

PROJECT NAME: HILLSBORO MILE SANITARY SEWER REPLACEMENT

PROJECT LOCATION: Town of Hillsboro Beach, Florida

PROJECT DESCRIPTION:

Replacement of the entire existing sanitary sewer system serving 3 miles of oceanfront and intra-coastal residential properties. Included 3 miles of FDOT roadway milling and resurfacing and pavement markings.

THOMPSON & ASSOCIATES' ROLE:

As the Engineer-of-Record for this project, the goal was to completely replace the aging sanitary sewer system for a 3 mile corridor serving up-scale beachfront single and multi-family properties. The entire project was in a 2-lane FDOT right-of-way as well as within the limits if the Town of Hillsboro Beach. Design considerations included existing sanitary sewer clean-out elevations at the property line, improved efficiency of lift stations and force mains, constructability, coordination with a concurrent water main replacement project (by others), coordination with a concurrent roadway improvement project (by others), and maintenance of traffic during construction. Every existing sewer structure, sanitary sewer gravity main, and force main was replaced. A lift station study was completed to determine the most efficient and reliable configuration of the proposed force mains while considering the size of each pump. A new alternate force main was designed which eliminated the dependency on one sub-aqueous crossing to service the entire 3-mile island. The services provided included preliminary design report, design, permitting, bidding assistance, and construction administration. Permitting efforts included multiple agencies and required continual coordination during the course of the project. The estimated construction cost for the project is approximately \$9.5 million.

