

Phillippi Creek Septic System Replacement Program
Quarterly Executive Summary
September, 2004

Completed to Date:

The **Area E** wastewater collection system for 577 residential and commercial properties was substantially complete in early 2003. Approximately \$5.8 million (Utilities portion \$5.1 million) was expended on this project which included sewer, water, storm drain and sidewalks. Approximately 84 percent (482 connections) of the existing homes and businesses have been connected to the system.

Ongoing Activities:

Area A. The Area A Collection System project will make central sewer and water available to approximately 1,125 and 300 connections respectively. The construction contract with Water Equipment Services (WES) was awarded on April 13, 2004 along with the five (5) alternate areas. A preconstruction meeting was held on May 27, 2004. Construction is ongoing and is currently approximately 20% complete, including installation of water lines, gravity sewer, forcemain, vacuum pump station, vacuum mains and vacuum valve pits. The estimated completion date is July 2005, which includes the five (5) alternate areas. Construction engineering management services contract is in place with Baskerville Donovan, Inc. (BDI) for engineering and permit certifications. Initially, wastewater flow from Area A will be sent to the Meadowood Water Reclamation Facility (WRF). However, when the University I-75 Force Main Phase 2 pipeline project is completed, wastewater flow will be sent to the Bee Ridge WRF.

Area F. Area F, which will make sewers available to approximately 1,063 homes, was advertised for construction bids on May 28, 2004 and bids were opened on July 28, 2004. A construction contract award to E.T. MacKenzie of Florida, Inc. for Area F is scheduled to go before the Board of County Commissioners (BCC) for approval on September 28, 2004. A pre-construction meeting is scheduled for September 30, 2004 and the Notice to Proceed to the contractor initiating construction is expected to be issued on October 11, 2004. Wastewater flow from Area F will be treated at the Central County WRF and will be pumped there via an existing force main previously constructed on School Avenue to serve both Areas E & F. A public meeting was held for Area F on July 22, 2004 and 163 residents attended displaying considerable interest and overall support for the project.

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

Wastewater Transmission & Treatment. A number of critical transmission projects are needed to convey wastewater collected in the Phillippi Creek Septic System Replacement Program (PCSSRP) to the newly expanded Bee Ridge WRF. The expansion of the Bee Ridge WRF will be completed by March 2005 and will increase the treatment capacity of the plant from 2.1 to 9.0 mgd (million gallons per day) based on maximum monthly average daily flow. Critical transmission projects include several new pump stations and forcemains, for example, the new South Gate Pump Station and the Bahia Vista forcemain (from Hines Avenue west of Beneva to Cattlemen) project. A joint decision was recently made between Public Works and Environmental Services to have an integrated design and construction of the Bahia Vista forcemain and road widening (from McIntosh to Cattlemen) projects. 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. With the Bahia Vista forcemain being built as an integrated project, it is anticipated that construction could start as early as June 2005 for the segment

from Hines Avenue west of Beneva to McIntosh. The time schedule for the remaining portion of the Bahia Vista forcemain from McIntosh to Cattlemen will coincide with the road project, which will run from early 2006 through mid 2007. In order to accept the flow from Area N and the decommissioning of the Gulf Gate WRF, the Central County WRF will be undergoing an expansion from 4.0 to 5.4 million gallons per day. The recommendation to approve an engineering design contract with Carollo Engineers for the expansion of Central County WRF was approved by the BCC on July 27, 2004. Construction of the plant expansion is scheduled to start in May 2005 with completion in September 2006.

Area B. The engineering design for Area B, 106 connections, which began in 2002, was put on hold after reaching 90% completion in order to allow adequate time to explore various treatment options. The present design is based on serving the area with gravity sewers and a lift station, along with 30 lots on low-pressure sewers. Due to its close proximity, wastewater flow from Area B is expected to be discharged to the AquaSource sewer system. This was determined to be the most cost effective solution compared to the option of discharging to the City of Sarasota sewer system or treating at the Meadowood Water Reclamation Facility. Negotiations are ongoing with AquaSource to arrive at an agreement to send Area B wastewater to their system.

