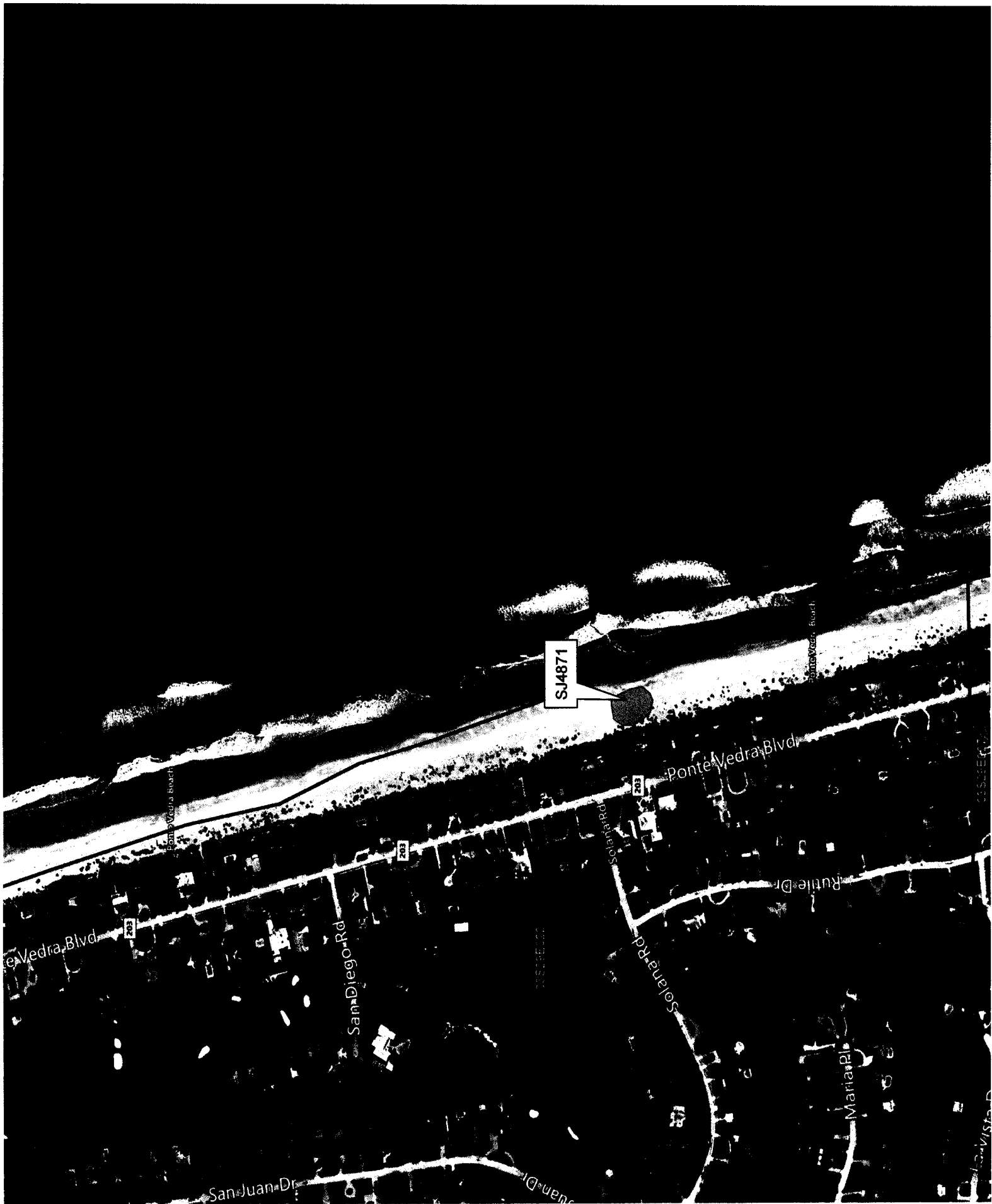
SJ3307

San Pablo Rd

San Pablo Rd

San Pablo Rd

Pablo Creek Club







Cultural Resource Roster

SiteID	Type	Site Name	Address	Additional Info	SHPO Eval	NR Status
SJ00001	AR	PONTE VEDRA BEACH				
SJ00055	AR	A S ANDERSON				
SJ00057	AR	FLETCHER				
SJ03302	SS	5720 DEWEY	5720 DEWEY, JACKSONVILLE BEACH	c1950 Frame Vernacular	Not Eligible	
SJ03303	SS	DEWEY 1	JACKSONVILLE BEACH	c1950 Frame Vernacular	Not Eligible	
SJ03304	SS	DEWEY 2	JACKSONVILLE BEACH	c1950 Frame Vernacular	Not Eligible	
SJ03305	SS	DEWEY 3	JACKSONVILLE BEACH	c1900 Frame Vernacular	Not Eligible	
SJ03306	SS	5730 DEWEY	5730 DEWEY, JACKSONVILLE BEACH	c1950 Frame Vernacular	Not Eligible	
SJ03307	AR	DEWEY	JACKSONVILLE BEACH			
SJ03788	SS	313 SAN JUAN DRIVE		c1951 Masonry Vernacular		
SJ03789	SS	321 SAN JUAN DRIVE		c1947 Masonry Vernacular		
SJ03790	SS	333 SAN JUAN DRIVE		c1949 Masonry Vernacular		
SJ03791	SS	335 SAN JUAN DRIVE		c1951 Masonry Vernacular		
SJ03792	SS	337 SAN JUAN DRIVE		c1950 Masonry Vernacular		
SJ03793	SS	345 SAN JUAN DRIVE		c1953 Masonry Vernacular		
SJ03795	SS	305 PONTE VEDRA BOULEVARD		c1938 Colonial Revival		
SJ03796	SS	307 PONTE VEDRA BOULEVARD		c1940 Colonial Revival		
SJ03797	SS	309 PONTE VEDRA BOULEVARD		c1940 Frame Vernacular		
SJ03798	SS	311 PONTE VEDRA BOULEVARD		c1940 Masonry Vernacular		
SJ03799	SS	313 PONTE VEDRA BOULEVARD		c1934 Frame Vernacular		
SJ03800	SS	315 PONTE VEDRA BOULEVARD		c1935 Frame Vernacular		
