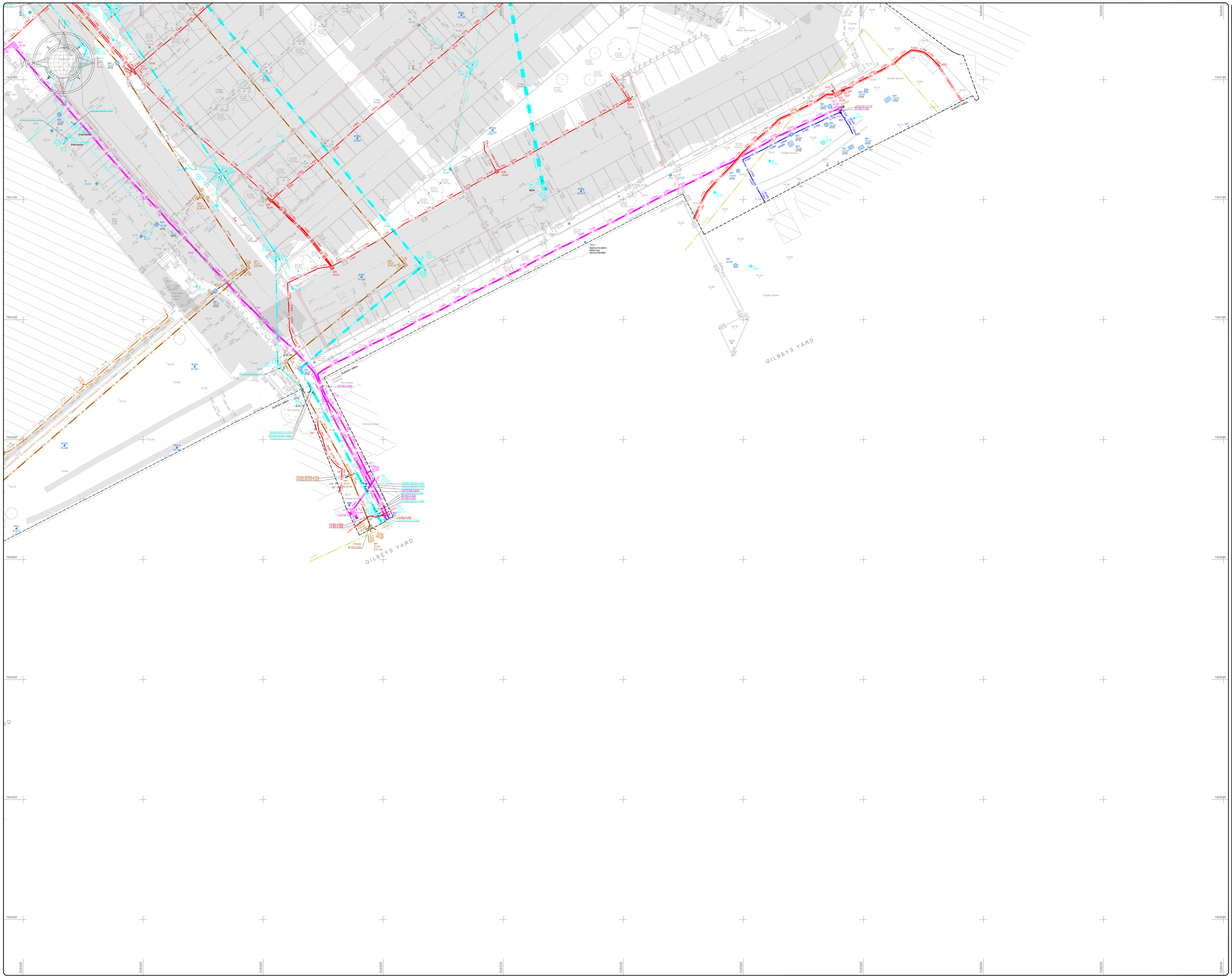


LEGEND

Utility Survey Point Features

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

Utility Survey Linework Features

Communications

- BT — British Telecom
- CATV — Cable TV
- CCTV — Closed Circuit TV
- COMMS — Communications
- FOL — Fibre Optic Line
- FOLC — Fibre Optic Line - Colt
- FOLE — Fibre Optic Line - Energis
- FOLF — Fibre Optic Line - Fibernet
- FOLL — Fibre Optic Line - Level 3
- FOLM — Fibre Optic Line - Mercury
- FOLMF — Fibre Optic Line - MFSC
- FOLT — Fibre Optic Line - Tanet
- FOLV — Fibre Optic Line - Virgin
- FOLVF — Fibre Optic Line - Vodafone
- FOLVN — Fibre Optic Line - Verizon
- FOLW — Fibre Optic Line - WCOM
- TS — Telecom Service

Drainage

- CW — Combined Water
- FW — Foul Water
- SW — Surface Water

Water

- FRW — Fire Water
- RM — Rising Main
- WM — Water Main
- WS — Water Service

Electrical

- E — Electrical Service
- EE — Electrical Earth
- LV — Electrical - Low Volt
- HV — Electrical - High Volt
- EHV — Electrical - Extra High Volt
- TFL — Electrical - TFL
- SL — Street Lighting
- TCSU — Traffic Control System Unit

Gas

- G — Gas Service
- GLP — Gas Low Pressure
- GIP — Gas Intermediate Pressure
- GMP — Gas Medium Pressure
- GHP — Gas High Pressure
- GPR = Unknown

- ED — Empty Duct
- GPR — GPR Anomaly
- UA — Unknown Asset
- UAPS — UA Passive Sweep
- UCL — Unknown Cable
- GPR Slab
- GPR Survey Area

Other

- Manhole Chamber
- MH — Manhole ID
- PEO — Pot End
- XX (AS) — Assumed Service

PAS128 Quality Levels

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

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

Special Survey Features

- DATUM 12.24 — Datum Point
- Photo Point
- Panoramic Photo Point
- ID — E=XXXX.XXX N=YYYY.YYY H=ZZZ.ZZZ — Survey Station
- ID — E=XXXX.XXX N=YYYY.YYY H=ZZZ.ZZZ — Scan Target

Utility Survey Abbreviations

AB	Abandoned	FLD	Flooded	TFR	Taken From Records
BLD	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	XXd	Service Depth - Grd to Top of Service
FOS	Full of Silt	SOF	Soffit 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 this 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 "UTS".

The Company shall not be liable for any inaccuracy of the data provided beyond the specified scale or accuracy, or for any matters 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 damages 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 imprecision or error in a survey, it shall use its reasonable endeavors 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 RD4000/RD8000 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 lift 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 BT services marked on site are 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 9173993 : dbyd@openreach.co.uk

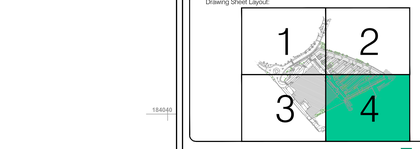
Murphy Surveys UK ltd promote safe excavations and prompt all contractors to perform further exploration works in line with PAS128 Quality Level A (Verification).

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

Revisions

Rev	Description	Surveyed by	Drawn by	Checked by
A	First Issue	DMCN - 15/06/20	BK - 16/16/20	DR - 17/16/20

Drawing Sheet Layout:



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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-04**

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Appendix E **Thames Water Assets & Correspondence**