**Class Summary**

The responsibilities of this classification include performing journey-level technical or engineering design duties for wastewater treatment and conveyance projects. Incumbents are responsible for performing skilled drafting and design for small projects, reviewing work for accuracy and format, and conforming to accepted engineering drafting practices and standards.

**Distinguishing Characteristics**

This is the second level within a five-level classification series. The Wastewater Designer classification is considered to be the fully proficient journey level within the engineering designer classification series. The Wastewater Designer classification is distinguished from the Wastewater Designer - Senior classification in that incumbents within the Senior classification perform highly technical engineering design duties and responsibilities for larger projects and assume lead duties on a multi-disciplinary project basis.

**Examples of Duties**

*In addition to the duties of the Wastewater Designer - Assistant classification, the Wastewater Designer will:*

1. Perform engineering drafting and design assignments in the development of preliminary drawings and final plans using automated computer-aided design (CAD) system(s).
2. Perform field surveys and inspections. Make on-site measurements and as-built drawings for use in the design of projects and facility drawings.
3. Research potential equipment purchases to select materials and hardware that meet specific requirements of new construction or modification projects.
4. Review construction progress reports, field notes, contractor as-builts, and other data for the creation of project record drawings.
5. Prepare quantity take-offs.
6. Perform other duties as assigned.

**Knowledge/Skills**

Proficient in a variety of graphics and drafting techniques

Ability to perform mathematical computations for small design and drafting assignments

Ability to organize and prioritize workload and assignments to meet project schedules and deadlines

Ability to work independently with minimal supervision and as a team member

Ability to effectively engage in and sustain relationships with people from diverse cultures and socio-economic backgrounds

Ability to exert physical dexterity to accumulate field data for the preparation of detailed engineering drawings

Ability to effectively exchange information, problem solve, and use collaborative processes to successfully execute projects involving a diverse group of individuals from a matrixed organization

Skill in written and oral communication

Demonstrated proficiency with business applications, such as Microsoft Office suite and automated computer-aided design system

**Education and Experience Requirements**

And/or any combination of education and experience that clearly demonstrates the ability to perform the job duties of the position

**Licensing, Certification and Other Requirements**

Some licenses, certifications and other requirements determined to be necessary to meet the business needs of the employing unit may be required

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| **FLSA Designation** | Non-Exempt |
| **Service Status** | Career Service |
| **EEO Code** | 2 |
| **Levels within same series** | Wastewater Designer-Assistant, Wastewater Designer, Wastewater Designer-Senior, Wastewater Designer-Lead, Wastewater Designer-Supervisor |
| **Class History** | 01/1993 – Created10/2024 – Updated content and re-titled |