

TOPOGRAPHICAL & MEASURED BUILDING SURVEYS

ABBREVIATIONS & SYMBOLS

AH	Arch Head Height	ER	Earth Rod	RSD	Roller Shutter Door
A/B	Air Brick	ET	EP+Transformer	RSJ	Rolled Steel Joist
AR	Assumed Route	FB	Flower Bed	SI	Sign Post
AV	Air Valve	FBD	Floor Board Direction	SP	Arch Spring Point Height
BB	Belisha Beacon	FH	Fire Hydrant	SV	Stop Valve
BH	Bore Hole	FL	Floor Level	SW	Surface Water
BL	Bed Level	FP	Flag Pole	SY	Cable Stay
BO	Bollard	FW	Foul Water	Tac	Tactile Paving
BrP	Brace Post	GG	Gully Grate	TC	Telecom Cover
BS	Bus Stop	GV	Gas Valve	TH	Trial Pit
BU	Bush	HH	Head Height	THL	Threshold Level
B/W	Barbed Wire Fence	IC	Inspection Cover	TL	Traffic Light
BX	Box (Utilities)	IL	Invert Level	ToW	Top of Wall
C/B	Close Board Fence	I/R	Iron Railings	TP	Telegraph Pole
CH	Cill Height	KO	Kerb Outlet	TS	Traffic Signal Cover
CL	Cover Level	LP	Lamp Post	TV	Cable TV Cover
C/L	Chain Link Fence	MH	Manhole	UB	Universal Beam
C-Lev	Ceiling Level	MP	Marker Post	UC	Unknown Cover
Col	Column	NB	Name Board	UK	Unknown Tree
C/P	Chestnut Paling Fence	OHL	Overhead Line (approx)	UMG	Unmade Ground
CR	Cable Riser	Pan	Panel Fence	USB	Under Side Beam
C/W	Chicken Wire	PB	Post Box	UTL	Unable To Lift
DC	Drainage Channel	PM	Parking Meter	UTS	Unable To Survey
DH	Door Head Height	PO	Post	VP	Vent Pipe
Dil.	Dilapidated	P/R	Post & Rail Fence	WB	Waste Bin
DP	Down Pipe	P/W	Post & Wire Fence	WH	Weep Hole
DR	Drain	P/Wall	Partition Wall	WL	Water Level
EBx	Electric Box	RE	Rodding Eye	WM	Water Meter
EC	Electric Supply Cover	RL	Ridge Level	WO	Wash Out
EL	Eaves Level	RP	Reflector Post	(X.XX)	Floor to Ceiling Height
EP	Electric Pole	RS	Road Sign	(X.XX)F/C	Floor to False Ceiling Ht
				△	Survey Control Station

DRAWING NOTES

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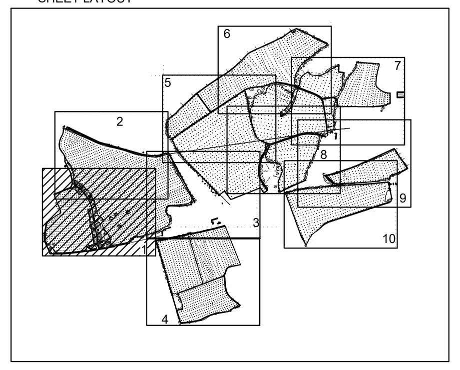
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SHEET LAYOUT



Not to scale

SURVEY CONTROL CO-ORDINATES

STATIONS	EASTINGS	NORTHINGS	LEVEL	DESCRIPTION
ST01	423472.787	415889.918	196.729	Nail in peg
ST02	423509.987	415806.191	198.229	Nail in peg
ST03	423374.505	415790.556	205.542	Nail in peg
ST04	423474.301	415980.340	190.334	Nail in peg
ST05	423578.307	415810.997	194.696	Nail in peg
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SURVEY GRID AND LEVEL DATUM

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REV	DESCRIPTION	DRAWN	APPR	DATE

SURVEY SOLUTIONS

LAND SURVEYING
BUILDING SURVEYING
UNDERGROUND SURVEYING
SITE ENGINEERING
MONITORING

0845 040 5969
survey-solutions.co.uk

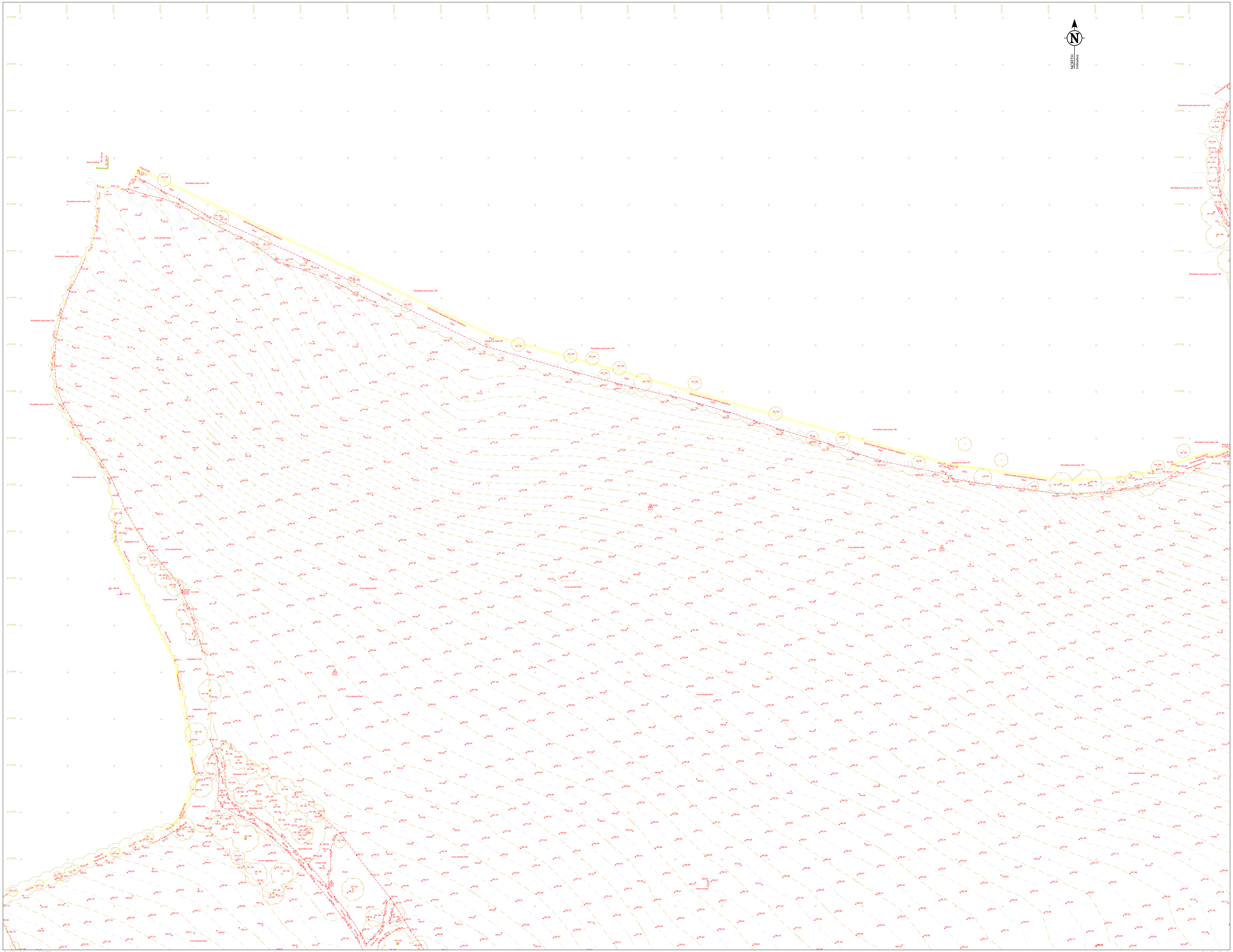
IPSWICH BRENTWOOD COVENTRY GLASGOW NORWICH NOTTINGHAM YEOVIL

