

PORT ST. LUCIE CITY COUNCIL  
AGENDA ITEM REQUEST

COUNCIL ITEM 13A  
DATE 10/24/11

Meeting Date: October 24, 2011

Public Hearing  Ordinance  Resolution  Motion

Item: Contract #20110128 – FDEP Grant Agreement #S0546 for EWIP (Eastern Watershed Stormwater Improvements) Cane Slough Stormwater Park – Phase II.

Recommended Action:

- 1) Approval of the Grant Agreement Contract Documents with the Florida Department of Environmental Protection (FDEP) in the amount of \$500,000.00 for assistance in constructing the Cane Slough Stormwater Treatment Area – Phase II that is part of the Eastern Watershed Improvement Project (EWIP).

Exhibits: Department memo attached [ X ] yes [ ] no  
Copy of Agreement No. S0546 with Attachment A, Attachment B and Attachment C (plan sheets).

Summary Explanation/Background Information:

This Stormwater Treatment Area and wetland project is a component of the Eastern Watershed Improvement Project that primarily consists of creating 61 acres of stormwater treatment retention areas in the eastern portion of the City. The City has received grant assistance from FDEP in the amount \$500,000.00 to construct Phase II of this project. The City will be responsible for providing a minimum match of \$2,146,286. The grant agreement remains in effect for 30 months. The Engineering Department recommends Council approve this agreement.

Purchase is budgeted in the 403 Fund.

Revenue: \$ 500,000.00

Director of OMB concurs with award: 

City Manager concurs with award: 

Department requests -0- minutes to make a presentation.

Submitted by: Patricia Roebling Date Submitted: 10/14/11

Title: City Engineer

**RECEIVED**

OCT 14 2011



"A City for All Ages"

# CITY OF PORT ST. LUCIE

Engineering Department

Accredited Agency – American Public Works Association



## MEMORANDUM

**TO:** CHERYL SHANABERGER – DEPUTY DIRECTOR OF OMB

**FROM:** JAMES E. ANGSTADT, P.E., CIVIL ENGINEER JEA

**DATE:** SEPTEMBER 7, 2011

**RE:** FDEP GRANT AGREEMENT (NO. S0546)  
EASTERN WATERSHED IMPROVEMENT PROJECT  
CANE SLOUGH II STA (LENNARD SQUARE STA)

The City of Port St. Lucie has received grant assistance from the Florida Department of Environmental Protection (FDEP) in the amount of \$500,000 for the construction of the Cane Slough II Stormwater Treatment Area (STA), also known as the Lennard Square STA which is one of the components of the Eastern Watershed Improvement Project (EWIP). Attached, please find a copy of the proposed grant agreement which we hereby request be processed and placed on the next available City Council Agenda for the City Council's consideration.

Highlights of the Agreement include:

- Agreement includes survey, design, permitting, construction, water quality monitoring and public outreach and education.
- FDEP will contribute \$500,000 on a cost reimbursement basis.
- The City is responsible for providing a minimum match of \$2,146,286.
- The grant agreement remains in effect for 30 months after execution.
- The City shall submit quarterly progress reports to FDEP

If you have any questions or require additional information, please do not hesitate to contact me.

/jea

c: Greg Oravec, Assistant City Manager  
Jesus Merejo, Utility Systems Director  
Patricia Roebing, P.E., City Engineer  
Kim Graham, P.E., Assistant City Engineer  
Dave Pollard, Director of OMB  
Dale Majewski, NPDES Program Manager  
Sue Walsh, Budget Specialist

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AGREEMENT NO. S0546

STATE OF FLORIDA  
GRANT AGREEMENT  
PURSUANT TO LINE ITEM 1764 OF THE 2010-2011 GENERAL APPROPRIATIONS ACT

THIS AGREEMENT is entered into between the STATE OF FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION, whose address is 3900 Commonwealth Boulevard, Tallahassee, Florida 32399-3000 (hereinafter referred to as the "Department") and the CITY OF PORT ST. LUCIE, whose address is 121 Southwest Port St. Lucie Boulevard, Port St. Lucie, Florida 34984 (hereinafter referred to as "Grantee" or "Recipient"), a local government, to provide financial assistance for the Port St. Lucie Eastern Watershed Stormwater Improvements, Cane Slough Stormwater Park-Phase II.

In consideration of the mutual benefits to be derived herefrom, the Department and the Grantee do hereby agree as follows:

1. The Grantee does hereby agree to perform in accordance with the terms and conditions set forth in this Agreement, **Attachment A, Grant Work Plan**, and all attachments and exhibits named herein which are attached hereto and incorporated by reference. For purposes of this Agreement, the terms "Contract" and "Agreement" and the terms "Grantee", "Recipient" and "Contractor", are used interchangeably.
2. This Agreement shall begin upon execution by both parties and remain in effect for a period of thirty (30) months, inclusive. The Grantee shall be eligible for reimbursement for work performed on or after the date of execution and until the expiration of this Agreement. This Agreement may be amended to provide for additional services if additional funding is made available by the Legislature.
3.
  - A. As consideration for the services rendered by the Grantee under the terms of this Agreement, the Department shall pay the Grantee on a cost reimbursement basis in an amount not to exceed \$500,000. The parties hereto agree that the Grantee is responsible for providing a minimum match of \$2,146,286 toward the project described in **Attachment A**.
  - B. The Grantee shall be reimbursed on a cost reimbursement basis for all eligible project costs, upon the completion, submittal and approval of deliverables identified in **Attachment A**, in accordance with the schedule therein. Reimbursement shall be requested utilizing **Attachment B, Payment Request Summary Form**. A final payment request must be submitted to the Department no later than two (2) weeks prior to the completion date of the Agreement, to assure the availability of funds for payment. Each payment request submitted shall document all matching funds and/or match efforts (i.e. in-kind services) provided during the period covered by each request. The final payment will not be processed until the match requirement has been met. In addition to the summary form, the Grantee must provide from its accounting system, a listing of expenditures charged against this Agreement. The listing shall include, at a minimum, a description of the goods or services purchased, date of the transaction, voucher number, amount paid, and vendor name. Travel expenses will not be reimbursed under the terms and conditions of this Agreement.
  - C. In addition to the invoicing requirements contained in paragraph 3.B. above, the Department will periodically request proof of a transaction (invoice, payroll register, etc.) to evaluate the appropriateness of costs to the Agreement pursuant to State and Federal guidelines (including cost allocation guidelines), as appropriate. This information, when requested, must be provided within thirty (30) calendar days of such request. The Grantee may also be required to submit a cost allocation plan to the Department in support of its multipliers (overhead, indirect, general administrative costs, and fringe benefits). All bills for amounts due under this Agreement shall be submitted in detail sufficient for a proper pre-audit and post-audit thereof. State guidelines for

allowable costs can be found in the Department of Financial Services' Reference Guide for State Expenditures at <http://www.fldfs.com/aadir/reference%5Fguide>.

- D.
1. The accounting systems for all Grantees must ensure that these funds are not commingled with funds from other agencies. Funds from each agency must be accounted for separately. Grantees are prohibited from commingling funds on either a program-by-program or a project-by-project basis. Funds specifically budgeted and/or received for one project may not be used to support another project. Where a Grantee's, or subrecipient's, accounting system cannot comply with this requirement, the Grantee, or subrecipient, shall establish a system to provide adequate fund accountability for each project it has been awarded.
  2. If the Department finds that these funds have been commingled, the Department shall have the right to demand a refund, either in whole or in part, of the funds provided to the Grantee under this Agreement for non-compliance with the material terms of this Agreement. The Grantee, upon such written notification from the Department shall refund, and shall forthwith pay to the Department, the amount of money demanded by the Department. Interest on any refund shall be calculated based on the prevailing rate used by the State Board of Administration. Interest shall be calculated from the date(s) the original payment(s) are received from the Department by the Grantee to the date repayment is made by the Grantee to the Department.
  3. In the event that the Grantee recovers costs, incurred under this Agreement and reimbursed by the Department, from another source(s), the Grantee shall reimburse the Department for all recovered funds originally provided under this Agreement. Interest on any refund shall be calculated based on the prevailing rate used by the State Board of Administration. Interest shall be calculated from the date(s) the payment(s) are recovered by the Grantee to the date repayment is made to the Department by the Grantee.
4. The State of Florida's performance and obligation to pay under this Agreement is contingent upon an annual appropriation by the Legislature. The parties hereto understand that this Agreement is not a commitment of future appropriations.
  5. The Grantee shall utilize **Attachment C, Progress Report Form**, to describe the work performed, problems encountered, problem resolution, schedule updates and proposed work for the next reporting period. Quarterly reports shall be submitted to the Department's Grant Manager no later than twenty (20) days following the completion of the quarterly reporting period. It is hereby understood and agreed by the parties that the term "quarterly" shall reflect the calendar quarters ending March 31, June 30, September 30 and December 31. The Department's Grant Manager shall have ten (10) calendar days to review the required reports and deliverables submitted by the Grantee.
  6. Each party hereto agrees that it shall be solely responsible for the negligent or wrongful acts of its employees and agents. However, nothing contained herein shall constitute a waiver by either party of its sovereign immunity or the provisions of Section 768.28, Florida Statutes.
  7.
    - A. The Department may terminate this Agreement at any time in the event of the failure of the Grantee to fulfill any of its obligations under this Agreement. Prior to termination, the Department shall provide thirty (30) calendar days written notice of its intent to terminate and shall provide the Grantee an opportunity to consult with the Department regarding the reason(s) for termination.
    - B. The Department may terminate this Agreement for convenience by providing the Grantee with thirty (30) calendar days written notice.

