

City of Sanford
Department of Water & Sewer Utilities
Sewer Infrastructure Rehabilitation/Replacement Project



A component of the Lake Monroe Watershed Protection Program

Project Update – December 2010

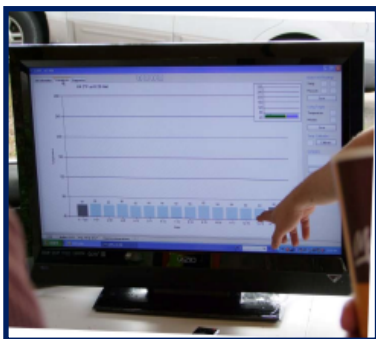
The City of Sanford's **Sewer Infrastructure Rehabilitation/Replacement Project** is coming to a close and is expected to be completed in December 2010. A project status meeting was held on December 2, 2010 with the Project Team to discuss accomplishments to date and remaining activities. The Project Team at the meeting included City representatives, American Infrastructure Technologies (the lining contractor), Southeastern Surveying (the manhole surveyor), and Brown and Caldwell (the engineering consultant). During the meeting, the Team agreed that the sewer infrastructure rehabilitation/replacement project has been very successful and has resulted in about 13 miles of rehabilitated pipe; a major upgrade to the City's sanitary sewer system.

Specific benefits of the rehabilitated pipe include:

- 1) Eliminates cave-ins within the areas where lining occurred;
- 2) Reduces infiltration of groundwater into the sanitary sewers; and
- 3) Provides for very accurate manhole data for the City's hydraulic model of the sewer system.



A liner pops out of a manhole during the lining process.



As part of project implementation, an improved technology was demonstrated at the project site that includes a system of measuring the temperature of the liner during the curing process to more accurately control it. Technology commonly used to measure temperature includes taking temperature readings at both ends of the liner, but the new technology allows for temperature readings along the entire length of the pipe, up to 300 feet. The computer screens to the left show temperatures being monitored along the pipe segment as the liner is cured within the old pipe.



Sewer Infrastructure Rehabilitation/Replacement Project Completion Schedule		
Subdivision	Pipe Lining	Manhole Surveying
Wynnewood	Completed	Completed
Sunland	Completed	Completed
Sanora	Completed	Completed
Park Ridge	Completed	Completed
Woodmere (Paver Homes)	Completed	Completed
Carriage Cove	Completed	Completed
Country Club Manor	Completed	Completed
Part of Hidden Lakes	December, 2010	December, 2010