



September 4, 2025

BCC Agenda Date/Item: _____

Board of County Commissioners
Acting as the governing body of Water Environment Services
Clackamas County

Approval of a Personal Services Contract with Century West Engineering Corporation for on-call engineering services. Contract Value is \$1,000,000 for 5 years. Funding is through Water Environment Services Construction Fund and Operating Fund. No County General Funds are involved.

Previous Board Action/Review	N/A		
Performance Clackamas	1. This project supports the WES Strategic Plan Goal to strategically plan and execute capital projects to meet the growth, reliability, and regulatory needs of our service area at the lowest-life cycle cost. 2. This project supports the County's Strategic Priorities of Strong Infrastructure, Vibrant Economy, and Safe, Secure and Livable Communities.		
Counsel Review	Yes	Procurement Review	Yes
Contact Person	Jeff Stallard	Contact Phone	503-742-4694

EXECUTIVE SUMMARY: WES frequently encounters unanticipated projects and urgent engineering needs that arise outside of the annual planning and capital improvement process. These can include emergency repair design, regulatory compliance support, specialty technical analysis, and smaller capital or operational projects.

Under the current procurement process, engaging engineering services for these smaller or urgent projects often requires repetitive contracting efforts, which can be time-consuming and delay project delivery. Establishing on-call contracts will allow WES to streamline procurement, improve efficiency, and ensure timely response to our needs.

We conducted a competitive solicitation process to identify qualified engineering firms capable of providing services in four categories, Wastewater Conveyance and Treatment Engineering, Water Resources Engineering, Engineering Construction Services, and Wastewater Process Engineering and Operational Support. Work in these categories will include a wide range of services, including planning, design, permitting, and construction support. Multiple firms were selected to ensure adequate availability,

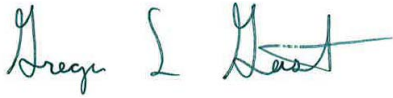
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specialized expertise, and competitive pricing.

The on-call contracts do not obligate funding at the time of award. Task orders issued under these contracts will be funded through approved operating or capital project budgets.

RECOMMENDATION: Staff recommends that the Board of County Commissioners of Clackamas County, acting as the governing body of Water Environment Services, approve Contract #1282 with Century West Engineering Corporation for engineering on-call services.

Respectfully submitted,

A handwritten signature in blue ink, appearing to read "Greg Geist", with a stylized flourish extending to the right.

Greg Geist
Director, WES

Attachment: Contract #1282 Century West Engineering Corporation



**WATER ENVIRONMENT SERVICES
PERSONAL SERVICES CONTRACT
Contract # 0000001282**

This Personal Services Contract (this "Contract") is entered into between Century West Engineering Corporation ("Contractor"), and Water Environment Services, an intergovernmental entity formed pursuant to ORS Chapter 190 ("District").

ARTICLE I.

- 1. Effective Date and Duration.** This Contract shall become effective upon signature of both parties. Unless earlier terminated or extended, this Contract shall expire on **June 30, 2030**.
- 2. Scope of Work.** Contractor shall provide On-Call Engineering Services ("Work"), further described in **Exhibit A**. The Contractor is approved to provide services for the following classes of Work:
 - ☒ 1) Wastewater Conveyance and Treatment Engineering
 - ☐ 2) Water Resources Engineering
 - ☐ 3) Engineering Construction Services
 - ☐ 4) Wastewater Process Engineering and Operational Support

This Contract is on an "on-call" or "as-needed basis" for Work.

When the District wishes Contractor to perform the Work, the District will submit an official Clackamas District Task Order form (found at: <https://www.clackamas.us/finance/terms.html>) detailing the scope of Work, the entity on whose behalf the Work will be performed, and the total compensation, pursuant to the fee schedule set forth in this Contract. Contractor may not perform Work until the County Task Order form has been executed by the parties. In the event a project authorized under the County Task Order extends beyond the expiration of this Contract, the County Task Order shall remain in effect under the terms of this Contract until the completion or expiration of the authorized task.

No task order shall modify or amend the terms and conditions of this Contract.

- 3. Consideration.** The District agrees to pay Contractor, from available and authorized funds, a sum not to exceed **one million dollars (\$1,000,000.00)** for accomplishing the Work required by this Contract. Because this is an on-call or as-needed contract, and the exact amount of Work needed, if any, is unknown, nothing herein shall be construed as a promise to pay Contractor the full \$1,000,000.00 authorized herein. Consideration rates are on a time and materials basis in accordance with the rates and costs specified in Exhibit A. If any interim payments to Contractor are made, such payments shall be made only in accordance with the schedule and requirements in Exhibit A.
- 4. Invoices and Payments.** Unless otherwise specified, Contractor shall submit monthly invoices for Work performed. Invoices shall describe all Work performed with particularity, by whom it was performed, and shall itemize and explain all expenses for which reimbursement is claimed. The invoices shall include the total amount billed to date by Contractor prior to the current invoice. If Contractor fails to present invoices in proper form within sixty (60) calendar days after the end of the month in which the services were rendered, Contractor waives any rights to present such invoice thereafter and to receive payment therefor. Payments shall be made in accordance with ORS 293.462 to Contractor following the District's review and approval of invoices submitted by Contractor. Contractor shall not submit invoices for, and the District will not be obligated to pay, any amount in excess of the maximum compensation amount set forth above. If this maximum compensation

amount is increased by amendment of this Contract, the amendment must be fully effective before Contractor performs Work subject to the amendment.

Invoices shall reference the above Contract Number and be submitted to: Wes-Payables@clackamas.us

5. Travel and Other Expense. Authorized: ☐ Yes ☒ No

If travel expense reimbursement is authorized in this Contract, such expense shall only be reimbursed at the rates in the Clackamas County Contractor Travel Reimbursement Policy, hereby incorporated by reference and found at: <https://www.clackamas.us/finance/terms.html>. Travel expense reimbursement is not in excess of the not to exceed consideration.

6. Contract Documents. This Contract consists of the following documents, which are listed in descending order of precedence and are attached and incorporated by reference, this Contract, Exhibit A, and Exhibit B. Unless explicitly agreed to by the parties in this Contract, any additional terms and conditions that may be contained in Exhibit A are void.

7. Contractor and District Contacts.

Contractor	District
Administrator: Rawley Voorhies, PE Phone: 503-419-2130 Email: rvoorhies@centurywest.com	Administrator: TDB Phone: Email:

Payment information will be reported to the Internal Revenue Service (“IRS”) under the name and taxpayer ID number submitted. (See I.R.S. 1099 for additional instructions regarding taxpayer ID numbers.) Information not matching IRS records will subject Contractor payments to backup withholding.

ARTICLE II.

- 1. Access to Records.** Contractor shall maintain books, records, documents, and other evidence, in accordance with generally accepted accounting procedures and practices, sufficient to reflect properly all costs of whatever nature claimed to have been incurred and anticipated to be incurred in the performance of this Contract. District and their duly authorized representatives shall have access to the books, documents, papers, and records of Contractor, which are directly pertinent to this Contract for the purpose of making audit, examination, excerpts, and transcripts. Contractor shall maintain such books and records for a minimum of six (6) years, or such longer period as may be required by applicable law, following final payment and termination of this Contract, or until the conclusion of any audit, controversy or litigation arising out of or related to this Contract, whichever date is later.
- 2. Availability of Future Funds.** Any continuation or extension of this Contract after the end of the fiscal period in which it is written is contingent on a new appropriation for each succeeding fiscal period sufficient to continue to make payments under this Contract, as determined by the District in its sole administrative discretion.
- 3. Captions.** The captions or headings in this Contract are for convenience only and in no way define, limit, or describe the scope or intent of any provisions of this Contract.
- 4. Compliance with Applicable Law.** Contractor shall comply with all applicable federal, state and local laws, regulations, executive orders, and ordinances, as such may be amended from time to time.

5. **Counterparts.** This Contract may be executed in several counterparts (electronic or otherwise), each of which shall be an original, all of which shall constitute the same instrument.
6. **Governing Law.** This Contract, and all rights, obligations, and disputes arising out of it, shall be governed and construed in accordance with the laws of the State of Oregon and the ordinances of Clackamas County without regard to principles of conflicts of law. Any claim, action, or suit between District and Contractor that arises out of or relates to the performance of this Contract shall be brought and conducted solely and exclusively within the Circuit Court for Clackamas County, for the State of Oregon. Provided, however, that if any such claim, action, or suit may be brought in a federal forum, it shall be brought and conducted solely and exclusively within the United States District Court for the District of Oregon. In no event shall this section be construed as a waiver by the District of any form of defense or immunity, whether sovereign immunity, governmental immunity, immunity based on the Eleventh Amendment to the Constitution of the United States or otherwise, from any claim or from the jurisdiction of any court. Contractor, by execution of this Contract, hereby consents to the personal jurisdiction of the courts referenced in this section.
7. **Indemnity, Responsibility for Damages.** Contractor shall be responsible for all damage to property, injury to persons, and loss, expense, inconvenience, and delay which may be caused by, or result from, any act, omission, or neglect of Contractor, its subcontractors, agents, or employees. The Contractor agrees to indemnify and defend the District and Clackamas County, and their officers, elected officials, agents and employees from and against all claims, actions, losses, liabilities, including reasonable attorney and accounting fees, and all expenses incidental to the investigation and defense thereof, arising out of or based upon Contractor's acts or omissions in performing under this Contract. Provided, however, that pursuant to ORS 30.140(4), Contractor's duty to defend obligations arising from or related to Contractor's professional negligence, or related to professional services provided by Contractor, are limited to reimbursement of reasonable defense costs (including reasonable attorney fees) of District and Clackamas County in an amount not to exceed the proportionate fault of Contractor, as determined by adjudication, alternative dispute resolution, or otherwise resolved by settlement agreement.
- However, neither Contractor nor any attorney engaged by Contractor shall defend the claim in the name of District or Clackamas County ("County"), purport to act as legal representative of District or County, or settle any claim on behalf of District or County, without the approval of the Clackamas County Counsel's Office. District or County may assume their own defense and settlement at their election and expense.
8. **Independent Contractor Status.** The service(s) to be rendered under this Contract are those of an independent contractor. Although the District reserves the right to determine (and modify) the delivery schedule for the Work to be performed and to evaluate the quality of the completed performance, District cannot and will not control the means or manner of Contractor's performance. Contractor is responsible for determining the appropriate means and manner of performing the Work. Contractor is not to be considered an agent or employee of District for any purpose, including, but not limited to: (A) The Contractor will be solely responsible for payment of any Federal or State taxes required as a result of this Contract; and (B) This Contract is not intended to entitle the Contractor to any benefits generally granted to District employees, including, but not limited to, vacation, holiday and sick leave, other leaves with pay, tenure, medical and dental coverage, life and disability insurance, overtime, Social Security, Workers' Compensation, unemployment compensation, or retirement benefits.
9. **Insurance.** Contractor shall secure at its own expense and keep in effect during the term of the performance under this Contract the insurance required and minimum coverage indicated below. The insurance requirements outlined below do not in any limit the amount of scope of liability of Contractor under this Contract. Contractor shall provide proof of said insurance and name the District

and Clackamas County as an additional insureds on all required liability policies. Proof of insurance and notice of any material change should be submitted to the following address: Clackamas County Procurement Division, 2051 Kaen Road, Oregon City, OR 97045 or the County Contract Analyst.

