

PALM BEACH COUNTY  
BOARD OF COUNTY COMMISSIONERS  
AGENDA ITEM SUMMARY

Meeting Date: September 1, 2015

Consent [X]  
Public Hearing [ ]

Regular [ ]

Department: Water Utilities Department

I. EXECUTIVE BRIEF

**Motion and Title:** Staff recommends motion to approve: Consultant Services Authorization (CSA) No. 8 for GL09 Glades Infiltration/Inflow Projects Phase 2 with Hazen and Sawyer, P.C. in the amount of \$197,300.

**Summary:** On June 3, 2014, the Board of County Commissioners (BCC) approved the Water Utilities Department (WUD) Engineering/Professional Services Contract (R2014-0821) with Hazen and Sawyer, P.C. CSA No. 8 provides for video inspections and rehabilitation recommendations for 70,000 linear feet of gravity sewer main lines for the Sanitary Sewer Evaluation Survey in Pahokee and South Bay. The Small Business Enterprise (SBE) participation goal established by the SBE Ordinance (R2002-0064) is 15% overall. The contract with Hazen and Sawyer, P.C. provides for SBE participation of 22%. CSA No. 8 includes 9.36% overall participation. The cumulative SBE participation including this CSA is 26.08% overall. Hazen and Sawyer, P.C. is a local Palm Beach County Company. This project is included in the FY15 Capital Improvement plan adopted by the BCC. (WUD Project No. 15-024) District 6 (MRE)

**Background and Justification:** WUD operates and maintains sewer collection system service in the cities of Pahokee and South Bay. The existing collection system in this area shows signs of infiltration and inflow (I&I). This I&I is evident due to the increase in flow in the sewer collection system during rain events and times of high water tables, and results in decreased system capacity and higher treatment costs. The scope of the project is to complete a thorough video inspection of 70,000 linear feet of gravity sewer pipes, identification of specific defects, and development of recommendations to rehabilitate or repair severe defects identified during the inspection. This work is needed to restore the service life, efficiency and effectiveness of the gravity sewer collection system in Pahokee and South Bay.

**Attachments:**

1. Location Map
2. Two (2) Original Consultant Services Authorization No. 8

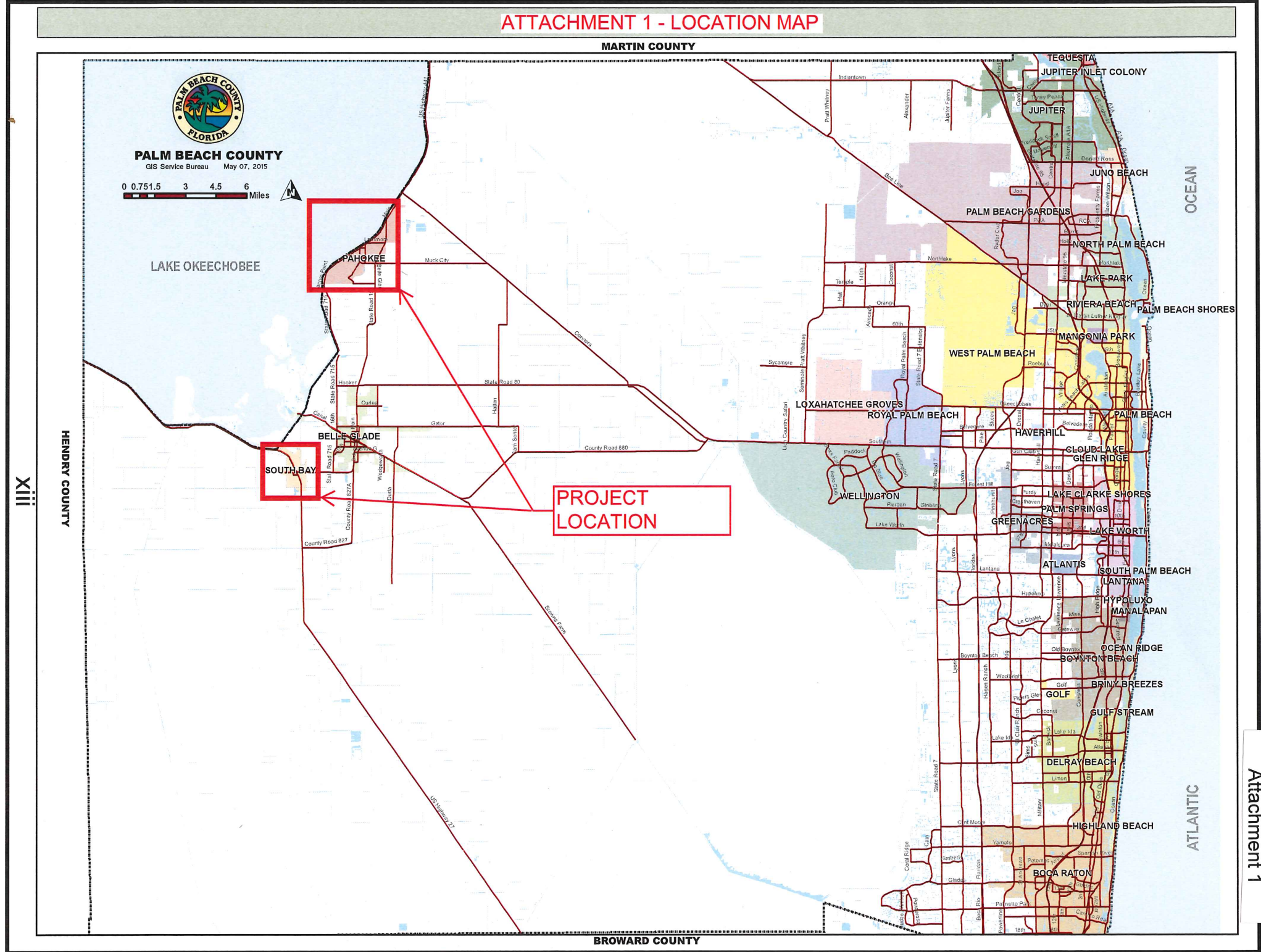
Recommended By: Jim Stiles 8-13-15  
Department Director Date

