

Council
Bob Margolis, Mayor
John Greene, Vice Mayor
Matt Willhite, Councilman
Anne Gerwig, Councilwoman
John T. McGovern, Councilman

Manager
Paul Schofield

ITB No. 017-15/DZ

Title: Wellfield Rehabilitation and Maintenance

Bid Opening Date: November 12, 2015 at 2:00pm

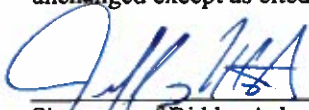
Addendum Date: November 10, 2015

ADDENDUM NO. ONE

PURPOSE: The purpose of this Addendum/NOTICE is to make changes, additions, deletions, revisions, and clarifications to the (ITB) Invitation to Bid documents for Wellfield Rehabilitation and Maintenance. Bidder shall review the Addendum/NOTICE work and requirements in detail and incorporate any effects the Addendum/NOTICE may have in their proposal price.

1. The Village of Wellington may award a contract to a primary and a secondary bidder.

ACKNOWLEDGEMENT: Bidder must acknowledge receipt of any and all Addenda in the space provided on the Bidder Submittal Form. Failure to do so may result in rejection of the Proposal. All requirements of the proposal documents remain unchanged except as cited herein.



Signature of Bidder Acknowledging Receipt of
Addendum No. (1) One to be attached in front of Bid

BID PROPOSAL CHECKLIST

Please submit your proposal in this order

- YES ☒ NO ☐ 1. Bid submittal – one (1) original and one (1) PDF (CD or flash drive) Copy
- YES ☒ NO ☐ 2. Bid Form signed by authorized representative
- YES ☒ NO ☐ 3. Acknowledgment of addendums
- YES ☒ NO ☐ 5. Schedule of Value
- YES ☒ NO ☐ 6. Schedule of Subcontractor/Supplies
- YES ☒ NO ☐ 7. Schedule of Equipment and Materials
- YES ☒ NO ☐ 8. Sworn Statement under Section 287.133(3) (a)
- YES ☒ NO ☐ 9. Drug Free Workplace
- YES ☒ NO ☐ 10. Trench Safety Affidavit
- YES ☒ NO ☐ 11. Questionnaire
- YES ☒ NO ☐ 12. References per Section 01001 – General Requirements
- YES ☒ NO ☐ 13. Insurance Certificates
- YES ☒ NO ☐ 14. Copy of Appropriate Licenses (Business, Aqua Freed and SFWMD Florida Well Contractor)
- YES ☒ NO ☐ 15. Proof of Workers Compensation Insurance/Workers Compensation Exemption Affidavit
- YES ☒ NO ☐ 16. Local Preference Affidavit
- YES ☒ NO ☐ 17. Conflict of Interest Statement
- YES ☒ NO ☐ 18. Non-Collusion Affidavit
- YES ☒ NO ☐ 19. Provide all documentation/evidence required by Section 01001 – General Requirements

BID ACKNOWLEDGEMENT COVER PAGE

SUBMIT BIDS TO:
Wellington
Attn: Clerk's Office
12300 Forest Hill Blvd
Wellington, FL 33414

REFER ALL INQUIRIES TO PRIMARY CONTACT:
Purchasing Division
12300 Forest Hill Blvd
Wellington, FL 33414
Ph:(561) 791-4107 Fax: (561) 904-5817

Wellington INVITATION TO BID

BID TITLE:
Wellfield Rehabilitation and Maintenance Contract

BID NO:
017-15/DZ

NAME OF FIRM, ENTITY, or ORGANIZATION:
Florida Design Drilling Corp.

NAME OF CONTACT PERSON

Jeffrey Holst

VENDOR MAILING ADDRESS:

7733 Hooper Road

CITY:

West Palm Beach 33411

ZIP:

STATE:

FL

TITLE

Vice President

VENDOR HEADQUARTERS ADDRESS (IF DIFFERENT):

CITY:

ZIP:

STATE:

PHONE NUMBER:

561-844-2966

FEDERAL EMPLOYER IDENTIFICATION NUMBER (EIN):

20-2779560

EMAIL ADDRESS:

jeff@fldrilling.com

STATE OF FLORIDA BUSINESS LICENSE NUMBER (IF APPLICABLE)

WWC11148
CGC1522104

FAX NUMBER:

561-844-2967

ORGANIZATIONAL STRUCTURE (Please Check One):

Corporation ☒

Partnership ☐

PROPRIETORSHIP ☐

Joint Venture ☐

Other ☐

If Corporation, please provide the following:

(A)

Country of Incorporation:

Month / Day / Year

Date of Incorporation: 2005

(B) State or
Florida

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 terms and conditions of this bid and certify that I am authorized to sign this bid for the bidder and that the bidder is in compliance with all requirements of the Invitation to Bid, including but not limited to, certification requirements.



Jeffrey Holst

Vice President

AUTHORIZED SIGNATURE (MANUAL)

AUTHORIZED SIGNATURE (PRINT OR TYPED)

TITLE (PRINT OR TYPED)

BID FORM

(FAILURE TO COMPLETE THIS FORM MAY RESULT IN THE BID BEING DECLARED NON-RESPONSIVE)

PROJECT: **Wellfield Rehabilitation and Maintenance**

Date: 11/12/15

BIDDER: Florida Design Drilling Corp.

THIS BID IS SUBMITTED TO:

Wellington
Clerk's Office
12300 Forest Hill Boulevard
Wellington, FL 33414

1. The undersigned BIDDER proposes and agrees, if this Bid is accepted, to enter into an Agreement with OWNER in the form included in the Contract Documents to perform and furnish all Work as specified or indicated in the Contract Documents for the Contract Price and within the Contract Time indicated in this Bid and in accordance with the other terms and conditions of the Contract Documents.
2. BIDDER accepts all of the terms and conditions of the Advertisement or Invitation to Bid and Instructions to Bidders, including without limitation those dealing with the disposition of Bid security. This Bid will remain subject to acceptance for 120 days after the posting of the recommended award. BIDDER will sign and submit the Agreement and other documents required by the Bidding Requirements within 15 days after the date of OWNER'S Notice of Award.
3. In submitting this Bid, BIDDER represents, as more fully set forth in the Agreement, that:

(a) BIDDER has examined copies of all the Bidding Documents and of the following Addenda (receipt of all which is hereby acknowledged):

Date <u>10/10/15</u>	Addenda Number <u>1</u>
Date _____	Addenda Number _____
Date _____	Addenda Number _____

(b) BIDDER has familiarized itself with the nature and extent of the Contract Documents, Work, Site, locality, and all local conditions, Laws, and Regulations that in any manner may affect cost, progress, performance, or furnishing of the Work.

(c) BIDDER has studied carefully all reports and drawings of subsurface conditions and drawings of physical conditions which, if any, are attached to the Contract Documents, as provided in Paragraph 4.02 of the General Conditions, and accepts the determination as set forth in the Bidding Documents of the extent of the technical data contained in such reports and drawings upon which BIDDER is entitled to rely.

(d) BIDDER has obtained and carefully studied (or assumes responsibility for obtaining and carefully studying) all such examinations, investigations, explorations, tests and studies (in addition to or to supplement those referred to in (c) above) which pertain to the subsurface or physical conditions at the site or otherwise may affect the cost, progress, performance or furnishing of the Work as BIDDER considers necessary for the performance or furnishing of the Work at the Contract Price, within the Contract Time and in accordance with the other terms and conditions of the Contract Documents, including specifically the provisions of Paragraph 4.02 of the General Conditions; and no additional examinations, investigations, explorations, tests, reports or similar information or data are or will be required by BIDDER for such purposes.

(e) BIDDER has reviewed and checked all information and data shown or indicated on the Contract Documents with respect to existing Underground Facilities at or contiguous to the site and assumes responsibility for the accurate location of said Underground Facilities. No additional examinations, investigations, explorations, tests, reports or similar information or data in respect of said Underground Facilities are or will be required by BIDDER in order to perform and furnish the Work at the Contract price, within the Contract Time and in accordance with the other terms and conditions of the Contract Documents, including specifically the provisions of Paragraph 4.04 of the General Conditions.

(f) BIDDER has correlated the results of all such observations, examinations, investigations, explorations, tests, reports, and studies with the terms and conditions of the Contract Documents.

(g) BIDDER has given OWNER written notice of all conflicts, errors or discrepancies that it has discovered in the Contract Documents and the written resolution thereof by ENGINEER is acceptable to BIDDER.

(h) This Bid is genuine and not made in the interest of or on behalf of any undisclosed person, firm, or corporation and is not submitted in conformity with any agreement or rules of any group, association, organization or corporation; BIDDER has not directly or indirectly induced or solicited any other Bidder to submit a false or sham Bid; BIDDER has not solicited or induced any person, firm or corporation to refrain from bidding; and BIDDER has not sought by collusion to obtain for itself any advantage over any other Bidder or over OWNER.

4. BIDDER agrees to perform all the Work described in Contract Documents, subject to adjustments as provided therein, for the Prices BIDDER provides on the Schedule of Values.
5. BIDDER declares it understands that the unit quantities shown on the Bid Form Unit Price Schedule are approximate only and not guaranteed and are subject to either increase or decrease; and that should the quantities of any of the items of Work be increased, the BIDDER agrees to do the additional Work at the unit prices set out herein, and should the quantities be decreased, BIDDER also understands that final payment shall be made on actual quantities completed at the unit prices, and shall make no claims for anticipated profits for any decrease in the quantities.
6. The BIDDER further declares its understands the OWNER may elect to construct only a portion of the Work covered by these Documents and BIDDER agrees to perform that portion of the Work for which BIDDER is awarded a Contract at the unit prices quoted herein.

