

SECTION 4.0 BID PAGES

NORWOOD WATER TREATMENT PLANT FILTER REHABILITATION PROJECT

NAME OF COMPANY:

Florida Design Contractors, Inc.

(Name of company submitting bid)

SIGNATURE:

[Handwritten Signature]
(Sign in Ink)

6/1/2014
(date)

Thomas H. Clarke
(Print Name)

tax id: 65-0306966

TITLE: President

E-MAIL ADDRESS: tclarke@floridadesigncontractors.com

ADDRESS: 1326 S. Killian Drive, Lake Park, FL 33403

TELEPHONE NO.: 561-845-1233

FAX NO.: 561-848-5992

By signing and submitting this bid proposal, we acknowledge having read and agreeing to all times and conditions of these specifications, including, but not limited to, agreeing to indemnify and hold the City and Miami-Dade County harmless from any and all claims, suits, actions, damages, causes of action, or attorney's fees arising from any personal injury, loss of life, or damage to person or property sustained by reason of or as a result of the products or services supplied, or negligence of contractor supplier, his employees, agents, or assigns.

By signing and submitting this bid proposal, we certify that this company has current insurance coverage specified herein. The insurance policy number(s) and expiration date(s) are provided below, or copies of the insurance certificate(s) are enclosed. If awarded the bid, we will provide the City with proof of the required insurance and include the City as an additional insured on our general liability coverage.

Do you give prompt payment discounts?

Yes, Percentage of discount _____ % Term _____ No

I certify that this bid is made without prior understanding, agreement or connection with any corporation, firm, or person submitting a bid for the same materials, supplies, or equipment, and is in all respects fair and without collusion or fraud. I agree to abide by all conditions of this bid and certify that I am authorized to sign this bid for the bidder.

INSURANCE POLICY NO(S): Please see the attached

EXPIRATION DATE(S): _____

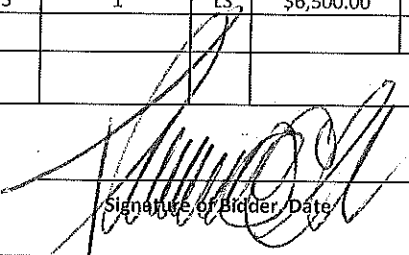
INSURANCE CERTIFICATE(S) ENCLOSED: YES NO

[Handwritten Signature]
(Sign in Ink)

Thomas H. Clarke
(Print Name)

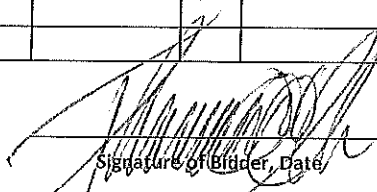
WARRANTIES Per plans and specifications.

**CITY OF NORTH MIAMI BEACH
FILTER REHABILITATION**

Item	Description	Estimated Qty	Unit	Unit Cost	Total Cost	
Mobilization						
1	Mobilization/Demobilization	4	EA	\$ 8,000.00	\$32,000.00	
	Description	No. of Filters	Estimated Qty per Filter	Unit	Unit Cost	Total Cost
Base Bid Filters 3-8						
Demolition						
2	Remove Existing Media	6	60	CY	\$ 110.00	\$39,600.00
3	Remove Existing Surface Wash System	6	1	LS	\$ 2,820.00	\$16,920.00
Refurbishment						
4	Clean Backwash Troughs	6	63	LF	\$57.00	\$21,546.00
5	Refurbish Backwash Troughs	6	20	Sq In.	\$40.00	\$4,800.00
6	Replace Existing Trough Hardware	6	3	EA	\$2,400.00	\$43,200.00
7	New Surface Wash Piping	6	1	LS	\$21,700.00	\$130,200.00
8	Surface Wash Arms and Nozzles	6	6	EA	\$1,500.00	\$54,000.00
9	Coatings Interior	6	1	LS	\$45,000.00	\$270,000.00
10	Concrete Crack Repair at Filter Cell	6	25	LF	\$75.00	\$11,250.00
Replace Underdrain System						
11	Demolish Existing Existing Underdrain System (3" cast iron laterials and grout encased 16" header) at Filters	6	1	LS	\$14,400.00	\$86,400.00
12	Install New Plastic Block Underdrain System	6	357	SF	\$70.00	\$149,940.00
Media						
13	2" Gravel (3/4" to 1/2")	6	60	CF	\$32.00	\$11,424.00
14	2" Gravel (1/2" to 1/4")	6	60	CF	\$32.00	\$11,424.00
15	2" Gravel (1/4" to 1/8")	6	60	CF	\$32.00	\$11,424.00
16	2" Gravel (1/8" to No. 12)	6	60	CF	\$32.00	\$11,424.00
17	12" Sand (0.45 mm to 0.55 mm)	6	357	CF	\$26.00	\$55,692.00
18	20" Anthracite (0.95 mm to 1.05 mm)	6	595	CF	\$25.00	\$89,250.00
Concrete Coatings Exterior						
19	Coat Exterior of Filters 3, 5, and 7	3	1	LS	\$7,500.00	\$22,500.00
20	Coat Exterior of Filters 4, 6, and 8	3	1	LS	\$6,500.00	\$19,500.00
Total Based Bid Filters 3-8					\$1,060,494.00	
Florida Design Contractors, Inc.						
Name of Bidder						
		Signature of Bidder / Date				

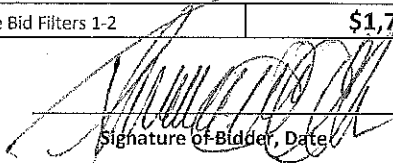
Note: All media depths are placed depths and do not account for skimming allowances as described in Sections 466112 and 466113.

**CITY OF NORTH MIAMI BEACH
FILTER REHABILITATION**

		Description	No. of Filters	Estimated Qty per Filter	Unit	Unit Cost	Total Cost
Base Bid Filters 9-11							
Demolition							
21		Remove Existing Media	3	60	CY	\$110.00	\$19,800.00
22		Remove Existing Surface Wash System	3	1	LS	\$2,820.00	\$8,460.00
Refurbishment							
23		Clean Backwash Troughs	3	63	LF	\$57.00	\$10,773.00
24		Refurbish Backwash Troughs	3	20	SI	\$40.00	\$2,400.00
25		Replace Existing Trough Hardware	3	3	EA	\$2,400.00	\$21,600.00
26		New Surface Wash Piping	3	1	LS	\$18,500.00	\$55,500.00
27		Surface Wash Arms and Nozzles	3	6	EA	\$1,500.00	\$27,000.00
28		Coatings Interior	3	1	LS	\$40,000.00	\$120,000.00
29		Concrete Crack Repair at Filter Cell	3	25	LF	\$75.00	\$5,625.00
Replace Underdrain System							
30		Demolish Existing Clay Tile Block Underdrain System	3	1	LS	\$7,500.00	\$22,500.00
31		Install New Plastic Block Underdrain System	3	357	SF	\$75.00	\$80,325.00
Media							
32		2" Gravel (3/4" to 1/2")	3	60	CF	\$38.00	\$6,783.00
33		2" Gravel (1/2" to 1/4")	3	60	CF	\$38.00	\$6,783.00
34		2" Gravel (1/4" to 1/8")	3	60	CF	\$38.00	\$6,783.00
35		2" Gravel (1/8" to No. 12)	3	60	CF	\$38.00	\$6,783.00
36		12" Sand (0.45 mm to 0.55 mm)	3	357	CF	\$30.00	\$32,130.00
37		20" Anthracite (0.95 mm to 1.05 mm)	3	595	CF	\$25.00	\$44,625.00
Concrete Coatings Exterior							
38		Coat Exterior of Filters 9, 10, and 11	1	1	LS	\$10,800.00	\$10,800.00
Total Based Bid Filters 9-11							\$488,670.00
Florida Design Contractors, Inc. _____ Name of Bidder			 Signature of Bidder, Date				

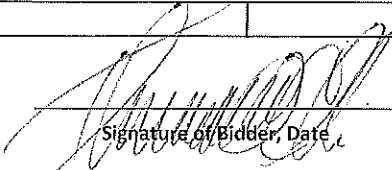
Note: All media depths are placed depths and do not account for skimming allowances as described in Sections 466112 and 466113.

**CITY OF NORTH MIAMI BEACH
FILTER REHABILITATION**

	Description	No. of Filters	Estimated Qty per Filter	Unit	Unit Cost	Total Cost
Base Bid Filters 1-2						
	Demolition					
39	Remove Existing Media	2	20	CY	\$130.00	\$5,200.00
40	Remove Existing Surface Wash System	2	1	LS	\$3,000.00	\$6,000.00
	Refurbishment					
41	Clean Backwash Troughs	2	54	LF	\$57.00	\$6,156.00
42	Refurbish Backwash Troughs	2	20	SI	\$40.00	\$1,600.00
43	Replace Existing Trough Hardware	2	3	EA	\$2,400.00	\$14,400.00
44	New Surface Wash Piping	2	1	LS	\$16,500.00	\$33,000.00
45	Surface Wash Arms and Nozzles	2	6	EA	\$1,000.00	\$12,000.00
46	Coatings Interior	2	1	LS	\$25,000.00	\$50,000.00
47	Concrete Crack Repair at Filter Cell	2	25	LF	\$75.00	\$3,750.00
	Replace Underdrain System					
48	Remove existing Plastic Block Underdrain System	2	216	SF	\$25.00	\$10,800.00
49	Install New Plastic Block Underdrain System	2	216	SF	\$65.00	\$28,080.00
	Media					
50	2" Gravel (3/4" to 1/2")	2	36	CF	\$42.00	\$3,024.00
51	2" Gravel (1/2" to 1/4")	2	36	CF	\$42.00	\$3,024.00
52	2" Gravel (1/4" to 1/8")	2	36	CF	\$42.00	\$3,024.00
53	2" Gravel (1/8" to No. 12)	2	36	CF	\$42.00	\$3,024.00
54	12" Sand (0.45 mm to 0.55 mm)	2	216	CF	\$26.50	\$11,448.00
55	20" Anthracite (0.95 mm to 1.05 mm)	2	360	CF	\$30.00	\$21,600.00
Total Base Bid Filters 1-2						\$216,130.00
TOTAL						
Total Base Bid Price						
Total Bid Mobilization + Total Base Bid Filters 3-8 + Total Base Bid Filters 9-11 + Total Base Bid Filters 1-2					\$1,797,294.00	
Florida Design Contractors, Inc. _____ Name of Bidder						 Signature of Bidder, Date

Note: All media depths are placed depths and do not account for skimming allowances as described in Sections 466112 and 466113.

**CITY OF NORTH MIAMI BEACH
FILTER REHABILITATION**

Bid Alternates							
		Description	Filters	per Filter	Unit	Unit Cost	Total Cost
Bid Alternate 1: Filters 3-8 Rehabilitate Underdrain System							
		Underdrain					
A1		Labor for unforeseen 3" CIP Lateral and CIP header repair work	-	6	HR	\$175.00	\$1,050.00
		Media					
A2		6" Gravel (3-1/2" to 2-1/2")	6	179	CF	\$28.50	\$30,523.50
A3		4" Gravel (2-1/2" to 2")	6	119	CF	\$27.50	\$19,635.00
A4		5" Gravel (1-1/2" to 3/4")	6	149	CF	\$27.50	\$24,543.75
A5		4" Gravel (3/4" to 1/4")	6	119	CF	\$27.00	\$19,278.00
A6		3" Gravel (1/4" to No. 12)	6	89	CF	\$27.00	\$14,458.50
A7		12" Sand (0.45 mm to 0.55 mm)	6	357	CF	\$23.00	\$49,266.00
A8		20" Anthracite (0.95 mm to 1.05 mm)	6	595	CF	\$26.00	\$92,820.00
Total Bid Alternate 1							\$251,574.75
Bid Alternate 2, Filters 9-11 - Rehabilitate Underdrain System							
		Underdrain					
A9		Labor for unforeseen Clay Tile Block Underdrain repair work	-	6	HR	\$150.00	\$900.00
		Media					
A10		3" Gravel (3-1/2" to 2-1/2")	3	89	CF	\$27.00	\$7,229.25
A11		3" Gravel (2-1/2" to 2")	3	89	CF	\$27.00	\$7,229.25
A12		2" Gravel (1-1/2" to 3/4")	3	60	CF	\$27.00	\$4,819.50
A13		2" Gravel (3/4" to 1/4")	3	60	CF	\$27.00	\$4,819.50
A14		2" Gravel (1/4" to No. 12)	3	60	CF	\$27.00	\$4,819.50
A15		12" Sand (0.45 mm to 0.55 mm)	3	357	CF	\$24.00	\$25,704.00
A16		20" Anthracite (0.95 mm to 1.05 mm)	3	595	CF	\$26.00	\$46,410.00
Total Bid Alternate 2							\$101,931.00
Bid Alternate 3, Filters 1-2 Rehabilitate Underdrain System							
		Underdrain					
A17		Labor for unforeseen Plastic Block Underdrain repair work	-	6	HR	\$150.00	\$900.00
A18		Remove IMS Cap from Underdrain Blocks	2	216	SF	\$10.00	\$4,320.00
		Media					
A19		2" Gravel (3/4" to 1/2")	2	36	CF	\$61.00	\$4,392.00
A20		2" Gravel (1/2" to 1/4")	2	36	CF	\$61.00	\$4,392.00
A21		2" Gravel (1/4" to 1/8")	2	36	CF	\$61.00	\$4,392.00
A22		2" Gravel (1/8" to No. 12)	2	36	CF	\$61.00	\$4,392.00
A23		12" Sand (0.45 mm to 0.55 mm)	2	216	CF	\$26.00	\$11,232.00
A24		20" Anthracite (0.95 mm to 1.05 mm)	2	360	CF	\$38.00	\$27,360.00
Total Bid Alternate 3							\$61,380.00
Total Alternate Bid Price							
Total Alternate Bid: Bid Alternate 1 + Bid Alternate 2 + Bid Alternate 3							\$414,885.75
Florida Design Contractors, Inc.			 Signature of Bidder, Date				
Name of Bidder							

Note: All media depths are placed depths and do not account for skimming allowances as described in Sections 466112 and 466113.

