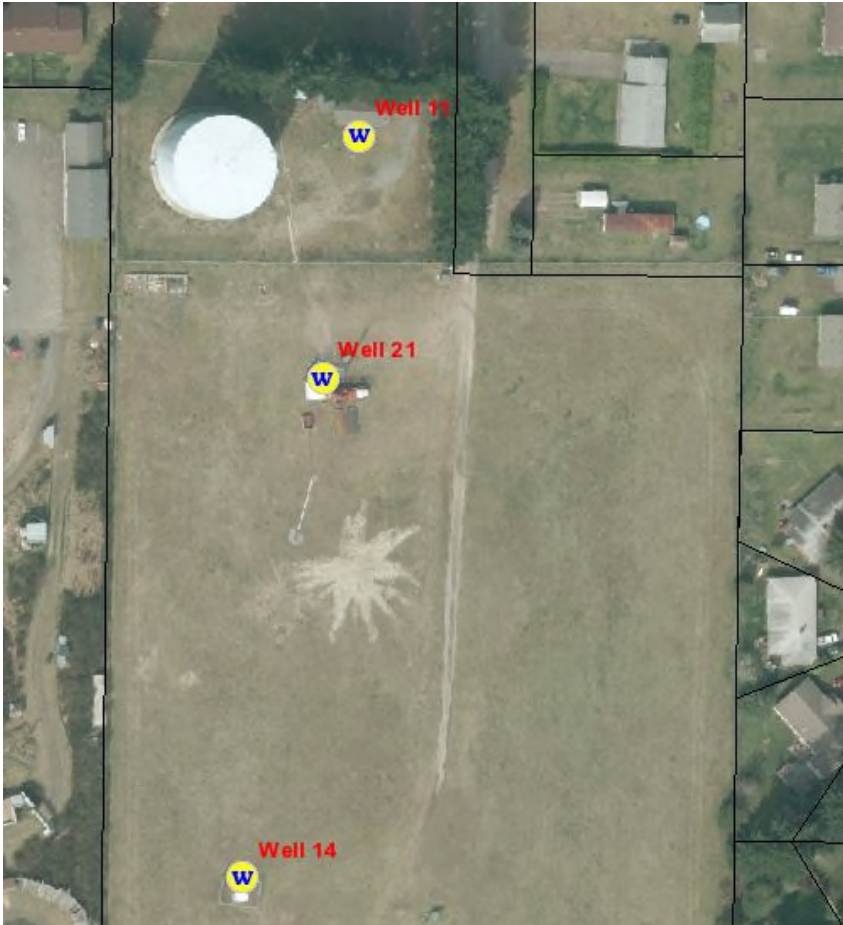


2021



# Well 21 Pump and Motor Replacement and Rehabilitation

# WELL 21 PUMP REPLACEMENT AND REHABILITATION

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## SECTION I

### NOTICE TO BIDDERS

Notice is hereby given that bids will be received by West Sound Utility District, 2924 SE Lund Avenue, Port Orchard, Washington, 98366, until the hour of 4:00 PM, Thursday, March 25, 2021.

West Sound Utility District is looking for a qualified contractor to provide pump, motor replacement and rehabilitation services for its Well 21. Well 21 is located in the District's Salmonberry Well field approximately 1,000-feet south of the intersection of SE Salmonberry Rd. and Water Lane.

The pump has failed in West Sound Utility District's Well 21. The well is completed with a screen between 1,307 and 1,513 feet below ground (construction details attached). The original specific capacity of Well 21 in April 2001 was 12.3 gallons per minute per foot of drawdown (gpm/ft of dd) at a rate of 1,118 gpm. Currently, the specific capacity has decreased to about 7 gpd/ft of dd at a rate of about 530 gpm. The 16-inch well was drilled to a total depth of 1,540 feet. It is completed with a 10-inch well screen assembly placed between the depths of 1,200 and 1,533 feet. The annular space between the 16-inch borehole and the 10-inch screen assembly is packed with Colorado Silica Sand (CSS) 10-20 placed from 1,195 to 1,533 ft.

All prices quoted for each segment shall be for complete job.

Project commencement date: On or before April 1, 2021.

Project completion date: On or before May 28, 2021.

Project estimated cost to be less than \$170,000.00

Contact Mr. John Tapia, Operations Manager, concerning questions.  
Telephone: (360) 876-2545.

West Sound Utility District reserves the right to reject any and all bids or the bidding.

Bids can be mailed to:

West Sound Utility District  
Well 21 Rehabilitation  
ATTN: Operations Manager  
2924 SE Lund Ave  
Port Orchard, WA 98366

or

Emailed to: [Projects@wsud.us](mailto:Projects@wsud.us)

Due to Covid-19 implemented District protocols, hand delivered submittals will only be accepted through our Utility Payment Drop Box located in our main offices parking lot located at the same address.

Submittals received after the time and date stated will not be considered.

## **INSTRUCTIONS TO BIDDERS**

**FORM OF BID:** Proposals shall be made upon the form provided therefore.

**SUBMISSION OF BID:** Bid on Proposal Form, Bid Bond and Schedule of Bid Prices shall be enclosed in an opaque sealed envelope, addressed to the named in the NOTICE TO BIDDERS, and delivered as required by the NOTICE TO BIDDERS.

**EVIDENCE OF QUALIFICATIONS:** Upon request of the District, a bidder whose bid is under consideration for the award of the contract shall submit promptly to the District satisfactory evidence of the bidder's financial resources, his/her experience, and the organization and equipment he has available for the performance of the contract.

**REJECTION OF BIDS:** The District reserves the right to reject any and/or all proposals and also the right to waive any formalities in connection with said proposals or bids.

**PERFORMANCE BOND:** The successful bidder will be required to furnish, prior to final award of contract and within ten (10) days after acceptance of his proposal, a surety bond or bonds, acceptable to the Purchaser, as security for the faithful performance of the contract, including the payment of all persons performing labor on the project and the furnishing of all materials required to be furnished by him/her in connection with the contract. The bond or bonds shall be for the full amount or the contract price and shall remain in effect until two (2) years after the acceptance of the work by West Sound Utility District.

**PAYMENTS TO CONTRACTOR:** All payments to the contractor for services performed on this project will be within 30 calendar days of District approval of the contractor invoices.

**EXECUTION OF CONTRACT:** Within ten (10) days after receiving contract documents from Purchaser, the successful bidder will be required to execute said contract and furnish a performance bond.

### **CONTRACT DOCUMENTS**

All documents have been included for informational purposes. West Sound Utility District will forward the required documents not required for proposal submission to the awarded contractor.

**PUBLIC WORKS CONTRACT**

Parties: WEST SOUND UTILITY DISTRICT &

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**THIS IS AN AGREEMENT** entered into between West Sound Utility District, a Washington State Municipal Corporation, hereinafter called "District," and \_\_\_\_\_, hereinafter called "Contractor."

