



Service, Quality, Community

**SPECIAL MEETING AGENDA
CITY OF BIG BEAR LAKE
DEPARTMENT OF WATER AND POWER
BOARD OF COMMISSIONERS
OCTOBER 1, 2013 – 10:00 AM
41972 GARSTIN DRIVE
BIG BEAR LAKE, CA 92315**

BOARD MEMBERS

Chair Steve Foulkes
Vice Chair Bill Giamarino
Treasurer Bob Tarras
Commissioner Don Smith
Commissioner Craig Hjorth

OPEN SESSION

CALL MEETING TO ORDER

PLEDGE OF ALLEGIANCE

PUBLIC FORUM

The public may address the Board by completing a speaker card. All remarks shall be addressed to the Board as a body only. There is a three minute maximum time limit when addressing the respective Board. Please note that State law prohibits the Board from taking any action on items not listed on the agenda.

1. DISCUSSION/ACTION ITEMS

1.1 Award Contract for the Arrastre Creek Well Drilling Project

Board to review and consider awarding contract to the lowest responsive bidder for the Arrastre Creek Well Drilling Project.

2. CLOSED SESSION

The DWP may adjourn to a closed session to consider litigation matters, personnel matters, or other matters as provided in the Ralph M. Brown Act (Section 54950, et seq., of the Government Code).

**2.1 Closed Session Pursuant to Section 54956.8
Conference with Real Property Negotiators**

Property: APN 0315-291-03

DWP Negotiator: General Manager

Negotiating Parties: DWP and YMCA of Greater Long Beach – Camp Oakes

Under Negotiation: MOU Terms

ADJOURNMENT

AGENDA REPORT



Service, Quality, Community

DATE: October 1, 2013
TO: Board of Commissioners
FROM: Reginald A. Lamson, General Manager
PREPARED BY: Bill La Haye, Contracts and Water Conservation Manager
RE: **Award Contract for the Arrastre Creek Well Drilling Project**

Background:

Bid opening for the Arrastre Creek Well drilling project was September 27, 2013. We received three bids for this project ranging from \$586,620 to \$649,299. The engineer's estimate was \$511,360.

The lowest responsive bidder was South West Pump & Drilling, Inc. Thomas Harder and Co. reviewed the proposals, contacted references, and recommended that the contract be awarded to South West Pump & Drilling, Inc.

Financial Impact:

Funding for this drilling project will come from the FY 2013/14 Budget in the amount of \$294,000 from account number 22-50-9050 (Capital Outlay – Wells and boosters), \$98,000 from account number 23-50-9250 (Capital Outlay – Wells and boosters) and \$223,951 from reserves. Once the 2013 USDA funding is in place, DWP will be reimbursed for the cost of this well.

Recommendation:

Contingent upon USDA approval, award the Arrastre Creek Well Drilling Project contract to the lowest responsive bidder, South West Pump & Drilling, Inc., in the amount of \$586,620, and budget internally for a 5 percent contingency for a total amount of \$615,951.

September 30, 2013

Mr. William La Haye
Water Resources Manager
City of Big Bear Lake Department of Water and Power
P.O. Box 1929
Big Bear Lake, California 92315

Re: Contractor Bid Review and Recommendation for the Arrastre Creek Well Drilling Project.

Dear Mr. La Haye,

Thomas Harder and Company (TH&Co) has received and reviewed a total of three formal bids for the Arrastre Creek Well drilling project. Bids were submitted by Yellow Jacket Drilling Services, Bakersfield Well and Pump Co., and South West Pump and Drilling, Inc. Upon review, all of the bids were determined to be responsive and conforming to the bid submittal specifications.

A summary of the bids is provided in Table 1. The lowest bid was submitted by South West Pump and Drilling Inc. Based on our review of their bid submittal and our experience with this contractor on previous similar projects, we believe South West Pump and Drilling, Inc. is qualified to perform the work as described in the technical specifications. As such, TH&Co recommends that South West Pump and Drilling, Inc., be awarded the contract for the Arrastre Creek Well drilling project.

