

Walters, Vivian (SBD)

From: Beltre, Ernesto (Aviation) [EBeltre@miami-airport.com]
Sent: Friday, October 14, 2011 4:47 PM
To: Walters, Vivian (SBD)
Cc: Johnson, Laurie (SBD); Collins, Milton (Aviation); Corrales, Caridad (Aviation); Hernandez, Pedro (Aviation); Garcia, Guillermo R. (Aviation); Millan, Luisa M. (OCI)
Subject: RE: E11-MDAD-02 - Review of Responses from Polled CBE Firms

Vivian,

Once again, apologies for not getting back to you on Tuesday. The Aviation Department has completed the review of reference information and we have the following comments:

- Out of the fourteen CBE firms polled by SBD, eight companies provided their relevant work experience and six companies did not.
- Out of the eight firms that submitted their relevant work experience, none of the firms demonstrated a minimum of ten years of experience in developing and maintaining drainage master plans and associated computer models. According to the data, ADA was the company with the most experience at seven years.

Please let me know if you have any questions or need additional information.

Regards,

Ernesto Beltre, P.E.
Chief
Aviation Civil Engineering
Miami-Dade Aviation Department
Tel: (305) 876-0787
Fax: (305) 876-0239
Email: ebeltre@miami-airport.com

From: Beltre, Ernesto (Aviation)
Sent: Wednesday, October 05, 2011 3:42 PM
To: Walters, Vivian (SBD)
Cc: Johnson, Laurie (SBD); Collins, Milton (Aviation); Corrales, Caridad (Aviation); Hernandez, Pedro (Aviation); Garcia, Guillermo R. (Aviation)
Subject: RE: E11-MDAD-02

Vivian,

We will need a couple of days to review the information and provide you with our feedback. Since Monday, October 10, 2011 is a holiday, we will provide you with a response by Tuesday, October 11, 2011.

Regards,

Ernesto Beltre, P.E.
Chief
Aviation Civil Engineering
Miami-Dade Aviation Department
Tel: (305) 876-0787
Fax: (305) 876-0239
Email: ebeltre@miami-airport.com

From: Walters, Vivian (SBD)
Sent: Wednesday, October 05, 2011 12:47 PM

To: Beltre, Ernesto (Aviation)
Cc: Johnson, Laurie (SBD); Collins, Milton (Aviation); Corrales, Caridad (Aviation)
Subject: E11-MDAD-02

Ernie,

SBD is currently reviewing this project, (resubmittal) for a **2nd Tier CBE Set-Aside**. At the time of the review in **March 2011**, a limited number of **1st Tier CBEs** were certified in all three Technical Categories, thus the concurrence with the **5% CBE-A/E** sub-consultant goal (a recommendation from MDAD); subsequently, an amendment to the CBE-A/E program now allows for a **2nd Tier CBE Set-Aside** (in which both **1st** or **2nd Tiers CBEs** can serve as the prime), thus increasing the number of eligible firms.

SBD identified and polled via a "**Verification of Availability**" fourteen (14) CBE firms certified in all Technical Categories, as stipulated by MDAD; namely

- i. **4.01 – Aviation Systems-Engineering Design**
- ii. **10.01 - Environmental Engineering–Stormwater Drainage Design Services**
- iii. **16.00 –General Civil Engineering**

Find attached eight (8) responses from the following **1st Tier** and **2nd Tier CBE Firms (potential Primes)**, (and the relevant experience).

Please review and provide feedback; (we can discuss these responses as the project is finalized for the Director's signature).

Please contact me at such time as MDAD is available to discuss the responses and the proposed "**Set-Aside**" (pursuant to the review of the attached).

Regards,

Vivian O. Walters, Jr.

Contract Development Specialist II

Small Business Development

111 NW 1st Street #19 Floor

Miami, FL 33128

walterv@miamidade.gov

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

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Miami-Dade County is a public entity subject to Chapter 119 of the Florida Statutes concerning public records. E-mail messages are covered under such laws and thus subject to disclosure.





CONSULTING ENGINEERING & SCIENCE, INC.

Civil Engineers

Coastal Engineers

Environmental Scientists

October 5, 2011

VIA E-MAIL ONLY

Mr. Vivian O. Walters, Jr.
Department of Small Business Development
Community Business Enterprise Program
111 N.W. 1st Street, 19th Floor
Miami, Florida 33128

Re: CBE Verification of Availability
Project No. E11-MDAD-02

Dear Mr. Walters:

In response to your September 30, 2011 request, please accept this letter and accompanying information as our expression of interest, availability and qualification to provide CBE sub-consultant services in Categories 4.01, 10.01 and 16.00 for the above referenced project. The accompanying information includes:

1. A completed Verification of Availability form, with attachment; and,
2. Supporting Information relating to the Overall Project Description.

Thank you for the opportunity to submit this information. Should you have any questions, please call.

Very truly yours,

CONSULTING ENGINEERING & SCIENCE, INC.

Richard B. Bochnovich, P.E.
Senior Vice President

(2011/1002)
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: Stormwater Master Plan

E11-MDAD-02

CONTRACT ESTIMATED AMOUNT: \$1,500,000.00

Consulting Engineering & Science, Inc. Cert. #14264
NAME OF COMMUNITY BUSINESS ENTERPRISE Certification Expires: 01/31/2012
DATE

10700 No. Kendall Drive, Suite 400, Miami, Florida 33176

ADDRESS

CITY

ZIP CODE

Telephone: (305) 378-5555

Bonding Capacity: N/A

Richard B. Bochnovich, P.E., Senior Vice President

PRINT NAME AND TITLE


SIGNATURE OF COMPANY REPRESENTATIVE

10/05/2011

DATE

DESCRIPTION OF PROJECT

Project Title: Stormwater Master Plan

Project Number: E11-MDAD-02

Department: MDAD

Estimated Cost: \$1,500,000.00

Technical Categories:

TC No.	Description	Percentage	Amount
4.01	Aviation Sys-Engineering Design (Prime)	10%	\$150,000
10.01	Environmental Engineering - Stormwater Drainage Design Eng. Service (Prime)	75%	\$1,125,000
16.00	General Civil Engineering (Prime)	10%	\$150,000
15.01	Surveying and Mapping – Land Surveying	5%	\$75,000.00
Total Estimated Design Fees		100%	\$1,500,000.00

Overall Project Description

The scope of work for Utility Master Plan is primarily accomplished by a single discipline; in this case, the drainage or stormwater branch of Civil Engineering. The consultant will be required to use specific software and base planning, analysis and recommendations from the output of the software. Decoupling any of these components creates inefficiency in the project. Data gathering and as-built verification in the form of surveying and mapping was the scope of work best suited for sub-consulting.

The prime consultant for this project must be certified in 4.01, 10.01, and 16.00, (all three technical categories). The primary objective for this project is to update the existing Drainage Master Plan at Miami International Airport. Secondary objectives include the updates of the Drainage Master Plan at Opa-Locka and Kendall-Tamiami Airports. *The consultant must be familiar with local and federal requirements mandated in such facilities* (thus the requirement of the 4.01 – Aviation Systems – Engineering Design certification).

Do you have prior (airport) experience satisfying the above stated? Yes ☒ No ☐
 (See Supporting Information)

The 10.01 – Environmental Engineering – Stormwater Drainage Design Engineering Services certification is necessary as this is the primary scope of work. The 16.00 – General Civil Engineering certification is necessary to cover ancillary topics such as utilities, roadway and maintenance of traffic design which affect the planning of new drainage infrastructure.

Do you have prior (airport) experience satisfying the above stated? Yes X No _____

***Minimum Requirements**

- Prime must be certified in 4.01, 10.01 and 16.00.

The prime must demonstrate a minimum of ten (10) years of experience from the submittal date, in developing and maintaining drainage master plans and associated computer model (SWMM and XP SWMM) in airport and municipal storm water management systems of equal size and complexity as Miami International Airport (MIA stormwater drainage system has four (4) watersheds and five (5) outfalls that include over sixty (60) miles of drainage pipe (ranging in sizes from 24" to 96") and more than two-thousand (2000) structures.

Do you have prior experience satisfying the above requirements? Yes X 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**

SUPPORTING INFORMATION

Item 1: The Consultant must be familiar with local and federal requirements mandate in such facilities.

Response: While Consulting Engineering & Science has no prior Storm Drainage experience at airport facilities, members of our staff have served as Project Engineers for runway and taxiway improvements at Orlando International Airport and at Key West International Airport. We have however designed and permitted storm drainage systems for industrial facilities which are similar in nature to the conditions encountered at airports. In addition, we have designed stormwater systems for projects of various sizes throughout Florida. These projects have included closed systems consisting of catch basins, pipes, exfiltration systems and wet and dry retention; and, outfall systems to State, federal and local waterways. We have secured permits from the Florida DEP, South Florida Water Management District and Miami-Dade County DERM for those projects.

References: Carlos de Rojas, P.E.
Senior Supervising Engineer
South Florida Water Management District
(561) 686-8800

Camilo Ignacio
Water Control Section
Miami-Dade County DERM
(305) 372-6681

Item 2: Stormwater Drainage Design Engineering Services Experience.

Response: Consulting Engineering & Science has provided stormwater planning, design and construction engineering services to Miami-Dade County DERM on a number of projects ranging in size from 20 to over 50 acres. These projects have included upgrading existing systems which were under-performing to providing new systems where none had previously existed. These projects were situated in both urban and rural areas and included closed systems consisting of catch basins, pipes, exfiltration systems and wet and dry retention; and, outfall systems to State, federal and local waterways.

Projects:

- American Homes & Serena Lakes
- Arch Creek Estates
- Miami Basin 21
- Country Walk, Basins 1 and 3 thru 7
- Palm Springs North, Phases 1 thru 4
- Rucks Park & Biscayne Shores

References: Dorian Valdez, P.E.
Assistant Director, Seaport Capital Development
Miami-Dade County Seaport Dept.
(305) 347-4802

Antonio Cotarello, P.E.
Assistant Director, Construction
Miami-Dade County Public Works Dept.
(305) 375-1918

Bassam Moubayad
Stormwater Design Section-Highway Division
Miami-Dade County Public Works Dept.
(305) 372-6869

Rene Idarraga, P.E.
Stormwater Design Section-Highway Division
Miami-Dade County Public Works Dept.
(305) 372-6867

Item 3: SWMM and XP SWMM Experience.

Response: Consulting Engineering & Science has the staff and operating knowledge of these computer programs.

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: Stormwater Master Plan

E11-MDAD-02

CONTRACT ESTIMATED AMOUNT: \$1,500,000.00

Rodriguez and Quirera Architects Chartered Certification Expires: 10/31/2012
NAME OF COMMUNITY BUSINESS ENTERPRISE DATE

2100 Ponce de Leon Blvd, Mezzanine Coral Gables, FL 33134
ADDRESS CITY ZIP CODE

Telephone: (305) 448-7417 Bonding Capacity: N/A

Benito A. Carmone, P.E. Vice-President
PRINT NAME AND TITLE

[Signature] 10/5/11
SIGNATURE OF COMPANY REPRESENTATIVE DATE

DESCRIPTION OF PROJECT**Project Title:** Stormwater Master Plan**Project Number:** E11-MDAD-02**Department:** MDAD**Estimated Cost:** \$1,500,000.00**Technical Categories:**

TC No.	Description	Percentage	Amount
4.01	Aviation Sys-Engineering Design (Prime)	10%	\$150,000
10.01	Environmental Engineering - Stormwater Drainage Design Eng. Service (Prime)	75%	\$1,125,000
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Total Estimated Design Fees		100%	\$1,500,000.00

Overall Project Description

The scope of work for Utility Master Plan is primarily accomplished by a single discipline; in this case, the drainage or stormwater branch of Civil Engineering. The consultant will be required to use specific software and base planning, analysis and recommendations from the output of the software. Decoupling any of these components creates inefficiency in the project. Data gathering and as-built verification in the form of surveying and mapping was the scope of work best suited for sub-consulting.

The prime consultant for this project must be certified in 4.01, 10.01, and 16.00, (all three technical categories). The primary objective for this project is to update the existing Drainage Master Plan at Miami International Airport. Secondary objectives include the updates of the Drainage Master Plan at Opa-Locka and Kendall-Tamiami Airports. *The consultant must be familiar with local and federal requirements mandated in such facilities* (thus the requirement of the 4.01 – Aviation Systems – Engineering Design certification).

Do you have prior (airport) experience satisfying the above stated? Yes X No

The 10.01 – Environmental Engineering – Stormwater Drainage Design Engineering Services certification is necessary as this is the primary scope of work. The 16.00 – General Civil Engineering certification is necessary to cover ancillary topics such as utilities, roadway and maintenance of traffic design which affect the planning of new drainage infrastructure.

Do you have prior (airport) experience satisfying the above stated? Yes ☒ No ☐

***Minimum Requirements**

- Prime must be certified in 4.01, 10.01 and 16.00.

The prime must demonstrate a minimum of ten (10) years of experience from the submittal date, in developing and maintaining drainage master plans and associated computer model (SWMM and XP SWMM) in airport and municipal storm water management systems of equal size and complexity as Miami International Airport (MIA stormwater drainage system has four (4) watersheds and five (5) outfalls that include over sixty (60) miles of drainage pipe (ranging in sizes from 24" to 96") and more than two-thousand (2000) structures.

Do you have prior experience satisfying the above requirements? 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**

RODRIGUEZ AND QUIROGA
ARCHITECTS CHARTERED

**Contract Title and number: Stormwater Master Plan
E11-MDAD-02**

Examples of work completed on similar projects:

(1) Utility Corridor for North Runway - Miami International Airport

Description of project:

This project consisted of one quarter mile of utilities construction on the site of the future north runway at Miami International Airport.

Technical duties performed:

Our office was hired to conduct the construction management, scheduling, and supervision of construction, liason with M-D Aviation Department and prime contractor.

The scope of construction included phasing of construction to facilitate the smooth operation of cargo aircrafts, minimizing conflicts, and fencing to secure airside security. Installation of 12' x 9" concrete box culvert, 12" force main, 24" water main, electrical and communication conduits, and complete restoration.

During construction, we had site inspectors on critical stages of the project. This project was completed on time and on budget.

(2) MIA- Cargo Building 2207- Miami International Airport

Description of project:

Tis project consisted of 1.3 acres of airside apron and 0.7 acres of landside parking and cargo deck for Cargo Building 2207.

Technical duties performed:

Program verification, design of construction drawings and specifications for airside apron for two DC-10s and landside pavement, grading and drainage, utilities relocation, water and wastewater design, fire protection, M.O.T. and pavement markings. Coordination with DCAD personnel and other consultants. The drainage system consisted of retro-fitting drainage from cargo building 2203 (next to 2207), coordination with MIA primary storm water pollution prevention plan report. Subsequently this office maintained records for certification of soil tests and final completion certification for F.A.A. approval.

This project required a massive record keeping on all stages of construction, issuance of payment requisitions and compliance with F.A.A. rules and regulations. It was completed in time and on budget and was subsequently approved by F.A.A. and all other jurisdictional agencies for certification of soil tests and final completion certification for F.A.A. approval.

RODRIGUEZ AND QUIROGA
ARCHITECTS CHARTERED

This project required a massive record keeping on all stages of construction, issuance of payment requisitions and compliance with F.A.A. rules and regulations. It was completed in time and on budget and was subsequently approved by F.A.A. and all other jurisdictional agencies.

(3) Taxi staging area resurface and paving markings - Miami International Airport

Description of project:

This project consisted of improvements and resurfacing of taxi staging area, traffic movement design and access roadway to arrival lanes

Technical duties performed:

Drainage relocations, pavement design and construction documents. Paving markings to maintain taxi staging area at maximum efficiency.
150 L.F. of roadway from exit of taxi area to connect to terminal roadway.
Construction inspections and reports.

(4) Miami Central High School NW 95 St. & NW 17 Avenue Miami, Florida (Phases I – IV)

Description of project:

Complete replacement of existing buildings and parking areas by phases including all infrastructure, site has 34 acres.

Technical duties performed:

Design and Construction Documents for Grading, Pavement and Drainage, Pavement Markings, and Traffic Control Signs.
The school had to remain functional as construction phasing was accomplished.
Three parking areas of about 8.3 acres and driveway connections throughout the site as well as public R/W curb cuts and island modifications for egress and ingress to parking lots.
DERM ERP for entire school with calculations and drainage storage areas.

Walters, Vivian (SBD)

From: Marina Alonso-Mendoza [malonso-mendoza@rodriguezquirolga.com]
Sent: Wednesday, October 05, 2011 10:27 AM
To: Walters, Vivian (SBD)
Cc: Benito A. Carmona; Raul L. Rodriguez
Subject: Verification of Availability - Stormwater Master Plan
Attachments: RandQ Stormwater Master Plan - MIA.pdf

Mr. Walters, enclosed is the completed Verification of Availability form for Project E11-MDAD-02 Stormwater Master Plan at Miami International Airport (MIA). Also enclosed is a list of the work completed on similar projects, three (3) of which were at MIA. We appreciate the opportunity to be considered for this project.

Marina Alonso-Mendoza, CPA
RODRIGUEZ AND QUIROGA ARCHITECTS CHARTERED
2100 Ponce de Leon Boulevard
Coral Gables, Florida 33134
(305) 448-7417 x 38
(305) 448-2712 Fax
www.rodriguezquirolga.com

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: Stormwater Master Plan

EII-MDAD-02

CONTRACT ESTIMATED AMOUNT: \$1,500,000.00

THE BETAJONES GROUP, INC.
NAME OF COMMUNITY BUSINESS ENTERPRISE

Certification Expires: Nov. 30, 2011
DATE

1925 BRICKELL AVENUE, SUITE D-405
ADDRESS

MIAMI
CITY

33129
ZIP CODE

Telephone: (786) 284-8828

Bonding Capacity: N/A

LUIS A. BETALLELUZ, P.E.

PRESIDENT

PRINT NAME AND TITLE


SIGNATURE OF COMPANY REPRESENTATIVE

SEPTEMBER 30, 2011
DATE

SEP-30-2011 07:26 From: CRC

3053752343

To:Fax

P.3/4

DESCRIPTION OF PROJECT

Project Title: Stormwater Master Plan

Project Number: E11-MDAD-02

Department: MDAD

Estimated Cost: \$1,500,000.00

Technical Categories:

TC No.	Description	Percentage	Amount
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10.01	Environmental Engineering - Stormwater Drainage Design Eng. Service (Prime)	75%	\$1,125,000
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Total Estimated Design Fees		100%	\$1,500,000.00

Overall Project Description

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Do you have prior (airport) experience satisfying the above stated? Yes ☒ No ☐

SEP-30-2011 07:27 From:CRC

3053752343

To:Fax

P.4/4

The 10.01 – Environmental Engineering – Stormwater Drainage Design Engineering Services certification is necessary as this is the primary scope of work. The 16.00 – General Civil Engineering certification is necessary to cover ancillary topics such as utilities, roadway and maintenance of traffic design which affect the planning of new drainage infrastructure.

Do you have prior (airport) experience satisfying the above stated? Yes ☒ No ☐

***Minimum Requirements**

- Prime must be certified in 4.01, 10.01 and 16.00.

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Do you have prior experience satisfying the above requirements? 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**

Luis A. Betalleluz, P.E., LEED A.P.
President

Graduate of the University of Florida's College of Engineering and President of The BetaJones Group, Mr. Betalleluz provides leadership, professional business ethic, as well as technical expertise in managing, designing, permitting, coordinating, inspecting, and reviewing Civil Engineering Projects. He is the Chair of the Builders Association of South Florida's **Green Building Council and Environmental Code Committees**; and a member of the American Society of Civil Engineers, Builders Association of North Central Florida, American Water Resources Association, Environment and Water Resources Institute, and Transportation and Development Institute. In 2009 and 2010 Mr. Betalleluz was selected by the National Home Builders Association to Judge the best communities built in Florida at the Florida Parade of Homes. In his early profession, Mr. Betalleluz was a volunteer for the White House Staff under President William Jefferson Clinton.

