



3D SURVEY
SPECIALISTS



UTILITY SERVICES SPECIFICATION

INFORMATION AND GUIDANCE

This document outlines the various types of utility services that we carry out. The items 1, 2 and 3 will be listed in the accompanying fee proposal. All results of the survey will be provided in AutoCAD format plotted on to topographical plans.

- ITEM 1 – Utility Mapping Survey
- ITEM 2 – Standard Desktop Utility Search
- ITEM 3 – Vodafone Plan (optional)

ITEM 1 – UTILITY MAPPING SURVEY

Services that are included in our survey:

- Metallic gas mains of 50mm diameter and greater.
- Metallic water mains of 50mm diameter and greater.
- Electricity supply cables 440v to 66kv that are live.
- Electric cables to street lighting.
- Drainage runs of 100mm diameter or greater where access to the pipe is possible.
- Telephone, communications and computer cables.
- Metallic fuel lines.
- Empty ducts of 50mm or greater. (where access is available)
- Underground heating pipes.
- Metallic pumping mains.
- Other metallic services that are capable of transmitting a signal.
- Depths of all services where possible.

Please note that as part of our standard survey, all surveyors will mark up on site, biodegradable chalk will be used as a standard unless semi-permanent paint is specified. If you require less marking up on site, our surveyors will make every effort to attempt to mark up only the essential services required. If no marking up on site is required please confirm this in writing via email, please note that additional fees will be charged for extra time spent on site if no marking up is required.

Services NOT included in our survey:

- Non-Metallic gas mains of 50mm diameter or smaller.
- Tracing drains or ducts, where there is no access for our drain sonde.
- Manhole covers that we cannot lift after 15 minutes levering with hand tools.
- Non-Metallic water mains of 50mm and smaller.
- Pot end cables
- Working areas that are either unsafe or not practical to work in.
- Disused services (we will endeavor to locate these where possible)
- Service connections (unless specifically requested and access is arranged to properties)
- Internal services (unless requested)
- Internal services that are not completely clear in order for the survey to take place.

Ground Penetrating Radar (GPR)

We are able to use Ground Penetrating Radar (GPR) on sites to look for non-metallic services, wherever possible, however mains of 50mm and smaller are more difficult to locate. The GPR will always be used to complement existing locating techniques. It may be possible to locate the items below with GPR, however certain obstacles such as equipment limitations or ground conditions mean that we are unable to guarantee it.

Items that may be located with GPR:

- Plastic Gas Mains
- Plastic Water Mains
- Underground Storage Tanks
- Voids
- Empty Ducts
- Non-Metallic Pump Mains.

ITEM 2 - STANDARD DESKTOP UTILITY SEARCH

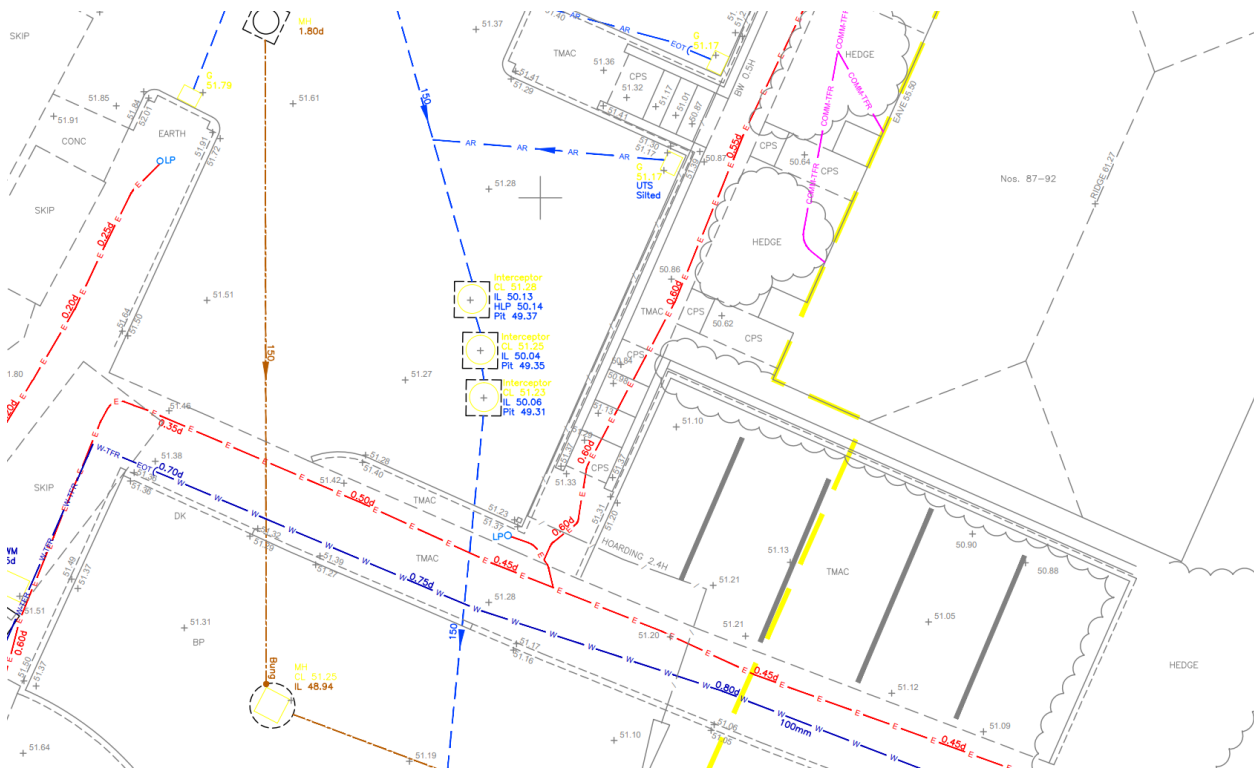
The desktop Utility Pack includes a search of possible services located in and around the site plan provided by the client. We request the possible / available asset plans from various companies and arrange them in a easy to view PDF document. For the Standard Desktop Utility Search, the plans will include BT, GAS, ELECTRIC, WATER, VIRGIN. The desktop report will be emailed to the client as standard. A hard copy can be provided in a binder at an additional charge of £30.00 + VAT Please request this when placing your order with us.