8. This Agreement may be unilaterally canceled by the Department for refusal by the Grantee to allow public access to all documents, papers, letters, or other material made or received by the Grantee in conjunction with this Agreement, unless the records are exempt from Section 24(a) of Article I of the State Constitution and Section 119.07(1)(a), Florida Statutes.
9. The Grantee shall maintain books, records and documents directly pertinent to performance under this Agreement in accordance with generally accepted accounting principles consistently applied. The Department, the State, or their authorized representatives shall have access to such records for audit purposes during the term of this Agreement and for five (5) years following Agreement completion. In the event any work is subcontracted, the Grantee shall similarly require each subcontractor to maintain and allow access to such records for audit purposes.
10. A. In addition to the requirements of the preceding paragraph, the Grantee shall comply with the applicable provisions contained in **Attachment D, Special Audit Requirements**, attached hereto and made a part hereof. **Exhibit 1 to Attachment D** summarizes the funding sources supporting the Agreement for purposes of assisting the Grantee in complying with the requirements of **Attachment D**. A revised copy of **Exhibit 1** must be provided to the Grantee for each amendment which authorizes a funding increase or decrease. If the Grantee fails to receive a revised copy of **Exhibit 1**, the Grantee shall notify the Department's Grants Development and Review Manager at 850/245-2361 to request a copy of the updated information.
- B. The Grantee is hereby advised that the Federal and/or Florida Single Audit Act Requirements may further apply to lower tier transactions that may be a result of this Agreement. The Grantee shall consider the type of financial assistance (federal and/or state) identified in **Attachment D, Exhibit 1** when making its determination. For federal financial assistance, the Grantee shall utilize the guidance provided under OMB Circular A-133, Subpart B, Section \_\_.210 for determining whether the relationship represents that of a subrecipient or vendor. For state financial assistance, the Grantee shall utilize the form entitled "Checklist for Nonstate Organizations Recipient/Subrecipient vs. Vendor Determination" (form number DFS-A2-NS) that can be found under the "Links/Forms" section appearing at the following website:
- <https://apps.fldfs.com/fsaa>
- The Grantee should confer with its chief financial officer, audit director or contact the Department for assistance with questions pertaining to the applicability of these requirements.
- C. In addition, the Grantee agrees to complete and submit the **Certification of Applicability to Single Audit Act Reporting, Attachment E**, attached hereto and made a part hereof, within four (4) months following the end of the Grantee's fiscal year. Attachment E should be submitted to the Department's Grants Development and Review Manager at 3900 Commonwealth Boulevard, Mail Station 93, Tallahassee, Florida 32399-3000. The Grants Development and Review Manager is available to answer any questions at (850) 245-2361.
11. A. The Grantee may subcontract work under this Agreement without the prior written consent of the Department's Grant Manager. The payment terms of subcontracts (other than construction and the purchase of commodities) shall comply with the terms of this Agreement (for example, if payment under this Agreement is being made on a cost reimbursement basis, then the subcontract should also be cost reimbursement). The Grantee shall submit a copy of the executed subcontract to the Department within ten (10) days after execution. The Grantee agrees to be responsible for the fulfillment of all work elements included in any subcontract and agrees to be responsible for the payment of all monies due under any subcontract. It is understood and agreed by the Grantee that the Department shall not be liable to any subcontractor for any expenses or liabilities incurred under the subcontract and that the Grantee shall be solely liable to the subcontractor for all expenses and liabilities incurred under the subcontract.

B. The Department of Environmental Protection supports diversity in its procurement program and requests that all subcontracting opportunities afforded by this Agreement embrace diversity enthusiastically. The award of subcontracts should reflect the full diversity of the citizens of the State of Florida. A list of minority owned firms that could be offered subcontracting opportunities may be obtained by contacting the Office of Supplier Diversity at (850) 487-0915.

12. In accordance with Section 216.347, Florida Statutes, the Grantee is hereby prohibited from using funds provided by this Agreement for the purpose of lobbying the Legislature, the judicial branch or a state agency.
13. The Grantee shall comply with all applicable federal, state and local rules and regulations in providing services to the Department under this Agreement. The Grantee acknowledges that this requirement includes compliance with all applicable federal, state and local health and safety rules and regulations. The Grantee further agrees to include this provision in all subcontracts issued as a result of this Agreement.
14. Any notices between the parties shall be considered delivered when posted by Certified Mail, return receipt requested, or overnight courier service, or delivered in person to the Grant Managers at the addresses below.
15. The Department's Grant Manager for this Agreement is identified below.

Taufiqul Aziz	
Florida Department of Environmental Protection	
Nonpoint Source Management Section	
2600 Blair Stone Road, MS 3570	
Tallahassee, Florida 32399-2400	
Telephone No.:	(850) 245-8415
Fax No.:	(850) 245-8434
E-mail Address:	<a href="mailto:Taufiqul.aziz@dep.state.fl.us">Taufiqul.aziz@dep.state.fl.us</a>

16. The Grantee's Grant Manager for this Agreement is identified below.

Gregory Oravec	
121 Southwest Port St. Lucie Boulevard	
Port St. Lucie, Florida 34984	
Telephone No.:	(772) 871-5163
Fax No.:	(772) 871-5248
E-mail Address:	<a href="mailto:goravec@cityofpsl.com">goravec@cityofpsl.com</a>

17. To the extent required by law, the Grantee will be self-insured against, or will secure and maintain during the life of this Agreement, Workers' Compensation Insurance for all of its employees connected with the work of this project and, in case any work is subcontracted, the Grantee shall require the subcontractor similarly to provide Workers' Compensation Insurance for all of the latter's employees unless such employees are covered by the protection afforded by the Grantee. Such self-insurance program or insurance coverage shall comply fully with the Florida Workers' Compensation law. In case any class of employees engaged in hazardous work under this Agreement is not protected under Workers' Compensation statutes, the Grantee shall provide, and cause each subcontractor to provide, adequate insurance satisfactory to the Department, for the protection of his employees not otherwise protected.
18. The Grantee warrants and represents that it is self-funded for liability insurance, appropriate and allowable under Florida law, and that such self-insurance offers protection applicable to the Grantee's officers, employees, servants and agents while acting within the scope of their employment with the Grantee.

19. The Grantee covenants that it presently has no interest and shall not acquire any interest which would conflict in any manner or degree with the performance of services required.
20. Reimbursement for equipment purchases costing \$1,000 or more is not authorized under the terms and conditions of this Project Agreement.
21. The Department may at any time, by written order designated to be a change order, make any change in the Grant Manager information or task timelines within the current authorized Agreement period. All change orders are subject to the mutual agreement of both parties as evidenced in writing. Any change, which causes an increase or decrease in the Grantee's cost or time, shall require formal amendment to this Agreement.
22. If the Grantee's project involves environmentally related measurements or data generation, the Grantee shall develop and implement quality assurance practices consisting of policies, procedures, specifications, standards, and documentation sufficient to produce data of quality adequate to meet project objectives and to minimize loss of data due to out-of-control conditions or malfunctions. All sampling and analyses performed under this Agreement must conform with the requirements set forth in Chapter 62-160, Florida Administrative Code, and the Quality Assurance Requirements for Department Agreements, attached hereto and made part hereof as **Attachment F, Quality Assurance Requirements**.
23.
  - A. No person, on the grounds of race, creed, color, national origin, age, sex, or disability, shall be excluded from participation in; be denied the proceeds or benefits of; or be otherwise subjected to discrimination in performance of this Agreement.
  - B. An entity or affiliate who has been placed on the discriminatory vendor list may not submit a bid on a contract to provide goods or services to a public entity, may not submit a bid on a contract with a public entity for the construction or repair of a public building or public work, may not submit bids on leases of real property to a public entity, may not award or perform work as a contractor, supplier, subcontractor, or consultant under contract with any public entity, and may not transact business with any public entity. The Florida Department of Management Services is responsible for maintaining the discriminatory vendor list and intends to post the list on its website. Questions regarding the discriminatory vendor list may be directed to the Florida Department of Management Services, Office of Supplier Diversity, at 850/487-0915.
24. Land acquisition is not authorized under the terms of this Agreement.
25. If a court deems any provision of this Agreement void or unenforceable, that provision shall be enforced only to the extent that it is not in violation of law or is not otherwise unenforceable and all other provisions shall remain in full force and effect.
26. This Agreement represents the entire agreement of the parties. Any alterations, variations, changes, modifications or waivers of provisions of this Agreement shall only be valid when they have been reduced to writing, duly signed by each of the parties hereto, and attached to the original of this Agreement, unless otherwise provided herein.

