



**PASCO COUNTY BOARD OF COUNTY
COMMISSIONERS
PURCHASING DEPARTMENT
8919 GOVERNMENT DRIVE
NEW PORT RICHEY, FLORIDA 34654**

TELEPHONE: (727) 847-8194

FACSIMILE: (727) 847-8065

www.PascoCountyFL.net

INVITATION TO BID

BID NO. 10-011D

**AS NEEDED WELL REHABILITATION AND REPAIR
SERVICES, ANNUAL AWARD**

The Pasco County Purchasing Department will receive sealed bids until **2:30 p.m.**, local time (our clock), on **December 22, 2009**, in the Pasco County Purchasing Department, 8919 Government Drive, New Port Richey, Florida 34654. Bids received after this time will not be accepted. Bids will be publicly opened and read at the above-stated time and date. All interested parties are invited to attend. Bidders shall submit one (1) original of the submitted bid.

The work includes: pump removal and replacement; borehole geophysical logging; downhole video surveys; specific capacity testing; well abandonment; well deepening or back-plugging; as well as needed repair services.

The estimated annual expenditure is approximately \$120,000.00.

The complete scope of work, bid documents including the contract document and specifications may be viewed and downloaded at www.PascoPurchasing.com.

The Board of County Commissioners of Pasco County, Florida, reserves the right to reject any and all bids received.

A handwritten signature in cursive script that reads "Dawn Lopinto".

Dawn Lopinto
Buyer

CONTRACT DOCUMENTS

For

As needed Well Rehabilitation and Repair Services



OWNER

BOARD OF COUNTY COMMISSIONERS
PASCO COUNTY, FLORIDA

ENGINEER

PASCO COUNTY
UTILITIES CONSTRUCTION DEPARTMENT (PCU)
PUBLIC WORKS/UTILITIES BUILDING, SUITE 205
7530 LITTLE ROAD
NEW PORT RICHEY, FL 34654

NOVEMBER 2009

PCU PROJECT NO. 10-007.00

BID NO. 10-011D

Project Location:

Pasco County, FLORIDA

Michael S. Helfrich, P.E.
ENGINEER

OWNER'S REF NO.

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SECTION 00020

INVITATION TO BID

Sealed proposals for **As needed Well Rehabilitation and Repair Services** addressed to the Pasco County Purchasing Department, 8919 Government Drive, New Port Richey, Florida 34654, will be received at the office of Scott Stromer, Purchasing Director, Pasco County, until **2:30 pm.**, local time, on **December 22, 2009** and then will be publicly opened and read. Any bids received after the time and date specified will not be considered.

The WORK includes: pump removal and replacement; borehole geophysical logging; downhole video surveys; specific capacity testing; well abandonment; well deepening or back-plugging; as well as needed repair services. When called for under the provisions of the CONTRACT, the CONTRACTOR shall provide all materials, equipment, skills, tools and labor that are necessary and incidental for performance of the services included in this Contract. The County will select one Florida State licensed Well Drilling Contractor who will satisfactory perform all work embraced under these Contract Documents in compliance with Southwest Florida Water Management District (SWFWMD), Florida Department of Environment Protection (FDEP) and Florida Administrative Code (F.A.C.) requirements.

Questions concerning the contract or technical portions of the bid document must be submitted in writing to Pasco County Purchasing Department; 8919 Government Drive; New Port Richey, Florida 34654; facsimile (fax) machine number (727) 847-8065.

Insurance coverage is required for this project; please refer to the Contract Conditions. No Bid Bond is required.

All Certificates of Insurance shall be either executed by or countersigned by a licensed resident agent of the insurance company having his place of business in the State of Florida. Further, said insurance company shall be dully licensed and qualified to do business in the State of Florida.

Each bid shall also be accompanied by a properly completed and executed copy of the "Certification under section 287.087, Florida Statutes, of a Drug-Free Workplace". In case of tie bids, preference will be given to vendors submitting the certification with their bids certifying that they have a drug-free workplace.

Bids may be withdrawn prior to the date and time of bid opening; however, no bid may be modified or withdrawn for a period of ninety (90) days after the date of bid opening, except under the following conditions:

1. Bids may be modified or withdrawn by an appropriate document duly executed (in the manner that a bid must be executed) and delivered to the place where bids are to be submitted at any time prior to the opening of bids.

In order to perform public work, the successful Bidder shall, as applicable, hold or obtain such Contractor's and Business Licenses and Certifications required by State Statutes and local ordinances in order to perform the job specified herein.

Before a Contract will be awarded for the work contemplated herein, the Owner shall conduct such investigations as are necessary to determine the performance record and ability of the apparent low

Bidder to perform the size and type of work specified under this Contract. Upon request, the Bidder shall submit such information as deemed necessary by the Owner to evaluate the Bidder's qualifications.

Bid documents are normally available at the following location:

<http://www.pascocountyfl.net/purchasing>.

Bid documents may also be reviewed at the following locations:

Pasco County Utilities
Department
7530 Little Road, S-205
New Port Richey, FL 34654

Pasco County Purchasing Dept.
Pasco County Govt. Complex
8919 Government Drive
New Port Richey, FL 34654

The County is not responsible for expenses incurred prior to the award of the Contract by the Board of County Commissioners.

The right is reserved to reject all bids or any bid not conforming to the intent and purpose of the Contract Documents, and to postpone the award of the Contract for a period of time which, however, shall not extend beyond ninety (90) days from the bid opening date.

Envelope must be identified as follows:

NAME OF ITEM BEING BID:

As Needed Well Rehabilitation and Repair Services

BID NO. **10-011D**

OPENING DATE: **December 22, 2009**

Scott Stromer
Purchasing Director

SECTION 00100

INSTRUCTIONS TO BIDDERS

BID NO.: 10-011D

SPECIFICATIONS FOR: **As Needed Well Rehabilitation and Repair Services**

BID MUST BE RECEIVED AND OPENED BY: **December 22, 2009**

PLACE OF BID AND DELIVER TO: **Purchasing Department, 8919 Government Drive, New Port Richey, FL 34654**

GENERAL TERMS AND CONDITIONS:

1. Bids: The responsibility for delivering the bid to the Purchasing Department on or before the stated time and date is solely and strictly the responsibility of the Bidder. The Purchasing Department is in no way responsible for delays caused by the mail service or any other occurrence.

The lower corner of the envelope in which the bid is enclosed must be notated **SEALED BID NO.10-011D**. The Bidder shall be responsible for reading, very carefully and understanding completely, the requirements and the specifications of the items bid upon. Bid time will end and must be scrupulously observed. Under no circumstances will bids delivered after the time specified be considered. Such bids will be returned to the Bidder unopened. Do not include more than one (1) bid per envelope.

Bidders will not be allowed to modify their bids after the opening time and date except as stipulated in the Invitation to Bid. Offers by telephone or telegram will not be accepted. Bid files may be examined during normal working hours by appointment.

2. Before submitting a bid, each bidder shall make all investigations and examinations necessary to ascertain all site conditions and requirements affecting the full performance of the contract and to verify any representations made by The Owner upon which the bidder will rely. If the bidder receives an award as a result of its bid submission, failure to have made such investigations and examinations will in no way relieve the bidder from its obligation to comply in every detail with all provisions and requirements of the contract documents, nor will a plea of ignorance of such conditions and requirements be accepted as a basis for any claim whatsoever by the Contractor for additional compensation.
3. Prices: Firm prices shall be quoted, typed or printed in ink, and include all packing, handling, shipping charges, and delivery to the destination when specified. If the quoted price is subject to time limitation as to acceptance, the expiration of such time shall be clearly stated.
4. Conditions of Materials and Packing: Unless otherwise indicated, it is understood and agreed that any item offered or shipped on this bid shall be new and in first class condition. It is further understood that all containers shall be new and suitable for storage or shipment and that prices include standard commercial packaging.

5. Claims: Pasco County shall not be responsible for making any and all claims against carriers for missing or damaged items. The successful Bidder(s) will be responsible for making any and all claims against carriers for missing or damaged items.
6. Specifications: Any deviation from specifications listed herein must be clearly indicated; otherwise, it will be considered that items offered are in strict compliance with these specifications and the successful Bidder will be held responsible therefore. Deviations must be explained in detail on an attached sheet(s) and itemized by number. Any item or items that do not meet Pasco County specifications upon delivery will not be accepted and if the item cannot be brought up to specifications in a reasonable time, the bidder will be required to compensate the County for the difference in price entailed in going to the next low Bidder.
7. Additional Information: Additional information on the wells such as surveys, maps, soil logging, etc., if available, will be provided to Bidders upon request in good faith, so that said Bidders may have access to identical information, which is available to the Owner and are not intended as a substitute for personal investigation, interpretation and judgment of the Bidders.
8. No Bid: Where more than one item is listed, any items not bid upon shall be indicated as "NO BID". If not items are bid, the "STATEMENT OF NO BID" should be returned. Failure to do so could be an indication that the bidder does not wish to be considered for future bids.
9. Acceptance and Rejections: The Pasco County Board of County Commissioners reserves the right to reject any and all bids in whole or in part; to award any item, group of items, or total bid, unless otherwise specified by the bidder, to waive any informality or technical defects in bids, to accept the lowest bid meeting specifications or accept the bid which is most advantageous and in the best interest of Pasco County. Completion time, as well as price, can be strong factors in determining the bid that is the most advantageous to Pasco County.
10. If Bidder is a corporation or firm, the legal name of the corporation shall be set forth above the signature, together with the signature of an officer (s) or agent(s) authorized to sign contracts accompanied by evidence of authority to sign on behalf of the corporation. If Bidder is a partnership, the true name of the firm shall be set forth above, together with the signature of the partner or partners authorized to sign Contracts accompanied by evidence of authority to sign on behalf of the partnership. If signature is by an agent, other than an officer of the corporation or a member of a partnership, a notarized power-of-attorney must accompany the Bidder's Bid.
11. Failure to provide evidence of authority as referenced in paragraph 10 above may cause the Proposal to be regarded as not properly authorized and may subject it to rejection (disqualification).
12. The Bidder agrees that submission of a signed bid form is certification that a bidder will accept an award made to it as a result of the submission.
13. Taxes: Pasco County does not pay Federal Excise and Sales Taxes on direct purchases of tangible personal property. Exemption Number is found on the face of County Purchase Orders. This exemption does not apply to purchases of tangible personal property made by Contractors who use the tangible personal property in the performance of contracts for improvement of County-owned real property [see State of Florida, Chapter 192, Florida Statutes (F.S.)].

14. Interpretations: Any questions concerning conditions, specifications, or requests for additional information pertaining to this bid, must be in writing addressed to Purchasing Department (listed previously) for receipt no later than ten (10) days prior to bid opening. Inquiries must reference the bid number. Failure to comply with this condition will result in bidder waiving her/his right to dispute the bid specifications. Answers to questions and/or supplemental instructions will be in the form of written addendum to the bidding documents prior to the bid opening.
15. Bidders shall acknowledge receipt of any amendment to the solicitation by identifying the amendment number in the space provided for this purpose on the bid form, by letter, or by returning a copy of the issued amendment with the submitted bid. The acknowledgment must be received by Pasco County by the time and at the place specified for the receipt of bids. Failure to acknowledge an issued amendment may result in bid rejection and disqualification.
16. To demonstrate qualifications to furnish specified goods and/or services, Bidder shall submit written information, within five (5) days of the Owner' request, such as financial data.
17. Any Bid may be deemed non-responsive which contains omissions, erasures, alterations, or additions of any kind, or prices uncalled for, or which may be obviously unbalanced, or which in any manner shall fail to conform to the requirements provided for herein.
18. Unnecessarily elaborate brochures or other presentations beyond those sufficient to present a complete and effective response to the solicitation are not desired and may be construed as an indication of the bidder's lack of cost consciousness. Elaborate art work, expensive paper and bindings, and expensive visual and other presentations are neither necessary nor desired.
19. Unless otherwise specified the bidder shall define any warranty service and replacements that will be provided during and subsequent to this contract. Bidders must explain on an attached sheet to what extent warranty and service facilities are provided
20. Bidders taking exception to any part or section of the solicitation shall indicate such exceptions on the bid form or appendix. Failure to indicate any exception will be interpreted as the bidder's intent to comply fully with the requirements as written. Conditional or qualified bids, unless specifically allowed, shall be subject to rejection in whole or in part.
21. Conflict of Interest: The award hereunder is subject to provisions of Chapter 112, F.S. All Bidders must disclose with their bid the name of any office, director, or agent who is also an employee of Pasco County, Florida. Further, all bidders must disclose the name of any Pasco County employee who owns, directly or indirectly, an interest of ten (10) percent or more in the bidder's firm or any of its branches.
22. Law Compliance. Each party will comply with all applicable federal, state and local laws, rules, regulations and guidelines, related to performance under this Agreement. In particular, the Contractor verifies and affirms that it is in compliance with 8 USC Sec. 1324 prohibiting the employment either directly or by contract, subcontract or exchange of unauthorized aliens in the United States. The County will consider the employment of unauthorized aliens by any Contractor during the term of the Agreement a violation of the Immigration and Nationality Act. Such violation shall be cause for unilateral cancellation of this Agreement by the County.
23. Legal Requirements: Federal, State, County, and local laws, ordinances, rules and regulations that in any manner the items covered herein apply. Lack of knowledge by the bidder will in no way be a cause for relief from responsibility.

24. Bid Tabulations: Bidders desiring a copy of the Bid Tabulation of this Invitation to Bid may request same by enclosing a self-addressed stamped envelope with their bid.
25. Pasco County Form: All bid proposals must be submitted on the enclosed standard Proposal Form. Bid proposals on vendor quotation forms will not be accepted.
26. Non-appropriation of Funds: In the case of non-appropriation of funds to continue the function performed or obtained by this award, the award shall be terminated when appropriated funds are expired and the bidder shall have only the right and remedy to take possession of equipment pertaining to the award.
27. Bids received without being in the lower left-hand corner of the envelope may be rejected and returned to the sender. If bids are sent via Express Mail, bid proposal pages MUST be placed in a sealed envelope, properly identified, within the Express Mail envelope. No responsibility will attach to Pasco County or any official or employee thereof, for the pre-opening of, post-opening of, or the failure to open, a proposal not properly addressed and identified.
28. Each bid shall also be accompanied by a properly completed and executed copy of the "Certification under section 287.087, Florida Statutes, of a Drug-Free Workplace". In case of tie bids, preference must be given to vendors Bidders submitting the certification with their bids certifying that they have a drug-free workplace. A copy of this form is included in the bid documents.
29. Public Entity Crime information Statement: A person or affiliate who has been placed on the convicted vendor list following a conviction for a public entity crime may not submit a bid on a contract to provide any goods or services to a public entity, may not submit a bid on a contract with a public entity for the construction or repair of a public entity, may not be work, may not submit bids on leases of real property to a public entity, may not be awarded or perform work as a contractor, supplier, subcontractor, or consultant under a contract with any public entity, and may not transact business with any public entity in excess of the threshold amount provided in Section 287.017, for CATEGORY TWO for a period of 36 months from the date of being placed on the convicted vendor list.
30. The Contractor, by submission of its proposal, certifies that to the best of his/her knowledge or belief, no elected/appointed official or employee of the County is financially interested, directly or indirectly, in the offer of goods or services specified in this invitation.
31. By submission of bid, bidder certifies that the contractor(s) and/or subcontractor(s) providing product(s) or service(s) shall, in the execution or performance of such a contract, maintain fair labor standards as defined in applicable State and Federal Regulations.
32. By submission of bid, bidder certifies that the contractor(s) and/or subcontractor(s) providing product(s) or service(s) shall not discriminate against any employee or applicant for employment, to be employed in the performance of such contract, with respect to his/her hire, tenure, terms, conditions, or privileges of employment, because of his/her race, color, religion, sex, disability, or national origin, as outlined in applicable State and Federal Regulations

END OF SECTION

INSTRUCTIONS TO BIDDERS
00100-4

SECTION 00120

SPECIAL PROVISIONS

ARTICLE SP - 1 HOURS OF WORK

- A. The Contractor recognizes that much of the Work will be performed during business hours or otherwise approved by the County. Therefore, the hours of work that will be allowed for this project are between 8:00 am and 5:00 pm local time for Pasco County, FL. Permission to work outside of these specified hours requires written permission from the Owner.

ARTICLE SP - 2 PERMITS

- A. Upon notice of a WORK ORDER, the CONTRACTOR shall immediately apply for permits necessary for the requested WORK ORDER from the pertinent governmental agency or agencies. No well modification or drilling operations shall be commenced until the permits have been obtained. Costs for such permits shall be paid by the Contractor and shall be included in the various Bid Items in the Proposal Section as applicable.
- B. Each bidder shall be familiar with the requirements of the permit conditions that relate to Work embraced under this Contract and shall include the cost of satisfying these permit conditions in developing a bid proposal for the specified Work.

ARTICLE SP - 3 ABOVEGROUND AND UNDERGROUND OBSTACLES

- A. The CONTRACTOR shall be responsible for fully investigating and coordinating the identification of aboveground and underground obstacles such as electrical lines, telephone cables, sewers, water, and gas lines before activity commences. The CONTRACTOR shall provide a written statement indicating the results of the utility search to OWNER's Representative prior to commencing activities. The OWNER shall not be responsible for damages as a result of the CONTRACTOR'S failure to protect utilities encountered.
- B. The CONTRACTOR shall excavate to not less than 4 feet below land surface to check for obstructions (such as buried utilities) prior to commencing any drilling activities. The hole dug to check for obstructions must be at least as wide as the widest drill bit or auger used for well installation.