Approved By: Sharon G. B. 8-25-15  
Assistant County Administrator Date





ATTACHMENT 1 - LOCATION MAP



XIII

CONSULTANT SERVICES AUTHORIZATION NO. 8Project Title GL09 Glades Infiltration / Inflow Projects – Phase 2Project No. WUD 15-024Budget Line Item No. 4011-721-W031-6547District No.: 6

**THIS AUTHORIZATION No. 8** to the Contract for Consulting/Professional Services dated June 3, 2014 (R2014-0821), by and between Palm Beach County and the Consultant identified herein, is for the Consultant Services described in Item 3 of this Authorization. The Contract provides for 22.00% SBE participation overall. This Consultant Services Authorization includes 9.36% overall participation. The cumulative SBE participation, including this authorization is 26.08% overall. Additional authorizations will be utilized to meet or exceed the stated overall participation goal.

1. CONSULTANT: Hazen and Sawyer, P.C.
2. ADDRESS: 2101 N.W. Corporate Boulevard, Suite 301, Boca Raton, FL 33431
3. Description of Services to be provided by the Consultant:  
Gravity sewer lines will be inspected with video cameras to assess pipe conditions with focus on areas in Pahokee and South Bay. Videos will be reviewed and a description of observations prepared including, list of problem areas such as cracks, root damage, separated joints and other pipe defects. Recommendations for corrective measures will be developed with planning level cost estimates.

**See ATTACHMENT A.**

4. Services completed by the Consultant to date (Summary and Status of Authorizations):

**See ATTACHMENT E.**

5. Consultant shall begin work promptly on the requested services.
6. The compensation to be paid to the Consultant for providing the requested services shall be:
  - A. Computation of time charges plus expenses, not to exceed \$197,300.00
  - B. Fixed price of \$ n / a
7. This Authorization may be terminated by the County without cause or prior notice. In the event of termination not the fault of the Consultant, the Consultant shall be compensated for all services performed through the date of termination, together with reimbursable expenses (if applicable) then due.

Project No. WUD 15-024 Consultant Services Authorization No. 8

Project Title GL09 Glades Infiltration / Inflow Projects - Phase 2

- 8. SBE participation is included in Attachment D under this Authorization. The attached Schedule 1 defines the SBE applied to this Authorization and Schedule 2 establishes the SBE contribution from each sub-consultant (Letter of Intent to perform as an SBE).
- 9. EXCEPT AS HEREBY AMENDED, CHANGED OR MODIFIED, all other terms, conditions and obligations of the Contract dated June 3, 2014 remain in full force and effect.

IN WITNESS WHEREOF, this Authorization is accepted, subject to the terms, conditions and obligations of the aforementioned Contract.

PALM BEACH COUNTY, A POLITICAL SUBDIVISION OF THE STATE OF FLORIDA

Sharon R. Bock, Clerk & Comptroller,  
Palm Beach County

Palm Beach County,  
Board of County Commissioners

ATTEST:

Signed: \_\_\_\_\_

Signed: \_\_\_\_\_

Shelley Vana, Mayor

Typed Name: \_\_\_\_\_

Deputy Clerk

\_\_\_\_\_

Date

JCS

Approved as to Form and Legal  
Sufficiency

Signed: \_\_\_\_\_

Typed Name: \_\_\_\_\_


County Attorney

CONSULTANT: Hazen and Sawyer, P.C.

ATTEST:

  
\_\_\_\_\_

Witness

  
\_\_\_\_\_

(Signature)

Robert B. Taylor, Vice President  
(Name and Title)

Albert Muniz, Vice President  
(Name and Title)

June 19, 2015

Date

## LIST OF ATTACHMENTS

Project No. WUD 15-024 Consultant Services Authorization No. 8

Project Title GL09 Glades Infiltration / Inflow Projects – Phase 2

ATTACHMENT – A	Scope of Work
ATTACHMENT – B	Budget Summary
ATTACHMENT – C	Project Schedule
ATTACHMENT – D	SBE Schedule 1, 2, 3a, and 4
ATTACHMENT – E	Authorization Status Report – Summary and Status of Authorizations
ATTACHMENT – F	Authorization Status Report – Summary of SBE Tracking
ATTACHMENT – G	Location Map

## ATTACHMENT – A

### CONSULTANT SERVICES AUTHORIZATION NO. 8

#### PALM BEACH COUNTY WATER UTILITIES DEPARTMENT ENGINEERING/PROFESSIONAL SERVICES

#### SCOPE OF WORK FOR

### INTRODUCTION

Palm Beach County (COUNTY) entered into an agreement entitled Contract for Engineering/ Professional Services - Palm Beach County Water Utilities Department Project Number WUD 14-002 (CONTRACT) with Hazen and Sawyer, P.C. (CONSULTANT) to provide engineering services for various general activities on June 3, 2014 with an effective date of June 4, 2014 (Reference Document R2014-0821). This Consultant Service Authorization will be performed under that CONTRACT.

This Consultant Services Authorization encompasses providing services related to the video inspection and review with recommendations for corrective actions within the Western Region wastewater service area.

### BACKGROUND

The Palm Beach County Water Utilities Department (PBCWUD) presently owns and operates the Western Region Wastewater Treatment Facility which provides wastewater collection for the Glades area. This area commonly known as the Glades Region encompasses the Cities of Belle Glade, Pahokee, and South Bay. A Wastewater Master Plan was recently completed (September 2014) for this area which identified infiltration and inflow (I&I) concerns. This project has been established to address excess flows from I&I in critical areas as defined by the County and identified in the Master Plan.