Required - Workers Compensation: Contractor shall comply with the statutory workers' compensation requirements in ORS 656.017, unless exempt under ORS 656.027 or 656.126.
☒ Required – Commercial General Liability: combined single limit, or the equivalent, of not less than \$1,000,000 per claim, with an annual aggregate limit of \$2,000,000 for Bodily Injury and Property Damage.
☒ Required – Professional Liability: combined single limit, or the equivalent, of not less than \$1,000,000 per occurrence, with an annual aggregate limit of \$2,000,000 for damages caused by error, omission or negligent acts.
☒ Required – Automobile Liability: combined single limit, or the equivalent, of not less than \$1,000,000 per accident for Bodily Injury and Property Damage.

The policy(s) shall be primary insurance as respects to the District. Any insurance or self-insurance maintained by the District shall be excess and shall not contribute to it. Any obligation that District agree to a waiver of subrogation is hereby stricken.

- 10. Limitation of Liabilities.** This Contract is expressly subject to the debt limitation of Oregon counties set forth in Article XI, Section 10, of the Oregon Constitution, and is contingent upon funds being appropriated therefore. Any provisions herein which would conflict with law are deemed inoperative to that extent. Except for liability arising under or related to Article II, Section 13 or Section 20 neither party shall be liable for (i) any indirect, incidental, consequential or special damages under this Contract or (ii) any damages of any sort arising solely from the termination of this Contract in accordance with its terms.
- 11. Notices.** Except as otherwise provided in this Contract, any required notices between the parties shall be given in writing by personal delivery, email, or mailing the same, to the Contract Administrators identified in Article 1, Section 6. If notice is sent to District, a copy shall also be sent to: Clackamas County Procurement, 2051 Kaen Road, Oregon City, OR 97045. Any communication or notice so addressed and mailed shall be deemed to be given five (5) days after mailing, and immediately upon personal delivery, or within 2 hours after the email is sent during District's normal business hours (Monday – Thursday, 7:00 a.m. to 6:00 p.m.) (as recorded on the device from which the sender sent the email), unless the sender receives an automated message or other indication that the email has not been delivered.
- 12. Ownership of Work Product.** All work product of Contractor that results from this Contract (the "Work Product") is the exclusive property of District. District and Contractor intend that such Work Product be deemed "work made for hire" of which District shall be deemed the author. If for any reason the Work Product is not deemed "work made for hire," Contractor hereby irrevocably assigns to District all of its right, title, and interest in and to any and all of the Work Product, whether arising from copyright, patent, trademark or trade secret, or any other state or federal intellectual property law or doctrine. Contractor shall execute such further documents and instruments as District may reasonably request in order to fully vest such rights in District. Contractor forever waives any and all rights relating to the Work Product, including without limitation, any and all rights arising under 17 USC § 106A or any other rights of identification of authorship or rights of approval, restriction or limitation on use or subsequent modifications. Notwithstanding the above, District shall have no rights in any pre-existing Contractor intellectual property provided to District by Contractor in the performance of this Contract except to copy, use and re-use any such Contractor intellectual property for District use only.

- 13. Representations and Warranties.** Contractor represents and warrants to District that (A) Contractor has the power and authority to enter into and perform this Contract; (B) this Contract, when executed and delivered, shall be a valid and binding obligation of Contractor enforceable in accordance with its terms; (C) Contractor shall at all times during the term of this Contract, be qualified, professionally competent, and duly licensed to perform the Work; (D) Contractor is an independent contractor as defined in ORS 670.600; and (E) the Work under this Contract shall be performed in accordance with the standard of professional skill and care required for a project of similar size, location, scope, and complexity, during the time in which the Work is being performed. The warranties set forth in this section are in addition to, and not in lieu of, any other warranties provided. The Contractor shall be responsible for the technical accuracy of its services and documents resulting therefrom, and District shall not be responsible for discovering deficiencies therein. The Contractor shall correct such deficiencies without additional compensation except to the extent such action is directly attributable to deficiencies in information furnished by the District.
- 14. Survival.** All rights and obligations shall cease upon termination or expiration of this Contract, except for the rights and obligations set forth in Article II, Sections 1, 6, 7, 10, 12, 13, 14, 15, 17, 20, 21, 25, 27, 28 and 32, and all other rights and obligations which by their context are intended to survive. However, such expiration shall not extinguish or prejudice the District's right to enforce this Contract with respect to: (a) any breach of a Contractor warranty; or (b) any default or defect in Contractor performance that has not been cured.
- 15. Severability.** If any term or provision of this Contract is declared by a court of competent jurisdiction to be illegal or in conflict with any law, the validity of the remaining terms and provisions shall not be affected, and the rights and obligations of the parties shall be construed and enforced as if the Contract did not contain the particular term or provision held to be invalid.
- 16. Subcontracts and Assignments.** Contractor shall not enter into any subcontracts for any of the Work required by this Contract, or assign or transfer any of its interest in this Contract by operation of law or otherwise, without obtaining prior written approval from the District, which shall be granted or denied in the District's sole discretion. In addition to any provisions the District may require, Contractor shall include in any permitted subcontract under this Contract a requirement that the subcontractor be bound by this Article II, Sections 1, 7, 8, 13, 16, and 27 as if the subcontractor were the Contractor. District's consent to any subcontract shall not relieve Contractor of any of its duties or obligations under this Contract.
- 17. Successors in Interest.** The provisions of this Contract shall be binding upon and shall inure to the benefit of the parties hereto, and their respective authorized successors and assigns.
- 18. Tax Compliance Certification.** The Contractor shall comply with all federal, state and local laws, regulation, executive orders and ordinances applicable to this Contract. Contractor represents and warrants that it has complied, and will continue to comply throughout the duration of this Contract and any extensions, with all tax laws of this state or any political subdivision of this state, including but not limited to ORS 305.620 and ORS chapters 316, 317, and 318. Any violation of this section shall constitute a material breach of this Contract and shall entitle District to terminate this Contract, to pursue and recover any and all damages that arise from the breach and the termination of this Contract, and to pursue any or all of the remedies available under this Contract or applicable law.
- 19. Termination.** This Contract may be terminated for the following reasons: (A) by mutual agreement of the parties or by the District (i) for convenience upon thirty (30) days written notice to Contractor, or (ii) at any time the District fails to receive funding, appropriations, or other expenditure authority as solely determined by the District; or (B) if Contractor breaches any Contract provision or is declared insolvent, District may terminate after thirty (30) days written notice with an opportunity to cure.

Upon receipt of written notice of termination from the District, Contractor shall immediately stop performance of the Work. Upon termination of this Contract, Contractor shall deliver to District all documents, Work Product, information, works-in-progress and other property that are or would be deliverables had the Contract Work been completed. Upon District's request, Contractor shall surrender to anyone District designates, all documents, research, objects or other tangible things needed to complete the Work.

- 20. Remedies.** If terminated by the District due to a breach by the Contractor, then the District shall have any remedy available to it in law or equity. If this Contract is terminated for any other reason, Contractor's sole remedy is payment for the goods and services delivered and accepted by the District, less any setoff to which the District is entitled.
- 21. No Third Party Beneficiaries.** District and Contractor are the only parties to this Contract and are the only parties entitled to enforce its terms. Nothing in this Contract gives, is intended to give, or shall be construed to give or provide any benefit or right, whether directly, indirectly or otherwise, to third persons unless such third persons are individually identified by name herein and expressly described as intended beneficiaries of the terms of this Contract.
- 22. Time is of the Essence.** Contractor agrees that time is of the essence in the performance this Contract.
- 23. Foreign Contractor.** If the Contractor is not domiciled in or registered to do business in the State of Oregon, Contractor shall promptly provide to the Oregon Department of Revenue and the Secretary of State, Corporate Division, all information required by those agencies relative to this Contract. The Contractor shall demonstrate its legal capacity to perform these services in the State of Oregon prior to entering into this Contract.
- 24. Force Majeure.** Neither District nor Contractor shall be held responsible for delay or default caused by events outside the District or Contractor's reasonable control including, but not limited to, fire, terrorism, riot, acts of God, or war. However, Contractor shall make all reasonable efforts to remove or eliminate such a cause of delay or default and shall upon the cessation of the cause, diligently pursue performance of its obligations under this Contract.
- 25. Waiver.** The failure of District to enforce any provision of this Contract shall not constitute a waiver by District of that or any other provision.
- 26. Public Contracting Requirements.** Pursuant to the public contracting requirements contained in Oregon Revised Statutes ("ORS") Chapter 279B.220 through 279B.235, Contractor shall:
- a. Make payments promptly, as due, to all persons supplying to Contractor labor or materials for the prosecution of the work provided for in the Contract.
 - b. Pay all contributions or amounts due the Industrial Accident Fund from such Contractor or subcontractor incurred in the performance of the Contract.
 - c. Not permit any lien or claim to be filed or prosecuted against District on account of any labor or material furnished.
 - d. Pay the Department of Revenue all sums withheld from employees pursuant to ORS 316.167.
 - e. As applicable, the Contractor shall pay employees for work in accordance with ORS 279B.235, which is incorporated herein by this reference. The Contractor shall comply with the prohibitions set forth in ORS 652.220, compliance of which is a material element of this Contract, and failure to comply is a breach entitling District to terminate this Contract for cause.
 - f. If the Work involves lawn and landscape maintenance, Contractor shall salvage, recycle, compost, or mulch yard waste material at an approved site, if feasible and cost effective.

