

# JOB DESCRIPTION

#### **POSITION TITLE:**

Geotechnical Engineer

### **DEPARTMENT:**

**GEO** 

#### **INCUMBENT:**

#### **REPORTS TO:**

Geotechnical Group Lead

#### DATE:

April 2023

## **GENERAL FUNCTION:**

Geotechnical Engineers plan, direct, manage and organize field explorations, geotechnical analysis, laboratory testing, and environmental conditions and generates reports for the assigned project.

## **ESSENTIAL DUTIES & RESPONSIBILITIES:**

- Manage geotechnical and geological analysis, manage staff, budgets, and supporting sub consultant, conduct research, perform preliminary geological reconnaissance, geotechnical and geological studies, review testing results, and develop design recommendations.
- Direct geotechnical field observation and testing programs.
- Interface with client, design team and public.
- Make decisions on significant design and engineering procedures and function as a technical specialist.
- Coordinate with team members including driller, CAD technicians, laboratory manager/technicians, documents production and drafting.
- Develop and manage field work for geotechnical and geological studies in accordance with various public agencies and industry standards.
- Prepare documents detailing analysis and recommendations.
- Critically review testing results, design recommendations, and documents detailing the studies/projects conducted.
- Prepare proposals with scope, fee and schedule.

## **QUALIFICATIONS:**

- Bachelor's in Civil Engineering; specialization in geotechnical engineering or related field.
- Excellent physical stamina. A valid driver's license.
- Proficiency in Geotechnical engineering software.
- Great interpersonal skills.
- · Exceptional oral and written communication skills.
- Strong organizational skills. Ability to work in a team or individually as and when required.
- Ability to manage and handle multiple tasks.
- Outstanding problem-solving skills. Exceptional attention to detail.
- Good time management abilities. Strong decision-making skills.



## **PHYSICAL DEMANDS:**

The physical demands described are representative of those that must be met by an employee to successfully perform the essential functions of the job. Reasonable accommodations may be made to enable individuals with disabilities to perform essential functions.

Employee is regularly required to use hands to fingers, handle, or feel; reach with hands and arms; climb or balance; and talk or hear. The employee frequently is required to stand, sit, walk, stoop, kneel or crouch. Employee must be willing to work in varying weather conditions and temperatures. The employee must regularly lift and/or move up to 10 pounds, and occasionally move up to 50 pounds. Specific vision requirements include close vision, distance vision, color vision, peripheral vision, depth perception, and ability to focus.

## WORK ENVIRONMENT:

Characteristics of the work environment are representative of those that may be encountered by an employee while performing the essential functions of the job. Reasonable accommodations may be made to enable individuals with disabilities to perform essential functions.

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the job to be perform	ed.		
Employee	 Date	Supervisor	Date

