



STANGERS

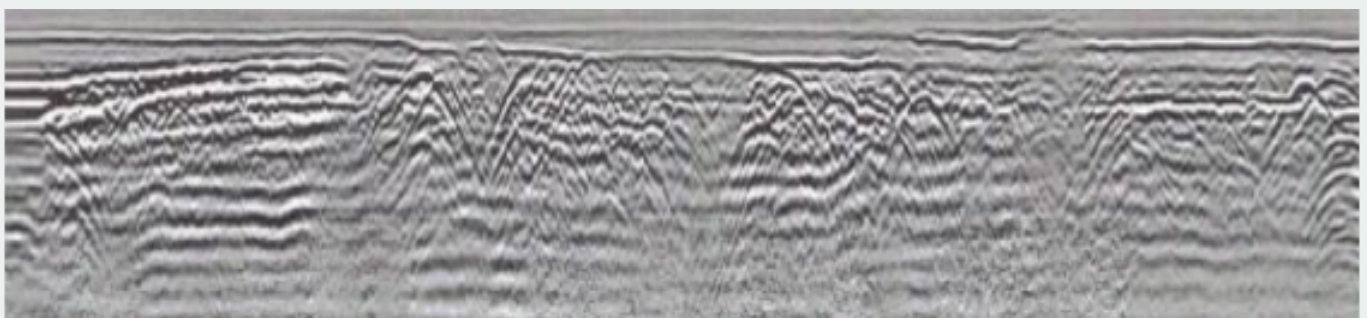
## UTILITY & SUBSURFACE SURVEYS

Using Ground Penetrating Radar and Radiodetection, our experienced staff are able to carry out extensive underground utility surveys for both metallic and non-metallic objects. The use of the latest technology can allow significant cost savings on many investigations where the only alternatives involve extensive excavation, coring or breaking out previous construction to verify utility details. If you are looking to identify the route of your underground utilities on site or obtain a CAD drawing for a demolition or building alteration project, we can confirm the route feasibility and avoid any potential environmental hazards. As well as undertaking independent Utility Surveys, we can also provide Competent Persons (CP) to supervise trial pit excavation and other utility construction work on a consultancy or daily rate basis.



### We can locate Underground Utilities Including:

- Fresh and Salt Water Mains
- Gas Mains
- Telecom Cables
- Electric Cables
- CATV Cables
- Foul Sewers
- Storm Drains
- Concrete Pipes
- PVC Pipes



**RADAR PROFILE OF ROAD SHOWING PAVEMENT LAYERS AND UTILITIES BELOW**

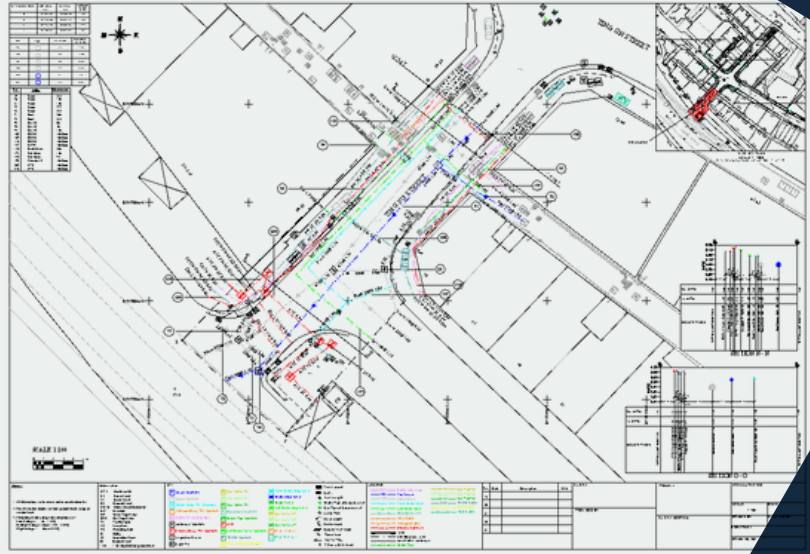


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## AUTOCAD DRAWINGS ARE INCLUDED IN REPORTS

