

## SUE Presentation on ASCE 38-02

### The Standard Guideline for the Collection and Depiction of Existing Subsurface Utility Data

#### Definitions

ASCE- American Society of Civil Engineers

Geophysics- The science devoted to the study of the physical properties and processes of geological phenomena, including fields such as meteorology, oceanography and seismology.

Gradiometer- Instrument that contains two sensors separated vertically. The top sensor measures the strength of Earth's magnetic field. The bottom sensor measures the strength of Earth's magnetic field as altered by any near-surface anomalies.

Morphology- The scientific study of the formation, alteration and configuration of landforms and their relation to underlying structures.

Remote Sensing- The science of gathering data on an object or area without direct contact. Examples include Ground Penetrating Radar (GPR) or LIDAR (Light Detection and Ranging).

RFID Technologies- Radio Frequency Identification Technology. Examples would be the use of Radio Detection equipment to perform SUE Quality Level B; above ground Designation of subsurface utilities.