PROPOSAL TO: CHIEF PROCUREMENT OFFICER
CITY OF NORTH MIAMI BEACH
17011 N.E. 19th Avenue
North Miami Beach, Florida 33162

The undersigned Bidder hereby proposes to furnish all labor, material, equipment, tools and services necessary to perform all work required under the bidding Schedule of Owner's Agreement Documents entitled, "**Norwood Water Treatment Plant Filter Rehabilitation Project**", in accordance with the intent of the Agreement Documents, including the Specifications, Drawings, and all Addenda issued by said Owner prior to opening of Bid Proposals.

Bidder agrees that, within ten (10) calendar days after receipt of the Agreement from Owner, he will execute the Agreement in required form, of which Notice Inviting Bids, Instructions to Bidders, Proposal, Information Required of Bidder, Specifications, Drawings, and all Addenda issued by Owner prior to the opening of Proposal are a part, and will secure the required insurance and bonds and furnish the required insurance certificates; and that upon failure to do so within said time, then the proposal guarantee furnished will be forfeited to Owner as liquidated damages for such failure; provided that if Bidder shall execute and contract, secure required insurance and bonds, and furnish required insurance certificates within said time, his check, if furnished, will be returned to him within 5 days thereafter, or bid bond, if furnished, will become void.

If the undersigned Bidder is awarded a construction Agreement on this Proposal, the Surety who will provide the Public Construction Payment and Performance Bond will be:

Berkley Insurance Company

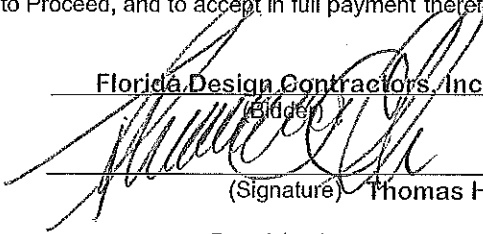
whose address is 412 Mount Kemble Avenue, Suite 310N., Morristown

State New Jersey

Zip Code 07960

Said undersigned Bidder further agrees to complete all work required under the Agreement within the number of calendar days stated in the summary of the work after receiving a Notice to Proceed, and to accept in full payment therefore the price(s) named in the above-mentioned Bid Form.

Dated: June 18, 2014

Florida Design Contractors, Inc.
(Bidder)

(Signature) Thomas H. Clarke
President
(Title)

SECTION 5.0 CITY REQUIRED FORMS

5.1 STATEMENT OF "NO" BID

If your company shall not be submitting a bid in response to this Invitation to Bid or Request for Proposal, please complete this Statement of "No" Bid Sheet and return, prior to the Bid/RFP Due Date established within, to:

**The City of North Miami Beach
 Procurement Management Division, Room 315
 17011 NE 19th Avenue
 North Miami Beach, Florida 33162**

This information shall help the City of North Miami Beach in the preparation of future Bids and RFP's.

Bid/RFP/RFQ Number: _____ Title: _____

Company Name: _____

Contact: _____

Address: _____

E-Mail: _____

Telephone: _____ Facsimile: _____

√	Reasons for "NO" Bid:
	Unable to comply with product or service specifications.
	Unable to comply with scope of work.
	Unable to quote on all items in the group.
	Insufficient time to respond to the Invitation to Bid.
	Unable to hold prices firm through the term of the contract period.
	Our schedule would not permit us to perform.
	Unable to meet delivery requirements.
	Unable to meet bond requirements.
	Unable to meet insurance requirements.
	Other (Specify below)

Comments: _____

5.2 BIDDER REFERENCES Please see the attached

Respondent shall provide a minimum of three (3) bidder's project references with same or similar scope as those detailed herein. Bidder shall use this form and provide this information with submission. Failure to do so may result in the rejection of the submission.

1. Name of Firm, City, County or Agency: _____
 Address: _____
 City/State/Zip: _____
 Contact: _____ Title: _____
 Telephone: _____ Fax: _____
 Email Address: _____
 Project Title: _____
 Scope of Work: _____

Project Engineer of Record: _____ Total Cost: _____
 Project Start (Month/Year): _____ Project End (Month/Year): _____

2. Name of Firm, City, County or Agency: _____
 Address: _____
 City/State/Zip: _____
 Contact: _____ Title: _____
 Telephone: _____ Fax: _____
 Email Address: _____
 Project Title: _____
 Scope of Work: _____

Project Engineer of Record: _____ Total Cost: _____
 Project Start (Month/Year): _____ Project End (Month/Year): _____

3. Name of Firm, City, County or Agency: _____
 Address: _____
 City/State/Zip: _____
 Contact: _____ Title: _____
 Telephone: _____ Fax: _____
 Email Address: _____

Project Title: _____

Scope of Work: _____

Project Engineer of Record: _____ Total Cost: _____

Project Start (Month/Year): _____ Project End (Month/Year): _____

5.3 BID SIGNATURE PAGE FOR CORPORATION

The officers of the Corporation are as follows:

<u>NAME</u>	<u>ADDRESS</u>
President <u>Thomas H. Clarke</u>	<u>1326 S. Killian Drive, Lake Park, FL 33403</u>
Vice-President _____	_____
Secretary <u>Joann Escott</u>	<u>1326 S. Killian Drive, Lake Park, FL 33403</u>
Treasurer _____	_____
Registered Agent _____	_____

The full names and residences of stockbrokers, persons, or firms interested in the foregoing Bid, as principals, are as follows:

Not applicable

Post Office Address

BIDDER:

Florida Design Contractors, Inc.
(CORPORATE NAME)

PRESIDENT'S SIGNATURE AND E-MAIL ADDRESS

Thomas H. Clarke - tclarke@floridadesigncontractors.com

Is this corporation incorporated in the State of Florida?

ATTEST: Joann Escott
SECRETARY Joann Escott

YES NO

If no, give address of principal place of business: _____

5.4 BID SIGNATURE PAGE FOR SOLE PROPRIETOR OR PARTNERSHIP

The full names and residences of persons, partners or firms interested in the foregoing Bid, as principals, are as follows:

BIDDER

(FIRM NAME)

Witnesses:

(SEAL)

SIGNATURE AND E-MAIL ADDRESS

PRINT NAME

Title (Sole Proprietor or Partner)

Post Office Address:

TELEPHONE

CITY in which fictitious name is registered.

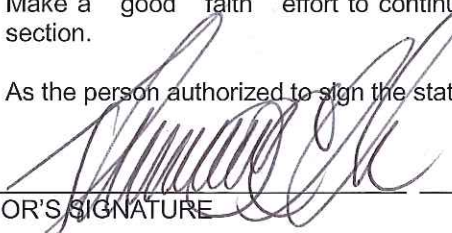
Attach a copy of proof of registration

5.5 DRUG-FREE WORKPLACE PROGRAM

IDENTICAL TIE BIDS - Preference shall be given to businesses with drug-free workplace programs. Whenever two or more bids which are equal with respect to price, quality, and service are received by the State or by any political subdivision for the procurement of commodities or contractual services, a bid received from a business that certifies that it has implemented a drug-free workplace program shall be given preference in the award process. Established procedures for processing tie bids will be followed if none of the tied vendors have a drug-free workplace program. 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 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 bid a copy of the statement specified in subsection (1).
4. In the statement specified in subsection (1), notify the employee that, as a condition of working on the commodities or contractual services that are under bid, 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 five (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 the statement, I certify that this firm complies fully with the above requirements.



Thomas H. Clarke

VENDOR'S SIGNATURE

PRINTED NAME

Florida Design Contractors, Inc.

NAME OF COMPANY

5.6 SOLICITATION, GIVING, AND ACCEPTANCE OF GIFTS POLICY

Florida Statute 112.313 prohibits the solicitation or acceptance of Gifts. - "No Public officer, employee of an agency, or candidate for nomination or election shall solicit or accept anything of value to the recipient, including a gift, loan, reward, promise of future employment, favor, or service, based upon any understanding that the vote, official action, or judgment of the public officer, employee, or candidate would be influenced thereby."... The term 'public officer' includes any person elected or appointed to hold office in any agency, including any person serving on an advisory body."

The City of North Miami Beach policy prohibits all public officers, elected or appointed, all employees, and their families from accepting any gifts of any value, either directly or indirectly, from any contractor, vendor, consultant, or business with whom the City does business. Only advertising office stationery or supplies of small value are exempt from this policy - e.g. calendars, note pads, pencils.

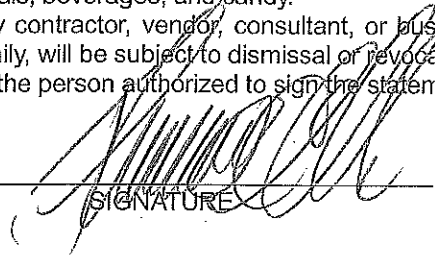
The State of Florida definition of "gifts" includes the following:

- Real property or its use,
- Tangible or intangible personal property, or its use,
- A preferential rate of terms on a debt, loan, goods, or services,
- Forgiveness of indebtedness,
- Transportation, lodging, or parking,
- Membership dues,
- Entrance fees, admission fees, or tickets to events, performances, or facilities,
- Plants, flowers or floral arrangements

Services provided by persons pursuant to a professional license or certificate. Other personal services for which a fee is normally charged by the person providing the services. Any other similar service or thing having an attributable value not already provided for in this section. To this list, the City of North Miami Beach has added food, meals, beverages, and candy.

Any contractor, vendor, consultant, or business found to have given a gift to a public officer or employee, or his/her family, will be subject to dismissal or revocation of contract.

As the person authorized to sign the statement, I certify that this firm will comply fully with this policy.



SIGNATURE

Thomas H. Clarke

PRINTED NAME

Florida Design Contractors, inc.

NAME OF COMPANY

President

TITLE

Failure to sign this page shall render your bid non-responsive

5.7 LICENSES, QUALIFICATIONS, TRAININGS AND CERTIFICATIONS OF CONTRACTOR AND SUBCONTRACTORS

Please include in this section.

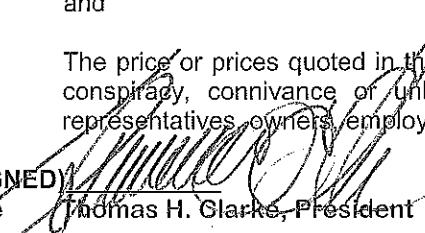
5.8 NONCOLLUSION AFFIDAVIT

STATE OF: Florida

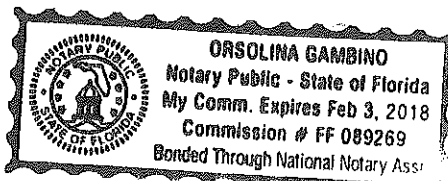
COUNTY OF: Palm Beach

Thomas H. Clarke, being first duly sworn, deposes and says that:

- (1) He/~~she~~ is President of Florida Design Contractors, Inc the Bidder that has submitted the attached Bid.
- (2) Bidder has been fully informed regarding the preparation and contents of the attached Bid and of all pertinent circumstances regarding such Bid;
- (3) Such Bid is genuine and is not a collusion or sham Bid;
- (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 Bid in connection with the contractor for which the attached Bid 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, profit or cost element of the Bid price or the Bid price of any other Bidder, or to secure through advantage against the City of N. Miami Beach, FL (Local Public Agency) or any person interested in the proposed Contract; and
- (5) The price or prices quoted in the attached Bid 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.

(SIGNED) 
Title Thomas H. Clarke, President

Subscribed and sworn to before me this
18th day of June, 2014
My commission expires:



5.9 SWORN STATEMENT PURSUANT TO SECTION 287.133 (3) (a) FLORIDA STATUTES ON PUBLIC ENTITY CRIMES
THIS FORM MUST BE SIGNED AND SWORN TO IN THE PRESENCE OF A NOTARY PUBLIC OR OTHER OFFICIAL AUTHORIZED TO ADMINISTER OATHS

1. This form statement is submitted to City of North Miami Beach

by Thomas H. Clarke for Florida Design Contractors, Inc.
(Print individual's name and title) (Print name of entity submitting sworn statement)

whose business address is 1326 S. Killian Drive, Lake Park, FL 33403

and if applicable its Federal Employer Identification Number (FEIN) is 65-0306966 If the entity has not FEIN, include the Social Security Number of the individual signing this sworn statement.