- I-I Analysis – Analysis of dry and wet weather flows both for the overall system and for individual pump station collection areas (basins). System-level analysis allows an overall characterization of the system to illustrate the approximate proportions of infiltration, inflow, and wastewater. Basin-level analysis allows the prioritization of individual pump station collection areas by I-I severity so that follow-up inspection work can be focused on those areas where the greatest I-I reduction potential exists.
- Sanitary Sewer Evaluation Survey (SSES) – Detailed investigation to develop a gravity sewer rehabilitation plan. Such investigation is designed to permit the identification of specific system defects to be repaired, and typically involves such activities as night flow isolation, closed-circuit television inspection of sewer mains and laterals, manhole inspection, and smoke testing to identify sources of inflow.

- **Rehabilitation** – Implementation of the rehabilitation plan. This phase typically includes procurement and oversight of specialty sewer contractors to perform repair of mains, laterals, and manholes. Repairs would include traditional excavated repairs as well as “trenchless” repairs such as lining and chemical grouting where warranted. Rehabilitation may also include post-rehabilitation flow monitoring to document the flow reductions achieved.

I-I analysis was completed as part of the Master Plan project. At this time, the PBCWUD has elected to initiate SSES activities in those pump station collection areas (basins) identified as priorities in the Master Plan. To facilitate implementation of the work, SSES will be divided into three Consultant Services Authorizations (CSAs). The scope of work for this CSA will consist of video inspection and video review of priority areas within Pahokee and South Bay. Due to the amount of area to be inspected, inspection of lines have been divided into two geographical areas. GL09 Glades I-I Project – Phase 2 will include approximately 67,000 linear feet identified in the Pahokee area with the balance being performed on lines in the South Bay area. A subsequent authorization will be prepared for the Belle Glade area which contains nearly 30,000 linear feet.

The scope of work outlined herein allows for the performance of the following tasks:

- Task 1. Video inspection of gravity sewer mains
- Task 2. Video review and development of recommendations

### **SCOPE OF SERVICES**

CONSULTANT shall provide engineering services to conduct a phased SSES as described herein. In an effort to minimize the total cost of the work, CONSULTANT has developed a collaborative approach that relies on the performance of some subtasks by COUNTY staff.

#### **Task 1 – Video inspection and survey of gravity sewer mains**

CONSULTANT shall coordinate and schedule video inspection activities to be performed by a subcontractor. The subcontractor will perform the following sub-task:

- Focus on areas within Pahokee and South Bay
- For the purpose of this authorization, a budget has been prepared to perform cleaning and video inspection of up to 70,000 linear feet of gravity sewer mains. Mains are mostly 8-inch but there may be a limited number of larger diameter mains, up to 30-inches.

The following sub-tasks will be performed by PBCWUD:

- Appoint one contact person, and one backup person, for coordination of activities and for specific assistance as may be required to CONSULTANT including:
  - ✓ Identify areas to be inspected and provide a sewer atlas showing manhole numbers.
  - ✓ Notify and coordinate with local police and traffic authorities as required.



- ✓ Assist with providing access to the work site and all right-of-ways with sufficient area for the placement of personnel and equipment, including resident coordination for access to rear-yard easements where required.
  - ✓ Locate and expose any manhole.
  - ✓ Relieve system surcharging, if required, in advance of inspection activities.
- Assist in coordinating the export of the Pipeline Assessment Certification Program (PACP) compliant database to the PBCWUD software.

Deliverable(s):

1.1 – Video inspection logs and CDs, as well as a PACP compliant electronic deliverable capable of performing the National Association of Sewer Service Companies (NASSCO) export option for uploading to the PBCWUD's GraniteNet software.

Schedule:

Field work will be completed and deliverables submitted within 120 calendar days from Notice to Proceed.

Assumptions:

The following assumptions were used in development of this scope of services:

- The Video inspection subcontractor will be compensated on a unit cost basis using the pay items typically shown on I/I work. The technical specifications will identify a list of items on a unit price basis, and where necessary, on an individual basis (e.g., for bypass pumping). Measurement and payment considerations for the overall subcontractor budget as well as individual pay items will be listed in detail in the technical specifications as typically done for I/I work.
- The video sub-contractor will clean sewer lines to remove roots, grease and / or tuberculation as needed to obtain a clear visual. Pipe sections will be visually surveyed by means of closed circuit television. In general, the survey will be performed from manhole to manhole section at a time when flow can be controlled. Digital photographs will be taken as requested by COUNTY / CONSULTANT. The sub-contractor television equipment operator shall be certified under the NASSCO PACP. The data collected will be a software that uses the NASSCO PACP Protocol and can perform a "PACP Export" (in the inspection software program) to provide a PACP Export File with associated videos.
- In addition to required PACP fields, the video inspection subcontractor will collect the following additional fields characterized under PACP as "optional" –
  - ✓ Field 2 – Owner
  - ✓ Field 4 – Drainage Area
  - ✓ Field 9 – Time
  - ✓ Field 29 – Total Length
  - ✓ Field 34 – Purpose
  - ✓ Field 37 – Weather
  - ✓ Field 41 – Project

## Task 2 – Video review and development of recommendations

The following sub-tasks will be performed by the CONSULTANT:

- View and analyze videotapes provided by the video inspection subcontractor.
- Record and document the location and nature of obstructions such as roots, dropped joints, and protruding service connections; as well as broken pipe, cracks, separated joints, and other pipe defects that may permit groundwater infiltration. Record observations on evaluation forms.
- Identify "suspect" laterals to be inspected at a later time using specialized equipment. During inspection of the mains the camera will stop and pan the laterals to look for steady, clear flow indicative of infiltration. Actual television inspection internal to the laterals will not be performed at this time. Based on the results of this inspection of the mains, a more informed decision can be made concerning the need for a focused lateral inspection program.
- Develop summary tables to record the results of the video review along with prioritized rehabilitation recommendations and planning level cost estimates where warranted.

