Underground Facilities

The Need for Accurate Records in an Expanding Society

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Buried Facilities

- pipelines
- electrical conduits
- communication cables
- Supernet, fibre optics

Buried Facilities

- underground storage tanks
- land fill sites
- mine shafts
Alberta Land Surveyors’ Association
Underground Facilities Presentation

Alberta Advantage

- Precise, uniform township system of survey
- Torrens system of guaranteed Land Titles
- Comprehensive Land Use Planning

Cadastral Mapping
Spin System
Simple, positionally accurate, land information systems.

Urban As-Built

Fundamental Principles

- It is a privilege - not a right to bury anything underground!
- For that privilege an operator must provide an accurate as-built location of that facility.
- The location of all buried facilities must be on public record in a central repository or database.
Fundamental Principles

- All buried facilities should be buried at least one metre below the surface, and facilities that pose a danger to public safety should either be buried deeper or encased in a protective covering.

Buried facilities should be accurately located horizontally and vertically with reference to a standard datum that is readily recognized by operators and the general public.

Summary

- Buried Facilities Act
- require location of all new buried facilities
- locate old facilities as encountered
- public repository
- overlay based on cadastral mapping

Thank you!