

Walters, Vivian (SPEE)

From: Walters, Vivian (SPEE)
Sent: Wednesday, May 02, 2012 10:55 AM
To: David, Patty (WASD)
Cc: Johnson, Laurie (SPEE); Leu, Sara C. (WASD); Quintana, Ileana (SPEE)
Subject: RE: Review Item SPEE ISD Project No. E12-WASD-02
Attachments: Responses-E12-WASD-02.pdf

Good Morning,

SBD has completed its analysis for the subject project and is making a recommendation of a **“Tier 1 Set-Aside”**.

Find attached responses including previous projects of a similar scope and affirmative answers to the criteria that must be met by the prime, (presented in the form of **three** questions).

Please review and respond as to your **“concurrence”** or **“dissent”** based on the CBE firms having met (or not) the requirements at this phase, **(based the project scope and/or requirements)**.

Advise as to any *“errors, omissions, and/or misunderstandings”*.

Regards,

Vivian O. Walters, Jr.

Contract Development Specialist II
Sustainability, Planning & Economic Enhancement Dept. (SPEED)
Small Business Development Division
111 NW 1st Street #19 Floor
Miami, Fl 33128
walterv@miamidade.gov

☎ Office (305) 375-3138 | 📠 Fax (305) 375-3160

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From: David, Patty (WASD)
Sent: Tuesday, April 24, 2012 10:39 AM
To: Walters, Vivian (SPEE)
Subject: RE: Review Item SPEE ISD Project No. E12-WASD-02

Per your request. Let me know if you have any questions.

Thanks.

Patricia David

VERIFICATION OF AVAILABILITY

DEPARTMENT OF SMALL BUSINESS DEVELOPMENT
COMMUNITY BUSINESS ENTERPRISE PROGRAM
111 N.W. 1ST STREET, 19TH FLOOR
MIAMI, FLORIDA 33128

PROGRAM COORDINATOR: MR. VIVIAN WALTERS, JR.

I am herewith submitting this letter of verification of availability and capability to propose at such time as this project is advertised. (NOTE: Please provide all the information requested; incomplete and/or incorrect verifications are not acceptable or usable.)

CONTRACT TITLE AND NUMBER: Non-exclusive Professional Services for the
Replacement/Rehabilitation of a 72-inch Sanitary
Sewage Force Main along NW/NE 159th Street
between NW 17th Ave and NE 10th Ave

E12-WASD-02

CONTRACT ESTIMATED AMOUNT: \$500,000.00

Triangle Associates Inc. Certification Expires: 4/30/15

NAME OF COMMUNITY BUSINESS ENTERPRISE DATE

7880 W. 25 Court Hialeah 33016

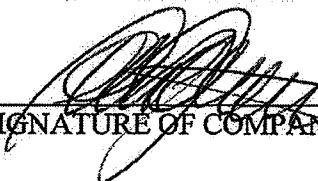
ADDRESS CITY ZIP CODE

Telephone: 305-817-8443

Bonding Capacity: N/A

Osiris Quintana, President

PRINT NAME AND TITLE

 5/1/2012

SIGNATURE OF COMPANY REPRESENTATIVE DATE

REVISED 10/11/94

Overall Project Description

At this time, WASD needs to replace/rehabilitate the 3.5 miles of 72-inch force main between Northwest 17th Avenue and Northeast 10th Avenue. In order to do so, WASD requests that the results of the pipeline condition assessment performed by Pure Technologies be reviewed and used as the basis of design (no additional condition assessment will be performed as part of this Work Order) for the rehabilitation/replacement of this portion of the force main; recommendations for the rehabilitation/replacement of force main be submitted; and a design build criteria package contract document for the renewal rehabilitation/replacement of the force main be prepared, procured and awarded.

The selected consultant will develop contract documents to a level sufficient for the procurement and award of a design-build contract for the rehabilitation/replacement of the 72-inch force main. WASD anticipates the following services to be provided: evaluating the rehabilitating/replacement alternatives for the 72-inch force main; identifying permits required and maintenance of traffic issues during the construction; surveying; coordinating with other utilities, governmental agencies and/or municipalities, and other professional consultants; preparation of design reports, contract documents, design drawings, specifications; cost estimates and project schedules; provide assistance as needed during contract procurement and construction phases of the project.

***Minimum Requirements**

- Prime must be certified in both 6.01 and 17.00.

The **Prime** consultant selected must have all of the experience listed below:

- Design and post design services of a minimum of three (3) pipeline projects, including pressurized pipeline design, within the last five (5) years.

Do you have prior experience satisfying the above stated? Yes No

- Design and post design services of at least one (1) project with a 48-inch diameter pressurized main within the last five (5) years.

Do you have prior experience satisfying the above stated? Yes No

- Prior experience in trenchless design and rehabilitation of large diameter pipes within the last five (5) years.

Do you have prior experience satisfying the above stated? Yes No

CBE firms are required to provide the project names, dollar values, and contact names of the projects worked on (satisfying the above stated requirements).

***This information is REQUIRED along with the signed Verification Form**

Walters, Vivian (SPEE)

From: Osiris Quintana [oquintana@triangleassociates.cc]
Sent: Tuesday, May 01, 2012 2:29 PM
To: Walters, Vivian (SPEE)
Subject: RE: E12-WASD-02
Attachments: WASDprojects-05012012.pdf; DOC008.PDF

Vivian

Attached please find out verification of availability and project references.

Thanks

Osiris Quintana, P.E.



President
Triangle Associates Inc.
7880 West 25th Court
Hialeah, FL 33016
Tel. 305.817.8443, Ext 35, Fax 305.817.8471
oquintana@triangleassociates.cc

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From: Walters, Vivian (SPEE) [mailto:WalterV@miamidade.gov]
Sent: Thursday, April 26, 2012 4:47 PM
To: Walters, Vivian (SPEE); antonioaa@comcast.net; namedee@ambroeng.com; info@ambroeng.com; jrvino@avinoandassociates.com; mdrummond@csolutions-us.com; cpierce@cardozo.com; rwcadozo@cardozo.com; kwgroce@att.net; cwi@civilworks.com; lbell@civilworks.com; lrodriguez@craengineering.com; mfermanian@crjassociates.com; eproto.egsc@att.net; esmith@esconsultants.net; grodriguez@esconsultants.net; info@globexeng.com; khatami@globexeng.com; oaojito@ojito.com; jay@hsqgroup.net; nour@hsqgroup.net; tony@hsqgroup.net; office@leiterperez.com; ory@ludovici-orange.com; gnnadi@nadicinc.com; onnadi@nadicinc.com; snifah@nifahpartners.com; mcfuertes@ojito.com; geckardt@pds-eng.com; ljurado@pds-eng.com; pds@pds-org.com; bbehar@rjbehar.com; rafaeljuanb@aol.com; rafaeljuanb@aol.com; rrobayna@robayna.com; robayna@robayna.com; rudyeng@bellsouth.net; ross@rossengineers.com; mross@rossengineers.com; ignacio@srs-corp.com; letisia@srs-corp.com; mosorio@terraccivil.net; luis@betajones.com; oquintana@triangleassociates.cc; yh@yhengineering.com
Cc: Johnson, Laurie (SPEE)
Subject: RE: E12-WASD-02

Please see attached "**Verification of Availability**" and respond accordingly. Please disregard previous email.

Regards,

Vivian O. Walters, Jr.
Contract Development Specialist II
Sustainability, Planning & Economic Enhancement Dept. (SPEED)
Small Business Development Division
111 NW 1st Street #19 Floor
Miami, FL 33128

walterv@miamidade.gov

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From: Walters, Vivian (SPEE)

Sent: Thursday, April 26, 2012 4:35 PM

To: 'antonioaa@comcast.net'; 'namedee@ambroeng.com'; 'info@ambroeng.com'; 'jravino@avinoandassociates.com'; 'mdrummond@csolutions-us.com'; 'cpierce@cardozo.com'; 'rwcadozo@cardozo.com'; 'kwgroce@att.net'; 'cwi@civilworks.com'; 'lbell@civilworks.com'; 'lrodriguez@craengineering.com'; 'mfermanian@crjassociates.com'; 'eproto.egsc@att.net'; 'esmith@esconsultants.net'; 'grodriguez@esconsultants.net'; 'info@globexeng.com'; 'khatami@globexeng.com'; 'oajito@ojito.com'; 'jay@hsqgroup.net'; 'nour@hsqgroup.net'; 'tony@hsqgroup.net'; 'office@leiterperez.com'; 'ory@ludovici-orange.com'; 'gnnadi@nadicinc.com'; 'onnadi@nadicinc.com'; 'snifah@nifahpartners.com'; 'mcfuertes@ojito.com'; 'geckardt@pds-eng.com'; 'ljurado@pds-eng.com'; 'pds@pds-org.com'; 'bbehar@rjbehar.com'; 'rafaeljuanb@aol.com'; 'rafaeljuanb@aol.com'; 'rrobayna@robayna.com'; 'robayna@robayna.com'; 'rudying@bellsouth.net'; 'ross@rossengineers.com'; 'mross@rossengineers.com'; 'ignacio@srs-corp.com'; 'letisia@srs-corp.com'; 'mosorio@terracivil.net'; 'luis@betajones.com'; 'oquintana@triangleassociates.cc'; 'yh@yhengineering.com'

Cc: Johnson, Laurie (SPEE)

Subject: E12-WASD-02

Please see attached "**Verification of Availability**" and respond accordingly.

Regards,

Vivian O. Walters, Jr.

