

**SURVEYS**  
Utility identification services





## About SURVEYS

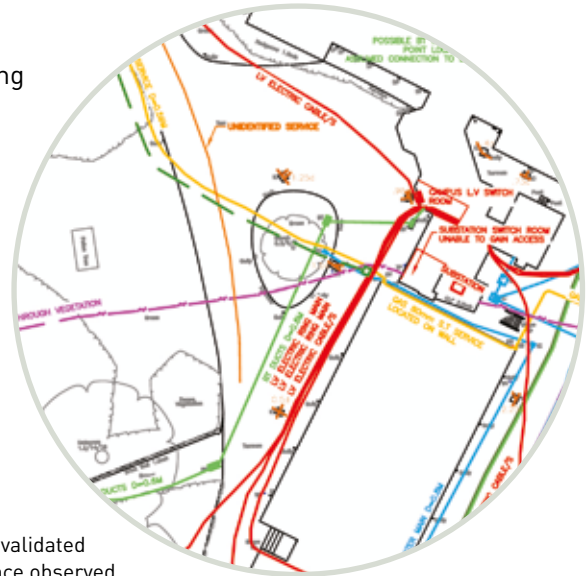
**Premier Energy provides you with a utility identification service for your projects.**

From obtaining utility record information, to liaising with clients and site personnel we have been delivering a friendly professional service since 1995.

Our mapping and survey service is offered at various levels of detail, which can be selected by you, depending on the site specific survey requirements.

### These are:

- **Type D - Desktop Utility Record Search**  
Where underground utilities are identified through the collation and analysis of existing paper/online records.
- **Type C - Site Reconnaissance**  
Where existing records are supported and validated but the visual inspection of physical evidence observed during a site visit.
- **Type B - Detection**  
Where underground utilities are detected and located by geophysical techniques.
- **Type A - Verification**  
Where underground utilities are observed and located in an inspection or manhole chamber or excavated and exposed.



Our surveyors will discuss your individual needs and make recommendations for your survey.

### The benefits:

- Provide a safer working environment
- Comply with Health & Safety legislation
- Reduce and avoid costly damage to utility infrastructure
- To assist in planning construction works to reduce utility costs
- Reduce and avoid delays



**If you don't know - don't dig...  
...and call us today!**



## Electrodetection and GPR surveys

The Health & Safety Executive (HSE) guidance, contained in HSG47 “Avoiding Danger from Underground Services” has recommendations for the use of location devices in detecting buried services.

Utilising the latest technology such as Electrodetection and Ground Penetrating Radar (GPR) systems Premier Energy Surveys can produce a full AutoCAD drawing which maps the utility infrastructure.

### Our methods:

- Our **SEARCHES** utility record search will obtain all the utility record maps
- Client to provide records of “private” infrastructure within the site (if available)
- Client to provide topographical survey
- Our experienced field surveyors will identify utility plant on-site
- Electrodetection equipment will trace conducting lines e.g. metallic gas or water pipes and cables
- Ground penetrating radar (GPR) will be used to trace any non conducting services e.g. plastic gas or water pipes, PVC ducting, asbestos cement pipes etc, where underground conditions allow.
- Flexitrace / sondes are used to trace small diameter ducts for fibre optic cables
- We produce a comprehensive plan of the buried services within the survey boundary
- Drawings are issued in AutoCAD and PDF format





## CCTV surveys and trial holes

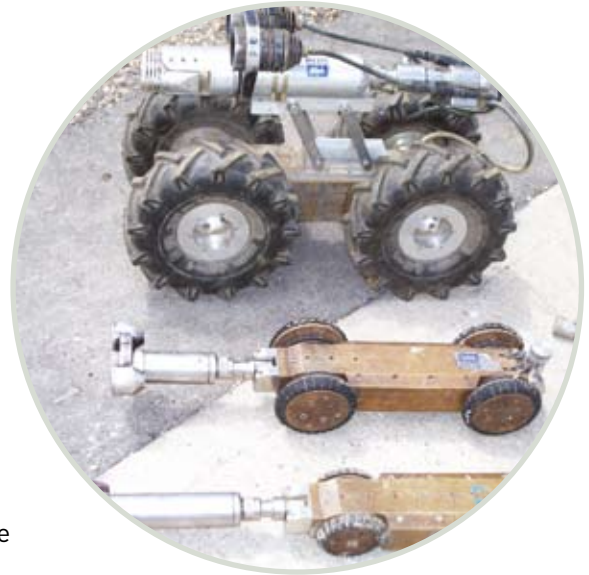
Where lifting manhole chambers and taking invert levels and “star burst” of drainage runs is not enough we can offer a full CCTV drainage survey.

### CCTV Drainage Surveys

Along with a more detailed drawing confirming the connectivity of the drainage runs, including direction of flow, we can offer the client a detailed assessment of the structural and service condition of their drainage system.

#### Our methods:

- Off - road surveying with 4-wheel drive vehicles
- Surveying up to 250m in a single direction from one access point
- Full camera head scanning facility to allow the camera to view lateral connections
- CCTV surveys can be carried out in pipes of 100mm to main entry
- Reports are produced to Water Authority Standards
- CCTV surveys provided on CD Rom



Should our surveyors highlight any potential “high risk” areas then Premier Energy Surveys can provide a full trial hole service for both “private” and “public” land.

### Trial Holes

Working with experienced contractors we can:

- Liaise with Local Authorities
- Liaise with Utilities to identify plant
- Comply with Traffic Management Act (TMA)
- Issue relevant notices
- Carry out full reinstatement
- Take photographic evidence and detailed measurements
- Provide AutoCAD drawings in plan and section



**Call us today and see what we can do for you!**

t: 01403 740240  
e: [info@premierenergy.co.uk](mailto:info@premierenergy.co.uk)  
[www.premierenergy.co.uk](http://www.premierenergy.co.uk)