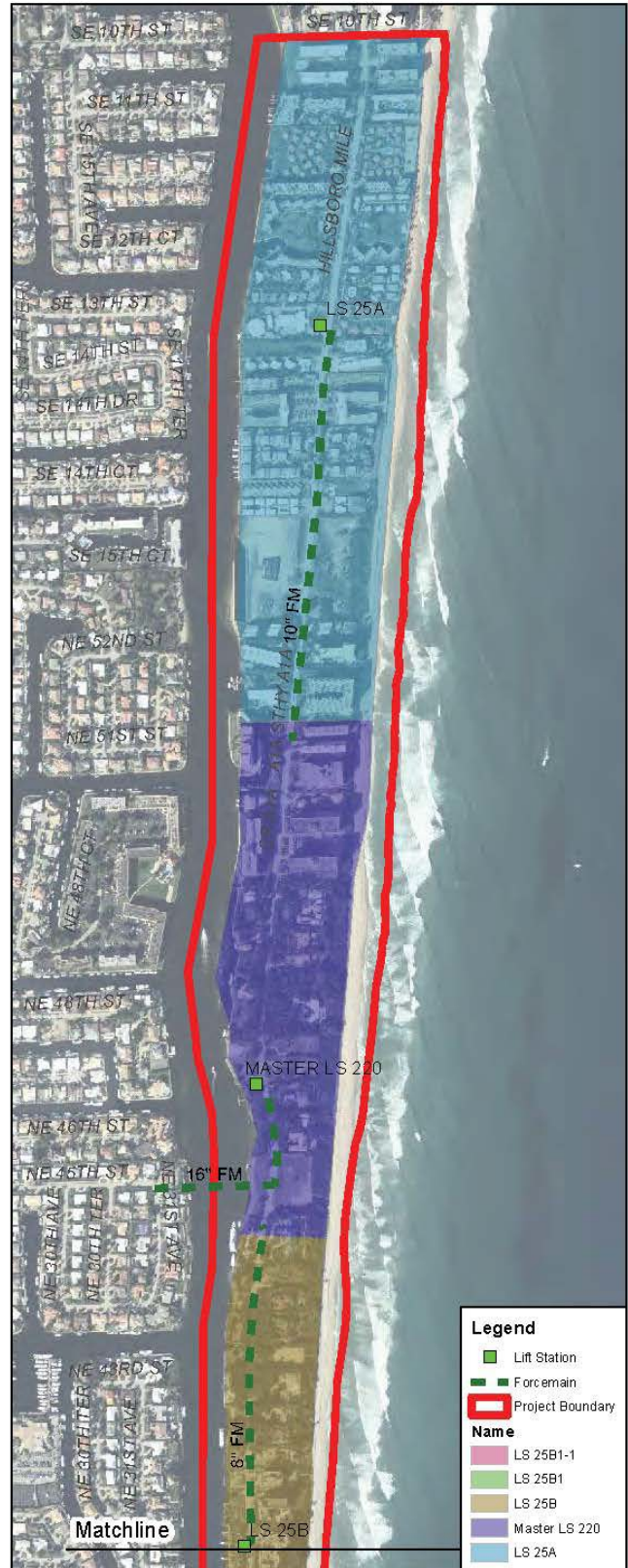
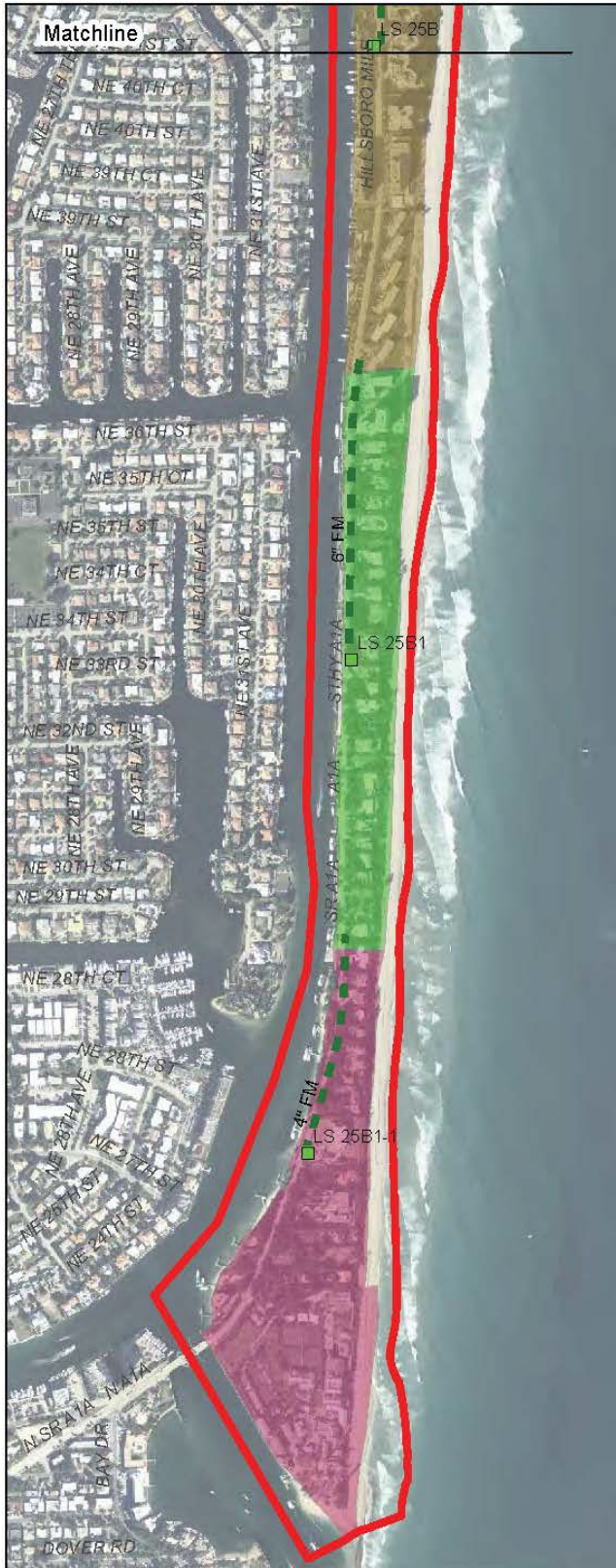
PROJECT START DATE: September 2016

PROJECT END DATE: September 2018

CLIENT NAME: Broward County Water & Wastewater Services

CLIENT CONTACT: Pat MacGregor
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954-831-0904

CLIENT ADDRESS: 2555 West Copans Road
Pompano Beach, FL 33069



Legend

- Lift Station
- Force main
- Project Boundary

Name

- LS 25B1-1
- LS 25B1
- LS 25B
- Master LS 220
- LS 25A