Mr. Betalleluz's civil engineering experience expands across the state of Florida and the Caribbean in both the public and private sectors. His areas of expertise include: project management, comprehensive permitting, site planning, stormwater management facility design, utility transmission system design, grading plan design, hydraulic studies, and LEED certification. His experience includes the planning and design of hydrologic restoration, mitigation projects, new development, renovations, commercial, residential, industrial, and municipal sites. He has performed site-civil services on major projects such as: large residential subdivisions, residential condominiums/buildings, site rehabilitation, commercial centers, industrial parks, mixed-use sites, college campus additions, and roadways.

Mr. Betalleluz also brings specialized services such as extensive experience in the FDEP NPDES Program for Industrial and Construction Activities. Additional expertise in erosion & sedimentation control design & inspection, including Stormwater Pollution Prevention Plans (SWPPP), Cost-Benefit analyses, and construction estimates.

PROFESSIONAL REGISTRATIONS AND CERTIFICATIONS

- Florida Registered Professional Engineer # 65892
- LEED Accredited Professional – New Construction – USGBC
- AdICPR Stormwater Modeling - Advanced Training Program Certification
- Certified NPDES Erosion Control Mgmt. Inspector – FDEP
- Certified for Maintenance of Traffic (MOT) Plan Design - ATSSA
- Certified in Sales Engineering – University of Florida

EDUCATION

- B.S. Civil Engineering – University of Florida
- Minor in Business Administration – University of Florida

PROFESSIONAL EXPERIENCE

- The BetaJones Group, Inc. –Miami, Florida - Present
 - President
- Langan Engineering and Environmental Services - Miami, Florida - Past
 - Site-Civil Engineering Department Manager - Miami Office
- Water & Air Research, Inc. - Gainesville, Florida - Past
 - Civil/Land Development Engineer
 - Engineer Technician
- Peter Kiewit Sons' Inc./ Gilbert Southern Corp. - Ft. Lauderdale, Florida - Past
 - Civil Engineer

PROFESSIONAL SERVICE AREAS

Site Plan Design

- Property Condition Assessments
- Due Diligence
- Conceptual Layout
- Final Site Plan

Site-Civil Engineering Design & Permitting

- Green Building Design
- Stormwater Management Facilities
- Paving, Grading, and Drainage
- Utility Transmission Systems
- Maintenance of Traffic (MOT) Design
- Waste Management Master Plans

Erosion and Sedimentation Control Plans

- NPDES permitting and inspections
- Stormwater Pollution Prevention Plans
- Industrial activity control reports
- Construction activity reports

Floodplain Studies

- Floodplain limit analysis
- F.E.M.A. Floodplain Certifications

Construction Engineering Administration

- Construction Estimates
- Cost-Benefit Analysis
- As-Built Certifications

Hydrologic Restoration

- Historical site analysis
- Watershed delineation
- Groundwater Modeling

Mitigation Planning and Design

LEED Accredited Professional

Design-Build

RELATED PROJECT EXPERIENCE

MIA Fumigation Facility

- Project Civil Engineer - Design, modeling, and permitting of site infrastructure, including parking and utility improvements for a proposed Miami International Airport fumigation storage facility located within the SW corner of the MIA property.
- Miami-Dade County, FL
- Construction Cost: \$800,000
- Reference Name(s): Ricardo Solorzano – MDAD PM
 - Phone: (305) 609-1512
 - Email: RSOLORZANO@miami-airport.com
- Reference Name(s): Joaquin Menendez – MDAD Utilities
 - Phone: (305) 869-1329
 - Email: JMenendez@miami-airport.com
- Reference Name(s): Jorge Azze, AIA – Prime Consultant
 - Phone: (305) 663-2666
 - Email: jazze@bellsouth.net

Florida Fish & Wildlife CC - Royce Unit

- 2,700 Acre Hydrologic Study and Hydraulic Restoration Project.
- Highlands County, Florida
- Construction Cost – \$5 Million
- Reference Name(s): Adriana Hegeman – P.E.
 - Phone: (910) 723-1524
 - Email: adrianahegeman@yahoo.com

Opa-Locka Airport – MDC Fire Rescue Heliport

- Project Civil Engineer - Design, modeling, and permitting of site drainage, for the Construction of a Helipad with associated hangar and driveway within Basin 220 of the Opa-Locka Master Drainage Plan located within the Opa-Locka Airport property.
- Miami-Dade County, FL
- Construction Cost – Budget is less than \$1,000,000 – Project in Progress.
- Reference Name(s): Oscar Posada – MDAD Architect
 - Phone: (786) 331-4497
 - Email: oscar.posada@miamidade.gov

I-95 & Pembroke Road Pump Station

- Design-Build of 2.5 mile master drainage pipeline and pump station project, including micro tunneling under I-95, trenching and boring under major arterial roadways. Modeling using the XP SWMM Program
- Hallandale + Pembroke + Hollywood, Broward County, Florida
- Construction Cost – \$10 Million
- Reference Name(s): Brian Johnson – P.E.
 - Phone: (954) 763-4242
 - Email: BJohnson@wsh-law.com

- **Santa Fe Community College – Pond A**
- Civil Engineer - Design, Modeling, and Permitting of 20-Acre Master Stormwater Plan serving 1 of 4 major watersheds for Santa Fe Community College using ICPR modeling software.
 - NPDES Construction Activity Report
 - Stormwater Pollution Prevention Plan
 - Gainesville, Alachua County, Florida
 - Construction Cost – \$5 Million
 - Reference Name(s): Adriana Hegeman – P.E.
 - Phone: (910) 723-1524
 - Email: adrianahegeman@yahoo.com

- **Deering Bay Country Club
(www.dbycc.com)**
- Civil Engineer - 70-acre Golf Course Redesign Project and conversion into an Arnold Palmer Signature Course. Scope of work included drainage modeling using XP SWMM and permitting with regulatory agencies.
 - Coral Gables, Miami-Dade, Florida
 - Construction Cost – \$20 Million
 - Reference Name(s): Mr. Dan Grenier
 - Phone: (786) 566-7630
 - Email: daniel.grenier@urscorp.com

- **Homestead Air Force Base Armory Expansion**
- Site Improvements, including drainage renovations and utility upgrades of an existing Military Building for the Department of Military Affairs.
 - Miami, Miami-Dade County, Florida
 - Construction Cost – \$500,000
 - Reference Name(s): Mr. Jose Matute
 - Phone: (305) 661-0069
 - Email: jmatute@gurrimatute.com

- **Promenade at Coconut Creek
(www.Stanbery.com)**
- Design, modeling, and permitting of site, drainage, and utilities for a Mainstreet Development Mix-use condo, office, and retail lifestyle center
 - **LEED Certification**
 - Coconut Creek, Broward, Florida
 - Construction Cost – \$20 Million
 - Reference Name(s): Mr. Dan Grenier
 - Phone: (786) 566-7630
 - Email: daniel.grenier@urscorp.com

- **MIA Westside Fuel Tender Facilities**
- Construction of Westside Fuel Facilities with associated parking, access roads, infrastructure and utilities at the Miami International Airport. Served as the Office Engineer throughout the construction of the project.
 - Miami-Dade County, FL
 - Construction Cost – \$4 Million
 - Reference Name(s): Brian Johnson – P.E.
 - Phone: (954) 763-4242
 - Email: BJohnson@wsh-law.com

- **MIA Midfield Phase IIIc**
- Worked on master takeoff which included pavement removal and installation, construction of utilities (water, sewer, and drainage), demolition of Bldgs, Clearing & Grubbing, and removal of miscellaneous items (airport lights & building equipment. Served as Estimating Engineer.
 - Miami-Dade County, FL
 - Construction Cost – Unknown
 - Reference Name(s): Brian Johnson – P.E.
 - Phone: (954) 763-4242
 - Email: BJohnson@wsh-law.com

- **Border Patrol Detainee Center**
- Design, modeling, and permitting of site, drainage, and utilities for the Department of Homeland Security on a 4.3 acre wetland. Project included major drainage design and permitting with the U.S. Corps of Engineers.
 - Dania Beach, Broward County, FL
 - Construction Cost – \$10 Million
 - Reference Name(s): Mr. Dan Grenier
 - Phone: (786) 566-7630
 - Email: daniel.grenier@urscorp.com

- **Miami-Dade Transit Busway Improvements**
- Design and Permitting of bus stop improvements for ADA compatibility on over 200 bus shelter sites in 12 different Municipalities in Miami-Dade.
 - Doral, Homestead, North Miami, North Miami Beach, Florida City, El Portal, Miami Lakes, Miami Gardens, Surfside, Medley, Opa-Locka, Bay Harbor Islands
 - Miami-Dade County, FL

ADDITIONAL PROJECT EXPERIENCE

■ Robert M. Ballard Armory Expansion

- Site Improvements, including drainage renovations and utility upgrades of an existing Military Building for the Department of Military Affairs.
- Miami, Miami-Dade County, Florida

■ Miami Free Zone Expansion

- Design, modeling, and permitting of site addition, drainage, and utility improvements, including a 7-Story Parking Garage, Office Building, and parking lot redesign to accommodate standard and oversized vehicle capacity on a 32- Acre Warehouse Secured Site.
- Doral, Miami-Dade, Florida

■ The Columbus Center – LEED Certification

- Production of a Waste Management Master Plan of a 14-story office building on a 3-acre site to acquire Gold Certification through the Leadership in Energy and Environmental Design (LEED) Green Building Rating System as set forth by the United States Green Building Council (USGBC)
- **Gold LEED Certification** – in progress
- Coral Gables, Miami-Dade County, FL

■ Karanda I Village Site Rehabilitation

- Design and Permitting of Asphalt Rehabilitation improvements for a 30-Acre Residential Subdivision
- Coconut Creek, Broward, Florida

■ Karanda I Village Foundation Stabilization

- Design and Permitting of Erosion and Sedimentation Control and Foundation Stabilization for a 30-Acre Residential Subdivision.
- Coconut Creek, Broward, Florida

■ Montclair Oaks Multi-Family Subdivision

- Design, modeling, and permitting of site, drainage, and utilities for a 100-Unit Multi-Family Subdivision
- Lake County, Florida

■ Miami Metrozoo Amphitheatre

- Renovation of site, drainage, and utilities Zoo main amphitheatre
- Miami-Dade County, Florida

■ Wynwood Neighborhood Service Center

- Government Building site renovation and neighborhood re-development, design, modeling, and permitting of site, accessibility, parking, drainage, community connectivity and utilities for the expansion of Miami's Design District
- **Silver LEED Certification** – Goal
- Miami, Miami-Dade County, Florida

■ Seminole Native Learning Center

- Building conversion and site re-development, design, modeling, and permitting of site, parking, drainage, and utilities of an existing commercial bldg. for The Seminole Tribe of Florida
- **Gold LEED Certification** – in progress
- Hollywood, Broward County, Florida

■ Cycle World Office/Retail Site Renovation

- Building conversion from a church to office and retail and site re-development, design, and permitting of site, parking, drainage, and utilities of an existing commercial bldg.
- Miami-Dade County, Florida

■ Seminole Tribe - Hollywood Security Access

- Design of new security perimeter, including gates, fencing, barriers, and guard houses in the residential area of the reservation.
- Hollywood Seminole Indian Reservation, Broward County, FL

■ Avila Condominium Site Rehabilitation

- Design, modeling, and permitting of site, parking, drainage, and utilities to rehabilitate a 40-year old, 4, 4-story buildings, 360 unit residential 55+ community on a 10-acre site.
- Sunny Isles Beach, Miami-Dade, FL

■ Neuhut Commercial Property

- Building Additions & Improvement Project
- Bay Harbor Islands, Miami-Dade, Florida

■ Biscayne Gardens Elementary

- School Renovation Project
- Design, modeling, and permitting of infrastructure improvements for school.
- North Miami, Miami-Dade, Florida

■ ■ ■ **Dollar General Franchise Store**

- Design, modeling, and permitting of site, drainage, and utilities
- Levy County, Florida

■ ■ ■ **Santa Maria Golf and Country Club**

- 700-acre Mixed-Use Project including Retail Center, High and Low Density Residential Areas, Country Club, Banquet Hall, and Jack Nicklaus Signature Golf Course.
- Panama City, Panama

■ ■ ■ **Seminole - Big Cypress Cemetery**

- Site improvements and hydrological study for a cemetery expansion, design, modeling, and permitting of site, drainage, and utilities for the Seminole Tribe of Florida.
- Hendry County, FL

■ ■ ■ **Rio Fajardo (Fajardo River) Mitigation Plan**

- Hydraulic Study, Mangrove Restoration, Plan for a 85-Acre site near Punta Fajardo, Puerto Rico.
- Designed and permitted for the U.S. Army Corps of Engineers

■ ■ ■ **The Sheldon Hotel – Property Conditions Assessment Report**

- Engineering Site and Structural Assessment of an existing 1943 beachfront hotel along the Hollywood Beach historic boardwalk, including the identification of ADA updates and community connectivity improvements Hollywood Beach, Broward County, FL

■ ■ ■ **Seminole - Big Cypress Family Services**

- Design of parking lot, utility, stormwater system, and grading improvements for Foster Care Facility.
- Big Cypress Seminole Indian Reservation

■ ■ ■ **Dezer/Trump Development Group - Exotic Car Museum**

Property Conditions Assessment Report

- Engineering Site and Structural Assessment of an existing abandoned gas station for site conversion into car museum, including the identification of development and improvement options
- North Miami Beach, Miami-Dade County, FL

■ ■ ■ **SJRCC Performing Arts Center**

- Design, modeling, and permitting of site, drainage, and utilities St. John River Community College Arts Center
- Middleburg, Clay County, Florida

■ ■ ■ **APAC Asphalt SE Plant**

- NPDES Industrial Activity Report
- NPDES Construction Activity Report
- Stormwater Pollution Prevention Plan
- Gainesville, Alachua County, Florida

■ ■ ■ **Kanapaha Station**

- Design, modeling, and permitting of site, drainage, and utilities for a 3-Acre Strip Mall
- NPDES Construction Activity Report
- Alachua County, Florida

■ ■ ■ **Southern Mills Business Park**

- NPDES Construction Activity Report
- Stormwater Pollution Prevention Plan
- Palm Beach County, Florida.

■ ■ ■ **Wachovia Center-Tampa-LEED Certification**

- Production of a Waste Management Master Plan of a 22-story office building with associated parking garage to acquire Gold Certification through the Leadership in Energy and Environmental Design (LEED) Green Building Rating System as set forth by the United States Green Building Council (USGBC)
- **Gold LEED Certification** – in progress
- Tampa, Hillsborough County, FL

■ ■ ■ **Miami Cargo Park**

- Design, modeling, and permitting of site parking additions, drainage, and utility improvements, including implementation of sustainable products such as permeable asphalt design for a 23-acre, 600,000 SF. Warehouse and UPS distribution Facility.
- Doral, Miami-Dade County, Florida

■ ■ ■ **Haile Plantation Historical Estate**

- Design, modeling, and permitting of site improvements, drainage, and utilities for the 20-acre project. Included the design of museum parking areas, gift shop building with associated infrastructure and drainage repairs for the historical site..
- Kanapaha, Alachua County, FL

■ ■ ■ **Karanda I Village Reserve Study and Engineering Estimates**

- Engineering Estimates for a 30-Acre Residential Subdivision's master improvement and rehabilitation plan
- Coconut Creek, Broward, Florida

■ ■ ■ **Marina Del Ray Homes**

- Design, modeling, and permitting of site, accessibility, drainage, and utilities for a 100-Unit Multi-Family Subdivision, 55+ Community
- Beverly Hills, Citrus County, Florida

■ ■ ■ **350 Las Olas Blvd. – LEED Certification**

- Production of a Waste Management Master Plan of an 18-story mix-use office-residential-retail building to acquire Gold Certification through the Leadership in Energy and Environmental Design (LEED) Green Building Rating System as set forth by the United States Green Building Council (USGBC)
- **Gold LEED Certification**
- Ft. Lauderdale, Broward County, FL

■ ■ ■ **450 Las Olas Blvd. – LEED Certification**

- Production of a Waste Management Master Plan of an 15-story mix-use office-residential-retail building to acquire Gold Certification through the Leadership in Energy and Environmental Design (LEED) Green Building Rating System as set forth by the United States Green Building Council (USGBC)
- **Gold LEED Certification**
- Ft. Lauderdale, Broward County, FL

■ ■ ■ **Alhambra West – LEED Certification**

- Production of a Waste Management Master Plan of a 14-story office building to acquire Gold Certification through the Leadership in Energy and Environmental Design (LEED) Green Building Rating System as set forth by the United States Green Building Council (USGBC)
- **Gold LEED Certification**
- Coral Gables, Miami-Dade County, FL

■ ■ ■ **Alhambra Plaza – LEED Certification**

- Production of a Waste Management Master Plan of a 14-story office building to acquire Gold Certification through the Leadership in Energy and Environmental Design (LEED) Green Building Rating System as set forth by the United States Green Building Council (USGBC)
- **Gold LEED Certification** – in progress
- Coral Gables, Miami-Dade County, FL

■ ■ ■ **1 Brickell Square – LEED Certification**

- Production of a Waste Management Master Plan of a 26-story office building to acquire Gold Certification through the Leadership in Energy and Environmental Design (LEED) Green Building Rating System as set forth by the United States Green Building Council (USGBC)
- **Gold LEED Certification** – in progress
- City of Miami, Miami-Dade County, FL

■ ■ ■ **Seminole Tribe - Ft. Pierce Security Access**

- Design of new security perimeter, including gates, fencing, barriers, and guard houses in the residential area of the reservation.
- Ft. Pierce, St. Lucie County, FL

■ ■ ■ **Datran Center 1 and 2 – LEED Certification**

- Production of a Waste Management Master Plan of 2- 21-story office buildings to acquire Gold Certification through the Leadership in Energy and Environmental Design (LEED) Green Building Rating System as set forth by the United States Green Building Council (USGBC)
- **Gold LEED Certification** – in progress
- Miami-Dade County, FL

SEP-30-2011 07:04 From: CRC

3053752343

To: 13055518977

P.2/4

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: Stormwater Master Plan

E11-MDAD-02

CONTRACT ESTIMATED AMOUNT: \$1,500,000.00

A.D.A. Engineering, Inc.
NAME OF COMMUNITY BUSINESS ENTERPRISE

Certification Expires: 4/30/2012
DATE

8550 NW 33rd Street Doral FL 33122
ADDRESS CITY ZIP CODE

Telephone: (305) 551-4608 Bonding Capacity: N/A

Ivette O. Argudin / Vice President
PRINT NAME AND TITLE

Ivette O. Argudin
SIGNATURE OF COMPANY REPRESENTATIVE

9/30/2011
DATE

REVISED 10/11/94

DESCRIPTION OF PROJECT

Project Title: Stormwater Master Plan

Project Number: E11-MDAD-02

Department: MDAD

Estimated Cost: \$1,500,000.00

Technical Categories:

TC No.	Description	Percentage	Amount
4.01	Aviation Sys-Engineering Design (Prime)	10%	\$150,000
10.01	Environmental Engineering - Stormwater Drainage Design Eng. Service (Prime)	75%	\$1,125,000
16.00	General Civil Engineering (Prime)	10%	\$150,000
15.01	Surveying and Mapping - Land Surveying	5%	\$75,000.00
Total Estimated Design Fees		100%	\$1,500,000.00

Overall Project Description

The scope of work for Utility Master Plan is primarily accomplished by a single discipline; in this case, the drainage or stormwater branch of Civil Engineering. The consultant will be required to use specific software and base planning, analysis and recommendations from the output of the software. Decoupling any of these components creates inefficiency in the project. Data gathering and as-built verification in the form of surveying and mapping was the scope of work best suited for sub-consulting.

The prime consultant for this project must be certified in 4.01, 10.01, and 16.00, (all three technical categories). The primary objective for this project is to update the existing Drainage Master Plan at Miami International Airport. Secondary objectives include the updates of the Drainage Master Plan at Opa-Locka and Kendall-Tamiami Airports. *The consultant must be familiar with local and federal requirements mandated in such facilities* (thus the requirement of the 4.01 - Aviation Systems - Engineering Design certification).