SJ03801	SS	317 PONTE VEDRA BOULEVARD		c1935 Frame Vernacular		
SJ03802	SS	319 PONTE VEDRA BOULEVARD		c1940 Mediterranean Revival		
SJ03803	SS	321 PONTE VEDRA BOULEVARD		c1935 Frame Vernacular		
SJ03804	SS	325 PONTE VEDRA BOULEVARD		c1940 Colonial Revival		
SJ03805	SS	326 PONTE VEDRA BOULEVARD		c1940 Colonial Revival		
SJ03806	SS	328 PONTE VEDRA BOULEVARD		c1940 Colonial Revival		
SJ03807	SS	329 PONTE VEDRA BOULEVARD		c1940 Bungalow		
SJ03808	SS	330 PONTE VEDRA BOULEVARD		c1940 Colonial Revival		
SJ03809	SS	335 PONTE VEDRA BOULEVARD		c1940 Colonial Revival		
SJ03810	SS	337 PONTE VEDRA BOULEVARD		c1940 Colonial Revival		
SJ03811	SS	336 PONTE VEDRA BOULEVARD		c1935 Split Level		
SJ03812	SS	340 PONTE VEDRA BOULEVARD		c1953 Ranch		
SJ03813	SS	343 PONTE VEDRA BOULEVARD		c1950 Monterey		
SJ03814	SS	350 PONTE VEDRA BOULEVARD		c1940 Colonial Revival		
SJ03815	SS	351 PONTE VEDRA BOULEVARD		c1938 Colonial Revival		
SJ03816	SS	401 PONTE VEDRA BOULEVARD		c1937 Colonial Revival		
SJ03817	SS	314 PONTE VEDRA BOULEVARD		c1939 Colonial Revival		
SJ03818	SS	422 PONTE VEDRA BOULEVARD		c1950 Masonry Vernacular		
SJ03819	SS	416 PONTE VEDRA BOULEVARD		c1938 Monterey		
SJ03820	SS	404 PONTE VEDRA BOULEVARD		c1940 Monterey		
SJ03821	SS	405 PONTE VEDRA BOULEVARD		c1937 Frame Vernacular		
SJ03822	SS	407 PONTE VEDRA BOULEVARD		c1937 Colonial Revival		
SJ03823	SS	411 PONTE VEDRA BOULEVARD		c1937 Frame Vernacular		