PROJECT TITLE LOW FARM, WAKEFIELD ROAD GRANGE MOOR, WAKEFIELD, WF4 4AR				
DRAWING DETAIL TOPOGRAPHICAL SURVEY Sheet 1 of 10				
CLIENT BOOM POWER LTD				SCALE 1:500
SURVEYOR SCP	SURVEY DATE 10/03/2021	CHECKED BY MM	APPROVED BY RAG	DWG STATUS FINAL
DRAWING NUMBER 31351NGLS_01			REVISION	ISSUE DATE 01/04/2021

ISO 9001 REGISTERED FIRM
RICS
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THE SURVEY ASSOCIATION

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Original Sheet Size A0H



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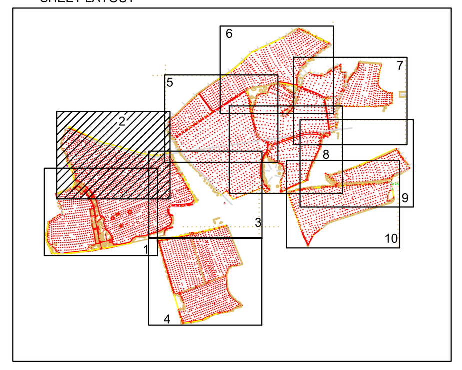
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CLIENT BOOM POWER LTD	SCALE 1:500

SURVEYOR	SURVEY DATE	CHECKED BY	APPROVED BY	DWG STATUS
SCP	10/03/2021	MM	RAG	FINAL

DRAWING NUMBER	REVISION	ISSUE DATE
31351NGLS_02		01/04/2021

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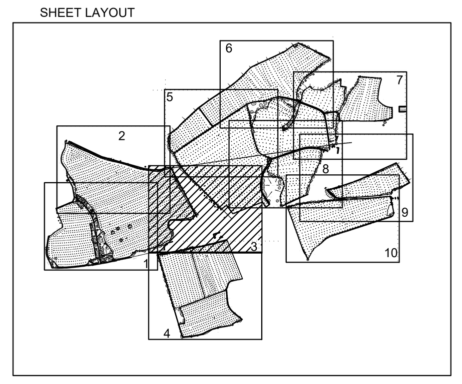
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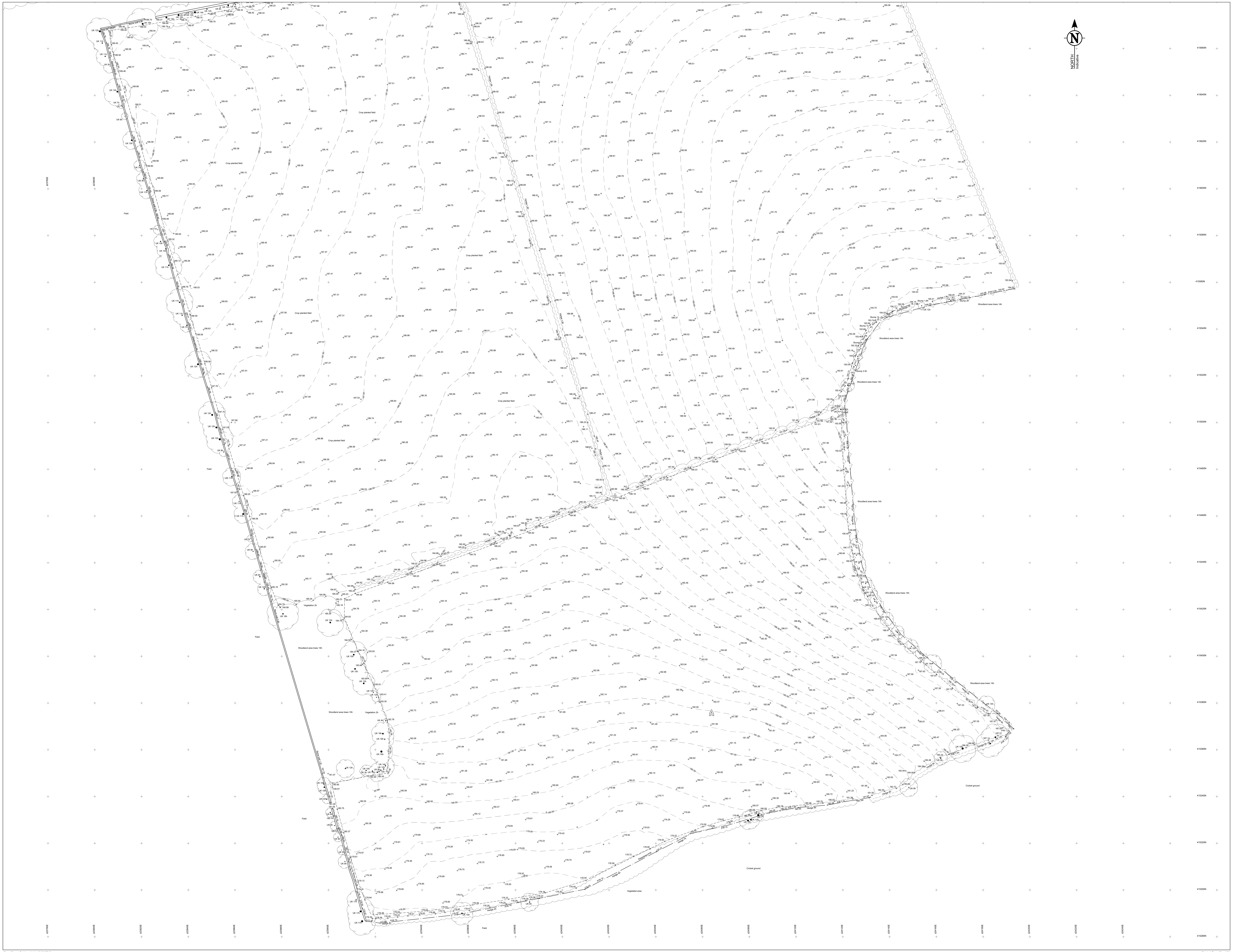
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CLIENT BOOM POWER LTD				SCALE 1:500
SURVEYOR SCP	SURVEY DATE 10/03/2021	CHECKED BY MM	APPROVED BY RAG	DWG STATUS FINAL
DRAWING NUMBER 31351NGLS_03			REVISION	ISSUE DATE 01/04/2021