REMAINDER OF PAGE INTENTIONALLY LEFT BLANK

IN WITNESS WHEREOF, the parties have caused this Agreement to be duly executed, the day and year last written below.

CITY OF PORT ST. LUCIE

STATE OF FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION

By: \_\_\_\_\_  
Title: \*

By: \_\_\_\_\_  
Secretary or designee

Date: \_\_\_\_\_

Date: \_\_\_\_\_

\_\_\_\_\_  
Taufiqul Aziz, DEP Grant Manager

\_\_\_\_\_  
DEP Contracts Administrator

Approved as to form and legality:

\_\_\_\_\_  
DEP Attorney

FEID No.: 59-6141662

\*For Agreements with governmental boards/commissions: If someone other than the Chairman signs this Agreement, a resolution, statement or other document authorizing that person to sign the Agreement on behalf of the Grantee must accompany the Agreement.

List of attachments/exhibits included as part of this Agreement:

Specify Type	Letter/ Number	Description (include number of pages)
<u>Attachment</u>	<u>A</u>	<u>Grant Work Plan (13 Pages)</u>
<u>Attachment</u>	<u>B</u>	<u>Payment Request Summary Form (2 Pages)</u>
<u>Attachment</u>	<u>C</u>	<u>Progress Report Form (2 Pages)</u>
<u>Attachment</u>	<u>D</u>	<u>Special Audit Requirements (5 Pages)</u>
<u>Attachment</u>	<u>E</u>	<u>Certification of Applicability to Single Audit Act Reporting (3 Pages)</u>
<u>Attachment</u>	<u>F</u>	<u>Quality Assurance Requirements (14 Pages)</u>

**ATTACHMENT A  
GRANT WORK PLAN**

**PROJECT NAME:** Port St. Lucie's EWIP (Eastern Watershed Stormwater Improvements) Cane Slough Stormwater Park – Phase II

<b>PROJECT FUNDING:</b>	TMDL Grant	\$500,000
	Matching Funds	\$2,146,286
	Total Project Cost	\$2,646,286

**LEAD ORGANIZATION:** City of Port St. Lucie

**CONTACT PERSON:** Gregory Oravec, Assistant City Manager

**ADDRESS:** 121 SW Port St. Lucie

**PHONE:** (772) 871-5163

**FAX:** (772) 871-5248

**EMAIL:** goravec@cityofpsl.com

**COOPERATING ORGANIZATIONS AND CONTACT PERSON :**

1. City of Port St. Lucie (PSL)
2. Port St. Lucie Community Redevelopment Agency
3. South Florida Water Management District--St. Lucie Issues Team, SFWMD funding
4. Indian River Lagoon Program
5. St Lucie County

**PROJECT ABSTRACT:**

The City of Port St. Lucie has a number of proactive programs to address water quality degradation in its impaired water bodies. In the North Fork of the St. Lucie River Watershed, lies the Eastern Watershed Improvement Project (EWIP), a water quality treatment and stormwater improvement project planned to reduce and remove nutrient and total nitrogen contributions to the impaired water body that flows to the St. Lucie Estuary and Indian River Lagoon, both Surface Water Improvement and Management (SWIM) priority waterbodies and is designated as an Estuary of National Significance in the Environmental Protection Agency (EPA) National Estuary Program. The Eastern Watershed includes the Howard Creek Drainage Basin, the Midport Drainage Basin, the Eastport Ph 1/Tiffany Drainage Basin and the Eastport Ph 2/Blackwell Drainage Basin. Portions of the Howard Creek Drainage Basin currently direct untreated stormwater from the city's drainage system into the North Fork of the St. Lucie River, as well as the Indian River Lagoon. This project is the Second Phase of the EWIP Cane Slough Stormwater Park that will be constructed on the Azzi Parcel. The Azzi Parcel is located southeast across the Lennard Road-Cane Slough intersection from the first phase of the EWIP Cane Slough Stormwater Park. The Phase II Cane Slough Stormwater Park will act as a polishing pond for the Phase I stormwater discharges. Both phases of the EWIP Cane Slough Stormwater Park improvements will enhance stormwater detention and treatment for existing residential and commercial developments in the Howard Creek Drainage Basin, that were built prior to the adoption of current stormwater criteria. The Phase II project will provide additional treatment train components consisting of a 5-acre deep cell and an additional 4-acre Stormwater Treatment Area (STA) Wetland Marsh Flow-Way that will serve as a polishing cell for removal of pollutants, settling of sediments, and removal of nitrogen from stormwater. The treatment train project will include the installation of outfall structures to control drainage discharges. These improvements will restore hydraulic capacity, improve water quality and attenuate stormwater flows discharging to the North Fork of the St. Lucie River. This is a stormwater retrofit and habitat restoration project to increase water quality treatment, provide peak discharge attenuation, provide stormwater pollutant removals, increase wildlife habitat (especially wood stork habitat) and provide passive recreation opportunities. Water quality monitoring and an educational component are planned for the project.

**PROJECT LOCATION AND WATERSHED CHARACTERISTICS:**

Eastern Watershed is located on the east side of the City, east of the North Fork of the St. Lucie River; west of the Savannahs State Preserve; south of the Spanish Lakes PUD mobile home park (in unincorporated St. Lucie County); and north and west of the St. Lucie/Martin County line. The Eastern Watershed includes the Howard Creek Drainage Basin, the Midport Drainage Basin, the Eastport Ph 1/Tiffany Drainage Basin and the Eastport Ph 2/Blackwell Drainage Basin. The site is located east of the North Fork of the St. Lucie River, north of the St. Lucie County / Martin County line in Section 13, Township 37 South, Range 40 East in St. Lucie County, within the City of Port St Lucie within WBID 3194.

Both WBIDs 3194 and 3194B cover most of Port St. Lucie, the southeastern portion of the St. Lucie County Municipal Separate Storm Sewer System (MS4) area, and the northern portions of Stuart and urban Martin County. See Figure 1 (Vicinity Map) for overall project location.

**Water Body Name:** North Fork of the St. Lucie River, WBID 3194  
**Hydrologic Unit Code (HUC):** 03080103 St. Lucie River Estuary Watershed  
**Project Latitude:** 27°16'12"  
**Project Longitude:** 80°17'02"

**Land Uses within the Watershed** (acres and percentages of total):

Land Use	Acres	%
Residential	129	42.2%
Commercial	67	21.9%
Industrial	9	2.9%
Transportation	33	10.8%
Undeveloped	68	22.2%
<b>Land Use Totals (Acreage and %)</b>	<b>306</b>	<b>100%</b>

**TMDL STATUS OF WATER BODY AND PROJECT:**

**Name of Impaired Water:** North Fork of the St. Lucie River, WBID 3194  
**Status of Impaired Water:** Impaired; linked to high TP and BOD, Nutrients Impaired.  
**TMDL Endpoints:** TN Target: 0.72 mg/L; TP Target: 0.081 mg/L; BOD Target: 2.0 mg/L  
**Status of BMAP:** Action plan activities in progress.

**POLLUTION REDUCTION STRATEGY:**

The City of Port St. Lucie uses the following watershed-based plans, which have identified causes and sources that need to be controlled for pollution load reduction to be achieved in the Indian River Lagoon. These plans include:

- The Indian River Lagoon SWIM Plan (2002): This project supports the primary project objective in the SWIM Plan to reduce the source of nonpoint source pollution to the Indian River Lagoon by treating the runoff and releasing the treated stream to groundwater recharge, thereby mimicking the natural hydrologic path of rainfall and runoff to groundwater, which then seeps into the estuary.
- Indian River Lagoon Comprehensive Conservation & Management Plan (1998):
  - (1) Action FSD-4 - Develop and implement new or improved BMPs for management of freshwater discharges or stormwater management.
  - (2) Action FSD-8 - Enact legislation allowing the use of State Revolving Trust-Fund monies for nonpoint source control projects, such as freshwater and stormwater discharge management.
  - (3) Action FSD-13 - Upgrade existing stormwater drainage systems.
- Port St. Lucie Eastern Watershed Drainage Report (CAPTEC Engineering, 2009): recommends Treatment Train Technology using swales, wet detention ponds, stormwater treatment areas, control structures, and improved stormwater conveyance.
- Port St. Lucie 5-year Capital Improvement Program: The project is listed for completion in the City's program recently when the City Council approved the Eastern Watershed Drainage Report. This project has been listed as the number one priority project for the 5-year plan for stormwater infrastructure improvements.

