

Phillippi Creek Septic System Replacement Program (PCSSRP)
Quarterly Executive Summary
March 2005

Completed to Date:

The **Area E** wastewater collection system for 577 connections was completed in February 2003 at a cost of \$5.1 million. 84 percent (482 connections) of the existing homes and businesses have been connected to the system.

Ongoing Activities:

Area A. The Area A project will make central sewer and water available to approximately 1,125 and 300 connections, respectively. WES is the contractor for the base contract plus 5 alternative areas. Construction started in April 2004 and has an estimated completion of May 2005 for the base contract (September 2005 for the five alternatives). Construction is ongoing and is approximately 70% complete, including installation of water lines, gravity sewer, force main, vacuum pump station, vacuum mains and vacuum valve pits. Construction engineering management and engineer of record services are being provided by Baskerville Donovan, Inc. (BDI). Initially, wastewater flow from Area A will be sent to the Meadowood Water Reclamation Facility (WRF). Upon completion of the University/I-75 Force Main Phase 2 pipeline project, wastewater flow will be sent to the Bee Ridge WRF.

Area F. The Area F project will make central sewer available to approximately 1,063 homes. The Notice to Proceed for Area F was issued on October 11, 2004. Substantial Completion is estimated to be in October 2005 with Final Completion scheduled for November 2005. Current Construction is ongoing and is approximately 50% complete. A low pressure system is needed in some Area F locations because lot elevation and extensive lateral run lengths prohibit the use of a vacuum system. To mitigate costs to affected lot owners, the County has assumed responsibility (both physical and financial) for installation of the pump chamber. Informational packets pertaining to the PCSSRP progress were prepared and distributed to the community in January 2005. An informational/instructional seminar will be conducted for local plumbers and electricians in the next quarter on the proper installation methods for on-site gravity and low pressure connections.

The combined three construction projects of Areas E, A, and F will make central sewers available to nearly 2,765 homes by end of 2005.

Area B. The Area B project will make central sewer available to approximately 106 homes. Designed by Greeley & Hansen (G&H) the project, which began in 2002, was put on hold at 90% completion. The design is based on serving the area with gravity sewers, a lift station, and low-pressure sewers (30 lots). With its close proximity to the AquaSource franchise area, wastewater flow from Area B is expected to be discharged to the AquaSource sewer system. Negotiations are ongoing with AquaSource to arrive at an agreement to send Area B wastewater to their system.

Area C. The Area C project will make central sewer available to approximately 694 homes. The Area C design was completed by BDI in July 2004 and construction is scheduled to commence February of 2006. Construction will coincide with the completion of the Bahia Vista force main and road-widening project which will allow Area C wastewater to be treated at the newly expanded Bee Ridge WRF. Utilities is currently coordinating with Public Works and the Neighborhood Program on a neighborhood plan for the Pinecraft area. The Pinecraft project is designed and constructed as an integrated construction project between Public Works and Utilities. The Pinecraft project includes the combination of the neighborhood improvements and partial vacuum line installation and will occur from May 2005 through December 2005.

Area D. The Area D project will make central sewer available to approximately 1,485 connections. G&H is preparing the engineering design for Area D and is 55% complete. A joint City of Sarasota/County Commission meeting was held on January 31, 2005, which included discussions involving Area D sewer

and water issues. This meeting is the first of several with a goal of preparing an inter-local agreement for proposed sewer sections currently served by City water. The result of the first meeting is that Sub-area D1 will now be designed as a gravity system with collected flows pumped to the City of Sarasota. Construction of Area D is not scheduled to begin until FY07.

Area K. The Area K project will make central sewer available to approximately 2,618 connections. The engineering design for Area K began on September 29, 2004 by BDI and is 40% complete with completion scheduled for January 2006. The BDI preliminary design report (PDR) was completed on December 17, 2004. Wastewater flow from Area K will be treated at the Bee Ridge WRF and will be pumped there via a new transfer pump station to be constructed near the Atlantic WRF. The new transfer pump station will be constructed to coincide with the completion of the Bahia Vista force main project. Construction for Area K is scheduled to start in FY07.

