

**Town of Lake Park  
Request for Proposal  
Architectural / Engineering Services  
Kelsey and Lakeshore Restrooms & Tennis Court  
Lighting  
RFP No. 104-2015**

**Submitted By:**

**West Architecture + Design, LLC**  
318 South Dixie Highway, Suite 4-5  
Lake Worth, FL 33460  
Martha A. Morgan, President  
[mamorgan@westconstructioninc.net](mailto:mamorgan@westconstructioninc.net)  
Phone: 561-588-2027

**Prepared For:**

**Town of Lake Park  
Town Clerk  
535 Park Avenue  
Lake Park, FL 33403**

**June 30, 2015  
11:00 AM**

---

**PROPOSAL FORMAT**

**SECTION 1**

Introduction Letter

**SECTION 2**

Past Experience / Resumes

**SECTION 3**

Understanding of the Project and  
Project Requirements

**SECTION 4**

Approach and Implementation



## Section 1: Introduction Letter

**West Architecture + Design, LLC** is dedicated to offering excellence in Architecture and Professional services. As a woman owned company, we have achieved success through intensive collaboration with private and public clients. Located at 318 S. Dixie Highway, Suite 4-5, Lake Worth, Florida, 33460 our office is less than 30 minutes from the project sites. Our phone number is 561-588-2027

**West Architecture + Design, LLC** is a division of **West Construction, Inc** which was founded in 1969 on the principal of delivering well-crafted, highly functional and cost effective projects. Through 43 years of successful project delivery, we have evolved into an international corporation. With subsidiaries in Liberia (West Africa), Puerto Rico, and the Caribbean, **West** possesses the ability to design, construct and manage projects throughout, Florida, the United States and Internationally.

Employing experts in their respective fields, **West** currently has 130+ employees working in the US and abroad. Construction specialists, Architects, Estimators and support staff work in a collaborative environment that promotes team work through individual excellence. The sharing of knowledge from multiple professional perspectives allows **West** to offer a creative and efficient end product. Our staff has a diverse range of experience in creating special places to Live, Work, Shop and Play.

Under the leadership of Principals, **Peter Ganci** and **Matthew West**, **West Architecture + Design, LLC** strives to achieve quality work through the highest level of Service, Design and Value for each project.

While **West** has grown substantially over the years, we have always remained focused on providing technical expertise, a passion for performance and outstanding attention to client satisfaction.

West's team of professionals has the understanding of the critical elements that make up these facilities that serve the community.

- **IBI Group (Florida) Inc.** (*Civil, Landscape, Mechanical, Electrical, Plumbing and Structural Engineering*),
- **Nutting Engineers of Florida, Inc.** (*Geotechnical*) and
- **Avirom & Associates** (*Survey*)

Our firm has a complete understanding of what is needed to achieve the optimum performance in every aspect for improvements at **Kelsey Park** and **Lake Shore Park**.

The improvements include:

- Demolition of two existing buildings,
- Construction of two ADA compliant restroom buildings,
- Removal of interior walls and fixtures

- Remodel an existing restroom building to office/lounge,
- Reroofing
- New tennis court lighting
- Utility and site work.

Our firm looks forward to the opportunity to serve the **Town of Lake Park** and provide the **Architectural and Engineering Services** for the **Kelsey and Lake Shore Park Restrooms & Tennis Court Lighting Improvements**.

Sincerely,



Martha Morgan  
President

**FORMS TO BE COMPLETED AND SUBMITTED WITH PROPOSAL**

(Check List)	Page No.
✓ Proposer Information Page	25
✓ Confirmation of Drug Free Workplace	26
✓ Representations and Disclosures	27
✓ Noncollusion Affidavit of Prime Bidder	29
✓ Anti-Kickback Affidavit (Consultant)	30
✓ Certification of Nonsegregated Facilities (Consultant)	31
✓ Certification of Eligibility of Contractor (Consultant)	32

**ADDITIONAL FORMS**

Certification Regarding Debarment, Suspension, Ineligibility, and Voluntary Exclusion (to be completed and submitted by subconsultants after contract award). page 33

Contract Award Report (to be completed and submitted with first payment application prior to Sept. 1 of contract year and updated and submitted with last payment applications). page 34

**REMINDER**

Include estimated design fee identified in Section 5: Compensation on page 19.

*\* N/A per Addendum 1.*

**PROPOSERS INFORMATION PAGE**

(This page must be completed and inserted in Section 1)

Town of Lake Park RFP 104- 2015

Company Name: West Architecture + Design, LLC

Authorized  
Signature:

Martha A. Morgan  
Signature

Martha A. Morgan  
Print Name

Title:

President

Corporate  
Address:

318 South Dixie Highway, Suite 4-5

Street

Lake Worth

Town

FL

State

33460

Zip Code

Telephone: 561-588-2027 Fax: 561-582-9419

Email Address: mamorgan@westconstructioninc.net

Remit To Address:

318 South Dixie Highway, Suite 4-5

Street

Lake Worth

Town

FL

State

33460

Zip Code

Web Site (if applicable): N/A

Federal ID No.: 26-2447963 This is a requirement of every Proposer.

**CONFIRMATION OF DRUG-FREE WORKPLACE\*\***

In accordance with Section 287.087, Florida Statutes, whenever two or more proposals are equal with respect to price, quality, and service which are received by any political subdivision for the procurement of commodities or contractual services, a proposal received from a business that certifies that it has implemented a drug-free workplace program shall be given preference in the award process. In order to have a drug-free workplace program, a business shall:

(1) Publish a statement notifying employees that the unlawful manufacture, distribution, dispensing, possession, or use of a controlled substance is prohibited in the workplace and specifying the actions that will be taken against employees for violations of such prohibition.

(2) Inform employees about the dangers of drug abuse in the workplace, the business's policy of maintaining a drug-free workplace, any available drug counseling, rehabilitation, and employee assistance programs, and the penalties that may be imposed upon employees for drug abuse violations.

(3) Give each employee engaged in providing the commodities or contractual services that are under proposal a copy of the statement specified in subsection (1).

(4) In the statement specified in subsection (1), notify the employees that, as a condition of working on the commodities or contractual services that are under proposal, the employee will abide by the terms of the statement and will notify the employer of any conviction of, or plea of guilty or nolo contendere to, any violation of chapter 893 or of any controlled substance law of the United States or any state, for a violation occurring in the workplace no later than 5 days after such conviction.

(5) Impose a sanction on, or require the satisfactory participation in a drug abuse assistance or rehabilitation program if such is available in the employee's community by, any employee who is so convicted.

(6) Make a good faith effort to continue to maintain a drug-free workplace through implementation of this section.

As the person authorized to sign this statement on behalf of West Architecture + Design, LLC, I certify that West Architecture + Design, LLC complies fully with the above requirements.

*Martha A. Morgan* 06/30/2015  
Authorized Representative's Signature Date

Martha A. Morgan President  
Name: Position:

**\*\* If this form is not completed and submitted in the proposal, the Town will assume the Proposer has not implemented a drug-free workplace program.**

**REPRESENTATIONS AND DISCLOSURES**  
**RFP 104-2015**

STATE OF FLORIDA }

} SS:

COUNTY OF PALM BEACH }

I am a officer of the Proposer firm, named below, submitting its qualifications under an RFP and am authorized to make the following Representations and Disclosures on behalf of the Proposer. I certify or affirm that to the best of my knowledge and belief, the following statements are true:

1. Proposer agrees that its proposal may become part of any contract entered into between the Town and the Proposer.
2. There are no actual, apparent or potential conflicts of interest with Proposer or any sub-consultants or subcontractors that are present or could develop with respect to the scope of services for the project/study and any parties to this solicitation or any third parties.
3. Submittal of Proposer's Proposal is made without connection with any persons, company or party making another submittal, and that it is in all respects fair and in good faith without collusion or fraud.
4. Proposer has not filed for bankruptcy in the past five (5) years.
5. Neither Proposer nor any of Proposer's principals have been convicted of or indicted for a felony or fraud.
6. Proposer and any parent corporations, affiliates, subsidiaries, members, shareholders, partners, officers, directors or executives thereof are not presently debarred, proposed for debarment or declared ineligible to bid or participate in any federal, state or local government agency projects and are not listed on the Florida convicted vendor list.
7. Proposer warrants that it has not employed or retained any company or person, other than a bona fide employee working solely for Proposer, to solicit or secure an award under this RFP and that it has not paid or agreed to pay any person, company, corporation, individual, or firm, other than a bona fide employee working solely for Proposer, any fee, commission, percentage, gift, or any other consideration contingent upon or resulting from an award.
8. Proposer certifies the compensation and hourly rates and other expenses or costs to be compensated as proposed are accurate, complete and current and the time of contracting and no higher than those charged to the Proposer's other customers for the same or substantially similar service in the Southeast Region of the United States during the preceding twelve (12) month period.
9. Proposer certifies to the best of its knowledge and belief that no funds or other resources received in connection with an award of a contract from this RFP will be used directly or indirectly to influence legislation or any other official action by the Florida Legislature or any state agency.

I certify or affirm that to the best of my knowledge and belief, the above 9 statements are true.

Proposer Firm: West Architecture + Design, LLC

Officer's Name: Martha A. Morgan Title: President

Signature: Martha A. Morgan

AFFIRMED AND SIGNED before me this 30th day of June, 2015  
by Martha A. Morgan (name) as President (title) of  
West Architecture + Design, LLC (Proposer firm), and who is personally known to me  
or produced \_\_\_\_\_ as identification.

Racquel J. Barrett  
Notary Public

Notary Stamp:



**NONCOLLUSION AFFIDAVIT OF PRIME BIDDER**  
**(CONSULTANT)**

State of Florida  
County of Palm Beach

BEFORE ME, the undersigned authority, personally appeared Martha A. Morgan, who, after being by me first duly sworn, deposes and says of his/her personal knowledge that:

- (1) He is President of West Architecture + Design, LLC, the Bidder (consultant) that has submitted a Proposal to perform work for the following project:

Contract #: 104-2015 Project Name: Architectural/Engineering Services Kelsey & Lake Shore Park Restrooms & Tennis Court Lighting

- (2) He is fully informed respecting the preparation and contents of the attached Proposal and of all pertinent circumstances respecting such Proposal;
- (3) Such Proposal is genuine and is not a collusive or sham Proposal;
- (4) Neither the said Bidder nor any of its officers, partners, owners, agents, representatives, employees or parties in interest, including this affiant, has in any way colluded, conspired, connived or agreed, directly or indirectly with any other Bidder, firm or person to submit a collusive or sham Proposal in connection with the Contract for which the attached Proposal has been submitted or to refrain from bidding in connection with such Contract, or has in any manner, directly or indirectly, sought by agreement or collusion or communication or conference with any other Bidder, firm or person to fix the price or prices in the attached Proposal or of any other Bidder, or to fix any overhead, profit or cost element of the Proposal price or the Proposal price of any other Bidder, or to secure through any collusion, conspiracy, connivance or unlawful agreement any advantage against Palm Beach County or any person interested in the proposed Contract: and
- (5) The price or prices quoted in the attached Proposal are fair and proper and are not tainted by any collusion, conspiracy, connivance or unlawful agreement on the part of the Bidder or any of its agents, representatives, owners, employees, or parties in interest, including this affiant.

*Martha A Morgan*

Signature  
Martha A. Morgan, President

Subscribed and sworn to (or affirmed) before me this 30th day of June 2015 by Martha A. Morgan, who is personally known to me or who has produced \_\_\_\_\_ as identification.

NOTARY SEAL:



**RACQUEL J. BARRETT**  
MY COMMISSION # FF 236934  
EXPIRES: June 3, 2019  
Bonded Thru Budget Notary Services

Notary Signature: \_\_\_\_\_

*Racquel J. Barrett*

Notary Name: Racquel J. Barrett

Notary Public-State of Florida

**ANTI-KICKBACK AFFIDAVIT**  
**(CONSULTANT)**

STATE OF FLORIDA  
COUNTY OF PALM BEACH

BEFORE ME, the undersigned authority, personally appeared Martha A. Morgan, who, after being by me first duly sworn, deposes and says:

(1) I am President of West Architecture + Design, LLC, the consultant that has submitted a proposal to perform work for the following project:

Contract #: 104-2015 Project Name: Architectural/Engineering Services Kelsey & Lake Shore Park Restrooms & Tennis Court Lighting

(2) I, the undersigned, hereby depose and say that no portion of the sum proposed and/or awarded in connection with the work to be performed on the above identified project will be paid to any employee of Palm Beach County or Town of Lake Park as a commission, kickback, reward or gift, directly or indirectly by me or any member of my firm or by an officer of the corporation.

*Martha A Morgan*

Signature  
Martha A. Morgan, President

Subscribed and sworn to (or affirmed) before me this 30th day of June 2015 by Martha A. Morgan, who is personally known to me or who has produced \_\_\_\_\_ as identification.

*Racquel J. Barrett*

NOTARY SEAL:



**RACQUEL J. BARRETT**  
MY COMMISSION # FF 236934  
EXPIRES: June 3, 2019  
Bonded Thru Budget Notary Services

Notary Signature: \_\_\_\_\_

Notary Name: Racquel J. Barrett  
Notary Public-State of Florida

**CERTIFICATION OF NONSEGREGATED FACILITIES**  
**(CONSULTANT)**

The below named Consultant certifies that he/she does not maintain or provide for his/her employees any segregated facilities at any of his/her establishments, and that he/she does not permit his/her employees to perform their services at any location, under his/her control where segregated facilities are maintained. The Consultant certifies further that he/she will not maintain or provide for his/her employees any segregated facilities at any of his/her establishments, and that he/she will not permit his/her employees to perform their services at any location under his/her control where segregated facilities are maintained. The Consultant agrees that a breach of this certification will be a violation of the Equal Opportunity clause in any contract resulting from acceptance of this bid. As used in this certification, the term "segregated facilities" means any waiting rooms, work areas, restrooms and washrooms, restaurants and other eating areas, time clocks, locker rooms and other storage or dressing areas, parking lots, drinking fountains, recreation or entertainment areas, transportation and housing facilities provided for employees which are segregated by explicit directive or are in fact segregated on the basis of race, color, religion, or national origin, because of habit, local custom, or otherwise. The Consultant agrees that (except where he/she has obtained identical certification from proposed subcontractors for specific time periods) he/she will obtain identical certifications from proposed subcontractors prior to the award of subcontracts exceeding \$10,000 which are not exempt from the provisions of the Equal Opportunity clause, and that he/she will retain such certifications in his/her files.

NOTE: The penalty for making false statements in offers is prescribed in 18 U.S.C. 1001.

Project Name: Architectural/Engineering Services Kelsey & Lake Shore Park Restrooms & Tennis Court Lighting

Company Name and Address:

West Architecture + Design, LLC

318 South Dixie Highway, Suite 4-5

Lake Worth, FL 33460

*Martha A. Morgan*  
Signature

Martha A. Morgan, President  
Name and Title

06/30/2015  
Date

S:\CapImp\pr\MUNICIPAL\LakePark\Lakeshore & KelseyPrksRenovations\FedReq\_Constant.WPD

**CERTIFICATION OF ELIGIBILITY OF CONTRACTOR  
(FOR CONSULTANT)**

STATE OF FLORIDA  
COUNTY OF PALM BEACH

BEFORE ME, the undersigned authority, personally appeared Martha A. Morgan, who, after being by me first duly sworn, deposes and says of his/her personal knowledge that  
(1) He/she is the President of West Architecture + Design, LLC, hereinafter referred to as the "Contractor" (consultant); who submitted a proposal to perform work for the following project:

Contract #: 104-2015 Project Name: Architectural/Engineering Services Kelsey & Lake Shore Park Restrooms & Tennis Court Lighting

- (2) He/she is fully informed that the Proposal submitted for work to be performed under the above mentioned contract, is being funded, in whole or in part, by a Federally-assisted or insured contract; and
- (3) The Contractor nor any of its officers, partners, owners or parties of interest is not named on the current General Services Administration List of Parties Excluded from Federal Procurement or Non-procurement Programs prior to award of the contract; and
- (4) The Contractor acknowledges that should the contractor be subsequently found ineligible after award of the contract, its Contract shall be terminated and the matter referred to the Department of Labor, the Department of Housing and Urban Development, or the General Services Administration for its action; and
- (5) The Contractor acknowledges the responsibility of informing all of its subcontractors that this contract is being funded, in whole or in part, by a Federally-assisted or insured contract; and
- (6) The Contractor acknowledged the responsibility that all of its subcontractors (subconsultants) are to sign a "Certification Regarding Debarment Suspension, Ineligibility and Voluntary Exclusion-Lower-Tier Participant" as a part of its contract with such subcontractors (subconsultants), and that the "Contractor" will retain such certifications in its files. Furthermore, should the subcontractor (subconsultant) be subsequently found ineligible after award of the Contract, its contract with the "Contractor" shall be terminated and the matter referred to the Department of Labor, the Department of Housing and Urban Development, or the General Services Administration, for its action.

Martha A. Morgan  
Signature  
Martha A. Morgan, President

Subscribed and sworn to (or affirmed) before me this 30th day of June, 2015 by Martha A. Morgan, who is personally known to me or who has produced \_\_\_\_\_ as identification.

NOTARY SEAL:



**RACQUEL J. BARRETT**  
MY COMMISSION # FF 236934  
EXPIRES: June 3, 2019  
Bonded Thru Budget Notary Services

Notary Signature: \_\_\_\_\_

Notary Name: Racquel J. Barrett  
Notary Public-State of Florida



**ADDENDUM NO. 1**

June 22, 2015

**REQUEST FOR PROPOSAL RFP No. 104-2015**

**ARCHITECTURAL / ENGINEERING SERVICES KELSEY AND LAKE  
SHORE PARK RESTROOMS & TENNIS COURT LIGHTING  
IMPROVEMENTS**

Each recipient of the Addendum No.1 to the RFP No. 104-2015 who responds to the RFP, acknowledges all of the provisions set forth in the RFP document "*REQUEST FOR PROPOSAL-ARCHITECTURAL/ENGINEERING SERVICES KELSEY AND LAKE SHORE PARK RESTROOMS & TENNIS COURT LIGHTING IMPROVEMENTS*" agrees to be bound by the terms thereof. This addendum shall add information and clarification and become part of the RFP document.

**QUESTIONS RECEIVED (As of 11:00 A.M. June 19) & RESPONSE**

**Question:** Would a pre-engineered Easi-Set precast concrete restroom, that is fully-fitted and built to the specification as outlined in the Town of Lake Park RFP drawing, be considered?

**Response:** This project is Federally Funded. The RFP is requesting Architectural and Engineering Services for the design of two restroom buildings, design an interior renovation and design tennis court lighting improvements. The plans associated with the RFP have limited specifications. The architectural features of the new restroom buildings are intended to match adjacent park buildings. The buildings are in a location which requires buildings to have the highest wind load capabilities. If the architect that is associated with a pre-engineered building responds to the RFP, the submittal will be reviewed the same as other firms responding.

**Question:** Please clarify Section 5-COMPENSATION?

**Response:** Submission Criteria, Page 19, Section 5 COMPENSATION, **DISREGARD** Section 5. On page 9, Evaluation Criteria Score Sheet, **DELETE** criteria #6 "Estimated design fee as described in Section 5." The five (5) points on the Evaluation Criteria Score Sheet will be redirected to Criteria #4. Criteria #4 "Overall project workload..." will be weighted as 10.

**Question:** Must the firms be located in Palm Beach, Broward or Martin County areas to be considered for award?

**Response:** No.

**Question:** Can a firm from Miami-Dade County submit their qualifications for consideration.

**Response:** Yes.

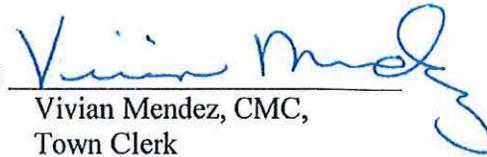
**EXHIBIT "A" SCOPE OF WORK:**

A pre-demolition pre-renovation inspection of two buildings in Kelsey Park to be demolished and one building in Lake Shore Park to be renovated has been performed. A report prepared by Morse Associates, Inc. has been prepared and no asbestos containing materials were identified within the three buildings. The report did not test for the presence of lead based paint.

On page 20 second paragraph—**DISREGARD** reference to asbestos flooring

.....  
Proposers must acknowledge receipt of this Addendum Number 1 in the space provided below. This Addendum forms an integral part of the RFP document and therefore must be executed and submitted with the proposal.

Issued By: Town of Lake Park  
Office of the Town Clerk  
June 22, 2015

By:   
Vivian Mendez, CMC,  
Town Clerk

Proposer: West Architecture + Design, LLC

Signed By:   
Print Name: Martha A. Morgan  
Title: President  
Date: 06/30/2015

End of Addendum #1

# *State of Florida*

## *Department of State*

I certify from the records of this office that WEST ARCHITECTURE + DESIGN, LLC, is a limited liability company organized under the laws of the State of Florida, filed on September 20, 2007, effective September 20, 2007.

The document number of this company is L07000096199.

I further certify that said company has paid all fees due this office through December 31, 2015, that its most recent annual report was filed on January 7, 2015, and its status is active.

*Given under my hand and the  
Great Seal of the State of Florida  
at Tallahassee, the Capital, this  
the Seventh day of January, 2015*



*Ken Dietzner*  
**Secretary of State**

Authentication ID: CC7458454047

To authenticate this certificate, visit the following site, enter this ID, and then follow the instructions displayed.

<https://efile.sunbiz.org/certauthver.html>

## SECTION 2: PAST EXPERIENCE / RESUMES

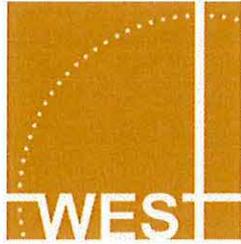
**West Architecture + Design, LLC** is a Florida Limited Liability Corporation with the parent company being **West Construction, Inc.** The firm is located in Lake Worth Florida.

The Managing Principal will be **Matthew West** and the Design Principal / **Project Manager** will be **Peter Ganci**. Both Matthew and Peter will be assigned to the project from the kickoff meeting to the final completion of the project.

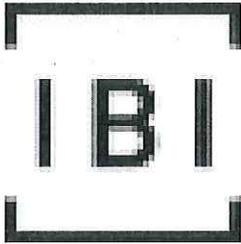
The following pages will demonstrate that the firms involved and their key personnel have the appropriate licenses, registrations and certifications to provide the required services for this project.

Also included are past & current projects performed for other governments agencies within the past (5) five years and letters of recommendation.





**West Architecture + Design, LLC** will be the Architect



**IBI Group (Florida) Inc.** will be the Civil, Landscape, Mechanical, Electrical, Plumbing, and Structural Engineer



**Nutting Engineers of Florida, Inc.** will be the Geotechnical Engineer



**Avirom & Associates, Inc.** will be the Surveying Engineer



## RESUMES

**Matthew F. West****AIA, CGC***Vice President / Principal in Charge*

As co-founder and principle, Mr. West brings over 16 years of architectural and construction experience to the firm. His diverse project experience includes both public and private sector projects. In addition to his responsibilities for overseeing the firm, Mr. West is responsible for the overall office management, client relations and administrative activities. He is involved in overseeing all projects, utilizing his skills and abilities to ensure the highest level of quality and project supervision.

**Experience**

Total: 21 years

With West: 16 years

**Education**Bachelor of Science in Architecture -  
Florida A & M UniversityBachelor of Architecture -  
Florida Atlantic University**Credentials**

Florida Registered Architect

Florida Certified General Contractor

OSHA-certified 10-hour Safety Training

**Professional &  
Community Affiliations**

American Institute of Architects

U.S. Green Building Council -  
South Florida Chapter

Associated General Contractors

Florida Trust for Historic Preservation

National Trust for Historic Preservation

Lake Worth Chamber of Commerce

**Project Experience****Fire Station #110**

Lauderhill, Florida

\$3.7 Million, 16,000 SF, 2-Story, LEED

Project Involvement: Principal

**Emergency Operations Center**

Lauderdale Lakes, Florida

\$415,509, 8,000 SF, Renovation

Project Involvement: Principal

**Lantana Police Annex Building**

Lantana, Florida

\$450 K, 2,569 SF, Renovation

Project Involvement: Principal

**Pompano—Beach Library**

Pompano Beach, Florida

\$1.5 Million, 5,400 SF, 1-Story, LEED

Project Involvement: Principal

**Jupiter Keepers Lighthouse Building**

Jupiter, Florida

\$173K, Restoration

Project Involvement: Principal

**Lindsey Davis Community Center**

Riviera Beach, Florida

\$300k, 2,695 SF, 2-Story, Addition

Project Involvement: Principal

**Emergency Operations Center**

Lauderdale Lakes, Florida

\$415,509, 8,000 SF, Renovation

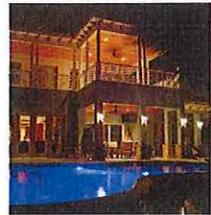
Project Involvement: Principal

**Oakland Park City Hall ADA Restrooms**

Oakland Park, Florida

\$46 K, +/- 246 SF, Renovation

Project Involvement: Principal



614 S. Lake Drive



1955 NE 4th St



650 West Gaines Street



Jupiter Keeper's Building



Trojan House

## RESUMES

**Peter Ganci**

**Assoc AIA, LEED® AP BD+C**  
*Principal*

Mr. Ganci is a co-founder and principal in charge of design and production of the projects within the firm. He has a diverse range of experience in both public and private projects. In addition to his management duties, Mr. Ganci oversees assignments from the beginning to the end, producing drawings and coordinating fully with the client and consultants along the way. He ensures that each project is developed with the firm's commitment to excellence.

**Experience**

Total: 23 years  
With West: 7 years

**Education**

Bachelor of Design in Architecture -  
University of Florida  
Bachelor of Architecture -  
Florida Atlantic University

**Credentials**

LEED® Accredited Professional  
United States Green Building Council  
Preservation Institute: Caribbean,  
University of Florida  
BIM Education Program  
AGC Florida East Coast Chapter  
REVIT Program  
Palm Beach State College

**Professional & Community Affiliations**

AIA - American Institute of Architects  
USGBC-U.S. Green Building Council -  
South Florida Chapter  
BOMA - Building Owners and Managers  
Association  
Florida Trust for Historic Preservation  
National Trust for Historic Preservation

**Project Experience****Fire Station #110**

Lauderhill, Florida  
\$3.7 Million, 16,000 SF, 2-Story, LEED  
Project Involvement: Principal



Lauderhill Fire Station 110

**Emergency Operations Center**

Lauderdale Lakes, Florida  
\$415,509, 8,000 SF, Renovation  
Project Involvement: Principal



Palm Springs Municipal Complex

**Lantana Police Annex Building**

Lantana, Florida  
\$450 K, 2,569 SF, Renovation  
Project Involvement: Principal



Lantana Police Annex

**Pompano—Beach Library**

Pompano Beach, Florida  
\$1.5 Million, 5,400 SF, 1-Story, LEED  
Project Involvement: Principal



Lantana Police Annex

**Jupiter Keepers Lighthouse Building**

Jupiter, Florida  
\$173K, Historic Restoration  
Project Involvement: Principal



Pompano—Beach Library

**Lindsey Davis Community Center**

Riviera Beach, Florida  
\$300k, 2,695 SF, 2-Story, Addition  
Project Involvement: Principal



Haverhill Medical Office

**Emergency Operations Center**

Lauderdale Lakes, Florida  
\$415,509, 8,000 SF, Renovation  
Project Involvement: Principal



Institute of Human Performance Gym

**Oakland Park City Hall ADA Restrooms**

Oakland Park, Florida  
\$46 K, +/- 246 SF, Renovation  
Project Involvement: Principal



Palm Beach International Raceway - Pit Suites

## RESUMES

**John A. Erickson***Job Captain / Designer*

Mr. Erickson is a job captain and design assistant for production of the projects within the firm. He brings a mixture of technical and design skills to each project garnered through a decade of experience working on a wide range of public and private projects. As a client responsive project manager he focuses on communication, organization, and meeting deadlines and is involved in every phase of a project from pre-design to construction administration.

