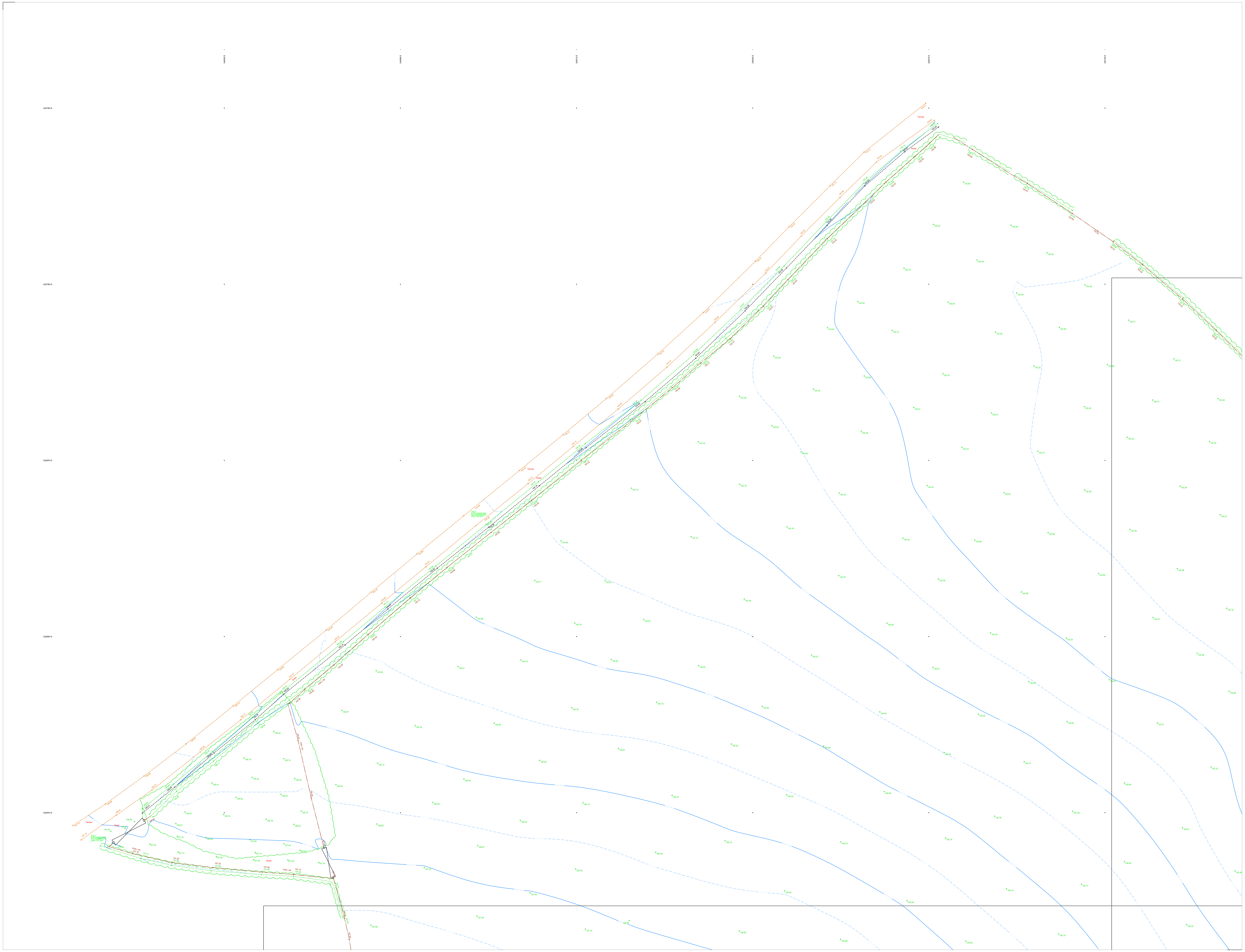

Notes:

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Survey carried out to client specification and in accordance with RICS publication:
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Utility Services Location Note:

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Positional accuracy will vary with depth and pipe / duct material; an accuracy of +/- 150 mm is achievable in normal circumstances but this will be reduced for plastic pipes.

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Excavations in the area should be carried out with care and in accordance with HSG 47. No absolute guarantee of accuracy should be inferred from these plans.

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Standard Abbreviations

ACO	LINEAR DRAINAGE CHANNEL	GIS	GAS INLET POINT	RWP	RAN WATER PIPE
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BB	BELISH BEACON	Grl	GRILLE COVER	Shlt	SHELTER
BdL	BED LEVEL	GV	GAS VALVE COVER	Si	SPUN IRON
BH	BOREHOLE	Hrl	HAND RAIL	SL	SOFFIT LEVEL
Bol	BOLLARD	IC	INSPECTION COVER	Slt	SILT LEVEL
BP	BOUNDARY POST	IL	INVERT LEVEL	SMP	SETTLEMENT MONITORING Pnt
B Pvg	BLOCK PAVING	I/R	IRON RAILING FENCE	SP	SIGN POST
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BS	BUS STOP	Lby	LIFEBUOY	SS	STRUCTURE POINT
BT	BRITISH TELECOM COVER	Lck	LOCK GATE	ST	STAND PIPE / SUPPLY TAP
BW	BRICK WALL	Ldr	LADDER	Sti	STILE
BWF	BARBED WIRE FENCE	LOR	LOSS OF REFLECTION (gpr)	STL	STRUCTURE TOP LEVEL
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Conc Pvg	CONCRETE PAVING	OGC	OVERGROUND CONDUIT	ThL	THRESHOLD LEVEL
CP	CATCHPIT	OHca	OVERHEAD CABLE Unidentified	TL	TRAFFIC SIGNAL POST
CpL	COPING LEVEL	OHC	OVERHEAD CONDUIT	TM	TICKET MACHINE
Cpsn	CAPSTAN	OHE	OVERHEAD ELECTRIC	ToV	TOP OF VALVE LEVEL
CR	CRANE / HOIST	OHG	OVERHEAD GANTRY	TP	TELEGRAPH POLE
Cul	CULVERT	OHStruct	OVERHEAD STRUCTURE	Tpt	TRIAL PIT
CW	CONCRETE WALL	OHT	OVERHEAD TELECOMS	Tr	TROUGH
Di	DUCTILE IRON	P	POST	UTA	UNABLE TO ACCESS
(dilap)	DILAPIDATED	PB	POST BOX	UTL	UNABLE TO LOCATE
(dis)	DISUSED	PC	SECURITY CAMERA	UTR	UNABLE TO RAISE
DPC	DAMP PROOF COURSE	Pcg	PEDESTRIAN CROSSING	UTS	UNABLE TO SURVEY
DS	DIRECTION SIGN	PD	PIT DEPTH	UTT	UNABLE TO TRACE (utilities)
DSW	DRYSTONE WALL	P/F	PANEL FENCE	VC	VITRIFIED CLAY
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BT(r)	TAKEN FROM RECORDS	HW(r)	TAKEN FROM RECORDS
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CTV(r)	TAKEN FROM RECORDS	O/F(r)	TAKEN FROM RECORDS
CTV	CCTV CABLE	OIL	OIL PIPELINE
CTV(r)	TAKEN FROM RECORDS	OIL(r)	TAKEN FROM RECORDS
CW	COMBINED WATER	PWR	POWER FEATURE
CW(r)	TAKEN FROM RECORDS	SW	SURFACE WATER
DUC	EMPTY DUCT	SW(r)	TAKEN FROM RECORDS
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EA	EARTHING FEATURE	T(r)	TAKEN FROM RECORDS
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GAS	GAS	W	WATER
GAS(r)	TAKEN FROM RECORDS	W(r)	TAKEN FROM RECORDS
GPR	GPR FEATURE	HV	HV ELECTRIC
GPR(r)	TAKEN FROM RECORDS	HV(r)	TAKEN FROM RECORDS
Helium	HELIUM FEATURE	REF:GPR02	REFERENCE TO GPR DATA IN REPORT
Helium(r)	TAKEN FROM RECORDS		

PAS 128 Quality Levels:

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SITE RECONNAISSANCE: QL-C	---
DESKTOP: QL-D	---

NOTES: HORIZONTAL/VERTICAL VARIABLES BASED ON DETECTED LOCATION OF UTILITY
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Sheet Layouts

N

Grid: Local Grid by GPS Observations to the OS Active Network (OSTN15)

Datum: Ordnance Datum by GPS Observations to the OS Active Network (OSGM15)

Revision:	Amendments:	Date:	Name:
-	-	-	-
-	-	-	-
-	-	-	-
A	ORIGINAL ISSUE	Jun 22	SM

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Red Deer House, Dunston Business Village, Stafford Road, Dunston, Staffordshire, ST18 9AB

CLIENT:
David Kemmett
Project Manager
Noriker Power LTD

PROJECT:
Scot's Stability
Kilmarnock South

TITLE:
Topographic Survey

Drawn: SM	Checked: JS
Date: June 2022	Scale: 1:200 @ A0
Drg No: UAR3329_A	Sheet: 1 of 9