This project will reduce estimated pollutant loadings of TSS by 91%, phosphorus by 69%, nitrogen by 48% and BOD by 63% and has the potential to retain freshwater flowing to the Indian River Lagoon, which currently degrades water quality and reduces seagrass propagation in this area.

The City of Port St. Lucie embraces several of the Actions in the Indian River Lagoon Comprehensive Conservation and Management Plan (IRLCCMP). This urban stormwater retrofit Best Management Practice (BMP) satisfies these actions of the IRLCCMP: FSD-4, FSD-6, FSD 11, FSD13, W-6, W-7, PIE-2 and PIE-4, the improvement and the need for stormwater management within the City for resource protection (FSD-11, PIE-3, PIE-4).

The total cost associated with implementation of all improvements noted in the Eastern Watershed Drainage Report is estimated at \$36 million for land purchase and construction. The construction costs are estimated in excess of \$16.4 million. The City will fund these improvements using bonds supported by the Stormwater Utility Fees. The grant funds will support park amenities installation.

The public education component will include coverage of the project in the weekly City of Port St Lucie City wide newsletter, televised public service announcements, charettes, door hangers, and news items in local sections of the local newspapers. Press releases will be distributed upon project completion and educational signage will be provided on site.

As with all Municipal Separate Storm Sewer System (MS4) entities, the City is mandated to develop and implement a stormwater management program of quantifiable goals and BMPs for six minimum control measures. This project will assist the City in its effort to implement most of these goals including (1) Public Education and Outreach, (2) Public Participation/Involvement, (3) Illicit Discharge Detection and Elimination, (4) Construction Site Runoff Control, (5) Post Construction Runoff Control, and (6) Pollution Prevention Good Housekeeping.

The projected schedule for the City's Stormwater Master Plan is projected out over 10 year and 20 year timelines, based on availability of funding. The Total Maximum Daily Load's (TMDLs) and Pollutant Load Reduction Goals (PLRGs) established for the Indian River Lagoon will be utilized by the City for planning reference.

Pre-project and post-project monitoring is planned for this project utilizing criteria suggested under 319(h) guidance.

#### **PROJECT OBJECTIVE(S):**

- (1) Reduce estimated pollutant loadings of TSS by 91%, phosphorus by 69%, nitrogen by 48%, and BOD by 63%;
- (2) Construct a treatment train of Wet pond and wetland flow through polishing cell to treat stormwater flows from a 306-acre drainage basin, of which 118.3 acres receive no stormwater treatment;
- (3) Implement an educational program that will tell the stormwater story and highlight the benefits of this project to improve water quality in the North Fork of the St. Lucie River; and
- (4) Implement a water quality monitoring program that will provide feedback on the pollutant removal efficiency of the constructed BMPs.

#### **PROJECT DESCRIPTION**

The Phase II EWIP Cane Slough Stormwater Park project site (see Figure 2, Project Area Map) contains 11.58 acres of recently acquired City lands that are located within the headwaters of Howard Creek, which outfalls to the North Fork of the St. Lucie River. Though the City-owned land is currently vacant, it is located in an urban infill area surrounded by a mix of residential and commercial land uses. This project offers a unique opportunity for the City to utilize the land for the construction of a greatly-needed stormwater treatment area, as well as, an ideal location for a public multi-use recreational park. Park-land is also in high demand in Port St. Lucie, once known as one of the nation's fastest growing cities. The City plans to eradicate all exotics from the project site to allow for full restoration of pine forest and scrubby flatwoods at the site. Next, the City will construct two cells, a 5-acre wet pond (deep cell), connecting to a 4 acre wetland polishing flow through marsh. The wet pond will not only treat stormwater, but the wetland area will provide desirable habitat for many wading birds and the endangered wood stork that frequents the surrounding area (see Figure 3, Site Design Plan). Restoration of these vegetated habitats will allow for these communities to provide habitat for gopher tortoise, migratory birds, box turtles, woodpeckers, and amphibians. The tree density will be reduced to improve habitat for gopher tortoises. The City plans to construct a walking trail, benches and educational kiosk, that will relate the stormwater story to the public, and an elevated boardwalk with wildlife viewing platform over the re-vegetated wetland will also be constructed. Construction of this Stormwater Treatment Area (STA) and adjacent wetlands are an extension of the City's Wood Stork Trail Greenway from the north, which has been a 10-year effort by the City to

acquire land and strategically place wet ponds and wetland areas, as well as open space green areas for the treatment of stormwater and enhancement of natural communities from Village Green at the north of the City's Eastern Watershed straight along Lennard Road to the City's southern boundary, including this project site. This project is Phase II of the Cane Slough Stormwater Park within the Wood Stork Trail Greenway. Key Items of the STA construction are:

- 5-acre wet pond
- 4-acre wetland polishing area
- Walking trail/sidewalks
- Benches for pedestrian viewing
- Educational Kiosk
- 72" Outfall Pipe

This STA and wetland project is one component of EWIP that primarily consists of creating 61 acres of stormwater treatment retention areas; constructing a new pumping station; modernizing the existing Blackwell and Tiffany Pump Stations; and restoring historical water flow within conveyances which have become constricted or blocked due to invasive exotic vegetation and/or siltation. This project is part of a larger \$36 million effort by the City to create cascading stormwater pond systems in a north to south flow to allow for stormwater to be treated before being released to the St. Lucie Estuary.

**PUBLIC EDUCATION & OUTREACH:** The PSL Public Works and Engineering Departments will work cooperatively to raise awareness about stormwater management and educate residents about the role they play in reducing nonpoint source pollution. The proposed activities use the engineering project as a means to engage local residents in the stormwater treatment process and educate them on the impacts their daily activities can have on water resources. The project will be highlighted on the City's Website for its overall water quality benefits. The campaign will utilize three different strategies to reach homeowners adjacent to the project and City residents at large with the outreach message.

1. City Council Planning Meetings – Several City Council meetings have been held to inform area residents about the importance of stormwater management, clarify how their actions contribute to pollution prevention, and encourage their input to project planning. These meetings have been conducted on two different dates to accommodate the largest audience. Details of the Stormwater Quality Retrofit project were delivered and residents asked questions and commented on the project. The audience learned about nonpoint source pollution impacts and how they are part of the solution. The meetings were held at the City of Port St. Lucie Community Center and City Council Chambers and City staff, the City's Engineering Consultant and the City's National Pollutant Discharge Elimination System (NPDES) coordinator presented materials. Project specifications and work area designs were distributed as well as homeowner best management practices and nonpoint source pollution prevention information.

2. Written media - Approximately 600 residents living adjacent to the project site have been contacted by mail and through door hangers notifying them of the meetings. Notices and information are continuously posted on City public bulletin boards and web sites and the City publishes an EWIP Quarterly Newsletter. Homeowner input is invaluable during the pre-construction phase and the City has and will make every opportunity for continued homeowner participation. Funding is requested to support these public outreach efforts and distribution will be conducted through City personnel in-kind service.

3. Public Service Announcements - Television public service announcements will be produced and aired on the City's local government access channel. The programming will be aired at least two times a day for two weeks, and then once a day for thirty days and once a week for thirty days. The video clip will describe the City's efforts to manage stormwater and how residents can "do their part" to reduce stormwater impacts. It will include a short studio interview followed by field shots of the project area and nonpoint source pollution prevention practices. The City's staff videographer will collect field footage and compile existing footage. The City will contribute in-kind match in the form of studio filming and editing, existing footage and personnel time.

**ESTIMATED POLLUTANT LOAD REDUCTION:**

BMP's Installed		TSS kg/yr	TP kg/yr	TN kg/yr	BOD kg/yr	Other kg/yr	Other kg/yr
Wet Pond						lead	zinc
Pollutant Loads	Pre-Project	36,605.1	69.9	984.5		3,237.0	32.2
	Post-Project	14,642.1	38.5	639.9		3,237.0	8.0
	Load Reduction	21,963.1	31.5	344.6		0.0	24.1
	% Reduction	60.0%	45.0%	35.0%		0.0%	75.0%
BMP's Installed		TSS kg/yr	TP kg/yr	TN kg/yr	BOD kg/yr	Other kg/yr	Other kg/yr
Wetland Detention						lead	zinc
Pollutant Loads	Pre-Project	14,642.1	38.5	639.9		3,237.0	8.0
	Post-Project	3,294.5	21.5	511.9		1,197.7	2.8
	Load Reduction	11,347.6	16.9	128.0		2,039.3	5.2
	% Reduction	77.5%	44.0%	20.0%		63.0%	65.0%
TOTAL		TSS kg/yr	TP kg/yr	TN kg/yr	BOD kg/yr	Other kg/yr	Other kg/yr
						lead	zinc
Pollutant Loads	Pre-Project	36,605.1	69.9	984.5		3,237.0	32.2
	Post-Project	3,294.5	21.5	511.9		1,197.7	2.8
	Load Reduction	33,310.7	48.4	472.5		2,039.3	29.4
	% Reduction	91.0%	69.2%	48.0%		63.0%	91.3%

**MODEL USED:**

The stormwater strategy for this project will be the reduction of suspended solids and nutrients from runoff using BMPs to trap sediment and remove nutrients. Currently there are limited stormwater treatment practices employed in this drainage basin, consisting primarily of conveyance swales and canals. Stormwater Treatment Areas and control structures will be installed at each stormwater outfall to prevent sediment and floating trash from entering Howard Creek, and littoral planting areas will be constructed around the open water areas, all of which will provide a reduction in TSS and nutrients. The calculated pollutant loads of the Cane Slough Stormwater Park Phase I discharge were added to the pre-project values of the Phase II calcs.