7. BIDDER agrees that the Work:

Wellfield Rehabilitation and Maintenance work will be shall be completed within the timeframe specified under Section 01010-Summary of Work (Exhibit "A" - CDO Contract Time Guidelines).

BIDDER accepts the provisions of the Agreement as to liquidated damages in the event of failure to complete the Work on time.

8. The following documents are attached to and made a condition of this Bid:

(a) Schedule of Values.

(b) List other documents as pertinent.

9. Communications concerning this Bid shall be telephoned or addressed to:

Name: Jeffrey Holst

Address: 7733 Hooper Road

West Palm Beach, FL 33411

Phone No.: 561-844-2966

Fax: 561-844-2967

10. The terms used in this Bid which are defined in the General Conditions of the Construction Contract included as part of the Contract Documents have the meanings assigned to them in the General Conditions.
11. BIDDER'S Florida Contractor's License No. WWC11148
12. BIDDER covenants that it is qualified to do business in the State of Florida and has attached evidence of BIDDER'S qualification to do business in the State of Florida, or if not attached, BIDDER covenants to obtain such evidence within five days of request by OWNER to provide evidence.

If BIDDER is

An Individual

Name _____ (SEAL)

Signature: _____

Doing business as _____

Business Address: _____

Phone Number: _____

Fax Number _____

A Partnership

Firm's Name _____ (SEAL)

General Partner Signature: _____

Business Address: _____

Phone Number: _____

Fax Number _____

A Corporation

Corporation's Name Florida Design Drilling Corp. (SEAL)

State of Incorporation Florida

Authorized Person: Jeffrey Holst

Title: Vice President

Signature: 

Attest: Noah Ringdal (Secretary)

Signature: 

Business Address: 7733 Hooper Road
West Palm Beach, FL 33411

Phone Number: 561-844-2966

Fax Number 561-844-2967

SCHEDULE OF VALUES

(FAILURE TO COMPLETE THIS FORM MAY RESULT IN THE BID BEING DECLARED NON-RESPONSIVE)

ITEM	TASK DESCRIPTION	EST. QTY.	UNIT	UNIT PRICE	TOTAL PRICE
1	Traffic Control	1	Ea.	1000	1000
2	Biological Activity Reaction Test (BART'S)	24	Ea.	100	2400
3	Specific Capacity Test before or after rehabilitation	24	Ea.	500	12000
4	Wire to Water pump efficiency test	12	Ea.	500	6000
5	Step Drawdown Test	12	Ea.	1000	12000
6	Extra Sand Testing not during well development or pump testing	2	Ea.	500	1000
7	Silt density index test (passing only, SDI Test less than 3)	3	Ea.	500	1500
8	Remove & Reinstall Fencing to original condition	2	Ea.	500	1000
9	Remove Surficial Wellhead, column pip, and well pump with motor and accessories	24	Ea.	2500	60000
10	Reinstall Surficial Wellhead column pip, and well pump with motor and accessories	24	Ea.	2500	60000
11	360 Degree Color Video with triplicate DVDs including contractor pump	12	Ea.	2500	30,000 60000
12	Pump Motor Retrieval	2	Ea.	5000	10000 20,000
13	Chemical Treatment - Acid Descaler 55 gal.	12	Ea.	10000	120000
13A	Additional Chemical Treatment - Acid Descaler 55 gal.	6	Ea.	10000	10 60000
14	Chemical Treatment - Chlorine	12	Ea.	1500	18000
15	Acidize Well - 1,000 gal. 15% HCL	6	Ea.	25000	150000
16	CO2 Injection - (3-4 tons)	2	Ea.	25000	50000
17	Clean Casing & Screen	12	Ea.	2500	30000
18	Brushing, Swabbing & Jetting - Well Development	12	Ea.	2500	30000
19	Drill Rig w/ Crew	96	Hour	500	48000
20	Two Man Crew w/ Crane	432	Hour	400	172800
21	Each Additional Crew Member	40	Hour	50	2000
22	Parts Supplies by Contractor without Contractor's markup	1	Lump	\$10,000.00	\$10,000.00
22A	Contractor's markup on parts under bid item 22	10,000		15%	1500
23	Well Abandonment	1	Ea.	5000	5000
24	Neat Cement for Well Abandonment	16	CY	500	8000
25	Mud Well, Remove Exist. Inner Casing/Screen, Riser & Gravel Pack	2	Ea.	40,000	80000
26	Furnish 12" Diameter 316L SS Well Screen - 30 to 100 Slot	40	Ft.	250	10000

ITEM	TASK DESCRIPTION	EST. QTY.	UNIT	UNIT PRICE	TOTAL PRICE
27	Furnish 12" Dia. Certalok Riser	200	Ft.	150	30000
28	Install Well Screen & Riser	2	Ea.	5000	10000
29	Furnish & Install Gravel Pack	280	CF	25	7000
30	Well Development Pump - 2,000 to 3,000 gpm	144	Hour	250	36000
31	Well Development & Redevelopment - Airlift 600 to 750 CFM	144	Hour	250	36000
32	Disposal of Development Water	12	Ea.	2500	30000
33	Disposal of Development Solids	12	Ea.	2500	30000
34	Furnish & Install 1" PVC Stilling Well - 60' to 80'	2	Ea.	2500	5000
35	Furnish & Install 2 new SS Safety Cables - 60' to 80'	2	Ea.	600	1200
36	On Site Welding	40	Hour	125	5000
37	Machine Shop Welding	40	Hour	100	4000
38	Disassembly & Inspection of Pump	2	Ea.	1500	3000
39	Pump Maintenance	40	Hour	100	4000
40	Trim Impeller	2	ea.	500	1000
41	Motor Maintenance	40	Hour	100	4000
42	Disinfect Well - Health Dept. Clearance	24	Ea.	2000 2000	48000
43	BACT Health Dept. Clearance	48	Ea.	150	7200
	TOTAL				1253600

BIDDER/CONTRACTOR understands and agrees that this is Unit Price Contract and that contractor will be paid based upon items and quantities actually performed and accepted by Owner. The Schedule of Values is provided for the purpose of Bid Evaluation and when initiated by Wellington, the pricing of change orders. Contractor's price will not be adjusted to reflect any deviation from the Schedule of Values, except to the extent that Wellington changes the scope of Project after the Contract Date.

Quantities listed on the Schedule of Values are estimates only and are not to be construed as guaranteed work quantities. Bids will be evaluated based upon the total contract price. Balance of pricing shall be considered by OWNER in determining lowest, responsive, responsible bidder. CONTRACTORS/BIDDERS shall submit balanced bids.

SCHEDULE OF SUBCONTRACTORS

(FAILURE TO COMPLETE THIS FORM MAY RESULT IN THE BID BEING DECLARED NON-RESPONSIVE)

Discipline	Subcontractor	Address City, ST, Zip	License Number
VIDEO LOGGING	MV GEOPHYSICAL	FT MYERS, FL	N/A
CO ₂ INJECTION	Subsurface Tech. Inc.	Rock Tavern NY	N/A

Address of Subcontractor may be considered in accordance with Wellington's Local Preference Policy

SCHEDULE OF EQUIPMENT AND MATERIALS

(FAILURE TO COMPLETE THIS FORM MAY RESULT IN THE BID BEING DECLARED NON-RESPONSIVE)

Item	Manufacturer	Description
N/A		

SWORN STATEMENT UNDER SECTION 287.133(3)(a), FLORIDA STATUTES, ON PUBLIC ENTITY CRIMES

(FAILURE TO COMPLETE THIS FORM MAY RESULT IN THE BID BEING DECLARED NON-RESPONSIVE)

THIS FORM MUST BE SIGNED IN THE PRESENCE OF A NOTARY PUBLIC OR OTHER OFFICER
AUTHORIZED TO ADMINISTER OATHS.

1. This sworn statement is submitted to Village of Wellington
by Jeffrey Holst, Vice President [print name of the public entity]
[print individual's name and title]
for Florida Design Drilling Corp.
[print name of entity submitting sworn statement]

whose business address is 7733 Hooper Road
West Palm Beach, FL 33411

and (if applicable) its Federal Employer Identification Number (FEIN) is 20-2779560

(If the entity has no 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 and directly related to the transaction of business with any public entity or with an agency or political subdivision of any other state or of the United States, including, but not limited to, any bid or contract for goods or services or any contract for the construction or repair of a public building or public work, to be provided to any public entity or an agency or political subdivision of any other state or of the United States and involving antitrust, fraud, theft, bribery, collusion, racketeering, conspiracy, or material misrepresentation.
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 any federal or state trial court of record relating to charges brought by indictment or information after July 1, 1989, as a result of jury verdict, nonjury 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)(c), Florida Statutes, means any natural person or entity organized under the laws of any state or of the United States with the legal power to enter into a binding contract and which bids or applies to bid on contracts for the provision of goods or services let by a public entity, or which otherwise transacts or applies to transact business with a public entity. The term "person" includes those officers, directors, 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.]

X Neither the entity submitting this sworn statement, nor any officers, directors, executives, partners, shareholders, employees, members, or agents who are active in 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 the officers, directors, executives, partners, shareholders, employees, members, or agents who are active in management of the entity, or an 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 has been charged with and convicted of a public entity crime subsequent to July 1, 1989. However, there has been a subsequent proceeding before a Hearing Officer 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 OF THE CALENDAR YEAR IN WHICH IT IS FILED. I ALSO UNDERSTAND THAT I AM REQUIRED TO INFORM THE PUBLIC ENTITY PRIOR TO ENTERING INTO A CONTRACT IN EXCESS OF THE THRESHOLD AMOUNT PROVIDED IN SECTION 287.017, FLORIDA STATUTES FOR CATEGORY TWO OF ANY CHANGE IN THE INFORMATION CONTAINED IN THIS FORM.

