



# SWEET HOME SCHOOL DISTRICT **COMMUNITY POOL**

## **Replace Pool Filtration System**

The Sweet Home School District is seeking bid proposals from experienced vendors to replace the district-operated swimming pool's filtration system. The pool is located at 1641 Long Street, Sweet Home, OR 97386.

Voluntary Site Visit: Thursday, February 22, 2024 at 10 a.m.

Bid Deadline: Monday, March 4, 2024 at 4 p.m.

## **INTRODUCTION**

The Sweet Home School District is seeking bid proposals from qualified vendors to replace the district-operated swimming pool's filtration system. Work can begin on Monday, July 1, 2024 and must be completed by Friday, August 30, 2024.

## **POOL SPECIFICATIONS**

Pool Volume: 138,000 gallons

System design must accommodate flow rate of 475 gpm (5 hr turnover)

## **GENERAL SCOPE OF WORK**

Contractor will be responsible for all applicable building, health department and trade permits as part of this process. Contractor is responsible for ensuring that specified equipment is able to fit in existing mechanical room and appropriate utility service is available. Any required changes must be included with proposal.

Contractor must furnish all labor, materials and tools necessary to complete work. The contractor must provide a suitable site lead worker during all work activities and to oversee all work by the contractor, subcontracted work and to interface with School District representatives. The lead worker will be responsible for ensuring safety of the site during active construction activities.

Contractor will be responsible for removing all existing equipment and disposing of in accordance with applicable regulatory bodies. Where applicable, materials should be recycled. Service must include installation, support during construction, warranty registration, owner training, technical support, and on-site warranty administration. During first 90 days of operation, contractor must have a qualified service technician to be able to respond by phone within 24 hours and to be onsite within two business days of request. If request for onsite support is determined to be due to user error or factors outside of warranty issues, the school district will reimburse the contractor four billable service hours at agreed upon rates. Labor rates for service calls must be included with proposals.

Contractor is responsible for ensuring compliance with all BOLI, OHSA and applicable federal, state, local and school district regulations during construction activities.

If any value added components not identified in this document can be provided, please provide additional information and pricing as applicable.

## **New Equipment Requirements**

All equipment provided must comply with all applicable Swimming Pool Codes and applicable trade codes (Plumbing, Electrical, HVAC, etc.). As built plans and equipment inventories must be provided along with all applicable manufacturer information. A schedule of all manufacturer recommended service for the first two years of operation must be included along with pricing based on product costs at time of submittal.

## **Plumbing Construction**

Required features of plumbing:

- All pipe, valves, fittings and components of the circulation system must be Schedule 80 PVC or higher grade unless different materials are called upon by equipment manufacturer (Flexible chemical feed lines, backwash actuation tubing, etc.)
- All Ball Valves must be a true union design for ease of serviceability
- Butterfly valves must be gear actuated unless approved by the District
- All valves must be labeled, and a key of normal valve positions must be provided
- All pipes must be labeled with flow direction.
- Plumbing redesign must connect to existing boiler heating system in accordance with applicable codes.

## **Filtration System**

Required features for sand filters:

- NSF listed for swimming pool facilities.
- Be sized to maintain filter media rate lower than 12.0 gpm/ft<sup>2</sup>
- Vessels must be corrosion-proof construction.
- Provided with crushed glass filter media and appropriate lateral supporting material
- A clear sight glass must be provided for backwashing
- Ability for user controlled backwash and for remote triggering by chemical automation controller

Please note that due to the nature of evolving technology for alternative filtration systems, the School District will consider proposals for alternate filtration systems. Due to varying specifications all alternatives must be NSF listed for swimming pool facilities, sized to meet minimum specified turnover requirements, and be built of corrosion-proof materials.

Contractor must include provisions to ensure backwash water can be handled by approved discharge means.

## **Circulation System**

Required features:

- Pumps must be NSF approved
- Pumps and Motors Sized appropriately to provide system flow of 475 gpm upon commissioning, when filters are clean, protective hair and lint strainers are clean, and all equipment operating as intended (Heaters, Supplemental UV, Chemical Feed) with VFD output of 55hz or less.
- Hair and lint strainer materials must be appropriately sized, corrosion proof, and easily serviceable. A qty. of 3 hair and lint baskets must be provided.
- Motors must be connected to appropriately sized variable frequency drive that is able to be controlled based off system flow rate.
- 3" Pressure and Vacuum gauges must be provided and appropriately installed in the system.
- Appropriate check valves must be provided on the discharge side of the pump.

## **Chemical Automation Controller**

Required features:

- NSF approved for swimming pool facilities.
- ORP Sensor, pH Sensor, Free Chlorine Sensor
- System Flow Meter Integration and monitoring
- Ability to send interrupt signals to Supplemental UV
- Ability for user configurable alarms via Email
- Ability for remote interface with the device

Approved brands include Prominent DCM 5 Series, BECS System 5 or other suitable alternatives approved by the owner.

## **Chlorine Feed System**

Required features:

- Must be NSF approved for swimming pool facilities.
- Must be adequately sized to for 138,000 gallon pool.
- Proposals for chlorine feed system must include product recommended, chemical cost, delivery logistics including warehousing location by supplier, contract term
- requirements if applicable, requirements for purchase and/or territory restrictions.

## **Carbon Dioxide Feed System**

Required features:

- Bulk tank system with all feed requirements for external fill by bulk delivery driver
- Tanks must be constructed of Stainless steel
- Proposals must include bulk tank, necessary plumbing and safety devices and feed delivery equipment capable of interfacing with chemical automation system.
- Proposals must include Carbon Dioxide leak detection systems

## **Ultraviolet Supplemental Disinfection System (Please provide as an option)**

Required features:

- NSF approved for swimming pool facilities.
- Proposed sizing must accommodate 60 mJ/cm<sup>3</sup> at full system flow
- Unit must be able to modulate power output dynamically

Approved brands include Prominent Dulcodes MP, Neptune Benson Wafer UV or other suitable alternatives approved by the owner.

## **SITE VISIT**

A voluntary site visit and project walk through will be held on Thursday, February 22 at 10 a.m. The pool entrance is located on the west side of Sweet Home High School, 1641 Long Street, Sweet Home, OR 97386.

## **PROPOSAL REQUIREMENTS**

Proposal must:

- Address each of the items listed in the General Scope of Work and all other requirements set forth in this document. Proposer shall describe the Goods to be provided or the Services to be performed or both.
- Include a list of similar projects the Contractor has completed
- Include warranty information
- Include the bid to complete the scope of work. The optional ultraviolet supplemental disinfection system bid should be listed separately.

Proposals are due no later than Monday, March 4, 2024 at 4 p.m.

Proposals shall either be submitted in a sealed envelope to Kevin Strong, Business Manager, Sweet Home School District, 1920 Long Street, Sweet Home, OR 97386 or be submitted by email to [kevin.strong@sweethome.k12.or.us](mailto:kevin.strong@sweethome.k12.or.us)

Attachments shall be less than 15 MB.

## **SELECTION & NOTIFICATION**

The winning contractor will be informed of the Board of Directors decision on or before March 13, 2024.

## **QUESTIONS**

Vendors are encouraged to forward any clarifying question regarding this project to:

Kevin Strong  
Business Manager  
Sweet Home School District  
1920 Long Street  
Sweet Home, OR 97386  
[kevin.strong@sweethome.k12.or.us](mailto:kevin.strong@sweethome.k12.or.us)