



## **Senior Stormwater Analyst/Design Engineer – Civil Engineering**

Florida Design Consultants, Inc. offers a competitive salary commensurate with skills and experience.

### **Responsibilities and Duties**

- Responsible for analysis of watersheds associated with land development and public works projects
- Use GIS datasets to ascertain existing site and watershed conditions
- Watershed analysis will include the establishment of existing conditions using the best available data to define basin, node, and link characteristics, land use/cover, and soils conditions
- Watershed analysis might also include obtaining and using publicly available regional watershed models prepared by others and updating parameters based on more recently available topographic and publicly available regulatory data
- Responsible for the design of stormwater management systems for private land development and public works projects, including but not limited to subdivisions, commercial/office/institutional sites, roadways, etc.
- Design responsibilities will include sizing/configuring stormwater management ponds and systems, and their associated outfall structures, adhering to both state and local design criteria, over which the team member would be responsible to gain a mastery
- Design responsibilities will include modeling the post-developed condition of the watershed with design projects included to demonstrate that they meet the design criteria
- Preparation of Master Stormwater Reports, permit applications, and other documents/information in support of applications for regulatory permits relating to stormwater
- Preparation of applications to FEMA for Letters of Map Revision (LOMRs)
- Preparation of responses to agency requests for additional information during the regulatory permitting process
- Responsible to guide technical staff responsible for plan preparation by giving instruction, preparing mark-ups of plans, and offering guidance
- Responsible to show leadership in the subject area by staying current concerning stormwater regulations, the status of regional models, and software/technology

### **Required Knowledge & Technical Skills**

- BS (Minimum) in Civil or Environmental Engineering (Water Resource emphasis preferred)
- Florida P.E. license, or the ability to obtain it by reciprocity or other means within one year or less
- Proficiency in using ESRI GIS
- Working knowledge of AutoCAD Civil 3D software
- Proficiency in using multiple watershed modeling software packages.
- Proficiency in using ICPR (Interconnected Channel and Pond Routing Model) software, or the ability to learn it
- Familiarity with one or more storm sewer hydraulics software packages

### **Interpersonal/Office Skills:**

- Ability to work in a multi-disciplinary team environment.
- Ability to work on several projects simultaneously.
- Positive work ethic
- Punctuality
- Ability to meet given project and production deadlines.