

**PUD NO. 1 OF SKAGIT COUNTY
JUDY RAW WATER PUMP STATION REPLACEMENT PROJECT**

ADDENDUM NO. 2

Date of Issue: October 20, 2020

To All Planholders and/or Prospective Bidders:

Acknowledge receipt of this Addendum in the space provided in the BID FORM, page PROPOSAL-4. Failure to do so may subject the Bidder to disqualification.

The following changes, additions, and/or deletions are hereby made a part of the project bid documents for the **Judy Raw Water Pump Station Replacement Project** and shall have the same effect as if set forth therein.

PROCUREMENT AND CONTRACTING DOCUMENTS

Bid Proposal Forms

1. **Comparable Contract History.** Delete the phrase “five (5) years” and replace with “fifteen (15) years” on page PROPOSAL-8.
2. **Superintendent Work History.** Delete the phrase “five (5) years” and replace with “fifteen (15) years” on page PROPOSAL-8.
3. **Project Manager Work History.** Delete the phrase “five (5) years” and replace with “fifteen (15) years” on page PROPOSAL-9.

Remove page PROPOSAL-11 from the BID FORMS. This form is to be part of the AGREEMENT, not the BID FORMS. Revise the page number on this form to AGREEMENT-6B.

Supplementary General Conditions

Add to following section heading and paragraphs to page SGC-5:

5.6 Section 1-07.18: Builder’s Risk Insurance

“All Risk” Builder’s Risk Insurance in an amount not less than the Contract Price, shall cover, but shall not be limited to, fire, lightning, windstorm, hail, explosion, riot, riot attending a strike, civil commotion, smoke damage, damage by aircraft or vehicles, vandalism and malicious mischief, theft, collapse, flood, and earth movement. All the preceding shall be covered, whether by the standard policy or by options or endorsements to the standard policy. The insurance shall name the Owner and the Contractor as insureds and shall include coverage for, including but not limited to, all damages or loss to the Work and to appurtenances, to materials and equipment to be used on the Project while same are in transit and/or stored on or off the project site.

TECHNICAL SPECIFICATIONS

Page 1-8

Replace **Section 1.51** with:

1.51 Temporary Utilities

The Contractor is responsible for providing sanitary facilities adequate for all workers. Sanitary facilities shall comply with all codes and regulations.

Temporary electrical power is available at the site. The Contractor may use existing power at the existing pump station building.

Temporary water is available at the site. The Contractor may use existing water taps connected to the W1 pumps in the existing pump station building. Coordinate with Owner staff prior to use.

Page 1-10

Replace **Section 1.72** with:

1.72 Scheduling and Sequencing

Refer also to the Completion Time section under the Instructions to Bidders.

Contractor is allowed four periods of shutdown of the Owner's systems for tie ins. These include:

- No longer than 12 hours to install the discharge tie-in connection on the Concrete Cylinder Pipe,
- No longer than 3 hours to connect Chlorine Dioxide line,
- Up to 3 calendar days to complete the stage 1 power drop as described below, and
- Up to 12 hours for stage 2 power crossover as described below.

All shutdowns shall be scheduled and approved by the Owner with at least 7 calendar day notice. Shutdowns will be coordinated with the Owner and Puget Sound Energy for the stage 1 power drop. No shutdowns are allowed from May 1 to October 1.

The connections to the 10-inch W1 potable water Panorama Zone pipeline will not require a shutdown. Owner crews will install the 1-inch hot-tap on the existing 10-inch ductile iron pipeline and connect the 1-inch service line after the Contractor has flushed, pressure tested, disinfected, and received a satisfactory bacteriological sample.

New power drop will be completed in stages. Removing the pole that interferes with the proposed building, installing a new pole, and installing a larger transformer on the existing vault. This power utility work needs to occur prior to building construction. As outlined below, Stage 1 can occur as soon as the contract is awarded. Stage 2 will need to wait for the proposed BPS to be connected and ready for energization.

