**Class Summary**

The responsibilities of this classification include performing technical engineering design duties and responsibilities for wastewater treatment and conveyance projects. Incumbents are responsible for performing at a high technical level in creating engineering graphics for the production of project plans and coordinating drafting tasks with other members of the drafting section.

**Distinguishing Characteristics**

This is the third level within a five-level classification series and is distinguished from the Wastewater Designer - Lead in that incumbents within the Lead classification perform advanced engineering design duties, develop work plans, and prepare specifications for projects within a distinct engineering discipline. Incumbents within the Wastewater Designer-Lead classification perform lead duties on a continuous basis.

**Examples of Duties**

*In addition to the duties for the Wastewater Designer classification, the Wastewater Designer - Senior will:*

1. Act as lead designer for a design team on a project basis.
2. Perform field investigations, as-built surveys, and measurements to produce finished contract, record, and facility drawings.
3. Coordinate with consultants; ensure compliance with King County standards.
4. Coordinate design and drafting work assignments; oversee and provide direction to staff members on appointed projects.
5. Develop cost estimates.
6. Perform other duties as assigned.

**Knowledge/Skills**

Knowledge of codes and regulations relevant to engineering drafting and design work

Skill in the production of technical graphics and drifting techniques

Skill in writing specifications

Skill in producing complex technical graphic layouts

Skill in written and oral communication

Ability to perform mathematical computations for all 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 exchange information, problem solve, and collaborate processes to successfully execute projects involving a diverse group of individuals from a matrixed organization

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

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

**Education and Experience Requirements**

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 – Created  10/2024 – Updated content and re-titled |