**Experience**

Total: 10 years

**Education**

Bachelor of Environmental Design -  
University of Colorado | Boulder  
Master of Architecture -  
University of Colorado | Denver

**Credentials**

AutoDesk AutoCAD certification  
AutoDesk 3dsMax Design certification

**Professional &  
Community Affiliations**

AIA American Institute of Architects  
USGBC US Green Building Council  
AUGI AutoDesk User Group International

**Project Experience****Fire Station #110**

Lauderhill, Florida  
\$3.7 Million, 16,000 SF, 2-Story, LEED  
Project Involvement: Project Manager



Lauderhill Fire Station 110

**Streets at SouthGlenn**

Centennial, Colorado  
\$335 Million, Mixed-use  
Project Involvement: Assistant Designer



Streets at SouthGlenn

**Furniture ROW**

Dacono, CO  
85,000 SF, Retail  
Project Involvement: Assistant Project Manager



Furniture ROW

**Denver News Agency Tower**

Denver, CO  
32,000 SF, Office  
Project Involvement: Production



Denver News Agency Building

**Pompano - Beach Library**

Pompano Beach, Florida  
\$1.5 Million, 5,400 SF, 1-Story, LEED  
Project Involvement: Production



Pompano—Beach Library

**Southshore Lakehouse**

Aurora, CO  
Community Building  
Project Involvement: Production



Southshore Lakehouse

**Metco Landscaping Office**

Aurora, CO  
Office / Industrial  
Project Involvement: Assistant Project Manager



Metco Headquarters office

**Fire Station #178**

Tamarac, Florida  
\$3.5 Million, 7,000 SF, 1-Story, LEED  
Project Involvement: Project Manager

**Kevin E. Wood** P.E., BCEE  
**Principal, Vice President**

Mr. Wood's strong background in preliminary development, capital planning and budget development, detailed design and construction administration provides communities with an improved quality of life through superior engineering, particularly with reference to local jurisdiction water and wastewater projects.

Mr. Wood has helped municipalities and townships identify, apply for and receive state and federal grant and loan monies for infrastructure development projects, after providing the facilities planning necessary to establish community needs and costs.

Mr. Wood has worked directly with numerous water and sewer systems throughout Ohio and has managed projects of various sizes and types. His expertise matching infrastructure and economic development needs of communities with available resources is critical to providing satisfactory solutions. As Project Manager for water and wastewater projects, his project involvement begins at the inception of the project and continues through to the design, funding, construction and rate determination stages.

**Representative Experience**

**Wastewater/Sewer**

- Springfield Airport & AirPark Ohio Sanitary Trunk Sewer – City of Springfield
- Market Mohawk Sewer Modeling – City of Columbus Wastewater
- Treatment & Collection System – Village of Shawnee
- Wastewater Improvements – Springfield Airport
- Sanitary Sewer Evaluation Study – Muskingum County Sewer Department
- Derby Sanitary Sewer Improvements – Pickaway County Commissioners
- Belle Valley Sewers – Noble County Commissioners
- Wastewater Treatment System – Village of Junction City
- Northern Perry Wastewater Treatment & Collection – Perry County
- Bartlett Run Sanitary Sewer Trunk Line – Muskingum County Commissioners
- Alum Creek Water Reclamation Facility – Delaware County
- Golf Course Effluent Recycling Irrigation System – Delaware County
- Target Distribution Center – MTB & Archer Western Contractors

**Education**

B.S., Civil Engineering, Ohio University, Athens, OH, 1986

**Experience**

**2014–Present**

IBI Group, Westerville, OH, Principal, Vice President

**2013–2014**

M•E/IBI Group, Westerville, OH, Principal, Vice President

**1986–2013**

M•E Companies, Inc., Westerville, OH

**Memberships**

Water Environment Federation

American Society of Civil Engineers

National Groundwater Association

Engineers Club of Columbus

Society of American Military Engineers (SAME)

**Registrations**

Professional Engineer, State of Ohio, 1992;  
 #56426

Board Certified Environmental Engineer



**Water**

- Sandyville Water System (water tank pumping station and waterlines construction services) – Tuscarawas County
- Elevated Water Tank – Village of New Albany
- Water Treatment & Distribution System – Village of Buckeye Lake
- Springfield Airport & AirPark Ohio Water & Sewer – City of Springfield
- Water Treatment Plant – Village of Pomeroy
- Millersport Waterline and Elevated Tank – Village of Millersport
- Waterline & Standpipe, Phases 1, 2 & 3 – Village of Junction City
- Glenford Water Distribution System – Village of Glenford
- Water Treatment Plant & Water Main – Village of Pleasantville
- Water Filtration & Treatment Facility Plan – Village of Sugar Grove
- Thurston Waterline Improvement – Village of Thurston
- Feasibility Study – Muskingum County Water & Sewer District
- Rip Rap Road Water Treatment Facility – City of Huber Heights
- Miami Villa/Chambersburg Road Water System – City of Huber Heights

**Feasibility Studies**

- Feasibility Study – Muskingum County Water & Sewer District
- Sanitary Sewer Evaluation Study – Muskingum County
- Water System Master Plan – City of Hamilton
- Water & Wastewater Master Plan – City of Huber Heights
- Water System Study – City of Springfield
- Sewer Feasibility Project – Caldwell-Belle Valley
- Treatment Plant Expansion – Tappers Plains Regional Sewer District
- Water Distribution Model – Southern Perry County Water District



**James R. Fox** PE, P.ENG, LEED AP  
**Associate Director**

Mr. Fox has the authority and responsibility for administration of corporate operations and projects. His responsibilities include project organization, scheduling, scope definition, manpower planning, budgeting and expediting the various design disciplines, as well as monitoring their quality and progress. For selected projects, he serves as the upper level liaison with our client.

**Representative Experience**

*Automotive*

**Chrysler Group LLC – MEAP 250K Program – Detroit, MI** – Chrysler LLC manufactures the new Pentastar V6 Engine at the Trenton South Engine Plant in Trenton, Michigan. This project involves modifications of the existing Mack Ave Engine Plant 1 (MAEP1) building infrastructure, which currently manufactures V8 engines, to support new machine lines and engine assembly for expansion of the Pentastar volume. The 250K Program consists of adding Cylinder Block, Crankshaft, and Cylinder Head machining and the engine assembly into the MAEP1 Facility.

**BMW – Building F26 West Body Shop Addition – Spartanburg, SC** – IBI Group provided full AE services for an eighty three (83) bay (approximate 311,250 sq.ft.) building for body shop operations. The bays will have a 75x50 grid system with a 9” unreinforced slab. Included with this is an outside fuel tank to support the building with an 18” thick reinforced slab on grade. Building elevation is 8m x 3m x 3m. Provisions for future expansion on exterior walls will be made. Also included in our scope is a two (2) story office structure along North elevation of body shop with footprint of approximately 17,500 sq.ft

**Mercedes-Benz U.S. International, Inc. – Plant Expansion – Tuscaloosa, AL** – To support the new C Class program, Mercedes-Benz U.S. International, Inc. (MBUSI) has engaged IBI Group to provide full Architecture and Engineering services to significantly renovate and expand the existing facility. The only North American Mercedes facility is approximately 3.215 Million Square Feet and has 2 Body Shops, 2 Paint Shops, 2 General Assembly Buildings, energy center and associated ancillary facilities to support automobile assembly operations.

**Education**

Masters in Business Administration, Wayne State University, Detroit, MI, 1993

B.S. (Mechanical Engineering), Michigan State University, East Lansing, MI, 1981

**Experience**

**2008–Present**  
 IBI Group, Southfield, MI, Associate Director

**1990–2008**  
 Giffels, LLC, Southfield, MI, Operations Manager, Mechanical Department Head, Project Manager, Mechanical Project Engineer

**Memberships**

- Michigan Society of Heating, Refrigeration & Air Conditioning (ASHRAE)
- Michigan Society of Mechanical Engineers (ASME)
- Engineering Society of Detroit (ESD)
- National Society of Professional Engineers (NSPE)

**Registrations**

- United States – NCEES
- Alabama – PE
- Arizona – PE
- British Columbia – PE
- Arkansas – PE
- California – PE
- Colorado – PE
- Delaware – PE
- District of Columbia – PE
- Florida – PE
- Georgia – PE
- Illinois – PE
- Indiana – PE
- Iowa – PE
- Kansas – PE
- Kentucky – PE
- Louisiana – PE
- Maine – PE
- Maryland – PE
- Massachusetts – PE
- Michigan – PE



**BMW – Warehouse and Building 50.0 Assembly Hall – Spartanburg, SC**

The project includes a seventy two (72) bay 141,600 sq.ft., North expansion to the existing logistics warehouse building including: entrance, break area, locker rooms, toilet rooms and (2nd story) office. Also included is a 11,000 sq.ft., bridge connecting to the existing Hall 50.0 Assembly Building including enclosure with three (3) Elevators, approximately 12ft x 60ft each. Other additions include an eight (8) bay 15,000 sq.ft., West expansion to the existing logistics warehouse building plus 43,000 sq.ft., Automatic Storage and Retrieval Building denoted as "Small Parts Warehouse" (SPW) is included. Demolition of 4,500 sq.ft., administrative area within the existing warehouse building is necessary for the expansions to commence. A 13,000 sq.ft., building expansion of the existing Hall 50.0 Assembly building including demolition/assimilation of the existing 5,000 sq.ft., West End café, plus two additional structures expanded to accommodate a total of eight (8) additional dock positions.

**BMW – West Body Shop – Spartanburg, SC** – Scope of work includes full A/E services for an eighty three (83) bay (approximate 311,250 sq.ft.) building for body shop operations. The bays will have a 75x50 grid system with a 9" unreinforced slab. Included with this is an outside fuel tank to support the building with an 18" thick reinforced slab on grade. Building elevation is 8m x 3m x 3m. Provisions for future expansion on exterior walls will be made.

**Porsche Cars North America – Test Tracks – 2 Locations; Atlanta, GA and Carson, CA** – Porsche Cars North America is developing two training facilities in North America. IBI Group is providing engineering and design for the tracks and site work at both sites. Both complex's will include a state-of-the-art test track and handling course, including areas where special low friction surfaces replicate rain, ice, and snow conditions. These training sections include the Ice Hill (low friction hill), where a steep slope, computer-controlled water jets, and a low-friction surface will challenge even the most experienced drivers and help improve their real-world skills. A special off-road area will combine 45-degree declines and ascents.

**General Motors Corporation – Battery Charging Stations – Detroit, MI** – Executive in Charge of project. IBI Group was requested to provide engineering services for the design of charging stations for the GM Volt vehicle testing. IBI Group has provided designs of different charging station configurations at several other GM sites. The requirements vary from simple wall mounted devices in the executive parking bays to covered carports in general parking and high profile stations to become part of the entrance into the public sector. We have developed an understanding of the potential growth in this market and have researched the different levels for the charging stations and possible networking capabilities these systems contain. As this market develops, IBI Group is well positioned to respond appropriately based on the experience we are obtaining in researching and designing these charging stations, their equipment and associated devices.

**Registrations Continued**

Minnesota – PE  
 Mississippi – PE  
 Missouri – PE  
 Montana – PE  
 Nebraska – PE  
 Nevada – PE  
 New Hampshire – PE  
 New Jersey – PE  
 New Mexico – PE  
 New York – PE  
 North Carolina – PE  
 Ohio – PE  
 Oklahoma – PE  
 Oregon – PE  
 Pennsylvania – PE  
 Puerto Rico – PE  
 Rhode Island – PE  
 South Carolina – PE  
 South Dakota – PE  
 Tennessee – PE  
 Texas – PE  
 Utah – PE  
 Vermont – PE  
 Virginia – PE  
 Washington – PE  
 West Virginia – PE  
 Wisconsin – PE



**General Motors Corporation – Global Battery Systems Lab – Warren, MI** – Executive in Charge of project. The new Battery Testing Labs consist of three functional areas including, the Pack Testing Area, Cell and Module Testing Area, and a World Class Entrance, Corridor, Node and Office Area. The projects for all three of these areas consisted of removal and replacement of walls and partitions, new power and lighting systems, fire suppression systems, mechanical piping and ductwork systems, and noise and vibration evaluations. This was a high profile project with a very aggressive construction schedule. The new facility is approximately four times larger than the previous battery lab operation and features 160 test channels and 42 thermal chambers that subject batteries to real-world driving conditions and temperature variations. It also has 32 battery cyclers, “treadmills” used to deplete and charge the packs repeatedly.

**Chrysler Group LLC – Global Engine Manufacturing Alliance – Dundee, MI** – IBI Group, working in conjunction with Barton Malow Company, is providing engineering and architecture services to support six predesigned, prefabricated dynamometer units at the Global Engine Manufacturing Alliance facility in Dundee, Michigan. The dynamometers are used to test randomly selected engines pulled from the production line. The engineering and architectural modifications to the existing facility are required because the new dynamometer units will occupy space formerly used to store recycling and scrap bins outside. IBI Group scope of work includes design of mat foundations, fuel tank containment and piping, wall openings, roof openings, exhaust fan ducting, blowout panel ducting, modifications to the storm water discharge system and routing extensions for chilled water, return water, electrical power, fire alarm units, natural gas, utilities from existing mains to the new dyno units. The project schedule was fast tracked to meet the short turnaround time.

**General Motors Corporation – St. Catharines Transmission Plant – St. Catharines, ON** – IBI Group is currently providing engineering services at the St. Catharine’s 6 Speed FWD Transmission Plant. IBI Group is responsible for gathering existing new and relocated Process Equipment data including Auto-Cad drawings, preliminary utilities Matrix, size, weight, anchoring, etc. from General Motors. We are also responsible for field survey of existing equipment to be relocated from Ypsilanti Transmission to St. Catharine’s and to verify utilities hook-up. We field verified process equipment at Ypsilanti Transmission, Toledo Transmission and St. Catharines and updated the utility matrix based on revised data for the project. Utility connections from existing or new facility service drops to new process equipment are required due to the new process equipment. This includes compressed air, coolant supply and return, cooling water, electric power and data.

**Navistar Inc. – Advanced Technology Center – Lisle, IL** – Executive in Charge of Project. IBI Group provided programming and conceptual design for Navistar’s new World Headquarters. The project included the design of two new buildings and significant renovations to 100,000 sq.ft., of existing outdated office space along with various site improvements on the campus. The new Advanced Technology Center (ATC) was planned to be approximately 225,000 sq.ft., of new facility that consolidated operations from three existing Navistar facilities from the Midwest United States to one location. The state-of-the-art facility was to include multiple testing rooms for large truck and military vehicles, including: NVH chassis and engine dynameters, chassis development, ride simulator, dynameters test cells consisting of emissions and prototype engine performance for SS/performance, durability and NVH.

**Navistar International – Engine Facility – Huntsville, AL** – Design included flume and foundations for various machining lines.

**General Motors Corporation – GM Powertrain L6 Engine Facility – Flint, MI** – New 730,000 sq.ft., plant on a Brownfield site, including site preparation, landscaping, new switchyard and substations, oil mist control, overhead flume system, fire protection tank and associated pump house, utility building, trestle, wastewater treatment facility renovations and traffic study. Also performed the fit-up work for the block, crank and assembly lines.



**Chrysler Group LLC – Mack Avenue Engine Plant – Detroit, MI** – Renovations to an existing 1,000,000 sq.ft., plant, including demolition, site preparations, coolant systems, oil mist control, chip handling system, new switchyard and substations, underground flume system, tank farm, fire and security updates, new mechanical equipment building and landscaping. Also performed work for the block, head, crank, cam, rod and assembly lines.

**Hyundai Motor Manufacturing Alabama – LLC, Greenfield Automotive Production Plant – Montgomery, AL** – Over 2 million sq.ft. auto manufacturing facility on a Greenfield site. Developed design criteria and worked on final design for the 415,000 sq.ft., Weld and Body Shop, Stamping, 810,000 sq.ft. Assembly and 320,000 sq.ft., Engine buildings as well as utility support and administration facilities.

**General Motors Corporation – Pilot Plant Renovation – Pontiac, MI** – Group Leader on a 1,250,000 sq.ft., building renovation for an automotive pilot plant. Project included fire protection, plumbing, compressed air, hot water, chilled water, weld water, exhaust systems, HVAC and process systems. Extensive field surveying and analysis were done on reworking existing rooftop HVAC units in lieu of replacing them.

**General Motors Corporation – Building Modifications – Pontiac, MI** – Modifications to existing facility consisting of refurbishing of a substation, adding power feeds, revamping the compressed air system and the weld water cooling system and adding a central weld water filtration system.

**General Motors Corporation – Building Modifications – Pontiac, MI** – Modifications to existing facility consisting of the installation of multiple truck docks and door heaters, rework utility piping systems and power feeds.

**Chrysler Group LLC – Chrysler Technology Center – Auburn Hills, MI** – Group Leader for 40,000 sq.ft., vehicle build shop. Project included offices, wood and metal dust collection, fume exhaust, weld water system, plumbing, fire protection and HVAC fit-up.

**Chrysler Group LLC – Chrysler Technology Center – Auburn Hills, MI** – Group Leader for 45,000 sq.ft., vehicle design area. Project included offices, wood and metal dust collection, fume exhaust, paint exhaust, plumbing, fire protection and HVAC fit-up.

**Ford Motor Company – St. Louis Assembly – St. Louis, MO** – Group Leader for a 420,000 sq.ft., assembly building addition to the St. Louis Assembly Plant. Project included HVAC for offices, HandV, exhaust, plumbing, and fire protection for assembly plant. Also included were various process systems, including weld water.

**Ford Motor Company – St. Louis Assembly – St. Louis, MO** – Group Leader for the addition of a 6,000 SCFM compressor and dryer in the powerhouse at the St. Louis Assembly Plant. The cooling water system was also upgraded with a new cooling tower and pumps.

**General Motors Corporation – Defiance, OH** – Group Leader for the addition of two core machines and support equipment, including hydraulic units, air dryer and receiver, dust collector, scrubber, core oven and core wash system.

**General Motors Corporation – Samco I Press Installation – New Hudson, MI** – Renovation to an existing facility including press pits, vibration isolation, press installation and mechanical/electrical hook-up, overhead cranes, laser cells, assembly cells, parts washers, new mechanical room to house compressors and dryers, new substation and associated bus duct.

**General Motors Corporation – Pontiac, MI** – Modifications to existing waste lift building including electrical, instrument/control and mechanical components. The building was also brought up to code architecturally.

**TRW – Apache East Wing – Mesa, AZ** – Design of a 15,000 sq.ft., air bag propellant manufacturing building including site preparation, addition of a substation, a wet scrubber system, dry bag-house, breathing air system, ventilation, exhaust and HVAC.



**TRW – Mesa I Site – Mesa, AZ** – Renovation of an existing 15,000 sq.ft., air bag test facility including a Wet lab, Ballistics Bay and Teardown area. Included were code studies, architectural modifications, electrical upgrades, lab hood exhaust, HVAC, site preparations and equipment fit-up.

**Chrysler Group LLC – Chrysler Technology Center – Auburn Hills, MI** – Group Leader for 45,000 sq.ft., automotive test facility. Project included offices, test chambers and a mechanical equipment room.

**Chrysler Group LLC – Chrysler Technology Center – Auburn Hills, MI** – Technical Field Coordinator for entire 3 million sq.ft., facility. Responsible for providing both technical and managerial solutions to mechanical, electrical, architectural and structural problems on-site.

**Ford Motor Company – Dearborn, MI** – Group Leader for the renovation of an existing “fuel systems” building, including HVAC, plumbing, fire protection and process systems. Numerous feasibility studies were done concerning methods of heating and cooling.

**Hyundai KIA American Technical Center – North American Headquarters – Superior Twp., MI** – IBI Group used Hyundai KIA American Technical Center Inc.’s (HATCI) initial building program and preliminary equipment specifications to develop the 60-acre site. The project houses HATCI’s research and development staff in 80,000 sq.ft., of office along with 120,000 sq.ft., of lab space.

**Denso – Environmental – Southfield, MI** – The new test chamber includes environmental control, a directed air flow circuit, a four-wheel drive dynamometer and a solar array.

### **Commercial**

**Kellogg Company – Pilot Plant and Office Expansion – Battle Creek, MI** – Kellogg’s engaged IBI Group to design an 87,000 sq. ft., pilot plant expansion and 70,000 sq. ft., of new office space, as well as a 2-story commons area that connects the expansion to the existing facility and provides 20 new “enclaves” or meeting rooms for the researchers, food engineers and suppliers to conduct formal and informal meetings within. In addition to a 50 person conference room featuring state of the art audio/visual and connectivity applications, the facility features a raised floor plenum where air distribution, data and power distribution flow through.

**Credit Acceptance Corporation – Renovation Project – Southfield, MI** – Intense programming sessions were conducted for months to capture the thoughts and ideas of each user prior to even putting pen to paper. The open office renovation has addressed the needs of the production staff as well as those of management. By minimizing the amount of offices located along the perimeter of the building, the views to the outside, as well as, natural daylight are shared by all staff.

**Detroit Entertainment, LLC – MotorCity Casino – Renovation and Hotel – Detroit, MI** – MotorCity Casino is located at the Lodge Freeway and Grand River on 26 acres, including 14 acres for a 3,500 car parking garage and 7 acres for the expanded casino and a 400 room, 17 floor hotel tower and spa. The expanded casino accommodates 3,850 workers, up from the 3,100 it originally employed. The Valet Building is the main entrance building of the Casino and the gateway from the 3,500 car Parking Garage.

### **Distribution Centers**

**United States Postal Service – Processing and Distribution Center Renovation/Expansion Project – Troy, MI** – Renovation requirements include converting approximately 150,000 sq.ft., of existing process and distribution center space into new open office space, multi-purpose areas and training space as well as refurbishment of portions of the existing building to accommodate new mechanical units, new access roads and resurfacing of the parking lot in select areas.



**United States Postal Service – Processing and Distribution Center Renovation/Expansion Project – Palatine, IL** – The scope of work involves expanding their existing Processing and Distribution Center (P&DC) to accommodate new machinery for improved distribution. Expansion requirements include approximately 53,628 sq.ft., of new distribution center space as well as refurbishment of portions of the existing building, including replacing the current observation catwalks with state-of-the-art security systems.

**FEDEX – Processing and Distribution Center Renovation/Expansion Project – Greensboro, NC** – IBI Group provided Architectural and Engineering services for the Federal Express Ground Spin-Off Hub Facility in Greensboro, North Carolina. The facility is an approximately 400,000 sq.ft., highly automated mail sorting facility with several dozen dock spaces. The site development was in excess of 80 acres and the following ancillary buildings were also included and designed and detailed for this site: Vehicle Maintenance Garage, Automatic Truck Wash Facility, Gateway Building and Site Guardhouse. The main Hub Building included Administrative Offices, Hub Operation Offices, Lunch Room and Computer and Control Rooms. Scope of services included structural engineering, architectural development, mechanical engineering, fire protection engineering, building and site electrical and instrumentation and controls engineering for the prototype facility.

### **Education**

**Wayne State University – Engineering and Manufacturing Building – Detroit, MI** – Use of manufacturing equipment as well as experience with various manufacturing techniques. The building is comprised of two wings of laboratory, classroom and office functions held together by a two-floor, open, glass-enclosed flexible lab space designed to simulate a manufacturing environment. The building includes a 70' x 160' high-bay area, seven large and 12 small research laboratories, offices for faculty and graduate students, laboratory equipment, and two fully equipped distance learning classrooms.

**Wayne State University – Bonstelle Theater Upgrades – Detroit, MI** – IBI Group was retained to provide life safety upgrades to an existing historical building used as a theatre for Wayne State University (WSU). The project involved installing a new fire alarm system, upgrading egress lighting, and designing the replacement of two exterior stairways. The main design issue for this building was to maintain the historical integrity of Bonstelle Theatre.

**Central Michigan University – Ronan Hall Renovation Project – Mt. Pleasant, MI** – IBI Group was recently awarded the Ronan Hall Renovation project by Central Michigan University. The 66,200 sq. ft., building, originally built in 1954, will undergo renovations on its second and third floors. The 40,000 sq. ft., project will convert the existing building's traditional office space layout into an inviting, functional and open office space layout meeting industry standards and practices.

### **Manufacturing**

**ThyssenKrupp Stainless USA, LLC – Melt Shop – Mobile, AL** – IBI Group was awarded ThyssenKrupp's Stainless Steel Melt Shop and Slab Yard. The ladle and melted steel are handled by 360 metric capacity ton top-running bridge cranes. Giffels/IBI was responsible for preliminary design of the Melt Shop structural steel, EAF water system and duct cooling for both inside and outside of the building, machine and spray cooling, and distribution systems for compressed air, industrial waste and fire protection. Giffels/IBI was also responsible for the complete design and documentation of the building foundations, Slab Yard structural steel and numerous platforms and mezzanines in the Melt Shop.



**ThyssenKrupp Stainless USA, LLC – Cold Rolling Mill– Mobile, AL** – IBI Group was awarded ThyssenKrupp's Project New Star, which consisted of a cold rolling mill, skin pass mill and finishing bays. The total project size is approximately 1,200,000 sq. ft. Extremely poor soil conditions and heavy process loads necessitated the design of deep foundations to accommodate the 130 foot spans that support top-running bridge cranes with lifting capacities up to 60 metric tons. Giffels /IBI was responsible for coordination with the client's equipment suppliers in order to meet the aggressive schedule.



## **William B. Kussro** PE, P.ENG, SE (CA), CCS, LEED AP BD+C Associate Director

Mr. Kussro is responsible for managing a group of 30 structural engineers, civil engineers and CADD designers. He is involved in planning, conducting and supervising a variety of engineering assignments requiring the application of detailed technical principles and practices to solve problems of significant complexity. He is responsible for the technical accuracy, administrative aspects and overall quality control of assigned projects and is aided by a group of engineers, designers and drafters under this direct supervision. In addition, Mr. Kussro is directly involved in marketing, project estimating, staffing, forecasting and other management related efforts within the organization. Mr. Kussro is a Licensed Professional Civil and Structural Engineer in 49 states and is involved in numerous professional societies and activities.

### **Representative Experience**

#### ***Automotive, Manufacturing and Industrial***

**General Motors Corporation – Paint Shop – Kansas City, KS – IBI** Group is providing architecture and engineering services for a new 937,000 sq.ft., paint shop building at the General Motors Fairfax Assembly plant in Kansas City, Kansas. The building has a 445,000 sq ft ground level, a 375,000 operating level at 20' height, a separate 22,500 sq ft paint mix, paint storage and sludge building, a 7,000 sq.ft., pre-treatment/elpo storage building and a 65,000 sq ft penthouse. The facility also includes a 22,500 sq.ft., administrative area for lockers, cafeteria and offices. The locker room, located on the ground floor, has lockers, showers and toilet facilities with passenger elevator for ADA access to upper levels. The cafeteria, on the operating level, has seating for 170 people with views to the exterior. The office area is on the 34'-0" level and has enclosed offices, open office workstations, conference rooms, copy area, break room and interior views of the Operating Level and exterior views.

