

# Utility Locating

The assessment of underground structures are becoming increasingly important. More and more General Contractors are required to locate and map underground structures prior to excavation. Private utility locating services are all highly beneficial to designers, contractors, architects, surveyors, coring and drilling companies, property owners, and many others. Typical applications include the location of gas, water, fiber optics, telephone, sewer, electrical, TV, and storm pipe lines.

Electromagnetic (EM) pipe locators operate by locating either a background signal or a signal introduced into the utility line with the use of a transmitter. The transmitter, when directly connected to a conductive pipe or tracing wire, emits radio frequency electromagnetic signals, which are traced above ground by a receiver capable of detecting such signals.

Our new PCM accurately and easily locates and maps the pipeline for up to 19 miles, providing simultaneous measurement of PCM Current and Voltage Gradient. Even in areas where there is contact with other metallic structures, interference, or congestion pipelines can be located. This eliminates the need for the technician to perform direct connection 'current spans' and manual calculations to determine cathodic protection currents along the pipeline, reducing false indications and minimizing unnecessary excavations. Any current leakage fault in the pipeline coating can be further narrowed down to within 3 feet by use of the a frame.



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UTILITY SOLUTIONS