Sincerely,



Thomas Harder, P.G., C.HG.
Hydrogeologist

Arrastre Creek Well Contractor Bids Summary Sheet

| Bid Item | Description | Quantity | Unit | Engineers Estimate | | South West Pump & Drilling, Inc. | | Bakersfield Well and Pump Co. | | Yellow Jacket Drilling Services | |
|---------------------------|---|----------|-------------|--------------------|---------------------------|----------------------------------|---------------------------|-------------------------------|---------------------------|---------------------------------|---------------------------|
| | | | | Unit Price | Total Item Extended Price | Unit Price | Total Item Extended Price | Unit Price | Total Item Extended Price | Unit Price | Total Item Extended Price |
| 1 | Mobilization and demobilization | 1 | Lump Sum | Lump Sum | \$75,000.00 | Lump Sum | \$78,000.00 | Lump Sum | \$100,000.00 | Lump Sum | \$76,500.00 |
| 2 | Furnish and install temporary noise control barrier walls. | 400 | Linear Foot | \$55.00 | \$22,000.00 | \$1.00 | \$400.00 | \$100.00 | \$40,000.00 | \$59.00 | \$23,600.00 |
| 3 | Drill and install surface casing/sanitary seal borehole. | 50 | Linear Foot | \$550.00 | \$27,500.00 | \$1,000.00 | \$50,000.00 | \$500.00 | \$25,000.00 | \$450.00 | \$22,500.00 |
| 4 | Drill pilot borehole. | 580 | Linear Foot | \$75.00 | \$43,500.00 | \$65.00 | \$37,700.00 | \$100.00 | \$58,000.00 | \$100.00 | \$58,000.00 |
| 5 | Perform Downhole Geophysical Surveys. | 1 | Lump Sum | Lump Sum | \$4,500.00 | Lump Sum | \$10,000.00 | Lump Sum | \$5,500.00 | Lump Sum | \$7,000.00 |
| 6 | Perform Isolated Aquifer Zone Testing. | 1 | Per Zone | Per Zone | \$12,000.00 | Per Zone | \$15,000.00 | Per Zone | \$12,000.00 | Per Zone | \$17,500.00 |
| 7 | Ream pilot borehole. | 580 | Linear Foot | \$75.00 | \$43,500.00 | \$75.00 | \$43,500.00 | \$100.00 | \$58,000.00 | \$63.00 | \$36,540.00 |
| 8 | Conduct a caliper survey. | 1 | Lump Sum | Lump Sum | \$1,500.00 | Lump Sum | \$2,000.00 | Lump Sum | \$2,500.00 | Lump Sum | \$3,000.00 |
| 9 | Furnish and install Stainless Steel blank well casing | 192 | Linear Foot | \$210.00 | \$40,320.00 | \$258.00 | \$49,536.00 | \$292.00 | \$56,064.00 | \$283.00 | \$54,336.00 |
| 10 | Furnish and install louvered, 304L Stainless Steel well screen. | 430 | Linear Foot | \$255.00 | \$109,650.00 | \$314.00 | \$135,020.00 | \$357.00 | \$153,510.00 | \$347.00 | \$149,210.00 |
| 11 | Furnish and install gravel feed tube. | 71 | Linear Foot | \$60.00 | \$4,260.00 | \$36.00 | \$2,556.00 | \$48.00 | \$3,408.00 | \$49.00 | \$3,479.00 |
| 12 | Furnish and install sounding tube. | 606 | Linear Foot | \$30.00 | \$18,180.00 | \$18.00 | \$10,908.00 | \$27.00 | \$16,362.00 | \$24.00 | \$14,544.00 |
| 13 | Furnish and install gravel pack. | 570 | Linear Foot | \$45.00 | \$25,650.00 | \$50.00 | \$28,500.00 | \$50.00 | \$28,500.00 | \$35.00 | \$19,950.00 |
| 14 | Furnish and install a cement grout annular seal. | 60 | Linear Foot | \$50.00 | \$3,000.00 | \$90.00 | \$5,400.00 | \$75.00 | \$4,500.00 | \$445.00 | \$26,700.00 |
| 15 | Perform two stages of well development. | 96 | Hour | \$300.00 | \$28,800.00 | \$475.00 | \$45,600.00 | \$350.00 | \$33,600.00 | \$565.00 | \$54,240.00 |
| 16 | Provide chlorine solution for chemical development. | 20 | Gallon | \$5.00 | \$100.00 | \$10.00 | \$200.00 | \$5.00 | \$100.00 | \$75.00 | \$1,500.00 |
| 17 | Provide polymer dispersant for chemical development. | 20 | Gallon | \$75.00 | \$1,500.00 | \$100.00 | \$2,000.00 | \$100.00 | \$2,000.00 | \$100.00 | \$2,000.00 |
| 18 | Mobilize and demobilize pumping development equipment. | 1 | Lump Sum | Lump Sum | \$17,000.00 | Lump Sum | \$30,000.00 | Lump Sum | \$12,000.00 | Lump Sum | \$26,000.00 |
| 19 | Perform well development by pumping and surging. | 60 | Hour | \$275.00 | \$16,500.00 | \$300.00 | \$18,000.00 | \$300.00 | \$18,000.00 | \$450.00 | \$27,000.00 |
| 20 | Perform step-drawdown test. | 12 | Hour | \$275.00 | \$3,300.00 | \$300.00 | \$3,600.00 | \$300.00 | \$3,600.00 | \$450.00 | \$5,400.00 |
| 21 | Perform constant-rate discharge test. | 24 | Hour | \$275.00 | \$6,600.00 | \$300.00 | \$7,200.00 | \$300.00 | \$7,200.00 | \$450.00 | \$10,800.00 |
| 22 | Perform a color video camera survey. | 1 | Lump Sum | Lump Sum | \$1,500.00 | Lump Sum | \$1,500.00 | Lump Sum | \$1,800.00 | Lump Sum | \$2,500.00 |
| 23 | Conduct well alignment/deviation tests. | 1 | Lump Sum | Lump Sum | \$2,500.00 | Lump Sum | \$5,000.00 | Lump Sum | \$2,500.00 | Lump Sum | \$3,500.00 |
| 24 | Complete final well disinfection. | 1 | Lump Sum | Lump Sum | \$3,000.00 | Lump Sum | \$5,000.00 | Lump Sum | \$1,000.00 | Lump Sum | \$3,500.00 |
| Total | | | | | \$511,360.00 | | \$586,620.00 | | \$645,144.00 | | \$649,299.00 |
| Optional Bid Items | | | | | | | | | | | |
| 25 | Standby time | NA | Hour | NA | | \$300.00 | NA | \$250.00 | NA | \$564.00 | NA |
| 26 | Destruction of pilot hole | 630 | Linear Foot | NA | | \$45.00 | \$28,350.00 | \$20.00 | \$12,600.00 | \$28.00 | \$17,640.00 |