Pursuant to its resolutions and procedures, the District has determined the Contractor to be the lowest responsible bidder to perform the services hereinafter described. The purpose of this document is to set forth the specific terms of the parties' agreement in writing.

**NOW, THEREFORE**, in consideration of the foregoing recitals and the promises and covenants of the parties hereinafter set forth, they agree as follows:

1. Services to be performed by Contractor. The services to be performed are identified in the attached plans and specifications, referred to as Attachment "A" which by this reference is incorporated herein. In performing its work, the Contractor shall supply all necessary labor and materials to fully and completely finish the work called for herein.

2. Payment for Services. The total payment from the District to the Contractor for the work to be performed by the Contractor as described herein shall be **the total sum of \$ \_\_\_\_\_ plus applicable Washington State sales tax.** Payment of this said amount shall be due and owing within forty-five days of the completion of the work by the Contractor and acceptance by the District. Acceptance shall not be unreasonably withheld.

3. Commencement/Completion of Work. **The contractor shall commence its work for the District on or before April 1, 2021. All work called for herein shall be fully completed by the Contractor on or before May 28, 2021.**

4. Contractor Representations. The Contractor hereby represents and warrants to the District as follows:

A. Bonding Company and License No. The Contractor is fully licensed, bonded, and in good standing with the State of Washington.

- 1) It's Contractor License Number. with Washington State is \_\_\_\_\_
- 2) It is currently bonded with the following bonding company to do business in the State of Washington
  - a) Bond No. \_\_\_\_\_.
  - b) This bond was issued on the \_\_\_\_, day of \_\_\_\_\_, 20\_\_.

3) In addition to the above, the Contractor is required to provide a Performance Bond and Payment in accordance with the Prevailing Wage regulations prior to the commencement of work.

B. Evidence of Insurance. Prior to performing its construction work, the Contractor shall provide the District with written evidence of insurance covering public liability and property damage concerning the work to be performed. If the total amount of services to be performed by the Contractor exceeds five thousand and 00/100 dollars (\$5,000.00) the coverage limits for liability shall be not less than as set forth on Attachment "B" entitled "Minimum Requirements for Certificates of Insurance" which by this reference is incorporated herein and made a part hereof.

In the event Attachment "B" is applicable hereto, the Contractor shall be obligated to comply with all terms and specifications set forth therein.

C. Hold Harmless Provision. The Contractor shall indemnify, defend, and hold harmless the District, its engineer, agents, and employees from any and all claims, demands, actions, and/or liabilities of every kind and nature as may be made and/or entered against the Districts, its engineer, their agents, and employees by reason of, or arising out of, the acts or omissions of the Contractor, its agents, or employees, including costs and attorney's fees incurred by the Districts and its agents and representatives in investigating and defending against any such claims in the event of failure of the Contractor to so defend as herein required.

D. Prevailing Wages. Concerning the work called for herein, the Contractor agrees to pay hourly wages to its laborers and workers in accordance with Washington law and specifically in accordance with RCW 39.12.020 dealing with the prevailing rates to be paid on public-works projects. The Contractor represents it is fully knowledgeable concerning the terms of RCW 39.12.020. The first invoice cannot be paid until the District has received the approved Intent to Pay Prevailing Wages. Retainage shall be 5% of each invoice. Retainage cannot be released until the Affidavit of Wages Paid is approved by the State and the Department of Revenue has approved the release of funds.

E. Performance of Work. The Contractor shall perform all work in a good, workmanlike and timely fashion. All materials used by the Contractor in its work shall be of a good or superior quality. In performing its work, the Contractor shall also act in accordance with all applicable local, state, and federal laws and regulations.

F. Warranty. The Contractor represents and warrants that all services and materials used by it in its services for the District shall be completely free of defects for a period of time lasting two (2) years from the date of completion. In the event any defects are discovered within the warranty time concerning the Contractor's services or materials used by it, the Contractor shall promptly cure any said defects.

G. Non-assignment of Obligations. The contractor is hereby prohibited from assigning or in any manner transferring its obligations under this contract to any third party or entity. The Contractor shall be personally responsible for performance of all work and obligations placed upon it hereunder. The person in charge of the Contractor's work hereunder shall be \_\_\_\_\_, and he/she shall make him or herself available to the District representative at all reasonable time for consultation.

H. District Inspection. Prior to commencing its work, the Contractor shall meet with the District representative(s) and these parties shall set forth an inspection schedule to be followed by the District in inspecting the Contractor's work while it is in progress. The contractor shall promptly report to the District, in writing, all errors and omissions it commits in performing the work.

5. Risk of Loss. Until the Contractor's work for the District has been fully completed and accepted by the District, all risk of loss concerning the project shall be borne by the Contractor.

6. Cooperation of Parties. The parties shall strive at all times to cooperate with one another in good faith so the terms and spirit of this agreement may be carried out in a good and timely manner.

7. Legal Action. In the event either party employs an attorney to enforce or defend any claim or cause of action arising out of or relating to this agreement, or any appeal therefrom, then and in any such event, the prevailing party shall be entitled to recover from the losing party, and the losing party shall pay, all of the prevailing parties reasonable costs and attorney fees therein incurred. The venue and jurisdiction for any such action shall lie with the appropriate court in Kitsap County, Washington.

8. Complete Agreement. This agreement constitutes the full and complete agreement between the parties concerning the matters set forth herein. There are no other agreements, either written or verbal, in existence.

DATED this \_\_\_\_\_ day of \_\_\_\_\_, 20\_\_\_\_\_.

WEST SOUND UTILITY DISTRICT:

\_\_\_\_\_  
Glen R. Screws, General Manager

CONTRACTOR:

\_\_\_\_\_

**PERFORMANCE AND PAYMENT BOND**

KNOW ALL MEN BY THESE PRESENTS: THAT whereas West Sound Utility District, Port Orchard, Washington a municipal corporation has awarded to:

\_\_\_\_\_  
(Contractor)

hereinafter designated as the “Principal”, a contract for work items, which contract consists of the Proposal/Agreement, together with the Contract Documents, Specifications, Addenda and Plans, all as hereto attached and made a part hereof, and more particularly described as:

\_\_\_\_\_  
and whereas said principal is required under the terms of said contract to furnish a bond for the faithful performance of said contract:

NOW, THEREFORE, we the Principal and \_\_\_\_\_, a corporation, organized and existing under and by virtue of the laws of the State of Washington, and duly authorized to do business in the State of Washington as surety, are firmly bound unto West Sound Utility District in the sum of \_\_\_\_\_ lawful money of the United States, for the payment of which sum well and truly to be made, we bind ourselves, our heirs, executors, administrators, successors and assigns, jointly and severally, firmly by these presents.