ISO 9001 REGISTERED FIRM · RICS · chartered ices · THE SURVEY ASSOCIATION



TOPOGRAPHICAL & MEASURED BUILDING SURVEYS

ABBREVIATIONS & SYMBOLS

AH	Arch Head Height	ER	Earth Rod	RSD	Roller Shutter Door
A/B	Air Brick	ET	EP+Transformer	RSJ	Rolled Steel Joist
AR	Assumed Route	FB	Flower Bed	SI	Sign Post
AV	Air Valve	FBD	Floor Board Direction	SP	Arch Spring Point Height
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Dil.	Dilapidated	P/R	Post & Rail Fence	WB	Waste Bin
DP	Down Pipe	P/W	Post & Wire Fence	WH	Weep Hole
DR	Drain	P/Wall	Partition Wall	WL	Water Level
EBx	Electric Box	RE	Rodding Eye	WM	Water Meter
EC	Electric Supply Cover	RL	Ridge Level	WO	Wash Out
EL	Eaves Level	RP	Reflector Post	(X.XX)	Floor to Ceiling Height
EP	Electric Pole	RS	Road Sign	(X.XX) F/C	Floor to False Ceiling Ht
				(triangle)	Survey Control Station

DRAWING NOTES

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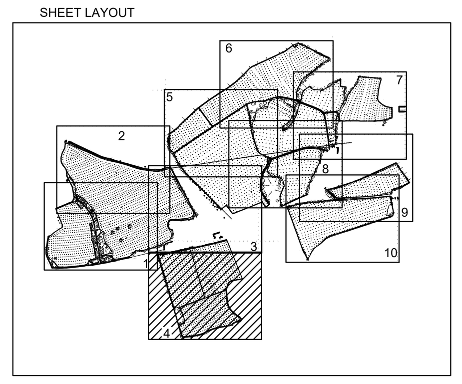
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SHEET LAYOUT



Not to scale

SURVEY CONTROL CO-ORDINATES

STATIONS	EASTINGS	NORTHINGS	LEVEL	DESCRIPTION
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ST02	423509.987	415806.191	198.229	Nail in peg
ST03	423374.505	415790.556	205.542	Nail in peg
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ST43	424768.811	416318.501	144.261	Nail in peg

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REV	DESCRIPTION	DRAWN	APPR	DATE

SURVEY SOLUTIONS

LAND SURVEYING
BUILDING SURVEYING
UNDERGROUND SURVEYING
SITE ENGINEERING
MONITORING

0845 040 5969
survey-solutions.co.uk

IPSWICH BRENTWOOD COVENTRY GLASGOW NORWICH NOTTINGHAM YEOVIL

PROJECT TITLE
LOW FARM, WAKEFIELD ROAD
GRANGE MOOR, WAKEFIELD, WF4 4AR

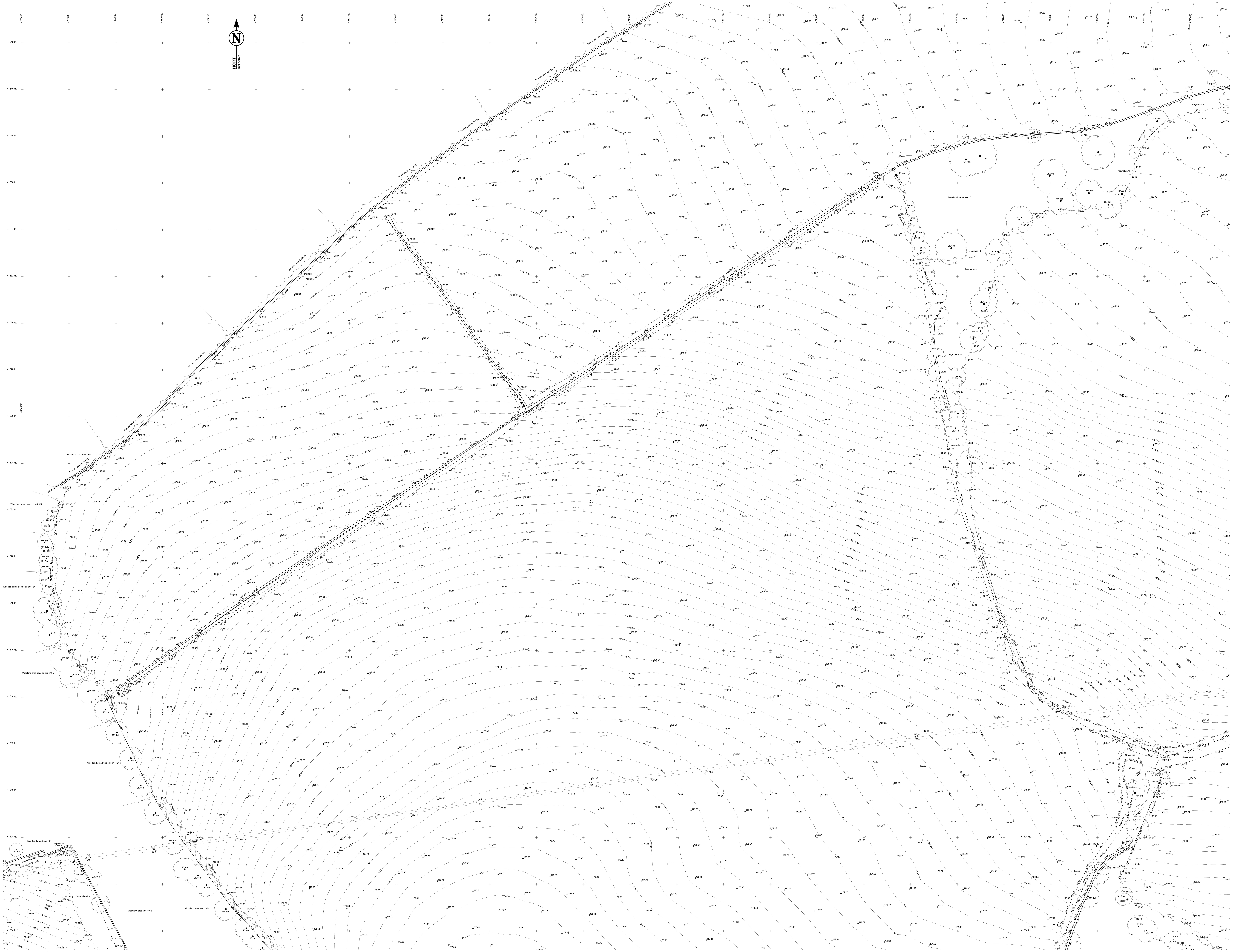
DRAWING DETAIL
TOPOGRAPHICAL SURVEY
Sheet 4 of 10