ARTICLE SP - 4 MOBILIZATION AND CLEANUP

- A. The CONTRACTOR shall notify the at least five days (excluding Saturdays, Sundays, and holidays) prior to mobilization onto the site and commencement of activities. The CONTRACTOR shall move in and move out all necessary personnel and equipment, set up and remove drilling rigs, equipment and temporary facilities, perform all site clearing and grubbing and remove all remaining debris, unused materials, and other miscellaneous items resulting from or used in the performance of the work.
- B. All formation cuttings shall be contained in FDOT-approved roll-off structures or equal in order to minimize adverse impacts to the drill site. The CONTRACTOR will provide roll-offs. Costs are to be provided by the CONTRACTOR for providing the roll-off containments structures and disposing of the drill cuttings in an environmentally sound

SPECIAL PROVISIONS

manner consistent with applicable laws and regulations. The CONTRACTOR will supply any equipment necessary to transfer cuttings to the roll-off structures. Discharge water during drilling and testing operations shall be directed to a location approved by the OWNER.

- C. The CONTRACTOR shall keep the work site free at all times from accumulation of waste materials and rubbish resulting from the work and at the completion thereof shall clean up the work site in a manner satisfactory to the OWNER. Any spill of fuel, hydraulic fluid, or oil shall be contained. Any contaminated soil and refuse shall be removed and disposed of in an environmentally sound manner consistent with all applicable federal, state and local regulations. The CONTRACTOR shall clean and remove from the property all excess material, equipment, debris, and rubbish caused by the work. The CONTRACTOR shall fill in all holes or excavations with clean fill material and restore grade to the elevations that existed prior to the commencement of the work. Should the CONTRACTOR fail to comply with the provisions of this paragraph, OWNER shall have the right, on having given two day's notice to the CONTRACTOR, to perform such cleaning and/or removal of said excess material, equipment, debris, and rubbish and charge the cost and expense of such removal to the CONTRACTOR.

ARTICLE SP - 4 WATER AND ELECTRICITY

- A. Water for drilling, cleaning, and other necessary field activities may not be available at the site, therefore, the CONTRACTOR shall be responsible for collecting and transporting all contaminant-free water to the drilling areas for required use. The source of this water shall be made known to the OWNER's Representative in order to collect a water-quality sample, if necessary. Electricity may not be available at the site. Therefore, the CONTRACTOR shall provide all necessary power to perform and complete the work.

ARTICLE SP - 5 WORK ORDERS AND WORK ORDER PROCEDURES

- A. Upon execution of the Agreement, the Contractor will begin receiving Work Orders. The Contractor will be issued a separate Work Order for each particular item of work assigned by the Owner. Each Work Order shall describe the work included and stipulate the maximum fee as well as the number of calendar days within which the Contractor must both commence and complete the work for the particular Work Order. The Contractor shall execute the work in Pasco County as directed by the Owner's Representative on the Work Order for scheduled or emergency work. Work Orders will be executed by the Assistant County Administrator for Utilities Services, or his designee.
- B. Work Order completion schedules will be developed by the Owner's Representative according to the needs of the Owner. The Contractor shall review the Work Order(s) to ensure that the Contractor can complete the Work Order(s) according to the schedule listed in the Work Order(s). It is the Owners intent to level or balance the work to be performed under this contract to the extent possible. To this end, the Owner will provide schedule relief for non-emergency work in those instances when emergency work is requested to be performed.
- C. For Scheduled Services the Owner shall execute a Work Order and deliver it to the Contractor. The Contractor shall complete the work within the time stipulated on the Work Order. The Contractor shall return the completed Work Order to the Owner upon completion of the work. For emergency Work, the Work Order may be executed the

SPECIAL PROVISIONS

next business day by the Owner's Representative and shall be completed as required by the Contractor.

- D. For Scheduled Work the Owner's Representative will contact the Contractor for a proposal to complete a particular Work Order. The Contractor shall respond within three (3) business days with a work order proposal including time to complete work, cost based on the Bid Items of the Proposal Section, number of hours of proposed work when labor rate is involved, anticipated materials with cost and markup, and total cost. The cost of materials used to complete the work, excluding repair parts, shall be included in the various contract bid prices. The Owner's Representative shall then revise the Work Order and will approve or reject the said proposal. Upon execution of the Work Order the Owner's Representative shall then deliver it to the Contractor. The Contractor shall not receive additional compensation for the work order proposal process. The Contractor shall have no claim for compensation greater than the maximum listed on the Work Order Form unless approved by the Owner's Representative in advance.
- E. During Emergencies a duly authorized employee of the Owner will contact the Contractor for work to be performed anytime Monday through Friday, all Saturdays, all Sundays, including all holidays recognized by Pasco County. The Contractor shall respond to emergency requests within two (2) hours from notification and begin work on-site within four (4) hours as directed by the authorized employee. No more than sixteen (16) hours shall be allowed per incident unless authorized by the Owner's Representative.
- F. Following execution of any part of any work as described in Work Order, and within time stipulated in the Work Order, the Contractor shall submit a written proposal for any additional work that, in the Contractor's opinion, is not listed in the Work Order or any part replacement that might be needed. The proposal shall list all recommended work, describing each item of work in sufficient detail and listing all materials and repair parts to be incorporated into the work and labor hours required to complete each work item. Additional materials not included and incorporated into the work shall reflect a mark-up not exceeding 10% on actual material cost. The Owner's Representative shall then revise the proposal and deliver it to the Contractor to complete the work. Owner reserves the right to reject the proposal at its sole discretion.

ARTICLE SP - 6 WORK ORDER CLOSE OUT

- A. For payment of work under this contract, the Contractor shall submit to the Owner the properly executed copies of the Work Order(s), proof of additional materials costs incorporated into the Work and the Contractor invoice. The invoice shall include Work Order number, location of work, cost of the work according to the Pay Items in the Bid Form, costs for the additional materials incorporated into the work plus 10% markup, and actual dates and time of the work. Only actual time on-site shall be billed. The Owner will evaluate the Application for Payment within forty-five (45) days, which shall meet the requirements set forth in these Contract Documents. Upon approval, the Assistant County Administrator for Utilities Services, or his delegate, will authorize final payment to be made and close out the Work Order(s). Application for payment shall be on a monthly basis or otherwise approved by the County.
- B. All work and support documentation shall be subject to verification by the Owner.

SPECIAL PROVISIONS

Contractor shall maintain logs to verify work and services performed. Failure to maintain adequate records may result in delays in payments.

ARTICLE SP - 7 BOUNDARIES OF WORK INGRESS AND EGRESS

- A. Rights-of-way for the work specified in this contract have been cleared through easement agreements or permits and suitable provisions for ingress and egress have been made. The CONTRACTOR shall not enter on or occupy with men, tools, equipment, or materials, any ground outside permissible boundaries specified in each WORK ORDERS authorized by the Owner's Representative without the written consent of Owner's Representative. The CONTRACTOR shall obtain access to the Sites prior to initiation of services under this AGREEMENT. The CONTRACTOR shall be responsible for locking all gates and well house doors accessed while performing and completion of the Work.

ARTICLE SP – 8 CERTIFICATE OF INSURANCE

- a. Prior to the time Contractor is entitled to commence any part of the project, work, or services under the Contract, Contractor shall procure, pay for, and maintain at least the following insurance coverage and limits. Said insurance shall be evidenced by delivery to the County of 1) certificates of insurance executed by the insurers listing coverage and limits, expiration dates and terms of policies and all endorsements whether or not required by the County, and listing all carriers issuing said policies; and 2) upon request, a certified copy of each policy, including all endorsements. The insurance requirements shall remain in effect throughout the term of the Contract.
- b. Workers' Compensation insurance shall be provided by the Contractor as imposed by Florida statutes. Provide at a minimum liability limits of at least \$100,000 each accident and \$100,000 each accident. The Contractor agrees to waive of subrogation as part of this coverage.
- c. Comprehensive General Liability Insurance including, but not limited to, Independent Contractor, Contractual, Premises/Operations, Products/Completed Operation and Personal Injury covering the liability assumed under indemnification provisions of the Contract, with limits of liability for personal injury and/or bodily injury, including death, of not less than \$1,000,000.00, each occurrence; and property damage of not less than \$500,000.00, each occurrence. (Combined single limits of not less than \$1,000,000.00, each occurrence, will be acceptable unless otherwise stated). Coverage shall be on an "occurrence" basis, and the policy shall include Broad Form Property Damage coverage and Fire Legal Liability of not less than \$50,000.00 per occurrence, unless otherwise stated by exception herein.
- d. Comprehensive Automobile and Truck liability covering owned, hired, and nonowned vehicles with combined single limits of not less than Five Hundred Thousand and 00/100 Dollars (\$500,000.00), each occurrence. Coverage shall be on an "occurrence" basis, such insurance to include coverage for loading and unloading hazards.
- e. Each policy shall require that thirty (30) days prior to expiration, cancellation, non-renewal, or any material change in coverage or limits, a notice thereof shall be given to County by certified mail to: Pasco County Purchasing Department, 8919 Government Drive, New Port Richey, Florida, 34654. Contractor shall also notify County, in a like

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manner, within twenty-four (24) hours after receipt, of any notices of expiration, cancellation, non-renewal, or material change in coverage received by said Contractor from its insurer; and nothing contained herein shall absolve Contractor of this requirement to provide notice.

- f. Companies issuing the insurance policy, or policies, shall have no recourse against County for payment of premiums or assessments for any deductibles which all are at the sole responsibility and risk of Contractor.
- g. The term "Owner," "County," or "Pasco County" shall include all Authorities, Boards, Bureaus, Commissions, Divisions, Departments, and Offices of County and individual members, employees thereof in their official capacities, and/or while acting on behalf of Pasco County.
- h. Pasco County Board of County Commissioners shall be endorsed to the required policy or policies as an additional named insured.
- i. The policy clause "Other Insurance" shall not apply to any insurance coverage currently held by County to any such future coverage, or to County's self-insured retentions of whatever nature.
- j. County hereby waives subrogation rights for loss or damage against the County.

ARTICLE SP – 9 CONTRACT CONDITIONS

- A- By entering into a contract, the Contractor conveys, sells, assigns, and transfers to the Owner all rights, titles, and interest it may now have or hereafter acquire under the antitrust laws of the United States and the State of Florida that relate to the particular goods or services purchased or acquired by the Owner under said contract.
- B- During the Contract time, the Contractor shall provide the goods and/or services described in the Contract. The Contractor understands and agrees this is a requirements contract and the Owner shall have no obligation to the Contractor if no goods and/or services are required. Any quantities that are included in the scope of work reflect the current expectations of the Owner for the Contract time. The amount is only an estimate and the Contractor understands and agrees the Owner is under no obligation to the Contractor to buy any amount of the goods and/or services as a result of having provided this estimate or of having any typical or measurable requirement in the past. The Contractor further understands and agrees the Owner may require services in an amount less than or in excess of the estimated contract amount and the quantity actually used, whether in excess of the estimate or less than the estimate, shall not give rise to any claim for compensation other than the total of the unit prices in the Contract for the quantity actually used.
- C- No oral statement of any person shall modify or otherwise affect the terms, conditions, or specifications stated in the Contract. All modifications to the Contract (i.e., changes to the Contract Price and scope of work) or purchase order must be made in writing by the Owner.
- D- All materials, supplies, and services performed under the terms of this Agreement shall comply with the requirements and standards specified in the Williams-Steiger

SPECIAL PROVISIONS

Occupational Safety and Health Act of 1970 (Public Law 91-596), as well as other applicable Federal, State, and local codes.

- E- The Contractor shall institute and maintain throughout the Contract time a properly documented quality control program designed to ensure that the goods and/or services are provided in accordance with the Contract. The Owner may require documentation demonstrating an effective quality control program at any time prior to and during the performance of the Contract. The program shall include providing daily supervision and conducting frequent inspections of the Contractor's staff and ensuring that accurate records are maintained describing the disposition of all complaints. The records so created shall be open to inspection by the Owner.
- F- The Contractor shall be legally considered an independent contractor and neither the Contractor nor its employees shall, under any circumstances, be considered servants or agents of the Owner; and the Owner shall be at no time legally responsible for any negligence or other wrongdoing by the Contractor, its servants or agents. The Owner shall not withhold from the Contractor any Federal or State unemployment taxes, Federal or State income taxes, Social Security tax, or any other amounts for benefits to the Contractor. Further, the Owner shall not provide to the Contractor any insurance coverage or other benefits, including workers' compensation, normally provided by the Owner for its employees.
- G- The Contract shall be governed in all respects by the laws of the State of Florida, and any litigation with respect thereto shall be brought in the courts of Pasco County, Florida. The Contractor shall comply with all applicable Federal, State, and local laws and regulations. Lack of knowledge by the bidder will in no way be a cause for relief from responsibility.
- H- In any and all claims against the County or any of its agents or employees, by any employee of the Contractor, any subcontractor, anyone directly or indirectly employed by any of them or anyone for whose acts any of them may be liable, the indemnification obligation, as outlined in these Documents, shall not be limited in any way as to the amount or type of damages, compensation or benefits payable by or for the Contractor or any subcontractor under Workers' Compensation Acts, disability benefit acts, or other employee benefit acts.
- I- The Owner reserves the right to cancel a resulting contract, without cause, by giving thirty (30) days prior written notice to the Contractor of the intention to cancel.

ARTICLE SP – 10 PERIOD OF CONTRACT

- A- Unless prior notice to the contrary is given to the Contractor by the Owner, the Contract shall be in full force and effect starting on the date of execution of the Contract by the Pasco County Board of County Commissioners and continuing for 365 Calendar days. However, the Contract can be renewed, upon the same terms and conditions, for two (2) additional one (1) year periods, if agreeable to both parties, and if funds are available subject to the Price Escalation terms as further described herein.

ARTICLE SP – 11 PRICE ADJUSTMENTS BASED ON THE CONSUMER PRICE INDEX (CPI)

- A- The contract unit prices shall remain firm for the first twelve (12) months of the contract. The unit prices for ensuing contract years shall be based on the movement of the

SPECIAL PROVISIONS

unadjusted figures of the U.S. Department of Labor Consumer Price Index for All Urban Consumer (CPI-U). The contract unit prices will be changed by Pasco County, upon written request of the Contractor, in an amount no more than the percentage of movement of the CPI-U (Table A) for "All Items" (unadjusted) for twelve (12) month period ending at the anniversary of the Contract. The Contract unit price(s) changed as a result of these adjustments shall become effective on each respective anniversary of the Contract and shall be binding on the Contractor for each of the subsequent contract periods.

END OF SECTION

SPECIAL PROVISIONS

00120-7



**PASCO COUNTY BOARD OF COUNTY COMMISSIONERS
PURCHASING DEPARTMENT
8919 GOVERNMENT DRIVE
NEW PORT RICHEY, FLORIDA 34654**

STATEMENT OF NO BID

We, the undersigned, have declined to submit a bid response to Invitation for Bid No. **10-011D** for the following reason(s):

Please check all that apply.

1. Opening date does not allow sufficient time to complete bid response.
2. We do not offer the commodities or services requested.
3. Our schedule would not permit us to perform.
4. We are unable to meet the issued specification.
5. Specifications are restrictive. (Please explain below)
6. We are unable to meet the surety requirements.
7. Other: _____

Explanations: _____

We understand that if a "NO BID" is not returned, our firm will be removed from the bidders' list for the subject commodity.

Name: _____

Signature: _____

Company: _____

Address: _____

City/State/Zip: _____

Telephone: _____

Facsimile: _____

Fed ID No.: _____

STATEMENT OF NO BID

BIDDER'S NAME _____

SECTION 00300

PROPOSAL

NOTE TO BIDDER: Use BLACK ink for completing this Proposal form.

To: Pasco County Purchasing Director

Address: 8919 Government Drive
New Port Richey, FL 34654

Project Title: **As Needed Well Rehabilitation and Repair Services**

OWNER's Bid No. **10-011D**

BIDDER'S DECLARATION AND UNDERSTANDING

The undersigned, hereinafter called the Bidder, declares that the only persons or parties interested in this Proposal are those named herein, that this Proposal is, in all respects, fair and without fraud, that it is made without collusion with any official of the OWNER, and that the Proposal is made without any connection of collusion with any person submitting another Proposal on this contract.

The Bidder understands and agrees that if a contract is awarded, the OWNER may elect to award all bid items under one contract that best serves the interests of the OWNER.

The Bidder further declares that he has carefully examined the Contract Documents for the construction of the project, that he has personally made all pertaining investigations, that he has satisfied himself as to the quantities involved, including materials and equipment, and conditions of work involved, including the fact that the description of work and materials, as included herein, is brief and is intended only to indicate the general nature of the work and to identify the said quantities with the detailed requirements of the Contract Documents, and that this Proposal is made according to the provisions and under the terms of the Contract Documents, which documents are hereby made a part of this Proposal.

CONTRACT EXECUTION

The Bidder agrees that if this Proposal is accepted, he will, within ten (10) days, not including Sundays and legal holidays, after the date of Notice of Intent of Award, sign the Contract in the form annexed hereto, and will deliver to the Owner.

CERTIFICATES OF INSURANCE

The Bidder further agrees to furnish the Owner the Certificates of Insurance as specified in these documents. The award of this Contract is conditioned upon the Owner's receipt and acceptance of these Certificates. Failure to comply with this requirement within the ten (10) from the Intent of Award letter will immediately void the Agreement without further action by or cost to the Owner.

