

CORAL GARDENS STATION - STORM WATER TREATMENT AREA

Contract Value:	\$740,560
Performance Period:	November 2004 to April 2005
Site Location:	Stuart FL; Located ¼ Mile south of the intersection of Indian Street and S.R. 76 (Kanter Highway) on the east side of S.R. 76
Site Characteristics:	The existing canal which borders the north and east side of the project had both low water quality issues (unacceptable phosphate levels) and drainage backup issues with the surrounding communities.
Project Characteristics:	The project was designed to provide a storm water runoff treatment area to soften the phosphate levels as well as provide additional storage to reduce the amount of localized flooding after a rain event. The project consisted of diverting the existing canal through the new treatment area. The treatment area included an irregular flow channel flanked on either side by littoral zones. The littoral zones were planted with a variety of shallow water plants including: Swamp Lily, Spike Rush, Water Lily, Pickeral Weed, Bulrush, Cypress, etc. Finally, the treated runoff was release into the downstream canal system via a control weir (pictured below).
Owner:	Martin County Board of County Commissioners 2401 S.E. Monterey Road Stuart, FL 34996 Office of Water Quality Chief: Gary N. Roderick (772) 288-5470 - office (772) 288-5955 - fax

