



**Craig A. Smith & Associates, Inc.**

Engineers • Surveyors • Subsurface Utility Engineering • 3D Subsurface Imaging • Utility Coordination

# CITY OF MARGATE

## SEWER FORCE MAIN REPLACEMENT

### Project Entity:

City of Margate  
1001 West River Drive  
Margate, FL 33063

### Contact:

Reddy Chitepu, P.E.  
City Engineer  
(954) 972-0828  
engineer@margatefl.com

CAS Project No.: 11-1610  
13-1731

CAS Profile No.: 139

### Project Description:

The City of Margate Sewer Force Main Project consisted of replacing an existing 12-inch ACP force main with a new, upsized sewer force main. The work included the installation of approximately 5,060 linear feet of DIP force main ranging in size from 6-inch to 20-inch, 140 LF of encased jack and bored pipe under State Road 7, 950 LF of directional drilled HDPE pipe under an existing canal, connection to an existing lift station, abandonment of the existing force main and road and swale restoration. The project was installed from the City's Wastewater Treatment Plant to an existing force main tie-in on State Road 7. The total design and construction services costs for the project was \$275,350. The total construction cost was \$1,449,900. The project began in 2011, was delayed for two years due to funding acquisition, and was completed in September 2014.

### Responsibilities:

Survey, easement acquisition, utility locates, preparation of design engineering, cost estimates, permitting, bid documents, bidding assistance and contract award, construction management and construction observation, and certification through project close-out.

### Key Personnel:

Gene R. Schriener, P.E. – President; Robert D. Keener, P.S.M. – Vice President of Survey; James Driscoll – Director of SUE; William H. Landis, P.E. – Senior Supervising Engineer; Al Caruso, E.I. – Project Manager