BID PROPOSAL

00300-1

START OF CONSTRUCTION AND CONTRACT COMPLETION TIMES

The Bidder further agrees to begin work within the time stipulated on each individual Work Order and to complete the Work, in all respects, within the number of calendar days allotted, after the date indicated on the Work Order executed by the Assistant County Administrator for Utility Services, or his designee.

LIQUIDATED DAMAGES

The Contractor agrees that should the Contractor fail to complete the work as specified and as directed in the Work Order(s), the Contractor shall pay the Owner for delay and loss of use, and not as a penalty but as liquidated damages, the sum of Fifty Dollars and 00/100 (\$50.00) for each calendar day after the date of completion listed in the Work Order. Default days shall be counted in calendar days, excluding Sundays and legal holidays. Liquidated damages will be deducted from any pending payment(s) due to the Contractor.

Permitting the Contractor to continue and to finish the Work, or any part of it, after the expiration of the contract time(s) allowed, including extensions of time granted to the Contractor, shall in no way act as a waiver on the part of the Owner of the terms under the Agreement.

QUALIFICATION OF BIDDERS

Bids will only be considered from Bidders who regularly provide similar goods and/or services. To those specified herein Bidder shall document their qualifications and experience in providing such goods and/or services and submitting this documentation with the Proposal. Furthermore, the successful bidder shall hold all applicable certifications to install the equipment specified herein.

By submitting a bid, the bidder certifies that it is not currently debarred from submitting bids for contracts issued by any political subdivision or agency of the State of Florida and that it is not an agent of a person or entity that is currently debarred from submitting bids for contracts issued by any subdivision or agency of the State of Florida.

ADDENDA

The Bidder hereby acknowledges that he has received Addenda Nos. _____, _____, _____, _____, (Bidder shall insert the Addendum Number of each addendum received) and agrees that all addenda issued are hereby made part of the Contract Documents, and the Bidder further agrees that his Proposal(s) includes all impacts resulting from said addenda.

TAXES AND CHARGES

The Bidder agrees that all Federal, State, and local sales, use and withholding taxes, and all Social Security charges and unemployment compensation charges, are included in the stated prices bid for the work.

RIGHT TO AWARD

The Bidder understands and agrees that the OWNER reserves the right to award the work or negotiate a contract for the work however deemed by the OWNER to be in the best interest of the OWNER. Alternately, the OWNER may reject all bids if the OWNER deems said rejection to be in

its best interest.

Award of the contract will be based on the lowest responsive, responsible bidder for the Total Bid Price as provided on the following Bid Form.

CONTRACT PRICE

The undersigned Bidder agrees to accept, as full compensation for all work required by these Contract Documents, the unit price items named in the following Bid Form. It is understood and agreed that the unit prices quoted or established for a particular item are to be used for computing the amount to be paid to the Contractor based on quantities actually constructed as determined by the applicable measurement and payment portion of the technical specifications.

Restoration is considered to be an integral part of the work under the Contract, and all bid prices include the cost of restoration necessitated by the work related to that bid item. Restoration is defined as follows: Any existing structures and property including, but not limited to, paving, stabilized roads, drainage piping and ditches, catch basins, head walls, yard culverts, lawns and ground areas, walkways and irrigation systems that are altered, removed, or damaged during construction shall be restored to the same or better condition than existed prior to construction. Cleanup is an integral part of restoration.

ESTIMATED QUANTITIES

For the SOLE purpose of evaluating the bids, the OWNER has assigned estimated quantities equal to the unit due to the difficulty to determine the actual quantities to be used by the Owner. Actual quantities will be established by the OWNER according to the needs. It is estimated that at least \$120,000.00 annually will be spent under this Contract, however, Contractor understands and agrees the Owner may require services in an amount less than or in excess of the estimated contract amount and the quantity actually used, whether in excess of the estimate or less than the estimate, shall not give rise to any claim for compensation other than the total of the unit prices in the Contract for the quantity actually used.

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BID FORM

Business Name: _____

PROJECT: **As Needed Well Rehabilitation and Repair Services**

Bid No. : 10-011D

A. SCHEDULE SERVICES as per SPECIFICATIONS

Item	Unit	Estimated Quantity	Unit Cost	Total Cost
1 Mobilization	EA	1		
2 Remove/Reinstall	EA	1		
3 Well House	EA	1		
4 Remove/Reinstall Pump	EA	1		
5 Perform Geophysical Logs and Video Survey	/ft ³	1		
6 Perform Specific Capacity Test	/hr	1		
7 Disinfect Well and Bacteriological Clearance	/ft ³	1		
8 Drill borehole	/ft ³	1		
9 Develop Well	/ft ³	1		
10 Back fill open borehole with gravel	/ft ³	1		
11 Clear borehole with drill bit	/ft ³	1		
12 Grout casing	/yd ³	1		
13 Provide and install casing	/ft ³	1		
14 Back-plug bottom of borehole	/ft ³	1		
15 Perform caliper log	EA	1		
16 Plug borehole with bentonite chips	/ft ³	1		
17 Plug casing with neat cement grout	/ft ³	1		
Total Item A				

B. HOURLY RATES FOR REGULAR SERVICES

Item	Unit	Estimated Quantity	Unit Cost	Total Cost
18 Pump installer, Mechanic	/hr	1		
19 Field Superintendent	/hr	1		
20 Crane Operator	/hr	1		
21 Machinist	/hr	1		
22 Laborers/Assistants	/hr	1		
Total Item B				

BID PROPOSAL

00300-4

C. HOURLY RATES FOR “EMERGENCY REPAIR SERVICES”

Item	Unit	Estimated Quantity	Unit Cost	Total Cost
23 Pump installer, Mechanic	/hr	1		
24 Field Superintendent	/hr	1		
25 Crane Operator	/hr	1		
26 Machinist	/hr	1		
27 Laborers/Assistants	/hr	1		
Total Item C				

D. EQUIPMENT RENTAL

Item	Unit	Estimated Quantity	Unit Cost	Total Cost
28 16 Ton Pump Service Rig	/hr	1		
29 12 Ton Pump Service Rig	/hr	1		
30 Tractor Trailer	/hr	1		
31 13 Ton Crane Truck	/hr	1		
32 Air Compressor 125 CFM	/hr	1		
33 Job Truck w/Welding Machine, Tools	/hr	1		
Total Item D				

SUB-TOTAL “A”: \$ _____

SUB-TOTAL “B”: \$ _____

SUB-TOTAL “C”: \$ _____

SUB-TOTAL “D”: \$ _____

SUB-TOTAL (A, B, C AND D): \$ _____

35. Allowance for Replacements/Repair Parts (75% of Sub-Total): \$ _____

TOTAL BID PRICE (All Items):

\$ _____
(Amount Written In Figures)

(Amount Written In Words)

BID PROPOSAL

00300-5

LIST OF SUBCONTRACTORS

The following are subcontractors to be employed by the Contractor and the approximate percentage of the total work to be performed by each.

<u>Name and Address</u>	<u>Description of Work</u>	<u>Estimated % of Total Contract</u>
_____	_____	_____
_____	_____	_____
_____	_____	_____
_____	_____	_____
_____	_____	_____
_____	_____	_____
_____	_____	_____
_____	_____	_____
_____	_____	_____

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BIDDER

The name of the Bidder submitting this Proposal is: _____

_____ doing business at: _____

Street

City

State

Zip

which is the address to which all communications concerned with the Proposal and with the Contract shall be sent.

The names of the principal officers of the corporation submitting this Proposal, or of the partnership, or of all persons interested in this Proposal as principals are as follows:

_____	_____
_____	_____
_____	_____
_____	_____

If Sole Proprietor or Partnership:

IN WITNESS hereto the undersigned has set his (its) hand this ____ day of, 20____.

Signature of Bidder

Typed/Printed Name of Bidder

Title

License Number

Federal I.D. Number

Telephone Number

If Corporation:

IN WITNESS WHEREOF the undersigned corporation has caused this instrument to be executed and its seal affixed by its duly authorized officers this ___ day of _____, 20__.

Name of Corporation

State of Corporation

By _____

Typed/Printed Name

Attest

Secretary

License Number

Federal I.D. Number

Telephone Number

END OF SECTION

BID PROPOSAL

00300-8

DRUG FREE WORKPLACE

In case of tie bids, preference must be given to vendors submitting a certification with their bid/proposal certifying they have a drug-free workplace in accordance with Section 287.087, Florida Statutes. The drug-free certification form below must be signed and returned with the bid.

The undersigned vendor, in accordance with Florida Statute 287.087 hereby certifies that

Name of Business:

does:

6. 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.
7. 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.
8. Give each employee engaged in providing the commodities or contractual services that are under bid a copy of the statement specified in subsection (1).
9. 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 1893 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.
10. 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.
11. 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.

Bidder's Signature

Date

BID PROPOSAL

00300-9

SECTION 00500

AGREEMENT

THIS AGREEMENT is between PASCO COUNTY BOARD OF COUNTY COMMISSIONERS (hereinafter called "OWNER") and _____ hereinafter called "CONTRACTOR").

Owner and Contractor, in all consideration of the mutual covenants hereinafter set forth, agree as follows:

WITNESSETH:

WHEREAS, Owner desires to retain Contractor to provide **Well Rehabilitation and Repair Services**; and

WHEREAS, Owner has selected Contractor in accordance with competitive bidding procedures; and

WHEREAS, Contractor agrees to serve as Owner's Contractor for **Well Rehabilitation and Repair Services** based upon the terms and conditions set forth in this Agreement.

NOW, THEREFORE, in consideration of the premises set forth hereinabove, and of the mutual promises hereinafter set forth, the sufficiency and adequacy of which are hereby acknowledged, the parties hereto, intending to be legally bound hereby, agree as follows:

ARTICLE 1 - WORK

Contractor shall complete all Work as specified or indicated in the Contract Documents. The Work is generally described as follows:

CONTRACTOR shall provide all materials, equipment, skills, tools and labor and incidental that are necessary for performance of the services stated in these Contract Documents.

ARTICLE 2 - ENGINEER

The Project is administered by:

Pasco County Utilities
Public Works/Utilities Building
7530 Little Road, Suite 205
New Port Richey, Florida 34654-5598

Who is hereinafter called Engineer and who is to act as Owner's Representative, assume all duties and responsibilities, and have the rights and authority assigned to Engineer in the Contract Documents in connection with completion of the Work in accordance with the Contract Documents.

ARTICLE 3 - CONTRACT TIME

3.1 This Agreement shall be in full force and effect starting on the date of the Agreement and continuing for 365 consecutive calendar days. However, this Agreement can be renewed, at the same terms and conditions, for two (2) additional one (1) year periods, if agreeable by

both parties in writing and if funds are available, subject to the Price Escalation terms as further described elsewhere herein.

ARTICLE 4 - LIQUIDATED DAMAGES

- 4.1 The Contractor agrees that should the Contractor fail to complete the work as specified and as directed in the Work Order(s), the Contractor shall pay the Owner for delay and loss of use, and not as a penalty but as liquidated damages, the sum of Fifty Dollars and 00/100 (\$50.00) for each calendar day after the date of completion listed on the Work Order. Default days shall be counted in calendar days, excluding Sundays and legal holidays. Liquidated damages will be deducted from any pending payment due to the Contractor.
- 4.2 Permitting the Contractor to continue and to finish the Work, or any part of it, after the expiration of the contract time(s) allowed, including extensions of time granted to the Contractor, shall in no way act as a waiver on the part of the Owner of the terms under the Agreement.

ARTICLE 5 - CONTRACT PRICE

- 5.1 The undersigned Bidder agrees to accept as full compensation for all work required by these contract documents the unit price items named in the Bid Form. It is understood and agreed that the unit prices quoted or established for a particular item are to be used for computing the amount to be paid to the Bidder based on quantities actually used as determined by the applicable measurement and payment portion of Contract Conditions.
- 5.1 Discounts for prompt payment requiring payment by the Owner within a stipulated number of days will be interpreted as applying within the stipulated number of calendar days after the date of receipt by the Owner of a correct invoice describing reasonable work allocable to the contract or after the date of acceptance of work that meets contract requirements, whichever event occurs later. Discounts for payment in less than sixty (60) days will not be considered during evaluation for award, but may be taken if applicable after award.
- 5.1 All incidental costs, including allowances for profit and tools of the trade, must be included in the unit prices.

ARTICLE 6 - PAYMENT PROCEDURES

- 6.1 Unless otherwise indicated in the bid documents, payment terms will be net forty-five (45) days. Terms not consistent with this provision are not acceptable and may be cause for rejection. Pasco County will pay the contractor within forty-five (45) days after the receipt of a correct invoice for reasonable work allocable to the contract or after the date of acceptance of work that meets contract requirements, whichever event occurs later. Payment(s) are considered effective on the date payment is mailed.
- 6.2 The Board has adopted Resolution No. 95-70, incorporating its Invoice Payment Procedures Policy in order to help ensure that Contractors providing goods and/or services to the Board receive payment in a timely manner and in accordance with Chapter 218, Part VII, Florida Statutes, (the Florida Prompt Payment Act). A copy of Resolution No. 95-70 (which includes the policy) is available for viewing during normal business hours at the Office of the Pasco County Clerk of the Circuit Court; 38053 Live Oak Avenue; Department of Secretarial Services, Room 205; Dade City, Florida 33525. Copies of the Resolution may be obtained at a cost of \$1.20 (one dollar and twenty cents). Please make your check payable to Paula

O' Neil, Clerk of the Circuit Court, and forward payment to the Department of Secretarial Services at the address noted above. For further information, please call (352) 521-4347.

6.3 Several payment options are available to successful Contractor, upon receipt of a proper invoice:

6.3.1 Check may be mailed to the remit address on the invoice. The check is mailed the day after Board approval.

6.3.2 Check may be picked up in Dade City after 1:00 pm. The Contractor must pick up the check the day after Board approval. The successful bidder or contractor must call (352) 521-4599 for detailed instructions and forms.

6.3.3 Payment may be wire-transferred to the Contractor's bank account. The Contractor must call (352) 521-4599 for detailed instructions and forms.

ARTICLE 7 - TERMINATION OF AGREEMENT

7.1 Owner may terminate or cancel this Agreement at its discretion and said termination shall be effective, with or without cause, after written notice has been provided to the Contractor.

7.2 Following termination, Owner shall make a settlement with the Contractor upon a pro rata basis as determined by Owner, which shall fix the value of the Services performed by the Contractor prior to the termination or cancellation of this Agreement.

ARTICLE 8 - CONTRACTOR'S REPRESENTATIONS

In order to induce Owner to enter into this Agreement, Contractor makes the following representations:

8.1 Contractor has familiarized itself with the nature and extent of the Contract Documents, Work, site, locality, and all local conditions and Laws and Regulations that in any manner may affect cost, progress, performance, or furnishing of the Work.

8.2 Contractor understands the estimate of quantities of the item of work and materials, if set forth in the Proposal Form, is approximate only and is given solely to be used as a uniform basis for the comparison of Proposals. The quantities actually required to complete the work may be less or more than so estimated, and, if awarded a contract for the work specified, the Contractor agrees that he will not make any claim for damages or for loss of profits or for an extension of time because of a difference between the quantities of the various classes of work assumed for comparison of Proposals and quantities of work actually performed. The Owner further reserves the right to vary the quantities in any amount.

ARTICLE 8 - CONTRACT DOCUMENTS

The Contract Documents, which comprise the entire Agreement between Owner and Contractor concerning the Work, consist of the following:

9.1 This Agreement.

- 9.2 Invitation to Bid.
- 9.3 Instructions to Bidders.
- 9.4 Special Provisions.
- 9.5 Proposal and Bid Forms.
- 9.6 Insurance Certificate.
- 9.7 Contract Forms
- 9.8 Technical Specifications.
- 9.9 Addenda numbers ____ to, _____ inclusive.
- 9.10 Documents submitted by Contractor prior to Notice of Award (Pages ____ to, _____ inclusive).
- 9.11 The following, which may be delivered or issued after the Effective Date of the Agreement and are not attached hereto: All written authorizations; all written amendments; and all other documents amending, modifying, or supplementing the Contract Documents.

There are no Contract Documents other than those listed above in this Article 9. The Contract Documents may only be amended, modified, or supplemented as provided in the Conditions of Contract section of the Contract Documents.

ARTICLE 10 - SUBCONTRACTORS

The Contractor shall not sublet, assign, or transfer any Goods and/or Services specifically set forth under this Agreement without the prior written consent of Owner. All persons used by the Contractor for fulfilling the requirements of this Agreement must be employees of the Contractor.

ARTICLE 11 – INDEMNIFICATION

In consideration of the sum of Fifteen and 00/100 Dollars (\$15.00) and other good and valuable consideration, the receipt and sufficiency of which is acknowledged by the contractor to be included and paid for in the contract price, the contractor shall indemnify, defend, and hold harmless Pasco County and its Officials, its agents and employees from and against all liabilities, claims, damages, losses, and expenses, including attorneys' fees, arising out of or resulting from the performance of the work, provided that any such liability, claim, damage, loss, or expense: 1) is attributable to bodily injury, sickness, disease or death, or to injury to or destruction of tangible property (other than the work itself), including the loss of use resulting therefrom; and 2) is caused in whole or in part by any negligent act or omission of the contractor or subcontractor, anyone directly or indirectly employed by any of them, or anyone for whose acts any of them may be liable.