Bid Schedule – Arrastre Creek Well

| <u>Bid Item</u> | <u>Qty</u> | <u>Unit</u> | <u>Description</u> <u>(Unit Price Written in Words)</u> | <u>Unit Price</u> <u>(Figures)</u> | <u>Total Amount</u> <u>(Figures)</u> |
|-----------------|------------|-------------|---|---------------------------------------|---|
| 1 | | LS | Mobilize and demobilization, includes mobilizing all personnel, equipment and operating supplies to the well site including temporary water storage tanks, conveyance lines, water source, and other preparatory work for the lump sum price of | | |
| | | | Seventy Eight Thousand Dollars (words) | \$ Lump Sum | \$ 78,000.00 |
| 2 | 400 | LF | Furnish and install temporary noise control barrier walls, minimum 20 feet wall height, to meet noise control requirements for the price per linear foot of | | |
| | | | One Dollar (words) | \$ 1.00 per LF | \$ 400.00 |
| 3 | 50 | LF | Drill 42-inch minimum diameter surface casing/sanitary seal borehole, install 30-inch O.D. x 3/8-inch wall mild steel conductor casing, and install cement grout annular seal to a <u>minimum</u> depth of 50 ft for the price per foot of | | |
| | | | One Thousand Dollars (words) | \$ 1,000.00 per LF | \$ 50,000.00 |
| 4 | 580 | LF | Drill by reverse circulation methods a minimum 17.5-inch diameter pilot borehole from 50 ft to 630 ft bgs for the price per foot of | | |
| | | | Sixty Five Dollars (words) | \$ 65.00 per LF | \$ 37,700.00 |