### Deliverable(s):

2.1 – Summary recording the results of video review

### Schedule:

Video review will be completed and deliverables submitted within 60 calendar days following completion of the video inspection described under Task 1.

### Assumptions:

The following assumptions were used in development of this scope of services:

- Fee and schedule are based on the review of video for up to 70,000 linear feet of gravity sewer mains.
- PACP-certified personnel will perform quality assurance review of video.

## COMPENSATION

Compensation will be on a time charges plus expenses for a not to exceed amount of \$197,300.00 (See Attachment B) and billed on a percent complete basis. It should be noted that \$150,500.00 of the total fee are related to non-S/MBE video sub-consultant as shown below:

<i>Firm</i>	<i>Fee</i>	<i>Percentage</i>
Prime consultant - Hazen & Sawyer	\$28,320.00	14.36%
Subconsultant - Non S/MBE - Layne Inliner, LLC	\$150,500.00	76.28%
Subconsultant - S/MBE - C Solutions Inc.	\$18,480.00	9.36%
<i>Totals</i>	<i>\$197,300.00</i>	<i>100.00%</i>

\*\*Subconsultant quotes are included in attachment B\*\*

## **SBE PARTICIPATION**

### **1. SCHEDULE 3(A) – Professional Services Activity Report**

This form shall be submitted by the prime contractor with each payment application when SBE and/or M/WBE sub-consultants are utilized in the performance of the contract. This form shall contain the names of all SBE and M/WBE sub-consultants, specify the sub-consultants dollar amount for each sub-consultants and show amount drawn and payments to date issued to sub-consultants.

### **2. SCHEDULE 4 – SBE-M/WBE Payment Certification**

A schedule 4 for each SBE and/or M/WBE sub-consultant shall be completed and signed by the proposed SBE and/or M/WBE after receipt of payment from the prime. When applicable, the prime shall submit this form with each application submitted to the COUNTY for payment to document payment issued to a sub-consultant in the performance of the contract.

SBE participation is included in the **ATTACHMENT F** under this authorization. The attached Schedule 1 defines the SBE applied to this CSA/Contract and Schedule 2 establishes the SBE contribution from each subcontractor (Letter of Intent to perform as an SBE).

**ATTACHMENT – B**  
Budget Summary

Task No.	Description	BUDGET SUMMARY for CSA-8									
		VP	Senior Associate	Associate	Senior Principal Engineer	Principal Engineer	Field Coordinator	Designer	Office Support	Total Labor	Sub-Consultant
1.0	<b>Video inspection / survey</b>	4	8	0	0	16	16	0	4	48	
	<i>C Solutions Inc. Task 1</i>										\$2,980.00
	<i>Layne Inliner, LLC Task 1</i>										\$150,500.00
2.0	<b>Video review</b>	4	24	0	0	24	104	0	28	184	
	<i>C Solutions Inc. Task 2</i>										\$15,500.00
	<b>SUB-TOTAL Hours</b>	8	32	0	0	40	120	0	32	232	<b>\$168,980.00</b>
	<b>Labor Raw Costs</b>	\$70	\$63	\$54	\$50	\$43	\$37	\$30	\$22		
	<b>Labor Multiplier</b>	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0		
	<b>Labor Sub-Total</b>	\$1,680	\$6,048	\$0	\$0	\$5,160	\$13,320	\$0	\$2,112		
	<b>Labor Total</b>									\$28,320	
	<b>Sub-consultant Labor Total</b>										\$168,980
	<b>Sub-consultant Multiplier</b>										1.0
	<b>Sub-consultant Total</b>										\$168,980
	<b>Reimbursable Expenses</b>										\$0
	<b>Project Total</b>										<b>\$197,300</b>

**C Solutions Scope of Services  
Hazen and Sawyer, P.C.  
Palm Beach County Utilities Department (H&S CSA8)  
Glades SSES Video Inspection**

**Scope of Services**

**I. BACKGROUND**

Palm Beach County (COUNTY) entered into an agreement entitled Contract for Engineering/ Professional Services - Palm Beach County Utilities Department Project No.: WUD 14-002 (CONTRACT) with Hazen and Sawyer, P.C. (CONSULTANT) to provide engineering services for various general activities on June 3, 2014 with an effective date of June 4, 2014 (Reference Document R2014-0821). This Consultant Service Authorization will be performed under that CONTRACT.

This Consultant Services Authorization encompasses providing services related to Glades Sanitary Sewer Evaluation Survey (SSES) – video inspection and review with recommendations for corrective actions within the Western Region wastewater service area. C Solutions, Inc. will assist the CONSULTANT in the providing the following services for Consultant Services Authorization NO. 8 (CSA No. 8).

**II. SCOPE OF SERVICES**

C Solutions will perform the scope of services as described herein.

**Task 1 Video inspection of gravity sewer mains**

The CONSULTANT shall coordinate and schedule video inspection activities including the cleaning and video inspection of up to 70,000 linear feet of gravity sewer mains. C Solutions will provide assistance to the CONSULTANT in the planning and scheduling video inspection sections, coordination of the video inspection services and coordination with the export of data into the required format.

**Task 2 Video review and development of recommendations**

C Solutions will assist the CONSULTANT in the following tasks:

- View and analyze videotapes provided by the video inspection subcontractor.
- Record and document the location and nature of obstructions such as roots, dropped joints, and protruding service connections; as well as broken pipe, cracks, separated joints, and other pipe defects that may permit groundwater infiltration. Record observations on evaluation forms.



- Identify "suspect" laterals to be inspected at a later time using specialized equipment. During inspection of the mains the camera will stop and pan the laterals to look for steady, clear flow indicative of infiltration. Actual television inspection internal to the laterals will not be performed at this time. Based on the results of this inspection of the mains, a more informed decision can be made concerning the need for a focused lateral inspection program.
- Develop summary tables to record the results of the video review along with rehabilitation recommendations and planning level cost estimates where warranted.

