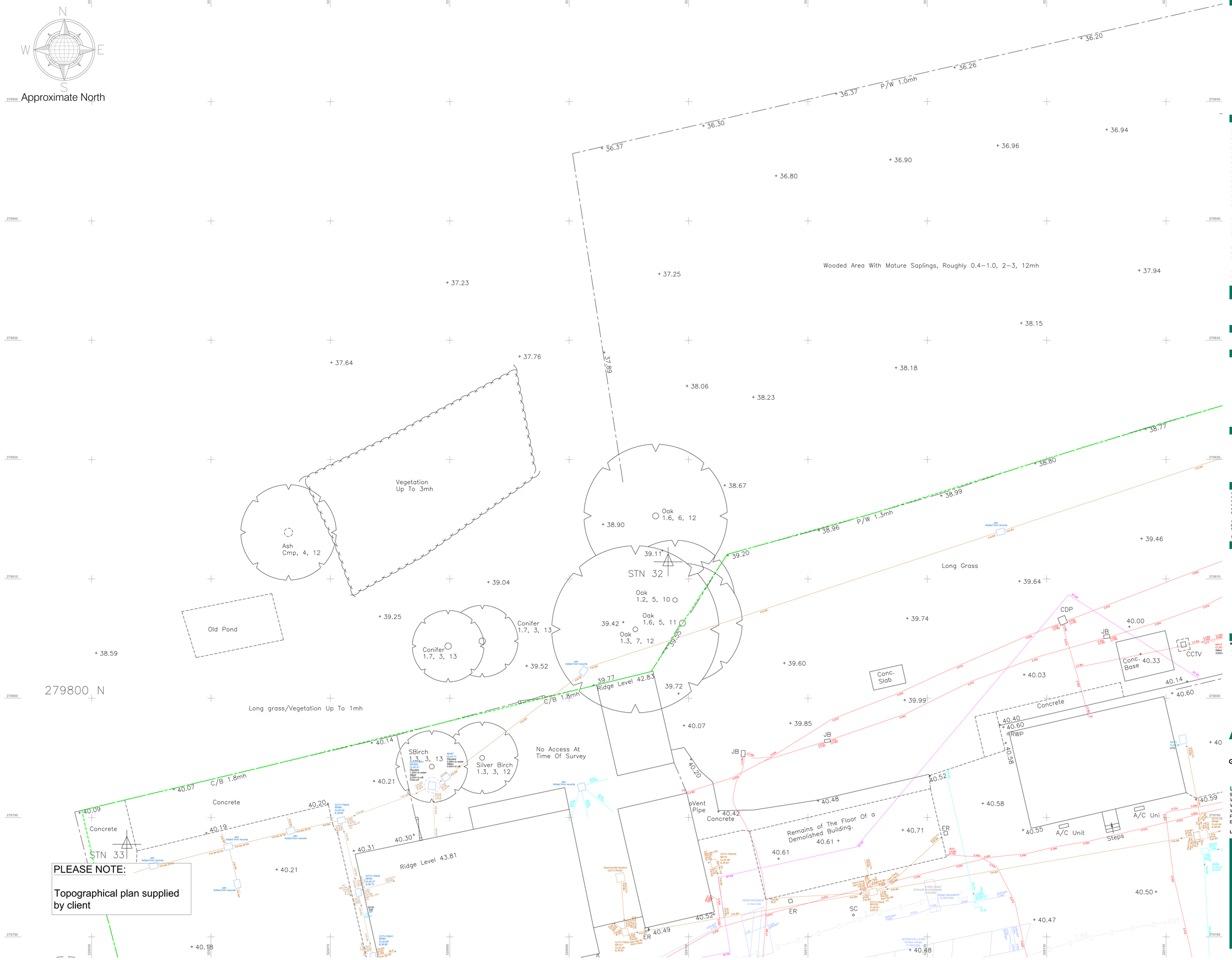
conisbee

APPENDIX A – TOPOGRAPHIC, UTILITIES & CCTV SURVEY



LEGEND

Utility Survey Point Features

AV	Air Valve		Gully Round	MH	MH - Round
BB	Belisha Beacon	IC	IC	MH1	MH - Surface Water
CP	CCTV Camera Pole	ICC	IC - Comms	MK	Marker Post
CR	Cable Riser	ICE	IC - Electric	12.24	Pipe Riser
DP	Down Pipe	ICR	IC - Round	RL	Recessed Light
DPG	Down Pipe To Ground	ICT	IC - Telecom	RE	Rodding Eye
EP	Electrical Pole	ICTC	IC - TCSU/TFL	SC	Stop Cock
ER	Earth Rod	ICTV	IC - CATV	TL	Traffic Light
	Fire Hydrant	LP	Lamp Post	TP	Telegraph Pole
GM	Gas Meter	MH	MH	V	Valve General
GV	Gas Valve	MH1	MH - District Heat	WM	Water Meter
G	Gully	MH	MH - Foul	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
- RM — Rising Main

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

Electrical
- E — Electrical Service
- EE — Electrical Earth
- P — Electrical Pilot Cable

Electrical
- EHV — Electrical - Extra High Voltage
- HV — Electrical - High Voltage
- LV — Electrical - Low Voltage
- 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
- GPR buried structure
- GPR Reinforced Slab
- GPR interface layer (change in material)

Other
- DH — District Heat
- FU — Fuel Pipe
- XX — Decommissioned/Abandoned Manhole Chamber
- Manhole ID
- PE — Pot End
- Scope of Works

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

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	CSER	Confined Space Entry Required
AR	Assumed Route	MH	Manhole
BI	Illuminated Bollard	NVO	Not Visible Outlet
BLD	Blocked	OE	Overhead Electric
CPD	Capped	OT	Overhead Telecom
CL	Cover Level	SOF	Soffit Level
CPD	Capped	TFR	Taken From Records
CUT	Disconnected Utility	TVM	Ticket Vending Machine
EOCCTV	End of CCTV Survey	UTO	Unable to Open
EOG	End of GPR Signal	UTS	Unable to Survey
EOT	End of Trace	UTT	Unable to Trace
EOS	End of Survey	UKN	Unknown
IC	Inspection Cover	WL	Water Level
IL	Invert Level	XXd	Service Depth

Utility Material Abbreviations