27. No Attorney Fees. In the event any arbitration, action or proceeding, including any bankruptcy proceeding, is instituted to enforce any term of this Contract, each party shall be responsible for its own attorneys' fees and expenses.

28. Reserved.

29. Reserved.

30. Key Persons. Contractor acknowledges and agrees that a significant reason the District is entering into this Contract is because of the special qualifications of certain Key Persons set forth in the contract. Under this Contract, the District is engaging the expertise, experience, judgment, and personal attention of such Key Persons. Neither Contractor nor any of the Key Persons shall delegate performance of the management powers and responsibilities each such Key Person is required to provide under this Contract to any other employee or agent of the Contractor unless the District provides prior written consent to such delegation. Contractor shall not reassign or transfer a Key Person to other duties or positions such that the Key Person is no longer available to provide the District with such Key Person's services unless the District provides prior written consent to such reassignment or transfer.

31. Reserved.

32. Merger. THIS CONTRACT CONSTITUTES THE ENTIRE AGREEMENT BETWEEN THE PARTIES WITH RESPECT TO THE SUBJECT MATTER REFERENCED THEREIN. THERE ARE NO UNDERSTANDINGS, AGREEMENTS, OR REPRESENTATIONS, ORAL OR WRITTEN, NOT SPECIFIED HEREIN REGARDING THIS CONTRACT. NO AMENDMENT, CONSENT, OR WAIVER OF TERMS OF THIS CONTRACT SHALL BIND EITHER PARTY UNLESS IN WRITING AND SIGNED BY ALL PARTIES. ANY SUCH AMENDMENT, CONSENT, OR WAIVER SHALL BE EFFECTIVE ONLY IN THE SPECIFIC INSTANCE AND FOR THE SPECIFIC PURPOSE GIVEN. CONTRACTOR, BY THE SIGNATURE HERETO OF ITS AUTHORIZED REPRESENTATIVE, IS AN INDEPENDENT CONTRACTOR, ACKNOWLEDGES HAVING READ AND UNDERSTOOD THIS CONTRACT, AND CONTRACTOR AGREES TO BE BOUND BY ITS TERMS AND CONDITIONS.

By their signatures below, the parties to this Contract agree to the terms, conditions, and content expressed herein.

Century West Engineering Corporation

Water Environment Services



5/27/2025

Authorized Signature

Date

Signature

Date

Joseph Roshak, President

Name / Title (Printed)

Name: _____

Title: _____

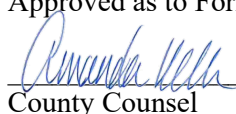
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Oregon Business Registry #

Approved as to Form:

DBC/Oregon

Entity Type / State of Formation


County Counsel

6/26/2025

Date

EXHIBIT A
RFP 2025-01
Water Environment Services Engineering Master Contract
On-Call Engineering Services
Published January 27, 2025

EXHIBIT B
CONTRACTOR'S PROPOSAL

Request for Proposals #2025-01

Clackamas County Water Environment Services On-Call Engineering Services

February 20, 2025

Ryan Rice, Contract Analyst
Clackamas County
Submitted via BidLocker



RE: ON-CALL ENGINEERING SERVICES FOR CATEGORY 1 WASTEWATER CONVEYANCE & TREATMENT ENGINEERING

Dear Selection Committee Members,

Century West Engineering Corporation (Century West) has been working with Clackamas County Water Environment Services (WES) since 1996 on projects ranging from thousands of feet of new sanitary sewer design and construction to smaller projects like the ongoing Mt. Talbert MTA Pipe Realignment project that will replace failing sewer infrastructure beneath Mt. Scott Creek. We are an excellent fit to continue working with WES to deliver **Category 1: Wastewater Conveyance and Treatment Engineering** services because we bring:

A project manager with nearly 30 years of WES experience. Ron Weigel, PE has worked on upward of 30 direct appoint projects for WES while at Century West. His understanding of and investment in WES' vision of being "a collaborative partner in building a resilient clean water future" is unparalleled.

Significant design team capacity. Ron will be supported by a team of project managers, project engineers, and engineers-in-training in our 35-person Lake Oswego office. Our entire local team is committed to continuing to deliver the responsive, high-quality service you have come to expect from Ron and Century West.

Flexible, responsive service. Century West has more than 50 on-call contracts for similar services throughout the Pacific Northwest. We understand that projects issued under on-call agreements typically require us to get up to speed quickly so that we can accurately scope your project, understand its potential challenges, and get moving on a solution.

Ron Weigel, PE, will be the primary point of contact for this on-call agreement. As a Vice President with Century West, Rawley Voorhies, PE, is authorized to negotiate and sign any contracts that may result. Our Statement of Qualifications (SOQ) is valid for a period of 90 days. We look forward to hearing from you.

Sincerely,

CENTURY WEST ENGINEERING CORPORATION

A handwritten signature in black ink, appearing to read "Ron Weigel".

Ron Weigel, PE
Project Manager
rweigel@centurywest.com
phone 503.419.2136
fax 503.639.2710

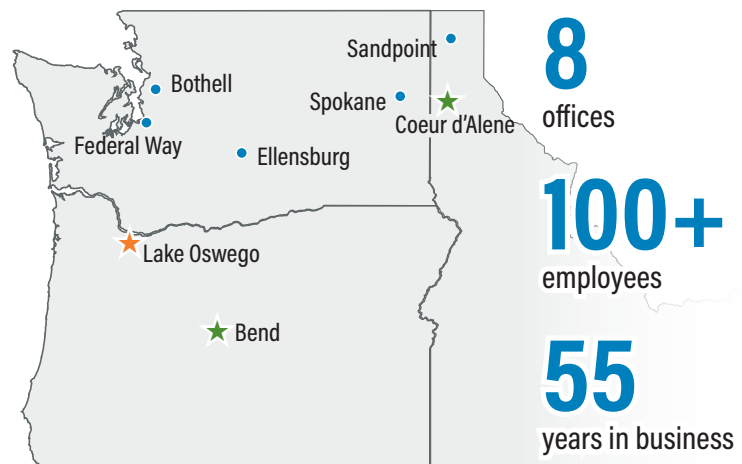
A handwritten signature in black ink, appearing to read "Rawley Voorhies".

Rawley Voorhies, PE
Contract Manager
rvoorhies@centurywest.com
phone 503.419.2132
fax 503.639.2710

5.3 FIRM RESOURCES

About Century West

As a civil engineering and planning company focused on improving the communities we serve, Century West works with clients and staff who share our values of providing caring, creative, and collaborative public infrastructure design solutions. Century West was founded in Bend, Oregon, in 1969 and has grown to offer wastewater, stormwater, water, transportation, and electrical services from eight Pacific Northwest offices. Our engineers, planners, and professional support staff understand that trust and quality are the foundation for building successful long-term relationships with clients, teaming partners, stakeholders, and the public.



★ Primary office ★ Support offices

Local & Firm-wide Staff Resources

	Lake Oswego Office	Firm-Wide
Principals	2	6
Project Managers	7	23
Project Engineers	6	16
Technicians & EITs	8	43
Administrative	12	16
Total	35	104

On-call Engineering Expertise

One of Century West's primary business functions is acting as the on-call engineer for cities and counties. A key strength that sets Century West apart is our wealth of experience working on small projects with tight budgets, timelines, and occupancy/use constraints. Century West currently serves as the on-call engineer for more than 50 clients. Our focus for the last 55+ years has been helping communities and public agencies complete infrastructure improvement projects.



Wastewater Engineering Services

- Conveyance System Improvements & Upgrades
- Lift Station Design & Analysis
- Sewer Studies
- Treatment & Disposal
- Control Systems
- Regulatory Agency Coordination
- Grant Administration
- Public Outreach
- Developer Plan Reviews
- Construction Inspection & Management