Do you have prior (airport) experience satisfying the above stated? Yes ☒ No ☐

SEP-30-2011 07:04 From: CRC

3053752343

To: 13055518977

P.4/4

The 10.01 – Environmental Engineering – Stormwater Drainage Design Engineering Services certification is necessary as this is the primary scope of work. The 16.00 – General Civil Engineering certification is necessary to cover ancillary topics such as utilities, roadway and maintenance of traffic design which affect the planning of new drainage infrastructure.

Do you have prior (airport) experience satisfying the above stated? Yes ☒ No ☐

***Minimum Requirements**

- Prime must be certified in 4.01, 10.01 and 16.00.

The prime must demonstrate a minimum of ten (10) years of experience from the submittal date, in developing and maintaining drainage master plans and associated computer model (SWMM and XP SWMM) in airport and municipal storm water management systems of equal size and complexity as Miami International Airport (MIA stormwater drainage system has four (4) watersheds and five (5) outfalls that include over sixty (60) miles of drainage pipe (ranging in sizes from 24" to 96") and more than two-thousand (2000) structures.

Do you have prior experience satisfying the above requirements? 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**



MIAMI-DADE COUNTY – OFFICE OF CAPITAL IMPROVEMENTS (OCI)
OCI FORM 6 – E&Q: PRIME-CONSULTANT EXPERIENCE & QUALIFICATIONS

Pursuant to Section 1.2 of the NTPC,
 please complete the information requested below to indicate the Prime Consultant's experience and qualifications.
 Respondent will adhere to the timeframe and reference quantity as denoted in the NTPC.

Reference Project Name/Address: Palm Beach International Airport Stormwater Management Master Plan/Palm Beach County, FL

Name(s) and role(s) of Prime Consultant personnel working on this reference project: Alberto D. Argudin, PE, CGC (Principal-in-Charge); Alex Vazquez (Project Manager); Misael Ramirez (Sr. CADD Technician); Luis Silva, EI (Data Collection & Evaluation / GIS Modeling)

Reference Project Description: System-Wide Master Planning Study for Palm Beach International Airport (PBIA)

Scope of Services Provided: Develop and Analyze Existing and Proposed Stormwater Management Systems Utilizing ICPR, Develop Master

Professional Fees: \$ 214,736.52

Project Start Date: 2/2006

Project Completion Date: 11/2008

Project Construction Cost: \$ N/A

Construction Start Date: N/A

Construction Completion Date: N/A

Reference Company Name: PBC Department of Aviation

Reference Name: Mr. Bruce Pelly c/o PBC

Reference Phone Number: 561-471-7412 Fax Number: 561-471-7427 E-mail: cshoffne@pbia.org

Please denote which Experience/Qualification(s) is/are being met with this reference: 1

(NOTE: Experience/Qualifications are not synonymous with technical certification categories.)

Prime Consultant may use the space below to expand on the scope of services provided for this project:

In 2007, the Palm Beach County Department of Airports (DOA) completed a System-Wide Master Planning Study for Palm Beach International Airport (PBIA). This plan outlines the PBIA Future Airport Layout Plan (ALP) through Year 2013/2025 to accommodate projected aviation demands by undertaking capital improvements that optimize the existing airfield and related out-parcels. In order to accommodate these improvements, ADA prepared a Stormwater Management Master Plan (SMMP) defining the drainage and stormwater management facilities needed and insuring compliance with the current stormwater and environmental regulatory requirements of the governing authorities. ADA developed and analyzed the existing and proposed stormwater management systems utilizing the Interconnected Channel and Pond Routing (ICPR), Version 3, hydrologic/hydraulic software model package.

Three of the five proposed outfalls for PBIA discharge into the Stub Canal Basin. Since this basin is currently subject to comprehensive flood mitigation analysis by a stakeholder group known as the Stub Canal Task Force, it was important to determine the upstream impacts of the proposed improvements. Therefore, ADA merged the existing and proposed condition PBIA ICPR models with a publicly available Stub Canal ICPR model. The merged models allowed ADA to evaluate potential impacts of the proposed PBIA system on existing flood protection in the Stub Canal Basin. The resulting SMMP document is being used by ADA as the basis for the DOA's Environmental Resources Permit (ERP) application to the South Florida Water Management District.

- Developing stormwater management master plans for international airports.
- Hydrologic/hydraulic modeling of airport related stormwater management and drainage systems.
- Developing opinion of probable construction cost and schedules for airport related stormwater management systems.
- Understanding of FAA stormwater and drainage criteria.
- Combining regional hydrologic/hydraulic models with airport related models.
- Stormwater and environmental permitting of airport stormwater and drainage systems.



**MIAMI-DADE COUNTY – OFFICE OF CAPITAL IMPROVEMENTS (OCI)
OCI FORM 6 – E&Q: PRIME-CONSULTANT EXPERIENCE & QUALIFICATIONS**

Pursuant to Section 1.2 of the NTPC,

please complete the information requested below to indicate the Prime Consultant's experience and qualifications.

Respondent will adhere to the timeframe and reference quantity as denoted in the NTPC.

Reference Project Name/Address: City of Lauderhill Comprehensive Stormwater Management Plan Update / City of Lauderhill, FL

Name(s) and role(s) of Prime Consultant personnel working on this reference project: Alberto D. Argudin, PE, CGC (Principal-in-Charge / Quality Control); Alex Vazquez, PE (Project Manager); Luis Silva, EI (Modeling); Misael Ramirez (CADD Technician)

Reference Project Description: Update Stormwater Master Plan for City of Lauderhill

Scope of Services Provided: Master Plan Evaluation; Stormwater Management update; Hydrologic / Hydraulic Modeling using ICPR

Professional Fees: \$ 117,000.00

Project Start Date: 8/2002

Project Completion Date: 2/2004

Project Construction Cost: \$ N/A

Construction Start Date: N/A

Construction Completion Date: N/A

Reference Company Name: City of Lauderhill

Reference Name: Charlie Cuyler

Reference Phone Number: 954-730-4230 Fax Number: 954-730-4241 E-mail: ccuyler@lauderhill-fl.us

Please denote which Experience/Qualification(s) is/are being met with this reference: 1.

(NOTE: Experience/Qualifications are not synonymous with technical certification categories.)

Prime Consultant may use the space below to expand on the scope of services provided for this project:

A.D.A. Engineering, Inc. (ADA) was retained by the City of Lauderhill to provide miscellaneous drainage, water resources and civil engineering services for the entire City. Services have included stormwater management planning, design, permitting, and construction management services. Under this contract ADA revised and updated the City's Comprehensive Stormwater Management Plan to incorporate updated stormwater infrastructure data, stormwater projects constructed after the development of the master plan, and new land uses.

As part of the revision of the stormwater master plan, ADA re-evaluated the recommendation in the prior plan to construct two new stormwater pump stations. The pump stations were proposed for Basins B and C, which make up 1,591 acres of the 4,480 acres encompassed by the City's five major drainage basins in north central Broward County. ADA revised the Interconnected Pond Routing (ICPR) model developed by another consultant to analyze the existing and proposed drainage systems for Basins B and C, which discharge to the C-12 Canal. The re-evaluation of Basin B resulted in the confirmation that a pump station was needed to improve the performance of the stormwater conveyance system and meet the minimum finished floor elevation criteria. However, a 44,000 gallons per minute (gpm) pump station was recommended instead of a 46,000 gpm pump station as originally proposed in order to meet the peak allowable criteria set forth by the SFWMD. ADA also prepared and obtained the required SFWMD ERP and associated Broward County Stormwater Management Licenses for the construction of these pump stations.

The existing Comprehensive Stormwater Management Plan recommended a 53,000 gpm pump station to replace two 60-inch gravity gated control structures for Basin C. After the analysis of the existing gated control structures and proposed pump station, it was determined that the existing gated control structures yielded lower peak stages and higher allowable discharge. Therefore, it was recommended that the existing gates be automated and linked to the City's telemetry system instead of construction of the pump station. This recommendation saved the City over \$2,000,000 in capital costs.



**MIAMI-DADE COUNTY – OFFICE OF CAPITAL IMPROVEMENTS (OCI)
OCI FORM 6 – E&Q: PRIME-CONSULTANT EXPERIENCE & QUALIFICATIONS**

Pursuant to Section 1.2 of the NTPC,
please complete the information requested below to indicate the Prime Consultant's experience and qualifications.
Respondent will adhere to the timeframe and reference quantity as denoted in the NTPC.

Reference Project Name/Address: C-6 Basin Stormwater Management Master Plan / Miami-Dade County, FL

Name(s) and role(s) of Prime Consultant personnel working on this reference project: Alberto D. Argudin, PE, CGC (Principal-in-Charge); Alex Vazquez, PE (Project Manager, H/H Modeling); Cesar Borges, PE (Design / Preparation of Studies & Reports)

Reference Project Description: Development of a Stormwater Master Plan for the C-6 Basin

Scope of Services Provided: Hydrologic, Hydraulic & Water Quality Modeling using XP-SWMM & Develop a Stormwater Master Plan Report

Professional Fees: \$ 206,383.00

Project Start Date: 5/2003

Project Completion Date: 6/2006

Project Construction Cost: \$ N/A

Construction Start Date: N/A

Construction Completion Date: N/A

Reference Company Name: Miami-Dade County DERM

Reference Name: Victor Martin

Reference Phone Number: 305-372-6992 Fax Number: 305-372-6460 E-mail: martiv@miamidade.gov

Please denote which Experience/Qualification(s) is/are being met with this reference: 1

(NOTE: Experience/Qualifications are not synonymous with technical certification categories.)

Prime Consultant may use the space below to expand on the scope of services provided for this project:

The C-6 Basin (Miami River Basin) encompasses the northern half of the Miami International Airport and is approximately 70 square miles. The other portion of the airport discharge to the C-4 canal that ultimately discharges into the C-6 downstream of the S-25 content structure. The C-4 was a boundary condition to the C-6 Master Plan. A.D.A. Engineering, Inc. (ADA) assisted DERM in developing the Miami-Dade County watershed C-6 Basin Stormwater Management Master Plan. The stormwater management master plan identified the main water quantity and quality problems and implemented strategies for reducing existing impacts. The plan also estimated the effects of existing and future land-uses on flood protection and water quality, and identified infrastructure and management strategies to accommodate those uses. As part of this project, ADA was involved in performing the following activities:

- Review and perform statistical analysis of rainfall and flow data within the C-6 Basin.
- Compile and provide the County with drainage basin information from the cities.
- Prepare surface contour maps from electronic based files provided by the County.
- Delineate sub-basins within C-6 Basin.
- Construct, calibrate and verify a XP-SWMM hydrologic and hydraulic model of the C-6 Basin.
- Construct, calibrate and verify a XP-SWMM water quality model of the C-6 Basin.
- Perform hydrologic, hydraulic and water quality modeling for existing and future conditions without control measures (improvement alternatives) using XP-SWMM model.
- Identify, rank, and prioritize stormwater problem areas within the C-6 Basin.
- The ranking and prioritization of the problem areas identified in this scope of services lead to the identification of stormwater control measure, to assure that high-priority stormwater problem areas in the C-6 Basin are addressed.
- Evaluate control measures for flood and pollutant control.
- Perform hydrologic, hydraulic and water quality modeling using XP-SWMM for future condition with control measures (improvement alternatives).
- Prepare Stormwater Management Master Plan Report for the C-6 Basin including a a five-year capital improvement program that identifies schedule and planning cost estimates to implement capital infrastructure improvement projects that address the high-priority flooding and stormwater quality problems within the basin.

Walters, Vivian (SBD)

From: Griffith, Rudolph (SBD)
Sent: Tuesday, October 04, 2011 9:16 AM
To: Walters, Vivian (SBD)
Subject: FW: Fax server S0150001 received a new fax from 13055518977.
Attachments: FAX.TIF

Viv,
I suppose this is for you not me.

-----Original Message-----

From: Prophete, Yvon (SBD) On Behalf Of Fax (SBD)
Sent: Tuesday, October 04, 2011 8:52 AM
To: Griffith, Rudolph (SBD)
Subject: FW: Fax server S0150001 received a new fax from 13055518977.

-----Original Message-----

From: sbdfax@miamidade.gov [<mailto:sbdfax@miamidade.gov>]
Sent: Tuesday, October 04, 2011 8:49 AM
To: Fax (SBD)
Subject: Fax server S0150001 received a new fax from 13055518977.

Sender: 13055518977

Caller ID:
Recipient name: Fax
Pages: 6
Transmission start time: 8:45:23 AM
Transmission duration: 0:03:38
Device name: MultiTech Systems MT5634SMI-V92 #4

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: Stormwater Master Plan

E11-MDAD-02

CONTRACT ESTIMATED AMOUNT: \$1,500,000.00

CRT & ASSOCIATES, INC.

NAME OF COMMUNITY BUSINESS ENTERPRISE

Certification Expires: 02-29-2012
DATE

7220 NW 36TH ST. #408 MIAMI, FL 33166
ADDRESS CITY ZIP CODE

Telephone: 786-331-7370 X304 Bonding Capacity: N/A

MARC A. FERMANIAN, P.E. - PRESIDENT
PRINT NAME AND TITLE


SIGNATURE OF COMPANY REPRESENTATIVE

10/03/2011
DATE

REVISED 10/11/94

DESCRIPTION OF PROJECT**Project Title:** Stormwater Master Plan**Project Number:** E11-MDAD-02**Department:** MDAD**Estimated Cost:** \$1,500,000.00**Technical Categories:**

TC No.	Description	Percentage	Amount
4.01	Aviation Sys-Engineering Design (Prime)	10%	\$150,000
10.01	Environmental Engineering - Stormwater Drainage Design Eng. Service (Prime)	75%	\$1,125,000
16.00	General Civil Engineering (Prime)	10%	\$150,000
15.01	Surveying and Mapping – Land Surveying	5%	\$75,000.00
Total Estimated Design Fees		100%	\$1,500,000.00

Overall Project Description

The scope of work for Utility Master Plan is primarily accomplished by a single discipline; in this case, the drainage or stormwater branch of Civil Engineering. The consultant will be required to use specific software and base planning, analysis and recommendations from the output of the software. Decoupling any of these components creates inefficiency in the project. Data gathering and as-built verification in the form of surveying and mapping was the scope of work best suited for sub-consulting.

The prime consultant for this project must be certified in 4.01, 10.01, and 16.00, (all three technical categories). The primary objective for this project is to update the existing Drainage Master Plan at Miami International Airport. Secondary objectives include the updates of the Drainage Master Plan at Opa-Locka and Kendall-Tamiami Airports. *The consultant must be familiar with local and federal requirements mandated in such facilities* (thus the requirement of the 4.01 – Aviation Systems – Engineering Design certification).

Do you have prior (airport) experience satisfying the above stated? Yes ☒ No ☐

The 10.01 – Environmental Engineering – Stormwater Drainage Design Engineering Services certification is necessary as this is the primary scope of work. The 16.00 – General Civil Engineering certification is necessary to cover ancillary topics such as utilities, roadway and maintenance of traffic design which affect the planning of new drainage infrastructure.

Do you have prior (airport) experience satisfying the above stated? Yes ☒ No ☐

***Minimum Requirements**

- Prime must be certified in 4.01, 10.01 and 16.00.

The prime must demonstrate a minimum of ten (10) years of experience from the submittal date, in developing and maintaining drainage master plans and associated computer model (SWMM and XP SWMM) in airport and municipal storm water management systems of equal size and complexity as Miami International Airport (MIA stormwater drainage system has four (4) watersheds and five (5) outfalls that include over sixty (60) miles of drainage pipe (ranging in sizes from 24" to 96") and more than two-thousand (2000) structures.

Do you have prior experience satisfying the above requirements? 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**



**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

CATEGORY NO:	CATEGORY DESCRIPTION	APPROVAL DATE	EXPIRATION DATE
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

Opa-Locka Airport Pavement Reconstruction and Drainage Improvements – Design Services Opa-Locka Airport (OPF)

Project Experience

Project Location:

Opa-Locka Airport
Miami-Dade County, FL

Client/Project Owner:

Miami-Dade Aviation Department (MDAD)
Mr. Ernesto Beltré, P.E., Chief Engineer
[P] (305) 876-0787
[E] ebeltr@miami-airport.com

Completion Date:

Design Completed: June 2003

Estimated Cost of Construction:

\$ 453,000

Project Description:

The Project was a drainage improvement effort designed for Opa-Locka Airport where airside apron ponding was occurring; the design intent was to alleviate localized stormwater ponding that has burdened the project area for several years; the existing system was at least 30 years old and was comprised of small-sized culverts (i.e., 8" ~ 10" pipes). The existing concrete apron was initially observed in poor condition with significant degradation and severe cracking.

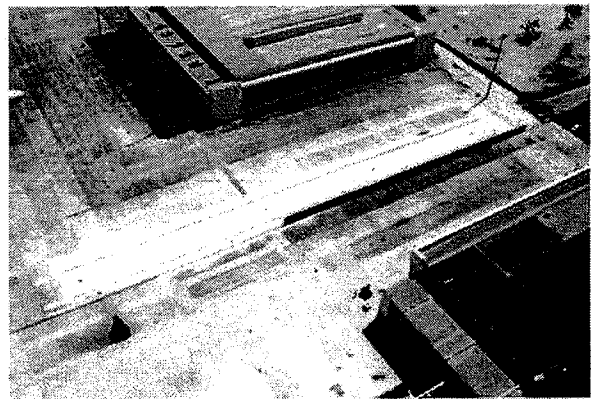


Above Photos depicted the conditions of the prior Existing Conditions of Opa-Locka Apron (May 2003)

Design

The design consisted of implementing a closed-conduit system comprised of 18 inch RCP and modifications to the concrete apron, as follows:

- Seven new drainage structures (six inlets and one manhole)
- 860 linear feet of 18-inch diameter RCP
- The removal of existing inlets and piping
- Tie-in connection to the Airport's existing stormwater pipe network
- 2,180 SY of 10" Thick Concrete Apron Repairs
- Re-Installation of Monitoring Wells
- Installation of Aircraft Tie-Downs
- Stockpiling & Testing of 'Suspected' Material (P160).
- Airside Pavement markings



Marks Brothers Construction

OPF AOA Pavement Recon
& Drainage Improvements #1105A

Price #40810271
Date 06/10/04
Aerial Photography, Inc. 800-761-6434

Final Constructed Project June 2004

Key Personnel:

Marc A. Fermanian, P.E.

Drainage Engineer



CRJ & Associates, Inc.

Consulting Engineers and Planners

PBC-DOA - Palm Beach County Park Airport (Lantana)
Runway 9-27 Improvements – Width Reduction
Stormwater Design and Permitting Services

Project Experience

Project Location:

North Palm Beach Co. Airport
Palm Beach County, FL

Client/Project Owner:

Palm Beach County
Department of Airports
Jerry Allen – Director of Planning
(561) 471-7423

Completion Date:

July 2003

Estimated Cost:

Engineering Fees: \$35,000

Project Description:

Palm Beach County – Department of Airport's (PBC-DOA) continued Aviation Development of the Palm Beach County Park Airport (Lantana Airport) warranted repairs to its existing Runway 9-27 that involved a width reduction of the runway. CRJ's specific role included engineering design for Construction Plans development involving stormwater and the submittal of the Environmental Resource Permit (ERP) application to SFWMD in pursuit of the District's approval for constructing the first phase of aviation development improvements within the noted 32.20 Acres representing the vicinity of the Airport's southern runway, Runway 9-27. In specific, the first phase, and the consideration of a subsequent phase, of development was as follows:

Phase I

- Runway 9-27 width reduction from 150 ft to 75 ft (i.e., pavement removal)
- Creation of a new 35ft wide taxiway, Taxiway 'R,' which parallels Runway 9-27 to the south.
- Improvements resulted in a net reduction of 2.61 Acres of Asphalt for Project

Phase II (Future Development)

- Future Apron Expansion (additional width of +/- 55 ft)

As indicated above, Phase I development produced a reduction of impervious area (-2.61 Acres). In order to assure that water quality provisions for the Airport are upheld, Runway 9-27 width reduction from 150 ft to 75 ft called for the removal of asphalt in lieu of simply re-striping the runway (i.e., utilizing chevrons); the removal of asphalt was evaluated as costly expense in lieu of restriping the existing asphalt; however, to further enhance the Airport's usefulness and minimize unnecessary impervious areas left dormant at the Airport, PBC-DOA, with approval of the Federal Aviation Administration (FAA), selected to remove half of the unused runway in order to create other improvements such as the Parallel Taxiway and the future Apron Expansion (Phase II). In doing so, the new infield areas, proposed for sodding, will provide stormwater runoff with dry pre-treatment before entering into the Master Stormwater System. It is duly noted that CRJ's engineers conducted the hydrologic / hydraulic modeling and calculations had considered the future Phase II - Apron Expansion (i.e. Ultimate Conditions). This was done to insure that CRJ's proposed culvert system, as well as the infield storage, would have the capacity for the Phase II project. CRJ's concept and permitting efforts were a success.