### III. ASSUMPTIONS

The Scope of Work described herein is based upon the following assumptions:

- The assumptions listed in the CONSULTANT's scope of services for CSA No. 8.

### IV. TIME OF COMPLETION

The Notice to Proceed (NTP) defines the official commencement of the C Solutions' contract. The CONSULTANT's NTP from CLIENT will define the date of Notice to Proceed (NTP). The following schedule is based on the notice to proceed (NTP). All days are defined as calendar days.

Task Description	Completion (Days from NTP)
Task 1 – Video Inspection <sup>1</sup>	120
Task 2 – Video Review and Recommendations	180

<sup>1</sup> The days for Task 1 are estimated and may vary depending on weather and receipt of data requests.

### IV. PROPOSED COMPENSATION

C Solutions shall perform the services defined in this scope of work for a lump sum fee of \$18,480. Invoices will be submitted to the CONSULTANT monthly and define the percent complete with each of the below tasks.

Task Description	Not to Exceed Amount
Task 1 – Video Inspection	\$2,980
Task 2 – Video Review	\$15,500
<b>TOTAL</b>	<b>\$18,480</b>

**Video Inspection Scope of Work**  
**Layne Inliner, LLC**

**Location:** Pahokee and South Bay

**Schedule:** Starting August or September, 2015

**Scope of Work:**

- Provide cleaning and video inspection on a unit cost basis for approximately 70,000 linear feet of gravity mains. Reference attached bid form for required unit cost pay items.
- The unit price shall provide full compensation for all work required to perform television inspection of sanitary sewer mains including, but not limited to, furnishing all labor, equipment and materials for cleaning, flow isolation, video inspection, and all incidentals related to sewer inspection. The products shall be acceptable to the OWNER or otherwise the CONTRACTOR shall re-televise the sewer line to the satisfaction of the OWNER. Measurement shall be to the nearest foot from the inside wall of manhole to inside wall of manhole for each section cleaned and televised.
- The television equipment operator shall be certified under the NASSCO (National Association of Sewer Service Companies) PACP (Pipeline Assessment Certification Program).
- Inspection procedures shall be in accordance with the latest version of the NASSCO Specification Guidelines.
- The television inspection forms to be utilized by the CONTRACTOR shall be those mandated by NASSCO's PACP. Both the "Header" and "Details" information of the form shall be entered as indicated in the PACP standards.
- In addition to "required" PACP fields, the CONTRACTOR shall collect the following additional fields designated as "optional" in PACP –
  - ✓ Field 2 – Owner
  - ✓ Field 4 – Drainage Area
  - ✓ Field 9 – Time
  - ✓ Field 29 – Total Length
  - ✓ Field 34 – Purpose

- ✓ Field 37 – Weather
- ✓ Field 41 – Project
- The deliverable shall be video inspection logs and CDs, as well as a PACP-compliant electronic deliverable capable of performing the NASSCO export option for uploading to the OWNER's GraniteNet software.
- Cost for proposed services are detailed below:

Description	Price
Unit price total (attached)	\$148,760.00
Clerical	\$1,740.00
<b>Total Price</b>	<b>\$150,500.00</b>

BID FORM

Layne Inliner, LLC

ITEM NO.	DESCRIPTION	ESTIMATED QUANTITY	UNIT	UNIT PRICE BID	TOTAL
1	Sewer main cleaning and TV inspection (6-inch through 12-inch)	67,000	L.F.	\$ <u>1.53</u>	\$ <u>102,510.00</u>
2	Sewer main cleaning and TV inspection (15-inch through 21-inch)	1,800	L.F.	\$ <u>2.00</u>	\$ <u>3,600.00</u>
3	Sewer main cleaning and TV inspection (24-inch through 30-inch)	1,200	L.F.	\$ <u>5.00</u>	\$ <u>6,000.00</u>
4	Mechanical root or grease removal (12-inch and smaller)	900	L.F.	\$ <u>0.50</u>	\$ <u>450.00</u>
5	Mechanical root or grease removal (15-inch through 21-inch)	300	L.F.	\$ <u>0.50</u>	\$ <u>150.00</u>
6	Mechanical root or grease removal (24-inch through 30-inch)	300	L.F.	\$ <u>0.50</u>	\$ <u>150.00</u>
7	Mechanical tuberculation/concrete removal (12-inch and smaller)	600	L.F.	\$ <u>20.00</u>	\$ <u>12,000.00</u>
8	Mechanical tuberculation/concrete removal (15-inch through 21-inch)	300	L.F.	\$ <u>20.00</u>	\$ <u>6,000.00</u>
9	Mechanical tuberculation/concrete removal (24-inch through 30-inch)	300	L.F.	\$ <u>20.00</u>	\$ <u>6,000.00</u>
10	Bypass pumping (6-inch through 10-inch sewer)	8	SET-UP	\$ <u>50.00</u>	\$ <u>400.00</u>
11	Bypass pumping (12-inch and 15-inch sewer)	2	SET-UP	\$ <u>75.00</u>	\$ <u>150.00</u>
12	Bypass pumping (18-inch through 21-inch sewer)	2	SET-UP	\$ <u>75.00</u>	\$ <u>150.00</u>
13	Bypass pumping (24-inch through 30-inch sewer)	2	SET-UP	\$ <u>100.00</u>	\$ <u>200.00</u>

BID FORM

Layne Juliner, LLC

ITEM NO.	DESCRIPTION	ESTIMATED QUANTITY	UNIT	UNIT PRICE BID	TOTAL
14	Maintenance of traffic - residential street	150	SET-UP	\$ <u>50.00</u>	\$ <u>7,500.00</u>
15	Maintenance of traffic - FDOT or City arterial roadway	10	SET-UP	\$ <u>50.00</u>	\$ <u>500.00</u>
16	Work in rear-yard easement (items 1 through 3)	10	EA	\$ <u>300.00</u>	\$ <u>3,000.00</u>
<b>TOTAL BID FOR ITEMS 1 THROUGH 16 INCLUSIVE:</b>					\$ <u>148,760.00</u>



# ATTACHMENT – C

## PROJECT SCHEDULE

The completion dates for this work will be as follows (starting from CONSULTANT'S receipt of Notice-to-Proceed).