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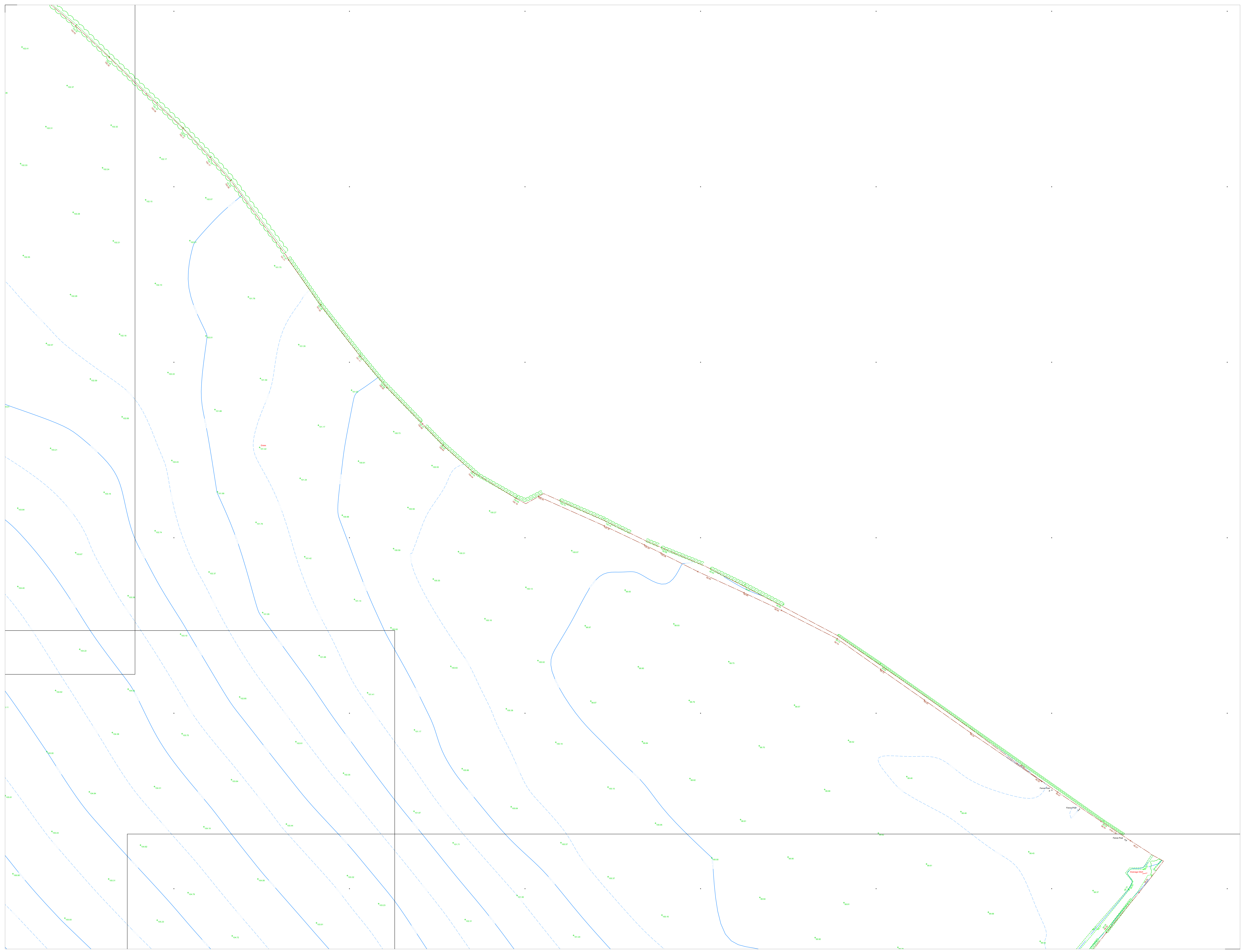

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	SURVEY EXTENTS	D=1.00m 1.00d	DEPTH INFORMATION
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CTV	CATV CABLE	O/F	OPTIC FIBRE
CTV(r)	TAKEN FROM RECORDS	O/F(r)	TAKEN FROM RECORDS
CTV	CCTV CABLE	OIL	OIL PIPELINE
CTV(r)	TAKEN FROM RECORDS	OIL(r)	TAKEN FROM RECORDS
CW	COMBINED WATER	PWR	POWER FEATURE
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DUC	EMPTY DUCT	SW(r)	TAKEN FROM RECORDS
DUC(r)	TAKEN FROM RECORDS	T	TELECOMMUNICATION CABLE
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GAS	GAS	W	WATER
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GPR	GPR FEATURE	HV	HV ELECTRIC
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SITE RECONNAISSANCE: QL-C	---
DESKTOP: QL-D	---

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Sheet Layouts

N

Grid:
Local Grid by GPS Observations to the OS Active Network (OSTN15)

Datum:
Ordnance Datum by GPS Observations to the OS Active Network (OSGM15)

Revision:	Amendments:	Date:	Name:
-	-	-	-
-	-	-	-
-	-	-	-
A	ORIGINAL ISSUE	Jun 22	SM

MAKING COMPLEX EASY

THE SURVEY ASSOCIATION AFFILIATE MEMBER

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Red Deer House, Dunston Business Village, Stafford Road, Dunston, Staffordshire, ST18 9AB

CLIENT:
David Kemmett
Project Manager
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PROJECT:
Scot's Stability
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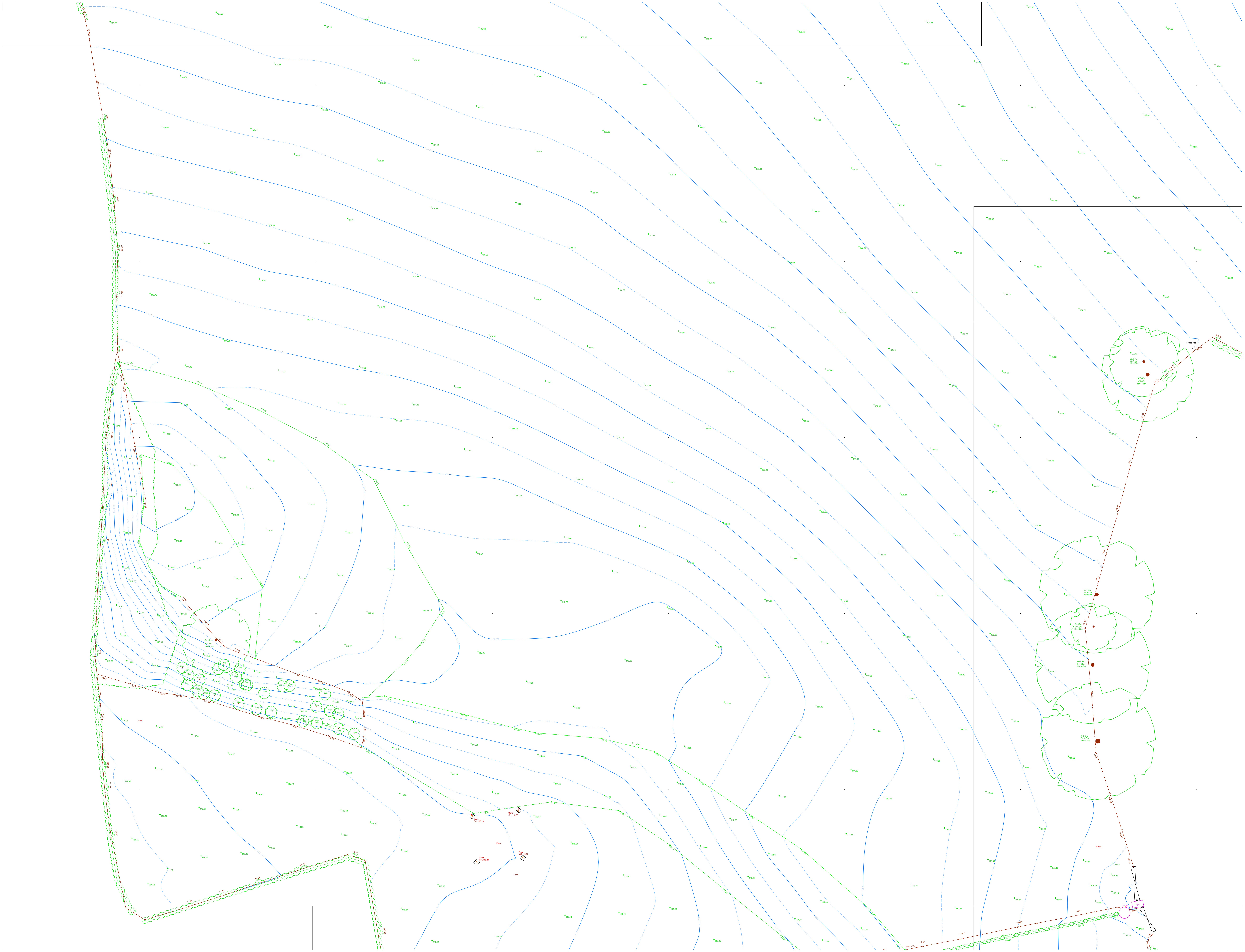
TITLE:
Topographic Survey

Drawn: SM	Checked: JS
Date: June 2022	Scale: 1:200 @ A0
Drg No: UAR3329_A	Sheet: 2 of 9

