

**STORMWATER ENGINEER**

**SUMMARY:** Under general direction, performs engineering and watershed management work for the City of West Palm Beach. This position involves the application of a high level of professional engineering knowledge and skills to watershed management planning, project designs and development regulations. Provides direct support to the Director of Public Utilities, Director of Public Works, and Director of Engineering Services; responsible for all engineering aspects of the development and implementation of a citywide, comprehensive stormwater management program; provides technical storm water review of development plans including technical interpretations and policy recommendations related to the City Code; and performs related duties as assigned.

**ESSENTIAL FUNCTIONS:** *(Essential functions, as defined under the Americans with Disabilities Act, may include the following tasks, knowledge, skills and other characteristics. This list is ILLUSTRATIVE ONLY and is not a comprehensive listing of all functions and tasks performed by incumbents of this class.)*

**DUTIES AND RESPONSIBILITIES:** *(which are not in any hierarchical order)*

1. Plans, designs, coordinates and manages public stormwater and water quality projects.
2. Manages the work of outside consultants; develops schedules for design, bidding and construction.
3. Prepares, and reviews project schedules; investigates and resolves schedule on assigned projects.
4. Provides technical direction, project management, and assistance to developers, consultants, outside agencies and engineering staff regarding projects.
5. Prepares and reviews RFQ's and RFP's for professional engineering services for various City stormwater related projects; assists other departments with engineering recommendations and selections of consultants/contractors.
6. Performs construction management and field observations for various City stormwater projects.
7. Provides supervision, technical direction and assistance to Project Engineers, with regard to stormwater issues.
8. Coordinates City stormwater projects with other municipalities and agencies.
9. Prepares budget estimates for all capital improvement stormwater projects; approves materials, methods, equipment, specifications, cost estimates and other documents related to project design and construction. Negotiates contracts for best value to the City.
10. Prepares and presents written and oral reports on stormwater issues and projects for City Administration, City Commission, Boards, and the public.
11. Performs research, analyzes findings; prepares recommendations for project planning needs.
12. Responds to and resolves citizen inquiries and complaints regarding stormwater issues and projects.
13. Reviews development permit applications and confers with private and public sector developers and engineering consultants regarding the development of drainage plans, calculations and the best management practices for surface water quality and wetland protection and mitigation.
14. Assists the Engineering Services Director on the program budget, legislation and other administrative items as requested.
15. Works closely with other stormwater utility staff and provides guidance and technical review of their work.

**KNOWLEDGE, SKILLS AND ABILITIES:**

- Knowledge of standard and prevailing stormwater engineering principles and practices including flood routing and pipe sizing calculation methods.
- Knowledge of project management, preparing RFQ's and RFP's, evaluating contracts, preparing budget estimates, and negotiating prices with contractors.
- Knowledge of supervisory principles and practices.
- Knowledge of public works design, standards and construction and the methods, materials and techniques used in the construction of stormwater projects.
- Knowledge of city, state, and federal laws, ordinances and regulations governing municipal engineering.
- Knowledge of water quality, wetland principals and shoreline protection strategies.

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- Skill in making decisions regarding project priorities, costs, and alternatives.
- Skill in performing research, analyzing findings, preparing and presenting reports to City Administration, Boards and City Commission.
- Skill in operating standard office equipment including a personal computer and related software.
- Ability to manage various City stormwater projects and perform construction observations.
- Ability to communicate effectively, both orally and in writing.
- Ability to establish and maintain effective working relationships with those contacted during the course of the work.
- Ability to develop and/or review various land development plans that are in conformance with governmental ordinances, codes and regulations.

**PHYSICAL REQUIREMENTS AND WORK ENVIRONMENT:** Work involves moderate work generally in an office setting. There is frequent need to walk, sit, talk or hear, use hands, and perform other similar actions during the course of the workday. There is an occasional lifting of moderately heavy objects up to 20 lbs. The City of West Palm Beach promotes a drug/alcohol free work environment through the use of mandatory pre-employment drug testing.

**MINIMUM QUALIFICATIONS:** Bachelor's degree from an accredited college or university with a major in environmental or water resource engineering or related field and five (5) years of experience in stormwater management/water resource engineering, or any equivalent combination of training and experience. Professional Engineer's registration in the State of Florida, required, or through reciprocity, the ability to obtain same. A valid Florida driver's license is required. A valid driver's license from any state (equivalent to a State of Florida Class E) may be utilized upon application; with the ability to obtain the State of Florida driver's license within 30 days from day of appointment.

**Highly desirable:**

- Completion of a Master's degree.
- Experience in hydrologic, hydraulic and water quality modeling, wetland mitigation, soil erosion and sediment control.
- Experience in watershed planning, flood control, floodplain management and the administration of a stormwater management regulatory program.
- Ability to analyze drainage components (and supportive calculations) of development site plans.
- Knowledge of and participation in stormwater related efforts of federal, state, county and local government agencies.