

M3 Junction 9 Improvement

Scheme Number: TR010055

6.3 Environmental Statement Appendix 9.1 - Phase 1 Ground Conditions Assessment Part 2 of 2

APFP Regulation 5(2)(a)

Planning Act 2008

**Infrastructure Planning (Applications: Prescribed Forms and
Procedure) Regulations 2009**

Volume 6

November 2022

Appendix C Groundsure reports

446378.0118774826, 134000.3766914833,

Order Details

Date: 07/10/2020
Your ref: 33689-_Site_1
Our Ref: GS-7137910
Client: Stantec UK Ltd

Site Details

Location: 446364 133991
Area: 3.06 ha
Authority: [Winchester City Council](#)



Summary of findings

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Aerial image

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OS MasterMap site plan

p.12

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Contact us with any questions at:

info@groundsure.com

08444 159 000

Summary of findings

Page	Section	Past land use	On site	0-50m	50-250m	250-500m	500-2000m
13	1.1	<u>Historical industrial land uses</u>	0	0	2	0	-
14	1.2	Historical tanks	0	0	0	0	-
14	1.3	Historical energy features	0	0	0	0	-
14	1.4	Historical petrol stations	0	0	0	0	-
15	1.5	Historical garages	0	0	0	0	-
15	1.6	Historical military land	0	0	0	0	-
Page	Section	Past land use - un-grouped	On site	0-50m	50-250m	250-500m	500-2000m
16	2.1	<u>Historical industrial land uses</u>	0	0	2	0	-
17	2.2	Historical tanks	0	0	0	0	-
17	2.3	Historical energy features	0	0	0	0	-
17	2.4	Historical petrol stations	0	0	0	0	-
17	2.5	Historical garages	0	0	0	0	-
Page	Section	Waste and landfill	On site	0-50m	50-250m	250-500m	500-2000m
18	3.1	Active or recent landfill	0	0	0	0	-
18	3.2	Historical landfill (BGS records)	0	0	0	0	-
19	3.3	Historical landfill (LA/mapping records)	0	0	0	0	-
19	3.4	Historical landfill (EA/NRW records)	0	0	0	0	-
19	3.5	Historical waste sites	0	0	0	0	-
19	3.6	<u>Licensed waste sites</u>	0	0	0	1	-
20	3.7	<u>Waste exemptions</u>	0	0	3	3	-
Page	Section	Current industrial land use	On site	0-50m	50-250m	250-500m	500-2000m
21	4.1	Recent industrial land uses	0	0	0	-	-
21	4.2	Current or recent petrol stations	0	0	0	0	-
22	4.3	Electricity cables	0	0	0	0	-
22	4.4	Gas pipelines	0	0	0	0	-
22	4.5	Sites determined as Contaminated Land	0	0	0	0	-



22	4.6	Control of Major Accident Hazards (COMAH)	0	0	0	0	-
22	4.7	Regulated explosive sites	0	0	0	0	-
23	4.8	Hazardous substance storage/usage	0	0	0	0	-
23	4.9	Historical licensed industrial activities (IPC)	0	0	0	0	-
23	4.10	Licensed industrial activities (Part A(1))	0	0	0	0	-
23	4.11	Licensed pollutant release (Part A(2)/B)	0	0	0	0	-
23	4.12	Radioactive Substance Authorisations	0	0	0	0	-
24	4.13	<u>Licensed Discharges to controlled waters</u>	0	0	0	1	-
24	4.14	Pollutant release to surface waters (Red List)	0	0	0	0	-
24	4.15	Pollutant release to public sewer	0	0	0	0	-
24	4.16	List 1 Dangerous Substances	0	0	0	0	-
25	4.17	List 2 Dangerous Substances	0	0	0	0	-
25	4.18	Pollution Incidents (EA/NRW)	0	0	0	0	-
25	4.19	Pollution inventory substances	0	0	0	0	-
25	4.20	Pollution inventory waste transfers	0	0	0	0	-
25	4.21	Pollution inventory radioactive waste	0	0	0	0	-

Page	Section	Hydrogeology	On site	0-50m	50-250m	250-500m	500-2000m
26	5.1	<u>Superficial aquifer</u>	Identified (within 500m)				
27	5.2	<u>Bedrock aquifer</u>	Identified (within 500m)				
28	5.3	<u>Groundwater vulnerability</u>	Identified (within 50m)				
29	5.4	<u>Groundwater vulnerability- soluble rock risk</u>	Identified (within 0m)				
30	5.5	Groundwater vulnerability- local information	None (within 0m)				
31	5.6	<u>Groundwater abstractions</u>	0	0	0	0	2
32	5.7	Surface water abstractions	0	0	0	0	0
32	5.8	Potable abstractions	0	0	0	0	0
33	5.9	<u>Source Protection Zones</u>	0	0	0	1	-
33	5.10	Source Protection Zones (confined aquifer)	0	0	0	0	-

Page	Section	Hydrology	On site	0-50m	50-250m	250-500m	500-2000m
34	6.1	Water Network (OS MasterMap)	0	0	0	-	-



34	6.2	Surface water features	0	0	0	-	-
35	6.3	<u>WFD Surface water body catchments</u>	1	-	-	-	-
35	6.4	<u>WFD Surface water bodies</u>	0	0	0	-	-
36	6.5	<u>WFD Groundwater bodies</u>	2	-	-	-	-
Page	Section	River and coastal flooding	On site	0-50m	50-250m	250-500m	500-2000m
37	7.1	Risk of Flooding from Rivers and Sea (RoFRaS)	None (within 50m)				
37	7.2	Historical Flood Events	0	0	0	-	-
37	7.3	Flood Defences	0	0	0	-	-
37	7.4	Areas Benefiting from Flood Defences	0	0	0	-	-
38	7.5	Flood Storage Areas	0	0	0	-	-
39	7.6	Flood Zone 2	None (within 50m)				
39	7.7	Flood Zone 3	None (within 50m)				
Page	Section	Surface water flooding					
40	8.1	<u>Surface water flooding</u>	1 in 30 year, 0.1m - 0.3m (within 50m)				
Page	Section	Groundwater flooding					
42	9.1	<u>Groundwater flooding</u>	Low (within 50m)				
Page	Section	Environmental designations	On site	0-50m	50-250m	250-500m	500-2000m
43	10.1	Sites of Special Scientific Interest (SSSI)	0	0	0	0	0
44	10.2	Conserved wetland sites (Ramsar sites)	0	0	0	0	0
44	10.3	Special Areas of Conservation (SAC)	0	0	0	0	0
44	10.4	Special Protection Areas (SPA)	0	0	0	0	0
44	10.5	National Nature Reserves (NNR)	0	0	0	0	0
45	10.6	Local Nature Reserves (LNR)	0	0	0	0	0
45	10.7	<u>Designated Ancient Woodland</u>	0	0	0	1	3
45	10.8	Biosphere Reserves	0	0	0	0	0
46	10.9	Forest Parks	0	0	0	0	0
46	10.10	Marine Conservation Zones	0	0	0	0	0
46	10.11	Green Belt	0	0	0	0	0
46	10.12	Proposed Ramsar sites	0	0	0	0	0



46	10.13	Possible Special Areas of Conservation (pSAC)	0	0	0	0	0
47	10.14	Potential Special Protection Areas (pSPA)	0	0	0	0	0
47	10.15	Nitrate Sensitive Areas	0	0	0	0	0
47	10.16	<u>Nitrate Vulnerable Zones</u>	3	0	0	0	3
48	10.17	<u>SSSI Impact Risk Zones</u>	1	-	-	-	-
49	10.18	SSSI Units	0	0	0	0	0
Page	Section	Visual and cultural designations	On site	0-50m	50-250m	250-500m	500-2000m
50	11.1	World Heritage Sites	0	0	0	-	-
51	11.2	Area of Outstanding Natural Beauty	0	0	0	-	-
51	11.3	National Parks	0	0	0	-	-
51	11.4	Listed Buildings	0	0	0	-	-
51	11.5	<u>Conservation Areas</u>	1	0	0	-	-
52	11.6	Scheduled Ancient Monuments	0	0	0	-	-
52	11.7	Registered Parks and Gardens	0	0	0	-	-
Page	Section	Agricultural designations	On site	0-50m	50-250m	250-500m	500-2000m
53	12.1	<u>Agricultural Land Classification</u>	Grade 3 (within 250m)				
54	12.2	Open Access Land	0	0	0	-	-
54	12.3	Tree Felling Licences	0	0	0	-	-
54	12.4	Environmental Stewardship Schemes	0	0	0	-	-
54	12.5	Countryside Stewardship Schemes	0	0	0	-	-
Page	Section	Habitat designations	On site	0-50m	50-250m	250-500m	500-2000m
55	13.1	<u>Priority Habitat Inventory</u>	0	1	3	-	-
56	13.2	Habitat Networks	0	0	0	-	-
56	13.3	Open Mosaic Habitat	0	0	0	-	-
56	13.4	Limestone Pavement Orders	0	0	0	-	-
Page	Section	Geology 1:10,000 scale	On site	0-50m	50-250m	250-500m	500-2000m
57	14.1	<u>10k Availability</u>	Identified (within 500m)				
58	14.2	<u>Artificial and made ground (10k)</u>	0	1	2	2	-
60	14.3	<u>Superficial geology (10k)</u>	0	1	0	0	-



61	14.4	Landslip (10k)	0	0	0	0	-
62	14.5	<u>Bedrock geology (10k)</u>	1	0	1	1	-
63	14.6	Bedrock faults and other linear features (10k)	0	0	0	0	-
Page	Section	Geology 1:50,000 scale	On site	0-50m	50-250m	250-500m	500-2000m
64	15.1	<u>50k Availability</u>	Identified (within 500m)				
65	15.2	Artificial and made ground (50k)	0	0	0	0	-
65	15.3	Artificial ground permeability (50k)	0	0	-	-	-
66	15.4	<u>Superficial geology (50k)</u>	0	1	0	0	-
67	15.5	<u>Superficial permeability (50k)</u>	Identified (within 50m)				
67	15.6	Landslip (50k)	0	0	0	0	-
67	15.7	Landslip permeability (50k)	None (within 50m)				
68	15.8	<u>Bedrock geology (50k)</u>	1	0	1	1	-
69	15.9	<u>Bedrock permeability (50k)</u>	Identified (within 50m)				
69	15.10	Bedrock faults and other linear features (50k)	0	0	0	0	-
Page	Section	Boreholes	On site	0-50m	50-250m	250-500m	500-2000m
70	16.1	BGS Boreholes	0	0	0	-	-
Page	Section	Natural ground subsidence					
71	17.1	<u>Shrink swell clays</u>	Very low (within 50m)				
72	17.2	<u>Running sands</u>	Very low (within 50m)				
74	17.3	<u>Compressible deposits</u>	Negligible (within 50m)				
75	17.4	<u>Collapsible deposits</u>	Very low (within 50m)				
76	17.5	<u>Landslides</u>	Very low (within 50m)				
78	17.6	<u>Ground dissolution of soluble rocks</u>	Low (within 50m)				
Page	Section	Mining, ground workings and natural cavities	On site	0-50m	50-250m	250-500m	500-2000m
80	18.1	Natural cavities	0	0	0	0	-
81	18.2	BritPits	0	0	0	0	-
81	18.3	<u>Surface ground workings</u>	0	0	2	-	-
81	18.4	Underground workings	0	0	0	0	0
81	18.5	Historical Mineral Planning Areas	0	0	0	0	-



82	18.6	<u>Non-coal mining</u>		1	0	0	0	1
82	18.7	Mining cavities		0	0	0	0	0
82	18.8	JPB mining areas	None (within 0m)					
83	18.9	Coal mining	None (within 0m)					
83	18.10	Brine areas	None (within 0m)					
83	18.11	Gypsum areas	None (within 0m)					
83	18.12	Tin mining	None (within 0m)					
83	18.13	Clay mining	None (within 0m)					
Page	Section	Radon						
84	19.1	<u>Radon</u>	Less than 1% (within 0m)					
Page	Section	Soil chemistry	On site	0-50m	50-250m	250-500m	500-2000m	
85	20.1	<u>BGS Estimated Background Soil Chemistry</u>	2	4	-	-	-	
85	20.2	BGS Estimated Urban Soil Chemistry	0	0	-	-	-	
86	20.3	BGS Measured Urban Soil Chemistry	0	0	-	-	-	
Page	Section	Railway infrastructure and projects	On site	0-50m	50-250m	250-500m	500-2000m	
87	21.1	Underground railways (London)	0	0	0	-	-	
87	21.2	Underground railways (Non-London)	0	0	0	-	-	
87	21.3	Railway tunnels	0	0	0	-	-	
87	21.4	Historical railway and tunnel features	0	0	0	-	-	
87	21.5	Royal Mail tunnels	0	0	0	-	-	
88	21.6	Historical railways	0	0	0	-	-	
88	21.7	Railways	0	0	0	-	-	
88	21.8	Crossrail 1	0	0	0	0	-	
88	21.9	Crossrail 2	0	0	0	0	-	
88	21.10	HS2	0	0	0	0	-	

Recent aerial photograph

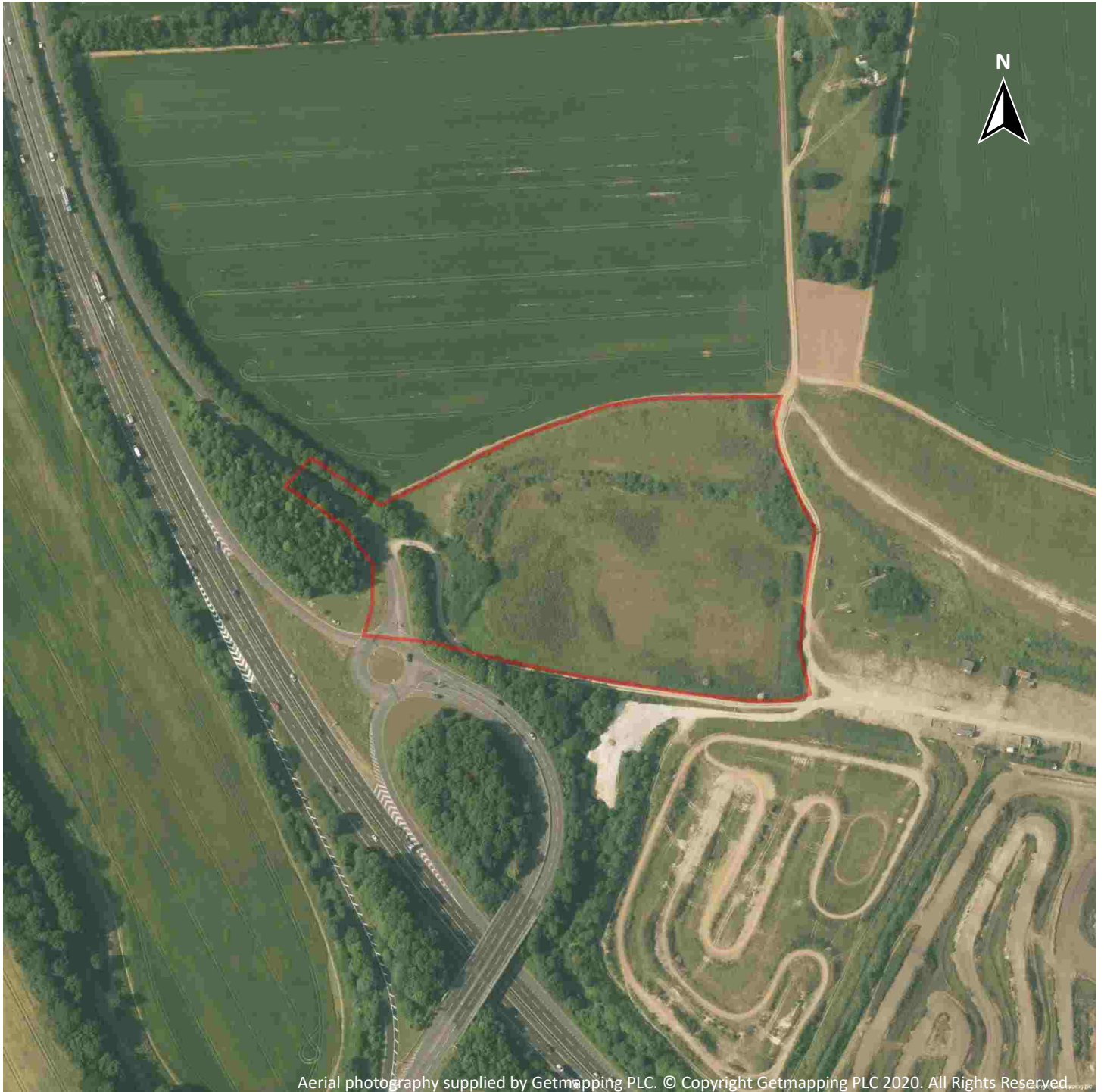


Capture Date: 20/06/2017

Site Area: 3.06ha



Recent site history - 2013 aerial photograph



Capture Date: 04/06/2013

Site Area: 3.06ha



Recent site history - 2005 aerial photograph



Capture Date: 07/06/2005

Site Area: 3.06ha



Recent site history - 1999 aerial photograph

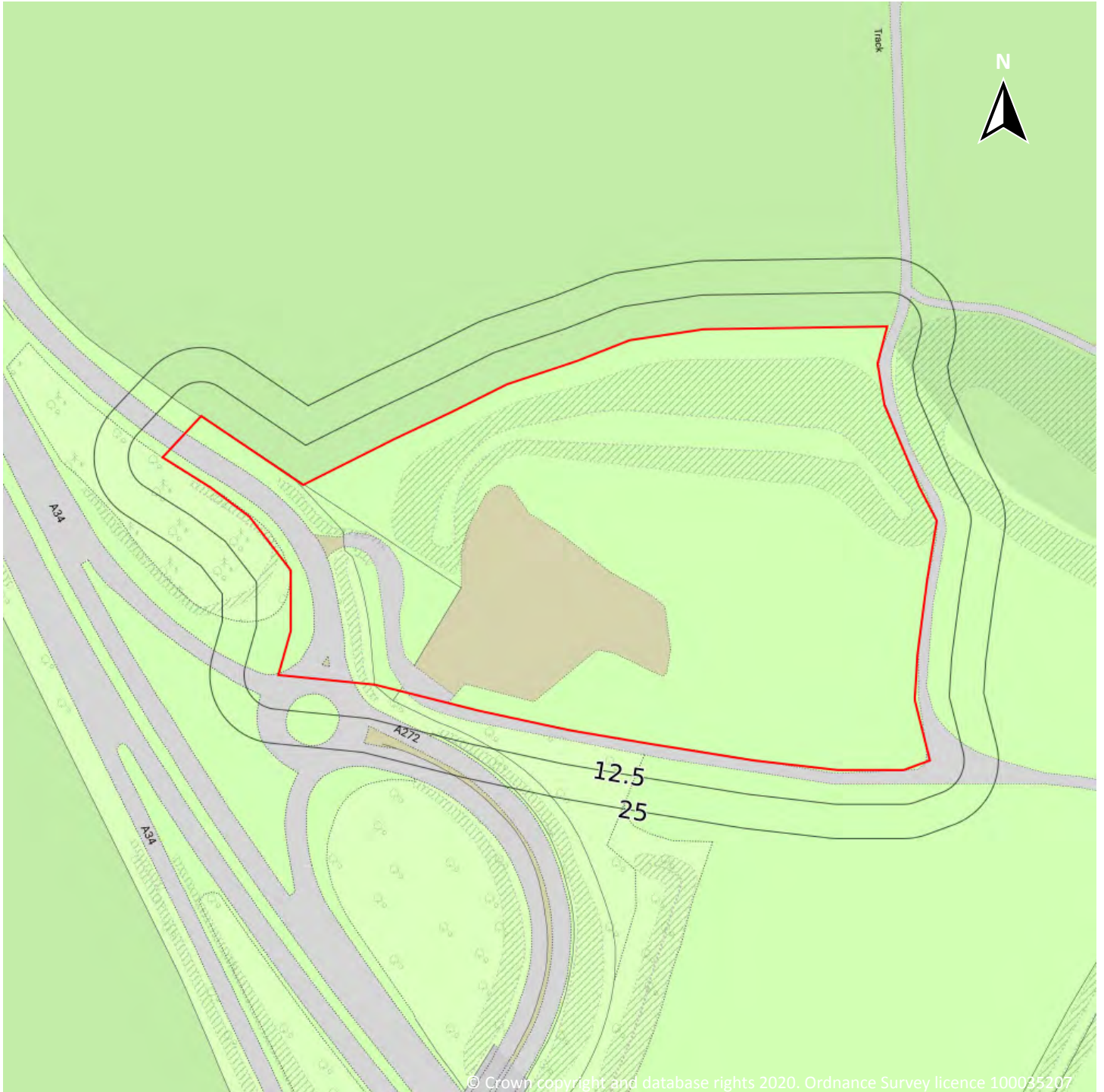


Capture Date: 04/09/1999

Site Area: 3.06ha



OS MasterMap site plan



Site Area: 3.06ha

1 Past land use



- Site Outline
- Search buffers in metres (m)
- Historical industrial land uses

1.1 Historical industrial land uses

Records within 500m

2

Potentially contaminative land use features digitised from historical Ordnance Survey mapping at 1:10,000 and 1:10,560 scale, intelligently grouped into contiguous features. To prevent misrepresentation of the size of historical features at any given time, features are only grouped if they have similar geometries within immediately preceding or succeeding map editions. See section 2 for a breakdown of grouping if required. Grouped and the original un-grouped features can be cross-referenced across sections 1 and 2 using the 'Group ID'.

Features are displayed on the Past land use map on **page 13**

ID	Location	Land use	Dates present	Group ID
A	150m S	Cuttings	1987	1939714

ID	Location	Land use	Dates present	Group ID
A	150m S	Cuttings	1975	1941591

This data is sourced from Ordnance Survey / Groundsure.

1.2 Historical tanks

Records within 500m	0
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Tank features digitised from historical Ordnance Survey mapping at high-detail 1:1,250 and 1:2,500 scale, intelligently grouped into contiguous features. To prevent misrepresentation of the size of historical features at any given time, features are only grouped if they have similar geometries within immediately preceding or succeeding map editions. See section 2 for a breakdown of grouping if required. Grouped and the original ungrouped features can be cross-referenced across sections 1 and 2 using the 'Group ID'.

This data is sourced from Ordnance Survey / Groundsure.

1.3 Historical energy features

Records within 500m	0
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Energy features digitised from historical Ordnance Survey mapping at high-detail 1:1,250 and 1:2,500 scale, intelligently grouped into contiguous features. To prevent misrepresentation of the size of historical features at any given time, features are only grouped if they have similar geometries within immediately preceding or succeeding map editions. See section 2 for a breakdown of grouping if required. Grouped and the original ungrouped features can be cross-referenced across sections 1 and 2 using the 'Group ID'.

This data is sourced from Ordnance Survey / Groundsure.

1.4 Historical petrol stations

Records within 500m	0
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Petrol stations digitised from historical Ordnance Survey mapping at high-detail 1:1,250 and 1:2,500 scale, intelligently grouped into contiguous features. To prevent misrepresentation of the size of historical features at any given time, features are only grouped if they have similar geometries within immediately preceding or succeeding map editions. See section 2 for a breakdown of grouping if required. Grouped and the original ungrouped features can be cross-referenced across sections 1 and 2 using the 'Group ID'.

This data is sourced from Ordnance Survey / Groundsure.

1.5 Historical garages

Records within 500m

0

Garages digitised from historical Ordnance Survey mapping at high-detail 1:1,250 and 1:2,500 scale, intelligently grouped into contiguous features. To prevent misrepresentation of the size of historical features at any given time, features are only grouped if they have similar geometries within immediately preceding or succeeding map editions. See section 2 for a breakdown of grouping if required. Grouped and the original ungrouped features can be cross-referenced across sections 1 and 2 using the 'Group ID'.

This data is sourced from Ordnance Survey / Groundsure.

1.6 Historical military land

Records within 500m

0

Areas of military land digitised from multiple sources including the National Archives, local records, MOD records and verified other sources, intelligently grouped into contiguous features.

This data is sourced from Ordnance Survey / Groundsure / other sources.



2 Past land use - un-grouped



- Site Outline
- Search buffers in metres (m)
- Historical industrial land uses

2.1 Historical industrial land uses

Records within 500m

2

Potentially contaminative land use features digitised from historical Ordnance Survey mapping at 1:10,000 and 10,560 scale. Any records shown are available intelligently grouped in section 1. Grouped and the original un-grouped features can be cross-referenced across sections 1 and 2 using the 'Group ID'.

Features are displayed on the Past land use - un-grouped map on **page 16**

ID	Location	Land Use	Date	Group ID
A	150m S	Cuttings	1987	1939714
A	150m S	Cuttings	1975	1941591

This data is sourced from Ordnance Survey / Groundsure.

2.2 Historical tanks

Records within 500m

0

Tank features digitised from historical Ordnance Survey mapping at high-detail 1:1,250 and 1:2,500 scale. Any records shown are available intelligently grouped in section 1. Grouped and the original un-grouped features can be cross-referenced across sections 1 and 2 using the 'Group ID'.

This data is sourced from Ordnance Survey / Groundsure.

2.3 Historical energy features

Records within 500m

0

Energy features digitised from historical Ordnance Survey mapping at high-detail 1:1,250 and 1:2,500 scale. Any records shown are available intelligently grouped in section 1. Grouped and the original un-grouped features can be cross-referenced across sections 1 and 2 using the 'Group ID'.

This data is sourced from Ordnance Survey / Groundsure.

2.4 Historical petrol stations

Records within 500m

0

Petrol stations digitised from historical Ordnance Survey mapping at high-detail 1:1,250 and 1:2,500 scale. Any records shown are available intelligently grouped in section 1. Grouped and the original un-grouped features can be cross-referenced across sections 1 and 2 using the 'Group ID'.

This data is sourced from Ordnance Survey / Groundsure.

2.5 Historical garages

Records within 500m

0

Garages digitised from historical Ordnance Survey mapping at high-detail 1:1,250 and 1:2,500 scale. Any records shown are available intelligently grouped in section 1. Grouped and the original un-grouped features can be cross-referenced across sections 1 and 2 using the 'Group ID'.

This data is sourced from Ordnance Survey / Groundsure.



3 Waste and landfill



- Site Outline
- Search buffers in metres (m)
- Licensed waste sites
- Waste exemptions

3.1 Active or recent landfill

Records within 500m

0

Active or recently closed landfill sites under Environment Agency/Natural Resources Wales regulation.

This data is sourced from the Environment Agency and Natural Resources Wales.

3.2 Historical landfill (BGS records)

Records within 500m

0

Landfill sites identified on a survey carried out on behalf of the DoE in 1973. These sites may have been closed or operational at this time.

This data is sourced from the British Geological Survey.

3.3 Historical landfill (LA/mapping records)

Records within 500m

0

Landfill sites identified from Local Authority records and high detail historical mapping.

This data is sourced from the Ordnance Survey/Groundsure and Local Authority records.

3.4 Historical landfill (EA/NRW records)

Records within 500m

0

Known historical (closed) landfill sites (e.g. sites where there is no PPC permit or waste management licence currently in force). This includes sites that existed before the waste licensing regime and sites that have been licensed in the past but where a licence has been revoked, ceased to exist or surrendered and a certificate of completion has been issued.

This data is sourced from the Environment Agency and Natural Resources Wales.

3.5 Historical waste sites

Records within 500m

0

Waste site records derived from Local Authority planning records and high detail historical mapping.

This data is sourced from Ordnance Survey/Groundsure and Local Authority records.

3.6 Licensed waste sites

Records within 500m

1

Active or recently closed waste sites under Environment Agency/Natural Resources Wales regulation.

Features are displayed on the Waste and landfill map on **page 18**

ID	Location	Details		
1	398m SE	Site Name: Winchester Recycling Facility Site Address: Down Farm Lane, Headbourne Worthy, Winchester, Hampshire, SO22 6RG Correspondence Address: -	Type of Site: Inert & excavation Waste TS + treatment Size: 25000 tonnes Environmental Permitting Regulations (Waste) Licence Number: WES010 EPR reference: EA/EPR/GB3808TH/A001 Operator: Road Planing Supplies Limited Waste Management licence No: 405830 Annual Tonnage: 0	Issue Date: 15/01/2019 Effective Date: - Modified:: - Surrendered Date: - Expiry Date: - Cancelled Date: - Status: Issued

This data is sourced from the Environment Agency and Natural Resources Wales.

3.7 Waste exemptions

Records within 500m

6

Activities involving the storage, treatment, use or disposal of waste that are exempt from needing a permit. Exemptions have specific limits and conditions that must be adhered to.

Features are displayed on the Waste and landfill map on **page 18**



ID	Location	Site	Reference	Category	Sub-Category	Description
A	106m E	Down Farm WINCHESTER Hampshire SO22 6RG	EPR/JF0603W G/A001	Using waste exemption	Agricultural Waste Only	Use of waste in construction
A	106m E	Down Farm WINCHESTER Hampshire SO22 6RG	EPR/JF0603W G/A001	Using waste exemption	Agricultural Waste Only	Spreading waste on non-agricultural land to confer benefit
A	106m E	Down Farm WINCHESTER Hampshire SO22 6RG	EPR/JF0603W G/A001	Using waste exemption	Agricultural Waste Only	Use of waste for a specified purpose
B	475m E	DOWN FARM, THE OLD WORKSHOP, HEADBOURNE WORTHY, WINCHESTER, SO22 6RG	WEX192238	Using waste exemption	On a Farm	Use of waste to manufacture finished goods
B	475m E	DOWN FARM, THE OLD WORKSHOP, HEADBOURNE WORTHY, WINCHESTER, SO22 6RG	WEX192238	Using waste exemption	On a Farm	Spreading waste on non-agricultural land to confer benefit
B	475m E	DOWN FARM, THE OLD WORKSHOP, HEADBOURNE WORTHY, WINCHESTER, SO22 6RG	WEX192238	Using waste exemption	On a Farm	Use of waste in construction

This data is sourced from the Environment Agency and Natural Resources Wales.



4 Current industrial land use



-  Site Outline
- Search buffers in metres (m)
-  Licensed Discharges to controlled waters

4.1 Recent industrial land uses

Records within 250m

0

Current potentially contaminative industrial sites.

This data is sourced from Ordnance Survey.

4.2 Current or recent petrol stations

Records within 500m

0

Open, closed, under development and obsolete petrol stations.

This data is sourced from Experian.

4.3 Electricity cables

Records within 500m	0
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High voltage underground electricity transmission cables.

This data is sourced from National Grid.

4.4 Gas pipelines

Records within 500m	0
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High pressure underground gas transmission pipelines.

This data is sourced from National Grid.

4.5 Sites determined as Contaminated Land

Records within 500m	0
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Contaminated Land Register of sites designated under Part 2a of the Environmental Protection Act 1990.

This data is sourced from Local Authority records.

4.6 Control of Major Accident Hazards (COMAH)

Records within 500m	0
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Control of Major Accident Hazards (COMAH) sites. This data includes upper and lower tier sites, and includes a historical archive of COMAH sites and Notification of Installations Handling Hazardous Substances (NIHHS) records.

This data is sourced from the Health and Safety Executive.

4.7 Regulated explosive sites

Records within 500m	0
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Sites registered and licensed by the Health and Safety Executive under the Manufacture and Storage of Explosives Regulations 2005 (MSER). The last update to this data was in April 2011.

This data is sourced from the Health and Safety Executive.

4.8 Hazardous substance storage/usage

Records within 500m

0

Consents granted for a site to hold certain quantities of hazardous substances at or above defined limits in accordance with the Planning (Hazardous Substances) Regulations 2015.

This data is sourced from Local Authority records.

4.9 Historical licensed industrial activities (IPC)

Records within 500m

0

Integrated Pollution Control (IPC) records of substance releases to air, land and water. This data represents a historical archive as the IPC regime has been superseded.

This data is sourced from the Environment Agency and Natural Resources Wales.

4.10 Licensed industrial activities (Part A(1))

Records within 500m

0

Records of Part A(1) installations regulated under the Environmental Permitting (England and Wales) Regulations 2016 for the release of substances to the environment.

This data is sourced from the Environment Agency and Natural Resources Wales.

4.11 Licensed pollutant release (Part A(2)/B)

Records within 500m

0

Records of Part A(2) and Part B installations regulated under the Environmental Permitting (England and Wales) Regulations 2016 for the release of substances to the environment.

This data is sourced from Local Authority records.

4.12 Radioactive Substance Authorisations

Records within 500m

0

Records of the storage, use, accumulation and disposal of radioactive substances regulated under the Radioactive Substances Act 1993.

This data is sourced from the Environment Agency and Natural Resources Wales.



4.13 Licensed Discharges to controlled waters

Records within 500m

1

Discharges of treated or untreated effluent to controlled waters under the Water Resources Act 1991. Features are displayed on the Current industrial land use map on **page 21**

ID	Location	Address	Details	
1	467m SW	J.SMITH ESQ., STAFF COTTAGE, LITTLETON STUD LITTLETON, WINCHESTER HAMPSHIRE	Effluent Type: SEWAGE DISCHARGES - FINAL/TREATED EFFLUENT - NOT WATER COMPANY Permit Number: P01377 Permit Version: 1 Receiving Water: INTO LAND	Status: LAPSED UNDER SCHEDULE 23 ENVIRONMENT ACT 1995 Issue date: 01/03/1989 Effective Date: 01/03/1989 Revocation Date: 31/03/1997

This data is sourced from the Environment Agency and Natural Resources Wales.

4.14 Pollutant release to surface waters (Red List)

Records within 500m

0

Discharges of specified substances under the Environmental Protection (Prescribed Processes and Substances) Regulations 1991.

This data is sourced from the Environment Agency and Natural Resources Wales.

4.15 Pollutant release to public sewer

Records within 500m

0

Discharges of Special Category Effluents to the public sewer.

This data is sourced from the Environment Agency and Natural Resources Wales.

4.16 List 1 Dangerous Substances

Records within 500m

0

Discharges of substances identified on List I of European Directive E 2006/11/EC, and regulated under the Environmental Damage (Prevention and Remediation) Regulations 2015.

This data is sourced from the Environment Agency and Natural Resources Wales.



4.17 List 2 Dangerous Substances

Records within 500m

0

Discharges of substances identified on List II of European Directive E 2006/11/EC, and regulated under the Environmental Damage (Prevention and Remediation) Regulations 2015.

This data is sourced from the Environment Agency and Natural Resources Wales.

4.18 Pollution Incidents (EA/NRW)

Records within 500m

0

Records of substantiated pollution incidents. Since 2006 this data has only included category 1 (major) and 2 (significant) pollution incidents.

This data is sourced from the Environment Agency and Natural Resources Wales.

4.19 Pollution inventory substances

Records within 500m

0

The pollution inventory (substances) includes reporting on annual emissions of certain regulated substances to air, controlled waters and land. A reporting threshold for each substance is also included. Where emissions fall below the reporting threshold, no value will be given. The data is given for the most recent complete year available.

This data is sourced from the Environment Agency and the Scottish Environment Protection Agency.

4.20 Pollution inventory waste transfers

Records within 500m

0

The pollution inventory (waste transfers) includes reporting on annual transfers and recovery/disposal of controlled wastes from a site. A reporting threshold for each waste type is also included. Where releases fall below the reporting threshold, no value will be given. The data is given for the most recent complete year available.

This data is sourced from the Environment Agency and the Scottish Environment Protection Agency.

4.21 Pollution inventory radioactive waste

Records within 500m

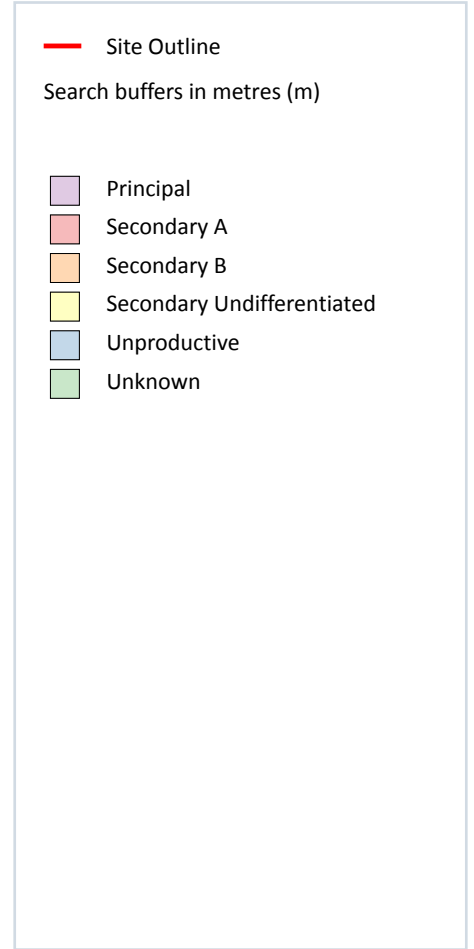
0

The pollution inventory (radioactive wastes) includes reporting on annual releases of radioactive substances from a site, including the means of release. Where releases fall below the reporting threshold, no value will be given. The data is given for the most recent complete year available.

This data is sourced from the Environment Agency and the Scottish Environment Protection Agency.



5 Hydrogeology - Superficial aquifer



5.1 Superficial aquifer

Records within 500m

1

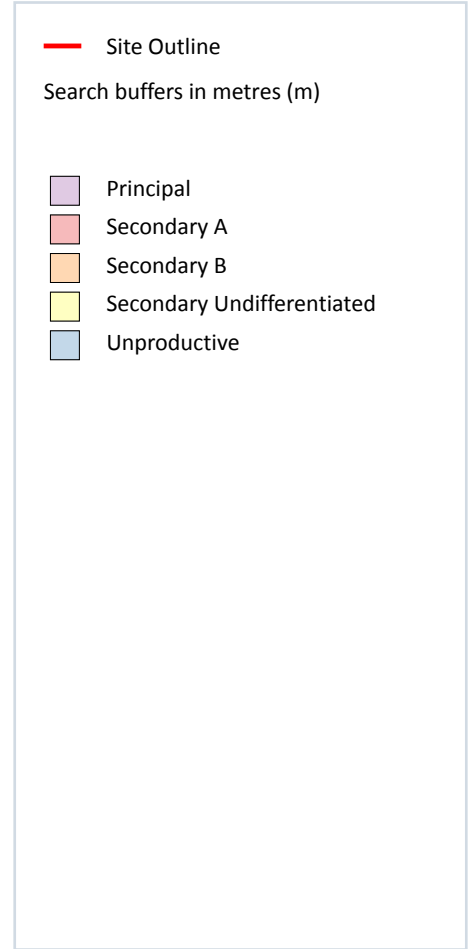
Aquifer status of groundwater held within superficial geology.

Features are displayed on the Hydrogeology map on **page 26**

ID	Location	Designation	Description
1	27m W	Secondary Undifferentiated	Assigned where it is not possible to attribute either category A or B to a rock type. In general these layers have previously been designated as both minor and non-aquifer in different locations due to the variable characteristics of the rock type

This data is sourced from the British Geological Survey, the Environment Agency and Natural Resources Wales.

Bedrock aquifer



5.2 Bedrock aquifer

Records within 500m

1

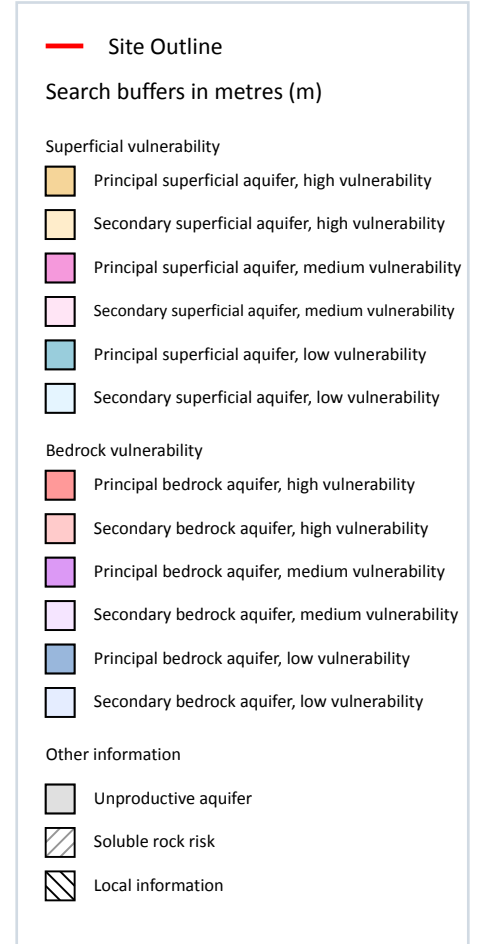
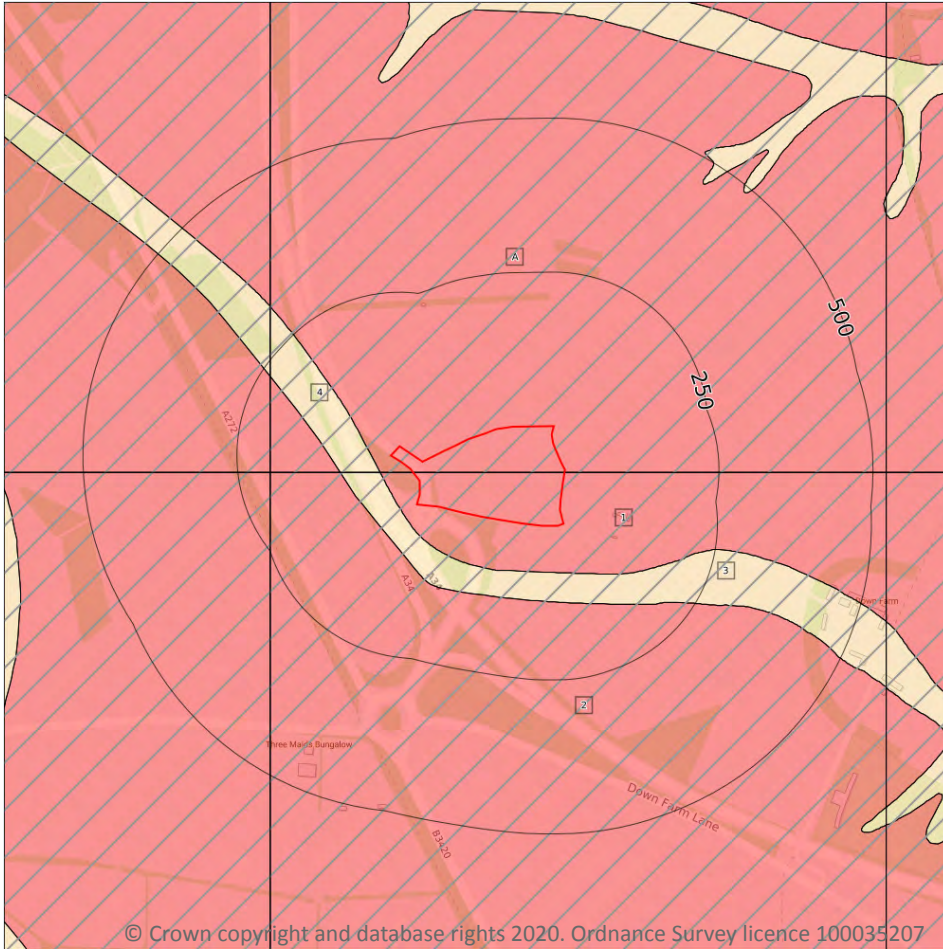
Aquifer status of groundwater held within bedrock geology.

Features are displayed on the Bedrock aquifer map on **page 27**

ID	Location	Designation	Description
1	On site	Principal	Geology of high intergranular and/or fracture permeability, usually providing a high level of water storage and may support water supply/river base flow on a strategic scale. Generally principal aquifers were previously major aquifers

This data is sourced from the British Geological Survey, the Environment Agency and Natural Resources Wales.

Groundwater vulnerability



5.3 Groundwater vulnerability

Records within 50m

4

An assessment of the vulnerability of groundwater to a pollutant discharged at ground level based on the hydrological, geological, hydrogeological and soil properties within a one kilometre square grid. Groundwater vulnerability is described as High, Medium or Low as follows:

- High - Areas able to easily transmit pollution to groundwater. They are likely to be characterised by high leaching soils and the absence of low permeability superficial deposits.
- Medium - Intermediate between high and low vulnerability.
- Low - Areas that provide the greatest protection from pollution. They are likely to be characterised by low leaching soils and/or the presence of superficial deposits characterised by a low permeability.

Features are displayed on the Groundwater vulnerability map on **page 28**

ID	Location	Summary	Soil / surface	Superficial geology	Bedrock geology
1	On site	Summary Classification: Principal bedrock aquifer - High Vulnerability Combined classification: Productive Bedrock Aquifer, No Superficial Aquifer	Leaching class: High Infiltration value: >70% Dilution value: 300-550mm/year	Vulnerability: - Aquifer type: - Thickness: <3m Patchiness value: <90% Recharge potential: No Data	Vulnerability: High Aquifer type: Principal Flow mechanism: Well connected fractures
A	On site	Summary Classification: Principal bedrock aquifer - High Vulnerability Combined classification: Productive Bedrock Aquifer, No Superficial Aquifer	Leaching class: High Infiltration value: >70% Dilution value: 300-550mm/year	Vulnerability: - Aquifer type: - Thickness: <3m Patchiness value: <90% Recharge potential: No Data	Vulnerability: High Aquifer type: Principal Flow mechanism: Well connected fractures
3	26m W	Summary Classification: Secondary superficial aquifer - High Vulnerability Combined classification: Productive Bedrock Aquifer, Productive Superficial Aquifer	Leaching class: High Infiltration value: >70% Dilution value: 300-550mm/year	Vulnerability: High Aquifer type: Secondary Thickness: <3m Patchiness value: <90% Recharge potential: No Data	Vulnerability: High Aquifer type: Principal Flow mechanism: Well connected fractures
4	28m SW	Summary Classification: Secondary superficial aquifer - High Vulnerability Combined classification: Productive Bedrock Aquifer, Productive Superficial Aquifer	Leaching class: High Infiltration value: >70% Dilution value: 300-550mm/year	Vulnerability: High Aquifer type: Secondary Thickness: <3m Patchiness value: <90% Recharge potential: No Data	Vulnerability: High Aquifer type: Principal Flow mechanism: Well connected fractures

This data is sourced from the British Geological Survey, the Environment Agency and Natural Resources Wales.

5.4 Groundwater vulnerability- soluble rock risk

Records on site

2

This dataset identifies areas where solution features that enable rapid movement of a pollutant may be present within a 1km grid square.

ID	Maximum soluble risk category	Percentage of grid square covered by maximum risk
2	Significant soluble rocks are likely to be present. Low possibility of localised subsidence or dissolution-related degradation of bedrock occurring naturally, but may be possible in adverse conditions such as high surface or subsurface water flow.	6.0%
A	Significant soluble rocks are likely to be present. Low possibility of localised subsidence or dissolution-related degradation of bedrock occurring naturally, but may be possible in adverse conditions such as high surface or subsurface water flow.	11.0%



This data is sourced from the British Geological Survey and the Environment Agency.

5.5 Groundwater vulnerability- local information

Records on site

0

This dataset identifies areas where additional local information affecting vulnerability is held by the Environment Agency. Further information can be obtained by contacting the Environment Agency local Area groundwater team through the Environment Agency National Customer Call Centre on 03798 506 506 or by email on enquiries@environment-agency.gov.uk.

This data is sourced from the British Geological Survey and the Environment Agency.



Abstractions and Source Protection Zones



5.6 Groundwater abstractions

Records within 2000m

2

Licensed groundwater abstractions for sites extracting more than 20 cubic metres of water a day and includes active and historical records. The data may be for a single abstraction point, between two points (line data) or a larger area.

Features are displayed on the Abstractions and Source Protection Zones map on **page 31**

ID	Location	Details	
2	552m SE	Status: Active Licence No: 11/42/22.5/73 Details: General Farming & Domestic Direct Source: Southern Region Groundwater Point: UPPER & DOWN FARMS POINT A, HEADBOURNE WORTHY Data Type: Point Name: Trustees Of The Late Mrs E G Brown Easting: 446980 Northing: 133690	Annual Volume (m ³): 2,682 Max Daily Volume (m ³): 36.40 Original Application No: - Original Start Date: 23/12/1965 Expiry Date: - Issue No: 100 Version Start Date: 01/04/2008 Version End Date: -
-	1859m NW	Status: Historical Licence No: 33/240 Details: General Washing/Process Washing Direct Source: Southern Region Groundwater Point: POINT B AT LARKWHISTLE FARM Data Type: Point Name: Pentex Oil UK Ltd Easting: 445150 Northing: 135570	Annual Volume (m ³): - Max Daily Volume (m ³): - Original Application No: - Original Start Date: 11/04/2001 Expiry Date: 31/03/2013 Issue No: 2 Version Start Date: 24/06/2003 Version End Date: -

This data is sourced from the Environment Agency and Natural Resources Wales.

5.7 Surface water abstractions

Records within 2000m

0

Licensed surface water abstractions for sites extracting more than 20 cubic metres of water a day and includes active and historical records. The data may be for a single abstraction point, a stretch of watercourse or a larger area.

This data is sourced from the Environment Agency and Natural Resources Wales.

5.8 Potable abstractions

Records within 2000m

0

Licensed potable water abstractions for sites extracting more than 20 cubic metres of water a day and includes active and historical records. The data may be for a single abstraction point, a stretch of watercourse or a larger area.

This data is sourced from the Environment Agency and Natural Resources Wales.



5.9 Source Protection Zones

Records within 500m

1

Source Protection Zones define the sensitivity of an area around a potable abstraction site to contamination. Features are displayed on the Abstractions and Source Protection Zones map on **page 31**

ID	Location	Type	Description
1	389m NE	2	Outer catchment

This data is sourced from the Environment Agency and Natural Resources Wales.

5.10 Source Protection Zones (confined aquifer)

Records within 500m

0

Source Protection Zones in the confined aquifer define the sensitivity around a deep groundwater abstraction to contamination. A confined aquifer would normally be protected from contamination by overlying geology and is only considered a sensitive resource if deep excavation/drilling is taking place.

This data is sourced from the Environment Agency and Natural Resources Wales.



6 Hydrology



- Site Outline
- Search buffers in metres (m)
- Water Network (OS MasterMap)
- Surface water features (wider than 5m)
- Surface water features (narrower than 5m)
- - - WFD River, canal and surface water transfer water bodies
- WFD Lake water bodies
- WFD Transitional and coastal water bodies
- WFD Surface water body catchments boundaries
- - - WFD Groundwater body boundaries

6.1 Water Network (OS MasterMap)

Records within 250m

0

Detailed water network of Great Britain showing the flow and precise central course of every river, stream, lake and canal.

This data is sourced from the Ordnance Survey.

6.2 Surface water features

Records within 250m

0

Covering rivers, streams and lakes (some overlap with OS MasterMap Water Network data in previous section) but additionally covers smaller features such as ponds. Rivers and streams narrower than 5m are represented as a single line. Lakes, ponds and rivers or streams wider than 5m are represented as polygons.

This data is sourced from the Ordnance Survey.

6.3 WFD Surface water body catchments

Records on site	1
------------------------	----------

The Water Framework Directive is an EU-led framework for the protection of inland surface waters, estuaries, coastal waters and groundwater through river basin-level management planning. In terms of surface water, these basins are broken down into smaller units known as management, operational and water body catchments.

Features are displayed on the Hydrology map on **page 34**

ID	Location	Type	Water body catchment	Water body ID	Operational catchment	Management catchment
1	On site	River WB catchment	Nun's Walk Stream	GB107042022730	Itchen	Test and Itchen

This data is sourced from the Environment Agency and Natural Resources Wales.

6.4 WFD Surface water bodies

Records identified	1
---------------------------	----------

Surface water bodies under the Directive may be rivers, lakes, estuary or coastal. To achieve the purpose of the Directive, environmental objectives have been set and are reported on for each water body. The progress towards delivery of the objectives is then reported on by the relevant competent authorities at the end of each six-year cycle. The river water body directly associated with the catchment listed in the previous section is detailed below, along with any lake, canal, coastal or artificial water body within 250m of the site. Click on the water body ID in the table to visit the EA Catchment Explorer to find out more about each water body listed.

Features are displayed on the Hydrology map on **page 34**

ID	Location	Type	Name	Water body ID	Overall rating	Chemical rating	Ecological rating	Year
-	2650m SE	River	Nun's Walk Stream	GB107042022730	Good	Good	Good	2016

This data is sourced from the Environment Agency and Natural Resources Wales.



6.5 WFD Groundwater bodies

Records on site	2
------------------------	----------

Groundwater bodies are also covered by the Directive and the same regime of objectives and reporting detailed in the previous section is in place. Click on the water body ID in the table to visit the EA Catchment Explorer to find out more about each groundwater body listed.

Features are displayed on the Hydrology map on **page 34**

ID	Location	Name	Water body ID	Overall rating	Chemical rating	Quantitative	Year
2	On site	River Test Chalk	<u>GB40701G501200</u>	Poor	Poor	Good	2015
3	On site	River Itchen Chalk	<u>GB40701G505000</u>	Poor	Poor	Poor	2015

This data is sourced from the Environment Agency and Natural Resources Wales.

7 River and coastal flooding

7.1 Risk of Flooding from Rivers and Sea (RoFRaS)

Records within 50m

0

The chance of flooding from rivers and/or the sea in any given year, based on cells of 50m. Each cell is allocated one of four flood risk categories, taking into account flood defences and their condition; Very low (less than 1 in 1000 chance in any given year), Low (less than 1 in 100 but greater than or equal to 1 in 1000 chance), Medium (less than 1 in 30 but greater than or equal to 1 in 100 chance) or High (greater than or equal to 1 in 30 chance).

This data is sourced from the Environment Agency and Natural Resources Wales.

7.2 Historical Flood Events

Records within 250m

0

Records of historic flooding from rivers, the sea, groundwater and surface water. Records began in 1946 when predecessor bodies started collecting detailed information about flooding incidents, although limited details may be included on flooding incidents prior to this date. Takes into account the presence of defences, structures, and other infrastructure where they existed at the time of flooding, and includes flood extents that may have been affected by overtopping, breaches or blockages.

This data is sourced from the Environment Agency and Natural Resources Wales.

7.3 Flood Defences

Records within 250m

0

Records of flood defences owned, managed or inspected by the Environment Agency and Natural Resources Wales. Flood defences can be structures, buildings or parts of buildings. Typically these are earth banks, stone and concrete walls, or sheet-piling that is used to prevent or control the extent of flooding.

This data is sourced from the Environment Agency and Natural Resources Wales.

7.4 Areas Benefiting from Flood Defences

Records within 250m

0

Areas that would benefit from the presence of flood defences in a 1 in 100 (1%) chance of flooding each year from rivers or 1 in 200 (0.5%) chance of flooding each year from the sea.

This data is sourced from the Environment Agency and Natural Resources Wales.



7.5 Flood Storage Areas

Records within 250m

0

Areas that act as a balancing reservoir, storage basin or balancing pond to attenuate an incoming flood peak to a flow level that can be accepted by the downstream channel or to delay the timing of a flood peak so that its volume is discharged over a longer period.

This data is sourced from the Environment Agency and Natural Resources Wales.



River and coastal flooding - Flood Zones

7.6 Flood Zone 2

Records within 50m

0

Areas of land at risk of flooding, when the presence of flood defences are ignored. Covering land between Flood Zone 3 (see next section) and the extent of the flooding from rivers or the sea with a 1 in 1000 (0.1%) chance of flooding each year.

This data is sourced from the Environment Agency and Natural Resources Wales.

7.7 Flood Zone 3

Records within 50m

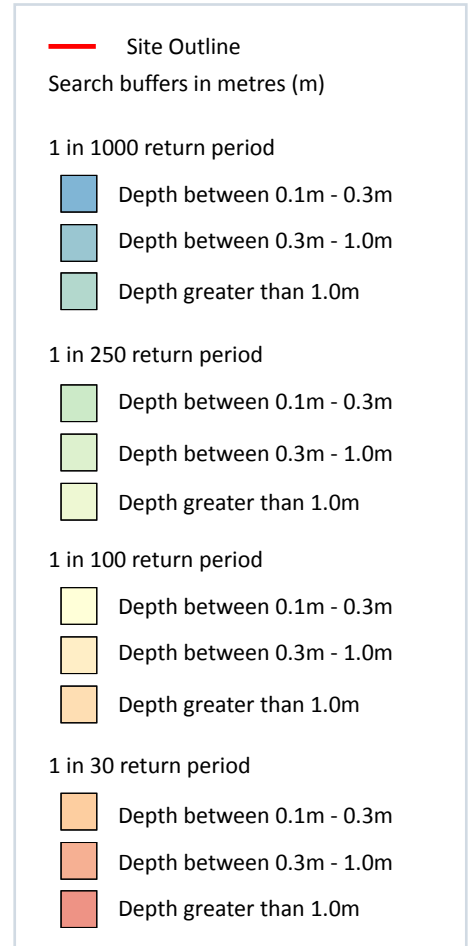
0

Areas of land at risk of flooding, when the presence of flood defences are ignored. Covering land with a 1 in 100 (1%) or greater chance of flooding each year from rivers or a 1 in 200 (0.5%) or greater chance of flooding each year from the sea.

This data is sourced from the Environment Agency and Natural Resources Wales.



8 Surface water flooding



8.1 Surface water flooding

Highest risk on site

Negligible

Highest risk within 50m

1 in 30 year, 0.1m - 0.3m

Ambiental Risk Analytics surface water (pluvial) FloodMap identifies areas likely to flood as a result of extreme rainfall events, i.e. land naturally vulnerable to surface water ponding or flooding. This data set was produced by simulating 1 in 30 year, 1 in 100 year, 1 in 250 year and 1 in 1,000 year rainfall events. Modern urban drainage systems are typically built to cope with rainfall events between 1 in 20 and 1 in 30 years, though some older ones may flood in a 1 in 5 year rainfall event.

Features are displayed on the Surface water flooding map on **page 40**

The data shown on the map and in the table above shows the highest likelihood of flood events happening at the site. Lower likelihood events may have greater flood depths and hence a greater potential impact on a site.

The table below shows the maximum flood depths for a range of return periods for the site.

Return period	Maximum modelled depth
1 in 1000 year	Negligible
1 in 250 year	Negligible
1 in 100 year	Negligible
1 in 30 year	Negligible

This data is sourced from Ambiental Risk Analytics.



9 Groundwater flooding



9.1 Groundwater flooding

Highest risk on site

Low

Highest risk within 50m

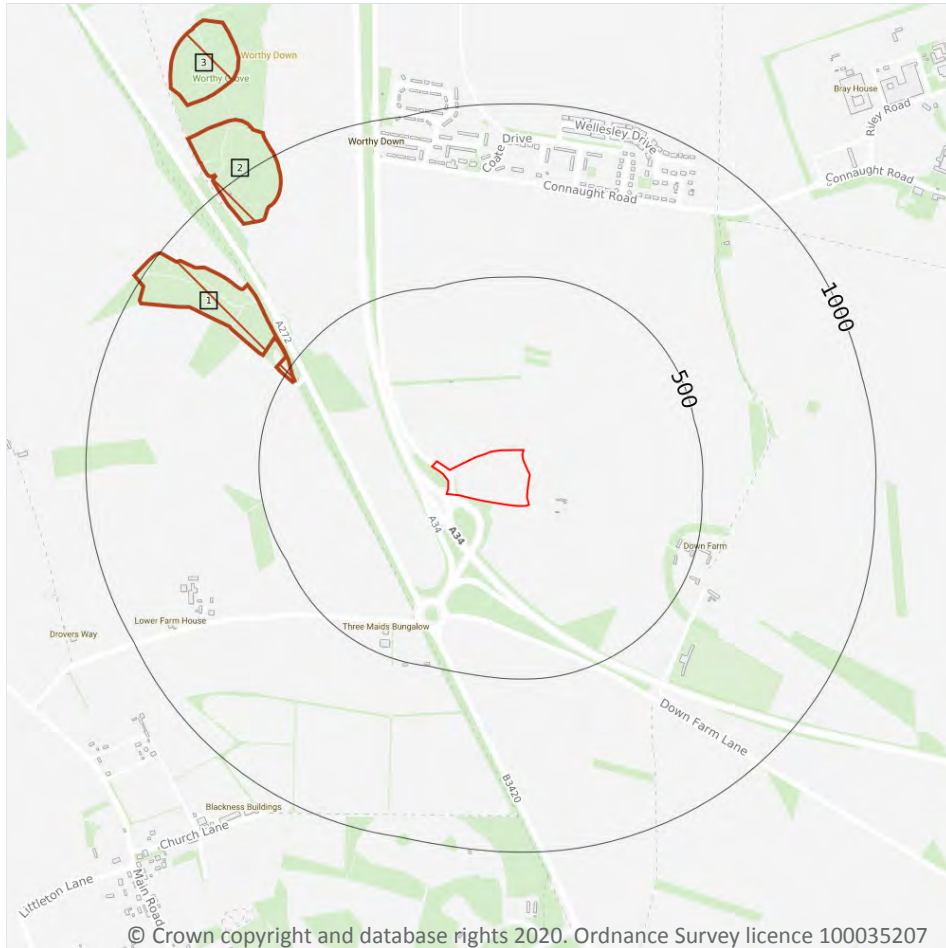
Low

Groundwater flooding is caused by unusually high groundwater levels. It occurs when the water table rises above the ground surface or within underground structures such as basements or cellars. Groundwater flooding tends to exhibit a longer duration than surface water flooding, possibly lasting for weeks or months, and as a result it can cause significant damage to property. This risk assessment is based on a 1 in 100 year return period and a 5m Digital Terrain Model (DTM).

Features are displayed on the Groundwater flooding map on **page 42**

This data is sourced from Ambiental Risk Analytics.