THE CONDITION OF THIS OBLIGATION IS SUCH, that if the above bonded principal, his or its heirs, executors, administrators, successors or assigns, shall in all things stand to and abide by, and well and truly keep and perform the covenants, conditions and agreements in said contract, and shall faithfully perform all the provisions of such contract, and shall also well and truly perform and fulfill all the undertakings, covenants, terms, conditions and agreements of any and all duly authorized modifications of said contract that may hereafter be made, at the time and in the manner therein specified; and shall pay all laborers, mechanics, subcontractors and materialmen, and all persons who shall supply such person or persons, or subcontractors, with provisions and supplies for the carrying on of such work on his or their parts; and shall indemnify and save harmless the Owner's Engineer, its officers and agents, from any loss or damage occasioned to any person or property by reason of any careless or negligence on the part of said principal, or any subcontractor, in the performance of said contract or any modifications thereof; and shall further indemnify and save harmless West Sound Utility District, its officers and agents, from any damage or expense by reason of failure of performance as required by said contract, or any modifications thereof, or from defects appearing or developing in the material or workmanship provided or performed under said contract within a period of two years after acceptance thereof by West Sound Utility District, then this obligation shall become null and void, otherwise it shall be and remain in full force and effect.

And the said surety, for value received, hereby further stipulates and agrees that no change, extension of time, alteration or addition to the terms of the contract or to the work to be performed thereunder or the specifications accompanying the same shall in any way affect its obligation on this bond, and it does hereby waive notice of any change, extension of time, alternations or additions to the terms of the contract or the work or to the specifications.



IN WITNESS THEREOF, the said Principal and the said surety caused this bond and three (3) counterparts thereof to be signed and sealed by their duly authorized officers, this \_\_\_\_\_ day of \_\_\_\_\_, 20\_\_.

\_\_\_\_\_  
Principal

By \_\_\_\_\_

Title \_\_\_\_\_

ATTEST (If Corporation)

WITNESSES (If Individual or Partnership)

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_  
CORPORATE SEAL

\_\_\_\_\_

By \_\_\_\_\_

Title \_\_\_\_\_

Address of local office and agent of Surety Company is:

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

## INSURANCE REQUIREMENTS:

### Public Liability and Property Damage Insurance

#### General Requirements

1.1 The Contractor shall obtain and keep in force during the term of the contract, Commercial General Liability and Automobile liability insurance policies with insurance companies which have an A.M. Best's rating of A-: VII or better and who are approved by the Insurance Commissioner of the State of Washington pursuant to Title 48 RCW. All insurance coverage required by these specifications shall be written and provided by "occurrence-based" policy forms rather than "claims made" forms.

1.2 Prior to the execution of the contract, the Contractor shall purchase and maintain during the term of this project a Commercial General Liability insurance and Automobile insurance policies meeting the requirements set forth herein. The Contractor shall file with the District **either** a certified copy of all policies **with endorsements attached**, or a certificate of insurance **with endorsements attached** as are necessary to comply with these specifications. Failure of the Contractor to fully comply with the requirements regarding insurance will be considered a material breach of contract and shall be cause for immediate termination of the contract and of any and all District obligations, regarding same.

1.3 The Contractor shall not begin work under the contract or under any special condition until all required insurances have been obtained and until such insurances have been approved by the District. The insurance shall provide coverage for the Contractor, the Contractor's agents and employees, subcontractors, and the District. The coverage so provided shall protect against claims from bodily injuries, including accidental death, as well as claims for property damage which may arise from any act or omission of the Contractor, the Contractor's agents and employees, subcontractors, or by anyone directly or indirectly employed by either of them.

1.4 The insurance policies shall specifically name the District, its elected and appointed officials, officers, employees, agents and volunteers as additional insureds with regards to damages and defense of claims arising from: (a) activities performed by or on behalf of the Contractor; (b) products and completed operations of the Contractor, and (c) premises owned, leased or used by the Contractor. The insurance shall be maintained in full force and effect at the Contractor's expense throughout the term of the contract. Products and completed operations coverage shall be maintained for a minimum of three years after completion of the project.

1.5 The District shall be given at least 45 days written notice of any cancellation, nonrenewal, material reduction, or modification of coverage. Such notice shall be by *certified mail* to the District.

1.6 The coverages provided by the Contractor's insurance policies shall be primary to any insurance maintained by the District, except as respects losses attributable to the sole negligence of the District or otherwise limited in accord with the provisions of RCW 4.24.115. Any insurance that might cover this contract that is maintained by the District shall be in excess of the Contractor's insurance and shall not contribute with the Contractor's insurance.

1.7 The Contractor's insurance policies shall protect each insured in the same manner as though a separate policy had been issued to each. The inclusion of more than one insured shall not affect the rights of any insured as respects any claim, suit or judgment made or brought by or for any other insured or by or for any employee of any other insured. However this provision shall not increase the limits of the insurer's liability.

1.8 The General Aggregate provision of the Contractor's insurance policies shall be amended by endorsement to show that the General Aggregate Limit of the policies applies separately to this project.

1.9 The Contractor's insurance policies shall not contain deductibles or self-insured retentions in excess of \$10,000 unless approved by the District.

1.10 The Contractor's insurance policies shall contain a provision that the District has no obligation to report events which might give rise to a claim until a claim has been filed with the District's Board of Commissioners.

1.11 Types and Limits of Insurance Required:

### **Commercial General Liability**

- \$2,000,000 each occurrence Bodily Injury and Property Damage liability
- \$2,000,000 annual aggregate
- Employees and volunteers as Additional Insureds
- Premises and operations
- Broad form property damage including underground, explosion and collapse hazards (XCU)
- Products completed operations (shall be maintained for at least three years after completion.)
- Blanket contractual
- Subcontractors
- Personal injury with employee exclusion deleted
- Employers liability (Stop gap)

### **Automobile Liability**

- \$2,000,000 per accident bodily injury and property damage liability, including
- Any owned automobile
- Hired automobiles
- Non-owned automobile

**Umbrella Liability** (applicable to both the Commercial General and Auto Liability coverage and employers liability, provided this requirement may be satisfied through the Contractor's primary commercial general and auto liability coverage, or any combination thereof.

- \$2,000,000 per occurrence
- \$2,000,000 aggregate

1.12 Providing coverages in the stated amounts shall not be construed to relieve the

Contractor from liability in excess of such limits.

1.13 The Contractor shall have its insurance agent/representative complete the Insurance Coverage Questionnaire contained in the proposal and attach it to the certificate of insurance for District's approval.

1.14 The Contractor shall maintain Workers Compensation insurance and/or Longshore and Harbor Workers insurance (or Jones Act coverage for all employees eligible for same) as required by state or federal statute for all of the Contractor's employees to be engaged in work on the project under this contract and, in case any such work is sublet, the Contractor shall require the subcontractor similarly to provide workers compensation insurance and/or longshore and harbor workers insurance (or Jones Act coverage) for all of the subcontractor's employees to be engaged in such work. The Contractor's Department of Labor & Industries account number shall be noted on the certificate of insurance. In the event any class of employees engaged in the work under this contract is not covered under Workers Compensation insurance or Longshore and Harbor Workers insurance (or Jones Act coverage) as required by state and federal statute, the Contractor shall maintain and cause each subcontractor to maintain, Employers Liability insurance for limits of at least \$1,000,000 for each employee for disease or accident, and shall furnish the District with satisfactory evidence of such.