MAKING COMPLEX EASY



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A/R	ASSUMED ROUTE	GPR	GROUND PROBING RADAR	SB	SIGN BOARD
BB	BELISH BEACON	Grl	GRILLE COVER	Shlt	SHELTER
BdL	BED LEVEL	GV	GAS VALVE COVER	Si	SPUN IRON
BH	BOREHOLE	Hrl	HAND RAIL	SL	SOFFIT LEVEL
Bol	BOLLARD	IC	INSPECTION COVER	Slt	SILT LEVEL
BP	BOUNDARY POST	IL	INVERT LEVEL	SMP	SETTLEMENT MONITORING Pnt
B Pvg	BLOCK PAVING	I/R	IRON RAILING FENCE	SP	SIGN POST
BRck	BICYCLE RACK	KO	KERB OUTLET	SPt	SAMPLING POINT
BS	BUS STOP	Lby	LIFEBUOY	SS	STRUCTURE POINT
BT	BRITISH TELECOM COVER	Lck	LOCK GATE	ST	STAND PIPE / SUPPLY TAP
BW	BRICK WALL	Ldr	LADDER	Sti	STILE
BWF	BARBED WIRE FENCE	LOR	LOSS OF REFLECTION (gpr)	STL	STRUCTURE TOP LEVEL
CAP	CABLE WINDING MACHINE	LOS	LOSS OF SIGNAL (eml)	Stone Pvg	STONE PAVING SLABS
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C/B	CLOSE BOARDED FENCE	MgP	MOORING POST	StW	STAYWIRE
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CP	CATCHPIT	OHca	OVERHEAD CABLE Unidentified	TL	TRAFFIC SIGNAL POST
CpL	COPING LEVEL	OHC	OVERHEAD CONDUIT	TM	TICKET MACHINE
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Di	DUCTILE IRON	P	POST	UTA	UNABLE TO ACCESS
(dilap)	DILAPIDATED	PB	POST BOX	UTL	UNABLE TO LOCATE
(dis)	DISUSED	PC	SECURITY CAMERA	UTR	UNABLE TO RAISE
DPC	DAMP PROOF COURSE	Pcg	PEDESTRIAN CROSSING	UTS	UNABLE TO SURVEY
DS	DIRECTION SIGN	PD	PIT DEPTH	UTT	UNABLE TO TRACE (utilities)
DSW	DRYSTONE WALL	P/F	PANEL FENCE	VC	VITRIFIED CLAY
EIC	ELECTRICITY COVER	PP	PETROL PUMP	VDP	VEHICLE DETECTION PAD
EL	EAVES LEVEL	P/R	POST & RAIL FENCE	VP	VENT PIPE
EOT	END OF TRACE (utility)	Psk	PENSTOCK	VW	VALVE WHEEL
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	SURVEY EXTENTS	D=1.00m 1.00d	DEPTH INFORMATION
BT	BRITISH TELECOM	HW	HOT WATER
BT(r)	TAKEN FROM RECORDS	HW(r)	TAKEN FROM RECORDS
CTV	CATV CABLE	O/F	OPTIC FIBRE
CTV(r)	TAKEN FROM RECORDS	O/F(r)	TAKEN FROM RECORDS
CTV	CCTV CABLE	OIL	OIL PIPELINE
CTV(r)	TAKEN FROM RECORDS	OIL(r)	TAKEN FROM RECORDS
CW	COMBINED WATER	PWR	POWER FEATURE
CW(r)	TAKEN FROM RECORDS	SW	SURFACE WATER
DUC	EMPTY DUCT	SW(r)	TAKEN FROM RECORDS
DUC(r)	TAKEN FROM RECORDS	T	TELECOMMUNICATION CABLE
EA	EARTHING FEATURE	T(r)	TAKEN FROM RECORDS
EA(r)	TAKEN FROM RECORDS	TLM	TELEMETRY CABLE
E	ELECTRIC CABLE	TRA	TRAFFIC SIGNALS
E(r)	TAKEN FROM RECORDS	TRA(r)	TAKEN FROM RECORDS
FL	FUEL LINE	UK	UNKNOWN SERVICE
FL(r)	TAKEN FROM RECORDS	UK(r)	TAKEN FROM RECORDS
FW	FOUL WATER	VNT	VENT
FW(r)	TAKEN FROM RECORDS	VNT(r)	TAKEN FROM RECORDS
GAS	GAS	W	WATER
GAS(r)	TAKEN FROM RECORDS	W(r)	TAKEN FROM RECORDS
GPR	GPR FEATURE	HV	HV ELECTRIC
GPR(r)	TAKEN FROM RECORDS	HV(r)	TAKEN FROM RECORDS
Helium	HELIUM FEATURE	REF:GPR02	REFERENCE TO GPR DATA IN REPORT
Helium(r)	TAKEN FROM RECORDS		

PAS 128 Quality Levels:

SURVEY TYPE, QUALITY LEVELS AND ACCURACY	SUPPORTING DATA
VERIFICATION: QL-A: HORIZONTAL ± 50MM VERTICAL ± 25MM	HORIZONTAL & VERTICAL LOCATION OF THE TOP AND/OR BOTTOM OF THE ITEM.
DETECTION: QL-B4	A UTILITY WHICH IS SUSPECTED TO EXIST BUT HAS NOT BEEN DETECTED AND IS SHOWN AS AN ASSUMED ROUTE.
QL-B3/p: HORIZONTAL ±500MM	HORIZONTAL LOCATION ONLY OF THE UTILITY DETECTED BY ONE TECHNIQUE.
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QL-B1/p: HORIZONTAL ±150MM/±15% VERTICAL ±15%	HORIZONTAL AND VERTICAL LOCATION OF UTILITY DETECTED BY MULTIPLE TECHNIQUES.
SITE RECONNAISSANCE: QL-C	---
DESKTOP: QL-D	---

NOTES: HORIZONTAL/VERTICAL VARIABLES BASED ON DETECTED LOCATION OF UTILITY
P = POST PROCESSING
REFER TO FULL PAS128 DOCUMENT FOR FURTHER INFORMATION

Sheet Layouts

N

Grid:
Local Grid by GPS Observations to the OS Active Network (OSTN15)

Datum:
Ordnance Datum by GPS Observations to the OS Active Network (OSGM15)

Revision:	Amendments:	Date:	Name:
-	-	-	-
-	-	-	-
-	-	-	-
A	ORIGINAL ISSUE	Jun 22	SM

MAKING COMPLEX EASY
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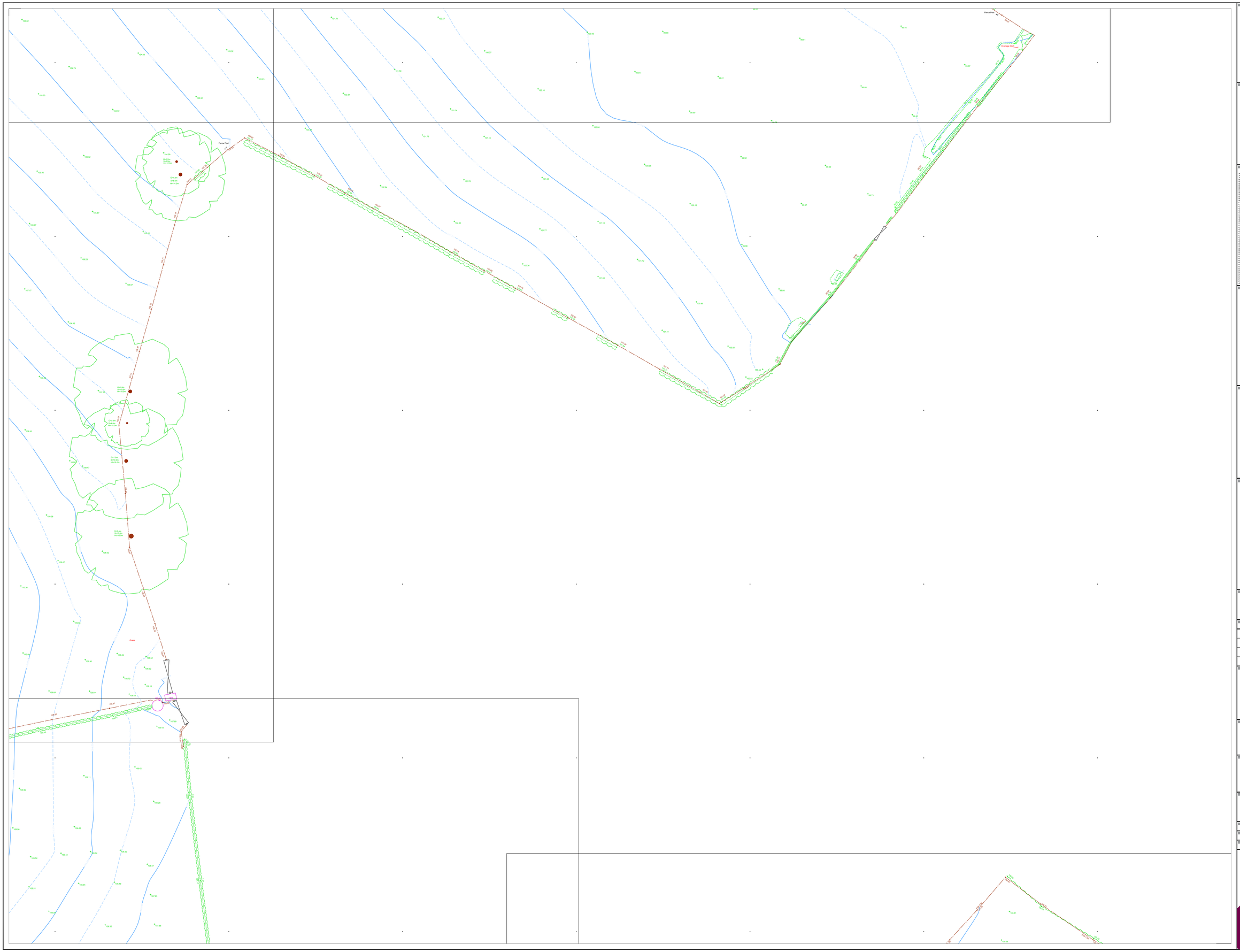
CLIENT:
David Kemmett
Project Manager
Noriker Power LTD

PROJECT:
Scot's Stability
Kilmarnock South

TITLE:
Topographic Survey

Drawn:	SM	Checked:	JS
Date:	June 2022	Scale:	1:200 @ A0
Drg No:	UAR3329_A	Sheet:	3 of 9

MAKING COMPLEX EASY



Notes:

The Contractor is to check and verify all building and site dimensions, levels and sewer invert levels at connection points before work starts. The Contractor is to comply in all respects with current Building Legislation, British Standard Specifications, Building Regulations, Construction (Design & Management) Regulations, Party Wall Act, etc. whether or not specifically stated on this drawing. This drawing must be read with and checked against any structural, geotechnical or other specialist documentation provided.

This drawing is not intended to show details of foundations, ground conditions or ground contaminants. Each area of ground relied upon to support any structure depicted (including drainage) must be investigated by the Contractor. A suitable method of foundation should be provided allowing for existing ground conditions. Any suspect or fluid ground, contaminates on or within the ground, should be further investigated by a suitable expert. Any earthwork constructions shown indicate typical slopes for guidance only & should be further investigated by a suitable expert.

