



FRONTIER
UTILITY LOCATING SERVICES INC.
ARID SERVICES INC.

UTILITY LOCATING SERVICES

HOW WE ELEVATE YOUR UNDERGROUND UTILITY LOCATING NEEDS

PRIVATE LOCATES

Using state-of-the-art electromagnetic pipe and cable locating equipment, Frontier is able to trace the path of buried metallic utility lines, including power telecom, cable TV, gas, water and more.

SONDING

A sonde is a small, waterproof radio transmitter designed to be inserted into non-conductive lines. Using fiberglass pushrods or other means to propel the sonde through the line, the location of the sonde is determined using a standard pipe and cable receiver on the ground surface.

STAKE AND SWEEP

Frontier has developed a proprietary "Stake and Sweep" procedure designed to thoroughly scan a work area for subsurface utility lines, and mark them clearly prior to an excavation project. The goal being to not only locate and identify the "knowns" but to sweep and locate any unknown utilities that may be present on the site. This service is often used on pipeline and transmission projects.

GROUND PENETRATING RADAR

Ground Penetrating Radar (GPR) is an advanced tool to assist in locating subsurface features, both conductive and non-conductive. Using advanced processors, a visual representation of the subsurface world is displayed for interpretation. Can be used to identify buried lines, soil changes, storage tanks, and variations to the ground composition.

CONCRETE SCANNING

Concrete scanning is necessary before cutting or coring. Specialized GPR designed specifically for concrete scanning can help you drill or cut without worry. Our Equipment can identify imbedded features such as utility lines, rebar, tension cables, and even air pockets. We use GPR for all interior work to ensure the integrity and safety of the project.

ELECTROMAGNETIC SCANNING

Electromagnetic scanning of a site using EM31, EM61 or similar equipment can map geologic variations, ground water contaminants, or any subsurface features associated with changes in ground connectivity. With effective depth of exploration of approximately 6 meters, this equipment is ideal for geotechnical and environmental site characterization.

BOREHOLE CLEARANCES

Subsurface oil investigations for geotechnical engineering or environmental assessments present the potential risk of drilling through a buried utility line. Frontier can add a level of security and safety to such projects by locating lines in and near the target area. Further, we will scan each individual borehole with a 360 degree scan for active and passive signals.

WIDE AREA SCANNING **GROUND DISTURBANCE**

Similar to our borehole scanning service, Frontier will scan your entire excavation area for active and passive signals. Whether you are test pitting, trenching, excavating a foundation or building a parking lot, Frontier can give you the peace of mind to dig with confidence, knowing that we have taken every precaution to detect what is in the ground below site.

Navigating the complex world of ground disturbance regulations and requirements can be a daunting task. Each jurisdiction has specific procedures that need to be adhered to. Frontier has many years of experience managing ground disturbance projects, dealing with One Call centres, public utility owners for clearances, and data management and delivery.

S.U.E / S.U.M PROJECTS

Subsurface Utility Engineering and subsurface Utility Mapping are fast becoming standard practice for pre-engineering of complex projects. Frontier can provide full SUE/SUM services for large scale pre-engineering projects to aid design and efficiencies prior to construction.

CONTRACT LOCATES

Frontier provides contract locating services for public utilities, from peak shaving & over-flow to full contract services. Call us to find out how we can help you achieve higher efficiencies.

GROUND FAULT LOCATING

Using high frequency RF transmission and step potential measurement, Frontier can accurately locate sheath-faults and ground-faults in your buried electrical lines, allowing you to repair the line rather than replace it, saving time and money.

ADDITIONALLY MANAGED SERVICES

To assist our customers in their complete project requirements, we are also able to provide the support of the following services:

- Geodetic Surveying**
- Hydro-vac Excavation**
- Traffic Control Services**
- Confined Space Entry**
- Asset Tagging and Tracking**
- Pipeline Inspection Services**

ABOUT US

Established in 2006 Frontier Utility Locating Services has become a trusted source for private utility locates throughout Eastern Canada. In the joint venture with Arid Services, Frontier has targeted expanded their goal of increased excavation safety in the environmental, geotechnical and construction industries within the Western Provinces of Canada.



"Frontier did a significant amount of work for us in Ontario extremely successfully and provide a complete solution for locating and surveying. They come with the highest recommendations."

- Georges Guerette,
Enbridge Pipelines

"Soil-Mat has worked with Frontier for many years & would definitely recommend them to all of our clients & colleagues. They are professional, accurate, reliable & a pleasure to work with."

- Shelly Thomson,
Operations Manager,
Soil-Mat Engineers

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