

# CIVIL ENGINEER III (WATER & WASTEWATER)

**POSITION TITLE:** Civil Engineer III (Water & Wastewater) (Full-Time Regular) (Classified)

**REQUISITION #:** req7866

**DEPARTMENT:** Ut Water Systems Engr Div

**LOCATION:** UTILITIES SERVICE CTR - BLDG A

**BENEFIT CATEGORY:** Classified (Non-CBU) [View Classifications & Benefits](#)

**EMPLOYMENT TYPE:** Full-Time Regular

**ANNUAL SALARY RANGE:** \$83,416.00 - 139,024.00 (Salaries are paid biweekly)

**ANNUAL ANTICIPATED HIRING RANGE:** \$110,000.00 - 125,000.00 (Salaries are paid biweekly)

**SELECTION PROCESS:** Application deadline is **3:00 p.m. MT on 11/20/2024**.

The City of Fort Collins is a bias-conscious employer. We ask that you please avoid the use of photos when submitting a resume and/or an application for employment. You will receive an email acknowledgment when you have successfully submitted an application. Your completed application will be forwarded to the hiring manager. You will be notified if you are selected for further testing or interviews. Please keep your contact information up-to-date. The status of your application will be updated in your applicant profile. **Post-offer background check required.**

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## ***Why Work For the City of Fort Collins?***

- Medical, dental, vision (for self, spouse, children) – eligible on the 1st of the month following date of hire
- Paid vacation, paid holidays, sick leave, and additional one-time bank of 40 PTO hours for new, full-time, Classified and Unclassified Management hires
- Retirement + company contributions – after 6 month probation period and immediate vesting
- Flexible spending: Medical expenses FSA, dependent FSA or both
- Employee Assistance Program: counseling, legal, financial assistance
- Life insurance, short-term and long-term disability
- Wellness program, workout facilities
- Employee/family onsite health clinic
- Learning and development opportunities at all levels in the organization with opportunities for career mobility
- Collaborative work environment

To learn more about The City of Fort Collins and Our Community, please read [Our Community and Our Organization Brochure](#)

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## **Job Summary**

Utilize the Guiding Principles of One Water to provide engineering services related to water and wastewater infrastructure which includes hydraulic modeling, calibration, scenario planning, capital improvement planning, review of development and redevelopment impacts on existing systems, and reporting system performance metrics such as sewer and fire flow capacities. Ensures compliance with City Code, State, and Federal regulations and City Water and Wastewater Design Criteria. Manages and/or prepares water and wastewater Master Plans. Performs, as necessary, design and construction engineering for water distribution and wastewater collection projects. Ensures Water Distribution and Wastewater Collection Master Plans are in alignment and support other City Master Plans including Water Treatment, Water Reclamation, and Stormwater.

## **Essential Duties and Responsibilities**

The following duties and responsibilities are illustrative of the primary functions of this position and are not intended to be all inclusive.

- One Water and Communications:
  - Coordinate with relevant departments and agencies to integrate One Water Principles and planning into broader urban development strategies.
  - Coordinate projects and work activities with City departments, divisions, and the public as needed in order to sustain or enhance service levels to the public.
  - Represent the department and serve as a technical information resource for the public, consultants and developers, City boards and departments, City Council, and other organizations regarding specific projects or general engineering questions; may prepare presentations and written materials.
- Master Planning and Capital Improvements:
  - Lead the establishment of a new water distribution and wastewater collection Master Planning program, including developing both short- and long-term planning goals.
  - Develop and/or manage the development of comprehensive water distribution master plans that identify strategies to cost-effectively maximize improvements to levels of service for the system such as quality, reliability, resiliency and safety. Rehabilitate and/or replace based on system age, main break history, and fire flow capacity to meet current standards.
  - Develop and/or manage the development of comprehensive wastewater collection master plans that are aligned with the primary goals of preventing environmental contamination and protecting public health and preventing public nuisances by

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conveying wastewater to the City's water reclamation facilities, where pollutants are removed before the water is discharged.