SiteID	Type	Site Name	Address	Additional Info	SHPO Eval	NR Status
SJ03824	SS	413 PONTE VEDRA BOULEVARD		c1935 Frame Vernacular		
SJ03825	SS	415 PONTE VEDRA BOULEVARD		c1935 Frame Vernacular		
SJ03826	SS	417 PONTE VEDRA BOULEVARD		c1935 Frame Vernacular		
SJ03827	SS	419 PONTE VEDRA BOULEVARD		c1935 Masonry Vernacular		
SJ03828	SS	503 PONTE VEDRA BOULEVARD		c1935 Frame Vernacular		
SJ03830	SS	501 PONTE VEDRA BOULEVARD		c1935 Craftsman		
SJ03831	SS	502 PONTE VEDRA BOULEVARD		c1942 Masonry Vernacular		
SJ03832	SS	504 PONTE VEDRA BOULEVARD		c1942 Frame Vernacular		
SJ03833	SS	505 PONTE VEDRA BOULEVARD		c1935 Frame Vernacular		
SJ03834	SS	506 PONTE VEDRA BOULEVARD		c1930 Frame Vernacular		
SJ03835	SS	508 PONTE VEDRA BOULEVARD		c1930 Craftsman		
SJ03836	SS	510 PONTE VEDRA BOULEVARD		c1930 Frame Vernacular		
SJ03837	SS	511 PONTE VEDRA BOULEVARD		c1942 Craftsman		
SJ03838	SS	513 PONTE VEDRA BOULEVARD		c1935 Colonial Revival		
SJ03839	SS	514 PONTE VEDRA BOULEVARD		c1939 Minimal Traditional		
SJ03840	SS	516 PONTE VEDRA BOULEVARD		c1930 Frame Vernacular		
SJ03841	SS	515 PONTE VEDRA BOULEVARD		c1935 Monterey		
SJ03842	SS	519 PONTE VEDRA BOULEVARD		c1935 Masonry Vernacular		
SJ03843	SS	521 PONTE VEDRA BOULEVARD		c1935 Colonial Revival		
SJ03844	SS	525 PONTE VEDRA BOULEVARD		c1935 Frame Vernacular		
SJ03845	SS	527 PONTE VEDRA BOULEVARD		c1935 Frame Vernacular		
SJ03846	SS	529 PONTE VEDRA BOULEVARD		c1934 Colonial Revival		
SJ03847	SS	531 PONTE VEDRA BOULEVARD		c1935 Frame Vernacular		
SJ03848	SS	533 PONTE VEDRA BOULEVARD		c1940 Frame Vernacular		
SJ03849	SS	535 PONTE VEDRA BOULEVARD		c1940 Frame Vernacular		
SJ03850	SS	541 PONTE VEDRA BOULEVARD		c1950 Masonry Vernacular		
SJ03851	SS	545 PONTE VEDRA BOULEVARD		c1953 Ranch		
SJ03852	SS	548 PONTE VEDRA BOULEVARD		c1950 Masonry Vernacular		
SJ03853	SS	547 PONTE VEDRA BOULEVARD		c1941 Colonial Revival		
SJ03854	SS	551 PONTE VEDRA BOULEVARD		c1948 Frame Vernacular		
SJ03855	SS	553 PONTE VEDRA BOULEVARD		c1950 Masonry Vernacular		
SJ03856	SS	554 PONTE VEDRA BOULEVARD		c1952 Masonry Vernacular		
SJ03857	SS	562 PONTE VEDRA BOULEVARD		c1948 Masonry Vernacular		
SJ03858	SS	567 PONTE VEDRA BOULEVARD		c1949 Masonry Vernacular		
SJ03859	SS	423 PONTE VEDRA BOULEVARD		c1935 Frame Vernacular		
SJ03860	SS	9 SOLANA ROAD		c1952 Neo-Classical Revival		
SJ03861	SS	400 SAN JUAN DRIVE		c1951 Masonry Vernacular		
SJ03862	SS	504 MORNING SIDE DRIVE		c1953 Frame Vernacular		
SJ03863	SS	36 SOLANA ROAD		c1950 Masonry Vernacular		
SJ03864	SS	360 SAN JUAN DRIVE		c1950 Masonry Vernacular		
SJ03865	SS	359 SAN JUAN DRIVE		c1950 Masonry Vernacular		
SJ03866	SS	36 FRANKLIN AVENUE		c1950 Masonry Vernacular		
SJ03867	SS	283 NORTH ROSCOE BOULEVARD		c1950 Frame Vernacular		
SJ04750	SS	412 PONTE VEDRA BOULEVARD		c1941 Frame Vernacular		
SJ04871	AR	PONTE VEDRA WRECK	PONTE VEDRA BEACH	c1940 Colonial Revival		
SJ05270	RG	County Road 210	Ponte Vedra	Linear Resource - 1 Contrib Resources		Not Eligible
SJ05288	SS	299 North Roscoe Blvd.	299 N Roscoe Blvd, Ponte Vedra	1955 Masonry Vernacular		
SJ05562	AR	Ponte Vedra Lodge & Club Piliings	Ponte Vedra Beach			



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November 6, 2012



Kasey Ritter, P.E., Project Engineer
CDM Smith
8381 Dix Ellis Trail, Suite 400
Jacksonville, FL 32256
Tel 904.527.6751
Fax 904.519.7090 |
E-mail: ritterkc@cdmsmith.com

