

The use of electromagnetic techniques in detecting and mapping of underground utilities

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Information is the most important ingredient in any undertaking. It permits planning an afternoon's work or a multi million enterprise. When it comes to public works within or sometimes beyond the public right of way, buried utility information proves to be a big problem. The difficulty of obtaining information about buried utility lines is that very little is visible. Drawings, plans or information can sometimes be obtained from relevant parties but many times they are inaccurate, faulty or incomplete. A suitable technique has to be used to obtain the information from underground and a number of techniques are available: such as ultrasonic, IR Imaging, Dowsing, GPR, and electro magnetic detectors.

Compared to the other techniques, electromagnetic detection method is proven to be the most efficient and cost effective way to locate hidden or buried utilities. In EMDS we employ the effectiveness of those methods to detect and map the underground utilities.

Electro Magnetic Detection Service (EMDS), as the name says it, employs various techniques concerning electromagnetic waves, coupled with in-depth knowledge of utility systems to locate pinpoint and correlate these "lost" utilities as logically and as accurately as possible. Thus producing precise and informative maps of underground utilities.