



EMAPSITE™

Site Details:
unspecified

Client Ref: EMS_976633_1214147
Report Ref: EMS-976633_1238451_1250_1_1
Grid Ref: 472611, 169061

Map Name: National Grid
Map date: 1983-1988
Scale: 1:1,250
Printed at: 1:2,000



Surveyed 1951 Revised 1988 Edition N/A Copyright 1988 Levelled 1951	Surveyed 1958 Revised 1984 Edition N/A Copyright 1986 Levelled 1973
Surveyed 1982 Revised 1982 Edition N/A Copyright 1983 Levelled 1973	



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Client Ref: EMS_976633_1214147
Report Ref: EMS-976633_1238451_1250_1_1
Grid Ref: 472611, 169061

Map Name: National Grid
Map date: 1994
Scale: 1:1,250
Printed at: 1:2,000



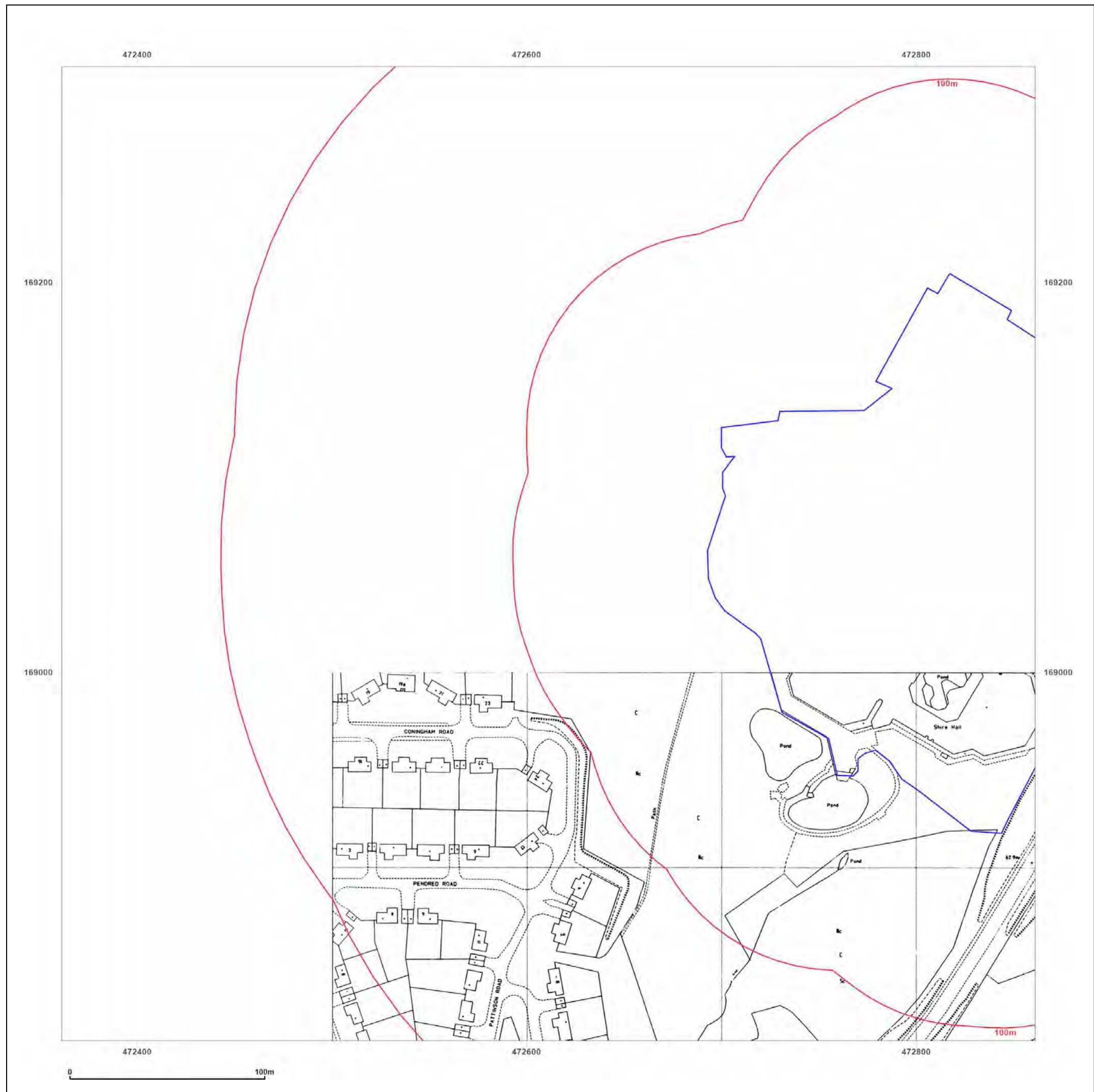
Surveyed 1994 Revised 1994 Edition N/A Copyright N/A Levelled N/A	Surveyed 1994 Revised 1994 Edition N/A Copyright N/A Levelled N/A
Surveyed N/A Revised N/A Edition N/A Copyright 1994 Levelled N/A	Surveyed 1994 Revised 1994 Edition N/A Copyright N/A Levelled N/A



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Grid Ref: 472611, 169061

Map Name: National Grid
Map date: 1994
Scale: 1:1,250
Printed at: 1:2,000

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Client Ref: EMS_976633_1214147
Report Ref: EMS-976633_1238451_1250_2_1
Grid Ref: 473111, 169061

Map Name: National Grid

Map date: 1959

Scale: 1:1,250

Printed at: 1:2,000



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Client Ref: EMS_976633_1214147
Report Ref: EMS-976633_1238451_1250_2_1
Grid Ref: 473111, 169061

Map Name: National Grid

Map date: 1973

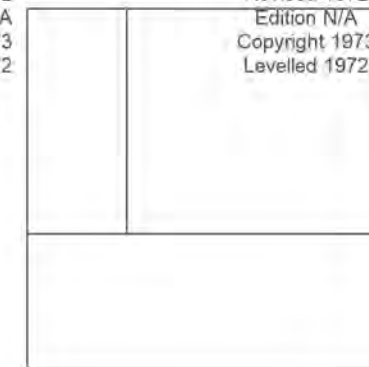
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Printed at: 1:2,000



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Levelled 1972

Surveyed 1958
Revised 1972
Edition N/A
Copyright 1973
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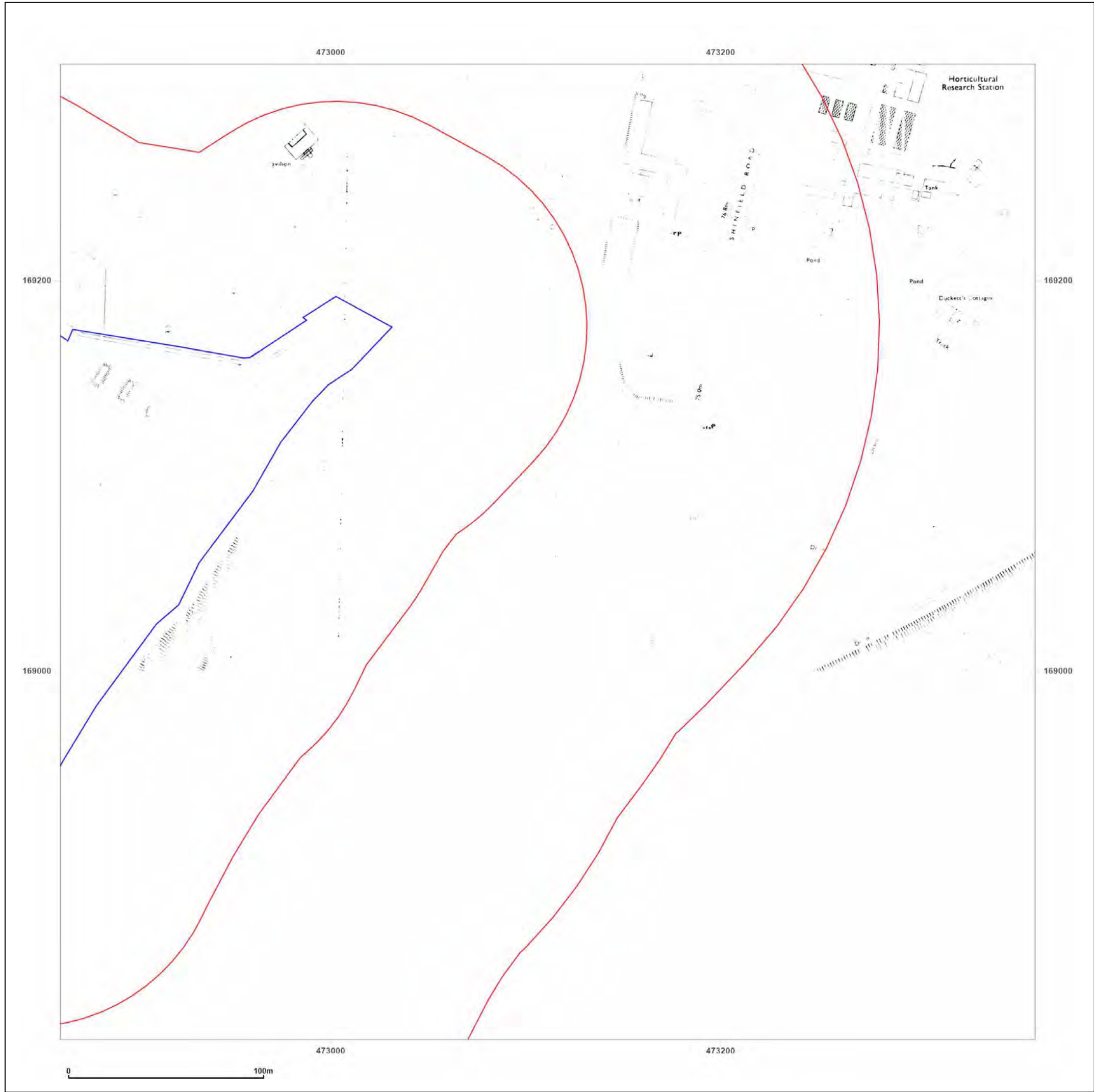


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Client Ref: EMS_976633_1214147
Report Ref: EMS-976633_1238451_1250_2_1
Grid Ref: 473111, 169061

Map Name: National Grid
Map date: 1974
Scale: 1:1,250
Printed at: 1:2,000



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Levelled N/A	Levelled N/A



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Report Ref: EMS-976633_1238451_1250_2_1
Grid Ref: 473111, 169061

Map Name: National Grid

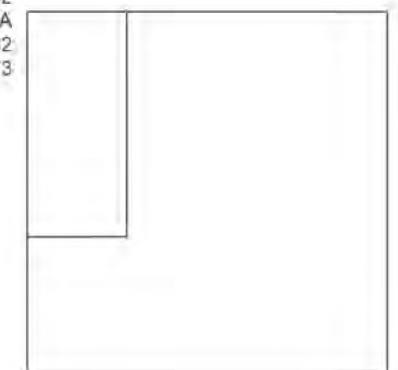
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Scale: 1:1,250

Printed at: 1:2,000



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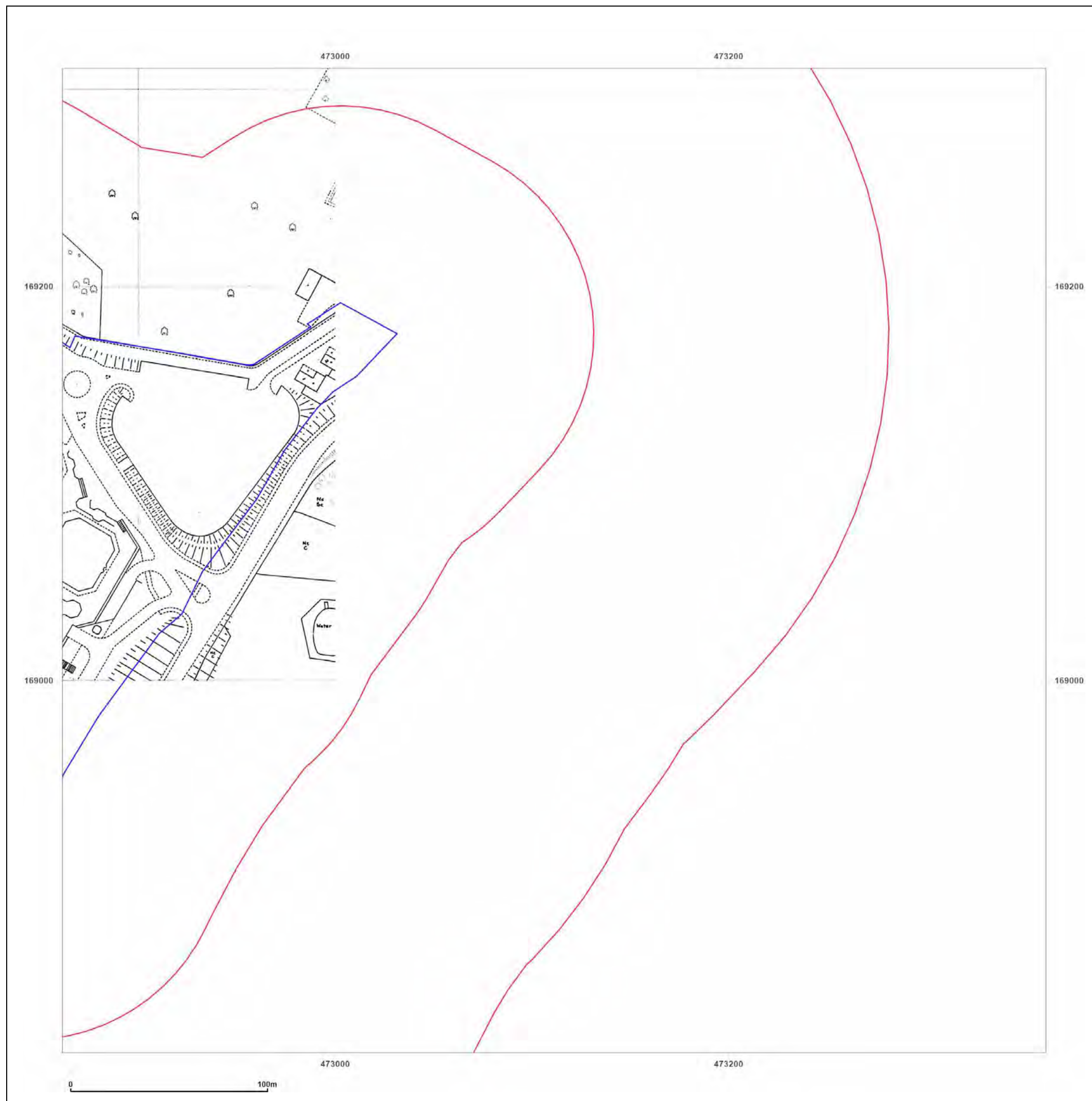


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Client Ref: EMS_976633_1214147
Report Ref: EMS-976633_1238451_1250_2_1
Grid Ref: 473111, 169061