Contract Development Specialist II
Sustainability, Planning & Economic Enhancement Dept. (SPEED)
Small Business Development Division
111 NW 1st Street #19 Floor
Miami, FL 33128

walterv@miamidade.gov

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April 26, 2011

To: 1st Tier CBE Engineering Firms

Re: Non-exclusive Professional Services for the Replacement/Rehabilitation of a 72-inch Sanitary Sewage Force Main along NW/NE 159th Street between NW 17th Ave and NE 10th Ave

Project No.: E12-WASD-02

The above-referenced project is being considered for competition solely among Community Business Enterprise (CBE) firms. If you are interested in participating as a 1st CBE Prime Consultant to perform work in connection with this project, **please complete and return the attached Verification of Availability form and provide examples of work your firm has completed (required) on similar projects as outlined in the attached project description, by 12:00pm, Tuesday May 1st, 2012.**

Please review the attached project description and requirements. These specifications are being reviewed and are subject to change.

The Verification of Availability form and required examples of previous work may be sent via facsimile transmission (305) 375-3160 or email to walterv@miamidade.gov. If you have any questions, please contact me at (305) 375-3138.

Sincerely,

A handwritten signature in black ink, appearing to read "Vivian O. Walters, Jr." with a stylized flourish at the end.

Vivian O. Walters, Jr.,
Contract Development Specialist 2
Sustainability, Planning & Economic Enhancement Dept. (SPEED)
Small Business Development Division

Attachments

VERIFICATION OF AVAILABILITY

DEPARTMENT OF SMALL BUSINESS DEVELOPMENT
COMMUNITY BUSINESS ENTERPRISE PROGRAM
111 N.W. 1ST STREET, 19TH FLOOR
MIAMI, FLORIDA 33128

PROGRAM COORDINATOR: MR. VIVIAN WALTERS, JR.

I am herewith submitting this letter of verification of availability and capability to propose at such time as this project is advertised. (NOTE: Please provide all the information requested; incomplete and/or incorrect verifications are not acceptable or usable.)

CONTRACT TITLE AND NUMBER: Non-exclusive Professional Services for the Replacement/Rehabilitation of a 72-inch Sanitary Sewage Force Main along NW/NE 159th Street between NW 17th Ave and NE 10th Ave

E12-WASD-02

CONTRACT ESTIMATED AMOUNT: \$500,000.00

CRJ & ASSOCIATES, INC
NAME OF COMMUNITY BUSINESS ENTERPRISE Certification Expires: 08/31/2102
DATE

Miami Office: 451 NE 189th ST., Miami, FL 33179 / Headquarters: 2699 Stirling Rd., Suite C-106 Ft. Lauderdale, FL 33312

ADDRESS CITY ZIP CODE

Telephone: (786) 331-7370 / (954) 239-4330 Bonding Capacity: N/A

Marc A. Fermanian, MSCE, P.E. - President (FL Lic. No. 52626)

PRINT NAME AND TITLE


SIGNATURE OF COMPANY REPRESENTATIVE

April 27th 2012
DATE

REVISED 10/11/94

DESCRIPTION OF PROJECT

Project Title: Non-exclusive Professional Services for the Replacement/Rehabilitation of a 72-inch Sanitary Sewage Force Main along NW/NE 159th Street between NW 17th Ave and NE 10th Ave

Project Number: E12-WASD-02

Department: Water & Sewer

Estimated Cost: \$500,000.00

Technical Categories:

TC No.	Description	Percentage	Amount
6.01	Water Distribution & Sanitary Sewage (Prime)	65	\$325,000
17.00	Engineering Construction Management (Prime)	5%	\$25,000
10.05	Environmental Engineering – Contamination Assessment & Monitoring	5%	\$25,000
11.00	General Structural Engineering	5%	\$25,000
15.01	Land Surveying	10%	\$50,000
16.00	General Civil Engineering	10%	\$50,000
Total Estimated Consultant Fees		100%	\$500,000.00

Overall Project Description

At this time, WASD needs to replace/rehabilitate the 3.5 miles of 72-inch force main between Northwest 17th Avenue and Northeast 10th Avenue. In order to do so, WASD requests that the results of the pipeline condition assessment performed by Pure Technologies be reviewed and used as the basis of design (no additional condition assessment will be performed as part of this Work Order) for the rehabilitation/replacement of this portion of the force main; recommendations for the rehabilitation/replacement of force main be submitted; and a design build criteria package contract document for the renewal rehabilitation/replacement of the force main be prepared, procured and awarded.

The selected consultant will develop contract documents to a level sufficient for the procurement and award of a design-build contract for the rehabilitation/replacement of the 72-inch force main. WASD anticipates the following services to be provided: evaluating the rehabilitating/replacement alternatives for the 72-inch force main; identifying permits required and maintenance of traffic issues during the construction; surveying; coordinating with other utilities, governmental agencies and/or municipalities, and other professional consultants; preparation of design reports, contract documents, design drawings, specifications; cost estimates and project schedules; provide assistance as needed during contract procurement and construction phases of the project.

*Minimum Requirements

- **Prime must be certified in both 6.01 and 17.00.**

The **Prime** consultant selected must have **all** of the experience listed below:

- Design and post design services of a minimum of three (3) pipeline projects, including pressurized pipeline design, within the last five (5) years.

Do you have prior experience satisfying the above stated? Yes XX No _____

- Design and post design services of at least one (1) project with a 48-inch diameter pressurized main within the last five (5) years.

Do you have prior experience satisfying the above stated? Yes XX No _____

- Prior experience in trenchless design and rehabilitation of large diameter pipes within the last five (5) years.

Do you have prior experience satisfying the above stated? Yes XX No _____

CBE firms are required to provide the project names, dollar values, and contact names of the projects worked on (satisfying the above stated requirements).

***This information is REQUIRED along with the signed Verification Form**

GENERAL OVERVIEW OF SERVICES

The Mayor of Miami-Dade County, pursuant to Section 287.055, Florida Statutes, Sections 2-8.1 and 2.10.4 of the Miami-Dade County Code and Administrative Order 3-39, announces that the Miami-Dade Water and Sewer Department (WASD) will require a design criteria professional to prepare a design criteria package for the rehabilitation/replacement of a 72-inch sanitary sewer force main. This project requires highly specialized engineering expertise and other technical services including but not limited to, development of design criteria package, compliance review of contract documents, post design services during construction, and project coordination services on an as-needed basis for the duration of the project. The selected consultant will be responsible for completing a Pipeline Rehabilitation/Replacement Report, recommend a pipeline rehabilitation method(s), prepare the Design-Build Criteria Package for the selected alternative, assist the County during the Design/Build Contractor selection process, and provide compliance reviews and support services during the design and construction phases of the replacement/rehabilitation of the 72-inch force main along Northwest/Northeast 159th Street between Northwest 17th Avenue and Northeast 10th Avenue.

The 72-inch force main Interceptor Number-9 is approximately 5 miles long and conveys wastewater along Northwest/Northeast 159th Street to the North District Wastewater Treatment Plant. The material for this segment of the 72-inch force main is Prestressed Concrete Cylinder Pipe or Embedded Cylinder Pipe which was installed in the late 1970's.

On June 18th, 2010, a portion of the 72-inch Prestressed Concrete Cylinder Pipe force main experienced a catastrophic failure just west of Northwest 17th Avenue. The corresponding failed pipe, along with an adjacent pipe segment, were removed and replaced at that time.

A forensic analysis of the failed and adjacent pipes prepared by Lewis Engineering and Consulting, Inc. suggested the primary mode of failure to be loss of structural integrity resulting from corrosion-induced hydrogen embrittlement of the Class IV prestressing steel wires. It was further suggested that the pipe section may have had pre-existing wire break damage and that a pressure transient, or surge event, could have increased the pressure inside the 72-inch force main, causing the failure. Due to concerns over the condition of the pipeline, and the risk associated with an additional failure, WASD contracted Pure Technologies in November, 2010 to conduct an internal inspection and a condition assessment of the 72-inch force main's prestressed wires.

Pipeline inspection, engineering analysis, and condition assessment of the 72-inch force main were conducted between January and February 2011.

Based on the results of these inspections, approximately 1.5 miles of the force main between Northwest 32 Avenue and Northwest 17 Avenue were rehabilitated by slip lining the existing 72-inch force main with high density polyethylene pipe.



miamidade.gov

**Sustainability, Planning and Economic
Enhancement Department**

111 NW 1 Street, 19th Floor
Miami, Florida 33128
T 305-375-3111 F 305-375-3160

March 5, 2012

CERT. NO: 437
EXPIRATION DATE: 08/31/2012

Marc Fermanian
CRJ & ASSOCIATES, INC.
7220 NW 36th St, Suite 408
Miami, FL 33166

Dear Mr. Fermanian

The Department of Small Business Development (SBD) acknowledges receipt of your renewal application and attachments submitted for certification. Pursuant to Section 2-10.4.01 amending the Code of Miami Dade County, which governs the Community Business Enterprise Program (CBE) providing provisions to retroactively apply a temporary extension to certified firms during the recertification renewal process, your firm is officially granted an extension and is certified as (CBE) in the categories listed below.

This certification is valid for six (6) months, which will expire on or before August 31, 2012. This certification affords your company the opportunity to benefit from participation in county contracts with small business measures. Please note the trade categories listed below. These are the only sheltered market areas that your company is eligible to bid or participate in under your current certification.

In the interim, your firm will be included in our registry of certified businesses and will expire as noted above. However, if during the review process of your renewal affidavit the required documentation is not submitted on or before the requested date given by SBD, your firm may be removed from the register of certified businesses. This certification may require additional review at the time of bid or when your company is being considered by a prime contractor to meet a goal. Please note that the final completion of your recertification renewal process is contingent on your compliance to the certification eligibility requirements as stated in the code.

If any changes occur within your company during the certification period (such as ownership, address, telephone number, trade category, licensing, technical certification, or if the business ceases to exist) you must notify this office in writing immediately. It is imperative that we maintain current information on your company at all times. All inquiries or changes related to this certification should be directed to the Certification Unit between the hours of 8:00 a.m. and 5:00 p.m. Monday through Friday.

We look forward to your continued participation in Miami-Dade County's small and/or disadvantaged business programs.