10 Environmental designations



- Site Outline
- Search buffers in metres (m)
- Designated Ancient Woodland

10.1 Sites of Special Scientific Interest (SSSI)

Records within 2000m

0

Sites providing statutory protection for the best examples of UK flora, fauna, or geological or physiographical features. Originally notified under the National Parks and Access to the Countryside Act 1949, SSSIs were re-notified under the Wildlife and Countryside Act 1981. Improved provisions for the protection and management of SSSIs were introduced by the Countryside and Rights of Way Act 2000 (in England and Wales) and (in Scotland) by the Nature Conservation (Scotland) Act 2004 and the Wildlife and Natural Environment (Scotland) Act 2010.

This data is sourced from Natural England, Natural Resources Wales and Scottish Natural Heritage.

10.2 Conserved wetland sites (Ramsar sites)

Records within 2000m

0

Ramsar sites are designated under the Convention on Wetlands of International Importance, agreed in Ramsar, Iran, in 1971. They cover all aspects of wetland conservation and wise use, recognizing wetlands as ecosystems that are extremely important for biodiversity conservation in general and for the well-being of human communities. These sites cover a broad definition of wetland; marsh, fen, peatland or water, whether natural or artificial, permanent or temporary, with water that is static or flowing, fresh, brackish or salt, and even some marine areas.

This data is sourced from Natural England, Natural Resources Wales and Scottish Natural Heritage.

10.3 Special Areas of Conservation (SAC)

Records within 2000m

0

Areas which have been identified as best representing the range and variety within the European Union of habitats and (non-bird) species listed on Annexes I and II to the Directive. SACs are designated under the EC Habitats Directive.

This data is sourced from Natural England, Natural Resources Wales and Scottish Natural Heritage.

10.4 Special Protection Areas (SPA)

Records within 2000m

0

Sites classified by the UK Government under the EC Birds Directive, SPAs are areas of the most important habitat for rare (listed on Annex I to the Directive) and migratory birds within the European Union.

This data is sourced from Natural England, Natural Resources Wales and Scottish Natural Heritage.

10.5 National Nature Reserves (NNR)

Records within 2000m

0

Sites containing examples of some of the most important natural and semi-natural terrestrial and coastal ecosystems in Great Britain. They are managed to conserve their habitats, provide special opportunities for scientific study or to provide public recreation compatible with natural heritage interests.

This data is sourced from Natural England, Natural Resources Wales and Scottish Natural Heritage.



10.6 Local Nature Reserves (LNR)

Records within 2000m

0

Sites managed for nature conservation, and to provide opportunities for research and education, or simply enjoying and having contact with nature. They are declared by local authorities under the National Parks and Access to the Countryside Act 1949 after consultation with the relevant statutory nature conservation agency.

This data is sourced from Natural England, Natural Resources Wales and Scottish Natural Heritage.

10.7 Designated Ancient Woodland

Records within 2000m

4

Ancient woodlands are classified as areas which have been wooded continuously since at least 1600 AD. This includes semi-natural woodland and plantations on ancient woodland sites. 'Wooded continuously' does not mean there is or has previously been continuous tree cover across the whole site, and not all trees within the woodland have to be old.

Features are displayed on the Environmental designations map on **page 43**

ID	Location	Name	Woodland Type
1	467m NW	Worthy Copse	Ancient & Semi-Natural Woodland
2	859m NW	South Worthy Grove	Ancient & Semi-Natural Woodland
3	1241m NW	Unknown	Ancient & Semi-Natural Woodland
-	1779m SW	Long Wood	Ancient & Semi-Natural Woodland

This data is sourced from Natural England, Natural Resources Wales and Scottish Natural Heritage.

10.8 Biosphere Reserves

Records within 2000m

0

Biosphere Reserves are internationally recognised by UNESCO as sites of excellence to balance conservation and socioeconomic development between nature and people. They are recognised under the Man and the Biosphere (MAB) Programme with the aim of promoting sustainable development founded on the work of the local community.

This data is sourced from Natural England, Natural Resources Wales and Scottish Natural Heritage.



10.9 Forest Parks

Records within 2000m

0

These are areas managed by the Forestry Commission designated on the basis of recreational, conservation or scenic interest.

This data is sourced from the Forestry Commission.

10.10 Marine Conservation Zones

Records within 2000m

0

A type of marine nature reserve in UK waters established under the Marine and Coastal Access Act (2009). They are designated with the aim to protect nationally important, rare or threatened habitats and species.

This data is sourced from Natural England, Natural Resources Wales and Scottish Natural Heritage.

10.11 Green Belt

Records within 2000m

0

Areas designated to prevent urban sprawl by keeping land permanently open.

This data is sourced from the Ministry of Housing, Communities and Local Government.

10.12 Proposed Ramsar sites

Records within 2000m

0

Ramsar sites are areas listed as a Wetland of International Importance under the Convention on Wetlands of International Importance especially as Waterfowl Habitat (the Ramsar Convention) 1971. The sites here supplied have a status of 'Proposed' having been identified for potential adoption under the framework.

This data is sourced from Natural England.

10.13 Possible Special Areas of Conservation (pSAC)

Records within 2000m

0

Special Areas of Conservation are areas which have been identified as best representing the range and variety within the European Union of habitats and (non-bird) species listed on Annexes I and II to the Directive. SACs are designated under the EC Habitats Directive. Those sites supplied here are those with a status of 'Possible' having been identified for potential adoption under the framework.

This data is sourced from Natural England and Natural Resources Wales.



10.14 Potential Special Protection Areas (pSPA)

Records within 2000m

0

Special Protection Areas (SPAs) are areas designated (or 'classified') under the European Union Wild Birds Directive for the protection of nationally and internationally important populations of wild birds. Those sites supplied here are those with a status of 'Potential' having been identified for potential adoption under the framework.

This data is sourced from Natural England.

10.15 Nitrate Sensitive Areas

Records within 2000m

0

Areas where nitrate concentrations in drinking water sources exceeded or was at risk of exceeding the limit of 50 mg/l set by the 1980 EC Drinking Water Directive. Voluntary agricultural measures as a means of reducing the levels of nitrate were introduced by DEFRA as MAFF, with payments being made to farmers who complied. The scheme was started as a pilot in 1990 in ten areas, later implemented within 32 areas. The scheme was closed to further new entrants in 1998, although existing agreements continued for their full term. All Nitrate Sensitive Areas fell within the areas designated as Nitrate Vulnerable Zones (NVZs) in 1996 under the EC Nitrate Directive (91/676/EEC).

This data is sourced from Natural England.

10.16 Nitrate Vulnerable Zones

Records within 2000m

6

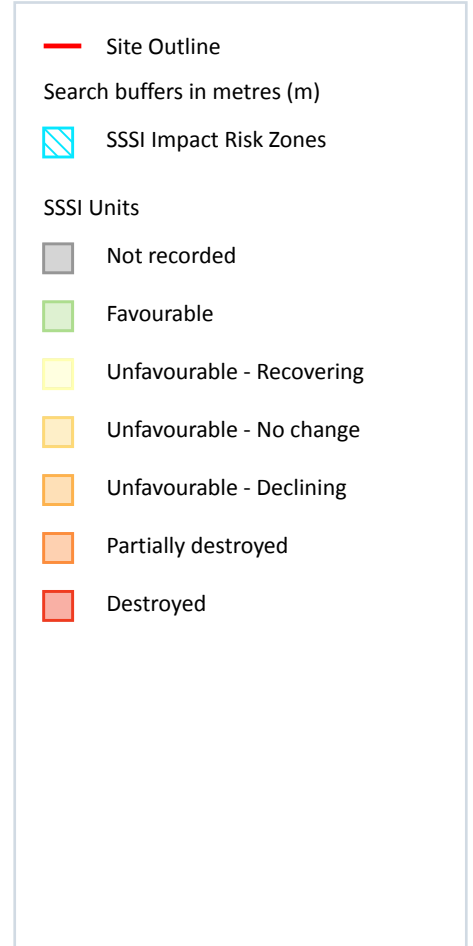
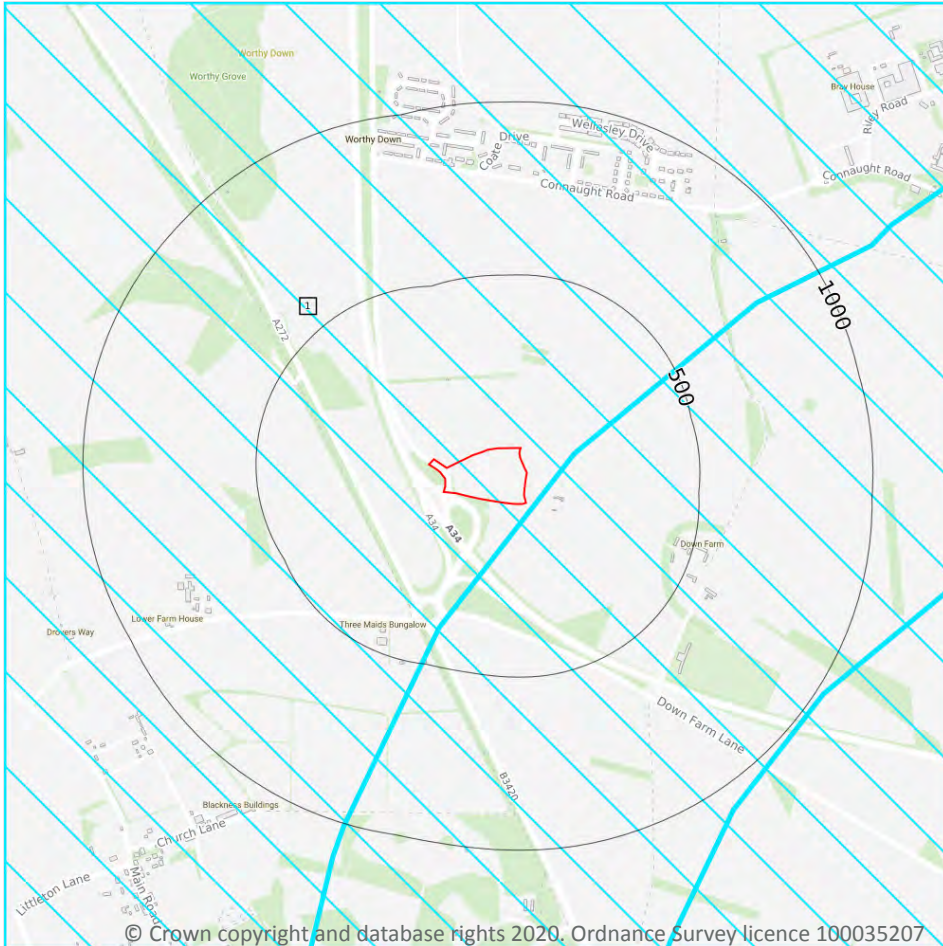
Areas at risk from agricultural nitrate pollution designated under the EC Nitrate Directive (91/676/EEC). These are areas of land that drain into waters polluted by nitrates. Farmers operating within these areas have to follow mandatory rules to tackle nitrate loss from agriculture.

Location	Name	Type	NVZ ID	Status
On site	Nun's Walk Stream NVZ	Surface Water	S812	New
On site	Hamble Estuary Eutrophic NVZ (TraC)	Eutrophic Water	ET3	Existing
On site	Hampshire Chalk	Groundwater	G143	Existing
1908m N	Hamble Estuary Eutrophic NVZ (TraC)	Eutrophic Water	ET3	Existing
1908m N	Hampshire Chalk	Groundwater	G143	Existing
1960m NE	Nun's Walk Stream NVZ	Surface Water	S812	New

This data is sourced from Natural England and Natural Resources Wales.



SSSI Impact Zones and Units



10.17 SSSI Impact Risk Zones

Records on site

1

Developed to allow rapid initial assessment of the potential risks to SSSIs posed by development proposals. They define zones around each SSSI which reflect the particular sensitivities of the features for which it is notified and indicate the types of development proposal which could potentially have adverse impacts.

Features are displayed on the SSSI Impact Zones and Units map on **page 48**

ID	Location	Type of developments requiring consultation
1	On site	<p>Infrastructure - Airports, helipads and other aviation proposals.</p> <p>Air pollution - Any industrial/agricultural development that could cause AIR POLLUTION (incl: industrial processes, livestock & poultry units with floorspace > 500m², slurry lagoons > 750m² & manure stores > 3500t)</p> <p>Combustion - General combustion processes >50MW energy input. Incl: energy from waste incineration, other incineration, landfill gas generation plant, pyrolysis/gasification, anaerobic digestion, sewage treatment works, other incineration/ combustion</p> <p>Discharges - Any discharge of water or liquid waste that is discharged to ground (ie to seep away) or to surface water, such as a beck or stream.</p> <p>Notes: SOLENT NUTRIENT IMPACT AREA. For new development with overnight accommodation Reg 63 of the Conservation of Habitats and Species Regulations 2017 must be applied. LPA to refer to Natural England's Solent Nutrient Neutrality Advice Note June 2019.</p>

This data is sourced from Natural England.

10.18 SSSI Units

Records within 2000m	0
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Divisions of SSSIs used to record management and condition details. Units are the smallest areas for which Natural England gives a condition assessment, however, the size of units varies greatly depending on the types of management and the conservation interest.

This data is sourced from Natural England and Natural Resources Wales.

11 Visual and cultural designations



- Site Outline
- Search buffers in metres (m)
- Listed buildings
- Conservation areas
- Conservation areas - no data
- National Parks
- Areas of Outstanding Natural Beauty
- Registered parks and gardens
- Scheduled Monuments
- World Heritage Sites

11.1 World Heritage Sites

Records within 250m

0

Sites designated for their globally important cultural or natural interest requiring appropriate management and protection measures. World Heritage Sites are designated to meet the UK's commitments under the World Heritage Convention.

This data is sourced from Historic England, Cadw and Historic Environment Scotland.

11.2 Area of Outstanding Natural Beauty

Records within 250m

0

Areas of Outstanding Natural Beauty (AONB) are conservation areas, chosen because they represent 18% of the finest countryside. Each AONB has been designated for special attention because of the quality of their flora, fauna, historical and cultural associations, and/or scenic views. The National Parks and Access to the Countryside Act of 1949 created AONBs and the Countryside and Rights of Way Act, 2000 added further regulation and protection. There are likely to be restrictions to some developments within these areas.

This data is sourced from Natural England, Natural Resources Wales and Scottish Natural Heritage.

11.3 National Parks

Records within 250m

0

In England and Wales, the purpose of National Parks is to conserve and enhance landscapes within the countryside whilst promoting public enjoyment of them and having regard for the social and economic well-being of those living within them. In Scotland National Parks have the additional purpose of promoting the sustainable use of the natural resources of the area and the sustainable social and economic development of its communities. The National Parks and Access to the Countryside Act 1949 established the National Park designation in England and Wales, and The National Parks (Scotland) Act 2000 in Scotland.

This data is sourced from Natural England, Natural Resources Wales and the Scottish Government.

11.4 Listed Buildings

Records within 250m

0

Buildings listed for their special architectural or historical interest. Building control in the form of 'listed building consent' is required in order to make any changes to that building which might affect its special interest. Listed buildings are graded to indicate their relative importance, however building controls apply to all buildings equally, irrespective of their grade, and apply to the interior and exterior of the building in its entirety, together with any curtilage structures.

This data is sourced from English Heritage, Cadw and Historic Environment Scotland.

11.5 Conservation Areas

Records within 250m

1

Local planning authorities are obliged to designate as conservation areas any parts of their own area that are of special architectural or historic interest, the character and appearance of which it is desirable to preserve or enhance. Designation of a conservation area gives broader protection than the listing of individual buildings. All the features within the area, listed or otherwise, are recognised as part of its character. Conservation area designation is the means of recognising the importance of all factors and of ensuring that planning decisions address the quality of the landscape in its broadest sense.



Features are displayed on the Visual and cultural designations map on **page 50**

ID	Location	Name	District	Date of designation
1	On site	The Local Authority for this area have not supplied conservation area data.		-

This data is sourced from English Heritage, Cadw and Historic Environment Scotland.

11.6 Scheduled Ancient Monuments

Records within 250m	0
----------------------------	----------

A scheduled monument is an historic building or site that is included in the Schedule of Monuments kept by the Secretary of State for Digital, Culture, Media and Sport. The regime is set out in the Ancient Monuments and Archaeological Areas Act 1979. The Schedule of Monuments has c.20,000 entries and includes sites such as Roman remains, burial mounds, castles, bridges, earthworks, the remains of deserted villages and industrial sites. Monuments are not graded, but all are, by definition, considered to be of national importance.

This data is sourced from English Heritage, Cadw and Historic Environment Scotland.

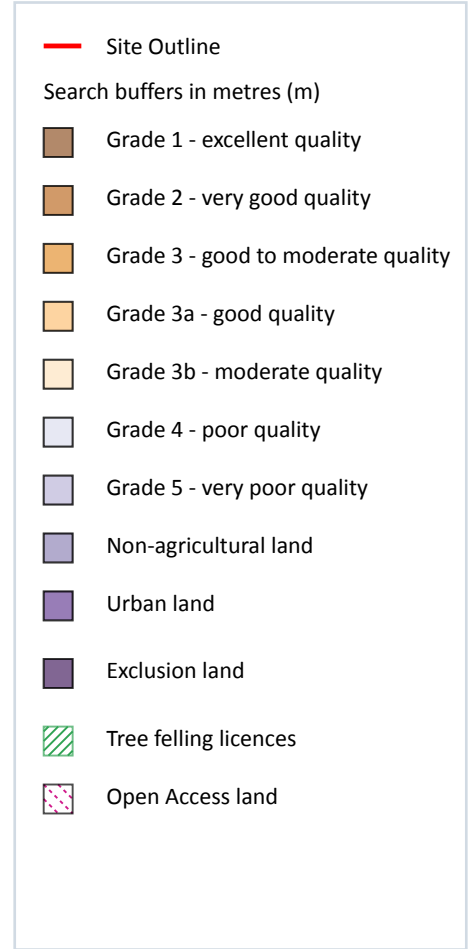
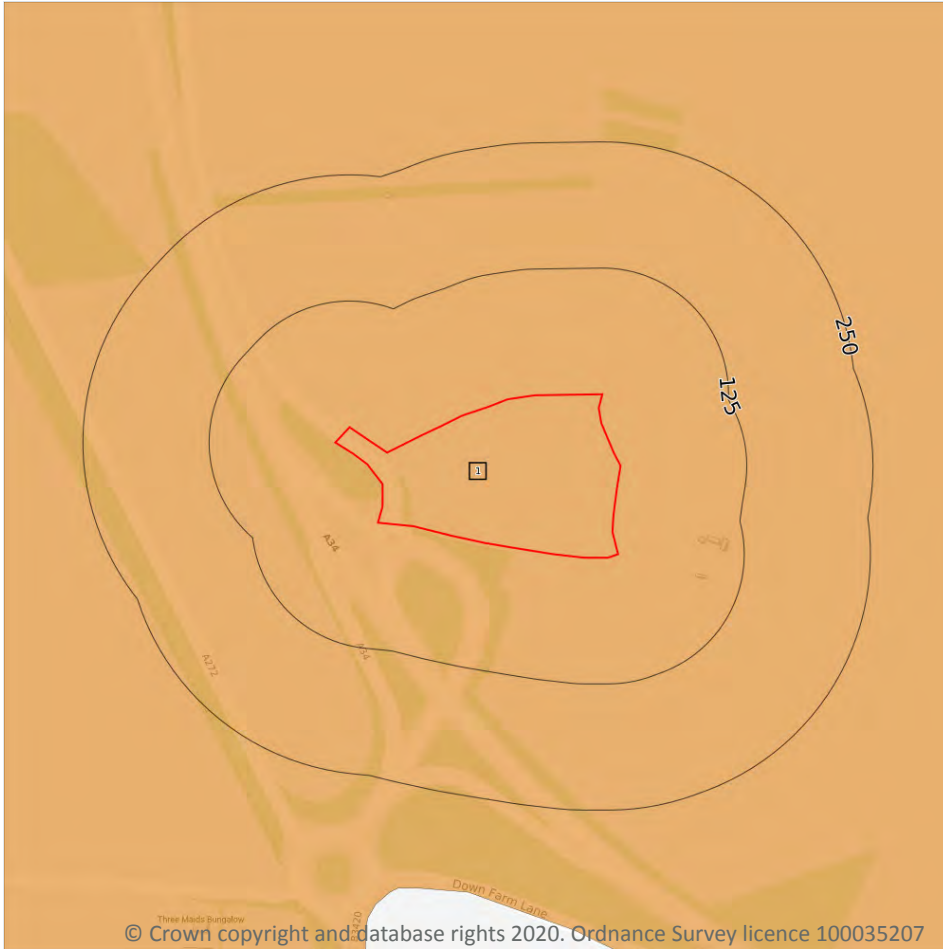
11.7 Registered Parks and Gardens

Records within 250m	0
----------------------------	----------

Parks and gardens assessed to be of particular interest and of special historic interest. The emphasis being on 'designed' landscapes, rather than on planting or botanical importance. Registration is a 'material consideration' in the planning process, meaning that planning authorities must consider the impact of any proposed development on the special character of the landscape.

This data is sourced from English Heritage, Cadw and Historic Environment Scotland.

12 Agricultural designations



12.1 Agricultural Land Classification

Records within 250m

1

Classification of the quality of agricultural land taking into consideration multiple factors including climate, physical geography and soil properties. It should be noted that the categories for the grading of agricultural land are not consistent across England, Wales and Scotland.

Features are displayed on the Agricultural designations map on **page 53**

ID	Location	Classification	Description
1	On site	Grade 3	Good to moderate quality agricultural land. Land with moderate limitations which affect the choice of crops, timing and type of cultivation, harvesting or the level of yield. Where more demanding crops are grown yields are generally lower or more variable than on land in Grades 1 and 2.

This data is sourced from Natural England.

12.2 Open Access Land

Records within 250m

0

The Countryside and Rights of Way Act 2000 (CROW Act) gives a public right of access to land without having to use paths. Access land includes mountains, moors, heaths and downs that are privately owned. It also includes common land registered with the local council and some land around the England Coast Path. Generally permitted activities on access land are walking, running, watching wildlife and climbing.

This data is sourced from Natural England and Natural Resources Wales.

12.3 Tree Felling Licences

Records within 250m

0

Felling Licence Application (FLA) areas approved by Forestry Commission England. Anyone wishing to fell trees must ensure that a licence or permission under a grant scheme has been issued by the Forestry Commission before any felling is carried out or that one of the exceptions apply.

This data is sourced from the Forestry Commission.

12.4 Environmental Stewardship Schemes

Records within 250m

0

Environmental Stewardship covers a range of schemes that provide financial incentives to farmers, foresters and land managers to look after and improve the environment.

This data is sourced from Natural England.

12.5 Countryside Stewardship Schemes

Records within 250m

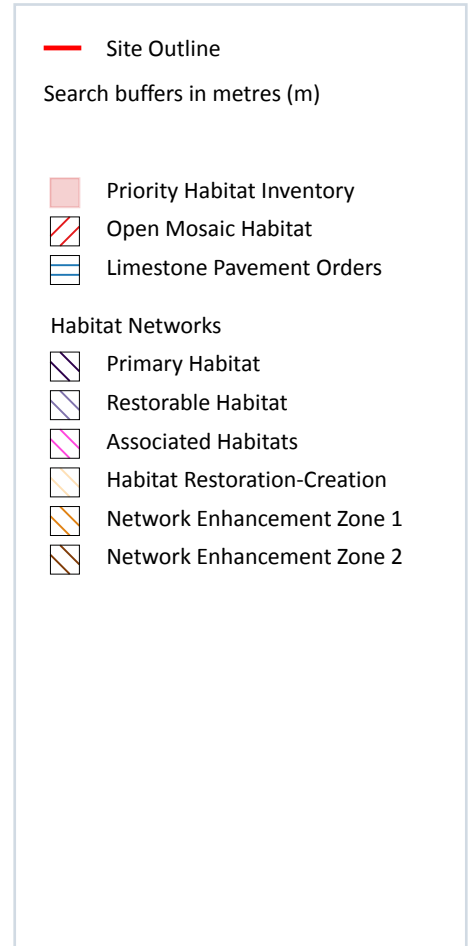
0

Countryside Stewardship covers a range of schemes that provide financial incentives to farmers, foresters and land managers to look after and improve the environment. Main objectives are to improve the farmed environment for wildlife and to reduce diffuse water pollution.

This data is sourced from Natural England.



13 Habitat designations



13.1 Priority Habitat Inventory

Records within 250m

4

Habitats of principal importance as named under Natural Environment and Rural Communities Act (2006) Section 41.

Features are displayed on the Habitat designations map on **page 55**

ID	Location	Main Habitat	Other habitats
1	30m S	Deciduous woodland	Main habitat: DWOOD (INV > 50%)
2	214m SW	Deciduous woodland	Main habitat: DWOOD (INV > 50%)
3	243m S	Deciduous woodland	Main habitat: DWOOD (INV > 50%)
4	250m NW	Deciduous woodland	Main habitat: DWOOD (INV > 50%)

This data is sourced from Natural England.

13.2 Habitat Networks

Records within 250m

0

Habitat networks for 18 priority habitat networks (based primarily, but not exclusively, on the priority habitat inventory) and areas suitable for the expansion of networks through restoration and habitat creation.

This data is sourced from Natural England.

13.3 Open Mosaic Habitat

Records within 250m

0

Sites verified as Open Mosaic Habitat. Mosaic habitats are brownfield sites that are identified under the UK Biodiversity Action Plan as a priority habitat due to the habitat variation within a single site, supporting an array of invertebrates.

This data is sourced from Natural England.

13.4 Limestone Pavement Orders

Records within 250m

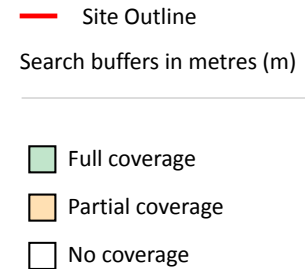
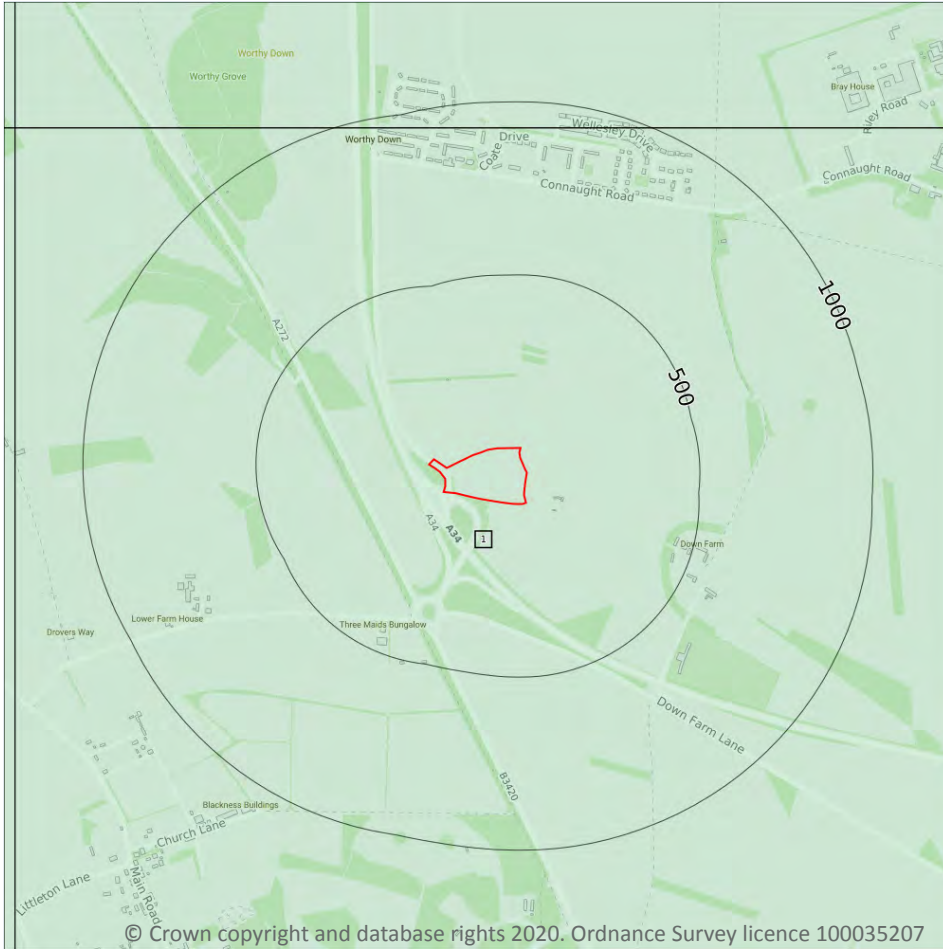
0

Limestone pavements are outcrops of limestone where the surface has been worn away by natural means over millennia. These rocks have the appearance of paving blocks, hence their name. Not only do they have geological interest, they also provide valuable habitats for wildlife. These habitats are threatened due to their removal for use in gardens and water features. Many limestone pavements have been designated as SSSIs which affords them some protection. In addition, Section 34 of the Wildlife and Countryside Act 1981 gave them additional protection via the creation of Limestone Pavement Orders, which made it a criminal offence to remove any part of the outcrop. The associated Limestone Pavement Priority Habitat is part of the UK Biodiversity Action Plan priority habitat in England.

This data is sourced from Natural England.



14 Geology 1:10,000 scale - Availability



14.1 10k Availability

Records within 500m

1

An indication on the coverage of 1:10,000 scale geology data for the site, the most detailed dataset provided by the British Geological Survey. Either 'Full', 'Partial' or 'No coverage' for each geological theme.

Features are displayed on the Geology 1:10,000 scale - Availability map on [page 57](#)

ID	Location	Artificial	Superficial	Bedrock	Mass movement	Sheet No.
1	On site	Full	Full	Full	No coverage	SU43SE

This data is sourced from the British Geological Survey.



Geology 1:10,000 scale - Artificial and made ground



— Site Outline
Search buffers in metres (m)

- Reclaimed ground
- Made ground
- Worked ground
- Infilled ground
- Disturbed ground
- Landscaped ground

14.2 Artificial and made ground (10k)

Records within 500m

5

Details of made, worked, infilled, disturbed and landscaped ground at 1:10,000 scale. Artificial ground can be associated with potentially contaminated material, unpredictable engineering conditions and instability.

Features are displayed on the Geology 1:10,000 scale - Artificial and made ground map on **page 58**

ID	Location	LEX Code	Description	Rock description
1	22m S	MGR-ARTDP	Made Ground (Undivided)	Artificial Deposit
2	82m SW	MGR-ARTDP	Made Ground (Undivided)	Artificial Deposit
3	130m S	WGR-VOID	Worked Ground (Undivided)	Void
4	250m NW	WGR-VOID	Worked Ground (Undivided)	Void

ID	Location	LEX Code	Description	Rock description
5	286m E	WGR-VOID	Worked Ground (Undivided)	Void

This data is sourced from the British Geological Survey.



Geology 1:10,000 scale - Superficial



- Site Outline
- Search buffers in metres (m)
- Landslip (10k)
- Superficial geology (10k)
Please see table for more details.

14.3 Superficial geology (10k)

Records within 500m

1

Superficial geological deposits at 1:10,000 scale. Also known as 'drift', these are the youngest geological deposits, formed during the Quaternary. They rest on older deposits or rocks referred to as bedrock.

Features are displayed on the Geology 1:10,000 scale - Superficial map on **page 60**

ID	Location	LEX Code	Description	Rock description
1	10m SW	HEAD-DMTN	Head - Diamicton	Diamicton

This data is sourced from the British Geological Survey.

14.4 Landslip (10k)

Records within 500m

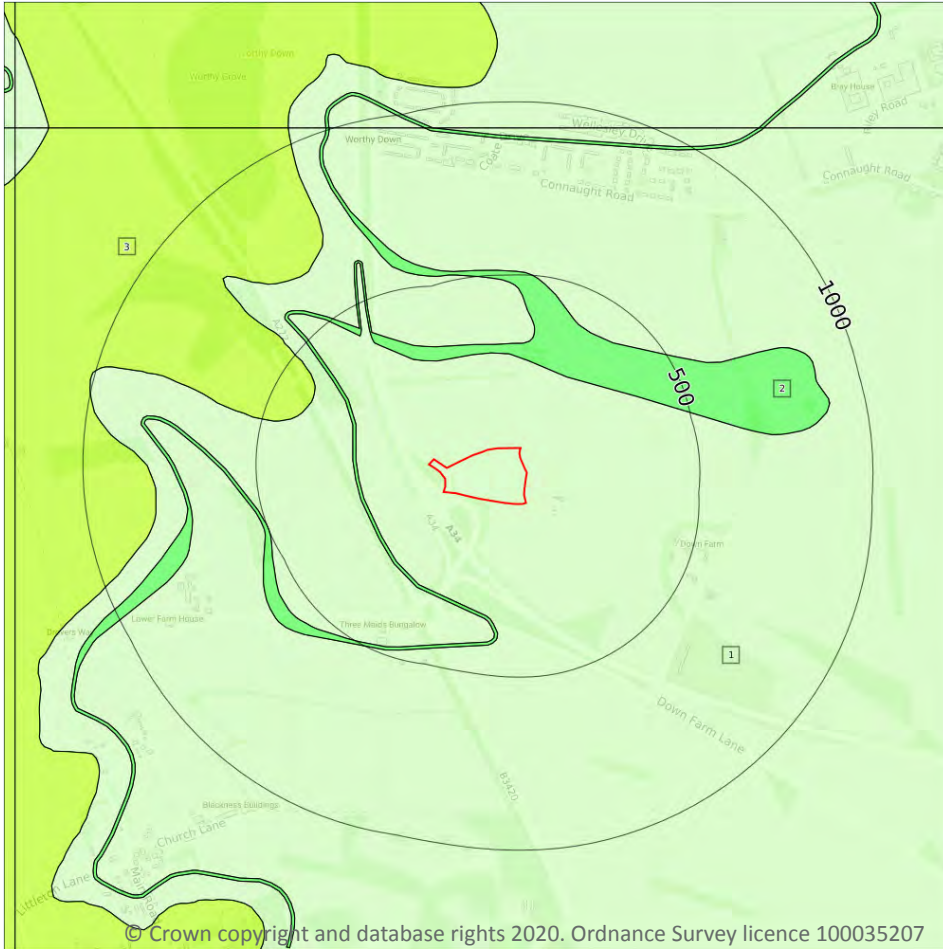
0

Mass movement deposits on BGS geological maps at 1:10,000 scale. Primarily superficial deposits that have moved down slope under gravity to form landslips. These affect bedrock, other superficial deposits and artificial ground.

This data is sourced from the British Geological Survey.



Geology 1:10,000 scale - Bedrock



— Site Outline

Search buffers in metres (m)

..... Bedrock faults and other linear features (10k)

Bedrock geology (10k)
Please see table for more details.

14.5 Bedrock geology (10k)

Records within 500m

3

Bedrock geology at 1:10,000 scale. The main mass of rocks forming the Earth and present everywhere, whether exposed at the surface in outcrops or concealed beneath superficial deposits or water.

Features are displayed on the Geology 1:10,000 scale - Bedrock map on **page 62**

ID	Location	LEX Code	Description	Rock age
1	On site	SECK-CHLK	Seaford Chalk Formation - Chalk	Santonian Age - Coniacian Age
2	207m W	STRK-LMST	Stockbridge Rock Member - Limestone	Santonian Age
3	385m NW	NCK-CHLK	Newhaven Chalk Formation - Chalk	Campanian Age - Santonian Age

This data is sourced from the British Geological Survey.

14.6 Bedrock faults and other linear features (10k)

Records within 500m

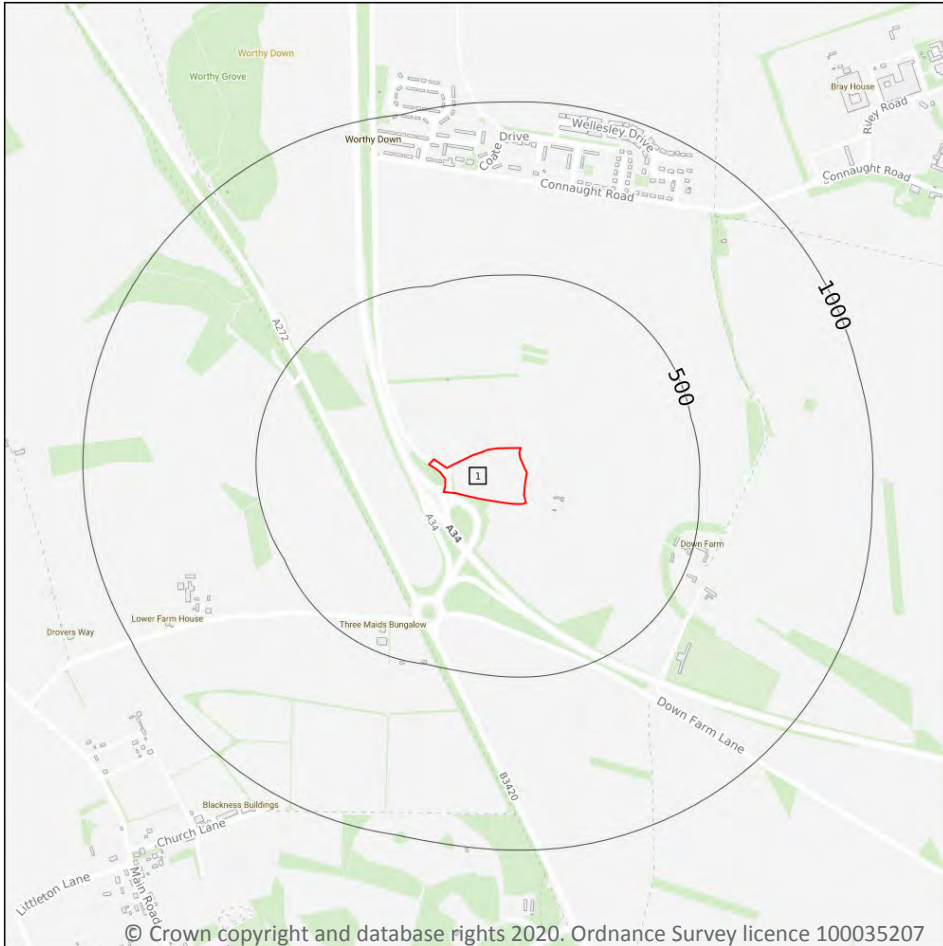
0

Linear features at the ground or bedrock surface at 1:10,000 scale of six main types; rock, fault, fold axis, mineral vein, alteration area or landform. Features are either observed or inferred, and relate primarily to bedrock.

This data is sourced from the British Geological Survey.



15 Geology 1:50,000 scale - Availability



- Site Outline
- Search buffers in metres (m)
- Geological map tile

15.1 50k Availability

Records within 500m

1

An indication on the coverage of 1:50,000 scale geology data for the site. Either 'Full' or 'No coverage' for each geological theme.

Features are displayed on the Geology 1:50,000 scale - Availability map on **page 64**

ID	Location	Artificial	Superficial	Bedrock	Mass movement	Sheet No.
1	On site	Full	Full	Full	No coverage	EW299_winchester_v4

This data is sourced from the British Geological Survey.

Geology 1:50,000 scale - Artificial and made ground

15.2 Artificial and made ground (50k)

Records within 500m

0

Details of made, worked, infilled, disturbed and landscaped ground at 1:50,000 scale. Artificial ground can be associated with potentially contaminated material, unpredictable engineering conditions and instability.

This data is sourced from the British Geological Survey.

15.3 Artificial ground permeability (50k)

Records within 50m

0

A qualitative classification of estimated rates of vertical movement of water from the ground surface through the unsaturated zone of any artificial deposits (the zone between the land surface and the water table).

This data is sourced from the British Geological Survey.

Geology 1:50,000 scale - Superficial



- Site Outline
- Search buffers in metres (m)
- Landslip (50k)
- Superficial geology (50k)
Please see table for more details.

15.4 Superficial geology (50k)

Records within 500m

1

Superficial geological deposits at 1:50,000 scale. Also known as 'drift', these are the youngest geological deposits, formed during the Quaternary. They rest on older deposits or rocks referred to as bedrock.

Features are displayed on the Geology 1:50,000 scale - Superficial map on **page 66**

ID	Location	LEX Code	Description	Rock description
1	27m W	HEAD- XCZSV	HEAD	CLAY, SILT, SAND AND GRAVEL

This data is sourced from the British Geological Survey.

15.5 Superficial permeability (50k)

Records within 50m **1**

A qualitative classification of estimated rates of vertical movement of water from the ground surface through the unsaturated zone of any superficial deposits (the zone between the land surface and the water table).

Location	Flow type	Maximum permeability	Minimum permeability
27m SE	Mixed	High	Very Low

This data is sourced from the British Geological Survey.

15.6 Landslip (50k)

Records within 500m **0**

Mass movement deposits on BGS geological maps at 1:50,000 scale. Primarily superficial deposits that have moved down slope under gravity to form landslips. These affect bedrock, other superficial deposits and artificial ground.

This data is sourced from the British Geological Survey.

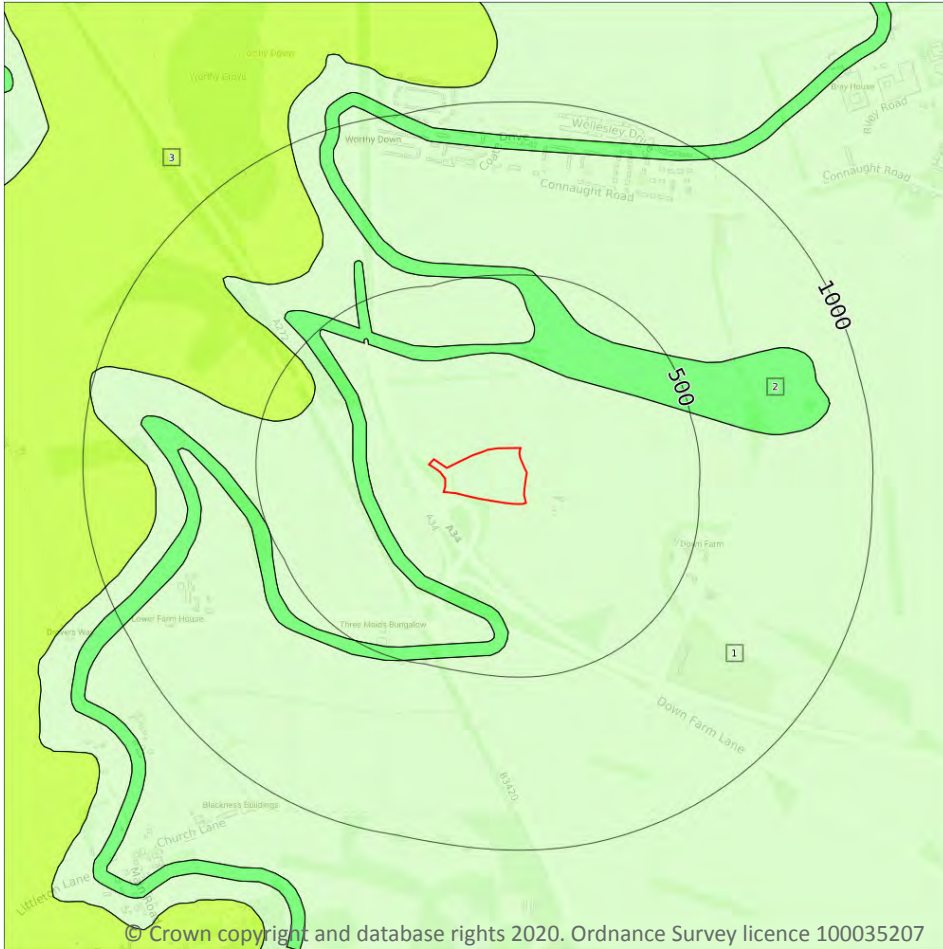
15.7 Landslip permeability (50k)

Records within 50m **0**

A qualitative classification of estimated rates of vertical movement of water from the ground surface through the unsaturated zone of any landslip deposits (the zone between the land surface and the water table).

This data is sourced from the British Geological Survey.

Geology 1:50,000 scale - Bedrock



- Site Outline
- Search buffers in metres (m)
- Bedrock faults and other linear features (50k)
- Bedrock geology (50k)
Please see table for more details.

15.8 Bedrock geology (50k)

Records within 500m

3

Bedrock geology at 1:50,000 scale. The main mass of rocks forming the Earth and present everywhere, whether exposed at the surface in outcrops or concealed beneath superficial deposits or water.

Features are displayed on the Geology 1:50,000 scale - Bedrock map on **page 68**

ID	Location	LEX Code	Description	Rock age
1	On site	SECK-CHLK	SEAFORD CHALK FORMATION - CHALK	CONIACIAN
2	177m W	STRK-LMST	STOCKBRIDGE ROCK MEMBER - LIMESTONE	SANTONIAN
3	385m NW	NCK-CHLK	NEWHAVEN CHALK FORMATION - CHALK	SANTONIAN

This data is sourced from the British Geological Survey.

15.9 Bedrock permeability (50k)

Records within 50m	1
---------------------------	----------

A qualitative classification of estimated rates of vertical movement of water from the ground surface through the unsaturated zone of bedrock (the zone between the land surface and the water table).

Location	Flow type	Maximum permeability	Minimum permeability
On site	Fracture	Very High	Very High

This data is sourced from the British Geological Survey.

15.10 Bedrock faults and other linear features (50k)

Records within 500m	0
----------------------------	----------

Linear features at the ground or bedrock surface at 1:50,000 scale of six main types; rock, fault, fold axis, mineral vein, alteration area or landform. Features are either observed or inferred, and relate primarily to bedrock.

This data is sourced from the British Geological Survey.

16 Boreholes

16.1 BGS Boreholes

Records within 250m

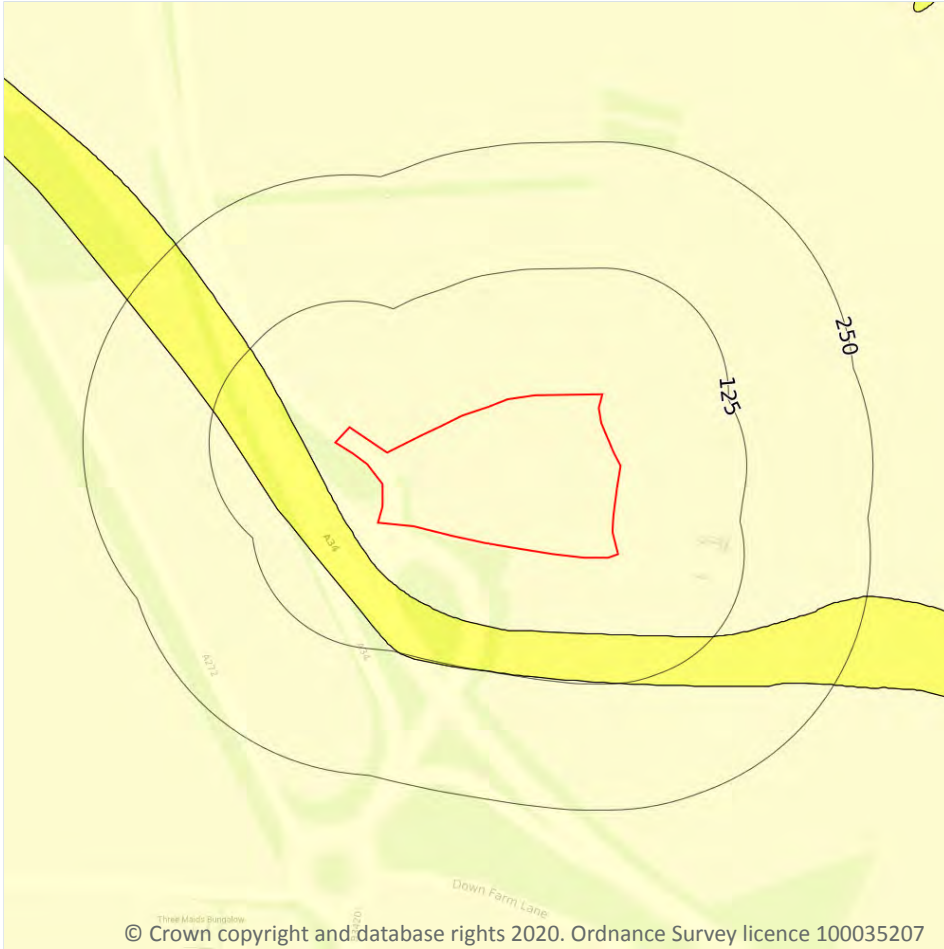
0

The Single Onshore Boreholes Index (SOBI); an index of over one million records of boreholes, shafts and wells from all forms of drilling and site investigation work held by the British Geological Survey. Covering onshore and nearshore boreholes dating back to at least 1790 and ranging from one to several thousand metres deep.

This data is sourced from the British Geological Survey.



17 Natural ground subsidence - Shrink swell clays



17.1 Shrink swell clays

Records within 50m

2

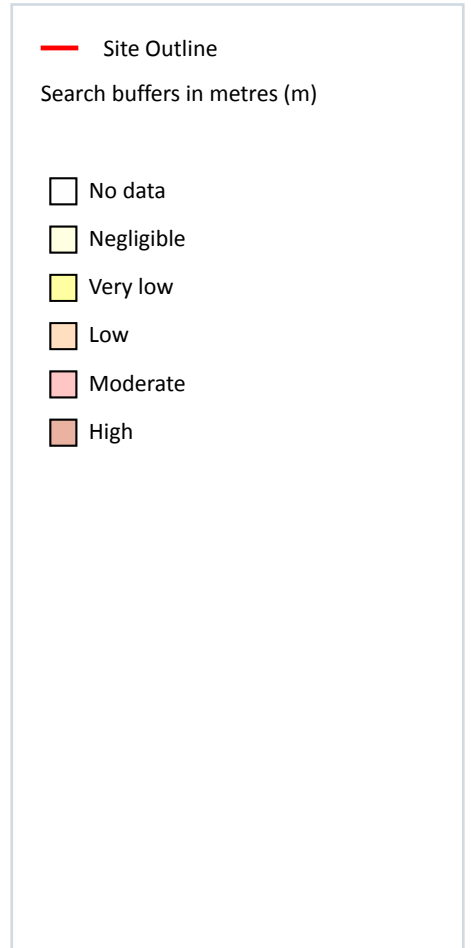
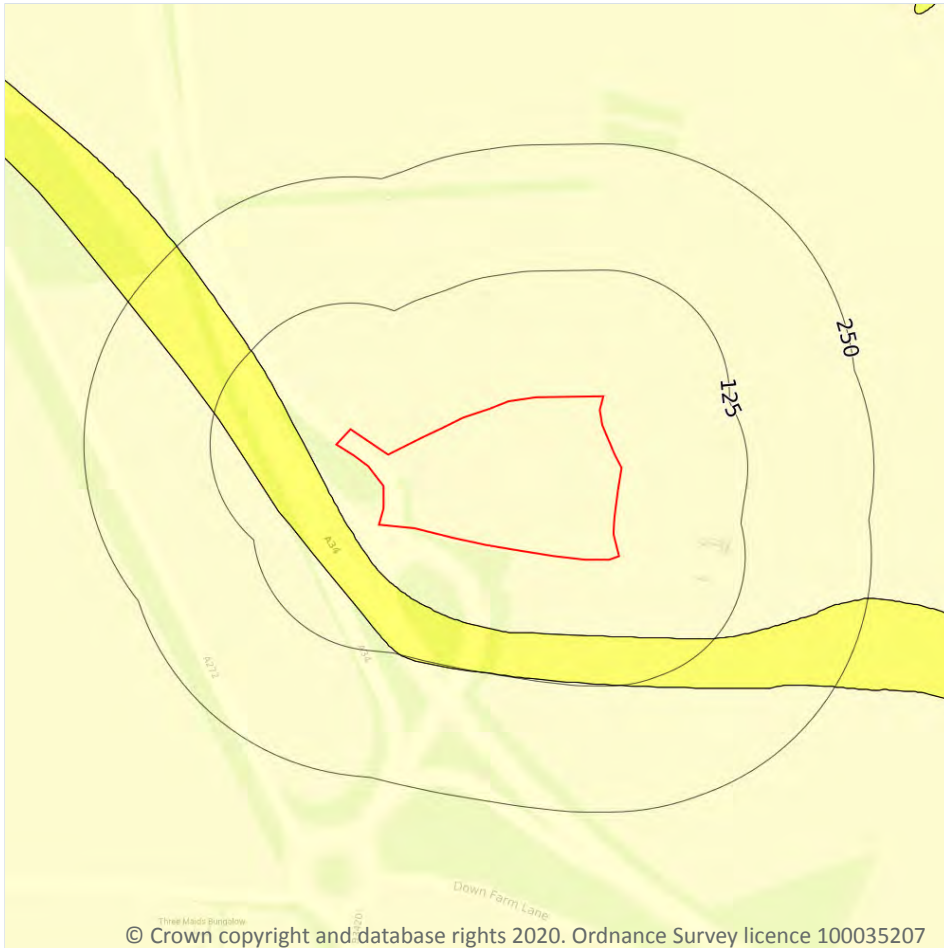
The potential hazard presented by soils that absorb water when wet (making them swell), and lose water as they dry (making them shrink). This shrink-swell behaviour is controlled by the type and amount of clay in the soil, and by seasonal changes in the soil moisture content (related to rainfall and local drainage).

Features are displayed on the Natural ground subsidence - Shrink swell clays map on **page 71**

Location	Hazard rating	Details
On site	Negligible	Ground conditions predominantly non-plastic.
27m W	Very low	Ground conditions predominantly low plasticity.

This data is sourced from the British Geological Survey.

Natural ground subsidence - Running sands



17.2 Running sands

Records within 50m

2

The potential hazard presented by rocks that can contain loosely-packed sandy layers that can become fluidised by water flowing through them. Such sands can 'run', removing support from overlying buildings and causing potential damage.

Features are displayed on the Natural ground subsidence - Running sands map on **page 72**

Location	Hazard rating	Details
On site	Negligible	Running sand conditions are not thought to occur whatever the position of the water table. No identified constraints on lands use due to running conditions.

Location	Hazard rating	Details
27m W	Very low	Running sand conditions are unlikely. No identified constraints on land use due to running conditions unless water table rises rapidly.

This data is sourced from the British Geological Survey.



Natural ground subsidence - Compressible deposits



17.3 Compressible deposits

Records within 50m

1

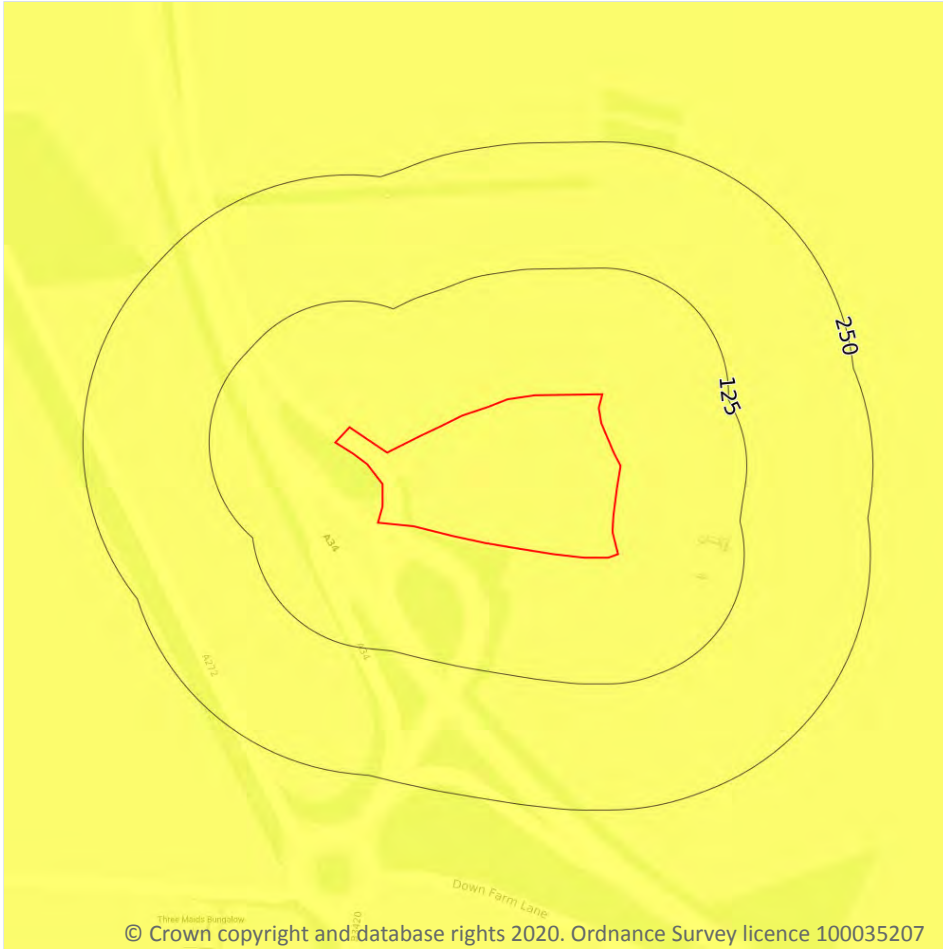
The potential hazard presented by types of ground that may contain layers of very soft materials like clay or peat and may compress if loaded by overlying structures, or if the groundwater level changes, potentially resulting in depression of the ground and disturbance of foundations.

Features are displayed on the Natural ground subsidence - Compressible deposits map on **page 74**

Location	Hazard rating	Details
On site	Negligible	Compressible strata are not thought to occur.

This data is sourced from the British Geological Survey.

Natural ground subsidence - Collapsible deposits



17.4 Collapsible deposits

Records within 50m

1

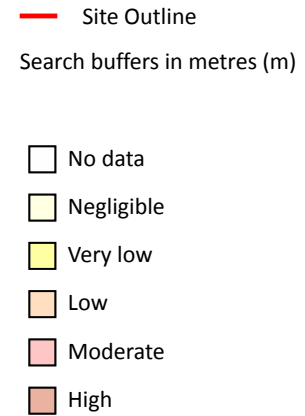
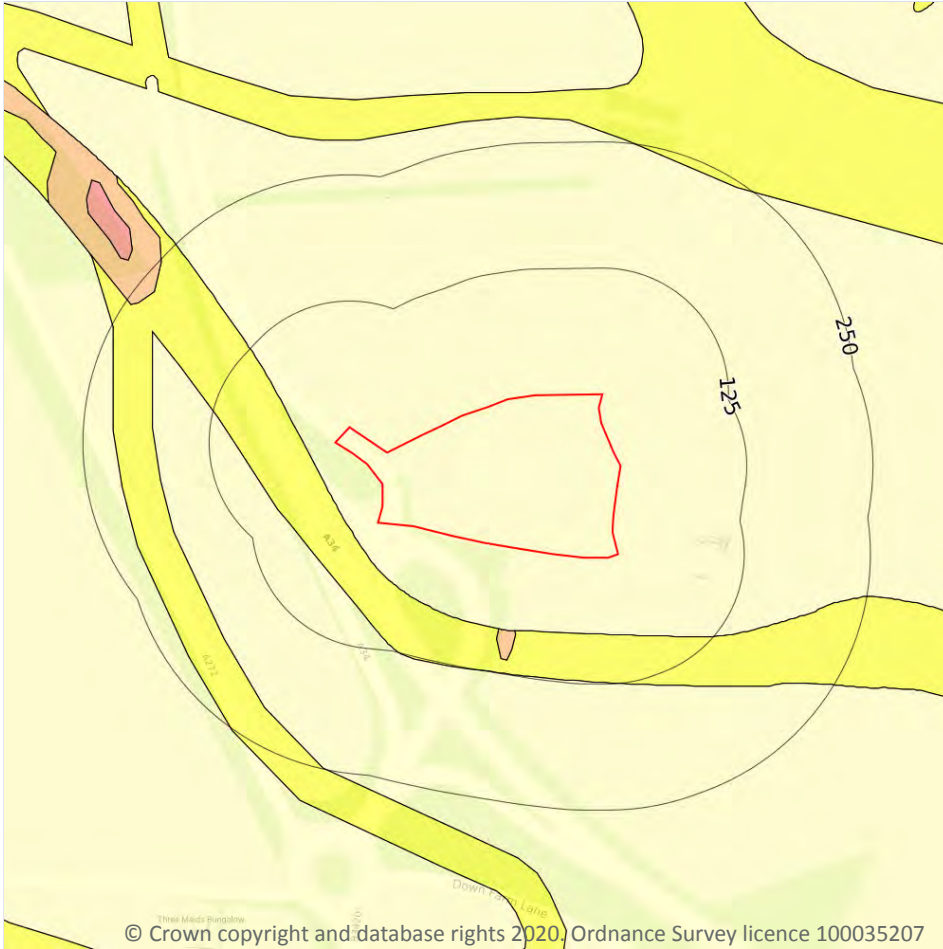
The potential hazard presented by natural deposits that could collapse when a load (such as a building) is placed on them or they become saturated with water.

Features are displayed on the Natural ground subsidence - Collapsible deposits map on **page 75**

Location	Hazard rating	Details
On site	Very low	Deposits with potential to collapse when loaded and saturated are unlikely to be present.

This data is sourced from the British Geological Survey.

Natural ground subsidence - Landslides



17.5 Landslides

Records within 50m

2

The potential for landsliding (slope instability) to be a hazard assessed using 1:50,000 scale digital maps of superficial and bedrock deposits, combined with information from the BGS National Landslide Database and scientific and engineering reports.

Features are displayed on the Natural ground subsidence - Landslides map on **page 76**

Location	Hazard rating	Details
On site	Negligible	Slope instability problems are not thought to occur but consideration to potential problems of adjacent areas impacting on the site should always be considered.

Location	Hazard rating	Details
27m W	Very low	Slope instability problems are not likely to occur but consideration to potential problems of adjacent areas impacting on the site should always be considered.

This data is sourced from the British Geological Survey.

Natural ground subsidence - Ground dissolution of soluble rocks



17.6 Ground dissolution of soluble rocks

Records within 50m

2

The potential hazard presented by ground dissolution, which occurs when water passing through soluble rocks produces underground cavities and cave systems. These cavities reduce support to the ground above and can cause localised collapse of the overlying rocks and deposits.

