



Construction Method: **Microtunneling**

Project: **Lift Station 87, City of Sarasota**

Location: **Sarasota, Florida**

Job Scope:

- ❖ Design Review
- ❖ Forensic Analysis
- ❖ Bid Document Preparation
- ❖ Risk Analysis
- ❖ Submittal Review
- ❖ Construction Inspection

Project Description :

Staheli Trenchless Consultants provided design services, forensic analysis and construction inspection for the City of Sarasota's Lift Station #87. The original project included the installation of 1,300 feet of 36-inch gravity sewer pipeline via microtunneling and began in 2008, but complications encountered during construction in 2011 made re-design necessary. STC performed a forensic analysis of the previously failed construction to determine existing risks, then provided re-design services focused on mitigating these risks. The project was re-designed as two microtunneling drives equaling 1,280 feet of 60-inch casing, with the longest drive at approximately 700 feet. STC prepared a new tunneling specification and geotechnical baselines were written to address existing project conditions. The alignment travelled through highly permeable sands, gravels, and limerock, and crossed beneath an environmentally sensitive channel. STC provided onsite construction inspection services and the project was successfully completed in 2017.



Staheli Trenchless Consultants
ph: 425-205-4930
www.stahelitrenchless.com