

FILED
October 31, 2018
**INDIANA UTILITY
REGULATORY COMMISSION**

5. Bid Form

Bid Name: Twin Lakes: Wells #12 and #13

From (Bidder): Ortman Drilling, Inc.
Full Legal Name of Bidder

241 N. 300 W.
Street Address

Kokomo, IN 46901
City/Town, State, Zip Code

Deanna Ortman, 765-412-0697, dortman@ortmandrilling.com
Contact Name, Number and Email Address

1. BIDDER ACKNOWLEDGES THAT IT HAS RECEIVED THE FOLLOWING ADDENDA AND PREPARED ITS PROPOSAL IN ACCORDANCE WITH THEM:

Addendum _____ Dated N/A

Addendum _____ Dated N/A

Addendum _____ Dated N/A

Addendum _____ Dated N/A

2. BIDDER ACKNOWLEDGES THAT ITS PROPOSAL COMPRISES ALL OF THE DOCUMENTS SUBMITTED WITH THIS BID FORM, INCLUDING THE DELIVERABLES DESCRIBED UNDER SECTION 4, INSTRUCTIONS TO BIDDERS.

3. BIDDER DECLARES AND AGREES:

- (a) that its Proposal constitutes a legally valid and binding offer made by the Bidder to CUII and shall be irrevocable and remain open for acceptance by the Utility at any time on or before 4 p.m. (CST) on the 90th day after the Closing Time;
- (b) that it possesses the experience, knowledge and skill to carry out the Work in an effective, efficient and good and workmanlike manner all in accordance with the requirements of the RFP and the Contract;
- (c) that the Bidder has examined and satisfied itself as to the nature and location of the Work, quality of materials to be used and all other matters which may in any way affect the Work under the Contract;
- (d) that, except as stated in its Proposal, it has no exceptions to the RFP; and
- (e) that it has arrived at this Proposal without collusion with any competitor.

Signed and submitted this 15th day of October, 2018, by:

Ortman Drilling, Inc.
Full Legal Name of Bidder

Martha F. Ortman
Name of Witness

Rick Ortman President
Name & Titles of Authorized Signing Officer

Martha F. Ortman
Signature of Witness

Rick Ortman
Signature of Authorized Signing Officer

Ortman Drilling, Inc.
Full Legal Name of Bidder

Martha F. Ortman
Name of Witness

Claudia L. Bergman Sec.-Treas.
Name & Titles of Authorized Signing Officer

Martha F. Ortman
Signature of Witness

Claudia L. Bergman
Signature of Authorized Signing Officer



EXPERIENCE WITH SIMILAR WORK

| Contract Amount | Type of Work | Completion Date | Name of Owner |
|-----------------|-------------------------------|-----------------|---|
| 391,697.00 | Well drilling | July 2018 | Town of Greentown, IN |
| 295,700.00 | Well drilling, piping, meters | July 2018 | Citizens Energy Group, Indianapolis, IN |
| 486,000.00 | Well drilling | May 2018 | Town of Ingalls, IN |
| 192,000.00 | Well drilling | August 2017 | Town of Pittsboro, IN |
| 17,450.00 | Well rehabilitation | May 2017 | Town of Lowell, IN |
| 21,900.00 | Well rehabilitation | May 2017 | City of La Porte, IN |



Ortman Drilling & Water Services is located in Howard County, approximately two hours (120 miles) from the work location.

Office Locations Throughout Indiana

www.ortmandrilling.com

EQUIPMENT AVAILABLE FOR PERFORMANCE OF PROPOSED PROJECT

5 well drilling rigs

Well rehabilitation equipment, both chemical and mechanical

3 large cranes

Bobcats

Fork lifts

Large trucks and trailers

All necessary support equipment

Twin Lakes: Wells #12 and #13 – Community Utilities of Indiana, Inc

10/15/18 - DO-18083

Ortman Drilling, Inc. appreciates the opportunity to provide this ***BID LETTER*** for the above referenced project. This proposal includes all necessary labor, equipment, materials, and supervision to complete the related scope outlined below for Wells #12 and #13.

The following is a list of the major components **INCLUDED & EXCLUDED** from this proposal.

We are willing to discuss and make scope adjustments as needed.