2. I understand that a "public entity crime" as defined in paragraph 287.133(1)(g), Florida Statutes, means a violation of any state or federal law by a person with respect to an directly related to the transactions of business with any public entity or with an agency or political subdivision of any other state or with the United States, including, but not limited to any bid or contract for goods or services to be provided to public entity or agency or political subdivision of any other state or of the United States and involving antitrust, fraud, theft, bribery, collusion, racketeering, conspiracy, or material misinterpretation.
3. I understand that "convicted" or "conviction" as defined in Paragraph 287.133(1)(b), Florida Statutes, means a finding of guilt or a conviction of a public entity crime, with or without an adjudication of guilt, in an federal or state trial court of record relating to charges brought by indictment or information after July 1, 1989, as a result of a jury verdict, non-jury trial, or entry of a plea of guilty or nolo contendere.
4. I understand that an "Affiliate" as defined in paragraph 287.133(1)(a), Florida Statutes means:
1. A predecessor or successor of a person convicted of a public entity crime, or
 2. An entity under the control of any natural person who is active in the management of the entity and who has been convicted of a public entity crime. The term "affiliate" includes those officers, directors, executives, partners, shareholders, employees, members, and agents who are active in the management of an affiliate. The ownership by one person of shares constituting a controlling interest in another person, or a *pooling* of equipment or income among persons when not for fair market value under an arm's length agreement, shall be a prima facie case that one person controls another person. A person who knowingly enters into a joint venture with a person who has been convicted of a public entity crime in Florida during the preceding 36 months shall be considered an affiliate.
5. I understand that a "person" as defined in Paragraph 287.133(1)(e), Florida Statutes, means any natural person or entity organized under the laws of any state or of the United States within the legal power to enter into a binding contract and which bids or applies to bid on contracts for the provision of goods or entity. The term "person" includes those officers, executives, partners, shareholders, employees, members, and agents who are active in management of an entity
6. Based on information and belief, the statement which I have marked below is true in relation to the entity submitting this sworn statement. (Please indicate which statement applies.)

Neither the entity submitting sworn statement, nor any of its officers, director, executives, partners, shareholders, employees, members, or agents who are active in the management of the entity, nor any affiliate of the entity has been charged with and convicted of a public entity crime subsequent to July 1, 1989.

The entity submitting this sworn statement, or one or more of its officers, directors, executives, partners, shareholders, employees, members, or agents who are active in the management of the entity, or an affiliate of the entity, or an affiliate of the entity had been charged with and convicted of a public entity crime subsequent to July 1, 1989, AND (please indicate which additional statement applies).

The entity submitting this sworn statement, or one or more of its officers, directors, executives, partners, shareholders, employees, members, or agents who are active in the management of the entity, nor any affiliate of the entity has been charged with and convicted of a public entity crime subsequent proceeding before a Hearing Officer of the State of the State of Florida, Division of Administrative Hearings and the Final Order entered by the Hearing Officer determined that it was not in the public interest to place the entity submitting this sworn statement on the convicted vendor list. (attach a copy of the final order).

I UNDERSTAND THAT THE SUBMISSION OF THIS FORM TO THE CONTRACTING OFFICER FOR THE PUBLIC ENTITY IDENTIFIED IN PARAGRAPH 1 (ONE) ABOVE IS FOR THAT PUBLIC ENTITY ONLY AND THAT THIS FORM IS VALID THROUGH DECEMBER 31 OR THE CALENDAR YEAR IN WHICH IT IS FILED. I ALSO UNDERSTAND THAT I AM REQUIRED TO INFORM THAT PUBLIC ENTITY PRIOR TO ENTERING INTO A CONTRACT IN EXCESS OF THE

THRESHOLD AMOUNT PROVIDED IN SECTION 287.017 FLORIDA STATUTES FOR A CATEGORY TWO OF ANY CHANGE IN THE INFORMATION CONTAINED IN THIS FORM.

[Handwritten Signature]
Thomas H. Clarke (Signature)

Sworn to and subscribed before me this 18th day of June, 2014.

Personally known _____

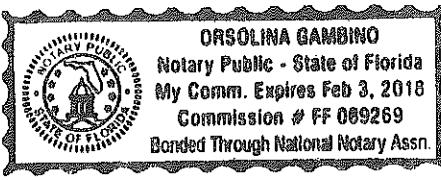
~~XXXXXXXXXXXXXXXXXXXX~~ _____ Notary Public-State of Florida

_____ my commission expires _____

(Type of identification)

[Handwritten Signature]

(Printed, typed or stamped commissioned name of notary public)



5.10 SOURCE OF INFORMATION

How did you find out about this solicitation? Check all that applies.

- 1. www.citynmb.com
- 2. www.demandstar.com
- 3. Daily Business Review
- 4. The Miami Herald
- 5. Referral/word- of mouth Specify Source: _____
- 6. Search Engine/Internet search
- 7. E-mail, newsgroup, online chat Specify Source: _____
- 8. Banner or Link on another website
- 9. Flyer, newsletter, direct mail Specify Source: _____
- Other Specify Source: _____

5.11 BID BOND

KNOW ALL MEN BY THESE PRESENTS,

THAT _____ as Principal,

and _____ as Surety,

are held and firmly bound unto _____

Hereinafter called "Owner," in the sum of _____

_____ dollars, for the payment of which sum, well and (not less than 5 percent of the total amount of the bid)

truly to be made, we bind ourselves, our heirs, executors, administrators, successors, and assigns, jointly and severally, firmly by these presents.

WHEREAS, said Principal has submitted a bid to said Owner to perform all work required under the Bid Form(s)

Owner's Contract Documents entitled

"ITB No. 2014-03 Norwood Water Treatment Plant Filter Rehabilitation Project"

NOW THEREFORE, if said Principal is awarded a Contract by said Owner and, within the time and in the manner required under the heading "Instructions to Bidders" bond with said contract Documents, enters into a written Contract of the form of agreement bound with said Contract Documents and furnishes the required bonds, one to guarantee faithful performance and the other to guarantee payment for labor and material, then this obligation shall be null and void, otherwise it shall remain in full force and effect. In the event suit is brought upon this bond by said Owner and judgment is recovered, said Surety shall pay all costs incurred by said Owner in such suit, including a reasonable attorney's fee to be fixed by the court.

SIGNED AND SEALED, this _____ day of _____, 20__.

_____(SEAL)
(Principal)

_____(SEAL)
(Surety)

By: _____
(Signature)

By: _____
(Signature)

(SEAL AND NOTARIAL ACKNOWLEDGEMENT OF SURETY)

5.12 PUBLIC CONSTRUCTION CONTRACT BOND PERFORMANCE, PAYMENT AND GUARANTEE

STATE OF FLORIDA
COUNTY OF MIAMI-DADE

KNOW ALL PERSONS BY THESE PRESENTS THAT _____
_____ as principal and _____, a corporation organized under the laws of the State of
with its home office in the City of _____ as surety (said principal and said surety hereinafter collectively being referred to as obligor),
are held and firmly bound unto THE CITY OF NORTH MIAMI BEACH, FLORIDA, hereinafter called the obligee in the sum of
(\$ _____) lawful money of the United States of America, for the payment whereof to the obligee, the principal and surety respectively
bind themselves, their successors, heirs and assigns, jointly and severally firmly by these presents, in accordance with Section 255.05(1),
Florida Statutes.

Signed, sealed and dated this _____ day of _____, A.D. 20_____

WHEREAS, the principal and obligee have entered into a written agreement, hereinafter called the "Agreement" for the
construction complete of

Replacement of actuators for lime filter control valves, in Miami-Dade County, Florida, pursuant to the Project Manual
and Specifications for Bid No. _____, opened _____, to which this
Exhibit is attached.

as evidenced by contract and plans and specifications made a part thereof, entered into between the principal and obligee on the
day of _____ 20____, a copy of which contract may be attached hereto and is hereby referred to and made a part thereof.

NOW THEREFORE, the condition of the foregoing obligation is such that if the principal shall indemnify the obligee for all loss
that the obligee may sustain by reason of the principal's failure to comply with any of the terms of the contract, then this obligation shall be
void; otherwise it shall remain in full force.

THIS BOND shall also be security for the performance of the principal and surety of the following additional covenants and obligations,
and the recitals and references herein contained shall constitute a part of this Bond and obligation.

1. **PERFORMANCE:** Said principal (Contractor) shall well and truly perform, carry out and abide by all the terms, conditions and provisions of said contract and complete the work therein specified in accordance with the terms thereof and in the event said principal (Contractor) fails to perform said contract as aforesaid, it shall be the duty of the obligor herein to assume responsibility for the performance of said contract and to complete the work therein specified in accordance with the terms thereof, and the obligor herein shall and does hereby agree to indemnify the obligee and hold it harmless of, from and against any and all liability, loss, cost, damage or expense including reasonable attorneys fees, engineering and architectural fees or other professional services which said obligee may incur or which may accrue or be imposed upon it by reason of any negligence, default and/or misconduct on the part of the said contractor, and his agents, servants, and/or employees, in about, or an account of the construction of said work and performance of said contract by the said contractor, and shall repay to and reimburse to the said obligee, promptly upon demand, all sums of money including reasonable attorneys, architects, engineers and other professional services, each and every, reasonably paid out or expended by the said obligee on account of the failure and/or refusal of said contractor to carry out, do, perform, and/or comply with any of the terms and provisions of said contract at the time and in the manner therein provided.
2. **PAYMENT:** The principal will make payments to all persons supplying the principal labor, material and supplies used directly or indirectly by the principal or any subcontractor or subcontractors of the principal in the prosecution of the work provided for in said contract.
3. **GUARANTEE:**
 - A. **Materials and workmanship:** The principal will guarantee all materials and workmanship installed and performed under the contract for a period of one year after acceptance or work.
 - B. **Successful operation (applying to all mechanical and electrical equipment and all devices and equipment having working parts):** The principal will guarantee the successful operation of all mechanical and electrical equipment and all other devices and equipment having working parts for a period of one year after acceptance of the work.
4. **SUBCONTRACTORS AND SUPPLIERS:** Each and every person, natural and artificial, for whose benefit this bond has been executed, as disclosed by the test of this bond and of said contract, specifications, drawings, and all papers, and said agreement in instruments attached and made a part of the material, or supplies in furtherance of said contract, shall have the same several rights of suits or action upon this bond as if he or they were the obligee or obligees herein specifically mentioned, and the obligations hereof shall be several as to the rights of said persons or said obligees hereof.

- 5. COURT COSTS AND FEES: In each and every suit brought against the obligor upon this bond, in which the plaintiff shall be successful, there shall be assessed therein against the obligor herein, in favor of the plaintiff therein, reasonable counsel fees, engineers, architect and other expert witness fee, which the obligor hereby expressly agrees to pay as the part of the cost and expense of such suit.
- 6. ALTERATIONS, ADDITIONS AND CHANGES: That any and all alterations, additions or changes which may be made in the terms of said agreement or in the work to be done thereunder, or the giving by the owner of any extension of time for the performance of said agreement, or by any overpayment or premature payment made by owner to principal, or any forbearance whatsoever on the part of either the owner or the principal, or either or any of them, to the other, shall not in any way nor any extent whatsoever release the principal and the surety, or either of them, from liability hereunder, notice to the surety of any such alterations, additions, changes, extensions, overpayment, premature payments and forbearances being hereby waived.

IN WITNESS WHEREOF the said principal and said surety hereto have caused these presents to be executed this _____ day of 20__.

Signed, sealed and delivered in the presence of:

(SEAL)

By: _____

As to Principal

Attest

Secretary

Signed, sealed and delivered in the presence of:

As to Surety

Attorney-in-fact

Florida Resident Agent

NOTE: If both principal and surety are corporations, the respective corporate seals shall be affixed and attached. Power of Attorney to be attached.

APPROVED AS TO FORM:

CITY ATTORNEY

5.13 LIST OF SUBCONTRACTORS

PROJECT: NORWOOD WATER TREATMENT PLANT FILTER REHABILITATION PROJECT
 BID OPENING DATE: June 17, 2014 at 10:00AM

PROJECT NO.: 2014-03

LOCATION: Norwood-Oeffler Water Treatment Plant, 19150 NW 8th Avenue, Miami Gardens, FL 33169

OWNER: City of North Miami Beach, Florida

CONTRACTOR: Florida Design Contractors, Inc.

Name Under Which Subcontractor is Licensed	License No.	Address of Office, Mill, or Shop	Percent of Total Contract	Specific Description of Subcontract
Shenandoah General Construction		1888 NW 22nd Street Pompano Beach, FL 33069		MEDIA Demo
Southland Painting, Corporation		2635 NW 4th Street Fort Lauderdale, FL 33311		COATING & PAINTING
Prime Tech Coatings, Inc.		5475 Maule Way West Palm Beach, FL 33407		
MTS Environmental		3102 Sawgrass Village Circle, Ponte Vedra Beach, FL 32082		EQUIPMENT

SECTION 6.0 SAMPLE AGREEMENT FOR BIDDER INFORMATION ONLY**DO NOT EXECUTE****SAMPLE AGREEMENT- DO NOT FILL OUT****CONTRACT TITLE AND NUMBER**

THE AGREEMENT made and entered into as of this ____ day of _____, 2014 by and between _____, a corporation organized and existing under the laws of the **State of Florida**, having its principal office at _____ (hereinafter referred to as the "Contractor"), and the City of North Miami Beach, a political subdivision of the State of Florida, having its principal office at 17011 NE 19 Avenue, North Miami Beach, Florida 33162 (hereinafter referred to as the "City"),

WITNESSETH:

WHEREAS, the Contractor has offered to provide the materials and/or services and to be bound by the Plans and the terms and conditions of the ITB_____, which includes:

- General Terms and Conditions of Invitations for Bids, Specifications, Bid Forms, and associated addenda attached hereto and incorporated herein as Exhibit "A".
- The terms of CONTRACTOR'S PROPOSAL attached hereto and incorporated herein as Exhibit "B".

