

Installation of a 60-inch Force Main from SMHWTP to Old Cutler Road

Project Background and Description:

In an effort to meet South Miami-Dade's increasing demand for potable water, the Miami-Dade Water and Sewer Department (WASD), authorized the design and construction of the South Miami Heights Water Treatment Plant (SMHWTP). The plant, which will be located at the intersection of US-1 and SW 117th Avenue, will use reverse osmosis technology to treat drinking water.

Reverse osmosis renders very high quality drinking water, but the process also produces a byproduct of excess water that must receive further treatment before disposal. To that end, the excess water will be piped to the South District Wastewater Treatment Plant (SDWWTP) for treatment and disposal. The purpose of this project is to install a 60-inch force main that will convey the excess water to an existing 72-inch pipe, which will route the excess water to the SDWWTP for treatment.

The route shown below was the highest ranked alternative, and was selected for design and construction of the 60-inch force main. This route travels from the South Miami Heights site on SW 117th Avenue, crosses the Busway and US-1, and travels along SW 211th St, toward the Turnpike. Once the new force main reaches the Turnpike, it turns southward along Frontage Road immediately west of the Turnpike. Before reaching the southeast edge of the South Dade Government Center, the force main turns east, crosses the Turnpike and the canal towards SW 212th. The pipe then follows SW 212th St eastward, until it reaches the existing 72-inch main, at the junction of Old Cutler Rd.

Project Consultant:

CSA Group Florida, Inc.
6100 Blue Lagoon Drive, Suite 300, Miami, FL 33126
Phone: (305) 461-5484 email: kwatson@csagroup.com

Public Outreach:

WASD worked closely with the Town of Cutler Bay and the offices of Miami-Dade County Commissioners Katy Sorenson and Dennis Moss to design the route that provided the least amount of inconvenience during construction for the community. Additionally, WASD and the consultant team had several other meetings to reach consensus on this route. During the next several months, WASD will conduct a public meeting to get feedback from residents on any concerns or issues with this project. The community is encouraged to contact the project managers as listed below with any questions. WASD asks that the community stays involved and assists us in proceeding with this important project.

Project Schedule:

Field Investigations and Design: Completion May 2009
Permitting: May to August 2009
Bid Documents: May to September 2009
Contract Bid and Award: September 2009 to June 2010
Construction: June 2010 to December 2011

Project Cost:

Estimated Total Cost – \$10,767,475

Contacts:

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