Features are displayed on the Natural ground subsidence - Ground dissolution of soluble rocks map on **page 78**

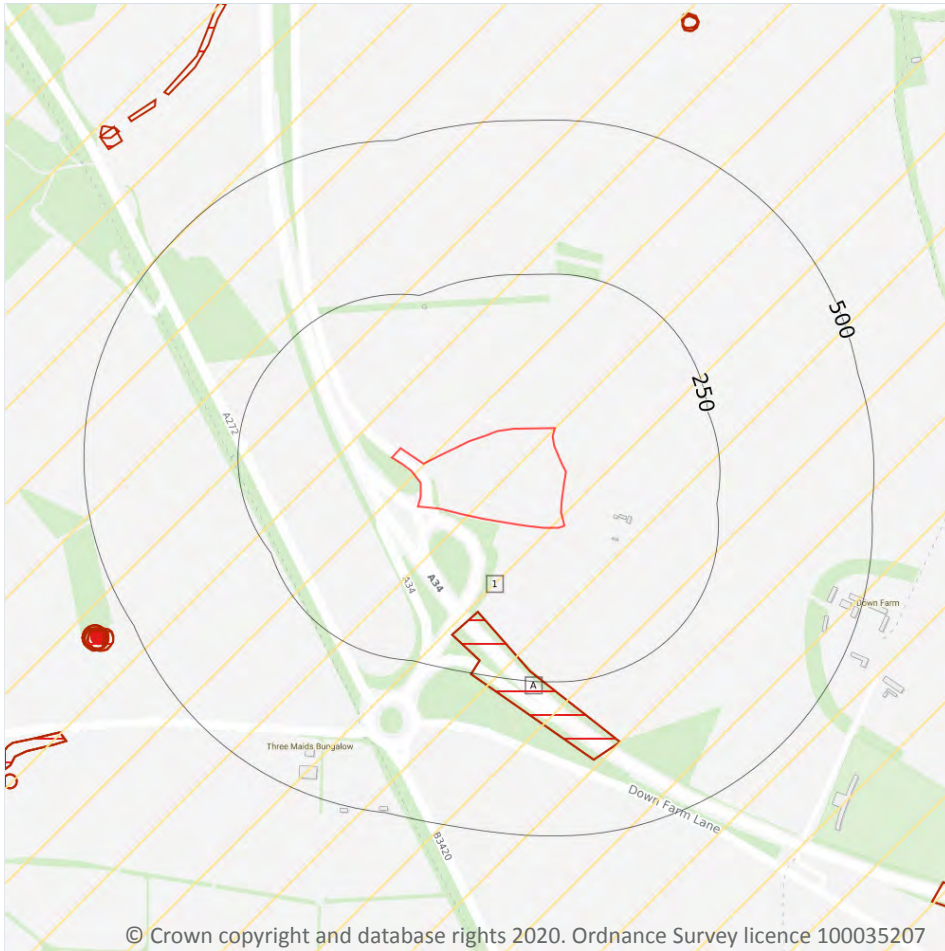
Location	Hazard rating	Details
On site	Very low	Soluble rocks are present within the ground. Few dissolution features are likely to be present. Potential for difficult ground conditions or localised subsidence are at a level where they need not be considered.

Location	Hazard rating	Details
27m W	Low	Soluble rocks are present within the ground. Some dissolution features may be present. Potential for difficult ground conditions are at a level where they may be considered, localised subsidence need not be considered except in exceptional circumstances.

This data is sourced from the British Geological Survey.



18 Mining, ground workings and natural cavities



- Site Outline
- Search buffers in metres (m)
- Natural cavities (Area)
- Natural cavities (Point)
- BritPits
- Surface ground workings
- Underground workings
- Historical Mineral Planning Areas
- Mining Cavities
- Non Coal Mining
- Sporadic underground mining of restricted extent possible
- Localised small scale underground mining possible
- Small scale mining possible
- Underground mining known or likely within or in close proximity
- Underground mining known within or in very close proximity

18.1 Natural cavities

Records within 500m

0

Industry recognised national database of natural cavities. Sinkholes and caves are formed by the dissolution of soluble rock, such as chalk and limestone, gulls and fissures by cambering. Ground instability can result from movement of loose material contained within these cavities, often triggered by water.

This data is sourced from Peter Brett Associates (PBA).

18.2 BritPits

Records within 500m

0

BritPits (an abbreviation of British Pits) is a database maintained by the British Geological Survey of currently active and closed surface and underground mineral workings. Details of major mineral handling sites, such as wharfs and rail depots are also held in the database.

This data is sourced from the British Geological Survey.

18.3 Surface ground workings

Records within 250m

2

Historical land uses identified from Ordnance Survey mapping that involved ground excavation at the surface. These features may or may not have been subsequently backfilled.

Features are displayed on the Mining, ground workings and natural cavities map on **page 80**

ID	Location	Land Use	Year of mapping	Mapping scale
A	150m S	Cuttings	1987	1:10000
A	150m S	Cuttings	1975	1:10000

This data is sourced from Ordnance Survey/Groundsure.

18.4 Underground workings

Records within 1000m

0

Historical land uses identified from Ordnance Survey mapping that indicate the presence of underground workings e.g. mine shafts.

This data is sourced from Ordnance Survey/Groundsure.

18.5 Historical Mineral Planning Areas

Records within 500m

0

Boundaries of mineral planning permissions for England and Wales. This data was collated between the 1940s (and retrospectively to the 1930s) and the mid 1980s. The data includes permitted, withdrawn and refused permissions.

This data is sourced from the British Geological Survey.



18.6 Non-coal mining

Records within 1000m

2

The potential for historical non-coal mining to have affected an area. The assessment is drawn from expert knowledge and literature in addition to the digital geological map of Britain. Mineral commodities may be divided into seven general categories - vein minerals, chalk, oil shale, building stone, bedded ores, evaporites and 'other' commodities (including ball clay, jet, black marble, graphite and chert).

Features are displayed on the Mining, ground workings and natural cavities map on **page 80**

ID	Location	Name	Commodity	Class	Likelihood
1	On site	Not available	Chalk	A	Sporadic underground mining of restricted extent may have occurred. Potential for difficult ground conditions are unlikely and localised and are at a level where they need not be considered
-	925m N	Not available	Chalk	A	Sporadic underground mining of restricted extent may have occurred. Potential for difficult ground conditions are unlikely and localised and are at a level where they need not be considered

This data is sourced from the British Geological Survey.

18.7 Mining cavities

Records within 1000m

0

Industry recognised national database of mining cavities. Degraded mines may result in hazardous subsidence (crown holes). Climatic conditions and water escape can also trigger subsidence over mine entrances and workings.

This data is sourced from Peter Brett Associates (PBA).

18.8 JPB mining areas

Records on site

0

Areas which could be affected by former coal mining. This data includes some mine plans unavailable to the Coal Authority.

This data is sourced from Johnson Poole and Bloomer.



18.9 Coal mining

Records on site	0
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Areas which could be affected by past, current or future coal mining.

This data is sourced from the Coal Authority.

18.10 Brine areas

Records on site	0
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The Cheshire Brine Compensation District indicates areas that may be affected by salt and brine extraction in Cheshire and where compensation would be available where damage from this mining has occurred. Damage from salt and brine mining can still occur outside this district, but no compensation will be available.

This data is sourced from the Cheshire Brine Subsidence Compensation Board.

18.11 Gypsum areas

Records on site	0
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Generalised areas that may be affected by gypsum extraction.

This data is sourced from British Gypsum.

18.12 Tin mining

Records on site	0
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Generalised areas that may be affected by historical tin mining.

This data is sourced from Mining Searches UK.

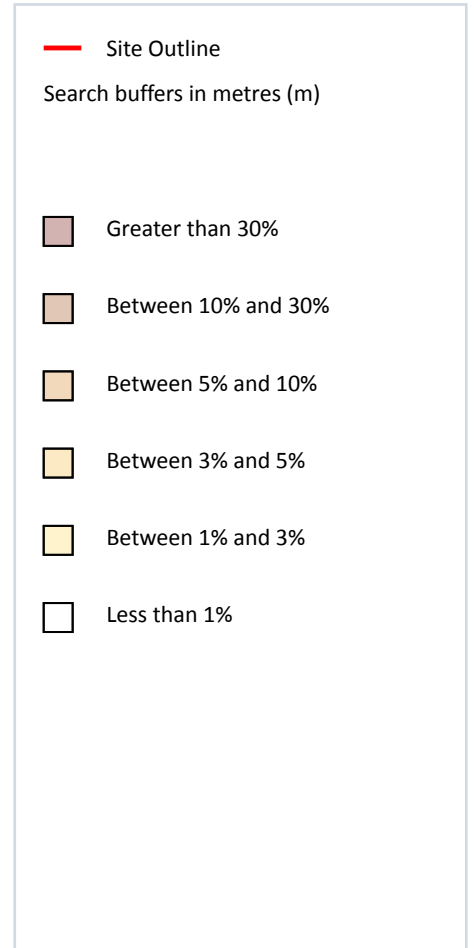
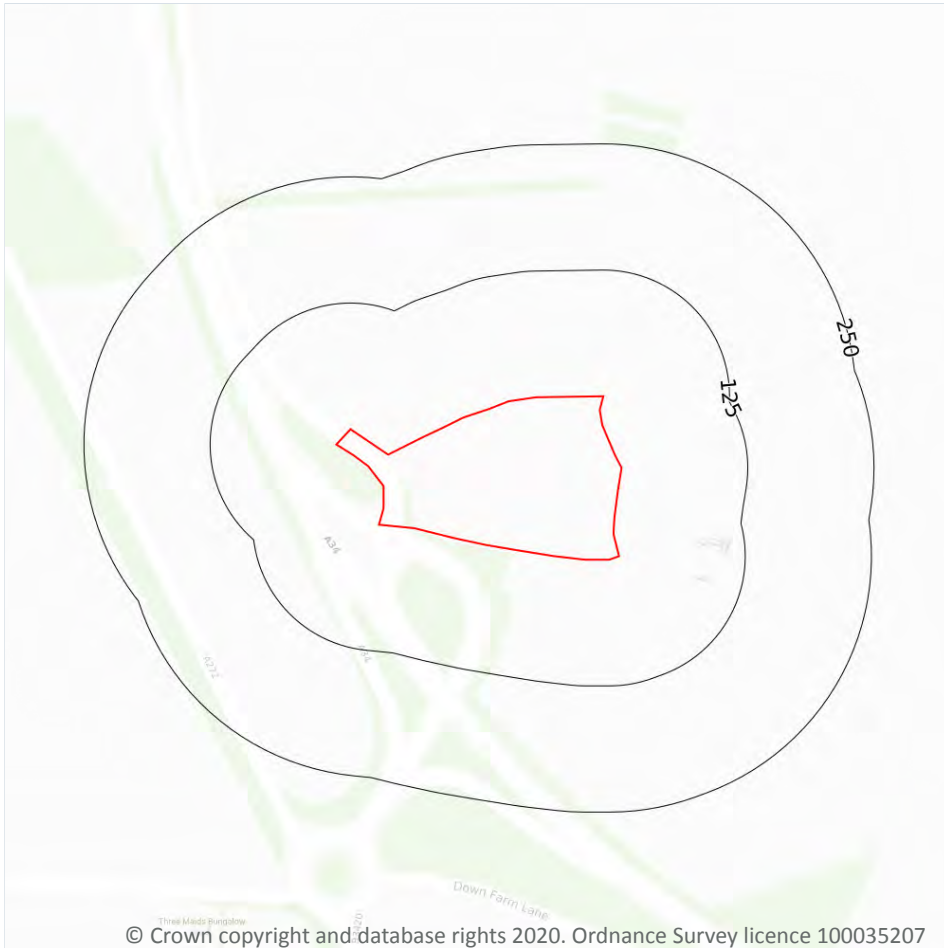
18.13 Clay mining

Records on site	0
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Generalised areas that may be affected by kaolin and ball clay extraction.

This data is sourced from the Kaolin and Ball Clay Association (UK).

19 Radon



19.1 Radon

Records on site

1

Estimated percentage of dwellings exceeding the Radon Action Level. This data is the highest resolution radon dataset available for the UK and is produced to a 75m level of accuracy to allow for geological data accuracy and a 'residential property' buffer. The findings of this section should supersede any estimations derived from the Indicative Atlas of Radon in Great Britain. The data was derived from both geological assessments and long term measurements of radon in more than 479,000 households.

Features are displayed on the Radon map on **page 84**

Location	Estimated properties affected	Radon Protection Measures required
On site	Less than 1%	None**

This data is sourced from the British Geological Survey and Public Health England.

20 Soil chemistry

20.1 BGS Estimated Background Soil Chemistry

Records within 50m

6

The estimated values provide the likely background concentration of the potentially harmful elements Arsenic, Cadmium, Chromium, Lead and Nickel in topsoil. The values are estimated primarily from rural topsoil data collected at a sample density of approximately 1 per 2 km². In areas where rural soil samples are not available, estimation is based on stream sediment data collected from small streams at a sampling density of 1 per 2.5 km²; this is the case for most of Scotland, Wales and southern England. The stream sediment data are converted to soil-equivalent concentrations prior to the estimation.

Location	Arsenic	Bioaccessible Arsenic	Lead	Bioaccessible Lead	Cadmium	Chromium	Nickel
On site	15 mg/kg	No data	100 mg/kg	60 mg/kg	1.8 mg/kg	90 - 120 mg/kg	15 - 30 mg/kg
On site	15 mg/kg	No data	100 mg/kg	60 mg/kg	1.8 mg/kg	90 - 120 mg/kg	15 - 30 mg/kg
21m E	15 mg/kg	No data	100 mg/kg	60 mg/kg	1.8 mg/kg	90 - 120 mg/kg	15 - 30 mg/kg
22m E	15 mg/kg	No data	100 mg/kg	60 mg/kg	1.8 mg/kg	90 - 120 mg/kg	15 - 30 mg/kg
27m SW	15 mg/kg	No data	100 mg/kg	60 mg/kg	1.8 mg/kg	60 - 90 mg/kg	15 - 30 mg/kg
28m NW	15 mg/kg	No data	100 mg/kg	60 mg/kg	1.8 mg/kg	60 - 90 mg/kg	15 - 30 mg/kg

This data is sourced from the British Geological Survey.

20.2 BGS Estimated Urban Soil Chemistry

Records within 50m

0

Estimated topsoil chemistry of Arsenic, Cadmium, Chromium, Copper, Nickel, Lead, Tin and Zinc and bioaccessible Arsenic and Lead in 23 urban centres across Great Britain. These estimates are derived from interpolation of the measured urban topsoil data referred to above and provide information across each city between the measured sample locations (4 per km²).

This data is sourced from the British Geological Survey.



20.3 BGS Measured Urban Soil Chemistry

Records within 50m

0

The locations and measured total concentrations (mg/kg) of Arsenic, Cadmium, Chromium, Copper, Nickel, Lead, Tin and Zinc in urban topsoil samples from 23 urban centres across Great Britain. These are collected at a sample density of 4 per km².

This data is sourced from the British Geological Survey.



21 Railway infrastructure and projects

21.1 Underground railways (London)

Records within 250m 0

Details of all active London Underground lines, including approximate tunnel roof depth and operational hours.

This data is sourced from publicly available information by Groundsure.

21.2 Underground railways (Non-London)

Records within 250m 0

Details of the Merseyrail system, the Tyne and Wear Metro and the Glasgow Subway. Not all parts of all systems are located underground. The data contains location information only and does not include a depth assessment.

This data is sourced from publicly available information by Groundsure.

21.3 Railway tunnels

Records within 250m 0

Railway tunnels taken from contemporary Ordnance Survey mapping.

This data is sourced from the Ordnance Survey.

21.4 Historical railway and tunnel features

Records within 250m 0

Railways and tunnels digitised from historical Ordnance Survey mapping as scales of 1:1,250, 1:2,500, 1:10,000 and 1:10,560.

This data is sourced from Ordnance Survey/Groundsure.

21.5 Royal Mail tunnels

Records within 250m 0

The Post Office Railway, otherwise known as the Mail Rail, is an underground railway running through Central London from Paddington Head District Sorting Office to Whitechapel Eastern Head Sorting Office. The line is 10.5km long. The data includes details of the full extent of the tunnels, the depth of the tunnel, and the depth to track level.



This data is sourced from Groundsure/the Postal Museum.

21.6 Historical railways

Records within 250m

0

Former railway lines, including dismantled lines, abandoned lines, disused lines, historic railways and razed lines.

This data is sourced from OpenStreetMap.

21.7 Railways

Records within 250m

0

Currently existing railway lines, including standard railways, narrow gauge, funicular, trams and light railways.

This data is sourced from Ordnance Survey and OpenStreetMap.

21.8 Crossrail 1

Records within 500m

0

The Crossrail railway project links 41 stations over 100 kilometres from Reading and Heathrow in the west, through underground sections in central London, to Shenfield and Abbey Wood in the east.

This data is sourced from publicly available information by Groundsure.

21.9 Crossrail 2

Records within 500m

0

Crossrail 2 is a proposed railway linking the national rail networks in Surrey and Hertfordshire via an underground tunnel through London.

This data is sourced from publicly available information by Groundsure.

21.10 HS2

Records within 500m

0

HS2 is a proposed high speed rail network running from London to Manchester and Leeds via Birmingham. Main civils construction on Phase 1 (London to Birmingham) of the project began in 2019, and it is currently anticipated that this phase will be fully operational by 2026. Construction on Phase 2a (Birmingham to Crewe) is anticipated to commence in 2021, with the service fully operational by 2027. Construction on Phase 2b (Crewe to Manchester and Birmingham to Leeds) is scheduled to begin in 2023 and be operational by 2033.

This data is sourced from HS2 Ltd.



Data providers

Groundsure works with respected data providers to bring you the most relevant and accurate information. To find out who they are and their areas of expertise see [REDACTED].

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 134000.3766914833

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Report Ref: GS-7137909
Grid Ref: 446337, 133994

Map Name: County Series
Map date: 1874-1875
Scale: 1:10,560
Printed at: 1:10,560



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<p>Surveyed 1871 Revised N/A Edition 1874 Copyright N/A Levelled 1873</p>	<p>Surveyed 1869 Revised N/A Edition 1874 Copyright N/A Levelled 1873</p>

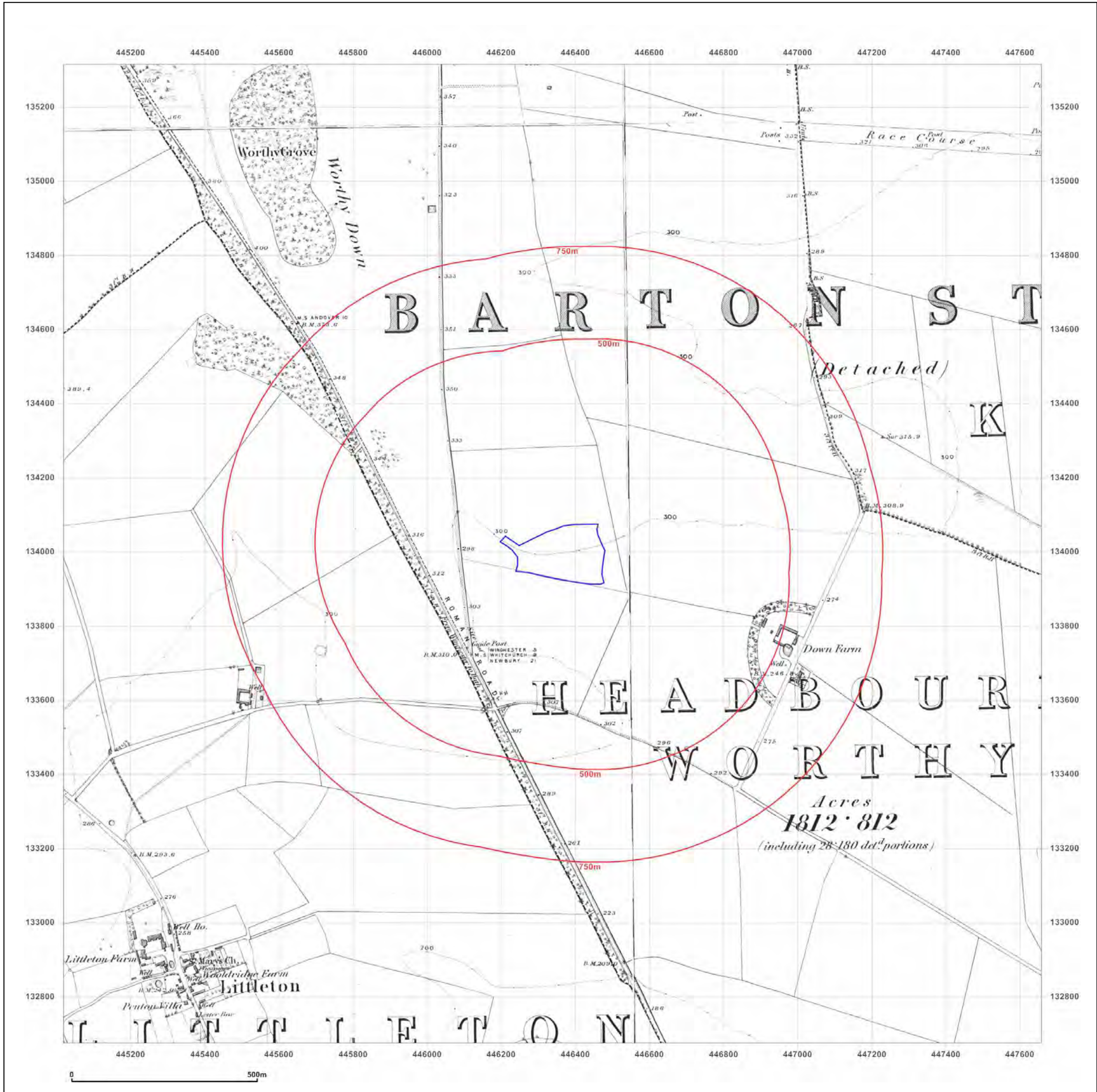


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446378.0118774826,
134000.3766914833

Client Ref: 33689_Site_1
Report Ref: GS-7137909
Grid Ref: 446337, 133994

Map Name: County Series

Map date: 1895-1897

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Printed at: 1:10,560

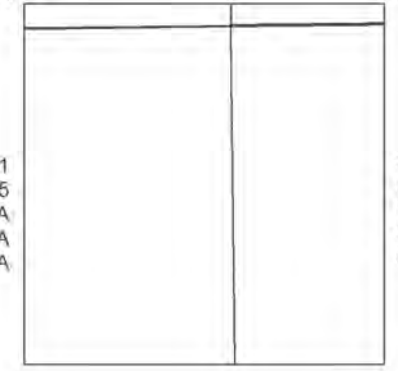


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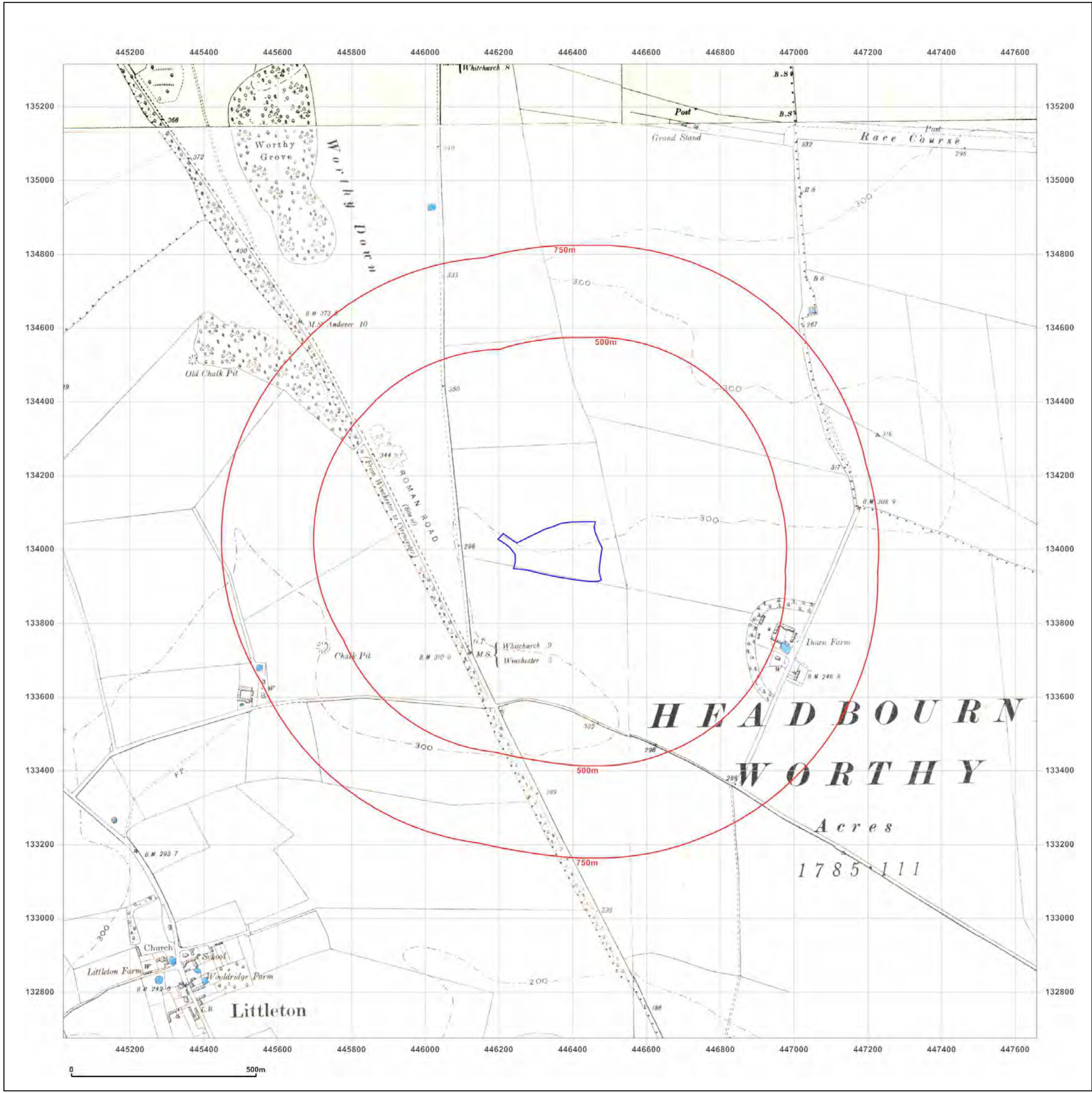


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Report Ref: GS-7137909
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Map Name: County Series

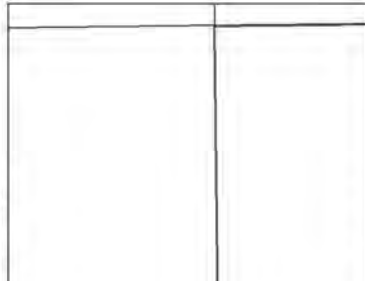
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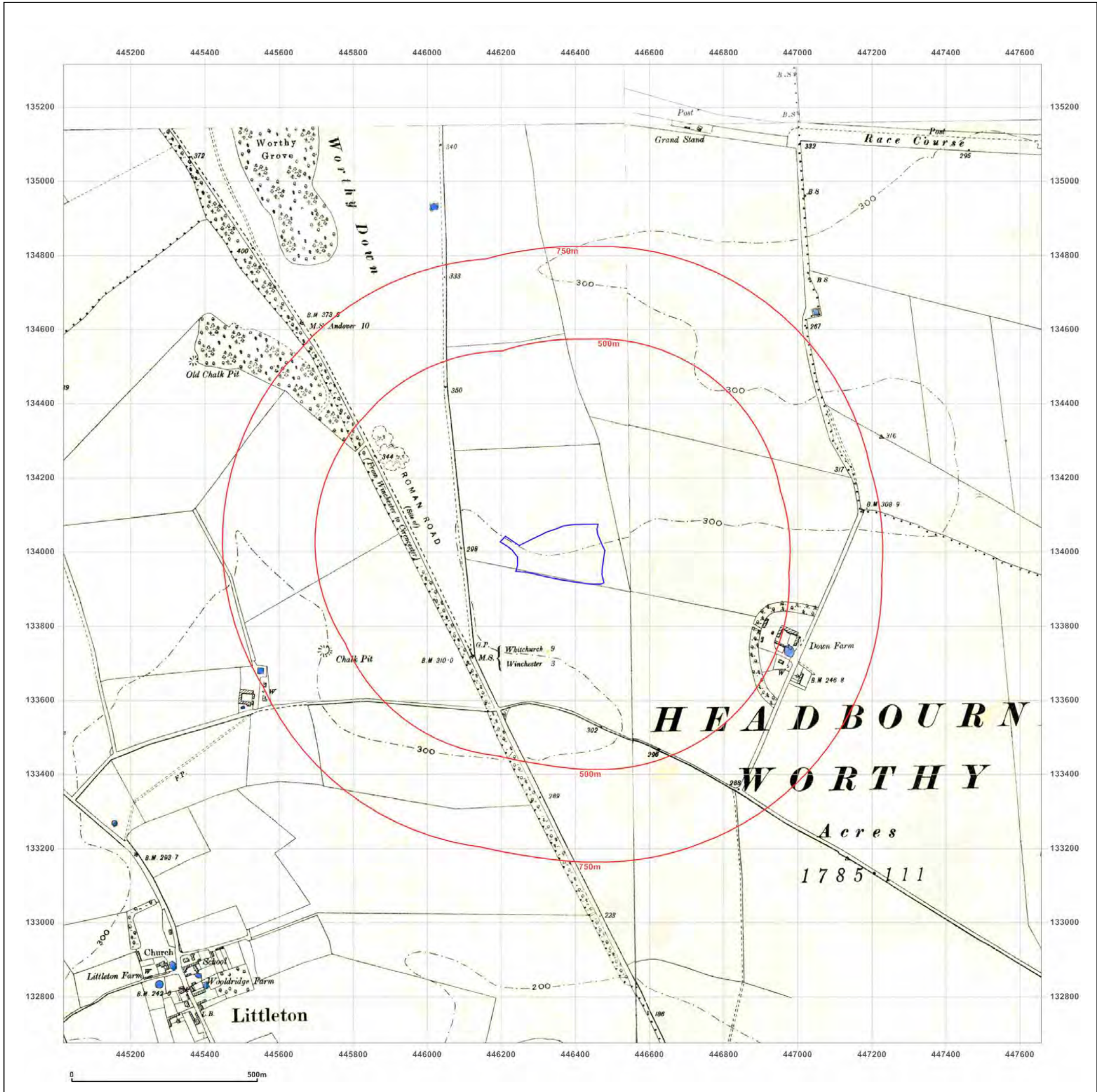


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Map Name: County Series

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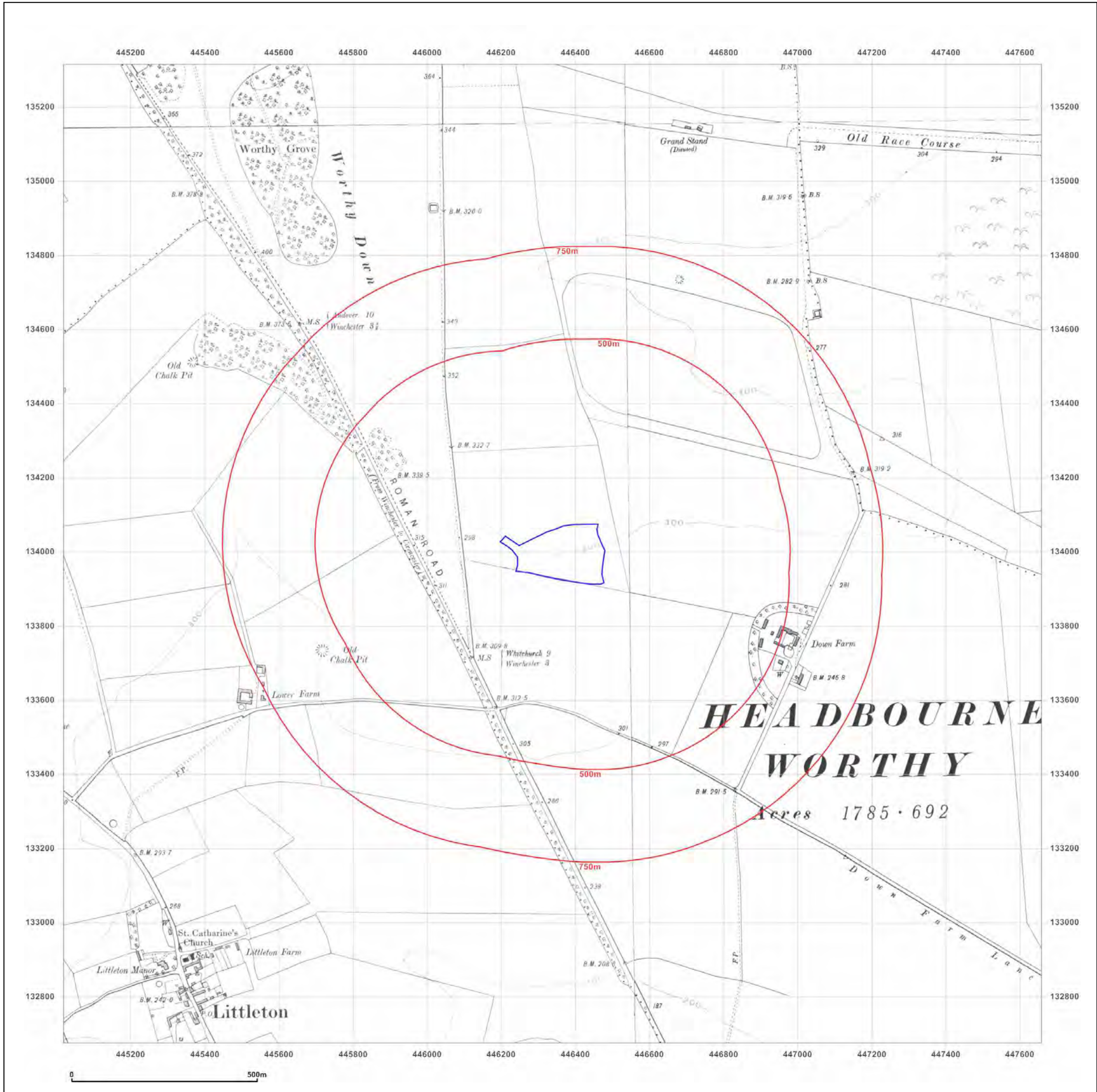
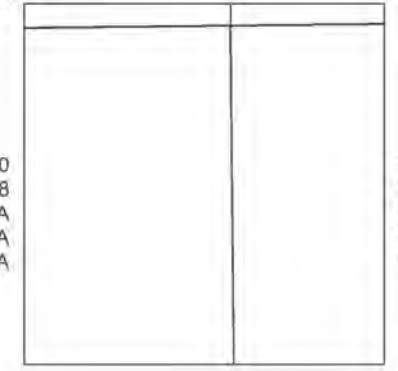


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Grid Ref: 446337, 133994

Map Name: County Series

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Printed at: 1:10,560



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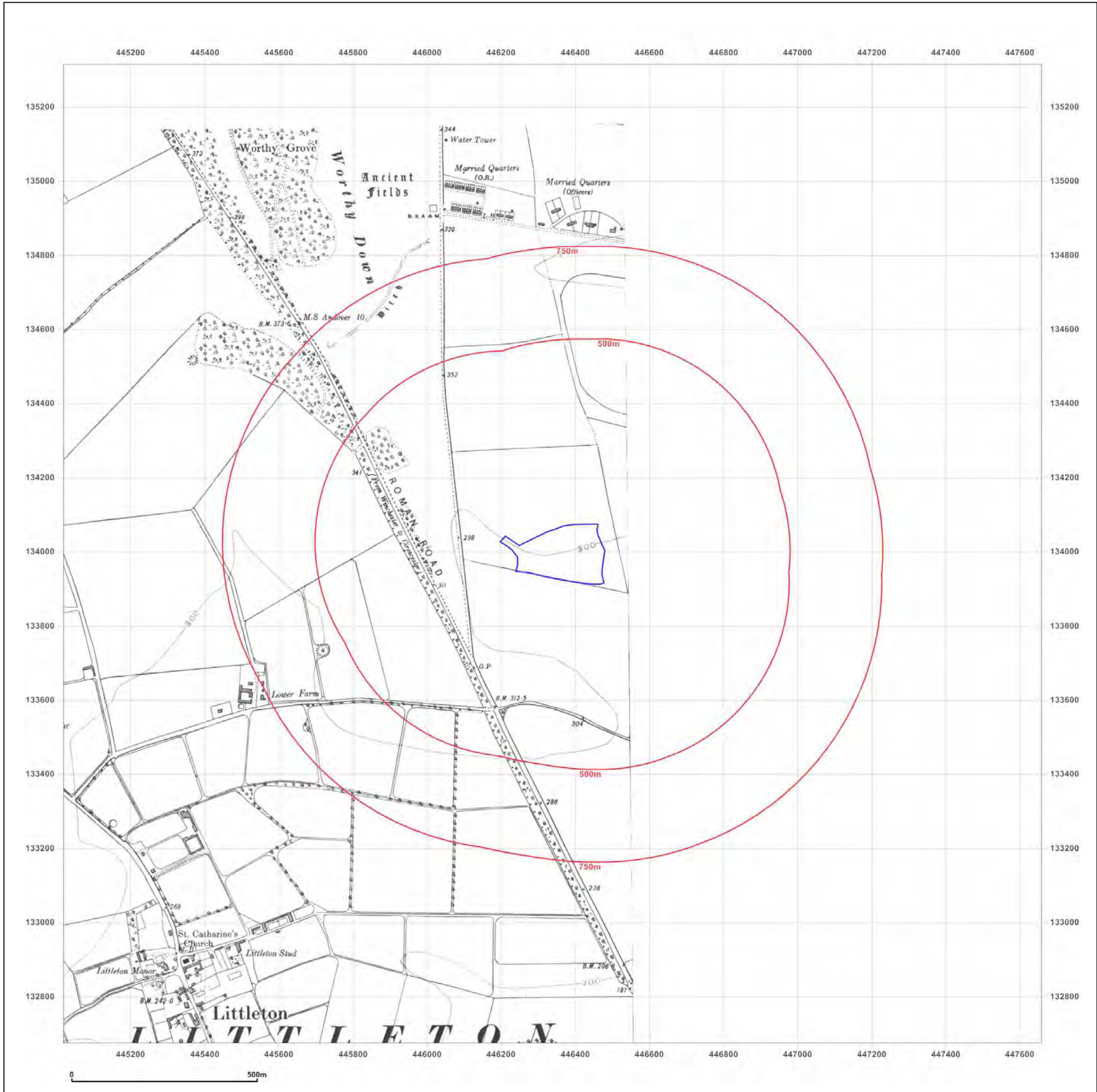


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Grid Ref: 446337, 133994

Map Name: Provisional


Map date: 1957-1961

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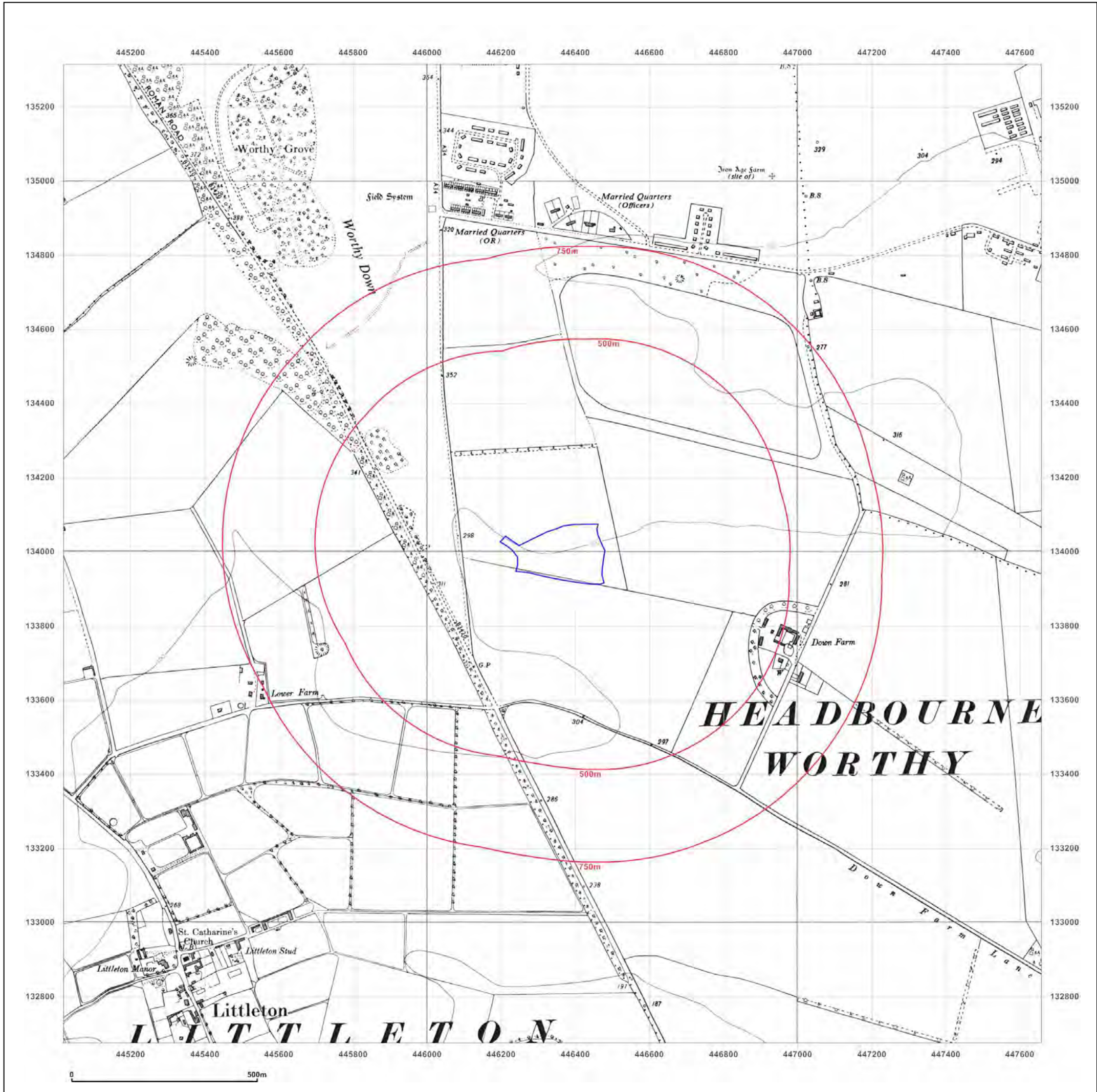


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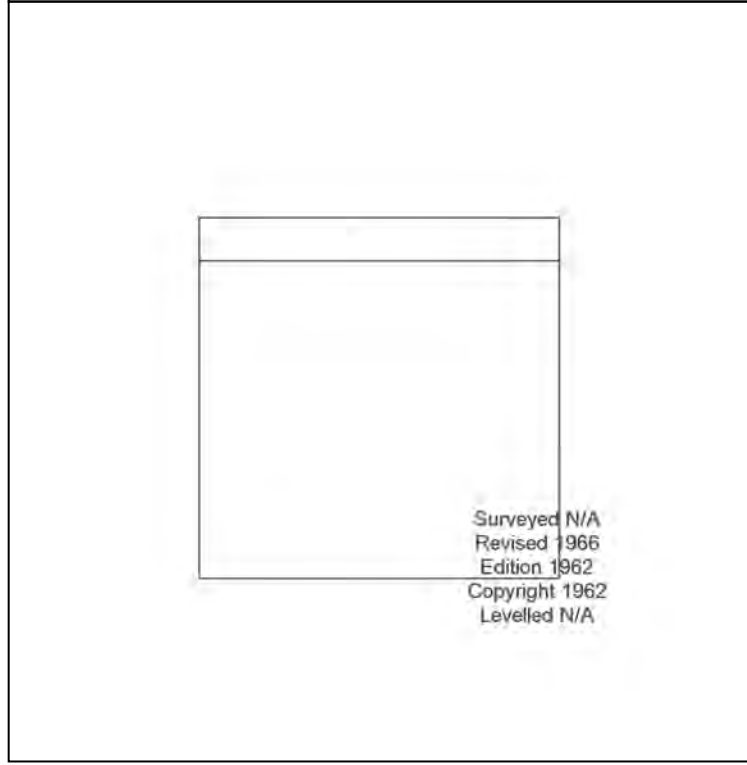
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Grid Ref: 446337, 133994

Map Name: Provisional

Map date: 1966

Scale: 1:10,560

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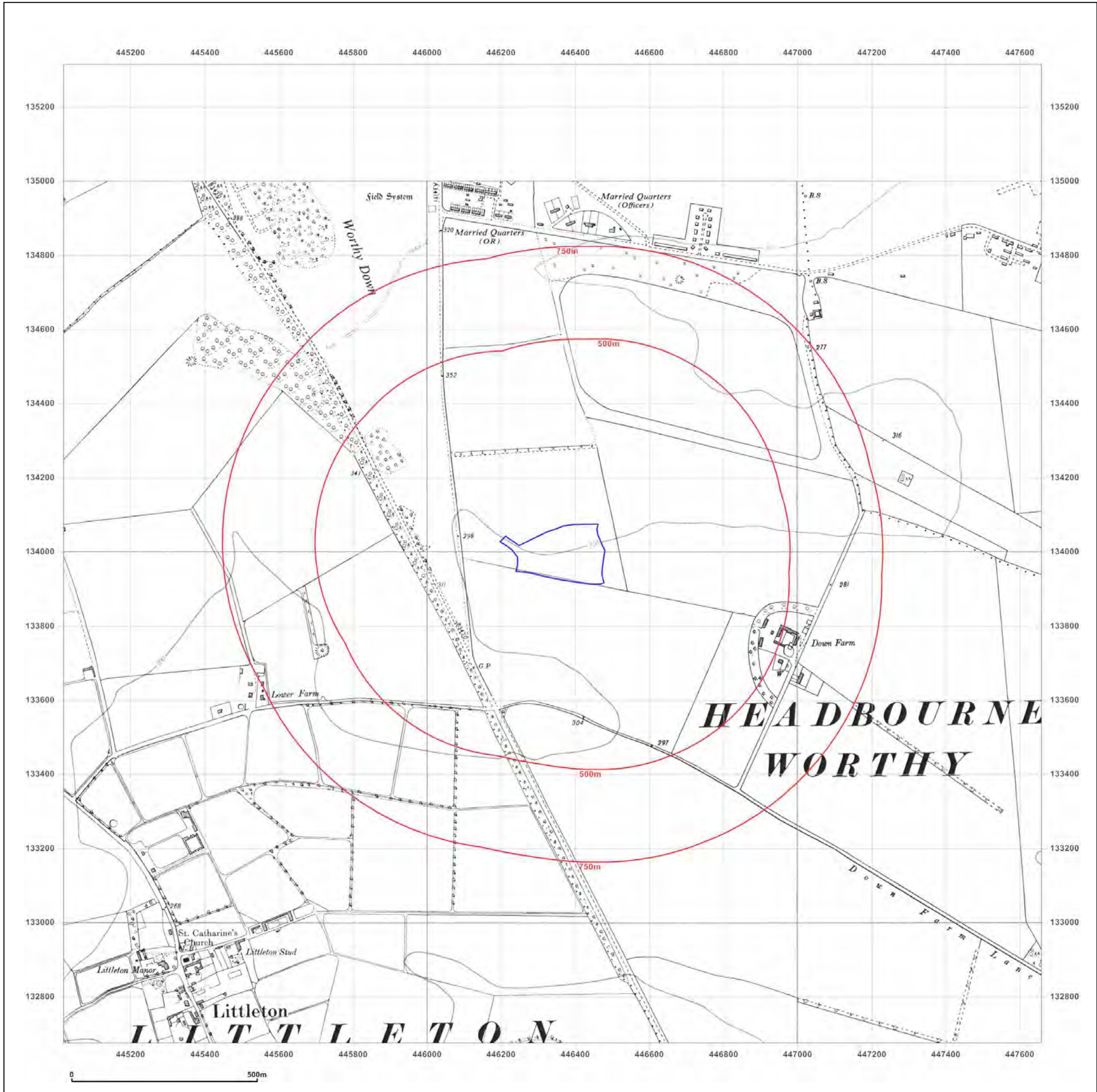


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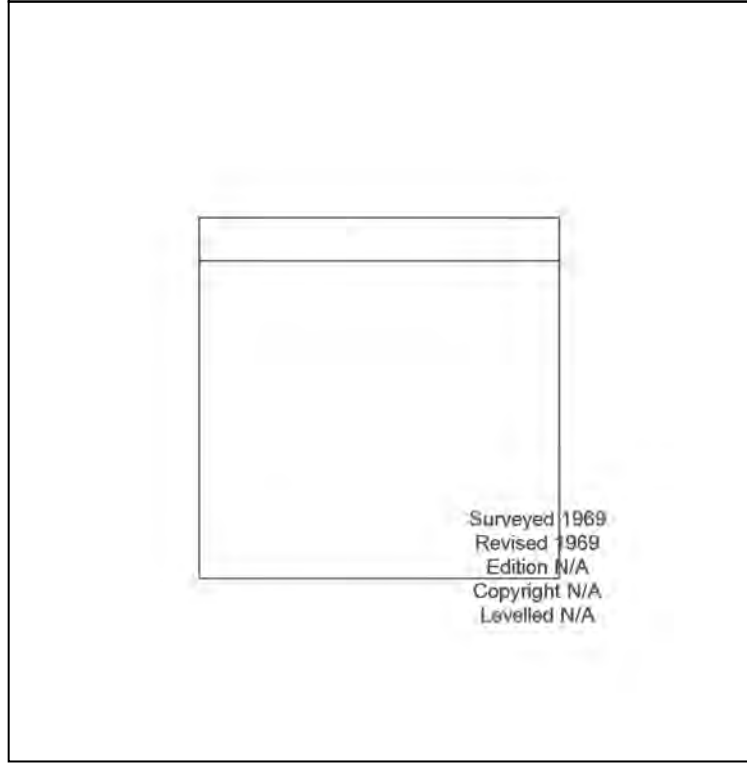
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Map Name: Provisional

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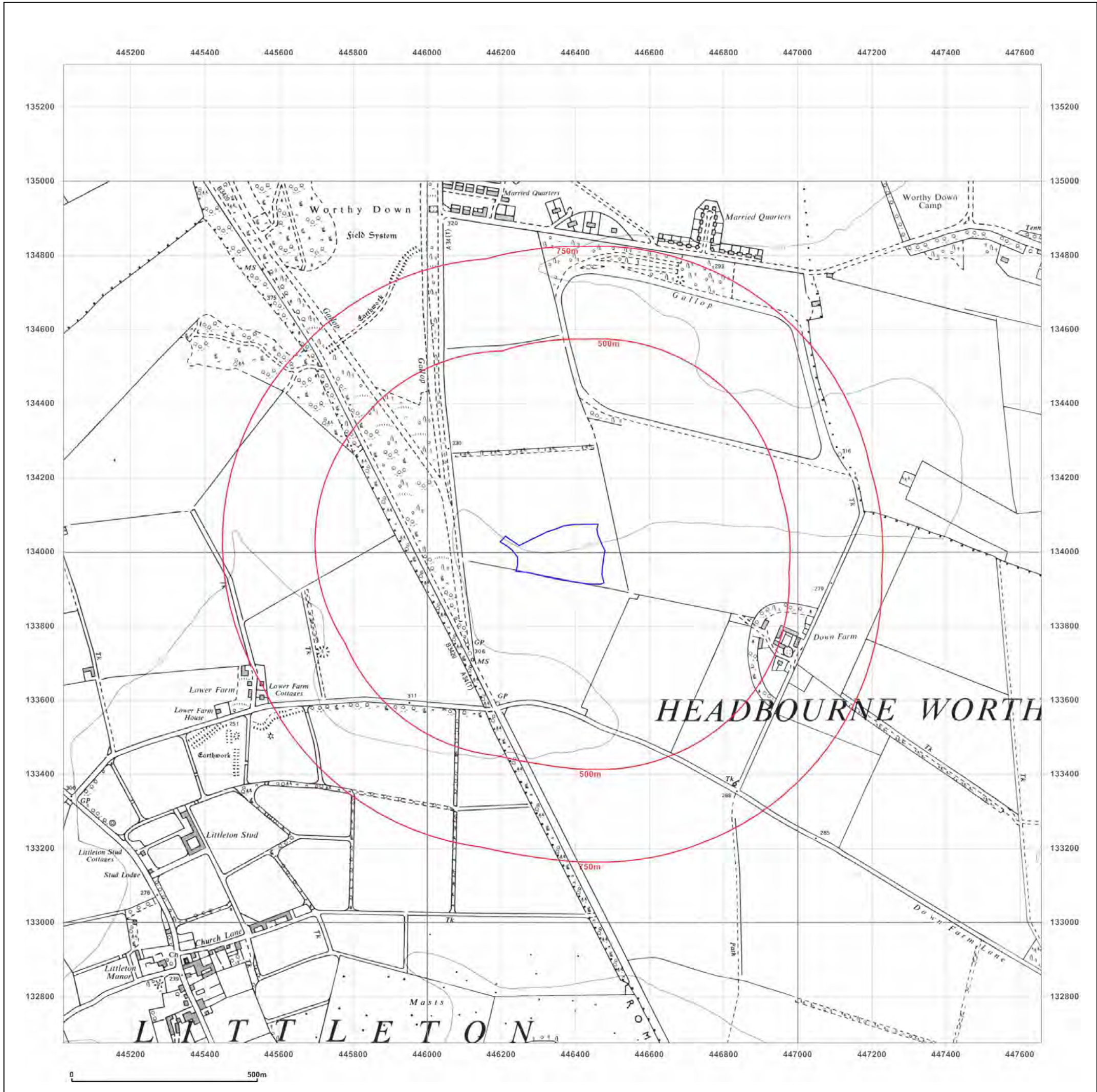


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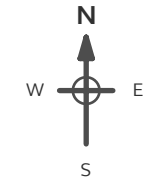
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Map Name: National Grid


Map date: 1976-1977

Scale: 1:10,000

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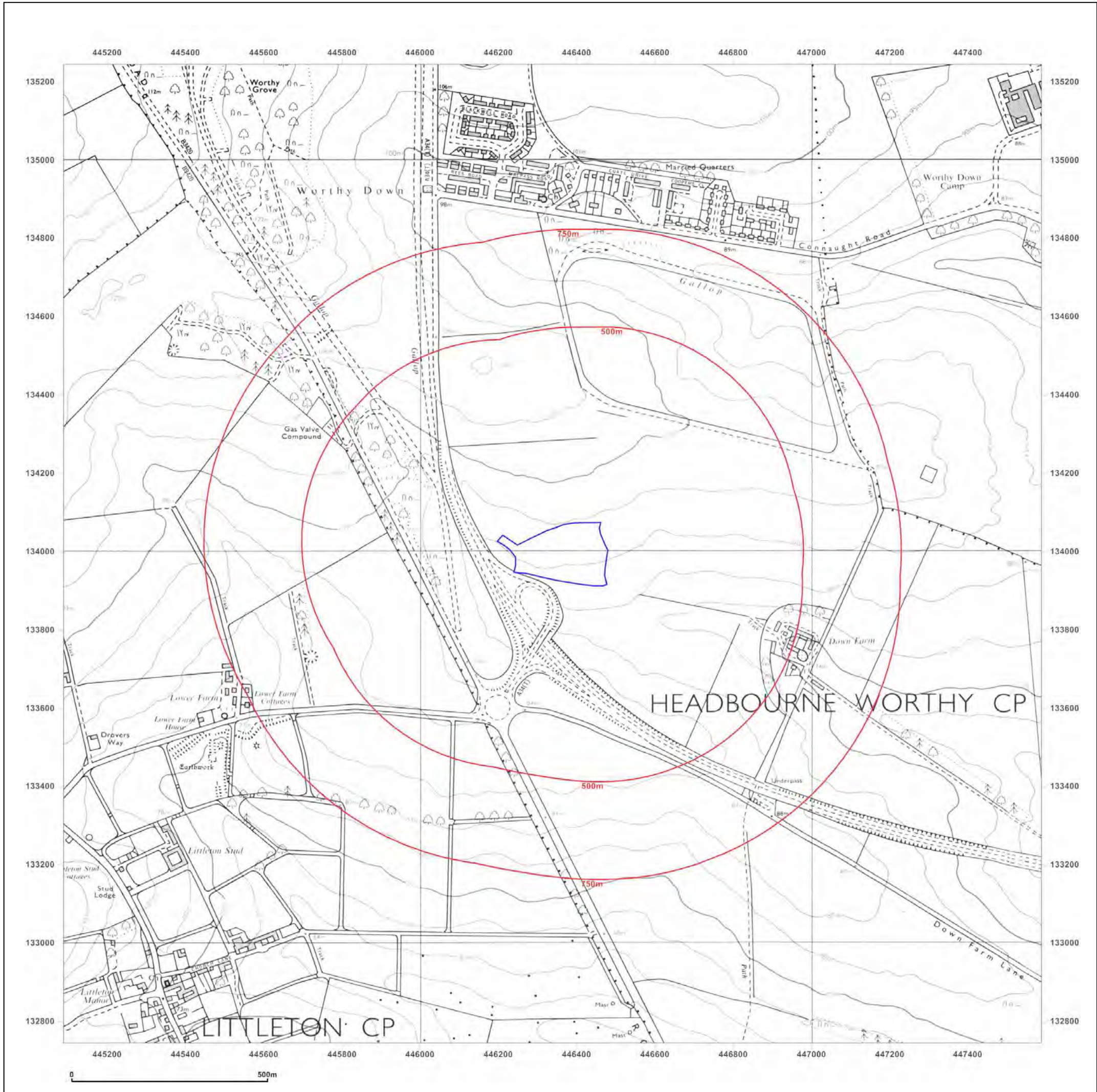


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Client Ref: 33689- Site_1
Report Ref: GS-7137909
Grid Ref: 446337, 133994

Map Name: National Grid


Map date: 1987

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Edition N/A
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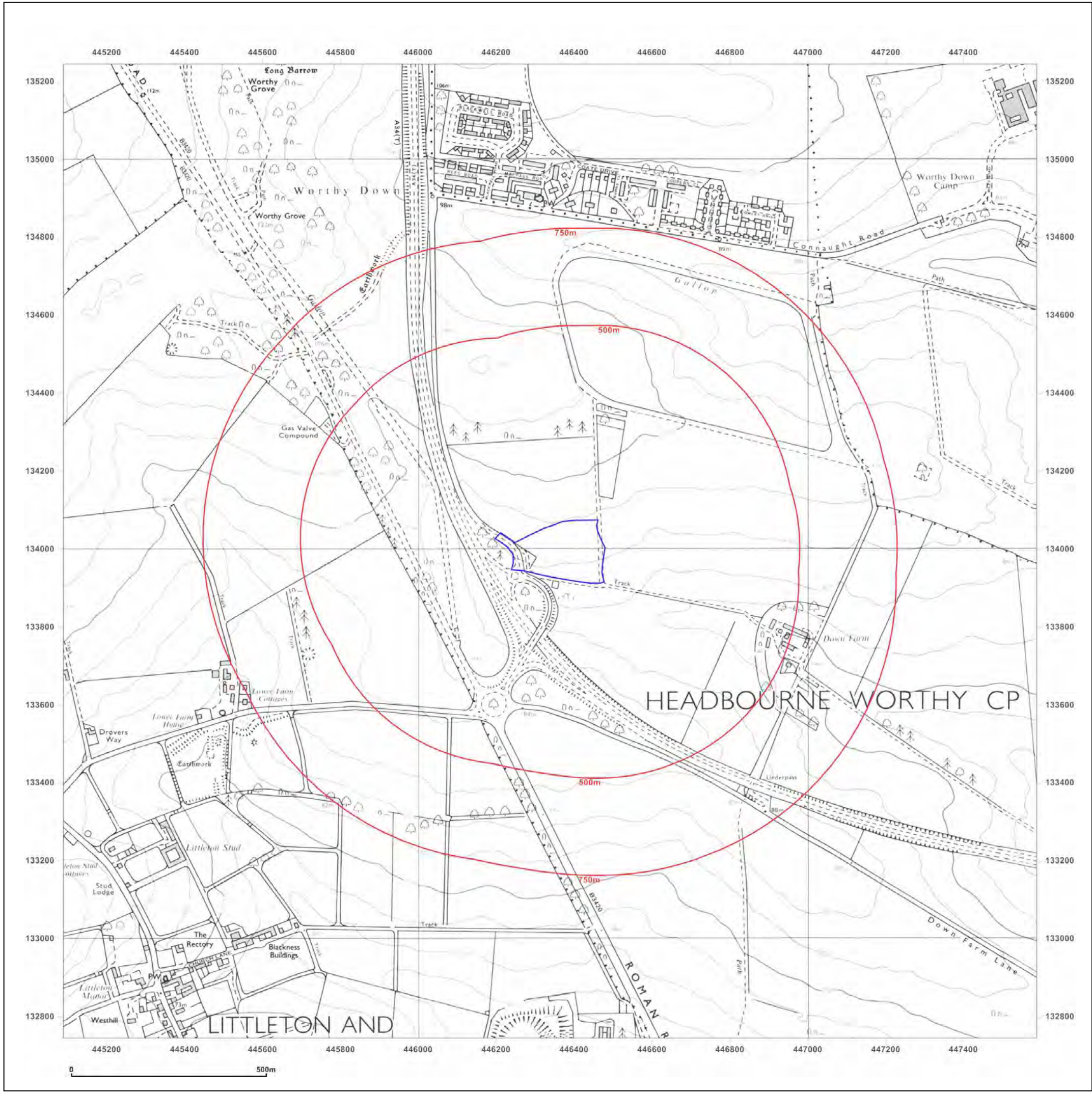