[Signature]
[signature]
11/10/15
[date]

STATE OF Florida
COUNTY OF Palm Beach

Subscribed and Sworn to (or affirmed) before me on 11/10/15 by
[date]
Jeffrey Holst He/she is personally known to me or has presented
[name]
Florida Driver's License as identification.
[type of identification]

[Signature]
[Notary's Signature and Seal]
Form PUR 7068 (Rev. 04/10/91)
M/R 03/06/92

Riana Alli
Print Notary Name and Commission No.



DRUG FREE WORKPLACE

(FAILURE TO COMPLETE THIS FORM MAY RESULT IN THE BID BEING DECLARED NON-RESPONSIVE)

Preference may 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 Owner 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 may 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 must attest to the following:

1. We 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. We inform employees about the dangers of drug abuse in the workplace, the business's policy of maintaining a drug-free workplace, any available drug counseling, rehabilitation, and employee assistance programs, and the penalties that may be imposed upon employees for drug abuse violations.
3. We 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. We, in the statement specified in subsection (1), notify the employees that, as a condition of working on the commodities or contractual services that are under 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. We 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. We 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.



Contractor's Signature

TRENCH SAFETY AFFIDAVIT

(FAILURE TO COMPLETE THIS FORM MAY RESULT IN THE BID BEING DECLARED NON-RESPONSIVE)

Florida Design Drilling Corp. (NAME OF FIRM) hereby provides written assurance that compliance with applicable Trench Safety Standards identified in the Occupational Safety and Health Administration's Excavation Safety Standards, (OSHA) 29 C.F.R.S. 1926.650 Subpart P will be adhered to during trench excavation in accordance with Florida Statutes 553.60 through 533.64 inclusive (1990), "Trench Safety Act".

The undersigned acknowledges that included in the various items of the proposal and in the Total Proposal Price are costs for complying with the Florida "Trench Safety Act" as summarized below: (Attach additional sheets as necessary).

Schedule Item	Trench Safety Measure (Slope, Trench Shield, etc.)	Cost
	Not applicable no trenching	
	Total	

(Signature)

(Date)

STATE OF _____

COUNTY OF _____

Subscribed and Sworn to (or affirmed) before me on _____ by

_____. He/she is personally known to me or has presented

_____ (type of i.d.) as identification.

Notary Public Signature and Seal

Print Notary Name and Commission No.

QUESTIONNAIRE

The following Questionnaire shall be completed and submitted in Envelope with the Bid. By submission of this Bid, Bidder guarantees the truth and accuracy of all statements and answers herein contained.

1. How many years has your organization been in business? 10

2. What is the last project of this nature that you have completed?

Port Saint Lucie Well F12 rehab

3. Have you ever failed to complete work awarded to you? If so, where and why?

No

4. Name three individuals or corporations for which you have performed work and to which you refer:

<u>Jim Andersen</u>	<u>jandersen@jlageosciences.com</u>	<u>561-746-0228</u>
Name	Email Address	Phone

<u>Mark McNeal</u>	<u>mmcneal@asrus.net</u>	<u>813-264-9100</u>
Name	Email Address	Phone

<u>Neil Johnson</u>	<u>neil.a.johnson@mwhgloabl.com</u>	<u>954-806-7106</u>
Name	Email Address	Phone

5. List the following information concerning all contracts OR projects in progress and past as of the date of submission of this bid. (List any Federal, State, City or local municipalities/government contracts or project information if any relevant in scope with this solicitation).

Information provided in (section 5) is for reference purposes and may be contacted for verification.

Name of Term Contract OR Project	Owner	Contact (Person) Name & Title	Contact Email Address & Phone Number	Contact Business Address
See attached.				

6. Has the bidder or his or her representative inspected the proposed project and does the Bidder have a complete plan for its performance?

Yes

7. Will you subcontract any part of this work? If so, give details including a list of each subcontractor(s) that will perform work in excess of the percent (10%) of the contract amount and the work that will be performed by each subcontractor(s).

Subcontractor	Work to be Performed
---------------	----------------------

Yes, but none over 10% contract value.	

8. What equipment do you own that is available for the work?
Cranes, boom trucks, compressors, generators, power tools, pumps

9. What equipment will you purchase for the proposed work?
None

10. What equipment will you rent for the proposed work?
None

11. State the name of your proposed project manager and give details of his or her qualifications and experience in managing similar jobs.
Daniel Ringdahl, resume attached.

12. State the true, exact, correct and complete name of the partnership, corporation, or trade name under which you do business and the address of the place of business. (If a corporation, state the name of the president and secretary. If a partnership, state the names of all partners. If a trade name, state the names of the individuals who do businesses under the trade name.

13. The correct name of the Bidder is Florida Design Drilling Corp.

14. The partnership is a ☐ Sole Proprietorship, ☐ Partnership, or ☒ Corporation or ☐ Other Type of Entity _____ (Fill In).

15. The address of principal place of business is _____

7733 Hooper Road, West Palm Beach, FL 33411

16. The names of the Corporate Officers, or Partners, or Individuals doing business under a trade name, are as follows:

Daniel Ringdahl, Noah Ringdahl, Jeffrey Holst

17. List all organizations which were predecessors to Bidder or in which the principals or officers of the Bidder were principals or officers.

None

18. List and describe all bankruptcy petitions (Voluntary or Involuntary) which have been filed by or against the Bidder, its parent or subsidiaries or predecessor organizations during the past five (5) years. Include in the description the disposition of each such petition.

None

19. List and describe all successful Performance or Payment Bond claims made to your surety(ies) during the last five (5) years. The list and descriptions should include claims against the bond of the Bidder and its predecessor organization(s).

None

20. List all claims, arbitrations, administrative hearings and lawsuits brought by or against the Bidder or its predecessor organization(s) during the last five (5) years. The list shall include all case names; case, arbitration, or hearing identification numbers; the name of the project over which the dispute arose; and a description of the subject matter of the dispute.

None

21. List and describe all criminal proceedings or hearings concerning business related offenses in which the Bidder, its principals or officers or predecessor organization (s) were defendants.

None

22. Has the Bidder, its principals, officers, or predecessor organization(s) been debarred or suspended from bidding by any government during the last five (5) years? If yes, provide details.

No

23. List and disclose any and all business relations with any members of Wellington Council.

None

Water Treatment Plant 11 Floridan Aquifer Wells Rehabilitation**Owner:** Palm Beach County WUD**Engineer:** JLA Geosciences**Contact:** Jim Andersen**Phone:** 561-746-0228

Description: Furnish all labor, equipment and materials necessary to rehabilitate six (6) Floridan Aquifer production wells (TP-1, TP-2, PW-3, PW-4, PW-6 and PW-7). The work as specified includes mobilization; removal of portions of the existing wellhead; removal of the column pipe, pump and appurtenances; removal of borehole debris (TP-2), cement dislodgement and knock down (PW-3 and PW-4); geophysical and down-hole video logging; back plugging of the boreholes with cement (PW-3, PW-4, PW-7 and possibly TP-2), acid treatment of the completion interval in two separate pumps; removal and treatment of the residual spent acid water; purging of the well, flow testing, formation water disposal system (including temporary piping and pumps); reinstallation of the pump, column pipe, wellhead ready for service; well facility disinfection, purging and bacteriological clearance; demobilization and restoration of well sites.

Completed: On Going**On time?**

Yes

Amount: \$ 444,444**Change Orders:****Replacement of the PGA WWTP Deep Injection Monitor Well System****Owner:** Seacoast Utility Authority**Engineer:** Holtz Consulting Engineers**Contact:** Brent Weidenhamer**Phone:** 561-575-2005

Description: Construction of a new 2,220' deep 4-1/2" FRP dual zone monitor well, permanent concrete pad, wellhead piping, instrumentation, purge piping and appurtenances, electrical and control conduit and wiring and appurtenances for sampling pumps.

Completed: On Going**On time?**

Yes

Amount: \$ 949,494**Change Orders:****Water Treatment Plant 11 Floridan Aquifer Wells Rehabilitation****Owner:** Palm Beach County WUD**Engineer:** JLA Geosciences**Contact:** Jim Andersen**Phone:** 561-746-0228

Description: Furnished all materials, labor, supervision, equipment, supplies, fees, expertise, and services necessary to rehabilitate Floridan aquifer production wells. Work includes dislodging debris obstructions from two (2) production wells, fishing of debris from one (1) well, completing geophysical logging on three (3) wells, performing an acid treatment on six (6) wells and partial back plugging of five (5) production wells.

Completed: On Going**On time?**

Yes

Amount: \$ 444,444**Change Orders:** \$ -

Reclaimed Water ASR System Well Construction**Owner:** City of St. Cloud**Engineer:** Jones, Edmunds & Associates**Contact:** Bartt Booz**Phone:** 813-258-0703

Description: One 12-inch diameter ASR well, ASR-1 (Total Depth [TD] approximately 3,100 feet). The well will be completed with a final carbon steel casing cemented to land surface and is designed for reclaimed water storage and recovery. One 6-inch diameter storage zone monitoring well, SZMW-1 (TD approximately 2,400 feet). The well will be completed with a final carbon steel casing cemented to land surface and will be located not more than 750 feet from ASR-1. One 6-inch diameter shallow monitoring well, SMW-1 (TD approximately 1,400 feet). The well will be located not more than 150 feet from ASR-1. Four 2-inch diameter Pad Monitoring Wells (PMW) around the temporary drilling pads for ASR-1 and SZMW-1, PMW-1 through PMW-8 (TD approximately 40 feet). Two additional PMWs will be constructed around SMW-1 prior to drilling that well.

