



UTILITY KEY

- ELECTRIC CABLE
- HY ELECTRIC CABLE
- ELECTRIC & COMMS CABLE
- EARTHING ROD / CABLE
- TRAFFIC SIGNAL CABLE
- TELECOMS CABLE
- CABLE TELEVISION
- COMMUNICATION CABLE
- WATER PIPE
- GAS PIPE
- FOUL DRAINAGE
- CONTAMINATED SURFACE DRAINAGE
- SURFACE DRAINAGE
- COMBINED DRAINAGE
- PUMPING MAIN
- FUEL PIPE
- VENT PIPE
- OFFSET FILL PIPE
- GAUGE LINE
- VAPOUR RECOVERY
- HEATING PIPES
- UNIDENTIFIED GPR HIT
- UNIDENTIFIED SERVICE DUCTS
- TRENCH SCAR
- GROUND DEPRESSION
- SURVEY BOUNDARY

○ CABLE / PIPE RISER (END OF TRACE)
 ● BACKDROP / TRAPPED EXIT (END OF RECORDS)
 ⇨ DRAINAGE VALVE / GATE (HEAD OF RUN / CAPPED)
 ⇩ PIPE INLET / OUTFALL

ABBREVIATIONS

AC	ASBESTOS CEMENT	LP	LAMP POST
AR	ASSUMED ROUTE	MH	MANHOLE
BB	BASE BOND	MW	MONITORING WELL
BD	BACKDROP	OH	OVERHEAD
BO	BORING	OSA	OFF SURVEY AREA
BR	BRICK	PE	POLYETHYLENE
BT	BT INSPECTION CHAMBER	PL	PLASTIC
CB	CONTROL BOX	PR	PIPE RISER
CI	CAST IRON	PVC	POLYVINYL CHLORIDE
CL	COVER LEVEL	RE	RODDING EYE
CR	CABLE RISER	RWP	RAIN WATER PIPE
CP	CATCHPIPE	S/A	SOAKAWAY
d	DEPTH	SI	SPUN IRON
DI	DUCTILE IRON	ST	STOP TAP
DP	DOWN PIPE	SV	SUICE VALVE
ED	EMPTY DUCT	SVP	SOIL VENT PIPE
EOR	END OF RECORDS	TE	TRAPPED EXIT
EOSC	END OF TRENCH SCAR	TFR	TAKEN FROM RECORD
EOT	END OF TRACE	TL	TRAFFIC LIGHT
ER	EARTHING ROD	TP	TELEGRAPH POLE
EP	ELECTRICITY POLE	UTCCTV	UNABLE TO CCTV
FH	FIRE HYDRANT	UTF	UNABLE TO FIND
FL	FLOOD LIGHT	UTL	UNABLE TO LIFT
G	GULL	UTS	UNABLE TO SURVEY
GPR	GROUND PENETRATING RADAR	V	VITRIFIED CLAY
GRP	GLASS REINFORCED PLASTIC	VP	VENT PIPE
GV	GAS VALVE	WL	WATER LEVEL
HL	HIGH LEVEL	WR	WATER RECOVERY
HOR	HEAD OF RUN	WM	WATER METER
IC	INSPECTION CHAMBER	WO	WASH OUT VALVE
IL	INVERT LEVEL		

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.

Section A
Datum 7.00m

Chainage	Ground Level	Easting	Northing
207000	19.00	123456.789	123456.789
207005	19.05	123456.789	123456.789
207010	19.10	123456.789	123456.789
207015	19.15	123456.789	123456.789
207020	19.20	123456.789	123456.789
207025	19.25	123456.789	123456.789
207030	19.30	123456.789	123456.789
207035	19.35	123456.789	123456.789
207040	19.40	123456.789	123456.789
207045	19.45	123456.789	123456.789
207050	19.50	123456.789	123456.789
207055	19.55	123456.789	123456.789
207060	19.60	123456.789	123456.789
207065	19.65	123456.789	123456.789
207070	19.70	123456.789	123456.789
207075	19.75	123456.789	123456.789
207080	19.80	123456.789	123456.789
207085	19.85	123456.789	123456.789
207090	19.90	123456.789	123456.789
207095	19.95	123456.789	123456.789
207100	20.00	123456.789	123456.789

SITE

RIVER CROSSING EXAMPLE

PROJECT

TOPOGRAPHICAL SURVEY WITH BATHYMETRIC SURVEY & UNDERGROUND UTILITY SURVEY

SCALE

1:500 @ A1

DATE

01/01/2023

DRAWING No.

EX-T-6

SURVEY CONTROL

CO-ORDINATES & DATUM DERRIVED USING GEOID MODEL OSGM15(GB) & HORIZONTAL TRANSFORMATION OSTN15

Name	Easting	Northing	Height
STNA	123456.789	123456.789	123.456
STNB	123456.789	123456.789	123.456
STNC	123456.789	123456.789	123.456
STND	123456.789	123456.789	123.456

NOTES

Boundaries surveyed are physical features and may not necessarily represent the legally conveyed ownership.

Tree Spreads, 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 / sighting restrictions

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