| <u>Bid Item</u> | <u>Qty</u> | <u>Unit</u> | <u>Description</u> <u>(Unit Price Written in Words)</u> | <u>Unit Price</u> <u>(Figures)</u> | <u>Total Amount</u> <u>(Figures)</u> |
|-----------------|------------|-------------|---|---------------------------------------|---|
| 5 | 1 | LS | Perform Downhole Geophysical Surveys: Spontaneous Potential, Point, Long & Short Normal Resistivity, Focused (Guard) Resistivity, Gamma-Ray and Sonic Velocity Variable Density surveys of pilot hole for the lump sum price of | | |
| | | | Ten Thousand Dollars (words) | \$ Lump Sum | \$ 10,000.00 |
| 6 | 1 | ZN | Perform Isolated Aquifer Zone Testing of one (1) zone (BBLDWP Option) by air-lifting and submersible pumping methods for the price per zone (ZN) of | | |
| | | | Fifteen Thousand Dollars (words) | \$ 15,000.00 per Zone | \$ 15,000.00 |
| 7 | 580 | LF | Ream pilot borehole to 22-inch diameter from 50 ft to 630 ft bgs using reverse circulation methods for the price per foot of | | |
| | | | Seventy Five Dollars (words) | \$ 75.00 per LF | \$ 43,500.00 |
| 8 | 1 | LS | Conduct a caliper survey for the lump sum price of | | |
| | | | Two Thousand Dollars (words) | \$ Lump Sum | \$ 2,000.00 |
| 9 | 192 | LF | Furnish and install 12-inch I.D. by 1/4-inch wall 304L Stainless Steel blank well casing conforming to the physical properties of ASTM Specification A778 (including end cap at bottom of well) for the price per foot of | | |
| | | | Two Hundred Fifty Eight Dollars (words) | \$ 258.00 per LF | \$ 49,536.00 |

| <u>Bid Item</u> | <u>Qty</u> | <u>Unit</u> | <u>Description</u> <u>(Unit Price Written in Words)</u> | <u>Unit Price</u> <u>(Figures)</u> | <u>Total Amount</u> <u>(Figures)</u> |
|-----------------|------------|-------------|---|---------------------------------------|---|
| 10 | 430 | LF | Furnish and install 12-inch ID by 1/4-inch wall <i>Ful-flo</i> louvered, 304L Stainless Steel well screen (conforming to the physical properties of ASTM Specification A778), 0.094-inch slot (or as specified) for the price per foot of | | |
| | | | Three Hundred Fourteen Dollars (words) | \$ 314.00 per LF | \$ 135,020.00 |
| 11 | 71 | LF | 304L Stainless Steel (conforming to the physical properties of ASTM Specification A778) gravel feed tube for the price per foot of | | |
| | | | Thirty Six Dollars (words) | \$ 36.00 per LF | \$ 2,556.00 |
| 12 | 606 | LF | Furnish and install 2-inch I.D. Schedule 40 304L Stainless Steel (conforming to the physical properties of ASTM Specification A778) sounding tube for the price per foot of | | |
| | | | Eighteen Dollars (words) | \$ 18.00 per LF | \$ 10,908.00 |
| 13 | 570 | LF | Furnish and install TACNA (or BBLDWP approved equal), 1/4 x 16 gradation (or as specified by district) gravel pack material (including 5-feet thick fine sand layer at top of gravel pack) in casing borehole annulus from total depth to 60 ft bgs for the price per foot of | | |
| | | | Fifty Dollars (words) | \$ 50.00 per LF | \$ 28,500.00 |
| 14 | 60 | LF | Furnish and install a cement grout upper annular seal, as specified, from 60 ft bgs to the ground surface for the price per foot of | | |
| | | | | \$ | \$ |

