

**Title:** Engineer III - Water  
**PG:** 67  
**Status:** Civil Service  
**Position Reports to:** Engineering Supervisor  
**Department:** Water Utilities

**Class Code:** 202015  
**Date:** 09/08

**GENERAL DESCRIPTION OF CLASS:**

This is a highly responsible engineering position. An employee in this classification is responsible for the preparation, review, and acceptance of difficult and complex engineering assignments associated with planning, design, operation, and construction-based projects and studies. Work is under the general supervision of an administrative supervisor. Tasks afford the opportunity for independent judgment and action in planning details of work and in making technical decisions. Review is given by an administrative superior or a higher level engineer.

**ESSENTIAL FUNCTIONS:**

1. Prepares scope of work for a given project or study which may require data gathering, specifications, plans, diagrams, schematics, equipment/materials and cost estimates for required aspects of the project or study.
2. Project and study scope also includes project management and quality control work done by parties associated with the project or study.
3. Direction may be exercised over lower level engineering, technical, and trades personnel.
4. Investigates and analyzes plant operation and maintenance problems; determines solutions.
5. Designs and/or implements significant modifications or improvements to the plants or other City facilities.

**ADDITIONAL RESPONSIBILITIES:**

1. Assists other divisions and City departments on multi-disciplinary projects and studies.
2. Acts as a representative/liaison to other utility and industry organizations involved in the projects or studies.
3. May temporarily assume the responsibilities of a supervisor.
4. Acts as a representative/liaison with residential and commercial developers in all phases of the development.
5. Directs the efforts of an Engineering Technician and an Inspector assigned to facilitate the engineer's tasks.
6. Performs related work as required.

**KNOWLEDGE, SKILLS & ABILITIES:**

1. Extensive knowledge of fundamental and applied engineering sciences, principles, and practices.
2. Knowledge of general business practices, financial understanding & analysis.
3. Extensive skill in the use of drafting software, engineering and mathematical references.
4. Extensive skill with tables, charts, and computer equipment required in professional engineering work.
5. Ability to establish and maintain effective working relationship with co-workers, other City employees and the general public.
6. Ability to exhibit good leadership characteristics and responsibility.
7. Complete knowledge of the design of water and wastewater systems.
8. Complete knowledge of Utility standards and policies as they relate to development projects.

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**WORKING ENVIRONMENT/CONDITIONS:**

Requires sedentary and active work that involves walking or standing some of the time, exerting up to 10 pounds of force on a recurring basis, and routine keyboard operations. The job risks exposure to no significant environmental hazards. The job requires normal visual acuity, and field of vision, hearing, speaking, color perception, sense of smell, depth perception, and texture perception.

**QUALIFICATIONS (EDUCATION, TRAINING, AND EXPERIENCE):**

1. Graduation from an accredited four-year (4) college or university with a degree in engineering science.
2. Four (4) years of experience in related engineering work.
3. An equivalent combination of education and experience which is determined to be directly related to the foregoing specific requirements may be substituted.
4. Completion of City University Level one (1) or completion within twelve (12) months.

**SPECIAL REQUIREMENTS:**

1. Must possess a valid state of Florida driver's license. The employing division will indicate which class of license and/or endorsement is required.
2. Must maintain a valid home telephone number.
3. Ability to attend meetings and visit job sites at locations other than primary work assignment area.
4. May be required to pass and maintain qualification for:
  - a. Respiratory Protection Physical
  - b. Pulmonary Function
  - c. Qualitative and Quantitative Fit Test(s)
5. May be required to work overtime, or alternate hours, as necessary for the efficient operation of the department. Position may be designated as Mission Critical by Department Director.