

Subsurface Utility Engineering

Reducing Risk Before You Break Ground

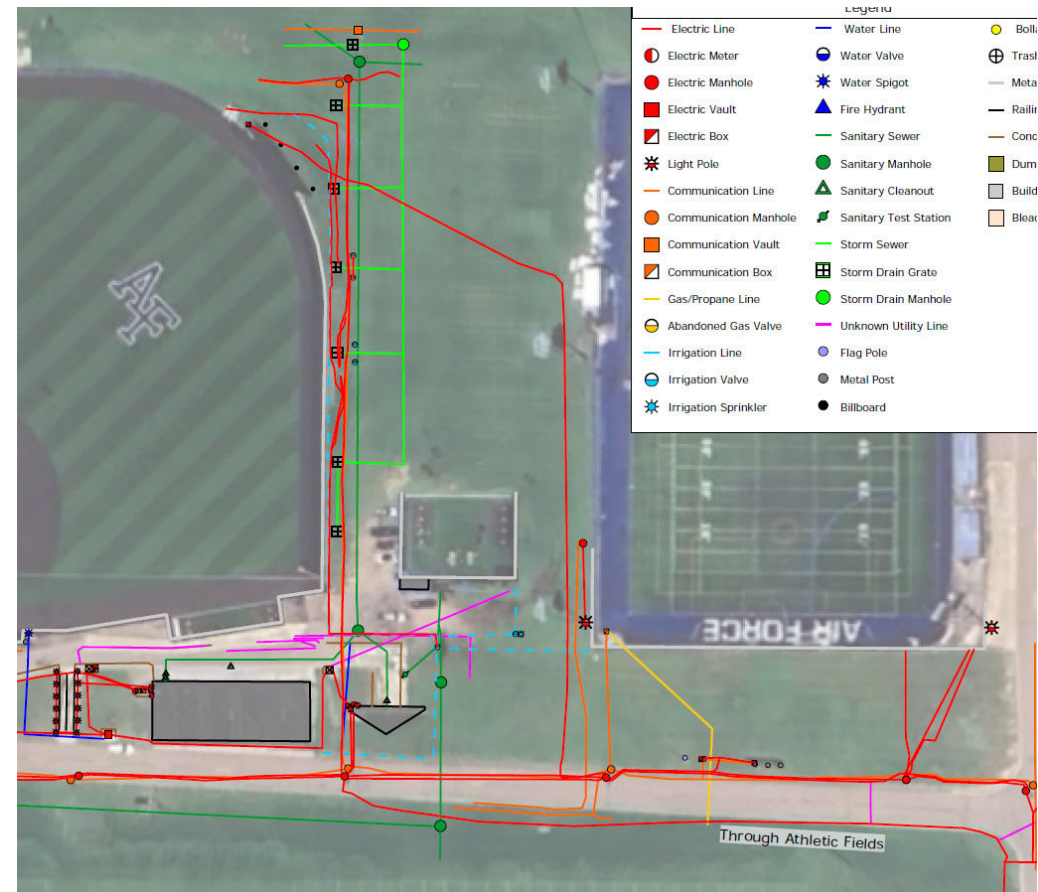
Subsurface Utility Engineering (SUE) identifies and maps existing underground utilities early in a project's lifecycle – helping teams reduce risk, avoid costly surprises, and make informed design decisions before construction begins.

Terracon's SUE services support safer, more efficient planning for infrastructure and site development projects.

Why SUE Matters?

SUE services are most valuable during planning and design, particularly for projects with complex subsurface conditions. Early utility identification helps:

- Reduce construction delays and redesign
- Minimize change orders and utility conflicts
- Improve jobsite safety
- Protect existing infrastructure



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Subsurface Utility Engineering (SUE) is performed in accordance with ASCE 38-22.

There are four quality levels to SUE. Each level builds upon the previous one, increasing confidence and reducing risk.

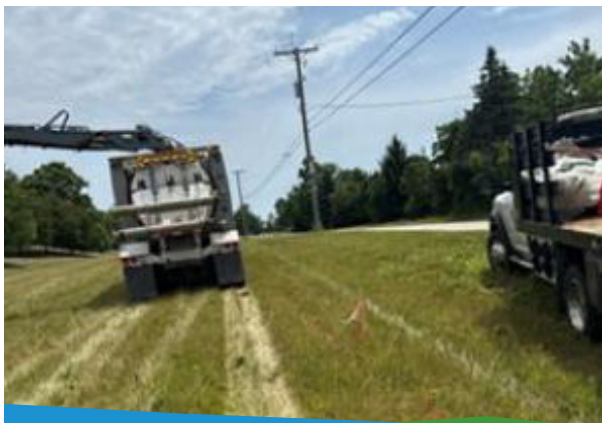
- Quality Level D - Records review
- Quality Level C - Survey of existing utility features
- Quality Level B - Geophysical designating
- Quality Level A - Locating via hydro excavation



Who Uses SUE?

- Civil engineers and designers
- Project managers and owners
- Transportation agencies
- Power and gas
- Telecommunications
- Federal and institutional clients
- Universities and large campuses

*Early utilities detection
saves dollars, delays,
and headaches.*



Advanced Tools. Better Insight.

Advanced geophysical technologies deliver clearer subsurface insights that support better decisions and smoother projects. Our large fleet includes:

- **Multi-channel, GPS-integrated GPR** for efficient, high-confidence coverage
- **Electromagnetic and magnetometer systems** that detect utilities others may miss

