



PEOPLE. PERFORMANCE. PRIDE. PROMISE.  
**THIS IS PSC NOW.**

www.PSCNow.com 877.772.6693

# Underground Utility Locating Services



## High Technology Equipment

Locating underground utilities prior to digging prevents damage, injury, or death. Digging prior to locating buried utilities can cost a fortune or even your life. Utility companies are not required to locate private gas and power lines. In fact, sometimes the utility companies incorrectly locate their own lines. PSC uses high technology equipment including electromagnetic transmitters, receivers, and locating beacons to accurately locate underground utilities and mark out all buried utilities so excavators can safely dig.

### PSC Locates Many Metallic Utilities

- Water Lines
- Direct Buried Pipe
- Power Lines
- Gas Lines
- Cable TV Lines
- Street Lighting
- Telephone Lines
- Trace Wires
- Fiber Optic Cable

Many pipes are made from materials that cannot be detected with conventional methods, such as plastic, clay, concrete, and insulated cast iron. PSC has the technology to locate these previously undetectable pipes.

PSC's locators have more than 10 years of experience in high technology utility locates. Clients include municipalities, developers, contractors, drillers, excavators, and homeowners. PSC has the professionals, equipment, and processes for all of your underground utility locating services.

For more information regarding these services, contact the Columbia, IL location at 800.733.7173.



**PSC's Private Utility Locating Service benefits Contractors, Excavators, Landscapers, Property Owners, and State and Local Governments by:**

- Adding an extra measure of safety for workers.
- Eliminating unexpected damage to utilities' excavators.
- Reducing project delays and costs associated with property owners.
- Eliminating penalties or fines due to damage.
- Minimizing disruptions to private and public utility service.
- Protecting the environment.



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## THE PSC ADVANTAGE

### SAFETY EXCELLENCE

Safety is the foundation for everything we do. PSC is totally committed to workplace safety and environmental excellence.

### QUALITY PEOPLE

Our staff of thousands of experienced technicians and industry experts know your business and consistently provide you with exceptional service.

### INTEGRATED SERVICES

PSC's integrated portfolio of services and geographic resources eliminates the need for multiple subcontractors, trims administrative costs, improves scheduling, and delivers exceptional results.

### VALUE CREATION

With PSC as your single source for critical support services, you can concentrate on your core business while we help you reduce operating costs.

### CONTACT PSC NOW

PSC provides industrial cleaning & environmental services coast to coast from our nationwide network of facilities. For more information or to discuss your specific needs, please contact your PSC representative or the PSC location nearest you.

For further information about PSC and any of its services, contact us at 877.PSCNow3.

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## The Science Behind Our Industry

Most utilities are located using electromagnetic locators. The equipment consists of a transmitter (applies the frequency) and a receiver (picks up the frequency). By taking the transmitter and inducing a frequency into a metallic utility, PSC is able to pick up the frequency using the receiver to interpret the utility's location. There are a few ways to induce the frequency into a utility.

Sondes are small devices that transmit frequencies used in locating non-metallic utilities such as sanitary/storm sewers or empty conduits. Sondes are usually placed into these pipes by using a fiberglass push rod or an inspection camera. Sondes work on the same technology and produce a frequency that is picked up above ground.

Another way to locate utilities is by using ground-penetrating radar (GPR). GPR is a geophysical method that uses radar pulses to image the subsurface. This non-destructive method uses electromagnetic radiation waves and detects the reflected signals from subsurface structures. In ideal conditions, GPR can be used in finding both metallic and non-metallic pipes, tanks, trenches, and voids in the soil.

## How Do You Locate Plastic Pipes?

That depends on the design and use of the plastic pipe. If the pipe is accessible such as a sanitary/storm sewer or an empty conduit, PSC uses a sonde or inspection camera to locate them. If it is a pipe with no accessibility, such as a fire main, we locate the pipe using GPR.

PSC utilizes the latest technology and equipment available to maximize accurate readings. Our services are a valuable tool to the contractor, excavator, or homeowner, but not every cable or pipe can be detected.

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