

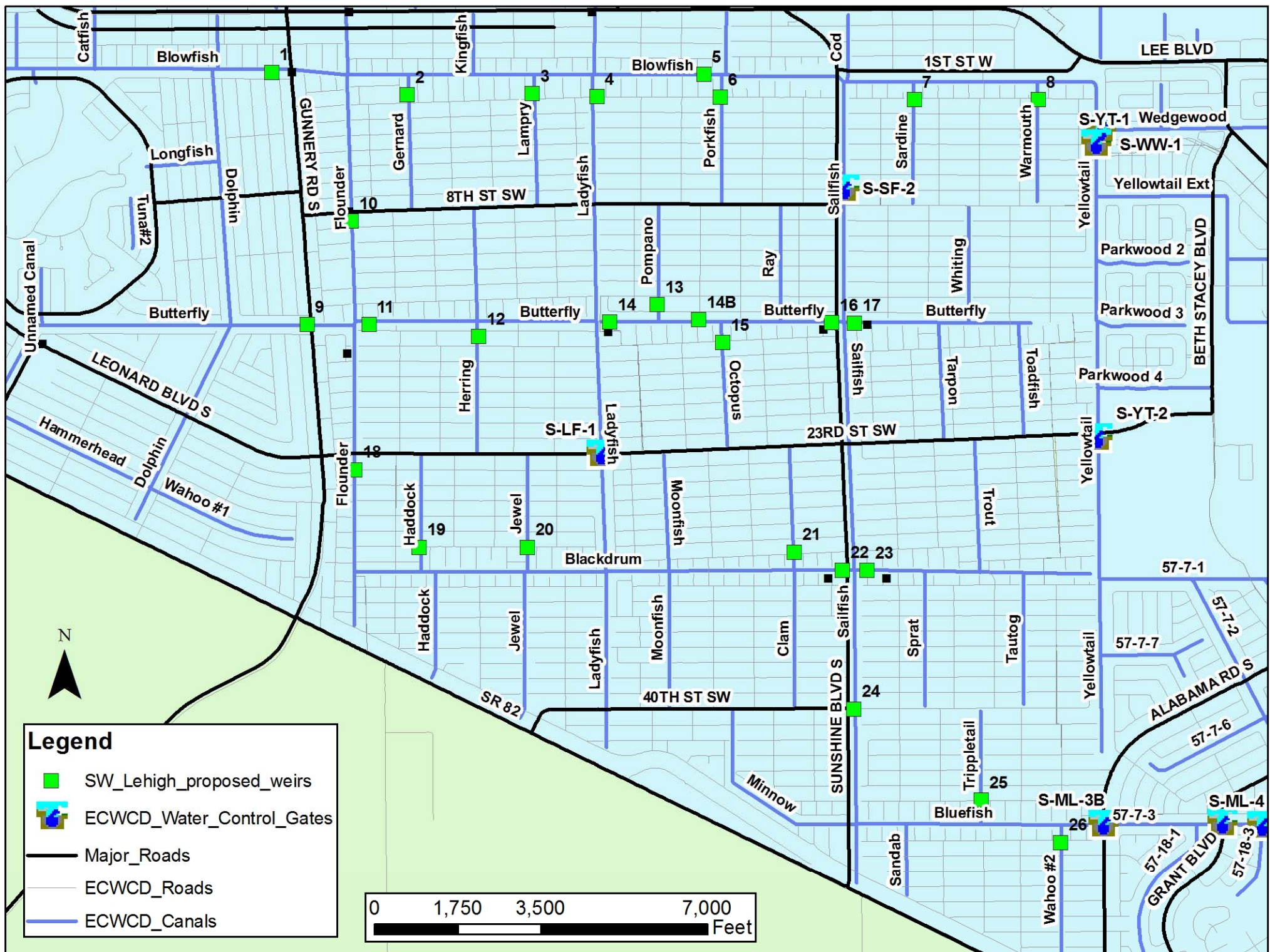
RESTORE Act Ecosystem Restoration Project Proposals
for consideration in the Gulf Coast Ecosystem Restoration Council's Comprehensive Plan
2012

