



## GEOTECHNICAL ENGINEER

### JOB SUMMARY

Serve as the Geotechnical Engineer for Y2 Consultants and interface with company staff and clients on geotechnical, soils laboratory, field inspections program, and environmental related projects and related components of projects.

### MAJOR TASKS, DUTIES, AND RESPONSIBILITIES

1. Geotechnical
  - a. Provide investigation design, cost estimates, scope-of-work, contracts, and coordination for geotechnical investigations and soils laboratory analysis.
  - b. Conduct field investigations for geotechnical and environmental projects.
  - c. Perform sampling and logging of drill holes and test pits.
  - d. Conduct Standard Penetration Test (SPT), field tests for the identification of soils using the Unified Soil Classification System including grain size and gradation, toughness, dilatancy, dry strength, etc.
  - e. Collect, analyze, and interpret geotechnical data for building foundations, roads, other engineered structures including bearing capacity, settlement, and erosion.
  - f. Conduct slope stability analyses using GeoStudio Slope/W software.
  - g. Provided field observations, data, maps, and calculations in geology, geotechnical, and environmental reports.
  - h. Provide project and site management of geotechnical and environmental projects to ensure worksite and project safety.
  - i. Interface with Y2 staff to coordinate geotechnical and environmental related aspects of projects.
2. Soils Laboratory
  - a. Manage all aspects of soils mechanics laboratory tasks including scheduling, performing analysis, quality control/quality assurance, reporting, ordering supplies, and equipment maintenance.
  - b. Perform geotechnical laboratory tests including sieve analysis, Atterberg Limits, specific gravity, moisture content, Proctor, and modified Proctor.
3. Field Inspection Program
  - a. Provide oversight of Engineering Technician's work related to inspections of walls, roads, etc.
  - b. Provide oversight of the Nuclear Gauge program.
  - c. Interface with Geotechnical and Civil leads to schedule engineering technician field time and work products.
4. Teamwork and Leadership
  - a. Maintain a positive working relationship with team members to interact with them on projects.
  - b. Collaborate with Y2 management and other teams to prioritize projects, workloads and needs.
  - c. Work with clients to ensure projects are meeting their goals and needs, then communicate necessary adjustments to management, teams, and owners.

- d. Work within team to resolve internal conflicts and avoid escalation of issues.
- e. Engage in appropriate professional development to enhance performance and to gain or maintain certifications.
- f. Model appropriate professional standards, mentor junior staff and other team members as necessary.

### **QUALIFICATIONS & REQUIREMENTS**

Geotechnical engineer with 5 years' experience conducting field subsurface investigations using drill rigs, backhoe, trackhoe, and other sampling methods. Professional Engineer License is required. Experience conducting SPT, sample collection, field and laboratory analysis of soils. Experienced in evaluating sites for access of equipment and site workers safety. Must have excellent written and verbal communication skills, attention to detail and ability to work independently. Experience with designing retaining walls, GeoStudio Slope/W software, AutoCad, GIS and Microsoft Office Products. Experience, education or training in Engineering Geology is a plus.

### **BENEFITS**

This position is a full-time, benefited position. Benefits include *vision, dental and medical insurance; a 401(k) plan; paid time off; short- and long-term disability insurance.*

**TO APPLY:** Email the items below to [jobs@y2consultants.com](mailto:jobs@y2consultants.com) with the job title as the subject line

- Letter of Interest/Cover Letter
- Resume
- References (3 or more)