Inclusions:

- Project meetings, drilling documentation & Indiana State Well Logs
- All Submittals, SDS & Product Data Sheets
- Copies Ortman Drilling Employees / drillers licenses & pump installers licenses
- Typical working hours M-F (~ 7:00 am – 5:00 pm) (no weekends or holidays)
- Crew will travel from Kokomo on weekdays and stay in Lake County on weeknights
- Provide as-built drawing, O&M's and close-out documents as required
- All Submittals, MSDS & Product Data Sheets
- All installation & testing per (NGWA) National Ground Water Association standards
- Note: our drilling equipment can weigh over 50,000 lbs.
- IDEM permit fee and application submittal for Well #12 and #13
 - Assemble necessary information required by IDEM
 - Fill out necessary paperwork required for IDEM well site survey and construction permit
 - Prepare and submit application for formal well site approval and well/water system construction permit in accordance with IDEM
- Drilling location to be selected by the IDEM inspector
- Water testing of fluoride, nitrate, and total coliform for IDEM permit
- Drilling water will be provided by Ortman Drilling via supply wells
- Grouting of casing per NGWA / DNR specifications
- Well rehabilitation and maintenance for (2) wells per year
 - Rehabilitation method and chemicals: Double-disc surging and Acetic acid chemical blend
- Seeding and grading assumption of \$800

Exclusions:

- Private utility locates – available upon request
- Survey work, layout or identification of any existing site utilities
- Repair or replacement costs associated with mismarked or unmarked utilities
- Temporary facilities, dumpsters, or site fencing
- Soil compaction, proctor, or third party testing
- Tree, limb, vegetation, or stump removal
- Additional mobilizations or other work due to unforeseen conditions
- Concrete / asphalt cut, patch, remove or replace
- Any mechanical / electrical work, piping or insulation inside building not outlined below

Ortman Drilling, Inc. may be able to provide many of the excluded items above upon request; however, these items have been omitted to improve overall cost efficiency. This letter is to be included as part of any formal contract. Payment & Performance Bond have NOT been included in this proposal, but available upon request.

We are in receipt of Request for Proposals

SCOPE:

Wells 12

- Drill permanent 12” potable water well (Bid depth: 125’) via reverse rotary
 - Due to the ground formation seen in nearby well logs, it is not recommended to drill the permanent well with mud rotary
 - Required water for drilling with reverse rotary will be provided by supply well drilled by Ortman Drilling
 - After permanent well is drilled, the supply well will be abandoned per IDNR requirements
- Install 12” steel casing and 20’ of stainless steel screen (welded with continuous slot, V-shaped openings)
- Conduct 20 hours of development
- Install temporary submersible pump and conduct required 24-hour pump test to satisfy IDEM requirements
 - Obtain (1) nitrate, (1) fluoride, (1) total coliform water samples after pump test complete
- Install Baker pitless adapter with integrated sample tap and protective well enclosure
 - Concrete pad around pitless adapter for enclosure base (2’ x 2 x 8” thickness)
- Install submersible pump (capable of 200 gpm at 65 psi with 10’ of friction assumed) and 460v 3 phase motor
 - Includes ¾” poly for water level indicator
- 4” Certa-Lok drop pipe used to set pump intake at bid depth of 75’
- New electrical controls installed inside water treatment plant
- Install 15’ of 6” raw water main with (2) isolation valves, 115’ of electrical wiring, and concrete meter vault for new propeller meter (Bid depth: 8’) below grade per sketch
- Estimated length of time to complete project: 15 – 20 working days
- Includes \$800 standard seeding/grading cost

Well 13

- Drill permanent 12” potable water well (Bid depth: 125’) via reverse rotary
 - Due to the ground formation seen in nearby well logs, it is not recommended to drill the permanent well with mud rotary
 - Required water for drilling with reverse rotary will be provided by supply well drilled by Ortman Drilling
 - After permanent well is drilled, the supply well will be abandoned per IDNR requirements
- Install 12” steel casing and 20’ of stainless steel screen (welded with continuous slot, V-shaped openings)
- Conduct 20 hours of development
- Install temporary submersible pump and conduct required 24-hour pump test to satisfy IDEM requirements
 - Obtain (1) nitrate, (1) fluoride, (1) total coliform water samples after pump test complete
- Install Baker pitless adapter with integrated sample tap and Protective Well Enclosure