<u>Engineering Services</u>	<u>Estimated Completion Date from Notice to Proceed</u>
Task 1 – Video Inspection / Survey	120 Calendar Days <sup>A</sup>
Task 2 – Video review and recommendations	60 Calendar Days
Total Time	180 Calendar Days

A – Days are estimated and may vary depending on weather and receipt of data requests

## Attachment – D

### Schedule 1

#### LIST OF PROPOSED SBE-M/WBE CONSULTANT/SUB-CONSULTANTS

PROJECT NAME: GL09 Glades Infiltration / Inflow Projects – Phase 2 PROJECT NO.: WUD 15-024  
 NAME OF PRIME CONSULTANT: Hazen and Sawyer, P.C. ADDRESS: 2101 NW Corporate Blvd., Suite 301, Boca Raton, FL 33431  
 CONTACT PERSON: Albert Muniz, P.E. / Vice President Phone No: (561) 997-8070 Fax No.: (561) 997-8129  
 DESCRIPTION OF SERVICES: Assistance with video services

**PLEASE LIST THE DOLLAR AMOUNT AND PERCENTAGE OF WORK TO BE COMPLETED BY THE PRIME ON THIS PROJECT.  
 PLEASE ALSO LIST THE DOLLAR AMOUNT AND PERCENTAGE OF WORK TO BE COMPLETED BY ALL SUB-CONSULTANTS ON THIS  
 PROJECT. IDENTIFY ALL APPLICABLE CATEGORIES OF CONSULTANT/SUBCONSULTANTS**

Name, Address and Phone Number	(Check one or both Categories)		Consultant / Sub-consultant Dollar Amount and Percentage of Services				
	<u>M/WBE</u>	<u>SBE</u>	Black	Hispanic	Women	Caucasian	Other (Please Specify)
	Minority Business	Small Business					
1. C Solutions, Inc. (954) 599-6331 1201 Tangelo Isle, Fort Lauderdale, FL 33315	<input checked="" type="checkbox"/>	<input type="checkbox"/>	\$18,480				
2.	<input type="checkbox"/>	<input type="checkbox"/>					
3.	<input type="checkbox"/>	<input type="checkbox"/>					
4.	<input type="checkbox"/>	<input type="checkbox"/>					
5.	<input type="checkbox"/>	<input type="checkbox"/>					

(Please use additional sheets if necessary)

Total \$18,480

Total SBE-M/WBE Participation 9.36 %

- NOTE:**
1. The percentages listed on this form must be supported by the sub-consultant included on Schedule 2 in order to be counted toward goal attainment.
  2. Firms may be certified by Palm Beach County as an SBE and/or M/WBE

**OSBA SCHEDULE 2  
LETTER OF INTENT TO PERFORM AS AN SBE-M/WBE CONSULTANT/SUBCONSULTANT**

This document must be completed by ALL SBE-M/WBE's and submitted with this CSA. Specify in detail, the particular consulting services to be performed and the dollar amount and/or percentage for each services. SBE credit will only be given for services which the SBE-M/WBE's is certified to perform. Failure to properly complete Schedule 2 will result in your SBE participation not being counted.

PROJECT NUMBER: WUD 15-024 PROJECT NAME: GL09 Glades I / I Projects – Phase 2  
TO: Hazen and Sawyer, P.C.  
(Name of Prime Consultant)

The undersigned is certified by Palm Beach County as a - (check one or more, as applicable):

Small Business Enterprise \_\_\_\_\_ Minority Business Enterprise X  
Black X Hispanic \_\_\_\_\_ Women \_\_\_\_\_ Caucasian \_\_\_\_\_ Other (Please Specify) \_\_\_\_\_

Date of Palm Beach County Certification: MARCH 3, 2014

The undersigned is prepared to perform the following described consulting services in connection with the above project and will enter into a formal agreement for work with you, conditioned upon execution of a contract with Palm Beach County.

Additional Sheets May Be Used As Necessary

(Specify in detail the particular consulting services thereof to be performed)

C Solutions will assist with video inspection services and with review of video surveys and preparation of recommendations  
\_\_\_\_\_  
\_\_\_\_\_

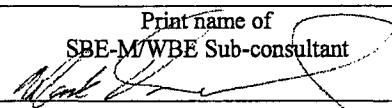
Total SBE-M/WBE Participation 9.36%

If undersigned intends to sub-subcontract any portion of this job to a certified SBE-M/WBE or a non-SBE sub-consultant, please list the name of that sub-consultant and the amount below.

Price or Percentage \$18,480.00 C Solutions, Inc.  
(Name of Sub-consultant)

The Prime Consultant affirms that it will monitor the SBE-M/WBE listed to ensure the SBE-M/WBE perform the services with their own work force. The undersigned SBE-M/WBE Prime or SBE-M/WBE sub-consultant affirms that it has the resources necessary to perform the work listed without subcontracting to a non-certified SBE or any other certified SBE sub-consultants except as noted above.

The undersigned sub-consultant understands that the provision of this form to the Prime Consultant does not prevent sub-consultant from providing quotations to other.

Mark Drummond, P.E. / President  
\_\_\_\_\_  
Print name of  
SBE-M/WBE Sub-consultant  
By:   
(Signature)  
Date: June 5, 2015

# State of Florida

## Minority, Women & Florida Veteran Business Certification

C Solutions Inc.