Map Name: National Grid
Map date: 1989-1994
Scale: 1:1,250
Printed at: 1:2,000



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Client Ref: EMS_976633_1214147
Report Ref: EMS-976633_1238451_1250_2_1
Grid Ref: 473111, 169061

Map Name: National Grid
Map date: 1986-1994
Scale: 1:1,250
Printed at: 1:2,000



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Surveyed N/A Revised N/A Edition N/A Copyright 1994 Levelled N/A	



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Client Ref: EMS_976633_1214147
Report Ref: EMS-976633_1238451_1250_2_1
Grid Ref: 473111, 169061

Map Name: National Grid

Map date: 1994

Scale: 1:1,250

Printed at: 1:2,000



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Site Details:
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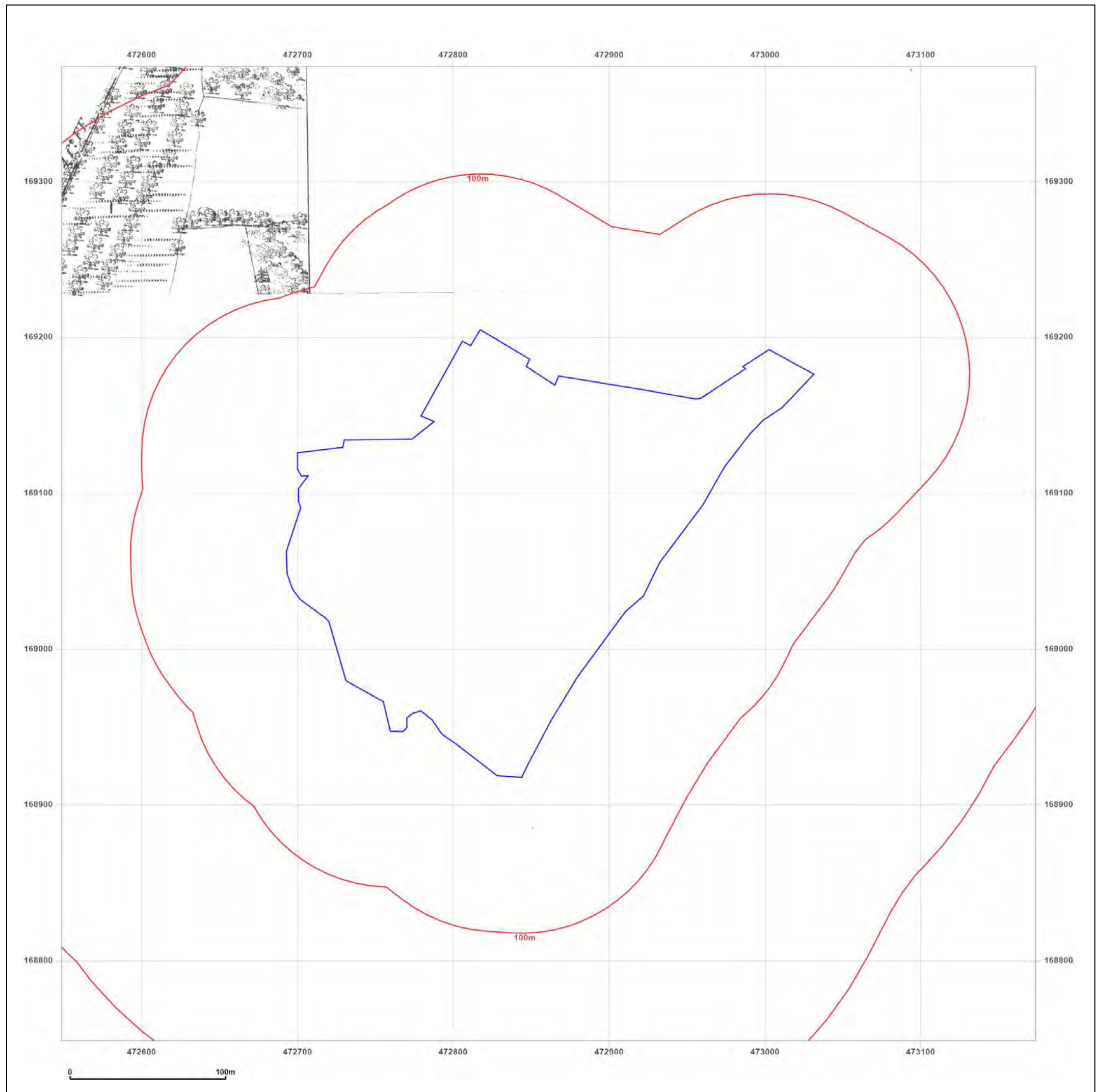
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Grid Ref: 473111, 169061

Map Name: National Grid
Map date: 1994
Scale: 1:1,250
Printed at: 1:2,000



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Client Ref: EMS_976633_1214147
Report Ref: EMS-976633_1238451_2500
Grid Ref: 472861, 169061

Map Name: County Series

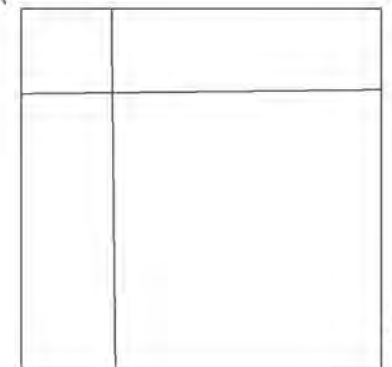
Map date: 1872

Scale: 1:2,500

Printed at: 1:2,500



Surveyed 1872
Revised 1872
Edition N/A
Copyright N/A
Levelled N/A



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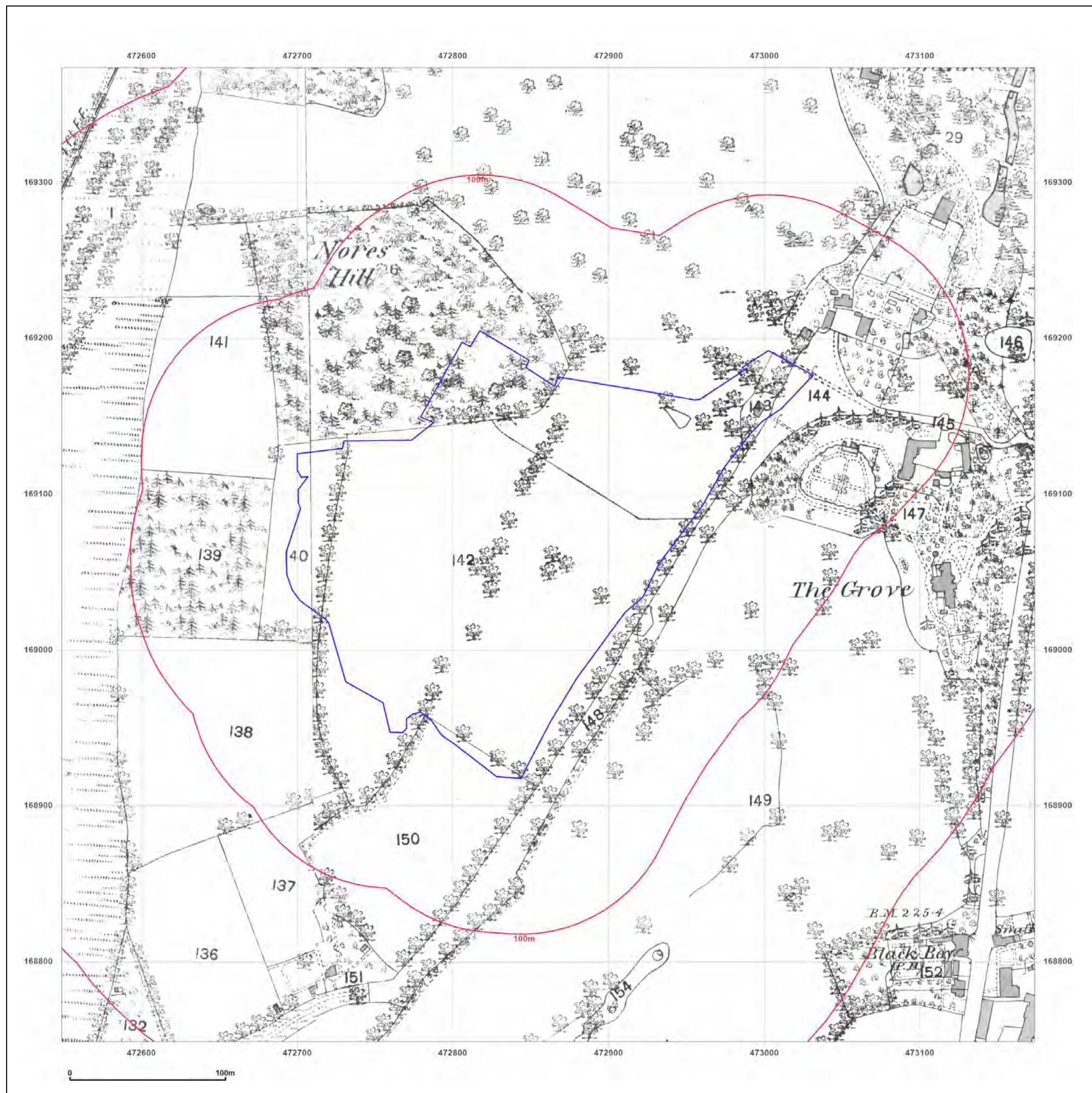


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Site Details:
unspecified

Client Ref: EMS_976633_1214147
Report Ref: EMS-976633_1238451_2500
Grid Ref: 472861, 169061

Map Name: County Series
Map date: 1872-1877
Scale: 1:2,500
Printed at: 1:2,500

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Surveyed 1877
Revised 1877
Edition N/A
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Surveyed 1872
Revised 1872
Edition N/A
Copyright N/A
Levelled N/A

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Revised 1872
Edition N/A
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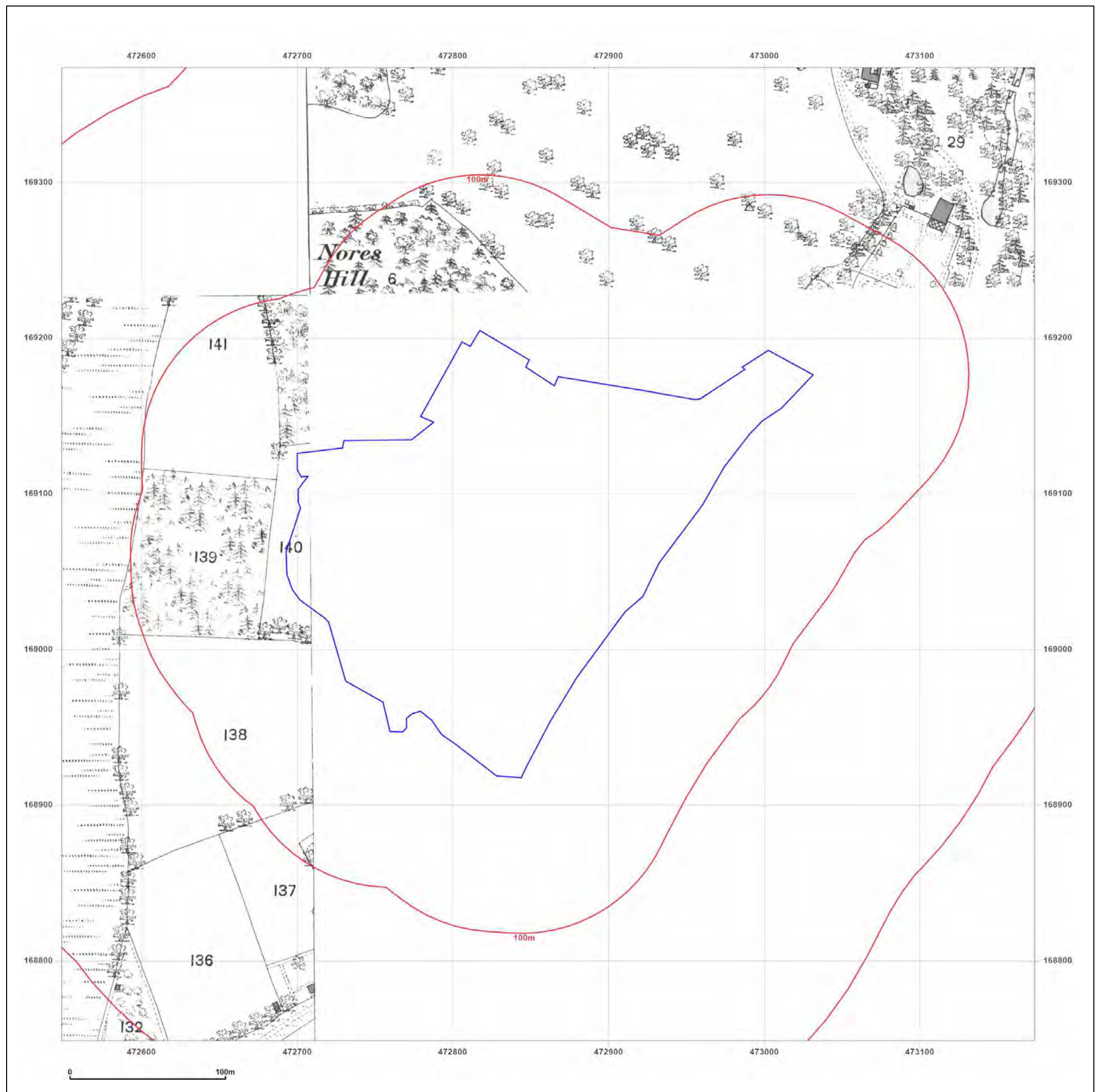
Surveyed 1872
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Client Ref: EMS_976633_1214147
Report Ref: EMS-976633_1238451_2500
Grid Ref: 472861, 169061

Map Name: County Series

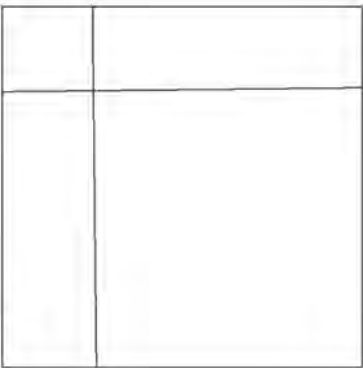
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Scale: 1:2,500

