

ADD ON

Meeting Date
December 15, 2015



AGENDA	
Section	New Business
Item No.	VI A 2

AGENDA REPORT
BREVARD COUNTY BOARD OF COUNTY COMMISSIONERS

SUBJECT:	Florida Dept of Environmental Protection (FDEP) Cost Share Grant for Brevard County Johnson Jr. High School Pond Retrofits – Discharge Regulation, Phosphorus Reduction and Denitrification Project Fiscal Impact: Grant Revenue of \$239,500; Local Stormwater Match of \$244,700
DEPT/OFFICE:	Natural Resources Management Department (NRM)

Requested Action:

It is requested that the Board of County Commissioners: (1) Authorize the Chairman to execute the Contract for the grant agreement, between Brevard County (Grantee) and the FDEP (Grantor) for Brevard County Johnson Jr. High School Pond Retrofit cost-share funding subject to the approval of the County Attorney's Office and Risk Management; (2) Approve legal venue as Leon County; (3) Authorize the County Manager, or designee, to execute future contract amendments subject to the approval of the County Attorney's Office and Risk Management; and (4) Approve associated budget change requests.

Summary Explanation & Background:

The County has received notification of a cost share grant from the Florida Department of Environmental Protection (FDEP) for the approved CIP project - Brevard County Johnson Jr. High School Pond Retrofits – Discharge Regulation, Phosphorus Reduction and Denitrification Project. The upgrade of the existing retention pond will reduce the amount of pollution entering the Indian River Lagoon from stormwater runoff. This item is being presented to the Board for pre-approval without a draft contract from FDEP in order to meet state funding timelines. Execution of the final contract must occur prior to January 15th, 2016 or the funding may be in jeopardy.

The existing 2.8 acre retention pond will be retrofitted with a flow regulator to discharge stormwater from the pond at a limited flow rate through three chambers of denitrification and phosphorus sorption media. Regulation of the discharge flow will allow the outfall to be adjusted to increase the permanent pool volume of the pond. Pond discharge will be split into three media chambers, each containing a different formulation of bio-sorption activated media (BAM) to be evaluated and utilized for treatment. Natural and recycled materials will be used in the BAM chambers. Overall, this retrofit is estimated to reduce TP loads by 80% (27.04 kg/yr) and TN by 40% (187.14 kg/yr), beyond the existing pond's treatment capacity, from the 133 acre basin.

Local match for this project was previously approved by the Board in the FY 15-16 Capital Improvement Plan.

Fiscal Impact: FY 15-16 \$178,500 260050/6964401 Grant Revenue: **D-4:** \$232,500
 FY 16-17 \$66,200 260050/6964401 Grant Revenue: **D-4:** \$7,000

Contact: Virginia Barker or Bach McClure, Natural Resources Management Department

Clerk to the Board instruction:

Exhibits Attached: **ATTACHMENT A** - Project Location Map
ATTACHMENT B - Basin Area and Pond Map

Contract /Agreement (If attached): Reviewed by County Attorney Yes No PR

County Manager Stockton Whitten	Assistant County Manager	Department Director/Extension <i>Virginia Barker</i> Virginia Barker/X52435
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December 16, 2015

MEMORANDUM

TO: Virginia Barker, Natural Resources Management Director Attn: Bach McClure

RE: Item VI.A.2., Contract for Grant Agreement with Florida Department of Environmental Protection (FDEP) for Johnson Jr. High School Pond Retrofit Cost-Share Funding – Discharge Regulation, Phosphorus Reduction, and Denitrification Project

The Board of County Commissioners, in regular session on December 15, 2015, authorized the Chairman to execute the Contract for the grant agreement with FDEP for Brevard County Johnson Jr. High School Pond Retrofit cost-share funding, subject to the approval of the County Attorney's Office and Risk Management; approved legal venue as Leon County; authorized the County Manager, or his designee, to execute future contract amendments, subject to the approval of the County Attorney's Office and Risk Management; and approved associated budget change requests.

Your continued cooperation is greatly appreciated.

