TOPOGRAPHICAL & MEASURED BUILDING SURVEYS

ABBREVIATIONS & SYMBOLS

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

DRAWING NOTE

Topographical Surveys

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Do not scale from this drawing.

Sheet Template

20852ea-03

CONTROL CO-ORDINATES

STATIONS	EASTINGS	NORTHINGS	LEVEL	DESCRIPTION
ST01	547462.468	260998.996	7.136	PK Nail
ST02	547472.895	260896.091	6.360	PK Nail
ST03	547473.721	260771.093	6.579	PK Nail
ST04	547470.937	260652.860	6.387	PK Nail
ST05	547369.349	261005.042	7.408	PK Nail
ST07	547570.210	260914.597	7.012	PK Nail
ST08	547556.883	260922.683	7.018	PK Nail

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
A	EXTRA SURVEY WORK AND CONTOURS ADDED	KDS	JIA	19/01/2018

SURVEY SOLUTIONS

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www.survey-solutions.co.uk

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LAND SURVEYING BUILDING SURVEYING UNDERGROUND SURVEYING

PROJECT TITLE COWLEY ROAD, CAMBRIDGE, CB4 0WZ.				
DRAWING DETAIL TOPOGRAPHICAL SURVEY Sheet 3 of 14				
CLIENT BROOKGATE LAND LTD				SCALE 1:200
SURVEYOR RDS	SURVEY DATE 12/12/2017	CHECKED BY KJS	APPROVED BY JIA	DWG STATUS FINAL
DRAWING NUMBER 20852ea-03			REVISION A	ISSUE DATE 05/01/2018

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Original Sheet Size A0H

TOPOGRAPHICAL & MEASURED BUILDING SURVEYS

ABBREVIATIONS & SYMBOLS

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

DRAWING NOTE

Topographical Surveys

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Measured Building Surveys

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General

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Sheet Template

20852ea-04

CONTROL CO-ORDINATES

STATIONS	EASTINGS	NORTHINGS	LEVEL	DESCRIPTION
ST01	547462.468	260998.996	7.136	PK Nail
ST02	547472.895	260996.091	6.360	PK Nail
ST03	547473.721	260771.093	6.079	PK Nail
ST04	547470.937	260092.860	6.387	PK Nail
ST05	547469.349	261065.042	7.408	PK Nail
ST07	547575.210	260914.597	7.012	PK Nail
ST08	547558.883	260922.683	7.018	PK Nail

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.

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REV	DESCRIPTION	DRAWN	APPR	DATE
A	EXTRA SURVEY WORK AND CONTOURS ADDED	RDS	JJA	05/01/18

SURVEY SOLUTIONS

Ipswich Coventry Yeovil Norwich Perth Nottingham Brentwood

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www.survey-solutions.co.uk enquiries@survey-solutions.co.uk

LAND SURVEYING BUILDING SURVEYING UNDERGROUND SURVEYING

PROJECT TITLE: COWLEY ROAD, CAMBRIDGE, CB4 0WZ.				
DRAWING DETAIL: TOPOGRAPHICAL SURVEY Sheet 4 of 14				
CLIENT: BROOKGATE LAND LTD				SCALE: 1:200
SURVEYOR: RDS	SURVEY DATE: 12/12/2017	CHECKED BY: KJS	APPROVED BY: JJA	DWG STATUS: FINAL
DRAWING NUMBER: 20852ea-04			REVISION: A	ISSUE DATE: 05/01/2018

TOPOGRAPHICAL & MEASURED BUILDING SURVEYS

ABBREVIATIONS & SYMBOLS

AH	Arch Head Height	FH	Fire Hydrant	RSJ	Rolled Steel Joist
AR	Assumed Route	FBD	Floor Board Direction	SI	Sign Post
AV	Air Valve	FH	Fire Hydrant	SP	Arch Spring Point Height
BB	Belisha Beacon	FL	Floor Level	SV	Stop Valve
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BU	Bush	IC	Inspection Cover	THL	Threshold Level
B/W	Barbed Wire Fence	IL	Invert Level	TL	Traffic Light
BX	Box (Utilities)	IR	Iron Railings	ToW	Top of Weir
C/B	Close Board Fence	KO	Kerb Outlet	TP	Telegraph Pole
CH	Crl Height	LP	Lamp Post	TV	Cable TV Cover
CL	Cover Level	MH	Manhole	UB	Universal Beam
C/L	Chain Link Fence	MP	Marker Post	UC	Unknown Cover
C/Lev	Ceiling Level	MR	Metal Railing	UCB	Universal Column
Col	Column	OHL	Overhead Line (approx)	USB	Under Side Beam
C/P	Chestnut Paling Fence	Pan	Panel Fence	UTL	Unable To Lift
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EL	Eaves Level	P/Wall	Partition Wall	WO	Wash Out
EP	Electric Pole	RE	Rodding Eye		*Floor to Ceiling Height*
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FB	Flower Bed	RS	Road Sign		
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DRAWING NOTE

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Sheet Template

20852ea-05

CONTROL CO-ORDINATES

STATIONS	EASTINGS	NORTHINGS	LEVEL	DESCRIPTION
ST01	547452.468	260898.996	7.135	PK Nail
ST02	547472.895	260896.091	6.360	PK Nail
ST03	547473.721	260771.093	6.079	PK Nail
ST04	547503.937	260502.860	6.387	PK Nail
ST05	547399.349	261065.042	7.408	PK Nail
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A	EXTRA SURVEY WORK AND CONTOURS ADDED	RDS	JJA	19/01/2018