Printed at: 1:2,500



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Revised 1879
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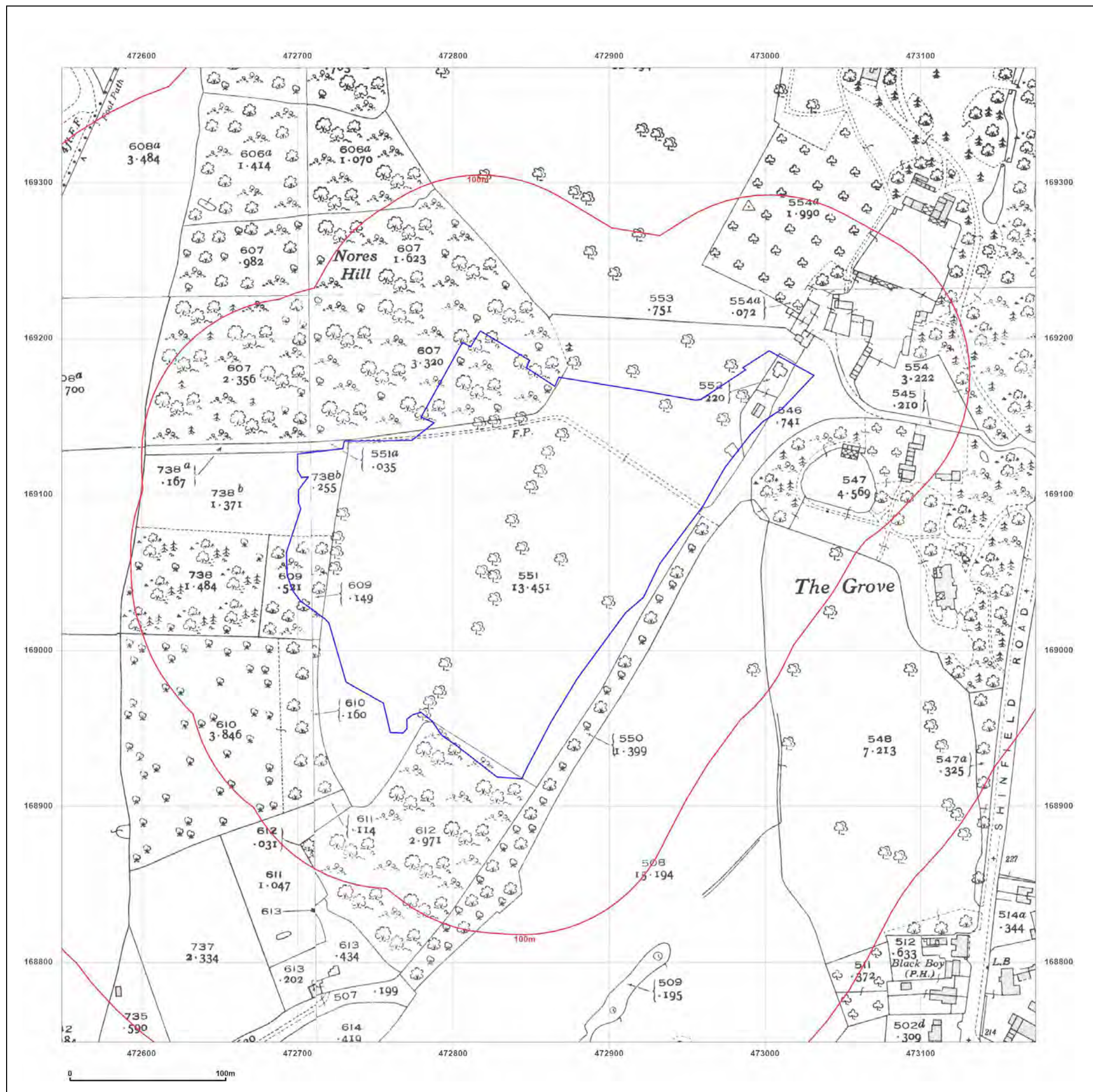


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Client Ref: EMS_976633_1214147
Report Ref: EMS-976633_1238451_2500
Grid Ref: 472861, 169061

Map Name: County Series

Map date: 1936-1937

Scale: 1:2,500

Printed at: 1:2,500



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Surveyed 1936
Revised 1936
Edition N/A
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Levelled N/A

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Revised 1936
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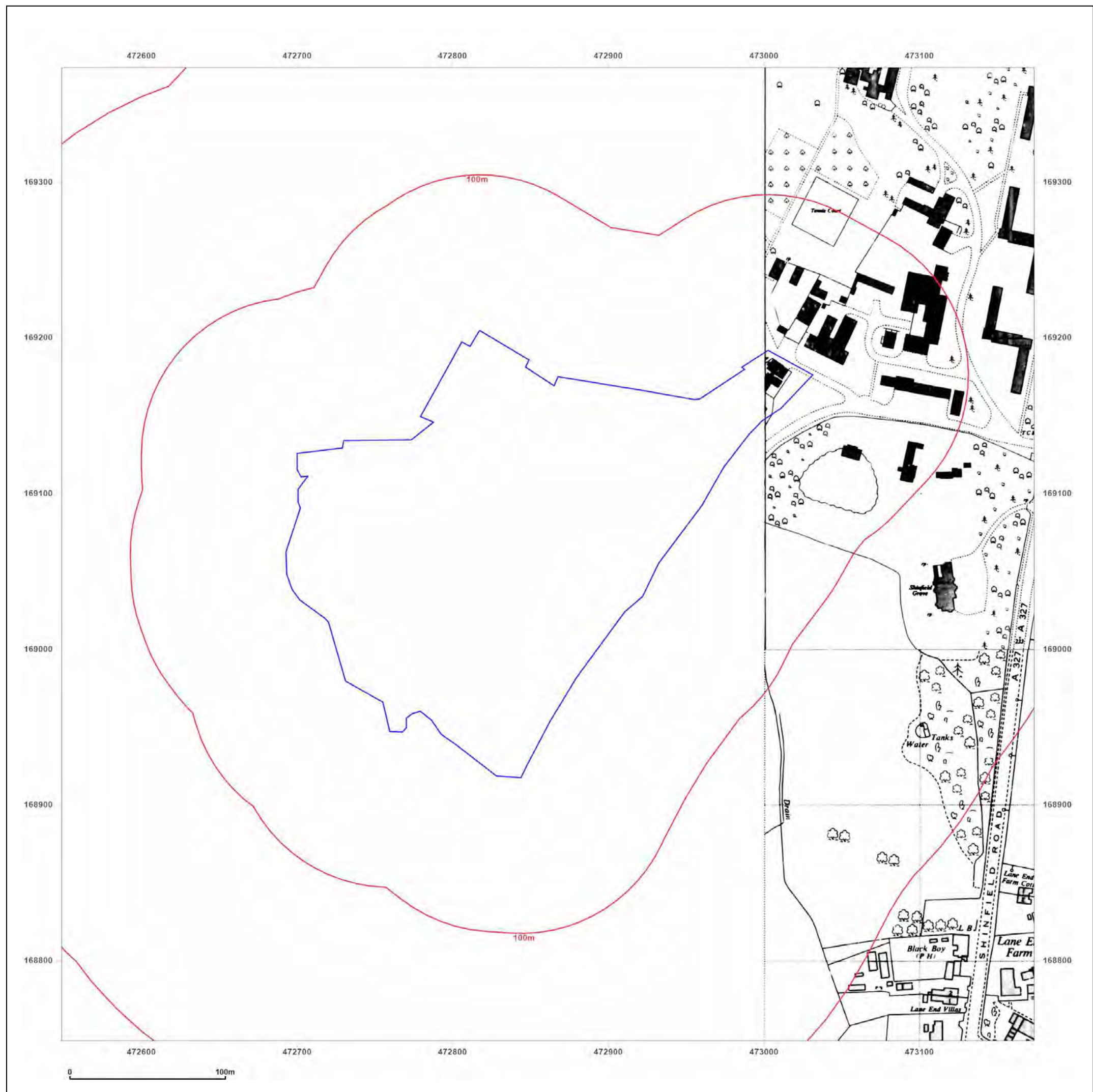


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unspecified

Client Ref: EMS_976633_1214147
Report Ref: EMS-976633_1238451_2500
Grid Ref: 472861, 169061

Map Name: National Grid

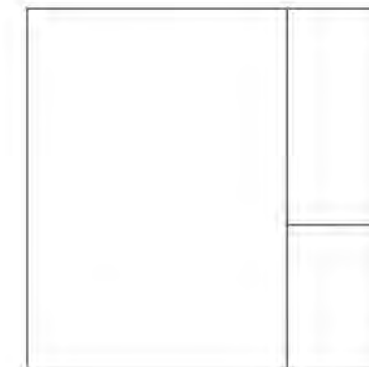
Map date: 1965-1966

Scale: 1:2,500

Printed at: 1:2,500



Surveyed N/A
Revised N/A
Edition N/A
Copyright N/A
Levelled N/A



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Site Details:

unspecified

Client Ref: EMS_976633_1214147
Report Ref: EMS-976633_1238451_2500
Grid Ref: 472861, 169061

Map Name: National Grid

Map date: 1965-1966

Scale: 1:2,500

Printed at: 1:2,500



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Revised 1965
Edition 1965
Copyright 1965
Levelled 1951

Surveyed 1965
Revised 1965
Edition N/A
Copyright 1966
Levelled 1958



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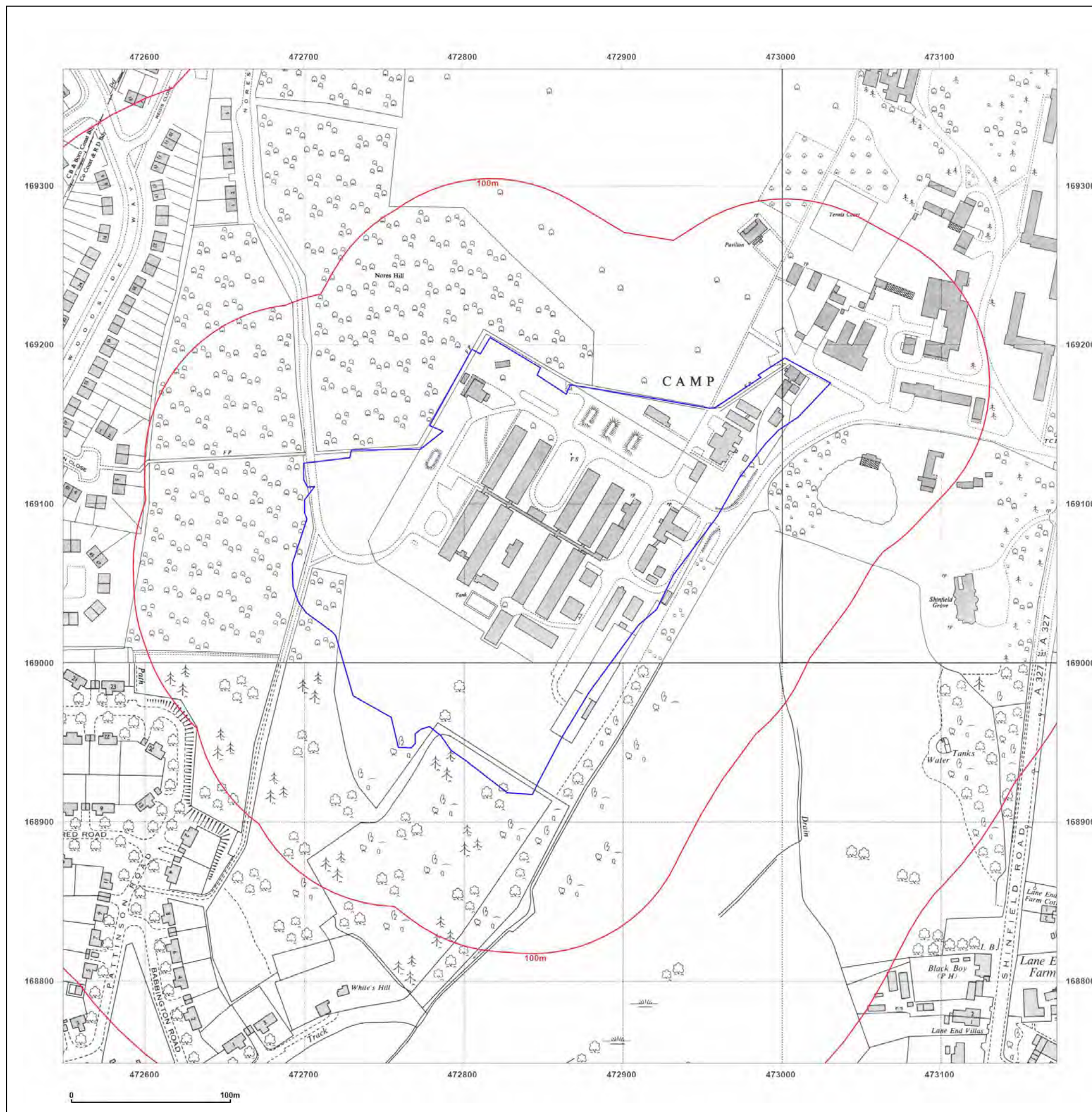


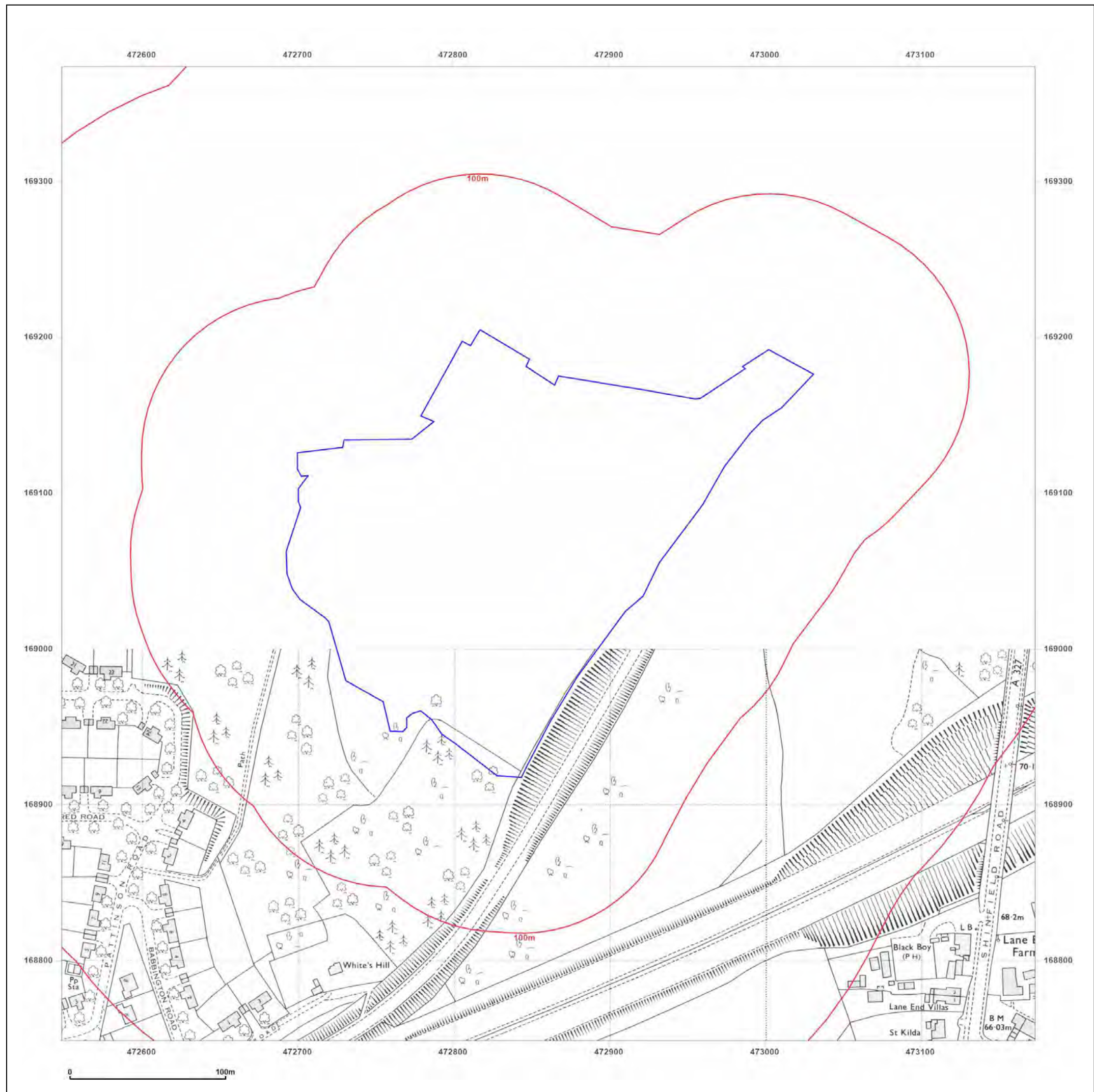
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Site Details:

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Client Ref: EMS_976633_1214147
Report Ref: EMS-976633_1238451_2500
Grid Ref: 472861, 169061

Map Name: National Grid

Map date: 1975

Scale: 1:2,500

Printed at: 1:2,500



Surveyed 1974
Revised 1974
Edition N/A
Copyright 1975
Levelled 1973



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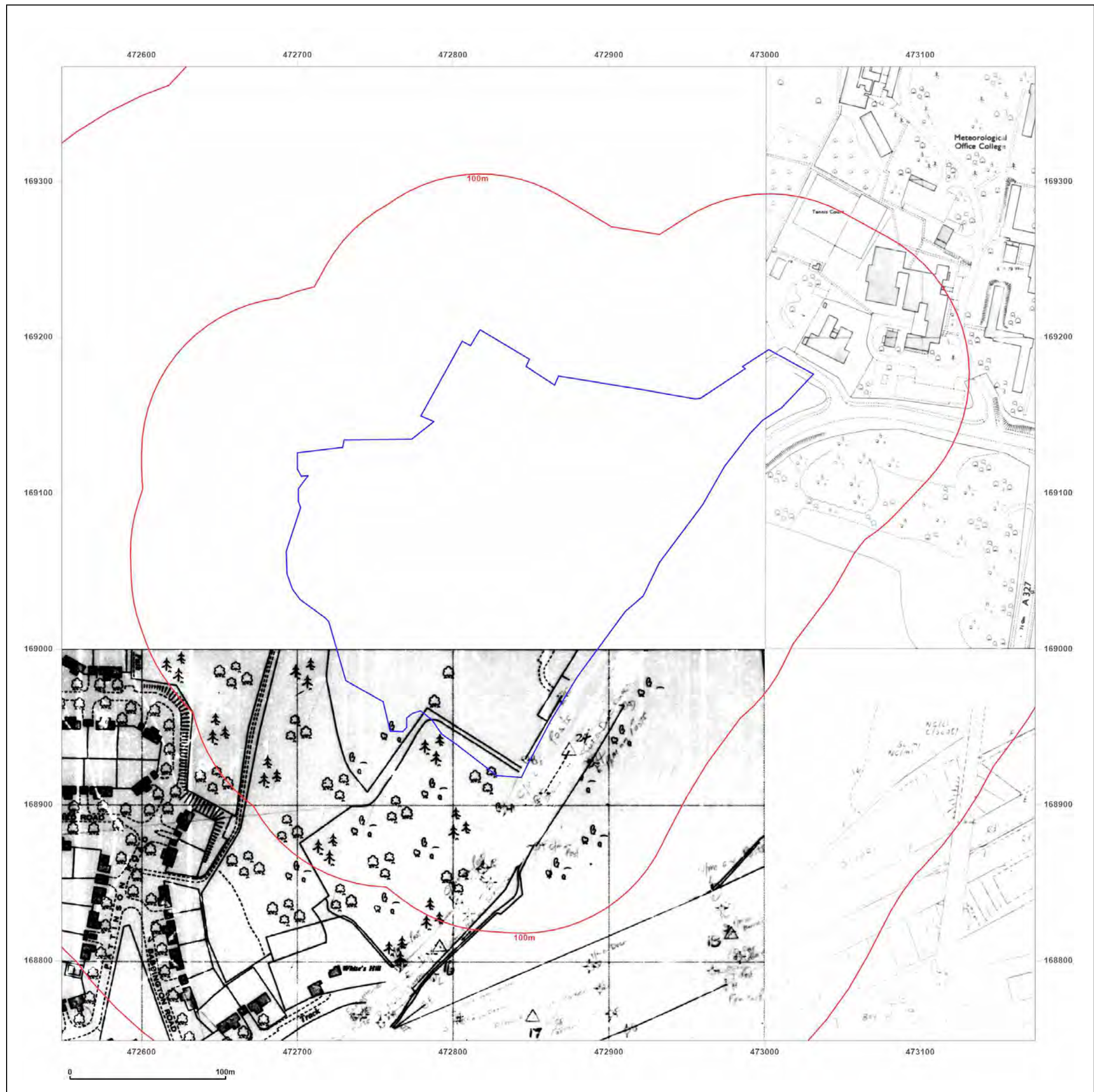


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Site Details:
unspecified

Client Ref: EMS_976633_1214147
Report Ref: EMS-976633_1238451_2500
Grid Ref: 472861, 169061

Map Name: National Grid
Map date: 1972-1975
Scale: 1:2,500
Printed at: 1:2,500

Surveyed 1975
Revised 1975
Edition N/A
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Surveyed N/A
Revised N/A
Edition N/A
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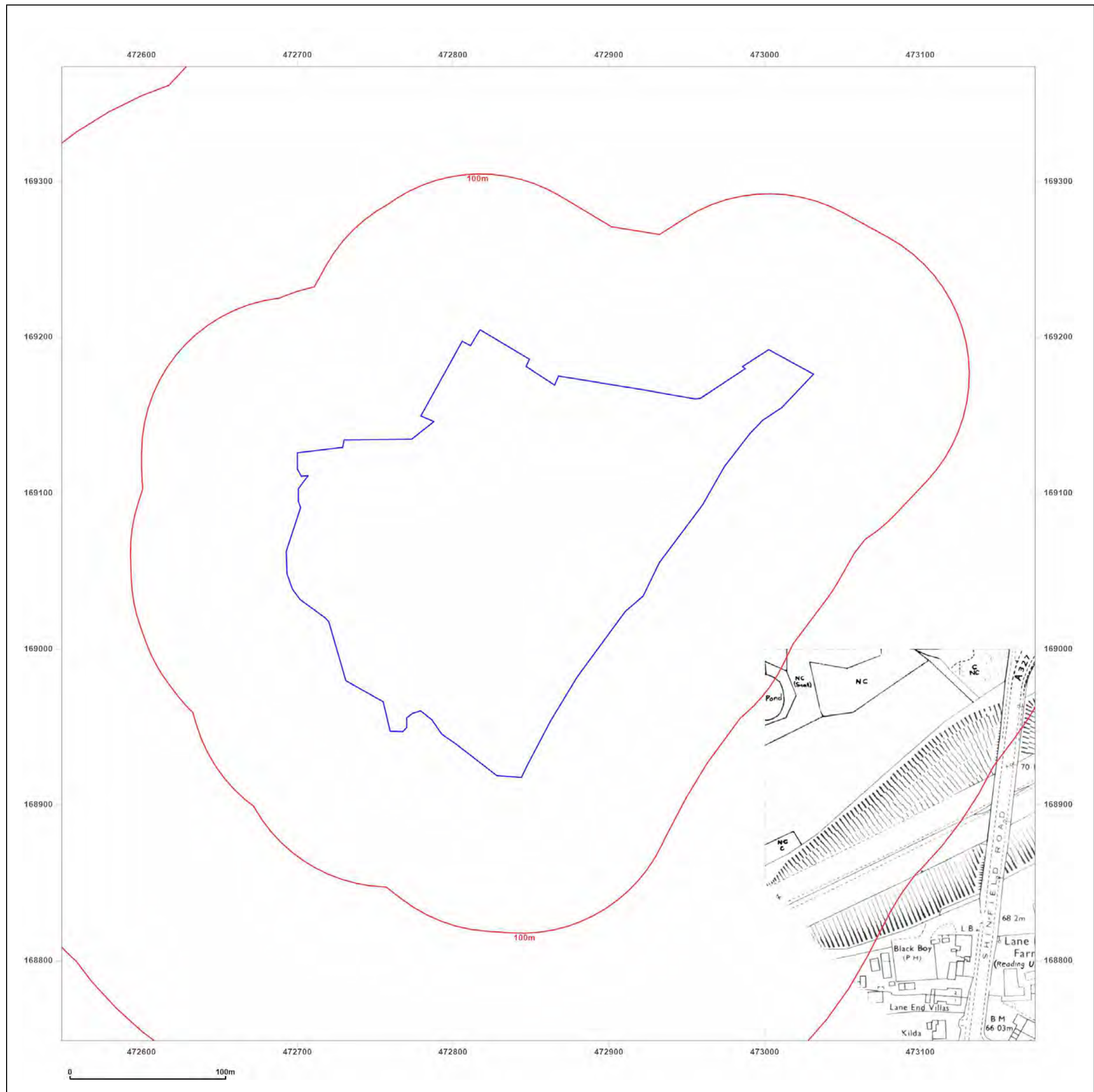
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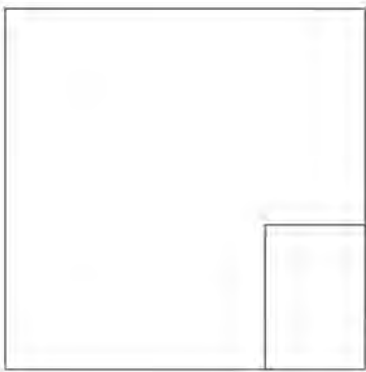
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Report Ref: EMS-976633_1238451_2500
Grid Ref: 472861, 169061

Map Name: National Grid

Map date: 1989

Scale: 1:2,500

Printed at: 1:2,500



Surveyed 1973
Revised 1989
Edition N/A
Copyright 1989
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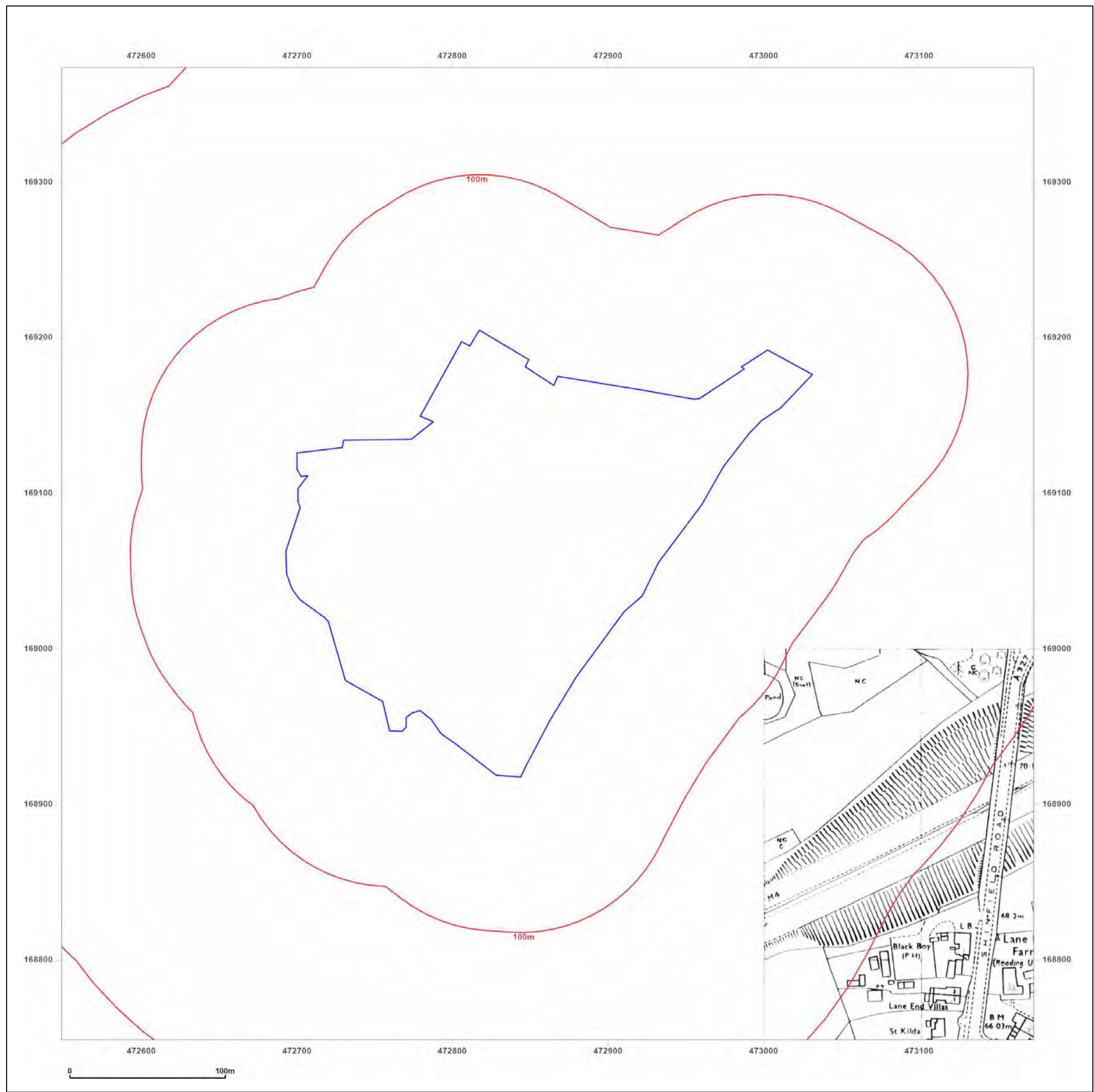


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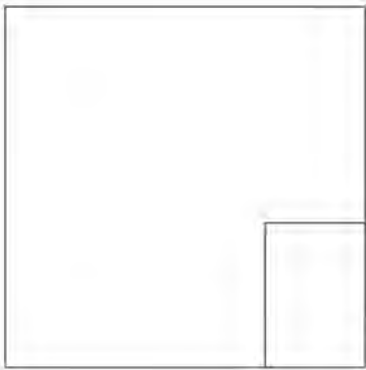
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Grid Ref: 472861, 169061