CLIENT				SCALE
BOOM POWER LTD				1:500
SURVEYOR	SURVEY DATE	CHECKED BY	APPROVED BY	DWG STATUS
SCP	10/03/2021	MM	RAG	FINAL
DRAWING NUMBER			REVISION	ISSUE DATE
31351NGLS_04				01/04/2021

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Original Sheet Size A0H



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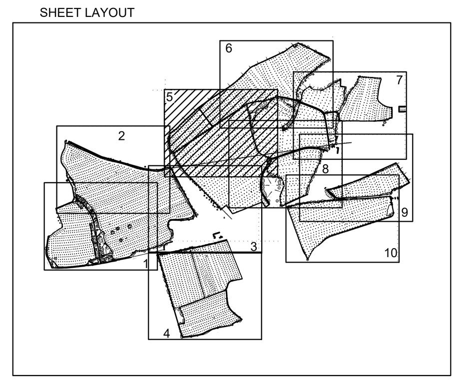
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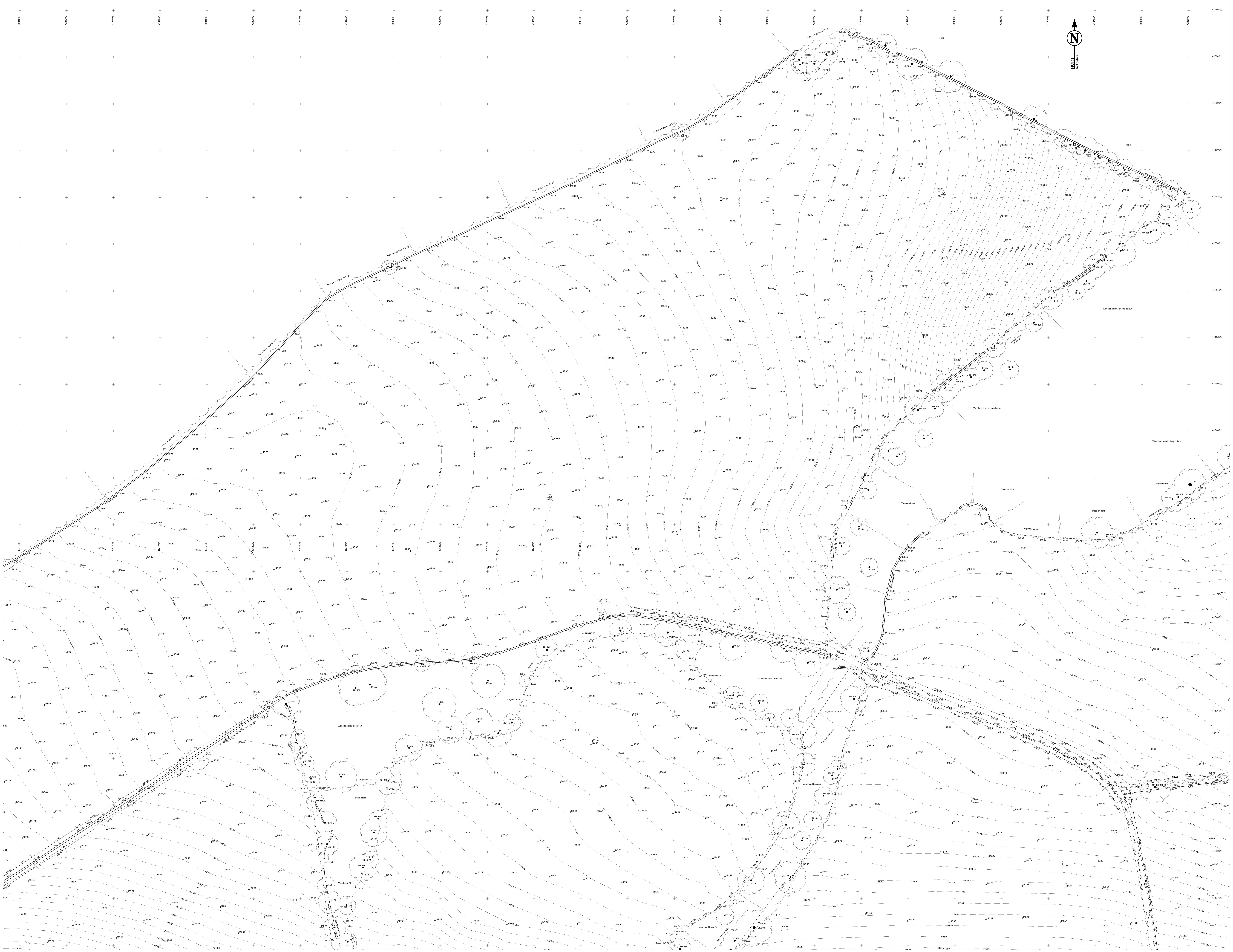
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PROJECT TITLE LOW FARM, WAKEFIELD ROAD GRANGE MOOR, WAKEFIELD, WF4 4AR				
DRAWING DETAIL TOPOGRAPHICAL SURVEY Sheet 5 of 10				
CLIENT BOOM POWER LTD				SCALE 1:500
SURVEYOR SCP	SURVEY DATE 10/03/2021	CHECKED BY MM	APPROVED BY RAG	DWG STATUS FINAL
DRAWING NUMBER 31351NGLS_05			REVISION	ISSUE DATE 01/04/2021