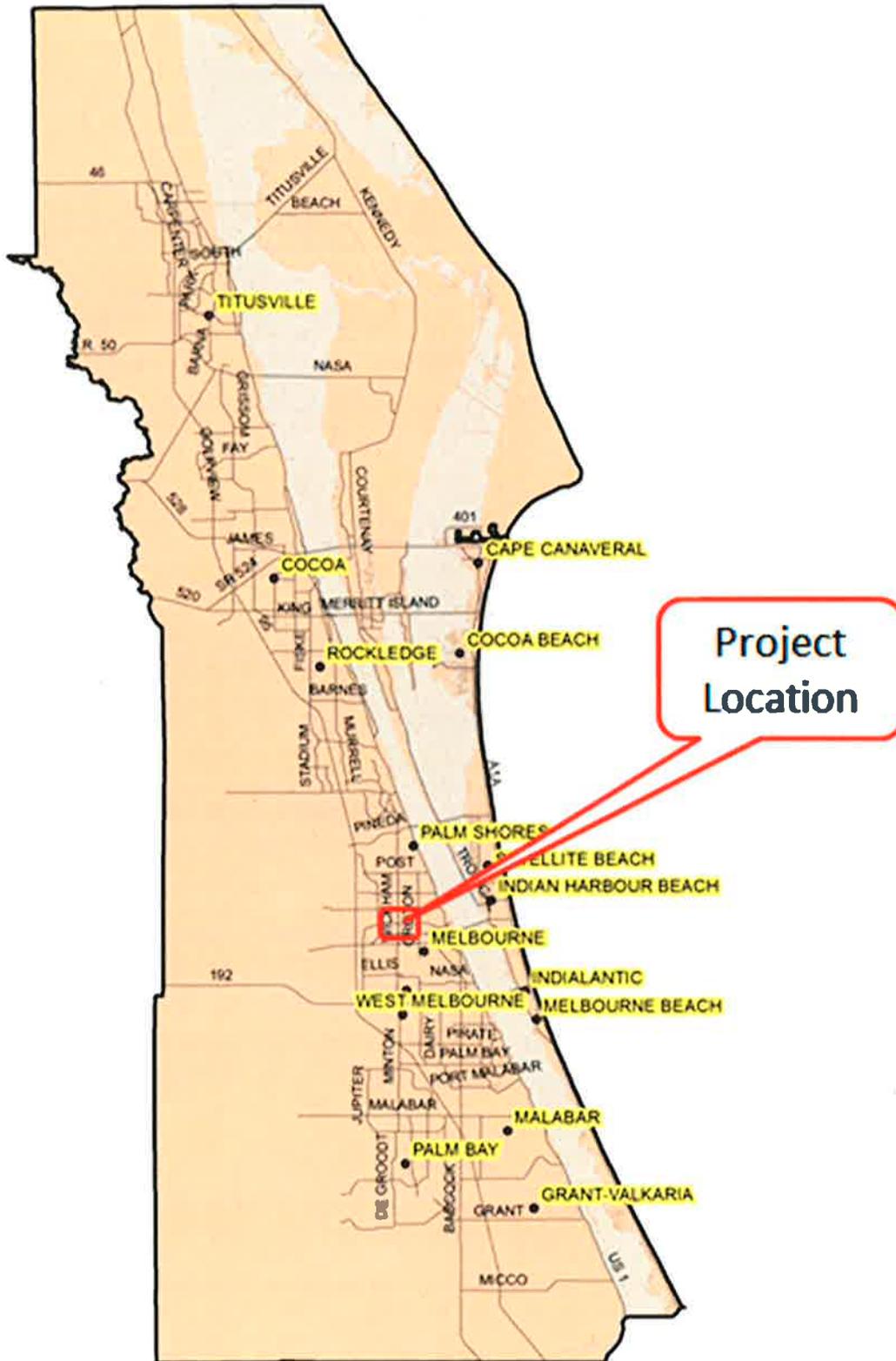
Sincerely yours,

BOARD OF COUNTY COMMISSIONERS
SCOTT ELLIS, CLERK

