

Construction Solutions

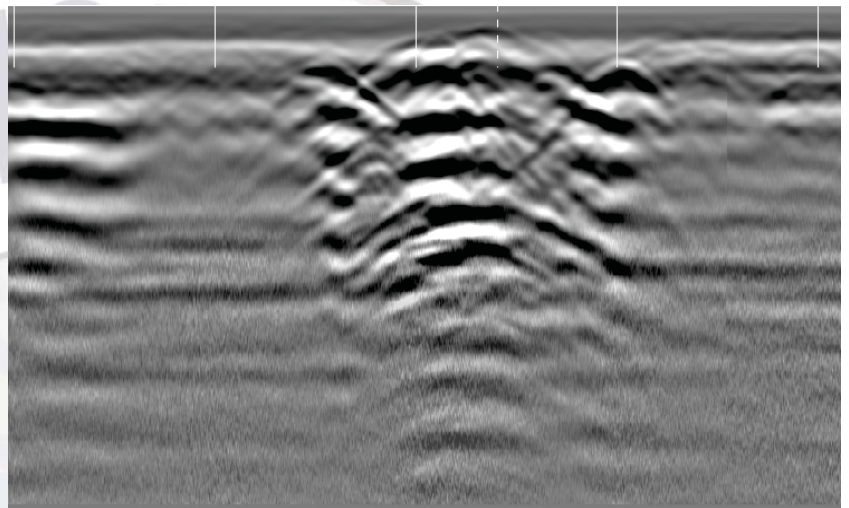
Ground Penetrating Radar & Engineer Consulting

Geophysical Inspections

Deeper Investigations

Ground Penetrating Radar's origins trace back to geophysical inspections. Archeologists, geologists and other sorts use GPR to identify a variety of subsurface geologies such as:

- Soil Layer mapping
- Ground Water mapping
- Underground Tunnels
- Underground Caves
- Sinkhole Mapping
- Agricultural



Abilities:

Our GPR antennas are capable of reaching depth up to 125 feet below the surface. Construction Solutions retains one of the few pre-FCC units that use a center frequency of 100 MHz. This unit is used in locating deep soil layers, large caverns or other geological formations underground.

Ground Penetrating Radar Applications:

Concrete Locates:

- Rebar
- Tension Cables
- Conduits
- Voids
- Delaminations
- Depth of Cover Analysis

Environmental Locates:

- Utilities
- Underground Storage Tanks
- Voids/Sinkholes
- Unmarked Graves
- Water Leaks
- Soil Layer Mapping

Transportation Uses

- Bridge Deck Corrosion
- Asphalt Overlay Thickness
- Railroad Ballast Fouling
- Pavement Thickness