In any and all claims against Pasco County or any of its Officials, its agents or employees by any employee of the contractor, any subcontractor, anyone directly or indirectly employed by any of them, or anyone for whose acts any of them may be liable, the indemnification obligation under the previous paragraph shall not be limited in any way as to the amount or type of damages, compensation, or benefits payable by or for the contractor or any subcontractor under Workers' Compensation Acts, disability benefit acts, or other employee benefit acts.

ARTICLE 12 - MISCELLANEOUS

- 12.1 Contractor shall perform all Services under this Agreement as an independent contractor. Contractor shall not be considered an agent of Owner nor shall Contractor's subcontractors, suppliers, experts, or other persons, or organizations retained or utilized by the Contractor be considered agents of Owner.
- 12.2 No assignment by a party hereto of any rights under or interests in the Contract Documents will be binding on another party hereto without written consent of the party sought to be bound; and specifically but without limitation moneys that may become due and moneys that are due may not be assigned without such consent (except to the extent that the effect of this restriction may be limited by law), and unless specifically stated to the contrary in any written consent to an assignment, no assignment will release or discharge the assign or from any duty or responsibility under the Contract Documents.
- 12.3 Owner and Contractor each binds itself, its partners, successors, assigns, and legal representatives to the other party hereto, its partners, successors, assigns, legal representatives in respect of all covenants, agreements, and obligations contained in the Contract Documents.
- 12.4 The Contractor hereby guarantees all work performed in accordance with the terms of the Contract with Owner against defects due to faulty workmanship or materials for a period of 365 days from the date of repair. During the period of the guarantee, the Contractor agrees to make all repairs necessitated by reason of faulty workmanship or materials at no cost to the owner, subject to the following additional conditions.
- 12.4.1 This guarantee is in addition to factory warranties covering material where applicable under contract.
- 12.4.2 Nothing herein contained shall serve to modify or limit the obligations of the Contractor to faithfully fulfill and complete its obligations under the Contract.
- 12.4.3 Specifically excluded from this guarantee is maintenance of equipment or repair of any damage caused by normal wear and tear, fire, windstorm, or other casualties.
- 12.5 The Agreement shall be governed by and construed under the laws of the State of Florida.
- 12.6 Venue for any action arising under this Agreement shall lie in Pasco County, Florida.
- 12.7 Any notices or other writings permitted or required to be delivered as described and required under the provisions of this Agreement shall be delivered by sending the notice by Certified Mail, Return Receipt Requested, and addressed as follows:

If to Owner:

Pasco County Utilities
Public Works/Utilities Building, Suite 205
7530 Little Road
New Port Richey, Florida 34654

Attention: Mr. Bruce E. Kennedy, P.E.
Assistant County Administrator, Utilities Services

If to the Contractor:

Attention: _____

ARTICLE 12 – LAW COMPLIANCE

- 12.1 Each party will comply will all applicable Federal, State and Local laws, rules, regulations and guidelines, related to performance under this Agreement. In particular, the Contractor verifies and affirms that it is in compliance with 8 USC Sec. 1324 prohibiting the employment either directly or by contract, subcontract or exchange of unauthorized aliens in the United States. The County will consider the employment of unauthorized aliens by any Contractor during the term of the Agreement a violation of the Immigration and Nationality Act. Such violation shall be cause for unilateral cancellation of t his Agreement by the County.

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IN WITNESS WHEREOF, the parties hereto, have caused these presents to be executed by their duly qualified representatives on the ____ day of _____, 20__.

CONTRACTOR,

WITNESS:

(Firm Name)

By: _____

Date: _____

Name

(CORPORATE SEAL)

ATTEST:

OWNER,
BOARD OF COUNTY COMMISSIONERS

By: _____
CHAIRMAN

Date: _____

SECTION 01005

GENERAL REQUIREMENTS

PART 1 - GENERAL

1 SCOPE OF WORK

- 1.1 The WORK includes: pump removal, pump overhaul, and replacement; borehole geophysical logging; downhole video surveys; specific capacity testing; well abandonment; well deepening or back-plugging; as well as needed repair services. When called for under the provisions of the CONTRACT, the CONTRACTOR shall provide all materials, equipment, skills, tools and labor that are necessary and incidental for performance of the services listed above. The County will select one Florida State licensed Well Drilling Contractor who will satisfactory perform all work embraced under these Contract Documents in compliance with Southwest Florida Water Management District (SWFWMD), Florida Department of Environment Protection (FDEP) and Florida Administrative Code (F.A.C.) requirements.
- 1.2 The CONTRACTOR shall keep itself fully informed of, and shall be accountable for performing all WORK in accordance with all applicable LAWS AND REGULATIONS, which in any manner affect the WORK. All permits, licenses, inspection fees, impact fees, and other costs necessary for performance of, compliance with, and/or completion of the WORK shall be obtained and paid for by the CONTRACTOR.

2 EQUIPMENT AND PERSONNEL

- 2.1 The CONTRACTOR shall furnish capable licensed personnel and equipment to perform the described services under this CONTRACT. The CONTRACTOR'S drilling rigs, equipment, and personnel shall be subject to the approval of the Owner's Representative. The successful BIDDER shall upon request, provide a list of the names and contact information of all personnel who will enter the County facilities. The CONTRACTOR shall furnish the equipment necessary to contain and transport all materials generated during performance of the WORK in order to minimize impacts to the drill site.
- 2.2 The CONTRACTOR, in addition to furnishing the services of skilled and experienced drillers, shall also furnish an adequate number of competent helpers. The drillers shall be capable of keeping good well logs and reports of daily activities performed as instructed by the Owner's Representative. The CONTRACTOR shall keep an accurate daily record of all activities. These records shall document in detail the well evaluation, maintenance, or construction activities. Included in the daily report shall be such items as a description of the activity being conducted, the identification number of the well being tested, and dates and times of each well maintenance or construction activity, and the quantities of all materials used.
- 2.3 The CONTRACTOR shall furnish the personnel and equipment necessary to perform the required water quality sampling and field water quality measurements. The CONTRACTOR may obtain the services of a qualified laboratory or CONSULTANT to provide these services.
- 2.4 The CONTRACTOR shall furnish capable personnel and temporarily furnish, install, connect, operate and, afterward, remove all necessary equipment, power and materials to perform development of the wells, geophysical logging, downhole video surveying and specific capacity testing.

GENERAL REQUIREMENTS

- 2.5 It is understood that CONTRACTOR shall apply for and obtain all permits necessary to perform the Work specified in this Section as part of the Scope.
- 2.6 The CONTRACTOR shall furnish all pumps, compressors, plungers, bailers, or other necessary equipment needed to develop a well to remove sand or other materials as may, during the life of the well, be withdrawn when the well is pumped under maximum conditions of drawdown.
- 2.7 Equipment, including cameras and geophysical instruments, shall be cleaned before commencing with work to minimize the potential for contamination of the borehole and well materials. The cleaning shall be completed, as approved by Owner's Representative, for each piece of equipment before it is used for the first time on this project. The CONTRACTOR shall make available the appropriate equipment for this purpose and for the cleaning of any additional support equipment necessary for the satisfactory completion of the Work.

3 DEVELOPMENT

- 3.1 Following the completion of any well maintenance or construction activities the well shall be developed by pumping until the discharge water is clear and sand-free.

4 PLUMBNESS AND ALIGNMENT

- 4.1 Stabilizers shall be used during drilling and the borehole shall be drilled as near to plumb and true as possible in order that a proper casing alignment and cement seal may be achieved. If, in the opinion of OWNER'S REPRESENTATIVE, there is reasonable doubt about the plumbness of the well, the CONTRACTOR shall perform a plumbness test at its own expense. Plumbness may be checked by lowering a 4 feet long slug, which is ¼ inch smaller than the inside diameter of the casing. OWNER'S REPRESENTATIVE reserves the right to reject a well that is installed out of plumb.

5 HEALTH AND SAFETY

- 5.1 The CONTRACTOR shall be responsible for the safety of the rig, support equipment, and crew on-site at all times. All drilling and construction activities necessitated by this work are to be performed in accordance with all applicable OSHA requirements and local fire codes.
- 5.2 The level of protection required at the drilling location upon initiating drilling is modified Level D, which requires the CONTRACTOR'S personnel to be outfitted with the following: hard hat, eye protection (safety goggles or safety glasses), hearing protection, hand protection (gloves), and protective footwear (steel-toed rubber boots). OWNER'S REPRESENTATIVE reserves the right to refuse site access to any of the CONTRACTOR'S personnel not complying with the above requirements.

6 GUARANTEE

- 6.1 The CONTRACTOR guarantees that the work and services to be performed under the contract and all materials and equipment furnished, used, or installed in the work shall be new and free from defects and flaws, and shall be performed and furnished in strict accordance with these specifications and contract documents; that the strength of all parts of all manufactured equipment shall be adequate and as specified; and the performance test requirements of the contract shall be fulfilled. The CONTRACTOR shall repair, correct, or replace all damage to the work resulting from failures covered by the guarantee.

GENERAL REQUIREMENTS

7 DESCRIPTION OF WORK

7.1 CONTRACTOR shall perform all work as described in these Contract Documents.

7.2 TYPE OF WORK

7.2.1 **Scheduled Services**: services provided by the Contractor to complete repair and improvement rehabilitation work as described in these specifications on an as-needed basis requested by an authorized representative of the Owner. Scheduled services shall be performed Monday through Friday 8:00 am to 5:00 pm for regular services in accordance with each Work Order provided to the CONTRACTOR. CONTRACTOR shall

7.2.2 Scheduled Services shall include but not limited to:

- 7.2.2.1 Geophysical Logs
- 7.2.2.2 Downhole Video Survey
- 7.2.2.3 Well Evaluation Services
- 7.2.2.4 Rehabilitation Work
- 7.2.2.5 Well abandonment
- 7.2.2.6 Back-Fill Surface Depressions
- 7.2.2.7 Provide and Install Test Pumps
- 7.2.2.8 Regular Repair Services

7.2.3 **As Needed Emergency Services** – Work to be performed by CONTRACTOR anytime Mondays through Fridays, Saturdays, Sundays, and holidays. Contractor shall respond within two (2) hours and begin work within four (4) hours from notification. CONTRACTOR staff shall be ready to correct and/or repair any well related problem in compliance with FDEP regulations. No more than 16 hours of Emergency work per incident shall be allowed otherwise approved by the Owner's Representative.

PART 2 – PRODUCTS

1 MATERIALS

1.01 The materials used for the construction or modification of wells under this AGREEMENT shall meet the following requirements:

A. Drilling Water and Additives

The CONTRACTOR shall be responsible for providing clean water for drilling and well construction purposes. The source of the water will be subject to approval by Owner's Representative. The CONTRACTOR shall provide acceptable drilling fluids and additives specifically recommended by the manufacturer for use in potable well drilling. The CONTRACTOR shall review fluids and additives with Owner's Representative prior to drilling. The CONTRACTOR shall also be responsible for preventing contamination of samples and shall not introduce mud, clay, or other drilling additives into the well without prior approval of Owner's Representative. The CONTRACTOR shall not use lime, cement, organic matter, or other material to stop circulation losses of the drilling fluid, without written approval by Owner's Representative.

B. Well Casing and Centralizers

All well casings shall be new, of first-quality material and free of defects. PVC casing used for construction of monitoring wells, shall meet ASTM F480, or equivalent AWWA or NSF standard. Several lengths of casing should be available to allow for variance of the final depth of each well. Only threaded PVC casing shall be used for construction of monitoring wells.

Casing centralizers (used to center casing in the borehole or within an overlapping casing) shall be 0.25-inch minimum thickness steel and of a size and shape such that, when attached to the casing, will effectively center the casing and assure sufficient space for a proper grout seal. Casing centralizers shall be provided such that the size, shape, and positioning do not adversely affect placement of the casing or limit access of tremie pipes and other necessary tools in the annulus.

C. Cement

Cement used for grouting the casing in the well shall be neat cement grout (ASTM C-150, Type I, Class A Portland cement mixed with no more than six gallons of water per 94 pound bag of cement). Any additives, which the CONTRACTOR includes in the grout mixture, must be pre-approved by OWNER'S REPRESENTATIVE.

PART 3 – EXECUTION

1 SCHEDULED SERVICES

1.1 Geophysical Logs

- 1.1.1 The CONTRACTOR will provide qualified personnel and equipment (sub-CONTRACTORS to be approved by Owner's Representative) to run a suite of geophysical logs from land surface to the total depth of the well. (*Note – gamma ray logs shall be run from the bottom of the borehole to land surface*). Logs run in the static mode shall include caliper, gamma, electric, temperature, fluid resistivity, and flow meter.
- 1.1.2 The CONTRACTOR shall furnish and temporarily install a submersible pump capable of evacuating water from the borehole at a rate that stresses the aquifer sufficiently to run flow logs, including a means to control flow rates and to accurately measure variability of flow. The CONTRACTOR must also provide the manpower to run the pump and provide discharge piping. A diffuser shall be placed at the end of the temporary piping to reduce erosion. Geophysical logs run in the pumping mode shall include flow meter, fluid resistivity, and temperature.
- 1.1.3 The CONTRACTOR shall be responsible to assure that borehole-logging instruments and equipment used to make each log are in good condition, in order to give an accurate and representative log. The CONTRACTOR shall provide documentation of the quality assurance/quality control procedures of the proposed geophysical logging operation to the Owner's Representative for approval prior to starting the WORK. The CONTRACTOR shall calibrate all logging tools, with the exception of the flow tool, with standards corresponding to anticipated measurements prior to introducing them into the borehole and check them with the same standards upon removal from the borehole. The CONTRACTOR shall provide results of field standard checks made before and after each log run on the log printout. The flow meter shall be calibrated while the tool is inside the casing or open borehole. The CONTRACTOR shall ensure that all logs are recorded at the highest sensitivity that is consistent with a minimum of off-scale deflection, and ensure that scales,

calibration, standardization, and other pertinent data are recorded on each log.

- 1.1.4 The CONTRACTOR shall submit three (3) copies of the borehole geophysical logs to Owner's Representative within 5 business days following completion of the on-site activities.

1.2 Downhole Video Survey

- 1.2.1 The CONTRACTOR will provide qualified personnel and equipment (sub-CONTRACTOR(S) to be approved by Owner's Representative) to run a downhole video survey from land surface to the total depth of the well. OWNER'S REPRESENTATIVE shall have the option of having staff or a CONSULTANT on site during the downhole video survey. If cloudy conditions are encountered in the well during the downhole video survey, clean water shall be introduced into the well from either the well collection main or a portable water tank, or the well may require additional pumping. Prior to introducing water into the well from the collection main, the CONTRACTOR shall secure approval from OWNER'S REPRESENTATIVE.
- 1.2.2 The downhole camera shall be solid state and have a resolution of at least 450 horizontal lines, color capability, and come equipped with a minimum 3.5 mm wide angle lens (100°) and a 1.8 fixed iris. The camera housing should be stainless steel, waterproof and rated at 1,650 feet or greater maximum working depth. The camera should be supplied with sufficient cable and a sufficient light source as well as a winch, footage counter, tripod and mounting head. The footage counter shall be accurate and calibrated prior to arrival at the site. All downhole video equipment shall meet with the approval of OWNER'S REPRESENTATIVE.
- 1.2.3 The CONTRACTOR shall provide OWNER'S REPRESENTATIVE with one copy of the video on a CD ROM or DVD on the day of the survey and two additional copies within 7 calendar days of completion at each well.

1.3 Well Evaluation Services

- 1.3.1 WORK required to perform well evaluations includes removal and reinstallation of the pump, borehole geophysical logging, downhole video survey and specific capacity test. When called for under the provisions of the AGREEMENT, the CONTRACTOR shall provide all equipment, labor, maintenance and personnel to perform a well evaluation. OWNER'S REPRESENTATIVE staff will coordinate the scheduling of well evaluations, and issue a WORK ORDER to the CONTRACTOR. The CONTRACTOR then is required to visit the site within the specified time frame and conduct the evaluation activities.
- 1.3.2 The WORK will be performed on an as-needed basis to collect more detailed information regarding the physical condition of the well and pumping equipment, and the site-specific hydrogeologic conditions.
- 1.3.3 A typical well evaluation will consist of the following:
 - a. Mobilization to the site, which includes delivery and set up of a crane truck, temporary pump, discharge line, and other equipment necessary to perform the evaluation services.
 - b. Removal and reinstallation of the well house (where appropriate). When the well house is removed, all electrical equipment shall be protected from the weather. Well house doors shall be aligned and swing freely when reinstalled. Any painted areas that are damaged shall be repainted as directed.