Stormwater loading rates are calculated using the Spreadsheet Tool for Estimating Pollutant Load (STEPL, 2007). The pollutant removal rates are based on the combinations of the selected BMPs.

**LAND OWNERSHIP STATUS:**

The City of Port St. Lucie owns all lands where the selected STA and BMP project components will be constructed. The City has accumulated 61 acres of properties to construct the balance of the EWIP stormwater ponds and BMP improvements.

## DELIVERABLES:

### TASK 1: LAND SURVEYING OF PROJECT SITE

- Description:** The City's surveying consultants have prepared complete boundary and topographic surveys of the improvement locations. A project boundary and topographic survey signed and sealed by a Florida Licensed Professional Surveyor and Mapper prepared in accordance with applicable Florida Statutes is the criteria to determine success.
- Deliverable:** A project boundary and topographic survey signed and sealed by a Florida Licensed Professional Surveyor and Mapper (PSM), prepared in accordance with applicable Florida Statutes
- Timeline:** The project survey will be submitted before August 30, 2011.
- Budget:** \$9,686.00 (Grantee Match)
- Salaries:** \$64.90, City Engineer, 1 hours @ \$64.90/hr, \$80.26, Civil Engineer, 2 hours @ 40.13/hr, \$793.00, Manager NPDES, 20 hours @ \$39.65/hr, \$174.00, City Surveyor, 4 hours @ \$43.50/hr, \$41.84, Administrator, 2 hours @ 20.92/hr
- Contractual:** \$5,532.00 for Geotech Survey (AACE), \$1,000 for Environmental Survey (CAPTEC), \$2,000 for Survey reviews

### TASK 2: ENGINEERING DESIGN & PERMITTING

- Description:** The City's engineering consultant has prepared design specifications and construction documents for installation of the BMP improvements. The improvements will be installed on City owned property and within City drainage and street right-of-ways. This task included obtaining applicable state and federal regulatory permitting approvals as follows:
- South Florida Water Management District (SFWMD) Environmental Resource Permit (ERP) No. 56-01745-P
- SFWMD Consumptive Use Permit (CUP) Construction Dewatering Permit No. 56-03071-W
- Army Corps of Engineers (ACOE) Permit Application No. SAJ-2003-06092 (IP-AAZ) Modification-1
- Copies of the approved permits and a complete set of construction plans and technical specifications signed and sealed by a Florida Licensed Professional Engineer prepared in accordance with applicable Florida Statutes is the criteria to determine success.
- Deliverable:** Copies of the approved permits and a complete set of construction plans and technical specifications signed and sealed by a Florida Licensed Professional Engineer prepared in accordance with applicable Florida Statutes
- Timeline:** The project permits, construction plans and technical specifications will be submitted between September 1, 2011 and March 31, 2012.
- Budget:** \$129,978.00 (Grantee Match)
- Salaries:** \$324.50, City Engineer, 5 hours @ \$64.90/hr, \$401.30, Civil Engineer, 10 hours @ 40.13/hr, \$793.00, Manager NPDES, 20 hours @ \$39.65/hr, \$209.20, Administrator, 10 hours @ 20.92/hr
- Supplies/**
- Other Expenses:** \$250.00 Printing Costs
- Contractual:** \$98,000.00 Design Consultant (CAPTEC), \$28,000 Permitting (CAPTEC), \$2,000 Permit, Gopher Tortoises, R.L. Weigt

### TASK 3: BID AND AWARD CONSTRUCTION CONTRACT

- Description:** City personnel and City's engineering consultant will prepare, advertise, receive, and evaluate bids for construction of the BMP improvements. An award will be made; contracts signed and Notice To Proceed given. Copies of the bids tabulation, executed construction contract and Notice to Proceed are the criteria to determine success.
- Deliverable:** Copies of the bids tabulation, executed construction contract and Notice to Proceed given to the lowest responsible bidder
- Timeline:** The bids tabulation, executed construction contract and Notice to Proceed will be submitted between September 1, 2011 and March 31, 2012.
- Budget:** \$7,124.90 (Grantee Match)
- Salaries:** \$324.50, City Engineer, 5 hours @ \$64.90/hr, \$1,203.90, Civil Engineer, 30 hours @ 40.13/hr, \$396.50, Manager NPDES, 10 hours @ \$39.65/hr.
- Supplies/**
- Other Expenses:** \$500.00 Printing Costs, \$200.00 Advertisements
- Contractual:** \$4,500.00 Design Consultant (CAPTEC),

### TASK 4: CONSTRUCTION OF BMP STORMWATER FACILITIES

- Description:** The City's selected contractor will construct the Improvements as shown on the grant application Figures and as detailed in the construction plans and technical specifications. A construction certification and as-built drawings for the completed facilities as required by the regulatory permits are the criteria to determine success.
- Deliverable:** Construction certification and as-built drawings
- Timeline:** Construction certification and as-built drawings will be submitted between July 1, 2012 and Jan 31, 2013.
- Budget:** \$500,000 (FDEP Funding) – Contractual  
\$1,830,250.92 (Grantee Match)
- Salaries:** \$4,334.04, Civil Engineer, 108 hours @ 40.13/hr, \$2,854.80, Manager NPDES, 72 hours @ \$39.65/hr, \$18,073.80, CIP Manager, 540 hours @ 33.47/hr, \$17,956.80, Inspector, 720 hours @ \$24.94/hr, \$1,506.24, Administrator, 72 hours @ 20.92/hr, \$876.24, Project Coordinator, 36 hours @ \$24.34/hr
- Contractual:** \$210,000.00 CEI Services Consultant, \$45,000 Geotech Services Consultant, \$1,529,649 Stormwater BMP Construction Costs Contractor

### TASK 5: POST GRANT PROJECT ADMINISTRATION

- Description:** After the grant has been awarded, the City's grant administrator will provide ongoing monitoring of project schedules to assure compliance with timelines outlined in this scope of services. Submittals of the required grant quarterly reports and grant funding payment requests to FDEP for verification with these timelines are the criteria to determine success.
- Deliverable:** Quarterly progress reports and grant funding payment requests
- Timeline:** Quarterly progress reports will be submitted to DEP four (4) times each year between execution of this Agreement and August 31, 2013. The grant funding payment requests will be submitted during the BMP construction period described in the Task 4 timeline above.
- Budget:** \$6,460.52 (Grantee Match)
- Salaries:** \$2,407.80, Civil Engineer, 60 hours @ 40.13/hr, \$793.00, Manager NPDES, 20 hours @ \$39.65/hr, \$334.72, Administrator, 16 hours @ 20.92/hr
- Contractual:** \$2,925.00 Grant Services Consultant (CAPTEC)

**TASK 6: IMPLEMENT WATER QUALITY MONITORING PROGRAM**

**Description:** The Quality Assurance Project Plan (QAPP) will be prepared and forwarded to Florida Department of Environmental Protection (FDEP) for review and approval as the first step in the water quality monitoring program. The QAPP will specify the sampling locations, sampling instruments and parameters to be sampled. Upon FDEP approval of the QAPP, background monitoring will be conducted to determine mean event concentrations for standard pollutant parameters prior to construction start. After construction is completed, samples will be taken with autosamplers at the inflow and outflow points of the project area as defined in the approved QAPP. A Final Report will be prepared at the completion of the water quality monitoring program and forwarded in draft form to FDEP for review. The report will be finalized to address the FDEP comments and the Final Report will be forwarded to FDEP for approval. Completion of the QAPP, water quality monitoring program, preparation and approval of the Final Report are the criteria to determine success.

Monitoring will be conducted at four locations: 3 inflows and 1 outflow.