ITEM 3 - VODAFONE PLAN (OPTIONAL)

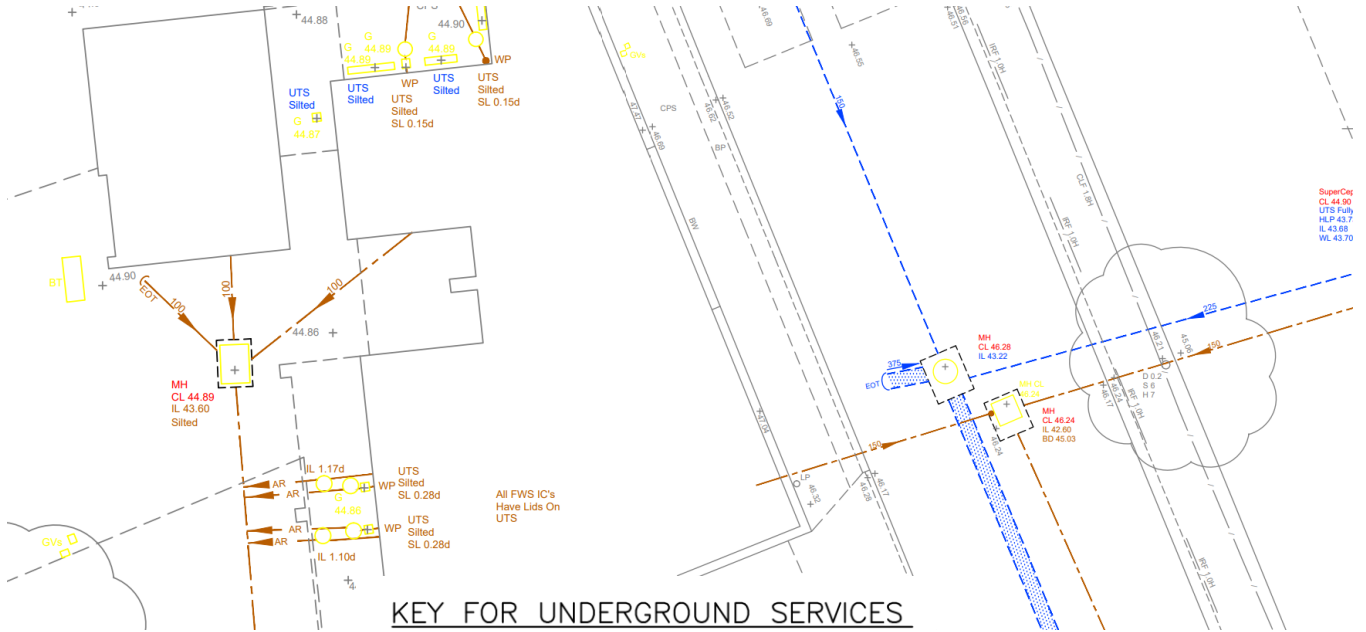
The Vodafone plan is charged at an additional cost to the client, it will not be included in the Standard Desktop Utility Search. Please request this at the time of confirmation. A Vodafone search / plan will not be included unless requested.

UTILITY SURVEY EXAMPLES

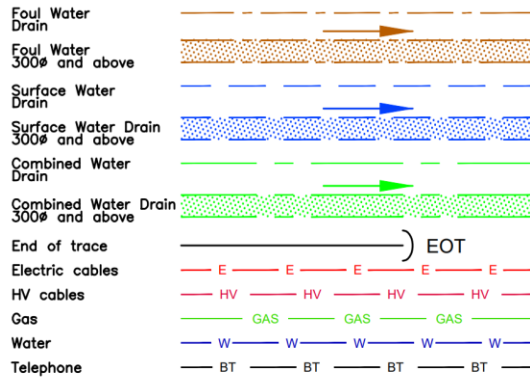
EXAMPLE 1 – UTILITY SERVICES



EXAMPLE 2 - DRAINAGE ONLY SURVEY



KEY FOR UNDERGROUND SERVICES



Cloud 10 Head Office

London

27 Old Gloucester Street, London, WC1N 3AX

020 4537 5522

info@cloud10ltd.com

