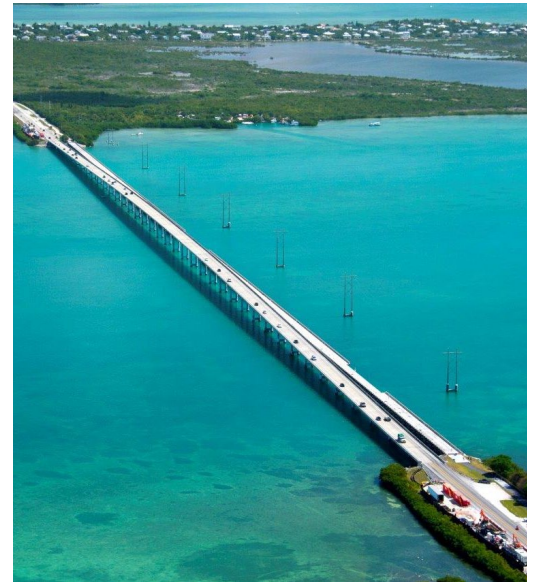


FKAA AND MONROE COUNTY
DESIGN-BUILD CUDJOE REGIONAL OUTER ISLANDS
WASTEWATER COLLECTION SYSTEM
MONROE COUNTY, FLORIDA



Project Description

The State of Florida mandated that the Florida Keys have central sewers and high levels of wastewater treatment by December 31, 2015. Making up the Cudjoe Regional Wastewater Treatment System (CRWWTS) are four distinct projects totaling \$1.60M. This major project of the CRWWTS included design, construction, outfit, start-up, performance testing, warranty, and obtaining governmental approvals to collect and pump wastewater from the outer islands to the Cudjoe Wastewater Treatment Plant. The system's ultimate discharge is 3.46 MGD and serves approximately 5,000 customers. This project also included replacing existing Water Main system. Additionally, this project included a 5,217 linear foot 18" DR 7 HDPE directional bore beneath Niles Channel connecting Ramrod Key and Summerland Key. The project also included 61 neighborhood Lift Stations, 1350 Residential Grinder Pumps, and 4 pump stations. The Reynolds Design-Build Team, including Utility Services Authority, LLC as a subcontractor provided design and permitting services and performed this record bore in one 18-hour shift, ahead of schedule. Summary of Pipeline:

- 2"-6" HDPE Force Main-350,000 LF
- 6" PVC C 900 Water Main- 27,734 LF
- 4" PVC C 900 Water Main- 45,647 LF
- 8" PVC SDR 26 Gravity Sewer -250,000 LF
- 6"-10" DIP Class 52 Transmission Main-4,485 LF
- 8"-10" HDPE Transmission Main-18,070 LF
- 8"-14" PVC C 900 Transmission Main-33,545 LF
- Or 729,481 total LF of pipeline

At a Glance

Contract Amount:
\$104M

Notice to Proceed:
January 15, 2013

Completion Date:
Original Scope Completion:
December 31, 2015
Final Completion: February 6, 2019

Owner:
Florida Keys Aqueduct Authority
and Monroe County

Engineer:
Chen-Moore
Eckler Engineering
ARCADIS