Monitoring will include the following parameters:

- Daily rainfall (to nearest 0.01 inch) measured at the sampling location. Rainfall data should be provided for at least the week preceding monitoring and day(s) of monitoring.
- Flow using approved flow activated flow meters
- Parameters as specified below

<u>Parameter</u>	<u>Detection Limit</u>	<u>Method</u>
Total Cadmium	1 ug/l	Composite*
Total Chromium	5 ug/l	Composite*
Total Copper	5 ug/l	Composite*
Total Zinc	10 ug/l	Composite*
NO2+NO3	0.1 mg/l	Composite*
TKN	0.3 mg/l	Composite*
Total Ammonia	0.05 mg/l	Composite*
Or Total N		Composite*
Total Phosphorus	0.05 mg/l	Composite*
Ortho Phosphate	0.05 mg/l	Composite*
TSS	1 mg/l	Composite*
Oil/Grease	1 mg/l	Composite*
Fecal Coliform	N/A	Grab** if possible

\*Flow weighted composite samples will be taken over the storm hydrograph. Typically, the samples will be composited over the inflow hydrograph at the inflow and for up to a 36 hour period at outflow station, depending upon the time of concentration and flow into and out of the BMP. Each composite will include at least six evenly distributed sub-samples.

\*\*Grab samples to be collected within the drainage area time of concentration at influent and effluent stations described above.

**Deliverable:** The QAPP and the final report

**Timeline:** The draft QAPP will be forwarded to FDEP for review and comment between September 1, 2011 and February 28, 2012. Upon approval of the QAPP the water quality monitoring program sampling activities will begin. The draft final report will be submitted for review and comment between February 1, 2013 and May 31, 2013. The final project report will be submitted before August 31, 2013.

**Budget:** \$139,693.96 (Grantee Match)

**Salaries:** \$1,444.68, Civil Engineer, 36 hours @ 40.13/hr, \$8,247.20, Manager NPDES, 208 hours @ \$39.65/hr, \$502.08, Administrator, 24 hours @ 20.92/hr

**Equipment:** \$51,000.00 Sampling Equipment  
**Contractual:** \$20,000.00 Reporting Consultant (CAPTEC)  
**Supplies/**  
**Other Expenses:** \$7,500.00 QAPP Preparation, \$26,000.00 Water Quality Sampling, \$25,000.00 Laboratory Testing

**TASK 7: IMPLEMENT EDUCATION COMPONENT**

**Description:** The public education component will include coverage of the project in the weekly City of Port St Lucie newsletter, televised public service announcements, public meetings, door hangers, and news items in local sections of the local newspapers. Pictures will be taken throughout the design and construction phases of the project which will be provided with the final report. Press releases will be distributed upon project completion and educational signage will be provided on site. Copies of newsletters, public meeting announcements, schedule of public service announcements broadcasts, door hangers, press releases, and pictures of installed educational signage are the criteria to determine success.

**Deliverable:** Copies of newsletters, public meeting announcements, schedule of public service announcements broadcasts, door hangers, press releases, and pictures of installed educational signage will be included in the final report described in Task 6.

**Timeline:** The educational component will be performed and the final report will be submitted (as described in Task 6 above) between September 1, 2010 and August 31, 2013.

**Budget:** \$23,091.85 (Grantee Match)

**Salaries:** \$1,404.55, Civil Engineer, 35 hours@ 40.13/hr, \$1,982.50, Manager NPDES, 50 hours @ \$39.65/hr, \$836.80, Administrator, 40 hours @ 20.92/hr, \$4,868.00, Project Coordinator, 200 hours @ \$24.34

**Supplies/**  
**Other Expenses:** \$2,000.00 Printing/Mailing Newsletters, \$500.00 Printing Door hangers, \$2,500.00 PSA/Communication Dept, \$2,000.00 Educational Signage, \$5,000.00 PSA Newsletter/Communication Dept.

**Contractual:** \$2,000.00 Public Meeting (CAPTEC)

**PROJECT BUDGET:**

Project Funding Activity	Grant Amount	Matching Contribution	Match Source
Land Acquisition			
Staff		\$73,230.15	Grantee
Travel			
Equipment		\$51,000.00	Grantee
Supplies/Other Expenses		\$71,450.00	Grantee
Contractual		\$1,950,606.00	Grantee
BMP Implementation	\$500,000.00		
Monitoring			
Public Education			
<b>Total:</b>	\$500,000.00	\$2,146,286.15	
<b>Total Project Cost:</b>	\$2,646,286.15		
<b>Percentage Match:</b>	19%	81%	

\*If a stormwater utility or other dedicated recurring fee is contributing, put that information in the following table.

**DEDICATED STORMWATER FUNDING INFORMATION:**

Match Source Name	Description	ERU/Fee
PSL Stormwater Utility	City of PSL Stormwater Fee: An enterprise fund used for capital stormwater improvements, planning, operations and maintenance	\$153 / ERU

**BUDGET BY TASK :**

Project Funding Activity	Grant Amount	Matching Contribution	Match Source
Task 1. Survey		\$9,686.00	Grantee
Task 2. Engineering Design & Permitting		\$129,978.00	Grantee
Task 3. Prepare/Award Bid		\$7,124.90	Grantee
Task 4. Construct Stormwater Facilities	\$500,000.00	\$1,830,250.92	Grantee
Task 5. Post-Grant Project Administration		\$6,460.52	Grantee
Task 6. Implement Water Quality Monitoring		\$139,693.96	Grantee
Task 7. Implement Education Component		\$23,091.85	Grantee
<b>Total:</b>	\$500,000.00	\$2,146,286.15	
<b>Total Project Cost:</b>	\$2,646,286.15		
<b>Percentage Match:</b>	19%	81%	

**OTHER FUNDING (Not Match):**

Agency	Activity	Amount
City of Port St. Lucie	Purchased the 11.58 acre Azzi Parcel in 2010	\$4,225,000.00
City of Port St. Lucie	Landscaping, stormwater re-use irrigation and wetland plantings	\$300,000.00
<b>Total:</b>		\$4,525,000.00

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**ATTACHMENT B  
PAYMENT REQUEST SUMMARY FORM**

Grantee: \_\_\_\_\_  
Mailing Address: \_\_\_\_\_

Grantee's Grant Manager: \_\_\_\_\_  
Payment Request No.: \_\_\_\_\_

DEP Agreement No.: S0546  
Date Of Request: \_\_\_\_\_

Performance  
Period: \_\_\_\_\_

Task/Deliverable Amount  
Requested:\$ \_\_\_\_\_

Task/Deliverable  
No.: \_\_\_\_\_

GRANT EXPENDITURES SUMMARY SECTION

[Effective Date of Grant through End-of-Grant Period]

CATEGORY OF EXPENDITURE	AMOUNT OF THIS REQUEST	TOTAL CUMULATIVE PAYMENTS	MATCHING FUNDS	TOTAL CUMULATIVE MATCHING FUNDS
Salaries	\$N/A	\$N/A	\$	\$
Fringe Benefits	\$N/A	\$N/A	\$	\$
Travel (if authorized)	\$N/A	\$N/A	\$N/A	\$N/A
Subcontracting:				
Contractual	\$N/A	\$N/A	\$	\$
BMP Implementation	\$	\$	\$	\$
Equipment Purchases	\$N/A	\$N/A	\$	\$
Supplies/Other Expenses	\$N/A	\$N/A	\$	\$
Land	\$N/A	\$N/A	\$N/A	\$N/A
Indirect	\$N/A	\$N/A	\$N/A	\$N/A
<b>TOTAL AMOUNT</b>	\$	\$	\$	\$
<b>TOTAL TASK BUDGET AMOUNT</b>	\$		\$	
<b>Less Total Cumulative Payments of:</b>	\$		\$	
<b>TOTAL REMAINING IN TASK</b>	\$		\$	

**GRANTEE CERTIFICATION**

The undersigned certifies that the amount being requested for reimbursement above was for items that were charged to and utilized only for the above cited grant activities.

_____	_____
Grantee's Grant Manager's Signature	Grantee's Fiscal Agent
_____	_____
Print Name	Print Name
_____	_____
Telephone Number	Telephone Number

**INSTRUCTIONS FOR COMPLETING  
PAYMENT REQUEST SUMMARY FORM**

**GRANTEE:** Enter the name of the grantee's agency.

**MAILING ADDRESS:** Enter the address that you want the state warrant sent.

**DEP AGREEMENT NO.:** This is the number on your grant agreement.

**DATE OF REQUEST:** This is the date you are submitting the request.

**TASK AMOUNT REQUESTED:** This should match the amount on the "*TOTAL TASK BUDGET AMOUNT*" line for the "*AMOUNT OF THIS REQUEST*" column.