Personnel:

Marc A. Fermanian, P.E.

Project Manager



CRJ & Associates, Inc.

Consulting Engineers and Planners

Project Experience

Palm Beach County
Department of Airports
Jerry Allen – Director of Planning
(561) 471-7423

Construction Cost:
Approximately \$1,800,000

Consulting Engineers and Planners

**PBC-DOA - North Palm Beach County General Aviation Airport
North County T-Hangar Development (III-01-DOA-L-002-002)
Stormwater Design and Permitting Services**

Project Experience

Project Location: North Palm Beach Co. Airport Palm Beach County, FL		Client/Project Owner: Palm Beach County Department of Airports Jerry Allen – Director of Planning (561) 471-7423
Completion Date: May 2004	Estimated Cost: Engineering Fees: \$45,000 Construction Fees: \$2.2Million	

Project Description:

In providing stormwater design services to Palm Beach County Department of Airports (PBC-DOA), CRJ's staff was the engineer of record for modifications to the existing SFWMD Permit for North County Airport (SFWMD Permit No. 50-02617-S). Our efforts were to process two similar T-Hangar site development efforts (Basin A and Basin B) as one distinct SFWMD permitting effort. This process warranted diligent research of the existing permit files and negotiation with SFWMD engineering and environmental staff.

Permitting Background Research:

The site design for the T-Hangar development was prepared on the basis of the Airport's current Conceptual Permit Modifications issued by SFWMD on April 11, 1996 (conceptual modification permit 50-02617-S). The April 1996 modification was a Construction and Operation Approval from the Governing Board of the District that allowed PBC-DOA the ability to modify their stormwater management system for the East Basin. The modifications were made by constructing two control structures (Structure No. 1 and No. 2) within Preserve Area 'B' to control discharge off-site and by constructing a control structure (Water Quality Control Structure) within the Airport's canal system to provide the required future water quality treatment prior to discharging into the Preserve. Through the implementation of these structures within the East Basin of the Airport, further Aviation Development within the Basin can be pursued.

With the above information researched thoroughly by CRJ Staff, the T-Hangar development was considered concurrent with the approved Palm Beach County DRI filed on February 22, 1990 for North Palm Beach County General Aviation Airport. The T-Hangar development was classified as part of Phase III of the DRI and located within the East Basin. The development was duly noted as being considered in the original 1991 Master Plan and development was deemed permittable by SFWMD / ACOE. Through CRJ's efforts in working with SFWMD, we posed the case that the T-Hangar development was indicated within the current SFWMD permits and the original and updated Airport Master Plan, with a determination of "no significant impacts" to the existing drainage system.

North County T-Hangars Under Construction in January 2003



Personnel:

Marc A. Fermanian, P.E.

Project Manager



CRJ & Associates, Inc.

Consulting Engineers and Planners

PBIA-SFWMD Stormwater Design and Permitting Golfview Canal

Project Experience

Project Location:

Palm Beach International Airport,
West Palm Beach, Florida

Client/Project Owner:

Palm Beach County
Department of Airports
Jerry Allen – Director of Planning
(561) 471-7423

Completion Date:

June 2004

Estimated Cost:

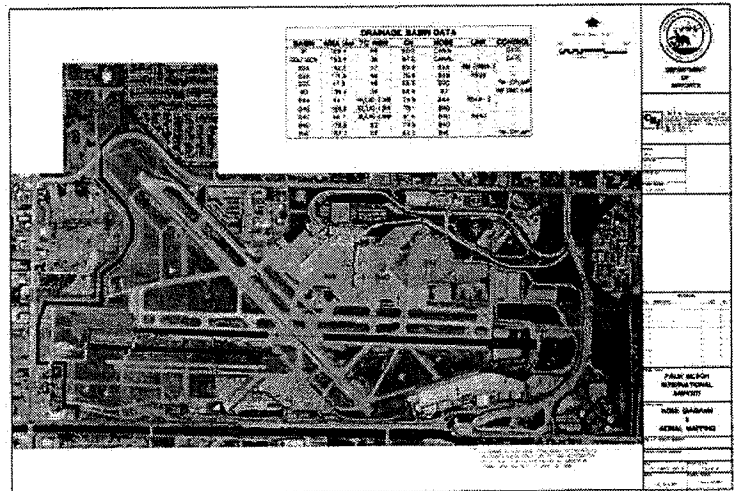
Construction Cost: \$4,000,000

Project Description:

From 1999 to 2003, PBC-DOA has relied upon our Staff for technical expertise in assisting with their efforts in relocating the existing Palm Beach International Airport's West Canal (a.k.a. the "Golfview Canal").

CRJ's Staff has been involved with this Project since inception, and throughout all phases of design and permitting – this project has been an incredible stormwater design and permitting challenge. CRJ staff was required to provide all engineering information to assist the PBC-DOA in amending their existing South Florida Water Management District (SFWMD) Permit.

PBIA's Master Drainage Plan



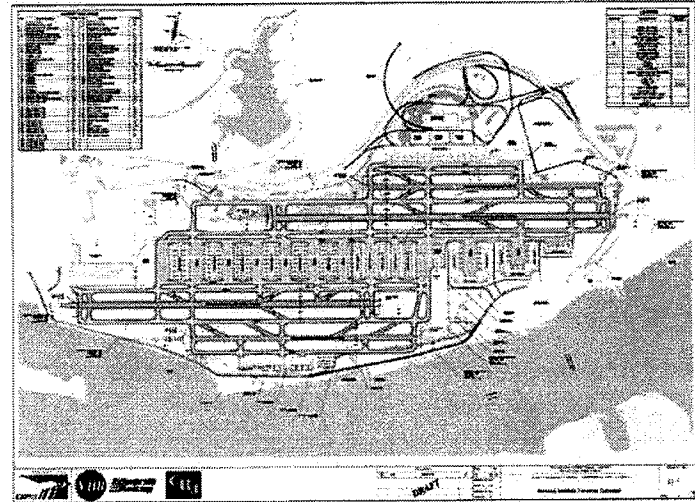
**Philadelphia International Airport Capacity Enhancement
Program (CEP) Environmental Impact Statement (EIS)
Phase II Services – GRADING & DRAINAGE DESIGN**

Project Experience

Project Location: Philadelphia International Airport		Client/Project Owner: City of Philadelphia Prime Contractor Vanasse Hangen Brustlin, Inc. Marla Engel, Senior Project Manager (617) 924-1770
Completion Date: August 2006 <i>Modeling Documents & Reports Finalized</i>	Estimated Cost: \$14Million (consulting fees)	

Project Description:

In providing the necessary provisions of the National Environmental Policy Act of 1969 (NEPA) Process, and in conjunction with Federal Agencies pursuing large-scale projects, the United States Environmental Protection Agency (EPA) warrants Federal Agencies, in this case the Federal Aviation Administration (FAA), to prepare an extensive and detailed analyses of any of their actions that significantly affect the quality of the environment – however, large or small. Environmental impact statements (EIS's) are the result of this requirement.



CRJ & Associates, Inc. has worked extensively on the **Grading and Drainage** efforts for the proposed future Capacity Enhancement Program Environmental Impact Statement (CEP-EIS) warranted at Philadelphia International Airport (PHL). The Engineering Master Plan process has been a massive effort which has involved several consulting firms throughout the Nation – CRJ & Associates, Inc. has been a critical element in providing grading and drainage design for three proposed alternatives for the EIS Process. CRJ has taken the lead role in providing stormwater master plan layouts for the alternatives as well as preparing airside grading plans for the proposed Airport scheme. In short, our efforts have warranted grading of hundreds of acres of Airside & Landside areas and design of over 100 miles of stormwater culvert networks for the 3,000 Acre Airport.

This has been a challenging task, involving detailed coordination with all design engineers / consultants involved (i.e., structural, transportation, environmental, biologists, etc.). The tentative construction scheduled has been set for 2025 with an approximated Construction Budget of \$5Billion.

Key Individuals:

Marc A. Fermanian, P.E.	Senior Project Manager
Carlos Ortega, E.I.	Staff Engineer



CRJ & Associates, Inc.

Consulting Engineers and Planners

Walters, Vivian (SBD)

From: Marc A. Fermanian [mfermanian@crjassociates.com]
Sent: Tuesday, October 04, 2011 11:18 AM
To: Walters, Vivian (SBD)
Subject: CRJ Response - VERIFICATION OF AVAILABILITY E11-MDAD-02
Attachments: SBD CRJ Response E11-MDAD-02 (maf 10-03-2011).pdf

<<...>>

Mr. Walters (Miami-Dade Co. Contract Development Specialist 2):

On behalf of CRJ & ASSOCIATES, INC. and with the enclosed documentation, CRJ's Staff is quite familiar and comfortable with large-scale stormwater modeling efforts for Airports. Thank you for calling me directly on this matter. As you'll notice, the information from your office came in on Saturday October 1st 2011, and it had inadvertently fallen behind the fax machine. None-the-less, the enclosed is supplied to Miami-Dade County to demonstrate our genuine interest and abilities in this Project.

Best regards,

CRJ & ASSOCIATES, INC.

Marc A. Fermanian, P.E. – President

7220 NW 36th Street, Suite 408

Miami, FL 33166

[P] 786.331.7470 X 304

[F] 786.331.7371

[E] mfermanian@crjassociates.com

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: Stormwater Master Plan

E11-MDAD-02

CONTRACT ESTIMATED AMOUNT: \$1,500,000.00

Rodolfo Ibarra PE PA	Certification Expires: 02/29/2012
NAME OF COMMUNITY BUSINESS ENTERPRISE	DATE
9310 SW 69 St	Miami 33173
ADDRESS	CITY ZIP CODE

Telephone: 305-281-8746 Bonding Capacity: N/A

Rodolfo Ibarra President	
PRINT NAME AND TITLE	
Rodolfo Ibarra	10/03/2011
<small>Digitally signed by Rodolfo Ibarra DN: cn=Rodolfo Ibarra, o=Rodolfo Ibarra PE PA, ou, email=rudyeng@bellsouth.net, c=US Date: 2011.10.03 19:23:30 -04'00'</small>	
SIGNATURE OF COMPANY REPRESENTATIVE	DATE

DESCRIPTION OF PROJECT

Project Title: Stormwater Master Plan

Project Number: E11-MDAD-02

Department: MDAD

Estimated Cost: \$1,500,000.00

Technical Categories:

TC No.	Description	Percentage	Amount
4.01	Aviation Sys-Engineering Design (Prime)	10%	\$150,000
10.01	Environmental Engineering - Stormwater Drainage Design Eng. Service (Prime)	75%	\$1,125,000
16.00	General Civil Engineering (Prime)	10%	\$150,000
15.01	Surveying and Mapping – Land Surveying	5%	\$75,000.00
Total Estimated Design Fees		100%	\$1,500,000.00

Overall Project Description

The scope of work for Utility Master Plan is primarily accomplished by a single discipline; in this case, the drainage or stormwater branch of Civil Engineering. The consultant will be required to use specific software and base planning, analysis and recommendations from the output of the software. Decoupling any of these components creates inefficiency in the project. Data gathering and as-built verification in the form of surveying and mapping was the scope of work best suited for sub-consulting.

The prime consultant for this project must be certified in 4.01, 10.01, and 16.00, (all three technical categories). The primary objective for this project is to update the existing Drainage Master Plan at Miami International Airport. Secondary objectives include the updates of the Drainage Master Plan at Opa-Locka and Kendall-Tamiami Airports. ***The consultant must be familiar with local and federal requirements mandated in such facilities*** (thus the requirement of the 4.01 – Aviation Systems – Engineering Design certification).

Do you have prior (airport) experience satisfying the above stated? Yes X No

The 10.01 – Environmental Engineering – Stormwater Drainage Design Engineering Services certification is necessary as this is the primary scope of work. The 16.00 – General Civil Engineering certification is necessary to cover ancillary topics such as utilities, roadway and maintenance of traffic design which affect the planning of new drainage infrastructure.

Do you have prior (airport) experience satisfying the above stated? Yes ☒ No ☐

***Minimum Requirements**

- Prime must be certified in 4.01, 10.01 and 16.00.

The prime must demonstrate a minimum of ten (10) years of experience from the submittal date, in developing and maintaining drainage master plans and associated computer model (SWMM and XP SWMM) in airport and municipal storm water management systems of equal size and complexity as Miami International Airport (MIA stormwater drainage system has four (4) watersheds and five (5) outfalls that include over sixty (60) miles of drainage pipe (ranging in sizes from 24” to 96”) and more than two-thousand (2000) structures.

Do you have prior experience satisfying the above requirements? 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**



Rodolfo Ibarra

9310 SW 69 Street Miami, Florida 33173
Tel 305.281.8746 PE 45901

rudying@bellsouth.net

EDUCATION

BS/1987/Civil Engineering/Florida International University
PE/Civil Engineering/Florida PE 45901 EB 7820

Extensive experience in general Civil engineering projects. Including Airport design, environmental engineering, Stormwater design and project management. Responsible for the development of construction documents for projects encompassing roadway design, stormwater conveyance, geometry, pavement markings, water distribution and sewage collection, paving & grading, and permitting. Itemized below is a short list of projects completed.

PROJECT EXPERIENCE:

Miami-Dade Expressway Authority (MDX), General Engineering, Miami, FL 2006-2009

This project entails providing MDX with a wide range of engineering, planning, design, environmental, management, right-of-way, technical and administrative services on an as-needed basis. Provided administrative services to date.



Metro Rail East West Corridor SDEIS/FEIS/PE Miami, FL 2006

The project required the development of Preliminary Engineering documents for a 10 mile long rail transit corridor study running through the heart of Miami-Dade County. The scope of services included environmental, utility and Stormwater master plan analysis for the entire alignment.



Including impacts to existing roadways and drainage basins.

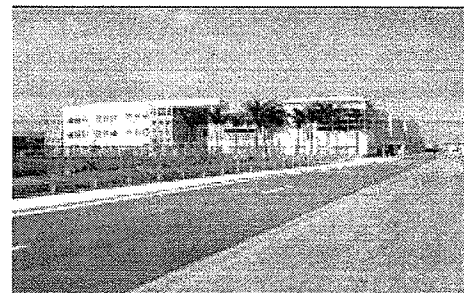
MIA Runway 8R-26L Pavement Rehabilitation

Assist in the design of an active runway including site geometry, stormwater and environmental design, paving and grading plan and sections. Provided quality control review and general engineering support. Construction inspection services.



State school P-1 Civil engineering Services

Provided comprehensive stormwater drainage design and environmental engineering design and permitting. Provided project management support and inspection services. Project consisted of a new public school on an environmentally sensitive drainage basin. Designed new roadways. Water distribution and sewage collection systems. Developed



pavement markings and signalization.

Northwest Cargo Area Miami International Airport

Extensive environmental design and clean up of a severely contaminated section of the airport. Design of remediation system in joint venture w/ OHM remediation systems. Several miles of water main and force main design. In addition special pavement details and structural boxes and hatches were designed to meet aircraft loadings. Design site geometry, paving and grading plan, Design miles of underground water treatment lines and drainage pipes for land side and airside project.

MIA Pavement Rehabilitation. Additional taxiway "M" improvements

Assist in the design of an active Taxiway and connectors to the original runway 8R-26L improvements. including site geometry, stormwater and environmental design, paving and grading plan and sections. Provided quality control review and general engineering support. Construction inspection services

Homestead Air Reserve Base

Analyzed and developed models for realignment of the overall base. Developed projected build outs and densities. Used this information to design water and sewer systems. Developed specifications and details for future civil engineering improvements. Developed utility corridors and access roads.

MIA Tract One pavement Improvements

Reconstruction of a portion of tract one pavement section. Including paving grading and drainage design. Modification of elevations to mitigate flooding problems. Design of new drainage conveyance and disposal system.

Miami Dade County

FEMA/DORM Drainage and Roadway Restoration Projects

General civil engineering design services and environmental design of stormwater systems for over ten miles of existing county roadways located trough out the county. Scope included roadway reconstruction, milling & resurfacing and flood mitigation and conflict resolution. Some of the roadways are listed below:

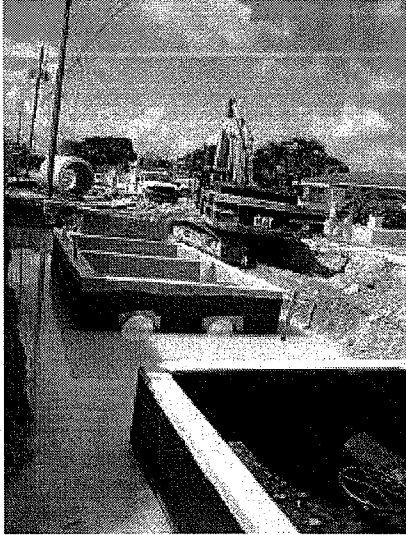
SW 73 ST FROM 143 AVE – 142 CT
SW 141 AVE FROM SW 79 ST-SW 80 ST
SW 138 CT FROM SW 74 TERR-KENDALL LAKES BLVD
SW 140 AVE FROM SW 75 ST-SW 83 ST
SW 139 CT FROM 74 TERR TO SW 80 ST
SW 140 AVE FROM SW 75 ST-SW 83 ST
SW 74 ST FROM SW 137 AVE- SW 142 AVE
SW 84 ST FROM SW 137 AVE – SW 142 AVE
SW 78 ST FROM SW 140 AVE TO SW 145 AVE
SW 140 AVE FROM SW 75 ST – SW 83 ST
Kendale Lakes Blvd FROM SW 137 AVE- SW 147 AVE
Honey Hill Drive FROM NW 52 AVE – NW 57 AVE

City of Sweetwater Engineer

Extensive environmental and stormwater design for the entire



city of Sweetwater. Design, permitting and construction administration services for the city. Including developing master storm water plan to mitigate local severe flooding as a result of high ground water elevations and loss of wetlands. Developed the concept of storm water pump stations and in fact was the first city in Dade county to ever obtain a permit from SFWM and DEP to pump roadway effluent directly into surface waters. System is still in operation to this day.



Cruise Terminal 3, 4 & 5: Port of Miami, Florida

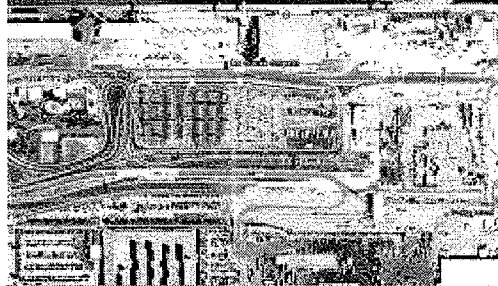
Extensive environmental and stormwater design for an 80 acre seaport terminal, including 1-1/2 miles of new roadways, parking lots, water distribution system & sewage collection system, storm collection system, pavement marking, signage & canalization. Design included 12 deep injection wells to handle water quantity for a given storm event. System was engineered to provide water quality for the first flush and subsequent overflow via control structures during a 25 yr storm event. Developed environmental resource permit.