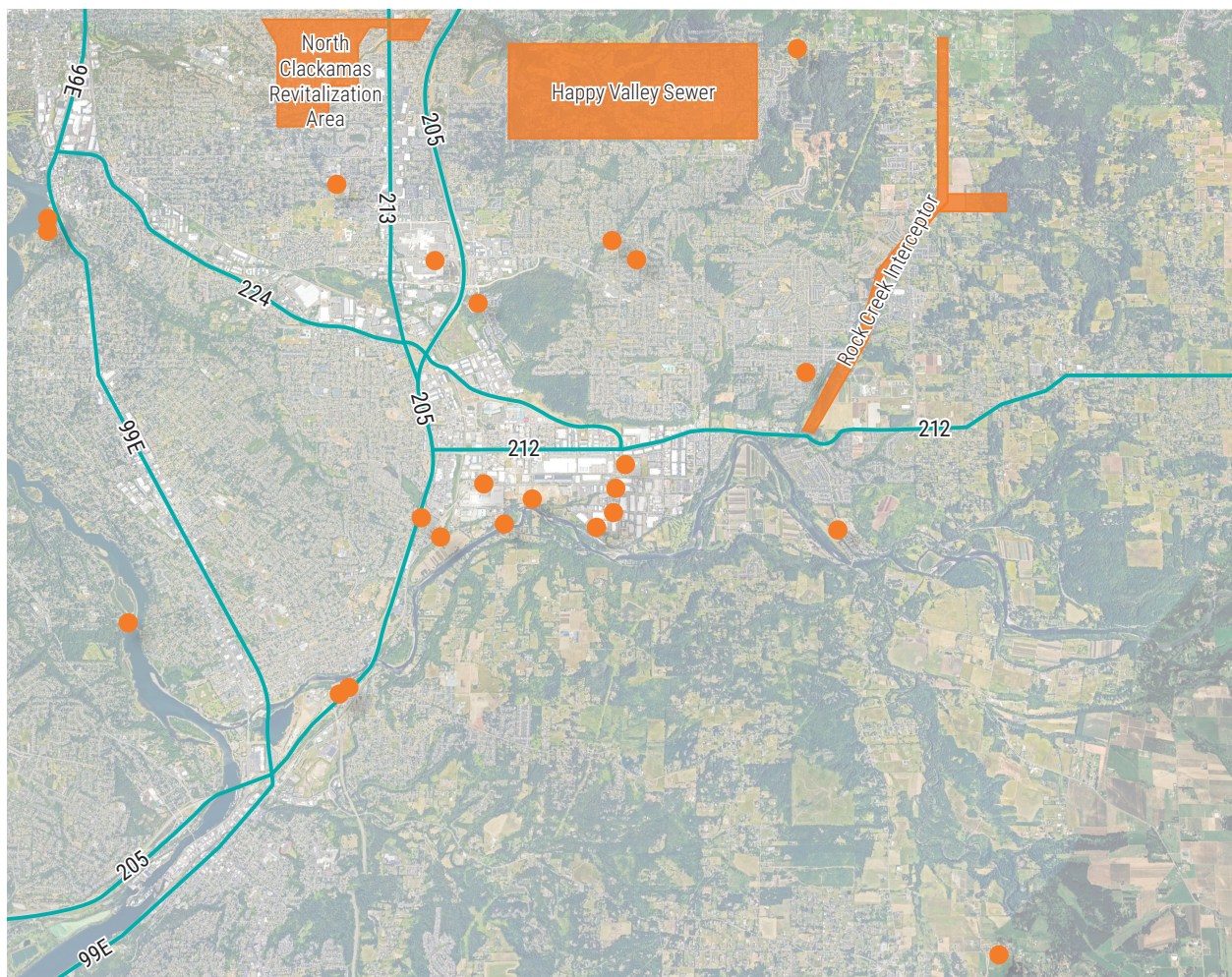
5.4 LOCAL EXPERIENCE

WES Experience

The graphic below shows the locations of projects Century West has worked on for WES from 1996 to the present. This represents nearly 40 projects and task orders and over 100,000 linear feet of wastewater conveyance, pump station design and rehabilitation, equipment procurement, construction management, and other services.

Following the graphic are brief summaries of our most recent projects with WES that highlight our ability to provide a diverse range of services for your wastewater conveyance and treatment engineering needs.

Century West Projects with WES





Rock Creek Interceptor Extension

Status: Ongoing

This project involves a multi-phased extension of the Rock Creek Interceptor for future growth in portions of Happy Valley, Pleasant Valley, and North Carver. Phase 1 Alignment Evaluation and Preliminary Design will be completed in early 2025, Phase 2 Final Design is to be completed by early 2026, and Phase 3 Construction will start in 2027. Century West was selected for the project in early 2024 in part due to Project Manager Ron Weigel's previous experience delivering design of over 12,000 LF of pipe for an earlier phase in the early 2000s. For the current effort, the northerly extension includes approximately 10,500 LF of 12- to 24-inch pipe and the east extension includes approximately 2,500 LF of 12-inch pipe.

Mt. Talbert Sewer Realignment

Status: Ongoing

The Mt. Talbert Sewer Realignment project included evaluation of alternative alignments and construction methods to install a new sewer to the south of Mt. Scott Creek by abandoning a segment of pipe beneath the stream installed in the early 2000s that recently failed. An emergency repair was made by field staff allowing the pipe to remain in place while the alignment evaluation and design was completed and approved by WES. Construction is anticipated in the second half of 2025.



82nd Drive Force Main Rehabilitation

Status: Ongoing

This project included evaluation of alternative trenchless construction methods to install a new sanitary sewer pipe within an existing 12-inch steel casing approximately 2,100 ft in length that was initially slip-lined with a 10-inch HDPE pipe in the early 2000s. A new 12-inch pressure cured-in-place pipe (CIPP) installation will be provided within the steel casing following removal of the existing HDPE pipe while flows are diverted to the Kellogg Creek Water Resource Recovery Facility during the summer of 2025.

Mapleton Pump Station

Status: Completed 2023

Century West provided design for a second bioxide tank located outside the existing pump station on a new concrete slab. Our work included piping to connect to the interior system.

Fisher's Forest Park Sewer Improvements

Status: Completed 2022

The Fisher's Forest Park Sewer Improvements project, located in east Clackamas County, includes the replacement of approximately 1,000 LF of 8-inch main line sanitary sewer by open cut methods and 175 feet of 8-inch main line sanitary sewer through pipe bursting. Individual service laterals from the new main were also replaced to within 5 feet of the exterior of 26 private residents using the system.



Pacific Northwest Experience

In addition to our experience with WES, Century West provides wastewater design services to dozens of clients every year throughout Oregon, Washington, and North Idaho. The next two pages contain project descriptions and references for representative projects completed in the last five years.

RIVERCREST SEWER REHABILITATION, PHASES 1-4 City of Oregon City

Century West completed condition assessment, design, and construction management for this project that was delivered in multiple phases:

Phase 1: 7,500 LF of rehabilitation of 6-inch to 10-inch sewer main line using steam cure CIPP and manhole rehabilitation.

Phase 2: an emergency repair that used 300 LF of horizontal directional drilling of 8-inch HDPE to replace an existing 4-inch mainline within backyards and avoid removing heritage trees.

Phase 3: 7,500 LF of pipe bursting and open-cut construction of sewer main lines ranging from 8 to 12 inches. Rehabilitated over 200 public laterals using steam cure CIPP, pipe bursting, and open trench methods.

Phase 4: 1,000 LF of CIPP and open-cut mainline and 12,000 LF of open-cut, UV cure, CIPP, and pipe burst private lateral replacement for 245 properties.

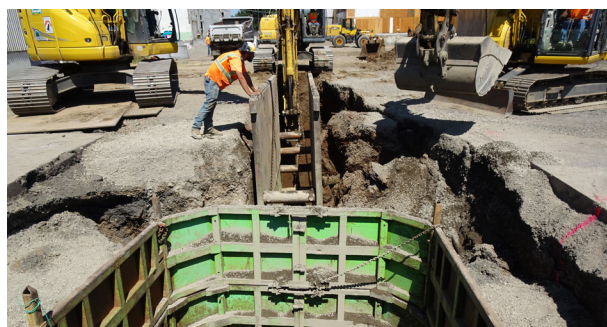
Century West provided construction inspection on phases 1-3, and construction oversight, including survey stakeout and managing observation duties to verify compliance with the specifications for monthly payments. Construction on Phase 4 is ongoing with Century West providing construction management. The improvements required coordination with multiple agencies, including ODOT, Clackamas County, Oregon City School District, and adjoining utility districts.

REFERENCE

Dayna Webb, PE | 503.657.0891
dwebb@orcify.org

STARK & BUCKMAN EAST RECONSTRUCT & GREEN STREETS Portland Bureau of Environmental Services

Century West completed design for the Stark & Buckman East Reconstruction & Green Streets project for the City of Portland Bureau of Environmental Services (BES). This project entailed various tasks, including the replacement and rehabilitation of 25,000 LF of sewer and storm piping ranging from 8-inch to 24-inch diameter, as well as the installation of 480 services using over 9,500 LF of 6-inch diameter lateral pipe. Additionally, 150 manholes were replaced or rehabilitated, with sizes ranging from 48 inches to 84 inches. The project also featured 70 stormwater planter facilities designed to improve water quality and quantity and updated 95 individual curb ramps to meet ADA requirements. Century West used both CIPP and conventional open-trench methods during the installation process and actively created public involvement materials, attended open house events, and communicated one-on-one with property owners regarding the stormwater planter facilities. Construction will wrap up in 2025.



REFERENCE

Brandon Wilson, PE | 503.823.7786
brandon.wilson@portlandoregon.gov



WHEELER BASIN SEWER REHABILITATION

Portland Bureau of Environmental Services

The Wheeler Basin project included approximately 11,600 LF of sewer line replacement and rehabilitation ranging from 8-inch to 30-inch diameter, numerous trenchless construction methods for sewer pipe rehabilitation, design of 8 flow-through stormwater planter facilities, and ADA-accessible curb ramp design for six intersections within the project limits.

In addition, Century West worked extensively with the City to navigate several new protocols rolled out within the City for the first time during the project design. These processes included using a new City-wide online file collaboration suite, BES electronic comment review protocol, and overhauling the Portland Bureau of Transportation pavement rehabilitation guidelines.



REFERENCE

Brandon Wilson, PE | 503.823.7786
brandon.wilson@portlandoregon.gov

SEWER REHABILITATION PROJECTS

City of Tigard

2024 CIPP Sewer Line Rehabilitation: Century West is designing this project that will use CIPP to improve 4,300 LF of aging 8-inch to 36-inch pipe. The project is spread out through the City of Tigard and includes 12 segments of pipe to be rehabilitated. The project scope includes permitting efforts with ODOT to coordinate traffic control on OR99W.

Downtown CIPP Sewer Rehabilitation: The City hired Century West through a utility on-call to expedite design in advance of a complete reconstruction of a portion of the downtown core. Century West provided design and construction oversight rehabilitation of 740 LF of 10-inch sewer main, 1,500 LF of 8-inch sewer main, and reinstatement of 24 existing sewer laterals. Century West tailored project specifications that allowed the awarded contractor to adjust their scheduling, be more aggressive with bid pricing, and provide the City with a project cost roughly 30% below the engineer's estimate and other bidders.

Pacific Highway Sewer Rehabilitation: Century West provided engineering design, and subsequent construction management, services. The project involves using CIPP to rehabilitate 3,520 LF of existing 8-inch concrete sewer pipe at Pacific Highway between Interstate 5 and Highway 217. Work zone staging and traffic control were major concerns for ODOT due to the location of the sewer line within the Pacific Highway. Century West obtained ODOT approval of vehicle and pedestrian traffic control plans that utilized nighttime construction to minimize traffic impacts. Century West also led coordination efforts with numerous businesses to maintain access during construction.

