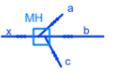


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Drainage Example
 Letters correspond with CCTV report and indicate pipe references.



Warning
 Water & Gas utilities entering into properties are generally of a size that cannot be detected by Radio detection of GPR. The route of these is shown from surface evidence such as pipe risers or valves. This data should be viewed as a guide only and safe digging techniques should be used at all times.
 Records information & positions should be viewed as approximate and indicative. Safe digging practices should be used to verify their position and type.
 Utilities depths marked with an 'I' have been detected using an induced method and therefore should be regarded as less reliable than a directly traced utility.

Detection Grades (PAS128)

| Method Type | Quality Grade | Horizontal Accuracy | Vertical Accuracy | Detection Clarification |
|------------------------|---------------|---------------------|--------------------------------|---|
| Desktop Records Search | D | N/A | N/A | Service shown on records only not found on site. |
| Site Reconnaissance | C | N/A | N/A | A segment of utility whose location is demonstrated by visual reference to street furniture, topographical features or evidence of previous street works (reinstatement scale). |
| Detection | B4 | Undefined | Undefined | A utility segment which is suspected to exist but has not been detected and is therefore shown as an assumed route. |
| Detection | B3 | ± 500mm | Undefined No Reliable Depth | Horizontal location only of the utility detected by one of the geophysical techniques used. |
| Detection | B2 | ± 250mm | ± 40% Detected Depth | Horizontal and vertical location of the utility detected by one of the geophysical techniques used. |
| Detection | B1 | ± 150mm | ± 15% Detected Depth | Horizontal and vertical location of the utility detected by multiple geophysical techniques used. |
| Verification | A | ± 50mm | ± 25mm | Horizontal and vertical location of the top and/or bottom of the utility. |

Disclaimer
 All services shown on this plan have been surveyed using approved detectors and the connections between manholes, if not traced, are assumed to be direct.
 Should the background, or topographical, information for the survey area be based on an Ordnance Survey file we are not liable for any loss that may arise due to a lack of accuracy in that digital data.
 Location accuracy detected by EMI methods are determined by referring to manufacturer's guidelines for the equipment used. In ideal conditions the accuracies for the underground utilities located and mapped are ±10% of the depth. Whilst this technique has proven to be successful, it is not 100% reliable and is affected by ground conditions. The depths obtained are for the centre of the conductor and do not necessarily the depth to a duct or pipe.
 Although all reasonable effort is made during site detection, the completeness of the underground services information cannot be guaranteed. An electric current will flow along the path of least resistance. This means that when a current is induced into a feature it will 'jump' to adjacent features if they offer a better conducting pathway. It is possible, therefore, that features that are detected by connecting to one type of apparatus may not in fact be that type of utility. The identification of apparatus cannot be assumed to be totally accurate. It should be noted that the technique is limited to detecting features that either generate an electromagnetic field, such as power cables, or around which an electromagnetic field can be induced, such as some water pipes and some communications cables, and it cannot therefore be guaranteed to reveal the exact routes of all buried services or to detect their presence.
 GPR is only useful on flat relatively smooth surfaces free from obstructions. Areas of vegetation, waterlogged areas or uneven ground will often not be scanned using GPR as the data is too unreliable. GPR is affected by below ground conditions. Saturated ground or concrete reinforcement bars are examples of below ground conditions that can have effects on the results of scans.
 Service information can also be shown on the drawings taken from statutory undertakers record plans. This information is shown for the sake of completeness and Subscan UDS Ltd can take no responsibility for the positional accuracy of such information as this may be digitised directly from service plans provided. Information shown as stat plan information may duplicate traced routes but may be offset due to the inaccuracy of the service records from which the information has been digitised.

Sub Surface Key

- CATV Cable
- CCTV Cable
- Comms Cable
- Duct
- Earthing Rod
- Electric Cable
- Electric HV Cable
- Electric LV Cable
- Fibre Optic
- Gas Pipe
- - - GPR Anomaly
- GPR Linear
- Heating Pipe
- Rising Main
- Surface Sewer
- Foul Sewer
- Combined Sewer
- Trade Effluent
- Traffic Signal Cable
- Unidentified
- Water Main
- Vent Pipe
- Fuel Pipe
- Oil Pipe Line
- - - Survey Extents
- AR B4 Assume Route
- TFR B4 Taken From Records



Topographic & Utility Key

| | | | |
|------|-----------------|-------|---------------------|
| AV | Air Valve | WM | Water Meter |
| BH | Borehole | WO | Wash Out |
| BIN | Bus Stop | WV | Water Valve |
| OSBM | Benchmark | 1.00d | Depth (m) |
| BO | Bollard | UTT | Unable to trace |
| MAIL | Postbox | UTTF | Unable to trace |
| BUS | Bus Stop | | Further |
| CCTV | Camera | EOT | End of Trace |
| Col | Column | LOR | Lost of Reflection |
| G | Gully | LOS | Lost of Signal |
| EL | Electric Point | (s) | Sonded |
| EP | Electric Pole | (i) | Induced |
| ER | Earth Rod | S/A | Survey |
| FH | Fire Hydrant | | Abandoned |
| FFL | Floor Level | AR | Assumed Route |
| FP | Flag Pole | TFR | Taken from Records |
| FV | Flap Valve | | |
| GP | Gate Post | UTR | Unable to Raise |
| GV | Gas Valve | UTS | Unable to Survey |
| IL | Invert Level | MAR | Man Access Required |
| GL | Floor Light | | |
| LP | Lamp Post | CL | Cover Level |
| MH | Manhole | IL | Invert Level |
| MK | Marker | U/S | Underside/Soffit |
| RE | Rodding Eye | DOC | Depth of Cover |
| RWP | Rain Water | DOB | Depth Bottom |
| SC | Stop Tap | PT | Poor Trace |
| SP | Search | NVP | No Visible Pipe |
| SV | Stop Valve | ED | Empty Duct |
| SVP | Soil Vent Pipe | BLKD | Blocked |
| TAP | Tap | CR | Cable Riser |
| TOW | Top of Fence | DC | Drainage Channel |
| TEL | Top of Wall | | |
| TEL | Telecom Cover | | |
| THL | Threshold Level | | |
| TL | Traffic Light | | |
| TP | Telegraph Pole | | |
| V | Vent | | |
| WL | Water Level | | |

Control & Datum Information
 The grid shown on this drawing is based on a plan provided to Subscan and has a scale factor equal to 1. The co-ordinates have been derived by graphical best fit means to an OS Plan Extract and is subject to the inherent inaccuracy in that data.

| REV | DATE | DRAWN | DESCRIPTION | CHECKED |
|-----|------|-------|-------------|---------|
| | | | | |

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CLIENT: **Mr. Jim Granger**

SITE: **176 Almondbury Bank Huddersfield West Yorkshire HD5 8EX**

DRAWING TITLE: **CCTV Drainage Survey**

| | | |
|--------------------------|---------------|-------------|
| DRAWING REF (LAYOUT TAB) | SCALE@A3 | |
| GR66218-DR | 1/100 | |
| PROJECT REF | SHEET | REV |
| GR/66218 | 1 of 1 | 0 |
| SURVEYED | DRAWN | CG |
| JB | RH | DATE |
| CHECKED | DATE | 10/11/2023 |