- c. Removal and reinstallation of the pump, motor and appurtenances. The CONTRACTOR shall remove the well head and pump column from the well. The physical condition of the pump shall be assessed and noted. Digital pictures of the pump equipment shall be taken and provided to OWNER'S REPRESENTATIVE. Once the pump is removed, the well, pump column, and discharge piping shall be secured so that trash, dirt, debris, animals, etc., cannot enter the well, pump column, or discharge pipe. After the specified testing is completed, discharge piping shall be reinstalled.
- d. OWNER'S REPRESENTATIVE will be responsible for electrical isolation of each well (jack pulling/lockout/tagout). The CONTRACTOR shall notify OWNER'S REPRESENTATIVE a minimum of 48 hours (two working days) prior to requiring electrical isolation of each well.
- e. Borehole geophysical logging as specified in previous Section 1.1 of the SPECIFICATIONS, and downhole video survey as specified in previous Section 1.2 of the SPECIFICATIONS.
- f. After reinstallation of the pump, an 8-hour specific capacity test shall be performed. The CONTRACTOR shall connect up to 500 feet of temporary discharge line to the well head, equipped with a calibrated flow meter, and a diffuser at the end to prevent erosion. The water shall be discharged away from the well to a location approved by OWNER'S REPRESENTATIVE. Water must be discharged so there is no ponding water around the well and there is no erosion in the discharge area. The discharge line shall remain in place until the completion of bacteriological clearance sampling.
- g. The well shall be disinfected with a sodium hypochlorite solution for the full depth of the well casing. Disinfecting solution shall be sprayed on the inner surface of the well casing above the water line. Chlorination shall conform to the Standard Operating Procedure for Well Chlorination issued by OWNER'S REPRESENTATIVE. The CONTRACTOR shall continue the disinfection process until the well passes the appropriate regulatory agency's requirements. The CONTRACTOR shall collect the required samples and deliver them to a state-certified laboratory.

1.3.4 Well Evaluation Procedure and Reporting Requirements

- a. Well evaluation assignments will be authorized via Work Orders issued from OWNER'S REPRESENTATIVE directly to the CONTRACTOR. General information, directions to the site, and the approved time period for completion of the inspection will be indicated on the Work Orders. OWNER'S REPRESENTATIVE may, at its own discretion, require a confirmation of receipt of a WORK ORDER.
- b. The CONTRACTOR will be required to communicate directly with OWNER'S REPRESENTATIVE personnel to relay information pertinent to each evaluation, and to receive guidance and approval for any additional well maintenance that may be required. A OWNER'S REPRESENTATIVE representative or CONSULTANT may inspect a work site at any time, without notification to the CONTRACTOR. Upon completion of the well evaluation, the CONTRACTOR shall submit three (3) copies of the borehole geophysical logs, and copies of the video survey on CD-ROM or DVD, and a CD-ROM with the digital photographs of the pump to OWNER'S REPRESENTATIVE within 5 business days following completion of the onsite well evaluation activities.

1.4 Rehabilitation Work

1.4.1 Well rehabilitation activities, include well deepening, liner installation, clearing borehole obstructions, and back-plugging open boreholes. When called for under the provisions of the CONTRACT, the CONTRACTOR shall provide all equipment, labor, maintenance and personnel to perform the services listed above. OWNER'S REPRESENTATIVE staff will coordinate the scheduling of well maintenance activities, and issue WORK ORDERS to the CONTRACTOR. The CONTRACTOR then is required to visit the site within the specified time frame and conduct the maintenance activities.

1.4.2 The CONTRACTOR will be required to communicate directly with OWNER'S REPRESENTATIVE personnel to relay information pertinent to each evaluation, and to receive guidance and approval for any additional well maintenance that may be required. A OWNER'S REPRESENTATIVE staff member or CONSULTANT may inspect a work site at any time, without notification to the CONTRACTOR. Upon completion of the well maintenance activities, the CONTRACTOR shall submit a written activity log that includes the information stipulated in **Part 1-Section 2 of these SPECIFICATIONS**.

1.4.3 Well Deepening Services

1.4.3.1 When called for under the provisions of the CONTRACT, the CONTRACTOR shall provide all equipment, labor, maintenance and personnel to deepen existing wells. Actual depths and casing diameters will be determined on a site-specific basis. Well deepening will consist of the following items:

- a. Mobilization to the site, which includes delivery and set up of the equipment necessary to perform the specified services.
- b. Removal and reinstallation of the well house (where appropriate). When the well house is removed, all electrical equipment shall be protected from the weather. Well house doors shall be aligned and swing freely when reinstalled. Any painted areas that are damaged shall be repainted as directed.
- c. Removal and reinstallation of the pump, motor and appurtenances. The CONTRACTOR shall remove the well head and pump column from the well. The physical condition of the pump shall be assessed and noted. Digital pictures of the pump equipment shall be taken and provided to OWNER'S REPRESENTATIVE. Once the pump is removed, the well and discharge piping shall be secured so that trash, dirt, debris, animals, etc., cannot enter the well or discharge pipe. After the specified testing is completed, discharge piping shall be reinstalled.

OWNER'S REPRESENTATIVE will be responsible for electrical isolation of each well (jack pulling/lockout/tagout). The CONTRACTOR shall notify OWNER'S REPRESENTATIVE a minimum of 48 hours prior to requiring electrical isolation of each well.

- d. The nominal diameter borehole shall be drilled from the existing bottom of the borehole to the indicated depth using the reverse-air drilling method.

1. Drilling Equipment: The CONTRACTOR shall use an approved rotary rig equipped for reverse air methods of drilling for the drilling of the open borehole. The drilling rig and any support equipment shall be in first-class working order.

2. Formation Samples: CONTRACTOR shall collect formation samples at 5-foot intervals from the existing bottom of the borehole to the drilled depth.
 3. Water Samples: Water samples will be collected every 50 feet and analyzed for the field parameters pH, conductivity and temperature. Field analyses shall be performed by the CONSULTANT.
 4. Specific Capacity Testing: A specific capacity test shall be performed at 50 foot intervals from the original borehole depth to the drilled depth in each well during reverse-air drilling. The CONTRACTOR shall stop the reverse-air discharge until a static water level is obtained by the CONSULTANT. The reverse-air discharge shall then be run for approximately 10 to 15 minutes while the CONSULTANT measures pumping water levels. The CONTRACTOR shall provide a means of measuring the reverse-air discharge.
- e. The well shall be developed by first pumping at the highest rate obtainable until the discharged water is essentially free of suspended solids. The well shall then be alternately pumped and surged with an approved airlift pumping system to effectively agitate and clean the open borehole. The airlift system's educator pipe opening will be placed at various levels within the borehole to concentrate the development action. Pumping and surging will continue until all areas of the well yield water free of sand, cuttings and suspended solids as determined by the CONSULTANT.
 - f. Perform borehole geophysical logging as specified in previous Section 1.1 of the SPECIFICATIONS, and downhole video survey as specified in previous Section 1.2 of the SPECIFICATIONS.
 - g. An 8-hour specific capacity test shall be performed on the well. The CONTRACTOR shall furnish, install, operate, maintain and remove a pumping unit capable of producing the gpm capacity and furnish power for this unit for the duration of the pumping test. This equipment shall be installed so that the CONSULTANT has adequate access to the borehole for water level measurements. Up to 500 feet of discharge line equipped with a diffuser to prevent erosion, and a calibrated flow meter shall be supplied and installed to direct the water discharge away from the well to a location approved by OWNER'S REPRESENTATIVE. Water must be discharged so there is no ponding water around the well and there is no erosion in the discharge area. The CONTRACTOR may be directed to perform additional drilling or other work on the well if the production capacity of the well is less than 100 gallons per minute per foot of drawdown (gpm/ft).
 - h. After reinstallation of the pump the CONTRACTOR shall connect up to 500 feet of temporary discharge line to the well head, equipped with a diffuser at the end to prevent erosion. The water shall be discharged away from the well to a location approved by OWNER'S REPRESENTATIVE. Water must be discharged so there is no ponding water around the well and there is no erosion in the discharge area. The discharge line shall remain in place until the completion of bacteriological clearance sampling. The well shall be disinfected with a calcium hypochlorite solution for the full depth of the well casing. Chlorination shall conform to the Standard Operating Procedure for Well Chlorination issued by OWNER'S REPRESENTATIVE. The CONTRACTOR shall collect the appropriate number of bacteriological samples and deliver the results to the CONSULTANT. The CONTRACTOR shall continue the disinfection process until the well passes the Florida Department of Environmental Protection's requirements.

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1.4.4 Well Clearing Services

1.4.4.1 When called for under the provisions of the CONTRACT, the CONTRACTOR shall provide all equipment, labor, maintenance and personnel to clear obstructions existing wells. Actual depths will be determined on a site-specific basis. Well clearing will consist of the following items:

- a. Mobilization to the site, which includes delivery and set up of the equipment necessary to perform the specified services.
- b. Removal and reinstallation of the well house (where appropriate). When the well house is removed, all electrical equipment shall be protected from the weather. Well house doors shall be aligned and swing freely when reinstalled. Any painted areas that are damaged shall be repainted as directed.
- c. Removal and reinstallation of the pump, motor and appurtenances. The CONTRACTOR shall remove the well head and pump column from the well. The physical condition of the pump shall be assessed and noted. Digital pictures of the pump equipment shall be taken and provided to OWNER'S REPRESENTATIVE. Once the pump is removed, the well, pump column, and discharge piping shall be secured so that trash, dirt, debris, animals, etc., cannot enter the well, pump column, or discharge pipe. After the specified testing is completed the pump, motor, appurtenances, and discharge piping shall be reinstalled.
- d. OWNER'S REPRESENTATIVE will be responsible for electrical isolation of each well (jack pulling/lockout/tagout). The CONTRACTOR shall notify OWNER'S REPRESENTATIVE a minimum of 48 hours (two working days) prior to requiring electrical isolation of each well.
- e. The well shall be cleared from the top of casing to total depth with a proper nominal diameter drill bit.
- f. After reinstallation of the pump the CONTRACTOR shall connect up to 500 feet of temporary discharge line to the well head, equipped with a diffuser at the end to prevent erosion. The water shall be discharged away from the well to a location approved by OWNER'S REPRESENTATIVE. Water must be discharged so there is no ponding water around the well and there is no erosion in the discharge area. The discharge line shall remain in place until the completion of bacteriological clearance sampling. The well shall be disinfected with a calcium hypochlorite solution for the full depth of the well casing. Chlorination shall conform to the Standard Operating Procedure for Well Chlorination issued by OWNER'S REPRESENTATIVE. The CONTRACTOR shall collect the appropriate number of bacteriological samples and deliver the results to the CONSULTANT. The CONTRACTOR shall continue the disinfection process until the well passes the Florida Department of Environmental Protection's requirements.

1.4.5 Well Back-plugging Services

1.4.5.1 When called for under the provisions of the CONTRACT, the CONTRACTOR shall provide all equipment, labor, maintenance and personnel to backplug existing wells. Wells shall be abandoned in accordance with Chapter 40D-3 F.A.C. Work will consist of the following items:

- a. Mobilization to the site, which includes delivery and set up of the equipment necessary to perform the specified services.
- b. Removal and reinstallation of the well house (where appropriate). When the well house is removed, all electrical equipment shall be protected from the weather. Well house doors shall be aligned and swing freely when reinstalled. Any painted areas that are damaged shall be repainted as directed.
- c. Removal and reinstallation of the pump, motor and appurtenances. The CONTRACTOR shall remove the well head and pump column from the well. The physical condition of the pump shall be assessed and noted. Digital pictures of the pump equipment shall be taken and provided to OWNER'S REPRESENTATIVE. Once the pump is removed, the well, pump column, and discharge piping shall be secured so that trash, dirt, debris, animals, etc., cannot enter the well, pump column, or discharge pipe. After the specified testing is completed, the pump, motor and appurtenances, and shall be reinstalled.

OWNER'S REPRESENTATIVE will be responsible for electrical isolation of each well (jack pulling/lockout/tagout). The CONTRACTOR shall notify OWNER'S REPRESENTATIVE a minimum of 48 hours prior to requiring electrical isolation of each well.

- d. The bottom 45 feet of the well shall be back-plugged with bentonite chips. The CONTRACTOR shall verify the depth to the top of bentonite by sounding prior to emplacement of neat cement grout. Upon verification a five foot grout plug shall be emplaced via tremie pipe.
- e. The well shall be disinfected with a calcium hypochlorite solution for the full depth of the well casing. Chlorination shall conform to the Standard Operating Procedure for Well Chlorination issued by OWNER'S REPRESENTATIVE. The CONTRACTOR shall collect the appropriate number of bacteriological samples and deliver the results to the CONSULTANT. The CONTRACTOR shall continue the disinfection process until the well passes the Florida Department of Environmental Protection's requirements.
- f. A specific capacity test will be conducted on each well after the reinstallation of the production pumping equipment. The test is expected to run approximately 2 hours.

1.5 Well Abandonment

1.5.1 When called for under the provisions of the CONTRACT, the CONTRACTOR shall provide all equipment, labor, maintenance and personnel to abandon existing wells. Wells shall be abandoned in accordance with Chapter 40D-3 F.A.C. It is the intention of the County to abandon at least 62 monitoring wells during the first period of the Contract and on as needed basis for the following periods.

1.5.2 Abandonment will consist of the following items:

- a. The CONTRACTOR shall perform a caliper log of the well to verify total depth, casing depth, and borehole diameter.
- b. The well shall be plugged with bentonite chips from the total depth to a depth of 10 feet below the static water level. The CONTRACTOR shall verify the depth to the top of bentonite by sounding prior to emplacement of neat cement grout.

GENERAL REQUIREMENTS

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c. The remainder of the well shall be plugged with neat cement grout to land surface.

1.5.3 Upon completion, CONTRACTOR shall provide the OWNER'S REPRESENTATIVE with copies of the abandonment records: abandonment permit, completion report and lithology logs.

1.6 Back-fill Surface Depressions

When called for under the provisions of the CONTRACT, the CONTRACTOR shall provide all equipment, labor, maintenance and personnel to back-fill depressions occurring around production wells. This activity will consist of the following items:

- a. Mobilization to the site, which includes delivery and set up of the equipment necessary to perform the specified services.
- b. Providing, emplacing, and compacting clean fill into the depression.
- c. Smoothing the land surface to a natural grade.

1.7 Regular Repair Services

1.7.1 When called for under the provisions of the CONTRACT, the CONTRACTOR shall provide all equipment, labor, maintenance and personnel to perform "As-Needed" repair services. Work shall include but not limited to pump repairs (complete overhaul), inspections, diagnosis, repair to electric controls, protective devices and any other repair to well equipment and related appurtenances not included in any of other services previously stated in these specifications. CONTRACTOR'S costs for these services shall be included in the various labor rates listed on the BID FORM.

1.7.2 Brand names of pumps owned by the County at the well sites are mainly: Aurora split case, Patterson split case, Gould pumps and Franklin pumps among other split case types, however, Work may include other types such as:

- a. Centrifugal
- b. Turbine
- c. Vane
- d. Diaphragm
- e. Rotary
- f. Submersible sump pumps
- g. Multi-stage systems
- h. High-pressure booster pumps and stations
- i. Chopper pumps

1.7.3 Work assignments will be determined solely by OWNER'S REPRESENTATIVE, in the best interest of the County and on as needed basis. Work Orders will be prepared for these services and CONTRACTOR shall begin Work within three (3) days from notification to start after Work Order has been executed.

1.7.4 CONTRACTOR will be compensated based on the labor and equipment rates as stated on the Bid Form Section 00300 and Measurement and Payment Sections of these documents.

2 EMERGENCY SERVICES

GENERAL REQUIREMENTS

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- 2.1 When called for under the provisions of the CONTRACT, the CONTRACTOR shall provide all equipment, labor, maintenance and personnel to perform "As-Needed" emergency services. The services shall include but not limited to removing casings, inspect and make necessary repairs to water wells and associated equipment or any other necessary work needed to restore services.
- 2.2 Work assignments will be determined by OWNER'S REPRESENTATIVE per occurrence. It is therefore imperative that when a contractor is called upon for assistance, he shall response within four (4) hours from the time of the call and shall be onsite within twenty-four (24) hours from notification ready to perform the work. CONTRACTOR shall provide the OWNER'S REPRESENTATIVE with a list of emergency contact phone numbers for such events. CONTRACTOR shall possess qualified staff to response on timely matter during these events. Failure to response on a timely manner might result in cancellation of Contract.
- 2.3 CONTRACTOR will be compensated based on the labor and equipment rates as stated on the Bid Form Section 00300 and Measurement and Payment Sections of these documents.

3 ADDITIONAL SERVICES

- 3.1 Request for additional repairs and/or replacements encountered by CONTRACTOR while performing emergency services or any scheduled services not included in the scope of work of each Work Order, shall be requested in writing as stated in the "Special Provisions" Section 00120 of these specifications. CONTRACTOR shall submit to the OWNER'S REPRESENTATIVE a new proposal including quotes for parts and estimated labor hours for the additional Work. If approved, the OWNER'S REPRESENTATIVE will issue a new Work Order for the additional Work. All replacements parts shall be approved in advance by the OWNER'S REPRESENTATIVE. CONTRACTOR will be compensated for replacements parts under "Cost Reimbursement" pay Item as stated in the Proposal and Measurement and Payment Sections.

END OF SECTION

SECTION 01040

COORDINATION OF WORK

PART 1 – GENERAL

1 PROJECT COORDINATION

1.1 The Contractor shall provide for the complete coordination of the work. This shall include but not necessarily be limited to coordination of the following:

1.1.1 The work of subcontractors.

1.1.2 The flow of material and equipment from suppliers.

2 WORK SAFETY PROGRAM

2.1 The Contractor shall comply with all applicable Pasco County Utilities Safety requirements, OSHA and other applicable Standards while on the job site for the entire duration of the Contract. Moreover, the Contractor shall have an established workplace safety program in place for the entire duration of work.

2.2 The Contractor shall provide any necessary protection for equipment or personnel working in the vicinity of the Contractor's operations on the work site.