**GRANTEE'S GRANT MANAGER:** This should be the person identified as grant manager in the grant Agreement.

**PAYMENT REQUEST NO.:** This is the number of your payment request, not the quarter number.

**PERFORMANCE PERIOD:** This is the beginning and ending date of the invoice period.

**TASK NO.:** Enter the number of the task that you are requesting payment for.

**GRANT EXPENDITURES SUMMARY SECTION:**

**"AMOUNT OF THIS REQUEST" COLUMN:** Enter the amount that was paid out for this task/deliverable during the invoice period for which you are requesting reimbursement. This must agree with the budget category as in the currently approved budget in the current Grant Work Plan of your grant Agreement. Do not claim expenses in a budget category that does not have an approved budget. Do not claim items that are not specifically identified in the current Budget Narrative section of the current Grant Work Plan. Enter the column total on the "*TOTAL AMOUNT*" line. Enter the amount of the task on the "*TOTAL TASK BUDGET AMOUNT*" line. Enter the total cumulative amount of this request **and** all previous payments on the "*LESS TOTAL CUMULATIVE PAYMENTS OF*" line. Deduct the "*LESS TOTAL CUMULATIVE PAYMENTS OF*" from the "*TOTAL TASK BUDGET AMOUNT*" for the amount to enter on the "*TOTAL REMAINING IN TASK*" line.

**"TOTAL CUMULATIVE PAYMENTS" COLUMN:** Enter the cumulative amounts that have been claimed to date for reimbursement by budget category. The final report should show the total of all payments; first through the final payment (this amount cannot exceed the approved budget amount for that budget category for the task you are reporting on). Enter the column total on the "*TOTALS*" line. **Do not enter anything in the shaded areas.**

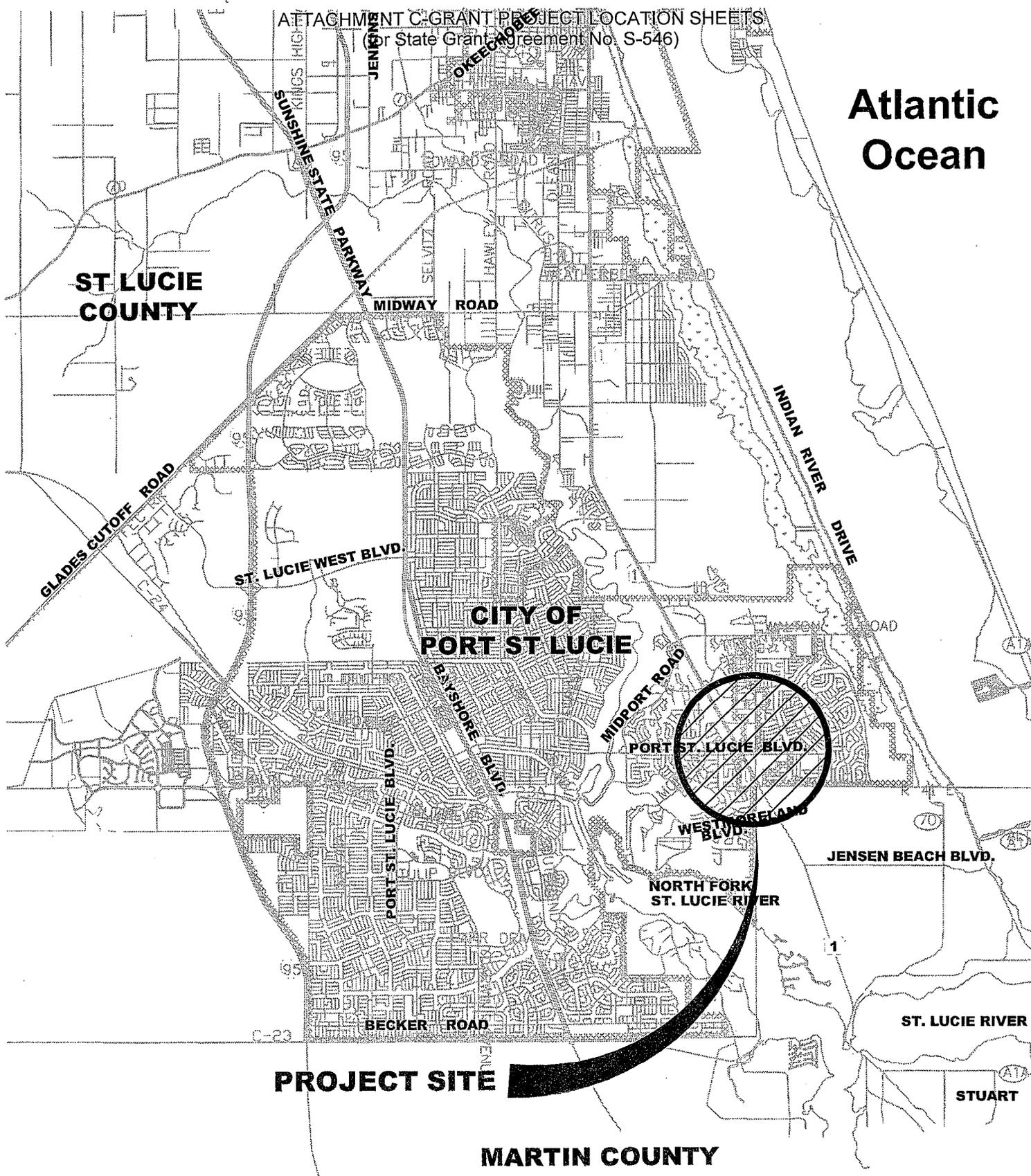
**"MATCHING FUNDS" COLUMN:** Enter the amount to be claimed as match for the invoice period for the task you are reporting on. This needs to be shown under specific budget categories according to the currently approved Grant Work Plan. Enter the total on the "*TOTAL AMOUNT*" line for this column. Enter the match budget amount on the "*TOTAL TASK BUDGET AMOUNT*" line for this column. Enter the total cumulative amount of this and any previous match claimed on the "*LESS TOTAL CUMULATIVE PAYMENTS OF*" line for this column. Deduct the "*LESS TOTAL CUMULATIVE PAYMENTS OF*" from the "*TOTAL TASK BUDGET AMOUNT*" for the amount to enter on the "*TOTAL REMAINING IN TASK*" line.

**"TOTAL CUMULATIVE MATCHING FUNDS" COLUMN:** Enter the cumulative amount you have claimed to date for match by budget category for the task. Put the total of all on the line titled "*TOTALS.*" The final report should show the total of all claims, first claim through the final claim, etc. **Do not enter anything in the shaded areas.**

**GRANTEE CERTIFICATION:** Must be signed by both the Grantee's Grant Manager as identified in the grant agreement and the Grantee's Fiscal Agent.

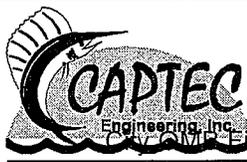
**NOTE:** If claiming reimbursement for travel, you must include copies of receipts and a copy of the travel reimbursement form approved by the Department of Financial Services, Chief Financial Officer.

Atlantic  
Ocean



**PROJECT SITE**

**MARTIN COUNTY**



• Joseph W. Capra  
301 N.W. Flagler Ave  
Stuart, Florida 34994  
P.E. No. 37638  
Phone: (772) 692-4344  
Fax: (772) 692-4341

Project File #20110128  
Engineering Business  
No. EB-007657

DATE:	07-18-11
DRAWN BY:	SPM
DESIGNED BY:	SPM
CHECKED BY:	JWC
PROJECT No.:	801.18
HORZ. SCALE:	N.T.S.
VERT. SCALE:	N.T.S.
CADD FILE:	Cane Slough II

