



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

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

# VILLAGE OF EL PORTAL STORMWATER MASTER PLAN

## Project Description:

### Project Entity:

Village of El Portal  
500 NE 87<sup>th</sup> Street  
El Portal, FL 33138

### Contact:

Jason Walker  
Village Manager  
(305) 795-7880  
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CAS Project No.: 02-1080

CAS Profile No.: 12

A comprehensive Stormwater Master Plan was developed for the entire Village of El Portal to identify and determine corrective actions required to resolve existing flooding conditions throughout the Village. The Village was evaluated based on a year-long cycle of rain events and an analysis of properties with repetitive flooding. Preliminary cost estimates were developed for new and retrofitted stormwater systems through best management practices while addressing water quality and water quantity concerns. Preliminary surface water modeling was performed and projects were then ranked by priority. The estimated total cost of Village-wide stormwater improvements was \$8.1 million. The design costs for development of the Stormwater Master Plan was \$152,800. The Master Plan has proved beneficial to the Village in obtaining funding for numerous stormwater projects throughout the community. The Master Plan began in 2002 and was completed within a ten month timeframe.

## Responsibilities:

Survey, preliminary drainage design of infrastructure, drainage calculations and modeling, preliminary cost estimates, develop priority lists, construction details, stormwater-related maps and present findings to Village Commission.

## Key Personnel:

Stephen C. Smith, P.E. – Senior Vice President; Robert D. Keener, P.S.M. – Vice President of Survey; Orlando A. Rubio, P.E. – Senior Supervising Engineer; Al Caruso, E.I. – Project Manager; Tony Gomes – Senior Field Representative; Bill Tanto – Senior Field Representative