Map Name: National Grid

Map date: 1989

Scale: 1:2,500

Printed at: 1:2,500



Surveyed 1973
Revised 1989
Edition N/A
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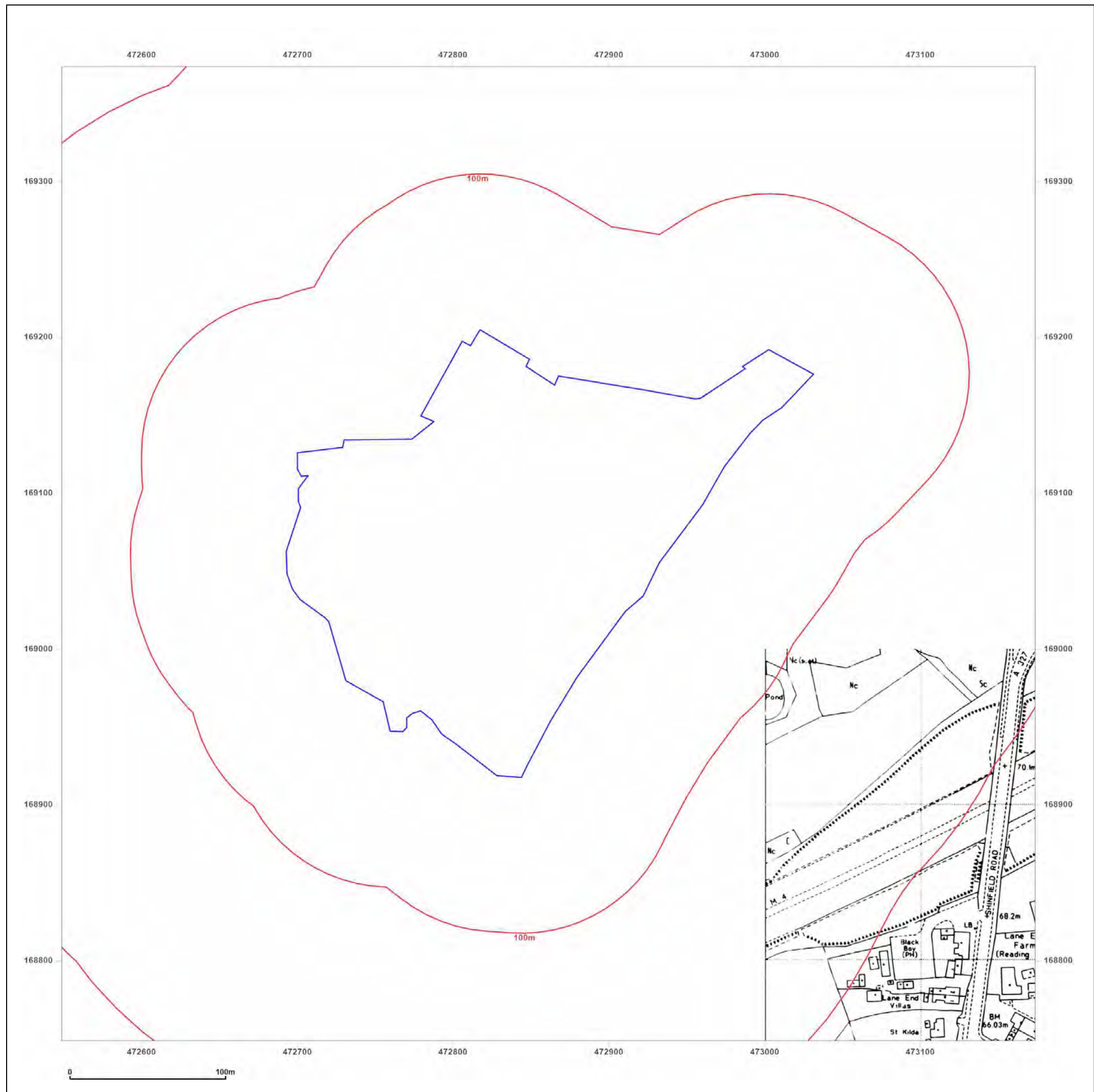


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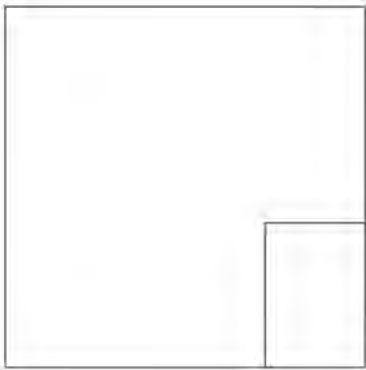
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Report Ref: EMS-976633_1238451_2500
Grid Ref: 472861, 169061

Map Name: National Grid

Map date: 1994

Scale: 1:2,500

Printed at: 1:2,500



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Site Details:

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Client Ref: EMS_976633_1214147
Report Ref: EMS-976633_1238451_Landline_1_1
Grid Ref: 472711, 169061

Map Name: LandLine

Map date: 2003

Scale: 1:1,250

Printed at: 1:1,250



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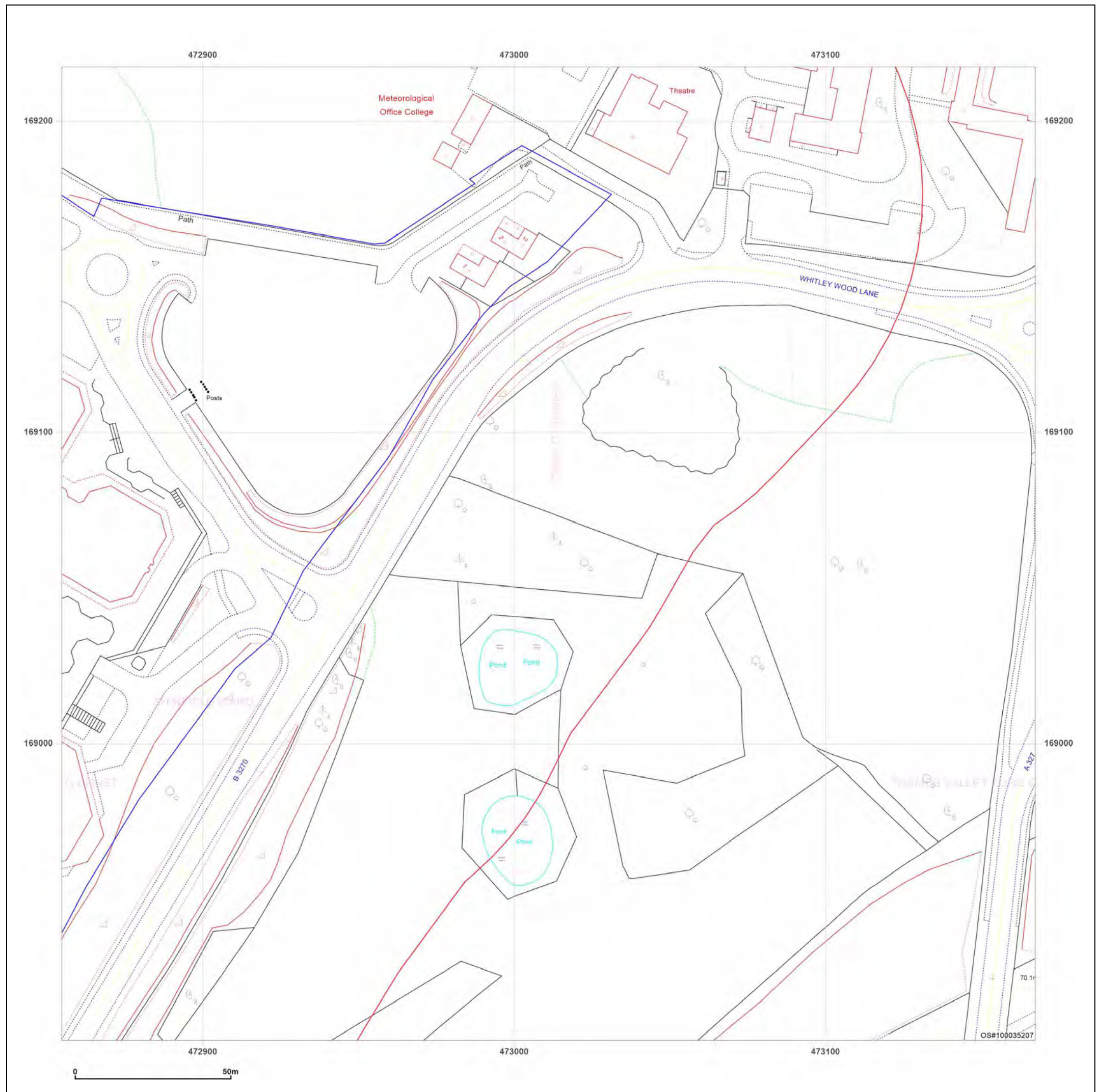
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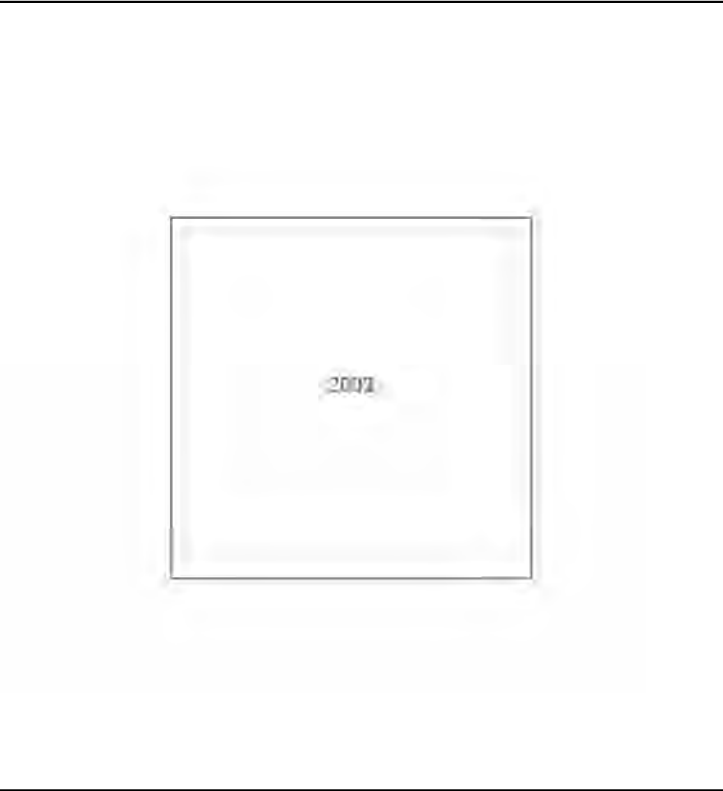


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Site Details:
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Report Ref: EMS-976633_1238451_Landline_2_1
Grid Ref: 473011, 169061

Map Name: LandLine
Map date: 2003
Scale: 1:1,250
Printed at: 1:1,250



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Appendix D Borehole Data



 Site Boundary
 Locations
 Windowless sampling

NOTES	COPYRIGHT NOTES Google Imagery January 2024			REVISIONS			Work.Life, 20 Red Lion St, London WC1R 4PQ		TITLE EXPLORATORY HOLE LOCATION PLAN	
									TRC PROJECT NO. 610344	SCALE 1,500:1
	P01	FIRST ISSUE			CLIENT WRENBRIDGE LLP		PURPOSE OF ISSUE SUITABLE FOR INFORMATION	STATUS		
		Initials	TS	4/7/2024						
	REV.	REVISION NOTES/COMMENTS			PROJECT SHINFIELD PARK, READING		DRAWING NO FIGURE 03	REVISION PO1		
Initials										

Composite Materials and Lithology

Legend	Code	Description	Legend	Code	Description
	101	Topsoil		730	Boulders
	102	Made Ground or Fill		801	Mudstone
	103	Asphalt		802	Siltstone
	104	Concrete		803	Sandstone
	201	Clay		804	Limestone or Dolomite
	301	Silt		805	Chalk
	401	Sand		806	Coal
	501	Gravel		807	Breccia
	601	Peat		808	Conglomerate
	701	Cobbles		809	Fine Grained Igneous

Backfill

Legend	Code	Description	Legend	Code	Description
	901	Sand Filter		902 908	Gravel Filter Ballast
	903	Bentonite		904	Grout
	905	Arisings		906 912	Concrete Paving Slab
	907	Asphalt		999	Void

NB: Composite soil types are represented by combined legends. Each type will have its own code within the AGS data.

In-Situ Testing

Prefix	Type	Comments
SPT(S)	Standard Penetration Test	Uncorrected test results at relevant start depth. Hammer ID and Energy Ratio reported on log and in relevant AGS fields
SPT(C)	(S) Split Spoon (C) Solid Cone	
HV	Hand Vane Test	Undrained Shear Strength reported in kPa.
PP	Hand Penetrometer Test	Unconfined Compressive Strength reported in kPa
PID	On-Site Volatile Headspace Testing by Photo Ionization Detector	Screening reported as ppmv. Headspace testing undertaken as per contract documents
PPM	In-Situ Permeability Test	Permeability (k) reported in m/s. Please refer to individual test sheets for data and methodology

Sampling

Prefix	Type	Comments
D	Small Disturbed Sample	Nominally 1kg
B	Bulk Disturbed Sample	Nominally 5kg
LB	Large Bulk Disturbed Sample	25kg to 60kg depending on material type, for compaction related tests
U	Undisturbed sample - thick wall driven tube	For CP, nominally 100mm diameter, 450mm length. For WS, nominally 38mm diameter, 100mm length. Blows to drive tube and recovery found in remarks
UT	Undisturbed Sample – Thin wall driven tube	Nominally 100mm diameter, 450mm length. Blows to drive tube and recovery found in remarks
P	Pushed piston sample	Nominally 100mm diameter, 1000mm length. Recovery found in remarks
C	Core sample	-
AMAL	Amalgamated Sample	Details of samples used noted in remarks as well as relevant AGS field
W	Water sample	Not for environmental testing purposes
ES	Environmental sample	Multiple containers used where appropriate
EW	Environmental water sample	Multiple containers used where appropriate

Installations

Legend	Description
	Piezometer Plain Pipe
	Piezometer Slotted Pipe

Water Observations

Legend	Description
	Water strike
	Standing water level after specified time

Details are provided on each log through the Water Strike Table

Rotary Boreholes:

T.C.R. - Total Core Recovery %
 S.C.R. - Solid Core Recovery %
 R.Q.D. - Rock Quality Designation %
 F.I. - Fracture Index

All soil and rock descriptions in general accordance with BS5930, BS EN ISO 14688 and BS EN ISO 14689

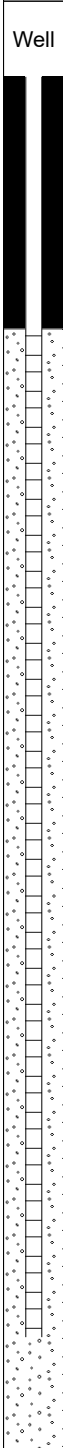
[illegible]

Hole Diameter		Casing Diameter		Chiselling				Inclination and Orientation			
Depth Base	Diameter	Depth Base	Diameter	Depth Top	Depth Base	Duration	Tool	Depth Top	Depth Base	Inclination	Orientation
1.00	102										
2.00	87										
3.00	75										
4.00	67										
5.45	56										

1. Hand pitted to 1.00m bgl.
2. No groundwater encountered.
3. Hole terminated at target depth of 5.45m bgl
4. Response zone of install between 1.00m and 5.00m bgl.





