

ADDENDUM NO. 1
City of Fife
Re-Bid Well 7 – Test Well
March 14, 2018
RH2 Project No. FIF 514.009

TO ALL PLANHOLDERS

You are hereby notified of the following changes, deletions, additions and corrections to the Special Provisions, Plans, Standard Specifications and other documents comprising the contract documents for the City of Fife’s “Re-Bid Well 7 – Test Well” project.

OVERVIEW

Bid documents on the Builders Exchange Site and the City’s website have been updated as of today. The current and updated versions are clearly marked on the title page and all footers with a date of March 14, 2018. Updates were made to reflect changes in the Measurement and Payment approach. Specific changes made to previous versions are listed below. With this addendum, bidders acknowledge that the updated March 14, 2018 version of the bid documents are the current version, and replace all other previous versions.

TABLE OF CONTENTS

Replace *Table of Contents* (pages I through IV) with updated version (attached).

INVITATION TO BID

Replace *Proposal and Schedule of Prices* (pages 6 through 12) with updated version (attached).

SPECIFICATIONS

Replace *Measurement and Payment* (pages SP-35 through SP-38) with updated version (attached).

End Addendum No. 1

RH2 ENGINEERING, INC.



Harley Sandoval, P.E.
Issued: March 14, 2018

Attachments:

- Table of Contents
- Proposal
- Schedule of Prices
- Measurement and Payment

City of Fife

Re-Bid Well 7 – Test Well

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INCORPORATED, APRIL 1986

12. Legal Wages and PWTF Requirements

The work performed under this contract is subject to the wage requirements of the Washington State Public Works Trust Fund (PWTF). The Contractor shall conform to the wage requirements which requires that all laborers and mechanics employed by the contractors and subcontractors performing on contracts funded in whole or in part by PWTF appropriations in excess of \$2,000 pay their laborers and mechanics not less than the prevailing wage rates and fringe benefits, and determined by the Secretary of Labor, for corresponding classes of laborers and mechanics employed on similar projects in the area. Labor Stand Provisions in the General Conditions, and an up to date wage determination must be included in full into any contract and in any subcontract in excess of \$2,000. Wage determinations can be found at <http://www.wdol.gov>.

If state prevailing wage rates are modified more than ten (10) days before the bid opening date, the modified prevailing wage rates will be provided by Addendum and will supersede any previous prevailing wages included in this contract. See General Conditions for additional Prevailing Wage requirements.

13. Completion Time

The Contractor shall have each respective phase of the work complete, operational, and ready for acceptance within 80 consecutive working days from the respective date of the Notice to Proceed.

14. Bidders' Checklist

It is the responsibility of each bidder to ascertain if all the documents listed below are included in their copy of the bid specifications.

If documents are missing, it is the sole responsibility of the bidder to contact the City of Fife to obtain the missing documents prior to bid opening time.

The Bidder's attention is especially called to the following forms, which must be completed in full as required and submitted collectively as the Bid Proposal package:

- Proposal**
- Schedule of Prices**
- Non-Collusion Certificate**
- Certificate as to Corporate Principal**
- Bid Bond Form**
- Bid Bond**
- Certification of Compliance with Wage Payment Statutes**

PROPOSAL

THIS INFORMATION TO BE RETURNED WITH BID

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Proposal

City of Fife
Re-Bid Well 7 – Test Well
5411 23rd Street E
Fife, Washington 98424

Date: _____

Total Bid Amount Including Tax (from Bid Form) :\$ _____

The undersigned, as Bidder, declare that we have personally examined the Project site in the City of Fife, and all of the plans, specifications, and Contract Documents herein contained, and that we will contract with the City of Fife on the form of agreement provided herewith to do everything necessary to perform and complete construction called for in the Contract for the construction of the Project listed above, at the price and on the terms and conditions herein contained in the Contract Documents. Total bid amount for the Proposal has been written in numbers in the Total Bid Amount (blank space above).

We agree that the following shall form a part of this Proposal: Schedule of Prices, Proposed Subcontractors, Non-Collusion Certificate, and Certificate as to Corporate Principal. We acknowledge that addenda numbers _____ to _____ have been delivered to us and have been examined as part of the Contract Documents.

Attached is a Bid Bond duly completed by a guaranty company authorized to carry on business in the state of Washington in the amount of at least five percent (5%) of the total amount of our Proposal.

If our proposal is accepted, we agree to sign the Contract and to furnish the performance bond and the required evidence of insurance within ten (10) calendar days after receiving written notice of the award of the Contract. We acknowledge that the City of Fife may forfeit our bid deposit as liquidated damages in the event of our non-compliance with the requirements of this paragraph.