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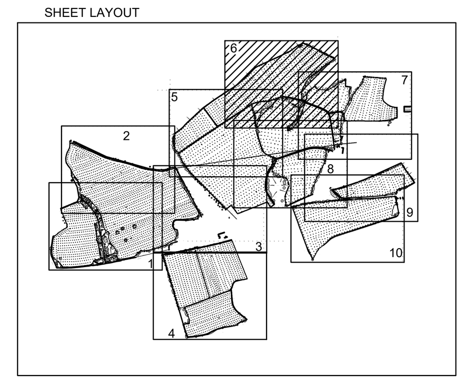
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0845 040 5969
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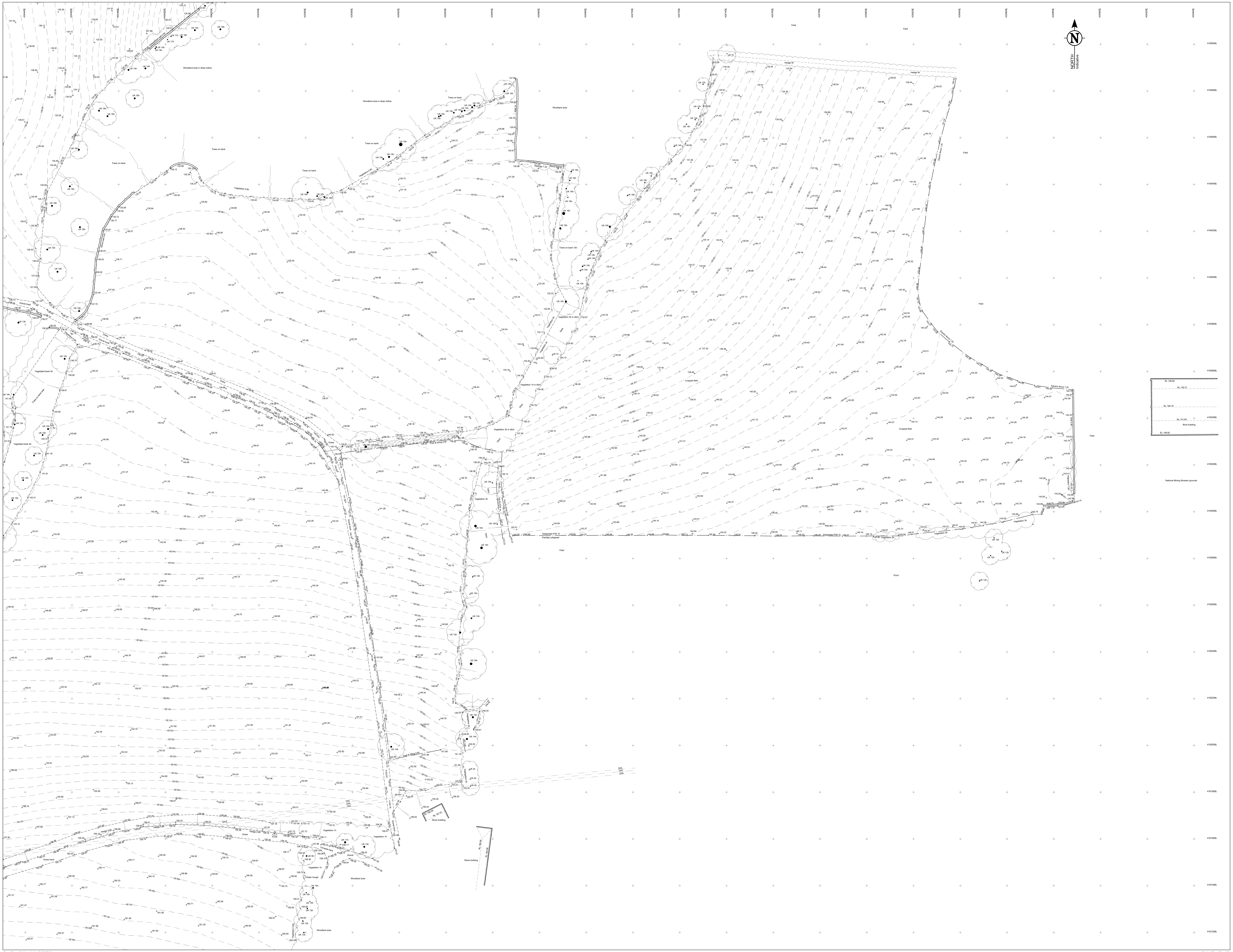
IPSWICH BRENTWOOD COVENTRY GLASGOW NORWICH NOTTINGHAM YEOVIL

PROJECT TITLE
LOW FARM, WAKEFIELD ROAD
GRANGE MOOR, WAKEFIELD, WF4 4AR

DRAWING DETAIL
TOPOGRAPHICAL SURVEY
Sheet 6 of 10

CLIENT				SCALE
BOOM POWER LTD				1:500
SURVEYOR	SURVEY DATE	CHECKED BY	APPROVED BY	DWG STATUS
SCP	10/03/2021	MM	RAG	FINAL
DRAWING NUMBER			REVISION	ISSUE DATE
31351NGLS_06				01/04/2021

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Original Sheet Size A0H

TOPOGRAPHICAL & MEASURED BUILDING SURVEYS

ABBREVIATIONS & SYMBOLS

AH	Arch Head Height	ER	Earth Rod	RSD	Roller Shutter Door
A/B	Air Brick	ET	EP+Transformer	RSJ	Rolled Steel Joist
AR	Assumed Route	FB	Flower Bed	SI	Sign Post
AV	Air Valve	FBD	Floor Board Direction	SP	Arch Spring Point Height
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CR	Cable Riser	Pan	Panel Fence	USB	Under Side Beam
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Dil.	Dilapidated	P/R	Post & Rail Fence	WB	Waste Bin
DP	Down Pipe	P/W	Post & Wire Fence	WH	Weep Hole
DR	Drain	P/Wall	Partition Wall	WL	Water Level
EBx	Electric Box	RE	Rodding Eye	WM	Water Meter
EC	Electric Supply Cover	RL	Ridge Level	WO	Wash Out
EL	Eaves Level	RP	Reflector Post	(x.xx)	Floor to Ceiling Height
EP	Electric Pole	RS	Road Sign	(x.xx)F/C	Floor to False Ceiling Ht

△ Survey Control Station

DRAWING NOTES

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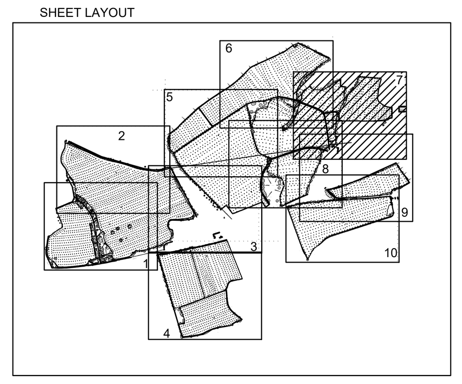
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Do not scale from this drawing.

