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**GONZALES COUNTY UNDERGROUND  
WATER CONSERVATION DISTRICT**

**MONITOR WELL INSTALLATION, ELECTRIC LOGGING, AQUIFER  
TESTING, AND WATER QUALITY SAMPLING  
CARRIZO AQUIFER MONITORING WELL PROJECT**

**INVITATION TO BID  
ITB No. 10302017**

**RESPONSES DUE:**

**November 30, 2017, 5:00 PM (CT/CDT)**

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Gonzales County Underground Water Conservation District  
P.O. Box 1919  
Gonzales, TX 78629  
Contact: Greg Sengemann  
Phone: 830.672.1047  
Email: [greg.sengemann@gcuwcd.org](mailto:greg.sengemann@gcuwcd.org)

## **SECTION I - OVERVIEW**

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### **1.1 INTRODUCTION**

The Gonzales County Underground Water Conservation District (GCUWCD) requires the services of a licensed well driller (Contractor) with a monitor well endorsement for drilling and completion of up to nineteen (19) monitor wells across the Carrizo outcrop extending from Guadalupe County through Gonzales and Caldwell Counties (hereinafter “Project”). The scope of work includes drilling pilot boreholes for geologic interpretation and geophysical logging, installing and developing monitoring wells, conducting aquifer tests, and collecting water quality samples.

The main purpose of the Project is to install a network of groundwater monitoring wells to identify impacts of production in the Carrizo Aquifer as they relate to the GCUWCD’s Desired Future Conditions. A secondary purpose of the Project is to collect hydrogeologic data (aquifer thickness, transmissivity, permeability, specific yield, and water quality) across the Carrizo Aquifer outcrop. Data from the Project will be made available to the Texas Water Development Board for possible updates to the Groundwater Availability Model (GAM).

The project is being funded by the stakeholders with permits within the GCUWCD. These stakeholders include the San Antonio Water Systems, Schertz-Seguin Local Government Corporation, Canyon Regional Water Authority, Hays Caldwell Public Utility Agency, and Texas Water Alliance/Guadalupe Blanco River Authority. These stakeholders will work in coordination with the GCUWCD during the course of the Project to ensure that the selected monitoring well locations, field data collected, and final deliverables meet the specifications of the Project. The GCUWCD will have final decision authority over all aspects of the Project.

## **SECTION II – STATEMENT OF WORK**

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### **2.1 DESCRIPTION OF SERVICES**

The selected Contractor(s) will provide services based on, but are not limited to, the specifications contained in this Invitation to Bid (ITB). Services set forth that contain the words “must” or “shall” are mandatory and must be provided as specified with no alterations, modifications, or exceptions. Services set forth that contain the words “may” or “can” allow respondents to offer alternatives to the manner in which the Services are provided. The selected Contractor(s) will be under the direct supervision of the GCUWCD’s Hydrogeologic Consultant that has been selected to manage the Project.

The work will be completed in three phases. The first phase will consist of installing three monitor wells in Guadalupe County, the second phase will consist of installing six monitor wells in Guadalupe, Gonzales, and Caldwell Counties, and the third phase will consist of completing ten monitor wells in Gonzales and Caldwell Counties. After each phase of work is completed the GCUWCD, the GCUWCD’s Hydrogeologic Consultant and the stakeholders will review the data and assess whether any adjustments to the scope of work may be required to complete the project. The Project is expected to require approximately two years to complete.

## 2.2 SCOPE OF SERVICES

### Rules and Regulations

All work shall be conducted in accordance with Texas Department of Licensing and Regulation (TDLR), Texas Commission on Environmental Quality (TCEQ), Water Well Drillers and Pump Installer's rules and regulations, and applicable GCUWCD rules and regulations.

### Site Accessibility

The GCUWCD will be responsible for obtaining easements for site access. Contractor shall be responsible for physical access to the site, site preparation, and clearing all underground utilities. *A site visit will be scheduled to view each of the site locations prior to the ITB submission date.*

### Labor, Materials, Tools, Equipment

Contractor shall provide all necessary trucks, tools, fuel, equipment, materials, travel expense, per diems, staffing, and etc. to perform the tasks outlined in these specifications including mobilization, drilling of pilot borings, geophysical logging, well installation, well development, aquifer testing, water quality sampling, and site cleanup. Contractor is responsible for site security of equipment and materials.