REFERENCE

Andy Newbury, PE | 503.718.2472
andrewn@tigard-or.gov

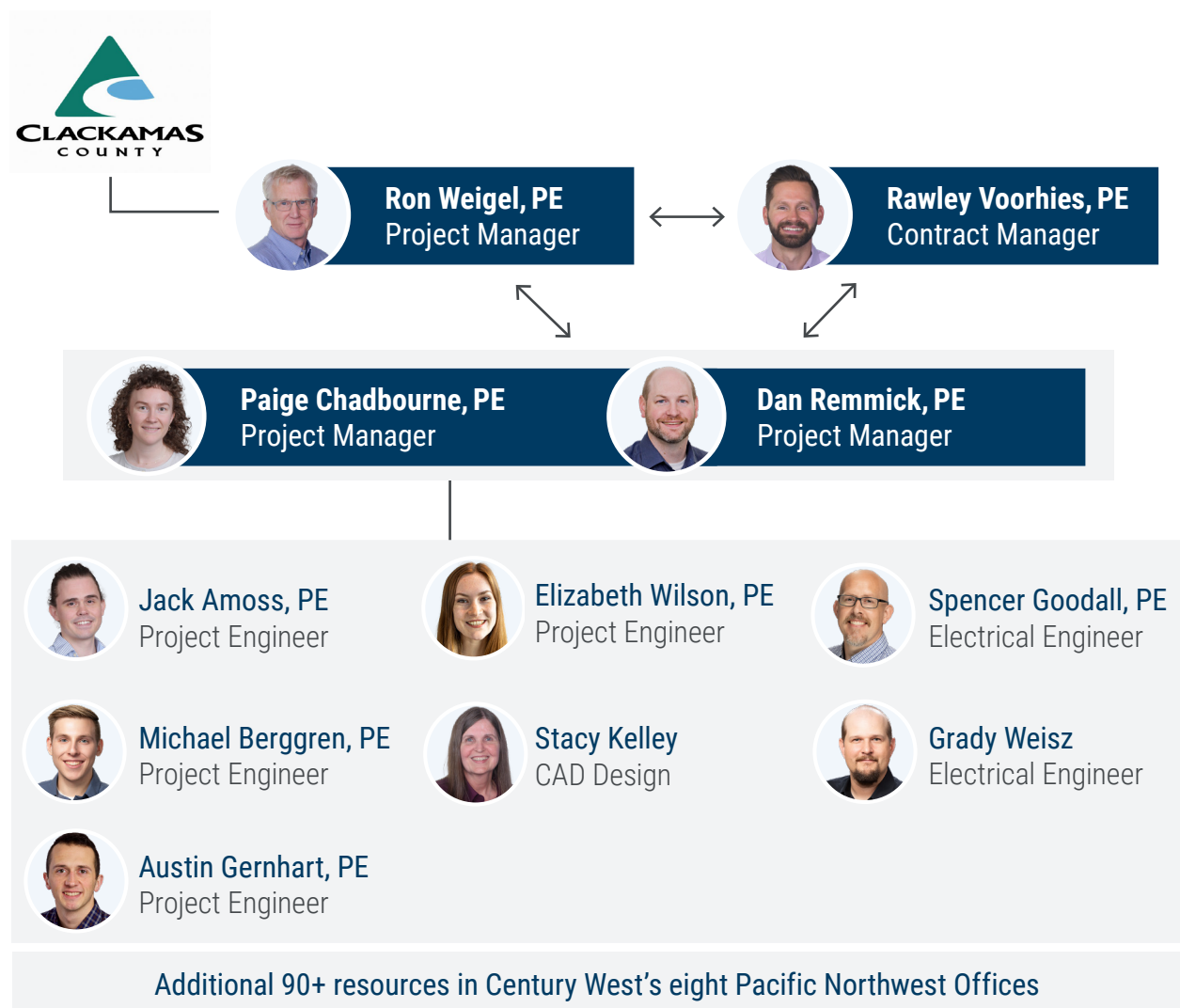


5.5 PROJECT TEAM

Key Staff

WES has significant experience working with long-time project manager Ron Weigel, PE, and Stacy Kelley, Century West's CAD Manager. Through this on-call contract, we hope to introduce you to the rest of the municipal resources in our Lake Oswego office and, depending on the project, potentially to specialized resources in our other offices.

As shown in the organizational chart, Ron will serve as your primary point of contact. Ron may choose to lead a given task order or assign it to one of our three other project managers. In the event that Rawley Voorhies, PE—our Contract and Quality Control Manager—leads a task order, one of our other project management level staff will step in to lead quality assurance/quality control (QA/QC) reviews. Project managers will work with Rawley to staff projects from the resources shown or call upon resources in any of Century West's eight offices to ensure our team has the proper expertise and availability to meet WES' project delivery expectations.



Ron Weigel, PE | Client & Project Manager

70% Availability

Ron has been delivering WES projects since 1996 and is intimately familiar with County staff, standards, and preferences for consultant-led projects. His no-nonsense project management approach has resulted in approximately 30 miles of pipeline being designed for WES on time and budget, with few surprises during construction. He specializes in managing the right-sized teams for projects like this, drawing on over 40 years of experience focused predominantly on municipal clients. In addition to his extensive experience with WES projects, Ron has led various initiatives involving trenchless pipeline construction, stormwater systems, pump stations, and manhole rehabilitation. His expertise covers all development phases, including planning, alternatives analysis, design, bidding, and construction.

Rawley Voorhies, PE | Contract Manager

70% Availability

Rawley has 21 years of experience managing projects that involve complex construction staging, developing plans, specifications, and estimates (PS&E) packages, and ensuring compliance with industry standards. His expertise extends to detailed project documentation, specification development, and field inspections, ensuring that each project meets high-quality and regulatory requirements.

Dan Remmick, PE | Project Manager

60% Availability

With 25 years of experience, Dan has specialized in working with stormwater, water, and wastewater systems. He started his career at the Idaho Department of Environmental Quality where he served as the compliance officer for public drinking water and wastewater systems. This experience has provided Dan with a thorough understanding of the environmental requirements placed on municipal agencies.

Michael Berggren, PE | Project Engineer

60% Availability

Michael has five years of experience as a designer specializing in public works projects. He has an in-depth understanding of gravity and pressure pipe networks, grading, and system modeling.

Paige Chadbourne, PE | Project Manager

60% Availability

Paige brings 10 years of experience designing utility infrastructure upgrades. She also is known for her effective, open client communications, detailed scheduling and deadline management, and thorough coordination efforts with the project team. Her work is detail-oriented with a strong eye for cost savings and quality control.

Jack Amoss, PE | Project Engineer

60% Availability

Jack has five years of design experience specializing in wastewater, water, and stormwater utility replacement. As a talented CAD designer, he brings precision and efficiency to project development, ensuring high-quality design solutions for utility infrastructure.

Austin Gernhart, PE | Project Engineer

60% Availability

Austin is a professional engineer with nearly five years of experience in utility and roadway design. Specific to wastewater, his recent experience includes conveyance pipe design, potholing coordination, analysis of pipe inspection videos, and construction inspection.



Elizabeth Wilson, PE | Project Engineer**60%** Availability

As a designer and project engineer with nearly five years of experience, Elizabeth assists in the preparation of plan sets, reports, cost estimates, and specifications. She also has experience providing field observation and construction inspection on a variety of municipal projects.

Spencer Goodall, PE | Electrical Engineer**70%** Availability

Spencer brings 10 years of experience and a background in design and implementation focusing on power distribution, lighting applications, and infrastructure development around the Northwest. His expertise includes performing system design and analyses, communicating with clients to ensure optimal functionality, and public safety.

Stacy Kelley, PE | CAD Design**60%** Availability

Stacy has 30 years of experience, including 25 years working with Ron Weigel as his lead CAD designer. She has played a key role in the production of plans and detailed exhibits for over 30 WES projects and task orders, bringing extensive expertise and precision to every design.

Grady Weisz | Electrical Design**70%** Availability

Grady has over 20 years of experience and an impressive portfolio in the public works, municipal, and commercial markets, with a specific focus on wastewater and water system design. He is proficient in the design of power systems, pump controls, emergency power systems, motor control centers, and other electrical design tasks.

Specialized Equipment & Software

Century West equips our staff with current, compatible software systems and uses these tools to seamlessly integrate processes and projects across all Century West offices. Our web-based platforms also provide real-time data sharing and create efficient communication with WES staff. Century West staff is proficient with 3D modeling, design, and drafting. At no added cost, we can integrate design linework on plan sheets into Google Earth to help visualize project elements through an easily navigated non-CAD environment. We also have in-house plotting capabilities for plots up to 36 inches wide and any length.

Software Resources

- MS Office 365 Suite (including MS Project and Sharepoint collaboration tools)
- CAD applications (3D modeling, design, and drafting)
- ArcGIS
- Adobe Creative Suite
- VPN access to secured network
- Web-based accounting system to track project details
- Web-based file share to access project files
- Web-based meeting platform for conference calls, video calls, screen sharing, etc.
- Google Earth
- AutoCAD Vehicle Tracking
- Autodesk Infraworks
- Autodesk Construction Cloud collaboration tools
- SWMM
- HydroCAD
- EPANet
- AutoDesk Sanitary & Sewer Analysis
- Stormwater/water/sewer hydraulic modeling tools



5.6 APPROACH

Working with WES

We know decisions require the input of many of WES' stakeholders, and we budget the time required to reach decisions on various issues. This allows us to keep project elements on track while meeting stakeholder needs. The assigned project manager in our Lake Oswego office will communicate project progress, status, issues, action items, schedule, and budget directly with WES' project manager. Our communication style is flexible, and we are prepared to communicate directly with WES' engineering, maintenance, environmental, permitting, and construction management staff, as requested, to streamline the compilation and dissemination of project information. Maintaining communication on a timely basis has proven to be the most reliable way to ensure work quality and avoid cost overruns.

Typical Approach to On-call Projects

Concept Design

Our team will research GIS data, master plan documents, and other relevant information to determine the existing built infrastructure and potential constraints. This is also the stage of the project where early stakeholder and public input can be obtained through open house meetings or workshops.

While gathering the background information and feedback, our staff will be working towards developing concept engineering designs. These concept designs typically become the framework for an alternatives analysis and/or the preliminary engineering stage of the project.

Preliminary Design (30%, 60% Milestones)

Our team's focus during the preliminary design phase is to reconcile any insufficient background information, identify potential project constraints, prioritize initial stakeholder needs in conjunction with client needs, and clarify the final design criteria while developing preliminary designs and drawings.

