

## MEMORANDUM

**TO:** Governing Board Members

**FROM:** Kenneth G. Ammon, P.E., Deputy Executive Director, CERP

**DATE:** January 30, 2006

**SUBJECT:** C-44 Reservoir/Stormwater Treatment Area (STA) Project Reservoir and STA Test Cell Program Construction -- CN060052

### **Background:**

The C-44 Reservoir/Stormwater Treatment Area (STA) Project Reservoir and STA Test Cell Program construction contract is for Barnard Construction Company, Inc. to construct, operate, and maintain two (2) reservoir test cells and two (2) STA test cells. These test cells will provide key information on potential seepage impacts, embankment designs and placements, seepage collection canal design and placement, soil cement mixtures, in-reservoir water quality, grading techniques, and potential planting requirements that will be incorporated into the design for the main C-44 Reservoir/STA Project.

### **How this helps meet the District's 10-Year Strategic Plan:**

The C-44 Reservoir/STA Project is part of the Acceler8 Program. This contract supports the schedule, cost-effective, and design verification goals of the Project and the Acceler8 Program by obtaining information from these test cells that is anticipated to provide significant cost and schedule savings for the main C-44 Reservoir/STA construction as well as provide even greater confidence that the selected design is the appropriate design for this site and this project.

**Funding Source:** This is a 506-day contract with Barnard Construction Company, Inc., the lowest responsive and responsible bidder, for the C-44 Reservoir/STA Project Reservoir and STA Test Cell Program construction in the amount of \$8,975,000 for which dedicated funds (CERP Capital Construction Fund) in the amount of \$8,675,000 are budgeted and the remainder is subject to Governing Board approval of the FY07 budget.

**This Board item impacts what areas of the District, both resource areas and geography:** The C-44 test cell site is located on approximately 475 acres north of Minute Maid Road on a southwest corner of the 12,000-acre project site that is north of the C-44 Canal in Martin County. The work efforts in this contract will be monitored by Acceler8 staff.

**What concerns could this Board item raise?** This contract was competitively bid and Barnard Construction Company, Inc. was the lowest responsive and responsible bidder. Coincidentally, Barnard Construction Company, Inc. was also awarded the Everglades Agricultural Area (EAA) and C-43 test cell construction contracts.

**Why should the Governing Board approve this item?** The anticipated information to be obtained from this test cell program should provide several opportunities to incorporate significant cost and schedule savings into the main C-44 Reservoir/STA Project as well as provide additional design verifications, which significantly increase the ability of the C-44 Project and the Acceler8 Program to meet their goals.

KGA/safr  
Attachment – Resolution, Map