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LAND SURVEYING BUILDING SURVEYING UNDERGROUND SURVEYING

PROJECT TITLE COWLEY ROAD, CAMBRIDGE, CB4 0WZ.				
DRAWING DETAIL TOPOGRAPHICAL SURVEY Sheet 5 of 14				
CLIENT BROOKGATE LAND LTD				SCALE 1:200
SURVEYOR RDS	SURVEY DATE 12/12/2017	CHECKED BY KJS	APPROVED BY JJA	DWG STATUS FINAL
DRAWING NUMBER 20852ea-05			REVISION A	ISSUE DATE 05/01/2018

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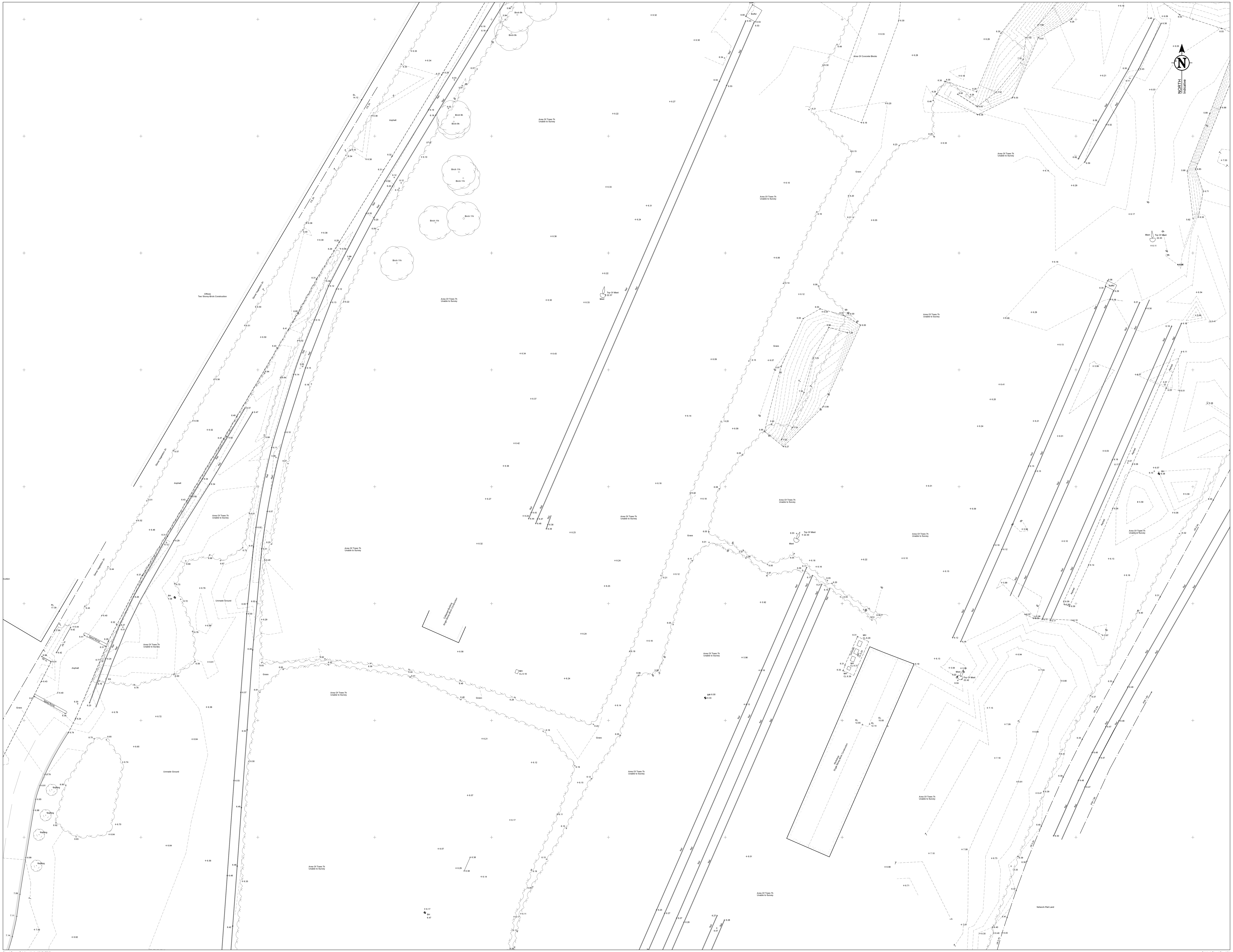
Original Sheet Size A0H



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REV	DESCRIPTION	DRAWN	APPR	DATE
A	EXTRA SURVEY WORK AND CONTOURS ADDED	RDS	JIA	19/01/2018

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LAND SURVEYING BUILDING SURVEYING UNDERGROUND SURVEYING

PROJECT TITLE COWLEY ROAD, CAMBRIDGE, CB4 0WZ.				
DRAWING DETAIL TOPOGRAPHICAL SURVEY Sheet 6 of 14				
CLIENT BROOKGATE LAND LTD				SCALE 1:200
SURVEYOR RDS	SURVEY DATE 12/12/2017	CHECKED BY KJS	APPROVED BY JIA	DWG STATUS FINAL
DRAWING NUMBER 20852ea-06			REVISION A	ISSUE DATE 05/01/2018