



## **CLASSIFICATION DESCRIPTION**

**TITLE: STORMWATER ENGINEER**

**JOB CODE: 20 (Exempt)**

## **GENERAL DESCRIPTION OF DUTIES**

Under executive direction, the purpose of the position is to perform professional engineering work to plan, coordinate and implement City Storm Water drainage development and maintenance operations. Employees in this classification perform at senior professional level, and are accountable for planning, development and management of projects in compliance with all applicable City/State/federal codes and regulations, and according to all acceptable engineering practices. Position is also responsible for developing and administering short and long term projection lists for stormwater system maintenance. Employee works with a high degree of independence and initiative, and may confer with the Deputy City Manager on matters involving unusual development or planning problems.

## **SPECIFIC DUTIES AND RESPONSIBILITIES**

The list of essential functions, as outlined herein, is intended to be representative of the tasks performed within this classification. It is not necessarily descriptive of any one position in the class. The omission of an essential function does not preclude management from assigning duties not listed herein if such functions are a logical assignment to the position.

- Trains and coordinates with engineering and technical support staff.
- Plans and manages City Storm Water Drainage System engineering projects, programs and operations to ensure planning, development and construction are in compliance with all applicable City/State/federal codes and regulations, and according to all acceptable engineering practices.
- Manages all Master Storm Water Drainage System Maintenance Contracts.
- Manages and evaluates Hydraulic Analysis of all City Drainage Basins.
- Reviews and submits recommendations on City planning and development issues relative to stormwater.
- Performs highly complex engineering and design work of the City's Storm Water infrastructure projects; manages design and construction contracts and projects.
- Manages, reviews and approves Storm Water infrastructure design and construction; ensures all work is approved for compliance with all applicable codes, ordinances, and regulations.
- Develops, administers and enforces policies, rules and regulations of public Stormwater

system infrastructure for all existing, proposed improvements and new construction.

- Performs field work, surveys and site inspections; directs and reviews engineering work in the construction, maintenance and repair of municipal Storm Water Drainage System.
- Provides technical information and interpretation to the general public, developers, permitting agencies, consultants, contractors and other City staff.
- Advises City Manager, department heads and other officials on Storm Water Drainage System planning policies; provides information and interpretation of codes and regulations regarding development issues.
- Researches, prepares reports, drafts specifications, and presents recommendations for special Storm Water Drainage System construction and improvement projects and Capital Improvement Programs.
- Performs Storm Water review of commercial and residential developments for the Development Review Committee; participates in a variety of special review boards and committees.
- Maintains active communication with contractors, engineers, surveyors, government agencies and the general public for any engineering, surveying or construction issues.
- Performs related duties as directed.

#### **MINIMUM TRAINING AND EXPERIENCE**

Bachelor's Degree in Civil Engineering or related engineering field; supplemented by ten (10) years highly responsible technical experience in engineering; or an equivalent combination of education, training, and experience.

#### **LICENSES, CERTIFICATIONS OR REGISTRATIONS**

Must be a Registered Professional Engineer in the State of Florida.  
Must possess and maintain a valid Florida Driver's License.

#### **KNOWLEDGE, SKILLS AND ABILITIES**

- Ability to understand and follow complex written and oral instructions.
- Ability to clearly communicate information both verbally and in writing.
- Ability to effectively supervise and train a staff comprised of entry and journey level professionals engaged in carrying out departmental functions.
- Thorough knowledge of civil engineering principles, practices and methods as applicable to Storm Water Drainage Systems.
- Thorough knowledge of the principles and practices of public works engineering and Storm Water Drainage System operations.

- Thorough knowledge of current codes and regulatory standards governing the state's engineering activities of public works construction and renovations.
- Knowledge of advanced level mathematical computations, including geometry, trigonometry and calculus.
- Skill in design and development of improvement and project plans, related work specifications, and related design formats that render proposed project concepts.
- Skill in researching, compiling, and summarizing statistical data and related materials.
- Ability to access, operate and maintain various software applications.
- Ability to operate basic office equipment, e.g., computer terminals, printers, copy machines, telephone systems, facsimile machines.
- Ability to establish and maintain effective working relationships with departmental personnel, management, contractors, consultants and the general public.

### **PHYSICAL REQUIREMENTS**

- While performing the essential functions of this job, the incumbent is frequently required to lift, move or carry objects up to 40 pounds; may utilize feet and legs or hands and arms; maintain body equilibrium to prevent falling when walking, standing, crouching, or navigating narrow, slippery, or erratically moving surfaces; bend body downward and forward by bending spine and legs; move about on hands and knees or hands and feet; use hands to finger, handle or feel objects; and to reach with hands and arms.
- While performing the essential functions of this position the employee may be exposed to fumes, gases, odors or airborne particles; toxic or caustic substances; excessive noise; extreme temperatures; and dampness, wetness and humidity.

The City of Palm Coast, Florida is an Equal Opportunity Employer. In compliance with the Americans with Disabilities Act, The City of Palm Coast, Florida will provide reasonable accommodations to qualified individuals with disabilities and encourages both prospective and current employees to discuss potential accommodations with the employer.