Where existing trees are to be retained they should be subject to a full Arboricultural inspection for safety. All trees are to be planted so as to ensure they are a minimum of 5 metres from buildings and 3 metres from drainage and services. A suitable method of foundation is to be provided to accommodate the proposed tree planting. All tree types are provided as a guide only and a full Arboricultural survey to be conducted to determine the exact tree types should be completed.

Sketch proposals are for illustrative purposes only & as such are subject to detailed site investigation including ground conditions/contaminants, drainage, design & planning/density negotiations. Sketch proposals may be based upon enlargements of OS sheets & visual estimations of existing site features, accuracy will therefore need to be verified by survey. Sketch proposals have not been considered in respect of CDM Regulations.

Survey carried out to client specification and in accordance with RICS publication:
SURVEYS OF LAND , BUILDING & UTILITY SERVICES AT SCALES 1:500 & LARGER, 3rd EDITION.

Utility Services Location Note:

This survey has been carried out using a combination of observation and detection using electrolocation and ground probing radar equipment. Connections between reference points such as manholes are assumed to be straight unless bends are indicated. The accuracy is limited to the tolerances normally expected from the equipment used.

The following indications of completeness and accuracy are for guidance only:

In areas where there is a large concentration of services, the completeness will be between 80% and 90%. This will be reduced where there are obstructions at ground level.

Positional accuracy will vary with depth and pipe / duct material; an accuracy of +/- 150 mm is achievable in normal circumstances but this will be reduced for plastic pipes.

Existing information from historical plans is likely to be unreliable and is shown for guidance only.

Excavations in the area should be carried out with care and in accordance with HSG 47. No absolute guarantee of accuracy should be inferred from these plans.

The following text is an extract from Surveys of Land, Buildings and Utility Surveys at scales of 1:500 and Larger, 3rd Edition

"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 +/- 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"*

Standard Abbreviations

ACO	LINEAR DRAINAGE CHANNEL	GIS	GAS INLET POINT	RWP	RAN WATER PIPE
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BdL	BED LEVEL	GV	GAS VALVE COVER	Si	SPUN IRON
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BRck	BICYCLE RACK	KO	KERB OUTLET	SPt	SAMPLING POINT
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BT	BRITISH TELECOM COVER	Lck	LOCK GATE	ST	STAND PIPE / SUPPLY TAP
BW	BRICK WALL	Ldr	LADDER	Sti	STILE
BWF	BARBED WIRE FENCE	LOR	LOSS OF REFLECTION (gpr)	STL	STRUCTURE TOP LEVEL
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Cpsn	CAPSTAN	OHE	OVERHEAD ELECTRIC	ToV	TOP OF VALVE LEVEL
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Cul	CULVERT	OHStruct	OVERHEAD STRUCTURE	Tpt	TRIAL PIT
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Di	DUCTILE IRON	P	POST	UTA	UNABLE TO ACCESS
(dilap)	DILAPIDATED	PB	POST BOX	UTL	UNABLE TO LOCATE
(dis)	DISUSED	PC	SECURITY CAMERA	UTR	UNABLE TO RAISE
DPC	DAMP PROOF COURSE	Pcg	PEDESTRIAN CROSSING	UTS	UNABLE TO SURVEY
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FS	FLAG STAFF	RSP	RAILWAY SIGNAL POST		
G	GULLY	RW	RETAINING WALL		

▬	SURVEY EXTENTS	D=1.00m 1.00d	DEPTH INFORMATION
BT	BRITISH TELECOM	HW	HOT WATER
BT(r)	TAKEN FROM RECORDS	HW(r)	TAKEN FROM RECORDS
CTV	CATV CABLE	O/F	OPTIC FIBRE
CTV(r)	TAKEN FROM RECORDS	O/F(r)	TAKEN FROM RECORDS
CTV	CCTV CABLE	OIL	OIL PIPELINE
CTV(r)	TAKEN FROM RECORDS	OIL(r)	TAKEN FROM RECORDS
CW	COMBINED WATER	PWR	POWER FEATURE
CW(r)	TAKEN FROM RECORDS	SW	SURFACE WATER
DUC	EMPTY DUCT	SW(r)	TAKEN FROM RECORDS
DUC(r)	TAKEN FROM RECORDS	T	TELECOMMUNICATION CABLE
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E(r)	TAKEN FROM RECORDS	TRA(r)	TAKEN FROM RECORDS
FL	FUEL LINE	UK	UNKNOWN SERVICE
FL(r)	TAKEN FROM RECORDS	UK(r)	TAKEN FROM RECORDS
FW	FOUL WATER	VNT	VENT
FW(r)	TAKEN FROM RECORDS	VNT(r)	TAKEN FROM RECORDS
GAS	GAS	W	WATER
GAS(r)	TAKEN FROM RECORDS	W(r)	TAKEN FROM RECORDS
GPR	GPR FEATURE	HV	HV ELECTRIC
GPR(r)	TAKEN FROM RECORDS	HV(r)	TAKEN FROM RECORDS
Helium	HELIUM FEATURE	REF:GPR02	REFERENCE TO GPR DATA IN REPORT
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SITE RECONNAISSANCE: QL-C	---
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N

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Local Grid
by GPS Observations
to the OS Active
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Datum:
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Revision:	Amendments:	Date:	Name:
-	-	-	-
-	-	-	-
-	-	-	-
A	ORIGINAL ISSUE	Jun 22	SM

MAKING COMPLEX EASY
THE SURVEY ASSOCIATION
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Red Deer House, Dunston Business Village, Stafford Road, Dunston, Staffordshire, ST18 9AB

CLIENT:
David Kemmett
Project Manager
Noriker Power LTD

PROJECT:
Scot's Stability
Kilmarnock South

TITLE:
Topographic Survey

Drawn: SM
Checked: JS
Date: June 2022
Scale: 1:200 @ A0
Drg No: UAR3329_A
Sheet: 4 of 9

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Notes:

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(dilap)	DILAPIDATED	PB	POST BOX	UTL	UNABLE TO LOCATE
(dis)	DISUSED	PC	SECURITY CAMERA	UTR	UNABLE TO RAISE
DPC	DAMP PROOF COURSE	Pcg	PEDESTRIAN CROSSING	UTS	UNABLE TO SURVEY
DS	DIRECTION SIGN	PD	PIT DEPTH	UTT	UNABLE TO TRACE (utilities)
DSW	DRYSTONE WALL	P/F	PANEL FENCE	VC	VITRIFIED CLAY
EIC	ELECTRICITY COVER	PP	PETROL PUMP	VDP	VEHICLE DETECTION PAD
EL	EAVES LEVEL	P/R	POST & RAIL FENCE	VP	VENT PIPE
EOT	END OF TRACE (utility)	Psk	PENSTOCK	VW	VALVE WHEEL
EP	ELECTRICITY POLE	PV	VERTICAL PIPE	WB	WEIGH BRIDGE
ER	EARTH ROD	Pyl	PYLON	WG	WATER GAUGE
ESP	ELECTRICITY SUPPLY POINT	PZ	PIEZOMETER	WL	WATER LEVEL
ESW	ELECTRICITY SWITCH BOX	RE	RODDING EYE	WM	WATER METER
FB	FOOTBRIDGE	RG	RAIN GAUGE	W/M	WIRE MESH FENCE
FL	FLOOR LEVEL	RL	RIDGE LEVEL	WO	WASHOUT COVER
FFL	FINISHED FLOOR LEVEL	RMP	RESRVOIR MONITORING Pnt	WS	WIND SOCK POLE
Flgt	FLOOR LIGHT	RP	REFLECTOR POST	WSR	WATER LEVEL SENSOR
FH	FIRE HYDRANT	RS	ROAD SIGN		
FS	FLAG STAFF	RSP	RAILWAY SIGNAL POST		
G	GULLY	RW	RETAINING WALL		

▬	SURVEY EXTENTS	D=1.00m 1.00d	DEPTH INFORMATION
BT	BRITISH TELECOM	HW	HOT WATER
BT(r)	TAKEN FROM RECORDS	HW(r)	TAKEN FROM RECORDS
CTV	CATV CABLE	O/F	OPTIC FIBRE
CTV(r)	TAKEN FROM RECORDS	O/F(r)	TAKEN FROM RECORDS
CTV	CCTV CABLE	OIL	OIL PIPELINE
CTV(r)	TAKEN FROM RECORDS	OIL(r)	TAKEN FROM RECORDS
CW	COMBINED WATER	PWR	POWER FEATURE
CW(r)	TAKEN FROM RECORDS	SW	SURFACE WATER
DUC	EMPTY DUCT	SW(r)	TAKEN FROM RECORDS
DUC(r)	TAKEN FROM RECORDS	T	TELECOMMUNICATION CABLE
EA	EARTHING FEATURE	T(r)	TAKEN FROM RECORDS
EA(r)	TAKEN FROM RECORDS	TLM	TELEMETRY CABLE
E	ELECTRIC CABLE	TRA	TRAFFIC SIGNALS
E(r)	TAKEN FROM RECORDS	TRA(r)	TAKEN FROM RECORDS
FL	FUEL LINE	UK	UNKNOWN SERVICE
FL(r)	TAKEN FROM RECORDS	UK(r)	TAKEN FROM RECORDS
FW	FOUL WATER	VNT	VENT
FW(r)	TAKEN FROM RECORDS	VNT(r)	TAKEN FROM RECORDS
GAS	GAS	W	WATER
GAS(r)	TAKEN FROM RECORDS	W(r)	TAKEN FROM RECORDS
GPR	GPR FEATURE	HV	HV ELECTRIC
GPR(r)	TAKEN FROM RECORDS	HV(r)	TAKEN FROM RECORDS
Helium	HELIUM FEATURE	← REF:GPR02	REFERENCE TO GPR DATA IN REPORT
Helium(r)	TAKEN FROM RECORDS		

PAS 128 Quality Levels:

