

Coastal Engineering Consultants
Bonita Springs, FL

Job Description for Coastal Designer and Engineering Technician

JOB TITLE: CADD Designer

SUMMARY:

Produces survey and design drawings and maps and exhibits in support of the coastal, marine, survey, and environmental projects undertaken by the company. Performs non-routine and complex technical assignments. Selects and adapts plans, techniques, designs and/or layouts.

ESSENTIAL DUTIES AND RESPONSIBILITIES include the following. Other duties may be assigned.

- Use computer assisted engineering and design software and equipment
- Prepare concept plans, permit drawings, design plans, and construction plans
- Prepare existing condition surveys, sketch of descriptions, legal descriptions, stake-out plans, and related survey drawings and deliverables
- Calculate design data and quantity estimates
- Prepare graphics, maps, and exhibits for reports
- Prepare color renderings
- Responsible for quality assurance and quality control measures for CADD drawing preparation
- Provide technical support and training to others in area of expertise
- Analyze drawings to determine technical adequacy of drawings and designs
- Assist with site inspections including preparing field notes and sketches of project features

QUALIFICATION REQUIREMENTS:

To perform this job successfully, an individual must be able to perform each essential duty satisfactorily. The requirements listed below are representative of the knowledge, skill, and/or ability required.

EDUCATION and/or EXPERIENCE:

High School Diploma and Technical Training with CADD or equivalent in job experience. Experience with computers, interfacing with electronic equipment, and familiarity with technical computer programs.

LANGUAGE SKILLS:

Ability to read, analyze, and interpret, construction plans, construction specifications, general business periodicals, professional journals, technical procedures, or governmental regulations. Ability to effectively present information and respond to questions from peers, clients, and stakeholders. Have excellent written and oral communication skills (English).

Coastal Engineering Consultants
Bonita Springs, FL

Job Description for Coastal Designer and Engineering Technician

JOB TITLE: CADD Designer

MATHEMATICAL SKILLS:

Ability to apply concepts such as fractions, percentages, ratios, and proportions to practical situations. Ability to apply concepts of algebra, geometry, and trigonometry.

REASONING ABILITY:

Ability to define problems, collect data, establish facts, and draw valid conclusions. Ability to interpret an extensive variety of technical instructions in mathematical or diagram form and deal with several abstract and concrete variables.

CERTIFICATES, LICENSES, REGISTRATIONS:

Valid driver's license.

PHYSICAL DEMANDS:

The physical demands described here are representative of those that must be met by an employee to successfully perform the essential functions of this job.

While performing the duties of this job, the employee is regularly required to sit; use hands and fingers to handle or feel objects, tools, or controls; and reach with hands and arms. The employee frequently is required to talk or hear. The employee is occasionally required to stand; walk; and stoop, kneel, crouch, or crawl.

The employee must frequently lift and/or move up to 10 pounds and occasionally lift and/or move up to 25 pounds. Specific vision abilities required by this job include close vision, distance vision, color vision, depth perception, and the ability to adjust focus.

WORK ENVIRONMENT:

The work environment characteristics described here are representative of those an employee encounters while performing the essential functions of this job. While performing the duties of this job, the employee occasionally works in outside weather conditions, possibly for extended assignments. The noise level in the office work environment is usually moderate. The noise level on construction sites is often loud.

Reasonable accommodations may be made to enable individuals with disabilities to perform the essential functions.

REPLY TO: mpoff@cecifl.com, Provide Resume, References, Sample Portfolio, Salary History