Is certified under the provisions of  
287 and 295.187, Florida Statutes for a period from:

03/03/2014 to 03/03/2016



DEPARTMENT OF MANAGEMENT  
SERVICES

*Craig J. Nichols*  
Craig J. Nichols, Secretary  
Florida Department of Management Services



**OSBA Schedule 3(A)  
PROFESSIONAL SERVICES ACTIVITY REPORT**

Project No.: WUD 15-024  
Task Authorization No.: 8

REPORTING PERIOD: \_\_\_\_\_

Prime Consultant Address: \_\_\_\_\_  
City / State \_\_\_\_\_ Zip \_\_\_\_\_  
Contact Person: \_\_\_\_\_ Phone # \_\_\_\_\_  
Contract Name: \_\_\_\_\_  
Contract Term: \_\_\_\_\_ Contract Amount: \_\_\_\_\_  
Total Percentage performed by Prime's Firm: \_\_\_\_\_ SBE-M/WBE Firm: \_\_\_\_\_  
Service Type: Architectural \_\_\_\_\_ Engineering \_\_\_\_\_ Surveying \_\_\_\_\_  
Other (Specify) \_\_\_\_\_  
Have Sub-Consultants completed work with its own workforce for this application?  
Yes \_\_\_\_\_ No \_\_\_\_\_

Note: If yes, complete below:

**SUB-CONSULTANTS**

1. Firm's Name: \_\_\_\_\_  
Address / Tel: \_\_\_\_\_  
Estimated Start Date: \_\_\_\_\_ Contract Amount: \_\_\_\_\_  
SCOPE OF WORK: \_\_\_\_\_  
Percentage / Hrs Completed: \_\_\_\_\_ Amount Paid to Date: \_\_\_\_\_
2. Firm's Name: \_\_\_\_\_  
Address / Tel: \_\_\_\_\_  
Estimated Start Date: \_\_\_\_\_ Contract Amount: \_\_\_\_\_  
SCOPE OF WORK: \_\_\_\_\_  
Percentage / Hrs Completed: \_\_\_\_\_ Amount Paid to Date: \_\_\_\_\_
3. Firm's Name: \_\_\_\_\_  
Address / Tel: \_\_\_\_\_  
Estimated Start Date: \_\_\_\_\_ Contract Amount: \_\_\_\_\_  
SCOPE OF WORK: \_\_\_\_\_  
Percentage / Hrs Completed: \_\_\_\_\_ Amount Paid to Date: \_\_\_\_\_

I certify that the above is true to the best of my knowledge  
/ Vice President

\_\_\_\_\_  
Signature / Title



**OSBA SCHEDULE 4 – SBE-M/WBE PAYMENT CERTIFICATION**

The Prime Contractor is to submit Schedule 4 with its Monthly Payment Request to Palm Beach County to reflect actual payments made to the SBE-M/WBE Sub-contractor. The Prime Contractor is not to request signature from an SBE-M/WBE Sub-contractor unless it has made a payment to the SBE-M/WBE Sub-contractor. The SBE-M/WBE Sub-contractor is not to complete and sign this form unless it has received a payment from the Prime Contractor for services actually performed by the SBE-M/WBE Sub-contractor. A separate Schedule 4 is required for each SBE-M/WBE Sub-contractor payment.

This is to certify that \_\_\_\_\_ received  
(SBE or M/WBE Sub-contractor Name)

(Monthly) or (Final) payment of \$0.00

On \_\_\_\_\_ - \_\_\_\_\_ - 2015 from \_\_\_\_\_  
MM DD YYYY (Prime Contractor Name)

For labor and/or material used on \_\_\_\_\_ / \_\_\_\_\_  
(Project Name) (Work Order)

DEPT.: WUD PROJECT NO.: \_\_\_\_\_

PRIME CONTRACTOR VENDOR CODE: \_\_\_\_\_  
SBE OR MWBE SUB-CONTRACTOR VENDOR CODE: \_\_\_\_\_

If the SBE Sub-contractor intends to disburse any funds associated with this payment to any Sub-contractor for labor provided on this project, please provide the following information:

\*Sub-contractor Name: \_\_\_\_\_ Amount to be paid: \_\_\_\_\_

\*Note: If the sub-contractor listed in this section is an SBE or M/WBE a separate Schedule 4 is required to verify payment.

By: \_\_\_\_\_  
(Signature of Sub-contractor) (Print Name & Title of Person executing on behalf of Subcontractor)

STATE OF FLORIDA  
COUNTY OF  
Sworn to and subscribed before me this \_\_\_\_\_ day of \_\_\_\_\_ 2015  
By: \_\_\_\_\_

\_\_\_\_\_  
Notary Public, State of Florida  
\_\_\_\_\_  
Print, Type or Stamp Commissioned Name of Notary

Personally Known \_\_\_\_\_ OR Produced Identification \_\_\_\_\_ Type of Identification \_\_\_\_\_

# ATTACHMENT – E

## AUTHORIZATION STATUS REPORT

### SUMMARY AND STATUS OF REQUESTS FOR AUTHORIZATIONS

Auth. No.	Description	Status	Project Total Amount	SBE Total Amount	SBE Participation %	Approved By	Date Approved	WUD No. Assigned	Consultant's Project No.
1	SRWRF Pretreatment Screenings	Approved	\$98,418.00	\$27,500.00	27.94%	PBCWUD	07/23/14	14-036	45008-001
2	Western Region WWTF Clarifier PDR	Approved	\$97,782.00	\$48,394.60	49.49%	PBCWUD	07/23/14	14-060	45008-002
3	Challenge Grant Application	Approved	\$19,600.00	\$0.00	0.00%	PBCWUD	09/05/14	14-101	45008-003
4	Digester Biogas	Approved	\$19,810.00	\$0.00	0.00%	PBCWUD	12/18/14	14-030	45008-004
5	Sanitary Sewer Evaluation Survey	Approved	\$60,404.00	\$39,266.00	65.00%	PBCWUD	05/13/15	15-024	45008-005
6	Glades Master Plan Cont'd. Assist.	Approved	\$19,045.00	\$0.00	0.00%	PBCWUD	05/21/15	14-101	45008-006
7	GL09 Glades Infiltration / Inflow Projects – Phase 1	Pending	\$180,800.00	\$68,100.00	37.66%			15-024	45008-007
8	GL09 Glades Infiltration / Inflow Projects – Phase 2	Pending	\$197,300.00	\$18,480.00	9.36%			15-024	45008-008
<b>Total</b>			<b>\$693,159.00</b>	<b>\$201,740.60</b>	<b>29.10%</b>				