Contact Information: David E. Lindsay-East County Water Control District-dlindsay@ecwcd.com					Date of Submittal: October 31, 2012		
Name of Project: Southwest Lehigh Weirs Project					Org and Rank: 2		
Project Description: The Southwest Lehigh Weirs project is located in an area that is named affectionately "the virtual desert" which is within the Orange River basin in Lehigh Acres. There are 27 individual weirs in roughly three sizes designed for this project. These weirs are strategically located and permitted to store the greatest amount of water possible under current development conditions. This is a "shovel ready" project that is just lacking sufficient funding for construction. The benefits of this project include: • Less freshwater discharge to the Orange River, Caloosahatchee River and it's estuarial system, and the Gulf of Mexico, during periods of wet season high-flows • Better water quality treatment prior to discharge into the Orange River • Increased storm water storage necessary for future growth • Groundwater recharge • Flood protection • Second ingress/egress point for some semi-isolated neighborhoods							
Project Location: Lee County. Latitude 26°36'12.805"N, Longitude 81°41'48.764"W							
Responsible Party: East County Water Control District				Partners: Lee County Government			
NEP: CHNEP		Project Cost: \$2,056,000			Dollars Needed: \$2,056,000		
Start: April 1, 2013				Completion: April 1, 2014			
Status of Project Design and Permitting: Designed and Permitted. Matching to date: 2008 CBIR - \$80,250; ECWCD Funds - \$82,547.41.							
What Date or Year could Construction Feasibly Begin: April 1, 2013							
Your Proposed Timing of Funding (given permits, phasing, staging, etc.)							
FY	12/13	13/14	14/15	15/16	16/17	17/18	Total
	\$1,028,000	\$1,028,000					
Quantify Environmental Results and How to Measure Them: This project will reduce peak flows during the wet season to the Orange River and Caloosahatchee River estuary, and the overall volume of freshwater to the estuary will be reduced.							
Economic Benefits (including ecosystem services): The economic benefit including ecosystem services is estimated to be \$31,100,000.							
Estimated number of Jobs Created or Preserved: 53							
How much Habitat will be restored and conserved?: 123 acres							
Quantify pollutant reductions: This project will remove an average of 87 Kg TP/year, and 896 Kg TN/year.							
What living coastal/marine resources will be improved and by how much?: Estuarine submerged aquatic vegetation and dependent biota such as oysters and fisheries will be improved due to reduced freshwater discharges to the Caloosahatchee River estuary. The degree of improvement has not been calculated.							
How will community resilience be enhanced? Higher groundwater levels in the dry season will							

reduce the need for extensive irrigation to keep lawns healthy, which will result in higher baseflows to the estuary.

Additional Justification: The project has been designed and permitted, thus it is shovel-ready.

Add any photos or maps that explain project: See attached supporting documents.





NORTH
SCALE 1" = 1000'

ECWCD SW BASIN STRUCTURES
MASTER SITE AERIAL

ECWCD
LEE COUNTY, FLORIDA

Quattrone & Associates, Inc.

Engineers, Planners, & Development Consultants
4301 Veronica Shoemaker Blvd - Fort Myers, Florida 33916 - 239-936-5222
Certificate of Authorization Number: 9465