Seaboard Marine Container Yard: Port of Miami, Florida

Extensive environmental and stormwater design services for a very large industrial site, including civil design for new roadways, markings, parking lots, water, sewer, storm water design and permitting. This site was re-designed as a heavy industrial container yard, including structural pavement and storm water structures. Design minimized effluent run off into the bay by utilizing catch basins with pollution retardant baffles connected to ten class five drainage wells. Developed environmental resource permit (authorization to use state owned submerged lands/federal dredge and fill permit)

Designed water distribution system & sewage collection system. Current code requires the separation of fire and



domestic lines. Our design allows maximum flexibility to meet current fire codes including hydrant spacing around the

5001 NW 74th COURT, SUITE 201 MIAMI, FLORIDA 33155
TEL: 305-662-8887 FAX: 305-662-8858
WWW.SRS-ENG.COM 22600073



Fax transmission

To: **Vivian Walters**

From: **Ignacio Serralta**
SRS Engineering, Inc.

Tel: **305- 662-8887**

Fax: **305-662-8858**

Fax: **305-375-3160**

Date: **10/3/2011 12:12 PM**

Re: **Ralph Pereda: Request to change
banking account information**

Pages: **12, including cover page**

Comments:

Pursuant to your request, please see attached. Please contact me if you have any questions or require additional information.

Thank you,

Ignacio Serralta
305-662-8887

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: Stormwater Master Plan

E11-MDAD-02

CONTRACT ESTIMATED AMOUNT: \$1,500,000.00

SRS ENGINEERING, INC.
NAME OF COMMUNITY BUSINESS ENTERPRISE

Certification Expires: 8/31/12
DATE

5001 SW 74 CT, SUITE 201, MIAMI, FL 33155
ADDRESS CITY ZIP CODE

Telephone: 305-662-8827

Bonding Capacity: N/A

IGNACIO SERRAÑA / PRESIDENT
PRINT NAME AND TITLE

[Signature]
SIGNATURE OF COMPANY REPRESENTATIVE

10/3/11
DATE

DESCRIPTION OF PROJECT**Project Title:** Stormwater Master Plan**Project Number:** E11-MDAD-02**Department:** MDAD**Estimated Cost:** \$1,500,000.00**Technical Categories:**

TC No.	Description	Percentage	Amount
4.01	Aviation Sys-Engineering Design (Prime)	10%	\$150,000
10.01	Environmental Engineering - Stormwater Drainage Design Eng. Service (Prime)	75%	\$1,125,000
16.00	General Civil Engineering (Prime)	10%	\$150,000
15.01	Surveying and Mapping – Land Surveying	5%	\$75,000.00
Total Estimated Design Fees		100%	\$1,500,000.00

Overall Project Description

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The prime consultant for this project must be certified in 4.01, 10.01, and 16.00, (all three technical categories). The primary objective for this project is to update the existing Drainage Master Plan at Miami International Airport. Secondary objectives include the updates of the Drainage Master Plan at Opa-Locka and Kendall-Tamiami Airports. *The consultant must be familiar with local and federal requirements mandated in such facilities* (thus the requirement of the 4.01 – Aviation Systems – Engineering Design certification).

Do you have prior (airport) experience satisfying the above stated? Yes ☒ No ☐

The 10.01 - Environmental Engineering - Stormwater Drainage Design Engineering Services certification is necessary as this is the primary scope of work. The 16.00 - General Civil Engineering certification is necessary to cover ancillary topics such as utilities, roadway and maintenance of traffic design which affect the planning of new drainage infrastructure.

Do you have prior (airport) experience satisfying the above stated? Yes ☒ No ☐

***Minimum Requirements**

- Prime must be certified in 4.01, 10.01 and 16.00.

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Do you have prior experience satisfying the above requirements? 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**

RELEVANT EXPERIENCE

PROJECT NAME: Drainage Systems
Biscayne Gardens
Drainage
Improvements, Phase I,
II, & III

CLIENT'S NAME: Miami-Dade County
Department of
Environmental
Resources Management

**TYPE OF FACILITY
OR SERVICES:** Civil Engineering Design
of Area wide drainage
Improvements

**CONSTRUCTION
COST:** \$3,430,000

COMPLETION DATE: 1998

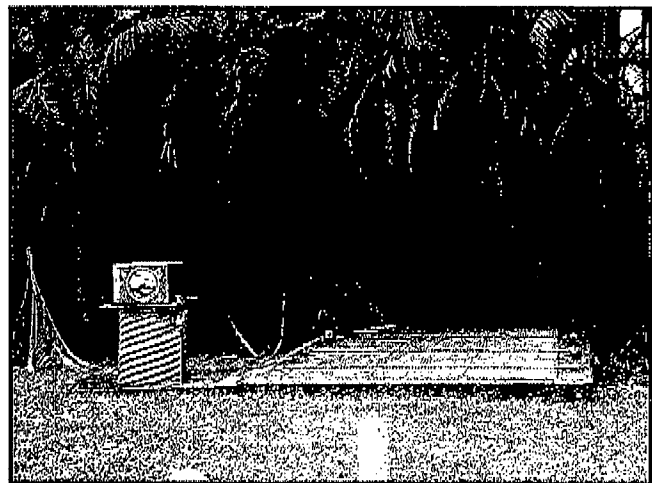
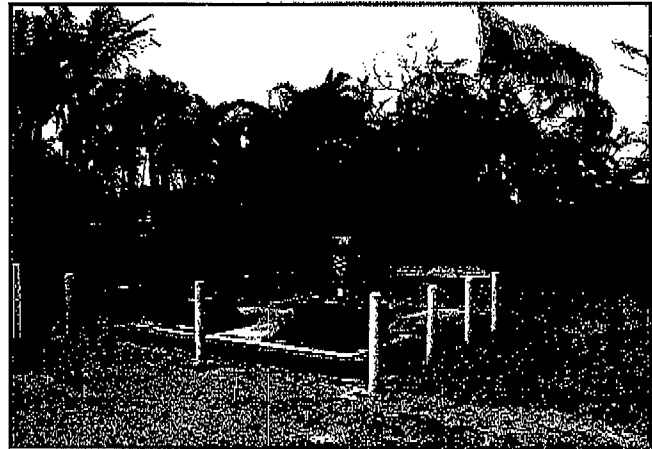
**KEY INDIVIDUALS
INVOLVED:** Ignacio Serralta, P.E.
Jean-Claude Fontaneau
Ramon Lopez

PROJECT DESCRIPTION:

Project Manager and Chief Design Engineer-In-Charge for preparation of construction documents involving the design of drainage improvements over an area of 467 acres including the construction of a 15,000 g.p.m. pump station with backup generator building, trash rack structure, two canal outlets, and a storm drain system consisting of over 14,500 linear feet of 15" to 66" drainage mainline pipe and 15,500 linear feet of exfiltration trenches.

Note:

This Project was designed by CAS Engineering with key Individuals (PM, Design Engineers) currently employed by SRS Engineering, Inc.



RELEVANT EXPERIENCE

PROJECT NAME: Blue Waters

CLIENT'S NAME: Lucky Start
12515 N. Kendall Drive,
Suite # 328
Miami, Florida 33186
Mr. Jorge Fernandez
(305) 598-0053

TYPE OF FACILITY OR SERVICES: BlueWaters
Plan Urban
Development

SRS PROJECT FEE: \$208,170.00

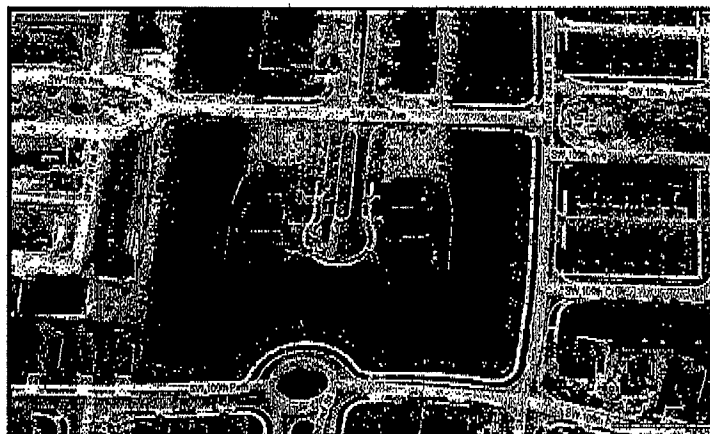
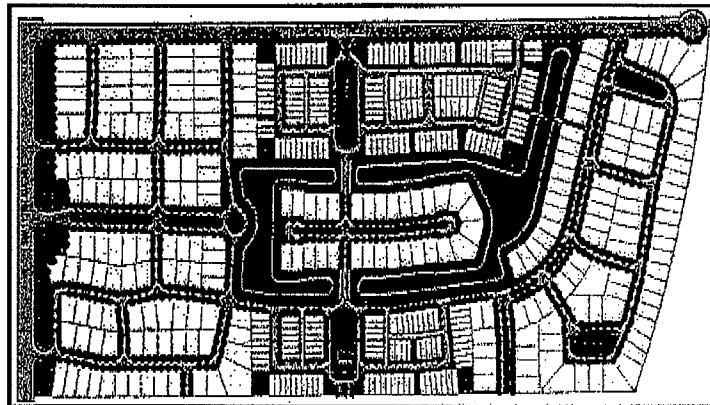
COMPLETION DATE: 5/2006

KEY INDIVIDUALS INVOLVED: Ignacio Serralta, P.E.
Oliverio Sanchez, P.E.

PROJECT DESCRIPTION:

SRS prepared all civil engineering design plans and specifications for the construction of an approximately 84-acre mix-use Single Family/Townhouse development consisting of 477 residential units, including 231 townhouses, 246 single family homes, as well as 9.2-ac lake. The project is located south of SW 240th Street between the Florida Turnpike and SW 112th Avenue in southwest Miami-Dade.

SRS services included the civil design of all on-site roadways, paving and grading, drainage and storm water management systems, water and sewer systems, design of off-site water and sewer systems and roadway improvements to adjacent portions of SW 112th Avenue and SW 240th Street. Other services included contracting and coordinating all topographical surveys and geotechnical investigations; all environmental studies including wetland mitigation reports and preparation of ERP permit.



RELEVANT EXPERIENCE

PROJECT NAME: FEMA/DORM

CLIENT'S NAME: Miami-Dade County
DERM
Mr. Dorian Valdes

TYPE OF FACILITY OR SERVICES: FEMA/DORM Project
Master Consultant

SRS PROJECT FEE: \$4,500,000

COMPLETION DATE: December 2005

KEY INDIVIDUALS INVOLVED: Ignacio Serralta, P.E.

PROJECT DESCRIPTION:

SRS has performed as a Master Consultant for this FEMA/DORM program since November of 2001. The FEMA/DORM project is a jointly funded effort supported by the Federal Government, State of Florida, and Miami-Dade County intended to mitigate problems that arose as a result of Hurricane Irene (October 1999) and the "No Name Storm" (October 2000). As a Master Consultant we are responsible for the coordination of approximately twelve (12) engineering design consultants, eight (8) geotechnical firms and nine (9) land surveying firms involved in the design of approximately four hundred ninety (490) mitigation projects. These projects range from drainage improvements to total roadway reconstruction, canal dredging, culvert cleaning, and canal bank restoration. Additionally, we oversee the construction efforts of nine (9) contractors performing work with an estimated construction value of \$35,000,000.00. Finally we are responsible for all document control related to these projects, approval of payment for design, survey, geotechnical reports, and construction in accordance with FEMA required guidelines.



RELEVANT EXPERIENCE

PROJECT NAME: Friedland Manor
Drainage Systems
Improvements and
Retention Area

CLIENT'S NAME: City of Florida City
Mr. Pedro Gonzalez, PE

**TYPE OF FACILITY
OR SERVICES:** Civil Engineering Design
of drainage pipeline and
retention area

SRS PROJECT FEE: \$37,500.00

COMPLETION DATE: 2009

**KEY INDIVIDUALS
INVOLVED:** Ignacio Serralta, P.E.
Oliverio Sánchez, P.E.
Jean-Claude Fontaneau
Marilys Falcon

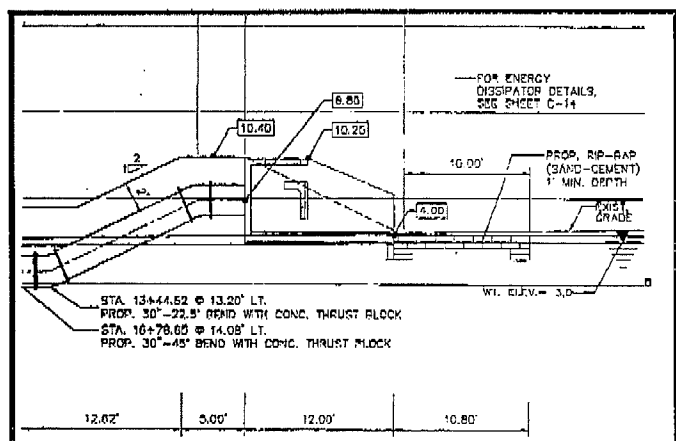
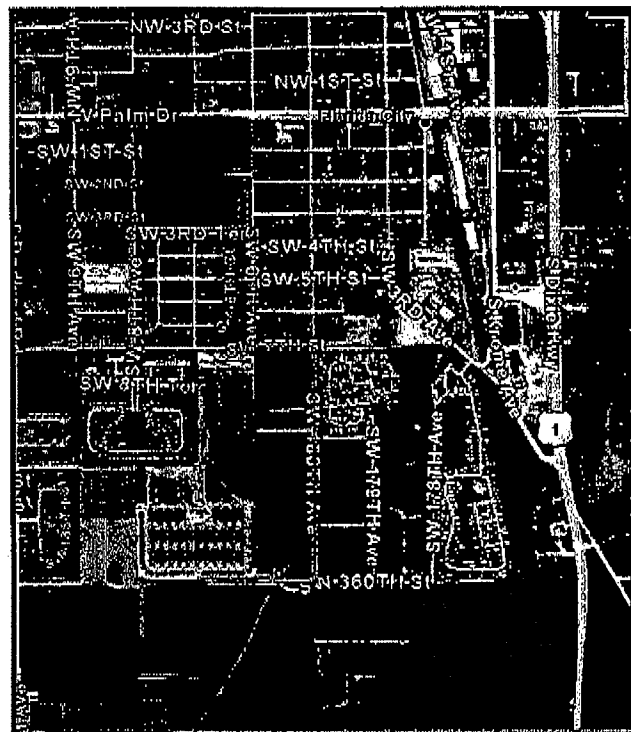
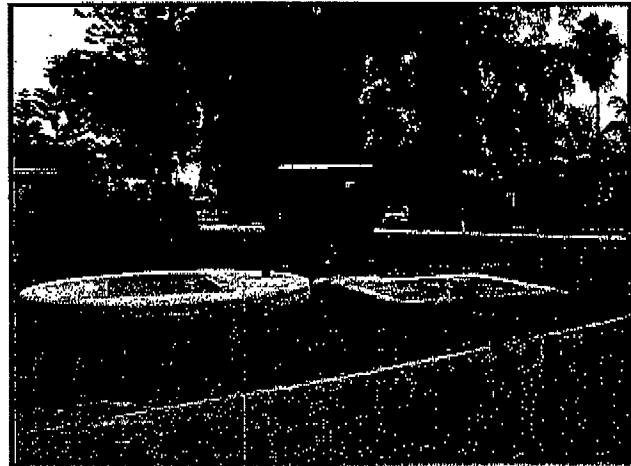
PROJECT DESCRIPTION:

The purpose of this project was to provide storm water retention for the drainage relief system of the Friedland Manor neighborhood in Florida City. The proposed retention area is connected to an existing pumping system inside the Friedland Manor area via a 30" diameter storm sewer pipe.

SRS conducted the storm water conveyance and retention basin modeling, prepare construction documents and assisted the City in obtaining environmental permits for the Project.

The project included the design of a 10-acre dry retention basin, inlet structure with energy dissipation features, a water level control devise with wireless remote pump controls and solar/battery capabilities, and seepage trenches for storm water relief. In addition 1,200 LF of 30" diameter storm sewer pipe and 2,180 LF of unpaved access road were designed for this project.

The Project was permitted through South Florida Water Management District and Miami-Dade County D.E.R.M. in conjunction with the City of Florida City.



RELEVANT EXPERIENCE

PROJECT NAME: Kendall Commons

CLIENT'S NAME: EH/Transeastern Homes
Mr. John Evasius

**TYPE OF FACILITY
OR SERVICES:** Kendall Commons
Plan Urban
Development

SRS PROJECT FEE: \$500,000

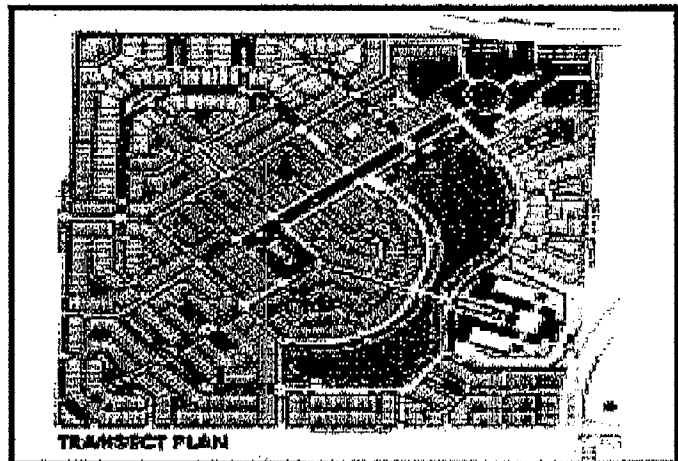
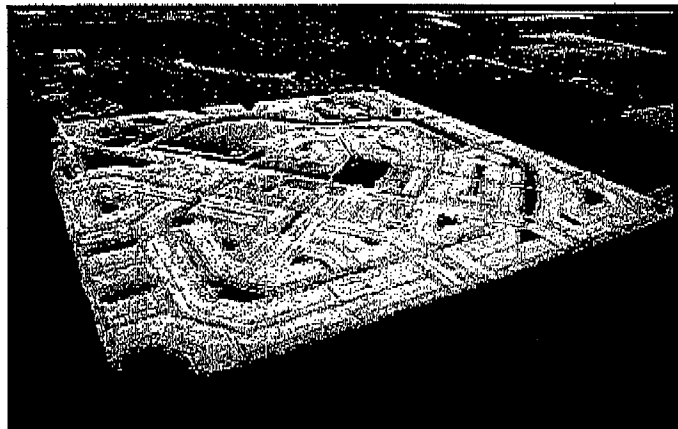
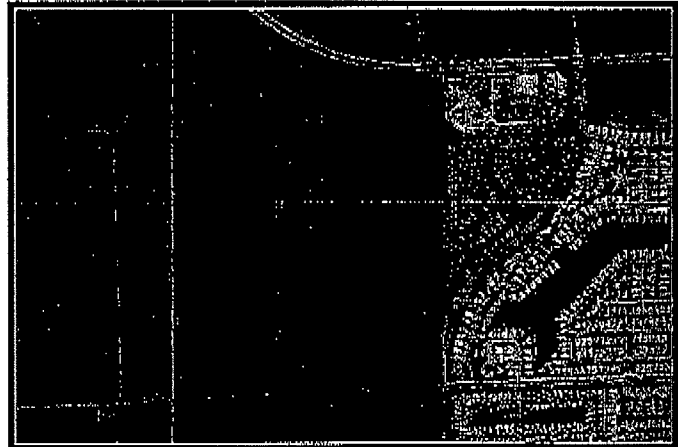
COMPLETION DATE: On-Going

**KEY INDIVIDUALS
INVOLVED:** Ignacio Serralta, P.E.
Oliverio Sanchez, P.E.
Jean-Claude Fontaneau

PROJECT DESCRIPTION:

SRS prepared all civil engineering design plans and specifications for the construction of an approximately 160-acre traditional neighborhood district development comprised of 1,256 residential units, including townhouses, single family homes, live/work units, lofts, and flats; as well as over 132,000 sq. ft. of commercial retail, 15-acre lake, and a 9-acre school.