**ATTACHMENT – F**  
**AUTHORIZATION STATUS REPORT**

SUMMARY OF STATUS OF  
SMALL BUSINESS TRACKING SYSTEM

	Total	SBE
<b>Current Proposal</b>		
Value of this Authorization	\$197,300.00	\$18,480.00
Value of SBE Letters of Intent	\$18,480.00	\$18,480.00
Actual Percentage	9.36%	100.00%
<b>Signed Authorizations</b>		
Total Value of Authorizations	\$315,059.00	\$115,160.60
Total Value of SBE Signed Subcontracts	\$115,160.60	\$115,160.60
Actual Percentages	36.55%	100.00%
<b>Signed Authorizations Plus Current Proposals</b>		
Total Value of Authorizations	\$512,359.00	\$133,640.60
Total Value of SBE Signed Subcontracts & Letters of Intent	\$133,640.60	\$133,640.60
Actual Percentages	26.08%	100.00%
<b>Goal</b>	<b>22.00%</b>	<b>22.00%</b>

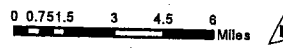
Note: \$150,500.00 of the current proposal are expenses related to the service company performing the video.

# ATTACHMENT 1 - LOCATION MAP

MARTIN COUNTY

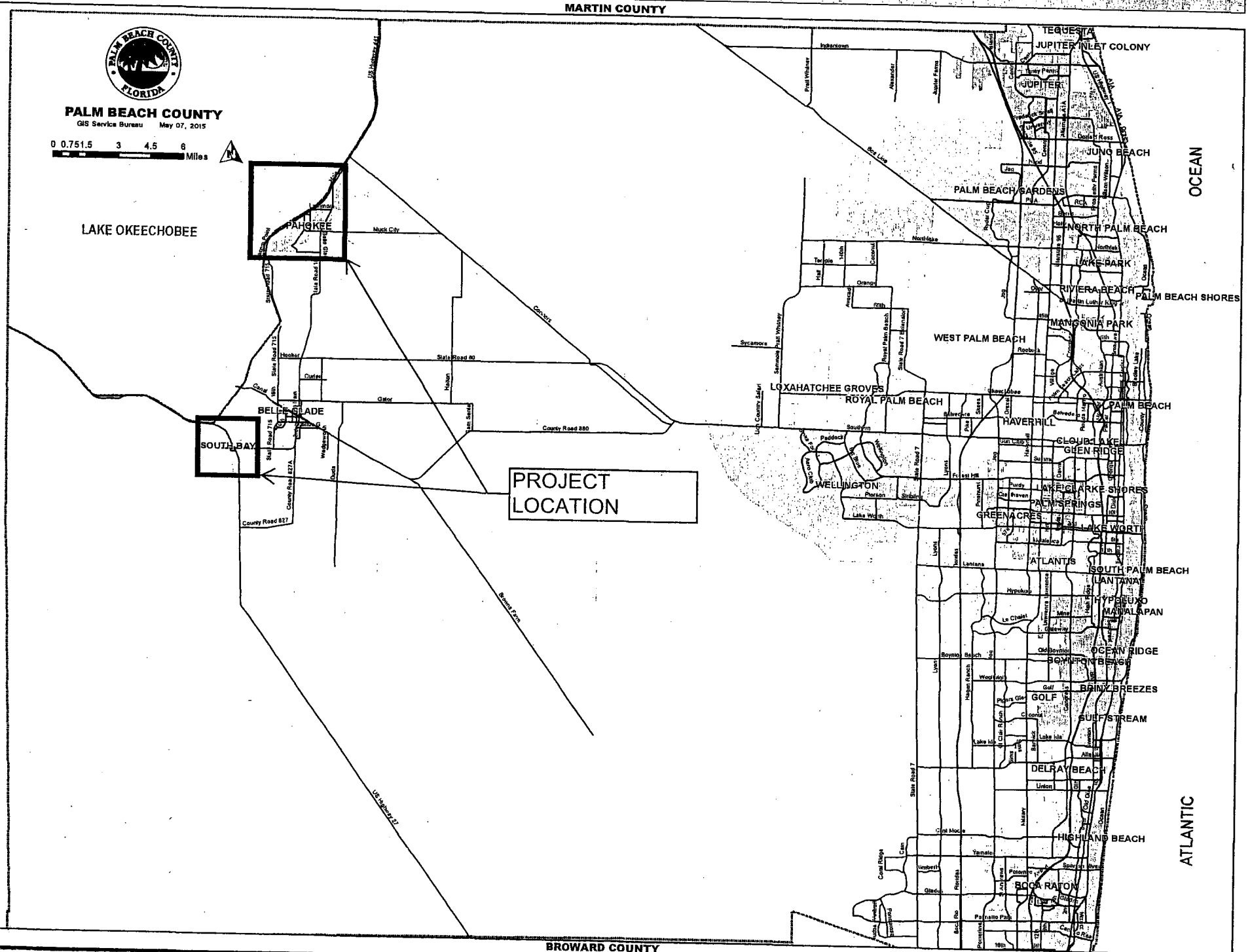


**PALM BEACH COUNTY**  
GIS Services Bureau May 07, 2015



XIII

HENDRY COUNTY



**PROJECT  
LOCATION**

BROWARD COUNTY