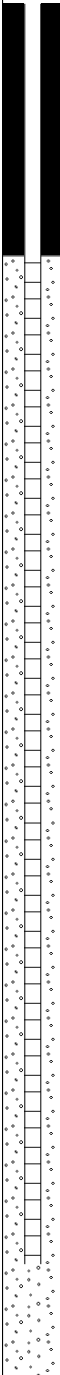
Well	Water Strikes	Sample and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description		
		Depth (m)	Type	Results						
					0.08	73.53		Grey bituminous surfacing.		
					0.13	73.47		Light grey concrete.		
					0.30	73.30		MADE GROUND: Orangeish brown very gravelly SAND. Sand is fine to coarse grained. Gravel is angular to rounded, fine to coarse grained. Gravel consists of Type 1, bitumen and concrete.		
		0.50	B		0.55	73.05		MADE GROUND: Brown silty clayey sandy GRAVEL. Sand is fine to coarse grained. Gravel is very angular to sub-angular, fine to coarse grained. Gravel consists of Type 1 and flint.		
		0.50	ES							
		0.50	PID	PID=0.00						
		0.90	ES							
		1.00	PP	307.00						1
		1.00	SPT	N=7 (1,1/1,2,2,2)					Firm becoming stiff light brown slightly sandy silty CLAY. Sand is fine to medium grained. [LONDON CLAY FORMATION].	
		1.20	D							
		1.20	PID	PID=0.00						
		1.75	PP	235.00						
		2.00	B							2
		2.00	D						Becoming stiff	
		2.00	SPT	N=15 (2,2/3,3,4,5)						
		2.00	PID	PID=0.00						
		2.50	PP	326.00						
		3.00	D							3
		3.00	PP	235.00						
		3.00	SPT	N=11 (2,2/2,3,3,3)						
		3.00	PID	PID=0.00						
		3.50	PP	307.00	3.50	70.10			Stiff brown silty CLAY. [LONDON CLAY FORMATION]	
4.00	D							4		
4.00	PP	228.00								
4.00	SPT	N=15 (2,2/3,3,4,5)								
4.00	PID	PID=0.00								
4.50	PP	245.00								
5.00	D							5		
5.00	SPT	N=15 (2,3/4,4,3,4)								
5.00	PID	PID=0.00								
			5.45	68.15						
							End of Borehole at 5.450m			
								6		

[illegible]

1. Hand pitted to 1.00m bgl.
2. Seepage encountered at 0.20m bgl.
3. Hole terminated at target depth of 5.45m bgl
4. Response zone of install between 1.00m and 5.00m bgl.





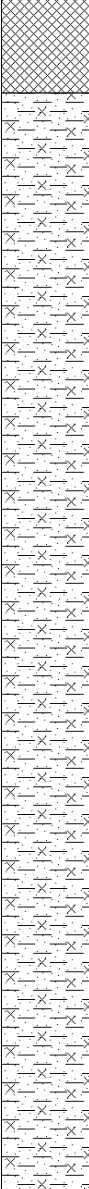
Well	Water Strikes	Sample and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description	
		Depth (m)	Type	Results					
					0.08	79.24		Light grey concrete and brick paving.	
		0.20	ES		0.30	79.02		MADE GROUND: Yellow fine to coarse grained SAND.	
					0.50	78.82		MADE GROUND: Brown very gravelly SAND. Sand is fine to coarse grained, Gravel is very angular to sub-angular, fine to coarse grained. Gravel consists of Type 1, concrete and flint.	
								MADE GROUND: Brown slightly gravelly CLAY. Gravel is very angular to sub-angular, fine to coarse grained. Gravel consists of claystone and flint.	
		1.00	SPT	N=7 (1,1/1,2,2,2)					1
		1.10	ES		1.10	78.22			
		1.20	D						
		1.20	PID	PID=0.00					
		1.25	PP	245.00					
		1.50	PP	235.00					
		1.75	PP	241.00					
		2.00	D						2
		2.00	SPT	N=12 (1,2/3,2,3,4)					
		2.00	PID	PID=0.00					
		2.25	PP	248.00					
		2.50	B						
		2.50	PP	245.00					
		2.50	PID	PID=0.00					
		2.75	PP	241.00					
		3.00	D						3
		3.00	SPT	N=15 (2,2/3,3,4,5)					
		3.00	PID	PID=0.00					
		3.25	PP	245.00					
		3.50	PP	274.00					
		3.75	PP	277.00					
	4.00	D						4	
	4.00	SPT	N=14 (2,2/3,3,4,4)						
	4.00	PID	PID=0.00						
	4.25	PP	205.00						
	4.50	PP	307.00						
	4.75	PP	228.00						
	5.00	D						5	
	5.00	SPT	N=19 (3,3/4,4,5,6)						
	5.00	PID	PID=0.00						
				5.45	73.87				
								6	

Hole Diameter		Casing Diameter		Chiselling				Inclination and Orientation			
Depth Base	Diameter	Depth Base	Diameter	Depth Top	Depth Base	Duration	Tool	Depth Top	Depth Base	Inclination	Orientation
1.00	102										
2.00	87										
3.00	75										
4.00	67										
5.45	56										

1. Hand pitted to 1.00m bgl.
2. No groundwater encountered.
3. Hole terminated at target depth of 5.45m bgl
4. Response zone of install between 1.00m and 5.00m bgl.





Well	Water Strikes	Sample and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description			
		Depth (m)	Type	Results							
					0.08	76.09		Brown concrete.	1 – – – 2 – – 3 – – 4 – 5 – 6 –		
					0.30	75.86		MADE GROUND: Yellowish brown clayey sandy GRAVEL. Sand is fine to coarse grained, Gravel is very angular to sub-rounded, fine to coarse grained. Gravel consists of flint.			
		0.50	ES					MADE GROUND: Dark grey slightly sandy slightly gravelly CLAY. Sand is fine to coarse grained. Gravel is angular to sub-rounded, fine grained. Gravel consists of flint.			
		0.80	B	PID=0.00	1.10	75.06					
		0.80	PID								
		1.00	SPT	N=5 (1,1/1,1,1,2)							
		1.20	D	PID=0.00				Firm to stiff brown slightly sandy silty CLAY. Sand is fine grained. [LONDON CLAY FORMATION].			
		1.20	PID								
		1.40	ES								
		2.00	D								
		2.00	PP	254.00							
		2.00	SPT	N=9 (1,2/2,2,2,3)							
		2.00	PID	PID=0.00							
		2.25	PP	248.00							
		2.50	PP	290.00							
		2.75	PP	307.00							
		3.00	D								
		3.00	PP	323.00							
		3.00	SPT	N=11 (2,2/3,2,3,3)							
		3.00	PID	PID=0.00							
		3.25	PP	261.00							
		3.50	PP	261.00							
		3.75	PP	268.00							
		4.00	D								
		4.00	SPT	N=16 (2,3/3,3,4,6)							
4.00	PID	PID=0.00									
4.25	PP	215.00									
4.50	B										
4.50	PP	251.00									
4.75	PP	196.00									
5.00	D										
5.00	SPT	N=18 (2,3/4,4,5,5)									
5.00	PID	PID=0.00									
				5.45	70.71		End of Borehole at 5.450m				

[illegible]

1. Hand pitted to 1.00m bgl.
2. No groundwater encountered.
3. Hole terminated at target depth of 5.45m bgl
4. No installation was performed and hole was backfilled with arisings.





Well	Water Strikes	Sample and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description		
		Depth (m)	Type	Results						
								Dark blue bituminous surfacing.		
	0.25	ES		0.20 0.35	73.24 73.09		MADE GROUND: Brownish yellow slightly clayey very gravelly SAND. Sand is fine to coarse grained. Gravel is very angular to sub-rounded, fine to coarse grained. Gravel consists of Type 1 and flint. MADE GROUND: Brown slightly sandy gravelly CLAY with inclusions of plastic. Sand is fine to coarse grained. Gravel is very angular to sub-angular, fine to coarse grained. Gravel consists of Plastic, Type 1, bitumen, brick, rubber, nails, claystone, concrete and flint.			
	0.70	ES								
	1.00	SPT	N=6 (1,0/1,1,2,2)						1	
	1.20	D								
	1.20	PP	107.00							
	1.20	PID	PID=0.00							
	1.50	PP	130.00							
	2.00	D						Stiff brown slightly sandy slightly gravelly CLAY. Sand is fine to coarse grained. Gravel is sub-angular to rounded, fine grained. Gravel consists of claystone and flint. [LONDON CLAY FORMATION].	2	
	2.00	PP	124.00							
	2.00	SPT	N=6 (1,1/2,2,1,2)	2.20	71.24					
	2.00	PID	PID=0.00							
	2.50	ES								
	2.50	PP	199.00							
	3.00	D								3
	3.00	PP	215.00							
	3.00	SPT	N=9 (1,1/2,2,2,3)							
	3.00	PID	PID=0.00							
	3.50	PP	202.00							
					3.75	69.69		Stiff becoming very stiff brown very silty slightly sandy slightly gravelly CLAY. Sand is fine to coarse grained. Gravel is sub-rounded to rounded, fine grained. Gravel consists of flint. [LONDON CLAY FORMATION].	4	
	4.00	D								
	4.00	PP	294.00							
	4.00	SPT	N=12 (1,2/2,3,3,4)							
4.00	PID	PID=0.00								
4.50	PP	304.00								
5.00	D						<i>Becoming very stiff</i>	5		
5.00	PP	317.00								
5.00	SPT	N=18 (2,3/4,4,5,5)								
5.00	PID	PID=0.00								
				5.45	67.99		End of Borehole at 5.450m			
								6		

[illegible]

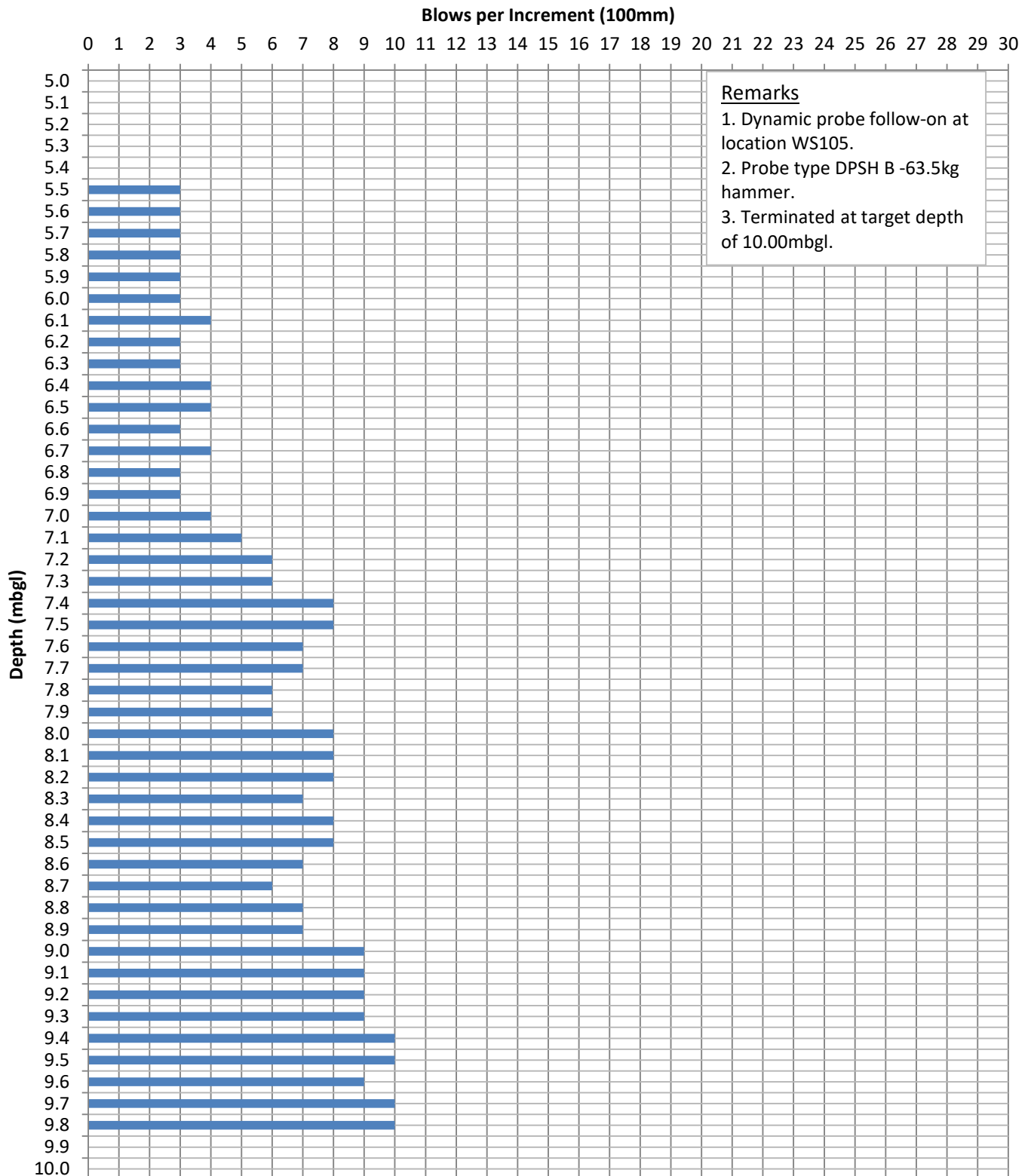
1. Hand pitted to 1.00m bgl.
2. No groundwater encountered.
3. Hole terminated at target depth of 5.45m bgl
4. Response zone of install between 1.00m and 2.50m bgl.
5. Follow-on dynamic probing conducted to 10.00m bgl.



Dynamic Probe Blows per Increment vs Depth - WS105

Client	Wrenbridge Land Limited	Job No.	610344.0000.0000
Site	Shinfield Park, Reading	Date Drawn	11/07/2024

Follow-on Dynamic Probe - WS105



Remarks

1. Dynamic probe follow-on at location WS105.
2. Probe type DPSH B -63.5kg hammer.
3. Terminated at target depth of 10.00mbgl.