### Contractor Duties and Services

Contractor shall be responsible for performing the following:

- **MOBILIZATION**

Contractor is responsible for mobilization of all equipment, tools, and materials to and from the monitor well locations.

- **PILOT BOREHOLES**

Prior to drilling the Contractor shall be responsible for clearing all underground utilities. Drilling of the pilot boreholes shall be performed by or under the supervision of a duly licensed State of Texas well driller. The pilot borehole shall be drilled to locate the top and base of the saturated Carrizo aquifer. The pilot borehole shall be rotary drilled to accommodate geophysical logging tools and shall be drilled reasonably straight and plumb, to the depth specified by the GCUWCD's Hydrogeologic Consultant. Total depth of the pilot borehole shall be drilled approximately 100 feet below the base of the Carrizo aquifer. The actual depth of the base of the Carrizo aquifer is unknown however, for cost estimates; the average depth of the pilot borehole should be considered 350 feet.

Should drilling mud be necessary, a commercial bentonite mud shall be used during the drilling operations. The viscosity of the mud shall be sufficient to carry the drill cuttings to the surface.

During the drilling of the pilot borehole, the well driller shall prepare and keep a complete log setting forth the following: a) reference point for all depth measurements; b) depth at which each change of formation occurs; c) depth at which the first water was encountered; d) depth at which each stratum was encountered; and e) thickness of each stratum; and f) identification of the material of which each stratum is composed

(For example: clay, sand, silt, sand, or gravel and whether sand is loose, tight, fine, medium, or coarse grained). The well driller will lay out the drill cuttings on the ground and mark every 10 feet. Washed drill samples, taken every 10 feet through the saturated portion of the Carrizo, will be bagged and submitted to the GCUWCD's Hydrogeologic Consultant.

- **GEOPHYSICAL LOGGING**

The Contractor is responsible for subcontracting the geophysical logging crew and equipment. The GCUWCD's Hydrogeologic Consultant will be present at the geophysical logging of the pilot borehole for the purpose of determining if the well will meet the intent and purpose of the Project. The geophysical log should cover the full depth of the test hole and consist of the following: a) resistivity to include normal spacing's of 8-inches, 16-inches, 32-inches, and 64-inches; b) spontaneous potential; and c) radioactivity (natural gamma). Logging should not start until the drilling fluid has been circulated in the annular space sufficient to clear obstructions. Copies of the geophysical log shall be made available to the GCUWCD's Hydrogeologic Consultant.

Upon completion of the geophysical logging, the GCUWCD's Hydrogeologic Consultant will confer with the well driller and instruct the well driller as to the plug-back depth of the pilot borehole and how the well is to be completed according to the guidelines of this document. The pilot borehole will be plugged back with a bentonite grout from the total depth to approximately 10 feet above the base of the Carrizo aquifer using a positive displacement method.

Should the GCUWCD's Hydrogeologic Consultant determine that the pilot borehole does not meet the intent and purpose of the Project, the well driller shall backfill the abandoned hole and restore the site to its original condition, according to the guidelines of this document.

- **MONITOR WELL INSTALLATION**

Upon approval of the GCUWCD's Hydrogeologic Consultant, the pilot borehole will be reamed, and a gravel-walled monitor well installed screening the Carrizo aquifer. The actual depth of the base of the Carrizo aquifer is unknown however, for cost estimates; the average depth of the monitor well should be considered 300 feet. The drilling method set forth for drilling the pilot borehole shall be used for reaming the borehole. Care should be taken to drill a straight and plumb hole. The pilot borehole shall be reamed to 10-inches in diameter to a depth specified by the GCUWCD's Hydrogeologic Consultant.

Upon completion of reaming and after drilling fluids (mud, water, etc.) have been circulated in the annular space sufficient to clear obstructions and thin the mud the drilling contractor shall set 4 ½ -inch PVC (SDR 17) casing and screen in the reamed borehole at the depth specified by the GCUWCD's Hydrogeologic Consultant. The screen slot size shall be 0.020-inch. The well screen shall be securely connected to the casing and will be a maximum of 40 feet.