- Concrete pad around pitless adapter for enclosure base (2' x 2 x 8" thickness)
- Install submersible pump (capable of 200 gpm at 65 psi with 10' of friction assumed) and 460v 3 phase motor
 - Includes ¾" poly for water level indicator
- 4" Certa-Lok drop pipe used to set pump intake at bid depth of 75'
- Utilize existing electrical controls near Well #9
- Install 95' of raw water main with (1) isolation valve and 95' of electrical wiring below grade per sketch
- Install safety disconnect in a waterproof, stainless steel enclosure 7' away from new well on 4" x 4" wooden post painted brown
- Estimated length of time to complete project: 15 – 20 working days
- Includes \$800 standard seeding/grading cost

Well 9 Abandonment

- Pull existing submersible pump, motor, and pumping equipment from Well #9
- Abandon existing Well #9 (Lion's Park) according to IDNR specifications and file necessary paperwork with IDNR
- Excavate around existing pitless adapter on Well #9, cut off and remove, and fill remaining portion of well with concrete cap
- Backfill over the newly abandoned Well #9
- Estimated length of time to complete project: 2 days

Well Rehabilitation and Maintenance (2 Per Year)

- Each well will be rehabilitated with an acetic acid chemical blend and double-disc surged
 - Muriatic acid is not recommended for cleaning due to high manganese levels in raw water
- Included in each rehabilitation:
 - Conduct a 5-step pre-cleaning flow test on the well and pump
 - Remove the permanent motor, pump, and pumping equipment from Well #3
 - Transport the equipment to Ortman Drilling's shop for cleaning, inspection, and rebuild
 - If any of the pumping equipment is not in adequate condition, a detailed report will be provided to the Owner along with cost for replacement
 - No further action will be taken without Owner approval
 - Conduct a down-hole color video of the well prior to cleaning to inspect for any integrity issues with the casing/screen and record the condition of the well
 - The casing and screen will be brushed and the debris airlifted from the well
 - Cleaning Method:
 - Day 1: Brush the casing and screen, airlift debris from the well, inject hypochlorite for overnight soak
 - Day 2: Double-disc surge and airlift hypochlorite and debris; inject acetic acid into the well and double-disc surge; leave acid in well for an overnight soak
 - Day 3: Double-disc surge the acetic acid blend; airlift acid and debris from the well; inject sodium hypochlorite into the well for an overnight soak
 - Day 4: Double-disc surge and airlift the sodium hypochlorite; clear surge the well
- Conduct a down-hole color video of the well after the cleaning to determine effectiveness of the well cleaning and to create new baseline for well's condition (Optional Adder)
- Inject disinfectant into the well after the video
- Install pump, motor, and pumping equipment in the well and conduct 5-step post-cleaning flow test on the well and pump
- Provide Owner with report, documentation, and DVD copies of videos
- Estimated length of time: 6 – 7 working days

Test Drilling Methods

Ortman Drilling & Water Services has provided (3) separate methods for drilling the requested test holes for Well #12 and #13. Bid depths are 125' per request of Utilities, Inc.

The requested method of sonic drilling is separated from the base bid price of each of the permanent wells.

Auger drilling has been included as an alternate drilling technique. It allows continuous sampling without the addition of drilling mud much like sonic drilling but at a more economical cost.

Mud rotary has been included as an alternate drilling technique. This drilling method was utilized for Utilities Inc during the construction of Well #11 and to obtain information for the initial request of drilling Well #13 in 2012.

Pricing is based off of drilling Well #12 and #13 consecutively. If this work needs to be separated, there will be an added charge for additional mobilization and demobilization. The cost of mobilization and demobilization would be \$2,500 to \$8,000/trip depending upon which portions of the project cannot be done consecutively.