Sincerely,


Sheri McGriff, Director
Business Opportunity Support Services
Small Business Development Division
Sustainability, Planning and Economic Enhancement Department

CATEGORIES: (Your firm may bid or participate on contracts only under these categories)

- * TRANSPORTATION PLANNING-AVIA/AIRPORT MASTER PLAN
- * HIGHWAY SYSTEMS-SITE DEVELOP/PARKING LOT DESIGN
- * HIGHWAY SYSTEMS-HIGHWAY DESIGN
- * AVIATION SYSTEMS-ENGINEERING DESIGN
- * W & S SEWER SYS-WATER DIST & SANITARY SEWAGE COLL
- * W & S SEWER SYS-MAJOR WATER & SEWER PUMPING FACILI

March 5, 2012

CERT. NO: 437
EXPIRATION DATE: 08/31/2012

Marc Fermanian
CRJ & ASSOCIATES, INC.
7220 NW 36th St, Suite 408
Miami, FL 33166

CATEGORIES: (Your firm may bid or participate on contracts only under these categories)

- * ENVIRONMENTAL ENG-STORMWATER DRAINAGE DESIGN SERV
- * GENERAL CIVIL ENGINEERING
- * ENGINEERING CONSTRUCTION MANAGEMENT
- * HIGHWAY SYSTEMS-SIGNING, PAVEMENT MARKING, CHANNEL
- * ENGINEERING SERVICES



**Miami-Dade County
Office of Capital Improvements**

Statement of Technical Certification Categories

Firm: CRJ & Associates, Inc.
7220 NW 36 Street, Suite 408
Miami, FL 33166

<u>CATEGORY NO:</u>	<u>CATEGORY DESCRIPTION</u>	<u>APPROVAL DATE</u>	<u>EXPIRATION DATE</u>
1.03	TRANSPORTATION PLANNING - AVIATION SYSTEMS AND AIRPORT MASTER PLANNING	8/18/2010	9/30/2012
3.01	HIGHWAY SYSTEMS - SITE DEVELOPMENT AND PARKING LOT DESIGN	8/18/2010	9/30/2012
3.02	HIGHWAY SYSTEMS - HIGHWAY DESIGN	8/18/2010	9/30/2012
3.09	HIGHWAY SYSTEMS - SIGNING, PAVEMENT MARKING, AND CHANNELIZATION	9/21/2011	9/30/2012
4.01	AVIATION SYSTEMS - ENGINEERING DESIGN	8/18/2010	9/30/2012
6.01	WATER AND SANITARY SEWER SYSTEMS - WATER DISTRIBUTION AND SANITARY SEWAGE COLLECTION AND TRANSMISSION SYSTEMS	9/21/2011	9/30/2012
6.02	WATER AND SANITARY SEWER SYSTEMS - MAJOR WATER AND SANITARY SEWAGE PUMPING FACILITIES	9/21/2011	9/30/2012
10.01	ENVIRONMENTAL ENGINEERING - STORMWATER DRAINAGE DESIGN ENGINEERING SERVICES	8/18/2010	9/30/2012
16.00	GENERAL CIVIL ENGINEERING	8/18/2010	9/30/2012
17.00	ENGINEERING CONSTRUCTION MANAGEMENT	8/18/2010	9/30/2012

Luisa M. Millan, R. A., Chairperson
Chief, Professional Services Division
Office of Capital Improvements

West Side Booster Pump Station Miami International Airport

Project Experience

Project Location:
Miami Dade – Milam Dairy Road
NW 72nd Avenue

Client/Project Owner:
Miami Dade Aviation Department
Dade Aviation Consultant
Miguel J. Riera, P.E. (MDAD) Eng. III
P: (305) 876-0596
Ernesto Beltre, P.E. (MDAD) Chief Eng.
P: (305) 876-0787

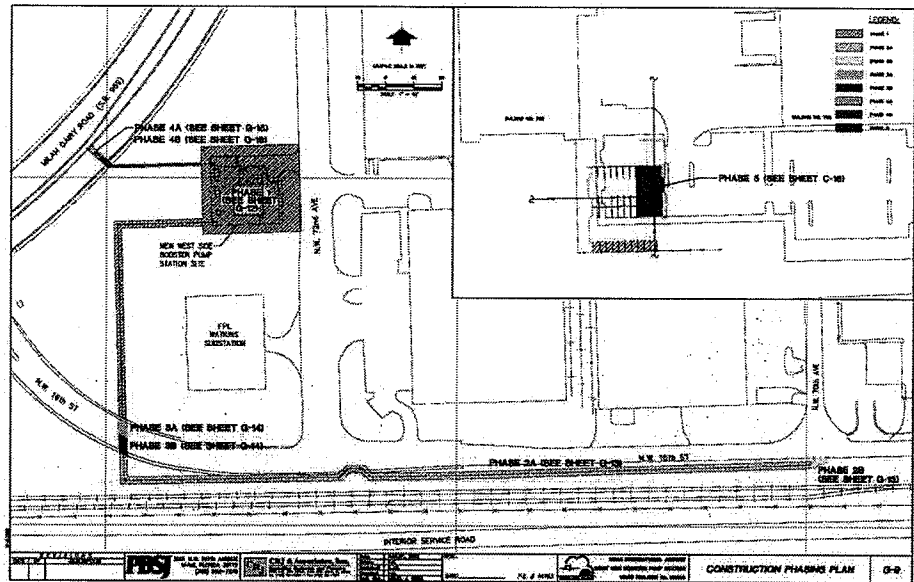
Starting Date: November 2002

Estimated Cost
\$25,000

Up-Date Efforts: September 2009

Project Description:

The goal of this project was to provide the Miami-Dade Aviation Department (MDAD) with design, permitting, bidding, and construction phase services for a new inline raw wastewater booster pump station on the west side of the Miami International Airport. Currently, all sewage flows on the airport property are collected from a series of individual lift stations, combined into a single forcemain and connected to the Miami-Dade Water and Sewer Department (MDWASD) forcemain system through a single point of connection on the east airport property. Concerns for reliance on a single connection point have led to the need for a second point of connection to the MDWASD system on the west side of the airport property. An inline booster pump station will be required to boost the combined forcemain flows to adequate pressure as needed to enter the existing 48-inch MDWASD forcemain in Milam Dairy Rd. (NW 72nd Avenue).



This project is the continuation of the Preliminary Design effort completed by PBS&J in November, 2001 (Miami-Dade Aviation Department West Side Booster Station Project Book). A copy of the project book was provided to each team member firm. The Project Book provides information concerning the design criteria, preliminary site and facility layout, proposed forcemain routing and connection points, existing utilities, various agency interface requirements, traffic management issues, and permitting requirements.

The Project was 'shelved' for several years and CRJ assisted with the Prime Consultant in updating design drawings and the WASD Permit (September 2009). In 2012, the project was Civil Engineering component and the building structure was completed.

Key Personnel (Updated Efforts):

Marc A. Fermanian, MSCE, P.E. – President
Carlos Ortega, E.I. Project Designer / Permit Coordination



CRJ & Associates, Inc.

Consulting Engineers and Planners

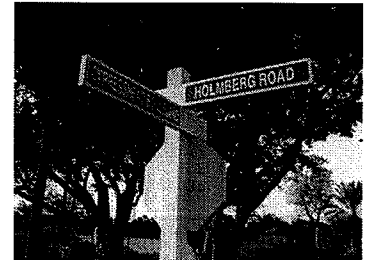
City of Parkland, Florida
Holmberg Road Improvement: SEGMENT #1 & #2
Parkside Drive to S.R. 7/US 441 CONSTRUCTION SERVICES
City of Parkland Public Works Department

Project Experience

Project Location: Holmberg Road – (Segment #1 & #2) Parkland, FL (Broward Co.)		Client/Project Owner: City of Parkland, FL Public Works Department
Completion Date: Construction Completed: Nov. 2008	Cost of Construction: \$2.7 Million (Segment #1 & #2) Consulting Fees: \$35,000	Caryb Gardner-Young; City Manager (954) 753-5040 cgardneryoung@cityofparkland.org

Project Description:

Holmberg Road is currently the only east-west passage through the City of Parkland and is definitive of the City’s appearance. In addition to CRJ’s involvement with the design and permitting of Segment #1, CRJ played a role in providing Construction Management Services for Segment #2’s Asphalt Milling & Overlay as well as the inspections for Segment #1’s 12-inch Watermain to be owned and operated by the City of Coconut Creek. The Watermain with a total of 16 fire hydrants was installed as per the requirements of the City’s Fire Department.



Construction Services:

- Attend the project progress meetings and make site observation visits to verify project progress and conformance to construction drawings, permits and technical specifications.
- Review shop drawings and other submittals for conformance to the Contract Documents. In specific, watermain components and hydrants must adhere to the City of Coconut Creek’s Engineering Standards. Similarly, traffic striping and bike lanes shall need to be installed in strict conformance of BCTED standards and requirements.
- Respond to contractor requests for information (RFIs) through the City’s assigned project representative, and prepare responses with a seven-day maximum turn-around time.
- Participate in the punch-list inspection and the final inspection.
- Review and assist with the preparation of As-Built Drawings submitted by the Contractor and complete the As-Built Process by providing the City with Signed & Sealed Drawings of the Constructed Conditions.
- Provide project completion certifications, testing results, and record information to regulatory permitting agencies for approval of service and/or operational permits as required per agencies.



Key Personnel:
 Marc A. Fermanian, P.E.
 Carlos Ortega, E.I.

