

UNDERGROUND SERVICES

- 1) Although every effort has been made to trace underground services using radiodetection, no guarantee can be given that all services have been traced. It is not possible to trace certain types of plastic service pipes, e.g. Gas & Water. Service trial holes must be dug prior to excavation.
- 2) In the absence of evidence to the contrary the routes of confirmed manhole connections are assumed to be direct and straight.
- 3) This survey has been carried out in accordance with the RICS Code of Practice for Locating Underground Utilities at scales of 1:500 & larger.
- 4) Underground service information should be read in conjunction with latest statutory drawings.
- 5) Please note that it is illegal to lift telecommunications covers in public areas. Their routes can be ascertained by contacting the relevant utility companies.
- 6) The survey was carried out by Utilimaps Limited. It is not possible to trace plastic pipes by radiodetection e.g. Gas/Water or fibre optic cables or pipes of less than 100mm in diameter. The electronic detection of pipework will not detect services that are not connected to the main network. An alternative GPR techniques can be employed at additional cost in an attempt to locate services not detectable by radiodetection. All tracing is subject to retrieval of clear signals.

GPR REFLECTIONS

GROUND RADAR

The material surrounding and particularly above buried services can be mapped using ground penetrating radar (GPR). The results of the survey are shown on the drawings as GPR reflections. The presence of moisture or clay and changes in the material construction can lead to poor data resolution.

As we have no information with respect to the material overlying any services, the results of the survey are shown on the drawings as GPR reflections. The presence of moisture or clay and changes in the material construction can lead to poor data resolution.

50% Depth, results using GPR are typically accurate to within 10% with a horizontal accuracy of 150mm. These figures will vary as the velocity of the ground is assumed at 80ms. The results of the GPR survey are shown on the drawings as GPR reflections. The presence of any service shown actually exists, only a possibility that something can seen on the records.

NOTES

- THE SIZE AND LOCATION OF SERVICES SHOWN ON THIS DRAWING ARE BASED ON THE INFORMATION PROVIDED BY THE CLIENT PRIOR TO ANY EXCAVATION WORKS.
- MULTIPLE CABLE LINES ARE GRAPHICAL REPRESENTATION OF OVERALL THICKNESS - DO NOT COUNT
- THE CLIENT DOES NOT AGREE TO THE CENTRE OF THE UTILITY AND TELECOMMUNICATION CABLES HAVE BEEN LOCATED EITHER BY PASSIVE MODES, INDUCED TRANSMITTER/RECEIVER MODES OR BY THE USE OF GPR.
- EVERY EFFORT HAS BEEN MADE BY UTILIMAP LTD TO PROVIDE ACCURATE INFORMATION, THOUGH ALL SERVICES LEVELS THE CLIENT BEFORE UNDERTAKING ANY EXCAVATION WORKS. PLEASE CONTACT UTILIMAP LTD TO CONFIRM THAT THE LATEST REVISION IS BEING USED.
- ANY QUESTIONS PLEASE CONTACT UTILIMAP LTD.

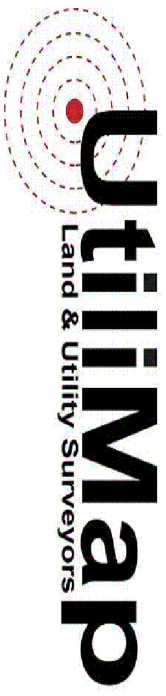
— 31 —	BRITISH TELECOM
— 30 —	CABLE TELEVISION
— 29 —	COAST GUARD
— 28 —	DATA COMMUNICATIONS
— 27 —	MULTI-DUCT MANAGEMENT
— 26 —	POWER
— 25 —	HIGH VOLTAGE
— 24 —	HEATING PIPES
— 23 —	OIL
— 22 —	FOLI WATER
— 21 —	STORM WATER
— 20 —	PLUMBING MAIN
— 19 —	RADAR LOCATE
— 18 —	INDICATIVE ONLY
— 17 —	END OF TRACE
— 16 —	ROD STOPPED
— 15 —	BACK DROP
— 14 —	TRAP
— 13 —	SEWER CAPPED
— 12 —	SEWER ABANDONED
— 11 —	SURVEY ABANDONED

ABBREVIATIONS

(AR) Assumed Route	BL Base Level
BH Bore Hole	d Depth
HW Working Hole	NT No further information
SA Survey Area	SP Soil Level
SP Soil Level	(S) Source
SA Survey/Abandoned	(TFR) Taken From Records
UTL Unable to Locate	(WS) Weak Signal

LEVELS

LOCAL DATUM:	☐	INDICATIVE ONLY
GPS OS DATUM:	☐	
PREVIOUS SURVEY:	☐	
GRID	☐	
LOCAL & ARBITRARY:	☐	
GPS OS GRID:	☐	
PREVIOUS SURVEY:	☐	
APPROX.	☐	



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- Utility Mapping Surveys
- Cross Section Surveys
- Topographical Surveys
- CCTV Drainage Surveys

Client

lawray architects

Title
EARLSWOOD FIRE TRAINING CENTRE
PART 128 UTILITY & DRAINAGE SURVEY

REV	ISSUE DATE	EXPIRY DATE	DRAWING CHANGE
R1	26/04/2022	26/04/2023	PART 128 UTILITY & DRAINAGE SURVEY

Drawn	LG	Checked	SW
1:200 @ A1	in	Date	APR 2022

Drawing Number: R1
ACAD-EARLSWOOD-FIRE-TRAINING-CENTRE