Job Description

Job title | Staff Engineer
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Reports to | Principal Engineer

**Job Purpose:** The Staff Engineer will design, develop and engineer a broad range of projects of the physically and naturally built environment from conception through to completion.

**Summary of Roles and Responsibilities**

- Perform structural calculations, create structural drawings and details, create site plan, design BMP plans, and perform BMP calculations.
- Perform design duties including floor plans, building sections and elevations for residential and commercial projects.
- Act as a co-project manager with the Principal Engineers.
- Interface with clients, government agencies, utility districts, fire departments and outside consultants including architects, designers and other engineers.
- Provide input on project budget and schedule.
- Perform client site visits.
- Manage, design, develop, create and maintain engineering and design plans for a broad range of construction projects in a safe, timely and sustainable manner.
- Conduct on-site investigations and analyze data (maps, reports, tests, drawings and other applicable information).
- Carry out technical and feasibility studies and create construction documents with supporting engineering calculations that satisfy technical specifications and code requirements.
- Assess potential risks, materials and costs.
- Provide advice and resolve creatively any emerging problems/deficiencies.
- Monitor progress and compile reports in project status.

**Qualifications**

- Proficient in AutoCAD. Proficiency in SketchUP is desirable.
- Be able to use a variety of computational software and will also be required to perform hand calculations.
- Proven working experience in civil or structural engineering.
- Proficiency in site layout, grading, utility design, erosion control, regulatory approvals etc.
- Project management and supervision skills.
- Strong communication and interpersonal skills.
- Licensed or ability to obtain license of a California Professional Civil or Structural Engineer.
- BS in Civil or Structural Engineering.
- Must have a Driver’s License and use of a vehicle to drive to project sites.
Physical Requirements:

- Work both indoors and outdoors.
- Work from a vehicle while at project sites.
- Work in inclement weather with proper dress appropriate for conditions.
- Work inside a building without heat or air conditioning.
- May be required to wear protective gear, such as hard hat, work boots, eye and ear protection.
- Sometimes work in noisy or distracting work environments.
- Able to walk and stand for long periods of time.
- Able to stoop, bend and climb ladders.
- Able to sit for long periods of time.

DISCLAIMER: The preceding job description has been designed to indicate the general nature and level of work performed by employees within this classification. It is not designed to contain or be interpreted as a comprehensive inventory of all duties, responsibilities, and qualifications required of employees to this job.