



**LEGEND**

- Surface Drainage
- Combined Drainage
- Electricity
- Electricity High Voltage
- Electricity Low Voltage
- Gas
- Ground Penetrating Radar
- Water
- Cable Television
- Close Circuit Television
- Communication
- British Telecom
- Oil Pipe
- Pipe
- Offset Fill
- Fuel Line
- Gauge Line
- Fibre Optics
- Unknown
- Vapour Recovery
- Ventilation
- Fence
- Empty Duct
- Fire Alarm
- Traffic Lights
- Survey Boundary
- Borehole
- Window Sample
- Soil Vapour Sample
- Trial Pit
- End Of Trace
- Excavated Area
- GPR Anomaly Area
- Unable to Survey Area

ABBREVIATIONS			
AR	ASSUMED ROUTE	OH	OVERHEAD
BD	BACKDROP	OSA	OUTSIDE SURVEY AREA
BF	BACK FILLED	PE	POLYETHYLENE
BH	BOREHOLE	PR	PIPE RISER
BHP	BOREHOLE PROVISIONAL	PVC	POLYVINYL CHLORIDE
BTIC	BRITISH TELECOM CHAMBER	RE	RODDING EYE
CI	CAST IRON	RS	ROD STOPPED
CL	COVER LEVEL	RWP	RAINWATER PIPE
CP	CATCH PIT	SV	STOP VALVE
CR	CABLE RISER	SVP	SOIL VENT PIPE
DP	DOWN PIPE	SVS	SOIL VAPOUR SAMPLE
EP	ELECTRICITY POLE	T	TANK
EOT	END OF TRACE	TFR	TAKEN FROM RECORDS
FE	FENCE EARTH POINT	TP	TELEGRAPH POLE
FH	FIRE HYDRANT	UST	UNDERGROUND STORAGE TANK
FLD	FLOODED	UTL	UNABLE TO LIFT
G	GULLY	UTR	UNABLE TO ROD
GPR	GROUND PENETRATING RADAR	UTS	UNABLE TO SURVEY
GV	GAS VALVE	UTT	UNABLE TO TRACE
IC	INSPECTION CHAMBER	VP	VENT PIPE
IL	INVERT LEVEL	VR	VAPOUR RECOVERY
INT	INTERCEPTOR	WL	WATER LEVEL
LP	LAMP POST	WM	WATER METER
MH	MANHOLE	WO	WASH OUT VALVE
NPV	NO PIPES VISIBLE	WR	WATER RISER
ND	NO DEPTH (Unable to acquire depth)	WS	WINDOW SAMPLE

**GENERAL NOTES:**

Electromagnetic and GPR methods used to locate services.

Base plan provided by HSP.

Unable to survey parts of site due to parked vehicles.

It's recommended that statutory service records are consulted in conjunction with this survey. No records provided by HSP prior to site visit.

Unable to trace gas, water and BT connections to building. Advise reviewing statutory records or proving their location with trial holes.

Underground services shown on this drawing are illustrated by an individual service line, this does not necessarily represent the number of cables or ducts.

Services shown outside the survey boundary are for information only and may not be complete. If information is required outside our survey boundary, please contact an RP Drilling Project Manager.

**Electromagnetic and GPR Survey Disclaimer**

Electromagnetic and Ground Penetrating Radar techniques have been used to locate/map underground utilities within the designated survey area. RP Drilling Ltd has made every endeavour to ensure that the information contained within this drawing is accurate and of the highest quality.

The completeness of any underground survey cannot be 100% guaranteed. Additional services, structures or other below ground obstructions not indicated on this drawing may be present on site, meaning the results from these types of survey are not infallible.

Electromagnetic techniques can only locate those services that generate an electromagnetic field, or which an electromagnetic field can be induced by either directly clamping onto a service or line threading/piercing. For example an electromagnetic survey would not locate plastic gas pipes, plastic water pipes and some communication cables etc. 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 therefore possible that features that are detected by connecting to one type of apparatus may not in fact be that type of utility. Therefore the identification of apparatus cannot be assumed to be totally accurate and cannot guarantee to reveal the exact routes of all buried services or to detect their presence.

GPR does NOT classify buried services, but can indicate the presence of voids, disturbed ground, trenches etc. The effectiveness of GPR can be severely limited by ground conditions and therefore it's results cannot be guaranteed.

Depth of underground features are generally within +/- 20% accurate. The depths obtained are measured from the centre of the conductor and do not necessarily indicate the depth to a duct or pipe. If the location or depth of a service/feature is of particular importance to a project, it is strongly advised that trial excavations should be undertaken (Ref: HSE07) to confirm survey results.

Any information taken from record plans, or statutory utility providers will be used as a guide only and is not guaranteed. If our surveys are unable to trace a 'known' service it will be marked on the drawing as TFR (taken from records). RP Drilling Ltd is not liable for any inaccuracies relating to that service as historic record information is often incomplete and cannot be relied upon.

RP Drilling Ltd is not liable for any topographical surveys that have not been undertaken by us. Any inaccuracies relating to topographical plans/development plans/Ordinance Survey data that we have no control over is the liability of the client. Based on equipment limitations RP Drilling cannot be held responsible for any inaccuracies beyond those that could be reasonably expected by a competent company and calibrated equipment.



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Client  
**hsp consulting**

Site Location  
**St Mary's Way  
Melton Mowbray**

Surveyed by	CA/WR	Drawn by	TT	Approved by	CA
Drawing No.	0317-HSP-007			Revision	-
Scale	1:100@ A1	Date	01/03/2017	Sheet No.	1 of 1