WHEREAS, the Contractor has submitted a written proposal dated _____, 2014 hereinafter referred to as the "Contractor's Proposal", which is incorporated herein by reference; and,

WHEREAS, the City desires to procure from the Contractor such _____ for the City, in accordance with the terms and conditions of the Agreement;

NOW, THEREFORE, in consideration of the mutual covenants and agreements herein contained, the parties hereto agree as follows:

1. The CONTRACTOR agrees to provide the materials and/or services and to be bound by the Plans and the terms and conditions of the Invitation to Bid, which includes General Terms and Conditions of Invitations for Bids, Specifications, Bid Forms, and associated addenda and attach attached hereto and incorporated herein as Exhibit "A" and to the terms of CONTRACTOR'S PROPOSAL attached hereto and incorporated herein as Exhibit "B".
2. The CITY agrees to abide by and to be bound by the terms of the Invitation to Bid, which includes General Terms and Conditions of Invitations for Bids, Specifications, Bid Forms, and associated addenda as attached hereto and incorporated herein as Exhibit "A" and to the terms of CONTRACTOR'S PROPOSAL attached hereto and incorporated herein as Exhibit "B".
3. CONTRACTOR shall deliver materials and/or provide service when and as directed by the CITY.
4. The CITY agrees to make payment in accordance with the terms of the attached Invitation to Bid and Bid Forms attached hereto and incorporated herein as Exhibit "A" and to the terms of CONTRACTOR'S PROPOSAL attached hereto and incorporated herein as Exhibit "B".
5. The Agreement constitutes the entire agreement between the parties hereto, and its provisions shall not be amended, except in writing, after formal approval by both parties.
6. The Agreement will commence on _____ expire on _____ unless otherwise notified by the City. Any extension to the Agreement shall be in writing. The City Manager is authorized to terminate the Agreement on behalf of the City.
 1. CONTRACTOR agrees to indemnify and hold the City harmless from any and all claims, suits, actions, damages, causes of action, and attorney's fees, arising from any personal injury, loss of life, or damage to person or property sustained by reason of or as a result of the products or materials used or supplied in the performance of the Agreement.

IN WITNESS WHEREOF, the parties hereto have made and executed the Agreement on this

_____ day of _____, 2014.

CONTRACTOR

By: _____
(Signature)

Name: _____
(Print)

Title: _____

Date: _____

Attest: _____
Corporate Seal/Notary Public

Corporate Seal/Notary Seal
CITY OF NORTH MIAMI BEACH

By: _____
Ana M. Garcia, City Manager

Date: _____

Attest: _____
Pamela L. Lafimore, City Clerk

Approved as to form
And legal sufficiency

Jose Smith, City Attorney



CERTIFICATE OF INSURANCE



CERTIFICATE OF LIABILITY INSURANCE

FLORES-02 LGLEASON

DATE (MM/DD/YYYY)
2/24/2014

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 Collinsworth, Alter, Lambert, LLC 23 Eganfuskee Street Suite 102 Jupiter, FL 33477	CONTACT NAME: Lori B. Gleason PHONE (A/C, No, Ext): (561) 776-9001 E-MAIL ADDRESS: lgleason@callc.com	FAX (A/C, No): (561) 427-6730
	INSURER(S) AFFORDING COVERAGE	
INSURED Florida Design Contractors, Inc. 1326 South Killian Drive West Lake Park, FL 33403	INSURER A: Amerisure Mutual Ins Co NAIC # 23396	
	INSURER B: Amerisure Insurance Co 19488	
	INSURER C: North River Insurance Company	
	INSURER D: Travelers Property & Casualty Co. of America 25674	
	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	ADDITIONAL INSURER	POLICY NUMBER	POLICY EFF (MM/DD/YYYY)	POLICY EXP (MM/DD/YYYY)	LIMITS
A	<input checked="" type="checkbox"/> GENERAL LIABILITY		CPP20522710502	3/1/2014	3/1/2015	EACH OCCURRENCE \$ 1,000,000
	<input checked="" type="checkbox"/> COMMERCIAL GENERAL LIABILITY					DAMAGE TO RENTED PREMISES (Ea occurrence) \$ 100,000
	<input type="checkbox"/> CLAIMS-MADE <input checked="" type="checkbox"/> OCCUR					MED EXP (Any one person) \$ 5,000
	<input checked="" type="checkbox"/> XCU & Contractual					PERSONAL & ADV INJURY \$ 1,000,000
	<input checked="" type="checkbox"/> Broad Form Prop. Dam					GENERAL AGGREGATE \$ 2,000,000
	GEN'L AGGREGATE LIMIT APPLIES PER:					PRODUCTS - COM/OP AGG \$ 2,000,000
	<input type="checkbox"/> POLICY <input checked="" type="checkbox"/> PROJECT <input type="checkbox"/> LOG					\$
B	<input checked="" type="checkbox"/> AUTOMOBILE LIABILITY		CA20523030501	3/1/2014	3/1/2015	COMBINED SINGLE LIMIT (Ea accident) \$ 1,000,000
	<input checked="" type="checkbox"/> ANY AUTO					BODILY INJURY (Per person) \$
	<input type="checkbox"/> ALL OWNED AUTOS	<input type="checkbox"/> SCHEDULED AUTOS				BODILY INJURY (Per accident) \$
	<input checked="" type="checkbox"/> HIRED AUTOS	<input checked="" type="checkbox"/> NON-OWNED AUTOS				PROPERTY DAMAGE (Per accident) \$
						PIP Coverage \$ 10,000
C	<input checked="" type="checkbox"/> UMBRELLA LIAB	<input checked="" type="checkbox"/> OCCUR	5841026178	3/1/2014	3/1/2015	EACH OCCURRENCE \$ 5,000,000
	<input type="checkbox"/> EXCESS LIAB	<input type="checkbox"/> CLAIMS-MADE				AGGREGATE \$ 10,000,000
	<input type="checkbox"/> DED <input checked="" type="checkbox"/> RETENTION \$					\$
B	WORKERS COMPENSATION AND EMPLOYERS' LIABILITY		WC205227205	3/1/2014	3/1/2015	<input checked="" type="checkbox"/> NO STATUTORY LIMITS <input type="checkbox"/> OTHER
	ANY PROPRIETOR/PARTNER/EXECUTIVE OFFICER/MEMBER EXCLUDED? (Mandatory in NH)	<input type="checkbox"/> Y/N				E.L. EACH ACCIDENT \$ 1,000,000
	If yes, describe under DESCRIPTION OF OPERATIONS below					E.L. DISEASE - EA EMPLOYEE \$ 1,000,000
D	Rented/Leased Equip.		QT6607132PB26TIL14	3/1/2014	3/1/2015	Limit 250,000

DESCRIPTION OF OPERATIONS / LOCATIONS / VEHICLES (Attach ACORD 101, Additional Remarks Schedule, if more space is required)
 Certificate holder is named as additional insured including products and completed operations for general liability per CG7048, auto liability, and umbrella liability when required by written contract. General Liability is primary and non contributory when required by written contract. Waiver of subrogation applies to General Liability, Auto, Umbrella, and Workers' Compensation coverages for the additional insureds when required by written contract. Should any of the above described policies be cancelled, notice will be delivered in accordance with the policy provisions.

CERTIFICATE HOLDER Florida Design Contractors, Inc. 1326 South Killian Drive W Lake Park, FL 33403	CANCELLATION 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 
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LIST OF PROJECT REFERENCES

**Florida Design Contractors
Project Experience**

Project #	Project Name	Owner	Engineer	Scope	Contract \$	Completed	County
1180	Bio Set Class A Sludge Processing System	Immokalee Water & Sewer District 1020 Sanitation Road Immokalee, FL 34142 Eva J. Deyo, Executive Director 239-658-3630 evadeyo@iw-sd.com	Greeley and Hansen 5260 Summerlin Commons Way Ste 302, Ft. Myers, FL 33907 Gary C. Ferrante 239-226-9660 F 239-226-9663 gferrante@greeley-hansen.com	State-of-the-Art Class A Sludge Processing System, first of its kind in the United States. The system consist of a sludge dewatering system, a sludge processing system, mechanical process piping, electrical, and incidentals housed by a pre-engineered metal	\$2,000,000.00	2014	Collier
1155	Valrico Spray Field	Hillsborough County Purchasing 601 E. KENNEDY BLVD. TAMPA, FLORIDA 33601	Parsons Water & Infrastructure, Inc. 4925 Independence Parkway Tampa, FL 33634 Rick Cromer 954-593-1034 rick.cromer@parsons.com	Replace the controls for the 220 acer spray field with a personal computer (PC) based central control system, a central computer, 7 satellite-controllers, a weather station, instrumentation and all associated wiring and conduit.	\$1,047,800.00	2014	Hillsborough
1150	Boca Raton Wellfield 28, 32 & 33	City of Boca Raton 201 W. Palmetto Park Road Boca Raton, FL 33432 Mr. Norm Wellings 561-239-3071 Fax 561-338-7345 nwellings@ci.boca-raton.fl.us	CDM 6365 N.W. 6th Way Ft. Lauderdale, FL 33309 John Chandler, 954-770-7471 chandlerjs@cdm.com	Three Surface Wells to a depth of 250 feet, 5000 feet of raw water main, wellheads, concrete foundations, electrical controls and SCADA system, fencing and service road.	\$3,397,000.00	2014	Palm Beach
1145	Water & Sewer Distric WW System Improvements	Immokalee Water & Sewer District 1020 Sanitation Road Immokalee, FL 34142 Eva J. Deyo, Executive Director 239-658-3630 evadeyo@iw-sd.com	Greeley and Hansen 5260 Summerlin Commons Way Ste 302, Ft. Myers, FL 33907 Gary C. Ferrante 239-226-9660 F 239-226-9663 gferrante@greeley-hansen.com	Phase 1 - Construction of a 0.75 MGD Expansion to the existing WWTP, including new headworks, one new oxidation ditch, one new clarifier, one new sludge holding tank, one new chlorine contact basin, a new administration building, site piping and related items of construction.	\$6,837,700	2014	Collier
1140	Process Air Piping Improvements	South Central Regional Wastewater Treatment and Disposal Board 1801 N. Congress Ave Delray Beach, FL 33445	Hazen and Sawyer 2101 NW Corporate Blvd., #301 Boca Raton, FL 33431 Felipe Martinez 561-997-8070 fmartinez@hazenandsawyer.com	Installation of process air piping complete, tested, installation of dewatering sludge process drain.	\$718,935	2012	Palm Beach
1135	West Central Avenue WTF Expansion	Howey-in-the-Hills 101 North Palm Ave Howey-in-the-Hills, FL 34737	Mayor Chris Sears 101 North Palm Ave. Howey in the Hills, FL. 34737 227-0770 352	Construction of new potable water treatment facilities and connection of those facilities to the existing water system. A 250,000 gallon ground stroage tank, potable water supply wekk, high service pump, chemical feed equipment.	\$1,711,940	2013	Lake
1130	Jupiter Water Treatment Plant Warehouse	Town of Jupiter Utilities 210 Military Trail Jupiter, FL 33458 Amanda Barnes 561-741-2537 Fax 561-747-5634 amandab@jupiter.fl.us	Town of Jupiter Utilities 210 Military Trail Jupiter, FL 33458 Amanda Barnes 561-741-2537 Fax 561-747-5634 amandab@jupiter.fl.us	Construction of a 7,390 +/- SF warehouse/office building and related site improvements at the Town of Jupiter WTP. Components of construction include but are not limited to pre-cast concrete tilt up panel building shell, steel joist and roof truss system, modified bitumen and concrete tile roofing systems, mechanical, electrical, plumbing, architectural finishes, fire sprinkling and alarm system.	\$1,616,495	2013	Palm Beach
1125	SLC Bailing & Recycling Facility Groundwater Hydraulic Control System	St. Lucie County 2300 Virginia Ave Ft. Pierce, FL 34982	CDM, Inc. 1701 Hwy A1A Vero Beach, FL 32963	Construct the groundwater hydraulic control system including three extraction well pump systems, wellheads, controls, transmission piping, scale house station modifications and stormwater control.	\$183,000.00	2012	St. Lucie
1115	Martin Correctional Institution Water and Wastewater Sytem Improvements	State of FL Department of Corrections 2601 Blair Stone Road Tallahassee, FL 32399-2500	Tetra Tech 10600 Chevrolet Way Estero, FL 33928 Danny Nelson 239-277-5155 Fax 239-390-1769 danny.nelson@tetratech.com	Installation of approx 4,300 LF of 12" DR 18 PVC potable water main piping. Installation of Chlorine contact basin, yard piping improvements, sprayfield irrigation system, approx. 10,134 LF of 8" DR 18 PVC, 8 irrigation zones with 4" piping valves, spray nozzles, and standpipes, and site improvements.	\$1,515,615	2012	Martin
1110	Hialeah Deep Injection Well Pump Station	City of Hialeah 501 Palm Ave Hialeah, FL 33010	Parsons Water & Infrastructure, Inc. 4925 Independence Parkway Tampa, FL 33634 Rick Cromer 954-593-1034 rick.cromer@parsons.com	Construct concrete holding tank (wetwell); three (3) horizontal end suction/centrifugal pumps; super duplex 20 above ground pipe and HDPE burried pipe; pre engineered building to house electrical and control equipment	\$2,570,158	On-Going	Miami Dade