**CANE SLOUGH  
STORMWATER PARK - PHASE II  
CITY OF PORT ST LUCIE, FLORIDA**

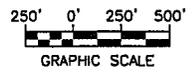
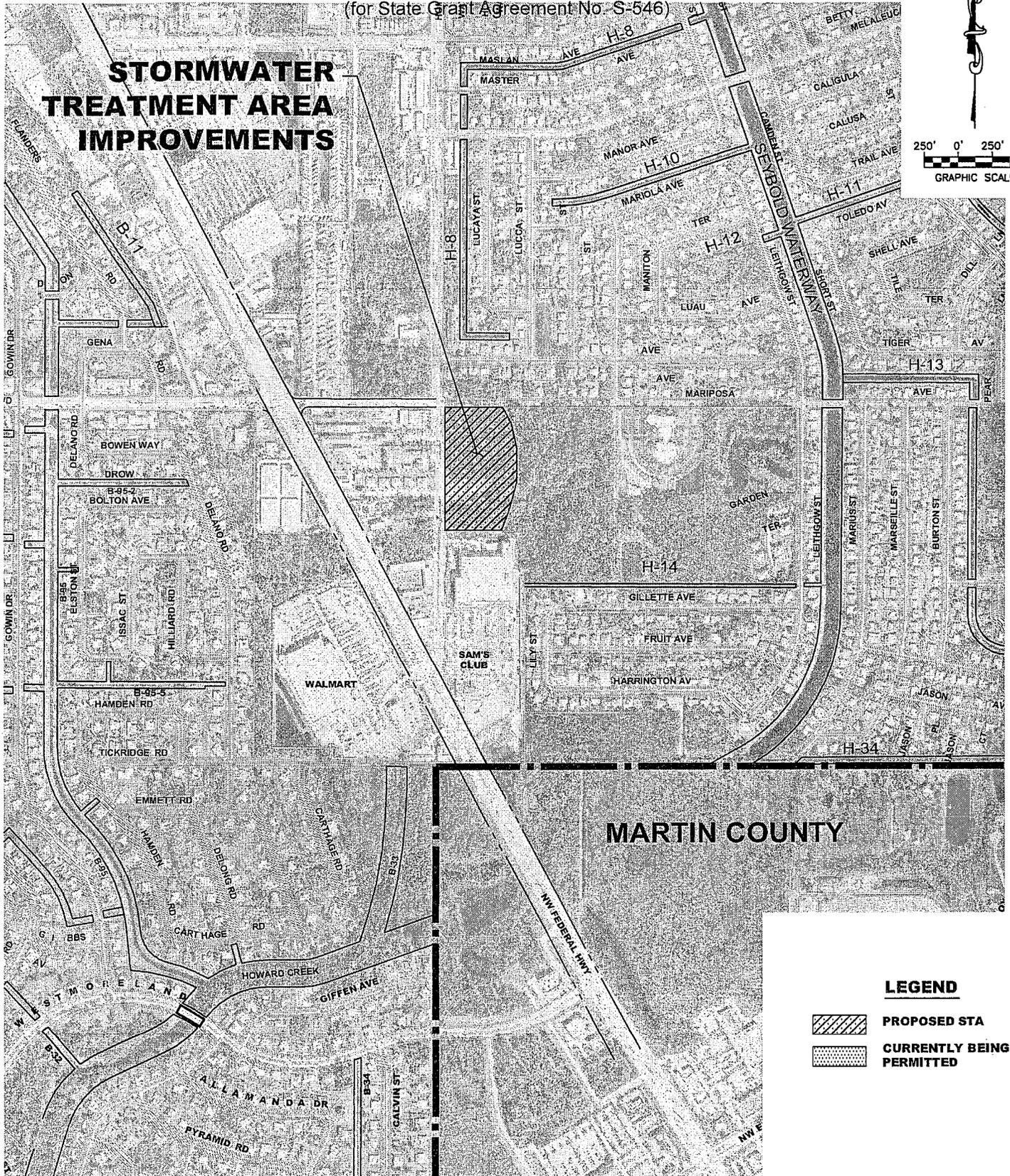
**FIGURE 1  
VICINITY MAP**

Page 1 of 3

**SCALE  
VERIFICATION**  
0 0.5  
SOLID BAR IS EQUAL TO  
HALF AN INCH ON ORIGINAL  
DRAWING. ADJUST ALL  
SCALED DIMENSIONS  
ACCORDINGLY

Sheet No. 1 of 1

ATTACHMENT C-GRANT PROJECT LOCATION SHEETS  
(for State Grant Agreement No. S-546)



**LEGEND**

-  PROPOSED STA
-  CURRENTLY BEING PERMITTED

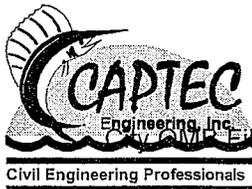
**CANE SLOUGH  
STORMWATER PARK - PHASE II  
CITY OF PORT ST LUCIE, FLORIDA**

**FIGURE 2  
PROJECT AREA**

**SCALE VERIFICATION**

0 ——— 0.5

SOLID BAR IS EQUAL TO HALF AN INCH ON ORIGINAL DRAWING. ADJUST ALL SCALED DIMENSIONS ACCORDINGLY



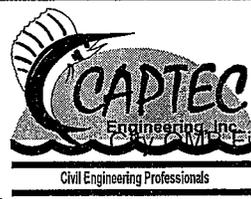
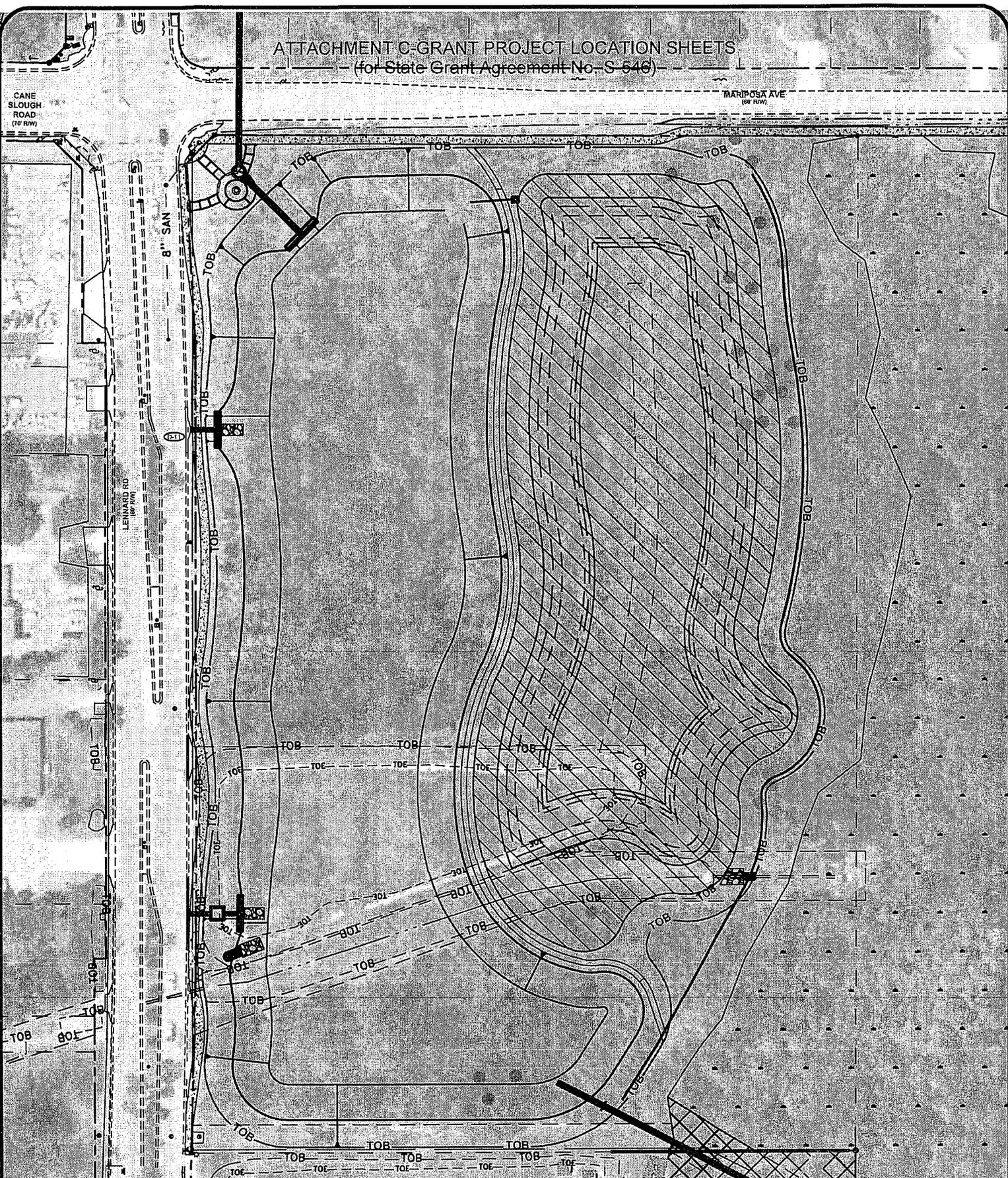
• Joseph W. Capra  
301 N.W. Flagler Ave  
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File #20110128

Engineering Business  
No. EB-007657

DATE: 07-18-11  
DRAWN BY: SPM  
DESIGNED BY: SPM  
CHECKED BY: JWC  
PROJECT No.: 801.18  
HORZ. SCALE: N.T.S.  
VERT. SCALE: N.T.S.  
CADD FILE: Cane Slough II

ATTACHMENT C-GRANT PROJECT LOCATION SHEETS  
 (for State Grant Agreement No. S-646)



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 HORIZ. SCALE: N.T.S.  
 VERT. SCALE: N.T.S.  
 CADD FILE: LEN SQUARE

**CANE SLOUGH  
 STORMWATER PARK - PHASE II**  
 CITY OF PORT ST LUCIE, FLORIDA  
**FIGURE 3  
 SITE DESIGN PLAN**

**SCALE  
 VERIFICATION**  
 0 ——— 0.5  
 SOLID BAR IS EQUAL TO HALF  
 AN INCH ON ORIGINAL  
 DRAWING. ADJUST ALL  
 SCALED DIMENSIONS  
 ACCORDINGLY  
 Sheet No. 1 of 1