TRC Companies Limited
20 Red Lion Street
London WC1R 4PS

Status	FINAL
Fig:	WS105
Rev.	A



Windowless Sample Log

Project Name: Shinfield Park, Reading		Client: Wrenbridge LLP		Date: 21/06/2024	
Location: Shinfield Park, Reading, RG2 9FW		Contractor: Oakland Site Investigation Ltd		Co-ords: E472770.54 N169006.92	
Project No. : 610344.0000.0000		Crew Name: Oakland Site Investigation Ltd		Drilling Equipment: Premier 110 RP	
Borehole Number WS106	Hole Type WS	Level	Logged By Tim Singer	Scale 1:30	Page Number Sheet 1 of 1

Well	Water Strikes	Sample and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description	
		Depth (m)	Type	Results					
					0.35			Light grey concrete.	
		0.50	ES					Firm brown slightly sandy silty CLAY. [LONDON CLAY FORMATION]	
		1.00	SPT	N=8 (1,1/2,2,2,2)					1
		1.00	PID	PID=0.00					
		1.20	B						
		1.20	D						
		1.25	PP	326.00					
		1.50	PP	405.00					
		1.75	PP	320.00					
		2.00	D						2
		2.00	PP	395.00				Becoming stiff	
		2.00	SPT	N=14 (2,2/3,3,4,4)					
		2.00	PID	PID=0.00					
		2.20	ES						
		2.25	PP	424.00					
		2.50	PP	424.00					
		2.75	PP	415.00					
		3.00	D					Crystals present	3
		3.00	PP	428.00				Low recovery from 3.00 to 4.00m bgl.	
		3.00	SPT	N=17 (2,3/3,4,5,5)				Becoming very stiff	
		3.00	PID	PID=0.00					
		4.00	D						4
		4.00	SPT	N=17 (2,3/3,4,5,5)					
		4.00	PID	PID=0.00					
		4.25	B						
		4.25	PP	395.00					
		4.75	PP	408.00					
		5.00	D						5
		5.00	SPT	N=21 (2,3/4,5,6,6)					
		5.00	PID	PID=0.00					
					5.45			End of Borehole at 5.450m	6

Hole Diameter		Casing Diameter		Chiselling				Inclination and Orientation			
Depth Base	Diameter	Depth Base	Diameter	Depth Top	Depth Base	Duration	Tool	Depth Top	Depth Base	Inclination	Orientation
1.00	102										
2.00	87										
3.00	75										
4.00	67										
5.45	56										

Remarks

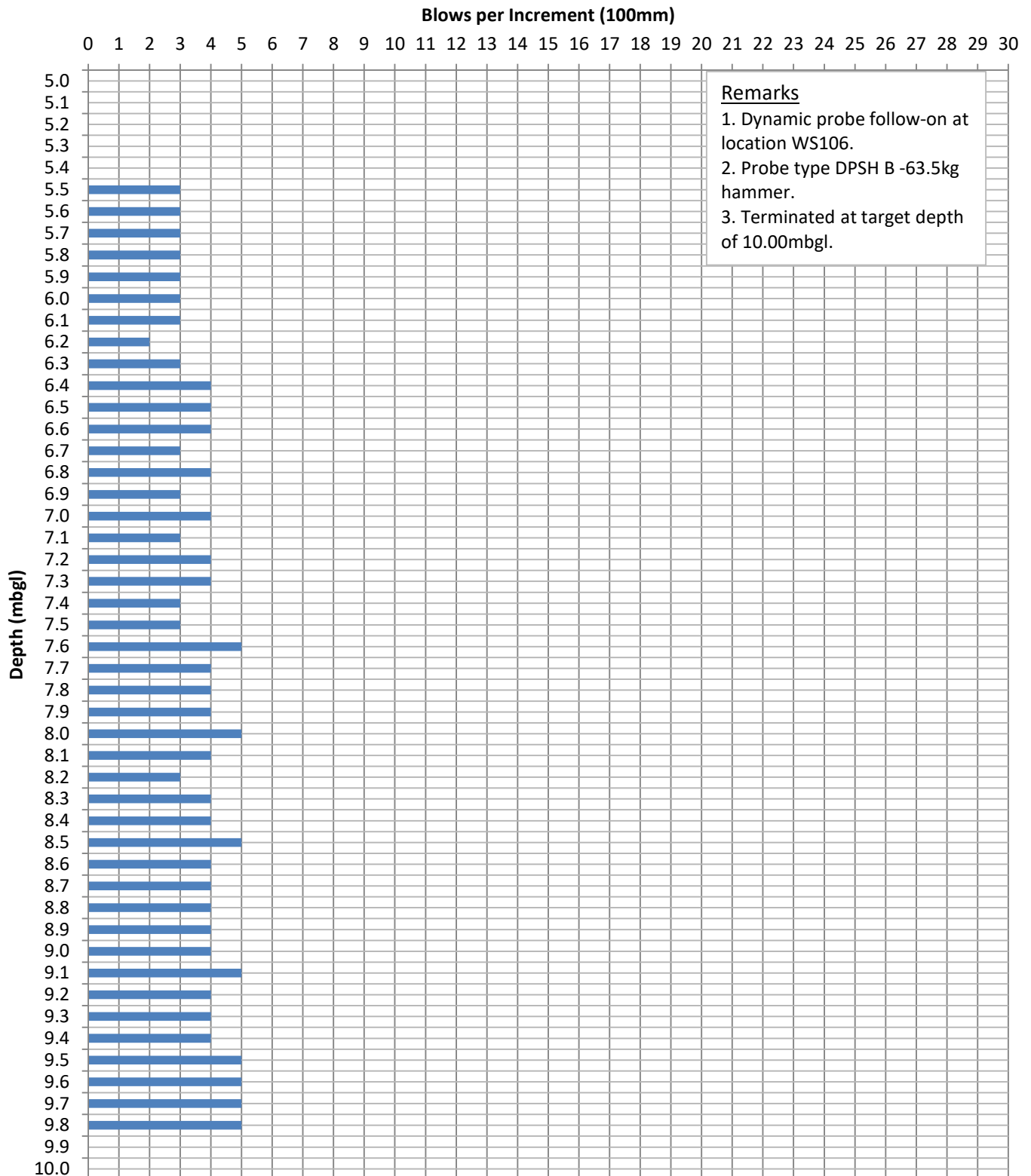
1. Hand pitted to 1.0bgl.
2. No groundwater encountered.
3. Hole terminated at target depth of 5.45m bgl
4. No installation was performed and hole was backfilled with arisings.
5. Follow-on dynamic probing conducted to 10.00m bgl.
6. Located inside of the office building and therefore ground level unable to be confirmed.



Dynamic Probe Blows per Increment vs Depth - WS106

Client	Wrenbridge Land Limited	Job No.	610344.0000.0000
Site	Shinfield Park, Reading	Date Drawn	11/07/2024

Follow-on Dynamic Probe - WS106



Remarks

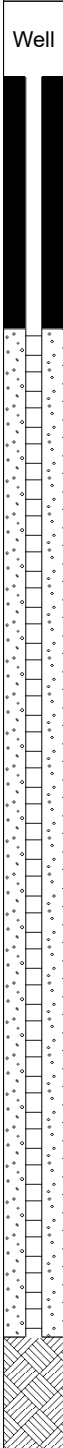
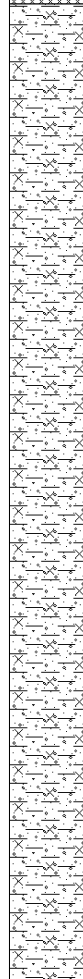
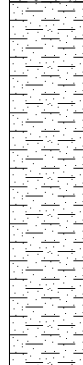
1. Dynamic probe follow-on at location WS106.
2. Probe type DPSH B -63.5kg hammer.
3. Terminated at target depth of 10.00mbgl.



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London WC1R 4PS

Status	FINAL
Fig:	WS106
Rev.	A



Well	Water Strikes	Sample and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description		
		Depth (m)	Type	Results						
					0.10	71.69		MADE GROUND: Grass covered topsoil.		
		0.30	ES					Firm brownish orange slightly silty slightly sandy slightly gravelly CLAY. Sand is fine to coarse grained. Gravel is sub-angular to rounded, fine to medium grained. Gravel consists of flint. [LONDON CLAY FORMATION].		
		0.50	PP	343.00						
		1.00	PP	245.00						
		1.00	SPT	N=8 (1,1/2,2,2,2)						
		1.20	D							
		1.20	ES							
		1.20	PID	PID=0.00						
		1.50	PP	186.00						
		2.00	D							
		2.00	PP	228.00						
		2.00	SPT	N=10 (2,2/2,2,3,3)						
		2.00	PID	PID=0.00						
		2.50	PP	304.00						
		3.00	D							
		3.00	PP	228.00						
		3.00	SPT	N=18 (2,3/4,4,5,5)						
		3.00	PID	PID=0.00						
		3.25	PP	353.00						
		3.50	PP	310.00						
		3.75	PP	317.00						
		4.00	D			4.00	67.79		Very stiff brown slightly sandy CLAY. Sand is fine grained. [LONDON CLAY FORMATION]	
		4.00	PP	235.00						
		4.00	SPT	N=18 (2,3/4,4,5,5)						
		4.00	PID	PID=0.00						
		4.25	PP	483.00						
		4.50	PP	490.00						
		4.75	PP	490.00						
		5.00	D							
		5.00	PP	490.00						
	5.00	SPT	N=22 (3,5/5,5,6,6)							
	5.00	PID	PID=0.00							
					5.45	66.34		End of Borehole at 5.450m		

Hole Diameter		Casing Diameter		Chiselling				Inclination and Orientation			
Depth Base	Diameter	Depth Base	Diameter	Depth Top	Depth Base	Duration	Tool	Depth Top	Depth Base	Inclination	Orientation
1.00	102										
2.00	87										
3.00	75										
4.00	67										
5.45	56										

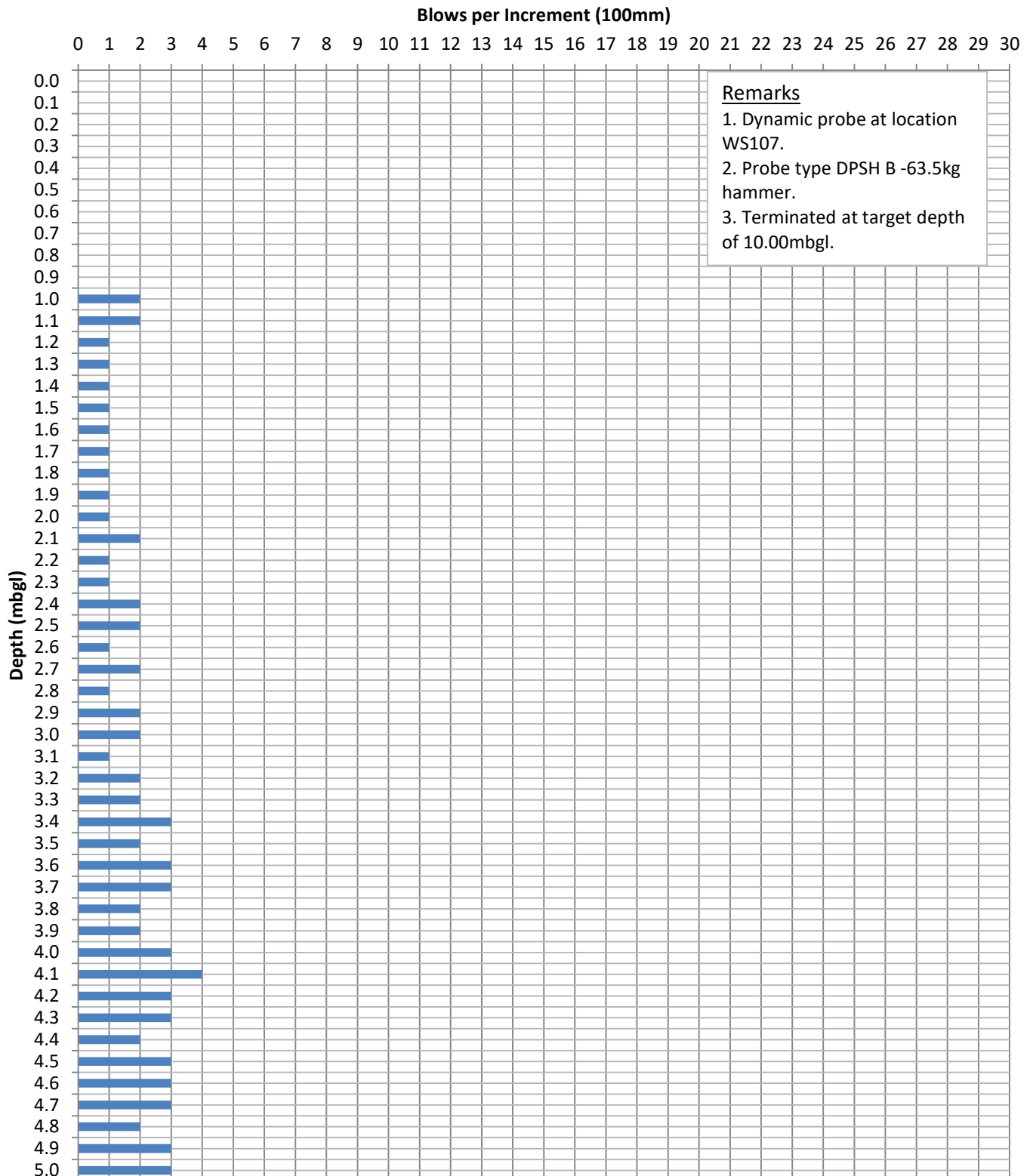
1. Hand pitted to 1.00m bgl.
2. No groundwater encountered.
3. Hole terminated at target depth of 5.45m bgl
4. Response zone of install between 1.00m and 5.00m bgl.
5. Follow-on dynamic probing conducted to 10.00m bgl



Dynamic Probe Blows per Increment vs Depth - WS107

Client	Wrenbridge Land Limited	Job No.	610344.0000.0000
Site	Shinfield Park, Reading	Date Drawn	11/07/2024

