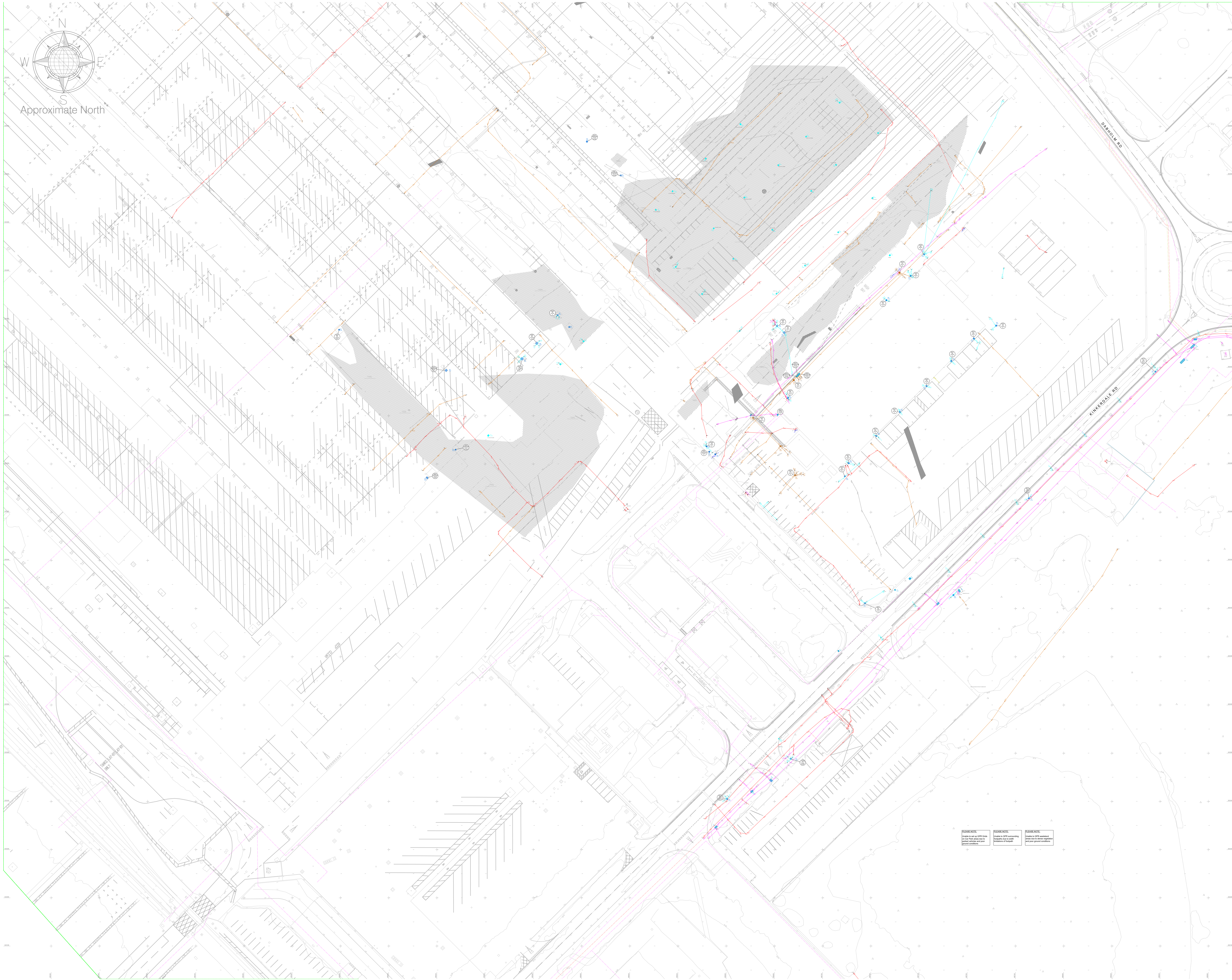




LEGEND
Utility Survey Point Features

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

Utility Survey Linework Features

BT	Communications	E	Electrical
CATV	Cable TV	EE	Electrical Earth
CCTV	Closed Circuit TV	LV	Electrical - Low Volt
COMMS	Communications	HV	Electrical - High Volt
FOL	Fibre Optic Line	EHV	Electrical - Extra High Volt
FOLC	Fibre Optic Line - Colt	TFL	Electrical - TFL
FOLC	Fibre Optic Line - Enegis	SL	Street Lighting
FOLF	Fibre Optic Line - Fibernet	TCSU	Traffic Control System Unit
FOLM	Fibre Optic Line - Mercury	G	Gas Service
FOLMF	Fibre Optic Line - MFSC	GLP	Gas Low Pressure
FOLN	Fibre Optic Line - Verizon	GP	Gas Intermediate Pressure
FOLV	Fibre Optic Line - Virgin	GMP	Gas Medium Pressure
FOLVF	Fibre Optic Line - Vodafone	GHP	Gas High Pressure
FOLW	Fibre Optic Line - WCOM	GPR	GPR - Unknown
TS	Telecom Service	ED	Empty Duct
CW	Combined Water	GPR	GPR Anomaly
FW	Foul Water	UA	Unknown Asset
SW	Surface Water	UAPS	UA Passive Sweep
FRW	Fire Water	UCL	Unknown Cable
RM	Rising Main	GPR	GPR Site
WM	Water Main		GPR Survey Area
WS	Water Service		

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

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

Special Survey Features

DATUM	Datum Point	E=XXXXXXX	Survey Station
12.2	Photo Point	N=YYYYYYY	Scan Target
	Panoramic Photo Point	E=XXXXXXX	
		N=YYYYYYY	

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	Disconnected Utility	OE	Overhead Electric	UNO	Unknown
EOG	End of GPR Signal	OT	Overhead Telecom	WL	Water Level
EOT	End of Trace	P	Pilot	XXG	Service Depth - Grd
FOS	Ful of Silt	SOF	Soft Level		to Top of Service

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 Geospatial Disclaimer

All reasonable endeavours have been used to capture the required data in the survey to the agreed standards of accuracy. Where features 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 scope 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.

Background Topographical Survey provided by client for indicative use only.

Quality Level-D Utility Line-work all taken from STATS record documents, as highlighted in 'MGS49340-U-All-02' Utility Desktop Search Report 07.

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Location Plan

Revisions

Rev	Description	Surveyed by	Drawn by	Checked by
A	First Issue	DM - 28/10/22	NWB/SH - 30/11/22	MM - 01/12/22

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-All-02

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