On average, a utility line is damaged every six minutes in the United States. Common Ground Alliance (CGA) “over the past 20 years utility hits have resulted in $1.7 billion in property damage.” 1,906 injuries, and 421 deaths - 379,000 damages reported in the US - 20% increase in utility damages on a National level from 2015 –2016.
About us

SUBSURFACE INVESTIGATION

Post Tension Cable, Rebar & Conduits

Gas & Electric Lines

Water & Sanitary Lines

Storage Tanks

Sub Grade Voids
**Ground Penetrating Radar (GPR)**

GPR works by sending an electro magnetic pulse of energy from an antenna into a particular medium such as concrete or the ground.

When the pulse contacts something different than the material it generates a reflection back to the antenna.

This reflection is displayed in real time for the operator to mark the item at the surface. Item depth and reflection strength are noted.
SIR 4000 GPR Display Unit
350 HS/400 MHz Utility Antenna
Radio Detection RD-8100
(electromagnetic tone induction)
TARGETS
- Gas Lines
- Water Lines
- Electric Lines
- Sanitary Lines
- Communication Lines
- Underground Storage Tanks
- Void locating

ACCURACY
- +/- 4-10’ Depth Penetration
  (per soil conditions)
- +/- 6” accuracy on depth
- +/- 6” left and right of center
- Rule of thumb: 1” per foot
- GPRS recommends staying 1’ off all markings
Native undisturbed soil  Utility trench  Utilities in trench

Product line  UST  Product line
REPORTING SERVICES

Job Summary Report | Basic Written Report | Field Sketch | GPS Google Earth Overlay
GPS Mapping | CAD Deliverables | CAD Line Drawing + PDF Drawings
GPS Mapping | CAD Deliverables | CAD Line Drawing + PDF Drawings
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How do we insure our ground disturbance plans are comprehensive? What should I expect from a utility locating contractor? What should be included in subcontractor vetting processes?