- Participate in long-term strategic planning to address challenges effectively, ensuring the availability of critical drinking water and wastewater collections services to support community resiliency.
- Monitor and evaluate the implementation of master plan initiatives, adjusting strategies as needed to ensure effectiveness.
- Direct and/or prepare reports, specifications, plans, construction schedules, and/or designs for projects
- Perform site inspection and construction engineering services, on occasion to monitor progress and ensure conformance to engineering plans, specifications, and construction and safety standards.
- System Analysis and Hydraulic Modeling:
  - Develop, maintain, validate and update the City's water distribution and wastewater collection hydraulic models, and assess the impact of new developments and capital improvements on system performance metrics. This includes evaluating and recommending which hydraulic model software(s) should be used moving forward.
  - Perform necessary modeling and system review for capital projects and development submittals in accordance with customer service deadlines while maintaining a systemwide perspective.
- Asset Management:
  - Serve as a key contributor to the Water Utilities' mid- and long-range capital asset planning to support sustainable operation of water and wastewater systems and to ensure available resources are directed to the most urgent needs of all residents within the City's service areas, including underrepresented populations.
  - Manage in-house collaborators and external consultants to plan holistically for system-wide needs rather than on a project-by-project basis.
  - Coordinate efforts with other existing Water Utilities Departments to implement strategies for water conservation, pollution prevention, and sustainable water management practices.

### **Management Responsibilities**

No

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## City Competencies

- Demonstrated cultural competence to effectively interact, work, and develop meaningful relationships with people of diverse identities, perspectives, and cultural backgrounds.
- Strong learning orientation. Leverages all resources and is creative in ways of learning for self to continue adapting to changing issues and trends.
- A desire and ability to understand the diverse needs of internal and external customers, and to create experiences and deliver services that exceed their expectations.
- A desire and ability to utilize digital tools for organizational information, individual, and teamwork.

## Required Knowledge Skills and Abilities

- Advanced knowledge of water distribution and wastewater collection design and construction practices and principles.
- Ability to utilize engineering judgment to make interpretations and address unique situations.
- Knowledge of and work experience with multiple water distribution and wastewater collection hydraulic engineering software programs (i.e. EPANET, WaterGEMS, PCSWMM, InfoWater).
- Ability to read and interpret engineering reports and plans, water and wastewater hydraulic models.
- Project and program management experience as well as experience with contract management of consultants.
- Advanced knowledge of applicable city, county and federal codes, laws and development standards.
- Skilled in the use of engineering, computer-aided design (CAD), GIS, spreadsheet, word processing and statistical software.
- Strong interpersonal communication skills, including presentation and technical writing abilities. Ability to influence effectively and communicate to varied audiences including City Council, executive, professional, field staff, contractors, general public.
- Demonstrated ability to apply advanced mathematical concepts.
- Strategic critical thinking in approach to problem solving, issue resolution and solution development.

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## Required Qualifications

### Minimum

Associates / Bachelor's degree or other specialized skill training / certification may be required in some positions

### Preferred

Bachelor's degree required in Civil Engineering from an accredited college or university, or equivalent combination of education and experience to meet the state minimum requirements to pursue engineering licensure.

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Master's degree preferred in Civil Engineering from an accredited college or university, or equivalent combination of education and experience to meet the state minimum requirements to pursue engineering licensure.

## Experience Requirements

- The City of Fort Collins Utilities organization values engineers with a strong background in technical proficiency and a focus on the safety, health, and welfare of the public. We encourage skills development and training to advance one's knowledge and pursue professional licensing. 9+ years engineering experience preferred

Studies have shown that women and people of color are less likely to apply for jobs unless they believe they can perform every job description task. We are most interested in finding the best candidate for the job, and that candidate may come from a less traditional background. The City may consider an equivalent combination of knowledge, skills, education, and experience to meet minimum qualifications. If you are interested in applying, we encourage you to think broadly about your background and skill set for the role.

## Certifications/Licenses/Specialized Training

- Valid driver's license, Professional Engineer (P.E.) registered in the State of Colorado

**The content in this posting was created for recruitment purposes. To view the full job description click the link below.**

[Civil Engineer III](#)

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The City of Fort Collins will make reasonable accommodations for access to City services, programs and activities and will make special communication arrangements for persons with disabilities. Please call (970) 221-6535 for assistance.

**Notice Regarding Medical and/or Recreational Marijuana Use:**

Because the possession and use of marijuana, whether for medical use or otherwise, constitutes a federal offense and because the City is a drug free workplace, the City will not accommodate the medical use of marijuana and enforces written policy prohibiting working for the City while marijuana is in the body. The fact that state law recognizes medical marijuana as a prescribed, or otherwise permitted, medication does not alter or otherwise change this policy.

The City of Fort Collins is an Equal Opportunity Employer. Applicants are considered for positions for which they have applied without regard to race, color, religion, creed, national origin or ancestry, sex, sexual orientation (including perceived sexual orientation), gender identity and expression, disability, age 40 years or older, pregnancy or related condition, genetic information, and, in certain specific circumstances, marriage to a coworker or any other status protected under federal, state, or local law.

**BACKGROUND CHECK REQUIRED.**

Note: Some information in your application may be public information under the Colorado Open Records Act.