PART 2 – PRODUCTS

3 MATERIAL RECEIPT AND HANDLING

3.1 The Contractor shall be responsible for furnishing, delivering, maintaining and protecting, transferring, transporting on site, removal from storage, and installing or all materials used in the work until completion of the entire scope and its acceptance by the OWNER'S REPRESENTATIVE. Disposal of, and correction of, any defective and/or damaged material shall be as directed by OWNER'S REPRESENTATIVE. The expense of correcting any damages sustained during initial handling or during subsequent staging, handling, or installing of materials by the Contractor shall be absorbed by the Contractor.

END OF SECTION

SECTION 01150

MEASUREMENT AND PAYMENT

PART 1 – GENERAL

1 SCOPE OF WORK

- 1.1 This section defines the work included in each bid item in the Proposal section (Section 00300) of the Contract Documents. Payment will be made based on the specified items included in the description in this section for each bid item.
- 1.2 All prices included in the Bid Form of the Proposal Section will constitute full compensation to complete the Work as specified in the Contract Documents for each pay item.
- 1.3 Restoration is considered to be an integral part of the Work, and all bid prices shall include the cost of restoration necessitated by the Work related to that bid item. All existing structures and property including, but not limited to, paving, stabilized roads, lawns, trees and ground areas, walkways and irrigation systems that are altered, removed or damaged during construction, shall be restored to the same or better condition than existed prior to performing the Work specified herein. Cleanup is an integral part of restoration.

PART 2 – PRODUCTS (NOT USED)

PART 3 – EXECUTION

1 MEASUREMENT AND PAYMENT- BASE BID ITEMS

- 1.1 Scheduled Services - Pay Items 1 through 17:
 - 1.1.1 Measurement: Payment of the unit prices of these pay items shall be measured by the specified units on the Bid Form for actual completed work as stated on the Work Order.
 - 1.1.1 Payment: Payment shall constitute full compensation for all costs to complete the Work as per the GENERAL REQUIREMENTS section of these documents including labor, equipment and consumable materials necessary as well as restoration, and all necessary ancillaries to initiate and finish the specified task. Additional labor hours or equipment hours shall NOT be paid to the CONTRACTOR under any other Pay item for completed work under the scope of work of these items.
- 1.2 Hourly Rates for Regular Services - Pay Items 18 through 22 :
 - 1.2.1 Measurement: Payment shall be measured by the unit prices listed on the Bid Form billed in 1/4 hour increments for actual time on-site (travel time shall be excluded).
 - 1.2.2 Payment: Payments for these pay items shall constitute full compensation for all labor costs include wages, taxes, insurance, fringe benefits, overhead and profit for work performed by the CONTRACTOR'S staff as stated in the

MEASUREMENT AND PAYMENT

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GENERAL REQUIREMENTS of these specifications for regular services not included in the preceding Pay Items. No Overtime costs will be allowed.

- 1.3 Hourly Rates for Emergency Services - Pay Items 23 through 27 :
 - 1.3.1 Measurement: Payment shall be measured by the unit prices listed on the Bid Form billed in 1/4 hour increments for actual time on-site (travel time shall be excluded).
 - 1.3.2 Payment: Payments for these pay items shall constitute full compensation for all labor costs include wages, taxes, insurance, fringe benefits, overhead and profit for regular repair work performed by the CONTRACTOR'S STAFF for emergency services as stated in the GENERAL REQUIREMENTS Section of these specifications. No overtime costs will be allowed.
- 1.4 Equipment Rental Hours- Pay Items 28 through 33:
 - 1.4.1 Rental costs shall be allowed for those hours during which the equipment is in actual use. Equipment included within the scope of work of items 1 through 21 shall NOT be included.
 - 1.4.2 Payments for Rentals shall not exceed the current rental rates prevailing in the locality. The rentals allowed for equipment shall, in all cases, be understood to cover all fuel, supplies, repairs, and renewals, and no further allowances shall be made for those items, unless specific agreement to that effect is made.
- 1.5 Allowance Replacements/Repair Parts- Pay Item 38
 - 1.5.1 This item shall include materials delivered and used on the designated work, including sales tax, if paid for by the contractor or its subcontractor. Materials that are included within the scope of work of items 1 through 17 shall NOT be included. Contractor shall be compensated for replacements/repair parts actually incorporated into the work plus a ten (10%) markup. Evidence of materials cost shall be provided with invoices. Allowance for replacement and repair parts shall not exceed seventy-five percent 75% of each Work Order total.

2 APPLICATION FOR PAYMENT

- 2.1 For payment of work under this contract, the Contractor shall submit to the Owner pay application for each completed Work Order. The invoice shall include Work Order number, County Purchase Order number, description of the work, location of work, and cost according to the unit prices listed on the Bid Form and actual dates and time of the work performed.
- 2.2 All work is subject to verification by the Owner. Contractor shall maintain proper records to verify work performed. Failure to maintain adequate records or provide authorized work orders shall result in non-payment or cancellation of the Contract.
- 2.3 Unless otherwise indicated in the bid documents, payment terms will be net forty-five (45) days. Terms not consistent with this provision are not acceptable and may be cause for rejection. The Owner will pay the Contractor within forty-five (45) days after the receipt of a proper invoice for reasonable work allocable to the Contract or

MEASUREMENT AND PAYMENT

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after the date of acceptance of work that meets contract requirements, whichever event occurs later. Payment(s) are considered effective on the date payment is mailed.

- 2.4 All funds for payment by the Owner under the Contract are subject to the availability of an annual appropriation for this purpose by the Owner. In the event of non-appropriation of funds by the Owner for the services provided under the Contract, the Owner will terminate the Contract, without termination charge or other liability, on the last day of the then-current fiscal year or when the appropriation made for the then-current year for the services covered by the Contract is spent, whichever event occurs first. If at any time funds are not appropriated for the continuance of the Contract, cancellation shall be accepted by the Contractor on thirty (30) days' prior written notice, but failure to give such notice shall be of no effect and the Owner shall not be obligated under the Contract beyond the date of termination.
- 2.5 Under the Contract, whenever, any sum of money shall be recoverable from or payable by the Contractor to the Owner, the same amount may be deducted from any sum due the Contractor under the Contract or under any other contract between the Contractor and the Owner. The rights of the Owner are in addition and without prejudice to any other right the Owner may have to claim the amount of any loss or damage suffered by the Owner on account of the acts or omissions of the Contractor.
- 2.6 Several payment options are available to the Contractor, upon receipt of a proper invoice:
 - a. Check may be mailed to the remit address on the invoice. The check is mailed the day after Board of County Commissioners (Board) approval.
 - b. Check may be picked up in Dade City after 1:00pm. The Contractor may pick up the check the day after Board approval. The Contractor must call (352) 521-4599 for detailed instructions.
 - c. Payment may be wire-transferred to the Contractor's bank account. The Contractor must call (352) 521-4599 for detailed instructions and forms.

END OF SECTION

SECTION 01300

SUBMITTALS

1 REPORTS

1.1 CONTRACTOR shall maintain complete and accurate records for all Work performed during the duration of the Contract and detailed reports shall be provided as described in the GENERAL REQUIREMENTS Section of these documents and upon request by the OWNER'S REPRESENTATIVE. Failure to comply with this requirement may result in delays in payments to the Contractor.

2 WARRANTIES

2.1 The Contractor shall warranty all work under these Specifications for a minimum period of one (1) year from defects and workmanship. Warranty period shall commence on the date that the Work is accepted by the OWNER'S REPRESENTATIVE as complete.

2.2 Warranty statements for the Work shall be provided with payment applications.

END OF SECTION

EXHIBITS

EXHIBITS

- A. Work Order Form
- B. Production and Supplemental Wells List
- C. Pumps information
- D. Monitoring Wells List

WORK ORDER FORM

for

PASCO COUNTY

AS NEEDED WELL REHABILITATION AND REPAIR SERVICES

Contractor Name: _____ P. O. Number: _____

Work Order Authorization Number: _____

Work Order Name: _____

Work Order Start Date: _____

**Work Order Completion Date: _____

Wastewater Treatment Plant: _____

Site Location: _____

Site Contact Information: _____

Not to exceed Amount: \$ _____

This work, in general, shall include:

The work shall be completed under Pasco County's AS NEEDED WELL REHABILITATION AND REPAIR SERVICES Contract. The work shall be in accordance with the Contract specifications.

(Contractor shall complete this form for each service request and submit with invoice)

PCU Authorized Agent

Contractor

Date

Date

**** County might extend completion time if extra work is needed**

Attachments.-

Water Treatment Plants Wells - 2009

<u>Location</u>	<u>Address</u>		<u>Casing depth / size</u>	<u>Depth</u>	<u>Permit expires</u>
<i>Little Road Water Treatment Plant</i>	8215 Little Road	New Port Richey, FL 34654	Unknown	Unknown	Unknown
<i>Southeast Water Treatment Plant</i>	35456 Old Geiger Road	Zephyrhills, FL 33541			4/26/2015
LB02R	35456 Old Geiger Road	Zephyrhills, FL 33541	150' / 16"	500'	4/26/2015
Betmar Well #5	Arrowhead Drive & Plant Street	Zephyrhills, FL 33541	80' / 10"	450'	4/26/2015
Betmar Well #2	8th Ave. & Flint Street	Zephyrhills, FL 33541	81" / 6"	400'	4/26/2015
Betmar Well #7	Key Street	Zephyrhills, FL 33541	80' / 12"	500'	4/26/2015
Lake Bernadette Well #1	5638 Rick Drive	Zephyrhills, FL 33541	120' / 8"	400'	4/26/2015
Oaks Royal Well #1	32240 Coronado Way	Zephyrhills, FL 33541	95' / 12"	495'	4/26/2015
					4/26/2015
<i>Southwest Water Treatment Plant</i>	5320 Tilson Drive	Holiday, FL 34690			4/26/2015
Bluebird Well (Colonial Hills #20)	3415 Bluebird Drive	Holiday, FL 34690	50' / 8"	100'	4/26/2015
Mockingbird Well (Colonial Hills #7, 8 & 9)	5725 Mockingbird Drive	Holiday, FL 34690	50' / 12"	100'	4/26/2015
Tilson Well (Colonial Hills #25)	5200 Pennsdale Drive	Holiday, FL 34690	50' / 8"	100'	4/26/2015
Moog Road Well (Colonial Hills #17)	224 Moog Road	Holiday, FL 34690	50' / 12"	100'	4/26/2015
Peterorough Street Well (Colonial Manor #18)	Peterborough Street	Holiday, FL 34690	50' / 12"	100'	4/26/2015

WTP's Supplemental Wells - Active 2009

<u>Location</u>	<u>Address</u>	<u>City</u>	<u>Permit Expires</u>	<u>Casing depth / size</u>	<u>Depth</u>
Autumn Oaks	18501 Autumn Lake Drive	Hudson, FL 34669	Unknown	141' / 10"	525'
Blanton Well	Caller Avenue	Blanton, FL 33525	Unknown	Unknown	Unknown
Gowers Corner Wells #2	9938 Land O'Lakes Road	Land O'Lakes, FL 34639	Unknown	150' / 14"	500'
Gowers Corner Wells #3	9938 Land O'Lakes Road	Land O'Lakes, FL 34639	Unknown	80' / 6"	150'
Hickory Hills Wells #1	Layton Drive	Dade City, FL 33525	5/24/2006	Unknown / 8"	360'
Hickory Hills Wells #2	Layton Drive	Dade City, FL 33525	5/24/2006	Unknown / 4"	360'
Hillcrest Well	4 Geraldine Road	Lacoochee, FL 33537	4/30/2018	138' / 16"	482'
Lacoochee Well	29 Barbara Lane	Lacoochee, FL 33537	4/30/2018	Unknown / 10"	383'
Lake Jovita Well #1	Pamilla Circle	Dade City, FL 33525	3/23/2009	200' / 12"	600'
Lake Jovita Well #2	Pamilla Circle	Dade City, FL 33525	Unknown	204' / 12"	900'
One Pasco Center Well	30475 Commerce Drive	Dade City, FL 33525	Unknown	118' / 12"	555'
Parkview Well	Parkview Estates Drive	St. Leo, FL 33525	Unknown	Unknown	Unknown
Pasadena Shores Well #1	10920 High View Drive	Dade City, FL 33523	1/12/2017	Unknown / 4"	196'
Pasadena Shores Well #3	10920 High View Drive	Dade City, FL 33523	1/12/2017	58' ft / 6"	198'
Pine Breeze Well	Proud Mockingbird Drive	Zephyrhills, FL 33539	Unknown	Unknown	Unknown
Sunburst Hills Well #1	39723 Sunburst Drive	Zephyrhills, FL 33540	Unknown	80' / 10"	200'
Sunburst hills Well #2	9837 US Hwy. 98	Zephyrhills, FL 33540	Unknown	80' / 10"	180'
The Groves Well	Fern Circle	Zephyrhills, FL 33540	11/6/2010	103' / 6"	270'
The Ponds Well	7510 16th Street	Zephyrhills, FL 33540	11/6/2010	168' / 8"	385'
Trilby Well	112 Mickens Drive (SR 575)	Lacoochee, FL 33537	4/30/2018	Unknown / 10"	422'

WTP's - Standby Wells - 2009

<u>Location</u>	<u>Address</u>		<u>Casing depth / Size</u>	<u>well depth</u>
Lake Bernadette - Well #2	Janine Drive	Zephyrhills, FL 33541	Unknown	Unknown
Tropical Acres Water Treatment Plant	3230 Breezy Way	Zephyrhills, FL 33541	Unknown	Unknown
Double Branch Plant	30725 Gar Drive	Wesley Chapel, FL 33544	Unknown	Unknown
Saddlebrook Plant	8700 Maintenance Road	Wesley Chapel, FL 33543	Unknown	Unknown
Lake Padgett Plant "A"	2334 Sierra Road	Land O'Lakes, FL 34639	Unknown	Unknown
Lake Padgett Well "C"	93 Glen View	Land O'Lakes, FL 34639	Unknown	Unknown
Lake Paadgett Well "B"	3045 Cedar Wal	Land O'Lakes, FL 34639	Unknown	Unknown
Palmview Water Treatment Plant	Parkview Estates Road	St. Leo, FL 33544	Unknown	Unknown
John Street Well #38 (Parkwood Acres)	9738 John Street	Hudson, FL 34669	110' / 8"	110'
Kent Street Well #39 (Parkwood Acres)	9737 Kent Street	Hudson, FL 34669	121' / 8"	121'
New River Well #2	Isabelle Drive	Zephyrhills, FL 33543	Unknown	Unknown
New River Well #1	Ernest Drive	Zephyrhills, FL 33543	Unknown	Unknown
Williams Grove Wells #1 & #2	Trish Drive	Zephyrhills, FL 33543	Unknown	Unknown
Shady Oaks Wells #1 & #2	38616 Shady Oaks Drive	Zephyrhills, FL 33541	Unknown	Unknown
Williams Acres 4, Well #1	Blair Drive	Wesley Chapel, FL 33544	Unknown	Unknown
Odessa Well	2130 Byrd Drive	Odessa, FL 33556	Unknown	Unknown
Forest Hills Grand Well #5	1811 Grand Blvd	Holiday, FL 34690	Unknown	Unknown
Forest Hills Perennial Drive Well #2	1320 Steenbok Drive	Holiday, FL 34690	Unknown	Unknown
Forest Hills Perennial Drive Well #4	5021 Perennial Drive	Holiday, FL 34690	Unknown	Unknown
Forest Hills Grand Blvd. Well #1	1449 Grand Blvd	Holiday, FL 34690	Unknown	Unknown
Forest Hills Dander Drive Well #6	1745 Marengo Drive	Holiday, FL 34690	Unknown	Unknown
Forest Hills Mile Stretch Dr. Well #8	1940 US Hwy. 19	Holiday, FL 34690	Unknown	Unknown
Forest Hills Mariposa Well #10	5601 Mariposa Drive	Holiday, FL 34690	Unknown	Unknown
Forest Hills Grand Blvd. Well #11	Grand Blvd.	holiday, FL 34690	Unknown	Unknown

Pasco County Utilities Pump Information

<u>Location</u>	<u>Pump #</u>	<u>Motor size</u>	<u>Motor Manufacturer</u>	<u>Pump Manufacturer</u>
SWWTP	1	150 HP	Lincoln	Patterson
	2	151 HP	Lincoln	Patterson
	3	152 HP	Lincoln	Patterson
Mockingbird Wells	7	30 HP	GE	Peerless
	8	15 HP	US Motors	Peerless
	9	16 HP	US Motors	Peerless
Moog Rd. Well	1	20 HP	US Motors	Peerless
Peterborough Well	1a	15 HP	GE	Peerless
Tilson Well	1	10 HP	US Motors	Peerless
Blue Bird Well	1	15 HP	US Motors	Peerless
Little Rd. WTP	1	150 HP	GE	Aurora
	2	150 HP	Worldwide Motor	Aurora
	3	150 HP	US Electric	Aurora
	4	200 HP	Worldwide Motor	Aurora
	5	250 HP	Worldwide Motor	Aurora
	6	300 HP	US Electric	Aurora
SEWTP	1	50 HP	Baldor	Patterson
	2	50 HP	Baldor	Patterson
	3	150 HP	Baldor	Patterson
	4	150 HP	Baldor	Patterson
	5	150 HP	Baldor	Patterson
HillCrest Well	1	100 HP	GE	Unknown
Lacoochee Well	1	15 HP	US Motors	Unknown
Trilby Well	1	40 Hp	GE	Unknown
Bet Mar, Arrowhead	1	40 HP	US Motors	Goulds submersible
Bet Mar, Kay Street	1	30 HP	US Motors	Fairbanks Morse
Oaks Royal	1	40 HP	GE	Peerless
Lake Bernadette I	1	20 HP	US Motors	Peerless
Lake Bernadette II R				
Sunburst Hills II	Well pump	40HP	US Motors	Unknown
	1	10 HP	Worldwide Motor	Unknown
	2	10 HP	Baldor	Unknown
	3	10 HP	US Motors	Unknown
	Fire Svc.	60 HP	US Motors	Unknown
Sunburst Hills I	1	40 HP	US Motors	Vertical turbine
Pine Breeze Well	1	5 HP	Franklin	Submersible
Ponds Well	1	40 HP	US Motors	Vertical turbine
Groves Well	1	7.5 HP	Unknown	Vertical turbine
Autumn Oaks Well	1	60 HP	US Motors	Vertical turbine
Gowers Corner Well	1	60HP	US Motors	Vertical turbine
Gowers Fire Pump	1	Diesel drive		Centrifugal vertical turbine

