



# Construction Solutions

Ground Penetrating Radar & Engineer Consulting

## Locating Water Leaks



### Customer's Challenge:

An aging infrastructure has resulted in a growing problem. Many of the water mains underground are breaking and causing 1000's of leaks each year and the numbers are growing. How do you find a leak that has not surfaced?

- Where is the water line?
- How deep is the water line?
- Where is the water leak originating?
- Has the leak created a sinkhole?

### Our Solution:

Ground Penetrating Radar is able to see the saturated soils formed by a water leak and can be used to trace back to an originating source.

- Locate the water line
- Locate saturated soils
- Provide Utility Clearance before you dig
- Locate any sinkholes before using large equipment
- Minimize digging, no exploratory searching



#### 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
- Railroad Ballast Fouling
- Asphalt Overlay Thickness
- Pavement Thickness