SURVEY TYPE, QUALITY LEVELS AND ACCURACY	SUPPORTING DATA
VERIFICATION: QL-A: HORIZONTAL ± 50MM VERTICAL ± 25MM	HORIZONTAL & VERTICAL LOCATION OF THE TOP AND/OR BOTTOM OF THE ITEM.
DETECTION: QL-B4	A UTILITY WHICH IS SUSPECTED TO EXIST BUT HAS NOT BEEN DETECTED AND IS SHOWN AS AN ASSUMED ROUTE.
QL-B3/p: HORIZONTAL ±500MM	HORIZONTAL LOCATION ONLY OF THE UTILITY DETECTED BY ONE TECHNIQUE.
QL-B2/p: HORIZONTAL ±250MM/±40% VERTICAL ±40%	HORIZONTAL AND VERTICAL LOCATION OF UTILITY DETECTED BY ONE TECHNIQUE ONLY.
QL-B1/p: HORIZONTAL ±150MM/±15% VERTICAL ±15%	HORIZONTAL AND VERTICAL LOCATION OF UTILITY DETECTED BY MULTIPLE TECHNIQUES.
SITE RECONNAISSANCE: QL-C	---
DESKTOP: QL-D	---

NOTES: HORIZONTAL/VERTICAL VARIABLES BASED ON DETECTED LOCATION OF UTILITY
P = POST PROCESSING
REFER TO FULL PAS128 DOCUMENT FOR FURTHER INFORMATION

Sheet Layouts

Grid:
Local Grid
by GPS Observations
to the OS Active
Network (OSTN15)

Datum:
Ordnance Datum
by GPS Observations
to the OS Active
Network (OSGM15)

Revision:	Amendments:	Date:	Name:
-	-	-	-
-	-	-	-
-	-	-	-
A	ORIGINAL ISSUE	Jun 22	SM

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THE SURVEY ASSOCIATION
AFFILIATE MEMBER

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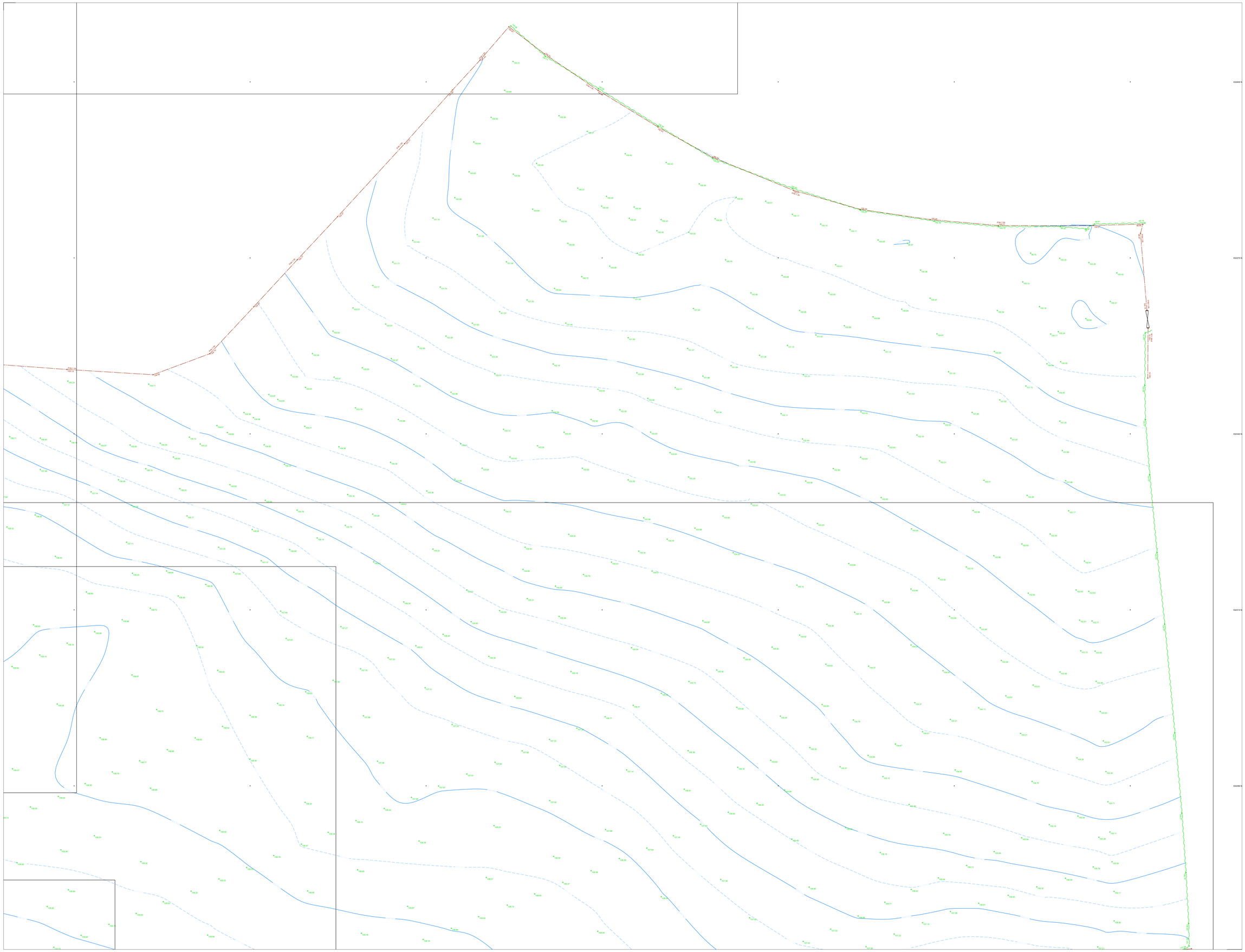
CLIENT:
David Kemmett
Project Manager
Noriker Power LTD

PROJECT:
Scot's Stability
Kilmarnock South

TITLE:
Topographic Survey

Drawn: SM
Checked: JS
Date: June 2022
Scale: 1:200 @ A0
Drg No: UAR3329_A
Sheet: 5 of 9

MAKING
COMPLEX
EASY



Notes:

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Where existing trees are to be retained they should be subject to a full Arboricultural inspection for safety. All trees are to be planted so as to ensure they are a minimum of 5 metres from buildings and 3 metres from drainage and services. A suitable method of foundation is to be provided to accommodate the proposed tree planting. All tree types are provided as a guide only and a full Arboricultural survey to be conducted to determine the exact tree types should be completed.

Sketch proposals are for illustrative purposes only & as such are subject to detailed site investigation including ground conditions/contaminants, drainage, design & planning/density negotiations. Sketch proposals may be based upon enlargements of OS sheets & visual estimations of existing site features, accuracy will therefore need to be verified by survey. Sketch proposals have not been considered in respect of CDM Regulations.

Survey carried out to client specification and in accordance with RICS publication:
SURVEYS OF LAND , BUILDING & UTILITY SERVICES AT SCALES 1:500 & LARGER, 3rd EDITION.

Utility Services Location Note:

This survey has been carried out using a combination of observation and detection using electrolocation and ground probing radar equipment. Connections between reference points such as manholes are assumed to be straight unless bends are indicated. The accuracy is limited to the tolerances normally expected from the equipment used.

The following indications of completeness and accuracy are for guidance only:

In areas where there is a large concentration of services, the completeness will be between 80% and 90%. This will be reduced where there are obstructions at ground level.

Positional accuracy will vary with depth and pipe / duct material; an accuracy of +/- 150 mm is achievable in normal circumstances but this will be reduced for plastic pipes.

Existing information from historical plans is likely to be unreliable and is shown for guidance only.

Excavations in the area should be carried out with care and in accordance with HSG 47. No absolute guarantee of accuracy should be inferred from these plans.

The following text is an extract from Surveys of Land, Buildings and Utility Surveys at scales of 1:500 and Larger, 3rd Edition

"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 +/- 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"*