The Bidder agrees to prosecute the work in accordance with this Document and the Contract Documents. Bidder further agrees to complete the Project within the allotted time (80 consecutive working days) as specified in the Contract.

The Bidder understands that the Owner reserves the right to reject any and all proposals, as well as increase or decrease the scope of work, in accordance with **Section 1-04.4 of the 2016 WSDOT Standard Specifications for Road, Bridge, and Municipal Construction.**

Bidder

Telephone

By Authorized Official

Date

Contractor's Registration No.

Business Address

All blank lines must be filled in to constitute a completed Bid Form.

THIS INFORMATION TO BE TURNED IN WITH THE BID

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SCHEDULE OF PRICES

City of Fife Re-Bid Well 7 - Test Well

Full Descriptions of all bid items are located in the Measurement and Payment Section of the Special Provisions (Division 10).

Item No.	Description of Item	Qty.	Units	Unit Price (Figures)	Extended Amount
1	Mobilization and Demobilization	1	Lump Sum	\$	\$
2	Site Work	1	Lump Sum	\$	\$
3	Construction Records and As-Builts	1	Lump Sum	\$1,000	\$1,000
4	Temporary Erosion and Sediment Control	1	Lump Sum	\$	\$
5	Furnish and Install Sanitary Seal and Cement Grout Seal	50	Linear Foot	\$	\$
6	20-inch Diameter Well Drilling	350	Linear Foot	\$	\$
7	Furnish and Install 20-inch Diameter Well Casing	400	Linear Foot	\$	\$
8	16-inch Diameter Well Drilling	300	Linear Foot	\$	\$
9	Furnish and Install 16-inch Diameter Well Casing	700	Linear Foot	\$	\$
10	12-inch Diameter Well Drilling	300	Linear Foot	\$	\$
11	Furnish and Install 12-inch Diameter Well Casing	1,000	Linear Foot	\$	\$
12	Backfill Boring	100	Linear Foot	\$	\$
13	Furnish and Assemble Tail Pipe and Riser Pipe	1	Lump Sum	\$	\$
14	Furnish Well Screen and Filter Pack	60	Linear Foot	\$	\$
15	Well Screen Assembly and Filter Pack Installation	70	Linear Foot	\$	\$
16	Well Development and Other Authorized Work	30	Per Hour	\$	\$

City of Fife
 Invitation to Bid

Re-Bid Well 7 – Test Well
 Winter 2018

Item No.	Description of Item	Qty.	Units	Unit Price (Figures)	Extended Amount
17	Wellhead Fabrication and Installation	1	Lump Sum	\$	\$
18	Furnish, Install, and Remove Test Pump	1	Lump Sum	\$	\$
19	Furnish and Install Discharge Pipe	1	Lump Sum	\$	\$
20	Pump Test Operation	32	Per Hour	\$	\$
21	Minor Change	1	Lump Sum	\$5,000.00	\$5,000.00

Subtotal Bid \$ _____

Sales Tax (9.9%) \$ _____

Total Bid \$ _____

THIS INFORMATION TO BE TURNED IN WITH THE BID

SPECIAL PROVISIONS

DIVISION 10

MEASUREMENT AND PAYMENT

It is the intention of these specifications that the performance of all work under the bid for each item shall result in the complete construction in an accepted operating condition, of each item. All sections related to payment in the Standard Specifications are deleted and replaced with Division 10 of these Special Provisions.

Work and material not specifically listed in the proposal but required per the contract plans, specifications, and general practice shall be included in the Contractor's bid price. No separate payment of any kind will be made for these incidental items.

Bid Item No. 1 – Mobilization and Demobilization

The lump sum price shown shall cover the complete cost of furnishing all work and materials necessary to move and organize equipment and personnel required to complete the project. The price will also include providing and maintaining all necessary support facilities, and obtaining all necessary permits and licenses, including the well start card and preparation of a flowing artesian well control plan. The lump sum price shall cover the cost of all materials, labor and equipment to restore the construction area to its original condition, including hydroseeding.

The price shall include materials and labor to move all personnel and equipment from the site after project completion. The Contractor shall clean up the site with readily available light equipment and hand tools prior to final acceptance. Payment shall be lump sum. No more than 50 percent of this bid item will be paid to the Contractor prior to final demobilization from the project site.

Bid Item No. 2 – Site Work

The lump sum price shown shall cover the complete cost of maintaining the site and access area during all drilling activities, providing reasonable theft protection for Contractor materials and equipment, cleaning up the site prior to final acceptance, and containment, transport, and disposal of cuttings and slurry shall be paid for under this item. The lump sum price shown shall also cover the cost of all materials, labor, and equipment to grade the work pad and to excavate or construct a shallow pit for containment of well development sediment after drilling mud and slurry has been removed from the well. All drilling cuttings or slurry will be collected and contained in above-ground containers.