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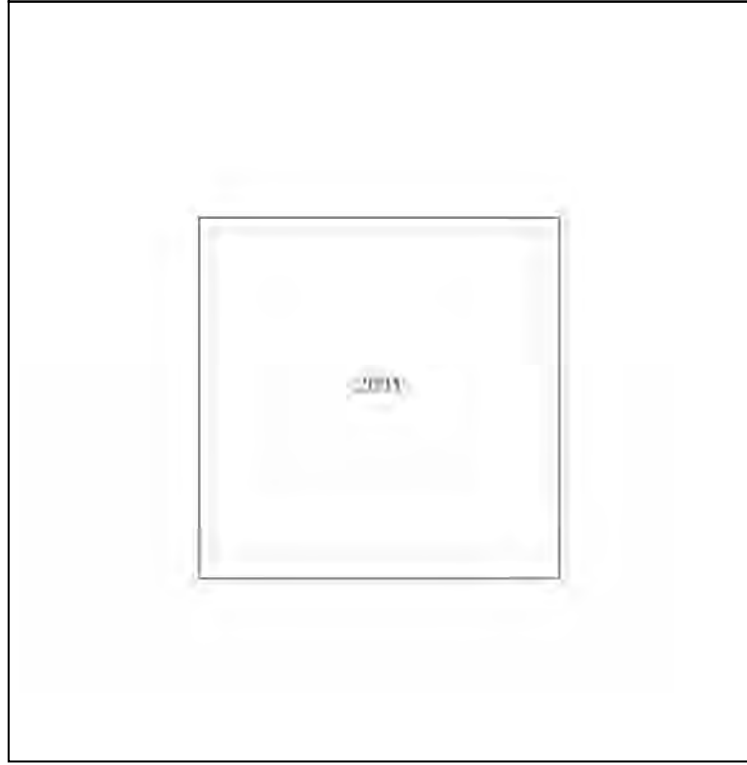
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Map Name: National Grid

Map date: 2001

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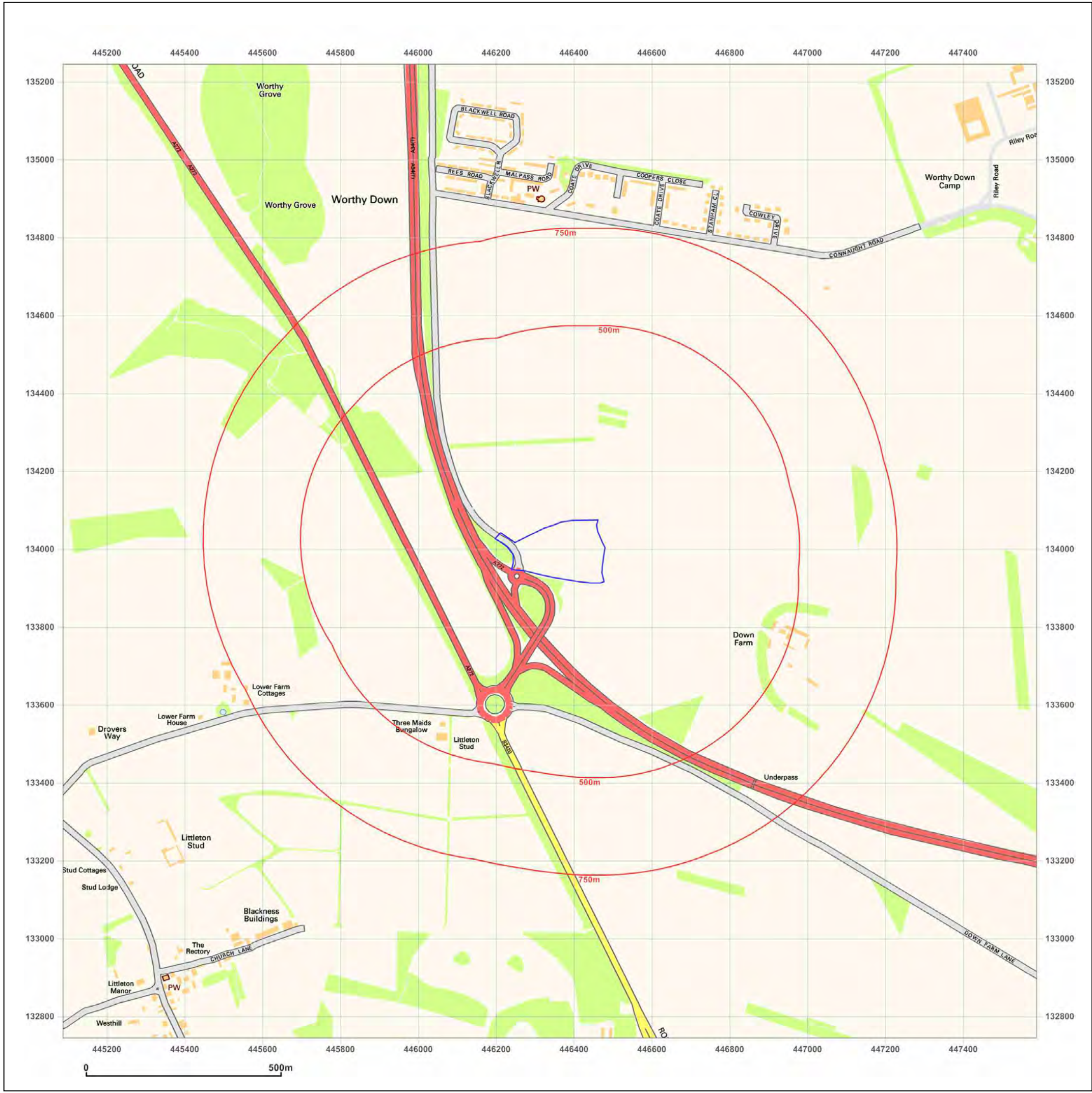


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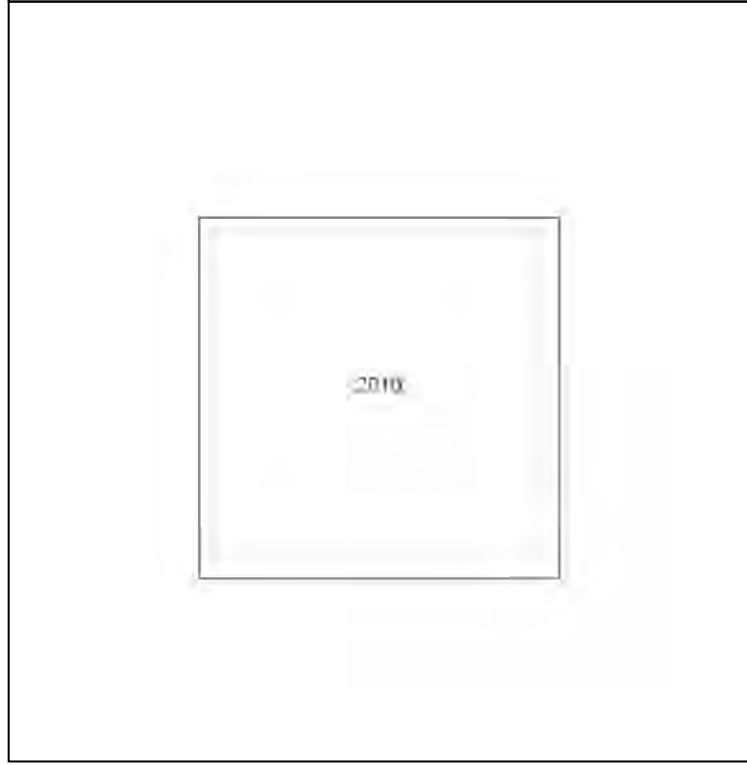
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Map Name: National Grid

Map date: 2010

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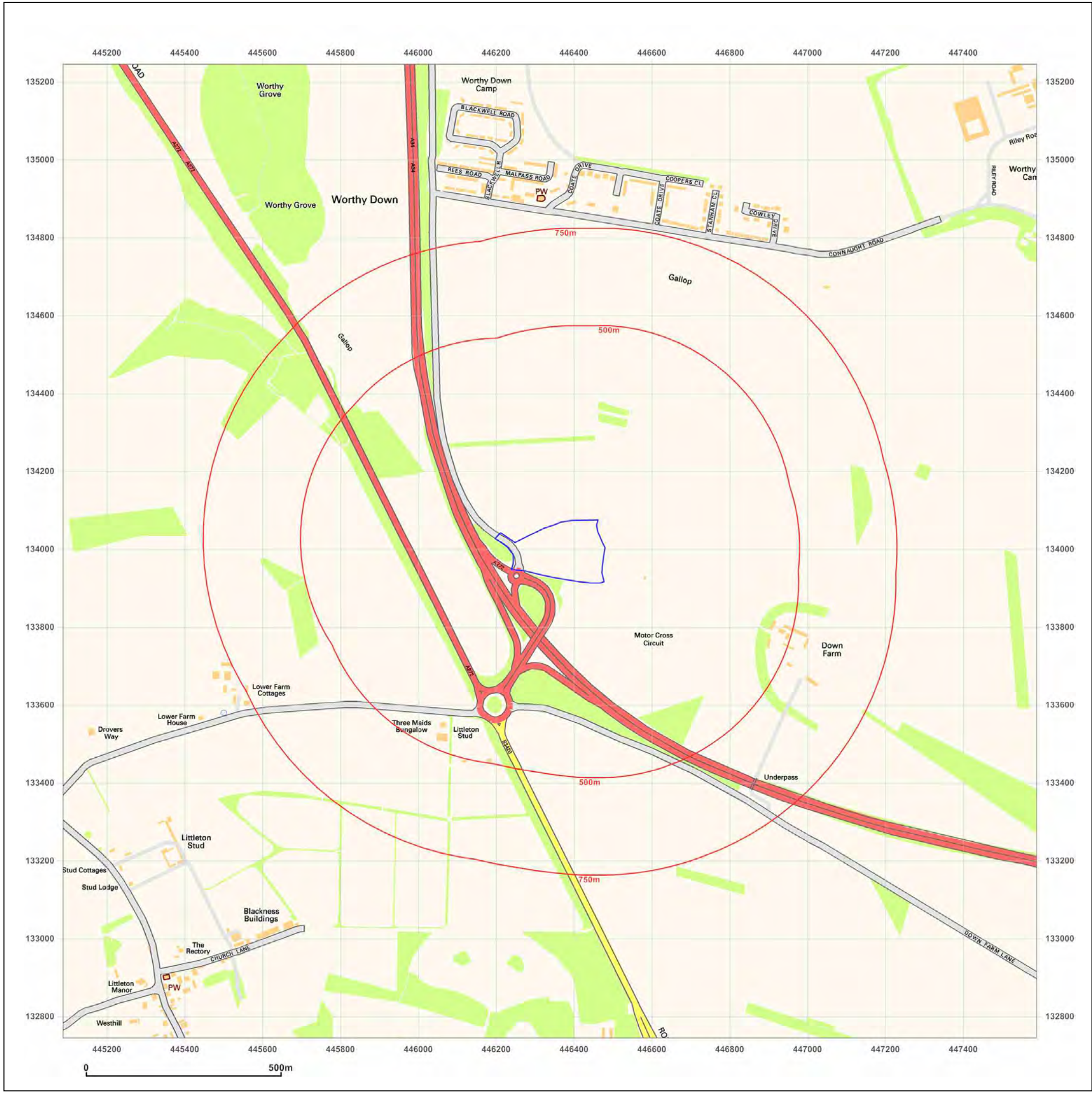


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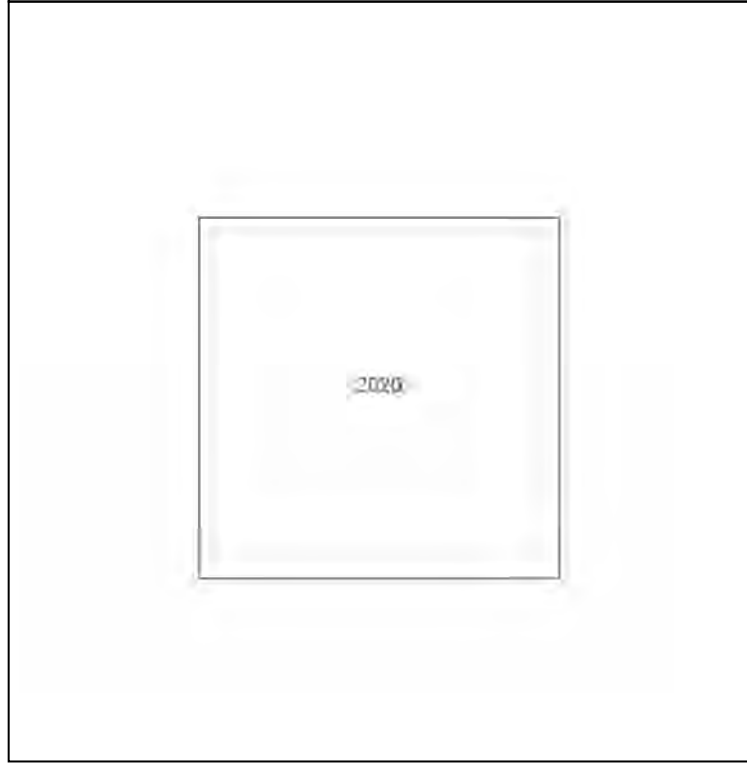
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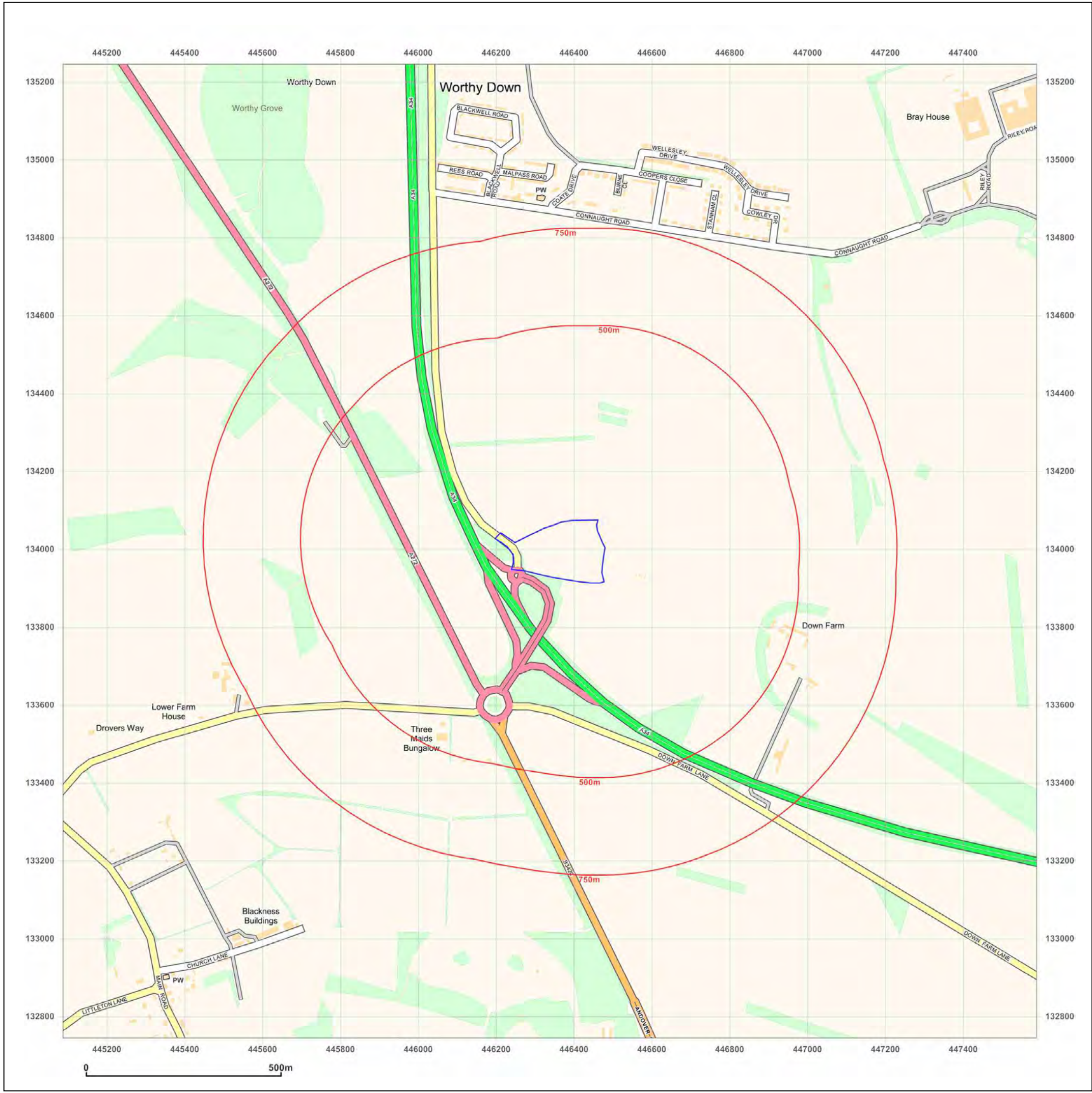


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Grid Ref: 446337, 133994

Map Name: County Series

Map date: 1870

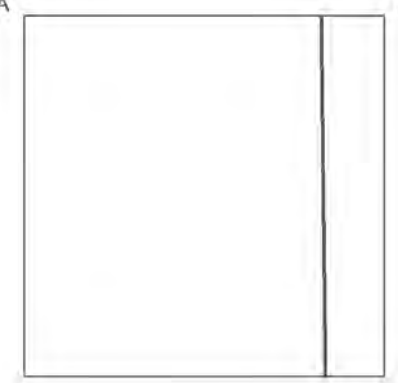
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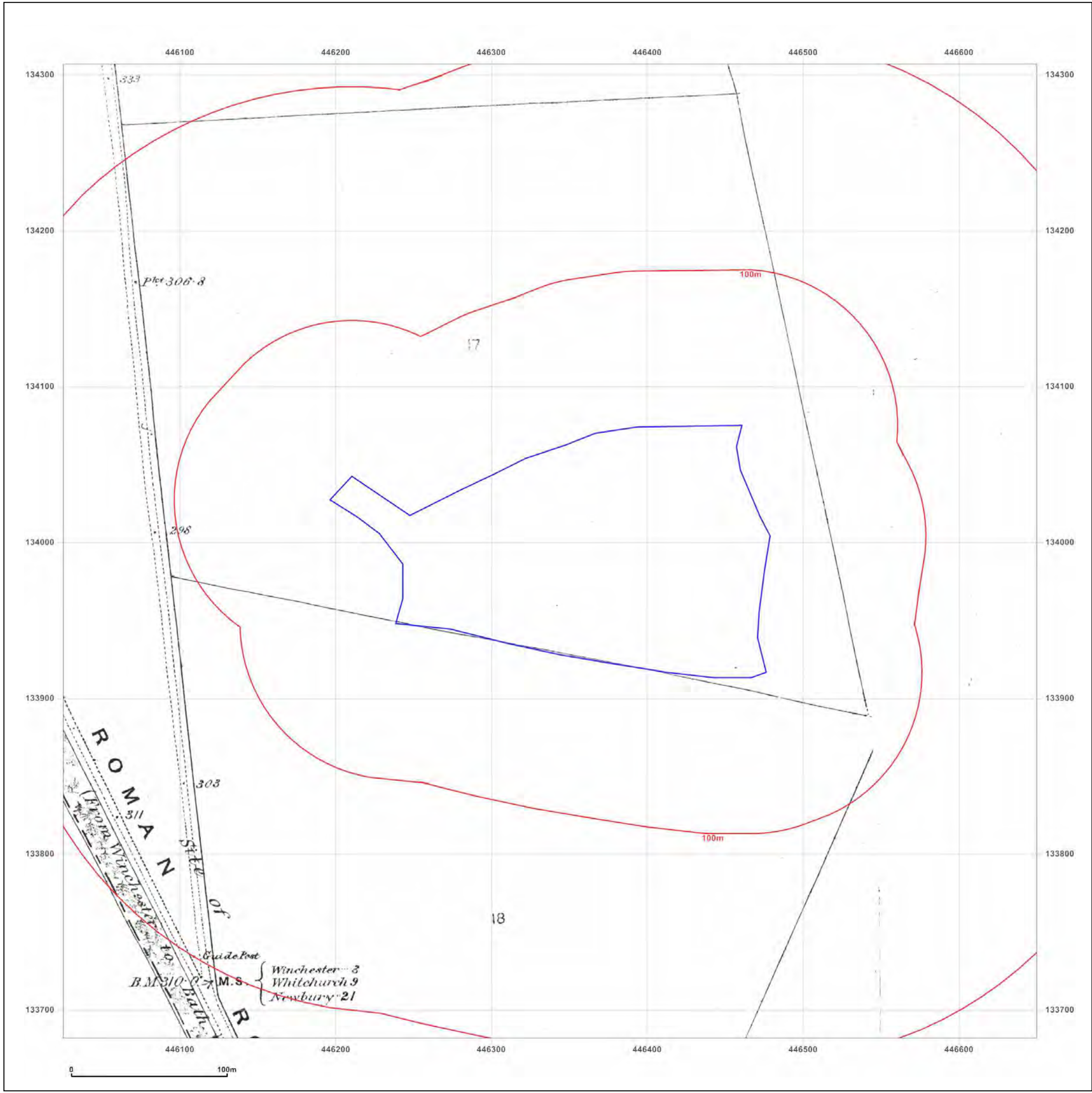


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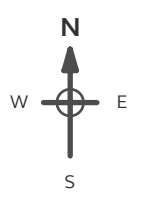
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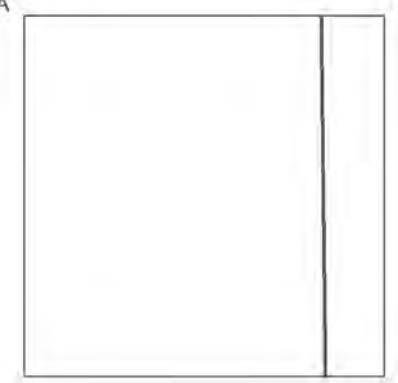
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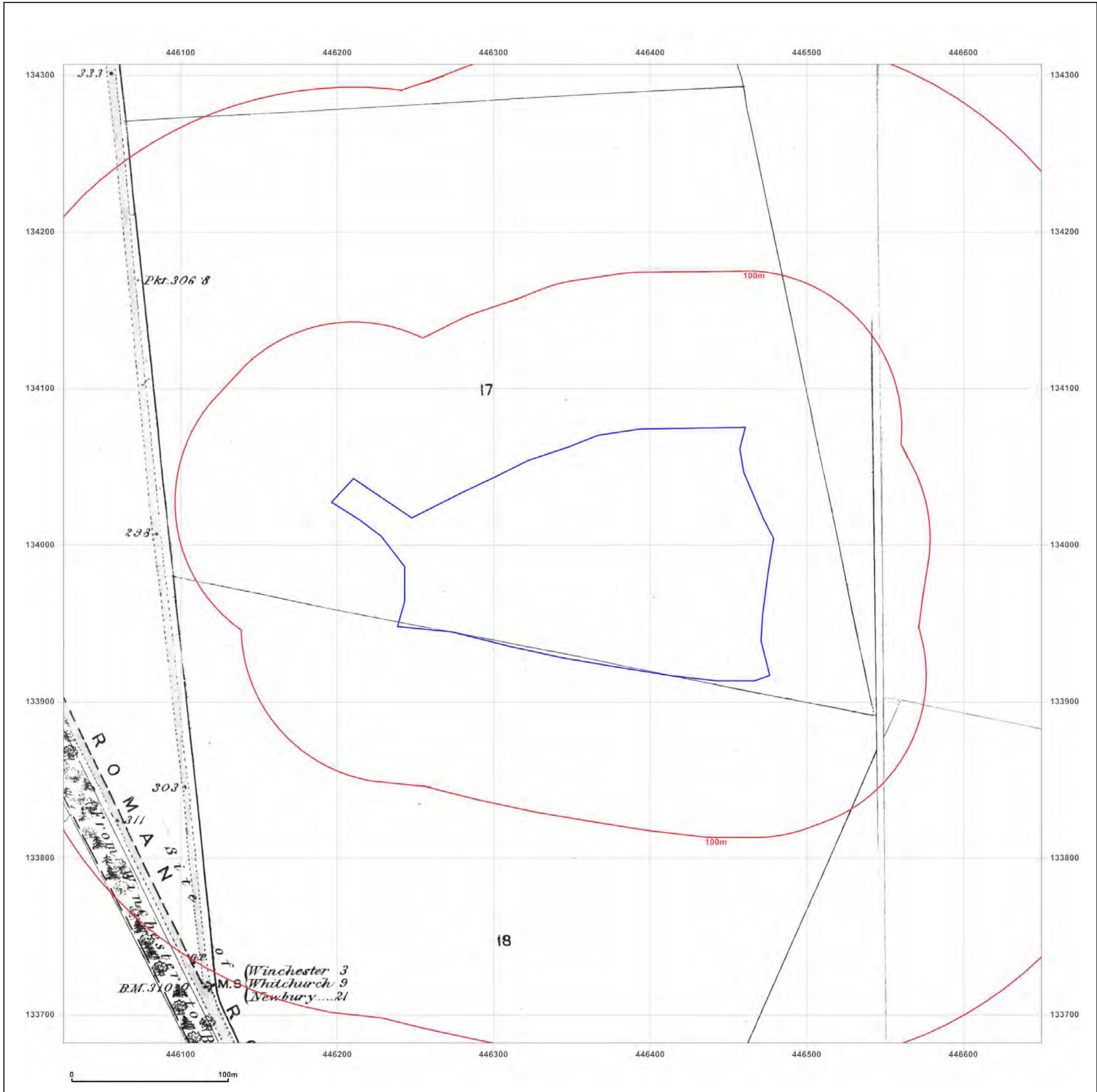


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Map Name: County Series

Map date: 1896

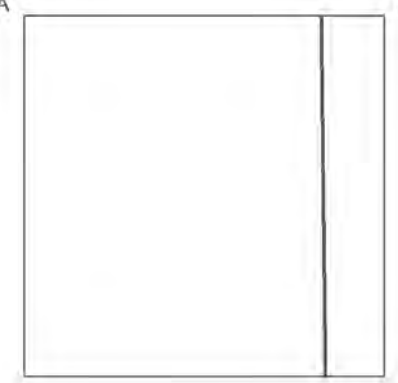
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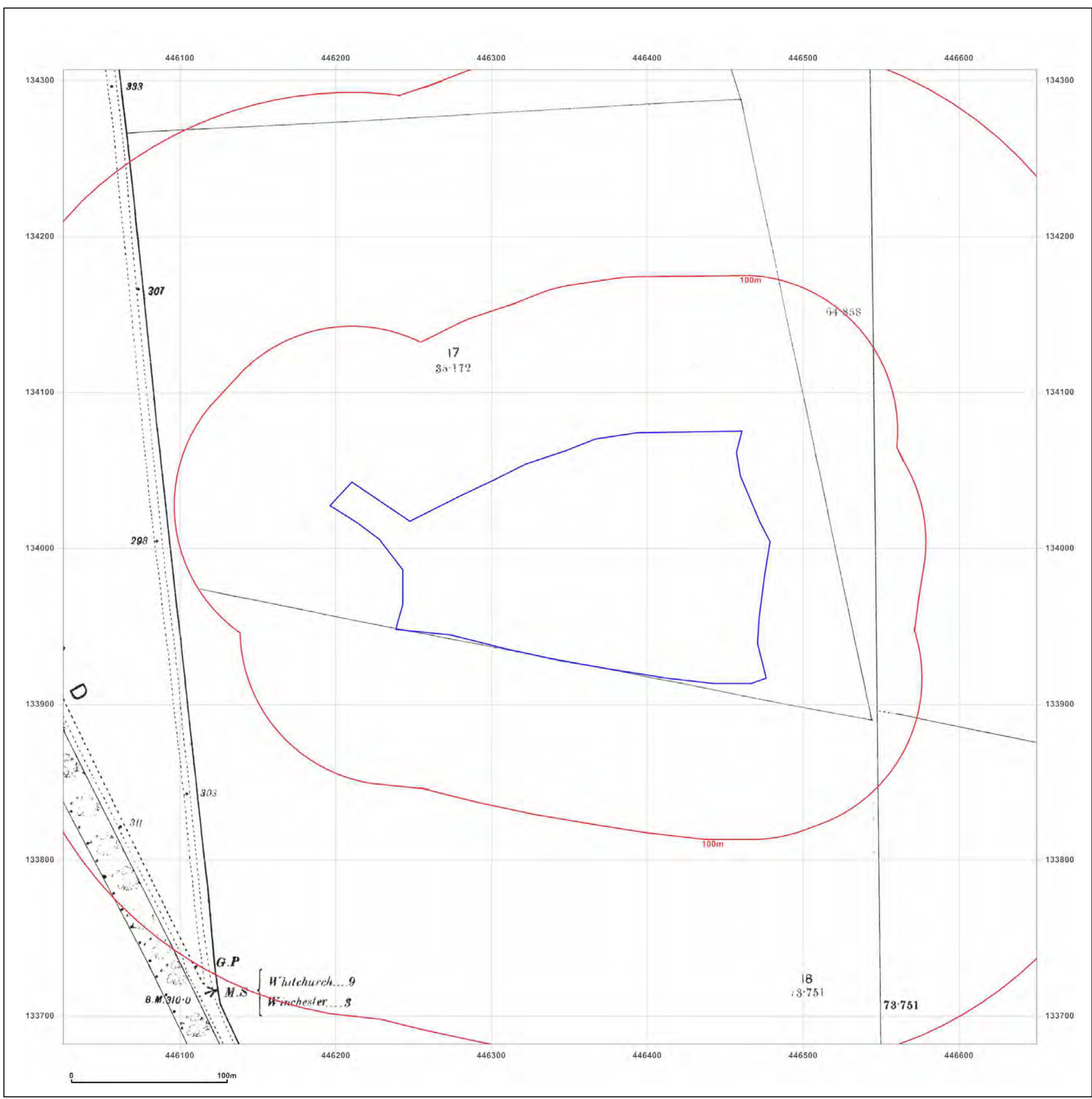


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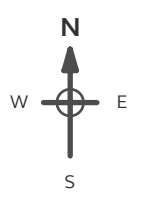
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Map Name: County Series

Map date: 1910

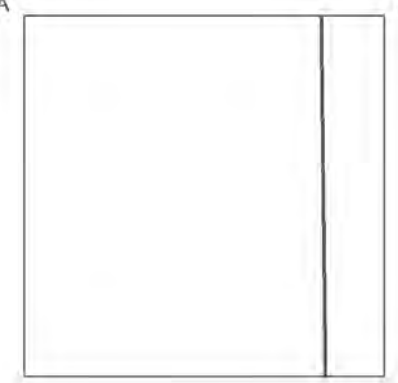
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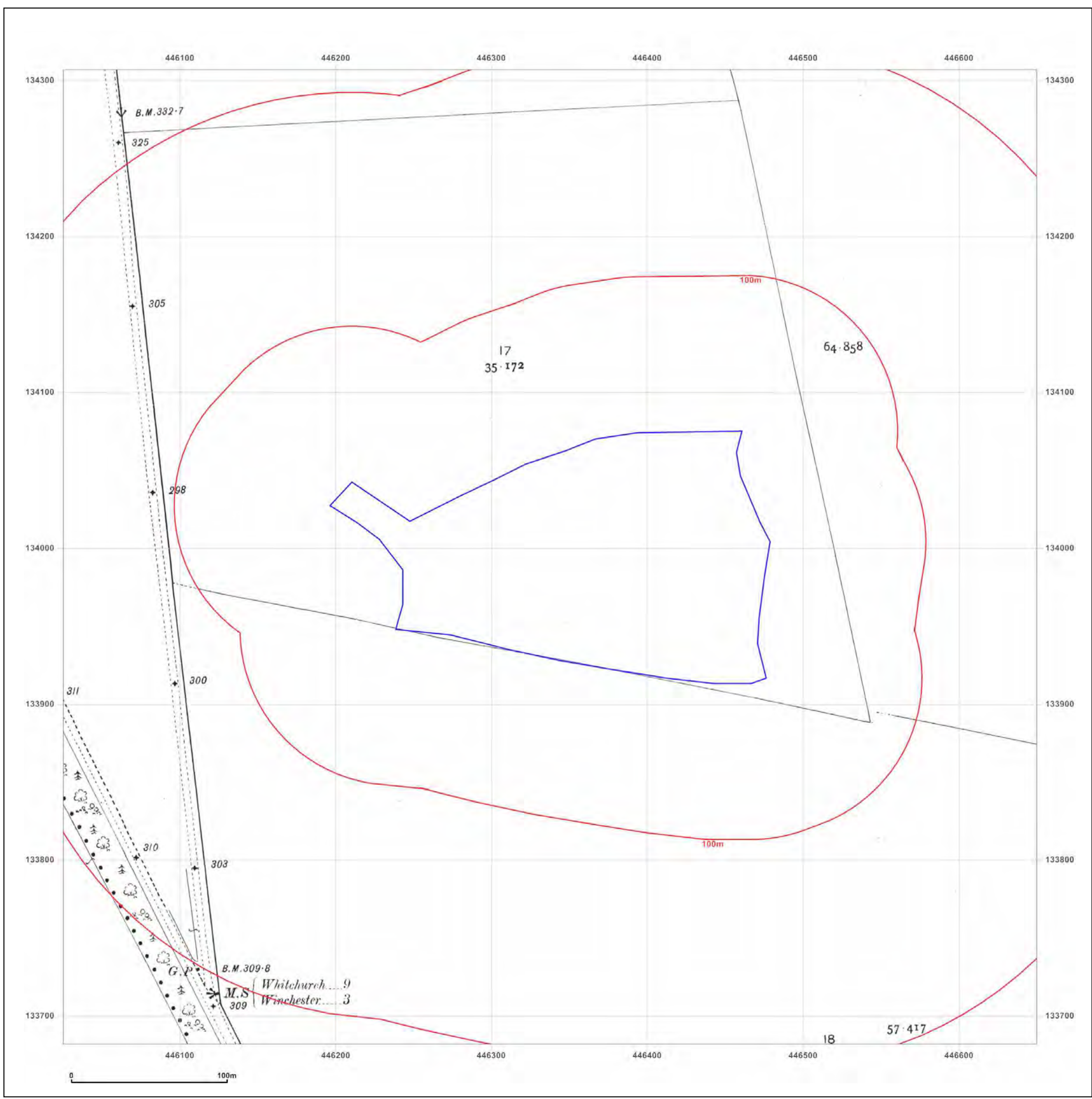


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Site Details:

446378.0118774826,
134000.3766914833

Client Ref: 33689- Site_1
Report Ref: GS-7137909
Grid Ref: 446337, 133994

Map Name: County Series

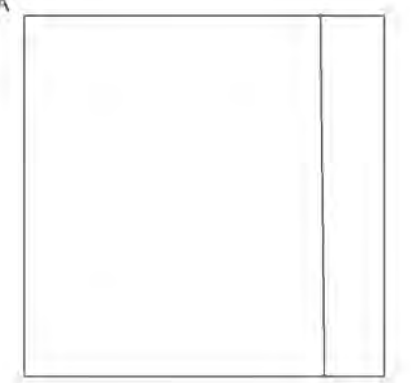
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Scale: 1:2,500

Printed at: 1:2,500



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Revised 1932
Edition N/A
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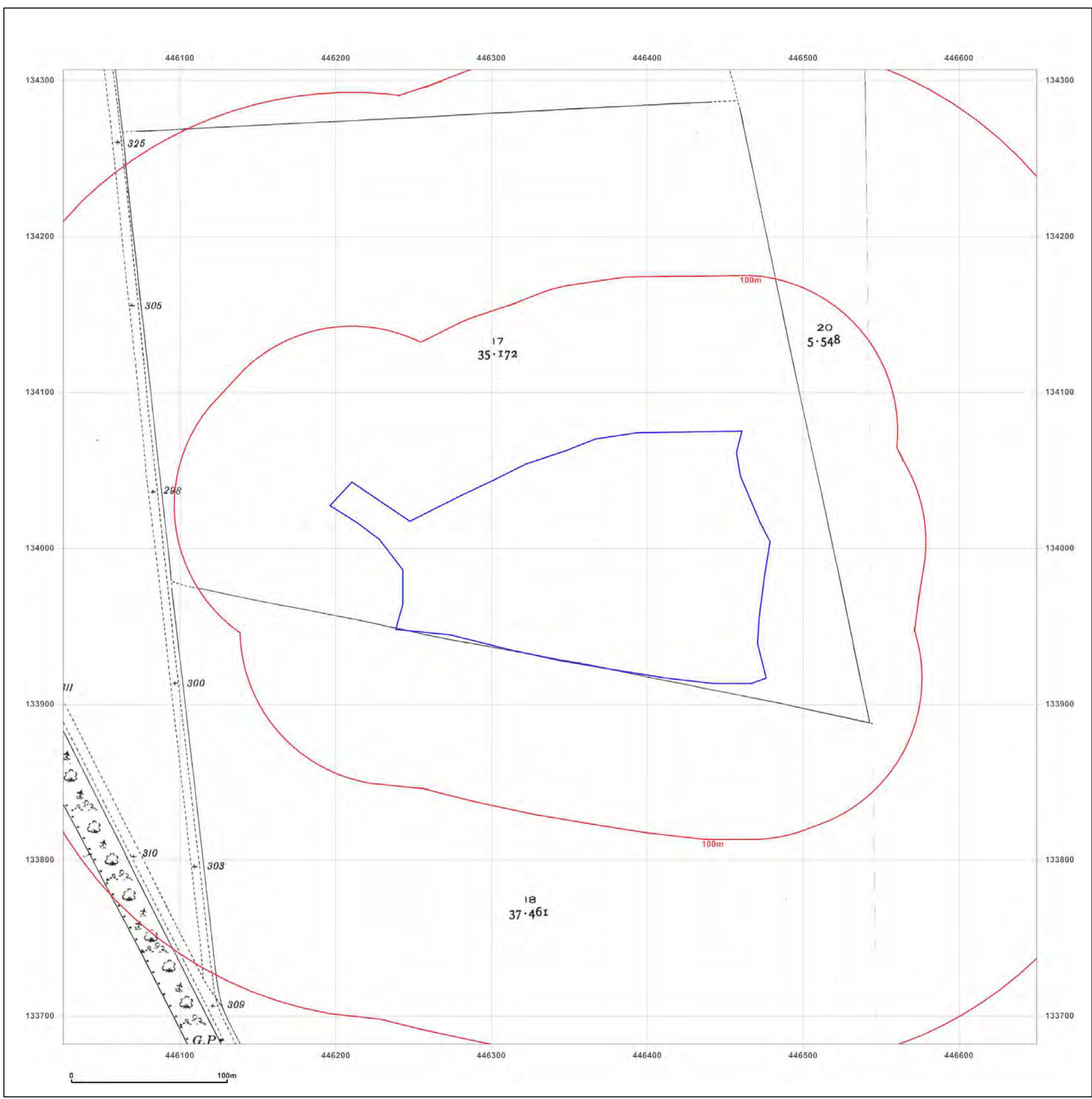


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Site Details:

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134000.3766914833

Client Ref: 33689- Site_1
Report Ref: GS-7137909
Grid Ref: 446337, 133994

Map Name: National Grid

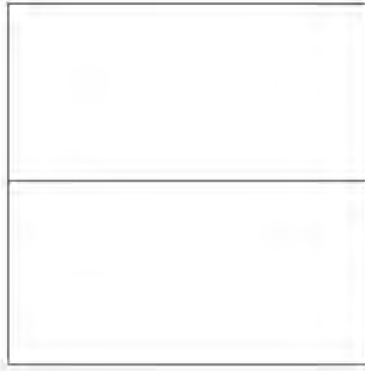
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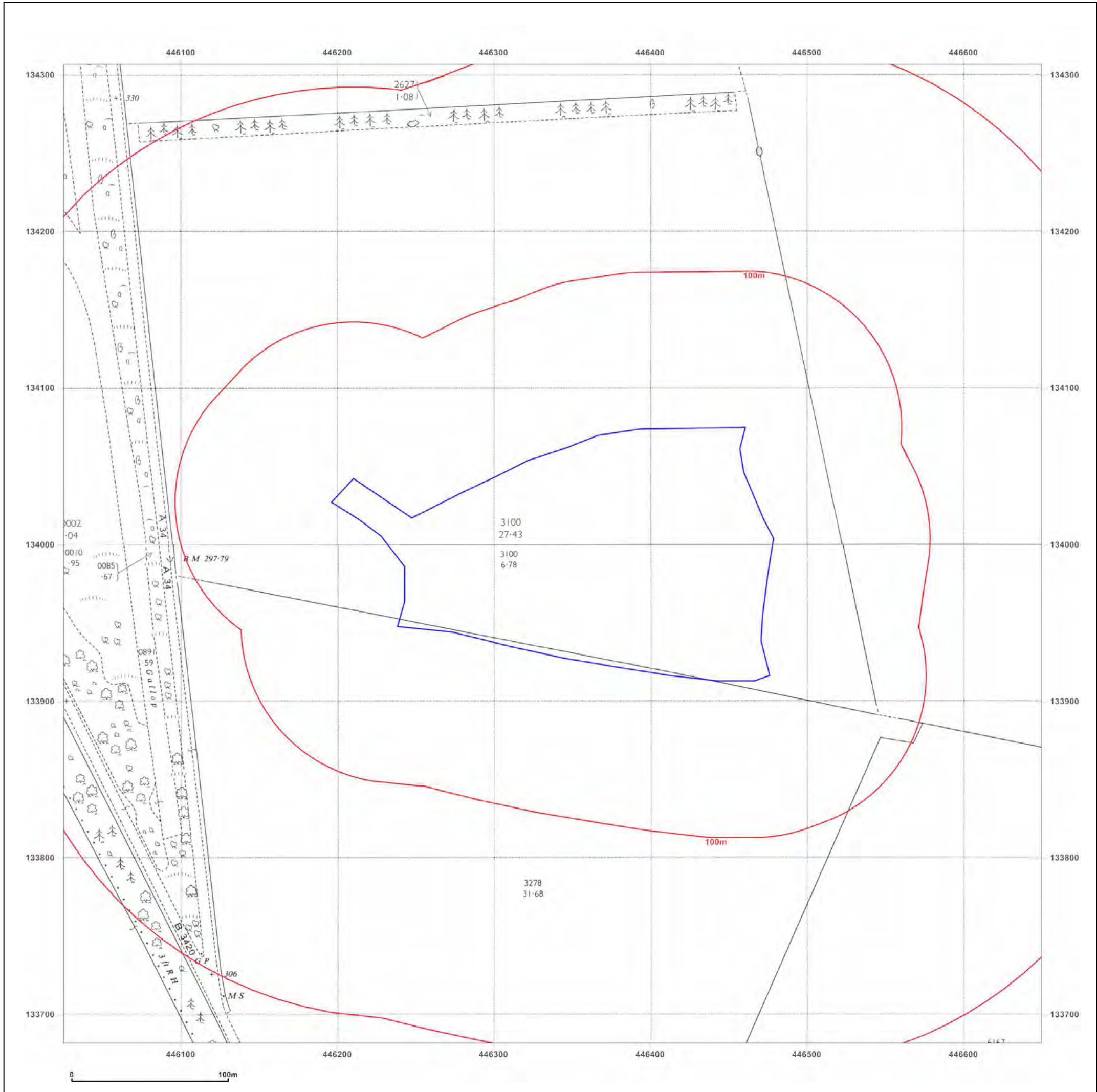
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Surveyed 1962
Revised 1962
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Site Details:

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134000.3766914833

Client Ref: 33689- Site_1
Report Ref: GS-7137909
Grid Ref: 446337, 133994

Map Name: National Grid

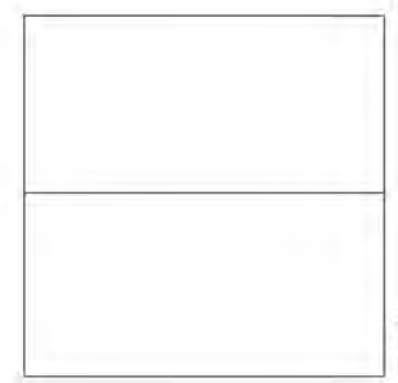
Map date: 1969

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Printed at: 1:2,500



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Edition N/A
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Surveyed 1969
Revised 1969
Edition N/A
Copyright 1970
Levelled 1958

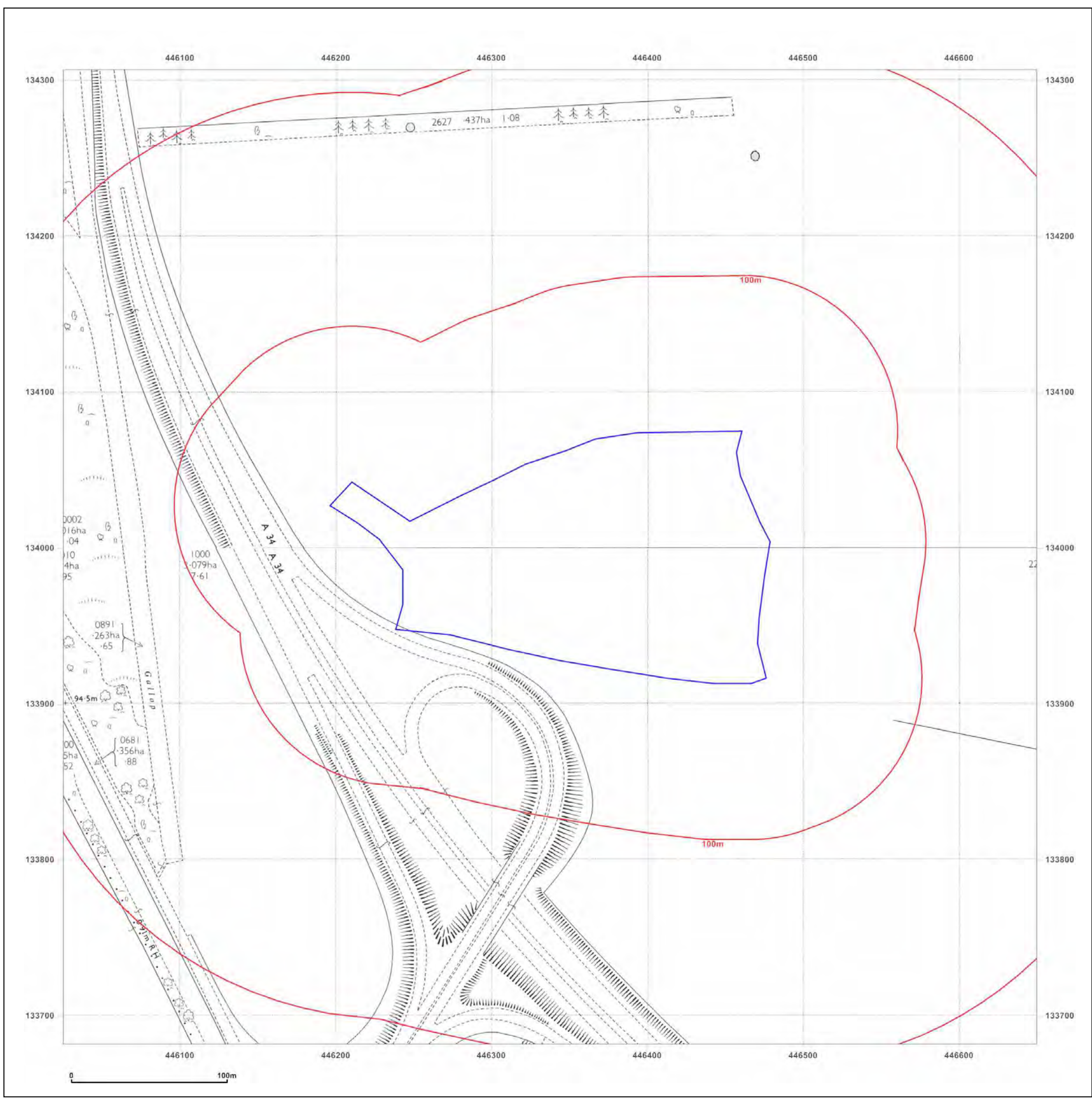


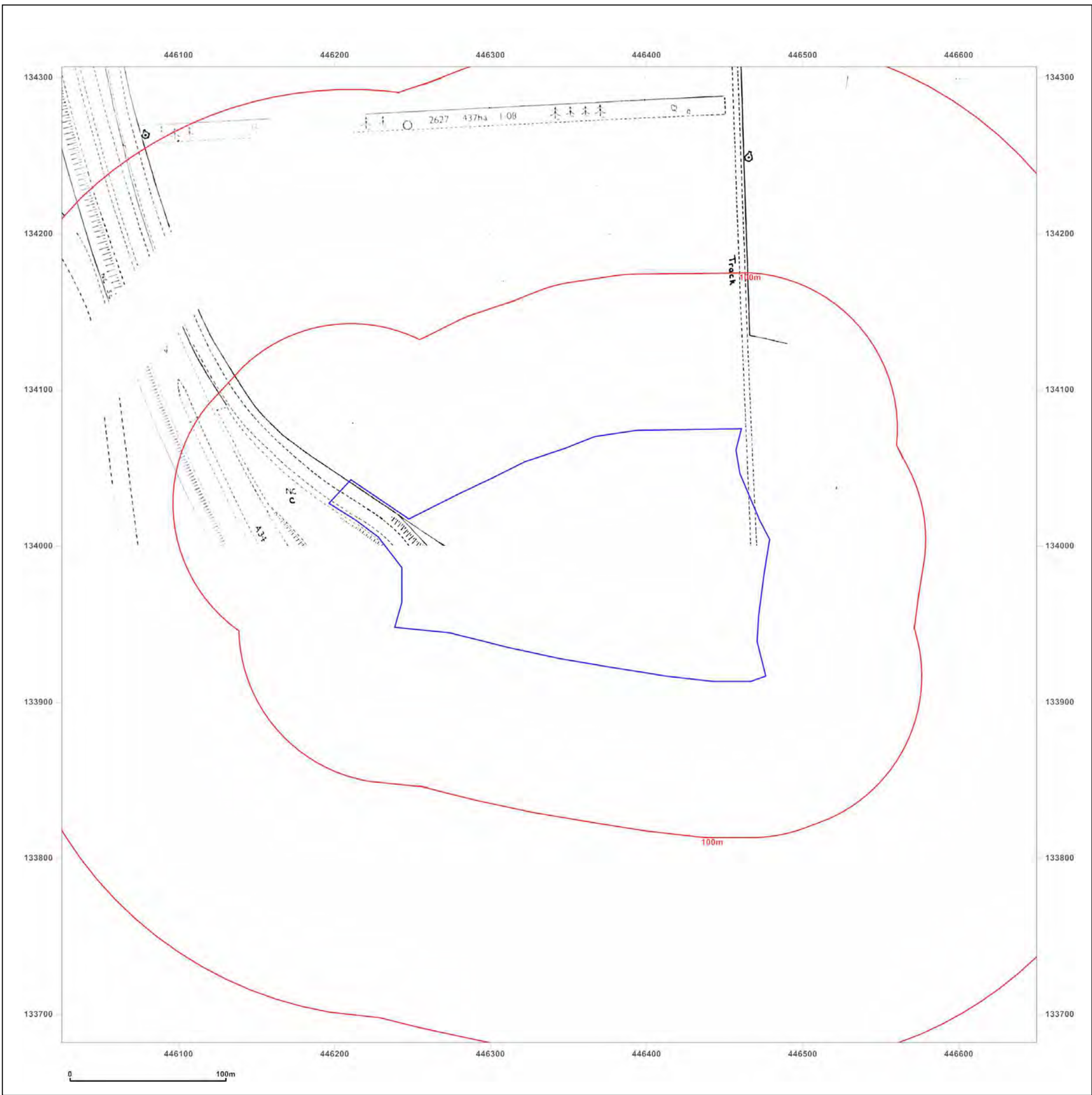
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Site Details:

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Client Ref: 33689- Site_1
Report Ref: GS-7137909
Grid Ref: 446337, 133994

Map Name: National Grid

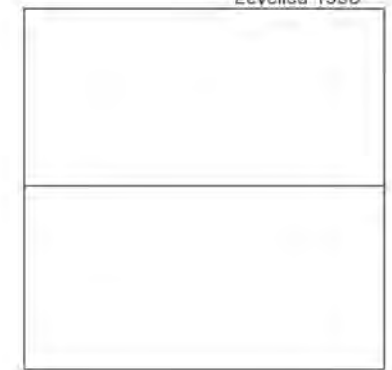
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Scale: 1:2,500

Printed at: 1:2,500



Surveyed N/A
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Edition N/A
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Report Ref: GS-7137909
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Map Name: National Grid

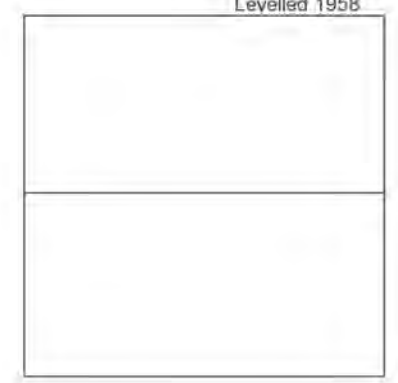
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Revised N/A
Edition N/A
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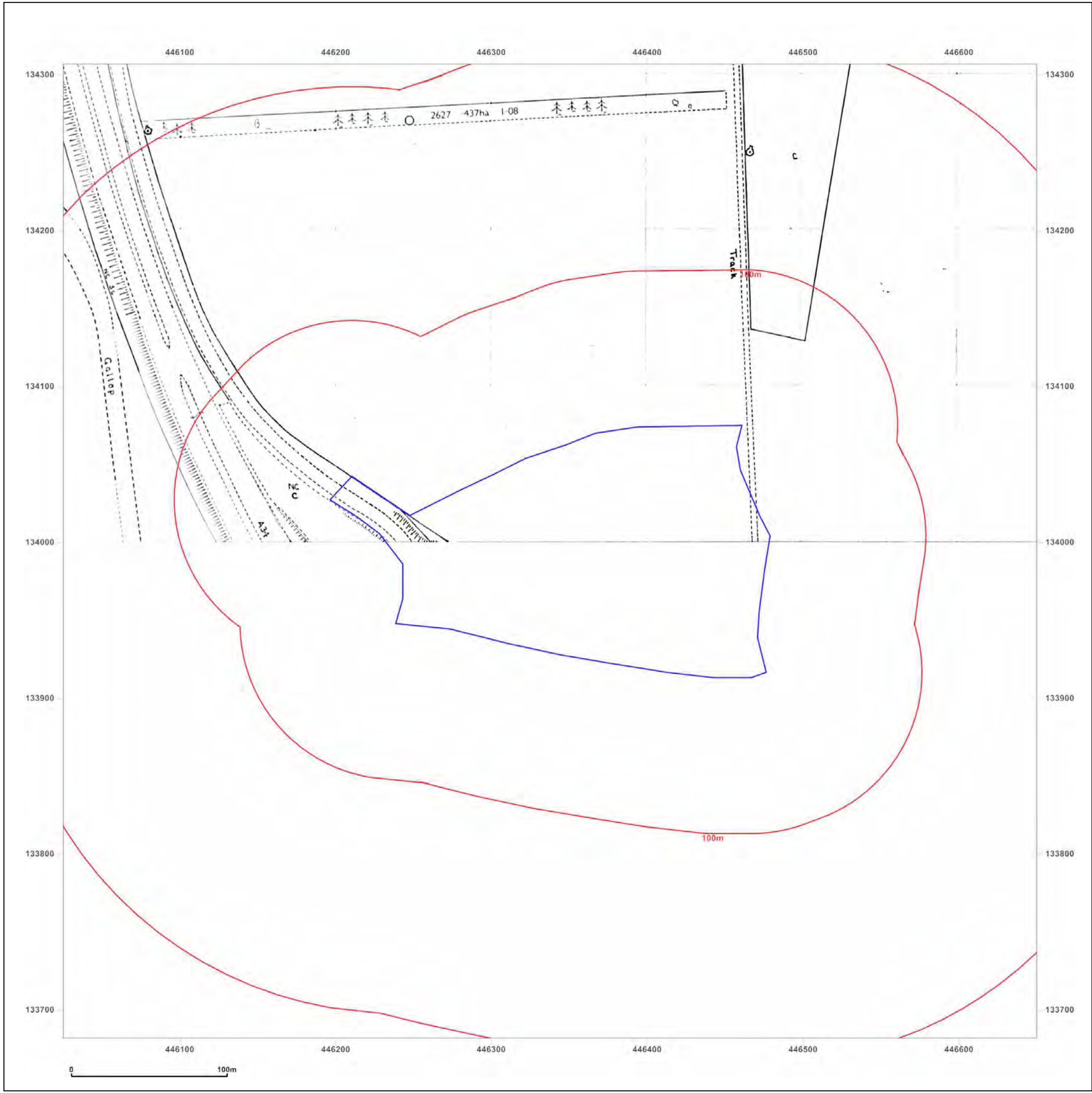


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Report Ref: GS-7137909
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Map Name: National Grid

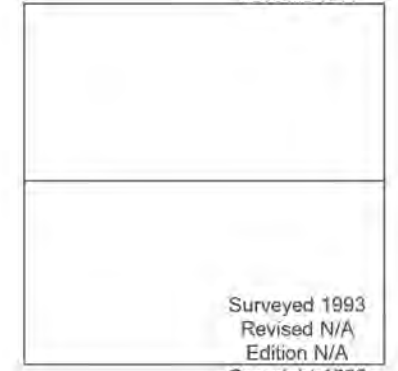
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Scale: 1:2,500

Printed at: 1:2,500



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Revised 1993
Edition N/A
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Surveyed 1993
Revised N/A
Edition N/A
Copyright 1993
Levelled N/A

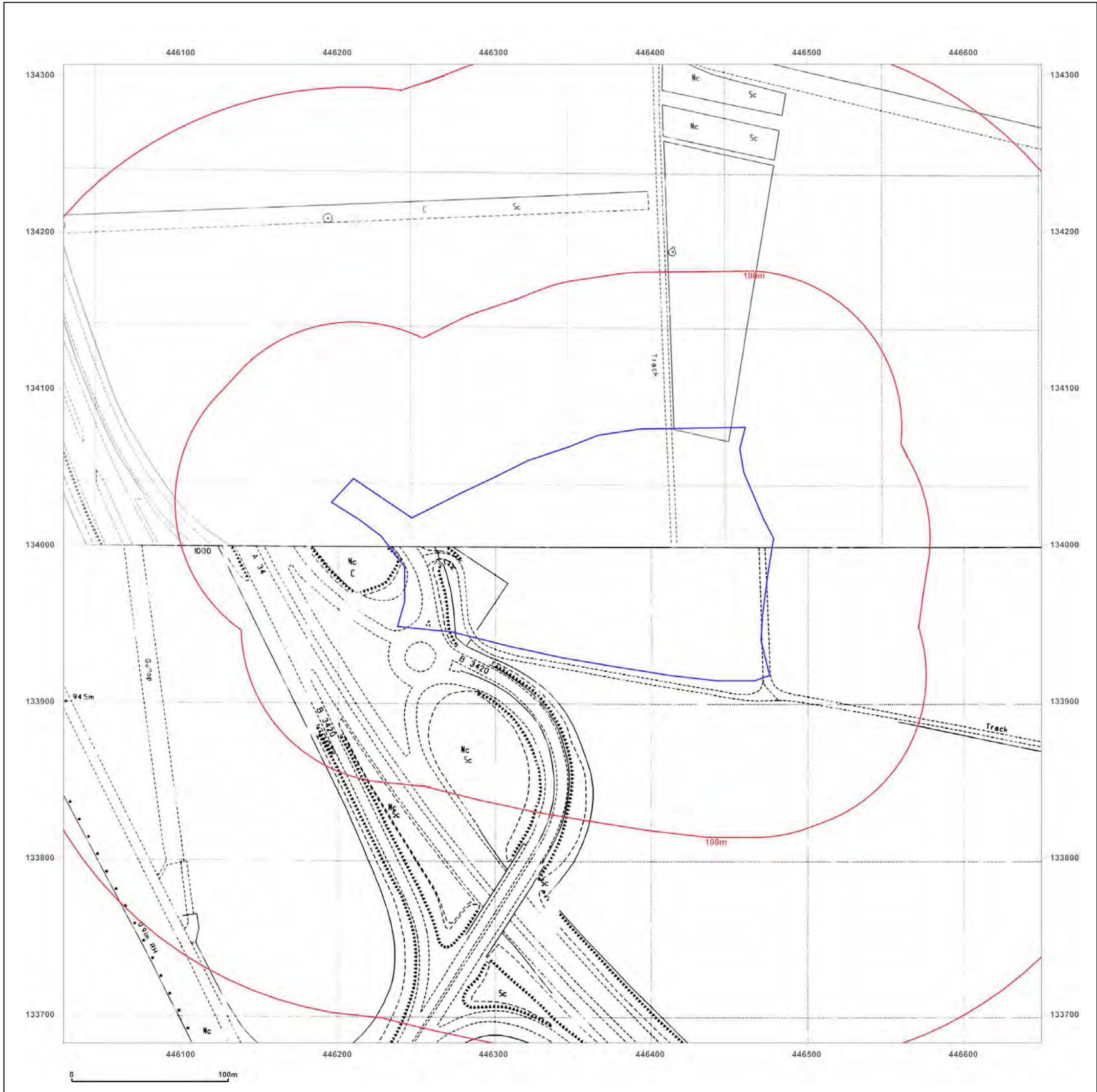


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Production date: 07 October 2020

Map legend available at:

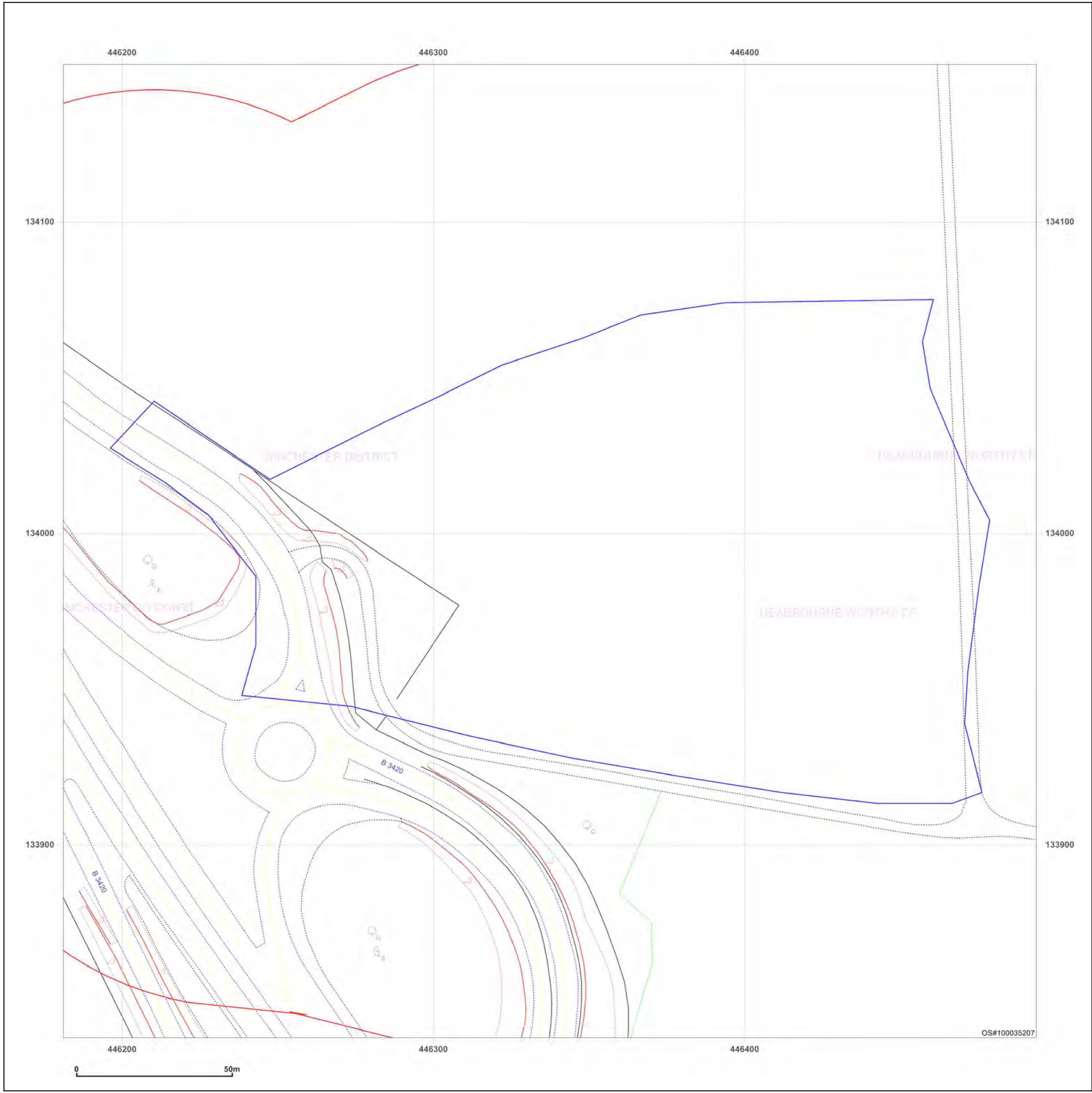
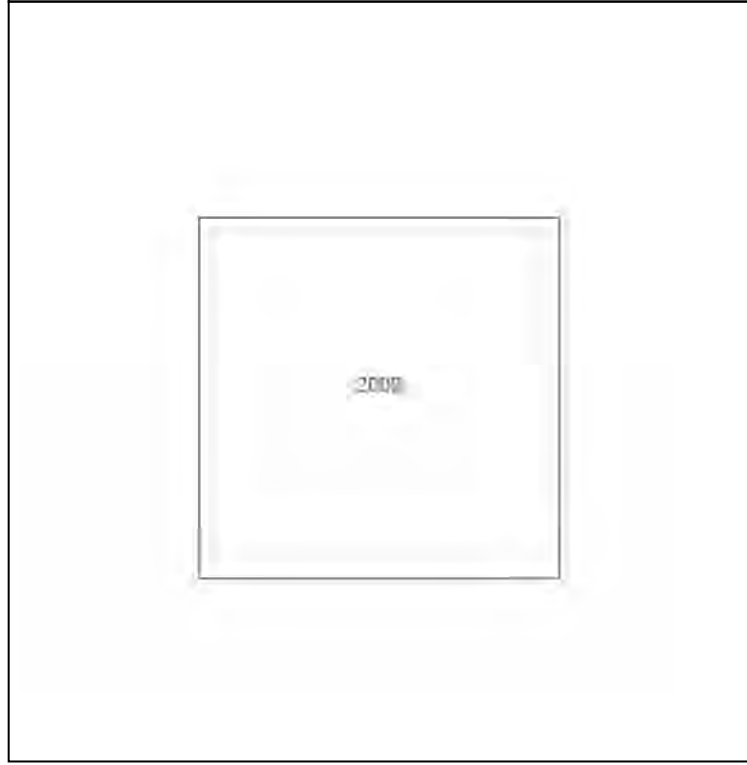
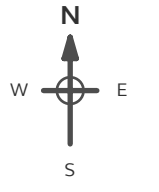


Site Details:

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134000.3766914833

Client Ref: 33689- Site_1
Report Ref: GS-7137909
Grid Ref: 446337, 133994

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



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Map legend available at:

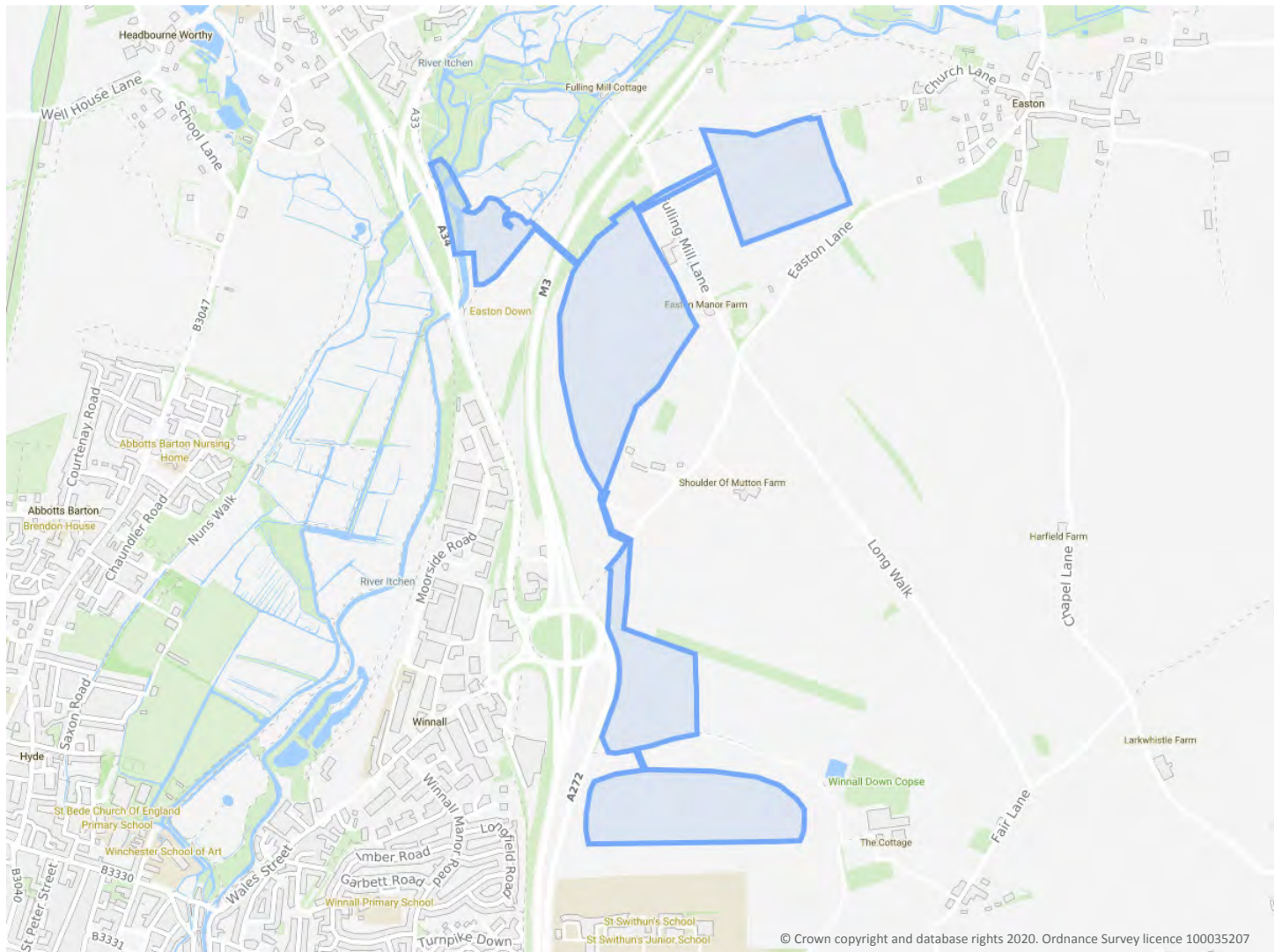
449969.3362893146, 131042.05233653993,

Order Details

Date: 07/10/2020
Your ref: 33689-_M3J9-Site_2
Our Ref: GS-7137934
Client: Stantec UK Ltd

Site Details

Location: 449815 130971
Area: 58.19 ha
Authority: [Winchester City Council](#)



Summary of findings

p. 2

Aerial image

p. 8

OS MasterMap site plan

N/A: >10ha

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Contact us with any questions at:

info@groundsure.com

08444 159 000

Summary of findings

Page	Section	Past land use	On site	0-50m	50-250m	250-500m	500-2000m
12	1.1	<u>Historical industrial land uses</u>	5	0	31	82	-
17	1.2	<u>Historical tanks</u>	0	2	8	68	-
20	1.3	<u>Historical energy features</u>	0	0	5	33	-
22	1.4	<u>Historical petrol stations</u>	0	0	2	1	-
22	1.5	<u>Historical garages</u>	0	0	0	11	-
23	1.6	Historical military land	0	0	0	0	-
Page	Section	Past land use - un-grouped	On site	0-50m	50-250m	250-500m	500-2000m
24	2.1	<u>Historical industrial land uses</u>	7	0	43	104	-
30	2.2	<u>Historical tanks</u>	0	4	13	128	-
36	2.3	<u>Historical energy features</u>	0	0	8	61	-
38	2.4	<u>Historical petrol stations</u>	0	0	3	1	-
39	2.5	<u>Historical garages</u>	0	0	0	13	-
Page	Section	Waste and landfill	On site	0-50m	50-250m	250-500m	500-2000m
40	3.1	Active or recent landfill	0	0	0	0	-
40	3.2	Historical landfill (BGS records)	0	0	0	0	-
41	3.3	Historical landfill (LA/mapping records)	0	0	0	0	-
41	3.4	<u>Historical landfill (EA/NRW records)</u>	2	0	0	1	-
42	3.5	<u>Historical waste sites</u>	0	1	0	0	-
42	3.6	<u>Licensed waste sites</u>	0	0	1	0	-
43	3.7	<u>Waste exemptions</u>	0	1	22	19	-
Page	Section	Current industrial land use	On site	0-50m	50-250m	250-500m	500-2000m
47	4.1	<u>Recent industrial land uses</u>	1	4	17	-	-
49	4.2	<u>Current or recent petrol stations</u>	0	0	0	2	-
49	4.3	Electricity cables	0	0	0	0	-
49	4.4	Gas pipelines	0	0	0	0	-
49	4.5	Sites determined as Contaminated Land	0	0	0	0	-



49	4.6	<u>Control of Major Accident Hazards (COMAH)</u>	0	0	1	0	-
50	4.7	Regulated explosive sites	0	0	0	0	-
50	4.8	<u>Hazardous substance storage/usage</u>	0	0	0	1	-
50	4.9	Historical licensed industrial activities (IPC)	0	0	0	0	-
51	4.10	Licensed industrial activities (Part A(1))	0	0	0	0	-
51	4.11	<u>Licensed pollutant release (Part A(2)/B)</u>	0	0	0	4	-
52	4.12	Radioactive Substance Authorisations	0	0	0	0	-
52	4.13	<u>Licensed Discharges to controlled waters</u>	0	1	26	16	-
59	4.14	Pollutant release to surface waters (Red List)	0	0	0	0	-
59	4.15	Pollutant release to public sewer	0	0	0	0	-
59	4.16	List 1 Dangerous Substances	0	0	0	0	-
59	4.17	List 2 Dangerous Substances	0	0	0	0	-
59	4.18	<u>Pollution Incidents (EA/NRW)</u>	0	0	3	1	-
60	4.19	Pollution inventory substances	0	0	0	0	-
60	4.20	Pollution inventory waste transfers	0	0	0	0	-
61	4.21	Pollution inventory radioactive waste	0	0	0	0	-
Page	Section	Hydrogeology	On site	0-50m	50-250m	250-500m	500-2000m
62	5.1	<u>Superficial aquifer</u>	Identified (within 500m)				
65	5.2	<u>Bedrock aquifer</u>	Identified (within 500m)				
67	5.3	<u>Groundwater vulnerability</u>	Identified (within 50m)				
71	5.4	<u>Groundwater vulnerability- soluble rock risk</u>	Identified (within 0m)				
72	5.5	<u>Groundwater vulnerability- local information</u>	Identified (within 0m)				
74	5.6	<u>Groundwater abstractions</u>	0	2	6	0	14
80	5.7	Surface water abstractions	0	0	0	0	0
80	5.8	<u>Potable abstractions</u>	0	0	3	0	0
81	5.9	<u>Source Protection Zones</u>	2	0	0	0	-
81	5.10	Source Protection Zones (confined aquifer)	0	0	0	0	-
Page	Section	Hydrology	On site	0-50m	50-250m	250-500m	500-2000m
82	6.1	<u>Water Network (OS MasterMap)</u>	9	22	84	-	-



91	6.2	<u>Surface water features</u>	1	3	20	-	-
92	6.3	<u>WFD Surface water body catchments</u>	1	-	-	-	-
92	6.4	<u>WFD Surface water bodies</u>	1	0	0	-	-
93	6.5	<u>WFD Groundwater bodies</u>	1	-	-	-	-
Page	Section	River and coastal flooding	On site	0-50m	50-250m	250-500m	500-2000m
94	7.1	<u>Risk of Flooding from Rivers and Sea (RoFRaS)</u>	High (within 50m)				
95	7.2	<u>Historical Flood Events</u>	0	0	14	-	-
96	7.3	Flood Defences	0	0	0	-	-
96	7.4	Areas Benefiting from Flood Defences	0	0	0	-	-
96	7.5	Flood Storage Areas	0	0	0	-	-
97	7.6	<u>Flood Zone 2</u>	Identified (within 50m)				
98	7.7	<u>Flood Zone 3</u>	Identified (within 50m)				
Page	Section	Surface water flooding					
99	8.1	<u>Surface water flooding</u>	1 in 30 year, Greater than 1.0m (within 50m)				
Page	Section	Groundwater flooding					
101	9.1	<u>Groundwater flooding</u>	High (within 50m)				
Page	Section	Environmental designations	On site	0-50m	50-250m	250-500m	500-2000m
102	10.1	<u>Sites of Special Scientific Interest (SSSI)</u>	1	0	0	1	3
103	10.2	Conserved wetland sites (Ramsar sites)	0	0	0	0	0
103	10.3	<u>Special Areas of Conservation (SAC)</u>	1	0	0	0	0
104	10.4	Special Protection Areas (SPA)	0	0	0	0	0
104	10.5	National Nature Reserves (NNR)	0	0	0	0	0
104	10.6	Local Nature Reserves (LNR)	0	0	0	0	0
104	10.7	<u>Designated Ancient Woodland</u>	0	0	0	0	3
105	10.8	Biosphere Reserves	0	0	0	0	0
105	10.9	Forest Parks	0	0	0	0	0
105	10.10	Marine Conservation Zones	0	0	0	0	0
105	10.11	Green Belt	0	0	0	0	0
105	10.12	Proposed Ramsar sites	0	0	0	0	0



106	10.13	Possible Special Areas of Conservation (pSAC)	0	0	0	0	0
106	10.14	Potential Special Protection Areas (pSPA)	0	0	0	0	0
106	10.15	Nitrate Sensitive Areas	0	0	0	0	0
106	10.16	<u>Nitrate Vulnerable Zones</u>	2	0	1	0	0
108	10.17	<u>SSSI Impact Risk Zones</u>	7	-	-	-	-
112	10.18	<u>SSSI Units</u>	5	1	14	19	17

Page	Section	Visual and cultural designations	On site	0-50m	50-250m	250-500m	500-2000m
135	11.1	World Heritage Sites	0	0	0	-	-
136	11.2	Area of Outstanding Natural Beauty	0	0	0	-	-
136	11.3	<u>National Parks</u>	1	0	0	-	-
136	11.4	Listed Buildings	0	0	0	-	-
137	11.5	<u>Conservation Areas</u>	1	0	0	-	-
137	11.6	Scheduled Ancient Monuments	0	0	0	-	-
137	11.7	Registered Parks and Gardens	0	0	0	-	-

Page	Section	Agricultural designations	On site	0-50m	50-250m	250-500m	500-2000m
138	12.1	<u>Agricultural Land Classification</u>	Urban (within 250m)				
139	12.2	Open Access Land	0	0	0	-	-
139	12.3	<u>Tree Felling Licences</u>	0	0	5	-	-
140	12.4	<u>Environmental Stewardship Schemes</u>	0	0	1	-	-
140	12.5	<u>Countryside Stewardship Schemes</u>	0	0	5	-	-

Page	Section	Habitat designations	On site	0-50m	50-250m	250-500m	500-2000m
141	13.1	<u>Priority Habitat Inventory</u>	21	29	113	-	-
149	13.2	<u>Habitat Networks</u>	4	1	13	-	-
150	13.3	Open Mosaic Habitat	0	0	0	-	-
150	13.4	Limestone Pavement Orders	0	0	0	-	-

Page	Section	Geology 1:10,000 scale	On site	0-50m	50-250m	250-500m	500-2000m
151	14.1	<u>10k Availability</u>	Identified (within 500m)				
153	14.2	<u>Artificial and made ground (10k)</u>	2	5	12	5	-
155	14.3	<u>Superficial geology (10k)</u>	13	0	6	6	-

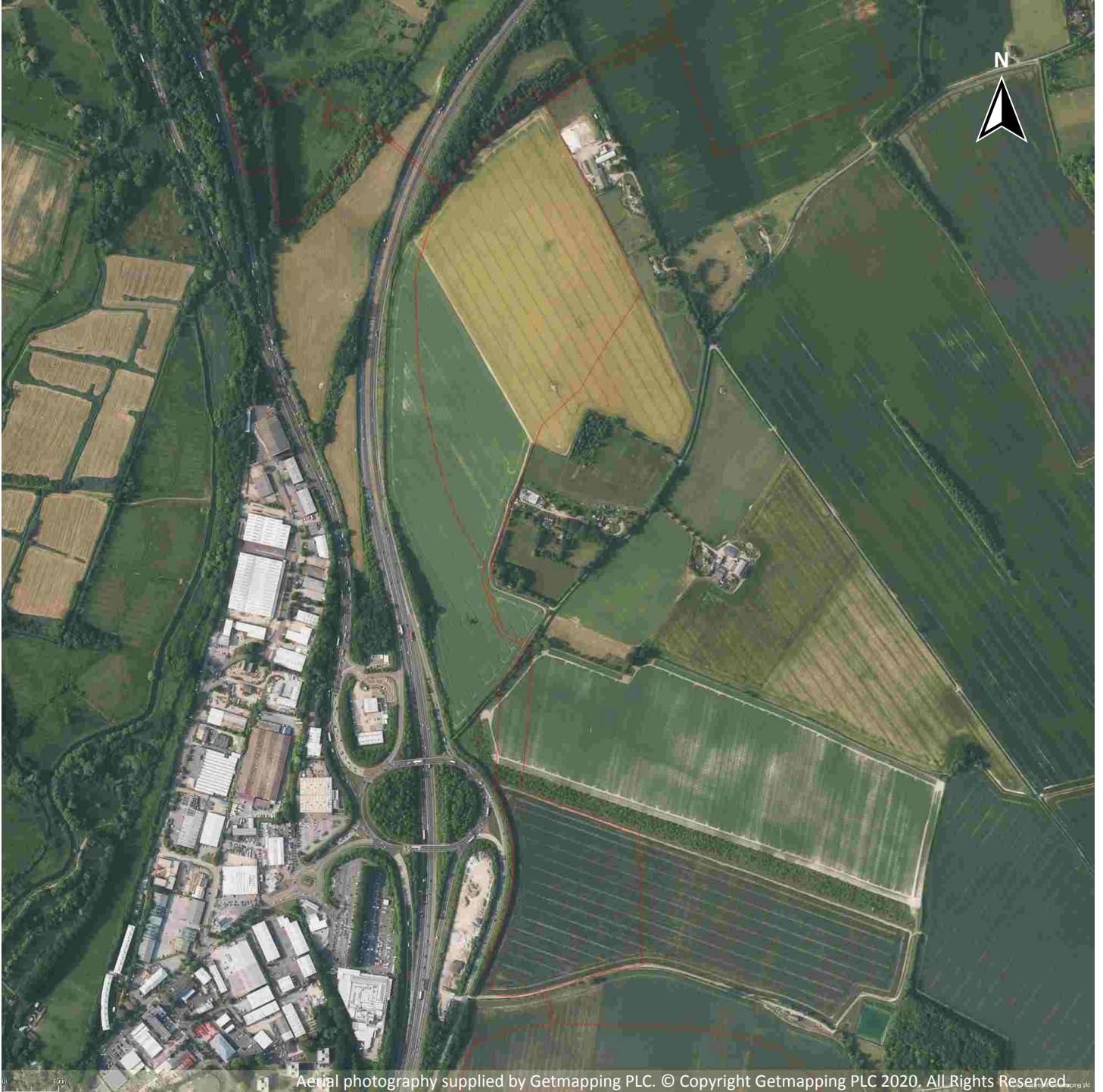


157	14.4	Landslip (10k)	0	0	0	0	-
158	14.5	<u>Bedrock geology (10k)</u>	6	0	2	0	-
159	14.6	Bedrock faults and other linear features (10k)	0	0	0	0	-
Page	Section	Geology 1:50,000 scale	On site	0-50m	50-250m	250-500m	500-2000m
160	15.1	<u>50k Availability</u>	Identified (within 500m)				
161	15.2	<u>Artificial and made ground (50k)</u>	1	0	1	2	-
162	15.3	<u>Artificial ground permeability (50k)</u>	1	0	-	-	-
163	15.4	<u>Superficial geology (50k)</u>	8	0	2	5	-
164	15.5	<u>Superficial permeability (50k)</u>	Identified (within 50m)				
165	15.6	Landslip (50k)	0	0	0	0	-
165	15.7	Landslip permeability (50k)	None (within 50m)				
166	15.8	<u>Bedrock geology (50k)</u>	2	0	1	0	-
167	15.9	<u>Bedrock permeability (50k)</u>	Identified (within 50m)				
167	15.10	Bedrock faults and other linear features (50k)	0	0	0	0	-
Page	Section	Boreholes	On site	0-50m	50-250m	250-500m	500-2000m
168	16.1	<u>BGS Boreholes</u>	0	3	27	-	-
Page	Section	Natural ground subsidence					
170	17.1	<u>Shrink swell clays</u>	Low (within 50m)				
172	17.2	<u>Running sands</u>	Low (within 50m)				
174	17.3	<u>Compressible deposits</u>	Moderate (within 50m)				
176	17.4	<u>Collapsible deposits</u>	Very low (within 50m)				
177	17.5	<u>Landslides</u>	Low (within 50m)				
179	17.6	<u>Ground dissolution of soluble rocks</u>	High (within 50m)				
Page	Section	Mining, ground workings and natural cavities	On site	0-50m	50-250m	250-500m	500-2000m
181	18.1	<u>Natural cavities</u>	0	0	0	1	-
182	18.2	<u>BritPits</u>	1	0	2	0	-
182	18.3	<u>Surface ground workings</u>	7	0	28	-	-
184	18.4	<u>Underground workings</u>	0	0	0	0	8
184	18.5	Historical Mineral Planning Areas	0	0	0	0	-



185	18.6	<u>Non-coal mining</u>	4	0	1	0	1
186	18.7	Mining cavities	0	0	0	0	0
186	18.8	JPB mining areas	None (within 0m)				
186	18.9	Coal mining	None (within 0m)				
186	18.10	Brine areas	None (within 0m)				
186	18.11	Gypsum areas	None (within 0m)				
187	18.12	Tin mining	None (within 0m)				
187	18.13	Clay mining	None (within 0m)				
Page	Section	Radon					
188	19.1	<u>Radon</u>	Between 3% and 5% (within 0m)				
Page	Section	Soil chemistry	On site	0-50m	50-250m	250-500m	500-2000m
190	20.1	<u>BGS Estimated Background Soil Chemistry</u>	46	6	-	-	-
193	20.2	BGS Estimated Urban Soil Chemistry	0	0	-	-	-
193	20.3	BGS Measured Urban Soil Chemistry	0	0	-	-	-
Page	Section	Railway infrastructure and projects	On site	0-50m	50-250m	250-500m	500-2000m
194	21.1	Underground railways (London)	0	0	0	-	-
194	21.2	Underground railways (Non-London)	0	0	0	-	-
195	21.3	Railway tunnels	0	0	0	-	-
195	21.4	<u>Historical railway and tunnel features</u>	0	0	1	-	-
195	21.5	Royal Mail tunnels	0	0	0	-	-
195	21.6	<u>Historical railways</u>	0	1	0	-	-
196	21.7	Railways	0	0	0	-	-
196	21.8	Crossrail 1	0	0	0	0	-
196	21.9	Crossrail 2	0	0	0	0	-
196	21.10	HS2	0	0	0	0	-

Recent aerial photograph



Capture Date: 20/06/2017

Site Area: 58.19ha



Recent site history - 2013 aerial photograph



Capture Date: 04/06/2013

Site Area: 58.19ha



Recent site history - 2005 aerial photograph



Capture Date: 07/06/2005

Site Area: 58.19ha



Recent site history - 1999 aerial photograph

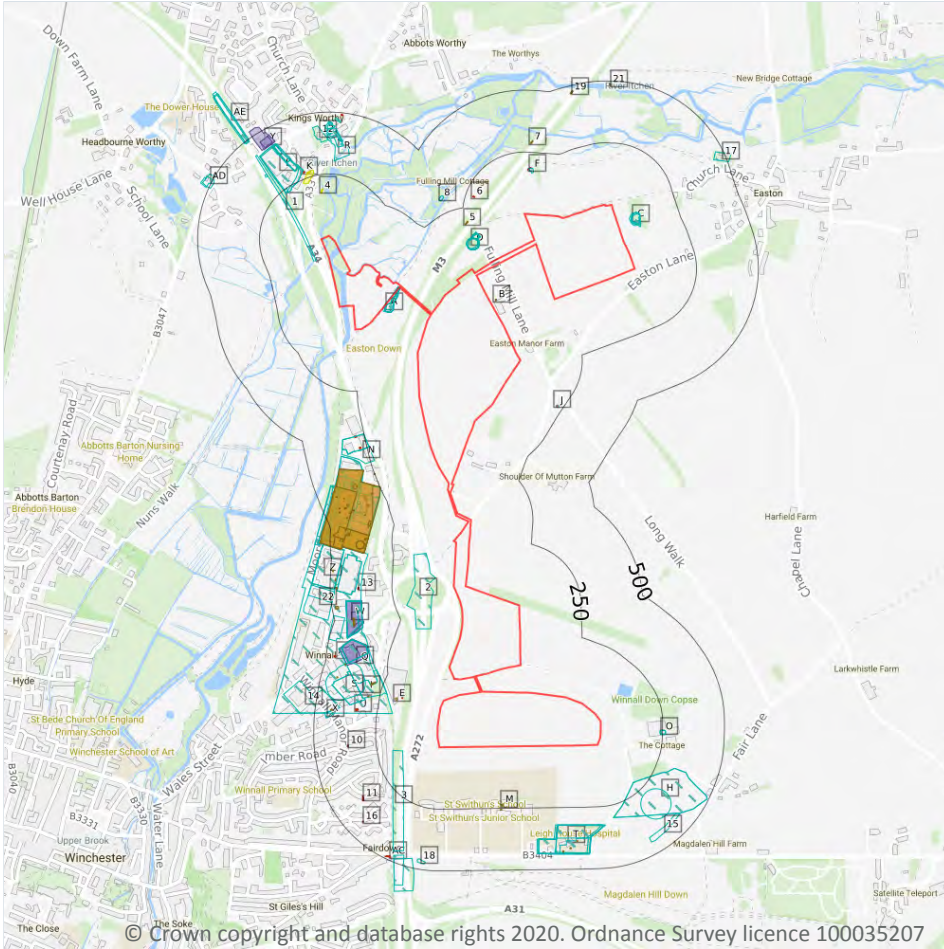


Capture Date: 29/07/1999

Site Area: 58.19ha



1 Past land use



Site Outline

Search buffers in metres (m)

- Historical industrial land uses
- Historical tanks
- Historical energy features
- Historical petrol stations
- Historical garages

1.1 Historical industrial land uses

Records within 500m **118**

Potentially contaminative land use features digitised from historical Ordnance Survey mapping at 1:10,000 and 1:10,560 scale, intelligently grouped into contiguous features. To prevent misrepresentation of the size of historical features at any given time, features are only grouped if they have similar geometries within immediately preceding or succeeding map editions. See section 2 for a breakdown of grouping if required. Grouped and the original un-grouped features can be cross-referenced across sections 1 and 2 using the 'Group ID'.

Features are displayed on the Past land use map on **page 12**

ID	Location	Land use	Dates present	Group ID
A	On site	Chalk Pit	1898	1886758



ID	Location	Land use	Dates present	Group ID
A	On site	Unspecified Ground Workings	1966	1948856
A	On site	Chalk Pit	1908 - 1931	1949593
A	On site	Unspecified Ground Workings	1938	1952985
A	On site	Chalk Pit	1895	1967947
C	51m E	Unspecified Pit	1957 - 1968	1946279
1	52m SW	Railway Sidings	1966	1883116
C	56m E	Old Chalk Pit	1895 - 1897	1895122
C	56m E	Unspecified Pits	1869	1862783
C	58m E	Old Chalk Pit	1910	1947331
C	61m E	Unspecified Pit	1987	1937554
2	76m W	Cuttings	1987	1881913
D	77m N	Chalk Pit	1938 - 1961	1900259
D	77m N	Chalk Pit	1895	1926336
D	78m N	Unspecified Pit	1869 - 1969	1912902
D	78m N	Unspecified Disused Pit	1975	1914335
D	78m N	Unspecified Disused Pit	1987	1950960
D	78m N	Chalk Pit	1908	1888388
D	79m N	Chalk Pit	1931	1942356
D	79m NW	Chalk Pit	1966	1910956
D	83m N	Chalk Pit	1898	1893976
3	149m W	Cuttings	1957 - 1981	1904350
F	167m N	Pumping Station	1987	1859475
G	188m W	Industrial Estate	1987	1866198
H	210m SE	Hospital	1908 - 1938	1892053
H	210m SE	Hospital	1895	1895327
I	222m W	Unspecified Depot	1969	1894410
J	223m SE	Unspecified Tank	1968 - 1987	1906331
L	231m NW	Unspecified Factory	1987	1859935



ID	Location	Land use	Dates present	Group ID
L	231m NW	Unspecified Works	1969 - 1975	1913081
N	233m W	Unspecified Depot	1975	1862043
L	234m NW	Unspecified Works	1961	1927048
O	239m E	Unspecified Pit	1938 - 1957	1905952
N	241m W	Unspecified Works	1975	1860373
N	241m W	Unspecified Commercial/Industrial	1987	1874653
O	244m E	Unspecified Pit	1931	1886449
P	251m SW	Unspecified Works	1966	1957908
P	252m SW	Unspecified Works	1961	1903589
H	274m SE	Site of Hospital	1957 - 1968	1966049
P	275m SW	Unspecified Commercial/Industrial	1931 - 1938	1929324
Q	278m W	Unspecified Depot	1969	1962363
P	291m W	Engineering Works	1969 - 1975	1887799
P	291m W	Unspecified Works	1987	1909851
L	294m NW	Unspecified Works	1966	1887373
L	296m NW	Iron Works	1910	1957705
8	302m NW	Fish Hatchery	1987	1884760
R	304m N	Sawmills	1910	1965600
S	306m W	Unspecified Works	1969	1860374
S	306m W	Unspecified Commercial/Industrial	1975	1874652
S	317m W	Burial Ground	1961	1874374
T	320m S	Isolation Hospital	1938	1901048
T	320m S	Isolation Hospital	1957	1954832
T	321m S	Infectious Hospital	1908	1875311
T	321m S	Isolation Hospital	1931	1911686
T	322m S	Isolation Hospital	1968	1897850
P	322m W	Unspecified Heap	1961 - 1966	1960130
P	333m W	Unspecified Tank	1966	1894772



ID	Location	Land use	Dates present	Group ID
P	333m W	Unspecified Tank	1931 - 1938	1964707
P	334m W	Unspecified Tank	1961	1935191
Q	334m W	Unspecified Depot	1987	1939062
Q	334m W	Unspecified Depot	1975	1967867
9	335m NW	Railway Station	1961	1875211
L	338m NW	Vulcan Iron Works	1897	1861627
L	340m NW	Iron Works	1895	1932524
P	341m SW	Gas Works	1908	1862688
P	342m W	Unspecified Ground Workings	1931 - 1938	1921065
P	346m W	Gas Holder Station	1969 - 1975	1927364
P	348m SW	Unspecified Tanks	1961	1870864
P	348m W	Refuse Heap	1961 - 1966	1910074
R	361m N	Sawmills	1869	1958351
P	362m W	Unspecified Tank	1931 - 1938	1901331
P	362m W	Unspecified Tank	1961 - 1966	1904305
P	364m W	Gasometer	1969 - 1975	1920526
T	373m S	Hospital	1895	1933832
T	375m S	Hospital	1898	1963933
V	376m W	Unspecified Warehouse	1975	1901944
V	376m W	Unspecified Warehouse	1987	1955148
W	379m W	Garage	1969	1885966
W	379m W	Garage	1975	1900881
12	379m N	Grave Yard	1869	1866023
W	380m W	Garage	1987	1906257
P	383m W	Unspecified Heap	1961	1919448
P	383m W	Unspecified Heap	1969	1934096
P	383m W	Unspecified Heap	1966	1961037
P	385m SW	Unspecified Tanks	1938	1931732



ID	Location	Land use	Dates present	Group ID
P	385m SW	Unspecified Tanks	1966	1897576
P	386m W	Unspecified Heap	1938	1959214
P	386m SW	Unspecified Tanks	1931	1929382
R	386m N	Sawmills	1895 - 1897	1895660
P	386m W	Railway Sidings	1961	1939189
P	388m W	Unspecified Heap	1931	1965049
P	392m SW	Unspecified Tank	1931 - 1938	1943913
P	393m SW	Gasometer	1908	1860980
14	402m W	Unspecified Works	1961 - 1966	1940606
P	402m W	Unspecified Tanks	1931 - 1938	1920729
P	402m W	Railway Sidings	1938	1896615
P	404m W	Railway Sidings	1908 - 1931	1926694
P	408m W	Railway Sidings	1966	1933513
15	421m SE	Unspecified Heap	1968	1869071
X	424m W	Cuttings	1931 - 1938	1906795
R	433m N	Smithy	1910 - 1961	1911456
R	433m N	Smithy	1895	1950714
Z	445m W	Sawmill	1969	1884825
Z	445m W	Unspecified Works	1987	1906210
Z	445m W	Unspecified Works	1975	1966568
R	447m N	Smithy	1966	1943605
17	451m NE	Gravel Yard	1869	1853488
G	457m W	Unspecified Warehouse	1969	1883734
18	458m S	Unspecified Pit	1869	1877113
AA	459m S	Cuttings	1957 - 1981	1897618
R	461m N	Smithy	1897	1875538
AA	462m S	Cuttings	1989	1955052
22	483m W	Abattoir	1969 - 1975	1909402



ID	Location	Land use	Dates present	Group ID
AD	490m NW	Smithy	1895 - 1897	1888698
AE	490m NW	Cuttings	1910	1897255
AE	493m NW	Cuttings	1897	1919331
AE	498m NW	Cuttings	1895	1942499
AD	500m NW	Smithy	1869	1904508

This data is sourced from Ordnance Survey / Groundsure.

1.2 Historical tanks

Records within 500m

78

Tank features digitised from historical Ordnance Survey mapping at high-detail 1:1,250 and 1:2,500 scale, intelligently grouped into contiguous features. To prevent misrepresentation of the size of historical features at any given time, features are only grouped if they have similar geometries within immediately preceding or succeeding map editions. See section 2 for a breakdown of grouping if required. Grouped and the original ungrouped features can be cross-referenced across sections 1 and 2 using the 'Group ID'.

Features are displayed on the Past land use map on **page 12**

ID	Location	Land use	Dates present	Group ID
B	22m NE	Unspecified Tank	1987 - 1993	325895
B	23m NE	Unspecified Tank	1973	314915
E	178m W	Unspecified Tank	1996	305446
5	182m N	Unspecified Tank	1993	317850
J	224m SE	Unspecified Tank	1962 - 1994	322524
M	232m S	Unspecified Tank	1992 - 1994	318792
P	248m W	Unspecified Tank	1966 - 1995	325865
P	249m W	Unspecified Tank	1966	319132
P	249m W	Unspecified Tank	1986	321216
P	250m SW	Gas Works	1952	314404
M	255m S	Unspecified Tank	1962	305445
P	269m SW	Unspecified Tank	1966	316735
P	274m SW	Gas Works	1952	325005



ID	Location	Land use	Dates present	Group ID
I	280m W	Unspecified Tank	1974	305435
7	285m N	Unspecified Tank	1986 - 1987	327482
I	290m W	Unspecified Tank	1974	305438
I	290m W	Unspecified Tank	1973	305437
P	291m SW	Unspecified Tank	1966	319374
P	292m SW	Unspecified Tank	1966 - 1973	314690
P	292m SW	Unspecified Tank	1986	321719
I	293m W	Unspecified Tank	1973	305436
I	294m NW	Unspecified Tank	1974 - 1996	315602
P	322m SW	Unspecified Tank	1966	316324
P	324m SW	Unspecified Tank	1973	312732
P	325m SW	Unspecified Tank	1986	312726
P	334m W	Gasometer	1952	321676
P	334m W	Unspecified Tank	1952	316483
P	344m SW	Gas Works	1909	313868
P	344m W	Gas Holder Station	1966	312425
P	344m W	Gasholder Station	1966 - 1973	312976
P	347m W	Unspecified Tank	1986 - 1993	326952
P	349m W	Unspecified Tank	1966 - 1993	314928
P	353m W	Tanks	1952	315267
P	354m W	Tanks	1986 - 1993	314482
P	363m W	Gas Holder	1966	311497
P	363m W	Gasometer	1952	326116
P	363m W	Gasometer	1952	316604
P	363m W	Gasholder	1966 - 1973	320895
P	383m SW	Tanks	1952	315094
T	385m S	Unspecified Tank	1992 - 1994	321021
P	395m SW	Gasometer	1909	309062



ID	Location	Land use	Dates present	Group ID
P	396m SW	Unspecified Tank	1952	323993
P	400m SW	Unspecified Tank	1952	326872
P	403m SW	Gasometer	1909	309064
P	407m SW	Tanks	1952	320774
P	407m W	Unspecified Tank	1966 - 1973	315064
P	411m SW	Tanks	1952	323970
P	411m SW	Tanks	1952	315656
P	411m SW	Tanks	1952	317634
T	412m S	Unspecified Tank	1992 - 1994	321996
P	413m SW	Gasometer	1909	309063
P	413m W	Unspecified Tank	1986 - 1993	313840
W	417m W	Unspecified Tank	1952 - 1957	324482
P	417m W	Gas Board Depot	1973	309275
Q	417m W	Unspecified Tank	1973	305434
W	418m W	Unspecified Tank	1952	318759
P	422m W	Unspecified Tank	1966	316465
P	422m W	Unspecified Tank	1966	321108
P	422m W	Tanks	1952 - 1966	325519
P	423m W	Tanks	1952 - 1966	314158
P	424m W	Unspecified Tank	1952	327784
T	425m S	Unspecified Tank	1992 - 1994	319058
X	430m W	Unspecified Tank	1965 - 1966	318402
S	432m W	Unspecified Tank	1973	305439
P	433m SW	Tanks	1952	323776
P	433m SW	Tanks	1952	324888
P	433m SW	Tanks	1952	317662
P	437m W	Unspecified Tank	1966 - 1973	323072
P	439m SW	Unspecified Tank	1952	322835



ID	Location	Land use	Dates present	Group ID
P	439m W	Tanks	1952	326909
P	446m W	Tanks	1986 - 1993	316839
19	468m N	Unspecified Tank	1986 - 1987	320598
Z	472m W	Unspecified Tank	1973 - 1993	313542
20	474m W	Unspecified Tank	1973 - 1998	317819
Z	476m W	Unspecified Tank	1986 - 1993	319881
21	481m N	Unspecified Tank	1896 - 1909	316683
Z	488m W	Unspecified Tank	1973 - 1986	321479
Z	489m W	Unspecified Tank	1993	317567

This data is sourced from Ordnance Survey / Groundsure.

1.3 Historical energy features

Records within 500m

38

Energy features digitised from historical Ordnance Survey mapping at high-detail 1:1,250 and 1:2,500 scale, intelligently grouped into contiguous features. To prevent misrepresentation of the size of historical features at any given time, features are only grouped if they have similar geometries within immediately preceding or succeeding map editions. See section 2 for a breakdown of grouping if required. Grouped and the original ungrouped features can be cross-referenced across sections 1 and 2 using the 'Group ID'.

Features are displayed on the Past land use map on **page 12**

ID	Location	Land use	Dates present	Group ID
E	157m W	Electricity Substation	1996	188347
F	178m N	Electricity Substation	1987	188354
F	186m N	Electricity Substation	1986 - 1987	199932
6	213m W	Electricity Substation	1989 - 1999	208364
P	250m SW	Gas Works	1952	200731
K	274m N	Electricity Substation	1971 - 1999	211015
N	274m W	Electricity Substation	1987 - 1993	201724
N	281m W	Electricity Substation	1987 - 1993	210204
N	281m W	Electricity Substation	1973	195002



ID	Location	Land use	Dates present	Group ID
P	317m SW	Electricity Substation	1973 - 1993	207845
P	318m SW	Electricity Substation	1986	205114
U	327m W	Electricity Substation	1973	199448
U	328m W	Electricity Substation	1986 - 1998	197045
P	334m W	Gasometer	1952	203619
P	344m SW	Gas Works	1909	211197
P	344m W	Gas Holder Station	1966	192058
P	344m W	Gasholder Station	1966 - 1973	206582
Q	346m W	Electricity Substation	1986 - 1998	197633
Q	346m W	Electricity Transformer	1952	199089
Q	346m W	Electricity Substation	1973	201258
10	361m W	Electricity Substation	1983 - 1993	202319
P	363m W	Gas Holder	1966	192016
P	363m W	Gasometer	1952	201832
P	363m W	Gasholder	1966 - 1973	196774
P	363m W	Gasometer	1952	202649
11	365m SW	Electricity Substation	1983 - 1993	204543
13	383m W	Electricity Substation	1986 - 1993	197721
P	395m SW	Gasometer	1909	191426
P	403m SW	Gasometer	1909	191428
P	413m SW	Gasometer	1909	191427
P	417m W	Gas Board Depot	1973	191561
16	429m SW	Electricity Substation	1993	188346
AB	461m W	Electricity Substation	1973	211515
AB	462m W	Electricity Substation	1986 - 1998	194976
AC	483m SW	Electricity Substation	1972	200477
AC	484m SW	Electricity Substation	1987 - 1993	200009
R	488m N	Electricity Substation	1989	188359



ID	Location	Land use	Dates present	Group ID
R	489m N	Electricity Substation	1978 - 1999	208643

This data is sourced from Ordnance Survey / Groundsure.

1.4 Historical petrol stations

Records within 500m

3

Petrol stations digitised from historical Ordnance Survey mapping at high-detail 1:1,250 and 1:2,500 scale, intelligently grouped into contiguous features. To prevent misrepresentation of the size of historical features at any given time, features are only grouped if they have similar geometries within immediately preceding or succeeding map editions. See section 2 for a breakdown of grouping if required. Grouped and the original ungrouped features can be cross-referenced across sections 1 and 2 using the 'Group ID'.

Features are displayed on the Past land use map on **page 12**

ID	Location	Land use	Dates present	Group ID
4	174m N	Filling Station	1971 - 1978	3553
K	229m N	Filling Station	1971	3393
K	265m N	Filling Station	1978	3421

This data is sourced from Ordnance Survey / Groundsure.

1.5 Historical garages

Records within 500m

11

Garages digitised from historical Ordnance Survey mapping at high-detail 1:1,250 and 1:2,500 scale, intelligently grouped into contiguous features. To prevent misrepresentation of the size of historical features at any given time, features are only grouped if they have similar geometries within immediately preceding or succeeding map editions. See section 2 for a breakdown of grouping if required. Grouped and the original ungrouped features can be cross-referenced across sections 1 and 2 using the 'Group ID'.

Features are displayed on the Past land use map on **page 12**

ID	Location	Land use	Dates present	Group ID
Q	325m W	Vehicle Repair Depot	1966	62129
Q	332m W	Vehicle Repair Depot	1973	61897
Q	342m W	Vehicle Repair Depot	1965	61409
W	377m W	Garage	1966	61856



ID	Location	Land use	Dates present	Group ID
W	377m W	Garage	1995 - 1998	63679
W	377m W	Garage	1973	61330
W	378m W	Garage	1986	62493
W	400m W	Garage	1965	62668
Y	430m NW	Garage	1989	61432
Y	432m NW	Garage	1999	62761
Y	435m NW	Garage	1971 - 1978	64999

This data is sourced from Ordnance Survey / Groundsure.

1.6 Historical military land

Records within 500m

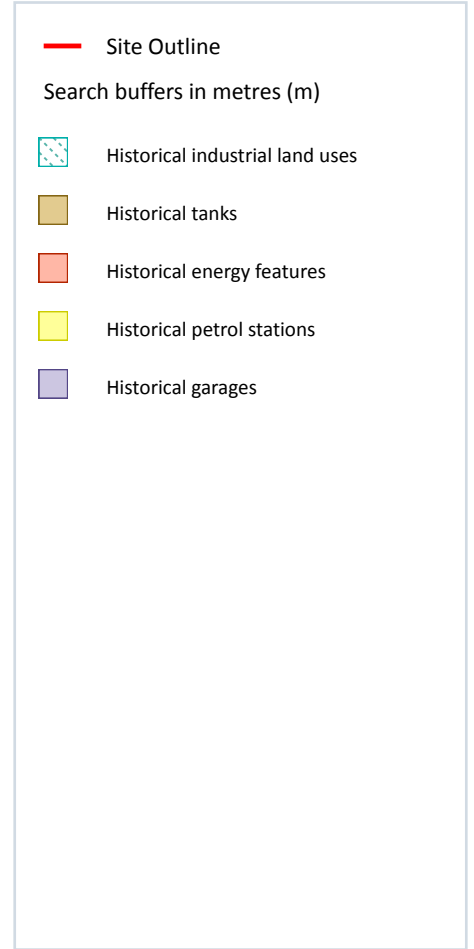
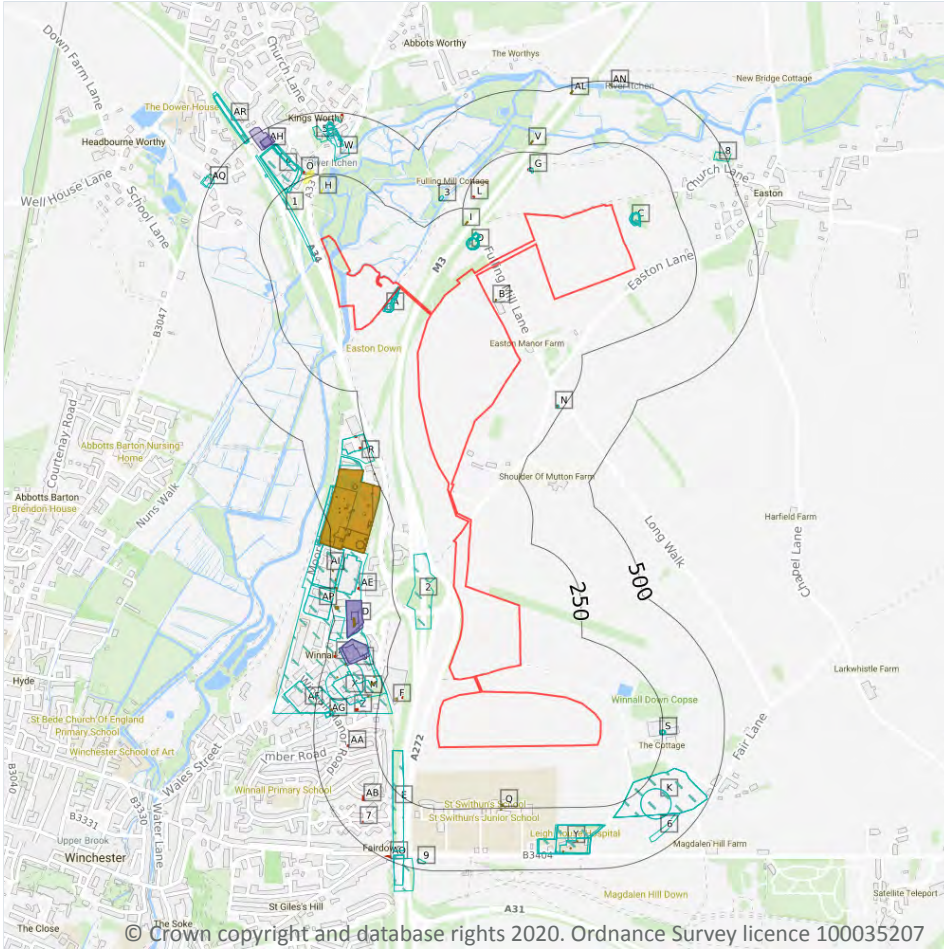
0

Areas of military land digitised from multiple sources including the National Archives, local records, MOD records and verified other sources, intelligently grouped into contiguous features.

This data is sourced from Ordnance Survey / Groundsure / other sources.



2 Past land use - un-grouped



2.1 Historical industrial land uses

Records within 500m

154

Potentially contaminative land use features digitised from historical Ordnance Survey mapping at 1:10,000 and 10,560 scale. Any records shown are available intelligently grouped in section 1. Grouped and the original ungrouped features can be cross-referenced across sections 1 and 2 using the 'Group ID'.

Features are displayed on the Past land use - un-grouped map on **page 24**

ID	Location	Land Use	Date	Group ID
A	On site	Unspecified Ground Workings	1938	1952985
A	On site	Chalk Pit	1898	1886758
A	On site	Chalk Pit	1898	1886758

ID	Location	Land Use	Date	Group ID
A	On site	Unspecified Ground Workings	1966	1948856
A	On site	Chalk Pit	1931	1949593
A	On site	Chalk Pit	1908	1949593
A	On site	Chalk Pit	1895	1967947
C	51m E	Unspecified Pit	1968	1946279
C	51m E	Unspecified Pit	1957	1946279
1	52m SW	Railway Sidings	1966	1883116
C	56m E	Old Chalk Pit	1897	1895122
C	56m E	Unspecified Pits	1869	1862783
C	58m E	Old Chalk Pit	1910	1947331
C	58m E	Old Chalk Pit	1895	1895122
C	61m E	Unspecified Pit	1987	1937554
2	76m W	Cuttings	1987	1881913
D	77m N	Chalk Pit	1938	1900259
D	77m N	Chalk Pit	1895	1926336
D	78m N	Unspecified Disused Pit	1987	1950960
D	78m N	Unspecified Pit	1969	1912902
D	78m N	Unspecified Disused Pit	1975	1914335
D	78m N	Chalk Pit	1908	1888388
D	79m N	Chalk Pit	1931	1942356
D	79m NW	Chalk Pit	1966	1910956
D	81m N	Unspecified Pit	1869	1912902
D	81m N	Chalk Pit	1961	1900259
D	83m N	Chalk Pit	1898	1893976
D	83m N	Chalk Pit	1898	1893976
E	149m W	Cuttings	1957	1904350
E	149m W	Cuttings	1981	1904350
E	149m W	Cuttings	1968	1904350



ID	Location	Land Use	Date	Group ID
G	167m N	Pumping Station	1987	1859475
J	188m W	Industrial Estate	1987	1866198
K	210m SE	Hospital	1938	1892053
K	210m SE	Hospital	1931	1892053
K	210m SE	Hospital	1908	1892053
K	210m SE	Hospital	1895	1895327
M	222m W	Unspecified Depot	1969	1894410
N	223m SE	Unspecified Tank	1968	1906331
N	223m SE	Unspecified Tank	1987	1906331
P	231m NW	Unspecified Factory	1987	1859935
P	231m NW	Unspecified Works	1975	1913081
R	233m W	Unspecified Depot	1975	1862043
P	234m NW	Unspecified Works	1961	1927048
P	234m NW	Unspecified Works	1969	1913081
S	239m E	Unspecified Pit	1957	1905952
R	241m W	Unspecified Commercial/Industrial	1987	1874653
R	241m W	Unspecified Works	1975	1860373
S	244m E	Unspecified Pit	1931	1886449
S	246m E	Unspecified Pit	1938	1905952
T	251m SW	Unspecified Works	1966	1957908
T	252m SW	Unspecified Works	1961	1903589
K	274m SE	Site of Hospital	1957	1966049
K	274m SE	Site of Hospital	1968	1966049
T	275m SW	Unspecified Commercial/Industrial	1938	1929324
T	275m SW	Unspecified Commercial/Industrial	1931	1929324
U	278m W	Unspecified Depot	1969	1962363
T	291m W	Unspecified Works	1987	1909851
T	291m W	Engineering Works	1969	1887799



ID	Location	Land Use	Date	Group ID
T	291m W	Engineering Works	1975	1887799
P	294m NW	Unspecified Works	1966	1887373
P	296m NW	Iron Works	1910	1957705
3	302m NW	Fish Hatchery	1987	1884760
W	304m N	Sawmills	1910	1965600
X	306m W	Unspecified Works	1969	1860374
X	306m W	Unspecified Commercial/Industrial	1975	1874652
X	317m W	Burial Ground	1961	1874374
Y	320m S	Isolation Hospital	1938	1901048
Y	320m S	Isolation Hospital	1957	1954832
Y	321m S	Isolation Hospital	1931	1911686
Y	321m S	Infectious Hospital	1908	1875311
Y	322m S	Isolation Hospital	1968	1897850
T	322m W	Unspecified Heap	1966	1960130
T	324m W	Unspecified Heap	1961	1960130
T	333m W	Unspecified Tank	1938	1964707
T	333m W	Unspecified Tank	1966	1894772
T	334m W	Unspecified Tank	1961	1935191
U	334m W	Unspecified Depot	1987	1939062
U	334m W	Unspecified Depot	1975	1967867
4	335m NW	Railway Station	1961	1875211
T	335m W	Unspecified Tank	1931	1964707
P	338m NW	Vulcan Iron Works	1897	1861627
P	340m NW	Iron Works	1895	1932524
T	341m SW	Gas Works	1908	1862688
T	342m W	Unspecified Ground Workings	1938	1921065
T	344m W	Unspecified Ground Workings	1931	1921065
T	346m W	Gas Holder Station	1969	1927364



ID	Location	Land Use	Date	Group ID
T	346m W	Gas Holder Station	1975	1927364
T	348m SW	Unspecified Tanks	1961	1870864
T	348m W	Refuse Heap	1966	1910074
T	350m W	Refuse Heap	1961	1910074
W	361m N	Sawmills	1869	1958351
T	362m W	Unspecified Tank	1938	1901331
T	362m W	Unspecified Tank	1966	1904305
T	364m W	Unspecified Tank	1961	1904305
T	364m W	Gasometer	1969	1920526
T	364m W	Gasometer	1975	1920526
T	365m W	Unspecified Tank	1931	1901331
Y	373m S	Hospital	1895	1933832
Y	375m S	Hospital	1898	1963933
Y	375m S	Hospital	1898	1963933
AC	376m W	Unspecified Warehouse	1987	1955148
AC	376m W	Unspecified Warehouse	1975	1901944
AD	379m W	Garage	1969	1885966
AD	379m W	Garage	1975	1900881
5	379m N	Grave Yard	1869	1866023
AD	380m W	Garage	1987	1906257
T	383m W	Unspecified Heap	1966	1961037
T	383m W	Unspecified Heap	1961	1919448
T	383m W	Unspecified Heap	1969	1934096
T	385m SW	Unspecified Tanks	1938	1931732
T	385m SW	Unspecified Tanks	1966	1897576
T	386m W	Unspecified Heap	1938	1959214
T	386m SW	Unspecified Tanks	1931	1929382
W	386m N	Sawmills	1895	1895660



ID	Location	Land Use	Date	Group ID
W	386m N	Sawmills	1897	1895660
T	386m W	Railway Sidings	1961	1939189
T	388m W	Unspecified Heap	1931	1965049
T	392m SW	Unspecified Tank	1938	1943913
T	393m SW	Gasometer	1908	1860980
T	393m SW	Unspecified Tank	1931	1943913
AF	402m W	Unspecified Works	1966	1940606
T	402m W	Unspecified Tanks	1938	1920729
T	402m W	Railway Sidings	1938	1896615
T	404m W	Railway Sidings	1931	1926694
T	404m W	Unspecified Tanks	1931	1920729
T	408m W	Railway Sidings	1966	1933513
T	415m W	Railway Sidings	1908	1926694
6	421m SE	Unspecified Heap	1968	1869071
AG	424m W	Cuttings	1938	1906795
AG	426m W	Cuttings	1931	1906795
W	433m N	Smithy	1910	1911456
W	433m N	Smithy	1895	1950714
W	435m N	Smithy	1961	1911456
AF	435m W	Unspecified Works	1961	1940606
AI	445m W	Unspecified Works	1987	1906210
AI	445m W	Sawmill	1969	1884825
AI	445m W	Unspecified Works	1975	1966568
W	447m N	Smithy	1966	1943605
8	451m NE	Gravel Yard	1869	1853488
J	457m W	Unspecified Warehouse	1969	1883734
9	458m S	Unspecified Pit	1869	1877113
AJ	459m S	Cuttings	1957	1897618



ID	Location	Land Use	Date	Group ID
AJ	459m S	Cuttings	1981	1897618
AJ	459m S	Cuttings	1968	1897618
W	461m N	Smithy	1897	1875538
AJ	462m S	Cuttings	1989	1955052
AP	483m W	Abattoir	1975	1909402
AQ	490m NW	Smithy	1895	1888698
AR	490m NW	Cuttings	1910	1897255
AR	493m NW	Cuttings	1897	1919331
AP	498m W	Abattoir	1969	1909402
AR	498m NW	Cuttings	1895	1942499
AQ	500m NW	Smithy	1869	1904508

This data is sourced from Ordnance Survey / Groundsure.

2.2 Historical tanks

Records within 500m

145

Tank features digitised from historical Ordnance Survey mapping at high-detail 1:1,250 and 1:2,500 scale. Any records shown are available intelligently grouped in section 1. Grouped and the original un-grouped features can be cross-referenced across sections 1 and 2 using the 'Group ID'.