| <u>Bid Item</u> | <u>Qty</u> | <u>Unit</u> | <u>Description</u> <u>(Unit Price Written in Words)</u> | <u>Unit Price</u> <u>(Figures)</u> | <u>Total Amount</u> <u>(Figures)</u> |
|-----------------|------------|-------------|---|---------------------------------------|---|
| | | | Ninety Dollars (words) | \$ 90.00 per LF | \$ 5,400.00 |
| 15 | 96 | HR | Perform two stages of well development by mechanical procedures including swabbing and airlifting for the price per hour (HR) of Four Hundred Seventy Five Dollars (words) | \$ 475.00 per HR | \$ 45,600.00 |
| 16 | 20 | GAL | Provide 10% chlorine solution (at The BBLDWP option) for chemical development of the well for the price per gallon (GAL) of Ten Dollars (words) | \$ 10.00 per GAL | \$ 200.00 |
| 17 | 20 | GAL | Provide polymer dispersant (at The BBLDWP's option) for chemical development of the well for the price per gallon of One Hundred Dollars (words) | \$ 100.00 per GAL | \$ 2,000.00 |
| 18 | 1 | LS | Mobilize, install, and demobilize pump, equipment, and appurtenances for pumping development and well testing (intake depth approximately 160 ft bgs) for the lump sum price of Thirty Thousand Dollars (words) | \$ Lump Sum | \$ 30,000.00 |
| 19 | 60 | HR | Perform well development by pumping and surging as specified for the price per hour of Three Hundred Dollars (words) | \$ 300.00 per HR | \$ 18,000.00 |

| <u>Bid Item</u> | <u>Qty</u> | <u>Unit</u> | <u>Description</u> <u>(Unit Price Written in Words)</u> | <u>Unit Price</u> <u>(Figures)</u> | <u>Total Amount</u> <u>(Figures)</u> |
|-----------------|------------|-------------|--|---------------------------------------|---|
| 20 | 12 | HR | Perform step-drawdown test by pumping for the price per hour of | | |
| | | | Three Hundred Dollars | \$ 300.00 | \$ 3,600.00 |
| | | | (words) | per HR | |
| 21 | 24 | HR | Perform constant-rate discharge test by pumping (including post-test recovery) for the price per hour of | | |
| | | | Three Hundred Dollars | \$ 300.00 | \$ 7,200.00 |
| | | | (words) | per HR | |
| 22 | 1 | LS | Perform a color video camera survey for the lump sum price of | | |
| | | | One Thousand Five Hundred Dollars | \$ Lump Sum | \$ 1,500.00 |
| | | | (words) | | |
| 23 | 1 | LS | Conduct well alignment/deviation tests by gyroscopic methods for the lump sum price of | | |
| | | | Five Thousand Dollars | \$ Lump Sum | \$ 5,000.00 |
| | | | (words) | | |
| 24 | 1 | LS | Complete final well disinfection for the lump sum price of | | |
| | | | Five Thousand Dollars | \$ Lump Sum | \$ 5,000.00 |
| | | | (words) | | |

TOTAL BASE BID (Items 1 through 24)

\$ 586,620.00

Optional Bid Items:

| <u>Bid Item</u> | <u>Qty</u> | <u>Unit</u> | <u>Description</u> <u>(Unit Price Written in Words)</u> | <u>Unit Price</u> <u>(Figures)</u> | <u>Total Amount</u> <u>(Figures)</u> |
|-----------------|------------|-------------|---|---------------------------------------|---|
| 25 | | HR | Standby time, as directed by The BBLDWP for the price per hour of | | |
| | | | Three Hundred Dollars (words) | \$ 300.00 per HR | \$ N/A Not In Total |
| 26 | 630 | LF | Destruction of pilot hole or well at the BBLDWP's option for price per foot of | | |
| | | | Forty Five Dollars (words) | \$ 45.00 Per LF | \$ N/A Not In Total |

