



Founded in 1967 and headquartered in Montreal, Quebec, Telecon is Canada's leading telecommunications network infrastructure services provider, leveraging its national presence, network of 3,000 professionals, client relationships and 50-year history to offer industry-leading design, infrastructure and connectivity solutions to telecommunications companies nationwide.

Resources

An unparalleled national footprint and a large, proficient and multidisciplinary team.

Know-how

Expertise in design, infrastructure and connectivity services for wired and wireless telecommunications networks.

Adaptability

A comprehensive suite of telecommunications network deployment services to suit projects of all sizes and complexity.

Client focus

Well-established and long-standing relationships with Canada's key telecommunications providers.

Trust

Committed to successfully meeting its clients' needs safely, on time and on budget.

Excellence

Recognized for its reliability, efficiency and high-quality delivery of telecommunications network deployment services.

Subsurface Utility Engineering

Avoid costly utility conflicts

Telecon's Underground Engineering Services provides municipalities, consulting engineers, surveyors, project developers, property owners, and contractors timely and accurate underground utility information to pinpoint the locations of buried facilities in the public ROW and/or private properties. Performing a thorough and accurate SUE investigation, early in the engineering process, for any major utility design, development or proposed construction avoids costly utility conflicts.

Following the ASCE Standard 38-02 "Standard Guideline for the Collection and Depiction of Existing Subsurface Utility Data", SUE identifies, locates and characterizes existing utility infrastructure, detecting any potential unknowns beneath the surface and limiting potential disturbances to any existing utility customers. It can include accurate horizontal and vertical measurements utilizing geophysical methods. This includes approximate "machine depth" readings from the locate set (where possible) as well as Hydrovac excavation or "Daylighting."

Services

- Project Management
- Utility Circulation
- Record Research & Analysis
- Pre-engineering Utility Designation
- Ground Penetrating Radar (GPR)
- Sewer Invert Data Collection
- Sewer Pipe Inspections
- Confined Space Entry (CSE) Services
- Traffic Control & Planning
- Liaison with Hydrovac Excavation service providers
- Field Surveying
- AutoCAD / MicroStation
- Professional Engineers - (P.Eng.) review



Subsurface Utility Engineering

SUE Utility Quality Levels

Quality Level D

Information derived from existing records or oral recollections.

Quality Level C

Information obtained by surveying and plotting visible above ground utility features and by using professional judgment in correlating this information to Quality Level D information.

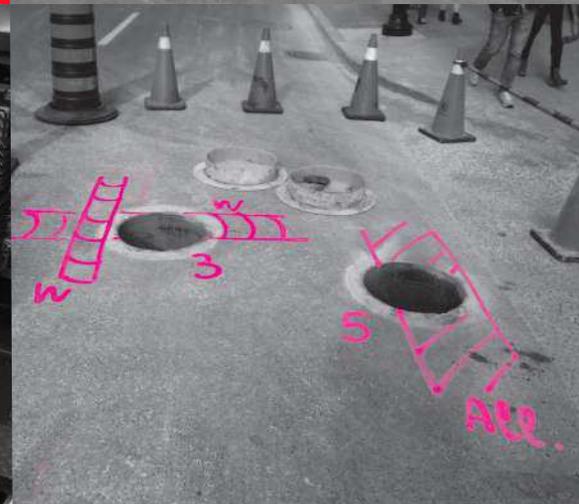
Quality Level B

Information obtained through the application of appropriate surface geophysical methods to determine the existence and approximate horizontal position of subsurface utilities.

Quality Level A

Precise horizontal and vertical location of utilities obtained by the actual exposure (or verification of previously exposed and surveyed utilities) and subsequent measurement of subsurface utilities, usually at a specific point. A precise horizontal and vertical location, as well as other utility attributes, is shown on plan documents.

Source: Standard Guideline for the Collection and Depiction of Existing Subsurface Utility Data (38-02), American Society of Civil Engineers, 2002



For more information on our services:

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