1.15 The Contractor shall be solely and completely responsible for safety and safety conditions on the job site, including the safety of all persons and property during performance of the work. The services of District employees or the engineer's personnel in conducting construction review of the Contractor's performance is not intended to include review of the adequacy of the Contractor's work methods, equipment, bracing, scaffolding, or trenching, or safety measures in, on, or near the construction site. The Contractor shall provide safe access for the District and its inspectors to adequately inspect the quality of work and the conformance with project specifications.

1.16 The Contractor shall be solely and completely responsible to perform all work and furnish all materials in strict compliance with all applicable state, city, county and federal laws, regulations, ordinances, orders and codes. The Contractor's attention is directed to the requirements of the Washington Industrial Safety and Health Act (WISHA), Chapter 49.17 RCW.

1.17 The District will make no progress payments until the Contractor has fully complied with this section. This remedy is not exclusive and the District may take such other action as is available under other provisions of this contract, or otherwise in law.

1.18 The contractual coverage of the Contractor's policy shall be sufficiently broad enough to insure the provisions of the **HOLD HARMLESS AND INDEMNIFICATION AGREEMENT** of this contract.

1.19 Nothing contained in these insurance requirements shall be construed as limiting the extent of the Contractor's responsibility for payment of damages resulting from the Contractor's operations under this contract.

## **SUBCONTRACTORS**

The Contractor shall ensure that each subcontractor of every tier obtains and maintains at

a minimum the insurance coverages listed above. Upon request of the District, the Contractor shall provide evidence of such insurance.

## **EVIDENCE OF INSURANCE**

The Contractor shall provide to the District a certificate(s) of insurance and endorsements for each policy of insurance meeting the requirements set forth herein when the Contractor delivers the signed contract to the District for the work. The certificate and endorsements shall conform to the following requirements:

1. An Acord certificate or a form determined by the District to be equivalent. The certificate or an endorsement form shall indicate the Contractor's insurance is primary and non-contributory.
2. The Contractor shall obtain endorsement forms CG 20 10 10 01 and CG 20 37 10 01, or the equivalent of each, naming the District and all other parties listed herein as Additional Insured(s) and providing the policy number. If the Contractor is unsuccessful in securing these endorsements after exerting commercially reasonable efforts, the Contractor shall obtain other endorsements providing equivalent coverage to the Additional Insured, subject to the review and approval of such other endorsement forms by the District. A statement of additional insured status on an Acord certificate of insurance shall not satisfy this requirement. Commercially reasonable efforts shall be evidenced by a signed statement by the Contractor's insurance broker certifying the endorsement forms required by the District are not available and the endorsements submitted provide equivalent coverage to the Additional Insured.
3. Any other amendatory endorsements to show the coverage required herein.

**NOTE: THIS QUESTIONNAIRE MUST BE COMPLETED AND ATTACHED TO CERTIFICATE OF INSURANCE AND POLICY ENDORSEMENT.**

**Insurance Coverage Questionnaire**

For \_\_\_\_\_  
(Name of Insured)

Project Number \_\_\_\_\_

Project Owner \_\_\_\_\_

Are the following coverages &/or conditions in effect?		
	Yes	No
The Policy form is ISO Commercial General Liability (CGL) form CG 00 01 of CG 00 02 (circle one). If No, attach a copy of the policy with required coverages clearly identified.		
(CGL) Ongoing Operations coverage (similar to CG 20 10 10 01, CG 2010 07 04, or equivalent)		
(CGL) Products and Completed operations coverage (similar to CG 20 37 07 04, CG 20 37 07 04, or equivalent)		
Personal Injury Liability Coverage. (with employee exclusion deleted)		
Broad Form Property Damage with X, C, U Hazards included		
Blanket Contractual Liability coverage applying to this contract		
Employers Liability - Stop Gap		

Deductibles or SIRs:                      GL \_\_\_\_\_                      AL \_\_\_\_\_                      Excess \_\_\_\_\_

Insurer' Best Rating                      GL \_\_\_\_\_                      AL \_\_\_\_\_                      Excess \_\_\_\_\_

This Questionnaire is issued as a matter of information. This questionnaire is not an insurance policy and does not amend, extend or alter the coverage afforded by the policies indicated on the attached Certificate of Insurance.

\_\_\_\_\_  
Agency/Broker

\_\_\_\_\_  
Completed by (type)

\_\_\_\_\_  
Address

\_\_\_\_\_  
Completed by (Signature)

\_\_\_\_\_  
Name of Person to contact

\_\_\_\_\_  
Telephone Number

**ATTACHMENT "B"**  
**MINIMUM REQUIREMENTS FOR**  
**CERTIFICATES OF INSURANCE**

**COMMERCIAL GENERAL LIABILITY**

Bodily Injury	\$500,000 each person
	\$2,000,000 each occurrence
Property Damage	\$2,000,000 each occurrence
	\$4,000,000 gen. aggregate
or	
Combined Single Limit	\$2,000,000 each occurrence
	\$4,000,000 gen. aggregate
Employers Liability	\$2,000,000 each accident
	\$1,000,000 each employee - disease
	\$1,000,000 policy limit - disease

**AUTOMOBILE LIABILITY**

Bodily Injury	\$500,000 each person
	\$2,000,000 each occurrence
Property Damage	\$2,000,000 each occurrence
or	
Combined Single Limit	\$2,000,000 each occurrence

**WORKERS COMPENSATION**

Limits	Statutory (show L & I ID #)
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Certificates shall be issued through insurance companies licensed to do business in the State of Washington pursuant to Title 48 RCW and who have a "Best's Insurance Guide" rating of not less than A+VII

Certificates of Insurance must be on file with the Districts prior to the start of any operations within the District.

## **WELL 21 PUMP REPLACEMENT AND REHABILITATION SCOPE OF WORK/BID ITEMS**

This project includes the removal and replacement of the failed pump and the rehabilitation of the well screen. The process may involve some or all of the following steps, depending on the recommendations of the hydrogeologist:

1. Removing the existing pump,
2. Conducting pre- and post-development downhole video inspections,
3. Wire-brushing of the casing and screen,
4. Shock chlorinating,
5. Surge-and-bail development of the screen.
6. Providing, installing and removing of a temporary pump to extract the chlorinated water and to conduct pump development (“rawhiding”),
7. Applying Aqua-Clear PFD, and
8. Providing and installing a new permanent pump, motor and approximately 7.0’ of 8” Drop Pipe with the pump intake placed at approximately 451.75 feet, including wire and sounding tubes (2 each supplied by purchaser).

The following are descriptions of the potential steps and bid items.

### ***Removing the Existing Pump***

Remove the existing pump, pump column, sounding tubes, and wire from Well 21. The contractor will be responsible for the disposal of the replaced materials.