Stage 1: The WTP shall be on backup power with a standby trailer mounted EG serving as a redundant backup. Outage lasting up to 3 calendar days.

1. Remove existing pole and overhead power
2. Install new pole
3. Remove existing transformer
4. Install new transformer
5. Reconnect existing BPS to new transformer

Stage 2: Switchboard Replacement. Outage lasting up to 3 calendar days.

1. Connect Contractor-provided portable generator to the existing MCC-1, feeder to MCC-2, MS-1 Enclosure (Raw Water P-100-1), MS-2 Enclosure (Raw Water P-100-2).
2. Energize proposed switchboard and transition motor loads to switchboard individually, to be coordinated with the Owner.

Stage 3: Secondary Power Cutover. Outage lasting up to 12 hours, same backup plan as before)

1. Connect Contractor-provided portable generator to the proposed switchboard generator incoming lugs at the proposed BPS.
2. Disconnect existing BPS secondary power
3. Connect proposed BPS secondary power

Power drop shall be completed with the use of a 700 kW or larger portable standby Generator on site and hard wired into the pump station. Contractor shall provide generator, fuel, maintenance and operation for the shutdown. Submit generator information for power drop use for review and approval to cover both stages as described above. Contractor shall coordinate with the Owner and Puget Sound Energy to schedule the power drop and crossover work for both stages.

Intermediary outages during cutovers and cabling transitions are unavoidable and shall be limited to no more than 30 minutes with 1 calendar week notice to the Owner. As the primary source of water for the area it is paramount to minimize outages and disturbances to treatment plant operations.

Page 8-5

Replace **Section 8.31.40** with:

8.31.40 Building Roof Hatch

Part 1 – General

Roof Hatches shall be equal to Bilco SS-50 aluminum roof hatches.

Part 2 – Products

Hatches shall have stainless steel hardware and curb mounting compatible with the metal roof and roof sheathing. Cover shall be aluminum with EPDM seal gasket. Curb shall be aluminum. Finish shall be aluminum mill finish.

Vent shall open by cable winch system.

Roof hatches shall be openable/closeable from the floor of the building via cable and pulley system. Hatches shall provide full clear opening to pass the pumps and motors chosen by the Contractor. Contractor shall be responsible for coordination and fit of pumps and motors thru the roof hatches.

Part 3 – Execution

Install units in strict conformance with manufacturer's recommendations. Provide and install all materials necessary for a watertight construction.

Provide and install cable pulley winch system to operate each hatch from ground level. Set winch in location chosen in the field with Owner representative present. Winch shall be capable of operation by hand and/or drill to fully open and close the hatch.

Page 11-3

Replace Section **11.10.1 Part 1 – General, Schedule** with:

Schedule

Provide delivery time in time from approval of shop drawings/submittal. All equipment shall be delivered within 28 weeks or less from approval of complete submittal information.

Page 15-3

In Section **15.11.11 Water Main Installation**, add the following after the words “Panorama Zone” in Part 1 – General, Scheduling section paragraph 2:

(Potable water system used for the seal safe system)

Page 15-7

In Section **15.18.02 Buried Water System Inspection and Testing**, modify:

Part 3 - Execution

Replace the **Cleaning** Section with the following:

Cleaning

Allow visual inspection of all new piping by means of inspector visual review or by camera insertion (provided by Owner) before disinfection. Remove all debris observed by inspector to Owner satisfaction. Swab chlorinate the new portions of the water system in accordance with AWWA C651 and hose out using potable water provided by the Owner and vacuum (vacuum system by contractor). Operate each valve during chlorination period to provide contact. Do not discharge chlorinated material to storm or surface water systems without thoroughly neutralizing the chlorine residual remaining in the water in accordance with AWWA C655 for field de-chlorination or dispose of properly to a wastewater treatment plant.

