



PROFILE: WWTP IMPROVEMENTS - CITY OF FERNDALE

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JOIN THE WILSON TEAM



Staging Area for Major Upgrades at Ferndale Wastewater Treatment Plant

## WWTP IMPROVEMENTS - CITY OF FERNDALE, WA

One of our projects currently underway is the construction phase of the new Ferndale Wastewater Treatment Plant. Through implementation of the innovative and efficient design created by members of our wastewater engineering team, the City's lagoon system will be converted to an extended aeration activated sludge process. New treatment units include grit removal, mechanical fine screening (3 mm), two aeration basins, six positive displacement blowers, two 85' diameter clarifiers, high intensity ultraviolet disinfection, plant drain pump equipment, actuated weir gates for flow control, provisions for influent flow bypass storage (during peak flow events), and facilities for long-term biosolids storage and digestion. In addition, design includes a new 2W water reuse system and a new 3W water reuse system. Both systems are configured to provide water for mechanical screen spray wash, clarifier surface spray, and wash down stations. The total cost of

this facility upgrade project is \$35M. For comparison, a similar project recently completed in North Puget Sound that processes nearly the same volume of wastewater cost approximately \$150M. The staff at Wilson Engineering takes pride in producing exceptional results through economical designs. Our cost-effective approach to design is popular with clients, too.

Our team for this substantial project is led by Senior Project Manager Jeff Christner, P.E., and supported by Project Engineer Scott Wilson, P.E. Significant contributions were also made by Senior Structural Engineer Charles Waugh, P.E., S.E. A comprehensive 3D scan and aerial photogrammetric mapping of the site was performed by members of our Survey Division as part of the pre-design process. And our vigilant field inspection team overseeing construction on site includes Kenna Wurdan-Foster, P.E., and Steve Elliott. The contractor for this project is McClure and Sons, Inc. Questions relating to this project may be directed to [swilson@wilsonengineering.com](mailto:swilson@wilsonengineering.com).



## OPERATIONS AND AVAILABILITY

To all our clients, associates, vendors, and extended members of the Wilson Engineering family: We are maintaining an effective level of operations during this time of uncertainty relating to the COVID-19 pandemic. Measures have been taken to protect the health and safety of our staff while still achieving the goals of ongoing projects, as well as many more projects in development. Please contact us by email or phone with any questions or concerns relating to operations and availability. Our website at [www.wilsonengineering.com](http://www.wilsonengineering.com) contains contact information for staff. We greatly appreciate every one of our business relationships and look forward to continuing to deliver important services to our community both now and in the future. Take care and be well!



## STAFF UPDATES

Please join us in welcoming our newest members of the Wilson staff. Simon Marks-Franks recently joined our Survey Division as a Survey Technician, providing support for the survey crews in the field. Steve Elliott joined the inspection team in March and is currently assigned to inspect construction of the new Ferndale Wastewater Treatment Plant. Both Simon and Steve bring a depth of experience and knowledge to our field operations. Mallory Hood also joined our team as an engineering intern and brings a fresh perspective and positive attitude to the operation.

We also bid a fond farewell to Structural Engineer Charles Waugh, P.E., S.E., who retired at the end of March, and Julia Rice, EIT, who moved out of the area. Both of these staff were valued members of our team and will be greatly missed.



Redevelopment of historic Bellingham Waterfront District

## OUR SERVICES AT A GLANCE

Wilson Engineering is a consulting civil engineering and surveying firm with over 53 years of operations in the Pacific Northwest. Creating and restoring vital infrastructure for the public and private sectors is our specialty. Our highest priorities are technical excellence, personal service and professional integrity. Proactive problem solving by our dedicated group of civil engineers, as well as our land, hydrographic, and aerial surveyors, results in a highly experienced team of colleagues ready to address the diverse needs of our clients. [Learn More](#)



## JOIN THE WILSON TEAM

### **Project Engineer/Project Manager: Wastewater**

Are you a looking for a new opportunity? Want to move to a place where work/life balance is more than just a dream? Want to work for a medium-sized engineering firm that lives its values and commitment to excellence? Our experienced team of professionals is looking for new project engineers/managers.

**Wilson Engineering** is driven by our core values of Professional Excellence, Building Long Lasting Relationships, Trust, and Community Involvement. We are committed to our clients and our employees with continuous improvement and technical expertise. Since 1967, we have been a regional leader in civil engineering and land survey services.

**Wilson Engineering** is accepting applications for Project Engineers/Project Managers: Civil

Engineers to join our team in Bellingham, WA.

## **Why Wilson Engineering?**

- Doing ACTUAL hands on design and engineering projects while working for a medium sized engineering firm in a great place to live, work and play.
- Growth potential is significant and is based on your experience, abilities, and ambition.
- Our engineers and staff are team oriented and have a passion for creating projects that help our clients create a better, safer and more efficient community.
- We work on numerous projects throughout the Pacific Northwest from design to construction with public and private entities.
- You will see a variety of projects and assignments instead of being stuck on one multi-year project.
- We specialize in drinking water, wastewater, transportation, stormwater and structural engineering projects from start to finish using the state-of-the-art tools and design techniques.
- Team with enthusiastic and experienced engineers and staff.
- Generous benefits, competitive salary and bonuses.
- A connection to our community through volunteering, activities and philanthropic outreach.
- You have a unique opportunity for significant professional growth within a well-established, growing, professional engineering firm.

Join our experienced team of civil engineers, surveyors, inspectors and GIS specialists who are well respected by their peers, clients and regulatory agencies. Our highest priorities are technical and professional excellence, proactive problem solving, personalized service, teamwork and fun.

## **Past Clients include:**

- Public Utilities
- Counties, Cities and Municipalities
- Sewer and water districts and homeowner associations
- Private companies
- Schools and other institutions
- Industrial and commercial property owners
- Tribes

For a list of representative projects, which are too numerous to show here, please visit our website:

**[WilsonEngineering.com](http://WilsonEngineering.com)**

## **What we are looking for from you:**

- Degree in Engineering
- Washington State PE is preferred
- Experience in engineering wastewater systems
- Experience designing wastewater treatment systems is preferred
- AutoCAD 3D experience preferred
- A desire to be a part of a team, learn daily, and have fun doing what you love to do: making a difference in our community

## **Some of the responsibilities of the position:**

- Engineering design and/or project management for a wide variety of municipal wastewater treatment and conveyance systems involving treatment, water reclamation, pump stations, and sewer rehabilitation
- Planning, evaluation and selection of preferred wastewater conveyance and treatment alternatives
- Conceptual and detailed design calculations and analyses

- Detailed engineering reports and supporting documents
- Construction drawings, specifications and cost estimates
- General civil engineering design
- Contractor and owner communication and problem solving

**Compensation:** Competitive salary and bonus program

**Benefits:** Health Insurance, Generous Vacation plan, SIMPLE IRA Match, Family Medical Leave, and ownership potential for long-term employees

**Want to learn more?** Check out our website: [WilsonEngineering.com](http://WilsonEngineering.com)

**Call or e-mail us:** 360-733-6100 (ask for Andy Law: President) or [info@WilsonEngineering.com](mailto:info@WilsonEngineering.com)

*STAY CONNECTED*



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For more information about our civil engineering and surveying services, please contact us at 360.733.6100 or [info@wilsonengineering.com](mailto:info@wilsonengineering.com).

Wilson Engineering has provided innovative and economical solutions to clients throughout the Pacific Northwest since 1967.