Project Manager
 Project Engineer



CRJ & Associates, Inc.
 Consulting Engineers and Planners

T-553 Site Development at Orlando International Airport

Project Experience

Project Location:

Orlando International Airport
(MCO) Orlando, FL

Client/Project Owner:

Galaxy Aviation
2255 Glades Rd. Suite 321A
Boca Raton, FL 33431
(561) 347-8585
Contact: Jonathan P. Miller

Estimated Completion Date:

September 2008

Estimated Cost:

\$ 6.5 Million

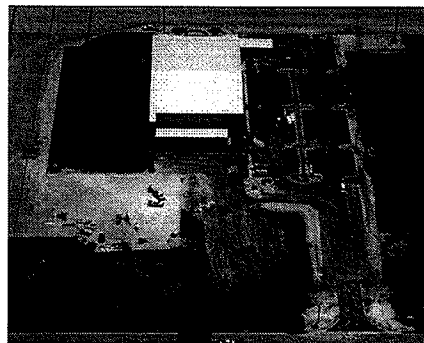
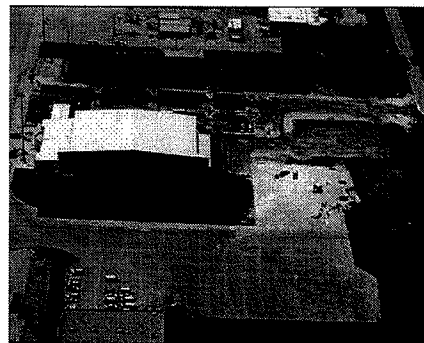
Project Description:

CRJ was responsible for the development of the T-553 Site that encompassed approximately 3.06 acres at the Orlando International Airport. CRJ coordinated with the City of Orlando to obtain a Building Department Permit, as well as the South Florida Water Management District for the Environmental Resource Permit. CRJ also pursued permits for the water and sanitary sewer lines from the Florida Department of Environmental Protection, which included permit efforts with the Orlando Utilities Commission for the water, and the City of Orlando for the sanitary sewer. The following tasks were performed for this development:

- 35,000 SF Hangar with 11,000 SF dedicated to a Passenger Terminal Building
- Driveway Access from Tradeport Drive
- Exfiltration Trench and Stormwater Swales for stormwater runoff
- Potable Water Loop, Fire Suppression System, Fire Hydrants, and Sanitary Sewer Lines
- Fire Suppression Line for the proposed building
- Underground electric and communications connections



T-553 Site at MCO under construction.



Key Individuals:

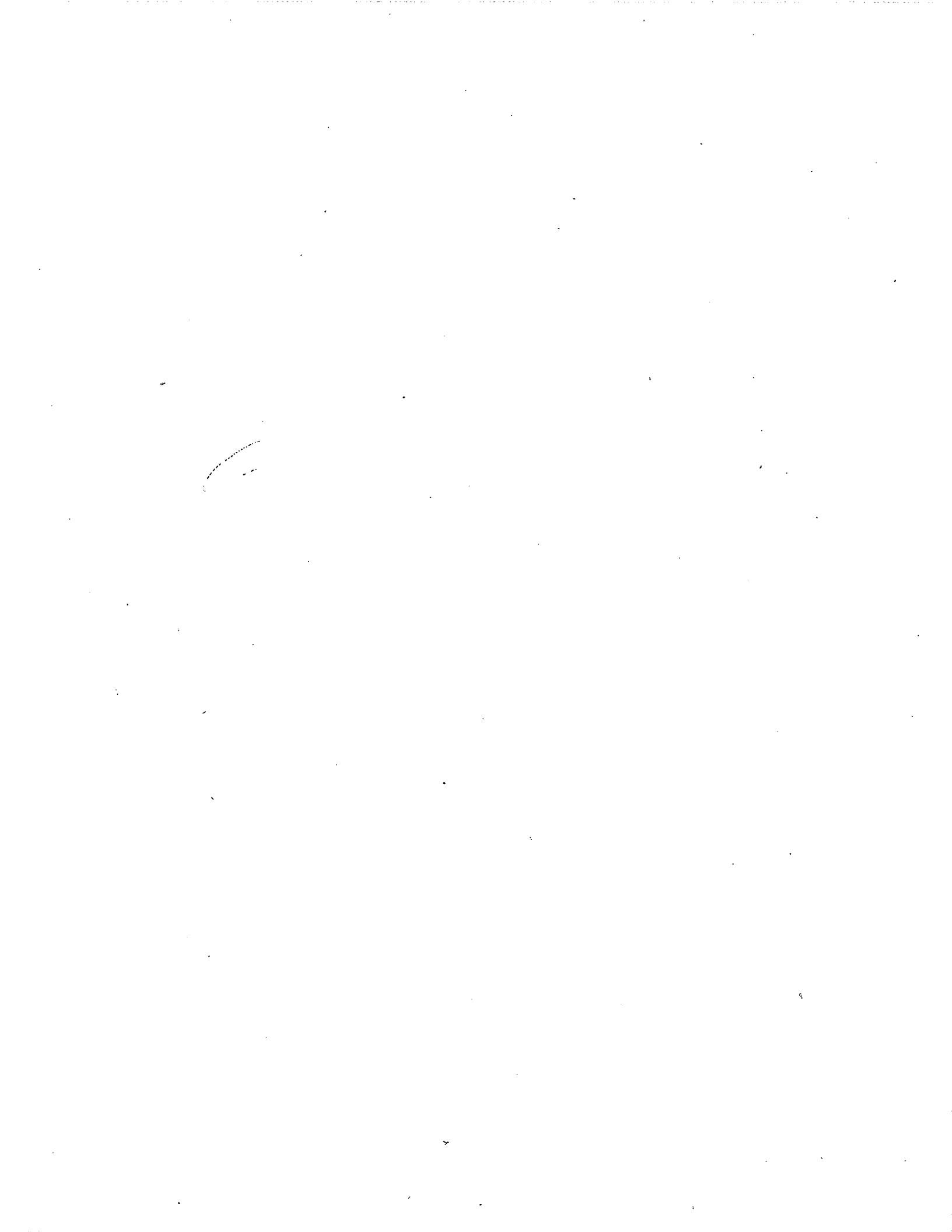
Marc A. Fermanian, P.E.
Carlos E. Ortega, E.I.

Project Manager
Project Engineer



CRJ & Associates, Inc.

Consulting Engineers and Planners



VERIFICATION OF AVAILABILITY

DEPARTMENT OF SMALL BUSINESS DEVELOPMENT
COMMUNITY BUSINESS ENTERPRISE PROGRAM
111 N.W. 1ST STREET, 19TH FLOOR
MIAMI, FLORIDA 33128

PROGRAM COORDINATOR: MR. VIVIAN WALTERS, JR.

I am herewith submitting this letter of verification of availability and capability to propose at such time as this project is advertised. (NOTE: Please provide all the information requested; incomplete and/or incorrect verifications are not acceptable or usable.)

CONTRACT TITLE AND NUMBER: Non-exclusive Professional Services for the Replacement/Rehabilitation of a 72-inch Sanitary Sewage Force Main along NW/NE 159th Street between NW 17th Ave and NE 10th Ave

E12-WASD-02

CONTRACT ESTIMATED AMOUNT: \$500,000.00

Leiter Perez & Associates, INC. Certification Expires: 10-31-2012
NAME OF COMMUNITY BUSINESS ENTERPRISE DATE

520 N.W. 165TH Street, #209, MIAMI, FL 33169
ADDRESS CITY ZIP CODE

Telephone: 305-10525133 Bonding Capacity: N/A

Geoffrey Leiter, President.
PRINT NAME AND TITLE

 4/30/2012
SIGNATURE OF COMPANY REPRESENTATIVE DATE

REVISED 10/11/94

Leiter, Perez & Associates, Inc.

GEORGE PEREZ, P.E.
MARTIN LEITER, P.E.
GEOFFREY LEITER, P.E., P.S.M.

LAND DEVELOPMENT CONSULTANTS
ENVIRONMENTAL AND CIVIL ENGINEERS
LAND PLANNERS AND LAND SURVEYORS

SURVEYS
DESIGN
INSPECTION
PLANNING
STUDIES
ASBESTOS

Non-exclusive Professional Services for the Replacement/Rehabilitation of a
72-inch Sanitary Sewage Force Main along NW/NE 159th Street between 17th
Avenue and NE 10th Avenue

E12-WASD-02

EXAMPLES OF WORK

THESE SAMPLES OF WORK PERFORMED BY LEITER, PEREZ & ASSOCIATES, INC.
COVERS ALL THE REQUIREMENTS FOR THE FOLLOWING TECHNICAL CATEGORIES:

6.01 WATER DISTRIBUTION & SANITARY SEWAGE COLLECTION

10.05 ENVIRONMENTAL ENGINEERING - CONTAMINATION ASSESSMENT &
MONITORING

15.01 LAND SURVEYING

16.00 GENERAL CIVIL ENGINEERING

17.00 ENGINEERING CONSTRUCTION MANAGEMENT

PROJECTS:

1. 54-INCH TUNNEL CROSSING AT THE INTERSECTION OF I-95 & THE CSX RAILROAD for the City of North Miami Beach.
2. 30-INCH WATER MAIN CROSSING AT OLETA STATE PARK, N.W. 163rd STREET for the City of North Miami Beach.
3. 20-INCH WATER MAIN SUBAQUEOUS EVALUATION AT GOLDEN BEACH for the City of North Miami Beach.
4. 18-INCH WATER MAIN EVALUATION AT HAULOVER CUT for the City of North Miami Beach.
5. 24-INCH FORCE MAIN AT S.W. 184TH STREET & S.W. 137TH AVENUE for Miami-Dade Water & Sewer Department

GOLDEN GLADES OFFICE PARK • 520 N.W. 165th STREET ROAD • SUITE 209 • MIAMI, FLORIDA 33169
DADE (305)652-5133 • BROWARD (954)524-2202 • FAX (305)652-0411
EMAIL: office@leiterperez.com • WEBSITE: <http://www.leiterperez.com>

Overall Project Description

At this time, WASD needs to replace/rehabilitate the 3.5 miles of 72-inch force main between Northwest 17th Avenue and Northeast 10th Avenue. In order to do so, WASD requests that the results of the pipeline condition assessment performed by Pure Technologies be reviewed and used as the basis of design (no additional condition assessment will be performed as part of this Work Order) for the rehabilitation/replacement of this portion of the force main; recommendations for the rehabilitation/replacement of force main be submitted; and a design build criteria package contract document for the renewal rehabilitation/replacement of the force main be prepared, procured and awarded.