Area C. Area C which reached 100% design at the end of July 2004, will make sewers available to approximately 694 homes. Construction for Area C is scheduled to start in FY06 to coincide with the completion of the Bahia Vista forcemain and road-widening project (McIntosh to Cattlemen) as mentioned under Wastewater Transmission & Treatment. Wastewater from Area C will be treated at a newly expanded Bee Ridge WRF. Utilities is currently coordinating with Public Works and the Neighborhood Program on a neighborhood plan for the Pinecraft area. Included in this plan are improvements in pedestrian crosswalks, widening of sidewalks, street lighting from Phillippi Creek to Seminole Railroad tracks east of Beneva and decorative medallion construction at the intersections of Bahia Vista and Kaufman and Bahia Vista and Beneva. The final proposal on the neighborhood improvement project will be presented to the BCC on September 29, 2004. If this project is approved by the BCC, design will commence in October 2004 and be completed in December 2004, and construction will occur from May 2005 through December 2005. This project will be designed and constructed as an integrated construction project between Public Works and Utilities, including the combination of the neighborhood improvements and the installation of the sewer system on

Bahia Vista (dry lines on Bahia Vista only, between Beneva and Phillippi Creek bridge). The vacuum pump station to be located at Pinecraft Park is also being designed to compliment the style of the neighborhood architecture. Alternate architectural designs have been presented to community representatives for their consideration, including alternate architectural materials and colors for the exterior of the building and alternate fencing materials.

Area D. The engineering design for Area D, 1,485 connections, which began in 2002, was put on hold after reaching 50% completion, due to some uncertainties about upgrading and re-locating the water distribution system in this area. Most of the water mains in this area are 3" diameter in size, which does not meet current standards, and is considered inadequate for fire protection purposes. South Gate Utilities, the private utility that owns the water system, has now agreed to relocate some water lines to make room for sanitary sewers. After getting notice to re-start the design in June 2004, Greeley & Hansen resumed design in July 2004, with an expected design completion date of mid 2005. Construction of Area D is scheduled to start in FY06, which coincides with the construction schedule for the Bahia Vista forcemain and road-widening project from McIntosh to Cattlemen that will run from early 2006 through mid 2007. The sewer system being designed consists mostly of vacuum sewers combined with a small percentage of low-pressure sewers where needed. Flow from Area D will be treated at the newly expanded Bee Ridge WRF. A public meeting was held on August 26, 2004 with residents that live nearby to the proposed vacuum pump station. Notices of the meeting were mailed to 22 property owners and 6 residents attended the meeting, representing 4 properties. The response was generally supportive of the project overall, and no opposition was expressed regarding the pump station site located on Goldenrod Street.

Area K. A request for proposals (RFPs) was advertised on December 29, 2003 for the purpose of procuring engineering design services for Area K (2,618 connections). Proposals were submitted and

evaluated during the month of February 2004. The Professional Service Review Committee (PSRC) met on February 19, 2004, and ranked the participating engineering firms in the following order: (1) Baskerville-Donovan [BDI], (2) Giffels-Webster, (3) PBS&J, (4) Greeley & Hansen and (5) McKim & Creed. An engineering design contract negotiated with BDI was approved by the Board of County Commissioners on September 14, 2004. Design will start immediately and is scheduled to last 18 months. Wastewater flow from Area K will be treated at the Bee Ridge WRF and will be pumped there via a new pump station constructed at the Atlantic WRF site, which will start up once the Atlantic plant is shut down/decommissioned. Construction for Area K is scheduled to start in FY07.

Area N. A Call for Professional Services will be advertised in late 2004 for the engineering design of Area N, that includes 1,949 proposed service connections. A portion of Area D on the east side of Phillippi Creek, known as the Tanglewood area (216 connections), will be included in Area N due to close proximity to Area N and to an existing sewer system near Bee Ridge and Tuttle Avenue. Construction for Area N is expected to start in FY07. A recently completed hydraulic analysis for the western Proctor Road forcemain concluded that there is adequate hydraulic capacity in the wastewater transmission system to convey the Area N wastewater to the Central County WRF. In order to accept the flow from Area N and the decommissioning of the Gulf Gate WRF, the Central County WRF will be undergoing an expansion from 4.0 to 5.4 million gallons per day. The recommendation to approve an engineering design contract with Carollo Engineers for the expansion of Central County WRF was approved by the BCC on July 27, 2004. Construction of the plant expansion is scheduled to start in May 2005 with completion in September 2006.

FY05-FY09 Budget Activities:

Support documentation on the program was provided to legislative staff during the fourth quarter of last year as part of the Community Budget Issue Request System under which the Phillippi Creek program is included for funding.

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.

Since the last quarterly executive summary, additional potential hookups were identified based on review of current GIS maps. Funding for these potential hookups will be incorporated into next year's budget and funding schedule.

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). We are leveraging grants, rates, and surtax 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 next critical path work item is to have Environmental Impact Documents prepared and approved by the EPA. A contract with Hazen & Sawyer to begin work on this and other grant funding issues will be presented to the BCC in September or October 2004.

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 the end of July 2004. This update included the insertion of new maps and schedules. The next update is planned for the end of September 2004, at which time the Quarterly Executive Summary will be added. Future updates are planned at least quarterly, or more frequently if needed.