Completed: On Going**On time?** Yes**Amount:** \$ 2,535,550**Change Orders:** \$ -**Rehabilitation/Treatment of Florida Aquifer Production Well F-12****Owner:** City of Port Saint Lucie**Engineer:** KLJ**Contact:** Pierre Vignier**Phone:** 772-528-2153

Description: plug back and rehabilitate Well F12 to reduce chloride-ion concentrations and maintain production capacity. Furnish all labor, equipment and material required to remove and re-install the permanent pump, column piping, and associated valves and electrical connections for the well and perform all work outlined in this Technical Specification.

Completed: August-15**On time?** Yes**Amount:** \$ 111,021**Change Orders:****South Seas Shallow Injection Well and Monitoring Well****Owner:** FGUA**Engineer:** Wade Trim**Contact:** Oscar Duarte**Phone:** 321-728-3389

Description: Installation of one 8-inch diameter Class V injection well and well head, IW-1 (Total Depth [TD] approximately 100 feet). The well will be completed with a final steel casing cemented to land surface and is designed for reclaimed wastewater disposal. Installation of one 4-inch diameter monitoring well, MW-1 (TD approximately 19 feet). The well will be completed with a final PVC casing cemented to land surface and will be located not more than 50 feet from IW-1. Testing of the injection well to the satisfaction of the OWNER and/or OWNER's REPRESENTATIVE.

Completed: October-15**On time?** Yes**Amount:** \$ 189,080**Change Orders:** \$ (17,201)

Replacement of Surficial Aquifer Wells Nos. BR-24A, BR-26, and NPB-7**Owner:** Seacoast Utility Authority**Engineer:** Holtz Consulting Engineers**Contact:** Brent Weidenhamer**Phone:** 561-575-2005

Description: Construction of three new surficial production wells, 24" PVC casing, 130-140' depth, well screen, with 40 HP submersible pumps, ductile iron raw water main & wellheads, concrete, instruments & programming, RTU & SCADA, control panels, new 480V electrical service, fencing.

Completed: October-15**On time?** Yes**Amount:** \$ 949,949**Change Orders:** \$ (45,052)**Water Treatment Plant Eastern Well Field Well Nos. 12-14****Owner:** City of West Palm Beach**Engineer:** Mock Roos & Associates**Contact:** John Cairnes**Phone:** 561-683-3313;275

Description: Construction of three new surficial production wells, 24" steel casing, 90-100' depth, with 25 HP submersible VFD driven pumps, ductile iron raw water main & wellheads, concrete, flowmeter, control panels & programming, RTU & SCADA, new 480V electrical service, irrigation, landscaping, road construction, fencing.

Completed: October-15**On time?** Yes**Amount:** \$ 1,456,680**Change Orders:** \$ -**North WWTP Monitor Well Replacement****Owner:** Martin County Utilities**Engineer:** Holtz Consulting Engineers**Contact:** Curtis Robinson**Phone:** 561-575-2005

Description: Construction of a new 2,220' deep 4-1/2" FRP dual zone monitor well, permanent concrete pad, wellhead piping, instrumentation, purge piping and appurtenances, electrical and control conduit and wiring and appurtenances for sampling pumps.

Completed: March-15**On time?** Yes**Amount:** \$ 949,494**Change Orders:** \$ (29,550)**Dual Zone Monitor Well DZMW-2 Abandonment****Owner:** City of West Palm Beach**Engineer:** Mathews Consulting, Inc.**Contact:** Jason Pugsley**Phone:** 561-655-6175

Description: The UMZ and LMZ of DZMW-2 were be abandoned from the total depth of 1,450-feet below pad level (BPL) up to pad level using neat cement grout in stages.

Completed: February 2015**On time?** Yes**Amount:** \$ 29,100**Change Orders:** \$ (100)**ECRWRF Lower-Zone Monitor Well for Injection Well No. 2****Owner:** City of West Palm Beach**Engineer:** Holtz Consulting Engineers**Contact:** Curtis Robinson**Phone:** 561-575-2005

Description: Construction of a new 2,290' deep 4-1/2" FRP single zone monitor well, permanent concrete pad, wellhead piping, instrumentation, purge piping and appurtenances, electrical and control conduit and wiring and appurtenances for sampling pump.

Completed: January-15**On time?** Yes**Amount:** \$ 594,949**Change Orders:** \$ (18,598)

Potable Well 16 at 2nd Avenue North**Owner:** City of Lake Worth**Engineer:** Mock Roos**Contact:** John Leemon**Phone:** 561-683-3113

Description: Construction of new 250' surficial production well, steel & PVC casing, interval testing, screen, development, pump testing, disinfection. Relocation of 300' of 6" PVC force main, new 16" raw water main, new electrical service, concrete, asphalt, fencing, flanged DIP, submersible well pump & motor, control panel, I&C, MOT.

Completed: January-15**On time?** Yes**Amount:** \$ 494,949**Change Orders:** \$ (22,651)**Water Treatment Plant 2, 3, and 8 New Production Wells****Owner:** Palm Beach County**Engineer:** MWH**Contact:** Neil Johnson**Phone:** 561-650-0070

Description: Construction of eight (8) 150' surficial production wells, steel & PVC casing, screens, development, testing, disinfection.

Completed: December-15**On time?** Yes**Amount:** \$ 1,080,535**Change Orders:** \$ 91,666**Plugging and Abandonment of ASR-1, ASR MW-1, and Pad Monitoring Wells****Owner:** Broward County**Engineer:** Atkins North America**Contact:** Kevin Dorsey**Phone:** 813-281-8374

Description: Geophysical logging and abandonment of existing ASR well and ASR monitor well.

Completed: February-14**On time?** Yes**Amount:** \$ 93,240**Change Orders:** \$ (1,980)**Water Supply Wells 28W, 31W, & 33W****Owner:** City of Boca Raton**Engineer:** CDM Smith**Contact:** Suzanne Mechler**Phone:** 561-273-8868

Description: Construction of three (3) new 350' surficial production wells, steel & FRP casing, screens, development, testing, disinfection.

Completed: March-13**On time?** Yes**Amount:** \$ 671,500**Change Orders:** \$ -**Production Well Testing and Rehabilitation****Owner:** City of Port Saint Lucie**Engineer:** Ardaman & Associates**Contact:** Douglas Dufresne**Phone:** 407-855-3860

Description: Backplugging and acidization of two (2) 1,600' Floridan aquifer production wells

Completed: October-13**On time?** Yes**Amount:** \$ 380,000**Change Orders:** \$ -

District 1 WTP Expansion Floridan Test Well Construction**Owner:** Broward County**Engineer:** MWH**Contact:** Neil Johnson**Phone:** 561-650-0070**Description:** Construction of two (2) new 1,800' Floridan aquifer PWS production wells, packer testing, development, pump testing, acidization, disinfection, concrete slabs, fencing.**Completed:** August-14**On time?** Yes**Amount:** \$ 2,681,000**Change Orders:** \$ -**Floridan Aquifer Well #7****Owner:** Ocean Reef Club**Engineer:** Mathews Consulting**Contact:** Rene Mathews**Phone:** 561-655-6175**Description:** Construction of one (1) new 1,250' Florida aquifer PWS production well, steel & PVC casing, development, pump testing, acidization, disinfection.**Completed:** September-13**On time?** Yes**Amount:** \$ 778,000**Change Orders:** \$ (20,000)**Sawgrass Floridan Well Construction and APT****Owner:** City of Sunrise**Engineer:** MWH**Contact:** Susan Bodmann**Phone:** 954-851-1507**Description:** Construction of two (2) new 1,750' Florida aquifer PWS production wells, steel & PVC casing, packer testing, development, pump testing, acidization, disinfection.**Completed:** January-13**On time?** Yes**Amount:** \$ 2,300,000**Change Orders:** \$ (350,000)**Design Build Water and Wastewater System Expansion****Owner:** Town of Davie**Engineer:** AECOM**Contact:** Michael Bennett**Phone:** 561-684-3375**Description:** Construction of four (4) new 1,350' Florida aquifer PWS production wells, steel & FRP casing, packer testing, development, pump testing, disinfection.**Completed:** January-13**On time?** Yes**Amount:** \$ 2,300,000**Change Orders:** \$ (200,000)**West Wellfield Water Supply Expansion****Owner:** Town of Deerfield Beach**Engineer:** CDM**Contact:** Stew Magenheimer**Phone:** 954-776-1731**Description:** Development and testing of three (3) wells. Original contractor did not complete work. We completed the remaining work on the contract after the original contractor walked off the job.**Completed:** May-11**On time?** Yes**Amount:** \$ 313,867**Change Orders:** \$ -

Well Repair**Owner:** LaGrove Country Club**Engineer:** JLA Geosciences**Contact:** Jim Andersen**Phone:** 561-746-0228

Description: Pump test, Geophysical log, evaluate current well and backplug well to improve water quality. Redevelop and test well. Project goals were achieved and well in usable after several years of inactivity.

Completed: December-10**On time?** Yes**Amount:** \$ 104,000**Change Orders:** \$ -**Southeast Monitor Wells****Owner:** Orlando Utilities Commission**Engineer:** Arcadis US**Contact:** David Smith**Phone:** 561-697-7053

Description: Construction of one (1) 300' upper Floridan monitor well and one (1) 2,500' dual zone Floridan monitor well, steel & FRP casing, packer testing, core sampling.

Completed: January-11**On time?** Yes**Amount:** \$ 492,228**Change Orders:** \$ -**AWS Wellfield Exploratory Test Wells****Owner:** Toho Water Authority**Engineer:** Tetra-Tech**Contact:** Bruce Lafrenz**Phone:** 407-256-3496

Description: Construction of one (1) 2,600' test production well, one (1) 600' upper Floridan monitor well, one (1) 1,950' dual zone monitor well, and two (2) 1,700' lower Floridan monitor wells, steel & PVC casing, packer testing.