A silica sand filter media (U.S. Standard Sieve Numbers, 12 - 20 (0.066-0.0331 inches)) shall be placed inside the annular space to approximately 40 feet above the top of the screen using a tremie method. Bentonite pellets shall be placed approximately 5 – 10 feet above the gravel pack to prevent any cement movement into the gravel pack during cementing operations. The annular space between the borehole and casing shall be sealed with cement, a cement slurry, or bentonite grout from the top of the gravel pack to ground surface using the positive displacement method. If using cement, the well driller is responsible for determination of suitable cement lifts that will not affect casing integrity due to heat of hydration. The minimum diameter of the Tremie shall be 2-inches.

Well development should not start until the annular seal has set up for a minimum of 24 hours. The well driller should develop the well by swabbing the screen while air-lifting with an adequate size air compressor and add a polymer dispersant such as Johnson Nu-Well 220 to facilitate residual drilling mud removal and ensure effective development. Development shall continue until the water is clean and free of drilling fluid and fine sand, and until the well's specific capacity cannot be reasonably increased by additional development.

The well shall be completed at the surface inside a locking steel casing set inside a 4-foot by 4-foot by 6-inches thick concrete pad.

- **AQUIFER TEST**

After the well has been completed and developed, the 24-hour pumping test of the well shall be conducted. All water-level measurements, during the 24-hour test, shall be recorded using a data recording transducer. The transducer data should be supplemented with manual WL measurements as backup.

The well shall be pumped continuously at a constant rate using a flow meter to assure good results. At the end of the 24-hour pumping test, the recovery of water levels shall be measured and recorded until water levels have recovered to at least 90 percent of the initial static water level or for a minimum of eight hours.

The well driller shall provide a submersible test pump, to be approved by the GCUWCD's Hydrogeologic Consultant, capable of producing a minimum capacity of fifty (50) gallons per minute (gpm), considering static level and friction losses. Provisions shall be made for measuring drawdown and recovery water levels in the well to one-hundredth of a foot. The GCUWCD's Hydrogeologic Consultant, in consultation with the well driller, will determine the time intervals between water-level measurements and the taking of field measurements (sand content, temperature, conductivity, pH). Airline measurements of water levels will not be acceptable. The well driller shall be responsible for proper disposal of water from the aquifer test.

- **WATER QUALITY SAMPLING**

Water samples taken at the end of the pumping test shall be sent to a certified-independent laboratory for chemical analysis testing. Testing shall include the following inorganic metals and non-metals: silica, iron, calcium, magnesium, sodium,

potassium, bicarbonate, sulfate, chloride, nitrate, total dissolved solids, hardness (CaCO<sub>3</sub>), specific conductance, and pH.

- **DATA SUBMISSION**

The following shall be submitted to the GCUWCD's Hydrogeologic Consultant for each well: a) washed and bagged drill cutting samples for each pilot boring, b) State of Texas Well Report (2 copies); c) geophysical logs (2 hard copies/2 cd copies); d) pumping test data (2 copies); and e) water chemistry results (2 copies).

## **2.3 CONTRACTOR REQUIREMENTS**

Respondent to this ITB and/or its subcontractors are required to have the following capabilities:

- Licensed Well Driller in the State of Texas with a monitor well endorsement and at least five years of experience installing monitor wells;
- Geophysical Logging Company with at least five years of experience with geophysical logging tools providing the following services: a normal spacing of resistivity (including normal spacing's of 8-inches, 16-inches, 32-inches, and 64-inches), spontaneous potential, and natural gamma logging;
- Certified Independent Laboratory with at least five years of operation in the State of Texas that follows The NELAC Institute (TNI) standards covering laboratory practices, total quality management, personnel, training and facilities.

