

**NOTES**  
Boundaries surveyed are physical features and may not necessarily represent the legally conveyed ownership.  
Tree Species, Girths and Heights are approximate, any tree species identified should not be relied upon and checked by a specialist if critical.  
Underground drainage depths, pipe sizes and runs have been recorded from the surface and may have been estimated or assumed.  
Features surveyed off site such as buildings and trees may have been recorded remotely and may not be shown in full detail due to access / lighting restrictions.

**SURVEY CONTROL**  
THIS SURVEY IS ORIENTED TO DRAINAGE SURVEY GRID NORTH WITH A TRUE GRID COORDINATE MARKER BEING THE CENTRE OF THE SURVEY. THE SURVEY IS PLOTTED TO A FLAT PLANE ORIGIN HORIZONTAL MEASUREMENTS TAKEN FROM THIS SURVEY WILL BE TRUE SERVICES REFER TO SURVEY CONTROL STATION LISTING FOR RE-ESTABLISHING CONTROL POINTS.

**SURVEY STATIONS**

Name	Easting	Northing	Height
STNA	123456.789	123456.789	123.456
STNAA	123456.789	123456.789	123.456
STNAB	123456.789	123456.789	123.456
STNAC	123456.789	123456.789	123.456
STNAD	123456.789	123456.789	123.456
STNAE	123456.789	123456.789	123.456
STNBF	123456.789	123456.789	123.456
STNBG	123456.789	123456.789	123.456
STNBH	123456.789	123456.789	123.456
STNBI	123456.789	123456.789	123.456
STNBK	123456.789	123456.789	123.456
STNBL	123456.789	123456.789	123.456
STNBM	123456.789	123456.789	123.456
STNBN	123456.789	123456.789	123.456
STNBO	123456.789	123456.789	123.456
STNBQ	123456.789	123456.789	123.456
STNBR	123456.789	123456.789	123.456
STNBS	123456.789	123456.789	123.456
STNBT	123456.789	123456.789	123.456
STNBV	123456.789	123456.789	123.456
STNBW	123456.789	123456.789	123.456
STNBX	123456.789	123456.789	123.456
STNBZ	123456.789	123456.789	123.456
STNCA	123456.789	123456.789	123.456
STNCAA	123456.789	123456.789	123.456
STNCAB	123456.789	123456.789	123.456
STNCAC	123456.789	123456.789	123.456
STNCAD	123456.789	123456.789	123.456
STNCAE	123456.789	123456.789	123.456
STNCAF	123456.789	123456.789	123.456
STNCAH	123456.789	123456.789	123.456
STNCAL	123456.789	123456.789	123.456
STNCAM	123456.789	123456.789	123.456
STNCAN	123456.789	123456.789	123.456
STNCAO	123456.789	123456.789	123.456
STNCAP	123456.789	123456.789	123.456
STNCAQ	123456.789	123456.789	123.456
STNCAR	123456.789	123456.789	123.456
STNCAS	123456.789	123456.789	123.456
STNCAT	123456.789	123456.789	123.456
STNCAT	123456.789	123456.789	123.456
STNCAT	123456.789	123456.789	123.456
STNCAT	123456.789	123456.789	123.456
STNCAT	123456.789	123456.789	123.456

**SITE**  
**FORMER INDUSTRIAL SITE**

**PROJECT**  
**UNDERGROUND UTILITY SURVEY - EXAMPLE**

SCALE: 1:500 @ A0 DATE: 01/01/2023

DRAWING NO: **EX-UG-1**

**DISCLAIMER**

ELECTRO-MAGNETIC TECHNIQUES AND/OR GROUND PENETRATING RADAR HAVE BEEN USED IN THE LOCATION OF UNDERGROUND SERVICES. THE RESULTS ARE NOT INFALLIBLE AND TRIAL EXCAVATIONS SHOULD BE CARRIED OUT TO CONFIRM SERVICE IDENTIFICATION, POSITIONS AND PARTICULARLY DEPTHS, WHERE THESE ARE CRITICAL. ALTHOUGH ALL REASONABLE EFFORT HAS BEEN MADE IN SEARCHING AVAILABLE RECORD DRAWINGS, THE COMPLETENESS OF THE UNDERGROUND SERVICES INFORMATION CANNOT BE GUARANTEED. THE METHODS OF SURVEY DOES NOT DIFFERENTIATE BETWEEN LIVE AND DEAD SERVICES AND AS SUCH ALL SERVICES SHOULD BE TREATED AS LIVE.

