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

Utility Survey Linework Features		
BT	Communications	Electrical Service
CATV	Cable TV	Electrical Earth
CCTV	Closed Circuit TV	Electrical - Low Volt
COMMS	Communications	Electrical - High Volt
FOL	Fibre Optic Line	EHV
FOLC	Fibre Optic Line - Coft	Electrical - Extra High Volt
FOLE	Fibre Optic Line - Energis	TFL
FOLF	Fibre Optic Line - Fibernet	Street Lighting
FOLL	Fibre Optic Line - Level 3	TCSU
FOLM	Fibre Optic Line - Mercury	Traffic Control System Unit
FOLMF	Fibre Optic Line - MFSC	Gas Service
FOLN	Fibre Optic Line - Verizon	GLP
FOLV	Fibre Optic Line - Virgin	Gas Low Pressure
FOLW	Fibre Optic Line - Vodafone	GIP
FOLX	Fibre Optic Line - WCOM	Gas Intermediate Pressure
TS	Telecom Service	GMP
		Gas Medium Pressure
		GHP
		Gas High Pressure
		GPR - Unknown
		ED
		Empty Duct
		GPR
		GPR Anomaly
		UA
		Unknown Asset
		UAPS
		UA Passive Sweep
		ULCL
		Unknown Cable
		GPR Site
		GPR Survey Area
		Circle
		Manhole Chamber
		Manhole ID
		Pot End
		XX (AS)
		Assumed Service
		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	
DATUM	Datum Point
12.24	Photo Point
12.24	Panoramic Photo Point
E-XXXXXXX	Survey Station
N-YYYY.YYYY	Survey Station
H-ZZZ.ZZZ	Scan Target
E-XXXXXXX	Scan Target
N-YYYY.YYYY	Scan Target
H-ZZZ.ZZZ	Scan Target

Utility Survey Abbreviations	
AB	Abandoned
BLD	Blocked
CL	Cover Level
CUT	Disconnect Utility
EOG	End of GPR Signal
EOT	End of Trace
FOS	Full of Soil
FLD	Flooded
IL	Invert Level
NT	No Trace
OE	Overhead Electric
OT	Overhead Telecom
P	Pilot
SOF	Soft Level
TFR	Taken From Records
UTO	Unable to Open
UTS	Unable to Survey
UNK/Unknown	Unknown
WL	Water Level
XXd	Service Depth - Grid to Top of Service

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

Murphy Geospatial Disclaimer

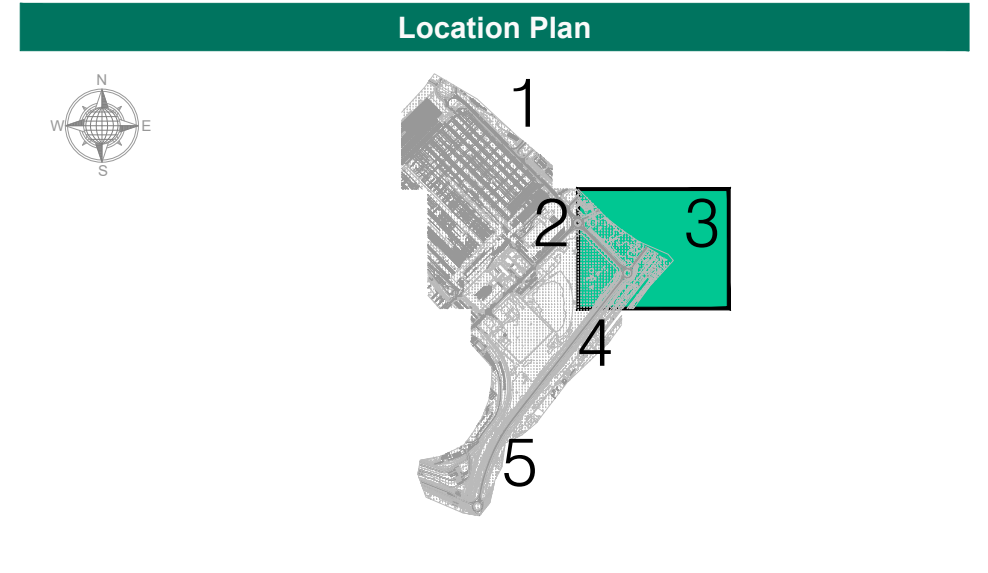
All reasonable endeavours have been used to capture the required data in the survey to the agreed standards of accuracy. Where limitations have been identified due to a lack of access, the areas will be annotated as 'UTS' (Unable To Survey). The Company shall not be liable for any damages or consequential 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 remedies through any third party until such time as Murphy Geospatial have had the opportunity to address any concerns raised.

Background Topographical Survey provided by client for indicative use only.

Quality Level-D Utility Linework all taken from STATS record documents, as highlighted in 'MGS49340 Utility Desktop Search Report 07'.

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Revisions				
Rev	Description	Surveyed by	Drawn by	Checked by
A	Final Issue	DM - 26/10/22	MGSBTR - 01/11/22	MM - 01/11/22



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Client	Wood Group
Project	Green Lithium Refinery
Site Address	Kinkerdale Road Middlesbrough TS6 6UD
Description	Underground Utility Survey(PAS128)
Survey Grid	OSGB36(15) - Scale Factor 1.0
Survey Datum	GNSS - Ordnance Datum Newlyn (ODN)
RICS Band	Band F
Drawing Scale	1:200 @ A0
Drawing Number	MGS49340-U-A11-03