

## **SUBSURFACE UTILITIES ENGINEERING POSITION**

UIT is taking the profession of subsurface utility engineering and mapping to a new level with the most recent advances in near surface geophysics, positioning systems, software, and deliverables. This is a hands-on position with a great mix of field and office responsibilities and considerable opportunity for career advancement with a Fortune 100-affiliated company. This is not an entry-level position. Field work includes using a wide range of geophysical tools to image the underground environment, with an emphasis on detecting and mapping utilities and related structures. Engineering survey capabilities a plus, but not required. Position requires knowledge of confined space entry, all utility systems construction, traffic control requirements for survey operations, and use of a variety of pipe and cable locators. Office work includes all QA processes involved in preparing proposals and deliverables such as review and correlation of utility records to field work, follow-up with utility owners, and preparation of utility maps and reports. Experience with project management and scheduling, oral and written communication, and presenting technical information to a variety of clients including utility owners, project managers, municipal agencies, engineers, and land surveyors is necessary.

Significant experience with site management of designating and locating is required. Designating skills through the use of pipe and cable locators is highly critical; locating is limited to the management of sub-contractors, and data collection of exposed utilities. Technical understanding of land survey methods and processes, global positioning systems (GPS), geophysical mapping, ground penetrating radar (GPR), aerial photography, and (or) Computer Aided Design (CAD) a plus.

### **Minimum requirements:**

- Minimum 5 – 7 years' experience in field designating and locating subsurface utilities of all kinds; Engineering Degree (PE track preferred) and(or) formal technical training and certifications
- Willing to travel frequently throughout the US and Canada
- Valid driver's license; U.S. Citizen or have a US work permit
- Basic Computer skills and software products; Expertise in AutoCAD/Microstation and use of Survey-Grade GPS & total stations a significant advantage
- Strong leadership and communication skills
- Mechanically adept, independent, strong ability to improvise and trouble shoot in the field, and flexible.
- Must be a team player, self-driven and responsible

### **Principle Duties and Responsibilities**

- Field identifying, locating, and marking subsurface utility infrastructure through the use of surface geophysical equipment with the aid of maps, utility as-builts, and sketches
- QA processes leading to deliverables including utility and other structures maps and reports
- Scheduling, managing, and overseeing projects
- Learning and applying operations of advanced geophysical techniques such as 3D GPR/EM/Seismics
- Mentoring junior staff and training others on field work and instrument use
- Maintaining knowledge of opportunities within the industry and proposal development
- Communicating field information to in-house staff and Clients

### **Compensation**

- Based upon experience and licensure

Please send Letter of Interest, Resume or CV, and Three References to

[humanresources@uit-systems.com](mailto:humanresources@uit-systems.com)