SRS services included the civil design of a regional sewer pump station (wet well/dry well) as well as on-site roadway, paving and grading, drainage and storm water management systems, water and sewer systems, design of off-site water and sewer systems and roadway improvements to SW 167th Avenue and Kendall Drive. Other services included contracting and coordinating all topographical surveys and geotechnical investigations; all environmental studies including wetland mitigation reports and preparation of ERP permit. Permitting included all applicable regulatory agencies including FDOT, SFWMD, COE, DERM, MDWASD, MDPWD, FIRE, and Health Dept.



RELEVANT EXPERIENCE

PROJECT NAME: Miami International Airport
Employee Parking Area
Storm Water Study
and Design of Interim
Drainage Improvements
Miami, Florida

CLIENT'S NAME: Miami International Airport

**TYPE OF FACILITY
OR SERVICES:** Design and CEI Services

SRS PROJECT FEE: \$ 78,000.00

COMPLETION DATE: Started: January 1999
Completed: Feb. 2000

**KEY INDIVIDUALS
INVOLVED:** Ignacio Serralta, P.E.
Patrick J. Rebull, P.E.

PROJECT DESCRIPTION:

Provision of on-going miscellaneous civil engineering services to meet the requirements for fast response and specialized engineering services for the Miami-Dade Aviation Department.

This service order required conducting a study for the 2000 vehicle 700-acre employee parking lot and drainage basin at Miami International Airport. The study analyzed the current drainage system and made recommendations for the improvement of the system to facilitate drainage of the parking lot while meeting DERM and South Florida Water Management District design criteria.

The project involved data gathering, analysis of existing conditions, determination of future land use impact, development and evaluation of alternatives including storm water modeling for the 5, 10, 25 and 100 year storm flows, cost engineering and presentation of final recommendations.

A second service order involved preparation of design and construction documents for the construction of interim drainage improvements to resolve severe flooding conditions in three of the sub-drainage basins. This project is currently under construction with on-going construction administration services being provided.



RELEVANT EXPERIENCE

PROJECT NAME: Owen Roberts International Airport
Land Side Master Plan
Improvements
Cayman Islands

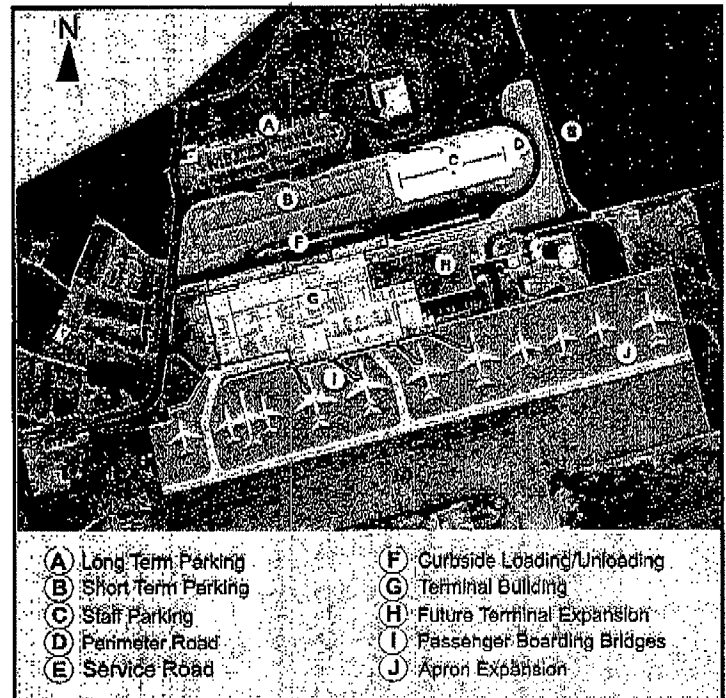
CLIENT'S NAME: APEC Consultants, Inc.
Mr. John Martin
305-476-9031

**TYPE OF FACILITY
OR SERVICES:** Civil engineering design
of site plan layout,
paving, grading and
drainage, water &
sewer systems, parking
lots and roadways

SRS PROJECT FEE: \$130,000

COMPLETION DATE: December 2008

**KEY INDIVIDUALS
INVOLVED:** Ignacio Serralta, P.E.
Oliverio Sanchez, P.E.
Jean-Claude Fontaneau



PROJECT DESCRIPTION:

Design and preparation of construction document for the construction of land side master plan improvements including design of site master plan, geometry plan, demolition plan, paving, grading and drainage, new main entrance road, new paved long term parking area, two new staff parking areas, rental car parking area, new curbside loading/unloading areas and associated access drives. Sewer systems improvements included the design of a new 30,000 GPD sewage treatment plant, sewer pump station and force main. Duties also included preparation of technical specifications and construction cost estimates.

The parking lot consisted of 360 parking spaces.



RELEVANT EXPERIENCE

PROJECT NAME: Drainage Systems
Arch Creek Drainage
Improvements, Phase I,
II, & III

CLIENT'S NAME: Miami-Dade County
Department of
Environmental
Resources Management

**TYPE OF FACILITY
OR SERVICES:** Civil Engineering Design
of Area wide drainage
Improvements

SRS PROJECT FEE: N/A

COMPLETION DATE: 1997

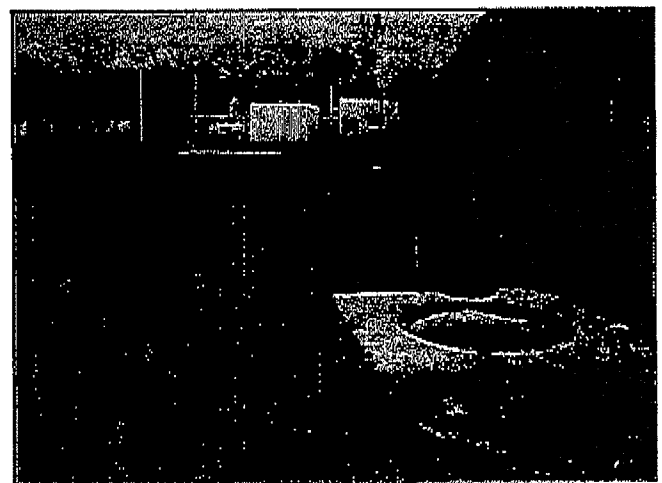
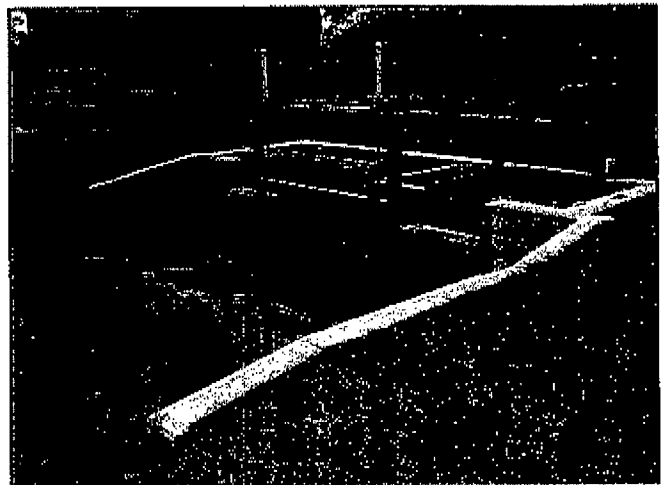
**KEY INDIVIDUALS
INVOLVED:** Ignacio Serralta, P.E.
Jean-Claude Fontaneau
Ramon Lopez

PROJECT DESCRIPTION:

Project Manager for design of the Arch Creek Drainage Improvement Project involving the design of the interconnected storm drain system with exfiltration trenches draining an area over 120 acres. The project also included design of a large stormwater pump station with backup generator, wetland retention pond, trash rack structure, several water control drainage structures, canal outlet, and an interconnected pressure drainage well system.

Note:

This Project was designed by CAS Engineering with key Individuals (PM, Design Engineers) currently employed by SRS Engineering, Inc.



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: Stormwater Master Plan

E11-MDAD-02

CONTRACT ESTIMATED AMOUNT: \$1,500,000.00

R J Behar & Company, Inc.
NAME OF COMMUNITY BUSINESS ENTERPRISE

Certification Expires: 6/30/2014
DATE

7850 NW 14th St. #504 Miami Lakes 33016
ADDRESS CITY ZIP CODE

Telephone: 305 558 3777

Bonding Capacity: N/A

Juan H. Vazquez VICE PRESIDENT
PRINT NAME AND TITLE

SIGNATURE OF COMPANY REPRESENTATIVE

DATE

REVISED 10/11/94

DESCRIPTION OF PROJECT**Project Title:** Stormwater Master Plan**Project Number:** E11-MDAD-02**Department:** MDAD**Estimated Cost:** \$1,500,000.00**Technical Categories:**

TC No.	Description	Percentage	Amount
4.01	Aviation Sys-Engineering Design (Prime)	10%	\$150,000
10.01	Environmental Engineering - Stormwater Drainage Design Eng. Service (Prime)	75%	\$1,125,000
16.00	General Civil Engineering (Prime)	10%	\$150,000
15.01	Surveying and Mapping – Land Surveying	5%	\$75,000.00
Total Estimated Design Fees		100%	\$1,500,000.00

Overall Project Description

The scope of work for Utility Master Plan is primarily accomplished by a single discipline; in this case, the drainage or stormwater branch of Civil Engineering. The consultant will be required to use specific software and base planning, analysis and recommendations from the output of the software. Decoupling any of these components creates inefficiency in the project. Data gathering and as-built verification in the form of surveying and mapping was the scope of work best suited for sub-consulting.

The prime consultant for this project must be certified in 4.01, 10.01, and 16.00, (all three technical categories). The primary objective for this project is to update the existing Drainage Master Plan at Miami International Airport. Secondary objectives include the updates of the Drainage Master Plan at Opa-Locka and Kendall-Tamiami Airports. *The consultant must be familiar with local and federal requirements mandated in such facilities* (thus the requirement of the 4.01 – Aviation Systems – Engineering Design certification).

Do you have prior (airport) experience satisfying the above stated? Yes ☒ No ☐

1 - Environmental Engineering - Stormwater Drainage Design Engineering Services
 is necessary as this is the primary scope of work. The 16.00 - General District, Florida 33128
 Engineering certification is necessary to cover ancillary topics such as utilities, roadway and
 maintenance of traffic design which affect the planning of new drainage infrastructure.
 305-375-3111 F 305-375-3160
 miamidade.gov

Do you have prior (airport) experience satisfying the above stated? Yes ☒ No ☐

***Minimum Requirements**

- Prime must be certified in 4.01, 10.01 and 16.00.

The prime must demonstrate a minimum of ten (10) years of experience from the submittal date, in developing and maintaining drainage master plans and associated computer model (SWMM and XP SWMM) in airport and municipal storm water management systems of equal size and complexity as Miami International Airport (MIA stormwater drainage system has four (4) watersheds and five (5) outfalls that include over sixty (60) miles of drainage pipe (ranging in sizes from 24" to 96") and more than two-thousand (2000) structures.

Do you have prior experience satisfying the above requirements? 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**

**TERMINAL 4 APRON EXPANSION PROJECT STORMWATER REVIEWS
FORT LAUDERDALE-HOLLYWOOD INTERNATIONAL AIRPORT, FLORIDA**

CLIENT

*HDR Inc.
5310 NW 33rd Ave, Suite 212
Fort Lauderdale, FL 33309
Thomas Wilcox, P.E.
Tel: (941)-342-2706
E-Mail:
Tom.Wilcox@hdrinc.com*

RJ BEHAR'S ROLE
*Quality Control Reviews of
Stormwater Design*

PROJECT STARTED: 7/2011
PROJECT COMPLETED: On-
going
COST/FEES PAID: \$17,150
CONST. COST: TBD

RJ BEHAR'S KEY PERSONNEL
*Juan H. Vazquez, PE, PH, BCEE
Principal-In-Charge*

*David Boyer, PE
Water Resources Director*

*Sandra Sequeira, EI
Drainage Engineer*

The Broward County Aviation Department (BCAD) is implementing an Airport Expansion Program (AEP) at the Ft. Lauderdale – Hollywood International Airport which includes the Expansion of Runway 9R-27L, Terminal 4 Gate Replacement, and Enabling Projects. The T-4 Civil Works project (Project) will modify the existing airport terminal civil works and underground utility infrastructure, including apron and airside infrastructure and impacted landside utilities, to enable the Terminal 4 Gate Replacement Project.

RJ Behar Scope of Services includes performing stormwater reviews for the surface water design at the apron for Terminal 4.

There are four tasks in this scope of services. They are:

- Task 1 Evaluation of Existing Systems including Field Reviews and Recommendations for Repair or Replacing*
- Task 2 Peer Review/QC of Plans*
- Task 3 Peer Review of Drainage Report and Review of Modeling*
- Task 4 Attending and Participating in Meetings*



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R.J. Behar & Company, Inc.
Engineers • Planners

**STORMWATER MASTER PLAN DON SHULA EXPRESSWAY (SR 874)
KENDALL DRIVE TO 87TH AVENUE**

CLIENT

*Miami-Dade Expressway Authority
Dade Transportation Consultants
2001 NW 107th Avenue
Miami, Florida
Mr. Carlos Ribbeck, PE
Tel: (305)597-7275*

RJ BEHAR'S ROLE

Drainage Consultant Services

PROJECT STARTED: 2001

PROJECT COMPLETED: 2002

COST/FEE'S PAID: \$30,000

CONST.COST: N/A

RJ BEHAR'S KEY PERSONNEL

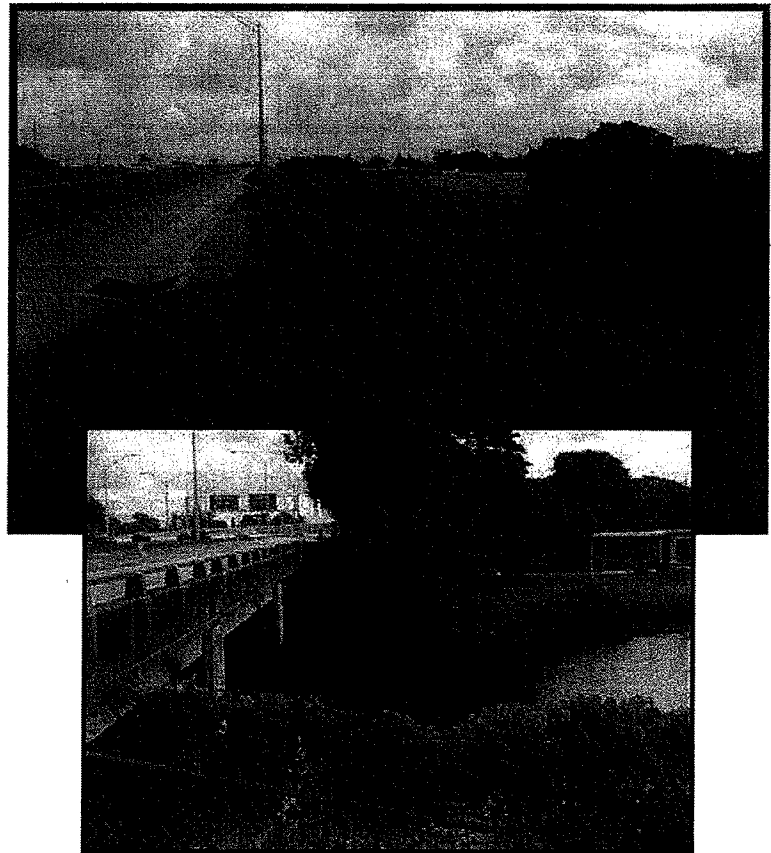
*Juan H. Vazquez, PE, PH, BCEE
Project Manager*

*Elmer Cardenas, PE
Project Engineer*

*Rosario Cardenas, PE
Project Engineer*

The scope of the project consisted of preparing a hydrologic/hydraulic model of this segment of the expressway to estimate the existing discharge and hydraulic conditions in preparation for a master drainage plan of future roadway modifications.

Included in the project was determining the existing drainage patterns, drainage basins, and features including offsite areas, and developing an existing conditions hydrologic/hydraulic model. Several field reviews were performed and additional topography was needed to determine offsite drainage basins due to the flatness of the terrain.



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CLIENT

Florida Department of
Transportation, District 4
3400 W. Commercial Boulevard
Fort Lauderdale, FL 33309
Mr. Joseph Borello
FDOT Project Manager
Tel (954) 777-4426
Fax (954) 777-4482
joseph.borello@dot.state.fl.us

RJ BEHAR'S ROLE

Stormwater Management and
Drainage design

Subconsultant to:

AECOM/Dragados
10368 SR-84, Suite 201
Davie, FL 33324
Mr. Eduardo Curiel
Tel (954) 513-3855
Eduardo.Curiel@AECOM.com

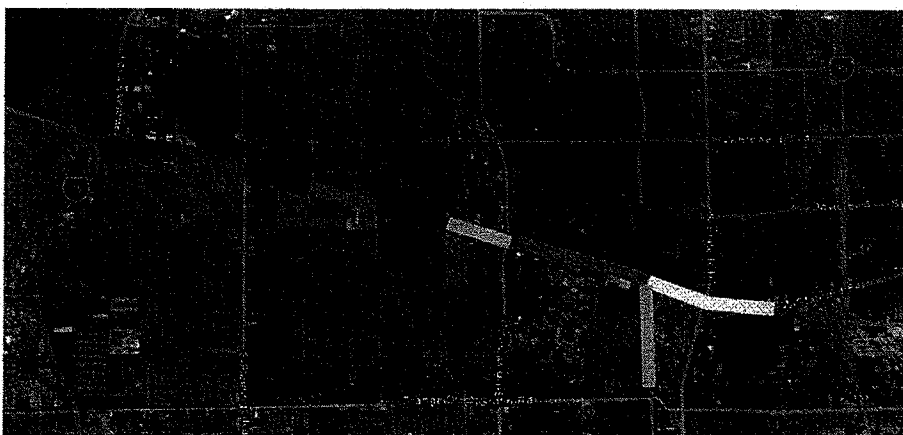
PROJECT STARTED: 01/29/2009
PROJECT COMPLETED: On-going
COST/FEES PAID: \$1,806,500
CONST. COST: \$1.2 billion- total
project
PROJECT LENGTH: 10.5 miles ±

RJ BEHAR'S KEY PERSONNEL

Robert J. Behar, PE
Principal in Charge
Juan H. Vazquez, PE, PH, BCEE
Project Manager
David M. Boyer, PE
Design Manager
Paola Riveros, EI
Project Engineer
Carmen A. Aponte, MSE, CEI
Project Engineer
Fernando Cano, PE
Project Engineer
Sandra Sequeira, EI
Project Engineer
Marcel Ortner, EI
Project Engineer
Roxana Roman, PE
Project Engineer
Sugeily Patxot
Project Engineer

The Interstate-595 (I-595) corridor, between the I-75/Sawgrass Expressway Interchange to just west of the I-595/I-95 Interchange, is proposed for improvement. The corridor improvements will consist of a minimum of three general use lanes in each direction for the mainline of I-595, construction of three reversible lanes in the center of the corridor and upgrades to SR 84, which parallels I-595 on the outside. The corridor has been divided into eight construction zones and ten drainage basins. The corridor has discharge into three golf courses with shared use agreements and discharges to three drainage districts.

RJ Behar is responsible for the overall drainage master plan update for the entire corridor, which includes exfiltration trenches, both wet and dry stormwater management systems and complete drainage design analysis for seven out of eight design zones. The Firm is also responsible for the drainage plan preparation for two roadway design sections as well as all coordination between six different design firms.