MONITORING WELL DATA LIST

Active Monitoring Wells Non-Active Monitoring Wells (Needs scheduled to destroy and cap)

Monitoring Wells			Case Diameter	Total Depth of Well		Latitude	Longitude
Beacon Woods Golf Course						(PERMIT NUMBER # D051-114179 / GMS # 51C10005)	
BWSI - 1		Active	2 inch	19'		28° 20' 33.9" N	82° 40' 22.9" W
BWSI - 2 A		Active	2 inch	22'		28° 20' 29.6" N	82° 41' 16.3" W
BWSI - 3		Abandoned	2 inch	19'		28° 20' 55.2" N	82° 41' 03.6" W
BWSI - 4		Abandoned	2 inch	19.5'		28° 20' 31.2" N	82° 40' 55.8" W
(Smoke House Ponds)						(PERMIT NUMBER # D051-81262 / GMS # 51C10005)	
SM - 1		Active	2 inch	40'		28° 20' 52.1" N	82° 41' 18.1" W
SM - 2		Active	2 inch	42'		28° 20' 50.4" N	82° 41' 26.3" W
SM - 3		Inactive	2 inch	42'		28° 20' 47.5" N	82° 41' 25.8" W
(WWTP)						(PERMIT NUMBER # D051-81262 / GMS # 51C10005)	
BW - 1	(Background)	Inactive	2 inch	15'		28° 20' 19.6" N	82° 41' 15.7" W
BW - 2	(Intermediate)	Inactive	2 inch	15'		28° 20' 17.6" N	82° 41' 15.7" W
BW - 3	(Compliance)	Abandoned	2 inch	9'		28° 20' 18.0" N	82° 41' 17.4" W
BW - 3A		Active	2 inch	15.76'		28° 20' 18.8" N	82° 41' 17.4" W
BWSI - 4A		Active	2 inch	32.24'		28° 20' 31.2" N	82° 40' 55.8" W
EXMW - 3A		Active	2 inch	34.92'		28° 18' 10.9" N	82° 40' 52.4" W
SBSI - 3A		Inactive	2 inch	16.97'		28° 14' 02" N	82° 19' 21" W
Deer Park Wetlands							
SMW - 1		Inactive	2 inch			28° 14' 00" N	82° 39' 30" W
FMW - 1		Inactive	2 inch	125'		28° 14' 00" N	82° 39' 30" W
SMW - 2		Inactive	2 inch			28° 14' 00" N	82° 39' 30" W
FMW - 2		Inactive	2 inch	85'		28° 14' 00" N	82° 39' 30" W
SMW - 3		Inactive	2 inch			28° 14' 00" N	82° 39' 30" W
FMW - 3		Inactive	2 inch	75'		28° 14' 00" N	82° 39' 30" W
Deer Park WWTP						(PERMIT NUMBER # D051-121098 / GMS # 51C00375)	
(Percolation Pond)							
DP - 1 (B)	(Background)	Active	2 inch	23'		28° 14' 02.3" N	82° 39' 35.1" W
DP - 2	(Compliance)	Active	2 inch			28° 13' 55.3" N	82° 39' 47.3" W
DP - 3	(Compliance)	Active	2 inch	16'		28° 13' 55.7" N	82° 39' 37.3" W
Embassy Hills / Fox Hollow						(PERMIT NUMBER # D051-116534A / GMS # 51C10009)	
(Fox Hollow)							
DMW - 1		Active	2 inch	67'		28° 18' 14.3" N	82° 40' 41.0" W
DMW - 2		Inactive	2 inch				
DMW - 3A (3R)		Inactive	2 inch	57'		28° 18' 11.6" N	82° 40' 23.8" W
DMW - 4		Active	2 inch	46'		28° 18' 11.0" N	82° 40' 52.4" W
EXMW - 1A (EXW - 1A)		Active	2 inch	21.5'		28° 18' 07.7" N	82° 40' 49.9" W
EXMW - 2		Inactive	2 inch	16'		28° 18' 16.9" N	82° 40' 50.4" W
EXMW - 3A (EXW - 3A)		Active	2 inch	20.5'		28° 18' 10.9" N	82° 40' 52.4" W
						(SWFWMD PERMIT NUMBER # 511755.02)	
PR - 2A (P - 2RAR)	Replaced	Active	2 inch	15'		28° 18' 13.5" N	82° 40' 39.5" W
PR - 3A (P - 3RA)		Active	2 inch	16'		28° 18' 16.7" N	82° 40' 30.2" W
PR - 5A (P - 5RA)		Inactive	2 inch	15'		28° 18' 11.4" N	82° 40' 23.7" W
(Denton Avenue RRIB)							
EHN - 1S		Inactive	2 inch	20'		28° 22' 47" N	82° 38' 02" W
EHN - 2S		Inactive	2 inch	35'		28° 23' 06" N	82° 38' 13" W
EHN - 3S		Active	2 inch	25'		28° 23' 18" N	82° 38' 21" W
EHN - 4S		Active	2 inch	25'		28° 23' 04" N	82° 38' 30" W
EHN - 5F		Active	2 inch	81'		28° 23' 04" N	82° 38' 30" W
EHN - 6F		Inactive	2 inch	85'		28° 23' 21" N	82° 38' 02" W
EHN - 7S		Inactive	2 inch	28'		28° 23' 21" N	82° 38' 02" W
(Embassy Hills WWTP)							
EH - 1	(Background)	Abandoned	2 inch	20'		Unknown	Unknown
EH - 2	(Intermediate)	Abandoned	2 inch	35'		Unknown	Unknown
EH - 3	(Compliance)	Abandoned	2 inch	25'		Unknown	Unknown
Handcart Road						(SWFWMD PERMIT NUMBER # 519501.01 - 06)	
HCR - 1		Active	2 inch	20'		28° 18' 03" N	82° 14' 31" W
HCR - 2		Active	2 inch	20'		28° 18' 03" N	82° 14' 31" W
HCR - 3		Inactive	2 inch	20'		28° 18' 06" N	82° 14' 35" W
HCR - 4		Inactive	2 inch	20'		28° 18' 06" N	82° 14' 35" W
HCR - 5		Active	2 inch	20'		28° 18' 17" N	82° 14' 37" W
HCR - 6		Active	2 inch	20'		28° 18' 17" N	82° 14' 37" W
BMW - 1B		Inactive	2 inch	Unknown		Unknown	Unknown
Heritage Pines							
HPGC - 1		Active	2 inch	30'		28° 26' 00.6" N	82° 37' 02.76" W
HPGC - 2		Active	2 inch	30'		28° 25' 45.1" N	82° 37' 02.45.09" W
HPGC - 3		Active	2 inch	20'		28° 25' 36.55" N	82° 38' 00.73" W
HPGC - 4		Active	2 inch	25'		28° 25' 21.52" N	82° 37' 46.35" W
HPGC - 5		Active	2 inch	30'		28° 25' 20.6" N	82° 37' 48.12" W
Hudson							
HD - 1S			2 inch	28'		28° 23' 30" N	82° 37' 32" W

MONITORING WELL DATA LIST

Active Monitoring Wells Non-Active Monitoring Wells (Needs scheduled to destroy and cap)

Monitoring Wells	Case Diameter	Total Depth of Well	Latitude	Longitude
HD - 2S	Active	2 inch	30'	28° 23' 02" N 82° 37' 42" W
HD - 3S	Active	2 inch	39'	28° 23' 57" N 82° 38' 13" W
HD - 4S		2 inch	27'	28° 24' 10" N 82° 38' 17" W
HD - 5S	Active	2 inch	31'	28° 23' 55" N 82° 38' 17" W
HD - 6S	Active	2 inch	33'	28° 23' 43" N 82° 38' 14" W
HD - 7F		2 inch	84'	28° 23' 30" N 82° 37' 32" W
HD - 8F	Active	2 inch	79'	28° 24' 10" N 82° 38' 17" W
HD - 9F	Active	2 inch	102'	28° 23' 43" N 82° 38' 14" W
HD - 10F	Active	2 inch	79'	28° 23' 23" N 82° 37' 47" W
HD - 11S		2 inch	23'	28° 23' 23" N 82° 37' 47" W
HD - 12F	Active	2 inch	73'	28° 23' 54.5" N 82° 38' 15.7" W
Lake Padgett				
(Land O'Lakes WWTP) (Abandoned 3/30/00)				
LP - 1	Inactive	2 inch	20'	28° 14' 45.4" N 82° 26' 19.1" W
LP - 2	Inactive	2 inch	20'	28° 14' 45.0" N 82° 26' 19.1" W
LP - 3	(Compliance) Inactive	2 inch	20'	28° 14' 40.5" N 82° 26' 25.9" W
LP - 4	(Intermediate) Inactive	2 inch	20'	28° 14' 40.5" N 82° 26' 25.4" W
LP - 5	Inactive	2 inch	20'	28° 14' 40.7" N 82° 26' 10.7" W
LP - 6	Inactive	2 inch	20'	28° 14' 40.9" N 82° 26' 10.1" W
(SFWWMD PERMIT NUMBER # 585736.01)				
LP - 7A	Inactive	2 inch	18'	
(SFWWMD PERMIT NUMBER # 519766.01)				
LP - 8A	Inactive	2 inch	18'	Unknown Unknown
LP - 8B	Inactive	2 inch	17'	Unknown Unknown
(SFWWMD PERMIT NUMBER # 482065)				
MW - 9	(Shallow) Inactive	2 inch	15'	28° 14' 35" N 82° 26' 15" W
(SFWWMD PERMIT NUMBER # 482063)				
MW - 10	(Shallow) Inactive	2 inch	15'	28° 14' 35" N 82° 26' 10" W
(SFWWMD PERMIT NUMBER # 482064)				
MW - 11	(Shallow) Inactive	2 inch	15'	28° 14' 35" N 82° 26' 10" W
(Effluent Disposal Facility)				
(SFWWMD PERMIT NUMBER # 482066)				
BMW - 2	(Shallow)	2 inch	15'	28° 14' 40" N 82° 26' 20" W
(SFWWMD PERMIT NUMBER # 482067)				
MW - 7	(Shallow)	2 inch	15'	28° 14' 20" N 82° 26' 12" W
(SFWWMD PERMIT NUMBER # 482068)				
MW - 8	(Shallow)	2 inch	15'	28° 14' 19" N 82° 26' 12" W
Links Of Bernadette Golf Course				
(SFWWMD PERMIT NUMBER # 467008)				
LB - 1 (BMW - 1)	Active	2 inch	12'	28° 14' 35" N 82° 14' 12" W
(SFWWMD PERMIT NUMBER # 478092)				
LB - 2	Active	2 inch	15'	28° 13' 59" N 82° 14' 38" W
(SFWWMD PERMIT NUMBER # 513389.01)				
LB - 3A	Active	2 inch	15'	28° 13' 53" N 82° 14' 13" W
(SFWWMD PERMIT NUMBER # 478095)				
LB - 4	Active	2 inch	15'	28° 14' 6" N 82° 14' 12" W
(SFWWMD PERMIT NUMBER # 478096)				
LB - 5	DESTROYED	2 inch		28° 14' 19" N 82° 14' 43" W
LB - 6	NOT DRILLED	2 inch		Unknown Unknown
(PERMIT NUMBER # FLA 016094)				
Oakley Groves RIBBS				
OG - 1	Active	2 inch		28° 16' 05" N 82° 20' 06" W
OG - 2	Active	2 inch		28° 16' 05" N 82° 20' 06" W
OG - 3	Inactive	2 inch	15'	28° 15' 53.9" N 82° 19' 52.7" W
OG - 4	Active	2 inch	15'	28° 15' 51.4" N 82° 20' 09.1" W
OG - 5	Active	2 inch		28° 15' 50" N 82° 20' 01" W
OG - 6	Active	2 inch	15'	28° 15' 34.4" N 82° 20' 11.2" W
OG - 7	Active	2 inch		28° 15' 35" N 82° 20' 19" W
OG - 8	Inactive	2 inch	15'	28° 15' 31.7" N 82° 20' 20" W
OG - 9	Inactive	2 inch	14'	28° 15' 34.8" N 82° 20' 24.5" W
Odessa WWTP				
(PERMIT NUMBER # DC51 - 243453 / GMS # 4051C03613)				
OD - 1	Active	2 inch	13'	28° 12' 05" N 82° 34' 34.2" W
OD - 2	Active	2 inch	12'	28° 12' 02.6" N 82° 34' 51.4" W
OD - 3	Inactive	2 inch	75'	28° 11' 58.4" N 82° 34' 45.3" W
(PERMIT NUMBER # DC51 - 243453A / GMS # 4051C03613)				
OD - 4	Active	2 inch	12'	28° 11' 51.6" N 82° 34' 55.2" W
OD - 5	Active	2 inch	12'	28° 12' 11.4" N 82° 34' 26.9" W
OD - 6	Active	2 inch	12'	28° 12' 00.2" N 82° 35' 00.2" W
OD - 7	Active	2 inch	12'	28° 11' 58.2" N 82° 35' 00.8" W
Price - Altman Groves				
(SFWWMD PERMIT NUMBER # 536419-08)				
PA - 1 (MW - 1)	Active	2 inch	34.5'	28° 18' 37.1" N 82° 14' 52.8" W
PA - 2 (MW - 2)	Active	2 inch	34.5'	28° 18' 49.7" N 82° 14' 28.8" W

MONITORING WELL DATA LIST

Active Monitoring Wells Non-Active Monitoring Wells (Needs scheduled to destroy and cap)