**BMW – Paint Shop Addition – Spartanburg, SC – BMW** retained IBI Group to design a 60,000 sq.ft., addition to an existing paint shop at their Spartanburg, South Carolina automobile assembly facility. The expanded paint shop would provide a new paint line, allowing the facility to increase overall production. The project included the addition of a bay along the length of the paint shop to house booths and ovens, and the expansion of the existing penthouse and basement to house additional air handling equipment and the scrubber section of the booths, respectively. The penthouse also houses a chiller.

**General Motors Corporation – Engine Facility – Toluca, MX – The** new General Motors Engine Facility will be constructed on the existing General Motors de Mexico Toluca site. The new Engine Manufacturing facility will occupy an abandoned Truck Plant. A portion (approx. 390,000 sq.ft.) of the Truck Plant structure will be demolished prior to construction of the new Engine Plant.

### **Education**

National Council of Structural Engineering Associations, Structural Engineering Certification Board (NCSEA), Certified Structural Engineer (SECB), 2006

National Council for Examining Engineers and Scientists (NCEES) Model Law Structural Engineer (MLSE), 2005

U.S. Green Building Council (USGBC); Leadership in Energy and Environmental Design (LEED), Accredited Professional, 2004

Construction Specifications Institute (CSI) Construction Documents Technologists (CDT), 2001

Construction Specifications Institute (CSI) Certified Construction Specifier (CCS), 2001

M.S.C.E., Michigan State University, East Lansing, MI, 1992

B.S.C.E., Michigan State University, East Lansing, MI, 1991

### **Experience**

**2008–Present**  
IBI Group, Southfield, MI, Associate Director

**2005–2008**  
Giffels, Inc., Southfield, MI, Director, Structural and Civil Engineering

**1995–2005**  
Giffels, Inc., Southfield, MI, Project Structural Engineer

**1992–1995**  
Black & Veatch, Ann Arbor, MI, Staff Structural Engineer

### **Memberships**

National Society of Professional Engineers (NSPE)

Michigan Society of Professional Engineers (MSPE)

Engineering Society of Detroit (ESD)

American Society of Civil Engineers (ASCE)

President-Elect of Structural Engineers Association of Michigan (SEAMI)

American Institute of Steel Construction (AISC)

American Concrete Institute (ACI)

Concrete and Reinforcing Steel Institute (CRSI)

Precast and Prestressed Concrete Institute (PCI)

National Council of Structural Engineering Associations (NCSEA) Code Advisory Sub-Committee on General Engineering, Member



**General Motors Corporation – Casting Facility – Toluca, MX** – The new General Motors de Mexico Casting Facility will be constructed on a green field site at the GMM Toluca Truck. IBI Group is providing complete design; Architecture, Structural Engineering, Civil Engineering, Mechanical Engineering and Electrical Engineering in multiple bid packages. The Casting Facility will be part of the new Engine Powertrain Facility at that site. The Plant will be approximately 350,000 sq.ft., and house the casting process for aluminum heads. A new utility trestle, approximately one half mile in length, is required for power, water and waste. External to the facility will be a new Fire Loop as well as a new Ring Road and Marshalling area.

**Mercedes-Benz U.S. International, Inc. – Assembly Plant Modifications – Vance, AL** – To support the new C Class program, Mercedes-Benz U.S. International, Inc. (MBUSI) engaged IBI Group to provide full Architecture and Engineering services to significantly renovate and expand the existing facility. The only North American Mercedes facility is approximately 3.215 Million Square Feet and currently has 2 Body Shops, 2 Paint Shops, 2 General Assembly Buildings, energy center and associated ancillary facilities to support automobile assembly operations. Our renovation and expansion work included studies and investigations to upgrade the energy center to accommodate utility system capacities to support the new process by employing energy saving methods. An existing Paint Shop was selectively demolished, 210,000 sq.ft., retrofitted and 135,000 sq.ft., added to create a new Body Shop Building. Spanning the width of the site were new conveyors and mezzanines that are required to connect the new body shop to the existing body shop. A new 21,400 sq.ft., paint shop oven space was added to the current roof of existing body shop to accommodate the new paint process. The paint shop building was expanded 200,000 sq.ft., to accommodate new pre-treatment, Ecoat, seam sealing and other paint processes. An expansion to the existing ASRS doubled the body storage capacity. The project included significant involvement with MBUSI Team Members in Vance, Daimler Facility Planning, and Factory Planning representatives in Germany. The entire project was designed in 3D BIM and met MBUSI's Digital Factory Standards and use Mercedes-Benz's proprietary data management system (Faplis).

**Ford Motor Company – Dearborn Truck Plant – Dearborn, MI** – Demolition and renovation of existing Glass Plant and construction of new 850,000 sq.ft., Body Shop. 1,000,000 sq.ft., Assembly Building, Chiller Building, Body-in-White and Painted Body Conveyor Enclosures, Office Facilities and other ancillary facilities.

**Ford Motor Company – Ford Rouge Center Complex – Dearborn, MI** – Facility programming, master planning, design, and contract documents for the Rouge Industrial Site in Dearborn, MI. The project scope consists of a 1,000,000 sq.ft., Assembly Building and an 850,000 sq.ft., Body Shop. Of the current Dearborn Assembly Plant, which produces Ford Mustangs, only 50,000 sq.ft., of the existing building will remain standing and will be retrofitted to resemble the building as it originally appeared in 1916.

## Memberships Continued

Michigan State University College of Civil and Environmental Engineering Professional Advisory Board, Member

Recipient of Building Design and Construction Magazine 40-Under-40 AEC Professionals Award, 2007

Structural Engineers Association of Michigan (SEAM) Structural Engineer of the Year - 2012

Structural Engineers Association of Illinois (SEAOI)

Structural Engineers Association of Southern California (SEAOSC)

Florida Structural Engineers Association (FSEA)

## Registrations

United States – NCEES MLSE

United States – NCSEA SECB

Alabama – PE

Alberta – P.Eng

Arizona – PE and SE

Arkansas – PE

British Columbia – P.Eng

California – PE & SE

Colorado – PE

Connecticut – PE

Delaware – PE

Florida – PE

Georgia – PE

Hawaii – SE

Idaho – SE

Illinois – SE

Indiana – PE

Iowa – PE

Kansas – PE

Kentucky – SE

Louisiana – SE

Maine – PE

Maryland – PE

Massachusetts – SE

Michigan – PE

Minnesota – PE

Mississippi – PE

Missouri – PE

Montana – PE



**Hyundai Motor Manufacturing of Alabama – Production Facility – Montgomery, AL** – Project consists of a body shop, stamping, assembly and engine buildings as well as support facilities.

**General Motors Corporation – Powertrain Group L6 Engine Facility – Flint, MI** – 720,000 sq.ft., engine plant including manufacturing area, distribution center, utility service building and renovation of existing 20,000 sq.ft., wastewater treatment facility.

**General Motors Corporation – Romulus Engine Facility – Romulus, MI** – This Design Build project consists of an existing 1 million sq ft facility which is to have existing process equipment and associated piping and flumes demolished. There will be 3 new Block lines, 3 new Head lines, 3 new Crank lines, and 2 new Engine Assembly lines. New work consists of an 8" fiber reinforced floor topping, two new toilet room/tornado shelter facilities, rework of pedestrian and overhead grade doors, 3 bay addition, Chip Handling Building addition, site work associated with building additions, above ground industrial waste water system, chiller, compressed air piping, non-potable water, HVAC ductwork re-work, fire protection system upgrade, truss reinforcing, replacement of lighting fixtures, upgrade of substations and associated rooms, coolant piping supply and return, and oil mist systems.

**Chrysler Group, LLC – Chrysler Motor – Mack Avenue Plant – Detroit, MI** – Developed alternative layouts and space requirements for the 4.7/3.7 engine manufacturing and assembly facility, including all support areas; renovation and expansion totaling 1,500,000 sq.ft.

**General Motors Corporation – Arlington Assembly Plant – Arlington, TX** – An expansion and 800 Series Truck conversion of the existing truck plant, including a new 750,000 sq.ft., Body Shop, relocation of existing railroad spurs, new railroad spur and new abatement building.

**Consolidated Diesel Company – Rocky Mount, NC** – Modification of existing 180,000 sq.ft., building to incorporate a new head machining area, in support of the Encore Engine Program.

**Bridgestone/Firestone, Inc. – Aiken County, SC** – Master plan and design for approximately 2.0 million sq.ft., manufacturing facility on a 550 acre Greenfield site. The facility will be capable of producing 25,000 car and light truck tires per day and is designed to accommodate increased production to 50,000 tires per day. The manufacturing process includes raw materials railroad and truck receiving mixing, calendaring, component preparation, tire assembly and cure; repair and inspection, warehousing and shipping.

**New United Motor Manufacturing – Paint Facility – Fremont, CA** – 175,000 sq.ft., automotive paint facility.

**General Motors Corporation – Metal Fabrication Division – Marion Metal Center Shear Line – Marion, IN** – Equipment foundations, slabs and pits for new shear line in existing Stamping Facility.

**General Motors Corporation – Truck Group – Truck Product Center (TPC) North Office Building – Pontiac, MI** – 600,000 sq.ft., 3-story office building with four mechanical penthouses to serve as centralized facility for engineering.

## Registrations Continued

Nebraska – SE  
 Nevada – PE and SE  
 New Hampshire – PE  
 New Jersey – PE  
 New Mexico – SE  
 New York – PE  
 North Carolina – PE  
 North Dakota – PE  
 Ohio – PE  
 Oklahoma – PE  
 Oregon – PE and SE  
 Ontario – P.Eng  
 Pennsylvania – PE  
 Rhode Island – PE  
 South Carolina – PE  
 South Dakota – PE  
 Tennessee – PE  
 Texas – PE  
 Utah – SE  
 Vermont – PE  
 Virginia – PE  
 Washington – PE & SE  
 West Virginia – PE  
 Wisconsin – PE  
 Wyoming – PE



### **Aviation**

**Oakland County International Airport – Forensic Structural Engineering Consultant Services – Waterford, MI** – IBI Group provided forensic structural engineering consulting services to review the structural failure of the wind spire installed on the roof of the new Terminal Building at the Oakland County International Airport in Waterford, Michigan. IBI Group performed a field observation to review the existing conditions, reviewed existing design documentation (e.g. engineering drawings, shop drawings, etc.), specified non-destructive testing of the failed welds, evaluated the independent testing agency reports and provided professional opinions and engineering conclusions to support both Oakland County and the OCIA.

### **Commercial**

**Lear Corporation – Corporate Headquarters Building – Southfield, MI** – 85,000 sq.ft., 3-story office building and pedestrian bridge to serve as new corporate headquarters research and development.

### **Education**

**Achieve – Cutler Pond Facility Renovation & Addition – Binghamton, NY** – IBI Group is participating in the Achieve Cutler Pond Facility Renovation and addition project working in collaboration with our IBI office in Binghamton, NY. The Southfield office is providing engineering services for the Structural, Mechanical, Electrical and Plumbing disciplines. The project involves a major renovation of the existing facility of approximately 40,000 sq. ft. In addition to the renovations and upgrades, there is also a three-phased building expansion including a two-story Administration/Office Addition of 25,000 sq.ft., a Warehouse Addition of 5,000 sq.ft., and a Multi Purpose Room Addition of 13,500 sq.ft. The building renovations and additions will transform the facility and allow for better servicing of its participants moving forward.

### **Government Services**

- Beaufort Marine Corp Air Station – EOD Facility – Beaufort, SC
- Wayne State University – Manufacturing Lab Building – Detroit, MI
- Iowa State University – FAA Semiconductor Labs – Ames, IA

**Port of Wilmington – Command and Control Center – Wilmington, NC** – The Command and Control Center is a proposed facility to house the Port of Wilmington Police Department and also serve as an Emergency Operations Center. Key structural aspects of the project include designing for seismic loads in Seismic Design Category 'C' and Occupancy Category IV. Also, the owner requested that the structure be designed to withstand wind loads resulting from a Basic Wind Speed of 175 mph.

**Oakland County – Rehabilitation Cottages Floor Engineering – Pontiac, MI** – Oakland County added several 4" thick concrete masonry partition walls on the existing second floor of one of the Rehabilitation Cottages in Pontiac, MI. The Structural Engineering scope of services included review of the existing precast concrete floor system for the additional imposed loads and recommendations.

### **Hospitality**

**Detroit Entertainment, LLC MotorCity Casino – Casino Additions and Renovation – Detroit, MI** – 50,000 sq.ft., addition to existing Casino Building, new 140,000 sq.ft., Convention Center with 1,200 seat Theater, new 350,000 sq.ft., 17-story hotel tower with pedestrian bridges and new 900 car, 3-level parking structure.



### ***Institutional and Correctional***

**State of Michigan Department of Corrections – State Prison of Southern Michigan – Jackson, MI** – This project consists of the break-up of the largest walled prison in the U.S. (5,600 inmates) and the complete renovation and establishment of 5 separate and largely autonomous regional prisons of varying custody levels housing a combined population of 4,261 inmates. This six-year phased program comprises in total area 2,039,000 sq.ft.

**State of Michigan – Ionia Correctional Facility – Ionia, MI** – Ionia is a new Level IV Facility, with a 1,500 single bed correctional complex. The complex includes eleven major buildings and seven inmate housing units with administrative facilities, inmate services, education/recreation building and warehouse and support facilities.

**State of Michigan – St. Louis Correctional Facility – St. Louis, MI** – A maximum-security prison that includes administrative facility, food service, education/recreation building and seven housing units, providing 672 beds.

### ***Power, Power Distribution and Communication***

**Sprint – Telecommunication Towers – Various Sites** – Structural analysis of existing telecommunication towers for attachment of additional antennas and other ancillary devices.

**Pennsylvania Power and Light – Harrisburg, PA** – 50,000 sq.ft., fly ash storage silo building and 3.75 miles of new ash handling trestles for existing power facility.

**BSA Power Central Costanera – Buenos Aires, Argentina** – 80,000 sq.ft., combustion turbine and generator building and ancillary structures.

**ELM Energy and Recycling – London, England** – 110,000 sq.ft., multi-story tire burning power plant.

**Genesee Power Company – Flint, MI** – 90,000 sq.ft., multi-story wood burning power plant and ancillary structures.

### ***Research and Development***

**Kellogg Company – W.K. Kellogg Institute for Food and Nutrition Research Development – Battle Creek, MI** – Design of a 174,000 sq.ft., Research Pilot Plant with adjacent 80,000 sq.ft., 3-story office building. The state of the art pilot plant, the first of its kind for Kellogg, was conceived and designed specifically for the purpose of developing new products.

**Lockheed Martin Aeronautical Systems – AVIF Facility – Marietta, GA** – 40,000 sq.ft., 2-story research and development facility for development of aeronautical components and products.

**General Motors Corporation – Vehicle Crash Test Facility – Milford, MI** – 55,000 sq.ft., Research and Development Facility for crash testing of vehicles.



***Warehouse and Distribution***

**Clayco Construction Company – Federal Express Package Distribution Center – Pontiac, MI –**  
180,000 sq.ft., package distribution center and office facilities for Federal Express Ground.

***Transportation***

**Valley Transportation Authority – Santa Clara Alum Rock BRT Final Design – San Jose, CA –**  
IBI Group led the station architecture, structure, urban, and technology design of a 21 station platform, bus rapid transit (BRT) system. The stations are an enhanced, branded design that includes station architectural, structural, and communications systems. The integrated design elements of individual stations include, weather protection, seating, signage, lighting, advertising panels, local art and station icon. Technology will include ticket vending machines, fare validation machines, next bus technology and security systems. IBI is providing design consulting services for 35% Preliminary Engineering Design, 65% Final Review Submittal, 95% Final Design and 100% Bid Issue plans and specifications of the Final Construction Document Package for the Santa Clara-Alum Rock BRT Project. Additionally, IBI Group developed the VTA BRT design guidelines and criteria, and VTA's design development principles for stations. The corridor will be the first of three anticipated BRT corridors for the Valley Transportation Authority. The Project will extend approximately 7.2 miles, from its western terminus at San Jose Arena (Arena Station) on Santa Clara Street to the Alum Rock Transit Center on Capitol Avenue, and continuing along Capitol Expressway to the Eastridge Transit Center (Eastridge Station).



## **Steven Davis** PLA, ASLA, CLARB Senior Associate

Mr. Davis joined CRJA-IBI Group in 2013 as a Senior Associate and project manager. He has extensive experience in landscape architecture, project management, site planning, design, programming and construction administration both with his own firm and others across the southeastern U.S. He has worked on parks, trails, greenways and streetscapes throughout his 30-year career.

### **Representative Experience**

**Castaway Island Preserve, Jacksonville, FL, Project Manager** – Mr. Davis provided the master planning and landscape architecture services for this project which features 250 acres of salt marsh on the Intracoastal Waterway. His design program includes an education center, a canoe launch, picnic areas, an island trail, an overlook pavilion and the associated site landscape and irrigation plans.

**Oak Grove Park Improvements, Argyle Village, Jacksonville, FL, Project Manager** – Mr. Davis designed access improvements for this neighborhood park to meet ADA access requirements. The park features 4 tennis courts, five baseball fields and a basketball court.

**Cornerstone Park, Ponte Vedra Beach, FL, Project Manager** – This project includes the conversion of a local church sanctuary and adjoining campus into a St. Johns County Park. Mr. Davis designed the master plan which features ball fields, tennis courts, an adventure playground, improved parking and an interpretive nature trail.

**Jacksonville Preservation Project, Jacksonville FL, Project Manager** - Mr. Davis was the lead designer and project manager for this 70-site urban redevelopment project. As part of this work, he prepared plans for several urban parks including Beach & Peach Park, Ribault River Park, Reddie Point Preserve and Betz-Tiger Point Preserve.

**Sisters Creek Marina, Jacksonville, FL, Project Manager** – This project involves improvements to a city marina on the Intracoastal Waterway. Mr. Davis designed the new entrance landscape and sign.

**Nocatee Town Center Improvements, Town of Nocatee, FL, Project Manager** — Mr. Davis assisted the Town of Nocatee with conceptual master plans for two new community centers, a neighborhood playground, dog park and community tennis center. This scope of work includes conceptual design of pools, play equipment, athletic courts, docks, boardwalks, parking lots, water features and landscape plans.

**University of North Florida Student Wellness Center, Jacksonville, FL, Project Manager** – This project involves LEED Gold certified landscape and hardscape design. Mr. Davis provided the landscape architecture services; all of the trees, shrubs and groundcovers meet the xeriscape standards of the local Florida Water Management District.

**East Coast Greenway Kiosk, Boca Raton, FL, Project Manager**— Mr. Davis initiated and assisted with construction drawings for the installation of an information kiosk in Boca Raton. This effort involves the East Coast Greenway Alliance, the City of Boca Raton Parks Department and the Treasure Coast Regional Planning Council.

### **Education**

Bachelor of Landscape Architecture, Michigan State University, 1984

### **Experience**

#### **10/2014 – Present**

IBI Group (Florida), Inc, Pompano Beach, FL, Vice President of Landscape Architecture

#### **2013–Present**

CRJA-IBI Group Inc, Knoxville, TN, Senior Associate

### **Registrations**

Florida #1695

Georgia #803

Tennessee #1031

Kentucky #871

### **Professional Affiliations**

American Society of Landscape Architects (ASLA)

Council of Landscape Architecture Registration Board (CLARB)

East Coast Greenway Alliance Trail Council Member, 2007-2010

### **Awards**

Award, 2005, American Society of Landscape Architects Honor Award, Florida Chapter, Castaway Island Preserve

Award, 2005, Florida Planning & Zoning Association Environmental Award, Jacksonville, FL, Castaway Island Preserve

Award, 2006, Jacksonville Historic Preservation Award, Camp Milton Historic Preserve

Award, 1996, American Society of Landscape Architects Merit Award, Ohio Chapter, Chillicothe Bicentennial Park

Award, 1990, American Society of Landscape Architects Merit Award, Ohio Chapter, Worthington Village Green

Award, 1989, American Society of Landscape Architects Honor Award, Ohio Chapter, Prime Site State Computer Facility

Award, 1994, Ohio Parks and Recreation Association, Park Development Award, Homestead Water Playground

### **Publications**

Published by ASLA.org/stormwatercasestudies, Florida Civil War Center, Jacksonville, FL



## Debra L. Hernandez, RLA Landscape Architect

Ms. Hernandez has over 23 years in the landscape design field. She has experience in preparing landscape designs for major land development projects including industrial and business parks, public and retail plazas, mixed-use commercial developments, high-end estates and multi-unit residential projects. Scopes of work generally include complete landscape designs, planting plans, hardscape elements and amenities, public spaces and circulation, signage and entry features. Demands of work include compliance of client parameters and expectations, research and implementation of County and City codes and regulations, quantifying and cost estimating of plans. Work also includes field research and documentation of existing site conditions, preparation of tree inventory and relocation plans and document preparation for tree mitigation and/or regulatory compliance. Responsibilities also include preparation of architectural graphic and presentation drawings including site plans, elevations, perspectives and renderings.

### Representative Experience

Among the broad range of projects on which Ms. Hernandez has played a key role are the following:

**City of Lauderdale Lakes – Development Review Committee member – Lauderdale Lakes, Florida** – As a member of the Development Review Committee (DRC) my responsibilities include the stringent review and determination of appropriate land development code compliance for all applications for new developments, major and minor site plan amendments, variances and other developmental modifications involving landscaping, vegetation preservation and other environmental conditions. Additional tasks include the preparation and submittal of code compliance comments, attendance at all DRC meetings to address comments and design issues with applicants, verification of responses and coordination with Broward County EPGM ordinances for vegetation retention, relocation and removal permitting requirements.

**Edgar Mills Community Center – Broward County, Florida (located in Ft. Lauderdale)** — Responsibilities for the development of this project included conducting client, consultant and city meetings during the site plan, design review, construction document and permitting process. Responsible for administrative and construction document phases, schematic design, code compliance, design development, construction documents, specification coordination, permitting, construction administration and LEED certification process of project.

**Federal Express Distribution Center – Pompano Beach, Florida** – Served as Landscape Architect for the 61,500 SF facilities expansion, which included a new guard house and security station and an additional overflow parking area. Design parameters encompassed the entire site, and included a substantial tree inventory with relocation and retention recommendations, incorporating and blending new vegetation with the existing landscape, evaluation and adjustments to the existing irrigation system, and the design and implementation of current landscape code compliance for the entire facility. Scope of work also included design development for plan approval and permitting, preparation of construction documents, construction administration and inspections services.

### Education

Certificate of Landscape Architecture,  
University of California - Irvine, 1996

Advanced Courses in Business  
Administration, California State University,  
1982-1983

Associate of Arts Degree, Orange Coast  
College, 1976

### Experience

#### 2008 - Present

IBI Group (Florida) Inc., Pompano Beach,  
Florida, Landscape Architect

#### 2003 - 2008

Rhon Ernest-Jones Consulting Engineers,  
Inc., Coral Springs, Florida, Landscape  
Designer

#### 2000 - 2003

Top Branch Environmental Services,  
Boynton Beach, FL, Landscape Designer

#### 1996 - 1999

Master Gardeners Nursery and  
Landscape, Delray Beach, FL, Assistant  
Designer

#### 1995 - 1996

GLP Associates, Inc., Costa Mesa, CA,  
Office Administrator

#### 1991 - 1995

Huitt-Zollars, Inc., Consulting Engineers,  
Tustin, CA, Office Administrator

#### 1987 - 1991

Presley Homes of Southern California,  
Newport Beach, CA, Office Administrator

### Registrations

Landscape Architect, Florida, #6666975



**Pompano Business Center, Pompano Beach, Florida** – Provided Landscape Architectural and Landscape Design services for numerous parcels within the business center over a span of several years. Scope of work consisted of evaluation of existing conditions, schematic design work for City and Architectural review and permitting, development of code compliant landscape and irrigation plans including utilization of reclaimed water, project management, plan implementation and construction administration, inspections and project close-out.

**Sunshine Water Control District – Coral Springs, Florida** – Project Manager for Landscape Architectural Services – On-going efforts of vegetation inventory, removal and maintenance of over 22 miles of canal right-of-way. Work includes coordination with City Forester for the City of Coral Springs for proposed removals, permitting and mitigation, draft and design tree inventory, landscape and removal plans, cost estimate preparation, and calculations of value of existing vegetation. Liaison with SWCD Board, Sunshine Client Services Manager, homeowners and City of Coral Springs for tree removal and equitable mitigation cost to District.

**Waste Management Center Beautification Project – Broward County, Florida** – Provided landscape architecture services for the conceptual and final designs, tree assessment and mitigation, permit coordination, construction administration of over two miles of perimeter streetscape, signage, entry features and amenities.

**Broken Woods – Coral Springs, Florida** – Provided preliminary site planning and conceptual design work for this high-end, mixed-used development, which encompassed the re-zoning and re-vitalization of an existing golf course into a proposed 400+ unit residential and mixed use development. Project requirements included site design and layout of several residential buildings and parking facilities, retail areas, site recreational areas, lakes, linear parks and open space.

**Woodfield Country Club – Boca Raton, Florida** – Served as Landscape Architect for this 2.5 million dollar main entry re-design, gated entry and guard house, and roadway alignment for a high-end residential and country club community. Project included conceptual and final design of a 45-foot wide tiered fountain and plaza area, streetscape design including extensive high-end landscaping, signage, lighting and site amenities. Scope of work also included coordination with existing vegetation, irrigation system re-design, project management and construction administration.

**Valencia / The Shoppes at Woolbright - Boynton Beach, Florida** - Provided Landscape design for this 21 acre high-end retail center currently under construction in Boynton Beach, Florida. Development parameters include compliance with Palm Beach County landscaping and site development code as well as set guidelines of a strict Development Review Order. Scope of work includes extensive upscale interior and perimeter landscaping, site planning, vehicular and pedestrian circulation, and site features including overhead structures and arbors, raised planters, seat walls and other public amenities.

**Coral Baptist Church – Coral Springs, Florida** – Provided Landscape Design for onsite improvements and construction-related services. The project included design and permitting of 4-acres of paved parking, extension of a closed drainage and a monument sign.

**Coral Springs Honda – Coral Springs, Florida** – Served as Landscape Designer in the development of a new State-of-the-Art automotive dealership and a 5-story auto inventory structure. Project included identification and tree preparation to relocate 12 large Live Oak trees, and the re-design of the entire auto mall to reflect current landscape codes.

## Steven Hinman PE LEED AP BD+C Structural Engineer

Mr. Hinman has extensive experience in performing condition appraisals, structural analysis & design, construction documentation, and construction administration. During his career he has served in the roles of project manager, structural engineer, and resident field engineer for numerous facility types. As Project Structural Engineer, Steve will develop the overall structural design concepts and provide communication / coordination of structural system issues within the total building design criteria. Mr. Hinman applies a strong balance of professional integrity and commitment for each project he undertakes. Steve's quality-driven design process ensures the highest structural integrity.

### Representative Experience

#### *Parking Structures*

**CB Richard Ellis – Charlotte Plaza – Charlotte, NC** – Condition appraisal for 805 space parking structure.

**City of Birmingham – Chester & Peabody Street Parking Structures – Birmingham, MI** – Design Engineer for the restoration and waterproofing of the 900 space (Chester St.) and 467 space (Peabody St.) parking structures.

**Detroit Medical Center – Harper/Hutzel Hospital Plaza – Detroit, MI** – Design Engineer for the strengthening, restoration, and waterproofing of the existing supported concrete plaza.

**Erie Insurance Group - East 7<sup>th</sup> Street Parking Ramp – Erie, PA** – Structural Engineer for a new precast concrete parking structure. Responsibilities included building analysis & design, development of construction documents, and coordination with the project team.

**Franklin County Convention Authority – Columbus Convention Center – Columbus, OH** – Construction Administration for the restoration of the 550 space south parking structure.