**City of Big Bear Lake
 Department of Water and Power**

ENGINEERS COST ESTIMATE

Arrastre Creek Well

| <u>Bid Item</u> | <u>Qty</u> | <u>Unit</u> | <u>Description (Unit Price Written in Words)</u> | <u>Unit Price (Figures)</u> | <u>Total Amount (Figures)</u> |
|------------------------|-------------------|--------------------|---|--|--|
| 1 | | LS | Mobilize and demobilization, includes mobilizing all personnel, equipment and operating supplies to the well site including temporary water storage tanks, conveyance lines, water source, and other preparatory work for the lump sum price of | | |
| | | | _____ | | |
| | | | | \$ Lump Sum | \$ 75,000.00 |
| | | | _____ | | |
| | | | (words) | | |
| 2 | 400 | LF | Furnish and install temporary noise control barrier walls, minimum 20 feet wall height, to meet noise control requirements for the price per linear foot of | | |
| | | | _____ | | |
| | | | | \$ 55.00 | \$ 22,000.00 |
| | | | | per LF | |
| | | | _____ | | |
| | | | (words) | | |
| 3 | 50 | LF | Drill 42-inch minimum diameter surface casing/sanitary seal borehole, install 30-inch O.D. x 3/8-inch wall mild steel conductor casing, and install cement grout annular seal to a <u>minimum</u> depth of 50 ft for the price per foot of | | |
| | | | _____ | | |
| | | | | \$ 550.00 | \$ 27,500.00 |
| | | | | per LF | |
| | | | _____ | | |
| | | | (words) | | |



| <u>Bid Item</u> | <u>Qty</u> | <u>Unit</u> | <u>Description</u> <u>(Unit Price Written in Words)</u> | <u>Unit Price</u> <u>(Figures)</u> | <u>Total Amount</u> <u>(Figures)</u> |
|-----------------|------------|-------------|--|---------------------------------------|---|
| 4 | 580 | LF | Drill by reverse circulation methods a minimum 17.5-inch diameter pilot borehole from 50 ft to 630 ft bgs for the price per foot of _____ | \$ 75.00 | \$ 43,500.00 |
| | | | (words) | per LF | |
| 5 | 1 | LS | Perform Downhole Geophysical Surveys: Spontaneous Potential, Point, Long & Short Normal Resistivity, Focused (Guard) Resistivity, Gamma-Ray and Sonic Velocity Variable Density surveys of pilot hole for the lump sum price of _____ | \$ Lump Sum | \$ 4,500.00 |
| | | | (words) | | |
| 6 | 1 | ZN | Perform Isolated Aquifer Zone Testing of one (1) zone (BBLDWP Option) by air-lifting and submersible pumping methods for the price per zone (ZN) of _____ | \$ 12,000.00 | \$ 12,000.00 |
| | | | (words) | per Zone | |
| 7 | 580 | LF | Ream pilot borehole to 22-inch diameter from 50 ft to 630 ft bgs using reverse circulation methods for the price per foot of _____ | \$ 75.00 | \$ 43,500.00 |
| | | | (words) | per LF | |



| <u>Bid Item</u> | <u>Qty</u> | <u>Unit</u> | <u>Description</u> <u>(Unit Price Written in Words)</u> | <u>Unit Price</u> <u>(Figures)</u> | <u>Total Amount</u> <u>(Figures)</u> |
|-----------------|------------|-------------|--|---------------------------------------|---|
| 8 | 1 | LS | Conduct a caliper survey for the lump sum price of _____ | \$ Lump Sum | \$ 1,500.00 |
| | | | (words) | | |
| 9 | 192 | LF | Furnish and install 12-inch I.D. by 1/4-inch wall 304L Stainless Steel blank well casing conforming to the physical properties of ASTM Specification A778 (including end cap at bottom of well) for the price per foot of _____ | \$ 210.00 per LF | \$ 40,320.00 |
| | | | (words) | | |
| 10 | 430 | LF | Furnish and install 12-inch ID by 1/4-inch wall <i>Ful-flo</i> louvered, 304L Stainless Steel well screen (conforming to the physical properties of ASTM Specification A778), 0.094-inch slot (or as specified) for the price per foot of _____ | \$ 255.00 per LF | \$ 109,650.00 |
| | | | (words) | | |
| 11 | 71 | LF | Furnish and install 3-inch I.D. Schedule 40 304L Stainless Steel (conforming to the physical properties of ASTM Specification A778) gravel feed tube for the price per foot of _____ | \$ 60.00 per LF | \$ 4,260.00 |
| | | | (words) | | |



