



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

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

# BAL HARBOUR VILLAGE

## STORMWATER PUMP STATION No. 1

### 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.: 94-0140

CAS Profile No.: 6

### Project Description:

CAS prepared a Master Drainage Plan Report in 1994 in order to improve an existing drainage system that historically experienced significant and prolonged flooding during severe rain events. A major stormwater pump station was designed with two – 150 HP, 90 CFS pumps to alleviate flooding within the Village's residential area. Eight – 24 inch ejection wells were designed to meet water quality requirements. Since the existing drainage system was inadequately sized a new collection network was designed to upgrade the system. Approximately 10,345 LF of drainage pipe, ranging in size from 12-inch to 60-inch, and 64 inlets and manholes were installed. The total design and construction services costs for the project were \$355,000. Total construction was \$2,498,000. The project began in 1994 and was completed under budget in 1997.

### Responsibilities:

Survey, utility locates, preparation of engineering design and construction plans, cost estimates, contract documents, bidding, construction management and construction observation, and certification through project close-out.

### Key Personnel:

Stephen C. Smith, P.E. – Senior Vice President; William H. Landis, P.E. – Senior Supervising Engineer; Tony Gomes – Senior Field Representative