In response to your inquiry of November 6, 2012, the Florida Master Site File lists eleven archeological sites, one bridge, two cemeteries, three resource groups and thirty three standing structures found in the following parcels of St. Jones County:

The portion of T04S R29E Sections 002-004; 009-011; 014-016; 022-026; 038-049; 051-054; 070-074

When interpreting the results of our search, please consider the following information:

- This search area may contain *unrecorded* archaeological sites, historical structures or other resources even if previously surveyed for cultural resources.
- Because vandalism and looting are common at Florida sites, we ask that you limit the distribution of location information on archaeological sites.
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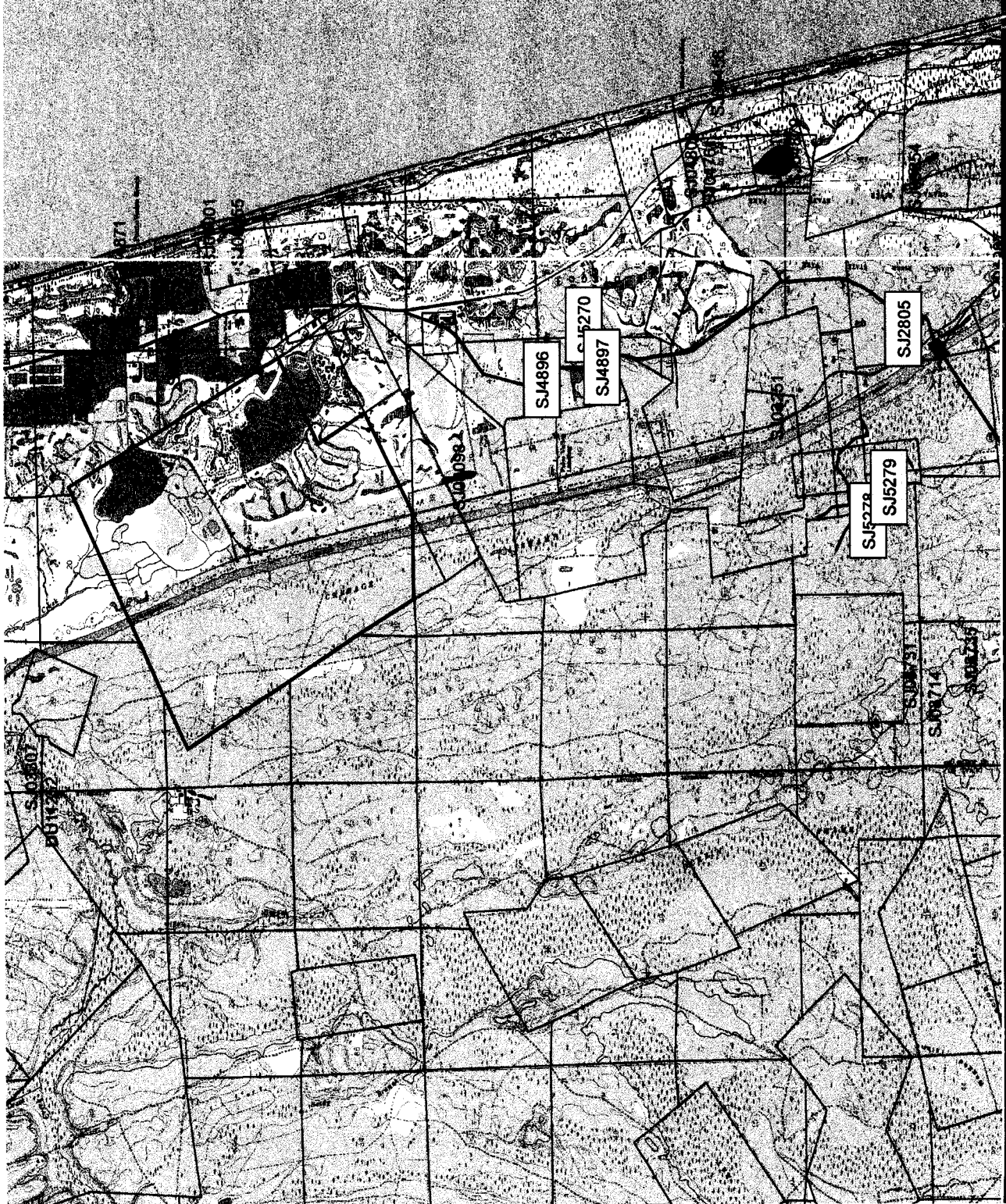
Please do not hesitate to contact us if you have any questions regarding the results of this search.

