

Phillippi Creek Septic System Replacement Program (PCSSRP)
Quarterly Executive Summary
December 2004

Completed to Date:

The **Area E** wastewater collection system for 577 connections was substantially complete 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 45% complete, including installation of water lines, gravity sewer, forcemain, 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 on-going and is approximately 15% complete. The second of two public meetings for Area F was held on November 30, 2004. This second meeting was held specifically to discuss the need for a low pressure system and its comparative costs to the vacuum system customers. A low pressure system is needed in some Area F locations because lot elevation and extensive lateral run lengths prohibits the use of a vacuum system. Installation costs for low pressure are higher than vacuum because of the requirement for a pump chamber. To mitigate costs to affected lot owners, the County has assumed responsibility (both physical and financial) for installation of the pump chamber. Additional informational packets pertaining to the PCSSRP progress are being prepared and will be distributed to the community shortly.

The combined three projects of Areas E, A and F will make central sewers available to nearly 2,765 homes by end of 2005. Mario Machado, Regional Construction Grants Expert from the Atlanta Regional EPA office, toured the construction sites for both Areas A and F on December 5, 2004. Mr. Machado commented that best management practices were being observed and applied at both construction sites and the EPA was completely satisfied with the construction progress.

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 mid-year of 2006. Construction will coincide with the completion of the Bahia Vista forcemain 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 will be designed and constructed as an integrated construction project between Public Works and Utilities. The project includes the combination of the neighborhood

improvements and the installation of the sewer system 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 50% complete. On-going joint Sarasota County/City of Sarasota utilities staff meetings are continuing with discussions involving Area D sewer and water issues. A joint meeting is scheduled for January 31, 2005. Construction of Area D is not scheduled to begin until FY06.

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 Baskerville-Donovan (BDI) and is scheduled to be completed in 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 forcemain 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. A Call for Professional Services was advertised in December 2004 for Engineering Services for Various Areas of the Phillippi Creek Septic System Replacement Program. Area N will be the first project assigned from this contract. 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 and 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 forcemains. 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 forcemain (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 January 2005 so as 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 forcemain and road widening design and construction project along Bahia Vista from McIntosh to Cattlemen. Combining the Bahia Vista forcemain 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.

FY05-FY09 Budget Activities:

The attached Schedule A depicts the preliminary FY05-FY09 PCSSRP Budget. As shown, the total Budget is \$110.2 million and is the same as the FY04-FY08 Budget. Area K has been identified as crucial to being able to meet the \$110.2 million budget. If Area K can be completed for \$15.5 million, or under, a greater degree of confidence can be placed on this number. Some recent management and tactical changes are calling for more in-house program management and construction services to better meet this budget as well.

Funding Review:

Schedule A shows the total estimated funding for the total PCSSRP and 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, B, and C (1,925 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. It is projected that the next SRF Construction loan application will be in FY06 to meet the start of construction for Areas D and N in FY07. Although a significant portion of the PCSSRP grant funds approved to date will be used for the construction of Area A and F, there will be some unused amounts that can be allocated to the next areas in line (i.e. C, B, D, and K). However, only Areas A and F have the EPA approval at this time.

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 (\$6.2M). An additional \$8.1M in grants is projected in the FY05-FY09 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 October 2004 to include new maps and schedules. The next update is planned for January 2005 to include the December 2004 Quarterly Executive Summary and information on utility staff personnel changes.