The selected consultant will develop contract documents to a level sufficient for the procurement and award of a design-build contract for the rehabilitation/replacement of the 72-inch force main. WASD anticipates the following services to be provided: evaluating the rehabilitating/replacement alternatives for the 72-inch force main; identifying permits required and maintenance of traffic issues during the construction; surveying; coordinating with other utilities, governmental agencies and/or municipalities, and other professional consultants; preparation of design reports, contract documents, design drawings, specifications; cost estimates and project schedules; provide assistance as needed during contract procurement and construction phases of the project.

***Minimum Requirements**

- **Prime must be certified in both 6.01 and 17.00.**

The **Prime** consultant selected must have **all** of the experience listed below:

- Design and post design services of a minimum of three (3) pipeline projects, including pressurized pipeline design, within the last five (5) years.

Do you have prior experience satisfying the above stated? Yes No

- Design and post design services of at least one (1) project with a 48-inch diameter pressurized main within the last five (5) years.

Do you have prior experience satisfying the above stated? Yes No

- Prior experience in trenchless design and rehabilitation of large diameter pipes within the last five (5) years.

Do you have prior experience satisfying the above stated? Yes No

CBE firms are required to provide the project names, dollar values, and contact names of the projects worked on (satisfying the above stated requirements).

***This information is REQUIRED along with the signed Verification Form**

VERIFICATION OF AVAILABILITY

DEPARTMENT OF SMALL BUSINESS DEVELOPMENT
COMMUNITY BUSINESS ENTERPRISE PROGRAM
111 N.W. 1ST STREET, 19TH FLOOR
MIAMI, FLORIDA 33128

PROGRAM COORDINATOR: MR. VIVIAN WALTERS, JR.

I am herewith submitting this letter of verification of availability and capability to propose at such time as this project is advertised. (NOTE: Please provide all the information requested; incomplete and/or incorrect verifications are not acceptable or usable.)

CONTRACT TITLE AND NUMBER: Non-exclusive Professional Services for the Replacement/Rehabilitation of a 72-inch Sanitary Sewage Force Main along NW/NE 159th Street between NW 17th Ave and NE 10th Ave

E12-WASD-02

CONTRACT ESTIMATED AMOUNT: - \$500,000.00

PREMIERE DESIGN SOLUTIONS
NAME OF COMMUNITY BUSINESS ENTERPRISE

Certification Expires: 01/31/15
DATE

2800 GLADES CIRCLE, SUITE 106, WESTON, FL 33327
ADDRESS CITY ZIP CODE

Telephone: 305 962 9036

Bonding Capacity: N/A

GUSTAVO ECKARDT / DIRECTOR OF ENGINEERING
PRINT NAME AND TITLE

[Signature]
SIGNATURE OF COMPANY REPRESENTATIVE

5/1/12
DATE

REVISED 10/11/94

Overall Project Description

At this time, WASD needs to replace/rehabilitate the 3.5 miles of 72-inch force main between Northwest 17th Avenue and Northeast 10th Avenue. In order to do so, WASD requests that the results of the pipeline condition assessment performed by Pure Technologies be reviewed and used as the basis of design (no additional condition assessment will be performed as part of this Work Order) for the rehabilitation/replacement of this portion of the force main; recommendations for the rehabilitation/replacement of force main be submitted; and a design build criteria package contract document for the renewal rehabilitation/replacement of the force main be prepared, procured and awarded.

The selected consultant will develop contract documents to a level sufficient for the procurement and award of a design-build contract for the rehabilitation/replacement of the 72-inch force main. WASD anticipates the following services to be provided: evaluating the rehabilitating/replacement alternatives for the 72-inch force main; identifying permits required and maintenance of traffic issues during the construction; surveying; coordinating with other utilities, governmental agencies and/or municipalities, and other professional consultants; preparation of design reports, contract documents, design drawings, specifications; cost estimates and project schedules; provide assistance as needed during contract procurement and construction phases of the project.

*Minimum Requirements

- Prime must be certified in both 6.01 and 17.00.

The **Prime** consultant selected must have all of the experience listed below:

- Design and post design services of a minimum of three (3) pipeline projects, including pressurized pipeline design, within the last five (5) years.

Do you have prior experience satisfying the above stated? Yes No

- Design and post design services of at least one (1) project with a 48-inch diameter pressurized main within the last five (5) years.

Do you have prior experience satisfying the above stated? Yes No

- Prior experience in trenchless design and rehabilitation of large diameter pipes within the last five (5) years.

Do you have prior experience satisfying the above stated? Yes No

CBE firms are required to provide the project names, dollar values, and contact names of the projects worked on (satisfying the above stated requirements).

***This information is REQUIRED along with the signed Verification Form**



East Miramar Redevelopment Transmission & Distribution Water Main Improvements - Miramar, Florida - \$ 9,000,000 Construction Cost – Design Started in 2009 and Construction in 2011.

Contact Person: Tony Rabbat
Project Manager
City of Miramar

Mr. Eckardt was the Engineer of Record for the design of approximately 72,000 L.F. of 6-inch water main and services for the City of Miramar, including a directionally drilled 8-inch Ductile Iron Pipe section of 120 L.F. The functionality of the design is for improved fire protection throughout the neighborhoods, which currently has 2-inch and 4-inch water mains. Mr. Eckardt was also tasked with locating required fire hydrants to be connected to existing 6-inch and greater water mains. The final product will provide residents with essential fire protection, and it will also increase the water flow and provide better water pressure to the residents. The project is bound by: Pembroke Rd. to the Florida Turnpike and from University Drive to SW 68th Avenue and has a construction estimate of \$9,000,000. Mr. Eckardt was vigilant in meeting with the client to discuss the progress throughout every phase of the project thus ensuring that the client's expectations are met, and reaching to a completion of the design ahead of the anticipated finish for this fast paced project.

Hialeah-Preston GWUDI Upgrades Water Treatment Facility and NW Wellfields, Miami, Florida

\$13,000,000 Design Fees – Design Started in 2010 and Construction Date is Unknown

Contact Person: Ralph Terrero
Project Manager
Miami-Dade Water And Sewer Department

Mr. Eckardt is the Project Manager for the preparation of the conceptual and preliminary design identifying the scope and extent of the improvements necessary to fully segregate the NWWF flows from the flows of the other MDWASD raw water sources that are conveyed to the existing Hialeah and Preston Water Treatment Plants. Additionally, Mr. Eckardt participated in preliminary evaluations of possible alternatives to convey the processed water from the NWWF facilities to the existing Preston WTP Reservoirs and preliminary assessment of the Hialeah-Preston Reservoirs piping interconnection and water blending scheme for distribution. Project included the design of modifications to existing Concrete 96" Raw Water Main, and the design of a new section of 96" Reinforced Concrete Pipe in the vicinity of the Hialeah WTP. Also included were modification to the existing 60" and 72" Raw Water mains to interconnect the Hialeah and the Preston Water Treatment Plant.

Marlins Ballpark Parking Garages, Stormwater, Water and Wastewater Improvements Construction Management, Miami-Dade County, Florida - \$ 515,000,000 – Construction Management from 2009 to 2010.

Contact Person: Steve Baumal
Project Manager
URS – Prime Construction Management Firm

PDS Staff participated in this project during the construction of the Parking Garages, with the responsibility of the construction oversight, and daily reporting of all underground utilities including stormwater piping installation from 15" to 48" RCP, and water and wastewater piping ranging from 6" to 42" force mains. PDS Staff was also tasked to perform on-site field observations to oversee construction operations related to underground utilities of the public infrastructure, verify contractor's compliance with the contract documents and applicable standards and regulations, review of change order requests, review construction documents and As-Built drawings.



Project Manager, 8-Inch Water Main Extension for the Miami-Dade Water and Sewer Department (M-DWASD), Miami-Dade County, Florida - \$10,000,000 Construction costs Combined – Design Started in 2008 and continued through 2010 and construction started in 2011

**Contact Person: Reynaldo Abreu
Project Manager
Miami-Dade Water And Sewer Department**

Mr. Eckardt was responsible for the design of over 10,000LF of 8-inch Ductile Iron Pipe (DIP) of water distribution pipeline throughout Miami-Dade County as part of their Needs Assessment Program. Mr. Eckardt was in charge of this project from conception to final design submittal. Responsibilities included meetings with client, utility coordination, future project coordination, bid document and specifications preparation, design and construction scheduling updates, preparation of engineering cost estimates, design and plans preparation, quality control and coordination with all the stakeholders.

Project Engineer, 12-Inch Force Main Replacement Along Caribbean Boulevard, Miami-Dade Water and Sewer Department (M-DWASD), Miami, Florida - \$3,000,000 Construction costs – Design Started in 2007 and construction is unknown

**Contact Person: Alex Retamar
Project Manager
Miami-Dade Water And Sewer Department**

Mr. Eckardt was responsible for the design and required coordination of this project which included the construction of approximately 3,500 LF OF 12" DIP force main to replace the existing 10" and 12" asbestos cement pipe for M-DWASD. Mr. Eckardt was also involved in the design of the sub-aqueous canal crossing under C-1N Canal using Ball and Socket DIP, coordination and design for connections to the existing Pump Stations and force mains and the preparation of Bid Documents and Specifications.