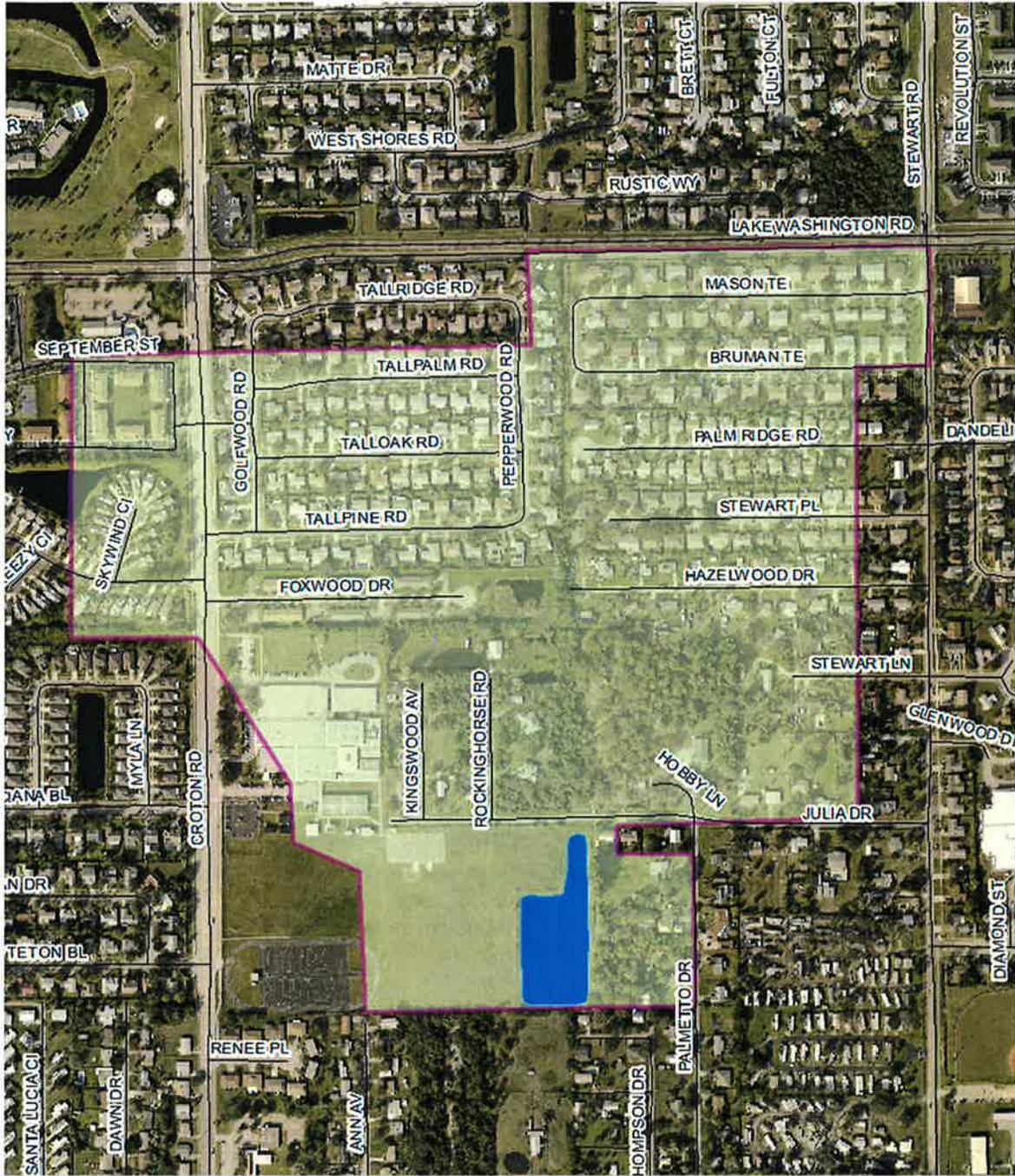
Tammy Etheridge, Deputy Clerk

cc: Finance
Budget

Attachment A



Attachment B



Basin Area and Pond Map