



CITY ENGINEER

DEPARTMENT: PUBLIC SERVICES

GRADE 54

CHARACTERISTICS OF THE CLASS:

Under the supervision of the Deputy City Managers, performs professional engineering work which involves the design, construction, inspection and maintenance of City public works projects and facilities. Knowledge of civil engineering principles is required. Independent judgment and initiative in completing tasks is required. Work is reviewed and supervised by a professional engineer.

EXAMPLES OF ESSENTIAL FUNCTIONS:

1. Reviews and analyzes plans, applications, and specifications for the design and implementation of new subdivisions.
2. Conduct independent field engineering studies to investigate the causes of sewer, water, paving, and drainage problems.
3. Prepares and checks preliminary and final plans for the design of various city projects, such as streets, sewers and drainage projects.
4. Provides coordination, technical direction and supervision to subordinates engaged in the maintenance and construction of public facilities.
5. Performs professional engineering work in the field of Civil Engineering.
6. Advises the public on policies regarding public works activities.
7. Performs basic surveying functions, including gathering elevations and interpreting and extracting information from surveys.

REQUIREMENTS:

A. Training and Experience:

Bachelor of Science in Civil Engineering; supplemented by two (2) years of civil engineering related work or an equivalent combination of training and experience. Experience in the use of Computer Aided Drafting is required. Must be certified as an Engineering Intern by the State of Florida.

B. Knowledge, Abilities and Skills:

Knowledge of the principles and practices of civil engineering as applied to the design and construction of a variety of City public works project and facilities.

Knowledge of land and engineering surveys systems, methods and techniques.

Ability to analyze and evaluate data and documentation to determine compliance with drainage

requirements and to recommend appropriate solutions to problems.

Ability to adapt approved engineering methods and standards to the design and construction of a variety of city public works projects.

Ability to communicate ideas effectively both orally and in writing.

Ability to use engineering drafting and surveying equipment.

Ability to use scientific computation aids.

Ability to use Computer Aided Drafting Equipment (CADD).

Ability to prepare complex engineering drawings.

- C. Physical Requirements: 2**
- D. Environmental Requirements: 2**
- E. Sensory Requirements: 6,8, 9**