Project Engineer, City of Miami Undersized Water Main Replacement, Miami-Dade Water and Sewer Department (M-DWASD), Miami, Florida

\$2,000,000 Construction costs – Design Started in 2008 and construction is unknown

**Contact Person: Alex Retamar
Project Manager
Miami-Dade Water And Sewer Department**

Mr. Eckardt was project engineer for the design of approximately 2,800LF of 8-inch DIP water main segments and fire hydrants in the area of Coconut Grove, in the City of Miami, to replace undersized and aged water mains and interconnect water mains through a residential neighborhood. The project provided improved water service and fire protection to the area. Project included full pavement overlay, ADA compliant ramps, future water main connections, and the preparation of bid documents, specifications and maintenance of traffic plans



April 26, 2011

To: 1st Tier CBE Engineering Firms

Re: Non-exclusive Professional Services for the Replacement/Rehabilitation of a 72-inch Sanitary Sewage Force Main along NW/NE 159th Street between NW 17th Ave and NE 10th Ave

Project No.: E12-WASD-02

The above-referenced project is being considered for competition solely among Community Business Enterprise (CBE) firms. If you are interested in participating as a 1st CBE Prime Consultant to perform work in connection with this project, **please complete and return the attached Verification of Availability form and provide examples of work your firm has completed (required) on similar projects as outlined in the attached project description, by 12:00pm, Tuesday May 1st, 2012.**

Please review the attached project description and requirements. These specifications are being reviewed and are subject to change.

The Verification of Availability form and required examples of previous work may be sent via facsimile transmission (305) 375-3160 or email to walterv@miamidade.gov. If you have any questions, please contact me at (305) 375-3138.

Sincerely,

A handwritten signature in black ink, appearing to read "Vivian O. Walters, Jr." with a stylized flourish at the end.

Vivian O. Walters, Jr.,
Contract Development Specialist 2
Sustainability, Planning & Economic Enhancement Dept. (SPEED)
Small Business Development Division

Attachments

VERIFICATION OF AVAILABILITY

DEPARTMENT OF SMALL BUSINESS DEVELOPMENT
COMMUNITY BUSINESS ENTERPRISE PROGRAM
111 N.W. 1ST STREET, 19TH FLOOR
MIAMI, FLORIDA 33128

PROGRAM COORDINATOR: MR. VIVIAN WALTERS, JR.

I am herewith submitting this letter of verification of availability and capability to propose at such time as this project is advertised. (NOTE: Please provide all the information requested; incomplete and/or incorrect verifications are not acceptable or usable.)

CONTRACT TITLE AND NUMBER: Non-exclusive Professional Services for the Replacement/Rehabilitation of a 72-inch Sanitary Sewage Force Main along NW/NE 159th Street between NW 17th Ave and NE 10th Ave

E12-WASD-02

CONTRACT ESTIMATED AMOUNT: \$500,000.00

Robayna and Associates, Inc. Certification Expires: 04/30/2015
NAME OF COMMUNITY BUSINESS ENTERPRISE DATE

5723 NW 158th Street. Miami Lakes 33014
ADDRESS CITY ZIP CODE

Telephone: 305-823-9316 Bonding Capacity: N/A

Rafael L. Robayna President / CEO
PRINT NAME AND TITLE


SIGNATURE OF COMPANY REPRESENTATIVE 04/27/12
DATE

REVISED 10/11/94

DESCRIPTION OF PROJECT

Project Title: Non-exclusive Professional Services for the Replacement/Rehabilitation of a 72-inch Sanitary Sewage Force Main along NW/NE 159th Street between NW 17th Ave and NE 10th Ave

Project Number: E12-WASD-02

Department: Water & Sewer

Estimated Cost: \$500,000.00

Technical Categories:

TC No.	Description	Percentage	Amount
6.01	Water Distribution & Sanitary Sewage (Prime)	65	\$325,000
17.00	Engineering Construction Management (Prime)	5%	\$25,000
10.05	Environmental Engineering – Contamination Assessment & Monitoring	5%	\$25,000
11.00	General Structural Engineering	5%	\$25,000
15.01	Land Surveying	10%	\$50,000
16.00	General Civil Engineering	10%	\$50,000
Total Estimated Consultant Fees		100%	\$500,000.00

Overall Project Description

At this time, WASD needs to replace/rehabilitate the 3.5 miles of 72-inch force main between Northwest 17th Avenue and Northeast 10th Avenue. In order to do so, WASD requests that the results of the pipeline condition assessment performed by Pure Technologies be reviewed and used as the basis of design (no additional condition assessment will be performed as part of this Work Order) for the rehabilitation/replacement of this portion of the force main; recommendations for the rehabilitation/replacement of force main be submitted; and a design build criteria package contract document for the renewal rehabilitation/replacement of the force main be prepared, procured and awarded.

The selected consultant will develop contract documents to a level sufficient for the procurement and award of a design-build contract for the rehabilitation/replacement of the 72-inch force main. WASD anticipates the following services to be provided: evaluating the rehabilitating/replacement alternatives for the 72-inch force main; identifying permits required and maintenance of traffic issues during the construction; surveying; coordinating with other utilities, governmental agencies and/or municipalities, and other professional consultants; preparation of design reports, contract documents, design drawings, specifications; cost estimates and project schedules; provide assistance as needed during contract procurement and construction phases of the project.

***Minimum Requirements**

- **Prime must be certified in both 6.01 and 17.00.**

The **Prime** consultant selected must have **all** of the experience listed below:

- Design and post design services of a minimum of three (3) pipeline projects, including pressurized pipeline design, within the last five (5) years.

Do you have prior experience satisfying the above stated? Yes No

- Design and post design services of at least one (1) project with a 48-inch diameter pressurized main within the last five (5) years.

Do you have prior experience satisfying the above stated? Yes No

- Prior experience in trenchless design and rehabilitation of large diameter pipes within the last five (5) years.

Do you have prior experience satisfying the above stated? Yes No

CBE firms are required to provide the project names, dollar values, and contact names of the projects worked on (satisfying the above stated requirements).

***This information is REQUIRED along with the signed Verification Form**

GENERAL OVERVIEW OF SERVICES

The Mayor of Miami-Dade County, pursuant to Section 287.055, Florida Statutes, Sections 2-8.1 and 2.10.4 of the Miami-Dade County Code and Administrative Order 3-39, announces that the Miami-Dade Water and Sewer Department (WASD) will require a design criteria professional to prepare a design criteria package for the rehabilitation/replacement of a 72-inch sanitary sewer force main. This project requires highly specialized engineering expertise and other technical services including but not limited to, development of design criteria package, compliance review of contract documents, post design services during construction, and project coordination services on an as-needed basis for the duration of the project. The selected consultant will be responsible for completing a Pipeline Rehabilitation/Replacement Report, recommend a pipeline rehabilitation method(s), prepare the Design-Build Criteria Package for the selected alternative, assist the County during the Design/Build Contractor selection process, and provide compliance reviews and support services during the design and construction phases of the replacement/rehabilitation of the 72-inch force main along Northwest/Northeast 159th Street between Northwest 17th Avenue and Northeast 10th Avenue.

The 72-inch force main Interceptor Number-9 is approximately 5 miles long and conveys wastewater along Northwest/Northeast 159th Street to the North District Wastewater Treatment Plant. The material for this segment of the 72-inch force main is Prestressed Concrete Cylinder Pipe or Embedded Cylinder Pipe which was installed in the late 1970's.

On June 18th, 2010, a portion of the 72-inch Prestressed Concrete Cylinder Pipe force main experienced a catastrophic failure just west of Northwest 17th Avenue. The corresponding failed pipe, along with an adjacent pipe segment, were removed and replaced at that time.

A forensic analysis of the failed and adjacent pipes prepared by Lewis Engineering and Consulting, Inc. suggested the primary mode of failure to be loss of structural integrity resulting from corrosion-induced hydrogen embrittlement of the Class IV prestressing steel wires. It was further suggested that the pipe section may have had pre-existing wire break damage and that a pressure transient, or surge event, could have increased the pressure inside the 72-inch force main, causing the failure. Due to concerns over the condition of the pipeline, and the risk associated with an additional failure, WASD contracted Pure Technologies in November, 2010 to conduct an internal inspection and a condition assessment of the 72-inch force main's prestressed wires.

Pipeline inspection, engineering analysis, and condition assessment of the 72-inch force main were conducted between January and February 2011.

Based on the results of these inspections, approximately 1.5 miles of the force main between Northwest 32 Avenue and Northwest 17 Avenue were rehabilitated by slip lining the existing 72-inch force main with high density polyethylene pipe.



MIAMI-DADE COUNTY

TECHNICAL CERTIFICATION CATEGORY FORM 2

(PLEASE DO NOT ALTER)

CATEGORY/SUB-CATEGORY NUMBER & TITLE: 6.01 Water Distribution & Sanitary Sewage Collection & Transmission Systems

Instructions: Provide a minimum of three (3) to a maximum of six (6) project references per category. All projects must be completed within the last ten (10) years of application date. Each technical duties description should be at least 3-4 sentences in length indicating enough detail regarding the services performed. As you enter information in the spaces below the form will automatically create additional pages. The information shall be type in Arial font 10 or higher.