**Youngstown State University – M1 & M2 Parking Structures – Youngstown, OH** – Design Engineer for the restoration and waterproofing of two parking structures totaling 2,800 spaces.

**Michigan Department of Transportation – Wyatt Building Parking Structure – Southfield, MI** – Structural Engineer for a new precast concrete parking structure.

**Michigan State University – Parking Structure #5 – East Lansing, MI** – Structural Engineer for a new 1,000 space, cast-in-place post-tensioned parking structure.

**Pontiac Downtown Development Authority - Phoenix Center Plaza – Pontiac, MI** – Design Engineer for the restoration and waterproofing of a roof top plaza above a 2,500 space parking structure.

### Education

Master of Science (Civil Engineering), Wayne State University, Detroit, MI, 2002

Bachelor of Science (Civil Engineering), Michigan Technological University, 2000

### Experience

**2015–Present**  
IBI Group, Southfield, MI, Structural Engineer

**2013–2015**  
Stantec, Berkley, MI, Structural Engineer

**2003–2013**  
Albert Kahn Family of Companies, Detroit, MI, Structural Engineer/Associate

**2000–2003**  
Walker Parking Consultants, Ann Arbor, MI, Design Engineer

### Memberships

American Institute of Steel Construction

Chi Epsilon

Tau Beta Pi

Order of the Engineer

### Computer Skills

Revit Structure

AutoCAD Architecture

RAM Structural System

RAM Elements

RAM Connection

RISA-3D

RISA Floor

RISA Foundation

Enercalc

TEDDS

Microsoft Office

BSD SpecLink

Newforma Project Center

Adobe Acrobat



**Plain Dealer Publishing Company – Cleveland, OH** – Design Engineer for the restoration and waterproofing of a 600 space parking structure.

**Raleigh-Durham International Airport – Parking Garage #4 -Morrisville, NC** – Field Engineer for the new seven level, 6,165 space, cast-in-place post-tensioned concrete parking structure. Responsibilities included verification of steel reinforcement & post-tensioning strands, verification of the layout & geometry of structural components, observation of concrete placements, documentation of daily construction activities, and answering Contractor questions.

**Toledo Hospital – North & South Parking Structures – Toledo, OH** – Design Engineer for the 2,172 space (North) and 962 space (South) parking structures.

**University of Michigan – Catherine Street Parking Structure – Ann Arbor, MI** – Design Engineer for the restoration and waterproofing of the 452 space parking structure.

**University of Michigan – Medical Center Drive Parking Structure – Ann Arbor, MI** – Design Engineer for the structural analysis, restoration, and waterproofing of the 2,039 space parking structure.

**University of Michigan – Mill Street & Harrison Street Parking Structures – Flint, MI** – Design Engineer for the restoration and waterproofing of two parking structures.

**United Way of Greater Toledo – Toledo, OH** – Construction Administrator for the replacement of a 160 space, cast-in-place, post-tensioned, concrete parking structure.

**Wayne State University – Parking Structure #1 – Detroit, MI** - Construction Administrator for the lighting upgrade project.

### ***Education***

**Brighton Area Schools – Brighton High School – Brighton, MI** – Lead Structural Engineer for the natatorium addition. Project included load bearing masonry walls, open-web steel joists, precast concrete stadia, and a structural steel mezzanine for the mechanical equipment.

**Brighton Area Schools – Hawkins Elementary School – Brighton, MI** – Lead Structural Engineer for the gymnasium addition. Project included load bearing masonry walls and open web steel joists.

**Detroit Public Schools – East English Village Preparatory Academy – Detroit, MI** – Structural Engineer for the replacement high school.

**Livonia Public Schools – Franklin High School – Livonia, MI** – Lead Structural Engineer for the performing arts center addition and HVAC upgrades. Performing arts center addition included load bearing masonry walls, open-web steel joists, and structural steel. HVAC upgrades included the analysis and reinforcement of the existing structure to support new rooftop equipment.

**Livonia Public Schools – Riley Elementary School – Livonia, MI** – Lead Structural Engineer for the secure vestibule renovation and HVAC upgrades. Project included analysis and reinforcement of the existing structure to support the removal of existing load bearing walls and the support of new rooftop HVAC equipment.

**Livonia Public Schools – Emerson Middle School – Livonia, MI** – Lead Structural Engineer for the secure vestibule renovation and HVAC upgrades. Project included analysis and reinforcement of the existing structure to support the removal of existing load bearing walls and the support of new rooftop HVAC equipment.



**Michigan State University – Spartan Stadium – East Lansing, MI** – Structural Engineer for the structural analysis, restoration, and reinforcement of the football stadium.

**Michigan State University – Energy & Automotive Research Laboratory – East Lansing, MI** – Structural Engineer for the new classroom and laboratory facility.

**University of Michigan – Pierpont Commons – Ann Arbor, MI** – Lead Structural Engineer for the renovation and upgrades to the second floor commons area. Project included analysis and reinforcement of the existing structure to support new overhead doors, folding partitions, pizza oven, and fireplace.

**University of Michigan – Crisler Arena Stairway Replacement – Ann Arbor, MI** – Design Engineer for the demolition and replacement of an exterior, cast-in-place concrete stairway.

### **Healthcare**

**Aurora Health Care - Grafton Medical Center – Grafton, WI** – Structural Engineer for the new Hospital / Medical Office and Lead Structural Engineer for the new cancer center. Hospital structural system was conventionally reinforced cast-in-place concrete construction. The medical office building and cancer center utilized structural steel and open web steel joists. Responsibilities included building analysis & design, development of construction documents, coordination with project team, guiding/mentoring less experienced staff and routine construction follow up activities. Revit Structure was used to create 3D model for inter-discipline coordination and to generate floor plans.

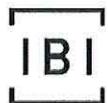
**Aurora Health Care – BayCare Medical Center – Green Bay, WI** – Structural Engineer for the bed tower expansion and ambulance garage.

**Foote Health System – Foote Hospital – Jackson, MI** – Structural Engineer for the emergency department expansion and renovation.

**Franciscan Alliance – Woodland Cancer Care Center – Michigan City, IN** – Lead Structural Engineer for the new cancer treatment center. The building utilized structural steel and open web joist roof framing with a cast-in-place concrete linear accelerator vault. Responsibilities included attending team meetings, delegating work assignments, guiding/mentoring less experienced staff, coordination with the project team, building analysis & design, development of construction documents, and routine construction follow up activities. Revit Structure was used to create 3D model for inter-discipline coordination and to generate all construction documents.

**Henry Ford Health System - Henry Ford West Bloomfield Hospital – West Bloomfield, MI** – Structural Engineer for the award winning new hospital and Lead Structural Engineer for the cancer center expansion. The facility utilized composite steel construction with cast-in-place concrete retaining walls. Responsibilities included building analysis & design, development of construction documents, coordination with the project team, attending team meetings, guiding/mentoring less experienced staff and routine construction follow up activities. AutoCAD Architecture was used to create a 3D model of the structure for the construction documents, project coordination, and clash detection.

**McLaren Health Care – McLaren Regional Medical Center – Flint, MI** – Lead Structural Engineer for the new ambulatory surgery center.



**St. Vincent's Health System - St. Vincent's Hospital POB VII / Bruno Cancer Center – Birmingham, AL** – Lead Structural Engineer for the new professional office building and cancer treatment center. The building utilized structural steel and open web steel joist roof framing, composite steel floor framing, and cast-in-place concrete linear accelerator vaults and retaining walls. Responsibilities included attending team meetings, delegating work assignments, guiding/mentoring less experienced staff, coordination with the project team, building analysis and design, development of construction documents, and routine construction follow up activities. Revit Structure was used to create 3D model for inter-discipline and to generate all construction documents.

**U.S. Department of Veterans Affairs – VA Medical Center – Battle Creek, MI** – Lead Structural Engineer for the mental health clinic renovation and lobby addition.

**U.S. Department of Veterans Affairs – Aleda E. Lutz VA Medical Center – Saginaw, MI** – Lead Structural Engineer for energy center addition.

### ***Commercial / Institutional***

**Detroit Regional Convention Facility Authority - COBO Arena Ballroom Renovation – Detroit, MI** – Structural Engineer for the renovation/repurposing of COBO arena into ballroom, meeting, convention, and support space. Project challenges included the removal & re-support of existing building columns on new transfer trusses and the addition of long-span operable partitions. Responsibilities included analysis & design of all new floor & roof trusses, coordination with project team, development of construction documents, and routine construction follow up activities. Revit Structure was used to create 3D model for inter-discipline coordination and to generate floor plans & limited details.

**Detroit Zoological Society - Polk Penguin Conservation Center - Royal Oak, MI** – Structural Engineer for the new Penguin Habitat at the Detroit Zoo. The structure consists of reinforced concrete retaining walls, CMU bearing walls, and structural steel / open-web joist superstructure. Unique aspects of this project included a sloping façade that utilized random compound angles to create the appearance of an iceberg. Responsibilities included providing general Revit guidance & training as required by project staff, modeling complex portions of the structure (including the façade), preliminary design of retaining walls, coordination with project team, and development of construction documents. Revit Structure was used to create 3D model for inter-discipline coordination and to generate all construction documents.

**Jackson National Life Insurance Company - Remote Data Center – Lansing, MI** – Structural Engineer for the original remote data center.

**Second Ebenezer Baptist Church – North Campus – Detroit, MI** – Structural Engineer for the new north campus church.

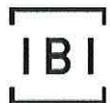
### ***Automotive / Industrial***

**Avon Products, Inc. – Springdale, OH** – Structural Engineer for the shipping/receiving conveyor analysis.

**BMW Manufacturing Company – Assembly Plant – Spartanburg, SC** – Structural Engineer for the energy center expansion.

**Chrysler – Warren Stamping Plant – Warren, MI** – Structural Engineer for the crane runway extension.

**Chrysler – Administration Building Renovation – Kokomo, IN** – Structural Engineer for the second floor east renovation.



**Electrolux – Manufacturing Facility – Springfield, TN** – Structural Engineer for the office building and eagle press framing.

**Ford Motor Company – Dearborn Stamping Plant – Dearborn, MI** – Structural Engineer for the press removal, FMC Break Area, and conveyor support modification projects.

**Ford Motor Company – Woodhaven Stamping – Woodhaven, MI** – Structural Engineer for the press removal project.

**General Motors Corporation – Warren Transmission Plant – Warren, MI** – Structural Engineer for the new prismatic dock.

**General Motors Corporation – Grand Rapids Stamping – Grand Rapids, MI** – Structural Engineer for the AA5X press project.

**General Motors Corporation – Mansfield Metal Center – Mansfield, OH** – Structural Engineer for the AA5X press project.

**General Motors Corporation – Regional Stamping & Assembly Complex – Delta Township, MI** – Structural Engineer for the facility bridging documents.

**Guardian Industries – Float Glass Facility – Richburg, SC** – Structural Engineer for the glass coating line building addition.

**Mercedes-Benz U.S. International – M-Class Manufacturing Plant Complex – Tuscaloosa County, AL** – Structural Engineer for the successor vehicle plant expansion truss reinforcement and whole plant process steel investigation.

**Michigan Automotive Compressor, Inc. – Manufacturing Facility – Parma, MI** – Lead Structural Engineer for a 200,000 square foot expansion of the existing manufacturing facility and structural investigation for new process HVAC equipment. Project consisted of steel roof trusses, wide flange purlins/beams, and cast-in-place, unreinforced concrete caissons. Responsibilities included attending team meetings, delegating work assignments, guiding/mentoring less experienced staff, coordination with the project team, building analysis and design, development of construction documents, and routine construction follow up activities. Revit Structure was used to create 3D model for inter-discipline coordination and to generate floor plans.

**National Alabama Corporation – Rail Car Manufacturing Facility - The Shoals, AL** – Structural Engineer for the award winning, 2,000,000 square foot manufacturing facility. Plant utilized structural steel, open web steel joists, and cast-in-place concrete retaining walls. Administration building utilized composite steel construction for the supported floor and had many unique features such as long span double cantilevers. Project included bridge cranes, semi-gantry cranes, gantry cranes, jib cranes, and long span steel trusses. Responsibilities included attending team meetings, delegating work assignments, guiding/mentoring less experienced staff, coordination with the project team, building analysis & design, development of construction documents, and routine construction follow up activities. Revit Structure was used to create 3D model for inter-discipline coordination and to generate floor plans.

**Nissan Motor Manufacturing Corporation, USA – Truck Assembly & Stamping Plant – Smyrna, TN** – Structural Engineer for the plant truss reinforcement.

**Nissan Motor Manufacturing Corporation, USA – Crankshaft Forging Plant – Dechard, TN** – Structural Engineer for the forging plant expansion.

**O-I – Glass Manufacturing Plant – Weld County, CO** – Structural Engineer for the fore-hearth framing.



**Tenneco Automotive – Engineering Center – Grass Lake, MI** – Structural Engineer for the acoustic test facility.

**Toyota Technical Center USA, Inc. – Toyota Technical Center – Ann Arbor, MI** - Structural Engineer for the roof top screen wall project.

***Historic Preservation***

**Michigan Opera Theatre - Detroit Opera House – Detroit, MI** – Structural Engineer for the renovation of a historic concrete structure to create the Ford Center for Arts & Learning. Project included verification of structural capacity for additional mechanical equipment and the re-support of the floor structure due to column removal. Responsibilities included attending team meetings, field measurement of existing structure, coordination with the project team, building analysis & design, development of construction documents, and coordination of field testing services.

**The Christman Company - Christman (Mutual) Building – Lansing, MI** – Lead Structural Engineer for the renovation of a historic concrete structure for a new owner. Challenges included verification of structural capacity for an additional level, strengthening of existing concrete joists at new openings, and re-support of the framing around an existing elevator shaft. Responsibilities included attending team meetings, field measurement of existing structure, coordination with the project team, building analysis and design, development of construction documents, and coordination of field testing services.



## Patricia Frexes Ramudo P.E., LEED®AP Engineering Manager

Ms. Ramudo has 32+ years of experience in the civil engineering field. She has extensive experience in the design of hydraulic systems, including site development projects, water distribution systems, flood mitigation projects and the computer simulation of steady-state and transient flow of fluid transmission system. Projects have been carried from conceptual design and modeling through construction and monitoring. She has been a Project Manager for numerous projects for public and private sector Clients and was responsible for hydraulic analysis, construction administration, design and analysis of water/sewer/storm water systems and permit acquisition at the federal, state and local levels. In addition, Ms. Ramudo is also experienced in the design and rehabilitation of existing systems which are in violation of jurisdictional codes or require modification for upgrading.

Her skill sets include proficiency in software modeling, Microsoft Office, AutoCAD, WaterCAD, SewerCAD, CASCADE and K-PIPE.

### Representative Experience

#### **Briny Avenue Streetscape and Urban Design – Pompano Beach, FL**

- Land Use and Urban Planning for a streetscape in Pompano Beach. Initial assignments included working with project team creating an inventory and analysis that illustrated potential opportunities and constraints in the project area. A 'shared street' concept was selected that will consider the interaction of pedestrians, bicyclists, and motorists with smart growth and urban design concepts, creating a safe and enjoyable environment for the community.

#### **Hollywood Beach Streetscape – Hollywood Beach, FL —**

Revitalization plans were created for intersecting streets that run between US1 and the Hollywood Beach Boardwalk. Improvements made as a part of these plans include: enhanced pedestrian and vehicular access, the creation of improved on-street parking and enhanced streetscape that includes pavers, site furnishings, crosswalks and lighting. Involved in site inventory and graphic productions.

#### **Master Planning and Landscape Architecture Continuing Services for School Board of Broward County – IBI Group**

has provided environmental assessments for over 30 schools campuses and developed recommendations and design documents for the development of native landscape habitats, outdoor classroom and learning labs, rain water harvesting and best management practices. Consultation with principals and teachers ensured coordination with the environmental science curricula. Working with Environmental PR Group and School Board Staff; IBI Group was contracted to develop and implement the Green Web site for the School District. This involved extensive collection, collation and categorization of information, design of the web site architecture and content as well as ongoing support during the programming and implementation. In addition, IBI Group provided a credit by credit comparison of the School Board's specifications and design criteria with the LEED for Schools system. Recommendations and revisions were incorporated to provide a baseline for all future projects to incorporate green building policies and practices.

---

### Education

Hydraulics & Hydrology Master of Science, Cornell University, Ithaca, NY, 1983

Civil Engineering Bachelor of Science, Florida Atlantic University, Boca Raton, FL, 1979

### Experience

#### **2014–Present**

IBI Group (Florida), Inc, Pompano Beach, FL, Engineering Manager

#### **2007–2014**

IBI Group (Florida), Inc, Pompano Beach, FL, Affiliate, Chief Engineer

#### **1987–2014**

ICON Design Group, Inc., Boca Raton, FL, Principal

#### **1984–1987**

CCL Consultants, Inc, Pompano Beach, FL, Project Manager

#### **1981–1984**

McLaughlin Engineers, Denver, CO, Project Engineer

### Registrations

Florida PE License No. 35798

Colorado PE License No. 22979

LEED®AP

### Languages

English

Spanish

### Civic Affiliations

City of Boca Raton Citizens' Pedestrian and Bikeway Advisory Board

City of Boca Raton Green Living Advisory Board



**Publix Signalization Improvements, Lantana, FL** — Project Manager responsible for preparing design, utility coordination, permit submittals and processing for approvals for traffic signalization improvements as required by Palm Beach County. Project scope includes coordination with FPL and the Underground Utility and Structural Engineer subconsultants. IBI will prepare plans for a new traffic signal and submit to PBC for review. Additional services include preparation of legal descriptions, coordination with Electrical Contractor during installation, Resident Project Representation during construction, inspections and Final Engineer's Certification.

**Sunshine Water Control District, Coral Springs, FL**— Provide engineering consulting services in support of IBI Group's role as District Engineer to SWCD to assist in the control and management of surface water. SWCD is a special-purpose local government comprised of 9 square miles and 22 miles of canals. Current assignments:

- **Culvert Replacement and Canal Restoration Canal Z** – Construction administration of \$1.3M capital improvements project.
- **Pump Station 3** –Project Manager for \$300K capital improvements project, including site modifications, design of control structure and pump assembly for flood mitigation. Responsibilities included preparation of plans, specifications and coordination of the bid process.
- **Pump Stations 1 and 2** – Research and analysis of existing pump stations to address operational concerns with regards to modifications required for the installation of pump heaters and anti-vortex devices.

**Emergency Traffic Signal at Fire Station 72, Sunrise, FL** — Prepared updated design plans to current Broward County Traffic Engineering Dept. standards. Additional assignments included utility coordination, submittal and processing for approvals through BCED and City of Sunrise. Additional scope items included coordination with FPL, Resident Project Representation during installation and construction, inspections and Final Engineer's Certification.

**ICON Design Group, Inc, Boca Raton, FL** — Principal and Director of Engineering for various projects. Responsibilities included: coordinating and addressing clients' criteria in the design and construction phases while meeting deadlines and budget for site development and sustainable projects. She efficiently and effectively communicated engineering solutions, from the conceptual design and modeling through monitoring of the construction phase and completion. Additional responsibilities included: management of the contract document development, plan review, permitting and construction administration of civil projects.

**Miami Beach – Dade Blvd. Bike Path along the Atlantic Greenway Network, Miami Beach, FL** — Member of the IBI Team that worked on the Atlantic Greenway Network, a system of interconnected bike paths, greenways, and pedestrian facilities constructed within the City of Miami Beach. Special attention was given to the area along Miami Beach's Collins Canal for a bike path along the length of the waterway. Scope of services includes: field verification of existing conditions, base plan development, utilities investigation, inventory and analysis, adjacent property analysis, conceptual design.

**USGSA – Customs and Immigration Services Tri-County Facilities; Miami, Fort Lauderdale and Royal Palm Beach, FL** -- LEED Consultant to the three projects to provide engineering compliance and certification coordination with USGBC. Scope included Water Use, Heat Island and Sustainable Site credits.

**Walnut Creek – Pembroke Pines, FL** — Responsible for design and permitting of 400+Acre subdivision land development project, including conceptual through final design of the water distribution, sanitary sewer collection system, two lift stations, multi-lake/multi-phase water management system.

**Turtle Run – Coral Springs, FL** — Member of the CCL/IBI Team that provided civil engineering and permitting for a mixed-used development. Scope of services included: infrastructure, master water distribution, sewer collection system, lift station design, final civil engineering design for water/sewer/drainage. Submittal and processing for approvals at federal, state, and local levels.



**El Clair Ranch Road Water Main Extension** — 1000+ feet of 10" DIP watermain extension; design, permitting and construction management.

**Boynton Beach Blvd Force Main Extension** — 1000+ feet of 6" DIP forcemain extension, Jack and Bore crossing of right-of-way, maintenance of traffic, permitting and construction management



**William J. Chomic PE**  
**Electrical Department Manager**

As Electrical Department Head, Mr. Chomic is responsible for the operation of and design quality within the electrical engineering department which includes specialists for fire alarm and security systems. Additionally, he takes an active part in the design and coordination of the various ongoing projects to assist in the development and implementation of system concepts. He is supported by a staff of electrical, engineers, CAD drafters and specialists working under his direction, and by specification writers & construction cost estimators. Mr. Chomic participates in the designs of new facilities as well as for renovation and expansion of existing facilities.

**Representative Experience**

*Photovoltaic*

**University of Michigan – Ann Arbor, MI – Photovoltaic Power Generation Study**

**University of Michigan – Ann Arbor, MI – University of Michigan, Ann Arbor, Michigan – Performed evaluations and studied solar photovoltaic electrical generating facilities at Wolverine Tower, Perry Building, Angel/Mason Hall, Oosterbaan Field House, Canham Natatorium, Intramural Building and Computer Science Building.**

**Western Michigan University Sangren Hall Photovoltaic System – Responsible for the performance specification and design assist for the new photovoltaic system on the roof of the newly constructed Sangren Hall.**

*Retail*

**Kmart Corporation – Distribution Center Addition – Canton, MN – Designed energy efficient lighting, lighting controls, communications and power distribution for the addition.**

**Kmart Corporation – Distribution Center – Shakopee, MN – Distribution center lighting and power renovations.**

**Kmart Corporation – New Warehouse – Sparks, NV – Designed new warehouse lighting and associated control systems for the corporate distribution center.**

**Kmart Corporation - Manteno, IL – Designed additions and renovations to the distribution center's fire alarm system.**

**Kmart Corporation - Sparks, NV – Responsible for the electrical system design for a truck dock addition at the corporate distribution center.**

**Kmart Corporation - Ocala, FL – Designed electrical systems for the new warehouse tuck docks at the corporate distribution center.**

**Dahl's Foods – Clive, IA – Designed lighting upgrades at the company's Clive, Iowa store.**

**Education**

Bachelor of Science (Electrical Engineering),  
 Michigan Technological University, Houghton, MI

**Experience**

**2009–2014**

SHW Group/Stantec, Berkley, MI, Electrical Engineering Group Leader

**2009–2011**

University of Michigan, Ann Arbor, MI, Electrical Engineer

**2000–2009**

Peter Basso Associates, Inc., Troy, MI, Associate

**1988–2000**

Ellis, Naeyaert, Genheimer Associates, Inc./Harley Ellis, Troy, MI, Associate

**1985–1988**

Gilbert/Commonwealth, Inc., Jackson, MI, Lead Electrical Project Engineer

**1984–1985**

Super Valu Stores, Inc., Southfield, MI, Project Engineer

**1981–1984**

Ellerbe Associates, Inc., Bloomington, MN, Associate Electrical Engineer

**Experience**

Michigan - PE



**Super Value Stores – Eden Prairie, MN** – Designed power distribution and energy efficient lighting systems for retail and warehousing buildings.

**Workplace / Office**

**Blue Cross Blue Shield of Michigan - Detroit, MI** – Designed a replacement uninterruptable power supply system for the corporate data center.

**Blue Cross Blue Shield of Michigan – Office Renovation** – Designed energy efficient lighting and power distribution for a corporate office renovation.

**Blue Cross Blue Shield of Michigan - Grand Rapids, MI** – Designed standby power generator into the existing power distribution system in the Cascade Building.

**Blue Cross Blue Shield of Michigan - Detroit, MI** – Designed an uninterruptable power supply distribution system for the Tower 9th floor.

**Blue Cross Blue Shield of Michigan - New Hudson, MI** – Designed a paralleled standby power generator and uninterruptable power systems and data center for a corporate disaster recovery site.

**3M Corporation - St. Paul, MN** – Performed electrical system designs, purchased skilled trades labor and construction materials, managed construction projects for the renovation of corporate laboratory, manufacturing and office facilities.

**Compuware Headquarters - Detroit, MI** – Designed the medium voltage service and standby generator systems for the high rise office building.

**Ameritech – Corporate Office - Flint, MI** – Designed electrical switchgear replacement for the Flint North Corporate Offices.

**Ellis Naeyaert Genheimer Associates – New Headquarters – Troy, MI** – Responsible for the electrical design for the company's headquarters in Troy, Michigan.

**Fru-Con Corporation – New Cogeneration Facility – Wichita Falls, TX** – Assisted with the electrical design for a new 80mw co-generation facility at the CertainTeed Corporation facility.

**General Services Administration – Federal Center Building - Battle Creek, MI** – Designed and created bidding documents for a uninterruptable power supply system replacement/upgrade at the Federal Center Building.

**IBM Corporation – Electrical Systems Renovations - East Fishkill, NY** – designed multiple electrical system renovations at the company's facility.

**IBM Corporation – Renovation of Corporate Laboratory & Office Facilities - East Fishkill, NY** – Performed electrical system designs, prepared bidding packages for skilled trades labor and construction materials and managed construction projects for the renovation of corporate laboratory, manufacturing and office facilities.

**Jackson National Life Insurance Company – Power System Renovation Peer Review - Okemos, MI** – Performed design development review and consulted to create a corporate data center power supply system.

**Hatzel and Buehler – DWSD Electrical Power Calculations**

**Harley Ensign Memorial – Public Access Site - Lake St. Clare, MI**

**Integrated Engineering Consultants, Inc. – Sherwin Williams Short Circuit Study - Cleveland, OH**

**SD Investments – Office Building Addition – Berkley, MI**

**Multi-Unit / Family Residential**

**Amber Properties – Amber Landing – Royal Oak, MI**



**Amber Properties – Amber Corners Apartments & Lofts - Clawson, MI**

**Amber Properties – Town Center - Troy, MI**

***Community Institutional***

**City of Warren – City Hall - Warren, MI** – Designed electrical systems for a the new Warren City Hall, Library and parking structure including emergency power distribution, fire alarm system, electrical power control systems and energy efficient lighting and lighting control system.

***Research Laboratories***

**Warde Co-Tenancy Laboratory (Trinity Health System) Ann Arbor, MI** - Designed electrical systems for the build out of an unoccupied space to create a new medical testing laboratory.

**Immuno – Renovations/Additions - Rochester, MI** – Designed and created bidding documents for electrical system improvements and expansion at the pharmaceutical facility Building #4.

**US EPA – Research Station Renovation – Grosse Isle, MI** - Responsible for a lighting upgrade at the Grosse Isle Research Station.

***Tunnels***

**Detroit Windsor Tunnel Company - Detroit, MI** – Designed replacement tunnel lighting and associated power distribution in the existing traffic tunnel between Detroit and Windsor.

***Entertainment***

**Saginaw Art Museum – Addition/New - Saginaw, MI** – Designed the power distribution, energy efficient and display lighting and communication systems for the teaching and display areas of the museum. The project included restoration of the early 20th century era building and new addition.

