



CIVIL ENGINEERING
PLANNING
LANDSCAPE ARCHITECTURE
SURVEYING/GEOMATICS
DRY UTILITY DESIGN

SUBSURFACE UTILITY ENGINEERING SERVICES



By combining innovative technologies and decades of land development experience, VIKA surveyors provide detailed, accurate information that helps our clients make crucial decisions at the beginning of every project. VIKA offers subsurface utility engineering (SUE) - utility designation, surveying, mapping, and location - and GIS services. Our licensed surveyors employ advanced knowledge and equipment to safely detect the presence of subsurface utilities and map their position. Some of these utilities include gas, electric, phone, fiber optic, CATV, water, traffic signal lines, and others.

WHY ENGAGE VIKA

VIKA's extensive surveying reports bring value early in the design phase by compiling highly accurate existing conditions data that:

- Identifies risks and costly utility relocations or conflicts that could delay the project
- Increases site coordination efficiency
- Saves time and money during construction



CONTACT

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As part of VIKA's civil engineering and land development resources, our SUE services are performed in house following the procedures and quality standards of the American Society of Civil Engineers (ASCE) CI-38-02.

SERVICES

Locating - ASCE Quality Level A (QL-A) known as "test holes"

It provides the highest level of accuracy for the horizontal and vertical position of underground utilities, their plan and profile, by exposing them at specific points. It also identifies the type of utilities, size, condition, material, and other underground features. Exposure is typically achieved through hand digging or air-vacuum excavation. The base survey is also updated with information from this service level. VIKA provides complete coordination for this service.

Designation - ASCE Quality Level B (QL-B)

It applies surface geophysical methods to determine the existence and horizontal position of detectable underground utilities within an area of interest. Base survey information is updated using these findings.

Initial Survey and Mapping - ASCE Quality Level C (QL-C)

It involves surveying visible, above-ground utility facilities and correlating them with existing utility records.

Utility Research - ASCE Quality Level D (QL-D)

Largely used for project planning and advanced route selection activities, it exclusively gathers data from existing utility records or recollections.

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