## **SECTION IV – GENERAL INFORMATION**

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### **4.1 ITB SUBMISSION REQUIREMENTS**

The Respondent shall submit one (1) original copy of the ITB as follows:

- A. **CONTENT ITEM 1: Signed/dated Execution of Statement of Qualifications to the Invitation to Bid.**
- B. **CONTENT ITEM 2: Company Profile Summary and History. Response should include the following:**
  - a) Company name, address, phone number, and legal status (corporation, partnership, joint venture, sole proprietorship).
  - b) Name, phone number, and email address of contact person for any questions on the SOQ.
  - c) Number of years in business, licenses (including monitor well endorsement), and size of operation.
- B. **CONTENT ITEM 3: Subcontractors Profile Summary and History. Response should include the following:**
  - a) Company name, address, phone number, and legal status (corporation, partnership, joint venture, sole proprietorship).

- b) Name, phone number, and email address of contact person for any questions on the SOQ.
  - c) Number of years in business, licenses, and size of operation.
- C. CONTENT ITEM 4: Company's experience working in the Carrizo Aquifer or similar type aquifers. Company's experience working in the Carrizo outcrop in Guadalupe, Gonzales, or Caldwell Counties. Company's experience with installing monitor wells.
- D. CONTENT ITEM 5: Invitation to Bid Form No. 10302017

The ITB will only be considered if all items are submitted as required. Incomplete/late responses to this ITB will not be considered. All responses shall be received and date and time stamped by GCUWCD no later than the ITB Deadline. GCUWCD will not accept late submittals. Telephone, facsimile, or emailed responses will not be accepted.

**4.2 DELIVERY OF SUBMISSION**

ITB may be mailed or hand delivered to the GCUWCD at the following location:

<b>Mailing Address</b>	<b>Office Address</b>
P.O. Box 1919	920 Saint Joseph Street
Gonzales, TX 78629	Room 129
	Gonzales, TX 78629

**4.4 SCHEDULE OF EVENTS**

The solicitation process for this ITB will proceed according to the following schedule:

**EVENT DATE (Central Time)**

Deadline for Submission:	<b>November 30, 2017, 5:00 PM</b>
Expected Date of Award of Contract:	Upon Contract Execution
Expected Contract Start Date:	Upon Contract Execution

**4.5 INQUIRIES**

All inquiries MUST be submitted either in writing or via e-mail [greg.sengelmann@gcuwcd.org](mailto:greg.sengelmann@gcuwcd.org) to the attention of GCUWCD General Manager.

**4.6 ITB EVALUATION AND AWARD**

GCUWCD shall award a Contract to the vendor whose response is considered to be the best qualified to complete the Project and provide the best value. GCUWCD reserves the right to reject any and all bids.

**4.7 CONTRACT TERM**

Service for the Project shall begin upon execution of the Contract. The Contract term is for one (1) year with an option to extend this contract to cover the second and third phases of the Project at terms to be mutually agreed upon between the parties.

## **SECTION V – GENERAL TERMS AND CONDITIONS**

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### **5.1 GENERAL TERMS AND CONDITIONS**

Any contract awarded as a result of this ITB will contain the general terms and conditions provided in this document. Subcontractors must also comply.

### **5.2 RESPONDENT'S AFFIRMATION**

Signing this response (CONTENT ITEM 1 - Execution of Response to the Invitation to Bid) with a false statement is a material breach of contract and shall void the submitted response or any resulting contract(s), and the Respondent will be removed from all bid lists. By signature hereon affixed on CONTENT ITEM 1, the Respondent certifies that:

- A. The Respondent has not given, offered to give, nor intends to give at any time hereafter any economic opportunity, future employment, gift, loan, gratuity, special discount, trip, favor, or service to a public servant in connection with the submitted bid;
- B. Neither the Respondent nor the firm, corporation, partnership, or institution represented by the Respondent, or anyone acting for such firm, corporation or institution has violated the antitrust laws of this state or the Federal Antitrust Laws, nor communicated the contents of this ITB either directly or indirectly to any competitor or any other person engaged in same line of business during the procurement process for this ITB;
- C. The Respondent shall defend, indemnify, and hold harmless the GCUWCD, all of its officers, agents, and employees from and against all claims, actions, suits, demands, proceedings, costs, damages, and liabilities, arising out of, connected with, or resulting from any acts or omissions of the contractor or any agent, employee, subcontractor, or supplier of Respondent in the execution or performance of the contract;

### **5.3 DISPUTE RESOLUTION**

The dispute resolution process provided for in Chapter 2260 of the Texas Government Code must be used by the GCUWCD and the Respondent to attempt to resolve all disputes arising under the contract in the same manner as if GCUWCD was a State Agency.

