

LEGEND

UTILITY LINTYPES	Color/Line Style	Utility Name
BT	Blue dashed	Gas
CATV	Red dashed	Heating Pipes
CCTV	Green dashed	HW
Closed Circuit Television	Blue dashed	Multiple Services Route
C	Red dashed	MSR
Drainage	Blue dashed	CL
Drainage - Combined Water	Green dashed	CVW
Drainage - Fuel Water	Red dashed	F70
Drainage - Storm Water	Blue dashed	SW
Empty Duct	Red dashed	EB
Electric	Red dashed	E
Fire Hydrant Man	Red dashed	FH
Fire Duct	Red dashed	FD
Fuel	Red dashed	FUE
Assumed Service Route - See GENERAL NOTES (Using abbreviation of service and colour as above)	Red dashed	ASR

UTILITY SURVEY INFORMATION

Utility Type	Symbol	Utility Name
Loaded by Ground Penetrating Radar	GPR	Unable to Survey
Area of Concern	AOC	Unable to Lift Cover
Contracted Survey Area	CSA	Unable to Trace
Previous Survey Area	PSA	Unable to Trace (due to blockage)
Depth to Top of Service (metres)	(0.800)	Unable to Trace Further
	(0.800)	End of Trace

ABBREVIATIONS used on a PAS 128 Survey (0.65d BPT) 0.65d = Depth in metres, B2 = Quality Level, P = Post processed GPR

TOPOGRAPHIC & UTILITY DETAILS

Symbol	Utility Name	Symbol	Utility Name
Barrier (symbol - sized)	Barrier	Post (symbol)	Post
Belted Beacon (symbol)	Belted Beacon	Rain Water Pipe (symbol)	Rain Water Pipe
Bolard (symbol)	Bolard	Road Sign (symbol)	Road Sign
Borehole (symbol)	Borehole	Roadside Eye (symbol)	Roadside Eye
British Telecoms IC	BTMHI	Sapping (symbol)	Sapping
Building (incomplete detail)	Building	Sign Post (symbol)	Sign Post
Canoe in Ground (symbol)	Canoe	Spot Height	Spot Height
Cable TV Box (symbol)	Cable TV Box	Spot Light (symbol)	Spot Light
Carpet Level in metres	CL 50.00	Stop Valve (symbol)	Stop Valve
CCTV Camera	CCTV	Survey Station (symbol)	Survey Station
Direction of Flow (Drainage)	DF	Telephone Pole (symbol)	Telephone Pole
Distribution Board (symbol)	DB	Telephone Box (symbol)	Telephone Box
Earth Pit (symbol)	EP	Traffic Light (symbol)	Traffic Light
Electric Cabinet	EC	Traffic Sign (symbol)	Traffic Sign
Electric Pole (symbol)	EP	Traffic Sign (symbol)	Traffic Sign
Electric Sign (symbol)	ES	Tree (dimensions in metres - e.g.)	Tree
Embankment	EMB	Depth in feet (e.g.)	Depth
Feeder Pipe	FP	Depth in metres (e.g.)	Depth
Fire Hydrant	FH	Spine	Spine
Flag Pole (symbol)	FP	Traffic Light (symbol)	Traffic Light
Flat Roof Level in metres	FRL 50.00	Unknown Valve (symbol)	Unknown Valve
Flood Light (symbol)	FL	Water Meter (symbol)	Water Meter
Gas Valve (symbol)	GV	Water Valve (symbol)	Water Valve
Gas	G	Waste Pipe (symbol)	Waste Pipe
Ground Level in metres	GL 50.00	Water Meter (symbol)	Water Meter
Gully	GU	Water Valve (symbol)	Water Valve
Inspection Cover	IC	Building Canopy	Building Canopy
Invert Level in metres	IL 50.00	Crash Barrier	Crash Barrier
Junction Box - BT	JB BT	Drainage Channel	Drainage Channel
Junction Box - Comms	JB CCM	Drop Kerb (level in metres)	Drop Kerb
Junction Box - Elec	JB	Edge Detail (level in metres)	Edge Detail
Light (symbol - sized)	L	Footpath (level in metres)	Footpath
Light (Barbed) (symbol)	LB	Fence	Fence
Light in ground (symbol)	LIG	Hedge Fence	Hedge Fence
Manhole	M	Kerb channel (level in metres)	Kerb channel
Manhole Capped Port	MCP	Kerb top (level in metres)	Kerb top
Manhole Level in metres	ML 50.00	Overhead Service Line	Overhead Service Line
Pipe Diameter in millimetres	PD 100	Pedestrian Railing	Pedestrian Railing
Pipe into Ground (symbol)	PIG		

GENERAL NOTES

Utilities may continue outside of the survey area. Any point marks outside of the area are for investigative purposes only and may not represent the full extent of the sub-surface utilities.

Only sub-surface utility information is provided. Above ground utility information may be shown where it assists with positional referencing.

Where logic indicates a utility exists but which cannot be positively confirmed with the technology, an assumed route (ASR) is recorded. All Assumed Service Routes (ASR) have been highlighted with a background yellow colour for visual enhancement.

SUMO does not procure statutory or private source utility information as part of its detection service nor does it record any such information in a utility survey unless otherwise [] or [] Statutory plans should be consulted to supplement this survey.

Vertical & Horizontal Position - Vertical position (depth) is indicative to the top of the utility feature and is recorded as DTS (depth to top of service) and should not be taken as exact. Where depth information from the technology is unclear, depth is not shown. Drains may have been detected using threading and the depth indicated could be between the top and the bottom of the drain. Horizontal position is indicative to the centre of the utility feature and should not be taken as exact.

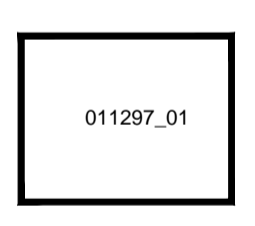
Warranty - Biodegradable paints are used to mark-out the position of the utilities. Before long point markings may become illegible depending on ground, weather and traffic conditions. No warranty is given in respect of the durability of the paint markings and that they are a complete representation of the sub-surface utilities therefore this drawing should be used as the primary reference for the survey results.

This drawing does not provide an absolute representation of the sub-surface. Utilities have been detected using non-invasive technologies only and the performance can be adversely affected by ground, weather and site conditions outside of SUMO's control therefore some utilities may be undetectable. While SUMO uses reasonable endeavours to detect all utilities it does not warrant that 100% detection will be achieved and that approximate depth penetration of the technologies will be greater than two metres.

Sewer and manhole details shown on this drawing have been obtained by observation and measurement from the surface and as such cannot be guaranteed. Where precise sewer details will be critical to the project design Sumo would recommend that entry into the chamber be undertaken using a specialist team, appropriately qualified for confined space entry. These teams can be supplied on request.

Irrespective of the information provided by a utility survey and statutory plans, excavation work should be undertaken with extreme caution and in accordance with HSE Guidelines - HSG47 Avoiding Danger from Underground Services

SHEET LAYOUT



Rev	Notes	Drawn	Date

Notes:

Grid Origin and Level Datum are arbitrary.

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Title: Utilities & Topographical Details	
Client: LocalGlobe	
Project: Pheonix Court, Purchase Street, Kings Cross, London	
Date Completed: 23/05/2017	Post Code: NW1 1EL
Surveyed: AP	Scale: 1/100 (A1 Sheet)
Drawn: EAK	
Checked: AP	
Dwg No: 011297_01	Job No: SOR011297
	Rev: