

## **Duck Key Wastewater Treatment Plant and Utility Improvements Update**

**July 2011**

Duck Key utility improvements have commenced in phases 1 through 3 (see phasing map below) of the Duck Key Utility Project, and upgrades to the Duck Key/Conch Key Wastewater Treatment Plant (WWTP) are nearing completion.

### Wastewater Treatment Plant Upgrades

The WWTP has successfully been upgraded to Advanced Wastewater Treatment (AWT) Standards and the capacity has been increased from 200,000 gallons per day (gpd) to 250,000 gpd. Final completion is expected in the fall of 2011.

### Duck Key Utility Improvements

Duck Key utility improvements in phases 1 through 3 include the installation of a central wastewater gravity collection system, replacement of potable water lines and service connections, and the installation of new reclaimed water lines and service connections. The \$6,100,000 project will serve approximately 234 properties.

Utility work is being performed by Metro Equipment Service, Inc. and is expected to reach completion in the summer of 2012. To date approximately 25% of the reclaimed water lines and wastewater force mains have been completed. By now you have noticed marked wooden stakes located on all of the developed properties. These stakes were installed by the contractor and indicate the location planned for installation of the wastewater lateral connection point. The location was determined either through customer input, completing and returning a lateral location form, or, if no input was received, through a site visit to the property. Should you have any questions regarding the proposed location of your wastewater lateral, please contact Joshua Peele, Environmental Specialist, at (305) 809-2636 or via email at [jpeelee@fkaa.com](mailto:jpeelee@fkaa.com).

### Wastewater

As the wastewater portion of the project nears completion the FKAA will hold a public meeting to inform residents of the wastewater connection requirements. Additionally, connection packets will also be posted at [www.FKAA.com](http://www.FKAA.com) or mailed upon request. It is the property owners responsibility to have the wastewater lateral installed from the home to the connection provided, and to abandon the septic tank.

Once the central wastewater system is complete “30-day Notices of Service Availability” will be mailed to all property owners informing them that the system is now ready for connection. Per County regulations connections are required to be completed 30 days from the receipt of the connection notice. Some work may be completed before the connection notices are mailed. The majority of owners engage the services of a plumber; however, owners that meet Monroe County’s “owner-builder” requirements may perform the connection work themselves. Additional connection details will be provided as the project nears completion.

### Potable Water

Once the new potable water lines are installed and tested the contractor will connect the new lines to the property's existing meter. No action is required by the property owner.

### Reclaimed Water

Reclaimed water will be available shortly after wastewater service is available. Additional details regarding reclaimed water may be found on the FCAA's website at the following links:

Reclaimed Water Frequently Asked Questions:

<http://www.fcaa.com/ReclaimFAQsPoster.pdf>

Uses of Reclaimed Water:

<http://www.fcaa.com/WhatUsesPoster.pdf>

### Future Work

Utility upgrades (wastewater, potable water, and reclaimed water) are also planned for the remainder of the island, phases 4 through 7. Monroe County has budgeted \$4.5 million for the Duck Key Wastewater Collection system in fiscal year 2012. Based on engineering estimates these funds are expected to finance phases 4 through 6 of the wastewater work. Any portion of the wastewater project remaining when these funds are exhausted will be put out to bid when additional funding becomes available. Phases 4-6 and a portion of Phase 7 will be serviced by a gravity wastewater system, while the interior portion of Center Island will be serviced by a low pressure wastewater system.

The potable water and reclaimed water work are planned to be completed in conjunction with the wastewater improvements. Funding for the potable water and reclaimed improvements is planned to be obtained and provided by the FCAA.

For additional information please contact Julie Cheon at (305) 295-2150, or via email at

[jcheon@fcaa.com](mailto:jcheon@fcaa.com).

# CENTRAL WASTEWATER COLLECTION PHASING SCHEDULE DUCK KEY