### ***Pre- and Post-Development Downhole Video Inspections***

Conduct two video inspections of the well using a forward- and side-looking camera. Video inspections will be performed within a clean column of water before rehabilitation occurs and after the end of the rehabilitation process. A copy of the inspection DVD is been provided to the District.

### ***Wire-Brushing (optional)***

The contractor will provide the means to brush the casing and screen. The areas to be brushed will be dependent upon the observations during the pre-rehabilitation video.

### ***Shock Chlorination (optional)***

The contractor will conduct a shock chlorination treatment of Well 21 using three screen volumes (6,000 gallons) of 500-ppm sodium hypochlorite solution. To accomplish this task, the contractor will mix a hypochlorite solution in a surface tank and load it into the well, followed by introducing 9,000 gallons of clean system water to force the solution into the well screen and adjacent aquifer. The contractor will scrub and surge the 10-inch screen assembly to work the hypochlorite solution into the formation with a combination wire brush/surge block assembly for approximately 10 hours. The material produced by this process will be bailed from the well. This will be dependent upon the observations during the pre-rehabilitation video.



***Provide, Install and Remove Temporary Pump***

The contractor will provide and install a temporary test pump with the capability of pumping 1,000 gpm from a pumping water level of approximately 450 feet. The pump may be used to conduct specific capacity tests, remove chlorinated water from the well after the shock treatment, remove water after the treatment of the well with Aqua Clear PFD, and conduct pump development, or “rawhiding”.

***Surge and Bail Redevelopment***

The contractor will provide a cable-tool rig that is capable of surging the 160 feet of well screen that is located between 1,307 and 1,513 feet below ground. The entire screened interval of the well is to be surged. Each 2-foot screened interval of the well is to be surged for about 30-minutes or more. The well is to be bailed clean after surging.

***Application of Aqua-Clear PFD (phosphate free detergent)***

Well 21 may be treated with a solution of 12 gallons Aqua-Clear mixed with 6,000 gallons of system water. This solution is to be loaded into the well from the surface and chased with 9,000 gallons of clean system water to force the solution into the screened interval of the well and adjacent aquifer. This dispersant is to be agitated with the surge block and allowed to stand in the well for 5 days.

***Installation of New Replacement Pump***

The new pumping equipment is to be installed. This includes new, wire, and sounding tubes and 7 feet of 8” drop pipe. The new pump intake placed at approximately 451.75 feet, including wire and sounding tubes below ground surface. Following the installation of the new pump, the water will be pumped to atmosphere until clear to allow for the collection of a bacteriological sample for DOH compliance. Upon receiving satisfactory bacteriological sample results, District staff will hydraulically connect Well 21 to the system in preparation for post testing.

**BID PROPOSAL  
FOR THE REHABILITATION OF WEST SOUND UTILITY DISTRICT'S WELL 21  
MARCH 2021**

Item	DESCRIPTION	Units	Price Per Unit	Estimated Total Cost for Bid Comparison
1	Mobilization and Demobilization	One	Lump Sum	
2	Remove Existing Pump and Dispose of Pump and Motor	One	Lump Sum	
3	Surge Development and Wire Brushing	120 Hours	\$_____/ HR	
4	Provide, Install and Remove 1,000-gpm Test Pump	One	Lump Sum	
5	Operate Test Pump	12 Hours	\$_____/ HR	
6	Shock Chlorination Treatment	One	Lump Sum	
7	Application of Aqua-Clear PFD	One	Lump Sum	
8	Downhole Video Surveys	Two	Lump Sum	
9	Supply New Pump, motor, wire, 7' of 8" drop pipe and necessary appurtenances. (Sounding tubes (2) to be supplied by the purchaser.)	One	Lump Sum	
10	Install New Pump, Motor, wire, sounding tubes, etc.	One	Lump Sum	

SUBTOTAL \_\_\_\_\_

SALES TAX 9.0% \_\_\_\_\_

**TOTAL** \_\_\_\_\_

TOTAL (in words) \_\_\_\_\_

## **GENERAL PROVISIONS**

**TIME FOR COMMENCEMENT AND COMPLETION:** The Contractor shall notify West Sound Utility District 48-hours prior to the time of commencement of his work and the work shall be commenced and completed as set forth in the Contract.

**CLAIMS FOR DAMAGE:** The Contractor shall not be entitled to any claim or damages on account of hindrance or delays from any cause whatsoever; but if occasioned by causes beyond the control of the Contractor, or by any act or omission on the part of the Purchaser, such act, hindrance, or delay may entitle the Contractor to an extension of time in which to complete the work, provided that the Contractor gives notice in writing stating the cause of such act, hindrance or delay within two (2) days after its occurrence.

**PAYMENTS:** The Contractor shall submit invoices to the District at the end of the project for the services performed. Payments will be made no later than thirty (30) calendar days upon acceptance and District approval of the Contractor's invoice.

a. Retention of Public Works Contracts: Five percent (5%) of all monies earned by the Contractor on estimates during the progress of the work shall be retained by the District. Said funds shall not be released until the expiration date of thirty (30) days after the acceptance of the completed contract and the receipt of a certificate from the proper authorities. The Contractor shall certify that there are no unsatisfied liens against the fund. Certificates shall be obtained from the State Tax Commission, and any suppliers of labor, material, or equipment as requested by the District.

- Prior to release of retainage, the Contractor shall provide the following:
- Affidavit of Wages Paid from Department of Labor
- Certificate from the Department of Revenue that all taxes and penalties are paid.
- Certificate from Contractor that all suppliers and subcontractors have been paid and that there are no liens against the project.

**INTERPRETATIONS OF DOCUMENTS:** The documents forming the contract are complementary, and what is called for in one shall be binding as if it were called for by all. They are intended to include all details and material reasonably necessary for the proper execution of the work.

**PROTECTION OF LIFE AND PROPERTY, AND INDEMNITY AGREEMENT:**

a. Responsibility for the protection of the work, the workers, all public utilities, the public at large, and traffic in general against damage and injury chargeable to the construction or any circumstances, conditions, or negligence in connection therewith, shall rest with the Contractor and he shall be liable therefore. The Contractor shall erect and maintain good and sufficient guards, barricades, signs, lights, and signals at all unsafe places at or near the work, and shall do all other things necessary to prevent accident or loss of any kind as a result of his operations.

b. The Contractor covenants that he will indemnify the Purchaser from any loss, damage, cost, charge, or expense whether to persons or property to which the Purchaser may have been put by reason of any act, action, neglect, omission, or default on the part of the Contractor. The Contractor hereby covenants to assume the defense thereof and to pay any and all judgments that may be incurred by or obtained against the Purchaser.