Standard Abbreviations

ACO	LINEAR DRAINAGE CHANNEL
AV	AIR VALVE
A/R	ASSUMED ROUTE
BB	BELISH BEACON
BdL	BED LEVEL
BH	BOREHOLE
Bol	BOLLARD
BP	BOUNDARY POST
B Pvg	BLOCK PAVING
BRck	BICYCLE RACK
BS	BUS STOP
BT	BRITISH TELECOM COVER
BW	BRICK WALL
BWF	BARBED WIRE FENCE
CAP	CABLE WINDING MACHINE
Cat	CATENARY LEVEL
CATV	CABLE TV COVER
CB	CONTROL BOX
C/B	CLOSE BOARDED FENCE
CD	CHAMBER DEPTH
Cgd	CATTLE GRID
Ci	CAST IRON
CIP	CABLE INLET POINT
CL	COVER LEVEL
C/L	CHAIN LINK FENCE
Col	COLUMN
Conc	CONCRETE
Conc Pvg	CONCRETE PAVING
CP	CATCHPIT
CpL	COPING LEVEL
Cpsn	CAPSTAN
CR	CRANE / HOIST
Cul	CULVERT
CW	CONCRETE WALL
Di	DUCTILE IRON
(dilap)	DILAPIDATED
(dis)	DISUSED
DPC	DAMP PROOF COURSE
DS	DIRECTION SIGN
DSW	DRYSTONE WALL
EIC	ELECTRICITY COVER
EL	EAVES LEVEL
EOT	END OF TRACE (utility)
EP	ELECTRICITY POLE
ER	EARTH ROD
ESP	ELECTRICITY SUPPLY POINT
ESW	ELECTRICITY SWITCH BOX
FB	FOOTBRIDGE
FL	FLOOR LEVEL
FFL	FINISHED FLOOR LEVEL
Flgt	FLOOR LIGHT
FH	FIRE HYDRANT
FS	FLAG STAFF
G	GULLY
GIS	GAS INLET POINT
GP	GUIDE POST
GPR	GROUND PROBING RADAR
Grl	GRILLE COVER
GV	GAS VALVE COVER
Hrl	HAND RAIL
IC	INSPECTION COVER
IL	INVERT LEVEL
I/R	IRON RAILING FENCE
KO	KERB OUTLET
Lby	LIFEBUOY
Lck	LOCK GATE
Ldr	LADDER
LOR	LOSS OF REFLECTION (gpr)
LOS	LOSS OF SIGNAL (eml)
LP	LAMP POST
Mcy	MACHINERY
MH	MANHOLE
MgP	MOORING POST
Mkr	MARKER POST
MP	MILE POST
MS	MILESTONE
MU	ELECTRIC MOTOR
NVP	NO VISIBLE PIPE
NP	NAME PLATE
OSA	OUTSIDE SURVEY AREA
OSBM	OS BENCH MARK
OGC	OVERGROUND CONDUIT
OHca	OVERHEAD CABLE Unidentified
OHC	OVERHEAD CONDUIT
OHE	OVERHEAD ELECTRIC
OHG	OVERHEAD GANTRY
OHStruct	OVERHEAD STRUCTURE
OHT	OVERHEAD TELECOMS
P	POST
PB	POST BOX
PC	SECURITY CAMERA
Pcg	PEDESTRIAN CROSSING
PD	PIT DEPTH
P/F	PANEL FENCE
PP	PETROL PUMP
P/R	POST & RAIL FENCE
Psk	PENSTOCK
PV	VERTICAL PIPE
Pyl	PYLON
PZ	PIEZOMETER
RE	RODDING EYE
RG	RAIN GAUGE
RL	RIDGE LEVEL
RMP	RESRVOIR MONITORING Pnt
RP	REFLECTOR POST
RS	ROAD SIGN
RSP	RAILWAY SIGNAL POST
RW	RETAINING WALL
RWP	RAN WATER PIPE
Sap	SAPLING
SB	SIGN BOARD
Shlt	SHELTER
Si	SPUN IRON
SL	SOFFIT LEVEL
Slt	SILT LEVEL
SMP	SETTLEMENT MONITORING Pnt
SP	SIGN POST
SPt	SAMPLING POINT
SS	STRUCTURE POINT
ST	STAND PIPE / SUPPLY TAP
Sti	STILE
STL	STRUCTURE TOP LEVEL
Stone Pvg	STONE PAVING SLABS
STP	STAND PIPE
StPO	STAY POST
Stu	STUMP
StW	STAYWIRE
SV	STOP VALVE
SW	STONE WALL
Tac	TACTILE PAVING
TBM	TEMPORARY BENCH MARK
TBol	BOLLARD (Dept' Transport)
TCB	TELEPHONE CALL BOX
TCP	TELEPHONE CALL POST
TEL	TELECOM COVER
ThL	THRESHOLD LEVEL
TL	TRAFFIC SIGNAL POST
TM	TICKET MACHINE
ToV	TOP OF VALVE LEVEL
TP	TELEGRAPH POLE
Tpt	TRIAL PIT
Tr	TROUGH
UTA	UNABLE TO ACCESS
UTL	UNABLE TO LOCATE
UTR	UNABLE TO RAISE
UTS	UNABLE TO SURVEY
UTT	UNABLE TO TRACE (utilities)
VC	VITRIFIED CLAY
VDP	VEHICLE DETECTION PAD
VP	VENT PIPE
VW	VALVE WHEEL
WB	WEIGH BRIDGE
WG	WATER GAUGE
WL	WATER LEVEL
WM	WATER METER
W/M	WIRE MESH FENCE
WO	WASHOUT COVER
WS	WIND SOCK POLE
WSR	WATER LEVEL SENSOR

▬	SURVEY EXTENTS	D=1.00m 1.00d	DEPTH INFORMATION
BT	BRITISH TELECOM	HW	HOT WATER
BT(r)	TAKEN FROM RECORDS	HW(r)	TAKEN FROM RECORDS
CTV	CATV CABLE	O/F	OPTIC FIBRE
CTV(r)	TAKEN FROM RECORDS	O/F(r)	TAKEN FROM RECORDS
CTV	CCTV CABLE	OIL	OIL PIPELINE
CTV(r)	TAKEN FROM RECORDS	OIL(r)	TAKEN FROM RECORDS
CW	COMBINED WATER	PWR	POWER FEATURE
CW(r)	TAKEN FROM RECORDS	SW	SURFACE WATER
DUC	EMPTY DUCT	SW(r)	TAKEN FROM RECORDS
DUC(r)	TAKEN FROM RECORDS	T	TELECOMMUNICATION CABLE
EA	EARTHING FEATURE	T(r)	TAKEN FROM RECORDS
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FW	FOUL WATER	VNT	VENT
FW(r)	TAKEN FROM RECORDS	VNT(r)	TAKEN FROM RECORDS
GAS	GAS	W	WATER
GAS(r)	TAKEN FROM RECORDS	W(r)	TAKEN FROM RECORDS
GPR	GPR FEATURE	HV	HV ELECTRIC
GPR(r)	TAKEN FROM RECORDS	HV(r)	TAKEN FROM RECORDS
Helium	HELIUM FEATURE	REF:GPR02	REFERENCE TO GPR DATA IN REPORT
Helium(r)	TAKEN FROM RECORDS		

PAS 128 Quality Levels:

SURVEY TYPE, QUALITY LEVELS AND ACCURACY	SUPPORTING DATA
VERIFICATION: QL-A: HORIZONTAL ± 50MM VERTICAL ± 25MM	HORIZONTAL & VERTICAL LOCATION OF THE TOP AND/OR BOTTOM OF THE ITEM.
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SITE RECONNAISSANCE: QL-C	---
DESKTOP: QL-D	---

NOTES: HORIZONTAL/VERTICAL VARIABLES BASED ON DETECTED LOCATION OF UTILITY
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Sheet Layouts

N

Grid:
Local Grid
by GPS Observations
to the OS Active
Network (OSTN15)

Datum:
Ordnance Datum
by GPS Observations
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Network (OSGM15)

Revision:	Amendments:	Date:	Name:
-	-	-	-
-	-	-	-
-	-	-	-
A	ORIGINAL ISSUE	Jun 22	SM

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MAKING COMPLEX EASY
THE SURVEY ASSOCIATION
AFFILIATE MEMBER
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Red Deer House, Dunston Business Village, Stafford Road, Dunston, Staffordshire, ST18 9AB

CLIENT:
David Kemmett
Project Manager
Noriker Power LTD

PROJECT:
Scot's Stability
Kilmarnock South

TITLE:
Topographic Survey

Drawn: SM
Checked: JS
Date: June 2022
Scale: 1:200 @ A0
Drg No: UAR3329_A
Sheet: 6 of 9

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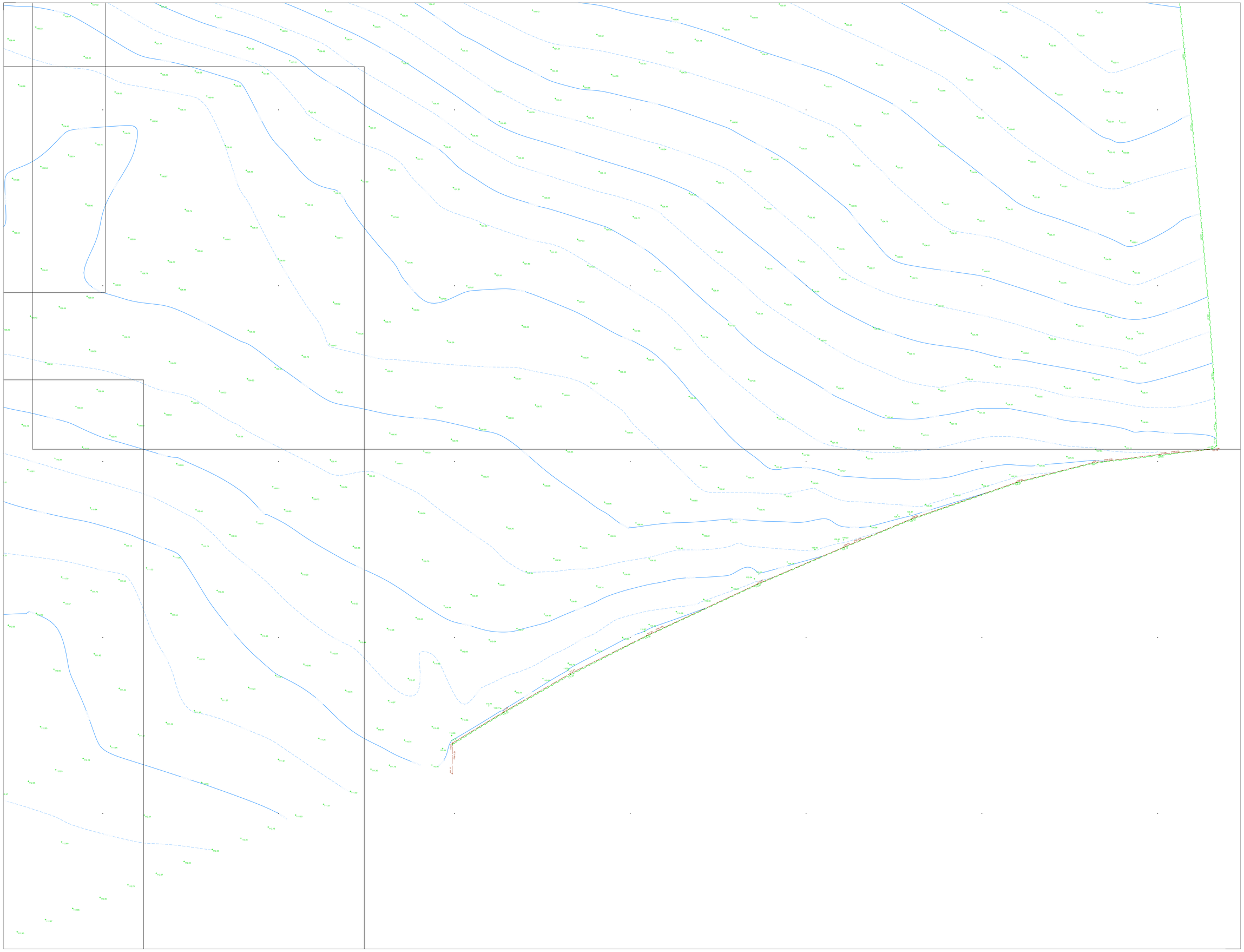