Experience has shown that a thorough topographical survey of the project work limits and right-of-way will eliminate assumptions and ambiguity throughout design and construction. We will call on a subconsultant team member to complete topographical surveys of the project area or boundary surveys. Once the survey information has been received, our team will make site reconnaissance visits with concept drawings in hand during our data collection and review process to take measurements, photo, and video of utility locate markings, above ground utilities, existing below-grade structures (by pulling utility hole lids as allowed), existing hardscape features, and condition of the surrounding infrastructure.



The field reconnaissance visits and any additional background data will be dovetailed into the concept designs in conjunction with any applicable design/permitting requirements, property acquisition/easement needs, and scheduling concerns as the team works through examining the feasible methods of construction.

The Pre-Design Report produced during this stage of the project will outline the design elements and the feasible construction method alternatives for each of these design elements, along with the potential issues, cost, and schedule implications for each construction method identified.

Final Design Phase

This phase of the project focuses on refining the preferred alternatives based on feedback from WES staff, other project stakeholders, and the public. Once clear alternatives have been chosen, our team will diligently work to address outstanding issues while preparing the final contract documents, consisting of the PS&E to be used in bidding and construction. The team will gradually ramp-up the level of detail in the contract documents to be commensurate with the appropriate level of review to ensure that the team is efficient and cost-effective with the budget the client entrusts to us.

It is imperative to meet to discuss plan review comments following the various plan submittal milestones, and to keep open lines of communication with WES and technical staff to confirm our understanding of your needs and anticipate potential comments. Whether this be adding additional detail in certain key

design areas or making an extra phone call to verify secondary implications of red-line design changes, keeping lines of communication open helps us ensure that we put the necessary information in WES' hands to make the most informed decisions.

Our team will also update the relevant information in the Design Report as the contract documents progress, such as utility conflict logs, right-of-way/easement needs, schedule implications for the chosen alternatives, and potential construction challenges. In addition to updating the Design Report, the team will also assist the client in providing and presenting updated project information to the public and interested stakeholders.

Construction Phase

Century West has an experienced team available to provide the full range of support services during construction. We will work with WES to determine the appropriate level of service you desire from the Century West team during this project phase.

Project Closeout

Our team understands project closeout documentation, such as grant funding documentation, record drawings, Operations and Maintenance manuals, etc., are key to defining a successful project. We identify closeout requirements early in the scoping process to guarantee that we understand and budget for documentation activities. Our upfront planning will ensure that WES will not receive consultant change orders due to budget shortfalls in the closeout stage of the project.

Quality Assurance & Quality Control

Century West balances quality, consistency, and responsiveness in our service and deliverables. We incorporate QA/QC review into all deliverables and CAD drawings, design calculations, cost estimates, etc. As our designated Quality Manager, Rawley Voorhies, PE, will be responsible for reviewing the project at key project milestones. His reviews will ensure that we uphold a high standard of quality, accuracy, and presentation.



PROPOSAL CERTIFICATION
RFP #2025-01

Submitted by: Century West Engineering Corporation

(Must be entity's full legal name, and State of Formation)

Each Proposer must read, complete and submit a copy of this Proposal Certification with their Proposal. Failure to do so may result in rejection of the Proposal. By signature on this Proposal Certification, the undersigned certifies that they are authorized to act on behalf of the Proposer and that under penalty of perjury, the undersigned will comply with the following:

SECTION I. OREGON TAX LAWS: As required in ORS 279B.110(2)(e), the undersigned hereby certifies that, to the best of the undersigned's knowledge, the Proposer is not in violation of any Oregon Tax Laws. For purposes of this certification, "Oregon Tax Laws" means the tax laws of the state or a political subdivision of the state, including ORS 305.620 and ORS chapters 316, 317 and 318. If a contract is executed, this information will be reported to the Internal Revenue Service. Information not matching IRS records could subject Proposer to 24% backup withholding.

SECTION II. NON-DISCRIMINATION: That the Proposer has not and will not discriminate in its employment practices with regard to race, creed, age, religious affiliation, sex, disability, sexual orientation, gender identity, national origin, or any other protected class. Nor has Proposer or will Proposer discriminate against a subcontractor in the awarding of a subcontract because the subcontractor is a disadvantaged business enterprise, a minority-owned business, a woman-owned business, a business that a service-disabled veteran owns or an emerging small business that is certified under ORS 200.055.

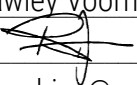
SECTION III. CONFLICT OF INTEREST: The undersigned hereby certifies that no elected official, officer, agent or employee of Clackamas County is personally interested, directly or indirectly, in any resulting contract from this RFP, or the compensation to be paid under such contract, and that no representation, statements (oral or in writing), of the County, its elected officials, officers, agents, or employees had induced Proposer to submit this Proposal. In addition, the undersigned hereby certifies that this proposal is made without connection with any person, firm, or corporation submitting a proposal for the same material, and is in all respects fair and without collusion or fraud.

SECTION IV. COMPLIANCE WITH SOLICITATION: The undersigned further agrees and certifies that they:

1. Have read, understand and agree to be bound by and comply with all requirements, instructions, specifications, terms and conditions of the RFP (including any attachments); and
2. Are an authorized representative of the Proposer, that the information provided is true and accurate, and that providing incorrect or incomplete information may be cause for rejection of the Proposal or contract termination; and
3. Will furnish the designated item(s) and/or service(s) in accordance with the RFP and Proposal; and
4. Will use recyclable products to the maximum extend economically feasible in the performance of the contract work set forth in this RFP.

Name: Rawley Voorhies, PE

Date: 2/20/2024

Signature: 

Title: Vice President

Email: rvoorhies@centurywest.com

Telephone: 503.419.2130

Oregon Business Registry Number: 089551-14

OR CCB # (if applicable): _____

Business Designation (check one):

☒ Corporation ☐ Partnership ☐ Sole Proprietorship ☐ Non-Profit ☐ Limited Liability Company

☒ Resident Quoter, as defined in ORS 279A.120

☐ Non-Resident Quote. Resident State: _____



Ron Weigel, PE

Project Manager

Ron has over 40 years of experience during his career, working almost exclusively for municipal clients. He is a creative, collaborative and knowledgeable project manager capable of managing a multi-disciplined project team. Since 1996, he has delivered nearly 40 projects and task orders for WES ranging from storm sewer rehabilitation to sewer pump stations to equipment procurement.

Education

BS, Civil Engineering, Oregon State University

Registration

Oregon PE #12677PE



Relevant Project Experience

Rock Creek Wastewater Conveyance; Clackamas County, OR

Ron served as project manager for design and construction services on this multi-phased interceptor project that resulted in the completion of a single gravity sewer pipe varying from 24 to 30 inches in diameter and approximately 12,000 feet in length parallel to the Rock Creek canyon in east Clackamas County. The project was completed over a three-year period and involved final route design through the sensitive stream corridor, preliminary design, and final design services.

Wheeler Basin Sewer Rehabilitation; Portland, OR

Ron was the project manager for this sewer rehabilitation project in inner Northeast Portland. The project featured the replacement and/or rehabilitation of approximately 11,600 LF of sewer mainline, ranging from 8- to 30-inches in diameter, with many of the existing mains ranging in age from 100 to 115 years old. Rehabilitation methods included pipe bursting and CIPP lining.

Gwinn Street Water & Sewer Improvements; Monmouth, OR

As the project manager, Ron also worked with specialized subconsultants for environmental permitting, geotechnical investigations, and topographic surveying. The work required extensive coordination with ODOT staff to secure a permit to bore two 30-inch diameter steel casings each approximately 140 feet in length to place the new sanitary sewer and waterline beneath Highway 99W.

Additional Project Experience with Clackamas County WES:

- 82nd Drive Force Main Rehabilitation
- Mount Talbert Sewer Realignment
- Fisher's Forest Park Sanitary Sewer Rehabilitation
- Mount Scott Trail Erosion
- Spring Mountain Storm Sewer Rehabilitation
- 106th Avenue Stormwater Outfall
- 2018 CIPP Rehabilitation
- Lateral LP1 & CL2.1 Rehabilitation
- Clackamas Pump Station Rehabilitation
- Lateral LP8, Phase 1 Rehabilitation
- Sandy River Force Main Mitigation
- NRCA, Johnson Creek Area, Phase I-III
- Capps Road Pump Station Force Main



Rawley has 21 years of municipal engineering experience, specializing in design, management, and inspection for public clients. His background includes stormwater analysis, grading design, and utility layout, as well as leading entitlement and permitting efforts for multidisciplinary teams. Rawley has developed a very organized and thorough approach to quality control and he is dedicated to ensuring that all of the work that comes from Century West is of the highest quality.

Education

BS, Civil Engineering,
University of Portland

Registration

Oregon PE #72533PE



Rawley Voorhies, PE

Contract Manager

Relevant Project Experience

Stark & Buckman East Reconstruction & Greenstreets; Portland, OR

Rawley managed design and provided construction administration services for this project that includes the replacement and rehabilitation of 25,000 LF of sewer and storm piping ranging from 8-inch to 24-inch diameter, as well as the installation of 480 services using over 9,500 LF of 6-inch diameter lateral pipe. Additionally, 150 manholes were replaced or rehabilitated, with sizes ranging from 48 inches to 84 inches. The project featured 70 stormwater planter facilities designed to improve water quality and quantity. The project also included over 3,700 LF of 6-inch through 20-inch ductile iron waterline replacement, 80 curb ramp upgrades, and over 4,100 tons of asphalt pavement for roadway rehabilitation and reconstruction.

Rivercrest Sewer Rehabilitation, Phases 1–4; Oregon City, OR

Rawley was the on-call sewer rehabilitation project manager for the Rivercrest neighborhood in Oregon City. The project included condition assessment, design, and construction management for over 15,000 LF of sewer main, dozens of manholes, and nearly 300 service laterals. The sewer mains ranged in size from 8 inches to 12 inches in diameter. Rawley helped the City strategize project delivery and broke the project into four phases.