Features are displayed on the Past land use - un-grouped map on **page 24**

ID	Location	Land Use	Date	Group ID
B	22m NE	Unspecified Tank	1987	325895
B	22m NE	Unspecified Tank	1993	325895
B	22m NE	Unspecified Tank	1993	325895
B	23m NE	Unspecified Tank	1973	314915
F	178m W	Unspecified Tank	1996	305446
I	182m N	Unspecified Tank	1993	317850
I	182m N	Unspecified Tank	1993	317850
N	224m SE	Unspecified Tank	1994	322524
N	225m SE	Unspecified Tank	1962	322524



ID	Location	Land Use	Date	Group ID
Q	232m S	Unspecified Tank	1992	318792
Q	233m S	Unspecified Tank	1994	318792
T	248m W	Unspecified Tank	1966	325865
T	248m W	Unspecified Tank	1995	325865
T	249m W	Unspecified Tank	1966	319132
T	249m W	Unspecified Tank	1986	321216
T	250m SW	Gas Works	1952	314404
T	250m SW	Gas Works	1952	314404
Q	255m S	Unspecified Tank	1962	305445
T	269m SW	Unspecified Tank	1966	316735
T	270m SW	Unspecified Tank	1966	316735
T	274m SW	Gas Works	1952	325005
M	280m W	Unspecified Tank	1974	305435
V	285m N	Unspecified Tank	1987	327482
V	285m N	Unspecified Tank	1986	327482
M	290m W	Unspecified Tank	1974	305438
M	290m W	Unspecified Tank	1973	305437
T	291m SW	Unspecified Tank	1966	319374
T	292m SW	Unspecified Tank	1966	314690
T	292m SW	Unspecified Tank	1973	314690
T	292m SW	Unspecified Tank	1986	321719
M	293m W	Unspecified Tank	1973	305436
M	294m NW	Unspecified Tank	1986	315602
M	294m NW	Unspecified Tank	1996	315602
M	294m NW	Unspecified Tank	1995	315602
M	294m NW	Unspecified Tank	1974	315602
T	322m SW	Unspecified Tank	1966	316324
T	322m SW	Unspecified Tank	1966	316324



ID	Location	Land Use	Date	Group ID
T	324m SW	Unspecified Tank	1973	312732
T	325m SW	Unspecified Tank	1986	312726
T	334m W	Gasometer	1952	321676
T	334m W	Gasometer	1952	321676
T	334m W	Gasometer	1952	321676
T	334m W	Unspecified Tank	1952	316483
T	334m W	Unspecified Tank	1952	316483
T	334m W	Unspecified Tank	1952	316483
T	344m SW	Gas Works	1909	313868
T	344m W	Gas Holder Station	1966	312425
T	344m W	Gasholder Station	1966	312976
T	345m W	Gasholder Station	1973	312976
T	347m W	Unspecified Tank	1993	326952
T	348m W	Unspecified Tank	1986	326952
T	349m W	Unspecified Tank	1993	314928
T	349m W	Unspecified Tank	1966	314928
T	349m W	Unspecified Tank	1973	314928
T	349m W	Unspecified Tank	1966	314928
T	349m W	Unspecified Tank	1986	314928
T	353m W	Tanks	1952	315267
T	353m W	Tanks	1952	315267
T	353m W	Tanks	1952	315267
T	354m W	Tanks	1993	314482
T	355m W	Tanks	1986	314482
T	363m W	Gas Holder	1966	311497
T	363m W	Gasometer	1952	326116
T	363m W	Gasometer	1952	326116
T	363m W	Gasholder	1973	320895



ID	Location	Land Use	Date	Group ID
T	363m W	Gasometer	1952	316604
T	363m W	Gasholder	1966	320895
T	383m SW	Tanks	1952	315094
T	383m SW	Tanks	1952	315094
T	384m SW	Tanks	1952	315094
Y	385m S	Unspecified Tank	1992	321021
Y	386m S	Unspecified Tank	1994	321021
T	395m SW	Gasometer	1909	309062
T	396m SW	Unspecified Tank	1952	323993
T	396m SW	Unspecified Tank	1952	323993
T	396m SW	Unspecified Tank	1952	323993
T	400m SW	Unspecified Tank	1952	326872
T	400m SW	Unspecified Tank	1952	326872
T	400m SW	Unspecified Tank	1952	326872
T	403m SW	Gasometer	1909	309064
T	407m SW	Tanks	1952	320774
T	407m SW	Tanks	1952	320774
T	407m SW	Tanks	1952	320774
T	407m W	Unspecified Tank	1966	315064
T	407m W	Unspecified Tank	1973	315064
T	407m W	Unspecified Tank	1966	315064
T	411m SW	Tanks	1952	323970
T	411m SW	Tanks	1952	317634
T	411m SW	Tanks	1952	315656
Y	412m S	Unspecified Tank	1992	321996
Y	413m S	Unspecified Tank	1994	321996
T	413m SW	Gasometer	1909	309063
T	413m W	Unspecified Tank	1986	313840



ID	Location	Land Use	Date	Group ID
T	413m W	Unspecified Tank	1993	313840
AD	417m W	Unspecified Tank	1957	324482
AD	417m W	Unspecified Tank	1952	324482
AD	417m W	Unspecified Tank	1952	324482
T	417m W	Gas Board Depot	1973	309275
U	417m W	Unspecified Tank	1973	305434
AD	418m W	Unspecified Tank	1952	318759
T	422m W	Unspecified Tank	1966	316465
T	422m W	Unspecified Tank	1966	321108
T	422m W	Tanks	1966	325519
T	422m W	Tanks	1952	325519
T	422m W	Tanks	1952	325519
T	423m W	Tanks	1952	314158
T	423m W	Tanks	1966	314158
T	424m W	Unspecified Tank	1952	327784
T	424m W	Unspecified Tank	1952	327784
T	425m W	Unspecified Tank	1952	327784
Y	425m S	Unspecified Tank	1992	319058
Y	426m S	Unspecified Tank	1994	319058
AG	430m W	Unspecified Tank	1965	318402
AG	430m W	Unspecified Tank	1966	318402
X	432m W	Unspecified Tank	1973	305439
T	433m SW	Tanks	1952	323776
T	433m SW	Tanks	1952	324888
T	433m SW	Tanks	1952	317662
T	437m W	Unspecified Tank	1966	323072
T	438m W	Unspecified Tank	1973	323072
T	438m W	Unspecified Tank	1966	323072



ID	Location	Land Use	Date	Group ID
T	439m SW	Unspecified Tank	1952	322835
T	439m W	Tanks	1952	326909
T	439m SW	Unspecified Tank	1952	322835
T	439m W	Tanks	1952	326909
T	439m SW	Unspecified Tank	1952	322835
T	439m W	Tanks	1952	326909
T	446m W	Tanks	1993	316839
T	447m W	Tanks	1986	316839
AL	468m N	Unspecified Tank	1987	320598
AL	468m N	Unspecified Tank	1986	320598
AI	472m W	Unspecified Tank	1993	313542
AI	472m W	Unspecified Tank	1973	313542
AI	473m W	Unspecified Tank	1986	313542
AM	474m W	Unspecified Tank	1995	317819
AM	474m W	Unspecified Tank	1998	317819
AM	474m W	Unspecified Tank	1973	317819
AM	475m W	Unspecified Tank	1986	317819
AI	476m W	Unspecified Tank	1993	319881
AI	477m W	Unspecified Tank	1986	319881
AN	481m N	Unspecified Tank	1909	316683
AN	484m N	Unspecified Tank	1896	316683
AI	488m W	Unspecified Tank	1973	321479
AI	489m W	Unspecified Tank	1993	317567
AI	490m W	Unspecified Tank	1986	321479

This data is sourced from Ordnance Survey / Groundsure.



2.3 Historical energy features

Records within 500m

69

Energy features digitised from historical Ordnance Survey mapping at high-detail 1:1,250 and 1:2,500 scale. Any records shown are available intelligently grouped in section 1. Grouped and the original un-grouped features can be cross-referenced across sections 1 and 2 using the 'Group ID'.

Features are displayed on the Past land use - un-grouped map on **page 24**

ID	Location	Land Use	Date	Group ID
F	157m W	Electricity Substation	1996	188347
G	178m N	Electricity Substation	1987	188354
G	186m N	Electricity Substation	1986	199932
G	186m N	Electricity Substation	1987	199932
L	213m W	Electricity Substation	1999	208364
L	214m W	Electricity Substation	1989	208364
T	250m SW	Gas Works	1952	200731
T	250m SW	Gas Works	1952	200731
O	274m N	Electricity Substation	1999	211015
R	274m W	Electricity Substation	1993	201724
R	274m W	Electricity Substation	1993	201724
T	274m SW	Gas Works	1952	200731
O	275m N	Electricity Substation	1978	211015
O	275m N	Electricity Substation	1989	211015
O	275m N	Electricity Substation	1971	211015
R	276m W	Electricity Substation	1987	201724
R	281m W	Electricity Substation	1993	210204
R	281m W	Electricity Substation	1993	210204
R	281m W	Electricity Substation	1973	195002
R	283m W	Electricity Substation	1987	210204
T	317m SW	Electricity Substation	1993	207845
T	318m SW	Electricity Substation	1986	205114
T	318m SW	Electricity Substation	1973	207845



ID	Location	Land Use	Date	Group ID
Z	327m W	Electricity Substation	1973	199448
Z	328m W	Electricity Substation	1995	197045
Z	328m W	Electricity Substation	1998	197045
Z	328m W	Electricity Substation	1986	197045
T	334m W	Gasometer	1952	203619
T	334m W	Gasometer	1952	203619
T	334m W	Gasometer	1952	203619
T	344m SW	Gas Works	1909	211197
T	344m W	Gas Holder Station	1966	192058
T	344m W	Gasholder Station	1966	206582
T	345m W	Gasholder Station	1973	206582
U	346m W	Electricity Substation	1986	197633
U	346m W	Electricity Substation	1995	197633
U	346m W	Electricity Substation	1998	197633
U	346m W	Electricity Transformer	1952	199089
U	346m W	Electricity Transformer	1952	199089
U	346m W	Electricity Transformer	1952	199089
U	346m W	Electricity Substation	1973	201258
AA	361m W	Electricity Substation	1993	202319
AA	362m W	Electricity Substation	1983	202319
T	363m W	Gas Holder	1966	192016
T	363m W	Gasometer	1952	201832
T	363m W	Gasometer	1952	201832
T	363m W	Gasholder	1973	196774
T	363m W	Gasometer	1952	202649
T	363m W	Gasholder	1966	196774
AB	365m SW	Electricity Substation	1983	204543
AB	369m SW	Electricity Substation	1993	204543



ID	Location	Land Use	Date	Group ID
AE	383m W	Electricity Substation	1993	197721
AE	384m W	Electricity Substation	1986	197721
T	395m SW	Gasometer	1909	191426
T	403m SW	Gasometer	1909	191428
T	413m SW	Gasometer	1909	191427
T	417m W	Gas Board Depot	1973	191561
7	429m SW	Electricity Substation	1993	188346
AK	461m W	Electricity Substation	1973	211515
AK	462m W	Electricity Substation	1995	194976
AK	462m W	Electricity Substation	1998	194976
AK	463m W	Electricity Substation	1986	194976
AO	483m SW	Electricity Substation	1972	200477
AO	484m SW	Electricity Substation	1988	200009
AO	484m SW	Electricity Substation	1987	200009
AO	485m SW	Electricity Substation	1993	200009
W	488m N	Electricity Substation	1989	188359
W	489m N	Electricity Substation	1978	208643
W	490m N	Electricity Substation	1999	208643

This data is sourced from Ordnance Survey / Groundsure.

2.4 Historical petrol stations

Records within 500m

4

Petrol stations digitised from historical Ordnance Survey mapping at high-detail 1:1,250 and 1:2,500 scale. Any records shown are available intelligently grouped in section 1. Grouped and the original un-grouped features can be cross-referenced across sections 1 and 2 using the 'Group ID'.

Features are displayed on the Past land use - un-grouped map on **page 24**

ID	Location	Land Use	Date	Group ID
H	174m N	Filling Station	1978	3553
H	178m N	Filling Station	1971	3553



ID	Location	Land Use	Date	Group ID
O	229m N	Filling Station	1971	3393
O	265m N	Filling Station	1978	3421

This data is sourced from Ordnance Survey / Groundsure.

2.5 Historical garages

Records within 500m

13

Garages digitised from historical Ordnance Survey mapping at high-detail 1:1,250 and 1:2,500 scale. Any records shown are available intelligently grouped in section 1. Grouped and the original un-grouped features can be cross-referenced across sections 1 and 2 using the 'Group ID'.

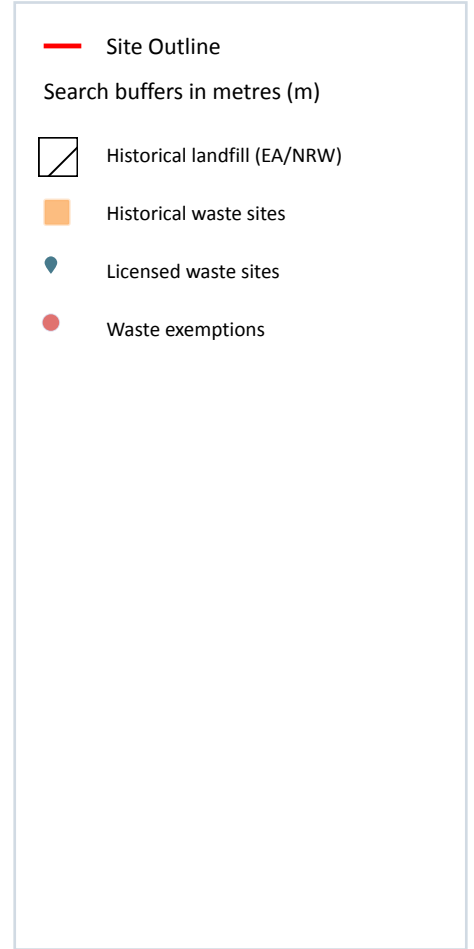
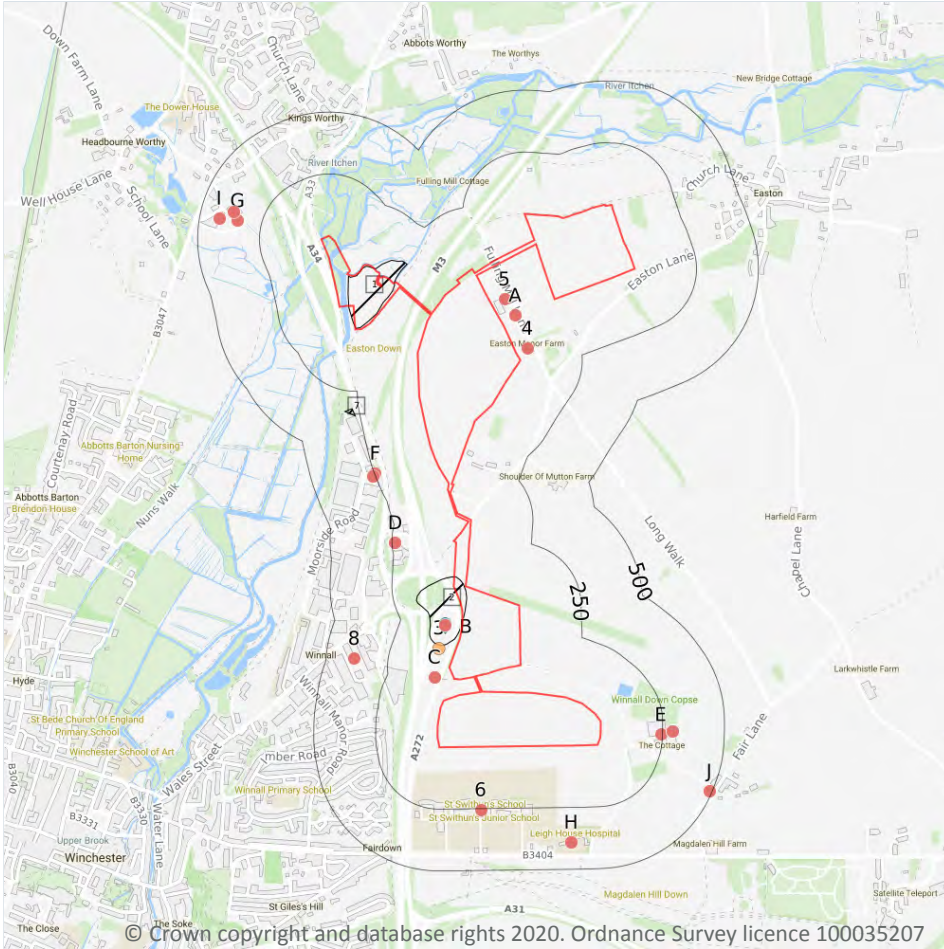
Features are displayed on the Past land use - un-grouped map on **page 24**

ID	Location	Land Use	Date	Group ID
U	325m W	Vehicle Repair Depot	1966	62129
U	332m W	Vehicle Repair Depot	1973	61897
U	342m W	Vehicle Repair Depot	1965	61409
AD	377m W	Garage	1966	61856
AD	377m W	Garage	1998	63679
AD	377m W	Garage	1995	63679
AD	377m W	Garage	1973	61330
AD	378m W	Garage	1986	62493
AD	400m W	Garage	1965	62668
AH	430m NW	Garage	1989	61432
AH	432m NW	Garage	1999	62761
AH	435m NW	Garage	1978	64999
AH	438m NW	Garage	1971	64999

This data is sourced from Ordnance Survey / Groundsure.



3 Waste and landfill



3.1 Active or recent landfill

Records within 500m **0**

Active or recently closed landfill sites under Environment Agency/Natural Resources Wales regulation.

This data is sourced from the Environment Agency and Natural Resources Wales.

3.2 Historical landfill (BGS records)

Records within 500m **0**

Landfill sites identified on a survey carried out on behalf of the DoE in 1973. These sites may have been closed or operational at this time.

This data is sourced from the British Geological Survey.

3.3 Historical landfill (LA/mapping records)

Records within 500m

0

Landfill sites identified from Local Authority records and high detail historical mapping.

This data is sourced from the Ordnance Survey/Groundsure and Local Authority records.

3.4 Historical landfill (EA/NRW records)

Records within 500m

3

Known historical (closed) landfill sites (e.g. sites where there is no PPC permit or waste management licence currently in force). This includes sites that existed before the waste licensing regime and sites that have been licensed in the past but where a licence has been revoked, ceased to exist or surrendered and a certificate of completion has been issued.

Features are displayed on the Waste and landfill map on **page 40**

ID	Location	Details		
1	On site	Site Address: Land Adjacent to Winchester Bypass, Abbots Worthy, Hampshire Licence Holder Address: Easton Manor Farm, Easton, Winchester	Waste Licence: - Site Reference: FW30, WIN 10 Waste Type: Inert Environmental Permitting Regulations (Waste) Reference: - Licence Issue: - Licence Surrender: -	Operator: - Licence Holder: D Hewetson-Brown First Recorded 21/07/1967 Last Recorded: 31/07/1968
2	On site	Site Address: Spitfire Link, Easton Lane, Winchester Licence Holder Address: -	Waste Licence: - Site Reference: - Waste Type: - Environmental Permitting Regulations (Waste) Reference: - Licence Issue: - Licence Surrender: -	Operator: - Licence Holder: - First Recorded - Last Recorded: -
7	269m W	Site Address: Land Between Old Newbury Railway and A33, Land Between Old Newbury Railway and A33 at Winnall Licence Holder Address: -	Waste Licence: - Site Reference: FW53 Waste Type: - Environmental Permitting Regulations (Waste) Reference: - Licence Issue: - Licence Surrender: -	Operator: - Licence Holder: - First Recorded - Last Recorded: -

This data is sourced from the Environment Agency and Natural Resources Wales.



3.5 Historical waste sites

Records within 500m

1

Waste site records derived from Local Authority planning records and high detail historical mapping. Features are displayed on the Waste and landfill map on **page 40**

ID	Location	Address	Further Details	Date
3	40m W	Site Address: Land Adjacent To M3 And A33, Spitfire Link, Winchester, Hampshire, SO23	Type of Site: Waste Management Facility Planning application reference: 17/01714/HCS Description: Scheme comprises development of highways waste management facility. The associated works include sewer systems, landscaping, cable laying, infrastructure, enabling works and access roads. Data source: Historic Planning Application Data Type: Point	11/08/2017

This data is sourced from Ordnance Survey/Groundsure and Local Authority records.

3.6 Licensed waste sites

Records within 500m

1

Active or recently closed waste sites under Environment Agency/Natural Resources Wales regulation. Features are displayed on the Waste and landfill map on **page 40**

ID	Location	Details		
B	68m W	Site Name: M3 - J9 Recycling Facility Site Address: Land At Spitfire Link, M3 Junction, Winchester, Hampshire, SO21 1RD Correspondence Address: -	Type of Site: Physical Treatment Facility Size: >= 75000 tonnes Environmental Permitting Regulations (Waste) Licence Number: RWE001 EPR reference: EA/EPR/EB3500LS/A001 Operator: R & W Environmental Ltd Waste Management licence No: 403523 Annual Tonnage: 249999	Issue Date: 18/05/2017 Effective Date: - Modified:: - Surrendered Date: - Expiry Date: - Cancelled Date: - Status: Issued

This data is sourced from the Environment Agency and Natural Resources Wales.



3.7 Waste exemptions

Records within 500m

42

Activities involving the storage, treatment, use or disposal of waste that are exempt from needing a permit. Exemptions have specific limits and conditions that must be adhered to.

Features are displayed on the Waste and landfill map on **page 40**

ID	Location	Site	Reference	Category	Sub-Category	Description
4	47m NE	EASTON MANOR FARM, EASTON LANE, EASTON, WINCHESTER, SO21 1DG	WEX121061	Using waste exemption	On a farm	Use of waste in construction
5	54m NE	Lone Barn, Easton Lane, Easton, Winchester, SO211DG	WEX127393	Disposing of waste exemption	Not on a farm	Burning waste in the open
A	60m NE	1 DAIRY COTTAGE, EASTON LANE, EASTON, WINCHESTER, SO21 1DG	WEX230435	Using waste exemption	On a farm	Use of waste in construction
A	60m NE	LONE BARN, EASTON LANE, WINCHESTER, SO21 1DG	WEX218089	Using waste exemption	Not on a farm	Use of waste in construction
B	69m W	Land at SU49793 30351	EPR/HE5780SK /A001	Storing waste exemption	Non-Agricultural Waste Only	Storage of waste in a secure place
B	69m W	Land at SU49793 30351	EPR/HE5780SK /A001	Treating waste exemption	Non-Agricultural Waste Only	Screening and blending of waste
B	69m W	Land at SU49793 30351	EPR/HE5780SK /A001	Using waste exemption	Non-Agricultural Waste Only	Use of waste in construction
C	73m SW	npa Junction 9 Compound Winchester Hampshire SO211HA	EPR/ZF0000XX /A001	Treating waste exemption	Non-Agricultural Waste Only	Screening and blending of waste
C	73m SW	npa Junction 9 Compound Winchester Hampshire SO211HA	EPR/ZF0000XX /A001	Using waste exemption	Non-Agricultural Waste Only	Use of waste in construction



ID	Location	Site	Reference	Category	Sub-Category	Description
D	238m W	Motorway Maintenance Compound Easton Lane Winchester Hampshire SO23 7TY	EPR/ME5948E E/A001	Storing waste exemption	Non-Agricultural Waste Only	Storage of waste in secure containers
D	238m W	Motorway Maintenance Compound Easton Lane Winchester Hampshire SO23 7TY	EPR/ME5948E E/A001	Storing waste exemption	Non-Agricultural Waste Only	Storage of waste in a secure place
D	238m W	Motorway Maintenance Compound Easton Lane Winchester Hampshire SO23 7TY	EPR/ME5948E E/A001	Treating waste exemption	Non-Agricultural Waste Only	Cleaning, washing, spraying or coating relevant waste
D	238m W	Motorway Maintenance Compound Easton Lane Winchester Hampshire SO23 7TY	EPR/ME5948E E/A001	Treating waste exemption	Non-Agricultural Waste Only	Sorting mixed waste
D	238m W	Motorway Maintenance Compound Easton Lane Winchester Hampshire SO23 7TY	EPR/ME5948E E/A001	Treating waste exemption	Non-Agricultural Waste Only	Manual treatment of waste
D	238m W	Motorway Maintenance Compound Easton Lane Winchester Hampshire SO23 7TY	EPR/ME5948E E/A001	Treating waste exemption	Non-Agricultural Waste Only	Treatment of waste aerosol cans
D	238m W	Motorway Maintenance Compound Easton Lane Winchester Hampshire SO23 7TY	EPR/ME5948E E/A001	Treating waste exemption	Non-Agricultural Waste Only	Treatment of waste toner cartridges by sorting, dismantling, cleaning or refilling
D	238m W	Motorway Maintenance Compound Easton Lane Winchester Hampshire SO23 7TY	EPR/ME5948E E/A001	Treating waste exemption	Non-Agricultural Waste Only	Aerobic composting and associated prior treatment
D	238m W	Motorway Maintenance Compound Easton Lane Winchester Hampshire SO23 7TY	EPR/ME5948E E/A001	Treating waste exemption	Non-Agricultural Waste Only	Preparatory treatments (baling, sorting, shredding etc)
D	238m W	Motorway Maintenance Compound Easton Lane Winchester Hampshire SO23 7TY	EPR/ME5948E E/A001	Treating waste exemption	Non-Agricultural Waste Only	Screening and blending of waste



ID	Location	Site	Reference	Category	Sub-Category	Description
D	238m W	Motorway Maintenance Compound Easton Lane Winchester Hampshire SO23 7TY	EPR/ME5948E E/A001	Treating waste exemption	Non-Agricultural Waste Only	Treatment of waste wood and waste plant matter by chipping, shredding, cutting or pulverising
D	238m W	Motorway Maintenance Compound Easton Lane Winchester Hampshire SO23 7TY	EPR/ME5948E E/A001	Treating waste exemption	Non-Agricultural Waste Only	Recovery of scrap metal
E	243m E	WINNALL DOWN FARM ALRESFORD ROAD WINCHESTER HAMPSHIRE SO21 1FP	EPR/UF0039N C/A001	Treating waste exemption	Non-Agricultural Waste Only	Preparatory treatments (baling, sorting, shredding etc)
F	249m W	Unit 1 Moorside Point Moorside Road WINCHESTER Hampshire SO23 7RX	EPR/GF0539N K/A001	Storing waste exemption	Non-Agricultural Waste Only	Storage of waste in a secure place
6	257m S	WINNALL DOWN FARM, OFF THE A272 , WINCHESTER, SO21 1HA	WEX083762	Using waste exemption	On a farm	Use of waste in construction
F	262m W	MOORSIDE POINT, UNIT 1, MOORSIDE ROAD, WINCHESTER, SO23 7RX	WEX219881	Storing waste exemption	Not on a farm	Storage of waste in secure containers
F	262m W	MOORSIDE POINT, UNIT 1, MOORSIDE ROAD, WINCHESTER, SO23 7RX	WEX219881	Storing waste exemption	Not on a farm	Storage of waste in a secure place
E	289m E	WINNALL DOWN FARM, ALRESFORD ROAD, WINCHESTER, SO21 1FP	WEX178840	Storing waste exemption	On a farm	Storage of waste in a secure place
E	289m E	WINNALL DOWN FARM, ALRESFORD ROAD, WINCHESTER, SO21 1FP	WEX178840	Storing waste exemption	On a farm	Storage of waste in secure containers
E	289m E	WINNALL DOWN FARM, ALRESFORD ROAD, WINCHESTER, SO21 1FP	WEX178840	Treating waste exemption	On a farm	Preparatory treatments (baling, sorting, shredding etc)
E	289m E	WINNALL DOWN FARM, ALRESFORD ROAD, WINCHESTER, SO21 1FP	WEX224007	Storing waste exemption	Not on a farm	Storage of waste in a secure place
E	289m E	WINNALL DOWN FARM, ALRESFORD ROAD, WINCHESTER, SO21 1FP	WEX078388	Storing waste exemption	Not on a farm	Storage of waste in a secure place

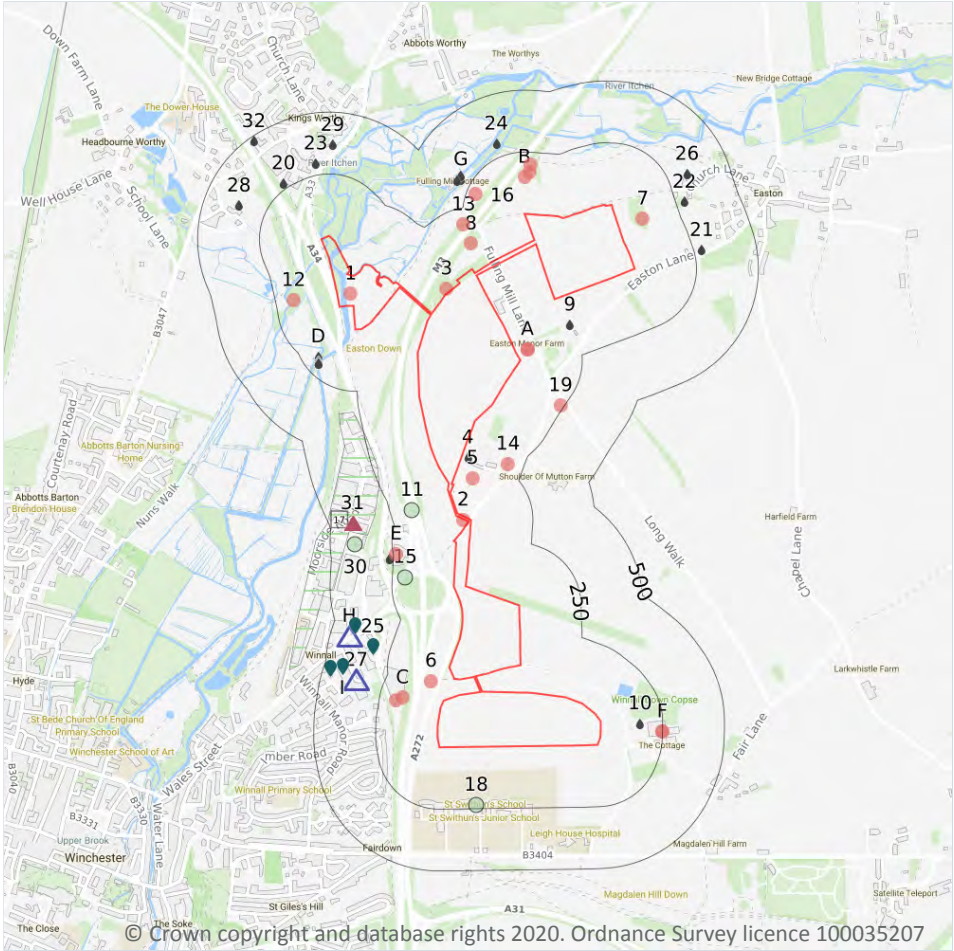


ID	Location	Site	Reference	Category	Sub-Category	Description
G	347m W	PUDDING HOUSE FARM, PUDDING LANE, HEADBOURNE WORTHY, WINCHESTER, SO23 7JL	WEX194922	Disposing of waste exemption	On a Farm	Deposit of waste from dredging of inland waters
G	347m W	PUDDING HOUSE FARM, PUDDING LANE, HEADBOURNE WORTHY, WINCHESTER, SO23 7JL	WEX194922	Disposing of waste exemption	On a Farm	Burning waste in the open
G	373m W	Pudding Farm Headbourne Worthy SO23 7JL	EPR/RE5856QL /A001	Disposing of waste exemption	Agricultura l Waste Only	Deposit of waste from dredging of inland waters
G	373m W	Pudding Farm Headbourne Worthy SO23 7JL	EPR/RE5856QL /A001	Disposing of waste exemption	Agricultura l Waste Only	Burning waste in the open
8	387m W	Medlock Electrical Unit 3 Winchester Trading Park Winchester Hampshire SO23 7FA	EPR/RF0835EK /A001	Treating waste exemption	Non- Agricultura l Waste Only	Crushing waste fluorescent tubes
H	393m S	Leigh House Hospital Alresford Road WINCHESTER Hampshire SO21 1HD	EPR/HF0105U Y/A001	Treating waste exemption	Non- Agricultura l Waste Only	Sorting and de-naturing of controlled drugs for disposal
H	395m S	Leigh House Hospital, ALRESFORD ROAD, WINCHESTER, SO21 1HD	WEX120846	Treating waste exemption	Not on a farm	Sorting and de-naturing of controlled drugs for disposal
I	422m W	Pudding farm, Headbourne Worthy, Winchester, SO23 7JL	WEX040309	Disposing of waste exemption	On a farm	Deposit of waste from dredging of inland waters
I	422m W	Pudding farm, Headbourne Worthy, Winchester, SO23 7JL	WEX040309	Disposing of waste exemption	On a farm	Burning waste in the open
J	489m SE	The Old Yard, Fair Lane, Eastern Winchester, Winchester, SO21 1HF	WEX165501	Using waste exemption	On a Farm	Use of waste in construction
J	489m SE	The Old Yard, Fair Lane, Southampton, SO21 1HF	WEX169294	Using waste exemption	On a farm	Use of waste in construction

This data is sourced from the Environment Agency and Natural Resources Wales.



4 Current industrial land use



- Site Outline
- Search buffers in metres (m)
- Recent industrial land uses
- ▲ Current or recent petrol stations
- Control of Major Accident Hazards
- ▲ Hazardous substance storage/usage
- ◆ Licensed pollutant release (Part A(2)/B)
- ◆ Licensed Discharges to controlled waters
- Pollution Incidents (EA/NRW)

4.1 Recent industrial land uses

Records within 250m **22**

Current potentially contaminative industrial sites.

Features are displayed on the Current industrial land use map on **page 47**

ID	Location	Company	Address	Activity	Category
1	On site	Gantry	Hampshire, SO21	Travelling Cranes and Gantries	Industrial Features
2	3m SW	Pump	Hampshire, SO21	Water Pumping Stations	Industrial Features
3	17m NW	Mast	Hampshire, SO21	Telecommunications Features	Infrastructure and Facilities

ID	Location	Company	Address	Activity	Category
A	47m NE	A D Spencer & Son Ltd	Easton Manor Farm, Easton Lane, Easton, Winchester, Hampshire, SO21 1DG	New Vehicles	Motoring
A	47m NE	Itchen Valley Products	Easton Manor Dairy Farm, Easton Lane, Easton, Winchester, Hampshire, SO21 1DG	Distribution and Haulage	Transport, Storage and Delivery
5	71m E	Pump	Hampshire, SO21	Water Pumping Stations	Industrial Features
6	90m SW	Recycling Business	Hampshire, SO21	Recycling Centres	Infrastructure and Facilities
7	102m E	Sheep Dip (Disused)	Hampshire, SO21	Sheep Dips and Washes	Farming
8	103m N	Workings (Dis)	Hampshire, SO21	Unspecified Quarries Or Mines	Extractive Industries
B	150m N	Pumping Station	Hampshire, SO21	Water Pumping Stations	Industrial Features
C	159m W	Electricity Sub Station	Hampshire, SO23	Electrical Features	Infrastructure and Facilities
B	171m N	Electricity Sub Station	Hampshire, SO21	Electrical Features	Infrastructure and Facilities
12	178m W	Pipeline	Hampshire, SO23	Pipelines	Industrial Features
C	181m W	Tank	Hampshire, SO23	Tanks (Generic)	Industrial Features
13	183m N	Tank	Hampshire, SO21	Tanks (Generic)	Industrial Features
14	186m E	F C Burcham	Mansard House, Easton Lane, Winchester, Hampshire, SO21 1DQ	Cutting, Drilling and Welding Services	Construction Services
B	199m N	Electricity Sub Station	Hampshire, SO21	Electrical Features	Infrastructure and Facilities
16	212m W	Electricity Sub Station	Hampshire, SO21	Electrical Features	Infrastructure and Facilities
19	236m SE	Tank	Hampshire, SO21	Tanks (Generic)	Industrial Features
E	239m W	Council Depot	Hampshire, SO21	Container and Storage	Transport, Storage and Delivery
F	249m E	The Oasis Group	Winnall Down Farm, Alresford Road, Winchester, Hampshire, SO21 1FP	Printing Related Machinery	Industrial Products
F	249m E	Box-it	Winnall Down, Fair Lane, Winchester, Hampshire, SO21 1HF	Container and Storage	Transport, Storage and Delivery

This data is sourced from Ordnance Survey.



4.2 Current or recent petrol stations

Records within 500m

2

Open, closed, under development and obsolete petrol stations.

Features are displayed on the Current industrial land use map on **page 47**

ID	Location	Company	Address	LPG	Status
27	359m W	TESCO	Easton Lane, Winnall, Winchester, Hampshire, SO23 7RS	No	Open
H	424m W	SHELL	Easton Lane, Winnall, Winchester, Hampshire, SO23 7SL	Yes	Open

This data is sourced from Experian.

4.3 Electricity cables

Records within 500m

0

High voltage underground electricity transmission cables.

This data is sourced from National Grid.

4.4 Gas pipelines

Records within 500m

0

High pressure underground gas transmission pipelines.

This data is sourced from National Grid.

4.5 Sites determined as Contaminated Land

Records within 500m

0

Contaminated Land Register of sites designated under Part 2a of the Environmental Protection Act 1990.

This data is sourced from Local Authority records.

4.6 Control of Major Accident Hazards (COMAH)

Records within 500m

1

Control of Major Accident Hazards (COMAH) sites. This data includes upper and lower tier sites, and includes a historical archive of COMAH sites and Notification of Installations Handling Hazardous Substances (NIHHS) records.



Features are displayed on the Current industrial land use map on **page 47**

ID	Location	Company	Address	Operational status	Tier
17	229m W	Rh Stubbings&c o Ltd	Rh Stubbings&co Ltd, Moorside Road, Winnal Trading Estate, Winchester	Historical NIHHS Site	-

This data is sourced from the Health and Safety Executive.

4.7 Regulated explosive sites

Records within 500m **0**

Sites registered and licensed by the Health and Safety Executive under the Manufacture and Storage of Explosives Regulations 2005 (MSER). The last update to this data was in April 2011.

This data is sourced from the Health and Safety Executive.

4.8 Hazardous substance storage/usage

Records within 500m **1**

Consents granted for a site to hold certain quantities of hazardous substances at or above defined limits in accordance with the Planning (Hazardous Substances) Regulations 2015.

Features are displayed on the Current industrial land use map on **page 47**

ID	Location	Details	
31	408m W	Application reference number: No Details Application status: Approved Application date: No Details Address: UK Petroleum Products Ltd, Winnall Trading Estate, Old gas depot, Moorside Road, Winnall, Winchester, England, SO23 7LW	Details: No Details Enforcement: No Enforcement Notified Date of enforcement: No Enforcement Notified Comment: No Enforcement Notified

This data is sourced from Local Authority records.

4.9 Historical licensed industrial activities (IPC)

Records within 500m **0**

Integrated Pollution Control (IPC) records of substance releases to air, land and water. This data represents a historical archive as the IPC regime has been superseded.

This data is sourced from the Environment Agency and Natural Resources Wales.

4.10 Licensed industrial activities (Part A(1))

Records within 500m

0

Records of Part A(1) installations regulated under the Environmental Permitting (England and Wales) Regulations 2016 for the release of substances to the environment.

This data is sourced from the Environment Agency and Natural Resources Wales.

4.11 Licensed pollutant release (Part A(2)/B)

Records within 500m

4

Records of Part A(2) and Part B installations regulated under the Environmental Permitting (England and Wales) Regulations 2016 for the release of substances to the environment.

Features are displayed on the Current industrial land use map on **page 47**

ID	Location	Address	Details	
25	320m W	Tesco Stores Ltd, Easton Lane, Winchester, Hampshire, SO23 7RS	Process: Unloading of Petrol into Storage at Service Stations Status: Current Permit Permit Type: Part B	Enforcement: No Enforcements Notified Date of enforcement: No Enforcements Notified Comment: No enforcements Notified
H	415m W	Shell UK Ltd, Winchester, Easton Lane, Winchester, Hampshire, SO23 7SL	Process: Unloading of Petrol into Storage at Service Stations Status: Current Permit Permit Type: Part B	Enforcement: No Enforcements Notified Date of enforcement: No Enforcements Notified Comment: No enforcements Notified
I	431m NW	Wiggins Of Winchester, Easton Lane, Hampshire, SO23 7FA	Process: Respraying of Road Vehicles Status: Historical Permit Permit Type: Part B	Enforcement: No Enforcements Notified Date of enforcement: No Enforcements Notified Comment: No enforcements Notified
I	471m W	Cemex (UK) Materials Ltd, Easton Lane, Winnall, Winchester, Hampshire, SO23 7RU	Process: Use of Bulk Cement Status: Current Permit Permit Type: Part B	Enforcement: No Enforcements Notified Date of enforcement: No Enforcements Notified Comment: No enforcements Notified

This data is sourced from Local Authority records.

4.12 Radioactive Substance Authorisations

Records within 500m

0

Records of the storage, use, accumulation and disposal of radioactive substances regulated under the Radioactive Substances Act 1993.

This data is sourced from the Environment Agency and Natural Resources Wales.

4.13 Licensed Discharges to controlled waters

Records within 500m

43

Discharges of treated or untreated effluent to controlled waters under the Water Resources Act 1991.

Features are displayed on the Current industrial land use map on **page 47**

ID	Location	Address	Details	
4	24m E	RED BARN (CONVERSION) ADJ TO, MANSARD HOUSE, EASTON LANE, EASTON, WINCHESTER, SO21 1DQ	Effluent Type: SEWAGE DISCHARGES - FINAL/TREATED EFFLUENT - NOT WATER COMPANY Permit Number: G00239 Permit Version: 1 Receiving Water: UNDERGROUND STRATA	Status: NEW CONSENT (WRA 91, S88 & SCHED 10 AS AMENDED BY ENV ACT 1995) Issue date: 18/05/2004 Effective Date: 01/07/2004 Revocation Date: -
9	117m S	LONE BARN, EASTON LANE, WINCHESTER	Effluent Type: SEWAGE DISCHARGES - FINAL/TREATED EFFLUENT - NOT WATER COMPANY Permit Number: EPRKB3692VT Permit Version: 1 Receiving Water: GROUNDWATER	Status: NEW ISSUED UNDER EPR 2010 Issue date: 06/04/2020 Effective Date: 06/04/2020 Revocation Date: -
10	158m E	WINNALL DOWN FARM, ALRESFORD ROAD, WINCHESTER, HAMPSHIRE, SO21 1FP	Effluent Type: SEWAGE DISCHARGES - FINAL/TREATED EFFLUENT - NOT WATER COMPANY Permit Number: EPRDB3199RS Permit Version: 1 Receiving Water: GROUNDWATER VIA SOAKAWAY	Status: NEW ISSUED UNDER EPR 2010 Issue date: 23/10/2015 Effective Date: 23/10/2015 Revocation Date: -
D	186m SW	HARESTOCK FARM ESTATE AND, R.N. W/T STATION, FLOWERDOWN, HAMPSHIRE	Effluent Type: SEWAGE DISCHARGES - FINAL/TREATED EFFLUENT - NOT WATER COMPANY Permit Number: H01039 Permit Version: 1 Receiving Water: FRESHWATER RIVER	Status: PRE NRA LEGISLATION WHERE ISSUE DATE 01-SEP-89 (HISTORIC ONLY) Issue date: 20/10/1961 Effective Date: 20/10/1961 Revocation Date: 01/07/1991



ID	Location	Address	Details	
D	198m SW	HARESTOCK WASTEWATER TREATMENT WORK, ANDOVER ROAD, HARESTOCK, HAMPSHIRE, SO22 6NR	Effluent Type: SEWAGE DISCHARGES - FINAL/TREATED EFFLUENT - WATER COMPANY Permit Number: W00235 Permit Version: 9 Receiving Water: RIVER ITCHEN	Status: VARIED UNDER EPR 2010 Issue date: 06/12/2013 Effective Date: 06/12/2013 Revocation Date: 05/01/2017
D	198m SW	HARESTOCK WASTEWATER TREATMENT WORK, ANDOVER ROAD, HARESTOCK, HAMPSHIRE, SO22 6NR	Effluent Type: SEWAGE DISCHARGES - STW STORM OVERFLOW/STORM TANK - WATER COMPANY Permit Number: W00235 Permit Version: 9 Receiving Water: RIVER ITCHEN	Status: VARIED UNDER EPR 2010 Issue date: 06/12/2013 Effective Date: 06/12/2013 Revocation Date: 05/01/2017
D	198m SW	HARESTOCK WASTEWATER TREATMENT WORK, ANDOVER ROAD, HARESTOCK, HAMPSHIRE, SO22 6NR	Effluent Type: SEWAGE DISCHARGES - FINAL/TREATED EFFLUENT - WATER COMPANY Permit Number: W00235 Permit Version: 10 Receiving Water: THE RIVER ITCHEN	Status: VARIED UNDER EPR 2010 Issue date: 06/01/2017 Effective Date: 06/01/2017 Revocation Date: 11/04/2019
D	198m SW	HARESTOCK WASTEWATER TREATMENT WORK, ANDOVER ROAD, HARESTOCK, HAMPSHIRE, SO22 6NR	Effluent Type: SEWAGE DISCHARGES - STW STORM OVERFLOW/STORM TANK - WATER COMPANY Permit Number: W00235 Permit Version: 10 Receiving Water: THE RIVER ITCHEN	Status: VARIED UNDER EPR 2010 Issue date: 06/01/2017 Effective Date: 06/01/2017 Revocation Date: 11/04/2019
D	198m SW	HARESTOCK WASTEWATER TREATMENT WORK, ANDOVER ROAD, HARESTOCK, HAMPSHIRE, SO22 6NR	Effluent Type: SEWAGE DISCHARGES - FINAL/TREATED EFFLUENT - WATER COMPANY Permit Number: W00235 Permit Version: 11 Receiving Water: THE RIVER ITCHEN	Status: VARIED UNDER EPR 2010 Issue date: 12/04/2019 Effective Date: 12/04/2019 Revocation Date: -
D	198m SW	HARESTOCK WASTEWATER TREATMENT WORK, ANDOVER ROAD, HARESTOCK, HAMPSHIRE, SO22 6NR	Effluent Type: SEWAGE DISCHARGES - STW STORM OVERFLOW/STORM TANK - WATER COMPANY Permit Number: W00235 Permit Version: 11 Receiving Water: THE RIVER ITCHEN	Status: VARIED UNDER EPR 2010 Issue date: 12/04/2019 Effective Date: 12/04/2019 Revocation Date: -



ID	Location	Address	Details	
D	198m SW	HARESTOCK WASTEWATER TREATMENT WORK, ANDOVER ROAD, HARESTOCK, HAMPSHIRE, SO22 6NR	Effluent Type: SEWAGE DISCHARGES - FINAL/TREATED EFFLUENT - WATER COMPANY Permit Number: W00235 Permit Version: 1 Receiving Water: FRESHWATER STREAM OR RIVER	Status: PRE NRA LEGISLATION WHERE ISSUE DATE 01-SEP-89 (HISTORIC ONLY) Issue date: 30/07/1979 Effective Date: 30/07/1979 Revocation Date: 25/09/1984
D	198m SW	HARESTOCK WASTEWATER TREATMENT WORK, ANDOVER ROAD, HARESTOCK, HAMPSHIRE, SO22 6NR	Effluent Type: SEWAGE DISCHARGES - STW STORM OVERFLOW/STORM TANK - WATER COMPANY Permit Number: W00235 Permit Version: 1 Receiving Water: FRESHWATER STREAM OR RIVER	Status: PRE NRA LEGISLATION WHERE ISSUE DATE 01-SEP-89 (HISTORIC ONLY) Issue date: 30/07/1979 Effective Date: 30/07/1979 Revocation Date: 25/09/1984
D	198m SW	HARESTOCK WASTEWATER TREATMENT WORK, ANDOVER ROAD, HARESTOCK, HAMPSHIRE, SO22 6NR	Effluent Type: SEWAGE DISCHARGES - FINAL/TREATED EFFLUENT - WATER COMPANY Permit Number: W00235 Permit Version: 2 Receiving Water: FRESHWATER STREAM OR RIVER	Status: PRE NRA LEGISLATION WHERE ISSUE DATE 01-SEP-89 (HISTORIC ONLY) Issue date: 26/09/1984 Effective Date: 26/09/1984 Revocation Date: 30/12/2000
D	198m SW	HARESTOCK WASTEWATER TREATMENT WORK, ANDOVER ROAD, HARESTOCK, HAMPSHIRE, SO22 6NR	Effluent Type: SEWAGE DISCHARGES - STW STORM OVERFLOW/STORM TANK - WATER COMPANY Permit Number: W00235 Permit Version: 2 Receiving Water: FRESHWATER STREAM OR RIVER	Status: PRE NRA LEGISLATION WHERE ISSUE DATE 01-SEP-89 (HISTORIC ONLY) Issue date: 26/09/1984 Effective Date: 26/09/1984 Revocation Date: 30/12/2000
D	198m SW	HARESTOCK WASTEWATER TREATMENT WORK, ANDOVER ROAD, HARESTOCK, HAMPSHIRE, SO22 6NR	Effluent Type: SEWAGE DISCHARGES - FINAL/TREATED EFFLUENT - WATER COMPANY Permit Number: W00235 Permit Version: 3 Receiving Water: TO RIVER ITCHEN VIA PIPE	Status: PRE NRA LEGISLATION WHERE ISSUE DATE 01-SEP-89 (HISTORIC ONLY) Issue date: 20/12/2000 Effective Date: 31/12/2000 Revocation Date: 30/03/2005
D	198m SW	HARESTOCK WASTEWATER TREATMENT WORK, ANDOVER ROAD, HARESTOCK, HAMPSHIRE, SO22 6NR	Effluent Type: SEWAGE DISCHARGES - STW STORM OVERFLOW/STORM TANK - WATER COMPANY Permit Number: W00235 Permit Version: 3 Receiving Water: TO RIVER ITCHEN VIA PIPE	Status: PRE NRA LEGISLATION WHERE ISSUE DATE 01-SEP-89 (HISTORIC ONLY) Issue date: 20/12/2000 Effective Date: 31/12/2000 Revocation Date: 30/03/2005



ID	Location	Address	Details	
D	205m SW	HARESTOCK WASTEWATER TREATMENT WORK, ANDOVER ROAD, HARESTOCK, HAMPSHIRE, SO22 6NR	Effluent Type: SEWAGE DISCHARGES - FINAL/TREATED EFFLUENT - WATER COMPANY Permit Number: W00235 Permit Version: 4 Receiving Water: TO RIVER ITCHEN VIA PIPE	Status: MODIFIED - (WRA 91 SCHED 10 - AS AMENDED BY ENV ACT 1995) Issue date: 31/03/2005 Effective Date: 31/03/2005 Revocation Date: 31/12/2005
D	205m SW	HARESTOCK WASTEWATER TREATMENT WORK, ANDOVER ROAD, HARESTOCK, HAMPSHIRE, SO22 6NR	Effluent Type: SEWAGE DISCHARGES - STW STORM OVERFLOW/STORM TANK - WATER COMPANY Permit Number: W00235 Permit Version: 4 Receiving Water: TO RIVER ITCHEN VIA PIPE	Status: MODIFIED - (WRA 91 SCHED 10 - AS AMENDED BY ENV ACT 1995) Issue date: 31/03/2005 Effective Date: 31/03/2005 Revocation Date: 31/12/2005
D	205m SW	HARESTOCK WASTEWATER TREATMENT WORK, ANDOVER ROAD, HARESTOCK, HAMPSHIRE, SO22 6NR	Effluent Type: SEWAGE DISCHARGES - STW STORM OVERFLOW/STORM TANK - WATER COMPANY Permit Number: W00235 Permit Version: 4 Receiving Water: TO RIVER ITCHEN VIA PIPE	Status: MODIFIED - (WRA 91 SCHED 10 - AS AMENDED BY ENV ACT 1995) Issue date: 31/03/2005 Effective Date: 31/03/2005 Revocation Date: 31/12/2005
D	205m SW	HARESTOCK WASTEWATER TREATMENT WORK, ANDOVER ROAD, HARESTOCK, HAMPSHIRE, SO22 6NR	Effluent Type: SEWAGE DISCHARGES - FINAL/TREATED EFFLUENT - WATER COMPANY Permit Number: W00235 Permit Version: 5 Receiving Water: RIVER ITCHEN	Status: MODIFIED - (WRA 91 SCHED 10 - AS AMENDED BY ENV ACT 1995) Issue date: 31/03/2005 Effective Date: 01/01/2006 Revocation Date: 09/01/2006
D	205m SW	HARESTOCK WASTEWATER TREATMENT WORK, ANDOVER ROAD, HARESTOCK, HAMPSHIRE, SO22 6NR	Effluent Type: SEWAGE DISCHARGES - STW STORM OVERFLOW/STORM TANK - WATER COMPANY Permit Number: W00235 Permit Version: 5 Receiving Water: RIVER ITCHEN	Status: MODIFIED - (WRA 91 SCHED 10 - AS AMENDED BY ENV ACT 1995) Issue date: 31/03/2005 Effective Date: 01/01/2006 Revocation Date: 09/01/2006
D	205m SW	HARESTOCK WASTEWATER TREATMENT WORK, ANDOVER ROAD, HARESTOCK, HAMPSHIRE, SO22 6NR	Effluent Type: SEWAGE DISCHARGES - FINAL/TREATED EFFLUENT - WATER COMPANY Permit Number: W00235 Permit Version: 6 Receiving Water: RIVER ITCHEN	Status: MODIFIED - (WRA 91 SCHED 10 - AS AMENDED BY ENV ACT 1995) Issue date: 10/01/2006 Effective Date: 10/01/2006 Revocation Date: 31/03/2009



ID	Location	Address	Details	
D	205m SW	HARESTOCK WASTEWATER TREATMENT WORK, ANDOVER ROAD, HARESTOCK, HAMPSHIRE, SO22 6NR	Effluent Type: SEWAGE DISCHARGES - STW STORM OVERFLOW/STORM TANK - WATER COMPANY Permit Number: W00235 Permit Version: 6 Receiving Water: RIVER ITCHEN	Status: MODIFIED - (WRA 91 SCHED 10 - AS AMENDED BY ENV ACT 1995) Issue date: 10/01/2006 Effective Date: 10/01/2006 Revocation Date: 31/03/2009
D	205m SW	HARESTOCK WASTEWATER TREATMENT WORK, ANDOVER ROAD, HARESTOCK, HAMPSHIRE, SO22 6NR	Effluent Type: SEWAGE DISCHARGES - FINAL/TREATED EFFLUENT - WATER COMPANY Permit Number: W00235 Permit Version: 7 Receiving Water: RIVER ITCHEN	Status: MODIFIED - (WRA 91 SCHED 10 - AS AMENDED BY ENV ACT 1995) Issue date: 14/10/2008 Effective Date: 01/04/2009 Revocation Date: 30/03/2010
D	205m SW	HARESTOCK WASTEWATER TREATMENT WORK, ANDOVER ROAD, HARESTOCK, HAMPSHIRE, SO22 6NR	Effluent Type: SEWAGE DISCHARGES - STW STORM OVERFLOW/STORM TANK - WATER COMPANY Permit Number: W00235 Permit Version: 7 Receiving Water: RIVER ITCHEN	Status: MODIFIED - (WRA 91 SCHED 10 - AS AMENDED BY ENV ACT 1995) Issue date: 14/10/2008 Effective Date: 01/04/2009 Revocation Date: 30/03/2010
D	205m SW	HARESTOCK WASTEWATER TREATMENT WORK, ANDOVER ROAD, HARESTOCK, HAMPSHIRE, SO22 6NR	Effluent Type: SEWAGE DISCHARGES - FINAL/TREATED EFFLUENT - WATER COMPANY Permit Number: W00235 Permit Version: 8 Receiving Water: RIVER ITCHEN	Status: MODIFIED - (WRA 91 SCHED 10 - AS AMENDED BY ENV ACT 1995) Issue date: 31/03/2010 Effective Date: 31/03/2010 Revocation Date: 05/12/2013
D	205m SW	HARESTOCK WASTEWATER TREATMENT WORK, ANDOVER ROAD, HARESTOCK, HAMPSHIRE, SO22 6NR	Effluent Type: SEWAGE DISCHARGES - STW STORM OVERFLOW/STORM TANK - WATER COMPANY Permit Number: W00235 Permit Version: 8 Receiving Water: RIVER ITCHEN	Status: MODIFIED - (WRA 91 SCHED 10 - AS AMENDED BY ENV ACT 1995) Issue date: 31/03/2010 Effective Date: 31/03/2010 Revocation Date: 05/12/2013
E	266m W	EASTON LANE MOTORWAY COMPOUND, M3 JUNCTION 9, EASTON LANE, WINCHESTER, HAMPSHIRE, SO23 7TY	Effluent Type: TRADE DISCHARGES - SITE DRAINAGE Permit Number: G00640 Permit Version: 1 Receiving Water: GROUNDWATER	Status: NEW CONSENT (WRA 91, S88 & SCHED 10 AS AMENDED BY ENV ACT 1995) Issue date: 25/10/2005 Effective Date: 25/10/2005 Revocation Date: 20/12/2012
E	266m W	EASTON LANE MOTORWAY COMPOUND, M3 JUNCTION 9, EASTON LANE, WINCHESTER, HAMPSHIRE, SO23 7TY	Effluent Type: TRADE DISCHARGES - SITE DRAINAGE Permit Number: G00640 Permit Version: 2 Receiving Water: GROUNDWATER	Status: VARIED UNDER EPR 2010 Issue date: 21/12/2012 Effective Date: 21/12/2012 Revocation Date: -



ID	Location	Address	Details	
20	272m NW	KINGSWORTHY, WINCHESTER	Effluent Type: TRADE DISCHARGES - COOLING WATER Permit Number: N03134 Permit Version: 1 Receiving Water: INTO LAND	Status: LAPSED UNDER SCHEDULE 23 ENVIRONMENT ACT 1995 Issue date: 18/02/1977 Effective Date: 18/02/1977 Revocation Date: 31/03/1997
21	280m E	TILBURY, EASTON LANE, TILBURY EASTON LANE, WINCHESTER	Effluent Type: SEWAGE DISCHARGES - FINAL/TREATED EFFLUENT - NOT WATER COMPANY Permit Number: H02532 Permit Version: 1 Receiving Water: INTO LAND	Status: LAPSED UNDER SCHEDULE 23 ENVIRONMENT ACT 1995 Issue date: 12/09/1973 Effective Date: 12/09/1973 Revocation Date: 31/03/1997
22	283m E	THE OAK HOUSE, CHURCH LANE, EASTON, WINCHESTER, HAMPSHIRE, SO21 1EH	Effluent Type: SEWAGE DISCHARGES - FINAL/TREATED EFFLUENT - NOT WATER COMPANY Permit Number: EPRFB3397VK Permit Version: 1 Receiving Water: GROUNDWATER VIA INFILT. SYSTEM	Status: NEW ISSUED UNDER EPR 2010 Issue date: 31/01/2017 Effective Date: 31/01/2017 Revocation Date: -
G	292m NW	FULLING MILL, EASTON LANE, EASTON, FULLING MILL, EASTON LANE, EASTON, WINCHESTER, HAMPSHIRE, SO21 1DG	Effluent Type: SEWAGE DISCHARGES - FINAL/TREATED EFFLUENT - NOT WATER COMPANY Permit Number: G01153 Permit Version: 1 Receiving Water: RIVER ITCHEN	Status: NEW CONSENT (WRA 91, S88 & SCHED 10 AS AMENDED BY ENV ACT 1995) Issue date: 28/06/2007 Effective Date: 28/06/2007 Revocation Date: 20/12/2012
G	292m NW	FULLING MILL, EASTON LANE, EASTON, FULLING MILL, EASTON LANE, EASTON, WINCHESTER, HAMPSHIRE, SO21 1DG	Effluent Type: SEWAGE DISCHARGES - FINAL/TREATED EFFLUENT - NOT WATER COMPANY Permit Number: G01153 Permit Version: 2 Receiving Water: RIVER ITCHEN	Status: VARIED UNDER EPR 2010 Issue date: 21/12/2012 Effective Date: 21/12/2012 Revocation Date: -
23	297m N	SEWAGE DIPOSAL WORKS KINGS WORTHY, SEWAGE DIPOSAL WORKS KINGS WORTH	Effluent Type: SEWAGE DISCHARGES - FINAL/TREATED EFFLUENT - NOT WATER COMPANY Permit Number: H02816 Permit Version: 1 Receiving Water: FRESHWATER RIVER	Status: PRE NRA LEGISLATION WHERE ISSUE DATE 01-SEP-89 (HISTORIC ONLY) Issue date: 18/01/1963 Effective Date: 18/01/1963 Revocation Date: 01/07/1991
G	300m NW	FULLING MILL, EASTON LANE, EASTON, FULLING MILL, EASTON LANE, EASTON, WINCHESTER, HAMPSHIRE, SO21 1DG	Effluent Type: SEWAGE DISCHARGES - FINAL/TREATED EFFLUENT - NOT WATER COMPANY Permit Number: G01153 Permit Version: 1 Receiving Water: RIVER ITCHEN	Status: NEW CONSENT (WRA 91, S88 & SCHED 10 AS AMENDED BY ENV ACT 1995) Issue date: 28/06/2007 Effective Date: 28/06/2007 Revocation Date: 20/12/2012



ID	Location	Address	Details	
G	300m NW	FULLING MILL, EASTON LANE, EASTON, FULLING MILL, EASTON LANE, EASTON, WINCHESTER, HAMPSHIRE, SO21 1DG	Effluent Type: SEWAGE DISCHARGES - FINAL/TREATED EFFLUENT - NOT WATER COMPANY Permit Number: G01153 Permit Version: 2 Receiving Water: RIVER ITCHEN	Status: VARIED UNDER EPR 2010 Issue date: 21/12/2012 Effective Date: 21/12/2012 Revocation Date: -
G	305m NW	FULLING MILL, KINGS WORTHY, WINCHESTER, HAMPSHIRE	Effluent Type: SEWAGE DISCHARGES - UNSPECIFIED - NOT WATER COMPANY Permit Number: N01623 Permit Version: 1 Receiving Water: FRESHWATER RIVER	Status: LAPSED UNDER SCHEDULE 23 ENVIRONMENT ACT 1995 Issue date: 22/01/1960 Effective Date: 22/01/1960 Revocation Date: 31/03/1997
24	305m N	EASTON WATER WORKS	Effluent Type: SEWAGE DISCHARGES - UNSPECIFIED - NOT WATER COMPANY Permit Number: H01117 Permit Version: 1 Receiving Water: FRESHWATER RIVER	Status: LAPSED UNDER SCHEDULE 23 ENVIRONMENT ACT 1995 Issue date: 25/07/1969 Effective Date: 25/07/1969 Revocation Date: 31/03/1997
26	328m E	THE OLD RECTORY, CHURCH LANE, EASTON, WINCHESTER, SO21 1EH	Effluent Type: SEWAGE DISCHARGES - FINAL/TREATED EFFLUENT - NOT WATER COMPANY Permit Number: EPRHB3191RN Permit Version: 1 Receiving Water: GROUNDWATER	Status: NEW ISSUED UNDER EPR 2010 Issue date: 13/04/2018 Effective Date: 13/04/2018 Revocation Date: -
28	359m W	PUDDING FARM, HEADBOURNE WORTHY, WINCHESTER, HAMPSHIRE	Effluent Type: UNSPECIFIED Permit Number: H01522 Permit Version: 1 Receiving Water: FRESHWATER RIVER	Status: REVOKED (WRA 91, S88 & SCHED 10 AS AMENDED BY ENV ACT 1995) Issue date: 13/07/1962 Effective Date: 13/07/1962 Revocation Date: 15/11/2007
29	367m N	RIVERSMEAD, LONDON ROAD, KINGS WORTHY, WINCHESTER, HAMPSHIRE, SO23 7QL	Effluent Type: SEWAGE DISCHARGES - FINAL/TREATED EFFLUENT - NOT WATER COMPANY Permit Number: EPRMP3823KL Permit Version: 1 Receiving Water: GW VIA A SOAKAWAY	Status: NEW ISSUED UNDER EPR 2010 Issue date: 06/09/2011 Effective Date: 06/09/2011 Revocation Date: -
32	480m NW	COAL DEPOT OFFICE, BRYER ASH LIMITED, KINGSWORTHY, HAMPSHIRE	Effluent Type: SEWAGE DISCHARGES - FINAL/TREATED EFFLUENT - NOT WATER COMPANY Permit Number: H02610 Permit Version: 1 Receiving Water: INTO LAND	Status: LAPSED UNDER SCHEDULE 23 ENVIRONMENT ACT 1995 Issue date: 27/05/1968 Effective Date: 27/05/1968 Revocation Date: 31/03/1997

This data is sourced from the Environment Agency and Natural Resources Wales.