Ortman Drilling Pricing,

| Project | Optional Adder | Base Bid |
|--|----------------|--|
| Well #12 (<i>Reverse Rotary</i>) | _____ | \$123,500 |
| Well #13 (<i>Reverse Rotary</i>) | _____ | \$111,250 |
| <i>Sonic Drilling</i> Test Hole (1/well) | _____ | \$11,350/each well |
| <i>Auger Drilling</i> Test Hole (1/well) | _____ | \$3,150/each well |
| <i>Mud Rotary</i> Test Hole (1/well) | _____ | \$3,500/each well |
| Abandonment of Well #9 | _____ | \$2,800 |
| Well Rehabilitation & Maintenance | _____ | \$14,850-\$15,700/each well (Dependent upon size of well) |
| Post-Cleaning Video on Rehab | \$500 | |

Respectfully,



Deanna Ortman



TERMS

All pricing is based upon acceptance within 30 days of the date of this proposal and may be modified if not accepted within 30 days. Quoted prices do not include Indiana Sales Tax on materials, which will be itemized separately from Labor and Service when the work is billed. Terms are net, not subject to discount, and invoices are to be paid in full, without retainage, within 30 days of presentation. All invoices not paid within 30 days will be subject to 2% per month service and handling fees plus any court and/or attorney fees required for collection.

ACCEPTANCE

The work as described and the stated price(s) are satisfactory and payment will be made according to the terms. This quotation/proposal is hereby accepted and the work is authorized.

Sign _____

Position _____

Print _____

Date _____

Thomas S. Berquist - L.P.G., Ortman Drilling & Water Services

Thomas is a graduate of Ball State University in 1986 with a B.S. in Geology. He also had Graduate Studies in Geology at Ball State University including Hydrogeology and Groundwater Geochemistry from 1992 through 1994. Tom has been with Ortman Drilling & Water Services since 1994 for a total of twenty-two years, where his focus has been on water resource development/protection and water well rehabilitation/redevelopment. He has worked extensively with municipal water systems to identify the biological/chemical contributors to production losses in their wells and formulated chemical treatment strategies to address the problems. He is involved in corporate industrial/construction EH&S, with training that includes OSHA 30Hr, 40Hr HAZWOPER and Confined Space Entry.

Phillip R. Bonneau - L.P.G. and Sales Representative, Ortman Drilling & Water Services

Phil has a B.S. in Geology from Ball State University. He graduated in 1981 with Graduate Studies in Geology including Surface Water Dynamics from 1990 through 1992. Phil has been with Ortman Drilling & Water Services for nineteen years, where his focus has been on water resource development and protection. He has also worked extensively in water system design and maintenance.

Richard K. Ortman, II – President, Ortman Drilling & Water Services

Richard is the current President and General Manager of Commercial Operations for Ortman Drilling & Water Services. Rick is an Indiana licensed water well driller/ pump installer, and a technical drilling specialist. For over 35 years, he has held National Ground Water Association certifications for well drilling and pump installations. With over 45 years of drilling experience, his expertise includes oil and gas exploration, mine ventilation and service holes, boring for construction support, elevator piston shaft holes, geotechnical exploration borings, and water wells.

Deanna B. Ortman - Sales Representative, Ortman Drilling & Water Services

Deanna has a B.A. in Archaeology from the University of Evansville and a Post-Baccalaureate Certificate in Accounting from Indiana University. She has been the sales representative for Ortman Drilling and Water Services in the northwest region of the state of Indiana since 2015.

Russell McDorman - Commercial Field Operations Superintendent, Ortman Drilling & Water Services

Russell has been with Ortman Drilling since 1988. As a member of the Ortman Drilling team, he has performed a number of jobs during his employment, such as but not limited to drilling, pump installation, elevator well construction and operation of all equipment owned by Ortman Drilling. Due to this field experience, he has the practical and technical knowledge for troubleshooting and recommending solutions for solving issues encountered in the water well industry. He holds an Indiana DNR certified well driller and pump installer license. He is also a National Ground Water Association certified well driller.

Brandon McDorman - Commercial Pump Technician, Ortman Drilling & Water Services

Brandon has been with Ortman Drilling since 2007. As a member of the Ortman Drilling team, he has worked as a commercial pump technician for the majority of his employment with Ortman Drilling as well as work in the elevator drilling division. He has installed and diagnosed turbine motors, pump bowl assemblies and submersible pumps of both small and large capacities. He has installed and repaired piping, such as ductile, steel, PVC and copper, in water plants, well houses and other facilities as well as work on commercial size filters and high service pumps. He holds an Indiana DNR certified pump installer license.