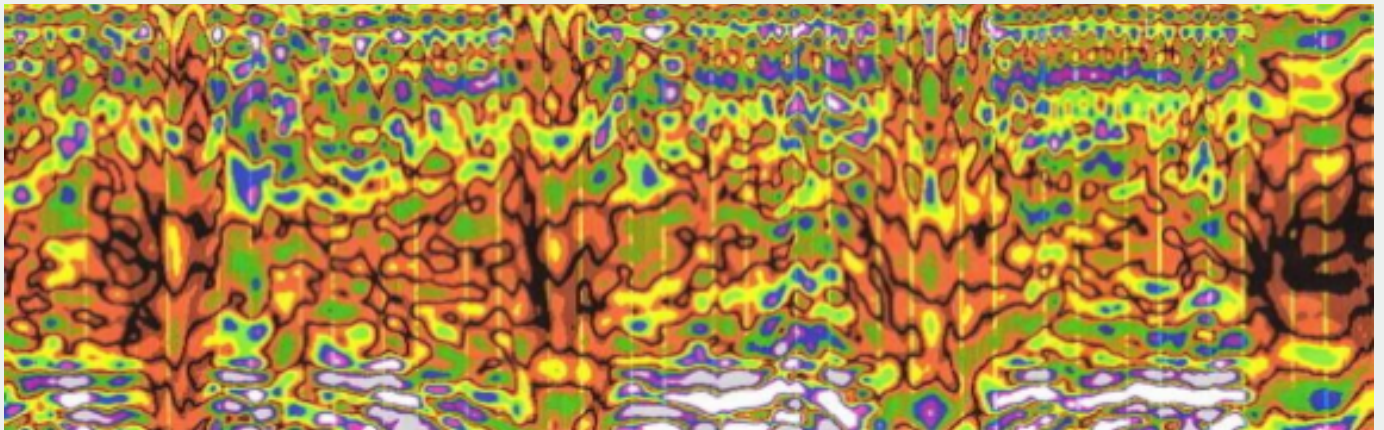
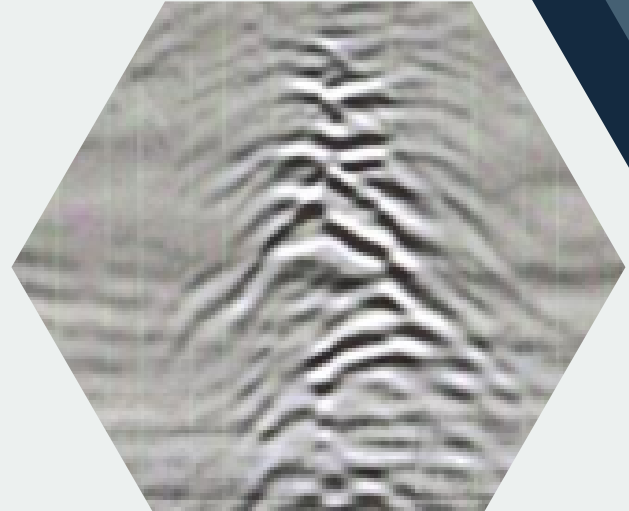
### We also can provide:

- Manhole Surveys
- CCTV Surveys
- Water leakage detection
- Instrument monitoring
- Topographic surveys
- Tree surveys
- Provision of CP



We can call upon a wide range of techniques to conduct underground utility surveys, and on many occasions other investigation work is carried out at the same time. Some examples are shown here including the location of a buried crypt, measurement of road pavement thickness, and location of reinforcement and structural details of concrete when using Ground Penetrating Radar as part of a Utility Survey.

### BURIED CRYPT



### FLOOR SLAB AND ROOF BEAMS LOCATED BY RADAR

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