**CHANGES IN WORK AND EXTRA WORK:** The right is reserved without impairing the contract, to order the performance of such extra work of a class not contemplated in the proposal, as may be considered necessary to complete fully and satisfactorily the work included in the contract. Such changes and extra work shall be done in accordance with the Contract Documents insofar as the contract documents are applicable and shall be paid for as provided for herein. Payments for extra work will be made at unit price bid, if applicable, or at cost plus fifteen percent (15%). The Contractor shall not commence or perform any extra work for which he expects extra compensation until such work has been ordered in writing by the District. All claims for extra work must be approved by the District in writing at the completion of such work.

**CONTRACTOR RESPONSIBILITY FOR WORK DONE:** The Contractor shall furnish for the price bid all skill, labor, and materials required for the complete performance of the contract, and shall fully complete the work. He/she shall be responsible for the entire contract and shall maintain the same during construction and until final acceptance of the entire improvement by the Purchaser. He/she shall also replace and make good any and all defective materials or workmanship in any part of the work or equipment covered by this contract if discovered within two (2) years following acceptance of the work. The performance bond furnished shall guarantee such replacement and repair and shall save harmless and indemnify the Purchaser from such defective materials or workmanship for a period of two (2) years following the acceptance of the work.

**CLEANING UP:** From time to time as may be ordered by the Purchaser, the Contractor shall, at his own expense, clean up and remove all refuse and unused materials of any kind resulting from the work.

**TERMINATION FOR BREACH:** Should the Contractor, at any time, refuse, or neglect to supply a sufficient number of properly skilled workmen or of materials of the proper quality, or fail in any respect to prosecute the work with promptness and diligence, or fail in the performance of any of the agreements therein contained, the Purchaser may, at its option and after giving ten (10) days notice in writing to the Contractor, provide such sufficiency of labor or materials and deduct the cost thereof from any monies due or thereafter to become due under this contract.

In the event of such refusal, neglect or failure, or if the Contractor abandons the work undertaken under this contract, the Purchaser may, at its option, transfer the employment for said work from the Contractor to the surety. Written notice of such transfer of employment shall be given to the Contractor and to his surety or his surety's representative, except that no notice need be given a Contractor who has abandoned work. Upon receipt of such notice, such surety shall enter upon the premises and take possession of all materials, tools, and appliances thereon for the purpose of completing the work included under this contract and employ, by contract or otherwise, any person or persons to finish the work and provide the materials therefore, without termination of the continuing full force and effect of this contract. In case of such transfer of employment to such surety, that surety shall be paid in its own name on estimates covering work subsequently performed under the terms on this contract and according to the terms hereof without any right of the Contractor to make any claim for the same or any part thereof.

In lieu of the foregoing, if the Purchaser so elects, it may terminate the employment of the Contractor for said work and enter upon the premises and take possession of all materials, tools, and appliances thereon for the purpose of completing the work included under this contract and

employ, by contract or otherwise, a person or persons to finish the work and provide the material therefore. In case of discontinuance of employment by the Purchaser as aforesaid, the Contractor shall not be entitled to receive any further balance of the amount to be paid under this contract until the work shall be fully finished, at which time, if the unpaid balance of the amount to be paid under this contract shall exceed the expenses incurred by the Purchaser in finishing the work and all damages sustained or which may be sustained by the Purchaser by reason of such refusal, neglect, failure, or discontinuance of employment, such excess shall be paid by the Purchaser to the Contractor and his surety. However, if such costs exceed the amount of the unpaid balance to be paid under this contract, the Contractor and his surety shall be jointly and severally liable therefore to the Purchaser and shall pass the difference to the Purchaser.

**SCOPE OF SPECIFICATIONS:** It is the intent of these specifications to describe the project complete in every respect. Any work that may have been accidentally implied, shall be furnished by the Contractor the same as if it had been specifically stated. In accepting this contract, he shall assume responsibility for methods of performing and installing the work.

**PREVAILING WAGES:** The Contractor agrees that the hourly minimum rate of wage which may be paid to laborers, workmen, or mechanics in each trade or occupation required by the Contractor, subcontractor, or other person doing or contracting to do the whole or any part of said work, shall not be less than the prevailing rate of wage.

The Contractor further agrees to comply with the provisions of RCW. 39.12, and in particular, to comply with the procedure for complying with said laws as set forth in the Information Bulletin dated July 19, 1965, revised January 1966 as issued by the Department of Labor and Industries of the State of Washington and any amendment or supplements thereto.

The Contractor, on or before the date of commencement of work, shall file a certificate and statement, verified by oath by the Contractor or subcontractor as the case may be, that he has read such a statement and certificate subscribed by him and knows the contents thereof, and that the same is true of his knowledge, said certificate and statement to be filed with the Purchaser and with the Director of Labor and Industries certifying the rate of hourly wage paid and to be paid each classification of laborers, workmen, or mechanics employed upon the work by the Contractor or subcontractor, which shall not be less than the prevailing rate of wage. Such statement and any supplemental statements which may be necessary shall be filed in accordance with the practices and procedures required by the Department of Labor and Industries.

In case any dispute arises as to what are the prevailing rates of wage for work of a similar nature and such dispute cannot be adjusted by the parties in interest, including labor and management representatives, the matter shall be referred for arbitration to the Director of the Department of Labor and Industries of the State of Washington, and his decision therein shall be final and conclusive and binding on all persons involved in the dispute.

West Sound Utility District retains the right to audit the Contractor's records.

Prevailing Wage Rates may be found at: <https://lni.wa.gov/licensing-permits/public-works-projects/prevailing-wage-rates/>

- The wage publication date to use is March 25, 2021,
- The project is located in Kitsap County;

- a copy of the applicable wage rates is available for viewing at West Sound Utility District Administrative Offices, 2924 SE Lund Avenue, Port Orchard, WA
- West Sound Utility District will mail a hard copy of the applicable wage rates upon request.

**TAXES:** The Contract Sum and any agreed variations therefrom shall include all Federal, State, and local taxes imposed by law, except for the Washington State Sales Tax, which shall be shown separately from the contract sum. Storm water facilities and paving of streets are expected to be exempt from sales tax.

**MATERIALS:** All materials called for shall be erected or applied in accordance with the manufacturer's instructions.

**SCHEDULES AND REPORTS:** The Contractor shall furnish the following schedule to the Purchaser within ten (10) days from the signing of the contract where practical.

- a. Schedule of all subcontractors to be used by the general contractor on this project.
- b. Department of Labor and Industries "Statement of Intent to Pay Prevailing Wages on Public Works Contract".
- c. Schedule of all materials, supplies, and labor contracts and the amounts for the same.
- d. Schedule of proposed work progress by calendar day.
- e. Upon completion of the project, execute required documents of certification of state and local government agencies as required by law for public works contracts.

**PUBLIC SAFETY:** The general contractor shall be responsible for his subcontractors in all respects insofar as this project is concerned. The Contractor shall be responsible for the erection and maintenance of good and sufficient guards, barricades, signs, lights, and signals at all unsafe places at or near the work, as set forth in the general specifications and in such a manner that access shall not be impaired. The Purchaser's desires in this matter shall be followed.