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

Level Measured For Ducts/Pipes At Pits Is To Top of The Service — 0.80d

Level Measured For Drainage At Pits Is To Invert Level Of The Service — 0.80d

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All reasonable endeavours have been used to capture the required data in the survey to the agreed standards of accuracy. Where features have been obstructed due to a lack of access, the areas will be annotated as '**UTS**' (Unable To Survey). The Company shall not be liable for any damages or consequential losses arising from the reliance on survey information beyond its specified scale and accuracy, or survey information used for purposes other than that stated in the Contract of Works.

Any concerns with the survey should be raised with Murphy Geospatial, who will endeavour to promptly provide a remedy. The Client shall not seek recourse through any third party until such time as Murphy Geospatial have had the opportunity to redress any concerns raised.

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Location Plan



Revisions

Rev	Description	Surveyed by	Drawn by	Checked by
A	First Issue	JA - 10/12/24	CN - 20/12/24	PG - 20/12/24
B	CCTV data added	ES - 22/01/25	CN - 03/02/25	PG - 03/02/25

Murphy GEOSPATIAL

Geospatial certainty you can trust murphygs.com

UK Head Office
9 Millfield Croxley Park
Woodshots Meadow
Watford
WD18 8YX
Phone: (+44) 0192 362 4800
Email: info@murphygs.com

London Manchester Birmingham Glasgow Belfast Cork Kildare

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Client	Willmott Dixon Construction Limited
Project	Cambridge Police Monks Wood Training Facility
Site Address	Stocking Cl Sawtry Huntingdon PE28 2LR
Description	Underground Utility Survey(PAS128)
Survey Grid	Localised OSGB36(15) - Scale Factor 1.0
Survey Datum	GNSS - Ordnance Datum Newlyn (ODN)
RICS Band	Band E
Drawing Scale	1:100 @A0
Drawing Number	MGS59776-U-RevB-01

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