**Florida Design Contractors
Project Experience**

1105	Moore Haven Water System Improvements	City of Moore Haven 299 Riverside Drive Moore Haven, FL 33471 Samuel Briefman 863-946-0711	Craig A. Smith & Associates 7777 Glades Road, Ste 410 Boca Raton, FL 33434 Greg Giarratana 561-314-4445 Fax 561-314-4457 gregg@craigasmith.com	Construction of a booster pump station and potable water storage tank facility consisting of a 300,000 gallon ground storage tank, 4 high service booster pumps, generator, hypochlorination equipment. Improvements to the WTP including installation of an ultrafiltration, a 405 gallon double wall HDPE coagulant day tank and chemical transfer pumps, an anhydrous ammonia metering pump system.	\$3,511,383	2012	Glades
1100	Nanofiltration WTP Membrane Control Building	City of Dania Beach 100 W. Dania Beach Boulevard Dania Beach, FL 33004	CDM Constructors, Inc. 2301 Maitland Center Pky, Ste 300 Maitland, FL 32751 Ron Dare, darej@cdm.com 407-660-6395 Fax 407-660-8912	Installation of the mechanical systems for the 2.0 MGD Nanofiltration WTP. Equipment includes but not limited to: nanofiltration skids, centrifugal, end-suction feed pumps; cartridge filters, membrane cleaning system, centrifugal sand separators, chemical storage feed system, HDPE 12" and 10 water mains.	\$676,475.00	2012	Broward
1095	Village of Tequesta Water Treatment Plant 3.6 MGD Expansion	Village of Tequesta 345 Tequesta Drive Tequesta, FL 33469 561-768-0700	ARCADIS, Inc. 2081 Vista Parkway West Palm Beach, FL 33411 Bill Reese 561-697-7069 Fax 561-697-7751 wreese@arcadis-us.com	Construction of the third reverse osmosis train (1.2 MGD) in the existing 3.6 MGD R.O. Plant, equipping one of the new Floridan Aquifer wells; the addition/modification of various chemical feed systems; the addition of one degasifier and one two-stage scrubber system.	\$2,300,604.00	2011	Palm Beach
1090	Water Treatment Plant Membrane Upgrades	City of LaBelle 481 Highway 80 West LaBelle, FL 33935	Applied Technology & Management 411 Pablo Ave Jacksonville, FL 33935 Tim Taylor, 904-249-8009 Ttaylor@appliedtm.com	Construction of Nanofiltration membrane upgrades at the existing WTP; yard piping, fittings, valves and appurtenances; submersible pump station; electrical and I&C.	\$967,055.00	2010	Hendry
1085	Norwood-Oeffler WTP VOC Removal	City of North Miami Beach 17011 NE 19th Ave North Miami Beach, FL 33162 Karl C. Thompson P.E. 305-787-6049 Fax 305-957-3502 karl.thompson@citynmb.com	Malcolm Pirnie 8201 Peter Road, Ste 3400 Plantation, FL 33324 Vandin Calitu, 954-712-4213 vcalitu@pirnie.com	Installation of new third tray aeration unit; relocate two existing Carbonair tray aeration units; yard piping; fittings, valves and appurtenances for inlet and outlet piping to carbonair units; install antiscalant system; removal of existing lime system equipment and installation of new lime system equipment; new degasifiers for nanofiltration system; rehab of existing aquifer wells; electrical and I&C. 36" DIP & PVC	\$3,822,015.00	2011	Miami Dade
1080	Pompano Beach Chemical Storage Facility	City of Pompano Beach 100 West Atlantic Blvd Pompano Beach, FL 33060 954-786-4600	CDM 6365 N.W. 6th Way Ft. Lauderdale, FL 33309 John Chandler, 954-770-7471 chandlerjs@cdm.com	Enclose existing ammonia bulk storage tanks, demolish and remove existing gas chlorination system, install new bulk sodium hypochlorite feed system.	\$3,428,710.00	2011	Broward
1070	Vero Beach Storage Reservoir and Injection Well Pump Station	City of Vero Beach 3455 Airport West Drive Vero Beach, FL 32960	ARCADIS, Inc. 2081 Vista Parkway West Palm Beach, FL 33411 Bill Reese 561-697-7069 Fax 561-697-7751 wreese@arcadis-us.com	Construction of a 3MG pre-stress concrete storage reservoir, injection well pump station and related appurtenances.	\$2,694,375.00	2011	Indian River
1065	Boca Raton Reclaimed Water Storage & Pumping Facility	City of Boca Raton 201 W. Palmetto Park Road Boca Raton, FL 33432 Chris Helfrich, P.E. 561-338-7303 Fax 561-338-7345 chelfrich@ci.boca-raton.fl.us	Mathews Consulting, Inc. 477 S. Rosemary Ave, Ste 330 West Palm Beach, FL 33401 Rene Mathews 561-655-6175 Fax 561-655-6179 rmathews@mathewsconsultinginc.com	Construct a Reclaimed Water Pump Station, 5 MG Reclaimed Water Ground Storage Tank, 1,100 LF of 24" WM; 1,040 LF of 16" Reclaimed Water Mains, 370 LF of 6" Water Main, 2,140 LF of 4" Force Main	\$3,914,909.00	2010	Palm Beach
1060	3C Potable Water Storage Tank	Broward County 115 South Andrews Ave Ft. Lauderdale, FL 33301 Bob Leonard 954-831-0969 Fax: 954-831-0798 BLEONARD@broward.org	Hazen and Sawyer, PC 4000 Hollywood Blvd., Suite 750 N Hollywood, FL 33021 Merle Medina 954-987-0066 Fax 954-987-2949 mmedina@hazenandsawyer.com	Construct a new high service pump station / chemical / generator building and yard piping. Demolition and removal of all the abandoned equipment, existing filters tanks, softener tanks, control building, lime silo and foundations.	\$4,382,700.00	2011	Broward

**Florida Design Contractors
Project Experience**

1055	DeLand 1.0 MGD ASR System & Chemical Bldg	City of DeLand 1102 S. Garfield Ave DeLand, FL 32724 Kieth D. Riger, P.E. 386-626-7197 Fax 386-736-5366 rigerk@deland.org	Entrix Michael Waldron 1035 State Road 7, Ste 315-20 Wellington, FL 33414 561-791-6912 Fax 561-791-6915 mwaldron@entrinx.com	Construct a 1.0 MGD Aquifer Storage and Recovery System, including one vertical turbine well pump, four chemical storage and feed systems, chemical building, one connection to the existing City of DeLand Potable Water System.	\$1,135,984.00	2010	Volusia
1050	Lehigh Acres WWTP Reclaimed Water Storage, Pumping, and Deep Injection Well Conveyance System	Florida Governmental Utility Authority 280 Wekiva Springs Road, Suite 2000 Longwood, FL 32779 Art Dacre, 407-629-6900	PBS&J 482 South Keller Road Orlando, FL 32810 Brad McMahan, PE 407-647-7275 Fax 407-647-0595 bsmcmahan@pbsj.com	Partial abandonment of existing sludge drying beds, sludge piping, gravity piping and the installation of reclaimed water storage, pumping, transmission piping, valves, meters and connection to existing lines and wells.	\$2,066,100.00	2009	Lee
1045	Port St. Lucie Midport Pump Station Improvements	City of Port St. Lucie 121 SW Port St. Lucie Boulevard Port St. Lucie, FL 34984 Rich Schoenborn 772-873-6400 Fax 772-873-6433 rschoenborn@cityofpsl.com	Reiss Environmental, Inc. 12001 Research Parkway, Ste 228 Orlando, FL 32826 Mark Worsham 407-679-5358 Fax 407-679-5003 mkworsham@reisseng.com	Addition of a 2.0 MGD ground storage tank, the addition of high service pumping equipment, the addition of a new control system, and the installation of all associated piping and electrics. Replacement of the emergency generator and ATS, the generator diesel fuel storage tank, a hydropneumatic tank and chlorine/ammonia building and chemical feed system.	\$2,077,650.00	2009	St. Lucie
1040	Jupiter Hills Country Club	Jupiter Hills Club 11800 SE Hills Club Terrace Tequesta, FL 33469	Gerhardt M. Witt And Associates 1495 Forest Hill Blvd. Suite F West Palm Beach, FL 33406 Gerhardt Witt, 561-642-9923 GMWA@bellsouth.net	Installation of golf course irrigation recharge water system. Includes 12 shallow wells, well pumps, pump control system and transmission mainline to onsite lakes.	\$1,012,301.50	2009	Palm Beach
1035	Seacoast Floridan Wellhead F-2	Seacoast Utility Authority 4200 Hood Road Palm Beach Gardens, FL 33410 Rim Bishop, 561-627-2900	Kimley-Horn & Associates, Inc. 10521 SW Village Center Drive, #103 Port St. Lucie, FL 34987 Mark Miller, 772-345-3800 mark.miller@kimley-horn.com	Furnish all labor and materials necessary to construct one wellhead, pump assembly, and frac tank assembly for Floridan well #f-2.	\$710,140.95	2009	Palm Beach
1030	Hillsboro Water Storage Tank and Administration Building	City of Coconut Creek 1800 West Copans Road Coconut Creek, FL 33063 Carlo Nuesa, 954-956-1545	Malcolm Pirnie 8201 Peter Road, Ste 3400 Plantation, FL 33324 Vandin Calitu, 954-712-4213	Construction of new 2-Story Admin., Bldg., Pump Bldg., 2.0 MGD prestress concrete finished water reservoir.	\$5,675,325.00	2009	Broward
1025	Southern Region Water Reclamation Facility Short Term Odor Control Improvements	Palm Beach County Water Utilities Dept. 8100 Forest Hill Blvd. West Palm Beach, FL 33416 Stephen McGrew, PE, 561-493-6110 Fax 561-493-6113 smcgrew@pbcwater.com	Jordan, Jones & Goulding, Inc. 3300 PGA Blvd, Ste 780 Palm Beach Gardens, FL 33416 Bud Gobisch, PE, 561-799-3855	Furnish and install new odor scrubbers, chemical feed piping, chemical pumps, and fiberglass piping with appurtenances	\$2,054,701.00	2008	Palm Beach
1015	Yankee Lake WRF PH 1 Improvements & Greenwood Lakes WWTF Biosolids Dewatering Improvements	Seminole County 1301 E. First Street Sanford, FL 32771 Carol Hunter, 407-665-2000 Fax 407-665-2019 chunter@seminolecountyfl.gov	AECOM Technical Services, Inc. (FKA AECOM) 320 E. South Street Orlando, FL 32801	Upgrading to 3.5 MGD, new equalization basin & pump station; construct modifications to existing fermentation basins; replace existing slide gates in biological process; replace existing diffusers; new sludge transfer pump station, four new submersible mixers; construct new biosolids dewatering building; new filtrate return pump station. 36", 30" & 24" DIP	\$9,768,661.00	2009	Seminole
1010	Abacoa Generator Building, Surficial Wellheads 39 - 47 and Electrical Improvements	Town of Jupiter Utilities 210 Military Trail Jupiter, FL 33458 Amanda Barnes 561-741-2537 Fax 561-747-5634 AmandaB@jupiter.fl.us	Hazen & Sawyer 2101 Corporate Blvd., D16 Boca Raton, FL 33431 Robert Taylor, 561-997-8070	Construction of new 1,685 sq.ft. generator bldg., three surficial aquifer wells, 650 kw engine generator sys, 5,000 gallon above ground fuel storage tank, submersible pumps.	\$2,740,191.00	2008	Palm Beach
1005	WTP High Service Pump #4 Replacement	Town of Manalapan 600 Ocean Boulevard Manalapan, FL 33462	Mock Roos & Associates 5720 Corporate Way West Palm Beach, FL 33407 Henry Glaus, 561-683-3113	Replacement of High Service Pump and Pump Controls for High Service Pumps	\$27,990.00	2007	Palm Beach