Completed: August-11**On time?** Yes**Amount:** \$ 2,416,280**Change Orders:** \$ (92,198)**OKF-105 Tri-Zone Monitor Well Completion****Owner:** SFWMD**Engineer:** SFWMD**Contact:** Simon Sunderland**Phone:** 561-682-2705

Description: Construction of one (1) 2,500' tri-zone monitor well, steel & FRP casing, core sampling, packer testing, casing pressure test.

Completed: July-09**On time?** Yes**Amount:** \$ 334,500**Change Orders:** \$ 4,710**J. Robert Dean Water Treatment Plant****Owner:** FKA**Engineer:** CH2MHill**Contact:** Mike Furdock**Phone:** 305-218-3583

Description: Construction of three (3) 1,350' Floridan aquifer PWS production wells, steel & PVC casing, acidization, development, testing, disinfection.

Completed: December-08**On time?** Yes**Amount:** \$ 3,626,283**Change Orders:** \$ (498,880)

Construction of Production Wells F-1 & F-2

Owner: City of Miramar

Engineer: Malcolm Pirnie

Contact: Mike Black

Phone: 561-809-4533

Description: Construction of two (2) 1,350' Floridan aquifer PWS production wells, steel & FRP casing, acidization, development, testing, disinfection.

Completed: August-08

On time? Yes

Amount: \$ 2,498,500

Change Orders: \$ (153,523)

Bruce Lafrenz

other

Bruce.Lafrenz@tetrattech.com

mobile (407) 256-3496

Project: Toho Water Authority

REF10

David McNabb

work

david@mcnabbhydroconsult.com

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1

home ... (561) 891-0763

work 601 Heritage Drive, Suite 110

Jupiter FL 33458

note MKT

** REF10

David Smith

work

David.Smith2@arcadis-us.com

work (561) 697-7053

mobile (954) 422-2514

work 2081 Vista

Parkway Suite 200

West Palm Beach FL 33411

note **

Project: Highland Beach Floridan Well

Orlando Utilities Commission Southeast Monitoring Wells

xmas

REF10

Jim Andersen

work

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iphone (561) 758-2475

work 1931 Commerce

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Jupiter FL 33458

note Category: Industry xmas

REF10

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note MKT

xmas REF10

Robert Verrastro

bverras@sfwmd.gov

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work 3301 Gun Club Road

West Palm Beach FL 33416

Project: Paradise Run Dual Zone Well

xmas

Simon Sunderland

ssunder@sfwmd.gov

work 3301 Gun Club Road

West Palm Beach FL 33416

Project: SFWMD OKF-105 Deep

Dual Zone Montor Well

Susan Bodmann

sbodmann@broward.org

mobile (954) 579-8309

work (954) 831-0760

work

work

home

work

STATE OF FLORIDA
WATER WELL CONTRACTOR LICENSE
Issued to
Daniel Ringdahl

License No. 11148 Expires 7/31/2017


DISTRICT CERTIFICATION OFFICER

The State of Florida

Has Determined That

DANIEL C. RINGDAHL

Is Qualified As A

Water Well Contractor

PURSUANT TO CHAPTER 373, FLORIDA STATUTES

In The

State of Florida

And Hereby Issues

License Number

11148

Issued by South Florida

Water Management District



This 12th Day of October, 1995

A.D.

Steven D. Anderson, Supervising Professional
Water Use Division, Water Well Construction



CERTIFICATE OF LIABILITY INSURANCE

FLORDES-01

MTRAINOR

DATE (MM/DD/YYYY)

5/7/2015

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: Michelle Trainor	
	PHONE (A/C No. Ext.): (561) 776-9001 FAX (A/C No.): (561) 427-6730	
INSURED Florida Design Drilling Corporation 7733 Hooper Rd. West Palm Beach, FL 33411	INSURER(S) AFFORDING COVERAGE	NAIC #
	INSURER A: Amerisure Mutual Ins Co	23396
	INSURER B: Amerisure Insurance Co	19488
	INSURER C: Great American Insurance	16691
	INSURER D:	
	INSURER E:	
	INSURER F:	

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

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

INSR LTR	TYPE OF INSURANCE	ADDL INSD	SUBR WVD	POLICY NUMBER	POLICY EFF (MM/DD/YYYY)	POLICY EXP (MM/DD/YYYY)	LIMITS
A	<input checked="" type="checkbox"/> COMMERCIAL GENERAL LIABILITY <input type="checkbox"/> CLAIMS-MADE <input checked="" type="checkbox"/> OCCUR GEN'L AGGREGATE LIMIT APPLIES PER: <input type="checkbox"/> POLICY <input checked="" type="checkbox"/> PROJECT <input type="checkbox"/> LOC OTHER			GL20522770802	03/01/2015	03/01/2016	EACH OCCURRENCE \$ 1,000,000 DAMAGE TO RENTED PREMISES (Ea occurrence) \$ 100,000 MED EXP (Any one person) \$ 5,000 PERSONAL & ADV INJURY \$ 1,000,000 GENERAL AGGREGATE \$ 2,000,000 PRODUCTS - COMP/OP AGG \$ 2,000,000
B	<input checked="" type="checkbox"/> AUTOMOBILE LIABILITY <input checked="" type="checkbox"/> ANY AUTO <input type="checkbox"/> ALL OWNED AUTOS <input checked="" type="checkbox"/> HIRED AUTOS <input type="checkbox"/> SCHEDULED AUTOS <input checked="" type="checkbox"/> NON-OWNED AUTOS			CA20522790801	03/01/2015	03/01/2016	COMBINED SINGLE LIMIT (Ea accident) \$ 1,000,000 BODILY INJURY (Per person) \$ BODILY INJURY (Per accident) \$ PROPERTY DAMAGE (Per accident) \$
A	<input checked="" type="checkbox"/> UMBRELLA LIAB <input checked="" type="checkbox"/> OCCUR <input type="checkbox"/> EXCESS LIAB <input type="checkbox"/> CLAIMS-MADE DED <input checked="" type="checkbox"/> RETENTION \$ 0			CU20522760802	03/01/2015	03/01/2016	EACH OCCURRENCE \$ 4,000,000 AGGREGATE \$ 4,000,000
A	WORKERS COMPENSATION AND EMPLOYERS' LIABILITY ANY PROPRIETOR/PARTNER/EXECUTIVE OFFICER/MEMBER EXCLUDED? (Mandatory in NH) If yes, describe under DESCRIPTION OF OPERATIONS below	Y/N	N/A	WC205227508	03/01/2015	03/01/2016	<input checked="" type="checkbox"/> PER STATUTE <input type="checkbox"/> OTH-ER E.L. EACH ACCIDENT \$ 1,000,000 E.L. DISEASE - EA EMPLOYEE \$ 1,000,000 E.L. DISEASE - POLICY LIMIT \$ 1,000,000
C	Scheduled Equipment			IMP068451801	03/01/2015	03/01/2016	Limit 1,785,381
C	Rented/Leased Equip			IMP068451801	03/01/2015	03/01/2016	Max item \$250,000 250,000

DESCRIPTION OF OPERATIONS / LOCATIONS / VEHICLES (ACORD 101, Additional Remarks Schedule, may be attached if more space is required)

Water Treatment Plant 11-Floridan Aquifer Wells Rehabilitation Project #WUD No. 15-019

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, Automobile, and Umbrella coverages are 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. The Umbrella policy follows form over the General Liability, Auto, and Workers' Compensation coverages.

SEE ATTACHED ACORD 101

CERTIFICATE HOLDER**CANCELLATION**

Palm Beach County Board of County Commissioners
Water Utilities Departement
8100 Forest Hill Blvd.
West Palm Beach, FL 33413

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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AGENCY CUSTOMER ID: FLORDES-01

MTRAINOR

LOC #: 1

ADDITIONAL REMARKS SCHEDULE

Page 1 of 1

AGENCY Collinsworth, Alter, Lambert, LLC		NAMED INSURED Florida Design Drilling Corporation 7733 Hooper Rd. West Palm Beach, FL 33411	
POLICY NUMBER SEE PAGE 1		EFFECTIVE DATE: SEE PAGE 1	
CARRIER SEE PAGE 1	NAIC CODE SEE P 1		

ADDITIONAL REMARKS

THIS ADDITIONAL REMARKS FORM IS A SCHEDULE TO ACORD FORM,
FORM NUMBER: ACORD 25 FORM TITLE: Certificate of Liability Insurance

Description of Operations/Locations/Vehicles:

The certificate holder is expanded to read: The Board of County Commissioners, Palm Beach County, Florida (a political subdivision of the State of Florida) Palm Beach County Water Utilities Department, it's officers, directors, agents, and employees. The Engineer, it's officers, agents, and employees.

WELLINGTON LOCAL PREFERENCE

APPLICATION TO BE CONSIDERED A LOCAL BUSINESS IN ACCORDANCE WITH VILLAGE OF WELLINGTON FLORIDA'S LOCAL PREFERENCE POLICY

Wellington gives preference to local businesses in certain purchasing situations as set forth in Chapter 9 of Wellington's Purchasing and Procurement Manual. In order to be considered a local business, entitled to be given preference, the business must make application with Wellington and meet one of the following criteria as such is more fully set forth in Chapter 9, of Wellington's Purchasing and Procurement Manual:

Chapter 9, LOCAL PREFERENCE

Western Communities Local Business - For the purpose of determining a "Western Communities local business" a vendor must have a principal permanent business location and headquarters within Wellington of Wellington, Florida or west of the Florida Turnpike to the Palm Beach County western boundary line as depicted in Exhibit "A" hereto. This applies to all entity formations, including, but not limited to, limited liability companies, partnerships, limited partnerships and the like or sole proprietors. Further, the entity or sole proprietor must provide that it, he or she has been domiciled and headquartered in the jurisdictional boundaries of the Western Communities for at least six months prior to the solicitation. Post Office boxes will not be considered a permanent business location within the Western Communities. Home business offices shall be considered as a business location if it otherwise meets the requirements herein. In order to be eligible for such local preference the vendor shall have a local business tax receipt pursuant to the County's and/or municipalities' Code of Ordinances, having jurisdiction over the location of the business, unless otherwise exempt therefrom. Further, the vendor must be properly licensed and authorized by law to provide the goods, services or professional services to the extent applicable and the location of the business must be properly zoned in order for the vendor to conduct its business.