**Ordway Music Theater - St. Paul, MN**

***Manufacturing (Automotive)***

**Federal Mogul – Plant Addition - Romulus, MI** – Designed power distribution and industrial lighting systems for a new forged products line and plant addition.

**Ford Motor Company – Alpha Division Facility - Redford Township, MI** – Studied the existing power infrastructure at the Alpha Division facility and wrote a report outlining required upgrades to support an aluminum welding line.

**Ford Motor Company – Dynamometer Building – Dearborn, MI** – Designed an electrical control system for the Dynamometer Buildings' head tank fuel delivery system.

**Ford Motor Company – SLR Building - Dearborn, MI**

**Ford Motor Company – Advanced Engineering Center - Allen Park, MI** - Designed an electrical service for the company's A.P.T.E.O. facility at the Advanced Engineering Center.

**Ford Motor Company – Skilled Facility Trades Upgrade - Dearborn, MI** – Designed energy efficient lighting and power distribution for the Skilled Trades Facility upgrade.

**Ford Motor Company – Experimental Vehicles Building - Dearborn, MI** – Designed explosion proof lighting and electrical power for the Experimental Vehicles Building.



**Ford Motor Company – Dynamometer Building - Dearborn, MI** – Designed explosion proof lighting and electrical systems for the Dynamometer Building, Fuels and Lubricants Dispensing Facility.

**General Motors Corporation – Assembly Area Renovation/ Hydramtic Facility – Ypsilanti, MI** - Assisted with a design to provide power to an assembly area air conditioning system at the Hydramatic Facility.

**General Motors Corporation – Waste Paint / Solvent Tank – Pontiac, MI** – Assisted with the design of electrical systems for a waste paint/solvent tank at the Truck and Bus Facility.

**General Motors Corp. – BOC Facility Renovations – Ypsilanti, MI** – Designed lighting upgrades at the BOC facility.

**General Motors – CPC Division Renovations – Pontiac, MI** – Assisted with the documentation of the Pontiac Plants' electrical distribution system.

**General Motors Corporation – Design Center Building - Warren, MI** – Designed and managed construction for a replacement substation and power distribution system at the Design Center Building.

**General Motors Corporation – Chiller Upgrade Power Train Division -Ypsilanti, MI**

**General Motors Corporation – Renovations Technical Center - Warren, MI**

**Meritor Automotive Inc. – Administrative Building – Troy, MI** – Studied and created a recommendation report for lighting improvements at the company administrative center.

**Nissan USA – Technical Center - Farmington Hills, MI** - Responsible for the electrical design for a new test laboratory addition at the company's Farmington Hills technical center.

### ***Manufacturing (Consumer Products)***

**American Axle and Manufacturing – New Axel Painting Plant Addition – Buffalo, NY** – Designed electrical power distribution, industrial, high color rendition lighting systems, lighting control systems and communication systems for a new axle painting plant addition.

**Borg Warner – New Production Line – Romulus, MI** - Designed electric feeders and circuits for new production line equipment at the Romulus Connecting Rod Plant.

**Minnesota Mining & Manufacturing – Power Distribution System Upgrade – Middleway, WV** – Designed a power distribution system upgrade at the company's Middleway, West Virginia facility.

**Minnesota Mining & Manufacturing – Lighting Controls – St. Paul, MN** – Designed low voltage lighting controls for Building 235 at the company's St. Paul, Minnesota facility.

### ***Telecommunications***

**Michigan Bell – Office Renovations – Saginaw, MI** - Designed a life safety improvement plan and turbine generator relocation for the Saginaw DPC.

### ***Municipal***

**Livingston County Road Commission – Central Maintenance Facility and Administrative Complex - Howell, MI** – Designed all electrical systems for the county's new Central Maintenance Facility and Administrative Complex.

### ***Industrial Food and Beverage***



**Kellogg Company** – Substation Design – Battle Creek, MI – Assisted with the design of the substation at the company's Battle Creek Plant.

**Kellogg Company – Switch House Renovation – Battle Creek, MI** - Assisted with the electrical design for a 13.8kv primary system modernization at the company's switch house at the Battle Creek, Michigan Plant.

**Kellogg Company – Manufacturing Facility Renovation - Battle Creek, MI** – Designed electrical distribution systems for the company's manufacturing facility.

**Kellogg Company – Electrical Control System - Battle Creek, MI** - Designed an electrical control system for a fines collection system at the company's Battle Creek Plant.

### **Power**

**DTE Energy - Macomb Service Center - Clinton Township, MI** – Designed a new diesel generator standby power supply system with coordinated ground fault.

**DTE Energy - Michigan Electric Power Coordination Center (MEPCC) - Ann Arbor, MI** – Designed a replacement and upgrade to the coordination center's uninterruptable power supply system.

**DTE Energy - Alternate Data Center - Ann Arbor, MI** – Designed new primary power service including underground service lateral, automatic throw over medium Voltage switchgear and 480V secondary pad mounted transformer.

**Egyptian Electric Authority – Cairo, Egypt** - Designed DC control power systems for five substations in the 500kv transmission system.

**Egyptian Electric Authority, Cairo, Egypt** – Designed DC substation controls for the 500kv transmission system.

### **Educational (Post-Secondary Education)**

**Henry Ford Community College – Renovations – Dearborn, MI** – Designed power distribution, lighting and communication systems for the Culinary Arts and Student Center Renovation.

**Glen Oaks Community College – Science Building Addition – Centreville, MI** – Designed electrical power, energy efficient lighting, lighting controls and communications systems for a new Science Building addition.

**Oakland Community College – Renovations and Additions – Oakland County, MI** – Designed power distribution, energy efficient lighting, lighting controls and communications systems for multiple building renovations and additions.

**Washtenaw Community College – Technical and Industrial Building – Ann Arbor Township, MI** – Designed electrical renovation for the Technical and Industrial Building including energy efficient lighting and associated controls to contribute to obtaining LEED Silver certification.

### **Educational (K-12)**

**Airport Community Schools – Wagar Middle School Renovations**

**Amarillo ISD – Emerson Elementary School Addition**

**Amarillo ISD – Tradewind ES Addition**



**Amarillo ISD – Palo Duro HS Addition**

**Bishop O’Connell High School – Science Classrooms Phase II**

**Bloomfield Hills Schools – New Bloomfield Hills High School**

**Brighton Area Schools –Bond Projects**

**Dearborn Public Schools – 2013 Bond Projects**

**Henrico County Public Schools – John Rolfe Middle School Renovations**

**Knippa ISD – Bielfeldt Elementary School Addition**

**Lincoln Consolidated Schools – Lincoln High School Renovation**

**Livonia Public Schools – 2013 Bond Projects**

**Livonia Public Schools – Stevenson HS Additions/Renovations**

**Livonia Public Schools – Churchill HS Additions/Renovations**

**Livonia Public Schools – Franklin HS Additions/Renovations**

**Livonia Public Schools – Frost MS Renovation**

**Livonia Public Schools – Cooper Upper ES Renovation**

**Mt Morris Consolidated Schools – 2012 Summer Projects**

**Dearborn Public Schools – Fordson High School**

**L’Anse Creuse Public Schools**

***Educational (Post Secondary)***

**Henry Ford Community College - Dearborn, MI** – Designed power distribution, lighting and communications systems for the Culinary Arts and Student Center Renovation.

**Oakland University Oakland Center - Expansion and Renovation - Rochester Hills, MI** – Designed the power distribution, energy efficient lighting and communication systems for the campus union and assembly building.

**University of Michigan, Dearborn, MI** – Designed an electrical distribution system replacement, new energy efficient lighting, lighting control, and communication systems for the campus’ University Mall renovation.

**University of Michigan - Dearborn, MI** – Designed an electrical systems for a Science Building Addition.

**University of Michigan - Dearborn, MI** – Wrote a testing procedure and performed a short circuit and coordination study for the campus’ medium voltage distribution system.



**University of Michigan - Ann Arbor, MI** – Performed evaluations and studied solar photovoltaic electrical generating facilities at Wolverine Tower, Perry Building, Angel/Mason Hall, Oosterbaan Field House, Canham Natatorium, Intramural Building and Computer Science Building.

**University of Michigan - Ann Arbor, MI** – Performed evaluations and studied the replacement of mercury vapor high intensity discharge exterior lighting with energy conscience induction, LED, fluorescent and metal halide light sources.

**University of Michigan - Ann Arbor, MI** – Performed evaluations and forensics study to determine the cause of server power supply failures at the Dental School.

**Glen Oaks Community College – Science Building Addition - Centreville, MI** – Designed electrical power, energy efficient lighting, lighting controls and communications systems for a new Science Building addition.

**Oakland Community College – Renovations/Additions - Oakland County, MI** – Designed power distribution, energy efficient lighting, lighting controls and communication systems for multiple building renovations and additions.

**Washtenaw Community College - Ann Arbor Township, MI** – Designed multiple standby generator sources for five campus buildings.

**Washtenaw Community College - Ann Arbor Township, MI** – Designed and followed construction of new medium voltage service and upgraded power distribution system at the campus' Student Center Building.

**Washtenaw Community College - Ann Arbor Township, MI** – Designed electrical renovation for the Technical & Industrial Building including energy efficient lighting and associated controls to contribute to obtaining LEED Silver certification.

**Central Michigan University – 2011 Rose 134 HVAC Project**

**Central Michigan University – Bioscience Building**

**Central Michigan University – Chilled Water Plant Upgrade Study**

**Central Michigan University – Foust Hall Remodeling**

**Central Michigan University – Health Professions Building Perfusion Lab**

**Central Michigan University – Wightman 146 Spray Booths**

**Central Michigan University – Wightman Textile Lab HVAC Upgrade**

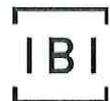
**Eastern Michigan University – Pray Harrold Building Modernization**

**Grand Valley State University – Mary Idem Pew Library and Information Commons**

**Grand Rapids Community College – Cook Hall Renovation**

**Grand Rapids Community College – FSU Molecular Diagnostic Lab Renovation**

**Grand Rapids Community College – Secchia Institute for Culinary Education Teaching Theater Renovation**



Henry Ford Community College – Culinary Arts & Student Center Renovation

Lansing Community College – Arts and Sciences Building Renovation

Lansing Community College – Gannon Building Renovation

Michigan State University – Akers Hall Dining & Life Safety Renovations

Michigan State University – Bailey and Rather Hall Renovation

Michigan State University – International Center Energy Impact Study

North Central Michigan College – Residence Hall Building 11 Upgrades

North Central Michigan College – Science Center

Oakland University – O’Dowd Hall Auditorium Renovations

Oakland University – Golf Banquet Building

Oakland University – O’Dowd Hall School of Medicine First, Fourth and Fifth Floor Renovations

Oakland University – Oakland Center Expansion/Renovation

Old Dominion University – College of Education

Paris Junior College – Natural Science Building Renovation

Schoolcraft College – Public Safety Center Renovation

Schoolcraft College – VisTaTech Boardroom Renovation

Temple College – New Instructional Facility

Texas State University – San Marcos - West Campus Housing

University of Michigan – Art & Architecture Building Second Floor Renovation Phase II

University of Michigan – College of Pharmacy First Floor Upgrade

University of Michigan – Oxford Student Housing Renovation

University of Michigan – Schembechler Hall Office Renovation

University of Michigan – School of Education Master Plan

University of Michigan – School of Education Renovation

University of Michigan – Shapiro Library Elevator Replacement

University of Michigan, Dearborn – Science Building-CIS Renovation

University of Michigan, Dearborn – Campus Energy Conservation Measures Phase I



**University of Michigan, Dearborn – Henry Ford Estate Utility Changeover**

**University of Michigan, Dearborn – CASL Multimedia Infrastructure Upgrade**

**University of Michigan, Dearborn – Mardigian Library Phase II Engineering Services**

**University of Michigan, Flint – CAPS Office Renovation**

**Western Michigan University – Sangren Hall, College of Education**

**Western Michigan University – Archives Facility Relocation**

**University of Michigan – Photovoltaic Power Generation Study**

**University of Michigan – Revelli Hall Service Replacement**

***Healthcare***

**Beaumont Hospital – Upgrades - Royal Oak, MI** – Designed and created bidding documents for chiller and cooling tower upgrades.

**Mayo Clinic – Rochester, MN** – Performed field investigations and drafting for power distribution systems at the Rochester, Minnesota clinic.

**Mayo Clinic - Rochester, MN** – Documented the power distribution system in clinic buildings.

**Mease Hospital – Renovation Coffee Shop & Storage Area – Dunedin, FL** – Performed drafting for a facility renovation of the hospital's coffee shop and storage area in Dunedin, Florida.

**University of Minnesota Hospital – New Hospital - Minneapolis, MN** – Designed hospital room power and communications systems.

**Oakwood Hospital – Additions/Renovations - Dearborn, MI** – Designed a power distribution infrastructure upgrade.

**University of Michigan Hospital – Additions/Renovations - Ann Arbor, MI** – Designed additions and renovations to the MCHC CCTV and voice reader system.

**University of Michigan Hospital – Bidding Documents - Ann Arbor, MI** – Designed and created bidding documents for an upgraded security system at the Operating Room and Trauma Burn Center.



## Rochelle Laipply Assistant Project Manager

Specializing in securing funding and writing grants, Ms. Laipply is familiar with all aspects of the funding process. Her experience working with various community development organizations and funding agencies throughout central and southeastern Ohio enhances her ability to understand clients' funding needs and recommend feasible funding solutions.

With more than a decade of experience in the environmental testing industry, Ms. Laipply's knowledge and understanding of laboratory operations and management provides clients with targeted and timely responses to environmental needs and emergencies.

Ms. Laipply has served as a project manager on several environmental clean-up contracts. In that role, she was responsible for all customer communication and consultation, general laboratory administration supervision, as well as receiving samples from clients. Other duties included proposal generation, account payables, project review and scheduling, fee development, invoicing, and overall client satisfaction.

In addition to these management and administrative tasks, Ms. Laipply has assisted her firms in business development roles, maintaining existing client relationships and developing potential new client relationships.

Ms. Laipply's proven relationships with funding agencies allow her to excel at writing grant and loan applications to assist in securing funding. She oversees the administration of funding beginning with the application through monitoring and documenting the proper use of funds to ensure funding maintenance.

As Assistant Project Manager, Ms. Laipply handles day-to-day client contacts and coordinates all laboratory testing needs. Ms. Laipply also uses her resources and knowledge within the engineering and funding administration fields to help M•E continue to achieve exceptional results for clients.

### Representative Experience

#### *Special Appropriations Projects Grants*

- Water Treatment Plant Improvements – Village of Pomeroy
- Water Treatment Plant Improvements – Village of Somerset
- Northern Perry County Water District Waterline Extension, Phase 1 – Perry County
- Perry County Waterline Extension – Burr Oak Regional Water District

---

### Education

Clean Ohio Training Workshop for 2003 applications, March 2003

Advanced Brownfields Redevelopment Workshop  
October 2002

Clean Ohio Round Table September 2002

B.S., Psychology, Ohio Dominican College,  
Columbus, OH, 1990

### Experience

#### 2014–Present

IBI Group, Westerville, OH, Assistant Project Manager

#### 2013–2014

M•E/IBI Group, Westerville, OH, Assistant Project Manager



## Christopher Pence Senior GIS/CAD Technician

Mr. Pence is a Senior GIS/CAD Technician whose duties include research, analysis and input of data for engineering plans. He is skilled in the use of software programs for the creation of graphics and maps for production of quality maps and exhibits suitable for Public Hearings, Due Diligence Reports and governmental agency submittals for project permitting.

Currently, he is providing GIS oversight and support while also providing CAD plan production for engineers and planners. He also maintains a database that houses GIS data for much of Florida and has produced a large number of exhibits that pertain to site analysis. In addition to thorough knowledge about GIS in Florida, Mr. Pence has also performed similar tasks for projects and/or potential work in Illinois, North Carolina, New York, Georgia, Alabama, Dubai and Tunisia, as well as throughout the Caribbean region.

Mr. Pence is fluent in the use of state of the art GIS, engineering and graphics software including: AutoCAD Civil 3D, ARC/GIS, Adobe CS, and Microsoft Office.

### Representative Experience

**Ranger Drainage District – Orange County, FL** – Prepared all analytical mapping tools required to support drainage modeling and implementation of water control plans for engineering. Created numerous maps for District and Orange County use; i.e. an overall map of the District incorporating canals, lots, roads, conservation areas and wetlands, utilizing GIS data and created maps for the Ranger Drainage District/Orange County Culvert Replacement Program, Phases IV and V. Additional responsibilities include the training of District staff for GIS data base maintenance ensuring data accuracy for multi-million dollar culvert replacement drainage improvement programs.

**Sunshine Water Control District – Coral Springs, FL** – Developed and currently maintaining a GIS database for the drainage district. Prepared all analytical mapping tools required to support drainage modeling and implementation of water control plans for engineering. Created a GIS database by incorporating data from multiple agencies and resources. Consulted district personnel regarding the purchase and implementation of GIS hardware and software. Will be providing general GIS training to staff. In addition to GIS tasks, Mr. Pence also is responsible for producing CAD drawings for multiple projects within the district.

**Briny Avenue Streetscape – Pompano Beach, FL** — A 'shared street' concept was selected that will consider the interaction of pedestrians, bicyclists, and motorists with smart growth and urban design concepts, creating a safe and enjoyable environment for the community. Production of CAD design and construction documents including paving, grading & drainage plans, water & sewer plans, demolition plans, roadway profiles and cross sections, also produced a variety of exhibits and reports related to site analysis, opportunities, constraints and inventory.

---

### Education

ESRI User Conference - Seminars:  
Cartography/Creating Better Maps + Map Design  
for GIS + Developing Address Management  
Systems: The Fundamentals, July 2005

ESRI Certification Course, West Palm Beach, FL,  
2004

AutoCAD Certificate, Wake Technical College,  
Raleigh, NC, 1999

### Experience

#### 2004–Present

IBI Group (Florida) Inc., Pompano Beach, FL,  
Senior GIS/CAD Technician

#### 2003–2004

CCL Consultants, Inc., Pompano Beach, FL,  
GIS/CAD Technician

#### 2000–2002

Post, Buckley, Schuh & Jernican, West Palm  
Beach, FL, CAD Technician

#### 2000

Tower Engineering, Raleigh, NC, CAD Technician



**Hollywood Beach Streetscape – Hollywood, FL** — Member of the team that created a Master Plan for the improvement of 52-blocks within the Hollywood Beach CRA. The Master Plan project included establishing a vision for the district, as well as the creation of prototypical designs to address specific land uses. Mr. Pence provided, production of CAD design and construction documents including paving, grading & drainage plans, water & sewer plans, demolition plans, roadway profiles and cross sections.

**City of Dania Beach CRA – Dania Beach, FL** – Provided GIS production of CAD design and construction documents for US 1 right of way landscape improvements. Data analysis and thematic mapping were created to support engineering recommendations for street improvements as well as bridge replacements, hardscaping and utility improvements.

**Dade Boulevard Bicycle Path – Miami Beach, FL** – Produced engineering plans for bicycle path design and construction. Also produced drawing plans for canal seawall replacement in addition to providing many GIS exhibits related to the project.



# Richard C. Wohlfarth, P.E.

## Principal/ Director of Engineering

### **FORMAL EDUCATION:**

University of Florida,  
Gainesville, Florida

Bachelor of Science,  
Civil Engineering

### **PROFESSIONAL REGISTRATIONS:**

Registered Engineer-  
State of Florida #50858

Registered Building Inspector-  
State of Florida BN #3580

SBCCI #6528

ACI Level 1 #991175

UBCI

### **PROFESSIONAL AFFILIATIONS:**

Florida Engineering Society  
\*Past Chapter President

National Society of Professional  
Engineers

### **REFERENCES:**

Palm Beach County -  
Department of Engineering and  
Public Works  
2300 North Jog Road  
West Palm Beach, Fl. 33411  
Mr. David Young, PE  
561- 684-4149

C3TS Stantec  
21301 Powerline Road  
Boca Raton, Florida 33433  
Mr. Terry Glunt  
561-487-3379

### **PROFESSIONAL EXPERIENCE:**

Mr. Wohlfarth, P.E. is the Director of the Engineering Department which includes professional and technical personnel. He also has overall responsibility for the Special Inspection, Construction Materials Testing and Geotechnical Engineering Divisions where he directs training, quality system review and personnel evaluations. His responsibilities include report review, signing and sealing geotechnical engineering, structural inspection and laboratory testing reports for the company, providing contract negotiation and administration, budget estimating and project management.

Mr. Wohlfarth has 25 years of experience (20 with NEF) in various aspects of geotechnical engineering which include determining feasibility of site development, foundation design analysis and recommendations, providing engineering evaluation for bridge and roadway construction, pavement design for roadways, roadway subgrade stabilization by geotextiles and other means, design of shoring systems for utility trenches and other deep excavations, dewatering methodology for trench and other excavations and backfill procedures, setting up and monitoring pile load tests, and providing value engineering for foundations.

### **PROJECT EXPERIENCE:**

- Village of Wellington Municipal Complex: Two-story 53,000 SF municipal building, a one-story 1,200 SF restroom building and playground structures in the park, a 3,200 SF amphitheater, asphalt paved parking areas, associated roadways
- Gulfstream Park, Hallandale: Expansion of racetrack and ancillary structures, construction of shopping and dining area, parking lot, six-story parking structure, residential tower, outdoor leisure areas, sidewalks
- Hosfort Park Improvements, City of Coconut Creek: Sewer Repair
- Westside Park Improvements, Phase II, Deerfield Beach: Proposed new sidewalks, bleachers and four athletic field lights
- Veterans Park, City of Tamarac: Proposed pedestrian dock
- Emerald Estates Park Improvements, Weston: Improvements include enlarging the parking area, new asphalt walkways, relocating the basketball court, along with other minor improvements.
- Children's Amphitheater, City of Boynton Beach CRA: renovation of existing amphitheater for a canopied covered stage area and the conversion of the existing staircase area into an elevated stage.
- Various projects for the City of Miramar: Miramar Community and Outdoor Cultural Amphitheater @ Miramar Regional Park, Miramar overflow parking facility, Ansin Sports Complex, Bass Creek staging area, Vizcaya Park
- Various projects for the Miami Dade County Board of Commissioners: Qualification Based Contract (since 2000) and Miami Dade County School District- Qualification Based Contract (since 2002)

# Christopher Gworek, P.E.

## Senior Project Engineer

### **FORMAL EDUCATION:**

Clarkson University,  
Potsdam, New York

Studied towards a Master  
of Engineering Degree-  
Wastewater Treatment and  
Pollution Control

Bachelor of Science-Civil-  
Environmental Engineering

### **PROFESSIONAL REGISTRATIONS:**

Professional Engineer  
State of Florida #69447

ACI Concrete Field Testing  
Level 1

### **PROFESSIONAL AFFILIATIONS:**

Florida Engineering  
Society-  
Palm Beach Chapter  
"2014 Engineer of the Year"

American Society of Civil  
Engineers (ASCE)

### **REFERENCES:**

Village of Royal Palm each  
4800 W. Copans Road  
Coconut Creek, Florida  
33063

Mr. Lou Italico, Public  
Works Supervisor  
954-973-6780

Carmo Engineering  
228 East Ocean Avenue  
Lantana, Florida 33462  
Mr. Dave Carmo  
561-586-1111

### **PROFESSIONAL EXPERIENCE:**

Mr. Gworek serves as a Senior Project Manager/ Engineer. His responsibilities include preliminary site studies, geotechnical explorations to determine site preparation, feasibility studies for land development, foundation design analysis and recommendations, supervision and training of drill crews, workload analysis, observation of piling installations, pile load tests, classification of in-situ soils and field/laboratory materials testing. Mr. Gworek's experience includes construction layout, prepare surveys and asbuilts for approval from clients, contractors and the county, collection of field data, layout of structures, buildings and roads and ensuring quality of work being performed in the field by maintaining correspondence between the office and the contractor.

Mr. Gworek has 15 years of experience includes design of flexible (asphalt) and/or rigid (concrete) pavement. Mr. Gworek has been providing pre-condition video surveys and vibration monitoring services over the past 10 years. He has been working with representatives of GeoSonics (Seismograph Developer) on an on-going basis to continuously improve his knowledge on the interpretation of the data collected. Mr. Gworek also serves as project manager for numerous government projects including Palm Beach, Broward and Miami-Dade Counties.

Mr. Gworek was recently named the "2014 Engineer of the Year" for the Palm Beach County Chapter of the Florida Engineering Society and is under consideration for the State recognition.

### **PROJECT EXPERIENCE:**

- Bob Marcello Park, Village of Royal Palm Beach: Demolition and reconstruction of existing tennis courts, and expansion of existing baseball field
- Westside Park, Deerfield Beach: Construction of new sidewalks, bleachers and sports lighting
- Village of Wellington Municipal Complex: Two-story 53,000 SF municipal building, a one-story 1,200 SF restroom building and playground structures in the park, a 3,200 SF amphitheater, asphalt paved parking areas, associated roadways
- City of Coconut Creek:
  - Sabal Pines Park Ball field Improvements: Drainage improvements
  - Public Works Building
- City of Pompano Beach:
  - Community Park Aquatic Center: Aquatic Timing Device (Scoreboard)
  - Palm Aire Park Improvements: New single-story 500 SF restroom building
- City of Pompano Beach (c/o entity-hired firms):
  - Public Safety Building: Entrance modifications (ongoing)
  - Alsdorf Park Improvements: Expansion of paved parking area, existing boat dock, boat ramp and seawall
  - Air Park proposed Master Plan: Lift Station #11 Replacement
  - Highlands Park Restroom Building

# Scott Ersland

## Geotechnical Division Manager

### **FORMAL EDUCATION:**

University of Wisconsin  
Eau Claire, Wisconsin

Palm Beach Community  
College, West Palm Beach

Rochester Community  
College, Minnesota

### **PROFESSIONAL REGISTRATIONS:**

NIOSH 582 Sampling and  
Evaluating Airborne Asbestos  
Dust Training

Asbestos Abatement  
Contractor/Supervisor Training  
Course (40 hours)

State of Minn. Department of  
Health Asbestos Abatement  
Site Supervisor

OSHA training for Hazardous  
Waste Operations and  
Emergency Response

Annual 8-Hour OSHA  
Refresher Course for Working  
at Hazardous Sites

### **PROFESSIONAL AFFILIATIONS:**

State of Florida Water Well  
Contractor #11110

The National Groundwater  
Association

### **REFERENCES:**

Mathews Consulting, Inc.  
477 South Rosemary Ave.  
West Palm Beach, FL  
Mr. David Mathews  
561-655-6175

### **PROFESSIONAL EXPERIENCE:**

Mr. Ersland is the Department Manager of the Geotechnical and Environmental Drilling Division for each of our office locations- Miami Dade, Palm Beach, and St. Lucie Counties. This division includes ~12 technical field personnel and a fleet of 7 truck mounted drill rigs and 1 track rig.

Mr. Ersland's duties include project planning, proposal and contract preparation and execution of requested services as well as client development and interaction. He has *nineteen* years of experience and has coordinated projects requiring standard penetration test borings (SPTs), auger borings, rock coring and double ring infiltration tests. Mr. Ersland oversees projects concerning the installation of monitoring wells, recovery wells, vapor extraction wells and air sparge wells; well abandonment, air lifting and South Florida Water Management District and Florida Department of Transportation (FDOT) exfiltration tests. Clients for these projects include, but are not limited to, public and private entities which includes different Engineering and Public Work Departments, Water and Sewer Departments and Roadway Divisions; the FDOT; and land developers. Mr. Ersland is familiar with permit acquisition procedures for the South Florida Water Management District, State of Florida Department of Health and Rehabilitative Services and the FDOT.