Area N. The Area N project will make central sewer available to approximately 1,949 connections. Area N will be the first project assigned from the Call for Professional Services advertised in December 2004 for Engineering Services for Various Areas of the Phillippi Creek Septic System Replacement Program. The Profession Services Recommendation Committee is recommending the firm of Giffels-Webster Engineers to the Board of County Commissioners for approval. Construction for Area N is expected to start in FY07. Wastewater collected from Area N will be pumped to the Central County WRF.

Wastewater Transmission & Treatment. A number of critical transmission and plant expansion projects are needed to collect and treat wastewater collected in the PCSSRP. The expansion of the Bee Ridge WRF will be completed by April 2005 and will increase the treatment capacity of the plant from 2.1 to 9.0 mgd (million gallons per day) on a maximum monthly average daily flow basis (MMADF). The Central County WRF will be undergoing an expansion from 4.0 to 5.4 mgd MMADF. The engineering design for the expansion of Central County WRF began in July 2004 with Carollo Engineers and is approximately 50% complete. Construction of the plant expansion is scheduled to start in May 2005 with completion in September 2006.

Critical transmission projects include several new pump stations and force mains. PBS&J and MWH were given the notice to proceed in December 2004 for the design of the demolition and replacement with master pump stations for the South Gate and Gulf Gate plants, respectively. Design for both decommissioning projects will be complete in FY05 and construction of replacement pump stations complete in FY07. The Bahia Vista force main (from Hines Avenue to Cattlemen Road) project has been segmented into two phases to integrate concurrent County projects. Phase I (from Himes to McIntosh) will advertise for bid in April 2005 to attempt to have Beneva area construction completed prior to the Pinecraft Revitalization Project commencement in July 2005. Phase II is an integrated Public Works and Environmental Services force main and road widening design and construction project along Bahia Vista from McIntosh to Cattlemen. Combining the Bahia Vista force main and road improvements into a single integrated design/construction project is expected to result in savings of up to a million dollars. Construction of Phase II is scheduled to commence in early 2006 with completion in mid 2007.

FY06-FY10 Budget Activities:

The attached Schedule A depicts the preliminary FY06-FY10 PCSSRP Budget. As shown, the total Budget is \$134.9 million, an increase of \$24.7 million over the FY05-FY09 Budget. The increase is attributable to two factors:

1. An additional 1,346 hookups based on updated GIS maps and parcel counts.
2. An updated cost projection of the remaining program based on the average cost per EDU of Areas E, A, and F which are either completed or under contract.

Managerial and tactical changes resulting in more in-house program management and construction services are helping to reduce budgetary increases.

Funding Review:

Schedule A shows the total estimated funding for the PCSSRP by area. It is significant to note that construction of Area E (577 connections) was funded without an SRF construction loan. The same will be true for Areas A and C (1,819 connections). Grants, rates, and surtax are leveraged to the greatest extent possible to minimize and delay new debt as dictated by the Utilities Rate Model. Area F is the first area to utilize an SRF Construction loan in the amount of \$6 million. It is projected that the next SRF Construction loan application will be in FY06, in the amount of \$30 million, to meet the start of construction for Areas D, K, and N in FY07.

The procurement of grants is a critical issue. After the completion of Areas A and F, in early FY06, the majority of grant funds approved-to-date by either EPA or FDEP will be exhausted (\$6.2 million). An additional \$8.1 million in grants is projected in the FY06-FY10 Budget, but there are no assurances of any future grants. The substitution of debt for the unobtainable grants would likely cause a delay in the program until Utility revenues are able to support the additional debt burden.

Web Site Update:

The MyCentralSewer.org web site was updated in January 2005 to include new maps and schedules. The next update is planned for April 2005 to include the March 2005 Quarterly Executive Summary and information on utility staff personnel changes.