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AV	AIR VALVE	GP	GUIDE POST	Sap	SAPLING
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Bol	BOLLARD	IC	INSPECTION COVER	Slt	SILT LEVEL
BP	BOUNDARY POST	IL	INVERT LEVEL	SMP	SETTLEMENT MONITORING Pnt
B Pvg	BLOCK PAVING	I/R	IRON RAILING FENCE	SP	SIGN POST
BRck	BICYCLE RACK	KO	KERB OUTLET	SPt	SAMPLING POINT
BS	BUS STOP	Lby	LIFEBUOY	SS	STRUCTURE POINT
BT	BRITISH TELECOM COVER	Lck	LOCK GATE	ST	STAND PIPE / SUPPLY TAP
BW	BRICK WALL	Ldr	LADDER	Sti	STILE
BWF	BARBED WIRE FENCE	LOR	LOSS OF REFLECTION (gpr)	STL	STRUCTURE TOP LEVEL
CAP	CABLE WINDING MACHINE	LOS	LOSS OF SIGNAL (eml)	Stone Pvg	STONE PAVING SLABS
Cat	CATENARY LEVEL	LP	LAMP POST	STP	STAND PIPE
CATV	CABLE TV COVER	Mcy	MACHINERY	StPO	STAY POST
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CIP	CABLE INLET POINT	MU	ELECTRIC MOTOR	TBM	TEMPORARY BENCH MARK
CL	COVER LEVEL	NVP	NO VISIBLE PIPE	TBol	BOLLARD (Dept' Transport)
C/L	CHAIN LINK FENCE	NP	NAME PLATE	TCB	TELEPHONE CALL BOX
Col	COLUMN	OSA	OUTSIDE SURVEY AREA	TCP	TELEPHONE CALL POST
Conc	CONCRETE	OSBM	OS BENCH MARK	TEL	TELECOM COVER
Conc Pvg	CONCRETE PAVING	OGC	OVERGROUND CONDUIT	ThL	THRESHOLD LEVEL
CP	CATCHPIT	OHca	OVERHEAD CABLE Unidentified	TL	TRAFFIC SIGNAL POST
CpL	COPING LEVEL	OHC	OVERHEAD CONDUIT	TM	TICKET MACHINE
Cpsn	CAPSTAN	OHE	OVERHEAD ELECTRIC	ToV	TOP OF VALVE LEVEL
CR	CRANE / HOIST	OHG	OVERHEAD GANTRY	TP	TELEGRAPH POLE
Cul	CULVERT	OHStruct	OVERHEAD STRUCTURE	Tpt	TRIAL PIT
CW	CONCRETE WALL	OHT	OVERHEAD TELECOMS	Tr	TROUGH
Di	DUCTILE IRON	P	POST	UTA	UNABLE TO ACCESS
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FS	FLAG STAFF	RSP	RAILWAY SIGNAL POST		
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CTV(r)	TAKEN FROM RECORDS	O/F(r)	TAKEN FROM RECORDS
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CTV(r)	TAKEN FROM RECORDS	OIL(r)	TAKEN FROM RECORDS
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EA	EARTHING FEATURE	T(r)	TAKEN FROM RECORDS
EA(r)	TAKEN FROM RECORDS	TLM	TELEMETRY CABLE
E	ELECTRIC CABLE	TRA	TRAFFIC SIGNALS
E(r)	TAKEN FROM RECORDS	TRA(r)	TAKEN FROM RECORDS
FL	FUEL LINE	UK	UNKNOWN SERVICE
FL(r)	TAKEN FROM RECORDS	UK(r)	TAKEN FROM RECORDS
FW	FOUL WATER	VNT	VENT
FW(r)	TAKEN FROM RECORDS	VNT(r)	TAKEN FROM RECORDS
GAS	GAS	W	WATER
GAS(r)	TAKEN FROM RECORDS	W(r)	TAKEN FROM RECORDS
GPR	GPR FEATURE	HV	HV ELECTRIC
GPR(r)	TAKEN FROM RECORDS	HV(r)	TAKEN FROM RECORDS
Helium	HELIUM FEATURE	← REF:GPR02	REFERENCE TO GPR DATA IN REPORT
Helium(r)	TAKEN FROM RECORDS		

PAS 128 Quality Levels:

SURVEY TYPE, QUALITY LEVELS AND ACCURACY	SUPPORTING DATA
VERIFICATION: QL-A: HORIZONTAL ± 50MM VERTICAL ± 25MM	HORIZONTAL & VERTICAL LOCATION OF THE TOP AND/OR BOTTOM OF THE ITEM.
DETECTION: QL-B4	A UTILITY WHICH IS SUSPECTED TO EXIST BUT HAS NOT BEEN DETECTED AND IS SHOWN AS AN ASSUMED ROUTE.
QL-B3/p: HORIZONTAL ±500MM	HORIZONTAL LOCATION ONLY OF THE UTILITY DETECTED BY ONE TECHNIQUE.
QL-B2/p: HORIZONTAL ±250MM/±40% VERTICAL ±40%	HORIZONTAL AND VERTICAL LOCATION OF UTILITY DETECTED BY ONE TECHNIQUE ONLY.
QL-B1/p: HORIZONTAL ±150MM/±15% VERTICAL ±15%	HORIZONTAL AND VERTICAL LOCATION OF UTILITY DETECTED BY MULTIPLE TECHNIQUES.
SITE RECONNAISSANCE: QL-C	---
DESKTOP: QL-D	---

NOTES: HORIZONTAL/VERTICAL VARIABLES BASED ON DETECTED LOCATION OF UTILITY
P = POST PROCESSING
REFER TO FULL PAS128 DOCUMENT FOR FURTHER INFORMATION

Sheet Layouts

N

Grid:
Local Grid
by GPS Observations
to the OS Active
Network (OSTN15)

Datum:
Ordnance Datum
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Revision:	Amendments:	Date:	Name:
-	-	-	-
-	-	-	-
-	-	-	-
A	ORIGINAL ISSUE	Jun 22	SM

RPS MAKING COMPLEX EASY
THE SURVEY ASSOCIATION AFFILIATE MEMBER
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Red Deer House, Dunston Business Village, Stafford Road, Dunston, Staffordshire, ST18 9AB

CLIENT:
David Kemmett
Project Manager
Noriker Power LTD

PROJECT:
Scot's Stability
Kilmarnock South

TITLE:
Topographic Survey

Drawn: SM
Checked: JS
Date: June 2022
Scale: 1:200 @ A0
Drg No: UAR3329_A
Sheet: 7 of 9

MAKING
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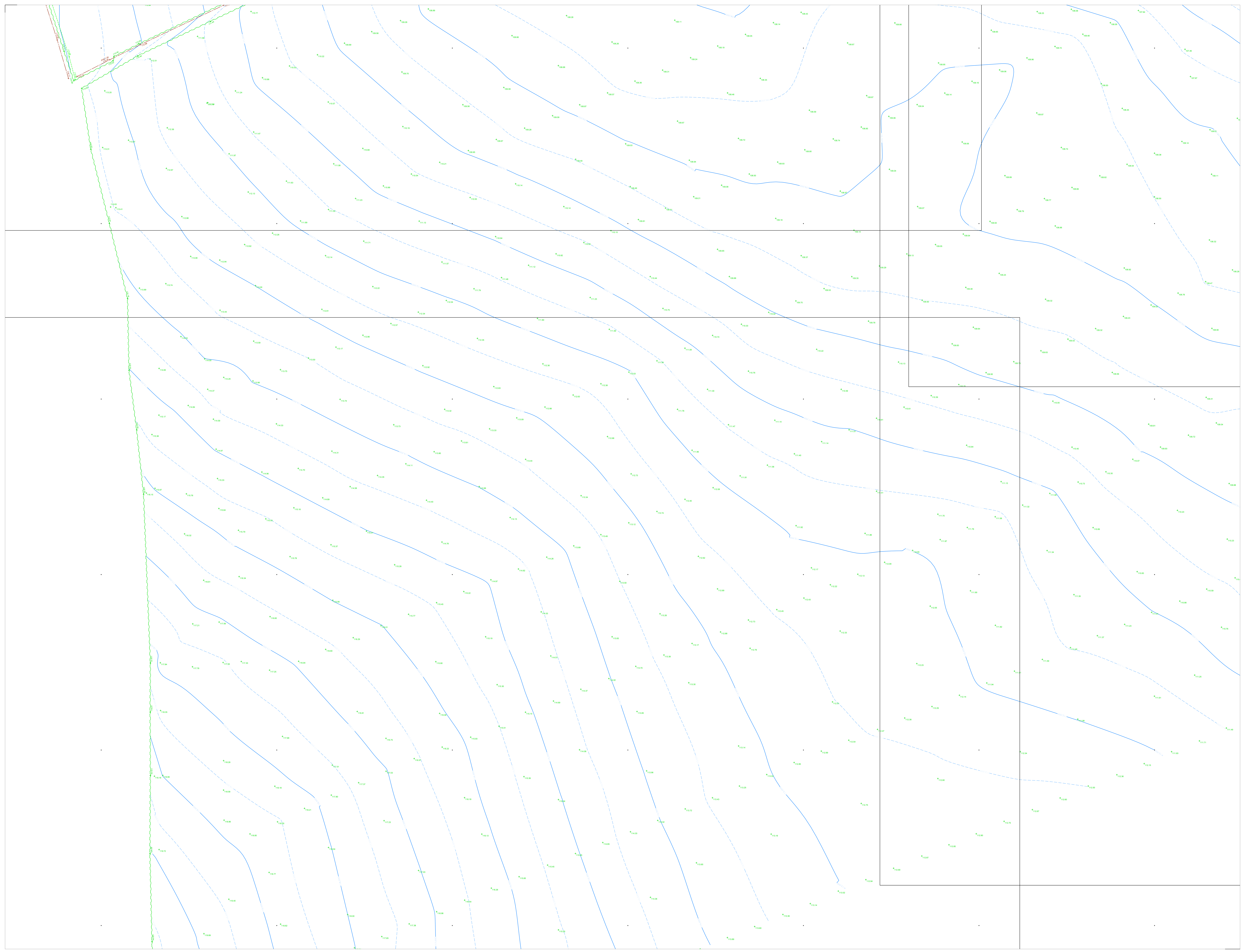
EASY



Notes:

The Contractor is to check and verify all building and site dimensions, levels and sewer invert levels at connection points before work starts. The Contractor is to comply in all respects with current Building Legislation, British Standard Specifications, Building Regulations, Construction (Design & Management) Regulations, Party Wall Act, etc. whether or not specifically stated on this drawing. This drawing must be read with and checked against any structural, geotechnical or other specialist documentation provided.