Monitoring Wells			Case Diameter	Total Depth of Well		Latitude	Longitude
PA - 3 (MW - 3)		Active	2 inch	34.5'		28° 19' 04.7" N	82° 14' 52.8" W
PA - 4 (MW - 4)		Inactive	2 inch	34.5'		28° 19' 15.7" N	82° 14' 58.1" W
PA - 5 (MW - 5)		Active	2 inch	44.5'		28° 19' 21.3" N	82° 15' 13.8" W
PA - 6 (MW - 6)		Active	2 inch	34.5'		28° 19' 04.7" N	82° 15' 10.3" W
PA - 7 (MW - 7)		Inactive	2 inch	34.5'		28° 18' 47.2" N	82° 15' 11.9" W
Quail Hollow Golf Course						(PERMIT NUMBER # DC51 - 145550 / GMS # 4051P15973)	
QH - 1 (MW - 1)		Active	2 inch	12.5'		28° 14' 46.2" N	82° 21' 33.0" W
QH - 2 (MW - 2)		Active	2 inch	13'		28° 15' 12.2" N	82° 21' 26.7" W
QH - 3 (MW - 3)		Active	2 inch	12.5'		28° 14' 55.1" N	82° 22' 00.0" W
QH - 4	(Destroyed)		2 inch	13'		28° 15' 05.6" N	82° 21' 37.4" W
						(PERMIT NUMBER # FLA 127272 - DWIR)	
QH - 4A		Active		13'		28° 15' 12.67" N	82° 21' 36.16" W
Saddlebrook Golf Course							
SBSI - 1		Inactive	2 inch	Unknown		Unknown	Unknown
SBSI - 2		Inactive	2 inch	Unknown		Unknown	Unknown
SBSI - 3	(Replaced)	Inactive	2 inch	Unknown		Unknown	Unknown
SBSI - 3A		Inactive	2 inch	Unknown		Unknown	Unknown
SBSI - 4		Inactive	2 inch	Unknown		Unknown	Unknown
SBSI - 5		Inactive	2 inch	Unknown		Unknown	Unknown
SBSI - 6		Inactive	2 inch	Unknown		Unknown	Unknown
SBSI - 7		Inactive	2 inch	Unknown		Unknown	Unknown
SBSI - 8		Inactive	2 inch	Unknown		Unknown	Unknown
BW - 3A	Beacon Woods	Active	2 inch	Unknown		28° 20' 18.8" N	82° 41' 17.4" W
BW - 4A	Beacon Woods	Active	2 inch	Unknown		28° 20' 31.2" N	82° 40' 55.8" W
EXMW - 3A	Beacon Woods	Active	2 inch	Unknown		28° 18' 10.9" N	82° 40' 52.4" W
SBSI - 3A		Inactive	2 inch	Unknown		28° 14' 02" N	82° 19' 21" W
South East Pasco WWTP						(SWFWMD PERMIT NUMBER # 467836)	
BMW - 1	(Abandoned 9/5/00)		2 inch	12.6'		28° 14' 55" N	82° 14' 50" W
						(SWFWMD PERMIT NUMBER # 467452)	
SEP - 2 (MW - 2)		Abandoned	2 inch	14'		28° 14' 44" N	82° 14' 53" W
						(SWFWMD PERMIT NUMBER # 467453)	
SEP - 3 (MW - 3)		Abandoned	2 inch	15'		28° 14' 45" N	82° 14' 53" W
						(SWFWMD PERMIT NUMBER # 467454)	
SEP - 4 (MW - 4)		Abandoned	2 inch	13'		28° 14' 50" N	82° 14' 54" W
						(SWFWMD PERMIT NUMBER # 467455)	
SEP - 5 (MW - 5)		Abandoned	2 inch	13'		28° 14' 51" N	82° 14' 54" W
						(SWFWMD PERMIT NUMBER # 467456)	
SEP - 6 (MW - 6)		Abandoned	2 inch	13'		28° 14' 46" N	82° 14' 56" W
						(SWFWMD PERMIT NUMBER # 467457)	
SEP - 7 (MW - 7)		Abandoned	2 inch	13'		28° 14' 46" N	82° 14' 57" W
BMW - 1A		Abandoned	2 inch	Unknown		28° 14' 44" N	82° 14' 53" W
Seven Springs Golf Course						(PERMIT NUMBER # DC51 - 126760 / GMS # 51C00375)	
SSMW - 1	(Background)	Active	2 inch	15'		28° 12' 22" N	82° 39' 28" W
SSMW - 2	(Compliance)	Inactive	2 inch	15'		28° 12' 57" N	82° 39' 45" W
SSMW - 3	(Intermediate)	Active	2 inch	15'		28° 12' 34" N	82° 39' 34" W
SSMW - 4	(Intermediate)	Inactive	2 inch	15'		28° 12' 41" N	82° 39' 46" W
SSMW - 5	(Intermediate)	Active	2 inch	15'		28° 12' 49" N	82° 39' 15" W
SSMW - 6	(Compliance)	Active	2 inch	15'		28° 12' 56" N	82° 39' 26" W
Shady Hills WWTP						(SWFWMD PERMIT NUMBER # 492363)	
SH - 1 (MW - 1)		Active	2 inch	25'		28° 21' 40" N	82° 33' 48" W
						(SWFWMD PERMIT NUMBER # 492364)	
SH - 2 (MW - 2)		Active	2 inch	25'		28° 21' 41" N	82° 33' 48" W
						(SWFWMD PERMIT NUMBER # 492365)	
SH - 3 (MW - 3)		Active	2 inch	25'		28° 21' 51" N	82° 33' 49" W
						(SWFWMD PERMIT NUMBER # 492366)	
SH - 4 (MW - 4)		(Abandoned)	2 inch	25'		28° 21' 51" N	82° 33' 48" W
SH-4A		Active				(SWFWMD PERMIT NUMBER # 492367)	
SH - 5 (MW - 5)	(Abandoned)		2 inch	25'		28° 22' 03" N	82° 34' 37" W
SH-5A		Active				(SWFWMD PERMIT NUMBER # 492368)	
SH - 6 (MW - 6)	(Capped)		2 inch	25'		28° 22' 04" N	82° 34' 37" W
						(SWFWMD PERMIT NUMBER # 492369)	
SH - 7 (MW - 7)		Inactive	2 inch	25'		28° 21' 51" N	82° 33' 38" W
						(SWFWMD PERMIT NUMBER # 492370)	
SH - 8 (MW - 8)		Inactive	2 inch	25'		28° 21' 51" N	82° 33' 37" W
						(SWFWMD PERMIT NUMBER # 492361)	
DMW - 1		Active	2 inch	70'		28° 21' 40" N	82° 33' 48" W
						(SWFWMD PERMIT NUMBER # 492362)	
DMW - 2		Active	2 inch	55'		28° 21' 51" N	82° 33' 37" W
						(PERMIT NUMBER # DC51 - 242669 / GMS # 4051C15977)	

MONITORING WELL DATA LIST

Active Monitoring Wells

Non-Active Monitoring Wells (Needs scheduled to destroy and cap)

Monitoring Wells			Case Diameter	Total Depth of Well	Latitude	Longitude
SHR - 1 (NW RIBB)	(Background)	Active	2 inch	21'	28° 22' 47.6" N	82° 38' 15.8" W
SHR - 2 (NW RIBB)	(Intermediate)	Destroyed	2 inch	21'	28° 22' 46.9" N	82° 38' 23" W
SHR - 3 (NW RIBB)	(Compliance)	Active	2 inch	25'	28° 22' 45.6" N	82° 38' 29.9" W
SHR - 2A (NW RIBB)	??	Active	2 inch	Unknown	Unknown	Unknown
Shady Hills / CAR Wells						
MW - 10A		Active	2 inch	Unknown	Unknown	Unknown
MW - 10B		Active	2 inch	Unknown	Unknown	Unknown
MW - 11A		Active	2 inch	Unknown	Unknown	Unknown
MW - 11B		Active	2 inch	Unknown	Unknown	Unknown
MW - 12A		Active	2 inch	Unknown	Unknown	Unknown
MW - 12B		Active	2 inch	Unknown	Unknown	Unknown
DMW - 3		Active	2 inch	Unknown	Unknown	Unknown
DMW - 4		Active	2 inch	Unknown	Unknown	Unknown
DMW-5		Active	2 inch	Unknown	Unknown	Unknown
Silver Oaks Golf Course						
SO - 1 (BMW - 1)		Destroyed	2 inch	25'	28° 15' 30" N	82° 12' 10" W
						(SWFWMD PERMIT NUMBER # 478097)
SO - 2		Active but Dry	2 inch	25'	28° 15' 15" N	82° 12' 10" W
						(SWFWMD PERMIT NUMBER # 478098)
SO - 3		Damaged	2 inch	25'	28° 15' 22" N	82° 12' 30" W
						(SWFWMD PERMIT NUMBER # 478099)
SO - 4		Active	2 inch	25'	28° 14' 50" N	82° 12' 30" W
Timber Greens Golf Course						
TGGC - 1		Active	2 inch	15'	28° 15' 13.07" N	82° 39' 38.24" W
Timber Oaks Golf Course						
TOE - 1	(Background)	Inactive	2 inch		28° 18' 40.1" N	82° 40' 14.3" W
TOE - 2	(Intermediate)	Inactive	2 inch	Unknown	28° 18' 45.4" N	82° 40' 20.9" W
TOE - 3	(Compliance)	Inactive	2 inch	Unknown	28° 18' 43.7" N	82° 40' 17.7" W
TON - 1	(Background)	Inactive	2 inch	Unknown	28° 19' 10.8" N	82° 40' 38.1" W
TON - 2	(Intermediate)	Inactive	2 inch	Unknown	28° 19' 00.3" N	82° 40' 39.1" W
TON - 3	(Compliance)	Inactive	2 inch	Unknown	28° 19' 05.2" N	82° 40' 40.5" W
GCW - 2	(Capped)	Inactive	2 inch	Unknown	Unknown	Unknown
GCW - 2		Inactive	2 inch	Unknown	Unknown	Unknown
GCW - 3		Inactive	2 inch	Unknown	Unknown	Unknown
GCW - 4		Inactive	2 inch	Unknown	Unknown	Unknown
GCW - 1B		Inactive	2 inch	Unknown	28° 18' 45" N	82° 39' 59" W
Trout Creek						
WW - 1A		(Abandoned)	2 inch	Unknown	Unknown	Unknown
WW - 2A		(Abandoned)	2 inch	Unknown	Unknown	Unknown
WW - 3A		(Abandoned)	2 inch	Unknown	Unknown	Unknown
Tucker Groves						
						(SWFWMD PERMIT NUMBER # 508398)
LP - 12		Inactive	2 inch	20'	28° 18' 40" N	82° 26' 42" W
						(SWFWMD PERMIT NUMBER # 508399)
LP - 13		Inactive	2 inch	20'	28° 14' 44" N	82° 26' 40" W
LP - 14		Inactive	2 inch	20'	28° 14' 48.16" N	82° 26' 26.18" W
LP - 15		Inactive	2 inch	15'	28° 14' 02.32" N	82° 26' 11.79" W
LP - 16		Inactive	2 inch	15'	28° 14' 14.79" N	82° 26' 24.17" W
LP - 17		Inactive	2 inch	15'	28° 14' 15.35" N	82° 26' 37.34" W
LP - 18		Inactive	2 inch	12'	28° 14' 14.73" N	82° 26' 44.15" W
Wildcat Groves						
						(SWFWMD PERMIT NUMBER # 536415-08)
WCG - 1 (MW - 1)	(Background)	Inactive	2 inch	35'	28° 16' 03.7" N	82° 20' 05.8" W
WCG - 2 (MW - 2)	(Compliance)	Inactive	2 inch	34'	28° 16' 12.5" N	82° 19' 57.7" W
WCG - 3 (MW - 3)	(Compliance)	Inactive	2 inch	28'	28° 16' 22.9" N	82° 20' 04.1" W
WCG - 4 (MW - 4)	(Background)	Inactive	2 inch	20'	28° 16' 30.3" N	82° 19' 13.9" W
WCG - 5 (MW - 5)	(Compliance)	Inactive	2 inch	20'	28° 16' 40.9" N	82° 19' 11.2" W
WCG - 6 (MW - 6)	(Compliance)	Inactive	2 inch	28'	28° 16' 42.6" N	82° 19' 23.5" W
WCG - 7 (MW - 7)	(Compliance)	Inactive	2 inch	42.5'	28° 16' 25.2" N	82° 19' 34.5" W
East Pasco Landfill						
						(PERMIT NUMBER # SO51 - 104098 / GMS # 51C00027)
SW - 1			2 inch	25'	28° 20' 42" N	82° 08' 03.1" W
SW - 2			2 inch	25'	28° 20' 47.6" N	82° 07' 53.1" W
SW - 3			2 inch	25'	28° 20' 41.2" N	82° 07' 48.9" W
SW - 3A						
SW - 4			2 inch	25'	28° 20' 35" N	82° 08' 02.1" W
SW - 5			2 inch	21'	28° 20' 26.7" N	82° 08' 01.7" W
SW - 5A			2 inch			
SW - 6			2 inch	20.5	28° 20' 20" N	82° 07' 50.7" W
SW - 6A			2 inch			
SW - 7			2 inch	25'	28° 20' 19.9" N	82° 08' 02.7" W
						(SWFWMD PERMIT NUMBER # 474015-19)

MONITORING WELL DATA LIST

Active Monitoring Wells Non-Active Monitoring Wells (Needs scheduled to destroy and cap

Monitoring Wells	Case Diameter	Total Depth of Well	Latitude	Longitude
SW - 7A	2 inch	25'	28° 20' 19.9" N	82° 08' 02.7" W
(PERMIT NUMBER # SO51 - 104098 / GMS # 51C00027)				
SW - 8	2 inch	25'	28° 20' 13.7" N	82° 08' 03" W
SW - 9	2 inch	25'	28° 20' 08.7" N	82° 07' 50" W
SW - 9A	2 inch	Unknown	Unknown	Unknown
SW - 10	2 inch	Unknown	Unknown	Unknown
SW - 11	2 inch	Unknown	Unknown	Unknown
(SWFWMD PERMIT NUMBER # 528611.04)				
SW - 12	2 inch	15'		
SW - 13	2 inch			
(SWFWMD PERMIT NUMBER # 528611.04)				
SW - 14	2 inch	15'	Unknown	Unknown
SW - 15	2 inch	15'	Unknown	Unknown
SW - 16	2 inch	15'	Unknown	Unknown
(SWFWMD PERMIT NUMBER # 528611.01)				
SW - 17	2 inch	20'	Unknown	Unknown
FW - 1	2 inch	Unknown	Unknown	Unknown
(PERMIT NUMBER # SO51 - 104098 / GMS # 51C00027)				
FW - 2	2 inch	90'	28° 20' 42.4" N	82° 08' 03.1" W
FW - 3	2 inch	92'	28° 20' 30.5" N	82° 08' 03.2" W
FW - 4	2 inch	95'	28° 21' 16.7" N	82° 08' 05.8" W
(SWFWMD PERMIT NUMBER # 529072.01)				
FW - 5	2 inch	105'	Unknown	Unknown
FW - 6	2 inch	78'	Unknown	Unknown
(SWFWMD PERMIT NUMBER # 511754 / 511756)				
Resource Recovery				
2MW - 1	2 inch	18'	28° 22' 05.6" N	82° 33' 48.1" W
4MW - 1	2 inch	60'	28° 22' 05.5" N	82° 33' 48.1" W
2MW - 2	2 inch	35'	28° 22' 12.3" N	82° 33' 11.9" W
4MW - 2	2 inch	70'	28° 22' 12.2" N	82° 33' 11.9" W
2MW - 3	2 inch	15'	28° 22' 26.7" N	82° 34' 17.8" W
4MW - 3A	2 inch	50'	28° 22' 31.5" N	82° 34' 03.3" W
2MW - 4	2 inch	15'	28° 22' 57.7" N	82° 33' 31.4" W
4MW - 4	2 inch	50'	28° 22' 52.5" N	82° 33' 30.3" W
2MW - 5	2 inch	37.3'	28° 22' 46.7" N	82° 33' 52.2" W
4MW - 5	2 inch	100'	28° 22' 47.2" N	82° 33' 53.4" W
2MW - 6	2 inch	20'	28° 22' 32.7" N	82° 33' 11.1" W
4MW - 6	2 inch	100'	28° 22' 32.7" N	82° 33' 11.3" W
4MW - 11D	2 inch	52'	28° 22' 27.5" N	82° 33' 28.5" W
4MW - 12D	2 inch	55'	28° 22' 27.4" N	82° 33' 33.9" W
2MW - 13D	2 inch	18'	28° 22' 27.2" N	82° 33' 38.7" W
4MW - 13D	2 inch	36'	28° 22' 27.31" N	82° 33' 38.10" W
4MW - 14D	2 inch	50'	28° 22' 22.8" N	82° 33' 39" W
4MW - 15D	2 inch	61'	28° 22' 18.5" N	82° 33' 38.5" W
4MW - 16D	2 inch	41'	28° 22' 18.3" N	82° 33' 26.1" W
2MW - 17S	2 inch	41'	28° 22' 47.8" N	82° 33' 30.48" W
2MW - 18D	2 inch	41'	28° 22' 47.18" N	82° 33' 36.07" W
(PERMIT NUMBER # MP51 - 110283 / GMS # 51C4051C00028)				
Ridge Road Landfill				
SWR - 1 (MW - 1)	2 inch	15'	28° 17' 14.7" N	82° 40' 52.4" W
SWR - 2 (MW - 2)	2 inch	15'	28° 17' 10.2" N	82° 40' 43.8" W
SWR - 2A	2 inch	42'		
SWR - 3 (MW - 3)	2 inch	15'	28° 17' 05.1" N	82° 40' 50.6" W
SWR - 4	2 inch	15'	28° 17' 09.7" N	82° 40' 58.6" W
SWR - 4A	2 inch	42'		
SWR - 5	2 inch	15'	28° 17' 09.9" N	82° 40' 57.6" W
South East # 1 Water Supply (Lake Burnadette)				
LBO - 2 - MW	2 inch	60'	28° 13' 50.51" N	82° 13' 58.32" W
West Pasco Landfill				
2MW - 3	2 inch	15'	Unknown	Unknown
4MW - 3	2 inch	50'	Unknown	Unknown
(SWFWMD PERMIT NUMBER # 523641.01)				
4MW - 3A	2 inch	40'		
(SWFWMD PERMIT NUMBER # 494690.15)				
2MW - 7	2 inch	12'	28° 22' 18.54" N	82° 34' 06.91" W
(SWFWMD PERMIT NUMBER # 494693.15)				
4MW - 7	2 inch	15'	28° 22' 18.54" N	82° 34' 06.79" W
(SWFWMD PERMIT NUMBER # 494689.15)				
2MW - 8	2 inch	13'	28° 22' 23.07" N	82° 34' 14.85" W
(SWFWMD PERMIT NUMBER # 512499.01)				
2MW - 8A	2 inch	15'		
(SWFWMD PERMIT NUMBER # 494692.15)				
4MW - 8	2 inch	65'	28° 22' 23.19" N	82° 34' 14.84" W

MONITORING WELL DATA LIST

Active Monitoring Wells
Non-Active Monitoring Wells (Needs scheduled to destroy and cap)

Monitoring Wells			Case Diameter	Total Depth of Well		Latitude	Longitude
	2MW - 9		2 inch	11'		28° 22' 28.15" N	82° 34' 06.35" W
						(SWFWMD PERMIT NUMBER # 494688.15)	
	4MW - 9		2 inch	60'		28° 22' 28.15" N	82° 34' 06.24" W
						(SWFWMD PERMIT NUMBER # 494691.15)	
	2MW - 10		2 inch	12'		28° 22' 25.49" N	82° 34' 12.94" W
						(SWFWMD PERMIT NUMBER # 494694.15)	

OAKLEY GROVES

	OG-1		Active	2 inch	Unknown	Unknown	Unknown
	OG-2		Inactive	2 inch	Unknown	Unknown	Unknown
	OG-3		Active	2 inch	Unknown	Unknown	Unknown
	OG-4		Active	2 inch	Unknown	Unknown	Unknown
	OG-5		Active	2 inch	Unknown	Unknown	Unknown
	OG-6		Active	2 inch	Unknown	Unknown	Unknown
	OG-7		Inactive	2 inch	Unknown	Unknown	Unknown
	OG-8		Active	2 inch	Unknown	Unknown	Unknown
	OG-9		Inactive	2 inch	Unknown	Unknown	Unknown