**Florida Design Contractors
Project Experience**

1000	Village of Tequesta Water Treatment Plant Expansion	Village of Tequesta 901 N. Old Dixie Highway Tequesta, FL 33469 Roy Fallon, 561-575-6235	ARCADIS, Inc. 2081 Vista Parkway West Palm Beach, FL 33411 Bill Reese 561-697-7069 Fax 561-697-7751 wreese@arcadis-us.com	Construction of the second RO train (1.2 MGD), equipping one of the new Florida Aquifer wells, conversion from gas to bulk liquid chlorine & related appurtenant items.	\$2,572,000.00	2007	Palm Beach
995	Big Cypress Wastewater Treatment Plant	Seminole Tribe of Florida 6300 Stirling Road Hollywood, FL 33024	Metcalf and Eddy 13450 West Sunrise Blvd, Ste 200 Sunrise, FL 33323 Rich Ulkus, 954-745-7200	Install concrete mods to influent pump station; install plant drain pump station; install utility pump station concrete structure walls, slab & foundation; install mechanical piping for filter and owner supplied equipment, chemical piping and blower piping to owner supplied equipment.	\$2,449,781.00	2008	Glades
985	Riviera Beach Filter Rehab	City of Riviera Beach 600 West Blue Heron Blvd Riviera Beach, FL 33419 Ed Sierra	City of Riviera Beach 600 West Blue Heron Blvd Riviera Beach, FL 33419 Ed Sierra	Filters 1 thru 8 rehab removal and replace media filter block replacement, disinfection and star-up.	\$147,037.00	2006	Palm Beach
975	Hollywood Seminole Indian Reservation - Water Treatment Facility	Seminole Tribe of Florida 6300 Stirling Road Hollywood, FL 33024	Metcalf and Eddy 13450 West Sunrise Blvd, Ste 200 Sunrise, FL 33323 Rich Ulkus, 954-745-7200	Mechanical Contractor subcontracted to engineer for installation of all mechanical equipment. Including water supply wells, aeration tower, nanofiltration, RO treatment equipment and all chemical piping.	\$2,260,000.00	2008	Broward
970	Seacoast Water System Improvements	Seacoast Utility Authority 4200 Hood Road Palm Beach Gardens, FL 33410 Rim Bishop, 561-627-2900	Mock Roos & Associates 5720 Corporate Way West Palm Beach, FL 33407 Henry Glaus, 561-683-3113	Construction of underground water piping, site improvements, high service pump modifications, 5MG WST, Electrical, I&C.	\$4,840,222.00	2007	Palm Beach
955	Wellhead Equipment for Floridian Aquifer Well No F-1 and F-2	City of Lake Worth 1900 Second Ave North Lake Worth, FL 33461	Mock Roos & Associates 5720 Corporate Way West Palm Beach, FL 33407 John Leemon, 561-683-3113 john.leemon@mockroos.com	Construction of two separate Floridian well sites. Electrical control buildings, back-up generators, site work , testing and start-up.	\$1,282,131.00	2007	Palm Beach
950	Stuart Wastewater Treatment Facility Capital Improvements	City of Stuart, Public Works Department 121 SW Flagler Ave Stuart, FL 34994 David Peters, Asst. Public Works Dir. 772-260-9615 Fax 772-781-7620 dpeters@ci.stuart.fl.us	Brown Caldwell 850 Trafalgar Court, Ste 300 Maitland, FL 32751 June Smith, 407-661-9593	Construction of an anaerobic selector zone and fine bubble diffused aeration; modifications to the existing Influent Pump Station; installation of weir washer sys and air lift system at Secondary Clarifiers; Installation of three manual telescoping valve.	\$4,327,408.00	2008	Martin
945	Jupiter Surficial Well Rehab	Town of Jupiter Utilities 210 Military Trail Jupiter, FL 33458 Amanda Barnes 561-741-2537 Fax 561-747-5634 amandab@jupiter.fl.us	Town of Jupiter Utilities 210 Military Trail Jupiter, FL 33458 Amanda Barnes, 561-741-2537	Rehabilitation of existing well field. Repair and replace pumps and motors as needed after rehabilitation. Disinfect wells and return to service. 12 million gallon per day well field. 54 wells total	\$620,834.00	2009	Palm Beach
935	Brighton Indian Reservation Water Treatment Plant	Seminole Tribe of Florida 6300 Sterling Road Hollywood, FL 33024	Metcalf and Eddy 13450 West Sunrise Blvd, Ste 200 Sunrise, FL 33323	Mechanical Contractor subcontracted to engineer for installation of all mechanical equipment. Including water supply wells, aeration tower, nanofiltration, RO treatment equipment and al chemical piping.	\$3,478,000.86	2008	Okeechobee
930	South County Transfer Station - Phase 2 site Improvements	Solid Waste Authority 7501 North Jog Road West Palm Beach, FL 33412	RCT Engineering, Inc. 701 Northpoint Parkway, Ste 310 West Palm Beach, FL 33407 Jose Huertas, 561-684-7534	Site work modifications to improve drainage and containment of leachate and chemicals brought to the transfer station. Included seven hundred foot retaining wall, landscaping and drainage improvements. Chemical containment buildings with alarm controls.	\$1,809,960.00	2007	Palm Beach
925	Regional Center Irrigation System	Northern Palm Beach County Improvement District 357 Hiatt Drive Palm Beach Gardens, FL 33418	SFRN, Inc. 1201 Belvedere Road West Palm Beach, FL 33405	Installation of computer central and field controls used to monitor water usage for the district.	\$383,540.00	2005	Palm Beach
900	Manalapan RO Concentrate Transmission Line	Town of Manalapan 600 Ocean Boulevard Manalapan, FL 33462	Mock Roos & Associates 5720 Corporate Way West Palm Beach, FL 33407 Henry Glaus, 561-683-3113	Installation of piping to transfer effluent RO water across the intercoastal to a well drilled on the coastline.	\$176,432.47	2006	Palm Beach

**Florida Design Contractors
Project Experience**

895	SUA Roof Repair	Seacoast Utility Authority 4200 Hood Road Palm Beach Gardens, FL 33410 Rim Bishop, 561-627-2900	LBFH, Inc. 3550 SW Corporate Parkway Palm City, FL 34990 David Xavier 772-286-3883	Roof Repairs at the WWTP & master Lift Station #54 after hurricane damage.	\$162,373.00	2006	Palm Beach
880	City of Lauderdale Hill Well Replacement Well No. 8	City of Lauderdale Hill 2000 City Hall Drive Lauderdale Hill, FL 33313	Gerhardt M. Witt & Assoc. 1495 Forest Hill Blvd., Ste F West Palm Beach, FL 33406 Gerhardt Witt, 561-642-9923	Installation of domestic water well, pumps, piping, site work and electrical controls. 200 LF of 12" DIP	\$641,675.00	2006	Broward
875	South Martin Regional Utility General Repairs & Improvements	Town of Jupiter Utilities 210 Military Trail Jupiter, FL 33458 Amanda Barnes, 561-741-2537 AmandaB@jupiter.fl.us	Kimley-Horn & Associates, Inc. 4431 Embarcadero Drive West Palm Beach, FL 33407 Kevin Schanen, PE, 561-845-0665	Modifications to the WWTP including 3-200HP blowers, aeration piping, remove existing aerator, modification to anaerobic selector zone with mixing of multi-zone diffused aeration system, and modification to controls system.	\$461,588.57	2005	Palm Beach
870	Western Service Area Storage & Repump Bldg	South Martin Regional Utilities 9000 Athena Street, Hobe Sound, FL 33475	Town of Jupiter Utilities 210 Military Trail Jupiter, FL 33458 Amanda Barnes, 561-741-2537	Construct new repump station bldg., emergency generator, sitework, high service pumps, outfit 3 RO wells, electrical, I&C.	\$2,942,836.00	2005	Palm Beach
855	David B. Lee WWTP Phase III Rehabilitation	City of Melbourne East Strawbridge Ave Melbourne, FL 32901 608-7062 Fax 321-608-7070	900 Cross Environmental Services, Inc. 3500 Aloma Ave, Ste F9 Winter Park, FL 32792 Ted Chapman, 407-679-1771	Installation of the influent riser pipe system; install the 20-inch to 24-inch influent pipe tie in.	\$179,268.50	2005	Brevard
850	Central Blvd High Service Pump Station		Town of Jupiter Utilities 210 Military Trail Jupiter, FL 33458 Amanda Barnes, 561-741-2537	Construct new repump station bldg., emergency generator, sitework, high service pumps, electrical, I&C.	\$2,081,087.00	2005	Palm Beach
830	SWA Industrial Supply Well System Improvements	Solid Waste Authority 7501 North Jog Road West Palm Beach, FL 33412	Camp, Dresser & McKee, Inc 1601 Belvedere Road, Ste 2111 S West Palm Beach, FL 33406 Kevin Leo 561-689-3336	Installation of seven additional wells to provide cooling water to the plant. Pumps, hydro-pneumatic tank, controls, extensive piping and sitework. Control linked to the existing system.	\$2,657,870.00	2005	Palm Beach
825	St. Lucie County Correction Center WW Screen	St. Lucie County 2300 Virginia Ave Ft. Pierce, FL 34982 Jerry Parenteau, 772-462-2567	Hazen & Sawyer 1905 S. 25th Street, #103 Ft. Pierce, FL 34947 Joseph Franko, 772-489-0066	Installation of grinder system at the lift station for the correctional center.	\$142,394.00	2004	St. Lucie
820	Tamarac WTP Disinfection System Improvements	City of Tamarac 7525 NW 88th Ave, Room 108 Tamarac, FL 33321 Keith Glatz, 954-597-3570	Mathews Consulting, Inc. 477 S. Rosemary Ave, Ste 330 West Palm Beach, FL 33401 Rene Mathews 561-655-6175 Fax 561-655-6179 rmathews@mathewsconsultinginc.com	Sodium Hypochloride generator installation and associated storage tanks, containment areas and demolition of the existing gas system.	\$1,436,350.00	2005	Broward
815	Boynton Beach West Wellfield Development	City of Boynton Beach 100 E. Boynton Beach Blvd. Boynton Beach, FL 33425	Metcalf and Eddy 301 Clematis Street West Palm Beach, FL 33401 Jim Penkosky 954-450-5159	Completing an expansion program for the western wellfield. Installation of pumps, controls and various piping modifications.	\$912,513.00	2005	Palm Beach
805	Coral Springs Raw Water Well 11	City of Coral Springs 9551 West Sample Road Coral Springs, FL 33065 Art Resnik, 954-344-1100	Eckler Engineering, Inc. 4700 Riverside Drive, Ste 110 Coral Springs, FL 33067 Doug Hammond, 954-510-4700	Additional water supply well, controls, transmission main and site work.	\$308,920.00	2005	Broward
775	Five Ash Well Abandonment & Relocation Phase 2	City of Ft. Lauderdale 100 N. Andrews Ave Ft. Lauderdale, FL 33301 W & WW Capital Improvements 954-522-2604 Fax 954-522-7971	Hazen and Sawyer Hollywood Blvd Hollywood, FL 33021 Furlock w/CH2M Hill 1715	400 Construction of five (5) raw water well sites that included VTP's piping, cmu pump house, I&C w/RTU" system, 630 LF 20" DIP; 820' 16" DIP	\$2,053,433.39	2005	Broward
770	Lantana WTP Process Improvements	Town of Lantana 500 Greynolds Circle Lantana, FL 33462 561-540-5000	Mathews Consulting, Inc. 477 S. Rosemary Ave, Ste 330 West Palm Beach, FL 33401 Rene Mathews 561-655-6175 Fax 561-655-6179 rmathews@mathewsconsultinginc.com	Modifications to an existing water treatment plant. Including gravel filters, ion exchange, chemical injection systems, generator, control building, excavation of backwash pond and associated site work. Complete demolition of existing plant after commissioning.	\$2,232,800.00	2005	Palm Beach

**Florida Design Contractors
Project Experience**

765	Jupiter RO WTP Motor Control Center Variable Frequency Drive Replacement & Cooling Improvements	Town of Jupiter Utilities 210 Military Trail Jupiter, FL 33458 Amanda Barnes 561-741-2537 Fax 561-747-5634 AmandaB@jupiter.fl.us	Town of Jupiter Utilities 210 Military Trail Jupiter, FL 33458 Amanda Barnes 561-741-2537 Fax 561-747-5634 AmandaB@jupiter.fl.us	Demolition and replacement of HVAC system, generator exhaust duct. Installation of packaged hermetic water-cooled condensing units, pumps, heat exchangers, FRP exhausters. VFD's and electrical modifications.	\$1,210,974.34	2004	Palm Beach
755	Village of Wellington, Reclaim Water & Disinfection	Village of Wellington 14000 Greenbriar Boulevard Wellington, FL 33414 Ed Wasielewski, 561-753-2462	Reese Macon & Associates 6415 Lake Worth Road Lake Worth, FL 33463 Bill Reese, 561-697-7069 wreese@arcadis-us.com	Installation of the first phase (1.0 MGD) of a reclaimed water treatment facility. The project includes filters and chlorine contact basin, materials & equipment including filter systems, backwash & dosing pumps, instrumentation and electrical system	\$1,483,061.00	2004	Palm Beach
715	Town of Jupiter 8.0 MG Prestress Water Storage Tank	Town of Jupiter Utilities 210 Military Trail Jupiter, FL 33458 Amanda Barnes, 561-741-2537	Town of Jupiter Utilities 210 Military Trail Jupiter, FL 33458 Amanda Barnes, 561-741-2537	Construct underground piping and 8 MGD Water Storage Tank. 2000 sq. ft. Control building, High Service Pumps, transmission mainline and associated site work. System upgrades included retrofitting of existing Floridian wells and well controls.	\$302,466.00	2003	Palm Beach

Projects Highlighted in color are those that represent a similar type project. No two projects are alike but they are relative in nature.



ADDENDA



ADDENDUM TO ITB DOCUMENTS

SOLICITATION ITB 2014-03 NORWOOD WATER TREATMENT PLANT FILTER REHABILITATION PROJECT

Addendum No. 1 **OPENING DATE** 6/18/2014@10AM **TODAY'S DATE** 6/6/2014

To All Bidders:

This addendum is issued to modify the previously issued ITB documents and/or given for informational purposes, and is hereby made a part of the ITB documents. Please attach this addendum to the documents in your possession and acknowledge receipt of this addendum by signing and including this form in the response package.

CHANGES TO DOCUMENT / SPECIFICATIONS CHANGES

Section 3.0 TECHNICAL SPECIFICATIONS:

1. Delete **Page 10** in its entirety and replace with **Page 10(a)** attached herein.
2. Delete **Page 14** in its entirety and replace with **Page 14(a)** attached herein.
3. Insert **Page 14(b)** attached herein in front of **Page 15**.
4. Delete **Page 20** in its entirety and replace with **Page 20(a)** attached herein.
5. Delete **Page 25** in its entirety and replace with **Page 25(a)** attached herein.
6. Insert **Page 25(b)** attached herein in front of **Page 26**.

Changes within the above pages are reflected with underlined and bold text and strikethrough text.

RFI

Q.1: What are the dimensions for filters 1&2? There are no drawings of these 2 filters.

A.1: 12 x 18 (feet)

Reviewed by:

Chief Procurement Officer
Procurement Management Division

Acknowledged by:
<u>FLORIDA DESIGN CONTRACTORS, Inc</u>
Contractor
<u>Thomas H. Cannon</u>
Authorized Representative (Printed)
<u>President</u>
Title
<u>Thomas H. Cannon</u>
Signature
<u>6/18/2014</u>
Date

SECTION 016200 – FILTER REHABILITATION

PART 1 -- GENERAL

1.1 THE REQUIREMENT

- A. This Section generally specifies the expected rehabilitation work required for three banks of existing filters at the Norwood WTP (Filters 1-2, Filters 3-8, and Filters 9-11) and provides rehabilitation details, recommended sequence of work, and constraints to the work.
- B. The CONTRACTOR's unit prices shall be for a 5 year as-needed period.
- C. Filter rehabilitation work generally consists of the following tasks in each filter:
 - 1. Removal of the existing filter media to facilitate inspection of the existing underdrain system and structural concrete.
 - 2. Replacement of all surface wash piping with DIP, surface preparation, coating and replacement of surface wash arms and nozzles.
 - 3. Cleaning and repair of existing FRP backwash troughs and associated hardware.
 - 4. Repair of concrete cracks.
 - 4(a). Coating of interior filter walls and floor.**
 - 5. Replacement of existing filter underdrains.
 - 6. Placement of new filter media.
 - 7. Coating of the exterior filter walls.
- D. Valve replacement is not included as part of this project and will be handled separately by the City if necessary.
- E. The work to be performed under this Contract shall consist of furnishing all tools, equipment, materials, supplies and manufactured articles and for furnishing all transportation services, including fuel, power, water, and essential communications, and for the performance of all labor, work, or other operations required for the fulfillment of the Contract in strict accordance with the specifications. The work shall be complete, and all work, materials, and services not expressly shown or called for in the specifications which may be necessary for the complete and proper construction of the work in good faith shall be performed, furnished, and installed by the CONTRACTOR as though originally so specified or shown, at no increase in cost to the OWNER.

galvanized steel hardware as directed by OWNER or ENGINEER on a time and materials basis for the labor rate indicated in the bid documents.