Bid Item No. 3 – Construction Records and As-Builts

Lump sum price shown shall cover the complete cost of providing copies of daily field logs annotated with field observations, and well construction records necessary for the Engineer to create accurate as-built records. The Contractor shall provide legible daily logs of the driller's activities on the site (drilling footage, well screen intervals developed, quantity of sediment removed, materials and lengths installed, etc.), and a completed water well report that the Contractor will submit to Ecology. No more than 75 percent of this item will be paid for this item prior to the final payment. Payment shall be lump sum.

Bid Item No. 4 – Temporary Erosion and Sediment Control

The lump sum price shall cover the cost of furnishing, installing, maintaining, and removing an erosion control system, including silt fence, straw bales and mulch, and street sweepers (if required). This shall include the cost of all materials, labor, and equipment to construct straw bale berms and provide above-ground tanks 20,000-gallon capacity on-site to collect and temporarily store turbid water discharged during well development and to apply hand-placed grass seed covered with 2 inches of straw mulch to areas disturbed by construction activities. This shall also include erosion control during pump testing to eliminate turbid water discharge from the site, caused by drilling and testing activities, onto adjacent properties or nearby streams.

Bid Item No. 5 – Furnish and Install Sanitary Seal and Cement Grout Seal

The linear foot price shown shall cover the complete cost of labor, equipment and materials necessary to drill a 30-inch boring to 50 feet and to install the sanitary seal and artesian seal by cementing a 24-inch diameter steel casing into the 30-inch borehole to a depth of approximately 50 feet.

Bid Item No. 6 – 20-inch Diameter Well Drilling

The linear foot price shown shall cover the complete cost of labor and equipment necessary for drilling a 20-inch diameter boring, collection of samples, and control of artesian flow. Payment for sample collection over this depth interval shall be paid in this item. Measurement shall begin at approximately 50 feet below ground surface to a depth of approximately 400 feet.

Bid Item No. 7 – Furnish and Install 20-inch Diameter Well Casing

The linear foot price shown shall cover the complete cost of all materials, labor, and equipment necessary for the installation of all required 20-inch casing strings complete and in place. This bid item includes cleaning, trimming, welding, centralizing, and stringing, but does not include drilling. Payment shall be per linear foot of casing installed below the ground surface.

Bid Item No. 8 – 16-inch Diameter Well Drilling

The linear foot price shown shall cover the complete cost of labor and equipment necessary for drilling a 16-inch diameter boring, collection of samples, and control of artesian flow. Payment for sample collection over this depth interval shall be paid in this item. Measurement shall begin at the bottom of the 20-inch casing to a depth of approximately 700 feet.

Bid Item No. 9 – Furnish and Install 16-inch Diameter Well Casing

The linear foot price shown shall cover the complete cost of all materials, labor, and equipment necessary for the installation of all required 16-inch casing strings complete and in place. This bid item includes cleaning, trimming, welding, centralizing, and stringing, but does not include drilling. Payment shall be per linear foot of casing installed below the ground surface.

Bid Item No. 10 – 12-inch Diameter Well Drilling

The linear foot price shown shall cover the complete cost of labor and equipment necessary for drilling a 12-inch diameter boring, collection of samples, and control of artesian flow. Payment for sample collection over this depth interval shall be paid in this item. Measurement shall begin at the bottom of the 16-inch boring, from approximately 700 feet surface to a depth of approximately 1,000 feet.

Bid Item No. 11 – Furnish and Install 12-inch Diameter Well Casing

The linear foot price shown shall cover the complete cost of all materials, labor, and equipment necessary for the installation of all required 12-inch casing strings complete and in place. This bid item includes cleaning, trimming, welding, centralizing, and stringing, but does not include drilling. Payment shall be per linear foot of casing installed below the ground surface.

Bid Item No. 12 – Backfill Boring

The linear foot price shall cover the complete cost of labor, equipment, and materials to backfill the boring to the desired depth of well screen placement. Any supplemental backfill materials placed (pea gravel, silica sand, bentonite) shall meet the sealing requirements of WAC 173-160-190. Payment shall be per linear foot of backfill.