### **5.4 PUBLIC INFORMATION ACT**

Information, documentation, and other material in connection with this solicitation or any resulting contract may be subject to public disclosure pursuant to Chapter 552 of the Texas Government Code (the "Public Information Act"). Any part of the ITB that is of a confidential or proprietary nature must be clearly and prominently marked as such by the Respondent.

### **5.5 FRAUD STATEMENT**

Respondents understand that the GCUWCD does not tolerate any type of fraud. The GCUWCD's policy is to promote consistent, legal, and ethical organizational behavior by assigning responsibilities and providing guidelines to enforce controls. Any violations of law, policies, or standards of ethical conduct will be investigated, and appropriate actions will be



taken. Providers are expected to report any possible fraudulent or dishonest acts, waste, or abuse to the District office at 830.672.1047.

#### **5.6 CONFLICT OF INTEREST**

A respondent will not be selected if they have a conflict of interest that will or may arise during the performance of its obligations under the contract. For this reason, the submission in response to this ITB must disclose all business interests and all relationships that could reasonably be considered to pose possible conflicts of interest in the respondent's performance of the contract obligations. In addition, respondents must represent and warrant in its response to this ITB and in the contract that in the performance of services under the contract, (1) Respondent does not have and will not have any actual or potential conflict of interest, and (2) Respondent will take whatever reasonable actions may be necessary and prudent to avoid even the appearance of impropriety. The respondent shall follow the requirements of Chapter 176, Local Government Code, including filing any disclosures required by Sec. 176.006.

#### **5.7 CONTRACT ADMINISTRATION**

The GCUWCD shall designate a contract manager for the contract. The contract manager will serve as the point of contact between the GCUWCD and the selected contractor. The GCUWCD's contract manager shall supervise the GCUWCD's review of the contractor's technical work, deliverables, draft reports, final report, payment requests, and schedules. The contract manager does not have any express or implied authority to vary the terms of the contract, amend the contract in any way, or waive strict performance of the terms or conditions of the contract.

#### **5.8 CONTRACT AMENDMENT/TERMINATION**

This contract may be altered or amended by mutual written consent or terminated by the GCUWCD at any time by written notice to the contractor. Upon receipt of such termination notice, the contractor shall, unless the notice directs otherwise, immediately discontinue all work in connection with the performance of the contract and shall proceed to cancel promptly all existing orders insofar as such orders are chargeable to the contract. The contractor shall submit a statement showing in detail the work performed under the contract to the date of termination. The GCUWCD shall then pay the contractor promptly that proportion of the prescribed fee, which applies to the work actually performed under the contract, less all payments that have been previously made. Thereupon, copies of all work accomplished under the contract shall be delivered to the GCUWCD.

#### **5.9 STOP WORK ORDER**

The GCUWCD may issue a Stop Work Order to the contractor at any time. Upon receipt of such order, the contractor shall discontinue all work under the contract and cancel all orders pursuant to the contract, unless the order directs otherwise. If the GCUWCD does not issue a Restart Order within 60 days after receipt by the contractor of the Stop Work Order, the contractor shall regard the contract terminated in accordance with the foregoing provisions.

#### **5.10 DEFAULT**

If the contractor is found to be in default under any provision of the contract, GCUWCD may cancel the contract without notice and either re-solicit or award the contract to the next best responsive and responsible Respondent. In the event of abandonment or default, the contractor

will be responsible for paying damages to GCUWCD including but not limited to re-procurement costs, and any consequential damages to the GCUWCD resulting from the contractor's non-performance. The defaulting contractor will not be considered in the re-solicitation and may not be considered in future solicitations for the same type of work, unless the specification or scope of work is significantly changed.