Name of Employee and FL License No. (Qualifying Agent (s))	Name/Location of Project Start & Completion dates (year - year)	Description of Project	Technical Duties Performed
Rafael L. Robayna P.E. 19453 Ariadna Risher	Project 1: Jannette Villas at Doral NW 90 St. and NW 112 Ave. Miami, FL 2003 to 2007	Water Distribution, Sewer Gravity, Const. Management	Land Surveying, Engineering Design, Const. Management. Water Distribution, Sewer Gravity, Const. Management
Rafael L. Robayna P.E. 19453 Ariadna Risher	Project 2: Coral Palm SW 152 Ave. and NW 34 Street 1999/2001	Water Distribution, Sewer Gravity, Force Main, Lift Station	Surveying, Engineering, Design Water Distribution, Sewer Gravity, Force Main, Lift Station
Rafael L. Robayna P.E. 19453 Ariadna Risher	Project 3: Ibis Villas at Doral 90th St. and NW 112 Ave. 2002/2006	Water Distribution, Sewer Gravity, Force Main, Lift Station	Surveying, Engineering design, Construction Administration, Water Distribution, Sewer Gravity, Force Main, Lift Station
Rafael L. Robayna P.E. 19453 Ariadna Risher Angel Cortada P.E. 55364	Project 4: WASD-UVMNR-77D Area between Flagler St. & NW 7 St. and NW 59 Ct. & NW 57 Ave. Miami, Florida 2003/2007	Water Line Improvements, replacing exiting substandard pipes and missing segments with 8" lines. Land Surveying, Engineering design, limited Const. Management	Land Surveying, Engineering design, Const. Management. Water Line Improvements, replacing exiting substandard pipes and missing segments with 8" lines. Limited Const. Management
Rafael L. Robayna P.E. 19453 Ariadna Risher Angel Cortada P.E. 55364	Project 5: WASD- 801-803 Area of SW 87 Ave. to SW 89 Ave. & SW 128 St. to SW 126 ST. Miami, FL. 2005/2007	Water Line Improvements, replacing exiting substandard pipes and missing segments with 8" lines. Land Surveying, Engineering Design, Limited Const. Management	Land Surveying, Engineering Design, Const. Management. Water Line Improvements, replacing exiting substandard pipes and missing segments with 8" lines. Limited Const. Management
Rafael L. Robayna P.E. 19453 Ariadna Risher Oscar Robayna, EI	Project 6: Installation of 12" watermains. Area of NW 41St to 52St & NW 36Ave to NW 35Ave.	Survey, route survey and design of 12" watermains to replace existing water lines, interconnect systems.	Survey and route survey. Civil engineering design & construction management. Design of watermain and water line improvement.

Jose M. Rives
PLS 6685

Miami Dade County
2008 to present

Professional Statement (if applicable):

I hereby certify that to the best of my knowledge the information contained in these forms is true and correct.

CERTIFYING AGENT SIGNATURE (SEAL) *
*State of Florida professional registration seal of signator

STATE OF FLORIDA
DEPARTMENT OF REVENUE
REGISTRATION DIVISION
1900 N. W. 10TH AVENUE
MIAMI, FL 33136

Rafael L. Robayna President/CEO
PRINT NAME/TITLE

3/30/2009
DATE



**MIAMI-DADE COUNTY
TECHNICAL CERTIFICATION CATEGORY FORM 2**
(PLEASE DO NOT ALTER)

CATEGORY/SUB-CATEGORY NUMBER & TITLE: 17.00 Engineering Construction Management

Instructions: Provide a minimum of three (3) to a maximum of six (6) project references per category. All projects must be **completed** within the last ten (10) years of application date. Each technical duties description should be at least 3-4 sentences in length indicating enough detail regarding the services performed. As you enter information in the spaces below the form will automatically create additional pages. The information shall be type in Arial font 10 or higher.

Name of Employee and FL License No. (Qualifying Agent (s))	Name/Location of Project Start & Completion dates (year - year)	Description of Project	Technical Duties Performed
Rafael L. Robayna P.E 19453 Ariadna Risher	Project 1: South Moton Street Improvement Project Area between Homestead Ave. SW 82 St. to SW 84 ST. 2000 to 2003	Street improvement Project. Relocations, signage and pavement marking and miscellaneous. Also included in this project was the coordination with Miami-Dade WASD and with FP&L in their relocation of conflicting elements.	Surveying and engineering design. Construction Management, relocations, signage and pavement marking and miscellaneous. Also included in this project the coordination with Miami-Dade WASD and with FP&L in their relocation of conflicting elements.
Rafael L. Robayna P.E 19453 Ariadna Risher Oscar Robayna, EI	Project 2: San Miguel Shopping Plaza SW 82 St & SW 139 Ave Miami, Fl 2003/2007	This project consists of a shopping center with a separate building for a bank. Required design and construction of on-site and off-site water transmission and fire lines, sewer collection systems, wetland permitting, parking lot design, paving and drainage systems.	Site development design, general civil engineering. Complete design of water & sewer line extensions, environmental assessment. Parking lot design, paving, drainage, stormwater management, sidewalks, building structural, and construction administration. Construction layout and as-built, record drawings certifications. DOT frontage entrance and swale design, structural design, coordination of building design, environmental assessment, site planning.
Rafael L. Robayna P.E 194453	Project 3: Glenwood St. Improvement Phase 1 & 2 Area between NW 50 St. NW 27 Ave. to NW 32 Ave. Miami 1996/2000	Street improvement project. Drainage improvement, concrete curbing, street lighting, signage pavements marking and miscellaneous. Coordination of bidding process. Construction administration inspections, approve shop drawings review of pay requisition & final certifications	Surveying and engineering design, construction management. Drainage improvement, concrete curbing, street lighting, signage pavements marking and miscellaneous. Coordination of Bidding process. Construction administration inspections, approve shop drawings review of pay requisition & final certifications.

Rafael L. Robayna
P.E. 19453

Project 4:
FEMA DORM Drainage
Cleaning and Drainage Const.
Miami
2001/2005

Provided personnel to DERM for the inspection of the drainage cleaning program which was conclude at the beginning of 2004 and for the drainage construction program which is ongoing.

Field Inspections Project administration, program and cost accounting.

Rafael L. Robayna
P.E. 19453

Project 5:
Canal cleaning & restoration
FEMA DORM
Miami
2003/2006

Construction administration & field inspections for canal cleaning & restoration. We also did land surveying & engineering design for this project.

Surveying, engineering design, construction management. Construction administration & field inspections for canal cleaning & restoration. We also did land surveying & engineering design for this project.

Rafael L. Robayna
P.E. 19453

Project 6:
Ibis Villas at Doral
NW 90 St & 112 Ave.
Miami Dade
2002-2007

General civil engineering, land surveying, platting, wetland determination. Paving and drainage, pavement marking signing. Water and sewer, lift station and force main.

General civil engineering desing, land surveying and platting. Wetland determination, paving and drainage, lavement marking signing. water and sewer, lift station and force main, etc.

Professional Statement (if applicable):

I hereby certify that to the best of my knowledge the information contained in these forms is true and correct.

CERTIFYING AGENT SIGNATURE (SEAL)*
*State of Florida professional registration seal of signator

Rafael L. Robayna President/CEO
PRINT NAME/TITLE

3/30/2009
DATE



MIAMI-DADE COUNTY TECHNICAL CERTIFICATION CATEGORY FORM 2

(PLEASE DO NOT ALTER)

CATEGORY/SUB-CATEGORY NUMBER & TITLE: 10.05- Contamination Assessment and Monitoring

Instructions: Provide a minimum of three (3) to a maximum of six (6) project references per category. All projects must be **completed** within the last ten (10) years of application date. Each technical duties description should be at least 3-4 sentences in length indicating enough detail regarding the services performed. As you enter information in the spaces below the form will automatically create additional pages. The information shall be type in Arial font 10 or higher.

Name of Employee and FL License No. (Qualifying Agent (s))	Name/location of Project Start & Completion dates (year - year)	Description of Project	Technical Duties Performed
Rafael L. Robayna P.E. 19453 Antonio Mazpule P.E. 23368	<u>Project 1:</u> Gate Gourmet, Miami 1996 On-going	Industrial Waste Monitoring. Review plans and prepare and submit appropriate applications to acquire and Industrial Pretreatment Facilities Permit form Miami Dade County DERM. The facility to be permitted is a catering kitchen for airlines. Public water system supplying water for project.	Onsite investigation. Coordination with DERM, preparation of reports. Drainage re-design with grease separator. Inspection of removal and clean up process, coordination of wells and testing inspection and monitoring of operation.
Rafael L. Robayna P.E. 19453 Antonio Mazpule P.E. 23368	<u>Project 2:</u> W. Little River Phase IV 2000/2000	Environmental Study & Phase I Assessment Report	Site investigation and research. Prepare Phase I Environmental Assessment Report, Engineering Design. Prepare plans for Street Improvement Project. Maintenance of traffic.
Rafael L. Robayna P.E. 19453 Antonio Mazpule P.E. 23368	<u>Project 3:</u> Model City SW for Project 2000/2000	Environmental Study & Phase I Assessment Report	Site investigation and research. Prepare Phase I Environmental Assessment Report,
Rafael L. Robayna P.E. 19453 Antonio Mazpule P.E. 23368	<u>Project 4:</u> Goulds Grading & Resurfacing Project 2000/2000	Environmental Study and Phase 1 Assessment Report	Site investigation and research. Prepare Phase I Environmental Assessment Report,
Rafael L. Robayna P.E. 19453 Antonio Mazpule P.E. 23368 Angel Cortada P.E. 55364	<u>Project 5:</u> Modern Concrete 2007-2007	Environmental Study for concrete batch plant, Facility Planning, Florida DEP Permitting, Storm Water Management and Drainage Design and plans preparation.	Surveying and site investigation. Environmental Assessment of existing conditions, meetings with FDEP to discuss violations. Planning and site remediation Plan. Prepare water recycling treatment process plans. Prepare Storm Water Management Calculations. Permitting, Inspection of Implementation.

Rafael L. Robayna
P.E. 19453
Antonio Mazpule
P.E. 23368

Project 6:
Carrie Equipment Concrete
Plant
NW 58 ST. and NW 122 Ave
Miami
2008

Environmental study for concrete batch plant facility. Planning, Florida DEP Permitting, Stormwater management Drainage design and plans preparation.

