



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

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

# BAL HARBOUR VILLAGE COLLINS AVENUE SEWER FORCE MAIN REPLACEMENT

## Project Entity:

Bal Harbour Village  
655 96<sup>th</sup> Street  
Bal Harbour, FL 33154

## Contact:

Jorge Gonzalez  
Village Manager  
(305) 866-4633  
manager@balharbourflorida.com

**CAS Project No.:** 09-1556

**CAS Profile No.:** 4

## Project Description:

The Bal Harbour Village Sanitary Force Main Project consisted of 12,000 linear feet of 16-inch replacement force main directionally drilled on Collins Avenue. The work required the coordination of Bal Harbour, Surfside and Miami Beach. Work also included connections to existing pump stations, force mains and flow meters. The initial construction costs totaled \$2,691,819. Additional construction costs of \$729,821 were required to meet an expanded scope of work. Design fees for this project totaled \$842,570. The project was completed within an aggressive 3 month timeframe with no liquidated damages.

## Responsibilities:

Survey, utility locates, preparation of design engineering, cost estimates, permitting, bidding, construction management and construction observation, community outreach, survey as-builts and certification through project close-out.

## Key Personnel:

Stephen C. Smith, P.E. – Senior Vice President; William H. Landis, P.E. – Senior Supervising Engineer; Al Caruso, E.I. – Project Manager; James Driscoll – Director of SUE; Tony Gomes – Senior Field Representative; William Tanto – Senior Field Representative