4.14 Pollutant release to surface waters (Red List)

Records within 500m

0

Discharges of specified substances under the Environmental Protection (Prescribed Processes and Substances) Regulations 1991.

This data is sourced from the Environment Agency and Natural Resources Wales.

4.15 Pollutant release to public sewer

Records within 500m

0

Discharges of Special Category Effluents to the public sewer.

This data is sourced from the Environment Agency and Natural Resources Wales.

4.16 List 1 Dangerous Substances

Records within 500m

0

Discharges of substances identified on List I of European Directive E 2006/11/EC, and regulated under the Environmental Damage (Prevention and Remediation) Regulations 2015.

This data is sourced from the Environment Agency and Natural Resources Wales.

4.17 List 2 Dangerous Substances

Records within 500m

0

Discharges of substances identified on List II of European Directive E 2006/11/EC, and regulated under the Environmental Damage (Prevention and Remediation) Regulations 2015.

This data is sourced from the Environment Agency and Natural Resources Wales.

4.18 Pollution Incidents (EA/NRW)

Records within 500m

4

Records of substantiated pollution incidents. Since 2006 this data has only included category 1 (major) and 2 (significant) pollution incidents.

Features are displayed on the Current industrial land use map on **page 47**



ID	Location	Details	
11	162m W	Incident Date: 05/10/2001 Incident Identification: 34746 Pollutant: General Biodegradable Materials and Wastes Pollutant Description: Food and Drink	Water Impact: Category 3 (Minor) Land Impact: Category 3 (Minor) Air Impact: Category 4 (No Impact)
15	198m W	Incident Date: 10/04/2003 Incident Identification: 149904 Pollutant: General Biodegradable Materials and Wastes Pollutant Description: Food and Drink	Water Impact: Category 4 (No Impact) Land Impact: Category 3 (Minor) Air Impact: Category 4 (No Impact)
18	234m S	Incident Date: 19/10/2001 Incident Identification: 37713 Pollutant: Specific Waste Materials Pollutant Description: Asbestos	Water Impact: Category 4 (No Impact) Land Impact: Category 3 (Minor) Air Impact: Category 3 (Minor)
30	398m W	Incident Date: 22/04/2002 Incident Identification: 73786 Pollutant: Contaminated Water Pollutant Description: Vehicle and Plant Washings	Water Impact: Category 3 (Minor) Land Impact: Category 4 (No Impact) Air Impact: Category 4 (No Impact)

This data is sourced from the Environment Agency and Natural Resources Wales.

4.19 Pollution inventory substances

Records within 500m

0

The pollution inventory (substances) includes reporting on annual emissions of certain regulated substances to air, controlled waters and land. A reporting threshold for each substance is also included. Where emissions fall below the reporting threshold, no value will be given. The data is given for the most recent complete year available.

This data is sourced from the Environment Agency and the Scottish Environment Protection Agency.

4.20 Pollution inventory waste transfers

Records within 500m

0

The pollution inventory (waste transfers) includes reporting on annual transfers and recovery/disposal of controlled wastes from a site. A reporting threshold for each waste type is also included. Where releases fall below the reporting threshold, no value will be given. The data is given for the most recent complete year available.

This data is sourced from the Environment Agency and the Scottish Environment Protection Agency.



4.21 Pollution inventory radioactive waste

Records within 500m

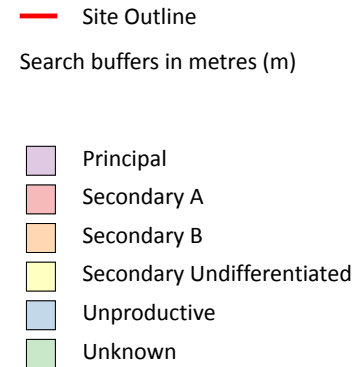
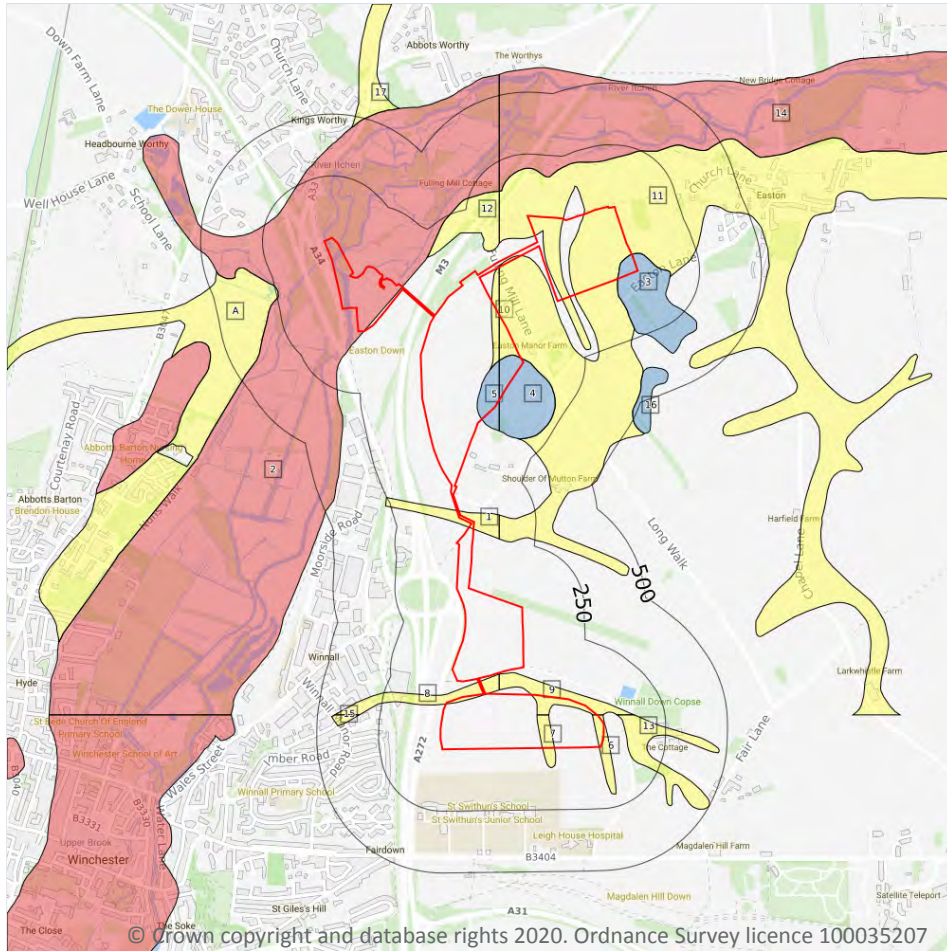
0

The pollution inventory (radioactive wastes) includes reporting on annual releases of radioactive substances from a site, including the means of release. Where releases fall below the reporting threshold, no value will be given. The data is given for the most recent complete year available.

This data is sourced from the Environment Agency and the Scottish Environment Protection Agency.



5 Hydrogeology - Superficial aquifer



5.1 Superficial aquifer

Records within 500m

18

Aquifer status of groundwater held within superficial geology.

Features are displayed on the Hydrogeology map on **page 62**

ID	Location	Designation	Description
1	On site	Secondary Undifferentiated	Assigned where it is not possible to attribute either category A or B to a rock type. In general these layers have previously been designated as both minor and non-aquifer in different locations due to the variable characteristics of the rock type
2	On site	Secondary A	Permeable layers capable of supporting water supplies at a local rather than strategic scale, and in some cases forming an important source of base flow to rivers. These are generally aquifers formerly classified as minor aquifers

ID	Location	Designation	Description
3	On site	Unproductive	These are rock layers or drift deposits with low permeability that have negligible significance for water supply or river base flow
4	On site	Unproductive	These are rock layers or drift deposits with low permeability that have negligible significance for water supply or river base flow
5	On site	Unproductive	These are rock layers or drift deposits with low permeability that have negligible significance for water supply or river base flow
6	On site	Secondary Undifferentiated	Assigned where it is not possible to attribute either category A or B to a rock type. In general these layers have previously been designated as both minor and non-aquifer in different locations due to the variable characteristics of the rock type
7	On site	Secondary Undifferentiated	Assigned where it is not possible to attribute either category A or B to a rock type. In general these layers have previously been designated as both minor and non-aquifer in different locations due to the variable characteristics of the rock type
8	On site	Secondary Undifferentiated	Assigned where it is not possible to attribute either category A or B to a rock type. In general these layers have previously been designated as both minor and non-aquifer in different locations due to the variable characteristics of the rock type
9	On site	Secondary Undifferentiated	Assigned where it is not possible to attribute either category A or B to a rock type. In general these layers have previously been designated as both minor and non-aquifer in different locations due to the variable characteristics of the rock type
10	On site	Secondary Undifferentiated	Assigned where it is not possible to attribute either category A or B to a rock type. In general these layers have previously been designated as both minor and non-aquifer in different locations due to the variable characteristics of the rock type
11	On site	Secondary Undifferentiated	Assigned where it is not possible to attribute either category A or B to a rock type. In general these layers have previously been designated as both minor and non-aquifer in different locations due to the variable characteristics of the rock type
12	51m NW	Secondary Undifferentiated	Assigned where it is not possible to attribute either category A or B to a rock type. In general these layers have previously been designated as both minor and non-aquifer in different locations due to the variable characteristics of the rock type
13	64m NE	Secondary Undifferentiated	Assigned where it is not possible to attribute either category A or B to a rock type. In general these layers have previously been designated as both minor and non-aquifer in different locations due to the variable characteristics of the rock type
14	145m NW	Secondary A	Permeable layers capable of supporting water supplies at a local rather than strategic scale, and in some cases forming an important source of base flow to rivers. These are generally aquifers formerly classified as minor aquifers
A	242m W	Secondary Undifferentiated	Assigned where it is not possible to attribute either category A or B to a rock type. In general these layers have previously been designated as both minor and non-aquifer in different locations due to the variable characteristics of the rock type
15	332m W	Secondary Undifferentiated	Assigned where it is not possible to attribute either category A or B to a rock type. In general these layers have previously been designated as both minor and non-aquifer in different locations due to the variable characteristics of the rock type

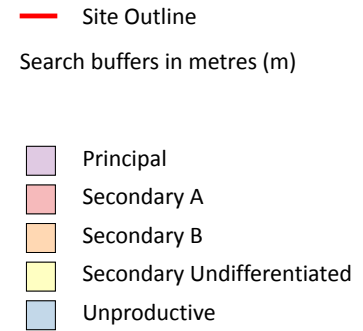
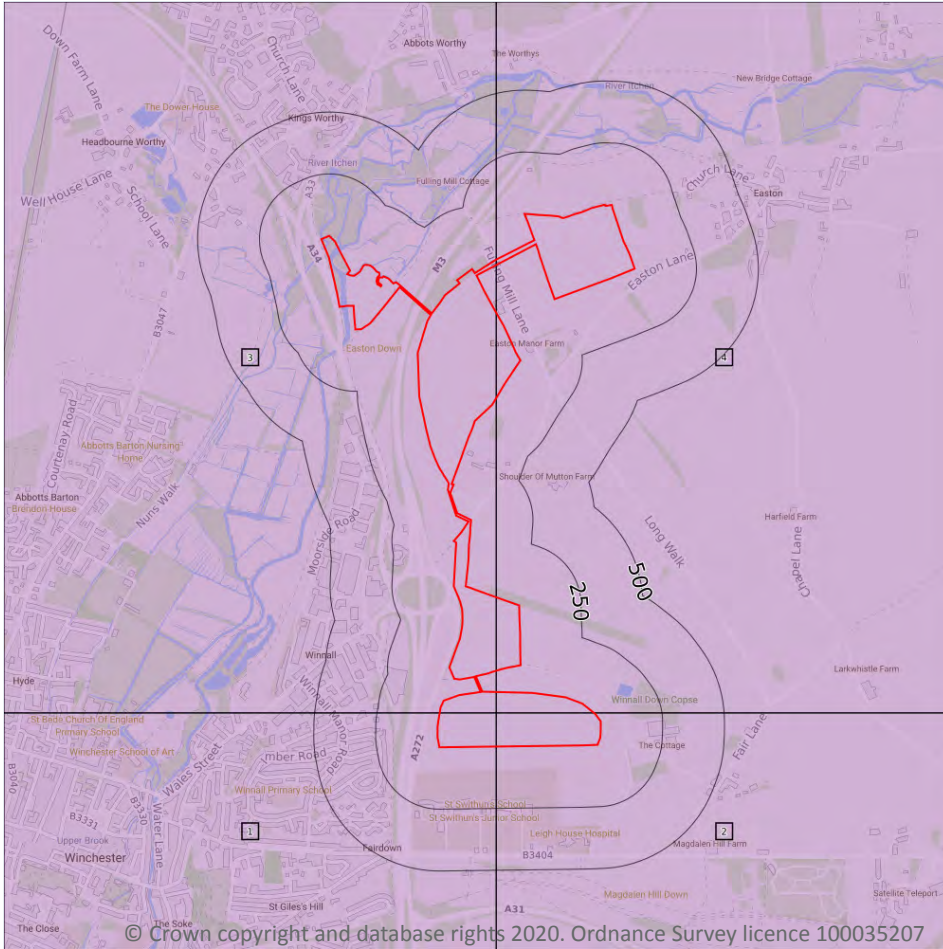


ID	Location	Designation	Description
16	379m S	Unproductive	These are rock layers or drift deposits with low permeability that have negligible significance for water supply or river base flow
17	454m N	Secondary Undifferentiated	Assigned where it is not possible to attribute either category A or B to a rock type. In general these layers have previously been designated as both minor and non-aquifer in different locations due to the variable characteristics of the rock type

This data is sourced from the British Geological Survey, the Environment Agency and Natural Resources Wales.



Bedrock aquifer



5.2 Bedrock aquifer

Records within 500m

4

Aquifer status of groundwater held within bedrock geology.

Features are displayed on the Bedrock aquifer map on **page 65**

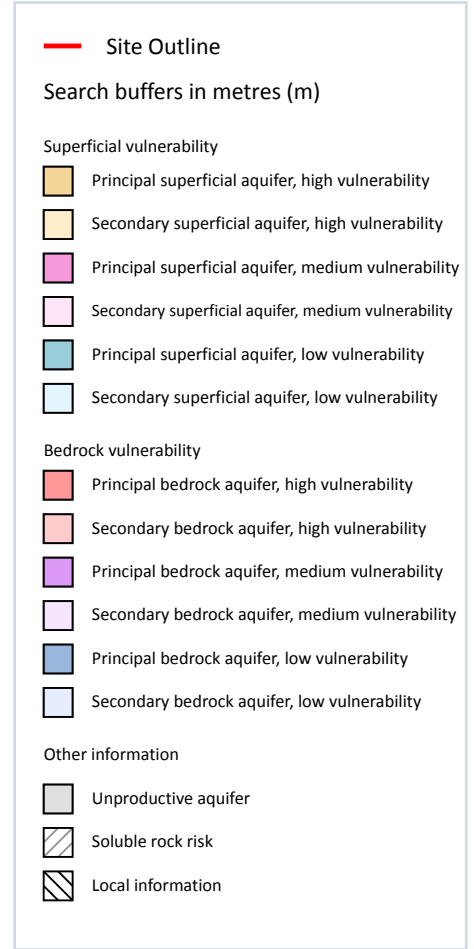
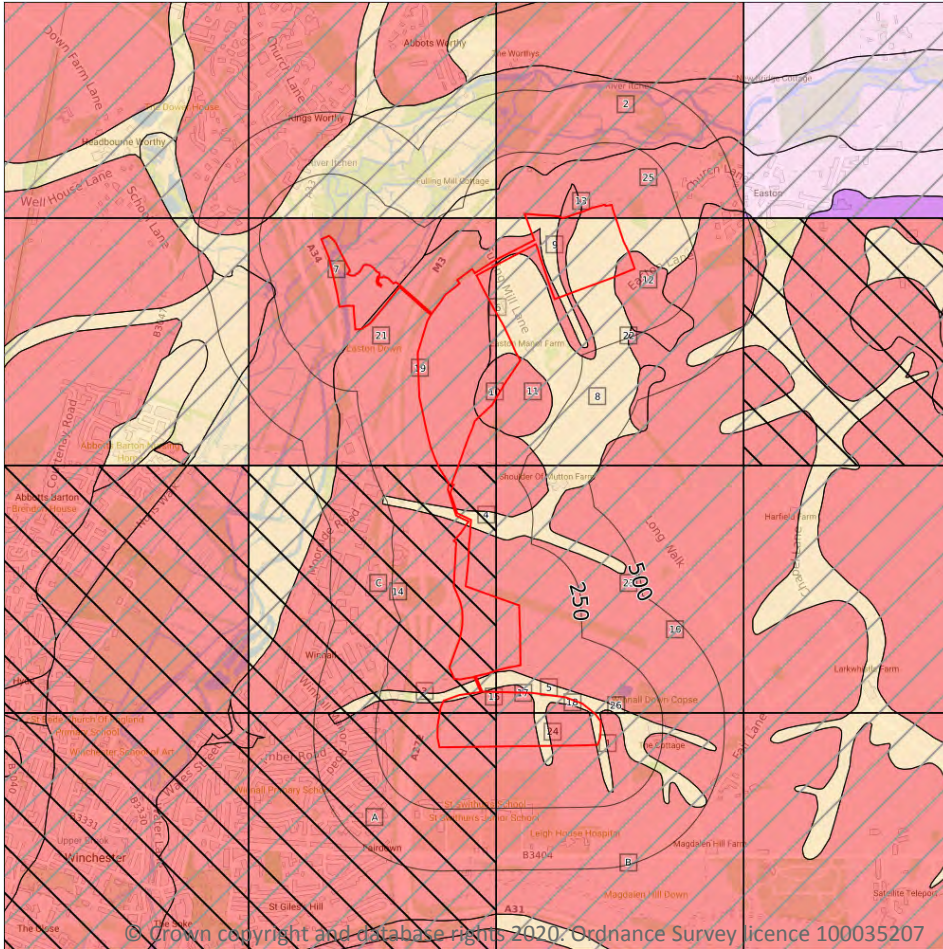
ID	Location	Designation	Description
1	On site	Principal	Geology of high intergranular and/or fracture permeability, usually providing a high level of water storage and may support water supply/river base flow on a strategic scale. Generally principal aquifers were previously major aquifers
2	On site	Principal	Geology of high intergranular and/or fracture permeability, usually providing a high level of water storage and may support water supply/river base flow on a strategic scale. Generally principal aquifers were previously major aquifers

ID	Location	Designation	Description
3	On site	Principal	Geology of high intergranular and/or fracture permeability, usually providing a high level of water storage and may support water supply/river base flow on a strategic scale. Generally principal aquifers were previously major aquifers
4	On site	Principal	Geology of high intergranular and/or fracture permeability, usually providing a high level of water storage and may support water supply/river base flow on a strategic scale. Generally principal aquifers were previously major aquifers

This data is sourced from the British Geological Survey, the Environment Agency and Natural Resources Wales.



Groundwater vulnerability



5.3 Groundwater vulnerability

Records within 50m

24

An assessment of the vulnerability of groundwater to a pollutant discharged at ground level based on the hydrological, geological, hydrogeological and soil properties within a one kilometre square grid. Groundwater vulnerability is described as High, Medium or Low as follows:

- High - Areas able to easily transmit pollution to groundwater. They are likely to be characterised by high leaching soils and the absence of low permeability superficial deposits.
- Medium - Intermediate between high and low vulnerability.
- Low - Areas that provide the greatest protection from pollution. They are likely to be characterised by low leaching soils and/or the presence of superficial deposits characterised by a low permeability.

Features are displayed on the Groundwater vulnerability map on **page 67**

ID	Location	Summary	Soil / surface	Superficial geology	Bedrock geology
1	On site	Summary Classification: Secondary superficial aquifer - High Vulnerability Combined classification: Productive Bedrock Aquifer, Productive Superficial Aquifer	Leaching class: High Infiltration value: >70% Dilution value: 300-550mm/year	Vulnerability: High Aquifer type: Secondary Thickness: <3m Patchiness value: <90% Recharge potential: No Data	Vulnerability: High Aquifer type: Principal Flow mechanism: Well connected fractures
3	On site	Summary Classification: Secondary superficial aquifer - High Vulnerability Combined classification: Productive Bedrock Aquifer, Productive Superficial Aquifer	Leaching class: High Infiltration value: >70% Dilution value: 300-550mm/year	Vulnerability: High Aquifer type: Secondary Thickness: <3m Patchiness value: <90% Recharge potential: No Data	Vulnerability: High Aquifer type: Principal Flow mechanism: Well connected fractures
4	On site	Summary Classification: Secondary superficial aquifer - High Vulnerability Combined classification: Productive Bedrock Aquifer, Productive Superficial Aquifer	Leaching class: High Infiltration value: >70% Dilution value: 300-550mm/year	Vulnerability: High Aquifer type: Secondary Thickness: <3m Patchiness value: <90% Recharge potential: No Data	Vulnerability: High Aquifer type: Principal Flow mechanism: Well connected fractures
5	On site	Summary Classification: Secondary superficial aquifer - High Vulnerability Combined classification: Productive Bedrock Aquifer, Productive Superficial Aquifer	Leaching class: High Infiltration value: >70% Dilution value: 300-550mm/year	Vulnerability: High Aquifer type: Secondary Thickness: <3m Patchiness value: <90% Recharge potential: No Data	Vulnerability: High Aquifer type: Principal Flow mechanism: Well connected fractures
6	On site	Summary Classification: Principal bedrock aquifer - High Vulnerability Combined classification: Productive Bedrock Aquifer, Productive Superficial Aquifer	Leaching class: Intermediate Infiltration value: >70% Dilution value: 300-550mm/year	Vulnerability: Medium Aquifer type: Secondary Thickness: <3m Patchiness value: <90% Recharge potential: Medium	Vulnerability: High Aquifer type: Principal Flow mechanism: Well connected fractures
7	On site	Summary Classification: Principal bedrock aquifer - High Vulnerability Combined classification: Productive Bedrock Aquifer, Productive Superficial Aquifer	Leaching class: Intermediate Infiltration value: >70% Dilution value: 300-550mm/year	Vulnerability: Medium Aquifer type: Secondary Thickness: <3m Patchiness value: <90% Recharge potential: Medium	Vulnerability: High Aquifer type: Principal Flow mechanism: Well connected fractures



ID	Location	Summary	Soil / surface	Superficial geology	Bedrock geology
8	On site	Summary Classification: Secondary superficial aquifer - High Vulnerability Combined classification: Productive Bedrock Aquifer, Productive Superficial Aquifer	Leaching class: High Infiltration value: >70% Dilution value: 300-550mm/year	Vulnerability: High Aquifer type: Secondary Thickness: 3-10m Patchiness value: <90% Recharge potential: No Data	Vulnerability: High Aquifer type: Principal Flow mechanism: Well connected fractures
9	On site	Summary Classification: Secondary superficial aquifer - High Vulnerability Combined classification: Productive Bedrock Aquifer, Productive Superficial Aquifer	Leaching class: High Infiltration value: >70% Dilution value: 300-550mm/year	Vulnerability: High Aquifer type: Secondary Thickness: 3-10m Patchiness value: <90% Recharge potential: No Data	Vulnerability: High Aquifer type: Principal Flow mechanism: Well connected fractures
10	On site	Summary Classification: Principal bedrock aquifer - High Vulnerability Combined classification: Productive Bedrock Aquifer, Unproductive Superficial Aquifer	Leaching class: Intermediate Infiltration value: >70% Dilution value: 300-550mm/year	Vulnerability: Unproductive Aquifer type: Unproductive Thickness: <3m Patchiness value: <90% Recharge potential: Medium	Vulnerability: High Aquifer type: Principal Flow mechanism: Well connected fractures
11	On site	Summary Classification: Principal bedrock aquifer - High Vulnerability Combined classification: Productive Bedrock Aquifer, Unproductive Superficial Aquifer	Leaching class: High Infiltration value: >70% Dilution value: 300-550mm/year	Vulnerability: Unproductive Aquifer type: Unproductive Thickness: 3-10m Patchiness value: <90% Recharge potential: No Data	Vulnerability: High Aquifer type: Principal Flow mechanism: Well connected fractures
12	On site	Summary Classification: Principal bedrock aquifer - High Vulnerability Combined classification: Productive Bedrock Aquifer, Unproductive Superficial Aquifer	Leaching class: High Infiltration value: >70% Dilution value: 300-550mm/year	Vulnerability: Unproductive Aquifer type: Unproductive Thickness: 3-10m Patchiness value: <90% Recharge potential: No Data	Vulnerability: High Aquifer type: Principal Flow mechanism: Well connected fractures
13	On site	Summary Classification: Principal bedrock aquifer - High Vulnerability Combined classification: Productive Bedrock Aquifer, No Superficial Aquifer	Leaching class: Intermediate Infiltration value: >70% Dilution value: 300-550mm/year	Vulnerability: - Aquifer type: - Thickness: <3m Patchiness value: <90% Recharge potential: No Data	Vulnerability: High Aquifer type: Principal Flow mechanism: Well connected fractures



ID	Location	Summary	Soil / surface	Superficial geology	Bedrock geology
14	On site	Summary Classification: Principal bedrock aquifer - High Vulnerability Combined classification: Productive Bedrock Aquifer, No Superficial Aquifer	Leaching class: High Infiltration value: >70% Dilution value: 300- 550mm/year	Vulnerability: - Aquifer type: - Thickness: <3m Patchiness value: <90% Recharge potential: No Data	Vulnerability: High Aquifer type: Principal Flow mechanism: Well connected fractures
15	On site	Summary Classification: Principal bedrock aquifer - High Vulnerability Combined classification: Productive Bedrock Aquifer, No Superficial Aquifer	Leaching class: High Infiltration value: >70% Dilution value: 300- 550mm/year	Vulnerability: - Aquifer type: - Thickness: <3m Patchiness value: <90% Recharge potential: No Data	Vulnerability: High Aquifer type: Principal Flow mechanism: Well connected fractures
16	On site	Summary Classification: Principal bedrock aquifer - High Vulnerability Combined classification: Productive Bedrock Aquifer, No Superficial Aquifer	Leaching class: High Infiltration value: >70% Dilution value: 300- 550mm/year	Vulnerability: - Aquifer type: - Thickness: <3m Patchiness value: <90% Recharge potential: No Data	Vulnerability: High Aquifer type: Principal Flow mechanism: Well connected fractures
17	On site	Summary Classification: Principal bedrock aquifer - High Vulnerability Combined classification: Productive Bedrock Aquifer, No Superficial Aquifer	Leaching class: High Infiltration value: >70% Dilution value: 300- 550mm/year	Vulnerability: - Aquifer type: - Thickness: <3m Patchiness value: <90% Recharge potential: No Data	Vulnerability: High Aquifer type: Principal Flow mechanism: Well connected fractures
18	On site	Summary Classification: Principal bedrock aquifer - High Vulnerability Combined classification: Productive Bedrock Aquifer, No Superficial Aquifer	Leaching class: High Infiltration value: >70% Dilution value: 300- 550mm/year	Vulnerability: - Aquifer type: - Thickness: <3m Patchiness value: <90% Recharge potential: No Data	Vulnerability: High Aquifer type: Principal Flow mechanism: Well connected fractures
19	On site	Summary Classification: Principal bedrock aquifer - High Vulnerability Combined classification: Productive Bedrock Aquifer, No Superficial Aquifer	Leaching class: Intermediate Infiltration value: >70% Dilution value: 300- 550mm/year	Vulnerability: - Aquifer type: - Thickness: <3m Patchiness value: <90% Recharge potential: Medium	Vulnerability: High Aquifer type: Principal Flow mechanism: Well connected fractures
20	On site	Summary Classification: Principal bedrock aquifer - High Vulnerability Combined classification: Productive Bedrock Aquifer, No Superficial Aquifer	Leaching class: High Infiltration value: >70% Dilution value: 300- 550mm/year	Vulnerability: - Aquifer type: - Thickness: 3-10m Patchiness value: <90% Recharge potential: No Data	Vulnerability: High Aquifer type: Principal Flow mechanism: Well connected fractures



ID	Location	Summary	Soil / surface	Superficial geology	Bedrock geology
24	On site	Summary Classification: Secondary superficial aquifer - High Vulnerability Combined classification: Productive Bedrock Aquifer, Productive Superficial Aquifer	Leaching class: High Infiltration value: >70% Dilution value: 300-550mm/year	Vulnerability: High Aquifer type: Secondary Thickness: <3m Patchiness value: <90% Recharge potential: No Data	Vulnerability: High Aquifer type: Principal Flow mechanism: Well connected fractures
25	On site	Summary Classification: Principal bedrock aquifer - High Vulnerability Combined classification: Productive Bedrock Aquifer, Productive Superficial Aquifer	Leaching class: Intermediate Infiltration value: >70% Dilution value: 300-550mm/year	Vulnerability: Medium Aquifer type: Secondary Thickness: <3m Patchiness value: <90% Recharge potential: No Data	Vulnerability: High Aquifer type: Principal Flow mechanism: Well connected fractures
A	On site	Summary Classification: Principal bedrock aquifer - High Vulnerability Combined classification: Productive Bedrock Aquifer, No Superficial Aquifer	Leaching class: Intermediate Infiltration value: >70% Dilution value: 300-550mm/year	Vulnerability: - Aquifer type: - Thickness: <3m Patchiness value: <90% Recharge potential: No Data	Vulnerability: High Aquifer type: Principal Flow mechanism: Well connected fractures
B	On site	Summary Classification: Principal bedrock aquifer - High Vulnerability Combined classification: Productive Bedrock Aquifer, No Superficial Aquifer	Leaching class: High Infiltration value: >70% Dilution value: 300-550mm/year	Vulnerability: - Aquifer type: - Thickness: <3m Patchiness value: <90% Recharge potential: No Data	Vulnerability: High Aquifer type: Principal Flow mechanism: Well connected fractures
26	18m NE	Summary Classification: Principal bedrock aquifer - High Vulnerability Combined classification: Productive Bedrock Aquifer, No Superficial Aquifer	Leaching class: High Infiltration value: >70% Dilution value: 300-550mm/year	Vulnerability: - Aquifer type: - Thickness: <3m Patchiness value: <90% Recharge potential: No Data	Vulnerability: High Aquifer type: Principal Flow mechanism: Well connected fractures

This data is sourced from the British Geological Survey, the Environment Agency and Natural Resources Wales.

5.4 Groundwater vulnerability- soluble rock risk

Records on site

7

This dataset identifies areas where solution features that enable rapid movement of a pollutant may be present within a 1km grid square.



ID	Maximum soluble risk category	Percentage of grid square covered by maximum risk
2	Significant soluble rocks are likely to be present. Low possibility of localised subsidence or dissolution-related degradation of bedrock occurring naturally, but may be possible in adverse conditions such as high surface or subsurface water flow.	80.0%
21	Very significant soluble rocks are likely to be present with a moderate possibility of localised natural subsidence or dissolution-related degradation of bedrock, especially in adverse conditions such as concentrated surface or subsurface water flow.	2.0%
22	Very significant soluble rocks are likely to be present with a high possibility of localised subsidence or dissolution-related degradation of bedrock occurring naturally, especially in adverse conditions such as concentrated surface or subsurface water flow.	0.0%
23	Significant soluble rocks are likely to be present. Low possibility of localised subsidence or dissolution-related degradation of bedrock occurring naturally, but may be possible in adverse conditions such as high surface or subsurface water flow.	9.0%
A	Significant soluble rocks are likely to be present. Low possibility of localised subsidence or dissolution-related degradation of bedrock occurring naturally, but may be possible in adverse conditions such as high surface or subsurface water flow.	0.0%
B	Significant soluble rocks are likely to be present. Low possibility of localised subsidence or dissolution-related degradation of bedrock occurring naturally, but may be possible in adverse conditions such as high surface or subsurface water flow.	7.000000000000001%
C	Significant soluble rocks are likely to be present. Low possibility of localised subsidence or dissolution-related degradation of bedrock occurring naturally, but may be possible in adverse conditions such as high surface or subsurface water flow.	22.0%

This data is sourced from the British Geological Survey and the Environment Agency.

5.5 Groundwater vulnerability- local information

Records on site	2
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This dataset identifies areas where additional local information affecting vulnerability is held by the Environment Agency. Further information can be obtained by contacting the Environment Agency local Area groundwater team through the Environment Agency National Customer Call Centre on 03798 506 506 or by email on enquiries@environment-agency.gov.uk.

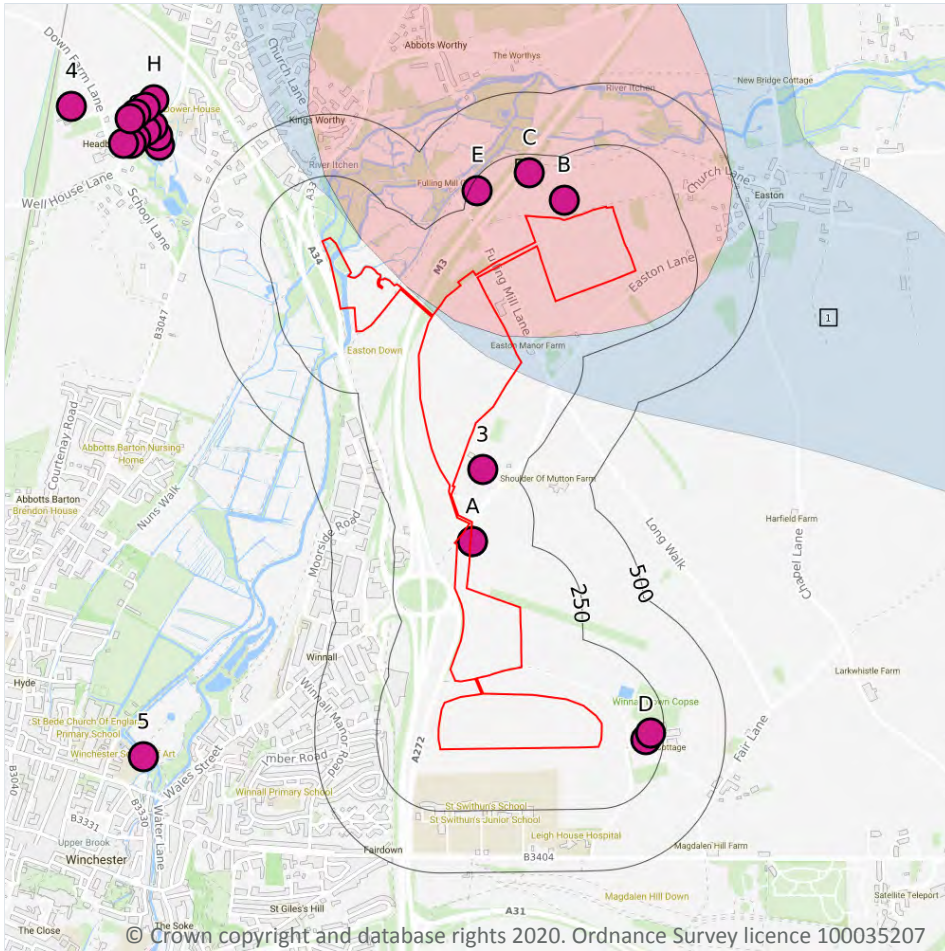


ID	Summary	Additional information
A	Increased vulnerability of aquifers due to rapid flow pathways	Local studies confirm presence of swallow holes in the area
C	Increased vulnerability of aquifers due to rapid flow pathways	Local studies confirm presence of swallow holes in the area

This data is sourced from the British Geological Survey and the Environment Agency.



Abstractions and Source Protection Zones



5.6 Groundwater abstractions

Records within 2000m

22

Licensed groundwater abstractions for sites extracting more than 20 cubic metres of water a day and includes active and historical records. The data may be for a single abstraction point, between two points (line data) or a larger area.

Features are displayed on the Abstractions and Source Protection Zones map on **page 74**

ID	Location	Details	
A	7m E	Status: Historical Licence No: 31/094 Details: General Farming & Domestic Direct Source: Southern Region Groundwater Point: SHOULDER OF MUTTON FARM, KINGSWORTHY Data Type: Point Name: Rosewell Easting: 449900 Northing: 130700	Annual Volume (m ³): - Max Daily Volume (m ³): - Original Application No: - Original Start Date: - Expiry Date: - Issue No: 100 Version Start Date: 10/05/1994 Version End Date: -
A	7m E	Status: Historical Licence No: 31/095 Details: General Farming & Domestic Direct Source: Southern Region Groundwater Point: POINT A AT PATCHINGS, EASTON Data Type: Point Name: Poole Easting: 449900 Northing: 130700	Annual Volume (m ³): - Max Daily Volume (m ³): - Original Application No: - Original Start Date: - Expiry Date: - Issue No: 100 Version Start Date: 10/05/1994 Version End Date: -
B	75m N	Status: Active Licence No: 11/42/22.4/80 Details: Potable Water Supply - Direct Direct Source: Southern Region Groundwater Point: ITCHEN VALLEY POINT C Data Type: Point Name: Southern Water Services Ltd Easting: 450270 Northing: 132080	Annual Volume (m ³): 6,637,160 Max Daily Volume (m ³): 27,276 Original Application No: - Original Start Date: 26/11/1965 Expiry Date: - Issue No: 101 Version Start Date: 01/04/2015 Version End Date: -
3	90m E	Status: Historical Licence No: 11/42/22.6/137 Details: General Farming & Domestic Direct Source: Southern Region Groundwater Point: WINNALL COTTAGE FARM, ITCHEN VALLEY Data Type: Point Name: Croft Easting: 449940 Northing: 130990	Annual Volume (m ³): - Max Daily Volume (m ³): - Original Application No: - Original Start Date: - Expiry Date: - Issue No: 100 Version Start Date: 09/02/1988 Version End Date: -
C	173m N	Status: Active Licence No: 11/42/22.4/80 Details: Potable Water Supply - Direct Direct Source: Southern Region Groundwater Point: ITCHEN VALLEY POINT A Data Type: Point Name: Southern Water Services Ltd Easting: 450130 Northing: 132190	Annual Volume (m ³): 6,637,160 Max Daily Volume (m ³): 27,276 Original Application No: - Original Start Date: 26/11/1965 Expiry Date: - Issue No: 101 Version Start Date: 01/04/2015 Version End Date: -



ID	Location	Details	
D	179m E	Status: Historical Licence No: 11/42/22.4/146 Details: Spray Irrigation - Direct Direct Source: Southern Region Groundwater Point: WINNALL DOWN FARM, WINCHESTER Data Type: Point Name: Winnall Down Farm Ltd Easting: 450600 Northing: 129900	Annual Volume (m ³): 45460 Max Daily Volume (m ³): 872.8 Original Application No: - Original Start Date: - Expiry Date: - Issue No: 100 Version Start Date: 11/06/2009 Version End Date: -
D	196m E	Status: Active Licence No: 11/42/22.4/146 Details: Spray Irrigation - Direct Direct Source: Southern Region Groundwater Point: WINNALL DOWN FARM, WINCHESTER Data Type: Point Name: The Warden & Fellows of Winchester College Easting: 450619 Northing: 129927	Annual Volume (m ³): 45,460 Max Daily Volume (m ³): 872.80 Original Application No: - Original Start Date: 20/06/1977 Expiry Date: - Issue No: 102 Version Start Date: 18/07/2019 Version End Date: -
E	220m NW	Status: Active Licence No: 11/42/22.4/80 Details: Potable Water Supply - Direct Direct Source: Southern Region Groundwater Point: ITCHEN VALLEY POINT D Data Type: Point Name: Southern Water Services Ltd Easting: 449920 Northing: 132120	Annual Volume (m ³): 6,637,160 Max Daily Volume (m ³): 27,276 Original Application No: - Original Start Date: 26/11/1965 Expiry Date: - Issue No: 101 Version Start Date: 01/04/2015 Version End Date: -
F	764m NW	Status: Active Licence No: 11/42/22.5/1 Details: Fish Farm/Cress Pond Throughflow Direct Source: Southern Region Groundwater Point: WATERCRESS BEDS AT HEADBOURNE WORTHY POINT F Data Type: Point Name: The Watercress Co Ltd Easting: 448635 Northing: 132303	Annual Volume (m ³): 2,636,732 Max Daily Volume (m ³): 7,228 Original Application No: - Original Start Date: 22/02/1966 Expiry Date: - Issue No: 101 Version Start Date: 31/01/2018 Version End Date: -
F	790m NW	Status: Active Licence No: 11/42/22.5/1 Details: Fish Farm/Cress Pond Throughflow Direct Source: Southern Region Groundwater Point: WATERCRESS BEDS AT HEADBOURNE WORTHY POINT E Data Type: Point Name: The Watercress Co Ltd Easting: 448627 Northing: 132339	Annual Volume (m ³): 2,636,732 Max Daily Volume (m ³): 7,228 Original Application No: - Original Start Date: 22/02/1966 Expiry Date: - Issue No: 101 Version Start Date: 31/01/2018 Version End Date: -



ID	Location	Details	
F	826m NW	Status: Historical Licence No: 11/42/22.5/1 Details: Fish Farm/Cress Pond Throughflow Direct Source: Southern Region Groundwater Point: WATERCRESS BEDS AT HEADBOURNE WORTHY POINT A Data Type: Point Name: Old Easting: 448610 Northing: 132380	Annual Volume (m ³): 2,636,680 Max Daily Volume (m ³): 7228.1 Original Application No: - Original Start Date: 22/02/1966 Expiry Date: - Issue No: 100 Version Start Date: 01/04/2016 Version End Date: -
F	841m NW	Status: Historical Licence No: 11/42/22.5/1 Details: Fish Farm/Cress Pond Throughflow Direct Source: Southern Region Groundwater Point: WATERCRESS BEDS AT HEADBOURNE WORTHY POINT B Data Type: Point Name: Old Easting: 448580 Northing: 132360	Annual Volume (m ³): 2,636,680 Max Daily Volume (m ³): 7228.1 Original Application No: - Original Start Date: 22/02/1966 Expiry Date: - Issue No: 100 Version Start Date: 01/04/2016 Version End Date: -
G	860m NW	Status: Historical Licence No: 11/42/22.5/1 Details: Fish Farm/Cress Pond Throughflow Direct Source: Southern Region Groundwater Point: WATERCRESS BEDS AT HEADBOURNE WORTHY POINT C Data Type: Point Name: Old Easting: 448540 Northing: 132330	Annual Volume (m ³): 2,636,680 Max Daily Volume (m ³): 7228.1 Original Application No: - Original Start Date: 22/02/1966 Expiry Date: - Issue No: 100 Version Start Date: 01/04/2016 Version End Date: -
G	868m NW	Status: Historical Licence No: 11/42/22.5/1 Details: Fish Farm/Cress Pond Throughflow Direct Source: Southern Region Groundwater Point: WATERCRESS BEDS AT HEADBOURNE WORTHY POINT D Data Type: Point Name: Old Easting: 448520 Northing: 132310	Annual Volume (m ³): 2,636,680 Max Daily Volume (m ³): 7228.1 Original Application No: - Original Start Date: 22/02/1966 Expiry Date: - Issue No: 100 Version Start Date: 01/04/2016 Version End Date: -



ID	Location	Details	
H	888m NW	Status: Active Licence No: 11/42/22.5/1 Details: Fish Farm/Cress Pond Throughflow Direct Source: Southern Region Groundwater Point: WATERCRESS BEDS AT HEADBOURNE WORTHY POINT D Data Type: Point Name: The Watercress Co Ltd Easting: 448614 Northing: 132487	Annual Volume (m ³): 2,636,732 Max Daily Volume (m ³): 7,228 Original Application No: - Original Start Date: 22/02/1966 Expiry Date: - Issue No: 101 Version Start Date: 31/01/2018 Version End Date: -
G	895m NW	Status: Active Licence No: 11/42/22.5/73 Details: General Farming & Domestic Direct Source: Southern Region Groundwater Point: UPPER & DOWN FARMS POINT C, HEADBOURNE WORTHY Data Type: Point Name: Trustees Of The Late Mrs E G Brown Easting: 448490 Northing: 132310	Annual Volume (m ³): 2,682 Max Daily Volume (m ³): 36.40 Original Application No: - Original Start Date: 23/12/1965 Expiry Date: - Issue No: 100 Version Start Date: 01/04/2008 Version End Date: -
H	897m NW	Status: Active Licence No: 11/42/22.5/1 Details: Fish Farm/Cress Pond Throughflow Direct Source: Southern Region Groundwater Point: WATERCRESS BEDS AT HEADBOURNE WORTHY POINT C Data Type: Point Name: The Watercress Co Ltd Easting: 448578 Northing: 132456	Annual Volume (m ³): 2,636,732 Max Daily Volume (m ³): 7,228 Original Application No: - Original Start Date: 22/02/1966 Expiry Date: - Issue No: 101 Version Start Date: 31/01/2018 Version End Date: -
H	913m NW	Status: Active Licence No: 11/42/22.5/1 Details: Fish Farm/Cress Pond Throughflow Direct Source: Southern Region Groundwater Point: WATERCRESS BEDS AT HEADBOURNE WORTHY POINT B Data Type: Point Name: The Watercress Co Ltd Easting: 448538 Northing: 132428	Annual Volume (m ³): 2,636,732 Max Daily Volume (m ³): 7,228 Original Application No: - Original Start Date: 22/02/1966 Expiry Date: - Issue No: 101 Version Start Date: 31/01/2018 Version End Date: -



ID	Location	Details	
H	921m NW	Status: Active Licence No: 11/42/22.5/1 Details: Fish Farm/Cress Pond Throughflow Direct Source: Southern Region Groundwater Point: WATERCRESS BEDS AT HEADBOURNE WORTHY POINT A Data Type: Point Name: The Watercress Co Ltd Easting: 448517 Northing: 132410	Annual Volume (m ³): 2,636,732 Max Daily Volume (m ³): 7,228 Original Application No: - Original Start Date: 22/02/1966 Expiry Date: - Issue No: 101 Version Start Date: 31/01/2018 Version End Date: -
4	1150m NW	Status: Active Licence No: 11/42/22.5/73 Details: General Farming & Domestic Direct Source: Southern Region Groundwater Point: UPPER & DOWN FARMS POINT B, HEADBOURNE WORTHY Data Type: Point Name: Trustees Of The Late Mrs E G Brown Easting: 448280 Northing: 132460	Annual Volume (m ³): 2,682 Max Daily Volume (m ³): 36.40 Original Application No: - Original Start Date: 23/12/1965 Expiry Date: - Issue No: 100 Version Start Date: 01/04/2008 Version End Date: -
5	1194m W	Status: Historical Licence No: 11/42/22.6/78 Details: Laundry Use Direct Source: Southern Region Groundwater Point: WINCHESTER LAUNDRY, HYDE ABBEY ROAD Data Type: Point Name: Brian Hampson & Paul Hampson & Sheila Lemon Easting: 448570 Northing: 129830	Annual Volume (m ³): 38000 Max Daily Volume (m ³): 145 Original Application No: - Original Start Date: - Expiry Date: - Issue No: 101 Version Start Date: 30/01/2003 Version End Date: -
-	1922m SE	Status: Historical Licence No: 11/42/22.6/86A Details: General Farming & Domestic Direct Source: Southern Region Groundwater Point: CHILCOMB MANOR, CHILCOMB Data Type: Point Name: Fordyce Easting: 451180 Northing: 128110	Annual Volume (m ³): - Max Daily Volume (m ³): - Original Application No: - Original Start Date: - Expiry Date: - Issue No: 100 Version Start Date: 02/05/1991 Version End Date: -

This data is sourced from the Environment Agency and Natural Resources Wales.



5.7 Surface water abstractions

Records within 2000m

0

Licensed surface water abstractions for sites extracting more than 20 cubic metres of water a day and includes active and historical records. The data may be for a single abstraction point, a stretch of watercourse or a larger area.

This data is sourced from the Environment Agency and Natural Resources Wales.

5.8 Potable abstractions

Records within 2000m

3

Licensed potable water abstractions for sites extracting more than 20 cubic metres of water a day and includes active and historical records. The data may be for a single abstraction point, a stretch of watercourse or a larger area.

Features are displayed on the Abstractions and Source Protection Zones map on **page 74**

ID	Location	Details	
B	75m N	Status: Active Licence No: 11/42/22.4/80 Details: Potable Water Supply - Direct Direct Source: Southern Region Groundwater Point: ITCHEN VALLEY POINT C Data Type: Point Name: Southern Water Services Ltd Easting: 450270 Northing: 132080	Annual Volume (m ³): 6,637,160 Max Daily Volume (m ³): 27,276 Original Application No: - Original Start Date: 26/11/1965 Expiry Date: - Issue No: 101 Version Start Date: 01/04/2015 Version End Date: -
C	173m N	Status: Active Licence No: 11/42/22.4/80 Details: Potable Water Supply - Direct Direct Source: Southern Region Groundwater Point: ITCHEN VALLEY POINT A Data Type: Point Name: Southern Water Services Ltd Easting: 450130 Northing: 132190	Annual Volume (m ³): 6,637,160 Max Daily Volume (m ³): 27,276 Original Application No: - Original Start Date: 26/11/1965 Expiry Date: - Issue No: 101 Version Start Date: 01/04/2015 Version End Date: -
E	220m NW	Status: Active Licence No: 11/42/22.4/80 Details: Potable Water Supply - Direct Direct Source: Southern Region Groundwater Point: ITCHEN VALLEY POINT D Data Type: Point Name: Southern Water Services Ltd Easting: 449920 Northing: 132120	Annual Volume (m ³): 6,637,160 Max Daily Volume (m ³): 27,276 Original Application No: - Original Start Date: 26/11/1965 Expiry Date: - Issue No: 101 Version Start Date: 01/04/2015 Version End Date: -



This data is sourced from the Environment Agency and Natural Resources Wales.

5.9 Source Protection Zones

Records within 500m **2**

Source Protection Zones define the sensitivity of an area around a potable abstraction site to contamination. Features are displayed on the Abstractions and Source Protection Zones map on **page 74**

ID	Location	Type	Description
1	On site	2	Outer catchment
2	On site	1	Inner catchment

This data is sourced from the Environment Agency and Natural Resources Wales.

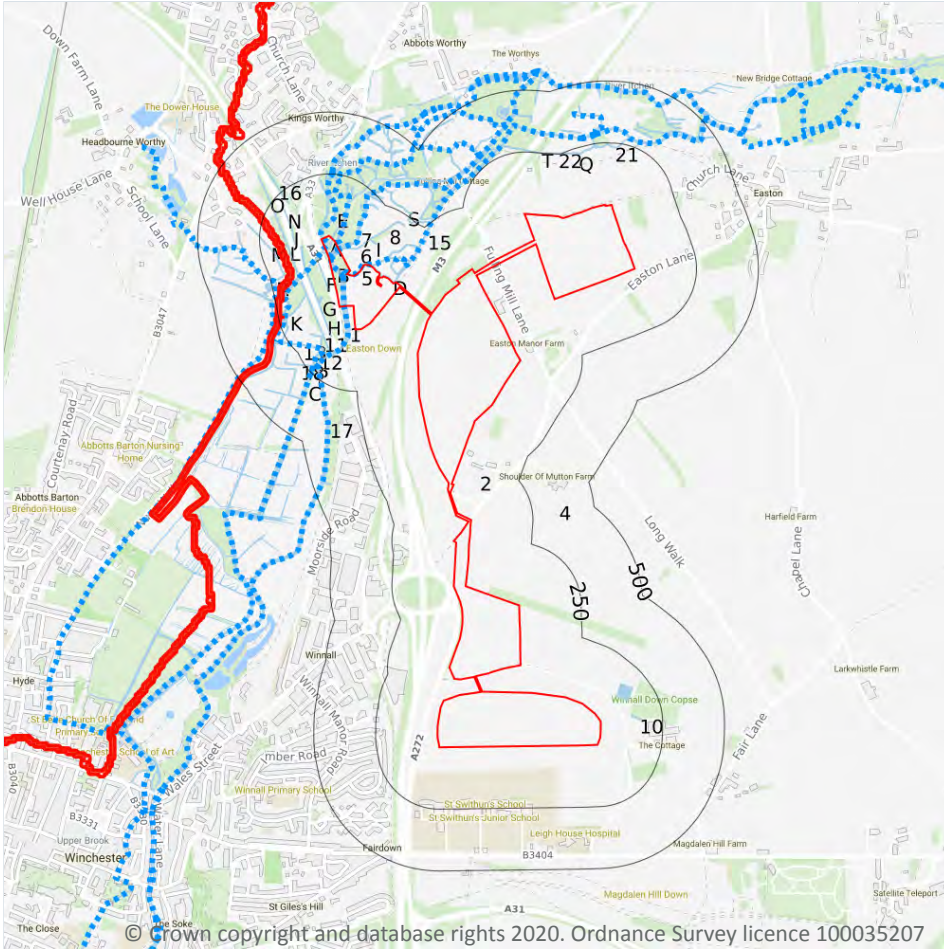
5.10 Source Protection Zones (confined aquifer)

Records within 500m **0**

Source Protection Zones in the confined aquifer define the sensitivity around a deep groundwater abstraction to contamination. A confined aquifer would normally be protected from contamination by overlying geology and is only considered a sensitive resource if deep excavation/drilling is taking place.

This data is sourced from the Environment Agency and Natural Resources Wales.

6 Hydrology



- Site Outline
- Search buffers in metres (m)
- Water Network (OS MasterMap)
- Surface water features (wider than 5m)
- Surface water features (narrower than 5m)
- ⋯ WFD River, canal and surface water transfer water bodies
- WFD Lake water bodies
- WFD Transitional and coastal water bodies
- WFD Surface water body catchments boundaries
- WFD Groundwater body boundaries

6.1 Water Network (OS MasterMap)

Records within 250m **115**

Detailed water network of Great Britain showing the flow and precise central course of every river, stream, lake and canal.

Features are displayed on the Hydrology map on **page 82**

ID	Location	Type of water feature	Ground level	Permanence	Name
1	On site	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	River Itchen

ID	Location	Type of water feature	Ground level	Permanence	Name
5	On site	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	River Itchen
A	On site	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
A	On site	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
A	On site	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	River Itchen
A	On site	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	River Itchen
B	On site	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	River Itchen
B	On site	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	River Itchen
B	On site	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	River Itchen
D	On site	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	River Itchen
D	On site	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
A	1m NE	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
A	1m NE	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
D	1m E	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	River Itchen



ID	Location	Type of water feature	Ground level	Permanence	Name
A	4m NE	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	River Itchen
D	5m NE	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	River Itchen
A	9m NE	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	River Itchen
A	9m NE	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	River Itchen
A	16m SW	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
A	22m NW	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
E	22m NW	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
6	23m NE	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
7	23m NE	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	River Itchen
A	25m NW	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
D	28m N	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	River Itchen
D	28m N	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	River Itchen
F	28m W	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-



ID	Location	Type of water feature	Ground level	Permanence	Name
D	31m N	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	River Itchen
D	31m N	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	River Itchen
A	32m SW	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
A	32m SW	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
G	61m W	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
G	66m W	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
D	72m NE	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	River Itchen
D	72m NE	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
H	73m W	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
D	74m NE	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	River Itchen
D	74m NE	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	River Itchen
G	79m W	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
A	81m W	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-



ID	Location	Type of water feature	Ground level	Permanence	Name
D	81m NE	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	River Itchen
D	83m NE	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	River Itchen
A	84m W	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
I	90m N	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
E	93m N	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
D	95m N	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	River Itchen
D	98m NE	Inland river not influenced by normal tidal action.	Underground	Watercourse contains water year round (in normal circumstances)	River Itchen
D	98m NE	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	River Itchen
D	99m NE	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
I	101m N	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
8	103m N	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
H	104m W	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
A	106m W	Inland river not influenced by normal tidal action.	Not provided	Watercourse contains water year round (in normal circumstances)	-



ID	Location	Type of water feature	Ground level	Permanence	Name
J	110m W	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
A	111m W	Inland river not influenced by normal tidal action.	Not provided	Watercourse contains water year round (in normal circumstances)	-
A	121m W	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
K	121m W	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
10	125m E	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
A	128m W	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
L	136m W	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
A	137m W	Inland river not influenced by normal tidal action.	Underground	Watercourse contains water year round (in normal circumstances)	-
A	137m W	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
11	138m W	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
12	153m SW	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
E	159m NE	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
E	159m NE	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	River Itchen



ID	Location	Type of water feature	Ground level	Permanence	Name
13	159m SW	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
A	161m W	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
K	161m W	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
E	164m NE	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
E	166m N	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	River Itchen
E	166m NE	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
D	169m NE	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
E	169m NE	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
15	170m NE	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	River Itchen
E	172m NE	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
E	172m NE	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	River Itchen
N	173m NW	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
E	176m NE	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	River Itchen



ID	Location	Type of water feature	Ground level	Permanence	Name
N	179m NW	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
E	182m NE	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
E	186m N	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
E	186m N	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
E	186m N	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
N	187m NW	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
A	189m W	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
M	189m W	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
E	190m NE	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
E	190m NE	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	River Itchen
16	191m NW	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
E	191m N	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
E	191m N	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-



ID	Location	Type of water feature	Ground level	Permanence	Name
O	195m NW	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
17	206m SW	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	River Itchen
P	206m SW	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
E	219m N	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
E	219m N	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
E	220m N	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
E	221m NE	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	River Itchen
E	221m NE	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
Q	224m N	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	River Itchen
Q	224m N	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	River Itchen
18	227m SW	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
P	227m SW	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
21	232m N	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	River Itchen



ID	Location	Type of water feature	Ground level	Permanence	Name
R	232m W	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
22	233m N	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	River Itchen
S	236m NE	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	River Itchen
Q	242m N	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	River Itchen
E	243m NE	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
E	247m NE	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	River Itchen
C	247m SW	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
T	248m N	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	River Itchen
T	249m N	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	River Itchen
E	249m N	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	River Itchen

This data is sourced from the Ordnance Survey.

6.2 Surface water features

Records within 250m

24

Covering rivers, streams and lakes (some overlap with OS MasterMap Water Network data in previous section) but additionally covers smaller features such as ponds. Rivers and streams narrower than 5m are represented as a single line. Lakes, ponds and rivers or streams wider than 5m are represented as polygons.

Features are displayed on the Hydrology map on **page 82**



This data is sourced from the Ordnance Survey.

6.3 WFD Surface water body catchments

Records on site	1
------------------------	----------

The Water Framework Directive is an EU-led framework for the protection of inland surface waters, estuaries, coastal waters and groundwater through river basin-level management planning. In terms of surface water, these basins are broken down into smaller units known as management, operational and water body catchments.

Features are displayed on the Hydrology map on **page 82**

ID	Location	Type	Water body catchment	Water body ID	Operational catchment	Management catchment
4	On site	River WB catchment	Itchen	GB107042022580	Itchen	Test and Itchen

This data is sourced from the Environment Agency and Natural Resources Wales.

6.4 WFD Surface water bodies

Records identified	1
---------------------------	----------

Surface water bodies under the Directive may be rivers, lakes, estuary or coastal. To achieve the purpose of the Directive, environmental objectives have been set and are reported on for each water body. The progress towards delivery of the objectives is then reported on by the relevant competent authorities at the end of each six-year cycle. The river water body directly associated with the catchment listed in the previous section is detailed below, along with any lake, canal, coastal or artificial water body within 250m of the site. Click on the water body ID in the table to visit the EA Catchment Explorer to find out more about each water body listed.

Features are displayed on the Hydrology map on **page 82**

ID	Location	Type	Name	Water body ID	Overall rating	Chemical rating	Ecological rating	Year
3	On site	River	Itchen	<u>GB107042022580</u>	Good	Good	Good	2016

This data is sourced from the Environment Agency and Natural Resources Wales.



