



LEGEND

Utility Survey Point Features

FH - Fire Hydrant	ICE - Electric	MH - Foul
GV - Gas Valve	ICR - Round	MH - Round
G - Gully	ICT - Telecom	MHS - Surface Water
GR - Gully Round	ITC - Traffic	SC - Stop Cock
IC - Inspection Cover	IC - CATV	WM - Water Meter
ICC - Comms	MH - Manhole	WV - Water Valve

Utility Survey Linework Features

BT - British Telecom	E - Electrical
CATV - Cable TV	EE - Electrical Earth
CCTV - Closed Circuit TV	LV - Electrical - Low Volt
COMMS - Communications	HV - Electrical - High Volt
FOL - Fibre Optic Line	EHV - Electrical - Extra High Volt
FOLC - Fibre Optic Line - Colt	TFL - Electrical - TFL
FOLE - Fibre Optic Line - Energis	SL - Street Lighting
FOLF - Fibre Optic Line - Fibernet	TCSU - Traffic Control System Unit
FOLL - Fibre Optic Line - Level 3	G - Gas
FOLM - Fibre Optic Line - Mercury	GS - Gas Service
FOLMF - Fibre Optic Line - MFSC	GLP - Gas Low Pressure
FOLT - Fibre Optic Line - Tarent	GIP - Gas Intermediate Pressure
FOLV - Fibre Optic Line - Virgin	GMP - Gas Medium Pressure
FOLVF - Fibre Optic Line - Vodafone	GHP - Gas High Pressure
FOLVN - Fibre Optic Line - Verizon	GPR - Unknown
FOLW - Fibre Optic Line - WCOM	ED - Empty Duct
TS - Telecom Service	LA - Unknown Asset
CW - Combined Water	UAPS - UA Passive Sweep
FW - Foul Water	UCL - Unknown Cable
SW - Surface Water	GPR Slab
FRW - Fire Water	Manhole Chamber
RM - Rising Main	Manhole ID
WM - Water Main	PE - Pot End
WS - Water Service	XX (AS) - Assumed Service

PAS128 Quality Levels

(Consult document PAS128:2014.pdf for full details)

XX - A - Quality Level A	XX - B3 - Quality Level B3
XX - B1 - Quality Level B1	XX - B3P - Quality Level B3P
XX - B1P - Quality Level B1P	XX - B4 - Quality Level B4
XX - B2 - Quality Level B2	XX - C - Quality Level C
XX - B2P - Quality Level B2P	XX - D - Quality Level D

Special Survey Features

DATUM - Datum Point	ID - Survey Station
Photo Point	ID - Scan Target
Panoramic Photo Point	ID - Scan Target

Utility Survey Abbreviations

AB - Abandoned	FLD - Flooded	TFR - Taken From Records
BLO - Blocked	IL - Invert Level	UTO - Unable to Open
CL - Cover Level	NT - No Trace	UTS - Unable to Survey
CUT - Disconnect Utility	OE - Overhead Electric	UKN - Unknown
EOG - End of GPR Signal	OT - Overhead Telecom	WL - Water Level
EOT - End of Trace	P - Pilot	Xdd - Service Depth - Grd to Top of Service
FOS - Full of Silt	SOF - Sorts Level	

Utility Material Abbreviations

AC - Asbestos Cement	CC - Concrete Chamber	SI - Spun Iron
BC - Brick Chamber	DI - Ductile Iron	ST - Steel
CI - Cast Iron	PE - Polyethylene	WTR - Water

Murphy Surveys Ltd. Disclaimer

The user or recipient of this survey data understands and acknowledges that the data may be inaccurate or contain errors or omissions and the user or recipient assumes full responsibility for any risks or damages resulting from, arising from, or in connection with any use of, or reliance upon data displayed herein. Although significant care has been exercised to produce surveys that satisfy survey accuracy standards, these surveys are only as accurate as the source data from which they were compiled. Although all reasonable steps have been taken to locate all features visible at the time of the survey, there is no guarantee that all will be shown on the drawing, as some above ground features may have obstructed the survey. Wherever possible, areas unable to be surveyed will be labelled as 'UTO'.

The Company shall not be liable for any inaccuracy of the data provided beyond the specified scale or accuracy, or for any matter resulting from their use for purposes other than that stated in the Contract. No liability shall attach to the Surveyor in respect of any consequential loss or damage suffered by the Client.

The Client must promptly notify the Company of any errors in mapping of which it becomes aware. If misleading, inaccurate or otherwise inappropriate information is brought to the Company's attention or the Company itself identifies any such impression or error in a survey, it shall use its reasonable endeavours to fix or remove it and if necessary in certain instances, the Company being on notice of any such misleading, inaccurate or otherwise inappropriate information, it will re-conduct the survey and reproduce the data to within the specified scale or accuracy.

In ideal conditions these spatial accuracies for the underground utilities are +/- 5% for the RDA000R0000 and +/- 10% of depth for the GPR to 2.5m deep. However, variations within the subsurface may alter this estimated accuracy.

In the event of any Manhole ID being unsuccessful, we will report these as 'UTO'. Murphy Surveys UK Ltd will attempt to lift each Manhole for 15 minutes prior to reporting an unsuccessful lift. All lift attempts marked on site as a guide only, as it is a requirement to inform BT via their Dial before you Dig scheme prior to commencement of excavation works. For onsite assistance contact - 0800 779666 - digbeforeyoudig@bt.com

Murphy Surveys UK Ltd promote safe excavations and prompt all contractors to perform further exploration works in line with PAS128 Quality Level A (Verification).

Please note this drawing should always be read in conjunction with the Utility Survey Report. The Utility Report will also include full disclaimer regarding the works carried out.

Revisions				
Rev	Description	Surveyed by	Drawn by	Checked by
A	First Issue	DA/DA - 10/06/20	BC - 10/10/20	DA - 11/10/20

Drawing Sheet Layout

MURPHY SURVEYS

GLOBAL CONSULTING SURVEYORS

Topographic surveys, Measured Building Surveys, Setting Out, As-Built Surveys, Photographic Surveys, Legal Mapping, Pipeline Surveys, Services Location, Ground Penetrating Radar, Laser Scanning, Rectified Photography

London Warrington Glasgow Belfast Cork Kildare

UK Head Office
39 - 41 North Road
London
N7 9DP

Phone: (+44) 0203 598 3775
Email: info@murphysurveys.co.uk

www.murphysurveys.co.uk

Client	St George PLC
Project	Camden Goods Yard
Site Address	Chalk Farm Rd, Camden Town, London, NW1 8AA
Description	Underground Utility Survey (PAS128)
Survey Grid	OSGB36(15)
Survey Datum	GNSS - Ordnance Datum Newlyn (ODN)
Drawing Scale	1:200 @ A0
Drawing Number	MSL36467-U-AII-02

© Copyright 2020 MURPHY SURVEYS LTD