SHEET LAYOUT



Not to scale

SURVEY CONTROL CO-ORDINATES

STATIONS	EASTINGS	NORTHINGS	LEVEL	DESCRIPTION
ST01	423472.787	415889.918	196.729	Nail in peg
ST02	423509.987	415806.191	198.229	Nail in peg
ST03	423374.505	415790.556	205.542	Nail in peg
ST04	423474.301	415980.340	190.334	Nail in peg
ST05	423578.307	415810.997	194.696	Nail in peg
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ST43	424768.811	416318.501	144.261	Nail in peg

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REV	DESCRIPTION	DRAWN	APPR	DATE

SURVEY SOLUTIONS

LAND SURVEYING
BUILDING SURVEYING
UNDERGROUND SURVEYING
SITE ENGINEERING
MONITORING

0845 040 5969
survey-solutions.co.uk

IPSWICH BRENTWOOD COVENTRY GLASGOW NORWICH NOTTINGHAM YEOVIL

PROJECT TITLE
LOW FARM, WAKEFIELD ROAD
GRANGE MOOR, WAKEFIELD, WF4 4AR

DRAWING DETAIL
TOPOGRAPHICAL SURVEY
Sheet 7 of 10

CLIENT				SCALE
BOOM POWER LTD				1:500
SURVEYOR	SURVEY DATE	CHECKED BY	APPROVED BY	DWG STATUS
SCP	10/03/2021	MM	RAG	FINAL
DRAWING NUMBER			REVISION	ISSUE DATE
31351NGLS_07				01/04/2021

ISO 9001 REGISTERED FIRM   RICS   chartered ices   THE SURVEY ASSOCIATION



TOPOGRAPHICAL & MEASURED BUILDING SURVEYS

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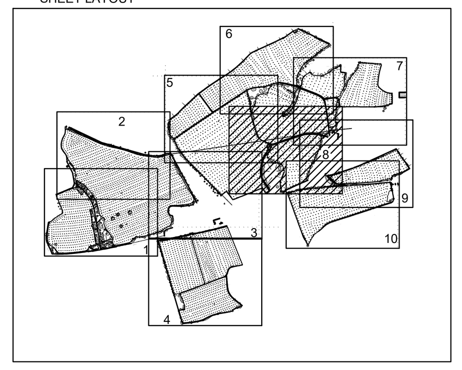
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BUILDING SURVEYING
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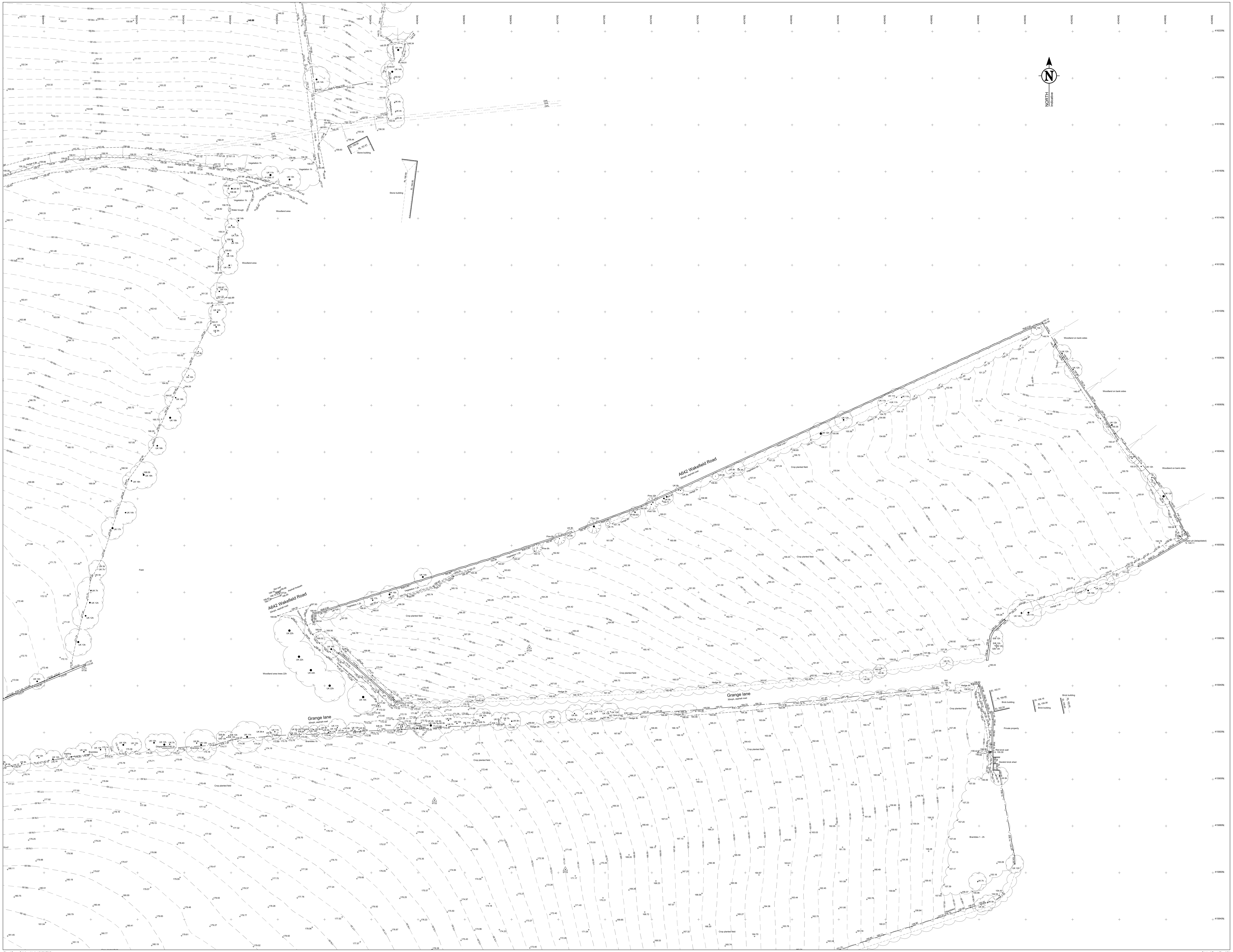
DRAWING DETAIL
TOPOGRAPHICAL SURVEY
Sheet 8 of 10

CLIENT			SCALE
BOOM POWER LTD			1:500

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SCP	10/03/2021	MM	RAG	FINAL

DRAWING NUMBER	REVISION	ISSUE DATE
31351NGLS_08		01/04/2021

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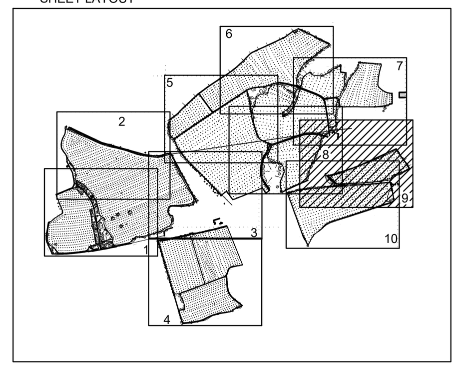
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SURVEY SOLUTIONS

LAND SURVEYING
BUILDING SURVEYING
UNDERGROUND SURVEYING
SITE ENGINEERING
MONITORING

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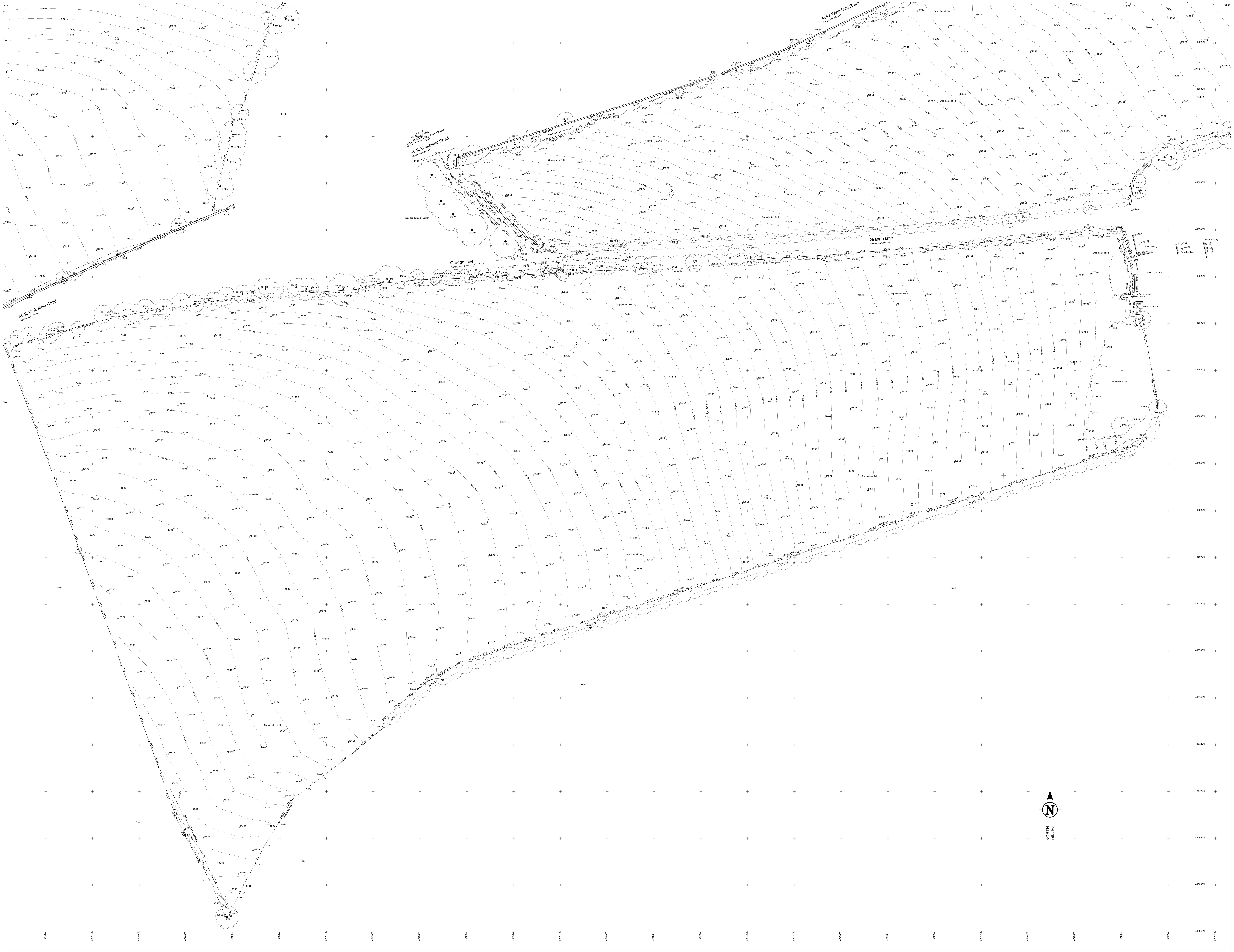
IPSWICH BRENTWOOD COVENTRY GLASGOW NORWICH NOTTINGHAM YEOVIL

PROJECT TITLE LOW FARM, WAKEFIELD ROAD GRANGE MOOR, WAKEFIELD, WF4 4AR				
DRAWING DETAIL TOPOGRAPHICAL SURVEY Sheet 9 of 10				
CLIENT BOOM POWER LTD				SCALE 1:500
SURVEYOR SCP	SURVEY DATE 10/03/2021	CHECKED BY MM	APPROVED BY RAG	DWG STATUS FINAL
DRAWING NUMBER 31351NGLS_09			REVISION	ISSUE DATE 01/04/2021

ISO 9001 REGISTERED FIRM RICS chartered ices THE SURVEY ASSOCIATION

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Original Sheet Size A0H



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TOPOGRAPHICAL & MEASURED BUILDING SURVEYS

ABBREVIATIONS & SYMBOLS

AH	Arch Head Height	ER	Earth Rod	RSD	Roller Shutter Door
A/B	Air Brick	ET	EP+Transformer	RSJ	Rolled Steel Joist
AR	Assumed Route	FB	Flower Bed	SI	Sign Post
AV	Air Valve	FBD	Floor Board Direction	SP	Arch Spring Point Height
BB	Belisha Beacon	FH	Fire Hydrant	SV	Stop Valve
BH	Bore Hole	FL	Floor Level	SW	Surface Water
BL	Bed Level	FP	Flag Pole	SY	Cable Stay
BO	Bollard	FW	Foul Water	Tac	Tactile Paving
BrP	Brace Post	GG	Gully Grate	TC	Telecom Cover
BS	Bus Stop	GV	Gas Valve	TH	Trial Pit
BU	Bush	HH	Head Height	THL	Threshold Level
B/W	Barbed Wire Fence	IC	Inspection Cover	TL	Traffic Light
BX	Box (Utilities)	IL	Invert Level	ToW	Top of Wall
C/B	Close Board Fence	I/R	Iron Railings	TP	Telegraph Pole
CH	Cill Height	KO	Kerb Outlet	TS	Traffic Signal Cover
CL	Cover Level	LP	Lamp Post	TV	Cable TV Cover
C/L	Chain Link Fence	MH	Manhole	UB	Universal Beam
C-Lev	Ceiling Level	MP	Marker Post	UC	Unknown Cover
Col	Column	NB	Name Board	UK	Unknown Tree
C/P	Chestnut Paling Fence	OHL	Overhead Line (approx)	UMG	Unmade Ground
CR	Cable Riser	Pan	Panel Fence	USB	Under Side Beam
C/W	Chicken Wire	PB	Post Box	UTL	Unable To Lift
DC	Drainage Channel	PM	Parking Meter	UTS	Unable To Survey
DH	Door Head Height	PO	Post	VP	Vent Pipe
Dil.	Dilapidated	P/R	Post & Rail Fence	WB	Waste Bin
DP	Down Pipe	P/W	Post & Wire Fence	WH	Weep Hole
DR	Drain	P/Wall	Partition Wall	WL	Water Level
EBx	Electric Box	RE	Rodding Eye	WM	Water Meter
EC	Electric Supply Cover	RL	Ridge Level	WO	Wash Out
EL	Eaves Level	RP	Reflector Post	(X.XX)	Floor to Ceiling Height
EP	Electric Pole	RS	Road Sign	(X.XX) F/C	Floor to False Ceiling Ht
				△	Survey Control Station