As this pump station is raw water, no sampling will be required. The piping shall be cleaned to remove oil residue and construction debris, visually inspected and approved by the Owner Representative, disinfected, and flushed lightly to remove majority of chlorine with a screened outlet to verify no construction debris are found. Owner’s representative shall be scheduled at least one (1) calendar week in advance of visual inspection and flushing and witness the cleaning, disinfection, and flushing in action. Submit flushing plan to the Owner for review and approval. Control water as to not allow erosion off site.

PLANS

Sheet No. 3 of 37, DWG NO. C02

Delete the Phasing Notes on this page. Refer to Specifications 1.72 above for phasing.

Sheet No. 5 of 37, DWG NO. C04

Replace Note W8 with the following:

CONTRACTOR TO PROVIDE APPROX. 72 LF OF 1" RAHUE (PEX) PIPING AND FITTINGS AS NECESSARY TO CONNECT TO NEW PUMP STATION BUILDING. OWNER CREWS WILL INSTALL 1" HOT-TAP ON EXISTING 10" DI PIPELINE AND CONNECT THE RAHUE (PEX) SERVICE LINE. REFER TO DWG NO. M03 FOR CONTINUATION.

Add the following to Note W9:

CORE HOLE INTO CB AND LAY DI NIPPLE TO INSIDE WALL EDGE. GROUT BETWEEN CORE AND DI NIPPLE FULL CB WALL DEPTH WITH NON-SHRINK CONCRETE GROUT LEAK TIGHT.

Add the following to Note C1:

CORE HOLE INTO EXISTING STEM WALL TO PASS 2" PIPE. GROUT BETWEEN CORE AND 2" PIPE FULL WALL DEPTH WITH NON-SHRINK CONCRETE GROUT LEAK TIGHT.

Sheet No. 13 of 37, DWG NO. S04

Replace Note "Contractor Designed Shoring/Sheet Pile, Typ." With:

CONTRACTOR DESIGNED SHORING AS NECESSARY, TYPICAL

Sheet No. 16 of 37, DWG NO. S07

Replace Note on Typical Hatch Section (501):

LANE-AIRE ROOF SMOKE VENT WITH CABLE POINTS TO ATTACH TO PER SPECIFICATIONS DIVISION 8. VENT TO BE RIGGED FOR MANUAL OPERATION TO BE COMPLETED BY CONTRACTOR

With:

ROOF HATCH PER SPECIFICATIONS DIVISION 8, TYPICAL OF 4.

Replace Note on Typical Hatch Section (501):

SKYLIGHT OPENING FRAMING

With:

ROOF HATCH OPENING FRAMING

Sheet No. 20 of 37, DWG NO. M04

Replace the note in box starting with "CCP TIE IN SHALL..." with:

SEE SPECIFICATIONS 1.72 ABOVE FOR TIE IN INFORMATION.

Replace the note starting with “30” DI LONG BODY SLEEVE...” with:

30” DI LONG BODY SLEEVE (RJxRJ) USE MEGALUG OR EQUAL TO ATTACH TO CONNECTING PIPES. STEEL PIPE SIDE SHALL BE CAPABLE OF MEGALUG RESTRAINT.

QUESTIONS

Can the District verify that the cost of the OCP policy naming Skagit PUD #1 as additional insured should be included in the bid?

Yes. Insurance policies to be provided by the contractor shall be included in the bid.

Because of how project may be funded, will there be any AIS, Buy America, etc., requirements?

No. The District is funding this project through their Revenue Fund. There is not outside funding that have purchase requirements.

Are any Addendums coming out in the next day or so?

Yes. Addendum No. 1 was issued on October 14, 2020.

I am curious as to why the bid opening date was postponed. Can you tell us why?

The Skagit Valley Herald published the Advertisement for Bid with the incorrect header. Therefore, to meet bid advertisement requirements under Title 54 RCW, the District decided to re-advertise the project and postpone the bid submittal to 10:00 am on November 3, 2020.

Confirm that the District will pay for the power pole relocation performed by Puget Sound Energy.

Yes. The District will pay Puget Sound Energy to relocate the power pole and replace the existing transformer.