Mr. Ersland is OSHA health and safety trained and responsible for the oversight and implementation of safety procedures of his field personnel. He ensures that proper safety precautions are used by his personnel, and that proper sample handling techniques maintain the integrity of the samples.

### **PROJECT EXPERIENCE:**

- Bob Marcello Park, Village of Royal Palm Beach: Demolition and reconstruction of existing tennis courts, and expansion of existing baseball field
- Village of Wellington Municipal Complex: Two-story 53,000 SF municipal building, a one-story 1,200 SF restroom building and playground structures in the park, a 3,200 SF amphitheater, asphalt paved parking areas, associated roadways
- OB Johnson Park, City of Hallandale: Proposed construction of a two to three story, approximately 45,000 square foot building with site amenities
- Peace Mound Park, Weston: Replacement of an existing wooden bridge/dock structure over a lake
- Westside Park, Deerfield Beach: Construction of new sidewalks, bleachers and sports lighting
- Sable Pines Park, Coconut Creek: Drainage improvements for existing ball fields
- Lakes Sevilla Estates Park Improvements, Town of Miami: Picnic shelter, playground, basketball half court and observation pier, asphalt walkways
- Olympic Park, Miami: Installation of light pole along existing walkway

# Michael D. Avirom, P.L.S.

## President



### **Experience Highlights**

*Over 42 years of  
land surveying experience*

### **Education**

*Miami-Dade Junior College  
Associate in Arts*

*Florida Atlantic University  
Bachelor of Business  
Administration*

*Palm Beach Junior College  
Associate in Science  
Land Surveying*

### **Professional Registrations**

*Professional Land Surveyor  
Florida*

### **Professional Affiliations**

*Florida Society of Professional  
Land Surveyors*

*National Society of Professional  
Land Surveyors*

Michael Avirom established Avirom & Associates, Inc. in 1981. Mr. Avirom's surveying expertise in boundary, aerial mapping, topography, jurisdictional wetlands, bathymetric, condominium surveys, expert witness testimony and construction layout distinguish him as a respected professional in the industry.

### **Project Experience**

**Village of Palm Springs** Route-of-line survey, base mapping of existing utilities above and below ground on over 100 linear feet of roadways for engineer's design, legal descriptions for easement acquisitions

**Highland Beach** Mapped town limits for the engineering design and construction of underground utilities

**City of West Palm Beach** Flagler Drive from SE 6<sup>th</sup> Street to SE 10<sup>th</sup> Street. Route-of-line survey, base mapping of existing utilities above and below ground for engineer's design. Provided soundings across Intracoastal and prepared submerged land easements for proposed forcemain

**City of Boca Raton, Downtown Promenade** Base mapping of all existing above ground improvements, utilities, right-of-ways, and easements for engineer's design

**Glades Road Water Treatment Plant, City of Boca Raton** Provided support for ground and topographic aerial mapping. Located existing above ground evidence of utility for engineering design

**Florida Power & Light Company** Statewide submerged land easements, obtained platted and sectional monumentation utilizing GPS to prepare approximately 200 survey sketches and legal descriptions for submerged land easements along the entire East Coast of Florida from Miami to Fernandina Beach and the west coast from Tampa south to Naples. Coordinated with divers for the location of underwater cables

**Boca Raton Hotel & Beach Club** Boundary, topographic and mean high water line surveys, prepared easements and submerged land acquisitions. Provided location of above and below ground utilities for engineering design

**Florida Power & Light Company, Levee-Midway** 500 kV transmission line survey - 140 mile corridor, survey for right-of-way acquisition, GPS control, legal descriptions, profiles, cross sections and construction layout, St. Lucie, Martin, Palm Beach, Broward, and Dade Counties, Florida

**Oceanfront Properties in Boca Raton, Highland Beach, Delray Beach and Hillsboro Beach** Boundary, topographic, mean high water line, erosion control line, coastal construction control line surveys and DEP permit surveys



# David A. Howe

## Project Manager

---



### **Experience Highlights**

*Over 32 years of  
land surveying experience*

### **Education**

*Civil Engineering Technician*

### **Project Experience**

**Enterprise Holdings, Palm Beach International Airport** Construction layout and as-builts to construct a 20 acre Enterprise / Alamo car rental facility. Services include, but are not limited to, layout of light poles, 230 columns for canopies, miscellaneous concrete layout, vertical and horizontal control, quality control checks on layout from other contractors and 5 building layouts along with location of building for the forms and slab stages being tied into and shown on boundary survey. Upon complete, an overall ALTA survey for entire site showing all newly constructed improvements.

**Palm Springs Wastewater System Improvements** Construction layout and as-built for installation of water, force main and sanitary system on 3 miles of an existing residential area. Additionally, all roads were laid out for reconstruction after installation of utilities. Being an existing residential area, support to contractor and design engineer was given for design build situations as they arose.

**Pembroke Pointe "A"** Construction layout and as-builts on new 4 acre commercial site for water, sanitary sewer, drainage, force main, parking and building. Support to design engineer on conflicts found during the construction stages on the existing utilities running within area of new construction.

**Boca Lofts** Construction layout and as-builts for water, sanitary, force main and drainage. Additionally, layout of future 6 story building in all phases. These phases were the initial ground layout on 6 phases followed by form and slab tie-ins for all phases. Once slab is poured, grid lines were laid out for all trades to use. The grid layout being provided on all floors as building being erected. Upon completion with building, a complete survey depicting all new improvements to site.

**Lantana Sports Facility** Construction layout and as-builts on a 14 acre site for 3 ballfields, 2 soccer fields, concession stand, 6 dugouts, parking lot, retention areas together with all utilities to service facility.



RICK SCOTT, GOVERNOR KEN LAWSON, SECRETARY

**STATE OF FLORIDA**  
**DEPARTMENT OF BUSINESS AND PROFESSIONAL REGULATION**  
**BOARD OF ARCHITECTURE & INTERIOR DESIGN**

<b>LICENSE NUMBER</b>	
AA26001503	

The ARCHITECT CORPORATION  
Named below IS CERTIFIED  
Under the provisions of Chapter 481 FS.  
Expiration date: FEB 28, 2017



WEST ARCHITECTURE + DESIGN LLC  
318 SOUTH DIXIE HIGHWAY  
STE 4-5  
LAKE WORTH FL 33460



ISSUED: 01/05/2015 DISPLAY AS REQUIRED BY LAW SEQ # L1501050001083

RICK SCOTT, GOVERNOR KEN LAWSON, SECRETARY

**STATE OF FLORIDA**  
**DEPARTMENT OF BUSINESS AND PROFESSIONAL REGULATION**  
**BOARD OF ARCHITECTURE & INTERIOR DESIGN**

<b>LICENSE NUMBER</b>	
AR93859	

The ARCHITECT  
Named below IS LICENSED  
Under the provisions of Chapter 481 FS.  
Expiration date: FEB 28, 2017



WEST, MATTHEW FIELDEN  
318 S DIXIE HWY  
STE 4-5  
LAKE WORTH FL 33460



ISSUED: 01/05/2015 DISPLAY AS REQUIRED BY LAW SEQ # L1501050001036



LICENSES & CERTIFICATIONS

 **ANNE M. GANNON**  
CONSTITUTIONAL TAX COLLECTOR  
Serving Palm Beach County  
P.O. Box 3353, West Palm Beach, FL 33402-3353  
www.pbctax.com Tel: (561) 355-2264

"LOCATED AT"  
318 S DIXIE HIGHWAY SUITE 4-5  
LAKE WORTH, FL 33460-4452

Serving you.

TYPE OF BUSINESS	OWNER	CERTIFICATION #	RECEIPT #/DATE PAID	AMT PAID	BILL #
64-0051 ARCHITECT	WEST MATTHEW F	AR93559	B14.1460917 / 09/11/14	\$33.00	B40155653

This document is valid only when received by the Tax Collector's Office.

WEST ARCHITECTURE + DESIGN LLC  
WEST ARCHITECTURE + DESIGN LLC  
318 S DIXIE HIGHWAY SUITE 4-5  
LAKE WORTH, FL 33460-4452

B1 - 579

STATE OF FLORIDA  
PALM BEACH COUNTY  
2014/2015 LOCAL BUSINESS TAX RECEIPT  
LBTR Number: 201005982  
EXPIRES: SEPTEMBER 30, 2015

This receipt grants the privilege of engaging in or managing any business profession or occupation within its jurisdiction and MUST be conspicuously displayed at the place of business and in such a manner as to be open to the view of the public.

 **ANNE M. GANNON**  
CONSTITUTIONAL TAX COLLECTOR  
Serving Palm Beach County  
P.O. Box 3353, West Palm Beach, FL 33402-3353  
www.pbctax.com Tel: (561) 355-2264

"LOCATED AT"  
318 S DIXIE HIGHWAY SUITE 4-5  
LAKE WORTH, FL 33460-4452

Serving you.

TYPE OF BUSINESS	OWNER	CERTIFICATION #	RECEIPT #/DATE PAID	AMT PAID	BILL #
64-0020 RESIDENTIAL ARCHITECTURAL DESIGN	WEST MATTHEW F		B14.1489944 - 09/11/14	\$33.00	B40155657

This document is valid only when received by the Tax Collector's Office.

WEST ARCHITECTURE + DESIGN LLC  
WEST ARCHITECTURE + DESIGN LLC  
318 S DIXIE HIGHWAY SUITE 4-5  
LAKE WORTH, FL 33460-4452

B2 - 579

STATE OF FLORIDA  
PALM BEACH COUNTY  
2014/2015 LOCAL BUSINESS TAX RECEIPT  
LBTR Number: 201005983  
EXPIRES: SEPTEMBER 30, 2015

This receipt grants the privilege of engaging in or managing any business profession or occupation within its jurisdiction and MUST be conspicuously displayed at the place of business and in such a manner as to be open to the view of the public.

**City of Lake Worth Business License 2014 - 2015**  
NON TRANSFERABLE

BUSINESS NUMBER: 0016201  
BUSINESS NAME: WEST ARCHITECTURE & DESIGN LLC  
BUSINESS ADDRESS: 318 S DIXIE HWY 4, LAKE WORTH FL 33460

LICENSE NUMBER	CLASSIFICATION	DESCRIPTION
15-00034641	90.B28	BUSINESS OFFICE GENERAL (BTR) ARCHITECTURE FIRM

EXPIRES  
SEPTEMBER 30th  
2015

 **City of Lake Worth Business License Division**  
1900 2nd Avenue North • Lake Worth, Florida 33461

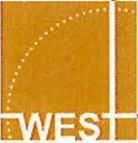
**City of Lake Worth Business License 2014 - 2015**  
NON TRANSFERABLE

BUSINESS NUMBER: 0016201  
BUSINESS NAME: WEST ARCHITECTURE & DESIGN LLC  
BUSINESS ADDRESS: 318 S DIXIE HWY 4, LAKE WORTH FL 33460

LICENSE NUMBER	CLASSIFICATION	DESCRIPTION
15-00034640	80.0	PROFESSIONALS (BTR) ARCHITECT

EXPIRES  
SEPTEMBER 30th  
2015

 **City of Lake Worth Business License Division**  
1900 2nd Avenue North • Lake Worth, Florida 33461





**CERTIFICATE OF LIABILITY INSURANCE**

WESTCON-04 **LGLEASON**

DATE (MM/DD/YYYY)  
12/24/2014

THIS CERTIFICATE IS ISSUED AS A MATTER OF INFORMATION ONLY AND CONFERS NO RIGHTS UPON THE CERTIFICATE HOLDER. THIS CERTIFICATE DOES NOT AFFIRMATIVELY OR NEGATIVELY AMEND, EXTEND OR ALTER THE COVERAGE AFFORDED BY THE POLICIES BELOW. THIS CERTIFICATE OF INSURANCE DOES NOT CONSTITUTE A CONTRACT BETWEEN THE ISSUING INSURER(S), AUTHORIZED REPRESENTATIVE OR PRODUCER, AND THE CERTIFICATE HOLDER.

**IMPORTANT:** If the certificate holder is an ADDITIONAL INSURED, the policy(ies) must be endorsed. If SUBROGATION IS WAIVED, subject to the terms and conditions of the policy, certain policies may require an endorsement. A statement on this certificate does not confer rights to the certificate holder in lieu of such endorsement(s).

PRODUCER <b>Collinsworth, Alter, Lambert, LLC</b> 23 Eganfuskee Street Suite 102 Jupiter, FL 33477	CONTACT NAME: <b>Lori B. Gleason</b>
	PHONE (A/C, No, Ext): <b>(561) 776-9001</b> FAX (A/C, No): <b>(561) 427-6730</b> E-MAIL ADDRESS: <b>lgleason@callc.com</b>
INSURED <b>West Architecture + Design LLC</b> 318 South Dixie Highway Suite 4-5 Lake Worth, FL 33460	INSURER(S) AFFORDING COVERAGE <b>INSURER A: Amerisure Insurance Co</b> NAIC # <b>19488</b>
	<b>INSURER B: North River Insurance Company</b> NAIC # <b>21105</b>
	INSURER C:
	INSURER D:
	INSURER E:
	INSURER F:

**COVERAGES**      **CERTIFICATE NUMBER:**      **REVISION NUMBER:**

THIS IS TO CERTIFY THAT THE POLICIES OF INSURANCE LISTED BELOW HAVE BEEN ISSUED TO THE INSURED NAMED ABOVE FOR THE POLICY PERIOD INDICATED. NOTWITHSTANDING ANY REQUIREMENT, TERM OR CONDITION OF ANY CONTRACT OR OTHER DOCUMENT WITH RESPECT TO WHICH THIS CERTIFICATE MAY BE ISSUED OR MAY PERTAIN, THE INSURANCE AFFORDED BY THE POLICIES DESCRIBED HEREIN IS SUBJECT TO ALL THE TERMS, EXCLUSIONS AND CONDITIONS OF SUCH POLICIES. LIMITS SHOWN MAY HAVE BEEN REDUCED BY PAID CLAIMS.

INSR LTR	TYPE OF INSURANCE	ADDL INSD	SUBR WVD	POLICY NUMBER	POLICY EFF (MM/DD/YYYY)	POLICY EXP (MM/DD/YYYY)	LIMITS	
A	<input checked="" type="checkbox"/> COMMERCIAL GENERAL LIABILITY <input type="checkbox"/> CLAIMS-MADE <input checked="" type="checkbox"/> OCCUR <input checked="" type="checkbox"/> XCU & Contractual <input checked="" type="checkbox"/> Broad Form Prop. Dam GEN'L AGGREGATE LIMIT APPLIES PER: <input type="checkbox"/> POLICY <input checked="" type="checkbox"/> PROJECT <input type="checkbox"/> LOC OTHER:			CPP2086774010015	01/01/2015	01/01/2016	EACH OCCURRENCE	\$ 1,000,000
							DAMAGE TO RENTED PREMISES (Ea occurrence)	\$ 100,000
							MED EXP (Any one person)	\$ 5,000
							PERSONAL & ADV INJURY	\$ 1,000,000
							GENERAL AGGREGATE	\$ 2,000,000
							PRODUCTS - COMP/OP AGG	\$ 2,000,000
								\$
A	AUTOMOBILE LIABILITY <input checked="" type="checkbox"/> ANY AUTO <input type="checkbox"/> ALL OWNED AUTOS <input checked="" type="checkbox"/> HIRED AUTOS <input type="checkbox"/> SCHEDULED AUTOS <input checked="" type="checkbox"/> NON-OWNED AUTOS			CA12999291701	01/01/2015	01/01/2016	COMBINED SINGLE LIMIT (Ea accident)	\$ 1,000,000
							BODILY INJURY (Per person)	\$
							BODILY INJURY (Per accident)	\$
							PROPERTY DAMAGE (Per accident)	\$
							PIP Coverage	\$ 10,000
B	<input checked="" type="checkbox"/> UMBRELLA LIAB <input checked="" type="checkbox"/> OCCUR <input type="checkbox"/> EXCESS LIAB <input type="checkbox"/> CLAIMS-MADE DED <input checked="" type="checkbox"/> RETENTION \$ 0			5811024627	01/01/2015	01/01/2016	EACH OCCURRENCE	\$ 10,000,000
							AGGREGATE	\$ 20,000,000
								\$
A	WORKERS COMPENSATION AND EMPLOYERS' LIABILITY ANY PROPRIETOR/PARTNER/EXECUTIVE OFFICER/MEMBER EXCLUDED? (Mandatory in NH) If yes, describe under DESCRIPTION OF OPERATIONS below		Y/N N/A	WC204167408	01/01/2015	01/01/2016	<input checked="" type="checkbox"/> PER STATUTE	
							E.L. EACH ACCIDENT	\$ 1,000,000
							E.L. DISEASE - EA EMPLOYEE	\$ 1,000,000
							E.L. DISEASE - POLICY LIMIT	\$ 1,000,000
A	Rented/Leased Equip.			QT6609216L272TIL14	01/01/2015	01/01/2016	Limit	200,000
A	Inland Marine			QT6609216L272TIL14	01/01/2015	01/01/2016	Scheduled Equipment	

DESCRIPTION OF OPERATIONS / LOCATIONS / VEHICLES (ACORD 101, Additional Remarks Schedule, may be attached if more space is required)  
 The Certificate Holder is named as additional insured including products and completed operations for general liability per form CG7048, automobile liability, and umbrella liability when required by written contract. General Liability and Auto Liability are primary and non contributory when required by written contract. Waiver of subrogation applies to general liability per CG7049, automobile liability, umbrella liability, and workers' compensation when required by written contract. Umbrella extends over general liability, auto liability and employer's liability. Should any of the above described policies be cancelled, notice will be delivered in accordance with the policy provisions.

<b>CERTIFICATE HOLDER</b>  FOR PROPOSAL PURPOSES	<b>CANCELLATION</b>  SHOULD ANY OF THE ABOVE DESCRIBED POLICIES BE CANCELLED BEFORE THE EXPIRATION DATE THEREOF, NOTICE WILL BE DELIVERED IN ACCORDANCE WITH THE POLICY PROVISIONS.
	AUTHORIZED REPRESENTATIVE <i>Lori B. Gleason</i>

© 1988-2014 ACORD CORPORATION. All rights reserved.

ACORD 25 (2014/01)

The ACORD name and logo are registered marks of ACORD



**State of Florida**  
 Board of Professional Engineers

Attests that  
**IBI Group (FLORIDA) Inc.**




is authorized under the provisions of Section 471.023, Florida Statutes, to offer engineering services to the public through a Professional Engineer, duly licensed under Chapter 471, Florida Statutes.

Expiration: 2/28/2017  
 Audit No: 228201703390

CA Lic. No:  
**2966**

**STATE OF FLORIDA**  
 DEPARTMENT OF BUSINESS AND PROFESSIONAL REGULATION  
 BOARD OF LANDSCAPE ARCHITECTURE

**LICENSE NUMBER**  
 LC26000270

The LANDSCAPE ARCHITECT BUSINESS  
 Named below HAS REGISTERED  
 Under the provisions of Chapter 481 FS.  
 Expiration date: NOV 30, 2015

IBI GROUP (FLORIDA) INC  
 2200 PARK CENTRAL BLVD NORTH  
 SUITE 100  
 POMPANO BEACH FL 33064




RICK SCOTT  
 GOVERNOR

ISSUED: 10/01/2013 SEQ # L1310010002452  
 DISPLAY AS REQUIRED BY LAW

KEN LAWSON  
 SECRETARY

RICK SCOTT, GOVERNOR

KEN LAWSON, SECRETARY

**STATE OF FLORIDA**  
 DEPARTMENT OF BUSINESS AND PROFESSIONAL REGULATION  
 BOARD OF LANDSCAPE ARCHITECTURE

**LICENSE NUMBER**  
 LA0001695

The LANDSCAPE ARCHITECT  
 Named below HAS REGISTERED  
 Under the provisions of Chapter 481 FS.  
 Expiration date: NOV 30, 2015

DAVIS, STEVEN KENT  
 POB 600584  
 JACKSONVILLE FL 32260




ISSUED: 10/14/2014

DISPLAY AS REQUIRED BY LAW

SEQ # L1410140002345

RICK SCOTT, GOVERNOR

KEN LAWSON, SECRETARY

**STATE OF FLORIDA**  
 DEPARTMENT OF BUSINESS AND PROFESSIONAL REGULATION  
 BOARD OF LANDSCAPE ARCHITECTURE

**LICENSE NUMBER**  
 LA6666975

The LANDSCAPE ARCHITECT  
 Named below HAS REGISTERED  
 Under the provisions of Chapter 481 FS.  
 Expiration date: NOV 30, 2015

HERNANDEZ, DEBRA LYNN  
 10451 N.W. 10TH COURT  
 CORAL SPRINGS FL 33071




ISSUED: 11/04/2013 SEQ # L1311040001234  
 DISPLAY AS REQUIRED BY LAW



**State of Florida**  
**Board of Professional Engineers**

Attests that  
**Patricia Ramudo, P.E.**




Is licensed as a Professional Engineer under Chapter 471, Florida Statutes  
 Expiration: 2/28/2017  
 Audit No: 228201714856

P.E. Lic. No:  
**35798**



**GREEN BUILDING CERTIFICATION INSTITUTE**

**Patricia Frexes Ramudo**

**LEED® ACCREDITED PROFESSIONAL**

BY DEMONSTRATING THE KNOWLEDGE OF GREEN BUILDING PRACTICE  
 REQUIRED FOR SUCCESSFUL IMPLEMENTATION OF THE LEADERSHIP IN ENERGY  
 AND ENVIRONMENTAL DESIGN (LEED) GREEN BUILDING RATING SYSTEM



*Patricia Ramudo*  
 Signature

December 3, 2008

*Peter Jempletos*  
 Signature



# *State of Florida Department of State*

I certify from the records of this office that IBI GROUP (FLORIDA) INC. is a corporation organized under the laws of the State of Florida, filed on March 27, 1979.

The document number of this corporation is 614253.

I further certify that said corporation has paid all fees due this office through December 31, 2015, that its most recent annual report/uniform business report was filed on February 23, 2015,, and that its status is active.

I further certify that said corporation has not filed Articles of Dissolution.

*Given under my hand and the  
Great Seal of the State of Florida  
at Tallahassee, the Capital, this  
the Twenty-third day of February,  
2015*



*Ken Detjmer*  
**Secretary of State**

Tracking Number: CC4286706842

To authenticate this certificate, visit the following site, enter this number, and then follow the instructions displayed.

<https://services.sunbiz.org/Filings/CertificateOfStatus/CertificateAuthentication>

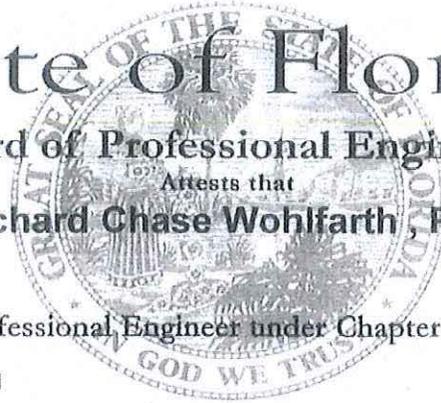


# State of Florida

Board of Professional Engineers

Attests that

**Richard Chase Wohlfarth, P.E.**



Is licensed as a Professional Engineer under Chapter 471, Florida Statutes  
Expiration: 2/28/2017  
Audit No: 228201715521

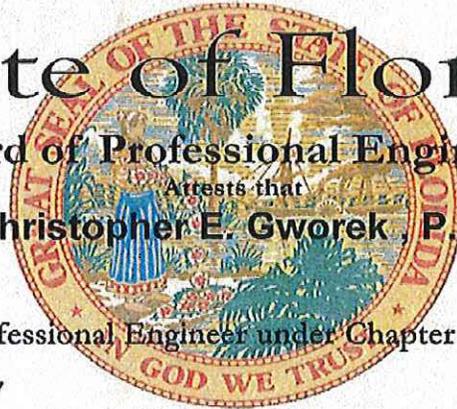
P.E. Lic. No:  
50858

# State of Florida

Board of Professional Engineers

Attests that

**Christopher E. Gworek, P.E.**



Is licensed as a Professional Engineer under Chapter 471, Florida Statutes  
Expiration: 2/28/2017  
Audit No: 228201723317

P.E. Lic. No:  
69947

**State of Florida  
Department of State**

I certify from the records of this office that NUTTING ENGINEERS OF FLORIDA INC is a corporation organized under the laws of the State of Florida, filed on February 16, 1967.

The document number of this corporation is 313874.

I further certify that said corporation has paid all fees due this office through December 31, 2015, that its most recent annual report/uniform business report was filed on February 2, 2015, and its status is active.

I further certify that said corporation has not filed Articles of Dissolution.

*Given under my hand and the  
Great Seal of the State of Florida  
at Tallahassee, the Capital, this  
the Second day of February, 2015*



*Ken Rutzman*  
**Secretary of State**

Authentication ID: CC444849871

To authenticate this certificate, visit the following site, enter this ID, and then follow the instructions displayed.

<https://efile.sunbiz.org/certauthver.html>

**State of Florida**

**Board of Professional Engineers**

Attests that

**Nutting Engineers Of Fla., Inc.**

is authorized under the provisions of Section 471.023, Florida Statutes, to offer engineering services to the public through a Professional Engineer, duly licensed under Chapter 471, Florida Statutes.

Expiration: 2/28/2017

Audit No: 228201701758



CA Lic. No:

606



Florida Department of Agriculture and Consumer Services  
Division of Consumer Services  
Board of Professional Surveyors and Mappers  
2005 Apalachee Pkway Tallahassee, Florida 32399-6500

License No.: **LB3300**  
Expiration Date February 28, 2017

**Professional Surveyor and Mapper Business License**

Under the provisions of Chapter 472, Florida Statutes

**AVIROM & ASSOCIATES INC**  
50 SW 2ND AVE #102  
BOCA RATON, FL 33432-4799

ADAM H. PUTNAM  
COMMISSIONER OF AGRICULTURE

This is to certify that the professional surveyor and mapper whose name and address are shown above is licensed as required by Chapter 472, Florida Statutes.



Florida Department of Agriculture and Consumer Services  
Division of Consumer Services  
Board of Professional Surveyors and Mappers  
2005 Apalachee Pkway Tallahassee, Florida 32399-6500

License No.: **LS3268**  
Expiration Date February 28, 2017

**Professional Surveyor and Mapper License**

Under the provisions of Chapter 472, Florida Statutes

**MICHAEL DAVID AVIROM**  
50 SW 2ND AVE  
BOCA RATON, FL 33427

ADAM H. PUTNAM  
COMMISSIONER OF AGRICULTURE

This is to certify that the professional surveyor and mapper whose name and address are shown above is licensed as required by Chapter 472, Florida Statutes.



## PAST PERFORMANCE

## Lindsey Davis Community Center

Riviera Beach, Florida

### Project Info

**Owner** City of Riviera Beach  
**Amount** \$300K  
**Date** 2009 & 2015  
**Contact** Brynt Johnson  
 561.845.4066

### Project Description

Design of a 2,695 square foot, two-story addition to an existing 7,742 square foot single story community center. It is located on the west end of an existing courtyard and was designed to blend in seamlessly with the existing architecture. The building is used for an after school program and includes a game room, conference room, class room, office, break room, computer room, restrooms, elevator and stairs.

