

Title: Engineer II -Water
PG: 65
Status: Civil Service
Position Reports to: Engineering Supervisor
Department: Water Utilities

Class Code: 201915
Date: 09/08

GENERAL DESCRIPTION OF CLASS:

This is mid-level engineering work of a responsible nature. An employee in this classification is responsible for the performance of difficult engineering assignments associated with the planning and design of a variety of projects and studies. Work is assigned with objectives by a supervisor. The employee has opportunity for independent judgement and action in planning details of work and 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 of work done by parties associated with the project or study. May assume lead responsibilities over lower level employees.
3. Assists other divisions and City departments on multi-disciplinary projects and studies.
4. Acts as a representative/liaison to other utility and industry organizations involved in the projects or studies.
5. Acts as a representative/liaison with residential and commercial developers in all phases of the development.
6. Directs the efforts of an Engineering Technician and an Inspector assigned to facilitate the engineer's tasks.

ADDITIONAL RESPONSIBILITIES:

1. Performs related work as required.

KNOWLEDGE, SKILLS & ABILITIES:

1. Considerable knowledge of fundamental and applied engineering sciences, principles, and practices.
2. Considerable skill in the use of drafting software, engineering and mathematical references and tables, charts, and computer equipment required in professional engineering work.
3. Ability to establish and maintain effective working relationship with associates, consultants, contractor's employees, and the public.
4. Knowledge of water and wastewater system design criteria.
5. knowledge of Utility standards and policies as they relate to development projects.

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.

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QUALIFICATIONS (EDUCATION, TRAINING, AND EXPERIENCE):

1. Graduation from an accredited four (4) year college or university with a degree in engineering science.
2. Three (3) 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.

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. May be required to pass and maintain qualification for:
 - a. Respiratory Protection Physical
 - b. Pulmonary Function
 - c. Qualitative and Quantitative Fit Test(s)
4. 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.