Sincerely,

Eman M. Vovsi
Historical Data Analyst
Florida Master Site File

EMVovsi@DOS.MyFlorida.com

ATLANTIC OCEAN



Twentymile

CULTURAL RESOURCES REPORT

SITEID	FORMNO	T-R-S	CR	SITENAME	NRLIST SURVEY	LOCATION	OTHER
SJ00001	195206	03S/29E/27	AR	PONTE VEDRA BEACH	Map: MICK		
SJ00014	200110	04S/29E/47	AR	MABRY MOUND	Eligib 6332	Map: MICK	Culture: ORAM, SJ2, STAU Sitetype: MDSH
SJ00054	MELD	04S/29E/74	AR	NECK ROAD	Map: MICK		Culture: BRIT, DEPT, SJ, SWF Sitetype: HABI, LAND, MDSH, MOUN, PLAN Culture: 19TH, AMER, SPN, SPN2 Sitetype: UNKN
SJ00055	197104	03S/29E/27	AR	A S ANDERSON	Map: MICK		Culture: SWF Sitetype: MIDD
SJ00098	MELD	04S/29E/38	AR	TURKEY FEATHER	259	Map: PLMV	Culture: PREH Sitetype: MDSH
SJ02559	198508	04S/29E/56	AR	NN	Map: SPVB		Culture: STAU Sitetype: MDSH
SJ02805	198509	04S/29E/28	BR	MICKLER PALM VALLEY BRIDGE	Eligib 3397	S.R. 210/INTRACOASTAL WATERWAY	FDOT nbr: 780080 Built: C1920
SJ04761	200403	04S/29E/46	AR	MICKLER PUD	9752	Map: MICK	Culture: SWF Sitetype: MIDD, SCCE
SJ04803	200604	04S/29E/46	AR	SHELL EDGE	13067	Map: MICK	Culture: ORAM, OTHR, PREA, PREC, SJ2, SW Sitetype: HABI, LAND, MDSH, SCAR
SJ04879	200110	04S/29E/74	AR	MOUNT PLEASANT PLANTATION	6585	Map: MICK	Culture: BRIT Sitetype: HEAR, LAND, OTHR, PLAN
SJ04896	200405	04S/29E/9	CM	DEGROVE FAMILY GRAVEYARD	10711	City:	Condition: WLMT
SJ04897	200405	04S/29E/9	CM	PONTE VEDRA VALLEY CEMETERY	10711	City: PONTE VEDRA BEACH	Condition: WLMT
SJ04987	200508	04S/29E/54	AR	CATTLE DIP	Map: PLMV		Culture: HIST Sitetype: LAND
SJ05270	200902	04S/29E/9	RG	CR 210/PALM VALLEY ROAD/PABLO ROAD	18497	City: PONTE VEDRA	RG Type: LINE, # Contrib Resources: 1
SJ05278	200611	04S/29E/20	RG	ESI ROAD 2	15749	City: PALM VALLEY	RG Type: LINE, # Contrib Resources:
SJ05279	200611	04S/29E/41	RG	ESI ROAD 3	15749	City: PALM VALLEY	RG Type: LINE, # Contrib Resources:
SJ05458	200810	04S/29E/14	AR	THE MICKLER'S LANDING SHIPWRECK	17391	Map: MICK	Culture: 19TH Sitetype: USAL, WREC

17 site(s) evaluated; 17 form(s) evaluated. (11 AR, 1 BR, 2 CM, 3 RG)
 Print date: 11/6/2012 12:42:12 PM