Bid Item No. 13 – Furnish and Assemble Tail Pipe and Riser Pipe

The lump sum price shall cover the complete cost of all materials, labor, and equipment necessary for the construction of a 5-foot-long steel tail pipe with a bail bottom, and approximately 10 feet of steel riser pipe and assembling the tail and riser pipes to the well screen. K-packer and any weld rings shall be included in the lump sum price. This bid item includes cleaning, trimming, welding, centralizing, and stringing, but does not include drilling. For bidding purposes, assume the well screen will be 8-inch diameter pipe-size screen.

Bid Item No. 14 – Furnish Well Screen and Filter Pack

The linear foot price shall cover fabrication, shipping, and assembly of the stainless-steel well screen as designed by the Engineer. The linear foot price shall include graded filter pack materials for placement around the well screen. Payment shall be per linear foot of well screen, and pressure relief screen, if included in the design. For bidding purposes, assume an 8-inch diameter pipe-size well screen and Hi-Flow well screen or equivalent screen with enhanced open area.

Bid Item No. 15 – Well Screen Assembly and Filter Pack Installation

The linear foot price shown shall cover the complete cost of all labor, material, and equipment necessary to install the well screen, K-packers, riser pipe, tail pipe, any casing centralizers if needed, and bail bottom with bottom hook or other method to lower the well screen assembly, filter pack materials, and to retract the casing to expose the well screen. Payment shall be per linear foot of well casing retraction. For final payment, the Contractor shall provide the Engineer with daily logs of the driller's activities on-site, hours spent, crew and equipment used.

Bid Item No. 16 – Well Development and Other Authorized Work

The per hour unit price shall cover the complete cost of all labor, material, and equipment necessary to develop the well. Payment shall be per hour of well screen development. For each foot of well screen, the Contractor shall mechanically surge the screen using a surge block for 1 hour at a rate of 24 to 36 strokes per minute, and the stroke shall extend 1 foot above and 1 foot below the 1-foot well interval. The Contractor shall periodically probe the well tail pipe and remove sediment so that the lower portion of the well screen is not blocked with sediment. Portions of the screen may be developed further at the direction of the Engineer based on the performance of well development. Payment for additional development shall be per hour. For final payment, the Contractor shall provide the Engineer with daily logs of the driller's activities on-site, well screen intervals surged, quantity of sediment removed, hours spent, crew and equipment used. Other work authorized by the Engineer and not covered in another bid item shall be covered under this item.

Bid Item No. 17 – Wellhead Fabrication and Installation

The lump sum payment is for the fabrication of a standard-size flanged wellhead on the 8-inch casing, plate, gasket, nuts and bolts, side port with gate valve, and 1-inch access port with ball valve. Payment shall be lump sum.

Bid Item No. 18 – Furnish, Install, and Remove Test Pump

The lump sum shown shall cover the complete cost of furnishing, installing, and removing the test pump, portable power supply, drop tube, water level probe, water quality sampling port, flow control valve, and flow meters as required for individually pump testing the completed test well. Also included is the cost for short-term operation of the pump and monitoring equipment to confirm its performance prior to step and subsequent continuous rate testing. Payment shall be lump sum.

Bid Item No. 19 – Furnish and Install Discharge Pipe

The lump sum price shown shall cover the complete cost of furnishing, installing, and removing the pump discharge hose and/or pipeline as well as the artesian flow hose/pipeline leading from the side port as required by the pump testing of the completed test well. Also included is the dissipation structure at the end of the discharge pipe. Payment shall be lump sum.

Bid Item No. 20 – Pump Test Operation

The per hour price shall cover the complete cost of all materials, labor, and equipment necessary to continuously operate the test pump at the desired rates and record flow and water level data during 3 hours of step-rate testing and 24 hours of continuous-rate testing. Payment shall be per hour upon completion of a successful pump test.

Bid Item No. 21 – Minor Change

Payments or credits for changes amounting to \$5,000 or less may be made under the Bid item “Minor Change”. At the discretion of the City, this procedure for Minor Changes may be used in lieu of the more formal procedure as outlined in Section 1-04.4(1), Changes, in the Washington State Department of Standards and Specifications Manual. The Contractor will be provided a copy of the completed order for Minor Change. The agreement for the Minor Change will be documented by signature of the Contractor, or notation of verbal agreement. If the Contractor is in disagreement with anything required by the order for Minor Change, the Contractor may protest the order as provided in Section 1-04.5, Procedure and Protest by the Contractor, in the Washington State Department of Standards and Specifications Manual.

Payments or credits will be determined in accordance with Section 1-09.4, Equitable Adjustment, in the Washington State Department of Standards and Specifications Manual. For the purpose of providing a common Proposal for all Bidders, the Contracting Agency has entered an amount for “Minor Change” in the Proposal to become a part of the Bid by the Contractor.