- Basin 1-1
- Basin 1-2
- Basin 2
- Basin 3
- Basin 4
- Basin 5
- Basin 6
- Basin 8
- Basin 7-1
- Basin 7-2

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Engineers • Planners

**CENTRAL BROWARD WATER CONTROL DISTRICT ENGINEER SERVICES
BROWARD COUNTY, FLORIDA**

CLIENT

*Central Broward Water Control
District*

*8020 Stirling Road
Hollywood, FL 33023*

Mr. Mike Crowley

District Manager

Tel: (954) 432-5110

Fax: (954) 432-8603

districtmanager@centralbrowardwcd.org

RJ BEHAR'S ROLE

District Engineering Services

PROJECT STARTED: 4/24/2007

PROJECT COMPLETED: On-Going

COST/FEES PAID: Varies

CONST. COST: N/A

RJ BEHAR'S KEY PERSONNEL

Robert J. Behar, PE

Principal in Charge

Javier Rodríguez, PE

District Engineer

Juan H. Vazquez, PE, PH, BCEE

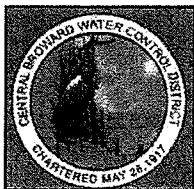
Technical Support

Kelly Nowell, PE, LEED AP

District Reviews

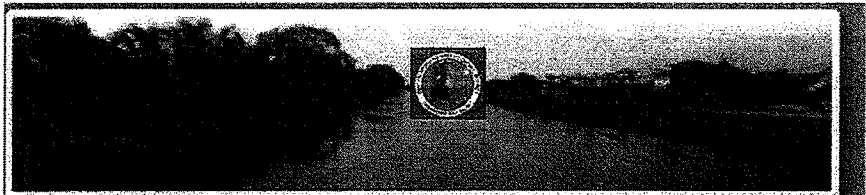
Carmen A. Aponte, MSE, CEI

District Reviews

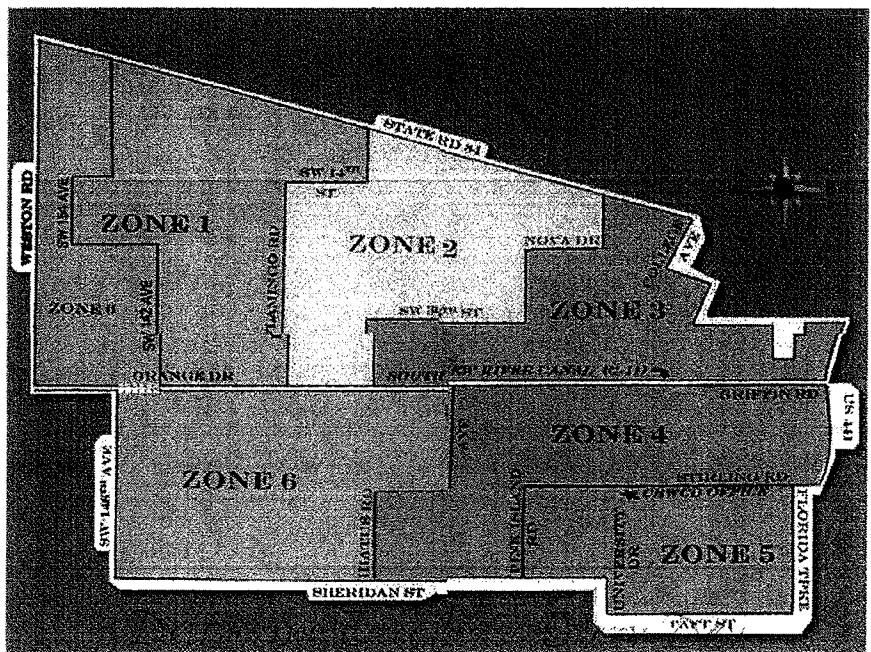


The Central Broward Water Control District is a local government agency chartered by the State of Florida to provide secondary water management and stormwater drainage in southwest Broward County. Within its 45 square mile area, this special drainage district incorporates almost 107 miles of canals that are located within 6 cities and towns, as well as unincorporated areas of Broward County.

Under this contract, RJ Behar serves as one of two firms who serve as District Drainage Engineers (DDE). As DDE, RJ Behar reviews plats, applications for water management work permits, paving and drainage plans, as-built plans, and permit renewal applications for conformance with the District's drainage regulations, standards, procedures, and design criteria. RJ Behar also provides other services including drainage criteria, manual updates, special studies, data collection and monitoring, computer modeling, geographic information systems, master planning, design, permitting, cost estimating, construction inspection services, facilities financing, facilities operations and other services as directed by the District.



CENTRAL BROWARD WATER CONTROL DISTRICT



R.J. Behar & Company, Inc.
Engineers • Planners

**NORTH COUNTY NEIGHBORHOOD IMPROVEMENT PROJECT
BROWARD COUNTY, FLORIDA**

CLIENT

*Broward County Water and Sewer
Services Department*

Subconsultant to:

*Miller Legg and Associates
6301 N.W. 5th Way, Suite 1400
Fort Lauderdale, Florida 33309
Mr. Darren Badore
Tel: (954) 491-2800
Fax: (954) 491-0788
dbadore@millerlegg.com*

RJ BEHAR'S ROLE

*Consultant for drainage design,
construction management and peer
review services*

PROJECT STARTED: 2007
PROJECT COMPLETED: 2008
COST/FEES PAID: \$881,000
CONST. COST: \$88,000,000
(Estimate)

RJ BEHAR'S KEY PERSONNEL

*Juan H. Vazquez, PE, PH, BCEE
Engineer of Record*

*Carmen A. Aponte, MSE, CEI
Project Engineer*

*Paola Riveros, EI
Project Engineer*

*Anthony V. Alfred, PE
Peer Reviews*

*Sonia M. Torres, PE
Peer Reviews*

*Sandra Sequeira, MS, EI
Project Engineer*

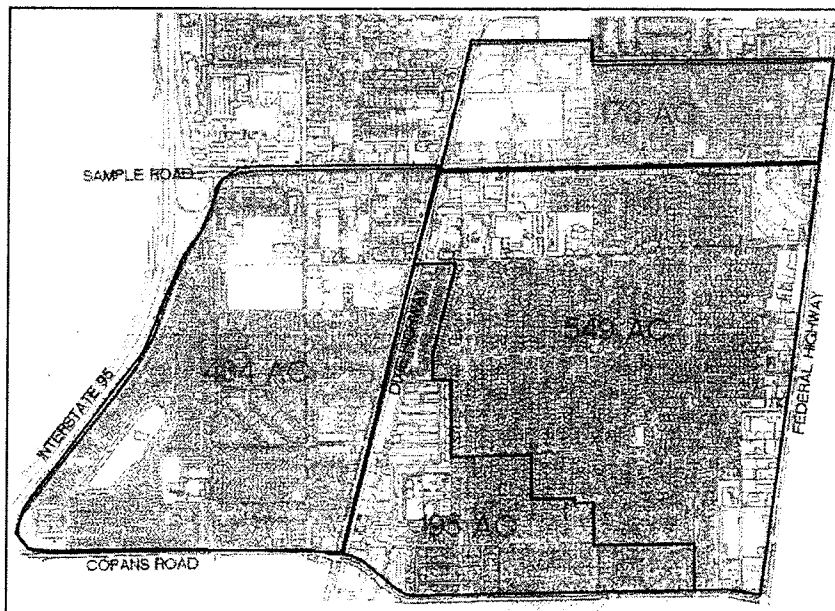
RJ Behar provided drainage design; cost estimating of the drainage system; permitting of the drainage system; and peer review of:

- *Water distribution plans,*
- *Sewer distribution plans,*
- *Water reuse master plan,*
- *Water reuse design,*
- *Streets and sidewalks plans.*

The peer reviews were being performed at each phase of the design. RJ Behar also provided construction management and inspection services during the construction phase.

The drainage design consisted of evaluation and identification of the flood prone areas, field reviews, data collection, coordinated with the geotechnical subconsultant, hydrologic/hydraulic modeling and plans preparation of the drainage improvements. The drainage system consists of a system of exfiltration systems, the addition of drainage catch basins, control structures with weirs and connection to existing outfalls.

RJ Behar also coordinated permitting with the Florida Department of Transportation (Chapter 14-86), Broward County Environmental Protection Department and South Florida Water Management District.



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**STORMWATER DRAINAGE IMPROVEMENT FOR CHAVES LAKE AND I-95 FROM
PEMBROKE ROAD TO IVES DAIRY ROAD — HALLANDALE BEACH, FLORIDA**

CLIENT

*City of Hallandale Beach
Department of Public Works
630 NW 2nd Street
Hallandale Beach, Florida 33009
Mr. Earl King
Tel: (954) 457-1669
Fax: (954) 457-1624
eking@hallandalebeachfl.gov*

RJ BEHAR'S ROLE

*Hydrologic/Hydraulic study,
stormwater master plan, flood
control study and implementation
plan.*

PROJECT STARTED: 2000

PROJECT COMPLETED: 2000

COST/FEE PAID: \$230,000

CONST. COST: Only Study

RJ BEHAR'S KEY PERSONNEL

*Robert J. Behar, PE
QA/Principal in Charge*

*Juan H. Vazquez, PE, PH, BCEE
Project Manager/Drainage
Engineer*

The drainage study and master drainage plan was intended to evaluate and report on the existing drainage conditions within the project area, and develop drainage improvement alternatives to reduce the existing flooding problems. The scope of work included data collection as to the existing infrastructure and topography, coordination with permitting agencies, utilizing appropriate methodologies and or hydrologic/hydraulic computer software to more accurately evaluate the existing conditions. Based on the outcome of this evaluation, alternative improvements were proposed. A hydrogeologic model was also developed by a geotechnical subconsultant and calibrated with elevations recorded during the Irene and no-name storm of October 2000. A well monitoring system was established to measure lake and groundwater levels during a four month period. Rainfall information was also collected on a daily basis and used for model calibration.

Chaves Lake has a large drainage basin with several roadways connected to it. At the time of the study, the Lake had no outfall and the capacity of the Lake to handle stormwater runoff had not been estimated previously. This study provided estimates of the capacity of the Lake to handle stormwater flows and alternatives for improvements. A master drainage map of I-95 from Ives Dairy Road to Hollywood Boulevard was also provided.

A Matrix was developed of the improvement strategies and flood mitigation projects were identified. The matrix included the projects, the level of improvement, the costs and the recommended implementation schedules.



From: miamidade.gov
Sent: Stephanie Miller [smiller@rjbehar.com]
To: Friday, September 30, 2011 3:44 PM
Subject: Walters, Vivian (SBD)
Attachments: Stormwater Master Plan
StormWater Master Plan.pdf

Mr. Walters

Please see the attached form in response to the fax regarding stormwater master plan(project # E11-MDAD-02).

Stephanie Miller
R.J Behar and company, Inc.
Tel: (954) 680-7771
Fax:(954) 680-7781

Delivering Excellence Every Day



September 30, 2011

To: 1st & 2nd Tier CBE Engineering Firms

Re: Stormwater Master Plan

Project No.: E11-MDAD-02

The above-referenced project is being considered for a **Tier 2 Set-Aside** for competition amongst 1st Tier and 2nd Tier Community Business Enterprise (CBE) firms. If you are interested in participating as a 1st Tier or a 2nd Tier 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 10:00am, Wednesday October 5, 2011.**

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
Business and Professional Development Division

Attachments



Miami-Dade County Department of Small Business Development
Certified CBE Firms as of
September 28, 2011

Tax/Est. MDAB-02 set.
Ardey

FIRM NAME (Date Established)	CONTACT	ADDRESS	PHONE FAX	CERT NO.	EXP. DATE	CERTIFIED BUSINESS ENTERPRISE TRADE CATEGORIES
A.D.A. ENGINEERING, INC. 10/14/1992	ALBERTO ARGUDIN	8550 NW 33rd St, Suite 101 Miami, FL 33122-0000	305-551-4608 305-551-8977	48	04/30/2012	CBE 0401 Aviation Systems-Engineering Design 1001 Environmental Eng-Stormwater Drainage Design Serv
A2 GROUP, INC. 02/01/1994	ALBERTO RIBAS, P. E.	P O Box 43-2310 South Miami, FL 33243-2310	305-668-8939 305-668-9454	28	01/31/2012	CBE 1600 General Civil Engineering TIER 2 1001 Environmental Eng-Stormwater Drainage Design Serv
AB ENGINEERS, INC. 01/01/1998	MARVIN ABARCA	8010 NW 186 Ter Miami, FL 33015-0000	305-829-2418 305-829-2419	9786	03/31/2012	CBE 1600 General Civil Engineering TIER 1 1001 Environmental Eng-Stormwater Drainage Design Serv
ACB2 ENGINEERING, INC. 05/08/1998	ANTONIO ACEVEDO	P O Box 823612 Pembroke Pines, FL 33082-0000	786-286-7574 954-450-3219	44	09/30/2014	CBE 1600 General Civil Engineering TIER 1 1001 Environmental Eng-Stormwater Drainage Design Serv
ALVAREZ ENGINEERS, INC. 03/01/1995	JUAN R. ALVAREZ	10305 NW 41 St, Suite 103 Miami, FL 33178-0000	305-640-1345 305-640-1346	186	11/30/2011	CBE 1600 General Civil Engineering TIER 1 1001 Environmental Eng-Stormwater Drainage Design Serv
AMBRO, INC. 09/01/1988	EMILE AMEDEE	13335 SW 124th St, Unit 111 Miami, FL 33186-0000	305-234-7424 305-234-7832	9828	02/29/2012	CBE 1600 General Civil Engineering TIER 1 1001 Environmental Eng-Stormwater Drainage Design Serv
AMERICAN ENGINEERING GROUP, INC. 11/01/2001	RAMON AROSEMENA	7780 SW 66th St Miami, FL 33143	786-256-1547 305-595-7033	6471	01/31/2012	CBE 1600 General Civil Engineering TIER 1 1001 Environmental Eng-Stormwater Drainage Design Serv
ARCHITECTS INTERNATIONAL, INC. 11/16/1992	JUAN CRESPI	227 NE 26 Ter Miami, FL 33137	305-573-2052 305-576-5150	229	04/30/2012	CBE 0401 Aviation Systems-Engineering Design TIER 1 1600 General Civil Engineering
ASSOCIATED CONSTRUCTION SERVICES, INC. D/B/A ACS 05/24/2011	RICARDO ESCOBAR	11307 NW 43rd Ter Doral, FL 33178-0000	305-907-6868 305-907-6867	14679	08/31/2014	CBE 1600 General Civil Engineering
AVINO & ASSOCIATES, INC. 01/01/1986	JORGE AVINO	1350 SW 57th Ave, Suite 207 Miami, FL 33144-0000	305-265-5030 305-265-5033	4061	12/31/2011	CBE 1001 Environmental Eng-Stormwater Drainage Design Serv
BCC ENGINEERING, INC.	JOSE A. MUNOZ	7300 N Kendall Dr, Suite 400	305-670-2350	4499	01/31/2012	CBE 1600 General Civil Engineering TIER 2

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Miami-Dade County Department of Small Business Development

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03/15/1994		Miami, FL 33156-0000	305-670-2351			1001 Environmental Eng-Stormwater Drainage Design Serv
BISCAYNE ENGINEERING COMPANY, INC. 01/01/1898	✓ GEORGE BOLTON	529 W Flagler St Miami, FL 33130	305-324-7671 305-324-0809	357	08/31/2014	CBE 1600 General Civil Engineering TIER 2 0401 Aviation Systems-Engineering Design 1001 Environmental Eng-Stormwater Drainage Design Serv
<i>Msardivara Biscayne engineering Corp</i>				<i>10.3.11</i>		
BLISS & NYITRAY INC 04/01/1955	✓ PAUL ZILLO	800 Douglas Rd, Suite 300 Coral Gables, FL 33134-0000	305-442-7086 305-442-7092	12841	12/31/2011	CBE 0401 Aviation Systems-Engineering Design TIER 2 0401 Aviation Systems-Engineering Design 1001 Environmental Eng-Stormwater Drainage Design Serv
BND ENGINEERS, INC. 06/01/1993	✓ BASIL WILLIAMS	4090 NW 97th Ave, Suite 300 Miami, FL 33178-0000	305-599-8495 305-597-9312	292	02/29/2012	CBE 0401 Aviation Systems-Engineering Design TIER 2 0401 Aviation Systems-Engineering Design 1001 Environmental Eng-Stormwater Drainage Design Serv
<i>left message</i>				<i>10.3.11</i>		
BOTAS ENGINEERING, INC. 08/01/1995	PATRICIA BOTAS	7875 NW 12th St, Suite #120 Miami, FL 33126-0000	305-418-9111 305-418-9112	371	08/31/2014	CBE 0401 Aviation Systems-Engineering Design TIER 1 1600 General Civil Engineering TIER 2
C SOLUTIONS, INC. 03/21/2005	MARK S. DRUMMOND	7400 SW 50 Ter, 206 Miami, FL 33155-0000	786-350-1821 786-350-2122	13847	03/31/2012	CBE 1600 General Civil Engineering TIER 2
C.H. PEREZ & ASSOCIATES CONSULTING ENGINEERS, INC. 05/01/2004	CARLOS PEREZ	9594 NW 41th St, Suite # 201 Doral, FL 33178-0000	305-592-1070 305-592-1078	11392	12/31/2011	CBE 1001 Environmental Eng-Stormwater Drainage Design Serv
CARDOZO ENGINEERING, INC. 10/01/1999	ROSANNE CARDOZO	8405 NW 53rd St, Suite A-215 Miami, FL 33166	305-629-9880 305-629-9890	470	10/31/2014	CBE 1001 Environmental Eng-Stormwater Drainage Design Serv
CEB ENGINEERING, INC. 08/02/2000	JAVIER BUSTOS	2451 NW 109 Ave, Unit 4 Miami, FL 33172-0000	305-591-4440 305-591-4084	4701	03/31/2012	CBE 1600 General Civil Engineering TIER 2 1001 Environmental Eng-Stormwater Drainage Design Serv
CES CONSULTANTS, INC. 10/06/1997	RUDY M. ORTIZ, P. E.	14361 Commerce Way, Suite 103 Miami Lakes, FL 33016-0000	305-827-2220 305-827-1121	423	04/30/2012	CBE 1600 General Civil Engineering TIER 2 1001 Environmental Eng-Stormwater Drainage Design Serv
CHEN AND ASSOCIATES CONSULTING	JOSE ACOSTA	1444 Biscayne Blvd, St, Suite	786-497-1500	4424	02/29/2012	CBE 1600 General Civil Engineering TIER 2

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ENGINEERS, INC. 11/01/1986		#204 Miami, FL 33132-0000	786-497-2300			1001 Environmental Eng-Stormwater Drainage Design Serv
CHEROKEE CONSULTING, INC. 04/17/2006	KEN GROCE	5821 SW 51st Ter Miami, FL 33155-0000	305-205-2361 N/A	13418	11/30/2011	1600 General Civil Engineering TIER 1 1001 Environmental Eng-Stormwater Drainage Design Serv
CIVIL INFRASTRUCTURE CORPORATION 02/17/2010	RICARDO MENDEZ	905 Brickell Bay Dr, #323 Miami, FL 33131-0000	305-808-7987 N/A	14400	03/31/2012	1600 General Civil Engineering TIER 1 1001 Environmental Eng-Stormwater Drainage Design Serv
CIVIL WORKS, INC. 05/01/1996	LINDA BELL	7855 NW 12st St, Suite #202 Doral, FL 33126	305-591-4323 305-591-4074	530	10/31/2014	1600 General Civil Engineering TIER 1 0401 Aviation Systems-Engineering Design Environmental Eng-Stormwater Drainage Design Serv
CONSULTING ENGINEERING & SCIENCE, INC. 05/01/1981	JOHN GUTTMAN	10700 N Kendall Dr, Suite 400 Miami, FL 33176	305-378-5555 305-279-4553	14264	01/31/2012	1600 General Civil Engineering TIER 2 0401 Aviation Systems-Engineering Design Environmental Eng-Stormwater Drainage Design Serv
CRJ & ASSOCIATES, INC. 05/01/1999	MARC FERNANIAN	7220 NW 36th St, Suite 408 Miami, FL 33166	786-331-7370 786-331-7371	437	02/29/2012	1600 General Civil Engineering TIER 1 0401 Aviation Systems-Engineering Design Environmental Eng-Stormwater Drainage Design Serv
DESIGNONE, INC. 11/01/2002	WILLIAM DEL BUSTO	247 SW 8th St, Suite #217 B Miami, FL 33130-0000	305-860-0384 305-860-0361	8760	06/30/2014	1600 General Civil Engineering TIER 1 0401 Aviation Systems-Engineering Design Environmental Eng-Stormwater Drainage Design Serv
DEVELOPMENT CONSULTING GROUP, INC. 04/29/2004	CARLOS BALBE	P O Box 70488 Fort Lauderdale, FL 33307-0000	305-253-1970 305-253-0897	13646	03/31/2012	1600 General Civil Engineering TIER 1 1001 Environmental Eng-Stormwater Drainage Design Serv
DEVELOTEC, INC. 01/01/2004	RICARDO HERRERA	6494 Coral Way Miami, FL 33155-0000	305-663-9650 305-663-9640	12332	03/31/2012	1600 General Civil Engineering TIER 1 1001 Environmental Eng-Stormwater Drainage Design Serv
EASTERN ENGINEERING GROUP COMPANY	RAISSA LOPEZ	3401 NW 82nd Ave, Suite 370 Miami, FL 33122-0000	305-599-8133 305-599-8076	12857	01/31/2012	1600 General Civil Engineering TIER 1 0401 Aviation Systems-Engineering Design