2024 CIPP Sewer Line Rehabilitation; Tigard, OR

Rawley is the project manager for this project that will use CIPP to improve 4,300 LF of aging 8-inch to 36-inch pipe. The project is spread out through the City of Tigard and includes 12 segments of pipe to be rehabilitated. The project scope includes permitting efforts with ODOT to coordinate traffic control on OR99W.

Pacific Highway Sewer Rehabilitation Tigard, OR

Rawley led the team that provided engineering design, and subsequent construction management, services. The project involves using CIPP to rehabilitate 3,520 LF of existing 8-inch concrete sewer pipe at Pacific Highway between Interstate 5 and Highway 217. Work zone staging and traffic control were major concerns for ODOT due to the location of the sewer line within the Pacific Highway. Century West obtained ODOT approval of vehicle and pedestrian traffic control plans that utilized nighttime construction to minimize traffic impacts. Rawley also led coordination efforts with numerous businesses to maintain access during construction.



Paige Chadbourne, PE

Project Manager

Relevant Project Experience

2024 CIPP Sewer Line Rehabilitation; Tigard, OR

Paige is the design lead and project manager for this storm and sanitary sewer replacement project, which will use CIPP to improve 4,300 LF of aging 8-inch to 36-inch pipe. The project is spread out through the City of Tigard and includes 12 segments of pipe to be rehabilitated. Paige is coordinating permitting efforts with ODOT to coordinate traffic control on OR-99W.

Stark & Buckman East Reconstruction & Greenstreets; Portland, OR

On the Stark/Buckman East Reconstruction & Green Streets project, Paige's role encompassed the design of ADA-compliant features, with a specific focus on the layout and grading of ramps to meet the latest design requirements set forth by PBOT. She diligently performed quality control checks to ensure all ramps complied with necessary standards. In addition, Paige effectively coordinated with subconsultants to ensure project specifications were met and conducted numerous site visits. These visits were crucial for resolving construction-related issues directly with the City and contractors, facilitating a smooth and efficient project completion.

Patterson Creek Design & Lift Station; Bay City, OR

Paige is the project manager responsible for providing design and construction administration for this project, which will focus on addressing existing culvert capacity issues at Patterson Creek. The project scope includes replacing an existing undersized culvert, fully removing a second culvert while stabilizing the bank, extending a public roadway to allow residential access once the second culvert is removed, and extending sanitary sewer and water mains to address serviceability issues arising from the culvert work. The project will require coordination with various permitting agencies, including the Oregon Department of State Lands, the US Army Corps of Engineers, the Oregon Department of Fish and Wildlife, and SHPO.

Paige has 10 years of experience as a project manager overseeing the design and implementation of utility infrastructure upgrades in the Portland metro area. Paige is recognized for her strong leadership in client communications, allowing for transparent collaboration and alignment of project goals. She excels in detailed scheduling and deadline management, ensuring projects are completed on time and within budget.

Education

BS, Civil Engineering,
University of Portland

Registration

Oregon PE #90044PE





Dan Remmick, PE

Project Manager

Relevant Project Experience

Lift Station Improvement Design; Sprague, WA

The primary lift station in the City of Sprague had a long history of pump clogging and failures. Century West completed a general sewer plan and Lift Station Facility Plan to assist the City in applying for Clean Water State Revolving Fund (CWSRF) and Community Development Block Grant funds to make improvements to the City's lift stations. The project refurbished Lift Station #1 by installing a vertical auger screen that filters out debris in the sewer system before it can clog the pumps. The refurbishment also replaced the existing pumps, motors, and discharge piping. A new valve vault was installed to provide access to discharge valves without the need to enter the wet well. The control panel was updated to provide remote monitoring capabilities and automated generator controls. The project also included the installation of a new Lift Station #3 at the south end of Dayton Street, resulting in improved service to the residents who were previously served by failing ejector pumps.

Anderson Road Sewer Extension; Ellensburg, WA

The First Street Lift station in Ellensburg had reached the end of its service life, and the City wished to consider replacement alternatives. The first task of design was to demonstrate that the lift station could be replaced by a gravity sewer running along Anderson Road. Dan set up spreadsheet models to evaluate various end points, and ways to manage the three potential creek crossings. Once the path was defined, Dan proceeded to final design for approximately 7,400 LF of 18 in gravity sewer, including one at-grade creek crossing, and two inverted siphons.

Wastewater Treatment Facility Improvement Project; Lone, WA

Dan served as project engineer responsible for the completion of the facility plan for the Town of Lone Wastewater Treatment Plant, in accordance with National Pollutant Discharge Elimination System requirements.

Franklin-Prairie Lift Station Bypass; Hayden, ID

Dan completed the evaluation which included a topographic survey of the site and route alternatives, research of existing property ownership and easements, development of alternatives for bypassing the existing lift station, assembling cost estimates, and writing a summary technical memorandum.

With 25 years of experience, Dan has specialized in working with wastewater, stormwater, and water systems. He started his professional career as a Staff Engineer at the Idaho Department of Environmental Quality. Among his duties, he served as the compliance officer for public drinking water and wastewater systems. This experience has provided Dan with a thorough understanding of the requirements placed on water and drainage utilities, as well as an appreciation for the difficulties faced by municipalities trying to meet the requirements.

Education

BS, Civil Engineering,
University of Idaho

Registration

Oregon PE #96361PE;
Washington PE #47444;
Idaho PE #11821





Michael Berggren, PE

Project Engineer

Michael is a professional engineer with five years of experience in utility and roadway design, as well as water, sewer, and stormwater modeling. His project experience ranges from designing small 400-foot utility replacement projects to 3,000-foot-long corridor designs. His modeling experience includes culvert flooding, evaluating existing and forecasting future water system demands, and modeling hundreds of miles of sewer systems.

Education

BS, Civil Engineering,
Washington State University

Registration

Oregon PE #103773PE

ODOT Certified ADA
Inspector



Relevant Project Experience

Anderson Road Sewer Extension; Ellensburg, WA

Michael was the primary drafter on this 7,400 ft sewer main extension in Ellensburg, Washington. This project upgrades the existing system to maintain service to the northwest corner of Ellensburg. Michael used his understanding of sewer systems to assist in this project site's sewer and site design. Design challenges for this site included flat slopes and two inverted siphon mechanisms to bypass creeks within the project area.

Comprehensive Wastewater Management Plan; Spokane County, WA

Michael is the hydraulic modeler for the Comprehensive Wastewater Management Plan update for Spokane County. Michael uses his strong understanding of gravity pipe networks and force mains to create an accurate model of the Spokane County sewer system, including over 10,000 manholes and 15,000 pipes. This model is then used with population projections to plan future projects and anticipate where the system needs upgrades.

Sewer Improvements; Fairfield, WA

Michael created the sheets and helped design this sewer improvement project in Fairfield. This project initially called for replacing approximately 800 feet of deteriorating sewer pipe in an alley. However, the design changed due to sheds laid over the existing sewer. Michael altered the design to accommodate the residents and designed a CIPP liner installation instead of a new sewer with trenching.

Herman Road Improvements; Tualatin, OR

Michael was part of the design team for the SW Herman Road Improvements project in Tualatin. He primarily worked with the signing and striping portions of the project, but also aided in utility relocation coordination with local agencies. Michael was the primary observer during construction in 2023 and 2024. His duties included ensuring the project was completed accurately to the plan set as well as coordinating with the public and nearby property owners to make sure their needs were heard and resolved as quickly and efficiently as possible.



Jack Amoss, PE

Project Engineer

Relevant Project Experience

2024 CIPP Sewer Line Rehabilitation; Tigard, OR

Jack supported the design of 4,350 feet of sewer replacement for the City of Tigard using CIPP. He drafted construction plans, reviewed sewer CCTV, and performed field inspections.

Rivercrest Sewer Rehabilitation, Phases 1–4; Oregon City, OR

Jack is part of the design team for the Rivercrest Basin Phase 4 project, which is part of an effort to reduce sanitary inflow and infiltration in Oregon City. Phase 4 of the project includes the replacement of approximately 350 sanitary laterals from newly rehabbed mainline to private cleanouts, as well as rehab and replacement of approximately 500 LF of sanitary main and associated lateral replacement. Jack helped refine project design and drafted construction plans and cost estimates.

Chandlers Addition Sanitary Sewer Rehabilitation; McMinnville, OR

Jack is part of the design team for the Chandlers Addition Sanitary Sewer Rehabilitation project in McMinnville. The project includes replacing approximately 7,200 LF of sanitary sewer main and associated laterals within the right-of-way using a mixture of pipe burst and open trench replacement. Jack helped refine the project design and drafted the construction plans and cost estimates.

Harvey Street Improvements; Milwaukie, OR

Jack is providing design services for the Harvey Road Improvements project, which aims to turn Harvey Street into a two-way urban neighborhood greenway for vehicles. The retrofit design extends from 32nd Avenue to 42nd Avenue. The project includes pavement and curb rehabilitation, sidewalk installation and replacement, signing, striping, street landscaping, water, stormwater, and wastewater improvements.

Jack brings five years of experience in the civil engineering field. His experience includes a variety of municipal and private land development projects with an emphasis on utility conveyance systems and grading design. In addition to analysis and design, he assists in collecting field data, preparing plan sets, drafting technical reports, cost estimates, and specifications.

Education

BS, Environmental Engineering, Georgia Institute of Technology

Registration

Oregon PE #104951PE
ODOT Certified ADA Inspector





Austin is a professional engineer with nearly five years of experience in utility and roadway design. Specific to wastewater, his recent experience includes conveyance pipe design, potholing coordination, analysis of pipe inspection videos, and construction inspection.

Education

BS, Civil Engineering, Oregon State University

Registration

Oregon PE #94590PE

ODOT Certified ADA Inspector



Austin Gernhart, PE

Project Engineer

Relevant Project Experience

Rivercrest Sewer Rehabilitation, Phases 1–4; Oregon City, OR

Austin assisted with the Rivercrest Sewer Rehabilitation project that assessed the current condition of the sanitary sewer system in various parts of Oregon City. Austin conducted multiple site visits where he documented utility hole conditions and analyzed pipe inspection videos for breaks, root damage, and animal activity.