### **5.11 FORCE MAJEURE**

Neither the contractor nor GCUWCD shall be liable to the other for any delay in, or failure of performance, of any requirement included in the contract resulting from this RFQ caused by force majeure. The existence of such causes of delay or failure shall extend the period of performance until after the causes of delay or failure have been removed provided the non-performing party exercises all reasonable due diligence to perform. Force majeure is defined as acts of God, war, fires, explosions, hurricanes, floods, failure of transportation, or other causes that are beyond the reasonable control of either party and that by exercise of due foresight such party could not reasonably have been expected to avoid, and which, by the exercise of all reasonable due diligence, such party is unable to overcome. Each party must inform the other in writing, with proof of receipt, within three (3) business days of the existence of such force majeure, or otherwise waive this right as a defense.

### **5.12 OWNERSHIP/INTELLECTUAL PROPERTY, INCLUDING RIGHTS TO DATA, DOCUMENTS AND COMPUTER SOFTWARE**

For the purposes of the contract, the term "Work" is defined as all reports, statistical analyses, work papers, work products, materials, approaches, designs, specifications, systems, documentation, methodologies, concepts, research, materials, and intellectual property or other property developed, produced, or generated in connection with the contract. All work performed pursuant to the contract is made the exclusive property of GCUWCD. All right, title and interest in said property shall vest in GCUWCD upon creation and shall be deemed to be a work for hire and made in the course of the services rendered pursuant to the contract. To the extent that title to any such work may not, by operation of law, vest in GCUWCD, or such work may not be considered a work made for hire, all rights, title and interest therein are hereby irrevocably assigned to GCUWCD.

### **5.13 INSURANCE**

The contractor shall obtain and maintain in full force and effect during the term of the contract, commercial general liability coverage with insurance carriers admitted to do business in the State of Texas. The insurance companies must carry a Best's Rating of A- VII or better. The contractor will provide a Certificate of Insurance to the GCUWCD as evidence of coverage. The policies will be written on an occurrence basis, subject to the following minimum limits of liability:

- A. Statutory workers' compensation insurance valid in the State of Texas;
- B. Comprehensive General Liability Insurance, covering liability, including but not limited to Public Liability, Personal Injury, and Property Damage with coverage of at least \$1,000,000 per occurrence. This policy must include GCUWCD as an additional insured during the duration of the contract with GCUWCD. Any coverage afforded the GCUWCD,

the Certificate Holder, as an Additional Insured shall apply as primary and not excess to any insurance issued in the name of the GCUWCD.

C. Comprehensive Automobile Liability Insurance covering the use of all vehicles used by the contractor, whether owned, hired or non-owned with a Combined Single Limit of \$1,000,000.

D. Contractor shall give GCUWCD unqualified prior written notice of cancellation or diminution of said insurance coverage ten (10) days prior to the effective date of any such cancellation or diminution.

#### **5.14 ORDER PRECEDENCE**

In the event of conflicts or inconsistencies between the contract and its exhibits or attachments, such conflicts or inconsistencies shall be resolved by reference to the documents in the following order of priority: Signed Contract (or Notice of Award), Attachments to the Contract (or Notice of Award), Request for Qualifications, and Respondent's Response to Request for Qualifications.

#### **5.15 PROPRIETARY INFORMATION**

The GCUWCD is a government agency subject to the Public Information Act. The Response and other information submitted to the GCUWCD by the Respondent are subject to release as public information. The Response and other submitted information shall be presumed to be subject to disclosure unless a specific exception to disclosure under the Public Information Act applies. If it is necessary for the Respondent to include proprietary or otherwise confidential information in its Response or other submitted information, the Respondent must clearly label that proprietary or confidential information and identify the specific exception to disclosure in the Public Information Act. Merely making a blanket claim that the entire Response is protected from disclosure because it contains some proprietary information is not acceptable, and shall make the entire Response subject to release under the Public Information Act. In order to trigger the process of seeking an Attorney General opinion on the release of proprietary or confidential information, the specific provisions of the Response that are considered by the Respondent to be proprietary or confidential must be clearly labeled as described above. Any information which is not clearly identified as proprietary or confidential shall be deemed to be subject to disclosure pursuant to the Public Information Act.