**WELL 21 PUMP REPLACEMENT AND REHABILITATION  
SPECIAL SPECIFICATIONS**

**QUALITY ASSURANCE:** The Contractor is required to remove and replace any work found deficient or not complying with the requirements of the plans and specifications, at no additional cost to the Purchaser.

**SAFETY:** The Contractor is required to comply with all rules and regulations of the County, and State authorities regarding job safety and any necessary traffic control. Extreme care shall be taken by the Contractor to avoid accidents.

## **PREVAILING WAGE PROCEDURES**

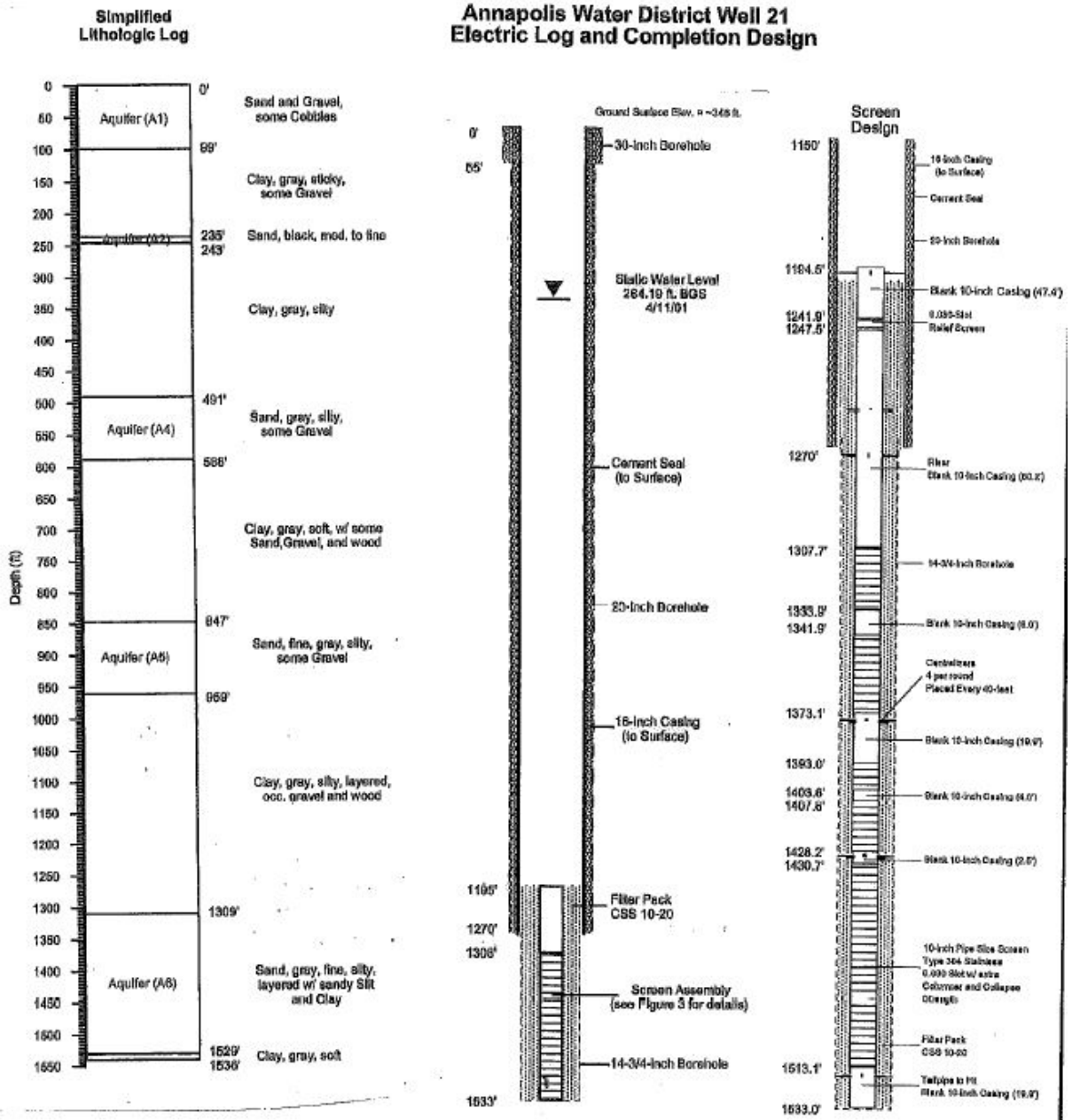
Public Works construction contracts require compliance with the Prevailing Wage Laws. All contractors are encouraged to call the Department of Labor and Industries at (360) 902-5334 to obtain the required forms and to seek specific information.

The following are required:

1. The contractor shall provide the original Intent to Pay Prevailing Wages, which has been approved by L&I, before any progress payment is paid. This requires prompt submittal of the contractor's and subcontractor's forms to L&I.  
RCW 39.12.040
2. Each progress payment submitted to the Purchaser shall have a statement from the contractor that the prevailing wages have been paid in accordance with the pre-filed Intent to Pay Prevailing Wages.  
RCW 39.12.040
3. At the conclusion of the contract, the contractor shall provide to the Purchaser the original and L&I approved Affidavits of Wages Paid from the contractor and the subcontractors. The Purchaser will not release retainage until all approved Affidavits are received and the Department of Revenue has authorized release of retainage.  
RCW 39.12.040



# Well 21 Construction Details



Annapolis Water District Well 21 Lithologic Log and Completion Design Figure 2 Figure 3

Contractor supplied motor:

- Franklin 8”
- 150HP
- 480V - 3 –Phase
- 3 stage, 150 HP Franklin Pump End

## Pump Performance Datasheet

Company Name	
Company contact number	
Quote Number	1147290
Project name	Default

Model/Order No.	FVT-10FLC Enclosed Impeller
Stages	3
Quantity of pumps in parallel	1
Based on curve number	10FLC(2POLE)
Saved Date	18 Mar 2021 9:10 PM

### Operating Conditions

Flow, rated	: 800.0 USgpm
Head, rated (requested)	: 472.0 ft
Head, rated (actual)	: 474.2 ft
Suction pressure, rated / max	: 0.00 / 0.00 psi.g
NPSH available	: Ample
Site Supply Frequency	: 60 Hz

### Performance

Speed criteria	: Synchronous
Speed	: 3450 rpm
Impeller dia.	: 7.38 in
Impeller diameter, maximum	: 7.69 in
Impeller diameter, minimum	: 6.88 in
Efficiency (bowl / pump)	: 79.81 / - %
NPSH required / margin required	: 31.51 / 0.00 ft
Ns (imp. eye flow) / Nss (imp. eye flow)	: 1,996 / 7,229 US Units
MCSF	: 472.2 USgpm
Head max.	: 637.9 ft
Head rise to shutoff (bowl / pump)	: 34.92 / - %
Flow, best eff. point (bowl / pump)	: 779.5 / - USgpm
Flow ratio, rated / BEP (bowl / pump)	: 102.62 / - %
Diameter ratio (rated / max)	: 95.93 %
Head ratio (rated dia / max dia)	: 85.21 %
Cq/Ch/Ce/Cn [ANSI/HI 9.8.7-2010]	: 1.00 / 1.00 / 1.00 / 1.00
Selection status	: Acceptable

