

SUBSURFACE UTILITY ENGINEERING QUALITY LEVELS

A UTILITY LOCATION

METHOD:

Physically exposing and measuring utility size and elevation

RESULT:

Provides specific details of underground utilities and features

USE:

Precise planning and profile mapping of underground utilities

RELIABILITY:



B UTILITY DESIGNATION

METHOD:

Electromagnetic locating/ground penetrating radar

RESULT:

Finds approximate horizontal position of utilities

USE:

Addresses issues like inaccurate records or abandoned utilities

RELIABILITY:



C SURFACE FEATURES

METHOD:

Surveying visible utilities

RESULT:

Usually finds missing or erroneously plotted utilities

USE:

Primarily for rural projects

RELIABILITY:



D RECORDS RESEARCH

METHOD:

Existing utility records or verbal recollections

RESULT:

Limited in comprehensiveness and accuracy

USE:

Project planning and route selection

RELIABILITY:



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