#### **5.16 SUBSTITUTIONS**

Substitutions are not permitted without written approval of GCUWCD.

#### **5.17 TAXES**

The contractor represents and warrants that it shall pay all taxes or similar amounts resulting from the contract, including, but not limited to, any federal, state, or local income, sales or excise taxes.

**EXECUTION OF STATEMENT OF QUALIFICATIONS  
TO THE INVITATION TO BID**

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Company Name: \_\_\_\_\_

Address: \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

Phone Number: \_\_\_\_\_

E-Mail: \_\_\_\_\_

I, \_\_\_\_\_, am the above-referenced company's representative and I am authorized to submit this response and sign future contract documents.

\_\_\_\_\_  
Authorized Signature

\_\_\_\_\_  
Date

\_\_\_\_\_  
Printed Name

\_\_\_\_\_  
Title

**GONZALES COUNTY UNDERGROUND WATER CONSERVATION  
DISTRICT**

**MONITOR WELL INSTALLATION, ELECTRIC LOGGING, AQUIFER  
TESTING, AND WATER QUALITY SAMPLING  
CARRIZO AQUIFER MONITORING WELL PROJECT**

**INVITATION TO BID FORM  
ITB No.10302017**

In compliance with the Invitation to Bid ITB No. 10302017, the undersigned Bidder having examined the Invitation to Bid and Specifications, and being familiar with the conditions to be met, hereby submits the following Bid for furnishing the material, equipment, labor and everything necessary for providing the items listed below and agrees to deliver said items at the locations and for the prices set forth on this form. A bid will be subject to being considered irregular and may be rejected if it shows omissions, alterations of form, conditional alternate bids, additions or alternates in lieu of the items specified, if the unit prices are obviously unbalanced (either in excess of or below reasonably expected values), or irregularities of any kind. The Invitation to Bid ITB No. 10302017 is by reference incorporated in this contract. The Bid Form must be completed in blue or black ink or by typewriter.

<b>ITEM</b>	<b>WORK DESCRIPTION</b>	<b>COST</b>
1	Mobilization to and from Well Sites (Lump Sum)	
2	Site Preparation and Setup (Lump Sum)	
3	Drill Pilot Borehole (Per Foot)	
4	Geophysical Logging (Per Foot)	
5	Plug Back Pilot Borehole (Per Foot)	
6	Ream 10-inch Borehole to Plug Back Depth (Per Foot)	
7	Install 4 - 4 1/2-in Well with Silica Filter Media and Cementing/Grouting (Per Foot)	
8	Install Surface Completion (Lump Sum)	
9	Develop Well (Lump Sum)	
10	Conduct 24-Hour Aquifer Test (Lump Sum)	
11	Collect and Analyze Water Quality Samples (Lump Sum)	
12	Site Cleanup (Lump Sum)	

**PAYMENT TERMS AND CONDITIONS** – Contractor payments will be mailed out on the following work day after approval at the monthly board meeting or the contractor can pick up the check at the District office.

**THIS BID IS SUBMITTED BY:**

Firm: \_\_\_\_\_

Address: \_\_\_\_\_

\_\_\_\_\_

City: \_\_\_\_\_

State: \_\_\_\_\_

Zip Code: \_\_\_\_\_

Bidder acknowledges receipt of the following addenda:

Addenda No.: \_\_\_\_\_ Date: \_\_\_\_\_

Addenda No.: \_\_\_\_\_ Date: \_\_\_\_\_

Authorized Representative of Company Signature: \_\_\_\_\_

Authorized Representative Name (Print): \_\_\_\_\_

Authorized Representative Title  
(Print): \_\_\_\_\_

Business Telephone: \_\_\_\_\_ Business FAX: \_\_\_\_\_

Email Address: \_\_\_\_\_

RETURN COMPLETED & SIGNED ITB BID FORM ALONG WITH THE ITB  
SUBMISSION REQUIREMENTS.



**FOR GCUWCD USE ONLY**

ITB No.: 10302017 awarded to above named Firm/Individual:

\_\_\_\_\_

by GCUWCD on Date: \_\_\_\_\_