Palm Beach County local business - For the purpose of determining a "Palm Beach County local business" a vendor must have a principal permanent business location and headquarters within Palm Beach County, Florida. This applies to all entity formations, including, but not limited to, limited liability companies, partnerships, limited partnerships and the like or sole proprietors. Further, the entity or sole proprietor must provide that it, he or she has been headquartered and domiciled in the jurisdictional boundaries of Palm Beach County, Florida for at least six months prior to the solicitation. Post Office boxes will not be considered a permanent business location within Palm Beach County, Florida. Home business offices shall be considered as a business location if it otherwise meets the requirements herein. In order to be eligible for such local preference the vendor shall have a local business tax receipt pursuant to the Palm Beach County Code of Ordinances as amended from time to time, unless otherwise exempt there from. Further, the vendor must be properly licensed and authorized by law to provide the goods, services or professional services to the extent applicable and the location of the business must be properly zoned in order for the vendor to conduct its business.

Subcontractor utilization - In competitive bid situations, a business may also qualify as either a Palm Beach County or Western Community local business if they are utilizing subcontractors to perform the work or materialmen to supply the job and more than fifty (50%) percent of their proposed bid price will be paid to subcontractors and/or materialmen who qualify, under the above standards, as Palm Beach County and/or Western Community local businesses.

Please check the box below indicating which preference category your business is applying for:

☒ Western Communities Local Business

☐ Palm Beach County Local Business

☐ Subcontractor Utilization

1. The name of the business is: Florida Design Drilling Corp.
2. The address of the business is: 7733 Hooper Road, West Palm Beach, FL 33411
3. How long has the business been located at its current address: 22 Months

4. If the business has relocated within the last six months, please provide the answers to questions 1-3 for the previous location:

5. The previous name of the business is: _____

6. The previous address of the business is: _____

7. How long was this business at the previous location: _____

8. If the business is attempting to qualify under the subcontractor utilization provision, please provide a breakdown of the subcontractors who would qualify for either the Palm Beach County or Western Community, business classification, the requisite information, provide their responses to the above 1 - 7 questions and for each of the subcontractors, indicate the amount that they are proposed to be compensated at under the bid price.

9. The business as a local business tax receipt from: (1) Palm Beach County ☒ (2) the following municipality: _____ (3) located in unincorporated Palm Beach County: ☐

10. Please provide a copy of Local Business Tax Receipts from Palm Beach County and the applicable municipality are attached. Attached

11. Please provide a Certificate of Good Standing indicating the formation or domestication of the entity in and for the State of Florida is attached.

12. Please provide copies of licenses if applicable from the State of Florida authorizing the business to provide the good services or professional services contemplated in the bid documents. Attached

By signing below, I hereby certify that under penalty of perjury I believe my business qualifies as a Palm Beach County, Western Community or subcontractor utilization business in accordance with Wellington's Local Preference Policy and that I have submitted current and accurate information and documents relating to my qualifications. I further acknowledge and agree that any fraudulent or duplicitous information submitted in furtherance of this application will be grounds for disqualification from bidding on this project and doing business with Wellington in the future.

Applicants Federal Tax ID Number - 20-2779560 Applicants Business Address 7733 Hooper Road
West Palm Beach, FL
33411



ANNE M. GANNON
CONSTITUTIONAL TAX COLLECTOR
Serving Palm Beach County

Serving you.

Anne M. Gannon
Constitutional Tax Collector
Serving Palm Beach County
P.O. Box 3353
West Palm Beach, FL 33412-3353

Account Information

LBTR Number	Tax Type	Status
201472017	Business Tax	Active
Mailing Address: HOLST JEFFREY TURNER 7733 HOOPER RD WEST PALM BEACH , FL 33411	Location Address: 7733 HOOPER ROAD WEST PALM BEACH , FL 33411	

Business Detail

Business Name:	FLORIDA DESIGN DRILLING CORP	Tax Year:	2016
Trade Name:	FLORIDA DESIGN DRILLING CORP	License Number:	201472017
Phone Number:	561-844-2966	Lic. Status:	Active
New Business:	04/14/2014	Certificate:	CGC1522104
Business Type:	CW GENERAL CONTRACTOR (23-0102)	Cert, Issued:	10/01/2015
Number of Units:	20	NAICS:	23-0102
Memo: REQUIRED: SUBMIT CURRENT VALID COPY OF SFWM CERTIFICATION, LICENSE, OR EXEMPTION FOR RENEWAL			

Tax Information

Bill Number	Due Date	Bill Year	Tax	Penalty/Fee	Interest	Total Due
B40184936	9/30/2015	2016	\$0.00	\$0.00	\$0.00	\$0.00
Total Due:			\$0.00	\$0.00	\$0.00	\$0.00

Tax Payment

Bill Year	Bill Number	Receipt Number	Amount Paid	Last Paid	Paid By
2016	B40184936	B15.898441	\$369.60	9/24/2015	daniel ringdahl



ANNE M. GANNON
CONSTITUTIONAL TAX COLLECTOR
Serving Palm Beach County

Serving you.

Anne M. Gannon
Constitutional Tax Collector
Serving Palm Beach County
P.O. Box 3353
West Palm Beach, FL 33402-3353

Account Information

LBTR Number	Tax Type	Status
200813038	Business Tax	Active
Mailing Address: RINGDAHL DANIEL C 7733 HOOPER RD WEST PALM BEACH , FL 33411		Location Address: 7733 HOOPER ROAD WEST PALM BEACH , FL 33411

Business Detail

Business Name:	FLORIDA DESIGN DRILLING CORP	Tax Year:	2016
Trade Name:	FLORIDA DESIGN DRILLING CORP	License Number:	200813038
Phone Number:	561-844-2966	Lic. Status:	Active
New Business:	02/08/2008	Certificate:	11148
Business Type:	CW WATER WELL CONTRACTOR (23-0139)	Cert. Issued:	10/01/2015
Number of Units:	15	NAICS:	23-0139
Memo: REQUIRED: SUBMIT CURRENT VALID COPY OF SFWM CERTIFICATION, LICENSE, OR EXEMPTION FOR RENEWAL			

Tax Information

Bill Number	Due Date	Bill Year	Tax	Penalty/Fee	Interest	Total Due
B40136788	9/30/2015	2016	\$0.00	\$0.00	\$0.00	\$0.00
Total Due:			\$0.00	\$0.00	\$0.00	\$0.00

Tax Payment

Bill Year	Bill Number	Receipt Number	Amount Paid	Last Paid	Paid By
2016	B40136788	B15.898324	\$185.85	9/24/2015	



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 CONSTITUTIONAL TAX COLLECTOR
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 Constitutional Tax Collector
 Serving Palm Beach County
 P.O. Box 3353
 West Palm Beach, FL 33402-3353

Account Information

LBTR Number	Tax Type	Status
200813036	Business Tax	Active
Mailing Address:		Location Address:
RINGDAHL DANIEL C		7733 HOOPER ROAD
7733 HOOPER RD		WEST PALM BEACH, FL 33411
WEST PALM BEACH, FL 33411		

Business Detail

Business Name:	FLORIDA DESIGN DRILLING CORP	Tax Year:	2016
Trade Name:	FLORIDA DESIGN DRILLING CORP	License Number:	200813036
Phone Number:	561-844-2966	Lic. Status:	Active
New Business:	02/08/2008	Certificate:	11148
Business Type:	WATER WELL CONTRACTOR (23-0099)	Cert. Issued:	10/01/2015
Number of Units:	15	NAICS:	23-0099
Memo:			
REQUIRED: SUBMIT CURRENT VALID COPY OF SFWM CERTIFICATION, LICENSE, OR EXEMPTION FOR RENEWAL			

Tax Information

Bill Number	Due Date	Bill Year	Tax	Penalty/Fee	Interest	Total Due
B40136789	9/30/2015	2016	\$0.00	\$0.00	\$0.00	\$0.00
Total Due:			\$0.00	\$0.00	\$0.00	\$0.00

Tax Payment

Bill Year	Bill Number	Receipt Number	Amount Paid	Last Paid	Paid By
2016	B40136789	B15.898323	\$27.50	9/24/2015	daniel ringdahl



ANNE M. GANNON
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Anne M. Gannon
Constitutional Tax Collector
Serving Palm Beach County
P.O. Box 3353
West Palm Beach, FL 33402-3353

Account Information

LBTR Number	Tax Type	Status
201472016	Business Tax	Active
Mailing Address: HOLST JEFFREY TURNER 7733 HOOPER RD WEST PALM BEACH , FL 33411	Location Address: 7733 HOOPER ROAD WEST PALM BEACH , FL 33411	

Business Detail

Business Name:	FLORIDA DESIGN DRILLING CORP	Tax Year:	2016
Trade Name:	FLORIDA DESIGN DRILLING CORP	License Number:	201472016
Phone Number:	561-844-2966	Lic. Status:	Active
New Business:	04/14/2014	Certificate:	CGC1522104
Business Type:	GENERAL CONTRACTOR (23-0051)	Cert, Issued:	10/01/2015
Number of Units:	20	NAICS:	23-0051
Memo: REQUIRED: SUBMIT CURRENT VALID COPY OF SFWM CERTIFICATION, LICENSE, OR EXEMPTION FOR RENEWAL			

Tax Information

Bill Number	Due Date	Bill Year	Tax	Penalty/Fee	Interest	Total Due
B40184937	9/30/2015	2016	\$0.00	\$0.00	\$0.00	\$0.00
Total Due:			\$0.00	\$0.00	\$0.00	\$0.00

Tax Payment

Bill Year	Bill Number	Receipt Number	Amount Paid	Last Paid	Paid By
2016	B40184937	B15.898440	\$27.50	9/24/2015	

CONFLICT OF INTEREST STATEMENT

This Proposal/Agreement (whichever is applicable) is subject to the conflict of interest provisions of the policies and Code of Ordinances of WELLINGTON, the Palm Beach County Code of Ethics, and the Florida Statutes. During the term of this Agreement and any renewals or extensions thereof, the VENDOR shall disclose to WELLINGTON any possible conflicts of interests. The VENDOR's duty to disclose is of a continuing nature and any conflict of interest shall be immediately brought to the attention of WELLINGTON. The terms below shall be defined in accordance with the policies and Code of Ordinances of WELLINGTON, the Palm Beach County Code of Ethics, and Ch. 112, Part III, Florida Statutes.