CULTURAL RESOURCES REPORT

SITEID	FORMNO	T-R-S	CR	SITENAME	NRLIST SURVEY	LOCATION	OTHER
SJ02783	198509	04S/29E/46	SS	SE CORN OF MICKLER RD & NECK RD	MICKLER RD & SE CORNER, MICKLE		Uses: RESI
SJ02784	198509	04S/29E/42	SS	NN	SR 210, PALM VALLEY		Uses: RESI
SJ02785	198509	04S/29E/9	SS	NN	SR 210, PALM VALLEY		Uses: RESI
SJ02786	198509	04S/29E/9	SS	NN	SR 210, PALM VALLEY		Uses: RESI
SJ02787	200011	04S/29E/9	SS	4795 PALM VALLEY ROAD	6612 4795 PALM VALLEY RD		Built: C1939
SJ02788	198509	04S/29E/4	SS	NN	SR 210, PALM VALLEY		Uses: RESI
SJ02789	198509	04S/29E/4	SS	NN	SR 210, PALM VALLEY		Uses: RESI
SJ02790	198509	04S/29E/4	SS	NN	SR 210, PALM VALLEY		Uses: RESI
SJ02791	198509	04S/29E/4	SS	NN	SR 210, PALM VALLEY		Uses: RESI
SJ02792	198509	04S/29E/4	SS	NN	SR 210, PALM VALLEY		Uses: RESI
SJ02793	198509	04S/29E/9	SS	NN	SR 210, PALM VALLEY		Uses: RESI
SJ02794	198509	04S/29E/9	SS	NN	CANAL RD, PALM VALLEY		Uses: RESI
SJ02795	200011	04S/29E/9	SS	288 CANAL BOULEVARD	6612 288 CANAL BLVD		Uses: RESI, SCHO Built: C1925
SJ02796	198509	04S/29E/9	SS	22 CANAL RD.	22 CANAL RD, PALM VALLEY		Uses: RESI
SJ02798	198509	04S/29E/49	SS	15 PALM LANE	15 PALM LANE, PALM VALLEY		Uses: RESI
SJ02799	198509	04S/29E/49	SS	11 PALM LANE	11 PALM LANE, PALM VALLEY		Uses: RESI
SJ02800	198509	04S/29E/49	SS	7 PALM LANE	7 PALM LANE, PALM VALLEY		Uses: RESI
SJ02802	198509	04S/29E/9	SS	NN	SR 210A, PALM VALLEY		Uses: RESI
SJ02803	198509	04S/29E/54	SS	NN	SR 210, PALM VALLEY		Uses: RESI
SJ02804	200403	04S/29E/28	SS	PALM VALLEY FISH CAMP	9891 SR 210 RURL, PALM VALLEY		Uses: RESI Built: 1930
SJ03867	200011	03S/29E/40	SS	283 NORTH ROSCOE BOULEVARD	6612 283 N ROSCOE BLVD		Uses: RESI Built: C1941
SJ03868	200011	04S/29E/39	SS	75 NORTH ROSCOE BOULEVARD	6612 75 N ROSCOE BLVD		Uses: RESI
SJ03874	200011	04S/29E/43	SS	89 SOUTH ROSCOE BOULEVARD	6612 89 S ROSCOE BLVD		Uses: RESI Built: C1930
SJ03875	200011	04S/29E/42	SS	83 SOUTH ROSCOE BOULEVARD	6612 83 S ROSCOE BLVD		Uses: RESI Built: C1940
SJ03876	200011	04S/29E/43	SS	105 SOUTH ROSCOE BOULEVARD	6612 105 S ROSCOE BLVD		Uses: RESI Built: C1940
SJ03878	200011	04S/29E/9	SS	4799 PALM VALLEY ROAD	6612 4799 PALM VALLEY RD		Uses: RESI Built: C1950
SJ03879	200011	04S/29E/4	SS	5060 PALM VALLEY ROAD	6612 5060 PALM VALLEY RD		Uses: RESI Built: C1950
SJ03880	200011	04S/29E/9	SS	4595 PALM VALLEY ROAD	6612 4595 PALM VALLEY RD		Uses: RESI Built: C1940
SJ03881	200510	04S/29E/9	SS	4600 PALM VALLEY ROAD	12300 4600 PALM VALLEY RD W, PALM VA		Uses: RESI Built: C1930
SJ03882	200011	04S/29E/9	SS	4585 PALM VALLEY ROAD	6612 4585 PALM VALLEY RD		Uses: RESI Built: C1950
SJ04754	200011	04S/29E/4	SS	5095 PALM VALLEY ROAD	6612 4585 PALM VALLEY RD		Uses: RESI Built: C1887
SJ04755	200011	04S/29E/11	SS	1033 PONTE VEDRA BOULEVARD	6612 1033 PONTE VEDRA BLVD		Uses: RESI Built: C1900
SJ05288	200611	03S/29E/40	SS	299 NORTH ROSCOE BLVD	13767 299 N ROSCOE BLVD, PONTE VEDRA		Uses: RESI, VACA Built: 1955

33 site(s) evaluated; 33 form(s) evaluated. (33 SS)
 Print date: 11/6/2012 12:54:23 PM

Appendix B

Project Costs

Construction cost for the Marsh Landing WTP High Service Pump Replacement

Item	Quantity	Unit	Unit Cost	Labor Cost = 30% of Unit Cost	Total Unit Cost	Total Amount = Total Unit Cost * Quantity
1 Horizontal Centrifugal Pump, Peerless 40 hp	1		\$18,000	\$5,400	\$23,400	\$23,400
Horizontal Centrifugal Pump, Peerless 75 hp	2		\$23,000	\$6,900	\$29,900	\$59,800
2 Replacement of Suction Pipe and Discharge Piping and Appurtenances	1		\$55,000	\$16,500	\$71,500	\$71,500
3 Site Work/Demolition	1		\$25,000	\$7,500	\$32,500	\$32,500
4 Electrical Work	1	LS				\$84,500
5 Instrumentation Work	1	LS				\$28,300
Subtotal						\$ 300,000.00
Contingency(10%)						\$ 30,000.00
Total Construction Cost						\$ 330,000.00