WHERE SERVICES ARE NON-METALLIC POSITIONS MAY BE TAKEN FROM RECORDS, TRENCH SCARS & SURFACE DETAIL.

WHERE QUOTED, DEPTH ESTIMATIONS ARE GENERALLY TO THE CENTRE OF THE SERVICE. DEPTHS TO GRAVITY SEWERS AND DRAINS ARE GENERALLY TO INVERT LEVELS UNLESS OTHERWISE STATED.

PIPE SIZES WHICH CANNOT BE OBTAINED BY VISUAL SURVEY ARE TAKEN FROM RECORD DRAWINGS OR MARKER PLATES WHERE AVAILABLE.

WHERE GROUND PENETRATING RADAR HAS BEEN USED IT WILL PRIMARILY HAVE BEEN TO IDENTIFY UNDERGROUND UTILITIES IF POSSIBLE WE WILL ALSO IDENTIFY UNDERGROUND STRUCTURES TANKS ETC. BUT CANNOT GUARANTEE TO HAVE LOCATED ALL SUCH ITEMS THE USE OF RADAR CAN BE LIMITED BOTH BY SURFACE CONDITIONS AND ALSO BY SOIL TYPE. DEPTH ESTIMATES WOULD NOT NORMALLY BE PROVIDED FOR SERVICES LOCATED WITH GPR.

**ABBREVIATIONS**

AC	ASBESTOS CEMENT	LC	LIGHTING COLUMN
AR	ASSUMED ROUTE	MM	MANHOLE
BB	BACKDROP	MW	MONITORING WELL
BD	BORING	OH	OVERHEAD
BH	BOREHOLE	OSA	OFF SURVEY AREA
BR	BRICK	PE	POLYETHYLENE
BT	BT INSPECTION CHAMBER	PL	PLASTIC
CATV	CATV INSPECTION CHAMBER	PR	PIPE RISER
CBX	CONTROL BOX	PVC	POLYVINYL CHLORIDE
CI	CAST IRON	RE	RODDING EYE
CL	COVER LEVEL	RWP	RAIN WATER PIPE
CL	CABLE RISER	SIA	SOMKAWAY
CP	DEPTH	SI	SPUN IRON
CP	DEPTH	ST	STOP TAP
DI	DUCTILE IRON	ST	STEEL
DIP	DOWN PIPE	SV	SILUICE VALVE
ED	EMPTY DUCT	SVP	SOIL VENT PIPE
ESOS	END OF TRENCH SCAR	TE	TRAPPED EXIT
EOT	END OF TRACE	TFR	TAKEN FROM RECORD
ER	EARTHING ROD	TL	TRAFFIC LIGHT
EP	ELECTRICITY POLE	TP	TELEGRAPH POLE
FD	FIRE HYDRANT	UTCTV	UNABLE TO CCTV
FL	FLOOD LIGHT	UTF	UNABLE TO FIND
G	GULLY	UTL	UNABLE TO LIFT
GPR	GROUND PENETRATING RADAR	UTS	UNABLE TO SURVEY
GRP	GLASS REINFORCED PLASTIC	VC	VITRIFIED CLAY
GV	GAS VALVE	VP	VENT PIPE
HL	HIGH LEVEL	WR	WATER RECOVERY
HOR	HEAD OF RUN	WL	WATER LEVEL
IC	INSPECTION CHAMBER	WM	WATER METER
IL	INVERT LEVEL	WO	WASH OUT VALVE
CWS	COMBINED WATER SEWER		
FWS	FORK WATER SEWER		
CWS	COMBINED WATER SEWER		

**UTILITY KEY**