### Features

Two-story building  
 Addition to existing building  
 Features to match existing  
 2nd story Buildout (2015)

### Services Provided

Architecture



## PAST PERFORMANCE

## Pompano - Beach Library

*Pompano Beach, Florida*

### Project Info

Owner | City of Pompano Beach  
 Amount | \$1.5 mil  
 Date | 2014  
 Contact | Horacio Danovich  
 Phone | (954) 786-7834

### Features

- One-Story structure, (+/- 5,400 Sq. Ft., including a veranda.). The building will be constructed of masonry walls and a pitched metal roof.
- Site Development Includes: Building, Sidewalks, Landscape, Driveways, Parking, Dumpster Enclosure, Bike Racks, Drainage, Water and Sewer connections and Site Lighting
- LEED Certified Building

### Services Provided

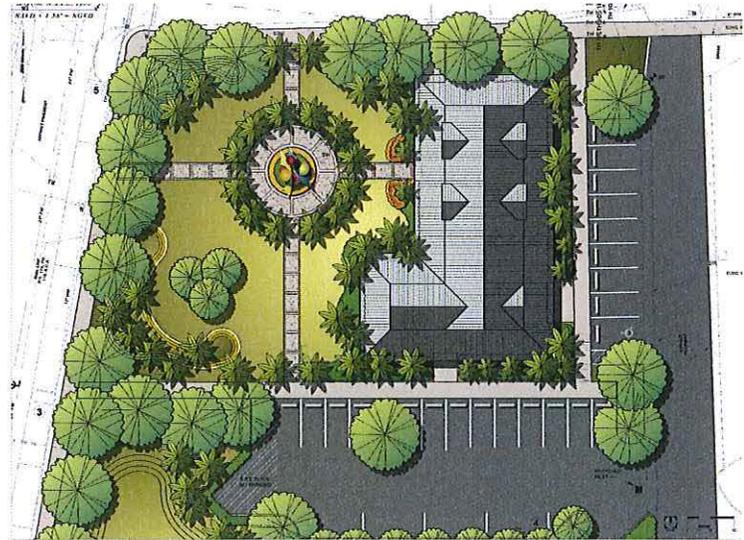
Design/ Build Services

### Project Description

The design intent for this project is to have a lasting impression and themes that contemplate local history, future transit opportunities, future cultural arts activities in the area, and integrates the City's vision for the barrier island community.

The design demonstrates creativity addressing neighborhood compatibility, street frontage, pedestrian activity, quality design / architecture, and quality materials in construction. The style of the building will be in the Florida Vernacular Architectural Style.

The project incorporates the programming of the Broward County Library / Cultural Center uses currently being carried out at the existing Beach Library



Colored Site Plan



View from South West Corner of site

# Lauderhill Fire Station 110

Lauderhill, Florida

## Project Info

Owner | City of Lauderhill  
 Amount | \$3.6 mil  
 Date | 2014  
 Contact | Marc Celetti  
 Phone | (954) 730-2950

## Features

- Two-Story structure, (+/- 16,600 Sq. Ft.. Site Area 61,012 Sq. Ft. (1.40 Acres)
- Site Development Includes: Building, Sidewalks, Landscape, Driveways, Parking, Dumpster Enclosure, Generator, Fuel Pump Station, Emergency Signalization, Drainage, Water and Sewer connections and Site Lighting
- LEED Silver Building
- Emergency Operations Center

## Project Description

The design of the new building consists of 3-double deep bays for fire and rescue trucks, the related rooms required to accommodate the living quarters for staff of 7, offices, storage rooms, and a police office (housing one person) as well as related facilities such as, parking lot, interior roadways, a fuel station, emergency generator and connection to all public utilities.

The second floor should provide ample space to house a future communications and Emergency Operations Center with space for growth to accommodate multi-jurisdictions and include emergency closed circuit air filtration system (NBC).

The scope of work also includes the removal of the existing fire station trailer and the corresponding reuse/moving of other existing features and equipment required to equip the new fire station.

In addition, the project includes supplying, assemble and installing a "Training Tower" at the rear parking lot of Fire Station 57.

## Services Provided

Design/ Build Services



View from North East Corner of site

## PAST PERFORMANCE

# Oakland Park Maintenance Bldg. Addition

## Oakland Park, Florida

### Project Info

Owner | City of Oakland Park  
 Amount | \$ 100 K  
 Date | 2014  
 Contact | Robert Jones  
 Phone | (954) 347-2003

### Project Description

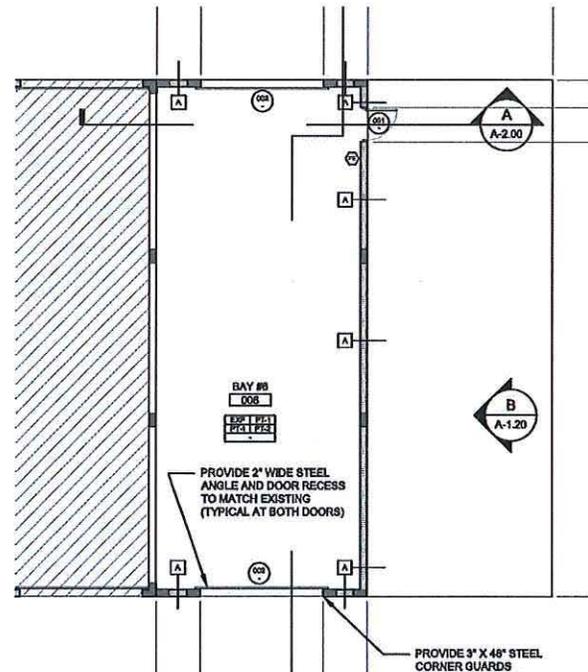
Design-Build of a single garage bay to the North side of the existing Maintenance Garage Facility. The area of the new addition is 1,133 SF. The new addition match the existing building in size, height, texture and in color.

### Features

- One-Story (+/- 1,133 Sq. Ft., addition project.
- Addition of service bay to existing maintenance building.
- Upgrading existing electrical systems and adding new lighting
- Providing new ventilation system.
- Roof system to match existing
- Removal of asbestos panels.

### Services Provided

Design/ Build Services



Floor Plan



Construction Photos

## PAST PERFORMANCE

## Emergency Operations Center

*Lauderdale Lakes, Florida*

### Project Info

**Owner** | City of Lauderdale Lakes

**Amount** | \$415,509

**Date** | 2013

**Contact** | Sonia Torres, P.E. LEED AP  
(954) 535-2712  
4300 MW 36th Street  
Lauderdale Lakes, FL 33319

### Project Description

This project provided Architectural planning, preconstruction phase services and construction phase services for the renovation of an area in the First floor of the Public Safety Building to be used as an Emergency Operating Center (EOC).

The new spaces included a Command Room, Kitchen / Lounge area, Data Room, Offices, Conference / Training Facilities, Reception area, Sleeping / Fitness Room, Holding Cell, Restrooms with Lockers and ADA public restrooms and Storage rooms.

The building systems were also upgraded including Lighting, HVAC, Fire Alarm, Plumbing, Security, Data/Technology and a new Generator and switchgear.

### Features

- +/- 7,000 SF renovation
- Demolition of existing interior spaces.
- Upgraded Building Systems
- Reconfiguration of spaces
- New ECO friendly finishes
- New Generator

### Services Provided

Design/ Build



# Oakland Park City Hall ADA Restrooms

*Oakland Park, Florida*

## Project Info

**Owner** | City of Oakland Park  
**Amount** | \$ 46 K  
**Date** | 2013  
**Contact** | Robert Jones  
**Phone** | (954) 347-2003

## Project Description

The project involves the interior renovation of the existing Men's and Women's restrooms on the 1st floor of the City hall building, located at 3650 NE 12th Avenue, Oakland Park, Florida. The renovation included alterations to enhance the ADA accessibility and aesthetic appeal of the existing restrooms. New energy efficient fixtures were used throughout.

## Features

- 1st floor (+/- 246 Sq. Ft., renovation project.
- Replacement of all finishes.
- Upgrading existing restrooms to meet ADA and Florida Accessibility Codes
- Providing new lighting, plumbing fixtures, toilet accessories.
- Reconfiguration of existing spaces.

## Services Provided

Design/ Build Services



*After*



*Before*

# Jupiter Lighthouse Keepers Building Restoration

*Jupiter, Florida*

## Project Info

**Owner** U.S. Fish & Wildlife  
**Amount** \$173,000  
**Date** 2010  
**Contact** Nell Dickerson  
 901-409-9043

## Project Description

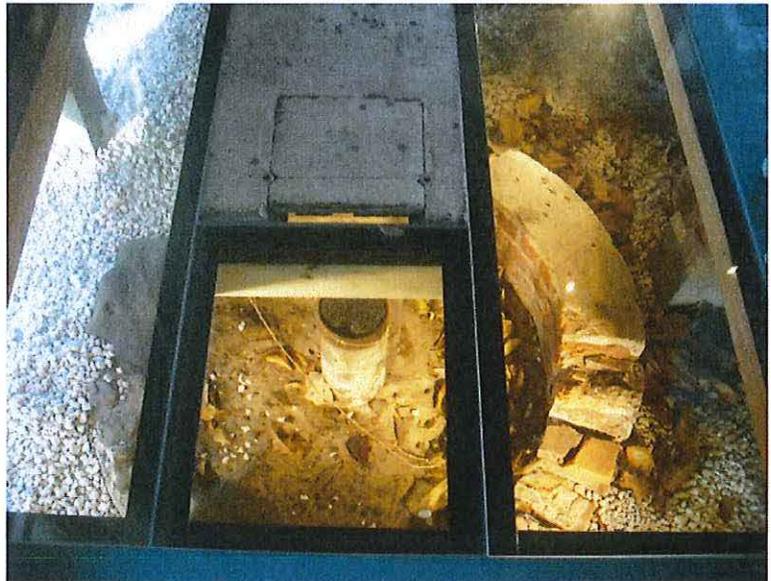
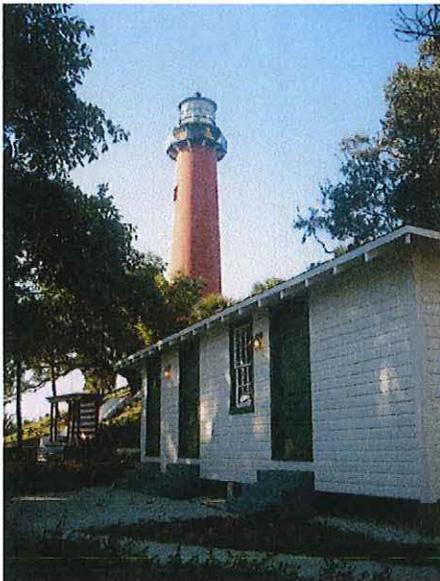
This project involved the restoration of an existing 525 SF, historic 1920's wood frame building with a new wood boardwalk and walking path. The building is used as a museum for the Loxahatchee River Historical Society. An ancient brick well was discovered during construction and is the main display of the museum, visible through glass floor panels.

## Features

New ADA compliant Boardwalk  
 Lead paint and asbestos abatement  
 Historic well display  
 Lighting  
 HVAC

## Services Provided

Design-Build  
 Architectural Services  
 Construction Services



## PAST PERFORMANCE

## Lantana Police Annex Building

Lantana, Florida

### Project Info

**Owner** | Town of Lantana  
**Amount** | \$400,000.00  
**Date** | 2010  
**Contact** | David Thatcher  
 Dev. Services Director  
 (561) 540-5032

### Features

One story  
 +/- 1700 SF  
 Building Renovation  
 Building Reuse  
 Photovoltaic Panels  
 Cisterns  
 Recycled Material  
 High Efficiency HVAC  
 Cool roof  
 Efficient plumbing  
 Efficient lighting  
 Certified wood  
 Low emitting materials  
 Recycled materials  
 Regional materials  
 Natural lighting  
 Green screen  
 Native landscaping

### Services Provided

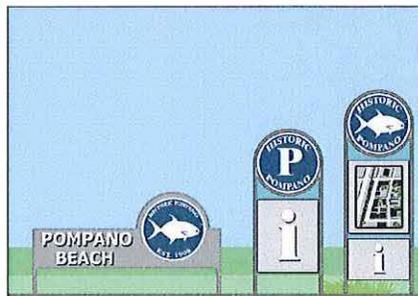
Architectural Services



### Project Description

This project involved the renovation and building reuse of the existing Lions Club building originally built in the 1950's as a clubhouse. The funds for a portion of the renovation came are from a grant by the **Energy Efficiency and Conservation Block Grant program**. The purpose of the project was to demonstrate how various energy-savings systems and processes can be implemented on a small commercial/institutional structure. The concept was to showcase the environmental elements of the building while respecting the original parts of the building built in the 1950's and the original arches of the 1920's town hall building which was never completed.





## Pompano Beach Wayfinding Study

The City of Pompano Beach received a Design Arts Program Grant from the Broward County Cultural Council in July 2006 and hired IBI Group, Inc. to design a conceptual wayfinding system that would preserve and enhance the Historic Downtown Pompano Beach Area.

- Goals for this wayfinding system include:
- Promoting the revitalization of the historic downtown Pompano Beach District and its cultural character and sense of place; and
- Increasing the sense of place and community by creating a unique signature for this area;
- Addressing pedestrian and vehicular access and needs;
- Identifying routes and destinations of walkways and design attributes including cross sections, landscape, lighting and street furniture;
- Enhancing the downtown District's interconnectedness and interrelationship with the Green Market and the Florida East Coast Railroad Corridor, the Pompano Beach Replacement Library and Municipal Government Complex, the MLK Mixed-Use Project, Broward County's Neighborhood Transit Center, the Broward County Greenway Project corridors (Atlantic Boulevard and Dixie Highway), and the older existing Pompano Beach neighborhoods.

### Areas of Practice

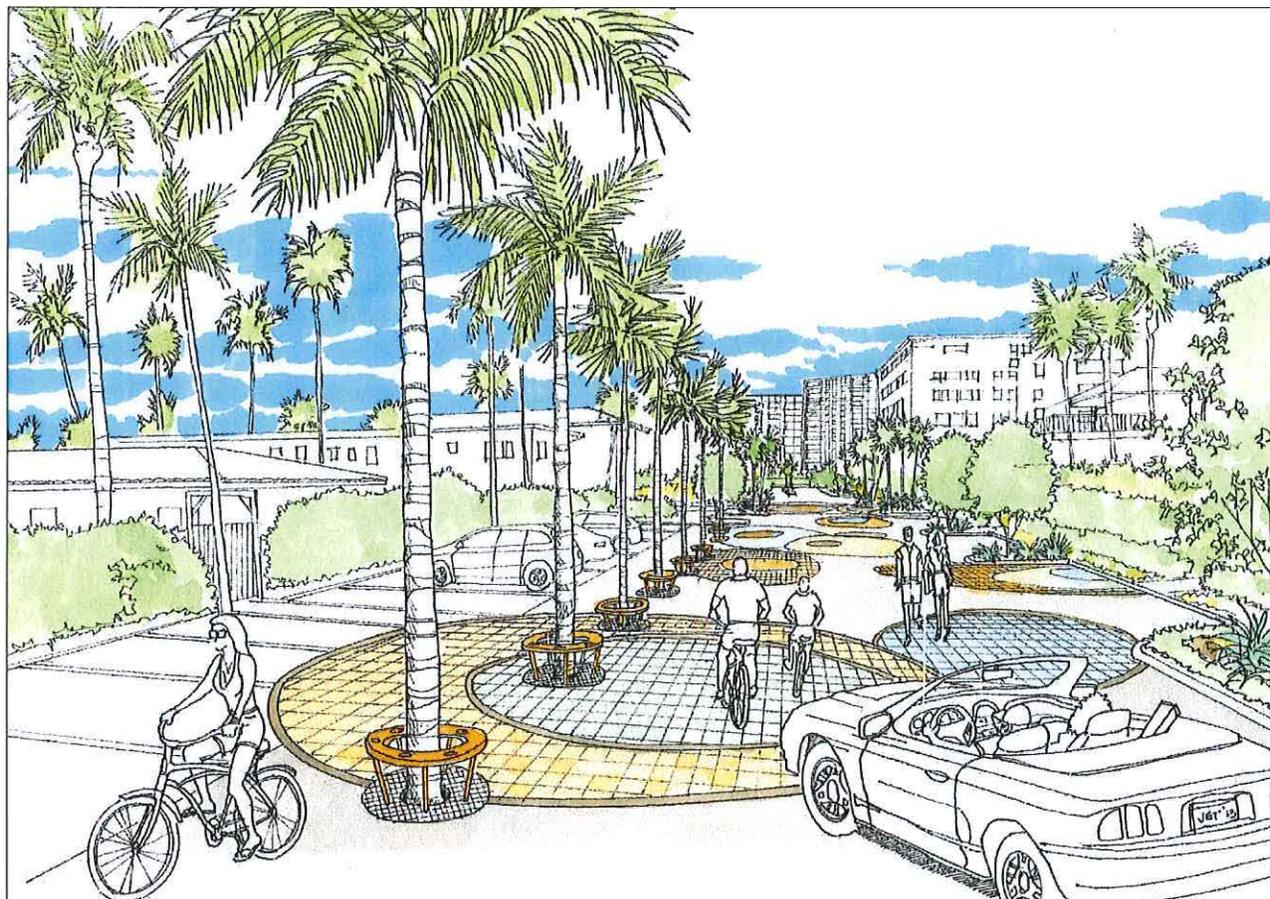
- Landscape Architecture

### Services

- Research
- Policy

Client: City of Pompano Beach

Location: Pompano Beach, Florida



## Briny Avenue Streetscape and Urban Design

IBI Group is a member of the project team that is working with the City of Pompano Beach on a streetscape project for Briny Avenue. IBI Group and DK Architects prepared an inventory and analysis that illustrates potential opportunities and constraints within the project area. After discussing development patterns and the community's needs and desires, six schemes were developed from which a 'shared street' concept was chosen. This concept considers the interaction of pedestrians, bicyclists, and motorists with smart growth and urban design concepts, creating a safe and enjoyable environment for the community. Briny Avenue will be the first 'shared street' project in the community.

### Areas of Practice

- Land Use Planning
- Urban Design

### Services

- Planning and Environmental Assessment

Client: Kollaborative Architects/Planner

Location: Pompano Beach, Florida

Status: Ongoing



## Hollywood Beach Streetscape Master Plan

IBI created a Master Plan for the improvement of 52-blocks within the Hollywood Beach CRA. The Master Plan project included establishing a vision for the district, as well as the creation of prototypical designs to address specific land uses.

The project included field surveying and verification of existing conditions, base plan development, inventory and analysis, public workshops, creation of an overall conceptual master plan, thematic designs for typical blocks and particular land uses, streetscape amenities selection/design and cost estimating.

---

### Areas of Practice

- Urban Design
- Landscape Architecture

### Services

- Design Development and Contract Documents
- Construction Phase Services/Contract Administration

Client: City of Hollywood Beach

Location: Hollywood, Florida



# GATEWAY DESIGN

## Lauderdale Lakes, Florida

IBI produced a number of gateway feature concepts for the City of Lauderdale Lakes CRA under a continuing services agreement. Concepts were generated for a number of sites in and around the Downtown CRA. The concepts reflect the CRA's vision for redevelopment through the use of an architectural style consistent with the CRA's design guidelines. The colorful tilework represents the richness of the City's diverse population.

Client: City of Lauderdale Lakes CRA



### PROJECT CLASSIFICATION

- Parks
- Institutional
- Greenways and Trails
- Streetscapes
- Urban Design
- Urban Planning
- Eco Tourism
- Land Development
- Cultural Heritage Plans
- Codes
- Amphitheaters

### SERVICES PROVIDED

- Landscape Architecture
- Architecture
- Research & Programming
- Concept Design
- Construction Documents
- Site Supervision/Commissioning
- Project Management
- Surveying
- Engineering
- Permitting



# Assisted Living Facility – H.U.D. Madison House and Ivy Court at Forest Trace

The Madison House and Ivy Court is located on an 4.25 acre parcel in Lauderhill, Florida. This project is an ALF with 125 sleeping rooms. Project is designed in accordance with H.U.D. Regulations Review Requirements which includes Equal Employment Opportunity Certification and Construction Progress Schedule reporting to U.S. Department of Housing and Urban Development.

Scope of services: Civil Engineering (Water and Sewer Plans, Paving and Drainage Plans), Permitting: S.F.W.M.D., City of Lauderhill, Broward County Engineering, Pollution Prevention Plan, FDEP NPDES Permit and FDOT Permits. Surveying services included boundary and topographic survey to ALTA/ACSM standards, and preparation of a Surveyor's Report in accordance with H.U.D. Final Closing Requirements. Additional services included a Life Safety Plan, Landscape and Irrigation Plans and Construction Administration.



## URBAN LAND

### Areas of Practice

- Real Estate Research
- Economic/Financial Analysis
- Land Use Planning
- Civil Engineering
- Surveying and Mapping
- Water Resources Management
- Urban Design
- Landscape Architecture
- Public Outreach

### Industry Sectors

- Multi Jurisdictional
- Urban and Regional Development
- Neighborhood Development
- Site Development

### Services

- Research
- Policy
- Planning and Environmental Assessment
- Design and Contract Documents
- Approvals
- Implementation/Construction Phase Services
- Operations and Maintenance
- Program Management

### Project Information

Client: FTMI Real Estate, LLC

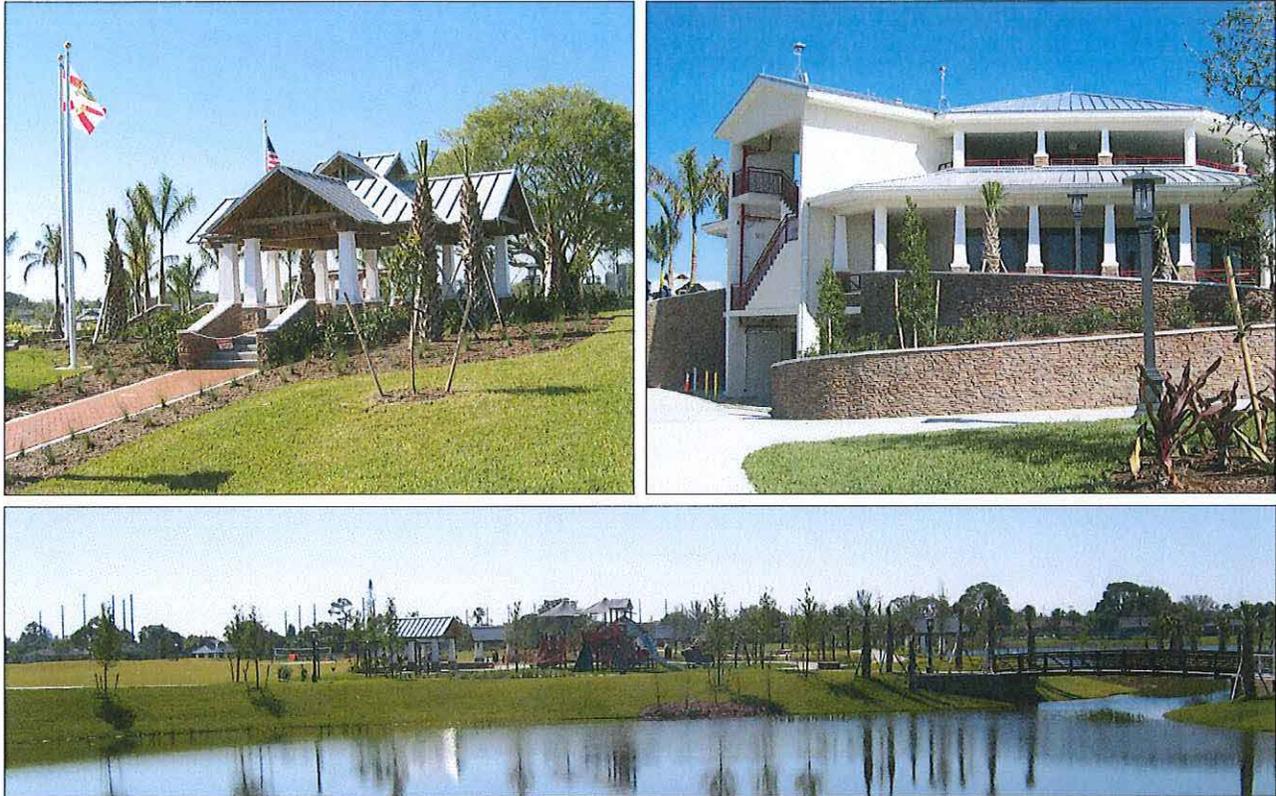
Location: Lauderhill, Florida



## Defining the cities of tomorrow

- Project:** Pump Station #3  
Phase I – Demolition of Pump Station #3 and Site Modification  
Phase 2 – Replacement of Control Structure and Stormwater Pump and Lake Restoration
- Owner:** Sunshine Water Control District  
c/o Wrathell, Hunt and Associates, LLC  
2300 Glades Road  
Suite 410W  
Boca Raton, FL 33431
- Contractor:** Trio Development Corp.  
1701 N.W. 22 Court  
Pompano Beach, FL 33069  
Lawrence Shortz, President
- Start/End:** September 2014 – December 2014
- Value:** \$51,088.00 (contract)/\$150,000 (construction)
- Scope:**
- Phase 1: Demolition of Pump Station #3 and Site Modification
    - Preparation of engineering plans and specifications for Demo and Site Modification for demolition of CMU Pump House, including removal of electrical service and propane tank.
    - Asbestos Assessment
    - Site Modifications: Panel Wall additions, security fencing, site restoration and grading
    - Managed bid process – public advertisement; pre-bid meeting; coordinate with prospective contractors; bid tabulation and recommendation for award
    - Construction Administration: coordination with Contractor including monitoring progress, review and approval of pay requests
    - This project was on the Sunshine Water Control District's "to do" list for several years and the deteriorating pump house and non-functioning pump became an issue with adjacent land owners.
    - The Engineer reviewed previous documents and permitting requirements and set up the public notice with project scope
  - Phase 2 – Control Structure and Lake Restoration
    - Engineering plans and Specifications for replacement of Control Structure Riser and Weir
    - Engineering plans and Specifications for replacement of stormwater pump and controls for Flood Mitigation of sub-basin
    - Coordination, evaluation and design of new electrical service
    - Lake restoration, including dewatering and removal of silt and debris





## Royal Palm Beach Village Commons

In 2006 (under predecessor firm The RMPK Group, Inc.), IBI Group prepared Master Plan and construction documents for a 160-acre regional park in the Village of Royal Palm Beach. The Village wanted to have a green gathering space that incorporates active and passive spaces, including a three-level sports and concession building, large and small pavilions, great lawn, children's playgrounds and waterways for kayaking. IBI Group provided representation at community meetings to gather community input and to determine the park elements. The Master Plan utilized the site of a 30-year old traditional golf course and transformed it into a regional arts and environmental facility.

In 2011 IBI Group was selected to provide Architectural/Construction Administration services for Phase II which included the 17,000 sq ft, 3-level Sports and Concession Building located in Commons Park. Scope included code review to ensure that the 2008 plans for site structures and fountain met the current Florida Building Code. Additional services included updates to plans and specifications and assistance to Village staff during the bid and permitting phase of the project relating to responses to RFI's and Building Review Comments. Huge trees were transplanted from the original golf course to give the park a sense of history. In March 2013 the Park opened to the Public. Future improvements include a golf facility that could be used as a training outlet for kids and adults who want to learn the game.

### Areas of Practice

- Master Planning
- Urban Design

### Services

- Design Guidelines
- Design Development and Contract Documents
- Approvals
- Construction Phase Services/Contract Administration

Client: Village of Royal Palm Beach  
Location: Royal Palm Beach, Florida  
Status: Grand Opening March 2013



## Waste Management Central Facility – Beautification Project

IBI provided consulting services for the central location of the Waste Management Company – aka Monarch Hill. The property is surrounded by high traffic roadways with multiple entrances, and the owners wanted to show their commitment to the environment by extensive landscaping along two miles of perimeter streetscape designed for minimal maintenance. Scope included site and civil plans for featured entry corners, computer modeling of waste management and drainage systems, facility signage and entry features in accordance with a Beautification Agreement with the City of Deerfield Beach and Broward County. Additional scope items included master drainage plans, landscape architecture and irrigation plans, and tree management plans. Challenges to overcome included the removal of poisonous ficus trees to be replaced with native oaks which transformed the institutional look of the property into an attractive natural environment.