CHECK ALL THAT APPLY.

☒ To the best of our knowledge, the undersigned business has no potential conflict of interest for this Agreement due to any other clients, contracts, or property interests.

☒ To the best of our knowledge, the undersigned business has no employment or other contractual relationship with any WELLINGTON employee, elected official or appointed official.

☒ To the best of our knowledge, the undersigned business has no officer, director, partner or proprietor that is a WELLINGTON purchasing agent, other employee, elected official or appointed official. The term "purchasing agent", "elected official" or "appointed official", as used in this paragraph, shall include the respective individual's spouse or child, as defined in Ch. 112, Part III, Florida Statutes.

☒ To the best of our knowledge, no WELLINGTON employee, elected official or appointed official has a material or ownership interest (5% ownership) in our business. The term "employee", "elected official" and "appointed official", as used in this paragraph, shall include such respective individual's relatives and household members as described and defined in the Palm Beach County Code of Ethics.

☒ To the best of our knowledge, the undersigned business has no current clients that are presently subject to the jurisdiction of WELLINGTON's Planning, Zoning and Building Department.

☒ The undersigned business, by attachment to this form, submits information which may be a potential conflict of interest due to any of the above listed reasons or otherwise.

THE UNDERSIGNED UNDERSTANDS AND AGREES THAT THE FAILURE TO CHECK THE APPROPRIATE BLOCKS ABOVE OR TO ATTACH THE DOCUMENTATION OF ANY POSSIBLE CONFLICTS OF INTEREST MAY RESULT IN DISQUALIFICATION OF YOUR BID/PROPOSAL OR IN THE IMMEDIATE CANCELLATION OF YOUR AGREEMENT, WHICHEVER IS APPLICABLE.

Florida Design Drilling Corp.

COMPANY NAME


AUTHORIZED SIGNATURE

Jeffrey Holst

NAME (PRINT OR TYPE)

Vice President

TITLE

NON-COLLUSION AFFIDAVIT

State of Florida

County of Palm Beach

Being duly sworn deposes and says:

That he/she is an officer of the parties making the forgoing bid submittal, that such bid submittal is genuine and not collusive or sham, that said Bidder has not colluded, conspired, connived or agreed, directly or indirectly with any bidder or person, to put in a sham bid or to refrain from bidding and has not in any manner, directly, or indirectly, sought by agreement of collusion or communication or conference with any person, to fix the price of affiant or any other bidder, or to fix any overhead, profit of cost element of said price, or that of any other bidder, or to secure any advantage against the authority, of any person interested in the proposed contract and that all statements in said bid is true.

Florida Design Drilling Corp.

Name of Bidder

DANIEL RINGDAHL

Print name of designated signatory

[Signature]

Signature

President

Title

On this 12 day of November, 20 15, before me appeared DANIEL RINGDAHL personally known to me to be the person described in and who executed this Affidavit and acknowledged that (she/he) signed the name freely and voluntarily for the uses and purposes therein described.

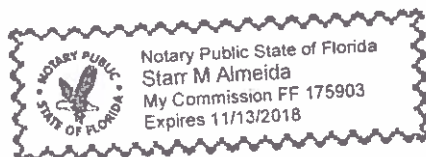
In witness thereof, I have hereunto set my hand and affixed seal the day and year last written above.

[Signature]

Signature

Notary Public in and for the State of Florida

(Affix Seal Here)



Starr M. Almeida

(Name Printed)

Residing at Florida

My commission expires 11/13/2018

Signature of Authorized Representative of Corporation, Partnership, or other business entity:

AM
Print Name: DANIEL RINGDAHL

Title: President

Date: 11/12/13

CITY OF: West Palm Beach

COUNTY OF: Palm Beach

SUBSCRIBED AND SWORN TO (or affirmed) before me on this 12 day of November, 2015, by
DANIEL RINGDAHL. He/She is personally known to me or has presented

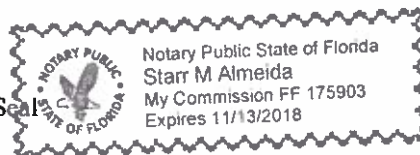
Florida DL _____ as identification.

Starr M. Almeida
(Signature of Notary)

Starr M Almeida
(Print or Stamp Name of Notary)

Notary Public FL
(State)

Notary Seal



Signature of Individual if Sole Proprietor:

Print Name: _____

Date: _____

CITY OF: _____

COUNTY OF: _____

SUBSCRIBED AND SWORN TO (or affirmed) before me on this ____ day of _____, 201__, by
_____. He/She is personally known to me or has presented

_____ as identification.

(Signature of Notary)

(Print or Stamp Name of Notary)

Notary Public _____
(State)

Notary Seal



Free Water Well Guide
Maintain Production Capacity
Reduce Costs

Well Rehab
Method Comparisons

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Company Overview & Qualifications

Subsurface Technologies, Inc.

Mission Statement – Subsurface Technologies is devoted to developing and delivering highly effective, environmentally sound solutions to subsurface problems.

Aqua Freed, Inc., predecessor to Subsurface Technologies, Inc. was formed in 1986 to provide specialty well rehabilitation services to the water supply and environmental remediation markets.

Corporate Headquarters: 40 Stone Castle Road, Rock Tavern, NY 12575

Corporate Offices: Kansas City, Mo. – Chesapeake, Va

STI has participated in more than 7,000 well rehabilitation projects, worldwide, during the past 24 years.

- STI is skilled and capable on all types of vertical line shaft turbine and submersible pumping systems.
- STI's staff includes groundwater microbiologist and experienced field technicians holding NGWA drilling and pump certifications.
- STI's has and continues to service municipalities, national and multinational industrial clients, investor owned utilities and state agencies in NY, NJ, CT, PA, MD, VA, NC, FL, OH, IA, NV, MN, TX.
- STI's standard well service and specialty equipment is "state of the art".
- STI is experienced in servicing wells from 2" to 36" in diameter, with depths ranging from 15 to 3000 ft as well as directionally drilled and collector wells.
- STI is fully insured for all its activities including professional and pollution liability.
- All STI products are 100% environmentally sound and produce "NO WASTE STREAM."

WATER SUPPLY & ENVIRONMENTAL REMEDIATION

- **Well Rehabilitation:**
 - **AQUA FREED®** liquid-carbon dioxide rehabilitation/development process
 - Chemical rehabilitation applications
 - Horizontal and Collector well development/rehabilitation
- **Well Development:**
 - Mechanical brushing, swabbing and surging
 - Air lift pumping
- **Pump Services:**
 - Installations and service of submersibles and vertical line shaft turbines
 - Control panels, variable speed drives, power supplies

- Pitless adapters and well head assemblies
- Yield testing (long and short duration step rate pumping tests)
- Annual well and pump performance checkup program
- **Video Inspections:**
 - Color video survey 90° side scan and down hole view
- **Preventive Well Maintenance:**
 - **Aqua Gard®** - Permanent installation well maintenance system
- **Consulting:**
 - Groundwater microbiology and water quality issues
 - Lost capacity problems
 - Well management
- Well Abandonment

Quick Contact

send »

Our Services

- » Well Rehabilitation
- » Pump Sales & Service
- » Preventive Maintenance
- » Consulting Services
- » Color Video Inspection

800.283.3353

Get Clean. Stay Clean. Be Green.

©2014 Subsurface Technologies, Inc.
Empowered by WSI



A BRIEF HISTORY

The origins of revolutionary Aqua Freed technology.

It began in the 1970's with Igor Jaworowsky's search for an environmentally safe way to rehabilitate his neighbors' dry and low-yield wells.

His use of dry ice in an unusual, semi-controlled application proved extremely successful and led to the controlled injection of liquefied carbon dioxide known as the Aqua Freed process.

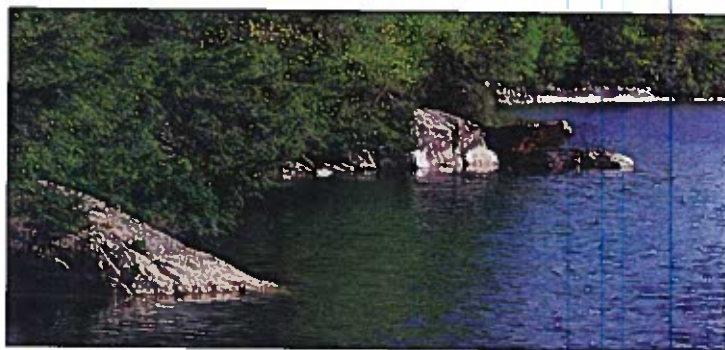
By 1985 the product, packer and process he initiated proved so innovative and effective it was granted the first of the patents that became the basis of Aqua Freed's current advanced technology.