Dynamic Probe - WS107



Remarks

1. Dynamic probe at location WS107.
2. Probe type DPSH B -63.5kg hammer.
3. Terminated at target depth of 10.00mbgl.



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London WC1R 4PS

Status FINAL

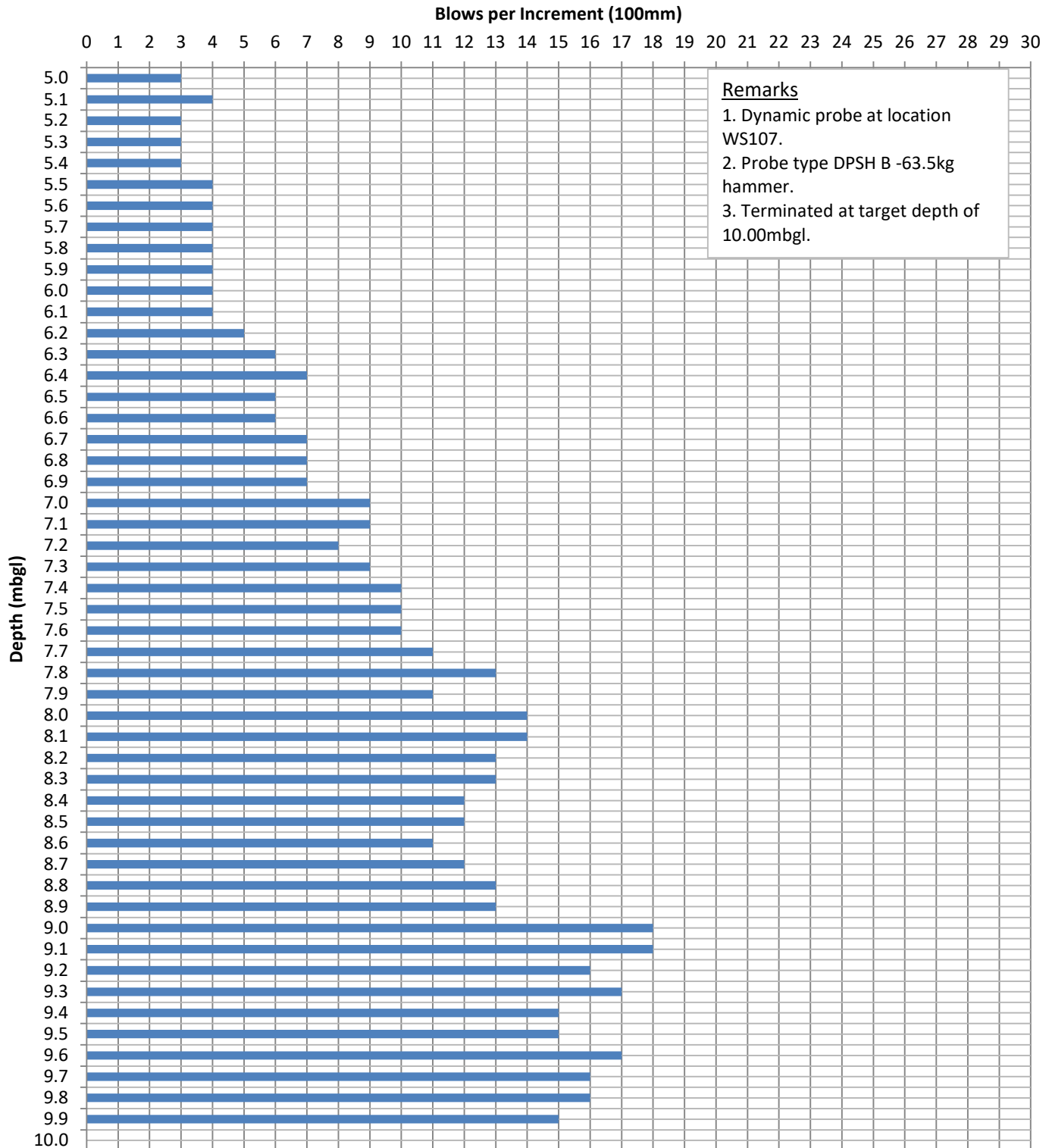
Fig: WS107-1

Rev. A

Dynamic Probe Blows per Increment vs Depth - WS107

Client	Wrenbridge Land Limited	Job No.	610344.0000.0000
Site	Shinfield Park, Reading	Date Drawn	26/07/2024

Dynamic Probe - WS107



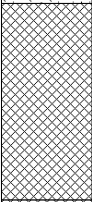
TRC Companies Limited
20 Red Lion Street
London WC1R 4PS

Status	FINAL
Fig:	WS107-2
Rev.	A



Windowless Sample Log

Project Name: Shinfield Park, Reading		Client: Wrenbridge LLP		Date: 21/06/2024	
Location: Shinfield Park, Reading, RG2 9FW		Contractor: Oakland Site Investigation Ltd		Co-ords: E472875.64 N169067.59	
Project No. : 610344.0000.0000		Crew Name: Oakland Site Investigation Ltd		Drilling Equipment: Premier 110 RP	
Borehole Number WS108	Hole Type WS	Level	Logged By Tim Singer	Scale 1:30	Page Number Sheet 1 of 1

Well	Water Strikes	Sample and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description	
		Depth (m)	Type	Results					
					0.32			Light grey concrete.	1
		0.40 0.50	ES ES					MADE GROUND: Grey slightly gravelly CLAY. Gravel is very angular to sub-angular, fine to medium grained and consists of brick. Low cobble content of flint and brick at immediate top of unit.	
		1.15 1.20 1.20 1.20 1.20	PP B D ES PID	304.00 PID=0.00	1.10 1.20			MADE GROUND: Grey CLAY.	
								End of Borehole at 1.200m	
									2
									3
									4
									5
									6

Hole Diameter		Casing Diameter		Chiselling				Inclination and Orientation			
Depth Base	Diameter	Depth Base	Diameter	Depth Top	Depth Base	Duration	Tool	Depth Top	Depth Base	Inclination	Orientation
1.20	102										

Remarks 1. Hand pitted to 1.00m bgl. 2. No groundwater encountered. 3. Hole terminated above target depth at 1.20m bgl due encountering concrete obstruction. 4. No installation was performed and hole was backfilled with arisings. 5. Located inside of the office building and therefore ground level unable to be confirmed.										
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Windowless Sample Log

Project Name: Shinfield Park, Reading		Client: Wrenbridge LLP		Date: 19/06/2024	
Location: Shinfield Park, Reading, RG2 9FW		Contractor: Oakland Site Investigation Ltd		Co-ords: E472848.04 N169140.78	
Project No. : 610344.0000.0000		Crew Name: Oakland Site Investigation Ltd		Drilling Equipment: Premier 110 RP	
Borehole Number WS109	Hole Type WS	Level 77.27m AoD	Logged By Tim Singer	Scale 1:30	Page Number Sheet 1 of 1

Well	Water Strikes	Sample and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description	
		Depth (m)	Type	Results					
		0.10			0.10	77.17		MADE GROUND: Grass covered Topsoil.	1
		0.30	ES					MADE GROUND: Brown clayey sandy GRAVEL. Sand is fine to coarse grained. Gravel is angular to rounded, fine to coarse grained. Gravel consists of flint.	
		0.50	B						
		0.50	PID	PID=0.00					
					0.70	76.57		MADE GROUND: Grey gravelly sandy silty CLAY. Sand is fine to coarse grained. Gravel is very angular to sub-angular, fine to medium grained. Gravel consists of flint.	
		1.00	SPT	50 (2,3/50 for 225mm)				Concrete slab at base.	2
		1.10	B		1.20	76.07		End of Borehole at 1.200m	
		1.10	ES						
		1.10	PID	PID=0.00					3
									4
									5
									6

Hole Diameter		Casing Diameter		Chiselling				Inclination and Orientation			
Depth Base	Diameter	Depth Base	Diameter	Depth Top	Depth Base	Duration	Tool	Depth Top	Depth Base	Inclination	Orientation
1.10	102										

Remarks

1. Hand pitted to 1.00m bgl.
2. No groundwater encountered.
3. Hole terminated above target depth at 1.20m bgl due encountering concrete obstruction.
4. No installation was performed and hole was backfilled with arisings.





Well	Water Strikes	Sample and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description	
		Depth (m)	Type	Results					
					0.38 0.45 0.55 0.65		 Light grey concrete.	1 -	
							 Concrete with tarmacadam fragments.		
							 Concrete with red layer of bricks, mortar and wood fragments.		
							 Concrete.		
							End of Borehole at 0.650m	2 -	
								3 -	
								4 -	
								5 -	
								6 -	

[illegible]

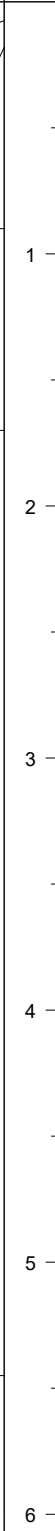
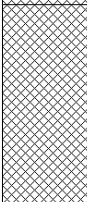
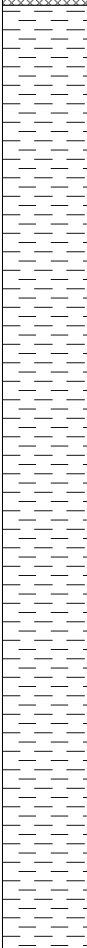
1. Hand pitted to 1.00m bgl.
2. No groundwater encountered.
3. Hole terminated above target depth at 0.65m bgl due to insufficient headspace and time constraints.
4. No installation was performed and hole was backfilled with arisings.
5. Located inside of the office building and therefore ground level unable to be confirmed.





Windowless Sample Log

Project Name: Shinfield Park, Reading		Client: Wrenbridge LLP		Date: 21/06/2024	
Location: Shinfield Park, Reading, RG2 9FW		Contractor: Oakland Site Investigation Ltd		Co-ords: E472795.31 N169137.54	
Project No. : 610344.0000.0000		Crew Name: Oakland Site Investigation Ltd		Drilling Equipment: Premier 110 RP	
Borehole Number WS112	Hole Type WS	Level 78.14m AoD	Logged By Tim Singer	Scale 1:30	Page Number Sheet 1 of 1

Well	Water Strikes	Sample and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description		
		Depth (m)	Type	Results						
		0.15	ES		0.08	78.07		Light grey concrete with brick paving.		
					0.18	77.96				MADE GROUND: Light brown slightly silty SAND. Sand is fine to coarse grained.
										MADE GROUND: Brown gravelly sandy silty CLAY. Sand is fine to coarse grained. Gravel is angular to rounded, fine to coarse grained. Gravel consists of flint.
		0.80	B		0.90	77.24		MADE GROUND: Brown clayey silty sandy GRAVEL. Sand is fine to coarse grained. Gravel is angular to rounded, fine to coarse grained. Gravel consists of flint.		
		0.80	PID	PID=0.00						
		0.90	B							
		0.90	PID	PID=0.00						
		1.00	SPT	N=16 (3,3/3,3,5,5)						
		1.20	D							
		1.20	PID	PID=0.00						
					1.70	76.44		Stiff orangeish brown CLAY. [LONDON CLAY FORMATION] <u>Local lenses of grey clay from 2.4m bgl.</u> <		

Hole Diameter		Casing Diameter		Chiselling				Inclination and Orientation			
Depth Base	Diameter	Depth Base	Diameter	Depth Top	Depth Base	Duration	Tool	Depth Top	Depth Base	Inclination	Orientation
1.00	102										
2.00	87										
3.00	75										
4.00	67										
5.45	5										

Remarks

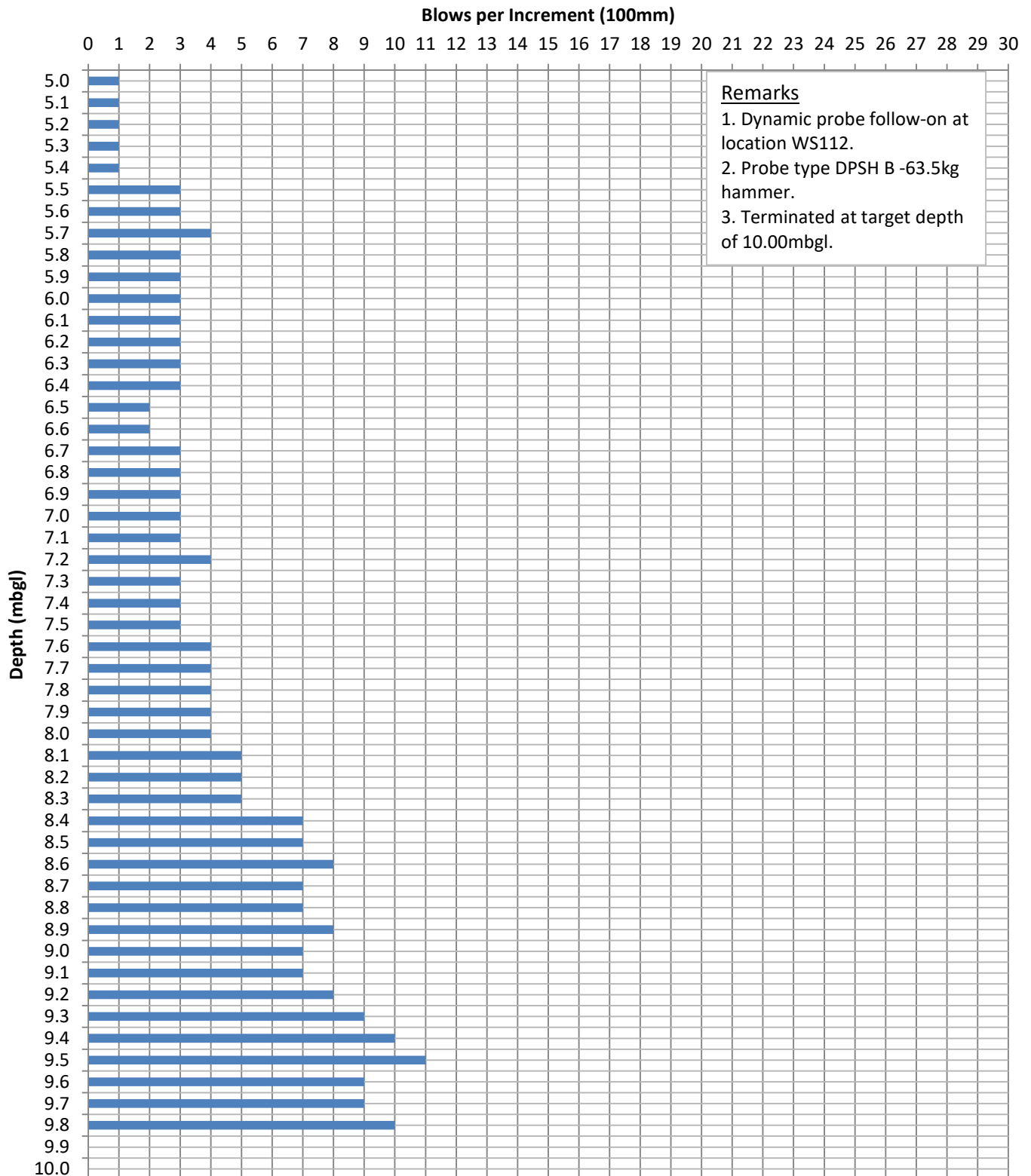
- Hand pitted to 1.00m bgl.
- No groundwater encountered.
- Hole terminated at target depth of 5.45m bgl.
- No installation was performed and hole was backfilled with arisings.
- Follow-on dynamic probing conducted to 10.00m bgl



Dynamic Probe Blows per Increment vs Depth - WS112

Client	Wrenbridge Land Limited	Job No.	610344.0000.0000
Site	Shinfield Park, Reading	Date Drawn	11/07/2024

Follow-on Dynamic Probe - WS112



Remarks

1. Dynamic probe follow-on at location WS112.
2. Probe type DPSH B -63.5kg hammer.
3. Terminated at target depth of 10.00mbgl.



TRC Companies Limited
20 Red Lion Street
London WC1R 4PS

Status	FINAL
Fig:	WS112
Rev.	A

Appendix E Site Visit Photographic Record



Photograph 11. Shire Hall



Photograph 12. Shire Hall



Photograph 13. Existing buildings in the Site



Photograph 14. Shire Hall



Photograph 15. Shire Hall



Photograph 16. Shire Hall



Photograph 17. Plaque at the entrance to Shire Hall



Photograph 18. Former office block



Photograph 19. Former office block



Photograph 20. Sample photograph of existing access roads



Photograph 21. Sample photograph of existing access roads



Photograph 22. Outbuildings in the northeastern extent of the Site