Columbia Street Water & Wastewater Replacement; Hood River, OR

Austin provided design support for the replacement of a failing cast iron water main and clay sanitary sewer main within Columbia Street. Design elements included new 8-inch water and sanitary mains, water services, manholes, service laterals, and cleanouts. The design incorporates a full roadway reconstruction of Columbia Street between 8th Street and 10th Street to replace existing concrete pavement with asphalt while fixing severe cross slopes, including new curb & gutter on the north side of Columbia Street, 11 ADA-compliant curb ramps, and five driveway approaches. Stormwater catch basins have been added and connected to the main to address drainage concerns.

Stark & Buckman East Reconstruction & Greenstreets; Portland, OR

Austin assisted with the design of the Portland BES Stark and Buckman Green Streets project. The project's goal is to update storm sewer facilities and ADA ramps throughout inner-east Portland.

ORANG Reversion Area Utilities; Portland, OR

As a project engineer, Austin assisted with the upgrade and relocation of essential services for United Airlines' new hangar. This project encompassed the design and installation of new water, fire water, gas, communications, and electrical lines. Austin led the coordination efforts with our electrical subcontractor regarding Port requirements. He also contributed significantly to plan production and the effective design of the utility trench, ensuring all requirements were met efficiently.



Elizabeth Wilson, PE

Project Engineer

Elizabeth is a dedicated professional engineer with nearly five years of experience in utility and transportation design. She is known for her strong organizational skills and is committed to delivering projects efficiently with a focus on design integrity.

Education

BS, Civil Engineering, George Fox University

Registration

Oregon PE #105263PE

ODOT Certified ADA Inspector



Relevant Project Experience

Harvey Street Improvements; Milwaukie, OR

Elizabeth is the lead project engineer and the utility coordination lead for this ongoing street and utility improvements project that will revitalize SE Harvey Street and the surrounding corridor along SE 42nd Avenue and side streets into an ADA-compliant pedestrian thoroughway with upgraded stormwater, potable water, and sanitary sewer facilities. Careful potholing and coordination ensured minimal disruption to existing three parallel water mains (6-, 12-, and 16-inch transmission) by the new storm conveyance mainlines. Elizabeth also led efforts for low-impact-development treatment of on-site and off-site stormwater runoff, stormwater downstream analysis, and design of a downstream stormwater pump station.

Rivercrest Sewer Rehabilitation, Phases 1–4; Oregon City, OR

Elizabeth supported the construction management phase of this project for over 15,000 LF of sewer main, dozens of manholes, and nearly 300 service laterals. The sewer mains ranged in size from 8 inches to 12 inches in diameter.

SW Main Street Improvements, Phase 2; Tigard, OR

Elizabeth was a designer and resident inspector for the reconstruction of SW Main Street, an 800 LF downtown collector from the railroad tracks north to Scoffins Street, to create a vibrant downtown that connects the community, visitors, and businesses. Elizabeth played a significant role during the design of the utility and stormwater upgrades. During construction, she coordinated with subconsultants and franchise utilities to support a smooth process and minimize disruptions.

East 12th Street Storm & Sidewalk Improvements; The Dalles, OR

Elizabeth is leading utility coordination and serving as a project engineer for this project for the City of The Dalles to add pedestrian and storm facilities on E 12th Street from Thompson Street to Richmond Street. This project consists of ADA-compliant curb ramps, widening the roadway for a parking lane, storm design, and retaining wall placement. Elizabeth is coordinating with utilities, including the local irrigation district, to minimize potential conflicts with the new storm system.



Stacy Kelley

CAD Designer

Relevant Project Experience

- Spring Mountain Storm Rehabilitation; Clackamas County, OR
- Mt. Scott Trail Sewer Rehabilitation; Clackamas County, OR
- Fisher's Forest Park Sewer Improvements; Clackamas County, OR
- Lateral LP1 & CL2 – CIPP Rehab; Clackamas County WES, OR
- NCRA – Johnson Creek Area Sanitary Sewer Improvements – Phases I-III; Clackamas County WES, OR
- Rock Creek Interceptor – Phases I, II, III; Clackamas County WES, OR
- 152nd Avenue Sanitary Sewer; Clackamas County WES, OR
- 124th Avenue & Ann Court Culvert Replacement; Tigard, OR
- Benchview Stormwater Improvements; Tigard, OR
- Ash Avenue Street Improvements; Tigard, OR
- 79th Avenue; Tigard, OR
- Gaarde Street, Phase 1; Tigard, OR
- 97th Avenue Sanitary Sewer Improvements; Tigard, OR
- 100th Avenue Sewer; Tigard, OR
- Cherry Drive Sanitary Sewer Improvements; Tigard, OR
- Fanno Creek Bank Stabilization; Tigard, OR
- 72nd Sanitary Sewer Improvements; Tigard, OR
- Wheeler Basin Sewer/Storm; Portland, OR
- SW Cherokee Street & SW 86th Avenue Waterline Improvements; Tualatin, OR
- Urban Road Maintenance District/Minor Betterments Program; Washington County, OR
- NE Halsey Street Sewer Capacity Upgrade; Wood Village, OR
- NE Milwaukie Sanitary Sewer Extension; Milwaukie, OR
- Coast Avenue Improvements; Depoe Bay, OR
- Chestnut & Harvard Stormwater Rehabilitation; Roseburg, OR
- SW Pacific Drive Sidewalk Improvements; Tualatin, OR
- Stewart Parkway Realignment; Roseburg, OR

As CAD Manager and a project designer, Stacy will be responsible for leading the production of the plans and providing detailed exhibits for any necessary project reports. Stacy has gained valuable experience in this role while performing engineering design and analysis for a variety of municipal projects. This past project experience has honed Stacy's skills using Civil 3D for efficient and accurate plan production.





Spencer Goodall, PE

Electrical Engineer

Relevant Project Experience

Tualatin Valley Water District, Willamette Water Supply Electrical Improvements; Tualatin, OR

Spencer performed preliminary electrical engineering design services, including a review of record drawings and bid specifications, site conditions, and realized construction for a 500HP well and aquifer storage and recovery system. The existing system had been dormant due to a well failure for a decade without any process-related operations. The District requested preliminary cost data (AACE Class 5) and a sequence of procedures to validate and re-baseline the “system” to design a new well location and use all existing equipment to the greatest extent feasible. This includes medium and low voltage power distribution, harmonic mitigation, variable frequency drives and well control, surge, arc flash suppression, standby power, and facility control systems.

US-2 Pedestrian & Multimodal Project Design Phases 1 & 2; Airway Heights, WA

Spencer contributed to the design of roadway lighting and power distribution for Phases 1 and 2 of the US-2 project, which spans a mile-long section of highway in Airway Heights. This work involved creating detailed layouts for midblock crosswalks equipped with rapid flashing systems to enhance pedestrian safety. Additionally, the design incorporated roundabouts that facilitate mixed-use for pedestrians and vehicles, along with appropriate safety lighting. The project also addressed essential features like bus stops, pedestrian pathways, and bicycle lanes, as well as landscape controls to ensure a visually appealing and functional environment for all road users.

WRP Supervisory Control and Data Acquisition (SCADA) System Upgrades; Airway Heights, WA

Spencer provided electrical engineering design services that included reviewing record drawings, specifications, and cost estimates for replacing ten existing Programmable Logic Controllers (PLCs) and Operator Interface Terminals (OITs), as well as adding an operator hazard annunciation system throughout the water reclamation plant. The existing PLC/OIT infrastructure was showing signs of age, usage, and other process-related issues that indicated limitations. The project involved designing the demolition, installation, and integration of ten systems across geographically separate processes and control systems. In addition to upgrading the hardware, the SCADA software will also be enhanced.

Spencer is a seasoned electrical engineer with 10 years of design experience. He brings a strong background in design and implementation focusing on power distribution, lighting applications, and infrastructure development around the northwest. His expertise includes performing system design and analyses, communicating with clients to ensure optimal functionality, and public safety. With a practical approach to problem-solving and a commitment to enhancing operational efficiency, Spencer is dedicated to successful project outcomes.

Education

MS & BS, Electrical Engineering, University of Idaho

Registration

Oregon PE #106163PE





Grady Weisz

Electrical Engineer

Grady has an impressive portfolio in the public works, municipal, and commercial markets, with a specific focus on water and wastewater system design. With over 20 years of experience, Grady has a comprehensive understanding of the full project spectrum, having completed design, bid, and construction support services; budgeting; and cost estimating. Grady is proficient in the design of power systems, pump controls, emergency power systems, motor control centers, and other electrical design tasks.

Education

BS, Electrical Engineering,
Montana State University



Relevant Project Experience

Confederated Tribes of the Chehalis Reservation, Wastewater Collection System & Treatment Facility Upgrades Design; Chehalis, WA

Century West, with Grady as the electrical engineer, managed sewer improvements for the Chehalis Tribes, installing a new septic tank effluent collection system for 21 homes and 5 tribal buildings, using over 8,300 lf of PVC pipes and two 100 gpm pump stations. As part of the project, Grady evaluated the existing treatment plant. The membrane system was deemed capable of treating flows for the next 20 years without requiring expansion. Thus, the team proposed enhancements, including new pumps, piping, electrical controls, and various facility upgrades. Original costs rose by \$288K due to extra improvements requested by the Chehalis Tribes, ending the project at \$2.5M in June 2022, \$41K under budget thanks to cost-saving strategies, including scope reductions on planned enhancements.

Sewer Rehabilitation; Hartstene Pointe Sewer & Water District, WA

Grady served as the electrical engineer for this complete sewer system rehabilitation for the Hartstene Pointe Water Sewer District. The system has experienced extreme infiltration and inflow (I/I) in recent years, which has caused violations of the District's NPDES permit. The rehabilitation project will include CIPP and other pipeline rehabilitation techniques for a significant portion of the system, installation of a new lift station and force main to replace the sewer along the bluff, manhole rehabilitation, replacement or lining of service laterals, and surface restoration where ground disturbing activities are needed.

Southside Lift Station & Force Main Drive; Airway Heights, WA

Grady is the electrical engineer for this new lift station to service the commercial areas on the south side of the City. The project includes a force main sewer to convey the pumped sewage from the lift station to the Headworks building of the Airway Heights Water Reclamation Facility. The project shall generally include engineering design for the lift station, connection to the existing infrastructure on the plant site, site electrical upgrades, and environmental review and permitting.