This drawing is not intended to show details of foundations, ground conditions or ground contaminants. Each area of ground relied upon to support any structure depicted (including drainage) must be investigated by the Contractor. A suitable method of foundation should be provided allowing for existing ground conditions. Any suspect or fluid ground, contaminates on or within the ground, should be further investigated by a suitable expert. Any earthwork constructions shown indicate typical slopes for guidance only & should be further investigated by a suitable expert.

Where existing trees are to be retained they should be subject to a full Arboricultural inspection for safety. All trees are to be planted so as to ensure they are a minimum of 5 metres from buildings and 3 metres from drainage and services. A suitable method of foundation is to be provided to accommodate the proposed tree planting. All tree types are provided as a guide only and a full Arboricultural survey to be conducted to determine the exact tree types should be completed.

Sketch proposals are for illustrative purposes only & as such are subject to detailed site investigation including ground conditions/contaminants, drainage, design & planning/density negotiations. Sketch proposals may be based upon enlargements of OS sheets & visual estimations of existing site features, accuracy will therefore need to be verified by survey. Sketch proposals have not been considered in respect of CDM Regulations.

Survey carried out to client specification and in accordance with RICS publication:
SURVEYS OF LAND , BUILDING & UTILITY SERVICES AT SCALES 1:500 & LARGER, 3rd EDITION.

Utility Services Location Note:

This survey has been carried out using a combination of observation and detection using electrolocation and ground probing radar equipment. Connections between reference points such as manholes are assumed to be straight unless bends are indicated. The accuracy is limited to the tolerances normally expected from the equipment used.

The following indications of completeness and accuracy are for guidance only:

In areas where there is a large concentration of services, the completeness will be between 80% and 90%. This will be reduced where there are obstructions at ground level.

Positional accuracy will vary with depth and pipe / duct material; an accuracy of +/- 150 mm is achievable in normal circumstances but this will be reduced for plastic pipes.

Existing information from historical plans is likely to be unreliable and is shown for guidance only.

Excavations in the area should be carried out with care and in accordance with HSG 47. No absolute guarantee of accuracy should be inferred from these plans.

The following text is an extract from Surveys of Land, Buildings and Utility Surveys at scales of 1:500 and Larger, 3rd Edition

"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 +/- 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"*

Standard Abbreviations

ACO	LINEAR DRAINAGE CHANNEL	GIS	GAS INLET POINT	RWP	RAN WATER PIPE
AV	AIR VALVE	GP	GUIDE POST	Sap	SAPLING
A/R	ASSUMED ROUTE	GPR	GROUND PROBING RADAR	SB	SIGN BOARD
BB	BELISH BEACON	Grl	GRILLE COVER	Shlt	SHELTER
BdL	BED LEVEL	GV	GAS VALVE COVER	Si	SPUN IRON
BH	BOREHOLE	Hrl	HAND RAIL	SL	SOFFIT LEVEL
Bol	BOLLARD	IC	INSPECTION COVER	Slt	SILT LEVEL
BP	BOUNDARY POST	IL	INVERT LEVEL	SMP	SETTLEMENT MONITORING Pnt
B Pvg	BLOCK PAVING	I/R	IRON RAILING FENCE	SP	SIGN POST
BRck	BICYCLE RACK	KO	KERB OUTLET	SPt	SAMPLING POINT
BS	BUS STOP	Lby	LIFEBUOY	SS	STRUCTURE POINT
BT	BRITISH TELECOM COVER	Lck	LOCK GATE	ST	STAND PIPE / SUPPLY TAP
BW	BRICK WALL	Ldr	LADDER	Sti	STILE
BWF	BARBED WIRE FENCE	LOR	LOSS OF REFLECTION (gpr)	STL	STRUCTURE TOP LEVEL
CAP	CABLE WINDING MACHINE	LOS	LOSS OF SIGNAL (eml)	Stone Pvg	STONE PAVING SLABS
Cat	CATENARY LEVEL	LP	LAMP POST	STP	STAND PIPE
CATV	CABLE TV COVER	Mcy	MACHINERY	StPO	STAY POST
CB	CONTROL BOX	MH	MANHOLE	Stu	STUMP
C/B	CLOSE BOARDED FENCE	MgP	MOORING POST	StW	STAYWIRE
CD	CHAMBER DEPTH	Mkr	MARKER POST	SV	STOP VALVE
Cgd	CATTLE GRID	MP	MILE POST	SW	STONE WALL
Ci	CAST IRON	MS	MILESTONE	Tac	TACTILE PAVING
CIP	CABLE INLET POINT	MU	ELECTRIC MOTOR	TBM	TEMPORARY BENCH MARK
CL	COVER LEVEL	NVP	NO VISIBLE PIPE	TBol	BOLLARD (Dept' Transport)
C/L	CHAIN LINK FENCE	NP	NAME PLATE	TCB	TELEPHONE CALL BOX
Col	COLUMN	OSA	OUTSIDE SURVEY AREA	TCP	TELEPHONE CALL POST
Conc	CONCRETE	OSBM	OS BENCH MARK	TEL	TELECOM COVER
Conc Pvg	CONCRETE PAVING	OGC	OVERGROUND CONDUIT	ThL	THRESHOLD LEVEL
CP	CATCHPIT	OHca	OVERHEAD CABLE Unidentified	TL	TRAFFIC SIGNAL POST
CpL	COPING LEVEL	OHC	OVERHEAD CONDUIT	TM	TICKET MACHINE
Cpsn	CAPSTAN	OHE	OVERHEAD ELECTRIC	ToV	TOP OF VALVE LEVEL
CR	CRANE / HOIST	OHG	OVERHEAD GANTRY	TP	TELEGRAPH POLE
Cul	CULVERT	OHStruct	OVERHEAD STRUCTURE	Tpt	TRIAL PIT
CW	CONCRETE WALL	OHT	OVERHEAD TELECOMS	Tr	TROUGH
Di	DUCTILE IRON	P	POST	UTA	UNABLE TO ACCESS
(dilap)	DILAPIDATED	PB	POST BOX	UTL	UNABLE TO LOCATE
(dis)	DISUSED	PC	SECURITY CAMERA	UTR	UNABLE TO RAISE
DPC	DAMP PROOF COURSE	Pcg	PEDESTRIAN CROSSING	UTS	UNABLE TO SURVEY
DS	DIRECTION SIGN	PD	PIT DEPTH	UTT	UNABLE TO TRACE (utilities)
DSW	DRYSTONE WALL	P/F	PANEL FENCE	VC	VITRIFIED CLAY
EIC	ELECTRICITY COVER	PP	PETROL PUMP	VDP	VEHICLE DETECTION PAD
EL	EAVES LEVEL	P/R	POST & RAIL FENCE	VP	VENT PIPE
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G	GULLY	RW	RETAINING WALL		

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BT(r)	TAKEN FROM RECORDS	HW(r)	TAKEN FROM RECORDS
CTV	CATV CABLE	O/F	OPTIC FIBRE
CTV(r)	TAKEN FROM RECORDS	O/F(r)	TAKEN FROM RECORDS
CTV	CCTV CABLE	OIL	OIL PIPELINE
CTV(r)	TAKEN FROM RECORDS	OIL(r)	TAKEN FROM RECORDS
CW	COMBINED WATER	PWR	POWER FEATURE
CW(r)	TAKEN FROM RECORDS	SW	SURFACE WATER
DUC	EMPTY DUCT	SW(r)	TAKEN FROM RECORDS
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FW(r)	TAKEN FROM RECORDS	VNT(r)	TAKEN FROM RECORDS
GAS	GAS	W	WATER
GAS(r)	TAKEN FROM RECORDS	W(r)	TAKEN FROM RECORDS
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Revision:	Amendments:	Date:	Name:
-	-	-	-
-	-	-	-
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A	ORIGINAL ISSUE	Jun 22	SM

MAKING COMPLEX EASY

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Red Deer House, Dunston Business Village, Stafford Road, Dunston, Staffordshire, ST18 9AB

CLIENT:
David Kemmett
Project Manager
Noriker Power LTD

PROJECT:
Scot's Stability
Kilmarnock South

TITLE:
Topographic Survey

Drawn: SM	Checked: JS
Date: June 2022	Scale: 1:200 @ A0
Drg No: UAR3329_A	Sheet: 8 of 9

MAKING COMPLEX EASY

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DPC	DAMP PROOF COURSE	Pcg	PEDESTRIAN CROSSING	UTS	UNABLE TO SURVEY
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SITE RECONNAISSANCE: QL-C	---
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