Subsequent development of the process and equipment by the Aqua Freed corporation have extended its usage for treating larger-diameter, high-volume wells in various geological formations – both open-hole and screened. As a result, a new patent was granted in 1995.

Well Rehabilitation Technology Division

The Aqua Freed process is a highly effective, environmentally sound method for restoring lost capacity to water supply and environmental wells.

While conventional methods rely on the use of chemicals that are often dangerous to handle, and difficult and expensive to dispose of, the Aqua Freed process relies solely on inert liquids and gases that dissipate naturally.



The Advantages of Aqua Freed

Environmental Safety

The Aqua Freed process uses natural carbon dioxide in gas and liquid forms, eliminating the use or disposal of hazardous acids and chemicals, without affecting water quality.

Maximum Penetration

Achieves excellent fragment penetration into formations at greater distances from the well. The Aqua Freed process is an extremely effective method of delivering energy into the well and its surrounding aquifers.

More Economical

The superior penetration results in greater cost effectiveness because it often extends the life of the treatment beyond that of other methods. And, since carbon dioxide dissipates naturally, it eliminates neutralization and disposal costs.

Greater Effectiveness

The Aqua Freed process can fully restore water well capacity, improve the quality of water degraded by biological activity and achieves demonstrably superior results.

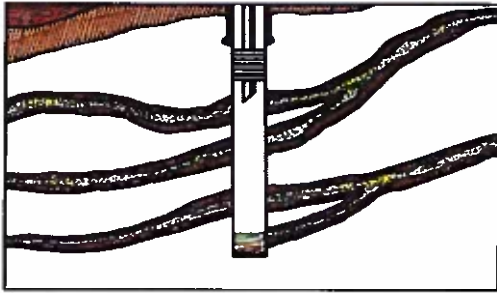
Versatility

Aqua Freed can be used for a wide range of water systems, including: Vertical Wells – screened and open hole, Horizontal and Collector Wells, Product Recovery Wells, and Monitoring Wells.

The Aqua Freed Process

Pure & Simple

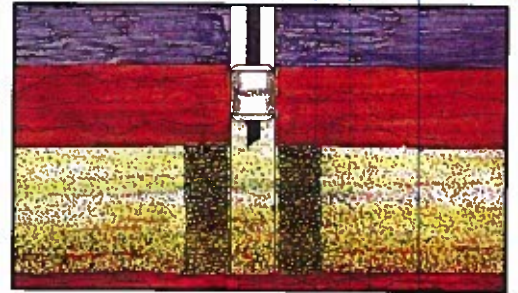
Open Hole



1

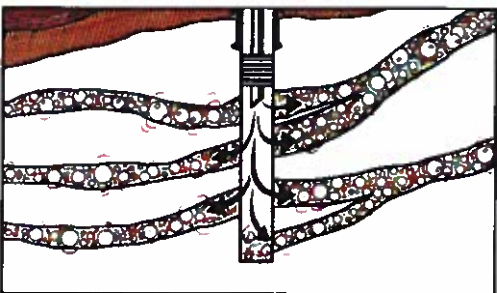
Aqua Freed personnel study the well data to determine the correct placement of the packer. After the pump is pulled, the packer is lowered to the desired depth creating a pressure seal to direct carbon dioxide into the well and surrounding formation.

Gravel Pack



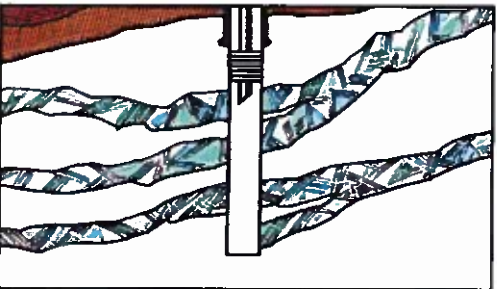
2

Carbon dioxide is injected through the packer into the well, penetrating the surrounding aquifer and producing a mild carbonic acid solution.



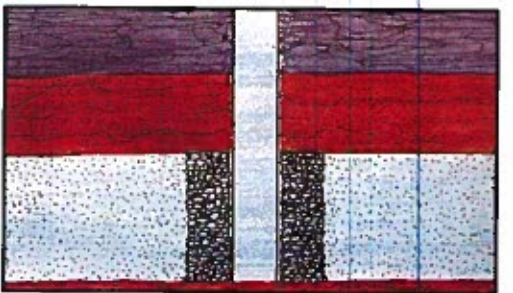
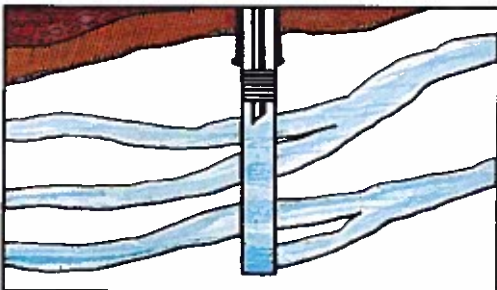
3

When liquid carbon dioxide comes into contact with water the effective reaction is the rapid expansion (570:1) of the carbon dioxide within the aquifer. This works to achieve disruption and dislodging of biological and mineral deposits. By regulating the downhole pressure, liquefied CO2 is converted to a solid form of carbon dioxide. The ensuing sublimation produces ongoing energy of agitation.



4

After treatment, the well is mechanically developed and tested. The well pump is reinstalled and the well is returned to service.



Aqua Freed — A Proven Success

The Aqua Freed process has proven itself in action—again and again and again!

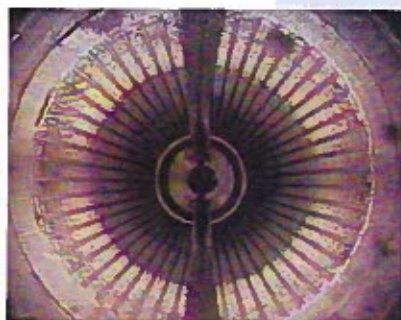
The Aqua Freed process has been employed in wells having a wide variety of construction, flow and fouling characteristics—with tremendous success. The technology is effective in rehabilitating wells experiencing lost capacity caused by mineral incrustation (i.e., iron, manganese and calcium) as well as biological fouling (such as iron-related bacteria, sulfate-reducing bacteria and slime-forming bacteria).

In fact, the Aqua Freed process produces markedly superior results compared to those using traditional chemical and physical methods, especially where iron bacteria are present. These exceptional results are due in large part to a combination of the following Aqua Freed advantages:

- ✓ Maximum penetration of the formation
- ✓ The production of carbonic acid ($\text{CO}_2 + \text{H}_2\text{O} = \text{H}_2\text{CO}_3$)
- ✓ Physical agitation caused by the rapid expansion of liquefied CO_2 to a gaseous state in the water.
- ✓ Displacement of oxygen due to the presence of CO_2 .
- ✓ Shock from the sudden change in both pH and temperature.
- ✓ The conversion of liquefied CO_2 to a solid state within the well, and the slower sublimation of the solid CO_2 to the gaseous state, allows continued energy of agitation, disruption, and detachment.



BEFORE Aqua Freed treatment
(Looking down into well)



AFTER Aqua Freed treatment
(Looking down into well)



AFTER Aqua Freed treatment
(Side wall)

CASE STUDIES

More than 5000 wells have been treated with the Aqua Freed process during the past 20 years. The following are some examples:

Study A — Institutional Application

The Aqua Freed process was used to treat Bedford Hills Correctional Facility well #9, a gravel pack well installed in 1964 but never used because of a low yield. Originally the well produced 110 GPM with a Specific Capacity of 4.69. After 20+ years of sitting idle and prior to cleaning, a pumping test was performed producing 75 GPM with a Specific of 2.85, followed by a video inspection revealing significant mineral incrustation on the screen. The well was treated with Aqua Freed, followed by 2 days of surge block agitation. Post treatment pumping test produced 260 GPM with a specific capacity of 8.96.

Study B — Municipal Wells

The Aqua Freed process was used to treat Hurleyville Well #2, a gravel pack well for the Town of Fallsburgh, NY. The well was originally completed in August 1957 with a reported yield of 300 GPM and a Specific Capacity of 9.32. Prior to treatment on May 20, 2005, a pretreatment video inspection showed significant deposited material to the well screen, while a pretreatment pumping test delivered a specific capacity of 5.67 at a pumping rate of 100 GPM. The well was rehabilitated with Aqua Freed during a one day injection, followed by 2 days of mechanical development to remove dislodged material. Post treatment yield testing resulted in a yield of 200 gallons per minute with a specific capacity of 9.5.



Well Rehabilitation Technology Division



CASE STUDIES

Study C—Investor Owned Utilities

The Aqua Freed process was used to treat well Marianville #4, an open hole well for Aqua America in Forest, PA. The well was completed in November 2005, yielding 100 GPM. Within 4 months, the wells capacity declined to 60 GPM, with a specific capacity of .30. On April 1, 2005 the well was treated using the Aqua Freed Process followed by airlift development for 2 days. Post treatment pumping tests produced 100 GPM with a specific of 2.1. This well was subsequently equipped with Aqua Gard preventative maintenance system, as were the other 4 wells in the well field.

Study D—Superfund product recovery well

The Aqua Freed process was used to treat a product recovery well for Ciba Specialty Corp. in King of Prussia, PA. Prior to using Aqua Freed, countless well rehabilitation efforts were made using chemical and mechanical methods, yielding little to no results. On June 4, 1996 a pretreatment pumping test was performed producing 9 GPM with a specific of .10. Post treatment pumping tests, yielded 14.8 GPM with a specific of 1.25, an increase of 955%. Since that date all wells in the pump and treat system, have been serviced using Aqua Freed with excellent results.

