

# SUBSURFACE UTILITY ENGINEERING

**CALTROP®**



CALTROP's commitment to providing solutions to complex projects translates to utility damage prevention and feasible constructability of design projects avoiding underground utility conflicts. Our dedicated team of professionals has the expertise, knowledge and commitment necessary to oversee utility-related projects from start to finish. Our service model is geared towards minimizing conflicts with underground utilities, avoiding schedule delays and overrun budgets while preventing damages to facilities.

The knowledge of the location of underground utilities is a proven advantage to any design project. The key to subsurface utility engineering lies on performing the investigations during the design phase. Studies have shown that for every dollar spent on subsurface utility engineering approximately four dollars are saved at project completion. The CALTROP Team will provide accuracy, quality and reliability to every client with resourcefulness and responsiveness unmatched by competitors.

With the use of technology and advanced equipment, our team can locate, designate and map underground utilities, delivering thorough reports and drawings compatible with any CAD / GIS program. Experienced in all quality levels of subsurface utility engineering services (according to the American Society of Civil Engineers), CALTROP's Subsurface Utility Engineering (SUE) team is qualified to provide:

- Utility Records Research
- Utility Designation (Horizontal Marking with geophysical methods)
- Utility Location (exposing utilities with non-intrusive methods)
- Utility Mapping
- Utility Surveys

Our team is eager and ready to provide our clients with a level of service and quality of work that exceeds expectations.