- b. Support system including beam shall be cleaned and coated per Section 099600.

1.5 CONCRETE CRACK REPAIR

- A. Concrete Repair: Concrete cracks on the interior of filter cell walls and floor and exterior filter walls shall be repaired per Section 030130.

1.5(a) CONCRETE COATING

- A. The interior wall of the filters shall be coated per Section 099600.

1.6 UNDERDRAIN SYSTEM

- A. The CONTRACTOR shall install plastic block filter underdrains per Section 414510. CONTRACTOR and plastic block filter underdrain manufacturer shall take special note that the existing filter effluent pipe header extends above the top of the effluent flume and special accommodations will be required in the design of the filter underdrain system to accommodate water exit out of (and backwash water entry into) the filter cell. It is expected that either:
 - 1. Low profile plastic block underdrains will be utilized and a special "U" block will be required to span across the filter cell flume at a height high enough to accommodate water entry/exit into the flume.
 - 2. Low profile plastic block underdrains will be utilized along with a 4 to 5" grout layer on the filter floor to raise the elevation sufficiently to allow the plastic block filter underdrains to span across the filter flume.
 - 3. Standard profile plastic block underdrains will be utilized (without a grout layer) on the filter floor and a low-profile underdrain will be required to span across the filter cell flume at a height high enough to accommodate water entry/exit into the flume.

1.7 MEDIA

- A. Place gravel and silica sand filter media per Section 466113.
- B. Place anthracite filter media per Section 466112.

1.8 CONCRETE COATING

- A. The exterior wall of the filters shall be coated upon completion of a given bank of filters per Section 099600.

PART 2 -- PRODUCTS (NOT USED)

2.1 SURFACE WASH SYSTEM

1. Surface Wash Arms

- a. All submerged metal parts of the equipment shall be of Type 316 stainless steel, red brass, or similar corrosion-resistant material.
- b. Construction: The design of the washer shall consist of a ball bearing type center housing for each rotating arm, stabilized for vertical and horizontal bearing pressure, containing a stainless steel ball bearing assembly, packed in grease and sealed from water passageway by means of non-adjustable self-compensating Buna N guard ring seals.
- c. Nozzles: Nozzles shall be spaced to most effectively cover the filter bed area and each nozzle shall be of molded nylon, 2 inch overall length, provided with a 1/4-inch male pipe thread end, with a replaceable nylon or synthetic rubber cap. The nozzles on the arm shall be set at 15 degrees downward from the horizontal plane.

PART 3 -- EXECUTION (NOT USED)

END OF SECTION

SECTION 099600 - PROTECTIVE COATINGS

PART I -- GENERAL

1.1 THE REQUIREMENT

- A. The CONTRACTOR shall provide protective coatings for filter surface wash system piping within each filter cell, interior concrete walls and floor, and exterior concrete filter walls, complete and in place, in accordance with the Contract Documents.
- B. Definitions
 - 1. The term "paint," "coatings," or "finishes" as used herein, shall include surface treatments, emulsions, enamels, paints, epoxy resins, and other protective coatings, excepting galvanizing or anodizing, whether used as a pretreatment, primer, intermediate coat, or finish coat.
 - 2. The term "DFT" means minimum dry film thickness, without any negative tolerance.
- C. The coating system schedules summarize the surfaces to be coated, the required surface preparation, and the coating systems to be applied.
- D. Where protective coatings are to be performed by a Subcontractor, the Subcontractor shall possess a valid state license as required for performance of the painting and coating WORK called for in this specification and shall provide 5 references which show that the Subcontractor has previous successful experience with the indicated or comparable coating systems. Include the name, address, and the telephone number for the owner of each installation for which the Subcontractor provided the protective coating.

1.2 CONTRACTOR SUBMITTALS

- A. Furnish submittals in accordance with Section 013300 - Contractor Submittals.
- B. Submittals shall include the following information and be submitted at least 30 Days prior to commencing protective coating WORK:
 - 1. Materials List: Eight copies of a coating materials list showing the manufacturer and the product number, keyed to the coating systems herein. The list shall be submitted prior to or at the time of submitting samples.
 - 2. Manufacturer's Information: For each coating system to be used, the following data:
 - a. Manufacturer's data sheet for each product proposed, including statements on the suitability of the material for the intended use.
 - b. Technical and performance information that demonstrates compliance with the system performance and material requirements.

B. System 100 - Amine Cure Epoxy

1. Material

Type	high build, amine cure epoxy
VOC content, g/L max	220
Demonstrated suitable for	steel, long term immersion in water and wastewater, resistant to corrosion, chemical fumes, good color retention
Certification	NSF 61 if in contact with potable water

2. Application and manufacturers

<i>Surface Preparation</i>	Products (3 coats or more)	Total System DFT
SSPC SP10	PPG- Amercoat 133	15 to 17 mils For non-submerged valves and other equipment, DFT = 10 to 12 mils
	Carboline Carboguard 891HS	
	International Bar-Rust 233H	
	Tnemec Epoxoline Series L69	
	Sherwin Williams Macropoxy 646 PW	

C. System 108 - Polyurethane, Concrete

1. Materials

<u>Filler-sealer type</u>	<u>epoxy material with portland cement and aggregate</u>
<u>Primer type</u>	<u>Phenolicamine or polyamidoamine epoxy</u>
<u>VOC content, g/L max</u>	<u>250</u>
<u>Finish type</u>	<u>aromatic elastomeric polyurethane</u>
<u>Demonstrated suitable for</u>	<u>concrete and concrete block masonry, long term immersion in water and</u>

	<u>wastewater and service where subject to splash and spill of water and wastewater treatment chemicals</u>
<u>VOC content, g/L max</u>	<u>250</u>
<u>Certification requirement, where coating will be in contact with potable water</u>	<u>NSF 61</u>

2. Application and manufacturers

<u>Surface Preparation</u>	<u>Filler-Sealer</u>	<u>Primer</u> DFT = 3 - 7-mils	<u>Finish Coat</u> DFT = 100 - 125 mils, 75 mils for potable water
<u>SSPC SP 13/NACE 6</u> <u>(28 days old,</u> <u>protrusions removed,</u> <u>surface contamination</u> <u>removed)</u>			
	<u>Tnemec</u> <u>MortarClad</u> <u>218</u>	<u>Tnemec Pota-</u> <u>Pox LI40</u> (potable water) <u>Epoxyprime</u> <u>201</u> (wastewater)	<u>Elasto-Shield</u> <u>406 (max 75</u> <u>mils for</u> <u>potable</u> <u>water)</u>
	<u>PPG-Amerlock</u> <u>400/BF</u>	<u>Amerlock</u> <u>400/2</u>	<u>Amerlock</u> <u>490</u>
	<u>Sherwin</u> <u>Williams Steel</u> <u>Seam FT 910</u>	<u>S-W Dura-</u> <u>Plate 235</u>	<u>S-W Sherflex</u> <u>(Max 100</u> <u>mils for</u> <u>potable</u> <u>water)</u>
	<u>International</u> <u>Ceilmate 400</u> <u>Corocrete</u>	<u>Polibrid 670-S</u>	<u>Polybrid 705</u>

— ESTABLISHED 1979 —



June 25, 2014

Mr. Brian O'Connor
City of North Miami Beach
17011 NE 19th Avenue Suite 215
N. Miami Beach, FL 33162

Re: ITB 2014-03 Norwood Water Treatment Plant Filter Rehab Project

As requested, enclosed is the 5% bid bond covering work on filters 4, 6 and 8 as per Christina Semeraro's e-mail dated June 23, 2014. Also attached is a copy of our GC license. Please advise should you require additional information.

Regards,

A handwritten signature in blue ink, appearing to read "Thomas Clarke", is written over a light blue horizontal line.

Thomas Clarke
President

5.11 BID BOND

KNOW ALL MEN BY THESE PRESENTS,

THAT Florida Design Contractors, Inc. as Principal,
and Berkley Insurance Company as Surety,

are held and firmly bound unto City of North Miami Beach

Hereinafter called "Owner," in the sum of Five Percent of Amount Bid-----

----- dollars, for the payment of which sum, well and (not less than 5 percent of the total amount of the bid)

truly to be made, we bind ourselves, our heirs, executors, administrators, successors, and assigns, jointly and severally, firmly by these presents.

WHEREAS, said Principal has submitted a bid to said Owner to perform all work required under the Bid Form(s)

Owner's Contract Documents entitled

"ITB No. 2014-03 Norwood Water Treatment Plant Filter Rehabilitation Project"
FOR FILTERS 4, 6 and 8 w/ per D. Semeraro email of 6/23/14

NOW THEREFORE, if said Principal is awarded a Contract by said Owner and, within the time and in the manner required under the heading "Instructions to Bidders" bond with said contract Documents, enters into a written Contract of the form of agreement bound with said Contract Documents and furnishes the required bonds, one to guarantee faithful performance and the other to guarantee payment for labor and material, then this obligation shall be null and void, otherwise it shall remain in full force and effect. In the event suit is brought upon this bond by said Owner and judgment is recovered, said Surety shall pay all costs incurred by said Owner in such suit, including a reasonable attorney's fee to be fixed by the court.

SIGNED AND SEALED, this 27th day of June, 2014.

Florida Design Contractors, Inc. (SEAL)
(Principal)

By: *Thomas H. Clarke*
(Signature) Thomas H. Clarke, President

Berkley Insurance Company (SEAL)
(Surety)

By: *D. Michael Stevens*
(Signature) D. Michael Stevens, Attorney-in-fact

(SEAL AND NOTARIAL ACKNOWLEDGEMENT OF SURETY)

POWER OF ATTORNEY
 BERKLEY INSURANCE COMPANY
 WILMINGTON, DELAWARE

NOTICE: The warning found elsewhere in this Power of Attorney affects the validity thereof. Please review carefully.

KNOW ALL MEN BY THESE PRESENTS, that BERKLEY INSURANCE COMPANY (the "Company"), a corporation duly organized and existing under the laws of the State of Delaware, having its principal office in Greenwich, CT, has made, constituted and appointed, and does by these presents make, constitute and appoint: *Don A. Lambert, Jr. or D. Michael Stevens of Collinsworth, Alter, Lambert, LLC of Jupiter, FL* its true and lawful Attorney-in-Fact, to sign its name as surety only as delineated below and to execute, seal, acknowledge and deliver any and all bonds and undertakings, with the exception of Financial Guaranty Insurance, providing that no single obligation shall exceed **Fifty Million and 00/100 U.S. Dollars (U.S.\$50,000,000.00)**, to the same extent as if such bonds had been duly executed and acknowledged by the regularly elected officers of the Company at its principal office in their own proper persons.

This Power of Attorney shall be construed and enforced in accordance with, and governed by, the laws of the State of Delaware, without giving effect to the principles of conflicts of laws thereof. This Power of Attorney is granted pursuant to the following resolutions which were duly and validly adopted at a meeting of the Board of Directors of the Company held on January 25, 2010:

RESOLVED, that, with respect to the Surety business written by Berkley Surety Group, the Chairman of the Board, Chief Executive Officer, President or any Vice President of the Company, in conjunction with the Secretary or any Assistant Secretary are hereby authorized to execute powers of attorney authorizing and qualifying the attorney-in-fact named therein to execute bonds, undertakings, recognizances, or other suretyship obligations on behalf of the Company, and to affix the corporate seal of the Company to powers of attorney executed pursuant hereto; and said officers may remove any such attorney-in-fact and revoke any power of attorney previously granted; and further

RESOLVED, that such power of attorney limits the acts of those named therein to the bonds, undertakings, recognizances, or other suretyship obligations specifically named therein, and they have no authority to bind the Company except in the manner and to the extent therein stated; and further

RESOLVED, that such power of attorney revokes all previous powers issued on behalf of the attorney-in-fact named; and further

RESOLVED, that the signature of any authorized officer and the seal of the Company may be affixed by facsimile to any power of attorney or certification thereof authorizing the execution and delivery of any bond, undertaking, recognizance, or other suretyship obligation of the Company; and such signature and seal when so used shall have the same force and effect as though manually affixed. The Company may continue to use for the purposes herein stated the facsimile signature of any person or persons who shall have been such officer or officers of the Company, notwithstanding the fact that they may have ceased to be such at the time when such instruments shall be issued.

IN WITNESS WHEREOF, the Company has caused these presents to be signed and attested by its appropriate officers and its corporate seal hereunto affixed this 10 day of May, 2013.

Attest:
 (Seal) By [Signature]
 Ira S. Lederman
 Senior Vice President & Secretary

Berkley Insurance Company
 By [Signature]
 Jeffrey M. Hafter
 Senior Vice President

WARNING: THIS POWER INVALID IF NOT PRINTED ON BLUE "BERKLEY" SECURITY PAPER.

