



UTILITY LEGEND

FVS	Foul Drainage	ST	British Telecom
SVS	Surface Drainage	OHT	Overhead Telecom
CDS	Combined Drainage	FD	Fibre Optics
E	Electricity	UK	Unknown
OE	Overhead Electricity	GPR	Unknown Route Located By GPR
TL	Traffic Light System	Duct	Ducting
GAS	Gas	BCT	Close Circuit Television
W	Water		GPR Image Position
T	Telecommunications		Survey Extents
CATV	Cable Television		Photo Position
CCTV	Close Circuit Television		

*** Please Note:**
Utility routes shown in dark grey & with line type (I) are from existing records.
Example: E09 E09 E09

ABBREVIATIONS

AC	Asbestos Cement	FS	Flag Staff	SI	Spun Iron
ACU	Air Conditioning Unit	G	Gully	SL	Soffit Level
AD	Assumed Direction	GPR1	Ground Penetrating Radar Inconclusive	SP	Sign Post
AR	Assumed Route	IC	Inspection Cover	Spr	Spraying
AV	Air Valve	GV	Gas Valve	S/R	Steel Railings
BB	Bellisha Beacon	HR	Hand Rail	SS	Sonde Stops
BD	Back Drop	IC	Inspection Cover	ST	Stop Tap
BdL	Bed Level	IL	Invert Level	Stn	Survey Station
BH	Borehole	IR	Iron Rail Fence	SV	Sluice Valve
Bk	Brick	KO	Kerb Outlet	SVP	Soil Vent Pipe
BL	Basement Light	LB	Letter Box	SW	Stone Wall
BO	Bollard	LC	Lighting Column	Tac	Tactile Paving
BR	Brick	LH	Lamp Hole	TBM	Temporary Bench Mark
BS	Bus Stop	LOR	Loss Of Reflection	TC	Telecom Cover
BT	British Telecom Cover	LOS	Loss Of Signal	TCB	Telephone Call Box
BTB	British Telecom Box	MB	Mooring Bollard	TCP	Telephone Call Post
BW	Brick Wall	MC	Multiple Cables	TFR	Taken From Records
B/W	Barbed Wire Fence	MH	Manhole Cover	TH	Trial Hole / Pit
Cam	Camera	Mkr	Marker Post	THL	Threshold Level
CAT	Catenary Level	MP	Mile Post/Stone	TK	Tank
C-B	Close Bordered Fence	NFI	No Further Information	TOW	Top Of Wall
CC	Control Cabinet	NM	Node Marker	TP	Telegraph Pole
CH	Charnage	NP	Name Plate	TS	Traffic Signals
ChL	Channel Level	NPV	No Pipes Visible	UIS	Upstream
CI	Cast Iron	OSA	Off Survey Area	UTGA	Unable to Gain Access
CL	Corrugated Iron Fence	P	Post	UTL	Unable to Locate
CL	Chain Link Fence	PBM	Permanent Bench Mark	UTR	Unable to Raise
Co	Concrete	PE	Polyethylene	UTS	Unable to Survey
CP	Catch Pit	PGM	Permanent Ground Marker	UTT	Unable to Trace
CPL	Coping Level	PL	Plastic	VC	Verified Clay
C/B	Crash Barrier	PIL	Palisade Fence	VDP	Vehicle Detector Pads
CTV	Cable TV	PM	Parking Meter	VP	Vent Pipe
CUL	Culvert	PR	Post and Rail Fence	VR	Vapour Recovery
CW	Concrete Wall	PJ	Pump	VTP	Vertical Pipe
DI	Ductile Iron	PVC	Polyvinylchloride	W	Water
di	Dilapidated	P/W	Post and Wire Fence	WL	Water Level
dis	Disused	PZ	Piezometer	WM	Water Meter
D/S	Downstream	RE	Rodding Eye	WM	Wire Mesh Fence
DSW	Dry Stone Wall	Ri	Riser	WO	Water Wash Out
Eb	Electricity Box	RL	Rail Level	WS	Window Sample
EC	Electricity Cover	RP	Reflector Post	WV	Wheel Valve
E/F	Electric Fence	RS	Road Sign		
EOT	End of Trace	RWP	Rain Water Pipe		
EP	Electricity Pole	R/W	Retaining Wall		
ER	Earth Rod	S	Stump		
FC	Fuel Cover	SA	Survey Abandoned		
FFL	Finished Floor Level	S/A	Soakaway		
FH	Fire Hydrant	SC	Speed Camera		
FO	Fibre Optic Cover	SF	Safety Fence		

NOTES

Read in conjunction with existing records.
Utility routes and text shown in dark grey are from existing records.
Drainage routes with a pipe diameter of 300mm or greater are shown as the pipe width along with continuous line style.
For additional copies please contact 40SEVEN.
Services plotted outside survey extents should not be considered to be exhaustive.

REV.	DETAILS	BY	DATE
GRID	DATUM		
ORDNANCE SURVEY RELATED TO THE OS ACTIVE STATIONS BY GPS OBSERVATIONS	ORDNANCE SURVEY RELATED TO THE OS ACTIVE STATIONS BY GPS OBSERVATIONS		

THE SURVEY ASSOCIATION

40SEVEN

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CERTIFICATE NUMBER: FS 11217

CLIENT:

ARCADIS CONSULTING
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PROJECT TITLE:

TFL SITES
PHASE 2 SMALL SITES
NEWHAM WAY

DRAWING TITLE:

PAS128 M4P
UNDERGROUND UTILITY MAPPING SURVEY

SURVEYED BY: PW / MM / JE / EE	DRAWN BY: VK	APPROVED BY: EE
SCALE: 1:200 @ A2	SURVEY DATE: 01 / 2019	
DRAWING NUMBER: 1670_P_Newham_Way		
SHEET NUMBER: 1 of 1 A2		REV:

DISCLAIMER

Unless otherwise stated, all services shown on this plan have been surveyed using approved detectors and the connections between manholes, if not traced, are assumed to be direct. No guarantee can be given that all services have been shown. In ideal conditions the depth accuracies for the underground utilities located is +/- 10% of depth. Where services are shown as 'Taken From Records' on the drawing we are not liable for any loss that may arise due to a lack of accuracy in that guided information. Due to BT's policy we are not permitted to lift their inspection chamber covers. Reference should be made to the methodology used on site as detailed within the latest version of 40SEVEN's Site Procedures for Utility Location Surveys. Excavations in the vicinity of services shown are to be carried out with due diligence (Ref: HS(G)47.) The following text is an extract from Surveys of Land, Buildings and Utility Surveys at scales of 1:500 and Larger issued by the Royal Institute of Chartered Surveyors December 2014. "Electronic tracing is a reliable method of locating buried services. On heavy, built up sites 85% completeness is probably all that can be expected. "Plan accuracies of the order of +/- 150mm may be achieved but this figure will depend on the depth of the service below ground level. Where similar services run in close proximity, separation may be impossible. Successful tracing of non-metallic pipes may be limited. "Existing record information showing underground services is often incomplete and of doubtful accuracy. It should be regarded only as an indication and cannot be guaranteed."