Construction Cost for the Plantation WTP High Service Pump Replacement

#	Item	Quantity	Unit	Unit Cost	Labor Cost = 30% of Unit Cost	Total Unit Cost	Total Amount = Total Unit Cost * Quantity
1	100 HP Pump	5		\$ 55,000.00	\$ 16,500.00	\$ 71,500.00	\$ 357,500.00
2	VFDs	4		\$ 26,000.00	\$ 7,800.00	\$ 33,800.00	\$ 135,200.00
3	Replacement of Suction Pipe and Discharge Piping	1		\$ 45,000.00	\$ 13,500.00	\$ 58,500.00	\$ 58,500.00
4	Structural Work	1					\$ 25,000.00
5	HVAC Work	1					\$ 11,800.00
6	Electrical Work	1	LS				\$ 62,000.00
7	Instrumentation Work	1	LS				\$ 30,000.00
				Subtotal		\$ 680,000.00	
					Contingency (10%)	\$ 68,000.00	\$ 68,000.00
					Total Construction Cost	\$ 748,000.00	\$ 748,000.00

Construction Cost for Water Meter Replacement

	Item	Quantity	Unit Cost	Extended	Labor Cost = 30% of Unit Cost	Total Unit Cost	Total Cost
1	Replace 5/8" x 1/2" meter with new AMR meter	7267	\$243.00	\$1,765,881.00	\$31.00	\$225,277.00	\$1,991,158.00
2	Replace 3/4" meter with new AMR meter	1561	\$243.00	\$379,323.00	\$31.00	\$48,391.00	\$427,714.00
3	Replace 1" meter with new AMR meter	2159	\$285.00	\$615,315.00	\$31.00	\$66,929.00	\$682,244.00
4	Replace 1-1/2" meter with new AMR meter	135	\$831.00	\$112,185.00	\$220.00	\$29,700.00	\$141,885.00
5	Replace 2" meter with new AMR meter	129	\$961.00	\$123,969.00	\$220.00	\$28,380.00	\$152,349.00
6	Replace 3" meter with new AMR meter (same lay length)	27	\$1,164.00	\$31,428.00	\$300.00	\$8,100.00	\$39,528.00
7	Replace 4" meter with new AMR meter (same lay length)	13	\$2,139.00	\$28,234.80	\$400.00	\$5,280.00	\$33,514.80
8	Replace 6" meter with new AMR meter (same lay length)	5	\$3,743.00	\$18,715.00	\$500.00	\$2,500.00	\$21,215.00
9	Replace 8" meter with new AMR meter (same lay length)	9	\$5,908.00	\$51,990.40	\$700.00	\$6,160.00	\$58,150.40
10	Removal and replacement of concrete/asphalt (per square foot)	8,000			\$12.60	\$100,800.00	\$100,800.00
11	Removal and replacement of turf grass/sod (per square foot)	21,000			\$1.01	\$21,210.00	\$21,210.00
12	Photography services (capture and electronically submit digital photo)	11,305			\$1.30	\$14,696.50	\$14,696.50
13	Geo-coding services (capture and electronically submit GPS data)	11,305			\$2.50	\$28,205.98	\$28,205.98
14	Electronic transfer services (download/upload required record data)	11,305			\$2.90	\$32,784.50	\$32,784.50
15	Install new meter box	1000	\$253.43	\$253,425.00	\$94.90	\$94,900.00	\$348,325.00
16	Drill existing meter box lid (plastic)	1000			\$3.80	\$3,800.00	\$3,800.00
17	Plasma cut existing meter box lid (metal)	500			\$7.60	\$3,800.00	\$3,800.00
18	Sensus	1	\$78,620.00	\$78,620.00			\$78,620.00
Subtotal							\$ 4,180,000
Contingency(10%)							\$ 418,000
Total Construction Cost							\$ 4,598,000

Construction Cost for the Rehabilitation of Inlet Beach Well No 1

#	Item	Quantity	Unit	Unit Cost	Installation Cost	Total Unit Cost	Total Amount = Total Unit Cost * Quantity
1	New Well Pump & Liner Installation	1		\$20,000	\$6,000	\$26,000	\$26,000
3	Piping	1		\$15,000	\$4,500	\$19,500	\$19,500
4	Drilling	1	LS				\$100,000
5	Miscellaneous Work	1	LS				\$24,500
Subtotal							\$ 170,000
Contingency(10%)							\$ 17,000
Total Construction Cost							\$ 187,000

