



**NOTES**

A variety of detection technologies were used to produce the underground information recorded for this non-invasive survey. Variations in ground conditions, depth and density of services and signal interference from surrounding features can affect the accuracy of these technologies, therefore 100% detection and accuracy cannot be guaranteed.

All utility/service depths are in metres and are taken to the top of utility/service unless otherwise stated.

Pipe sizes are shown from visual inspection or taken from statutory information.

All dimensions measured by tape at manholes and inspection covers are determined from ground level due to non-entry of chambers, therefore these should be treated as indicative only.

Underground services shown on this drawing are illustrated by a single service line. This single service line may actually represent multiple cables and/or ducts.

An anomalous feature is an unidentified subsurface area evident within the radar data that differs in response to its surrounding area. Examples of anomalous features include voiding, heavily saturated ground, buried tanks and demolished building foundations.

Topographical survey control is to OSGB36(15) datum by GPS (as recorded at the time of acquisition) and the project rotated to North, all subsequent data acquired does not have a scale factor applied and therefore is based on a flat earth scenario. Real Time Kinematic accuracies: Horizontal 10mm +1ppm, Vertical 20mm +1ppm. Rapid Static accuracies: Horizontal 5mm +1ppm, Vertical 10mm +1ppm.

**ABBREVIATIONS**

AV	Air Valve	IRS	Illuminated Road Sign
BB	Belt&Beason	LP	Lamp Post
BCD	Bottom of Chamber Depth	MH	Manhole
BH	Borehole	MKR	Marker
BM	Bench Mark	MW	Monitoring Well
BO	Bollard	P	Post
BS	Bus Stop	PB	Post Box
BT	British Telecom Cover	PE	Polyethylene
CAB	Cabinet	RE	Rodding Eye
CATV	Cable Television Cover	RG	Rain Gully
CCTV	Closed Circuit TV	RS	Road Sign
CI	Cast Iron	SI	Spun Iron
CL	Cover Level	SLD	Silt Level Depth
CS	Combined Sewer	SP	Steel
DI	Ductile Iron	STN	Survey Station
DIA	Diameter	SV	Stop Valve
DIP	Down Pipe	SW	Surface Water
EJB	Electricity Junction Box	TCB	Telephone Call Box
EP	Electricity Pole	TCR	Top of Chamber Depth
ER	Earth Rod	TL	Traffic Light
FB	Flower Bed	TL	Traffic Light Control Box
FL	Flood Light	TP	Telegraph Pole
FW	Foul Water	UTL	Unable To Lift
FWP	Foul Water Pipe	VC	Vent Pipe
GM	Gas Meter	WLD	Water Level Depth
GP	Gas Pipe	WM	Water Meter
GV	Gas Valve	WSC	Water Stop Cock
IC	Inspection Cover	WSV	Water Stop Valve
ID	Invert Depth	WWD	Water Wash Out
IL	Invert Level		

**LINE-TYPE KEY**

EL	Electricity	Scan Area
SL	Street Lighting	Unable to GPR Area
W	Water	Kerb
GAS	Gas	Fence
BT	British Telecom	Wall
TEL	Unknown Telecom	Building
VM	Virgin Media	Surface Scar
FO	Fibre Optic	Change of Surface
TS	Traffic Control Signalling	
OCTV	CCTV	
DUCT	Empty Duct	
EAR	Earth	
SW	Surface Water	
FW	Foul Water	
CS	Combined Sewer	
0.7	Oil/Fuel Pipe	
PIPE	Unknown Pipe	
MET	Metallic Target	
GR	Radial Target	
ASMO	Assumed	
STAT	Statutory Records	

**Pulse mapping**

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Utility/Service Type	Records Provided	Record Owner
Electricity	Yes	Openreach
Gas	Yes	National Grid
Sewer	-	Wales & West
Telecom	Yes	Virgin Media
Water	Yes	South West Water
Other	-	-

**CLIENT:**

**SITE:**

**PROJECT REF:**

**DRAWN:**                      **DATE:**

**CHECKED:**                      **SHEET NO:**

**SCALE:**                      **REV:**

Metres 1:100