Is the contractor to provide a generator for the Puget Sound Energy pole relocation and transformer swap?

Yes. This generator requirement is covered in in **Section 1.72: Schedule and Sequencing** above.

Will water and electrical be available to the contractor for the duration of the project? Will there be a charge for the use of these utilities?

Water will be available from a hose bib in the pump room of the existing pump station. Electrical power (110 vac) will be available from an electrical outlet in the existing pump room. Water and electrical power usage will not be charge to the contractor.

Is the Contractor responsible for power usage fees during the startup period?

No. the District will pay for electrical power usage during the startup and commissioning phase of the new pump station.

Should there be another section of new fence shown on Sheet C05 near this corner of the new pump station?

No. The gap in the fence is acceptable. This section of fence is secondary to the primary security fence that extends around Judy Reservoir.

Please clarify the Owner will pay for all construction testing of soils/gravel compaction and concrete. Division 1 is ambiguous while the specific technical sections are not.

The District is contracting with GeoTest Services, Inc., to perform special inspections, which includes:

- Field in-place density tests for structural fills/backfills at structures, civil area, and utilities.
- Inspection of building and pavement subgrades.
- Periodic inspection of reinforcing steel placement and anchor bolt placement.
- Continuous inspection during concrete placement, including sampling, slump, air, temperature and taking concrete specimens for compaction testing.
- Periodic inspection of CMU wall reinforcing steel placement and anchor bolt placement.
- Continuous inspection during CMU placement, including sampling, slump, temperature and taking grout specimens.
- Test grout and mortar for compressive strength.
- Test and inspect asphalt pavement during placement and compaction.
- Sampling from production facility.

This Addendum consists of seven pages specification corrections, three pages of minutes, and two pages attendance sheet for a total Addendum of **twelve (12) pages**.



Mark Semrau, P.E., PMP, Capital Projects Manager
PUD No.1 of Skagit County

Enclosures: Pre-Bid Meeting Minutes
Pre-Bid Meeting Attendance Sheet



**Judy Raw Water Pump Station Replacement
Pre-Bid Meeting Minutes
October 13, 2020
10:00 AM**

A pre-bid meeting for the Judy Raw Water Pump Station Replacement Project was conducted at the Raw Water Pump Station (project site) of the Public Utility District No. 1 of Skagit County (District) located at 19061 Morford Road, Sedro-Woolley, Washington, on Tuesday, October 13, 2020 at 10:00 AM.

Welcome to the Pre-Bid Meeting

Mark Semrau, P.E., PMP, Capital Projects Manager (CPM) called the Pre-Bid meeting to order at 10:00 AM

Project Team

CPM Semrau introduced District staff in attendance: Brandt Barnes, District Inspector; Rob Sager, WTP Maintenance Manager; and Catherine Price, Contract Coordinator; and RH2 Engineering: Dan Burwell, Civil & Mechanical Design Lead.

Also in attendance were: Loren Dorrah, Advanced Power; Nick DeVitis, Harbor Pacific; Brad Wyman, ICI; Sean Martin, Foy Group; John Montgomery, Pacific Civil and Infrastructure; Grant Scarlett, Faber; Mark Elias, Boss; Jon Millenaar, Reece; Roger Martinez; Burke; Ray Williams, Derian; Keenan Thomas, IMCO; Cody Hollander, Award; Ryder Fleming, JH Kelly; George Hochstein, Equity Builders; Mitchell Soresstad, IMCO; Mark Stouder, Strider; Derek Isenhardt, Tiger; Garrett Hoffman, Dahl Electric; and one unidentified attendee.

Purpose of the Pre-Bid

The purpose of the meeting is to briefly go over the project elements; discuss and highlight the unique parts of the project; provide an opportunity for Bidder's questions; and provide an opportunity to tour the project site.