#4

MINUTES AND RECORDS
500 SAN SEBASTIAN VIEW
SAINT AUGUSTINE FL 32084

Ref.#: L040-13
P.O.#: L040-13

PUBLISHED EVERY MORNING SUNDAY THRU SATURDAY
ST. AUGUSTINE AND ST. JOHNS COUNTY, FLORIDA

STATE OF FLORIDA,
COUNTY OF ST. JOHNS

Before the undersigned authority personally appeared **STEVEN SMITH**

who on oath says that he/she is an Employee of the St. Augustine Record,
a daily newspaper published at St. Augustine in St. Johns County, Florida;

that the attached copy of advertisement being a **NOTICE OF HEARING**

In the matter of **PV SERVICE AREA WATE - HEARING JANUARY 15, 2013**

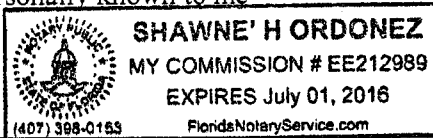
was published in said newspaper on **01/03/2013**

Affiant further says that the St. Augustine Record is a newspaper published at St. Augustine, in said St. Johns County, Florida, and that the said newspaper heretofore has been continuously published in said St. Johns County, Florida, each day and has been entered as second class mail matter at the post office in the City of St. Augustine, in said St. Johns County, for a period of one year preceding the first publication of the copy of advertisement; and affiant further says that he/she has neither paid nor promised any person, firm or corporation any discount, rebate, commission or refund for the purpose of securing the advertisement for publication in the said newspaper.

Sworn to and subscribed before me this _____ day of JAN 03 2013

by *Steven Smith* who is personally known to me
or who has produced as identification

Shawne H Ordenez



(Signature of Notary Public)

(Seal)

**NOTICE OF A PUBLIC HEARING
BY THE
ST. JOHNS COUNTY BOARD OF
COUNTY COMMISSIONERS**

NOTICE IS HEREBY GIVEN that the Board of County Commissioners of St. Johns County, Florida, will hold a public hearing at its regular meeting on January 15, 2013, at 3:00 a.m. The hearing will be held at the St. Johns County Administration Building, 500 San Sebastian View, St. Augustine, Florida. The purpose of the hearing is to review a draft Facility Plan and Business Plan for the proposed rehabilitation and improvements to the Ponte Vedra Service Area water system and other utility related issues. This plan will be submitted as part of an application for low-interest financing through the Florida State Revolving Fund loan program.

St. Johns County proposes to make improvements to the existing Ponte Vedra water system, including the rehabilitation of Inlet Beach Water Treatment Plant's Well #1, the replacement of the high service pumps at Marsh Landing Water Treatment Plant, the replacement of the high service pumps and the addition of WFDs at Plantation Water Treatment Plant and the replacement of the water meters in this service area with automated meter readers.

The cost for the proposed projects is estimated at approximately \$7.1 million, including contingencies, fees and capitalized interest. Total estimated annual operation, maintenance, and replacement costs for the projects are expected to be consistent with current expenses and annual base service is estimated to be \$0.52 million. The debt owed will be repaid by revenue generated from user charges of the water and wastewater systems.

A copy of the Facility Plan and Business Plan is available for review at the St. Johns County Utility Offices located at 1205 SR 16, St. Augustine, Florida 32084, between the hours of 8:00 a.m. and 5:00 p.m. Monday through Friday. Please contact Neal Shinkre or Julie Strickland at (904) 209-3700.

This hearing is open to the public and all interested parties are invited to attend and express their views. Written statements may be submitted prior to, or at, the time of the hearing.

If a person decides to appeal any decision made by the Board of County Commissioners with respect to any matter considered at the public hearing, he/she will need a record of the proceedings, and for such purposes he/she may need to ensure that a verbatim record of the proceedings is made, which record includes the testimony and evidence upon which the appeal is to be based.

NOTICE TO PERSONS NEEDING SPECIAL ACCOMMODATIONS AND TO ALL HEARING IMPAIRED PERSONS: In accordance with the Americans with Disabilities Act, persons needing a special accommodation to participate in the proceedings should contact ADA Coordinator, at (904) 209-0650 at the St. Johns County Administration Building, 500 San Sebastian View, St. Augustine, FL 32084. For hearing impaired individuals: Telecommunication Device for the Deaf (TDD): Florida Relay Service: 1-800-955-8770, no later than 5 days prior to the date of the hearing. Bill Young, Director of Utilities St. Johns County, Florida

**BOARD OF COUNTY COMMISSIONERS
OF ST. JOHNS COUNTY, FLORIDA
CHERYL STRICKLAND, ITS CLERK
By: Robin L. Platt, Deputy Clerk
L040-13 Jan 3, 2013**