



# Underground Facilities

The Need for Accurate Records  
in an Expanding Society

Presented by  
G. K. (Ken) Allred, A.L.S.



## Buried Facilities

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

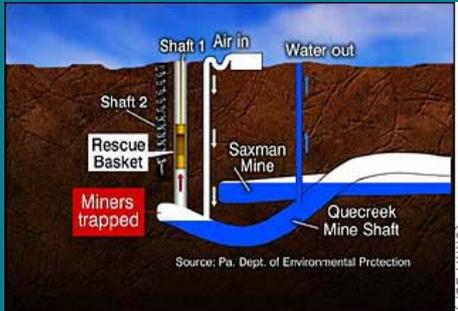


## Buried Facilities

- underground storage tanks
- land fill sites
- mine shafts

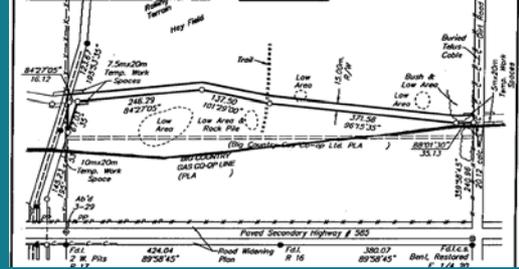


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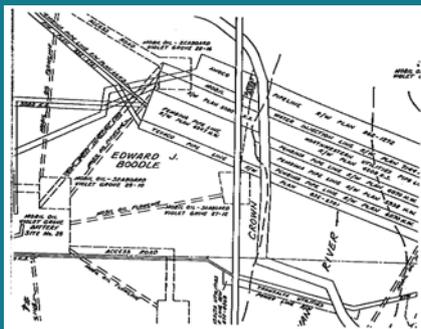
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Compiled  
Plan



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## Alberta Advantage

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

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## Alberta Advantage

- Cadastral Mapping
- Spin System
- simple, positionally accurate, land information systems.

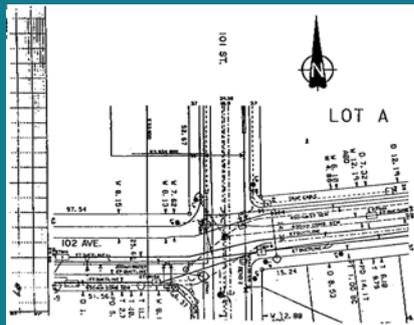
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## Urban As-Built



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## Fundamental Principles

- It is a privilege - not a right to bury anything underground!

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## Fundamental Principles

- For that privilege an operator must provide an accurate as-built location of that facility.

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## Fundamental Principles

- The location of all buried facilities must be of public record in a central repository or database.

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## 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.



## Fundamental Principles

- 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!