Project was initiated by predecessor firm of Rhon Ernest-Jones Consulting Engineers.

### Areas of Practice

- Civil Engineering
- Landscape Architecture

### Services

- Planning and Environmental Assessment
- Design Development and Contract Documents
- Approvals
- Construction Phase Services/Contract Administration

Client: Waste Management  
Location: Deerfield Beach, Florida  
Status: Completed 2012

## Jim and Jan Moran Family Center Campus (Women in Distress)

IBI Group, Inc. was retained to provide Architectural and Surveying services for the renovation of existing structures of an existing 5 building campus that will house the Women in Distress facilities. Scope includes the exterior and interior design and modifications to accommodate changes to existing structures for residential and office use. IBI Group, Inc.'s responsibilities also included coordination of the MEP and Engineering subconsultants.



### FACILITIES

#### Areas of Practice

- Architecture
- Programming
- Interior Design
- Civil Engineering
- Structural Engineering
- Mechanical Engineering
- Electrical Engineering

#### Industry Sectors

- Office and Industrial
- Residential
- Health Care and Medical Research
- Educational
- Retail
- Resorts and Entertainment
- Institutional/Municipal
- Recreational/Athletic
- Transportation Terminals

#### Services

- Research
- Policy
- Planning and Environmental Assessment
- Design and Contract Documents
- Approvals
- Implementation/Construction Phase Services
- Operations and Maintenance
- Program Management

#### Project Information

Client: Women in Distress of Broward County, Inc.

Location: Deerfield Beach, Florida

## *Parks and Recreation Experience, 2011 through 2014*

### Geotechnical Exploration/Engineering Services

Bob Marcello Park, 100 Wildcat Way, Royal Palm Beach, 2014

Olympic Park, 8601 SW 152nd Avenue, Miami, 2014

Miramar Regional Park - Phase 1, 16801 Miramar Parkway, Miramar, 2014

OB Johnson Park, Pembroke Road and Foster Road, Hallandale Beach, 2014

New Bridge Peace Mound Park, 1300 Three Village Road, Weston, 2014

Truman Waterfront Park Improvements, North of Key West Naval Base, Key West, 2014

Community Park - Reuse Missing Tank, 4095 Overseas Highway, Marathon, 2014

Gramercy Park, 45th Street and Parke Avenue, West Palm Beach, 2014

Westside Park Phase II, 445 SW 2<sup>nd</sup> Street, Deerfield Beach, 2014

Veterans Park Pedestrian Dock, 7825 Southgate Boulevard, Tamarac, 2014

Oak Grove Park Upgrades, 690 NE 159<sup>th</sup> Street, Miami, 2013

Sabal Pines Park Ballfield Improvements, 5005 NW 39<sup>th</sup> Avenue, Coconut Creek, 2013

Emerald Estates Park, Emerald Park Circle, Weston, 2013

Restroom Facility at 98<sup>th</sup> Street Park, Bay Harbor Island, 2013

New Wall at Peacock Park, 2820 McFarlane Road, Miami, 2013

Miramar Community and Cultural Amphitheater @ Miramar Regional Park, 2013

Cooper City Soccer Park, SWC of Flamingo Road and Stirling Road, Cooper City, 2013

Riverbend Park Proposed Pavilion, 9060 Indiantown Road, Jupiter, 2013

Peacemont Park, 1300 The Village Road, Weston, 2103

Hammocks Community Park, 9885 Hammocks Boulevard, Kendall, 2013

Rolling Oaks Park, North Miami Gardens Drive and Florida Turnpike, Miami Gardens, 2013

Polo Park, Miami Beach, 2012

Alsdorf Park, 2901 NE 14<sup>th</sup> Street, Pompano Beach, 2012

Sevilla Estates Park Improvements, NW 169<sup>th</sup> Terrace and 89<sup>th</sup> Court, Miami Lakes, 2012

Town of Miami Lakes - Park East, 6075 NW 154<sup>th</sup> Street, Miami Lakes, 2012

Community Park Aquatic Center - Aquatic Timing Device (Scoreboard), 820 NE 18<sup>th</sup> Avenue, Pompano Beach, 2012

South County Regional Park - Monument Signs, 11200 Park Access Road, Boca Raton, 2011

Mullins Park (Buildings A, B, & C), 10000 NW 29<sup>th</sup> Street, Coral Springs, 2011

Flamingo Park - Football Field Improvements, 999 11<sup>th</sup> Street, Miami Beach, 2011

Highland Park New Restroom Building, 1650 NE 50<sup>th</sup> Court, Pompano Beach, 2011

Pompey Park Concession Building - Elevator and Stairs, 1101 NW 2<sup>nd</sup> Street, Delray Beach, 2011

## *Parks and Recreation Experience, 2011 through 2014*

### **Construction Material Testing and/or Special Inspection Services**

Regal Park, 1708 NE 4th St, Boynton Beach, 2014  
Miramar Regional Park Phase 1, 16801 Miramar Parkway, Miramar, 2014  
Plantation Park Phase G, Plantation, 2014  
Emerald Estates Park, 16400 Emerald Estates Drive, Weston, 2014  
Fort Pierce Veterans Park, 600 Indian River Drive, Fort Pierce, 2014  
Sportsmans Park, 321 East Ocean Avenue, Lantana, 2014  
Riverbend Park, 9060 Indiantown Road, Jupiter, 2014  
Hosfort Park, 4321 Coconut Creek Boulevard, Coconut Creek, 2014  
Highland Park New Restroom and Shelter Building, 1650 NE 50<sup>th</sup> Court, Pompano Beach, 2014  
Fishing Hole Park, Griffin Road and SW 190<sup>th</sup> Avenue, SW Ranches, 2013  
John B. Parks Complex, 2000 Virginia Avenue, Fort Pierce, 2013  
Gloucs Park, 21805 SW 114<sup>th</sup> Avenue, Miami, 2013  
Henderson Park Soccer Complex, 910 NW 2<sup>nd</sup> Street, Miami, 2013  
Blue Lakes Park, 4251 SW 92<sup>nd</sup> Avenue, Miami, 2013  
Betty Booth Roberts Park, 4200 SW 61<sup>st</sup> Avenue, Davie, 2013  
Concord Park, 3301 SW 114<sup>th</sup> Avenue, Miami, 2013  
Marshall Williamson Park, 6125 SW 68<sup>th</sup> Street, Miami, 2013  
Moore Park, 765 NW 36<sup>th</sup> Street, Miami, 2013  
Cooper City Soccer Park, Flamingo Road and Stirling Road, Cooper City, 2013  
Town of Miami Lakes Park East, 6023 NW 154<sup>th</sup> Street, Miami, 2012  
Martin Luther King Park, 6101 NW 32<sup>nd</sup> Court, Miami, 2012  
Shark Valley National Park, 18 miles West of Krome Avenue, Miami, 2012  
Plantation Park Phase E, Plantation, 2012  
Petting Zoo Bridge at Crandon Park, 4000 Crandon Boulevard, Key Biscayne, 2011  
Blanche Park, 3070 Virginia Street, Coconut Grove, 2011

Avirom & Associates, Inc.'s main office is located at 50 SW 2<sup>nd</sup> Avenue, Boca Raton, Florida with branch offices located in Key West and Stuart, Florida.

Our firm has a staff of 33 employees with an average length of service of 17 years. The dedication of our employees is a testament to Avirom & Associates' integrity and values as both an employer and a professional land surveying firm. We are one of the few firms in the State of Florida that has six Registered Land Surveyors. Our 34 year history represents our firm's strength and stability in the South Florida area.

Avirom & Associates, Inc. has extensive knowledge and experience in providing the following surveying services:

- |                                |   |
|--------------------------------|---|
| ⌘ Boundary surveys             | ⌘ ALTA/ACSM land title surveys                |
| ⌘ As-built surveys             | ⌘ Utility location surveys                    |
| ⌘ Coastal mapping              | ⌘ Construction surveys                        |
| ⌘ Permitting surveys           | ⌘ Expert witness testimony                    |
| ⌘ GPS control surveys          | ⌘ Hydrographic surveys                        |
| ⌘ Legal descriptions           | ⌘ Mean high water line surveys                |
| ⌘ Platting                     | ⌘ Right-of-way surveys                        |
| ⌘ Restoration of corners       | ⌘ Specific/special purpose surveys            |
| ⌘ Route surveys                | ⌘ Topographic surveys                         |
| ⌘ Submerged land lease surveys | ⌘ Plat review for compliance with Chapter 177 |
| ⌘ Wetland location surveys     |   |

Our project staffing approach is defined by team assignments. When assigning each team, we specifically consider team members individually, their experience and project completion history. By utilizing this team approach method, we are capable of producing high quality products within the allotted time period and always within budget.

Our team will utilize Avirom & Associates, Inc.'s quality assurance, quality control and project management policy from the inception of each project to ensure the project is carried through to completion in the most efficient and timely manner.

As a standard of practice, we apply a minimum of one hour supervision to eight hours of field crew work and one hour supervision to eight hours of drafting production. Therefore, 25% of a project surveyor's time would apply to supervision of field and office work based upon a full day's production in both aspects of land surveying. The balance of a supervisor's time typically is spent in client communication, communication with client's consultants, project research, calculations and review of legal documents including land descriptions, easements and other types of encumbrances on the property. This supervision varies with the type of work being performed. Resolving conflicting boundary control evidence would take longer to review and supervise than possibly a topographic survey. Any construction related stake out is immediately reviewed prior to releasing the construction stakes to the contractor for his use. We have found this review and checking of notes and procedures helps to eliminate the liability of construction related activities.

The following steps are taken to ensure the quality of each project:

- ⌘ Project Surveyor will coordinate with City staff to develop a project scope of services to meet the needs of the City
- ⌘ Development of survey plan for implementation of project scope
- ⌘ Research for plats, right-of-ways, controls, prior surveys, benchmarks, etc.
- ⌘ Meet with survey field crew to discuss parameters of the project and safety procedures
- ⌘ Determine the technology necessary for the project and establish equipment to be utilized in the field
- ⌘ Mobilize field crew(s)
- ⌘ Ongoing review of project standards, criteria and checklist
- ⌘ Daily review of field notes to ensure the scope of work and standards are met
- ⌘ Ongoing/daily communication between project manager and field crew with special emphasis on the transmittal of data, quality control, safety, cost and schedule adherence
- ⌘ Process survey field data and prepare final drawings
- ⌘ Field review by Project Surveyor for quality assurance and to ensure the work meets Florida State Statutes and Minimum Technical Standards

Avirom & Associates, Inc.'s focus is on precision surveying and clear communication, both with our client and our staff. Our quality control/quality assurance policy guarantees the drawings produced by our team are an accurate reflection of the information collected by our experienced crew in the field.

Throughout every stage of the project, quality checks are utilized beginning with our party chiefs who all have a minimum of 17 years experience and are knowledgeable in the practice of the surveying profession. Field notes and data files are submitted at the end of each work day to the project surveyor. The field notes are then checked by a survey technician whose responsibility includes drafting the work in AutoCAD.

After drafting has been completed by the survey technician and a due diligence review by the project surveyor, the crew returns to the field with a copy of the survey to perform a field check.

A final due diligence check is made by the Project Surveyor prior to signing, sealing and delivering to the client.

West End Park, Miami, West Construction, Inc.

South Pointe Park, Miami Beach, EDSA

Ambrister Park, Miami, FieldTurf

Easterlin Park, Oakland Park, Azulejo, Inc.

Welleby Park, Sunrise / Kimley-Horn and Associates, Inc.

Renaissance Park, Lauderhill, City of Lauderhill

Dewey Park, Boynton Beach, Boynton Beach Community Redevelopment Agency

Westwind Park, Lauderhill, City of Lauderhill

Ilene Lieberman Park, Lauderhill

St. George Park, Lauderhill

Meditation Park, Lauderhill



JUPITER INLET  
LIGHTHOUSE  
*a n d M u s e u m*

January 30, 2012

Mr. Peter Ganci, Assoc. AIA, LEED BC+D  
Principal  
West Architecture + Design, LLC  
318 S. Dixie Highway, Suite 4-5  
Lake Worth, Florida 33460

Dear Mr. Ganci,

The Loxahatchee River Historical Society (LRHS), which operates the Jupiter Inlet Lighthouse & Museum, would like to thank West Architecture + Design, LLC for your help with restoring the Jupiter Inlet Lighthouse Keeper's Workshop Building. West had the daunting task of finding ways of modernizing the debilitated 1920 structure and bringing it up to current codes while protecting its history. Being a Design/Build project, West worked hand in hand with Perini Corporation, LRHS, Bureau of Land Management, Department of Interiors, the US Coast Guard and the archeologists to coordinate all the details that go along with a historical restoration while maintaining the budget and restrictive timeline.

During the construction phase, the original well from the 1800's was discovered under the building. West worked with LRHS to make this discovery a feature of the newly restored building by adding a transparent floor cover and accent lighting.

For all your professionalism and sensitivity to the project, we would be happy with recommend West Architecture + Design to others and would be excited to work with you again.

Sincerely,

  
Jamie Stuve  
President & CEO

---

*A Partner in the Jupiter Inlet Lighthouse Outstanding Natural Area • National Landscape Conservation System*

Loxahatchee River Historical Society, 500 Captain Armour's Way, Jupiter, Florida 33469  
561.747.8380 • [www.jupiterlighthouse.org](http://www.jupiterlighthouse.org)

**City of Lauderdale Lakes**  
**Public Works & Development Services**  
4300 NW 36 Street • Lauderdale Lakes, Florida 33319  
Phone (954) 535-2815 • Fax (954) 535-0799 • [www.lauderdalelakes.org](http://www.lauderdalelakes.org)

---

August 29, 2013

Mr. Peter Ganci, Assoc. AIA, LEED BD+C  
Principal  
West Architecture + Design, LLC  
318 S. Dixie Highway, Suite 4-5  
Lake Worth, Florida 33460

Dear Mr. Ganci,

The City of Lauderdale Lakes would like to thank West Architecture + Design, LLC and West Construction, Inc for your help with the design and construction of the projects below.

1. Design/ Build Emergency Operating Center for the City of Lauderdale Lakes
2. Lauderdale Lakes Park Improvement Project and Renovation Project

Finding a team to work so closely with the city staff is very rare. From the beginning, your team assisted in fulfilling the many design and construction challenges while maintaining the budget and the schedule.

West was able to overcome many challenges, for example: working with extremely tight schedules for both projects, addressing unknown conditions in a timely matter, procuring equipment, working within the Grant requirements, working around inclement weather conditions and maintaining systems to continue operation for the remainder of the facilities.

Being able to work so diligently with the different divisions of the City (Public Works and Development Services, Information Technology Division, Parks and Human Services), made it possible for these projects to be success.

The City of Lauderdale Lakes found your firm to be a qualified and competent Design-Build firm and provided all necessary professional design services and construction services, including, construction documents, all labor, materials, and equipment necessary to complete these projects.

For all your professionalism and sensitivity to the project, we would be happy with recommend West Architecture + Design and West Construction, Inc to others and would be excited to work with you again.

Sincerely,



Sonia M. Torres, P.E., LEED AP BD+C  
City Engineer | Public Works and Development Services

# Moroso Investment Partners, LLC

*825 Parkway Street, Suite 4*  
Jupiter, Florida 33477  
561/745-8545

January 30, 2012

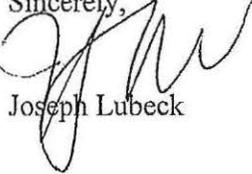
Mr. Peter Ganci, Assoc. AIA, LEED BC+D  
Principal  
West Architecture + Design, LLC  
318 S. Dixie Highway, Suite 4-5  
Lake Worth, Florida 33460

Dear Mr. Ganci,

It has been a pleasure working with you and the entire West Architecture + Design team over the past four years. Your team has brought a high level of professionalism and creativity to multiple projects. In particular, I appreciated how you were able to expedite site plan revisions to help fast-track the reconfiguration, repaving and storm drainage improvements to our Palm Beach International Raceway facility. Then, I was very impressed at the master planning of our 200 acre facility which contained over 400,000 SF of space within multiple buildings. You have been instrumental in bringing a modern architectural character to the +50 year old facility and continue to support us on our future plans. Thank you.

We look forward to our continued relationship with you and your team and recommend your services to others who are seeking a quality firm who listens to your needs and works tirelessly to see a project to fruition.

Sincerely,



Joseph Lubeck



500 Greynolds Circle  
Lantana, FL 33462-4594  
(561) 540-5000  
Fax (561) 540-5009  
www.lantana.org

**Mayor**  
David J. Stewart

**Council Members**  
Philip J. Aridas  
Cindy Austino  
Tom Deringer  
Lynn J. Moorhouse,  
D.D.S.

**Town Manager**  
Michael Bornstein

*"To Preserve Lantana's  
hometown atmosphere  
through responsible  
government and quality  
service."*

July 5, 2011

Mr. Peter Ganci, Assoc. AIA  
Principal  
West Architecture + Design, LLC  
318 South Dixie Highway, Suite 4-5  
Lake Worth, Florida 33160

Dear Mr. Ganci:

I want to let you know how pleased we are at the Town of Lantana with the impressive job done by West Architecture + Design on the Lantana Police Annex Renovation project. The design was innovative and practical. You were able to incorporate the "high-tech" energy savings systems with the everyday practicality we needed at this site. It is simply the best looking Town building. In addition, your firm's assistance in managing the construction contract was extremely helpful. You provided some much needed technical and practical knowledge to this important Town project.

I also appreciate you attending the ribbon-cutting for the building at the Town's 90<sup>th</sup> birthday celebration on July 2. I hope you heard the many positive comments from our elected officials and citizens alike. As you saw, part of the dedication included an exhibit of before and after photos which clearly illustrated the amazing difference your design made. It is something we are very proud of.

On behalf of the Town Council and staff I want to express our appreciation for the great job that Cityworks did. It is my sincere hope that you and everyone at West are also proud of this project.

Respectfully,

A handwritten signature in blue ink, appearing to read "Michael Bornstein", is written over a blue horizontal line.

Michael Bornstein  
Town Manager

## SECTION 3: UNDERSTANDING OF THE PROJECT AND PROJECT REQUIREMENTS

The request is for Architectural and Engineering services for the demolition and replacement of two existing buildings (restroom and storage) at Kelsey Park and the modification of the existing restroom building and construction of a new restroom/storage building, as well as new sport lighting and electrical upgrades for the existing tennis courts at Lake Shore Park. Both Parks are located within the highest wind and flood zones and will be designed accordingly. It will be our task to research existing record plans to determine the horizontal and vertical locations of underground utilities, evaluate the existing utilities and design the utility connections and site work to serve the new/modified buildings.

### **Kelsey Park**

The project will begin with a site evaluation. Disconnect of the existing water, sewer and electrical services will precede the demolition and removal of the two buildings. The demolition sites will be restored to grade. New service connections will be provided from existing water and sewer mains in the vicinity of the new building. Sod and minimal landscaping and irrigation design will be provided. In the case of the new building, the landscape and irrigation improvements will be installed by others upon completion of construction. The proposed sidewalk and building access will be compliant with ADA criteria. Applicable permits for the water and sewer services will be processed through the jurisdictional agencies.

### **Lake Shore Park**

The project will begin with a site evaluation. The existing water, sewer and electrical services will be evaluated and adjusted or relocated for the retrofit of the existing restroom building. SOD and minimal landscaping and irrigation design will be provided. The project site will be graded to provide drainage swales along the perimeter of the new building and the landscape and irrigation improvements will be installed by others upon completion of construction. The proposed sidewalk and building access will be compliant with ADA criteria.

### **Lake Shore Park Tennis Courts**

The existing electrical service for the Tennis Courts will be evaluated and will be considered in the design of the new lighting. Light poles will be designed to withstand high wind loads. Photometric analysis will be conducted to confirm the required lighting coverage.

### **Utilities**

Both sites are served by Seacoast Utilities for water and sewer. Refer to the attached exhibits for the location of the available water and sewer mains.

Kelsey Park has an existing gravity main that runs north-south through the middle of the park. A 6-inch sewer lateral can be cut in to serve the new building. There is an existing 6-inch main that runs north-south along the east side of Lake Shore Drive. A new 1-inch water service connection can be provided to the new Restroom/Storage Building.

The existing Lake Shore Park restroom building is currently served by a 4-inch sewer lateral and a ¾-inch water service, which can be extended to serve the new Restroom/Storage Building. An evaluation of the condition and flow requirements will be conducted to determine if replacement is required.



**Structural Analysis of Wind Loads on buildings and lighting poles**

Our staff will analyze and design the restroom buildings and light pole foundations to meet the structural provisions of the Florida Building Code, 5th Edition (2014). Special attention will be paid to the provisions pertaining to high-wind loads, wind-borne debris, and flooding. Structural materials selected will take into account the material cost, durability, and ease of maintenance.

**Architectural**

Architectural features and the interior finishes of the new construction shall be similar to existing adjacent buildings and meet the Town's requirements for aesthetics and low maintenance.

**Electrical**

The existing electrical service will be examined for its general condition, Code Compliance, capacity and options for increasing capacity as required to accommodate the proposed additional loads. A brief written report of findings will be provided. The addition of sports lighting is likely to require an increase in the capacity of the service, and may, depending on the extent of the new load, require conversion to 480/277 three phase service. Then, in coordination with other disciplines and equipment vendors, first draft construction documents suitable for staff review will be drawn up. The documents will be modified in response to the review and prepared for bidding and construction. Services shall include review of vendor equipment submittals for conformance to the construction documents. Other construction administration inspection services may be procured as an option.

**MEP - HVAC**

A split system AC unit will be sized for the heating and cooling load for both the new toilet room and the revamped toilet room at Lake Shore Park. The unit(s) will be grade mounted with condensate spilling to the ground. Ductwork will be run into the building space with registers to distribute the air.

**MEP - Plumbing**

Demolition of the existing plumbing systems will take place at both the Kelsey Park and Lake Shore Parks. Existing utilities will be disconnected and capped, if applicable. New ADA fixtures will be piped with new cold water, sanitary and vent systems. These systems will be connected to the existing service mains adjacent to the buildings. Hot water will be provided via Instantaneous Water Heaters for the sinks. An exhaust fan will be added for each restroom.

**Landscape Architecture**

In the area of Landscape Architecture, our team has identified the value of the site's existing vegetation and recommends utilizing existing trees for preservation or relocation to reduce new landscape requirements. Our staff will design and develop sustainable landscape design with highly drought-tolerant native vegetation that allow for a substantial reduction of supplemental irrigation, thus providing long-term savings on water usage and maintenance.

**Bidding**

It is understood that the building-related construction will be bid as one contract, with the possible separation of the demolition scope for Kelsey Park. Another contract will be issued for the tennis court lighting. We will provide the Town the required bid documents, including an electronic file and two hard copies of construction plans for the separate scopes. We will attend the pre-bid meeting and will provide responses to RFI's received during the bid process. We will review the Construction Contract for conformance with the plans, specifications and special provisions.

**Permitting**

The water and sewer utility provider is Seacoast Utilities. New services require submission of an Application for Water and/or Sewer Service. Refer to the attached exhibit for the application form.

**Value Engineering**

The design will incorporate materials and sizing that will provide for efficiency and cost savings where possible. We will work with the sub-contractor's to assess additional materials and methods which may provide additional cost reductions during construction and over the life of the project. Past examples of value engineering include: re-use of existing materials, life-cycle analyses, sustainable design, etc.

## SECTION 4: APPROACH AND IMPLEMENTATION

Our team shall provide the requested services, initial procedures, strategies for working with Town consultants and staff and the overall professional services as requested for in this RFQ. Our proposal includes a description of the proposed services and addresses the following items in addition to those listed in Exhibit "A" of the RFQ.

### **Involvement with Town Staff**

The process of conceptual and schematic design services will begin with a kick-off meeting between West Architecture + Design, sub-consultants and all Town staff members as applicable. The initial concepts will be generated to demonstrate clear design intent and can easily be modified to incorporate staff comments and preferences. Once the conceptual designs are agreed upon the design team will develop the individual components and areas to the schematic level. This will show the defined spaces and scale of features, forms, materials, site furnishings and plant selection, and will include two-dimensional site sections and elevations. The design team will then invite the Town staff to further review the proposed components and project features, allowing the Town an opportunity to provide additional comments and fine-tune the design. This step-by-step process to design development offers a great deal of control and input by the Town as well as providing the design team the ability to develop new components to a site with a seamless connection to the existing park features.

### **Value Engineering**

The design process will incorporate value engineering throughout all phases of the Design Development. Utilities will be evaluated to determine the most efficient layout and sizing for new services, as well as evaluating the existing services for keeping them in place, modifying or replacing. In the area of Landscape Architecture our team has identified the value of the existing site vegetation and recommended the utilizing existing trees for preservation or relocation to reduce new landscape requirements. On many projects such as the Edgar P. Mills Center, which is a Broward County social services facility, they have designed and developed sustainable landscape plans with highly drought-tolerant native vegetation that allows for a substantial reduction of supplemental irrigation, thus providing long-term savings on water usage and maintenance.

### **Current work load**

At the present time the Project Manager and the project team are operating at a moderate work-load level and can incorporate into our schedule the demands of time and creativity that a project such as this would require.

### **Experience with complying with regulatory requirements**

Our team has extensive experience with compliance to City or County code requirements and Special District or CRA design expectations. Every project is designed to the specific criteria described by the governing agency's Design Development Code as well as regional and/or industry standards such as CPTED (Crime Prevention Through Environmental Design), the ADA standards for accessible design and other criteria which is appropriate for public safety and comfort. Whenever applicable our Landscape Architecture design team utilizes the strict design practices dictated by LEED and Go Green Projects for water conservation, landscape sustainability and diversified or renewable energy sources.



## APPROACH & IMPLEMENTATION

In addition, our team has extensive experience in projects funded by Community Development Block Grants (CDBG). In addition, our team has extensive experience in projects funded by Community Development Block Grants (CDBG). We have worked with state and federal agencies on numerous projects to assure that project plans and bidding documents meet all requirements of the CDBG funding program. We will coordinate closely with the administering agency at the start of the project in order to assure that the project moves smoothly, and to allow for a clean audit of the project in the future. This will help to keep the project on track reflect favourably on the community when they apply for future CDBG grants.

### Key Personnel

The Project Manager will be Peter Ganci (West Architecture + Design, LLC). Attached are the resumes for the Project Manager and Key personnel of the project team.

### Anticipated Schedule

- |   |             |
|---|-------------|
| • Field Investigation / Conceptual Design | 3 - 4 weeks |
| Owner review                              | 1 week      |
| • Design Development                      | 2 - 3 weeks |
| Owner review                              | 1 week      |
| • Construction Documents                  | 2 - 3 weeks |
| Owner review                              | 1 week      |
| • Bidding and Permitting                  | 4 - 6 weeks |

### Recommend Schedule of Phasing for Construction

The team will work with the Town to finalize the appropriate Phasing for Construction. The initial thought would be to temporary facilities during construction so that the services can remain operational with minimal interruptions during the development of the project. Another option could be to construct the new buildings prior to demolishing the existing buildings, if the Town and the project team determine it is more appropriate

810210

630302

LS-013

940211