Project Description/Overview

CPM Semrau gave a brief overview of the project including installation of a new raw water pump station with three vertical turbine pumps, split-face CMU building, metal roof, and associated mechanical appurtenances, electrical equipment, and heating and cooling systems. Site improvements include water yard pipeline, storm drain improvements, chain-link fence modifications, site lighting, final grading, pavement and surface restoration, and landscaping restoration. He specifically noted two connections, a 30" pipeline and a Chlorine Dioxide line, the rock wall extension and moving of a light pole. District crews will install a new Chlorine Dioxide line to the project site.

CPM Semrau mentioned that Puget Sound Energy will be installing a new transformer and powerline drop pole; the existing location is in direct conflict with the new raw water pump station location. This work may be completed prior to construction.

Bid Schedule

CPM Semrau stated that the cutoff for bid related questions is on Friday, October 16, 2020, at 8:00 AM.

He stated that the bids are due by 10:00 AM on Tuesday, October 20, 2020, He explained that District offices are currently closed to the public; therefore, bids are to be placed in a sealed envelope and dropped off at the Customer Service drive-up window of the Skagit PUD District Office located at 1415 Freeway Drive, Mount Vernon, WA 98273.

Bids will be opened and read aloud via Zoom virtual meeting on Tuesday, October 20, 2020, no sooner than at 10:01 AM. Link to the Zoom bid opening can be found on our website www.SkagitPUD.org or www.BXWA.com.

CPM Semrau stated that the project length is 365 calendar days and therefore, November 2021 construction completion is anticipated.

Project Constraints

CPM Semrau reviewed possible constraints to the project: workdays/hours are 7AM - 9PM, M-F and 8AM - 9PM Sa/Su, unless changed due to construction requirements.

Contract length is 365 calendar days, as stated above.

Located in the project specifications, Appendix A, you will find Building Permit BP20-0302, including the Stormwater Site Plan {Drainage Report} and the Geotechnical Report.

CPM Semrau pointed out the overhead high voltage power transmission lines that are 50,000 KVA.

Proposal Issues

CPM Semrau reminded bidders to use only the Bid Proposal form or Addendum Bid Proposal form to submit bids. All pages of the form must be submitted with the bid unless specific addenda pages are issued, including Bid to Commission and checklist.

Payments

CPM Semrau stated that the typical cut off for monthly progress payments are monthly, on the 25th of the month.

Other

CPM Semrau stated that GeoTest will provide materials testing for the project, the Contractor is responsible for construction staking. The Contractor's Safety Plan needs to include COVID-19 measures. He also noted that if proclamation or other governmental rule delays construction progress, time will be added to the contract but not contractor payment for delay.

Addendums

The District anticipates issuing Addendum No. 1 with questions/clarifications to date on Friday, October 16, 2020.

Burwell reviewed three questions/clarifications received to date, all of which will be in Addendum No. 1:

1. Will clarify whether or not the tie-in to Panorama potable water zone, seal-safe system for pumps.
2. Will modify flushing specifications with regards to flushing discharge suction lines.
3. Hatches – Will change to Bilco product; want the same setup on new building as we currently have.

CPM Semrau stated that QCC is the sole source manufacturer of the panels for controlling and programming.

Inspector Barnes stated that this is an operable pump station; therefore, the District will need unobstructed access to the pump station 24/7.

Questions/Clarifications

At this time CPM Semrau opened the meeting to audience questions.

Mark Stoudek, Strider inquired about a discrepancy in the specifications. Is it 12 or 24 hours; CPM Semrau replied that it should be 12 hours.

With no further business to discuss, the pre-bid meeting for the Judy Raw Water Pump Station Replacement Project was adjourned at 10:14 AM.

Respectfully submitted,
Catherine Price, Contract Coordinator



Judy Raw Water Pump Station Replacement Project
Pre-Bid Meeting
October 13, 2020
10:00 AM

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Mark Semrau	"	" " "	semrau@ " "
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Judy Raw Water Pump Station Replacement Project
Pre-Bid Meeting
October 13, 2020
10:00 AM

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