Surveying and engineering services. Parcel survey and verification of existing survey data. Preparation of water management calculations including type I and II for FL DEP. Exfiltration test for drainage design. Paving, grading and drainage plans. Generic permit applications and processing

Professional Statement (if applicable):

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MIAMI-DADE COUNTY
TECHNICAL CERTIFICATION CATEGORY FORM 2
(PLEASE DO NOT ALTER)

CATEGORY/SUB-CATEGORY NUMBER & TITLE: 11.00 General Structure Engineering

Instructions: Provide a minimum of three (3) to a maximum of six (6) project references per category. All projects must be completed within the last ten (10) years of application date. Each technical duties description should be at least 3-4 sentences in length indicating enough detail regarding the services performed. As you enter information in the spaces below the form will automatically create additional pages. The information shall be type in Arial font 10 or higher.

Name of Employee and FL License No. (Qualifying Agent (s))	Name/Location of Project Start & Completion dates (Year - Year)	Description of Project	Technical Duties Performed
Rafael L. Robayna P.E. 19453 Orlando M. Fortun P.E. 22249	Project 1: V.P. Warehouses NW 110 Ave & NW 21st St. Dade County 1998-2004	Warehouse Project Concrete Structure Building	Surveying, Eng. Design Site Planning, Construction Inspection, Warehouse Project Concrete Structure Building
Rafael L. Robayna P.E. 19453 Orlando M. Fortun P.E. 22249	Project 2: San Miguel Shopping Center 2003/2005	70,000 SF 2 Story Concrete Bldg. Steel Roof	Surveying, Engr. Const. Adm. 70,000 SF. 2 story Concrete Bldg. Steel roof. Structural Design
Rafael L. Robayna P.E. 19453 Orlando M. Fortun P.E. 22249	Project 3: Truck Wash-Animal Building Structure 1998/2001	Truck wash Building Structure	Surveying, Engineering Design. Truck wash Building Structure
Rafael L. Robayna P.E. 19453	Project 4: Ibis Subdivision 2002-2006	Structural Design of Lift Station Structures.	Design of Lift Station Structures
Orlando M. Fortun P.E. 22249	Project 5: Tradegate Park NW 112 Ave, and 27 St. Dade County 1995/1999	Warehouse project, concrete structure of 70,000 SF. building. Warehouse Project, concrete structure of 46,000 SF.	Surveying, Eng. Design, Site Planning, Construction Inspection, Warehouse Project, concrete structure of 70,000 s.f. building.
Rafael L. Robayna PE 19453 Ariadna Risher Oscar Robayna EI	Project 6: Venetian Causeway Streetscape Project 2007-Under design	2-3 lane undivided Hwy. Surveying, drainage, stormwater management, structure for signs and outfalls including seawalls modifications.	Surveying, engineering design, stormwater management & drainage. Pavement marking and signing, structures (outfall/seawalls), maintenance of traffic. New road alignment with a curb and gutter, bicycle path and pedestrian sidewalks, Stormwater drainage

Improvements, Special Purpose Survey for the proposed outfalls to the bay.

Professional Statement (if applicable):

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MIAMI-DADE COUNTY
TECHNICAL CERTIFICATION CATEGORY FORM 2
(PLEASE DO NOT ALTER)

CATEGORY/SUB-CATEGORY NUMBER & TITLE: 15.01 Land Surveying

Instructions: Provide a minimum of three (3) to a maximum of six (6) project references per category. All projects must be completed within the last ten (10) years of application date. Each technical duties description should be at least 3-4 sentences in length indicating enough detail regarding the services performed. As you enter information in the spaces below the form will automatically create additional pages. The information shall be type in Arial font 10 or higher.

Name of Employee and FL License No. (Qualifying Agent (s))	Name/Location of Project Start & Completion dates (Year - Year)	Description of Project	Technical Duties Performed
Rafael L. Robayna P.E. 19453	Project 1: SW 127 Ave. from SW 88 St to Kendall Dr. 2004/2005	Topography and Roadway Survey	Surveying Topography and Roadway Survey
Rafael L. Robayna P.E. 19453	Project 2: Titan Cement Plant Block & Shop Facility 1998/2007	Boundary and topographic survey, planning, design and permitting of this project. Earthwork, hydrologic surveys and construction layout, etc.	Boundary topography survey and Civil engineering. Earthwork, surveying, planning. Civil engineering design for paving, drainage, stormwater management, pavement and marking. Permitting thru agencies and construction administration. Inspection and certification for all earthwork and civil engineering construction.
Rafael L. Robayna P.E. 19453	Project 3: SW 62 Ave. from 70St. to 64St Miami 2005/2006	Topography and Roadway Survey	Surveying Topography and Roadway Survey
Rafael L. Robayna P.E. 19453	Project 4: SW 62 Ave. from SW 24th St to NW 7 St. Miami 2005/2006	The project consisted of 2 miles of road improvement design services. Identify environmental issues and any permitting requirements as needed from the different agencies, for widening and traffic operational improvements for the bridge and roadways within the existing right-of-way.	The services include surveying, aerial photogrammetry, and design plans for roadway widening. Drainage, sidewalks, bicycle path, lighting, signalization, pavement markings and signing. Route survey of R-O-W, pavement and marking. Maintenance of traffic design.
Rafael L. Robayna P.E. 19453 Jose M. Rives L.S 6685	Project 5: DERM Cill Basin Model Area Survey. South Dade County	This project consisting on the preparation of a Master Basin Model to determine flow parameters and hydrologic analysis.	Collection of data utilizing GPS & conventional surveying methods. Canal cross-sections, topographic survey and as-builts of canal control structures, culverts, floodgates and

Luis A. Gaztambide

2008

Rafael L. Robayna
P. E. 19453
Jose M. Rives
L. S. 6685
Luis A. Gaztambide

Project 6:
Park Trail Improvements
Black Creek Trail from L & P
Thompson Park to Black Creel
Park
Miami dade County
2008-09

The project consists of performing a route survey mostly along the Black Creek Canal right of way for the purposes of construction a bikeway and multiple recreational use path. Survey consisted of tying the baseline to established control by MDC and SFWMID using GPS technology.

other related improvements and existing features. Preparation of survey sketch. Static GPS horizontal control network, GPS control points, set manual control points, cross-sections and structures, water sounding survey.
Right of way research, GPS location, topographic survey. Elevation survey crosssections. Route, topographic and elevation survey, including setting a baseline and all surveying required for the engineering design for approximately 9.2 miles of bicycle path. Our services also include future construction administration.

Professional Statement (if applicable):

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Rafael L. Robayna President/CEO
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MIAMI-DADE COUNTY
TECHNICAL CERTIFICATION CATEGORY FORM 2
(PLEASE DO NOT ALTER)

CATEGORY/SUB-CATEGORY NUMBER & TITLE: 16.00 Civil Engineering

Instructions: Provide a minimum of three (3) to a maximum of six (6) project references per category. All projects must be completed within the last ten (10) years of application date. Each technical duties description should be at least 3-4 sentences in length indicating enough detail regarding the services performed. As you enter information in the spaces below the form will automatically create additional pages. The information shall be type in Arial font 10 or higher.

Name of Employee and FL License No. (Qualifying Agent (s))	Name/Location of Project Start & Completion dates (year - year)	Description of Project	Technical Duties Performed
Rafael L. Robayna P.E. 19453 Ariadna Risher	Project 1: Santa Barbara Subdivision Phases I & II 2003 to 2004	Project consisted of the surveying, platting and development of a project consisting of a 194 residential units, which was platted and developed in two phases, Santa Barbara and Santa Barbara First Addition.	Surveying, engineering design, construction management, Paving, grading & drainage plans. Water & sewer plans including modification of existing WASD pump station, lake shore design. Environmental wetland permitting and certification, also construction administration. Inspection and Certification for all Earthwork and Civil Engineering Construction. Stormwater management.
Rafael L. Robayna P.E. 19453 Ariadna Risher	Project 2: Mayfair Lofts 3339 Virginia St. 2004 to 2007	This project consist of a 0.90 Ac. 102 residential/commercial 5 story condominium building. The project required design of all utilities and paving grading and drainage, pavement and marking for on-site and off-site land development improvement.	Specific boundary and topographic surveying, site development design, engineering design, construction management. Paving & drainage plans, water & sewer plans, parking lot design. Stormwater management. Permitting thru pertinent agencies.
Rafael L. Robayna P.E. 19453 Ariadna Risher Angel Cortada P.E. 55364	Project 3: Poinciana Biopharmaceutical Park 2005 to 2007	Paving & Drainage Plans, Water & Sewer Plans, Stormwater Management, Permitting, Miscellaneous Engineering.	Surveying, engineering design, construction management. Planning & environmental, paving & drainage plans. Water & sewer plans stormwater management. Permitting thru agencies. Miscellaneous engineering.
Rafael L. Robayna P.E. 19453 Ariadna Risher	Project 4: Emerald Lakes SW 147 Ave. and 8th. St. 2000/2002	This project is a 127.5 Ac. residential subdivision project consisting of 590 lot development with nine phases, with several large interconnected lakes to provide stormwater routing. The project consisted of a network of interior collector roadways, between the lakes and interior local roads to serve the individual phases.	Boundary and topographic, as well as hydrographic survey, wetland determination and permitting. Land planning, public involvement and public hearing presentations. Platting process, paving and drainage design, as well as stormwater management, water distribution and transmission systems, gravity sewage collection system, pump station and

Rafael L. Robayna
P.E. 19453
Ariadna Risher

Project 5:
Royal Oaks Security Guard
House
2002-2002

Roadway modifications Guardhouse, pavements
Marking

force main connecting a mile to the South, with
pavement restoration of route and continued
thru the construction surveying for the
infrastructure and the house construction.
Surveying, Design, Const. Mgt. Roadway
modification, Guardhouse, pavements Marking

Rafael L. Robayna
P.E. 19453
Ariadna Risher

Project 6:
South Morton Street
Improvements.
Miami, Fl
2003/2003

Street Improvement Project. Paving design,
sidewalk drainage, landscaping.

Surveying and engineering design.
Construction management, relocations,
signage and pavement marking and
miscellaneous engineering. Also included in
this project the coordination with Miami-Dade
WASD and with FP&L in their relocation of
conflicting elements.

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