

# STORMWATER FILTER MARSH PROJECT

## City of Naples, FL

SWC (Sandra Walters Consultants, Inc.) was in charge of field data collection and environmental documentation for the design and successful permitting of a filter marsh for the City of Naples stormwater system. SWC used extensive knowledge of wetland ecological systems and the environmental resource permitting process to assist in project design to minimize resource impacts and to prepare thorough and effective permit documents.

SWC responsibilities included:

- ❖ coordinate with South Florida Water Management District, Florida Department of Environmental Protection, and U.S. Army Corps of Engineers field and regulatory review staff to determine permitting responsibilities, acquire agency agreement with wetland jurisdictional determination, and facilitate permit application review,
- ❖ using federal and State of Florida methodologies, conduct field investigation to identify, evaluate and delineate wetlands within project area, the wetland jurisdictional determination from which has received approval from DEP field staff,
- ❖ document threatened and endangered species utilization of project area,
- ❖ take detailed field measurements using sub-meter accurate GPS equipment,
- ❖ characterize project area ecologically and map using ArcGIS 9.3 software.
- ❖ develop functional gain and loss scoring using Florida's Uniform Mitigation Assessment Method (UMAM),
- ❖ prepare detailed Existing Conditions Assessment & Wetland Delineation report to aid engineering team in development of project design,
- ❖ prepare detailed Impact Assessment and Mitigation Plan to implement final project design,
- ❖ respond to completeness summaries.