| <u>Bid Item</u> | <u>Qty</u> | <u>Unit</u> | <u>Description</u> <u>(Unit Price Written in Words)</u> | <u>Unit Price</u> <u>(Figures)</u> | <u>Total Amount</u> <u>(Figures)</u> |
|-----------------|------------|-------------|--|---------------------------------------|---|
| 12 | 606 | LF | Furnish and install 2-inch I.D. Schedule 40 304L Stainless Steel (conforming to the physical properties of ASTM Specification A778) sounding tube for the price per foot of _____ | \$ 30.00 per LF | \$ 18,180.00 |
| | | | (words) | | |
| 13 | 570 | LF | Furnish and install TACNA (or BBLDWP approved equal), 1/4 x 16 gradation (or as specified by district) gravel pack material (including 5-foot thick fine sand layer at top of gravel pack) in casing borehole annulus from total depth to 60 ft bgs for the price per foot of _____ | \$ 45.00 per LF | \$ 25,650.00 |
| | | | (words) | | |
| 14 | 60 | LF | Furnish and install a cement grout upper annular seal, as specified, from 60 ft bgs to the ground surface for the price per foot of _____ | \$ 50.00 per LF | \$ 3,000.00 |
| | | | (words) | | |
| 15 | 96 | HR | Perform two stages of well development by mechanical procedures including swabbing and airlifting for the price per hour (HR) of _____ | \$ 300.00 per HR | \$ 28,800.00 |
| | | | (words) | | |



| <u>Bid Item</u> | <u>Qty</u> | <u>Unit</u> | <u>Description</u> <u>(Unit Price Written in Words)</u> | <u>Unit Price</u> <u>(Figures)</u> | <u>Total Amount</u> <u>(Figures)</u> |
|-----------------|------------|-------------|--|---------------------------------------|---|
| 16 | 20 | GAL | Provide 10% chlorine solution (at The BBLDWP option) for chemical development of the well for the price per gallon (GAL) of _____ | \$ 5.00 per GAL | \$ 100.00 |
| | | | (words) | | |
| 17 | 20 | GAL | Provide polymer dispersant (at The BBLDWP's option) for chemical development of the well for the price per gallon of _____ | \$ 75.00 per GAL | \$ 1,500.00 |
| | | | (words) | | |
| 18 | 1 | LS | Mobilize, install, and demobilize pump, equipment, and appurtenances for pumping development and well testing (intake depth approximately 260 ft bgs) for the lump sum price of _____ | \$ Lump Sum | \$ 17,000.00 |
| | | | (words) | | |
| 19 | 60 | HR | Perform well development by pumping and surging as specified for the price per hour of _____ | \$ 275.00 per HR | \$ 16,500.00 |
| | | | (words) | | |
| 20 | 12 | HR | Perform step-drawdown test by pumping for the price per hour of _____ | \$ 275.00 per HR | \$ 3,300.00 |
| | | | (words) | | |



| <u>Bid Item</u> | <u>Qty</u> | <u>Unit</u> | <u>Description</u> <u>(Unit Price Written in Words)</u> | <u>Unit Price</u> <u>(Figures)</u> | <u>Total Amount</u> <u>(Figures)</u> |
|-----------------|------------|-------------|---|---------------------------------------|---|
| 21 | 24 | HR | Perform constant-rate discharge test by pumping (including post-test recovery) for the price per hour of _____ | \$ 275.00 per HR | \$ 6,600.00 |
| | | | (words) | | |
| 22 | 1 | LS | Perform a color video camera survey for the lump sum price of _____ | \$ Lump Sum | \$ 1,500.00 |
| | | | (words) | | |
| 23 | 1 | LS | Conduct well alignment/deviation tests by gyroscopic methods for the lump sum price of _____ | \$ Lump Sum | \$ 2,500.00 |
| | | | (words) | | |
| 24 | 1 | LS | Complete final well disinfection for the lump sum price of _____ | \$ Lump Sum | \$ 3,000.00 |
| | | | (words) | | |

| | |
|--|----------------------|
| TOTAL BASE BID (Items 1 through 24) | \$ 511,360.00 |
|--|----------------------|