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09/07/2005						
EBS ENGINEERING, INC. 05/23/1994	BENJAMIN ESSIEN	4715 NW 157th St, Suite 202 Miami, FL 33014	305-625-5232 305-625-7110	775	07/31/2014	1600 General Civil Engineering CBE 1001 Environmental Eng-Stormwater Drainage Design Serv 1600 General Civil Engineering TIER 1
EGSC ENGINEERING CONSULTANTS, INC. 09/01/2000	ERIC GOMEZ	10899 SW 4 St Sweetwater, FL 33174-0000	305-553-5457 305-551-9869	10077	07/31/2014	1600 General Civil Engineering CBE 1600 General Civil Engineering TIER 1
ENGINEER INNOVATION, INC. 07/17/2009	WISLER PIERRE-LOUIS	2851 NE 183 St, #103 Aventura, FL 33160-0000	786-463-6534 206-337-3890	14215	01/31/2012	1600 General Civil Engineering CBE 1001 Environmental Eng-Stormwater Drainage Design Serv 1600 General Civil Engineering TIER 1
ES CONSULTANTS INC. 08/01/2001	EDUARDO SMITH	7700 N Kendall Dr, Suite 607 Miami, FL 33156	305-412-8185 305-412-8105	4399	10/31/2011	1600 General Civil Engineering CBE 1001 Environmental Eng-Stormwater Drainage Design Serv 1600 General Civil Engineering TIER 1
FLORIDA TRANSPORTATION ENGINEERING, INC. (FTE) 06/01/1989	RAVI DEVAGUPTAPU	8250 Pascal Dr, Suite 101 Punta Gorda, FL 33950	941-639-2818 941-639-4851	12049	10/31/2014	1600 General Civil Engineering CBE 1600 General Civil Engineering TIER 2
FORD ENGINEERS, INC. 04/01/1994	MANUEL ECHEZARRETA	1950 NW 94th Ave, 2nd Floor Miami, FL 33172	305-477-6472 305-470-2805	957	02/29/2012	1600 General Civil Engineering CBE 1001 Environmental Eng-Stormwater Drainage Design Serv 1600 General Civil Engineering TIER 2
FRAGA ENGINEERS, LLC 08/01/1980	CRISTINA SANTA-CRUZ	135 San Lorenzo Ave, Suite 890 Coral Gables, FL 33146-0000	305-444-8210 305-444-5920	970	06/30/2014	1600 General Civil Engineering CBE 0401 Aviation Systems-Engineering Design TIER 1
G & A CONSULTING ENGINEERS, INC. 02/01/1997	GABRIEL ROMANACH	Po Box 650912 Miami, FL 33265-0912	305-596-9833 305-596-5392	10406	10/31/2011	1600 General Civil Engineering CBE 1001 Environmental Eng-Stormwater Drainage Design Serv 1600 General Civil Engineering TIER 1
GECKO GROUP, INC. 08/01/1999	JORGE GARCIA	120 Madeira Ave Coral Gables, FL 33134-0000	305-443-8482 305-443-8481	12154	02/29/2012	1600 General Civil Engineering CBE 1001 Environmental Eng-Stormwater Drainage Design Serv 1600 General Civil Engineering TIER 1
GLOBEX ENGINEERING & DEVELOPMENT, INC. 08/01/1997	ALI KHATAMI	1031 Ives Dairy Rd, Suite 228 Miami, FL 33179-0000	305-749-2386 305-749-2387	11914	04/30/2012	1600 General Civil Engineering CBE 1001 Environmental Eng-Stormwater Drainage Design Serv 1600 General Civil Engineering TIER 1
GOPMAN CONSULTING ENGINEERS, INC. 02/01/1993	HERBERT GOPMAN	39 NW 166 St, 3 Miami, FL 33169-0000	305-787-8400 305-787-8951	11767	12/31/2011	1600 General Civil Engineering CBE 1600 General Civil Engineering TIER 1

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FIRM NAME	CONTACT	ADDRESS	PHONE FAX	CERT NO.	EXP. DATE	CERTIFIED BUSINESS ENTERPRISE TRADE CATEGORIES
HBC ENGINEERING COMPANY 06/15/2006	ADEBAYO COKER	13155 SW 134th St, Suite #207 Miami, FL 33186-0000	305-232-7932 305-232-7933	12571	07/31/2014	CBE 1001 Environmental Eng-Stormwater Drainage Design Serv 1600 General Civil Engineering 0401 Aviation Systems-Engineering Design
HILLERS ELECTRICAL ENGINEERING, INC. 02/16/1994	PAUL HILLERS	23257 State Road 7, Suite 100 Boca Raton, FL 33073-0000	305-261-2099 561-451-4886	1144	02/29/2012	CBE 0401 Aviation Systems-Engineering Design
HP CONSULTANTS INC. 05/01/2002	ARVIND KUMBHOJKAR	10220 SW 107th St Miami, FL 33176	305-596-2857 305-596-2858	8064	01/31/2012	CBE 1600 General Civil Engineering 1600 General Civil Engineering 1600 General Civil Engineering
HR ENGINEERING SERVICES, INC. 07/01/1998	HERNANDO RAMOS, P. E.	7815 NW 72 Ave Medley, FL 33166-0000	305-888-8880 305-888-8770	1100	06/30/2014	CBE 1600 General Civil Engineering
HSQ GROUP, INC. 12/27/2004	NOUR SHEHADEH	650 NE 22 Ter, Suite 202 Homestead, FL 33033-0000	888-477-4364 561-392-6458	12065	11/30/2011	CBE 1001 Environmental Eng-Stormwater Drainage Design Serv 1600 General Civil Engineering
INGELMO ASSOCIATES, P.A. 02/01/2006	PAUL INGELMO	250 Catalonia Ave, Suite 301 Coral Gables, FL 33134-0000	305-461-6009 305-461-6010	12797	01/31/2012	CBE 1600 General Civil Engineering 1001 Environmental Eng-Stormwater Drainage Design Serv
INITIAL ENGINEERS, P.A. 01/15/1996	ALFONSO FERNANDEZ - FR	7145 SW 42nd Ter Miami, FL 33155	305-669-9393 305-669-9178	1197	02/29/2012	CBE 1600 General Civil Engineering 0401 Aviation Systems-Engineering Design
J. EDUARDO GONZALEZ, P. E., INC. 01/25/1984	J. EDUARDO GONZALEZ	717 Ponce De Leon Blvd, #309 Coral Gables, FL 33134	305-445-5100 305-445-6644	1264	04/30/2012	CBE 0401 Aviation Systems-Engineering Design
JM ENGINEERS, INC. 09/01/2000	CARLOS E. JIMENEZ	5001 SW 74 Ct, Suite #209 Miami, FL 33155-0000	305-663-2944 305-663-2942	11570	03/31/2012	CBE 0401 Aviation Systems-Engineering Design 0401 Aviation Systems-Engineering Design
JOHNSON, AVEDANO, LOPEZ, RODRIGUEZ & WALEWSKI ENGINEERING GROUP, INC. 11/01/1985	VICTOR AVEDANO	2510 NW 97th Ave, Suite 220 Doral, FL 33172-0000	305-594-0660 305-594-0907	10188	08/31/2014	CBE 0401 Aviation Systems-Engineering Design
JRA, INC. 09/01/1996	JOAQUIN J. FERRER	10661 SW 88th St, Suite #207 Miami, FL 33176	305-270-7800 305-279-2581	11583	04/30/2012	CBE 1600 General Civil Engineering 1600 General Civil Engineering
K.M. ENGINEERING CONSULTANTS, INC. 08/01/2005	KOUROCHE MOHANDDES	201 178 Dr, Suite #434 Sunny Isles, FL 33160-0000	305-792-7117 305-402-2208	11733	07/31/2014	CBE 1600 General Civil Engineering 1600 General Civil Engineering
LEITER, PEREZ & ASSOCIATES, INC. 01/01/1987	GEOFFREY LEITER	160 NW 176th St, Suite #403 Miami, FL 33169	305-652-5133 305-652-0411	1443	05/31/2014	CBE 1001 Environmental Eng-Stormwater Drainage Design Serv 1600 General Civil Engineering

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LOUIS J. AGUIRRE & ASSOCIATES, P.A. 03/03/1970	LOUIS AGUIRRE	9150 S Dadeland Blvd, Suite 900 Miami, FL 33156-0000	305-670-0141 305-670-0144	1486	06/30/2014	CBE 0401 Aviation Systems-Engineering Design TIER 2
LUDOVICI & ORANGE CONSULTING ENGINEERS, INC 11/01/1972	JOHN HALL	329 Palmetto Ave Coral Gables, FL 33134	305-448-1600 305-446-3876	4398	01/31/2012	CBE 1001 Environmental Eng-Stormwater Drainage Design Serv TIER 2 1600 General Civil Engineering TIER 1
M. HAJIAR & ASSOCIATES, INC. 04/19/1999	MOHAMMAD HAJIAR	45 Valencia Ave Coral Gables, FL 33134-0000	305-445-2399 305-445-2219	5306	04/30/2012	CBE 1600 General Civil Engineering TIER 1
M2E, LLC 05/17/2005	MIROSLAV MLADENOVIC	5815 SW 68 St Miami, FL 33138-0000	305-665-1700 305-665-1703	13561	01/31/2012	CBE 0401 Aviation Systems-Engineering Design TIER 1
MASTEC CONSULTING, INC. 02/20/2010	MOHD SHEHADEH	10961 SW 117 St Miami, FL 33176-0000	305-971-5893 N/A	14003	10/31/2011	CBE 1600 General Civil Engineering TIER 2
MEHTA & ASSOCIATES, INC. 12/01/1986	VIPIN MEHTA	1 Purlieu Pl, Suite 100 Winter Park, FL 32792-0000	407-657-6662 407-657-9579	13297	01/31/2012	CBE 1600 General Civil Engineering TIER 2
METCO SERVICES SOUTHEAST, LLC 06/05/2008	LAKSHMAN THALLAPALL	3785 NW 82 Ave, Suite 314 Doral, FL 33166-0000	305-913-7579 305-913-1301	12813	12/31/2011	CBE 1600 General Civil Engineering TIER 2
MILLIAN, SWAIN & ASSOCIATES, INC. 01/01/1989	ARSENIO MILLIAN	2025 SW 32nd Ave, Suite 110 Miami, FL 33145-0000	305-441-0123 305-441-0688	1670	01/31/2012	CBE 1001 Environmental Eng-Stormwater Drainage Design Serv TIER 1
NADIC ENGINEERING SERVICES INCORPORATED 08/28/2001	FIDELIA NNADI	601 N Hart Blvd Orlando, FL 32818	305-599-8848 305-599-8863	10079	01/31/2012	CBE 1600 General Civil Engineering TIER 1
NETWORK ENGINEERING SERVICES, INC./DBA BOLTON, PEREZ & ASSOCIATES 03/27/1997	JOAQUIN PEREZ	7205 Corporate Center Dr, Suite 201 Miami, FL 33126	305-392-3190 305-392-3090	4309	11/30/2014	CBE 0401 Aviation Systems-Engineering Design TIER 2
NIFAH AND PARTNERS CONSULTING ENGINEERS, INC. 08/01/1995	SAMUEL NIFAH	8785 SW 165th Ave, Suite 108 Miami, FL 33193-0000	305-386-1002 305-386-3907	1737	10/31/2011	CBE 0401 Aviation Systems-Engineering Design TIER 1
NOVA CONSULTING, INC. 05/01/1995	MARIA MOLINA	10486 NW 31st Ter Miami, FL 33172-0000	305-436-9200 305-436-9265	1745	06/30/2014	CBE 1600 General Civil Engineering TIER 2
OSVALDO OJITO 12198 SW 128th St			305-235-2350	1762	02/29/2012	CBE 0401 Aviation Systems-Engineering Design TIER 1

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09/01/1991		Miami, FL 33186-0000	305-235-3324	10.3.11		0401 Aviation Systems-Engineering Design 1001 Environmental Eng-Stormwater Drainage
P. J. V. ENGINEERING, INC. 04/28/2004	PABLO VITERI	11008 NW 80th Ln Doral, FL 33178-0000	305-438-5950 305-884-1611	14489	04/30/2012	CBE 1600 General Civil Engineering
PBEC ENGINEERS AND CONSULTANTS, INC. 01/28/2010	ALBERTO PEREZ	10150 SW 137th Ct Miami, FL 33186-0000	305-508-5692 305-508-5692	14180	01/31/2012	CBE 0401 Aviation Systems-Engineering Design 1600 General Civil Engineering
PEDELTA, INC. 01/20/2006	TULLIO REVOLLO	2000 Ponce De Leon Blvd, Suite #608 Coral Gables, FL 33134-0000	305-648-0010 305-648-0018	13001	03/31/2012	CBE 1600 General Civil Engineering
PHS CONSULTING SERVICES, INC. 10/09/2007	MASOOD FEGHNI	9822 NE 2nd Ave, Suite 5 Miami Shores, FL 33138- 0000	305-757-5771 305-757-5771	14005	10/31/2011	CBE 1600 General Civil Engineering
PMM CONSULTING ENGINEERS, CORP. 06/16/1987	PAUL MARTINEZ	7168 SW 47 St, B4 Miami, FL 33135-0000	305-661-9918 305-567-2350	12262	04/30/2012	CBE 0401 Aviation Systems-Engineering Design
PREMIER DESIGN SOLUTIONS, INC. 07/22/2007	LUIS JURADO	2800 Glades Cir, 106 Weston, FL 33327-0000	954-237-7830 954-337-2332	14232	01/31/2012	CBE 1001 Environmental Eng-Stormwater Drainage
R.J. BEHAR & COMPANY, INC. 10/01/1999	ROBERT BEHAR	6861 SW 196th Ave, Suite #302 Pembroke Pines, FL 33332- 0000	954-680-7771 954-680-7781	4432	06/30/2014	CBE 1600 General Civil Engineering
R2T, INC. 04/11/2005	KIMBERLY AJY	580 W Crossville Rd, Ste. 101 Roswell, GA 30075-0000	305-537-4207 N/A	14035	11/30/2011	CBE 1001 Environmental Eng-Stormwater Drainage
RIBBECK ENGINEERING, INC. 04/03/2007	CARLOS F. RIBBECK	14335 SW 120th St, Suite 205 Miami, FL 33186-0000	305-319-1397 305-383-5979	12341	05/31/2014	CBE 1001 Environmental Eng-Stormwater Drainage
ROBAYNA AND ASSOCIATES, INC. 07/01/1981	RAFAEL ROBAYNA	5723 NW 158th St Miami Lakes, FL 33014-0000	305-823-9316 305-823-1569	2034	04/30/2012	CBE 1600 General Civil Engineering 1001 Environmental Eng-Stormwater Drainage

already Received

LEFT MESSAGE

* Firms that have timely submitted re-certification applications which are "Under Review" are listed in red. Firms listed in red with "Under Review" designation in the Expiration Date column have not received final approval. You may contact the firm or SBD for approval status.

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Miami-Dade County Department of Small Business Development

Certified CBE Firms as of

September 28, 2011

FIRM NAME	CONTACT	ADDRESS	PHONE FAX	CERT NO.	EXP. DATE	CERTIFIED BUSINESS ENTERPRISE TRADE CATEGORIES
8 RODOLFO IBARRA, P.E., P.A. ✓ 06/01/1996	RODOLFO IBARRA	9310 SW 69th St Miami, FL 33173-0000	305-281-8746 N/A	2051	02/29/2012	1600 General Civil Engineering TIER 1 0401 Aviation Systems-Engineering Design 1001 Environmental Eng-Stormwater Drainage 1600 General Civil Engineering TIER 2
9 RODRIGUEZ AND QUIROGA ARCHITECTS 02/01/1982	RAUL RODRIGUEZ	2100 Ponce De Leon Blvd, Mezzanine Coral Gables, FL 33134	305-448-7417 305-448-2712	2052	10/31/2014	0401 Aviation Systems-Engineering Design 1001 Environmental Eng-Stormwater Drainage Design Serv
10 SRS ENGINEERING, INC. ✓ 09/01/1995	IGNACIO SERRALTA	5001 SW 74 Ct, Suite 201 Miami, FL 33155-0000	305-662-8887 305-662-8858	2140	10/31/2014	1600 General Civil Engineering TIER 1 0401 Aviation Systems-Engineering Design 1001 Environmental Eng-Stormwater Drainage Design Serv
TERRA CIVIL ENGINEERING, LLC 10/01/2006	MARCO OSORIO	4011 W Flagler St, Ste 404 Miami, FL 33134-0000	305-499-5010 786-664-6500	11896	04/30/2012	1600 General Civil Engineering TIER 1 1001 Environmental Eng-Stormwater Drainage Design Serv
11 THE BETALONES GROUP, INC. ✓ 08/01/2006	LUIS BETALLELUZ, JR.	1925 Brickell Ave, Suite D-405 Miami, FL 33129-0000	786-284-8828 866-312-8730	12762	11/30/2011	1600 General Civil Engineering TIER 1 0401 Aviation Systems-Engineering Design 1001 Environmental Eng-Stormwater Drainage Design Serv
12 TRIANGLE ASSOCIATES, INC. ✓ 05/01/1996	OSIRIS QUINTANA	7880 W 25 Ct Hialeah, FL 33016-0000	305-817-8443 305-817-8471	2376	04/30/2012	1600 General Civil Engineering TIER 1 0401 Aviation Systems-Engineering Design 1001 Environmental Eng-Stormwater Drainage Design Serv
UCI ENGINEERING INC. 09/01/1984	REYMUNDO MIRANDA	4247 SW 71 Ave Miami, FL 33155-0000	305-661-0800 305-661-0811	2400	02/29/2012	1600 General Civil Engineering TIER 1 1600 General Civil Engineering

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Miami-Dade County Department of Small Business Development
Certified CBE Firms as of
September 28, 2011

FIRM NAME	CONTACT	ADDRESS	PHONE FAX	CERT NO.	EXP. DATE	CERTIFIED BUSINESS ENTERPRISE TRADE CATEGORIES
WESTHORP & ASSOCIATES, INC. 10/01/1995	BRENDA WESTHORP	9499 NE 2nd Ave, Suite 207 Miami Shores, FL 33138	305-759-4757 305-759-4758	2506	02/29/2012	CBE TIER 1 1001 Environmental Eng-Stormwater Drainage Design Serv
YOUSSEF HACHEM CONSULTING ENGINEERING, INC. 07/01/2005	YOUSSEF HACHEM	12151 SW 128 Ct, Suite 104 Miami, FL 33186-0000	305-969-9423 305-969-9453	11761	08/31/2014	CBE 1600 General Civil Engineering TIER 1 1600 General Civil Engineering

Total # of Certified and Under Review Firms: 87

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