

## Subsurface Utility Engineering



Hydro-Klean offers comprehensive Subsurface Utility Engineering (SUE) services for mapping, planning, preliminary design, final design, and construction purposes. SUE uses a combination of technologies and tools to determine the location of underground utilities, establish the quality level of subsurface utility information and to manage that level of information for use in utility, roadway or building construction.

### Utility information quality levels include the following:

- Quality Level D - Information from existing utility records
- Quality Level C - Field survey of above-ground utility facilities
- Quality Level B - Information obtained through the use of geophysical techniques and field survey
- Quality Level A - Information obtained through the use of non-destructive digging equipment and field survey

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### SUE Services Offered:

- GIS Mapping and Applications
- Records Research
- Utility Location
- Field Survey/GPS
- Geophysical Methods including: magnetic, electromagnetic, and acoustic
- Ground Penetrating Radar
- Electronic Sound Equipment
- Pipeline Video Inspection
- Non-Destructive Vacuum Excavation
- Data Management and Presentation
- Engineering Certification
- Right-of-Way Location and Acquisition

Hydro-Klean provides SUE services through strategic alliances with Snyder & Associates and Great Plains Locating Services, Incorporated. Snyder & Associates is a full service civil engineering firm with extensive experience in utility design and construction. They have been instrumental in the development of Urban Design Standards for 34 governmental agencies in central Iowa, which includes designating the location for utilities in new street corridors to facilitate the installation, operation and maintenance of the utilities. They also have developed utility corridors for new and relocated utilities.

Great Plains Locating Service, Inc. is a national leader in underground utility locating. Founded in 1993, GPLS performs accurate and timely locates for scores of clients in many Midwest states. In addition to underground facility locating, GPLS offers a variety of one-call and utility management technology solutions. Their commitment to quality, timeliness and value is the standard by which others are measured.