STATE OF CONNECTICUT)
) ss:
 COUNTY OF FAIRFIELD)

Sworn to before me, a Notary Public in the State of Connecticut, this 10 day of May, 2013, by Ira S. Lederman and Jeffrey M. Hafter who are sworn to me to be the Senior Vice President and Secretary, and the Senior Vice President, respectively, of Berkley Insurance Company.

[Signature]
 Notary Public, State of Connecticut
KATHLEEN COREY
NOTARY PUBLIC
CONNECTICUT
MY COMMISSION EXPIRES OCTOBER 31, 2017

CERTIFICATE

I, the undersigned, Assistant Secretary of BERKLEY INSURANCE COMPANY, DO HEREBY CERTIFY that the foregoing is a true, correct and complete copy of the original Power of Attorney; that said Power of Attorney has not been revoked or rescinded and that the authority of the Attorney-in-Fact set forth therein, who executed the bond or undertaking to which this Power of Attorney is attached, is in full force and effect as of this date.

Given under my hand and seal of the Company, this 27th day of June, 2014.

(Seal) [Signature]
 Andrew M. Tuma

WARNING - Any unauthorized reproduction or alteration of this document is prohibited. This power of attorney is void unless seals are readable and the certification seal at the bottom is embossed. The background imprint, warning and confirmation (on reverse) must be in blue ink.

AC# 6262867

STATE OF FLORIDA

DEPARTMENT OF BUSINESS AND PROFESSIONAL REGULATION
CONSTRUCTION INDUSTRY LICENSING BOARD

SEQ# L12081100695

DATE	BATCH NUMBER	LICENSE NBR
08/11/2012	118205883	CGC040304

The GENERAL CONTRACTOR
Named below IS CERTIFIED
Under the provisions of Chapter 489 FS.
Expiration date: AUG 31, 2014

CLARKE, THOMAS HARMAN
FLORIDA DESIGN CONTRACTORS INC
1326 S KILLIAN DR
LAKE PARK FL 33403

RICK SCOTT
GOVERNOR

KEN LAWSON
SECRETARY

DISPLAY AS REQUIRED BY LAW

**CITY OF NORTH MIAMI BEACH
 FILTER REHABILITATION
 FDC BID - INITIALED REVISIONS**

Item	Description	No. of Filters	Estimated Qty per Filter	Unit	Unit Cost	Total Cost
Mobilization						
1	Mobilization/Demobilization		4	EA	\$ 8,000.00	\$32,000.00
	Description	No. of Filters	Estimated Qty per Filter	Unit	Unit Cost	Total Cost
Base Bid Filters 3-8						
Demolition						
2	Remove Existing Media	6	60	CY	\$ 110.00	\$39,600.00
3	Remove Existing Surface Wash System	6	1	LS	\$ 2,820.00	\$16,920.00
Refurbishment						
4	Clean Backwash Troughs	6	63	LF	\$ 57.00	\$21,546.00
5	Refurbish Backwash Troughs	6	20	SI	\$ 40.00	\$4,800.00
6	Replace Existing Trough Hardware	6	3	EA	\$ 2,400.00	\$43,200.00
7	New Surface Wash Piping	6	1	LS	\$ 21,700.00	\$130,200.00
8	Surface Wash Arms and Nozzles	6	6	EA	\$ 1,500.00	\$54,000.00
9	Coatings Interior	6	1	LS	\$ 45,000.00	\$270,000.00
10	Concrete Crack Repair at Filter Cell	6	25	LF	\$ 75.00	\$11,250.00
Replace Underdrain System						
11	Demolish Existing Existing Underdrain System (3" cast iron laterials and grout encased 16" header) at Filters	6	1	LS	\$ 14,400.00	\$86,400.00
12	Install New Plastic Block Underdrain System	6	357	SF	\$ 70.00	\$149,940.00
Media						
13	2" Gravel (3/4" to 1/2")	6	60	CF	\$ 32.00	<u>\$11,520.00</u>
14	2" Gravel (1/2" to 1/4")	6	60	CF	\$ 32.00	<u>\$11,520.00</u>
15	2" Gravel (1/4" to 1/8")	6	60	CF	\$ 32.00	<u>\$11,520.00</u>
16	2" Gravel (1/8" to No. 12)	6	60	CF	\$ 32.00	<u>\$11,520.00</u>
17	12" Sand (0.45 mm to 0.55 mm)	6	357	CF	\$ 26.00	\$55,692.00
18	20" Anthracite (0.95 mm to 1.05 mm)	6	595	CF	\$ 25.00	\$89,250.00
Concrete Coatings Exterior						
19	Coat Exterior of Filters 3, 5, and 7	3	1	LS	\$ 7,500.00	\$22,500.00
20	Coat Exterior of Filters 4, 6, and 8	3	1	LS	\$ 6,500.00	\$19,500.00
Total Base Bid Filters 3-8						\$1,060,878.00
Base Bid Filters 9-11						
	Description	Filters	per Filter	Unit	Unit Cost	Total Cost

T.C.
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T.C.
T.C.

T.C.

Note: All media depths are placed depths and do not account for skimming allowances as described in Sections 466112 and 466113.

**CITY OF NORTH MIAMI BEACH
FILTER REHABILITATION
FDC BID - INITIALED REVISIONS**

			Demolition							
21			Remove Existing Media	3	60	CY	\$ 110.00		\$19,800.00	
22			Remove Existing Surface Wash System	3	1	LS	\$ 2,820.00		\$8,460.00	
			Refurbishment							
23			Clean Backwash Troughs	3	63	LF	\$ 57.00		\$10,773.00	
24			Refurbish Backwash Troughs	3	20	SI	\$ 40.00		\$2,400.00	
25			Replace Existing Trough Hardware	3	3	EA	\$ 2,400.00		\$21,600.00	
26			New Surface Wash Piping	3	1	LS	\$ 18,500.00		\$55,500.00	
27			Surface Wash Arms and Nozzles	3	6	EA	\$ 1,500.00		\$27,000.00	
28			Coatings Interior	3	1	LS	\$ 40,000.00		\$120,000.00	
29			Concrete Crack Repair at Filter Cell	3	25	LF	\$ 75.00		\$5,625.00	
			Replace Underdrain System							
30			Demolish Existing Clay Tile Block Underdrain System	3	1	LS	\$ 7,500.00		\$22,500.00	
31			Install New Plastic Block Underdrain System	3	357	SF	\$ 75.00		\$80,325.00	
			Media							
32			2" Gravel (3/4" to 1/2")	3	60	CF	\$ 38.00		<u>\$6,840.00</u>	T.C.
33			2" Gravel (1/2" to 1/4")	3	60	CF	\$ 38.00		<u>\$6,840.00</u>	T.C.
34			2" Gravel (1/4" to 1/8")	3	60	CF	\$ 38.00		<u>\$6,840.00</u>	T.C.
35			2" Gravel (1/8" to No. 12)	3	60	CF	\$ 38.00		<u>\$6,840.00</u>	T.C.
36			12" Sand (0.45 mm to 0.55 mm)	3	357	CF	\$ 30.00		\$32,130.00	
37			20" Anthracite (0.95 mm to 1.05 mm)	3	595	CF	\$ 25.00		\$44,625.00	
			Concrete Coatings Exterior							
38			Coat Exterior of Filters 9, 10, and 11	-	-	LS	\$ 10,800.00		\$10,800.00	
			Total Base Bid Filters 9-11							
									\$488,898.00	T.C.
			Base Bid Filters 1-2							
			Demolition							
39			Remove Existing Media	2	20	CY	\$ 130.00		\$5,200.00	

Note: All media depths are placed depths and do not account for skimming allowances as described in Sections 466112 and 466113.

**CITY OF NORTH MIAMI BEACH
 FILTER REHABILITATION
 FDC BID - INITIALED REVISIONS**

40		Remove Existing Surface Wash System	2	1	LS	\$ 3,000.00	\$6,000.00
		Refurbishment					
41		Clean Backwash Troughs	2	54	LF	\$ 57.00	\$6,156.00
42		Refurbish Backwash Troughs	2	20	SI	\$ 40.00	\$1,600.00
43		Replace Existing Trough Hardware	2	3	EA	\$ 2,400.00	\$14,400.00
44		New Surface Wash Piping	2	1	LS	\$ 16,500.00	\$33,000.00
45		Surface Wash Arms and Nozzles	2	6	EA	\$ 1,000.00	\$12,000.00
46		Coatings Interior	2	1	LS	\$ 25,000.00	\$50,000.00
47		Concrete Crack Repair at Filter Cell	2	25	LF	\$ 75.00	\$3,750.00
		Replace Underdrain System					
48		Remove existing Plastic Block Underdrain System	2	216	SF	\$ 25.00	\$10,800.00
49		Install New Plastic Block Underdrain System	2	216	SF	\$ 65.00	\$28,080.00
		Media					
50		2" Gravel (3/4" to 1/2")	2	36	CF	\$ 42.00	\$3,024.00
51		2" Gravel (1/2" to 1/4")	2	36	CF	\$ 42.00	\$3,024.00
52		2" Gravel (1/4" to 1/8")	2	36	CF	\$ 42.00	\$3,024.00
53		2" Gravel (1/8" to No. 12)	2	36	CF	\$ 42.00	\$3,024.00
54		12" Sand (0.45 mm to 0.55 mm)	2	216	CF	\$ 26.50	\$11,448.00
55		20" Anthracite (0.95 mm to 1.05 mm)	2	360	CF	\$ 30.00	\$21,600.00
Total Base Bid Filters 1-2							\$216,130.00
Total Base Bid Price							
Total Bid Mobilization + Total Base Bid Filters 3-8 + Total Base Bid Filters 9-11 + Total Base Bid Filters 1-2							\$1,797,906.00
Bid Alternates							
		Description	No. of Filters	Estimated Qty per Filter	Unit	Unit Cost	Total Cost
Bid Alternate 1: Filters 3-8 Rehabilitate Underdrain System							
		Underdrain					

Note: All media depths are placed depths and do not account for skimming allowances as described in Sections 466112 and 466113.

**CITY OF NORTH MIAMI BEACH
FILTER REHABILITATION
FDC BID - INITIALED REVISIONS**

A1		Labor for unforeseen 3" CIP Lateral and CIP header repair work	-	6	HR	\$ 175.00	\$1,050.00	
		Media						
A2		6" Gravel (3-1/2" to 2-1/2")	6	179	CF	\$ 28.50	\$30,609.00	T.C.
A3		4" Gravel (2-1/2" to 2")	6	119	CF	\$ 27.50	\$19,635.00	
A4		5" Gravel (1-1/2" to 3/4")	6	149	CF	\$ 27.50	\$24,585.00	T.C.
A5		4" Gravel (3/4" to 1/4")	6	119	CF	\$ 27.00	\$19,278.00	
A6		3" Gravel (1/4" to No. 12)	6	89	CF	\$ 27.00	\$14,418.00	T.C.
A7		12" Sand (0.45 mm to 0.55 mm)	6	357	CF	\$ 23.00	\$49,266.00	
A8		20" Anthracite (0.95 mm to 1.05 mm)	6	595	CF	\$ 26.00	\$92,820.00	
Total Bid Alternate 1							\$251,661.00	T.C.
Bid Alternate 2, Filters 9-11 - Rehabilitate Underdrain System								
		Underdrain						
A9		Labor for unforeseen Clay Tile Block Underdrain repair work	-	6	HR	\$ 150.00	\$900.00	
		Media						
A10		3" Gravel (3-1/2" to 2-1/2")	3	89	CF	\$ 27.00	\$7,209.00	T.C.
A11		3" Gravel (2-1/2" to 2")	3	89	CF	\$ 27.00	\$7,209.00	T.C.
A12		2" Gravel (1-1/2" to 3/4")	3	60	CF	\$ 27.00	\$4,860.00	T.C.
A13		2" Gravel (3/4" to 1/4")	3	60	CF	\$ 27.00	\$4,860.00	T.C.
A14		2" Gravel (1/4" to No. 12)	3	60	CF	\$ 27.00	\$4,860.00	T.C.
A15		12" Sand (0.45 mm to 0.55 mm)	3	357	CF	\$ 24.00	\$25,704.00	
A16		20" Anthracite (0.95 mm to 1.05 mm)	3	595	CF	\$ 26.00	\$46,410.00	
Total Bid Alternate 2							\$102,012.00	T.C.
Bid Alternate 3, Filters 1-2 Rehabilitate Underdrain System								
		Underdrain						
A17		Labor for unforeseen Plastic Block Underdrain repair work	-	6	HR	\$ 150.00	\$900.00	
A18		Remove IMS Cap from Underdrain Blocks	2	216	SF	\$ 10.00	\$4,320.00	
		Media						
A19		2" Gravel (3/4" to 1/2")	2	36	CF	\$ 61.00	\$4,392.00	
A20		2" Gravel (1/2" to 1/4")	2	36	CF	\$ 61.00	\$4,392.00	
A21		2" Gravel (1/4" to 1/8")	2	36	CF	\$ 61.00	\$4,392.00	
A22		2" Gravel (1/8" to No. 12)	2	36	CF	\$ 61.00	\$4,392.00	
A23		12" Sand (0.45 mm to 0.55 mm)	2	216	CF	\$ 26.00	\$11,232.00	
A24		20" Anthracite (0.95 mm to 1.05 mm)	2	360	CF	\$ 38.00	\$27,360.00	
Total Bid Alternate 3							\$61,380.00	
Total Alternate Bid Price								
Total Alternate Bid: Bid Alternate 1 + Bid Alternate 2 + Bid Alternate 3							\$415,053.00	T.C.

Note: All media depths are placed depths and do not account for skimming allowances as described in Sections 466112 and 466113.