### Liquid

Liquid type	: Water
Additional liquid description	:
Solids diameter, max	: 0.00 in
Solids concentration, by volume	: 0.00 %
Temperature	: 68.00 deg F
Fluid density	: 1.000 / 1.000 SG
Viscosity	: 1.00 cP
Vapor pressure, rated	: 0.34 psi.a

### Material

Material selected	: Cast Iron
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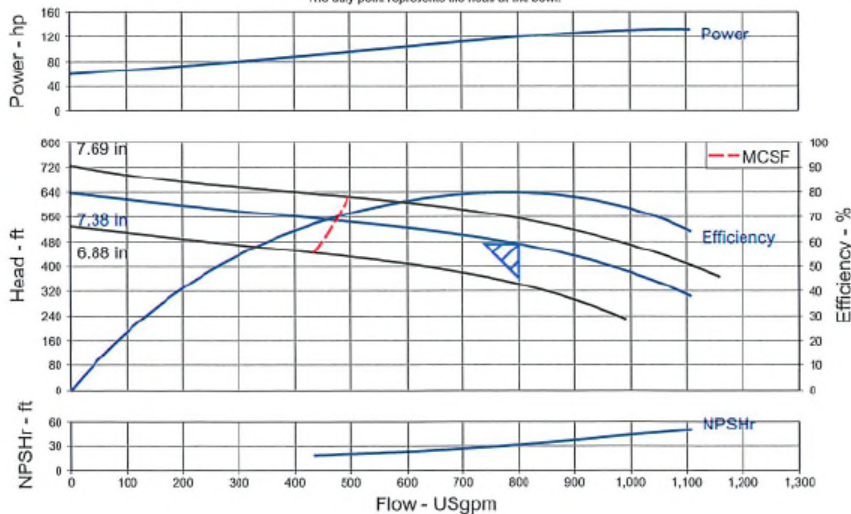
### Pressure Data

Shut off pressure	: See the Additional Data page
Maximum allowable working pressure	: See the Additional Data page
Maximum allowable suction pressure	: N/A
Hydrostatic test pressure	: See the Additional Data page

### Driver & Power Data (@Max density)

Driver sizing specification	: Rated power
Margin over specification	: 0.00 %
Service factor	: 1.00
Power, hydraulic	: 95.49 hp
Power (bowl / pump)	: 120 / - hp
Power, maximum	: 133 hp
Motor rating	: 125 hp / 93.21 kW

Pump performance. Adjusted for construction, viscosity, static lift to discharge nozzle centerline, friction and power losses of lineshaft and thrust bearings. The duty point represents the head at the bowl.



Pump Configuration:

Pump		
Order No.	Qty	Description
	1	10FLC-1A-2BS-05W-03-A'0-P
	1	<b>Bowl Configuration</b>
		<b>Bowl Options</b>
		Model: 10FLC
		Bowl Lubrication : Water Lubricated
		Impeller Type: Enclosed
		Bowl shaft diameter: 1-1/2"
		NSF/ANSI 61 Certification: No
		<b>Material options</b>
179-10FLMC-030	3	Bowl Material: Cast Iron ASTM A48 Class 30 (default)
		Bowl Wear Ring Material: None
		Bowl Bearing Material: Bronze (Alloy C932)
		Bolting material: 18-8ss Bowl Bolting
		<b>Impeller options</b>
444-10FLC-304	3	Impeller material: 304SS Standard (AISI Type 304)
		Impeller Wear Ring material: None
225-0006-416	3	Impeller Collets: AISI Type 416 SS
		Impeller Dynamic Balance: Standard (ISO Grade 6.3)
		<b>Bowl shaft options</b>
760-510071-416	1	Bowl Shaft Material: 416 SS (ASTM A582, Type 416)
		Bowl Shaft Rittle Drilled: No
		Coupling Type: Threaded Bowl Shaft Coupling
		Bowl Shaft Cplg Material: 416 SS (ASTM A582, Type 416)
		<b>Discharge options</b>
		Alert: Please select a bowl discharge size and bowl shaft thro size below
		Bowl Discharge Type: Threaded
136-0018-660	1	Bowl Discharge Bearings Material: Bronze (Alloy C932)
		Bowl Discharge Size: Select a size
		Bowl Shaft Projection: 7.5" FPS Standard
		Bowl Shaft Threaded Size: Select a size



Pump		
Order No.	Qty	Description
		Bowl Shaft Pitch Size: Other
		Column Reducing Bushing: Column Reducing Bushing
		<b>Suction options (Selected above)</b>
		Suction Type: Threaded
816-0019-030	1	Suction Size: 6"
		Suction Bearing material: Bronze (Alloy C932)
164-0006-1045	1	Sand Cap: Sand Cap
		Strainer Type: None
		<b>Discharge Head &amp; Motor Configuration</b>
		<b>Discharge Head Design</b>
		Discharge Head: Franklin Supplied
		Motor Base Diameter: 10
		Discharge Head Type: Cast Iron
		Discharge Head Diameter: 0 Inches
		Discharge Head Lubrication: Water Lubricated
		<b>Discharge Head Options</b>
		Cast Iron Packing Box
		<b>Accessories</b>
	1	Headshaft Material: 416 SS
		Stuffing Box Bearing Material: Bronze (C932)
		Discharge Head Seal: 304SS Packing Gland
		<b>Coating Configuration</b>
		<b>Bowl Assembly Coating</b>
		Bowl Coating Type: Factory Standard
		Coating Name: Pro Tech – Acrystar 3000 series
		Coating Thickness: 2 Mills DFT
		Coating Color: Franklin Blue
		Bowl Surfaces to be Coated: ID Vitreous Enamel - OD Franklin Blue
		<b>Discharge Head Coating</b>
		Exterior Discharge Head Coating Name: Pro Tech – Acrystar 3000 series
		Exterior Discharge Head Coating Thickness: 2 Mills DFT
		Exterior Discharge Head Number of Coats: Standard
		Exterior Discharge Head Coating Color: Franklin Blue
		Interior Discharge Head Coating Type: None



Pump		
Order No.	Qty	Description
		<b>Other Optional Features or Requirements</b>
		<b>Special Services / Warranty Options</b>
		Warranty: Standard (1 year)
<b>Pump Total</b>		

Motor		
Order No.	Qty	Description
		<b>Discharge Head &amp; Motor Configuration</b>
		<b>Motor</b>
		Motor Type: VHS
		Enclosure: WP1
		Inverter Duty: No
		Motor Coupling: Non Reversible Ratchet
		Motor: Other - Please enter details
<b>Motor Total</b>		