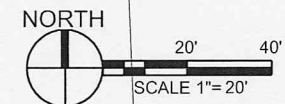
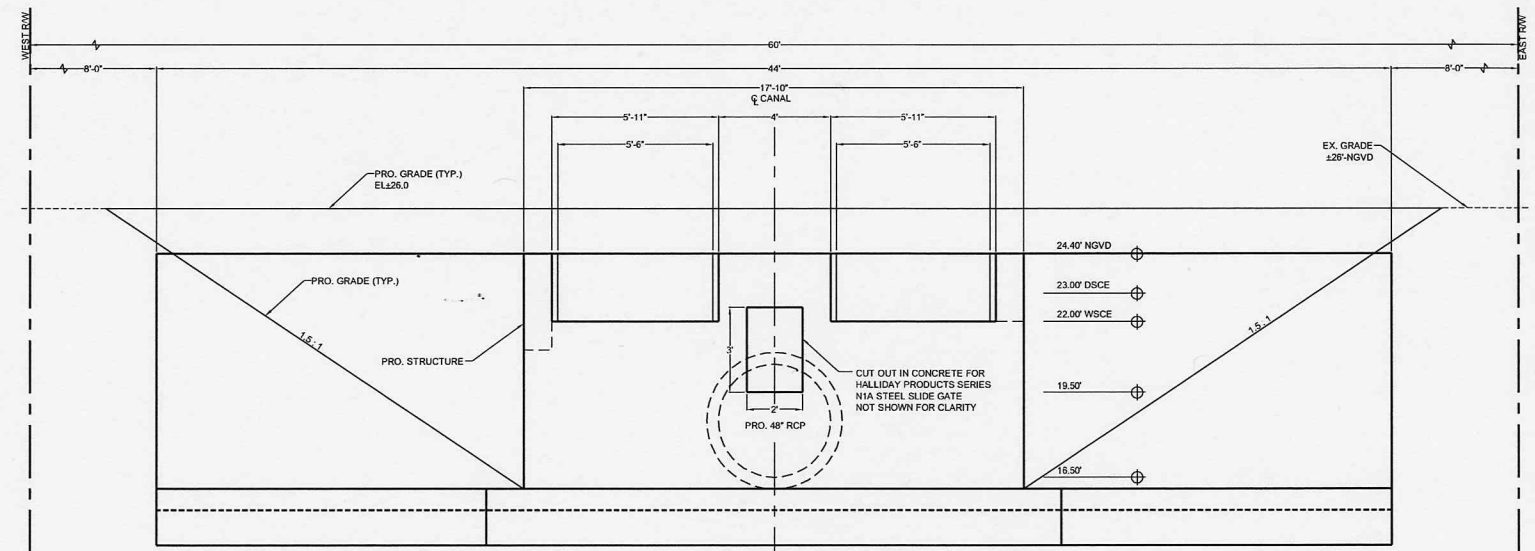
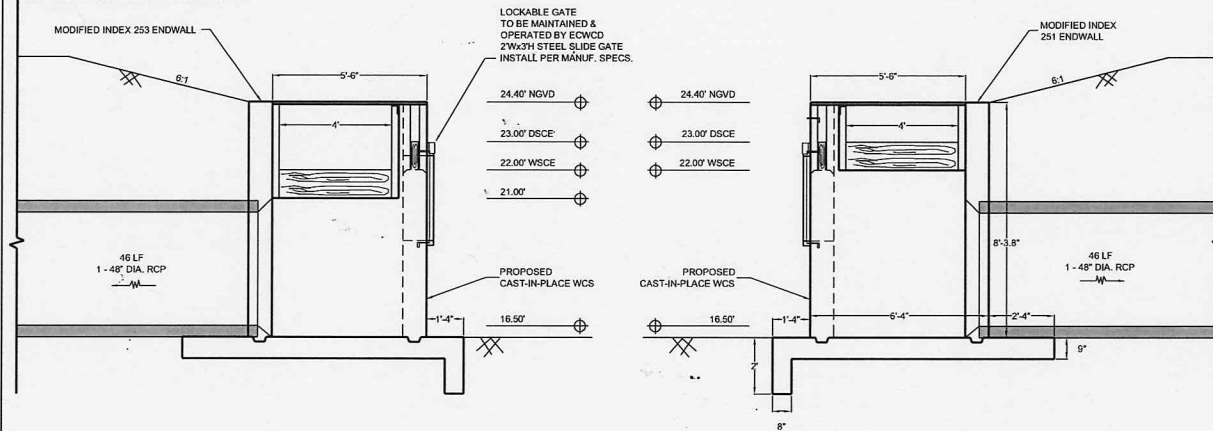
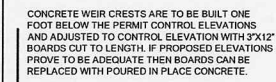


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REVISIONS

DATE	REVISIONS



090112 - N- NEW SURVEY DATA.DWG

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ECWCD SW BASIN STRUCTURES
STORMWATER STRUCTURE 2

STORMWATER STRUCTURE 2

GERNARD CANAL STRUCTURE
LEE COUNTY, FLORIDA

LEE COUNTY, FLORIDA

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