DRAWING NOTES

Topographical Surveys

Trees are drawn to scale showing the average canopy spread. Descriptions and heights should be used as a guide only.

All building names, descriptions, number of storeys, construction type including roof line details are indicative only and taken externally from ground level.

All below ground details including drainage, voids and services have been identified from above ground and therefore all details relating to these features including; sizes, depth, description etc will be approximate only. All critical dimensions and connections should be checked and verified prior to starting work.

Detail, services and features may not have been surveyed if obstructed or not reasonably visible at the time of the survey.

Surveyed physical features may not necessarily represent the legal boundary line.

Measured Building Surveys

Measurements to internal walls are taken to the wall finishes at approx 1m above the floor level and the wall assumed to be vertical.

Cill heights are measured as floor to the cill and head heights are measured from cill to the top of window.

General

The contractor must check and verify all site and building dimensions, levels, utilities and drainage details and connections prior to commencing work. Any errors or discrepancies must be notified to Survey Solutions immediately.

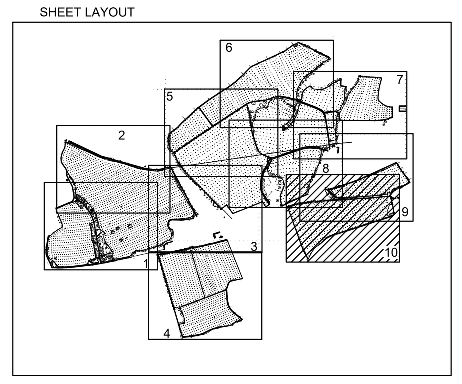
The accuracy of the digital data is the same as the plotting scale implies. All dimensions are in metres unless otherwise stated.

The survey control listed is only to be used for topographical surveys at the stated scale. All control must be checked and verified prior to use.

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Do not scale from this drawing.

SHEET LAYOUT



Not to scale

SURVEY CONTROL CO-ORDINATES

STATIONS	EASTINGS	NORTHINGS	LEVEL	DESCRIPTION
ST01	423472.787	415889.918	196.729	Nail in peg
ST02	423509.987	415806.191	198.229	Nail in peg
ST03	423374.505	415790.556	205.542	Nail in peg
ST04	423474.301	415980.340	190.334	Nail in peg
ST05	423578.307	415810.997	194.696	Nail in peg
ST06	423534.614	415627.916	197.986	PK Nail
ST07	423611.230	415642.652	194.955	PK Nail
ST08	423478.093	415619.235	200.458	PK Nail
ST09	423657.873	415746.920	191.730	Nail in peg
ST10	423789.279	415800.397	185.427	Nail in peg
ST11	423934.586	415837.562	181.545	Nail in peg
ST12	423903.855	415972.266	170.712	Nail in peg
ST13	423734.001	416033.403	174.218	Nail in peg
ST14	423609.267	416051.003	176.818	Nail in peg
ST15	424105.784	415729.908	187.110	Nail in peg
ST16	424029.110	415662.883	188.609	Nail in peg
ST17	423953.094	415686.411	187.069	Nail in peg
ST18	424022.538	415468.554	186.110	Nail in peg
ST19	424063.829	415376.107	182.191	Nail in peg
ST20	423958.492	415704.155	187.251	PK Nail
ST21	424623.034	415931.520	172.020	PK Nail
ST22	424647.000	415891.072	173.854	Nail in peg
ST23	424702.991	415861.479	171.697	Nail in peg
ST24	424687.553	415956.411	166.920	Nail in peg
ST25	424580.619	415979.486	168.699	PK Nail
ST26	424546.714	416162.264	158.249	Nail in peg
ST27	424395.990	416134.815	161.707	Nail in peg
ST28	424450.483	416021.394	171.208	Nail in peg
ST29	424371.466	415898.649	177.029	PK Nail
ST30	424497.140	415947.944	172.649	PK Nail
ST31	424283.040	416134.481	166.319	Nail in peg
ST32	424246.741	416206.469	158.623	Nail in peg
ST33	424235.693	415962.592	176.424	Nail in peg
ST34	424017.544	415988.332	178.688	Nail in peg
ST35	423976.367	416075.047	173.613	Nail in peg
ST36	423982.680	416181.648	166.526	Nail in peg
ST37	424083.225	416223.369	164.244	Nail in peg
ST38	424206.781	416363.770	147.647	Nail in peg
ST39	424326.723	416452.145	143.183	Nail in peg
ST40	424461.398	416381.318	138.464	Nail in peg
ST41	424495.100	416581.795	133.244	Nail in peg
ST42	424574.892	416322.456	140.524	Nail in peg
ST43	424768.811	416318.501	144.261	Nail in peg

SURVEY GRID AND LEVEL DATUM

The coordinate system established for this survey is related to Ordnance Survey (OS) national grid at a single point using Smartnet, then orientated to grid north with a scale factor of 1.000.

The level datum established for this survey is related to Ordnance Survey (OS) using GPS Smartnet.

To avoid discrepancies any coordinated data used in conjunction with this survey must be derived directly from this control data.

REV	DESCRIPTION	DRAWN	APPR	DATE

NORTH
Indicative

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GRANGE MOOR, WAKEFIELD, WF4 4AR

DRAWING DETAIL
TOPOGRAPHICAL SURVEY
Sheet 10 of 10

CLIENT				SCALE
BOOM POWER LTD				1:500
SURVEYOR	SURVEY DATE	CHECKED BY	APPROVED BY	DWG STATUS
SCP	10/03/2021	MM	RAG	FINAL
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31351NGLS_10				01/04/2021

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