6.5 WFD Groundwater bodies

Records on site	1
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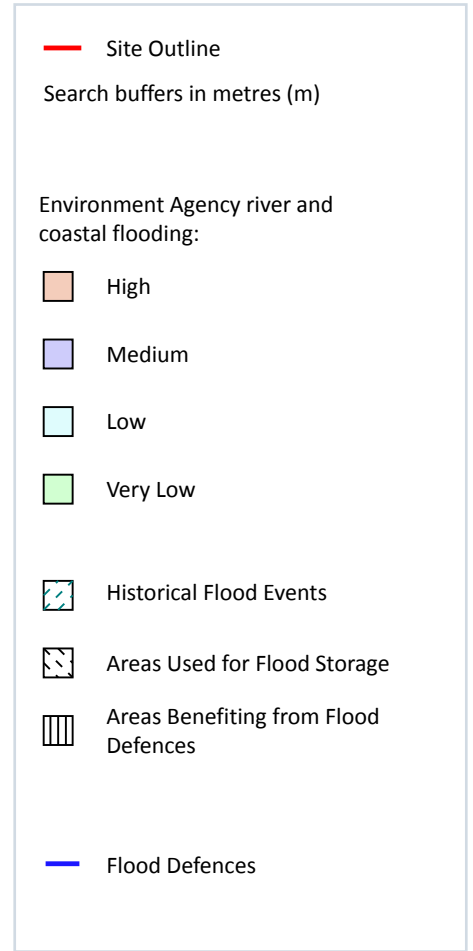
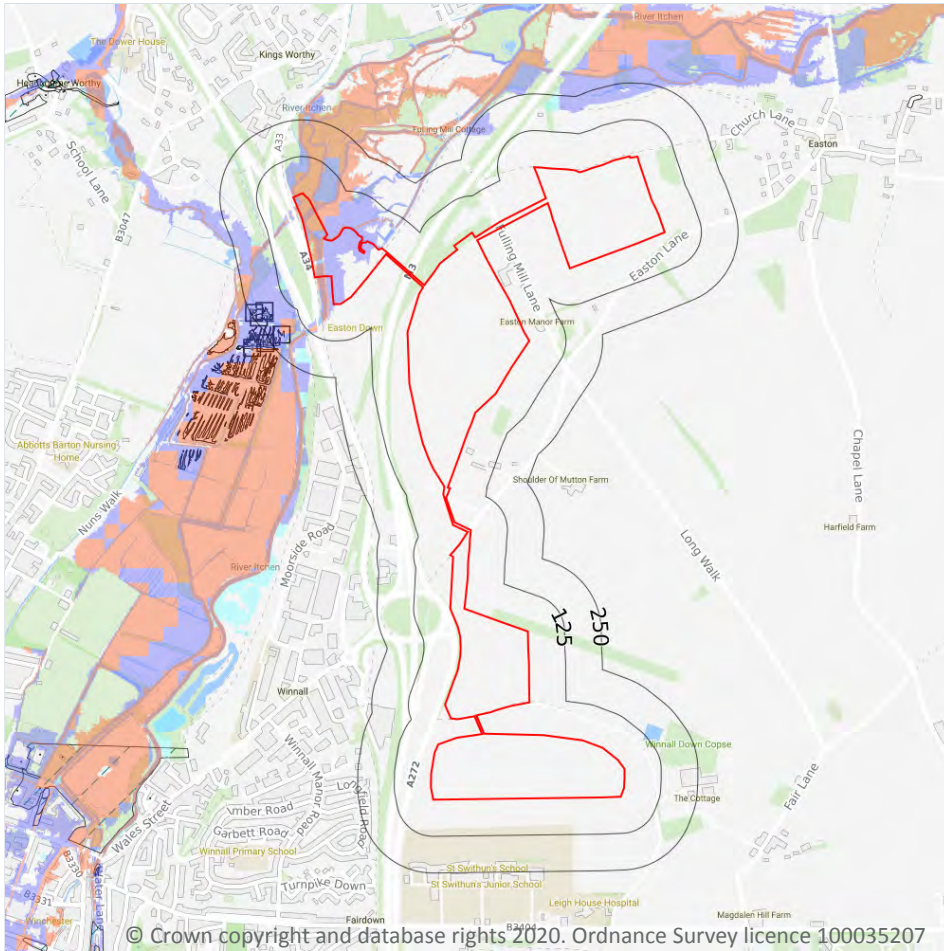
Groundwater bodies are also covered by the Directive and the same regime of objectives and reporting detailed in the previous section is in place. Click on the water body ID in the table to visit the EA Catchment Explorer to find out more about each groundwater body listed.

Features are displayed on the Hydrology map on **page 82**

ID	Location	Name	Water body ID	Overall rating	Chemical rating	Quantitative	Year
2	On site	River Itchen Chalk	<u>GB40701G505000</u>	Poor	Poor	Poor	2015

This data is sourced from the Environment Agency and Natural Resources Wales.

7 River and coastal flooding



7.1 Risk of Flooding from Rivers and Sea (RoFRaS)

Records within 50m

20

The chance of flooding from rivers and/or the sea in any given year, based on cells of 50m. Each cell is allocated one of four flood risk categories, taking into account flood defences and their condition; Very low (less than 1 in 1000 chance in any given year), Low (less than 1 in 100 but greater than or equal to 1 in 1000 chance), Medium (less than 1 in 30 but greater than or equal to 1 in 100 chance) or High (greater than or equal to 1 in 30 chance).

Features are displayed on the River and coastal flooding map on **page 94**

Distance	RoFRaS flood risk
On site	High
0 - 50m	High

This data is sourced from the Environment Agency and Natural Resources Wales.

7.2 Historical Flood Events

Records within 250m

14

Records of historic flooding from rivers, the sea, groundwater and surface water. Records began in 1946 when predecessor bodies started collecting detailed information about flooding incidents, although limited details may be included on flooding incidents prior to this date. Takes into account the presence of defences, structures, and other infrastructure where they existed at the time of flooding, and includes flood extents that may have been affected by overtopping, breaches or blockages.

Features are displayed on the River and coastal flooding map on **page 94**

ID	Location	Event name	Date of flood	Flood source	Flood cause	Type of flood
G	191m SW	Winter 13/14 East Hampshire Aerial Photography	2014-03-05 2014-03-05	Other	Groundwater/high water table	Fluvial
G	191m SW	Winter 13/14 East Hampshire Aerial Photography	2014-03-05 2014-03-05	Other	Groundwater/high water table	Fluvial
L	196m SW	Winter 13/14 East Hampshire Aerial Photography	2014-03-05 2014-03-05	Other	Groundwater/high water table	Fluvial
L	196m SW	Winter 13/14 East Hampshire Aerial Photography	2014-03-05 2014-03-05	Other	Groundwater/high water table	Fluvial
M	201m SW	Winter 13/14 East Hampshire Aerial Photography	2014-03-05 2014-03-05	Other	Groundwater/high water table	Fluvial
M	201m SW	Winter 13/14 East Hampshire Aerial Photography	2014-03-05 2014-03-05	Other	Groundwater/high water table	Fluvial
M	207m SW	Winter 13/14 East Hampshire Aerial Photography	2014-03-05 2014-03-05	Other	Groundwater/high water table	Fluvial
M	207m SW	Winter 13/14 East Hampshire Aerial Photography	2014-03-05 2014-03-05	Other	Groundwater/high water table	Fluvial
N	215m SW	Winter 13/14 East Hampshire Aerial Photography	2014-03-05 2014-03-05	Other	Groundwater/high water table	Fluvial
N	215m SW	Winter 13/14 East Hampshire Aerial Photography	2014-03-05 2014-03-05	Other	Groundwater/high water table	Fluvial
P	226m SW	Winter 13/14 East Hampshire Aerial Photography	2014-03-05 2014-03-05	Other	Groundwater/high water table	Fluvial
P	226m SW	Winter 13/14 East Hampshire Aerial Photography	2014-03-05 2014-03-05	Other	Groundwater/high water table	Fluvial



ID	Location	Event name	Date of flood	Flood source	Flood cause	Type of flood
T	243m SW	Winter 13/14 East Hampshire Aerial Photography	2014-03-05 2014-03-05	Other	Groundwater/high water table	Fluvial
T	243m SW	Winter 13/14 East Hampshire Aerial Photography	2014-03-05 2014-03-05	Other	Groundwater/high water table	Fluvial

This data is sourced from the Environment Agency and Natural Resources Wales.

7.3 Flood Defences

Records within 250m	0
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Records of flood defences owned, managed or inspected by the Environment Agency and Natural Resources Wales. Flood defences can be structures, buildings or parts of buildings. Typically these are earth banks, stone and concrete walls, or sheet-piling that is used to prevent or control the extent of flooding.

This data is sourced from the Environment Agency and Natural Resources Wales.

7.4 Areas Benefiting from Flood Defences

Records within 250m	0
----------------------------	----------

Areas that would benefit from the presence of flood defences in a 1 in 100 (1%) chance of flooding each year from rivers or 1 in 200 (0.5%) chance of flooding each year from the sea.

This data is sourced from the Environment Agency and Natural Resources Wales.

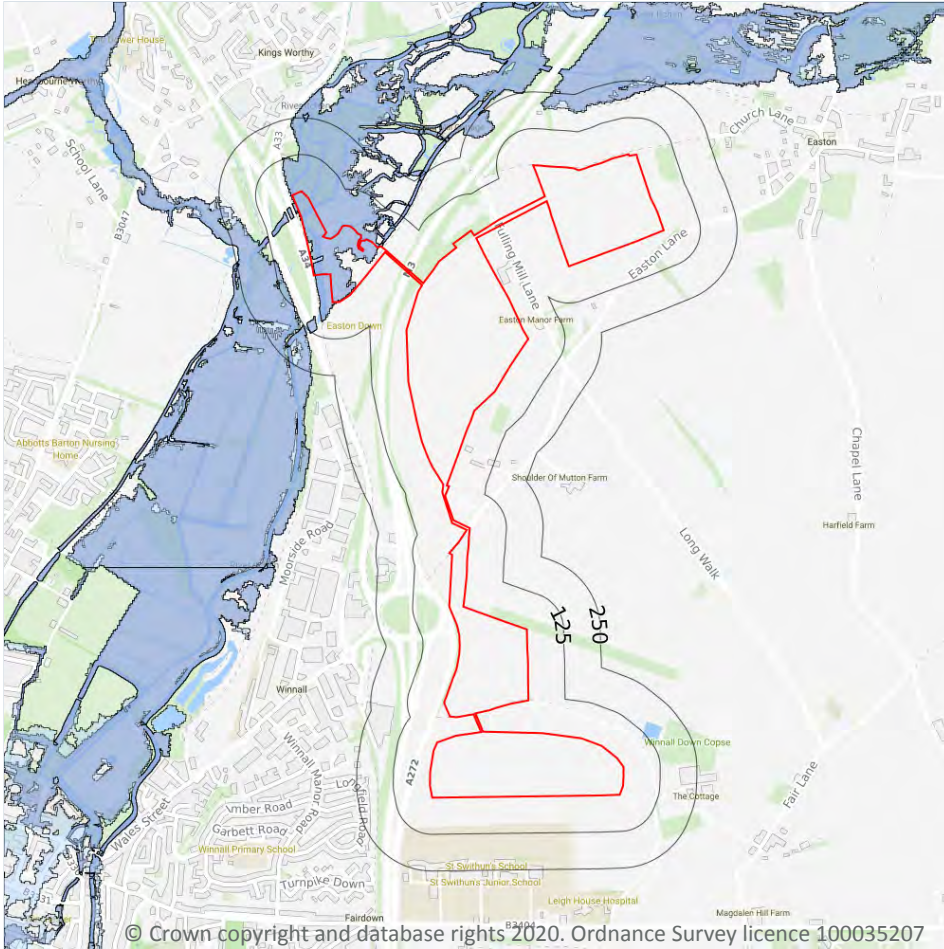
7.5 Flood Storage Areas

Records within 250m	0
----------------------------	----------

Areas that act as a balancing reservoir, storage basin or balancing pond to attenuate an incoming flood peak to a flow level that can be accepted by the downstream channel or to delay the timing of a flood peak so that its volume is discharged over a longer period.

This data is sourced from the Environment Agency and Natural Resources Wales.

River and coastal flooding - Flood Zones



- Site Outline
- Search buffers in metres (m)
- Flood zone 2
- Flood zone 3

7.6 Flood Zone 2

Records within 50m

1

Areas of land at risk of flooding, when the presence of flood defences are ignored. Covering land between Flood Zone 3 (see next section) and the extent of the flooding from rivers or the sea with a 1 in 1000 (0.1%) chance of flooding each year.

Features are displayed on the River and coastal flooding map on **page 94**

Location	Type
On site	Zone 2 - (Fluvial /Tidal Models)

This data is sourced from the Environment Agency and Natural Resources Wales.

7.7 Flood Zone 3

Records within 50m

1

Areas of land at risk of flooding, when the presence of flood defences are ignored. Covering land with a 1 in 100 (1%) or greater chance of flooding each year from rivers or a 1 in 200 (0.5%) or greater chance of flooding each year from the sea.

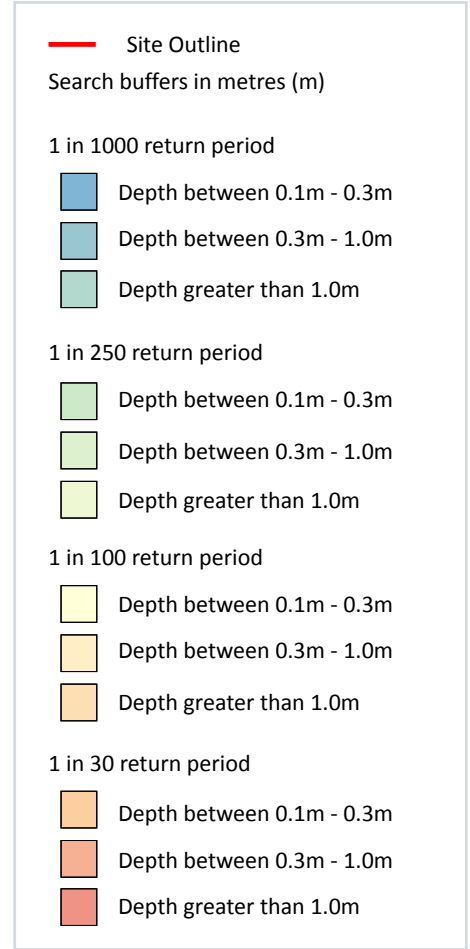
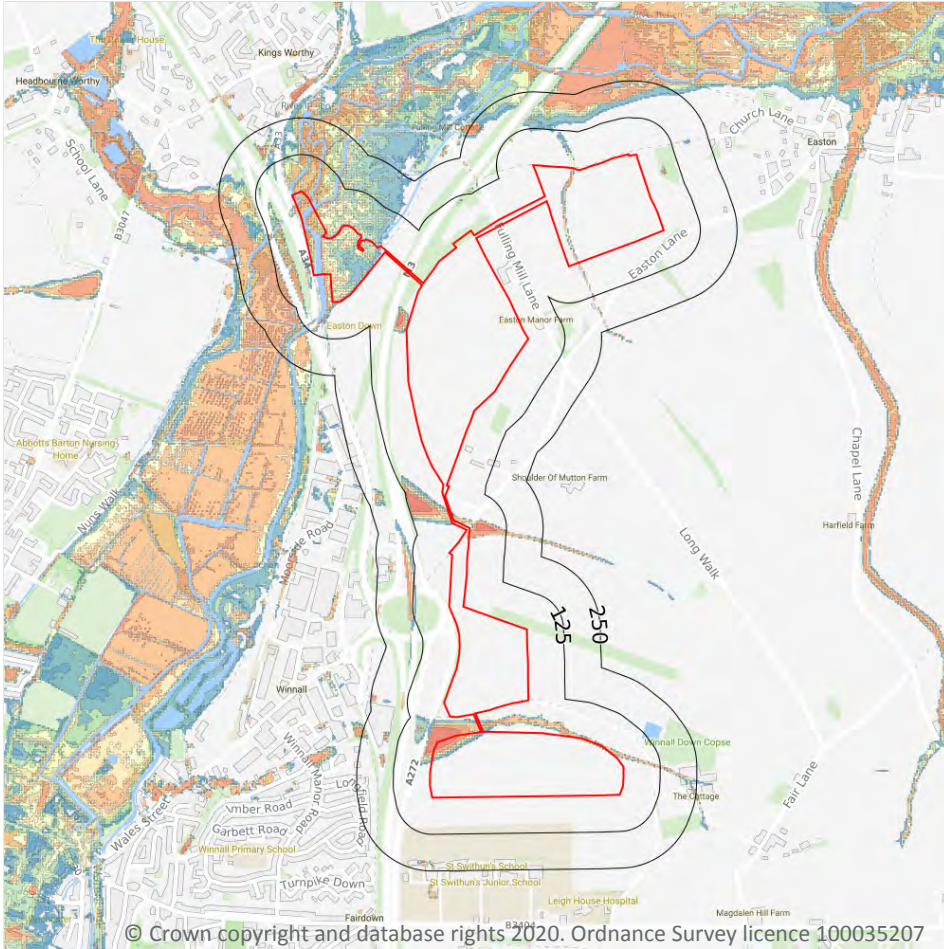
Features are displayed on the River and coastal flooding map on **page 94**

Location	Type
On site	Zone 3 - (Fluvial Models)

This data is sourced from the Environment Agency and Natural Resources Wales.



8 Surface water flooding



8.1 Surface water flooding

Highest risk on site

1 in 30 year, Greater than 1.0m

Highest risk within 50m

1 in 30 year, Greater than 1.0m

Ambiental Risk Analytics surface water (pluvial) FloodMap identifies areas likely to flood as a result of extreme rainfall events, i.e. land naturally vulnerable to surface water ponding or flooding. This data set was produced by simulating 1 in 30 year, 1 in 100 year, 1 in 250 year and 1 in 1,000 year rainfall events. Modern urban drainage systems are typically built to cope with rainfall events between 1 in 20 and 1 in 30 years, though some older ones may flood in a 1 in 5 year rainfall event.

Features are displayed on the Surface water flooding map on **page 99**

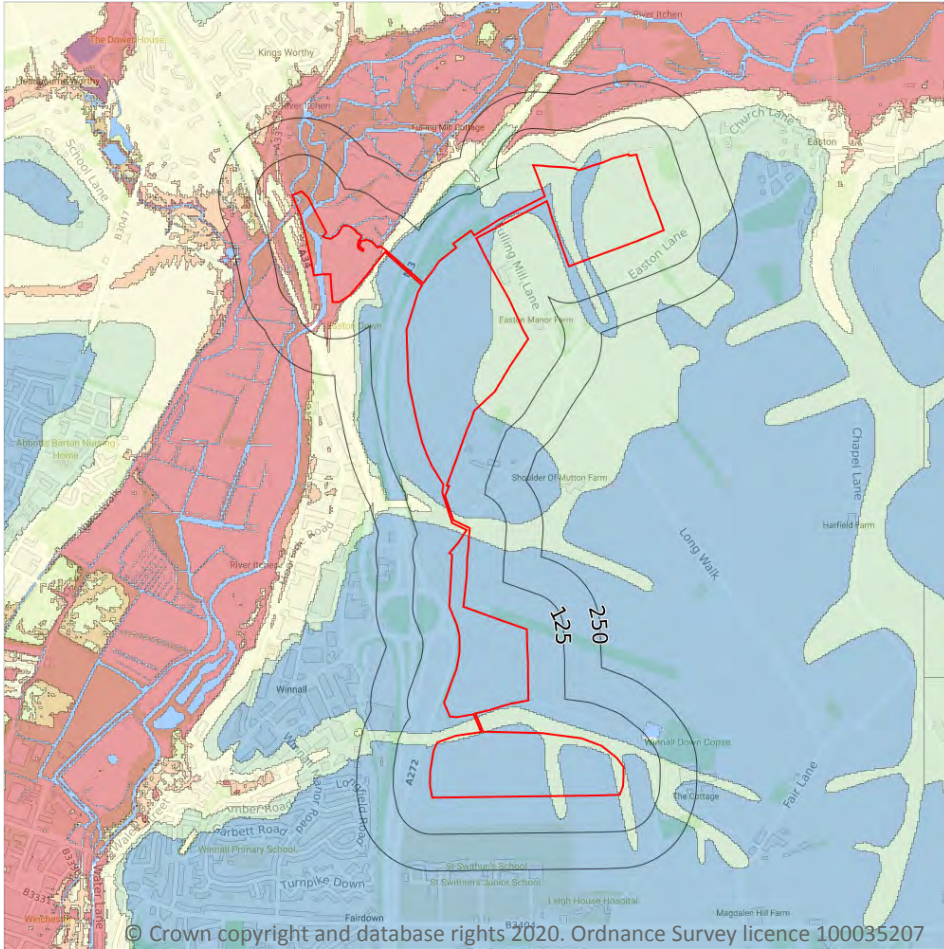
The data shown on the map and in the table above shows the highest likelihood of flood events happening at the site. Lower likelihood events may have greater flood depths and hence a greater potential impact on a site.

The table below shows the maximum flood depths for a range of return periods for the site.

Return period	Maximum modelled depth
1 in 1000 year	Greater than 1.0m
1 in 250 year	Greater than 1.0m
1 in 100 year	Greater than 1.0m
1 in 30 year	Greater than 1.0m

This data is sourced from Ambiental Risk Analytics.

9 Groundwater flooding



9.1 Groundwater flooding

Highest risk on site

High

Highest risk within 50m

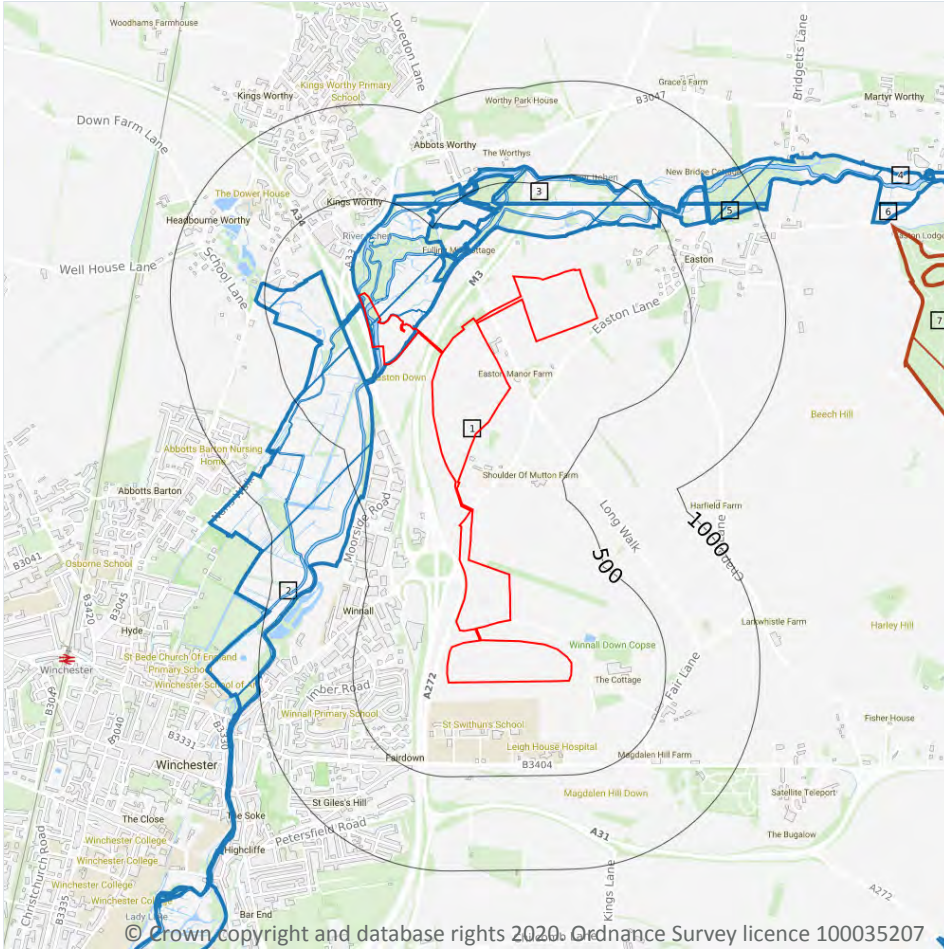
High

Groundwater flooding is caused by unusually high groundwater levels. It occurs when the water table rises above the ground surface or within underground structures such as basements or cellars. Groundwater flooding tends to exhibit a longer duration than surface water flooding, possibly lasting for weeks or months, and as a result it can cause significant damage to property. This risk assessment is based on a 1 in 100 year return period and a 5m Digital Terrain Model (DTM).

Features are displayed on the Groundwater flooding map on **page 101**

This data is sourced from Ambiental Risk Analytics.

10 Environmental designations



- Site Outline
- Search buffers in metres (m)
- Sites of Special Scientific Interest (SSSI)
- + Special Areas of Conservation (SAC)
- Designated Ancient Woodland

10.1 Sites of Special Scientific Interest (SSSI)

Records within 2000m

5

Sites providing statutory protection for the best examples of UK flora, fauna, or geological or physiographical features. Originally notified under the National Parks and Access to the Countryside Act 1949, SSSIs were re-notified under the Wildlife and Countryside Act 1981. Improved provisions for the protection and management of SSSIs were introduced by the Countryside and Rights of Way Act 2000 (in England and Wales) and (in Scotland) by the Nature Conservation (Scotland) Act 2004 and the Wildlife and Natural Environment (Scotland) Act 2010.

Features are displayed on the Environmental designations map on **page 102**

ID	Location	Name	Data source
2	On site	River Itchen	Natural England



ID	Location	Name	Data source
3	348m N	River Itchen	Natural England
4	637m NE	River Itchen	Natural England
5	732m E	River Itchen	Natural England
6	1548m E	River Itchen	Natural England

This data is sourced from Natural England, Natural Resources Wales and Scottish Natural Heritage.

10.2 Conserved wetland sites (Ramsar sites)

Records within 2000m	0
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Ramsar sites are designated under the Convention on Wetlands of International Importance, agreed in Ramsar, Iran, in 1971. They cover all aspects of wetland conservation and wise use, recognizing wetlands as ecosystems that are extremely important for biodiversity conservation in general and for the well-being of human communities. These sites cover a broad definition of wetland; marsh, fen, peatland or water, whether natural or artificial, permanent or temporary, with water that is static or flowing, fresh, brackish or salt, and even some marine areas.

This data is sourced from Natural England, Natural Resources Wales and Scottish Natural Heritage.

10.3 Special Areas of Conservation (SAC)

Records within 2000m	1
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Areas which have been identified as best representing the range and variety within the European Union of habitats and (non-bird) species listed on Annexes I and II to the Directive. SACs are designated under the EC Habitats Directive.

Features are displayed on the Environmental designations map on **page 102**

ID	Location	Name	Features of interest	Habitat description	Data source
1	On site	River Itchen	Rivers with floating vegetation often dominated by water-crowfoot; Sea lamprey; Brook lamprey; River lamprey; Atlantic salmon; Bullhead; Desmoulin's whorl snail; Southern damselfly; White-clawed (or Atlantic stream) crayfish; Otter.	Mixed woodland; Humid grassland, Mesophile grassland; Broad-leaved deciduous woodland; Improved grassland; Bogs, Marshes, Water fringed vegetation, Fens; Inland water bodies (Standing water, Running water); Non-forest areas cultivated with woody plants (including Orchards, groves, Vineyards, Dehesas)	Natural England

This data is sourced from Natural England, Natural Resources Wales and Scottish Natural Heritage.

10.4 Special Protection Areas (SPA)

Records within 2000m

0

Sites classified by the UK Government under the EC Birds Directive, SPAs are areas of the most important habitat for rare (listed on Annex I to the Directive) and migratory birds within the European Union.

This data is sourced from Natural England, Natural Resources Wales and Scottish Natural Heritage.

10.5 National Nature Reserves (NNR)

Records within 2000m

0

Sites containing examples of some of the most important natural and semi-natural terrestrial and coastal ecosystems in Great Britain. They are managed to conserve their habitats, provide special opportunities for scientific study or to provide public recreation compatible with natural heritage interests.

This data is sourced from Natural England, Natural Resources Wales and Scottish Natural Heritage.

10.6 Local Nature Reserves (LNR)

Records within 2000m

0

Sites managed for nature conservation, and to provide opportunities for research and education, or simply enjoying and having contact with nature. They are declared by local authorities under the National Parks and Access to the Countryside Act 1949 after consultation with the relevant statutory nature conservation agency.

This data is sourced from Natural England, Natural Resources Wales and Scottish Natural Heritage.

10.7 Designated Ancient Woodland

Records within 2000m

3

Ancient woodlands are classified as areas which have been wooded continuously since at least 1600 AD. This includes semi-natural woodland and plantations on ancient woodland sites. 'Wooded continuously' does not mean there is or has previously been continuous tree cover across the whole site, and not all trees within the woodland have to be old.

Features are displayed on the Environmental designations map on **page 102**

ID	Location	Name	Woodland Type
7	1645m E	Beech Hill	Ancient & Semi-Natural Woodland
8	1743m E	Unknown	Ancient & Semi-Natural Woodland
-	1994m E	Unknown	Ancient & Semi-Natural Woodland

This data is sourced from Natural England, Natural Resources Wales and Scottish Natural Heritage.

10.8 Biosphere Reserves

Records within 2000m

0

Biosphere Reserves are internationally recognised by UNESCO as sites of excellence to balance conservation and socioeconomic development between nature and people. They are recognised under the Man and the Biosphere (MAB) Programme with the aim of promoting sustainable development founded on the work of the local community.

This data is sourced from Natural England, Natural Resources Wales and Scottish Natural Heritage.

10.9 Forest Parks

Records within 2000m

0

These are areas managed by the Forestry Commission designated on the basis of recreational, conservation or scenic interest.

This data is sourced from the Forestry Commission.

10.10 Marine Conservation Zones

Records within 2000m

0

A type of marine nature reserve in UK waters established under the Marine and Coastal Access Act (2009). They are designated with the aim to protect nationally important, rare or threatened habitats and species.

This data is sourced from Natural England, Natural Resources Wales and Scottish Natural Heritage.

10.11 Green Belt

Records within 2000m

0

Areas designated to prevent urban sprawl by keeping land permanently open.

This data is sourced from the Ministry of Housing, Communities and Local Government.

10.12 Proposed Ramsar sites

Records within 2000m

0

Ramsar sites are areas listed as a Wetland of International Importance under the Convention on Wetlands of International Importance especially as Waterfowl Habitat (the Ramsar Convention) 1971. The sites here supplied have a status of 'Proposed' having been identified for potential adoption under the framework.

This data is sourced from Natural England.



10.13 Possible Special Areas of Conservation (pSAC)

Records within 2000m

0

Special Areas of Conservation are areas which have been identified as best representing the range and variety within the European Union of habitats and (non-bird) species listed on Annexes I and II to the Directive. SACs are designated under the EC Habitats Directive. Those sites supplied here are those with a status of 'Possible' having been identified for potential adoption under the framework.

This data is sourced from Natural England and Natural Resources Wales.

10.14 Potential Special Protection Areas (pSPA)

Records within 2000m

0

Special Protection Areas (SPAs) are areas designated (or 'classified') under the European Union Wild Birds Directive for the protection of nationally and internationally important populations of wild birds. Those sites supplied here are those with a status of 'Potential' having been identified for potential adoption under the framework.

This data is sourced from Natural England.

10.15 Nitrate Sensitive Areas

Records within 2000m

0

Areas where nitrate concentrations in drinking water sources exceeded or was at risk of exceeding the limit of 50 mg/l set by the 1980 EC Drinking Water Directive. Voluntary agricultural measures as a means of reducing the levels of nitrate were introduced by DEFRA as MAFF, with payments being made to farmers who complied. The scheme was started as a pilot in 1990 in ten areas, later implemented within 32 areas. The scheme was closed to further new entrants in 1998, although existing agreements continued for their full term. All Nitrate Sensitive Areas fell within the areas designated as Nitrate Vulnerable Zones (NVZs) in 1996 under the EC Nitrate Directive (91/676/EEC).

This data is sourced from Natural England.

10.16 Nitrate Vulnerable Zones

Records within 2000m

3

Areas at risk from agricultural nitrate pollution designated under the EC Nitrate Directive (91/676/EEC). These are areas of land that drain into waters polluted by nitrates. Farmers operating within these areas have to follow mandatory rules to tackle nitrate loss from agriculture.

Location	Name	Type	NVZ ID	Status
On site	Hampshire Chalk	Groundwater	G143	Existing

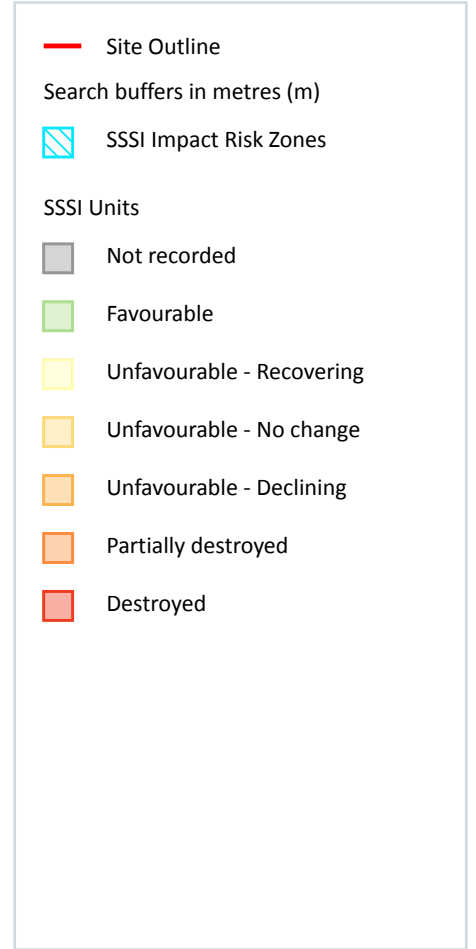
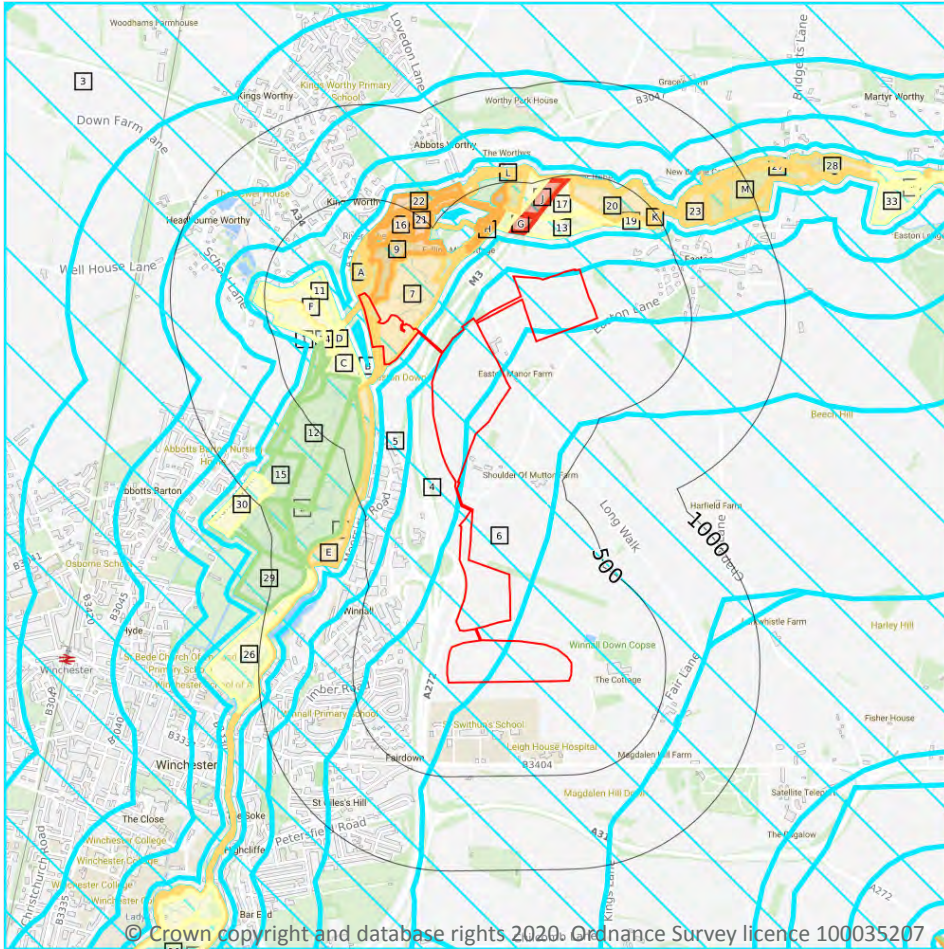


Location	Name	Type	NVZ ID	Status
On site	Hamble Estuary Eutrophic NVZ (TraC)	Eutrophic Water	ET3	Existing
161m NW	Nun's Walk Stream NVZ	Surface Water	S812	New

This data is sourced from Natural England and Natural Resources Wales.



SSSI Impact Zones and Units



10.17 SSSI Impact Risk Zones

Records on site

7

Developed to allow rapid initial assessment of the potential risks to SSSIs posed by development proposals. They define zones around each SSSI which reflect the particular sensitivities of the features for which it is notified and indicate the types of development proposal which could potentially have adverse impacts.

Features are displayed on the SSSI Impact Zones and Units map on **page 108**

ID	Location	Type of developments requiring consultation
1	On site	All applications - All Planning Applications - Except Householder Applications. Notes: SOLENT NUTRIENT IMPACT AREA. For new development with overnight accommodation Reg 63 of the Conservation of Habitats and Species Regulations 2017 must be applied. LPA to refer to Natural England's Solent Nutrient Neutrality Advice Note June 2019.

ID	Location	Type of developments requiring consultation
2	On site	All applications - All Planning Applications.
3	On site	<p>Infrastructure - Pipelines, pylons and overhead cables. Any transport proposal including road, rail and by water (excluding routine maintenance). Airports, helipads and other aviation proposals</p> <p>Minerals, Oil and Gas - Planning applications for quarries, including: new proposals, Review of Minerals Permissions (ROMP), extensions, variations to conditions etc. Oil & gas exploration/extraction.</p> <p>Rural non-residential - Large non residential developments outside existing settlements/urban areas where footprint exceeds 1ha.</p> <p>Rural residential - Any residential development of 100 or more houses outside existing settlements/urban areas.</p> <p>Air pollution - Any industrial/agricultural development that could cause AIR POLLUTION (incl: industrial processes, livestock & poultry units with floorspace > 500m², slurry lagoons > 200m² & manure stores > 250t).</p> <p>Combustion - General combustion processes >20MW energy input. Incl: energy from waste incineration, other incineration, landfill gas generation plant, pyrolysis/gasification, anaerobic digestion, sewage treatment works, other incineration/ combustion</p> <p>Waste - Landfill. Incl: inert landfill, non-hazardous landfill, hazardous landfill.</p> <p>Composting - Any composting proposal with more than 75000 tonnes maximum annual operational throughput. Incl: open windrow composting, in-vessel composting, anaerobic digestion, other waste management</p> <p>Discharges - Any discharge of water or liquid waste that is discharged to ground (ie to seep away) or to surface water, such as a beck or stream.</p> <p>Water supply - Large infrastructure such as warehousing / industry where total net additional gross internal floorspace following development is 1,000m² or more.</p> <p>Notes: SOLENT NUTRIENT IMPACT AREA. For new development with overnight accommodation Reg 63 of the Conservation of Habitats and Species Regulations 2017 must be applied. LPA to refer to Natural England's Solent Nutrient Neutrality Advice Note June 2019.</p>

ID	Location	Type of developments requiring consultation
4	On site	<p>Infrastructure - Pipelines, pylons and overhead cables. Any transport proposal including road, rail and by water (excluding routine maintenance). Airports, helipads and other aviation proposals</p> <p>Wind and Solar - Solar schemes with footprint > 0.5ha, all wind turbines</p> <p>Minerals, Oil and Gas - Planning applications for quarries, including: new proposals, Review of Minerals Permissions (ROMP), extensions, variations to conditions etc. Oil & gas exploration/extraction.</p> <p>Rural non-residential - Large non residential developments outside existing settlements/urban areas where net additional gross internal floorspace is > 1,000m² or footprint exceeds 0.2ha</p> <p>Residential - Residential development of 100 units or more.</p> <p>Rural residential - Any residential development of 10 or more houses outside existing settlements/urban areas.</p> <p>Air pollution - Any development that could cause AIR POLLUTION (incl: industrial/commercial processes, livestock & poultry units, slurry lagoons/manure stores).</p> <p>Combustion - All general combustion processes. Incl: energy from waste incineration, other incineration, landfill gas generation plant, pyrolysis/gasification, anaerobic digestion, sewage treatment works, other incineration/ combustion.</p> <p>Waste - Mechanical and biological waste treatment, inert landfill, non-hazardous landfill, hazardous landfill, household civic amenity recycling facilities construction, demolition and excavation waste, other waste management</p> <p>Composting - Any composting proposal. Incl: open windrow composting, in-vessel composting, anaerobic digestion, other waste management.</p> <p>Discharges - Any discharge of water or liquid waste that is discharged to ground (ie to seep away) or to surface water, such as a beck or stream.</p> <p>Water supply - Large infrastructure such as warehousing / industry where net additional gross internal floorspace is > 1,000m² or any development needing its own water supply</p> <p>Notes: SOLENT NUTRIENT IMPACT AREA. For new development with overnight accommodation Reg 63 of the Conservation of Habitats and Species Regulations 2017 must be applied. LPA to refer to Natural England's Solent Nutrient Neutrality Advice Note June 2019.</p>

ID	Location	Type of developments requiring consultation
5	On site	<p>All applications - All Planning Applications (Except Householder) Outside Or Extending Outside Existing Settlements/urban Areas Affecting Greenspace, Farmland, Semi Natural Habitats Or Landscape Features Such As Trees, Hedges, Streams, Rural Buildings/structures</p> <p>Infrastructure - Pipelines, pylons and overhead cables. Any transport proposal including road, rail and by water (excluding routine maintenance). Airports, helipads and other aviation proposals</p> <p>Wind and Solar - Solar schemes with footprint > 0.5ha, all wind turbines</p> <p>Minerals, Oil and Gas - Planning applications for quarries, including: new proposals, Review of Minerals Permissions (ROMP), extensions, variations to conditions etc. Oil & gas exploration/extraction.</p> <p>Rural non-residential - Large non residential developments outside existing settlements/urban areas where net additional gross internal floorspace is > 1,000m² or footprint exceeds 0.2ha</p> <p>Residential - Residential development of 10 units or more.</p> <p>Rural residential - Any residential developments outside of existing settlements/urban areas with a total net gain in residential units</p> <p>Air pollution - Any development that could cause AIR POLLUTION or DUST either in its construction or operation (incl: industrial/commercial processes, livestock & poultry units, slurry lagoons/manure stores).</p> <p>Combustion - All general combustion processes. Incl: energy from waste incineration, other incineration, landfill gas generation plant, pyrolysis/gasification, anaerobic digestion, sewage treatment works, other incineration/ combustion.</p> <p>Waste - Mechanical and biological waste treatment, inert landfill, non-hazardous landfill, hazardous landfill, household civic amenity recycling facilities construction, demolition and excavation waste, other waste management</p> <p>Composting - Any composting proposal. Incl: open windrow composting, in-vessel composting, anaerobic digestion, other waste management.</p> <p>Discharges - Any discharge of water or liquid waste that is discharged to ground (ie to seep away) or to surface water, such as a beck or stream.</p> <p>Water supply - Large infrastructure such as warehousing / industry where net additional gross internal floorspace is > 1,000m² or any development needing its own water supply</p> <p>Notes: SOLENT NUTRIENT IMPACT AREA. For new development with overnight accommodation Reg 63 of the Conservation of Habitats and Species Regulations 2017 must be applied. LPA to refer to Natural England's Solent Nutrient Neutrality Advice Note June 2019.</p>

ID	Location	Type of developments requiring consultation
6	On site	<p>Infrastructure - Pipelines, pylons and overhead cables. Any transport proposal including road, rail and by water (excluding routine maintenance). Airports, helipads and other aviation proposals</p> <p>Wind and Solar - Wind turbines.</p> <p>Minerals, Oil and Gas - Planning applications for quarries, including: new proposals, Review of Minerals Permissions (ROMP), extensions, variations to conditions etc. Oil & gas exploration/extraction.</p> <p>Rural non-residential - Large non residential developments outside existing settlements/urban areas where net additional gross internal floorspace is > 1,000m² or footprint exceeds 0.2ha</p> <p>Residential - Residential development of 100 units or more.</p> <p>Rural residential - Any residential development of 50 or more houses outside existing settlements/urban areas.</p> <p>Air pollution - Any industrial/agricultural development that could cause AIR POLLUTION (incl: industrial processes, livestock & poultry units with floorspace > 500m², slurry lagoons > 200m² & manure stores > 250t).</p> <p>Combustion - General combustion processes >20MW energy input. Incl: energy from waste incineration, other incineration, landfill gas generation plant, pyrolysis/gasification, anaerobic digestion, sewage treatment works, other incineration/ combustion</p> <p>Waste - Landfill. Incl: inert landfill, non-hazardous landfill, hazardous landfill.</p> <p>Composting - Any composting proposal with more than 500 tonnes maximum annual operational throughput. Incl: open windrow composting, in-vessel composting, anaerobic digestion, other waste management.</p> <p>Discharges - Any discharge of water or liquid waste that is discharged to ground (ie to seep away) or to surface water, such as a beck or stream.</p> <p>Water supply - Large infrastructure such as warehousing / industry where net additional gross internal floorspace is > 1,000m² or any development needing its own water supply</p> <p>Notes: SOLENT NUTRIENT IMPACT AREA. For new development with overnight accommodation Reg 63 of the Conservation of Habitats and Species Regulations 2017 must be applied. LPA to refer to Natural England's Solent Nutrient Neutrality Advice Note June 2019.</p>
B	On site	<p>All applications - All Planning Applications - Except Householder Applications.</p> <p>Notes: SOLENT NUTRIENT IMPACT AREA. For new development with overnight accommodation Reg 63 of the Conservation of Habitats and Species Regulations 2017 must be applied. LPA to refer to Natural England's Solent Nutrient Neutrality Advice Note June 2019.</p>

This data is sourced from Natural England.

10.18 SSSI Units

Records within 2000m

56

Divisions of SSSIs used to record management and condition details. Units are the smallest areas for which Natural England gives a condition assessment, however, the size of units varies greatly depending on the types of management and the conservation interest.

Features are displayed on the SSSI Impact Zones and Units map on **page 108**



ID: 7
 Location: On site
 SSSI name: River Itchen
 Unit name: Formerly Unit 30 Cheriton To Kingsworthy
 Broad habitat: Neutral Grassland - Lowland
 Condition: Unfavourable - No change
 Reportable features:

Feature name	Feature condition	Date of assessment
Floodplain fen (lowland)	Unfavourable - No change	06/11/2012
Invert. assemblage W314 reed-fen & pools	-	-
Lowland neutral grassland (MG8)	Unfavourable - No change	06/11/2012
S1355 Otter, Lutra lutra	Unfavourable - No change	06/11/2012

ID: 8
 Location: On site
 SSSI name: River Itchen
 Unit name: Middle Itchen (Easton To Highbridge)
 Broad habitat: Rivers And Streams
 Condition: Unfavourable - No change
 Reportable features:

Feature name	Feature condition	Date of assessment
Atlantic salmon, <i>Salmo salar</i>	Not Recorded	01/01/1900
Brook lamprey, <i>Lampetra planeri</i>	Unfavourable - No change	13/02/2019
Bullhead, <i>Cottus gobio</i>	Not Recorded	01/01/1900
H3260 Water courses of plain to montane levels with <i>R. fluitantis</i>	Unfavourable - No change	30/03/2010
Invert. assemblage W314 reed-fen & pools	-	-
Otter, <i>Lutra lutra</i>	Not Recorded	01/01/1900
Rivers and Streams	Not Recorded	01/01/1900
S1044 Southern damselfly, <i>Coenagrion mercuriale</i>	Unfavourable - No change	15/01/2007
S1096 Brook lamprey, <i>Lampetra planeri</i>	Unfavourable - No change	13/02/2019
S1106 Atlantic salmon, <i>Salmo salar</i>	Unfavourable - No change	15/01/2007
S1163 Bullhead, <i>Cottus gobio</i>	Favourable	15/01/2007
S1355 Otter, <i>Lutra lutra</i>	Unfavourable - Recovering	30/03/2010

ID: A
 Location: On site
 SSSI name: River Itchen
 Unit name: Formerly Unit 30 Cheriton To Kingsworthy
 Broad habitat: Broadleaved, Mixed And Yew Woodland - Lowland
 Condition: Unfavourable - No change
 Reportable features:

Feature name	Feature condition	Date of assessment
Otter, Lutra lutra	Not Recorded	01/01/1900
Wet woodland	Not Recorded	01/01/1900

ID: A
 Location: On site
 SSSI name: River Itchen
 Unit name: Formerly Unit 30 Cheriton To Kingsworthy
 Broad habitat: Broadleaved, Mixed And Yew Woodland - Lowland
 Condition: Unfavourable - No change
 Reportable features:

Feature name	Feature condition	Date of assessment
Otter, Lutra lutra	Not Recorded	01/01/1900
Wet woodland	Not Recorded	01/01/1900

ID: B
 Location: On site
 SSSI name: River Itchen
 Unit name: Formerly Unit 30 Cheriton To Kingsworthy
 Broad habitat: Neutral Grassland - Lowland
 Condition: Unfavourable - No change
 Reportable features:

Feature name	Feature condition	Date of assessment
Floodplain fen (lowland)	Unfavourable - No change	06/11/2012
Invert. assemblage W314 reed-fen & pools	-	-
Lowland neutral grassland (MG8)	Unfavourable - No change	06/11/2012
S1355 Otter, Lutra lutra	Unfavourable - No change	06/11/2012

ID: 9
Location: 19m NE
SSSI name: River Itchen
Unit name: Abbots Worthy Fen West
Broad habitat: Fen, Marsh And Swamp - Lowland
Condition: Unfavourable - Declining
Reportable features:

Feature name	Feature condition	Date of assessment
Floodplain fen (lowland)	Not Recorded	01/01/1900
Invert. assemblage W314 reed-fen & pools	-	-
Lowland neutral grassland (MG8)	Unfavourable - Declining	01/04/2009
Otter, Lutra lutra	Favourable	30/08/2007

ID: C
Location: 107m SW
SSSI name: River Itchen
Unit name: Winnall Moors Northern Fen
Broad habitat: Broadleaved, Mixed And Yew Woodland - Lowland
Condition: Unfavourable - Recovering
Reportable features:

Feature name	Feature condition	Date of assessment
Floodplain fen (lowland)	Unfavourable - Recovering	01/10/2010
Invert. assemblage W314 reed-fen & pools	-	-

ID: D
Location: 124m W
SSSI name: River Itchen
Unit name: Unit 123 (Formerly Parts Of Unit 59 & 60)
Broad habitat: Broadleaved, Mixed And Yew Woodland - Lowland
Condition: Unfavourable - Recovering
Reportable features:

Feature name	Feature condition	Date of assessment
Invert. assemblage W314 reed-fen & pools	-	-
Lowland mixed deciduous woodland	Unfavourable - Recovering	29/06/2010

ID: 11
Location: 140m W
SSSI name: River Itchen
Unit name: Unit 124 (Formerly Part Of Unit 60 River Itchen)
Broad habitat: Neutral Grassland - Lowland
Condition: Unfavourable - Recovering
Reportable features:

Feature name	Feature condition	Date of assessment
Lowland neutral grassland (MG8)	Unfavourable - Recovering	23/07/2013

ID: E
Location: 145m SW
SSSI name: River Itchen
Unit name: Winnall Fen East Of River Itchen
Broad habitat: Broadleaved, Mixed And Yew Woodland - Lowland
Condition: Unfavourable - No change
Reportable features:

Feature name	Feature condition	Date of assessment
Floodplain fen (lowland)	Not Recorded	01/01/1900
Invert. assemblage W314 reed-fen & pools	-	-
Wet woodland	Not Recorded	01/01/1900

ID: 12
Location: 159m SW
SSSI name: River Itchen
Unit name: Winnall Moors Northwest Meadows
Broad habitat: Neutral Grassland - Lowland
Condition: Favourable
Reportable features:

Feature name	Feature condition	Date of assessment
Assemblages of breeding birds - Lowland open waters and their margins	Favourable	31/05/2018
Floodplain fen (lowland)	Favourable	31/05/2018
Invert. assemblage W314 reed-fen & pools	-	-
Lowland neutral grassland (MG8)	Favourable	31/05/2018

ID: D
Location: 161m W
SSSI name: River Itchen
Unit name: Unit 123 (Formerly Parts Of Unit 59 & 60)
Broad habitat: Broadleaved, Mixed And Yew Woodland - Lowland
Condition: Unfavourable - Recovering
Reportable features:

Feature name	Feature condition	Date of assessment
Invert. assemblage W314 reed-fen & pools	-	-
Lowland mixed deciduous woodland	Unfavourable - Recovering	29/06/2010

ID: F
Location: 164m W
SSSI name: River Itchen
Unit name: Pudding House Farm
Broad habitat: Fen, Marsh And Swamp - Lowland
Condition: Unfavourable - Recovering
Reportable features:

Feature name	Feature condition	Date of assessment
Floodplain fen (lowland)	Unfavourable - Recovering	09/06/2011
Invert. assemblage W314 reed-fen & pools	-	-
Lowland neutral grassland (MG8)	Unfavourable - Recovering	09/06/2011

ID: 13
Location: 183m N
SSSI name: River Itchen
Unit name: Formerly Unit 29 Cheriton To Kingsworthy
Broad habitat: Fen, Marsh And Swamp - Lowland
Condition: Unfavourable - Recovering
Reportable features:

Feature name	Feature condition	Date of assessment
Floodplain fen (lowland)	Unfavourable - Recovering	13/05/2014
Invert. assemblage W314 reed-fen & pools	-	-
Wet woodland	Unfavourable - Recovering	13/05/2014

ID: E
 Location: 211m SW
 SSSI name: River Itchen
 Unit name: Winnall Moors Northeast Fields
 Broad habitat: Neutral Grassland - Lowland
 Condition: Favourable
 Reportable features:

Feature name	Feature condition	Date of assessment
Assemblages of breeding birds - Lowland open waters and their margins	Favourable	19/06/2012
Invert. assemblage W314 reed-fen & pools	-	-
Lowland neutral grassland (MG8)	Favourable	19/06/2012

ID: 14
 Location: 230m W
 SSSI name: River Itchen
 Unit name: Middle Itchen (Easton To Highbridge)
 Broad habitat: Rivers And Streams
 Condition: Unfavourable - No change
 Reportable features:

Feature name	Feature condition	Date of assessment
Atlantic salmon, <i>Salmo salar</i>	Not Recorded	01/01/1900
Brook lamprey, <i>Lampetra planeri</i>	Unfavourable - No change	13/02/2019
Bullhead, <i>Cottus gobio</i>	Not Recorded	01/01/1900
H3260 Water courses of plain to montane levels with <i>R. fluitantis</i>	Unfavourable - No change	30/03/2010
Invert. assemblage W314 reed-fen & pools	-	-
Otter, <i>Lutra lutra</i>	Not Recorded	01/01/1900
Rivers and Streams	Not Recorded	01/01/1900
S1044 Southern damselfly, <i>Coenagrion mercuriale</i>	Unfavourable - No change	15/01/2007
S1096 Brook lamprey, <i>Lampetra planeri</i>	Unfavourable - No change	13/02/2019
S1106 Atlantic salmon, <i>Salmo salar</i>	Unfavourable - No change	15/01/2007
S1163 Bullhead, <i>Cottus gobio</i>	Favourable	15/01/2007
S1355 Otter, <i>Lutra lutra</i>	Unfavourable - Recovering	30/03/2010

ID: G
 Location: 233m N
 SSSI name: River Itchen
 Unit name: Formerly Part Of Unit 52
 Broad habitat: Neutral Grassland - Lowland
 Condition: Destroyed
 Reportable features:

Feature name	Feature condition	Date of assessment
Invert. assemblage W314 reed-fen & pools	-	-
Lowland neutral grassland (MG8)	Destroyed	24/07/2013

ID: F
 Location: 234m W
 SSSI name: River Itchen
 Unit name: Pudding House Farm
 Broad habitat: Fen, Marsh And Swamp - Lowland
 Condition: Unfavourable - Recovering
 Reportable features:

Feature name	Feature condition	Date of assessment
Floodplain fen (lowland)	Unfavourable - Recovering	09/06/2011
Invert. assemblage W314 reed-fen & pools	-	-
Lowland neutral grassland (MG8)	Unfavourable - Recovering	09/06/2011

ID: 15
 Location: 240m W
 SSSI name: River Itchen
 Unit name: Winnall Moors Northwest Meadows
 Broad habitat: Neutral Grassland - Lowland
 Condition: Favourable
 Reportable features:

Feature name	Feature condition	Date of assessment
Assemblages of breeding birds - Lowland open waters and their margins	Favourable	31/05/2018
Floodplain fen (lowland)	Favourable	31/05/2018
Invert. assemblage W314 reed-fen & pools	-	-
Lowland neutral grassland (MG8)	Favourable	31/05/2018



ID: G
 Location: 247m N
 SSSI name: River Itchen
 Unit name: Formerly Unit 29 Cheriton To Kingsworthy
 Broad habitat: Fen, Marsh And Swamp - Lowland
 Condition: Unfavourable - Recovering
 Reportable features:

Feature name	Feature condition	Date of assessment
Floodplain fen (lowland)	Unfavourable - Recovering	13/05/2014
Invert. assemblage W314 reed-fen & pools	-	-
Wet woodland	Unfavourable - Recovering	13/05/2014

ID: 16
 Location: 257m N
 SSSI name: River Itchen
 Unit name: Abbots Worthy Fen West
 Broad habitat: Fen, Marsh And Swamp - Lowland
 Condition: Unfavourable - Declining
 Reportable features:

Feature name	Feature condition	Date of assessment
Floodplain fen (lowland)	Not Recorded	01/01/1900
Invert. assemblage W314 reed-fen & pools	-	-
Lowland neutral grassland (MG8)	Unfavourable - Declining	01/04/2009
Otter, Lutra lutra	Favourable	30/08/2007

ID: D
 Location: 260m W
 SSSI name: River Itchen
 Unit name: Winnall Moors Northwest Meadows
 Broad habitat: Neutral Grassland - Lowland
 Condition: Favourable
 Reportable features:

Feature name	Feature condition	Date of assessment
Assemblages of breeding birds - Lowland open waters and their margins	Favourable	31/05/2018
Floodplain fen (lowland)	Favourable	31/05/2018



Feature name	Feature condition	Date of assessment
Invert. assemblage W314 reed-fen & pools	-	-
Lowland neutral grassland (MG8)	Favourable	31/05/2018

ID: H
Location: 263m NW
SSSI name: River Itchen
Unit name: Unit 122 (Formerly Part Of Unit 54 River Itchen)
Broad habitat: Broadleaved, Mixed And Yew Woodland - Lowland
Condition: Unfavourable - Declining
Reportable features:

Feature name	Feature condition	Date of assessment
Invert. assemblage W314 reed-fen & pools	-	-
Wet woodland	Unfavourable - Declining	23/07/2013

ID: D
Location: 265m W
SSSI name: River Itchen
Unit name: Winnall Moors Northwest Meadows
Broad habitat: Neutral Grassland - Lowland
Condition: Favourable
Reportable features:

Feature name	Feature condition	Date of assessment
Assemblages of breeding birds - Lowland open waters and their margins	Favourable	31/05/2018
Floodplain fen (lowland)	Favourable	31/05/2018
Invert. assemblage W314 reed-fen & pools	-	-
Lowland neutral grassland (MG8)	Favourable	31/05/2018

ID: D
Location: 268m W
SSSI name: River Itchen
Unit name: Winnall Moors Northwest Meadows
Broad habitat: Neutral Grassland - Lowland
Condition: Favourable
Reportable features:



Feature name	Feature condition	Date of assessment
Assemblages of breeding birds - Lowland open waters and their margins	Favourable	31/05/2018
Floodplain fen (lowland)	Favourable	31/05/2018
Invert. assemblage W314 reed-fen & pools	-	-
Lowland neutral grassland (MG8)	Favourable	31/05/2018

ID: D
 Location: 268m W
 SSSI name: River Itchen
 Unit name: Winnall Moors Northwest Meadows
 Broad habitat: Neutral Grassland - Lowland
 Condition: Favourable
 Reportable features:

Feature name	Feature condition	Date of assessment
Assemblages of breeding birds - Lowland open waters and their margins	Favourable	31/05/2018
Floodplain fen (lowland)	Favourable	31/05/2018
Invert. assemblage W314 reed-fen & pools	-	-
Lowland neutral grassland (MG8)	Favourable	31/05/2018

ID: D
 Location: 270m W
 SSSI name: River Itchen
 Unit name: Winnall Moors Northwest Meadows
 Broad habitat: Neutral Grassland - Lowland
 Condition: Favourable
 Reportable features:

Feature name	Feature condition	Date of assessment
Assemblages of breeding birds - Lowland open waters and their margins	Favourable	31/05/2018
Floodplain fen (lowland)	Favourable	31/05/2018
Invert. assemblage W314 reed-fen & pools	-	-
Lowland neutral grassland (MG8)	Favourable	31/05/2018



ID: D
Location: 272m W
SSSI name: River Itchen
Unit name: Winnall Moors Northwest Meadows
Broad habitat: Neutral Grassland - Lowland
Condition: Favourable
Reportable features:

Feature name	Feature condition	Date of assessment
Assemblages of breeding birds - Lowland open waters and their margins	Favourable	31/05/2018
Floodplain fen (lowland)	Favourable	31/05/2018
Invert. assemblage W314 reed-fen & pools	-	-
Lowland neutral grassland (MG8)	Favourable	31/05/2018

ID: 17
Location: 283m NE
SSSI name: River Itchen
Unit name: Formerly Unit 29 Cheriton To Kingsworthy
Broad habitat: Neutral Grassland - Lowland
Condition: Unfavourable - Recovering
Reportable features:

Feature name	Feature condition	Date of assessment
Floodplain fen (lowland)	Unfavourable - Recovering	13/05/2014
Invert. assemblage W314 reed-fen & pools	-	-
Lowland mire grassland and rush pasture	Unfavourable - Recovering	13/05/2014

ID: H
Location: 300m NW
SSSI name: River Itchen
Unit name: Formerly Unit 33 Cheriton To Kingsworthy
Broad habitat: Broadleaved, Mixed And Yew Woodland - Lowland
Condition: Unfavourable - Declining
Reportable features:

Feature name	Feature condition	Date of assessment
Floodplain fen (lowland)	Not Recorded	01/01/1900
Invert. assemblage W314 reed-fen & pools	-	-



Feature name	Feature condition	Date of assessment
Wet woodland	Not Recorded	01/01/1900

ID: 19
 Location: 307m NE
 SSSI name: River Itchen
 Unit name: Formerly Unit 29 Cheriton To Kingsworthy
 Broad habitat: Neutral Grassland - Lowland
 Condition: Unfavourable - Recovering
 Reportable features:

Feature name	Feature condition	Date of assessment
Floodplain fen (lowland)	Unfavourable - Recovering	13/05/2014
Invert. assemblage W314 reed-fen & pools	-	-
Lowland mire grassland and rush pasture	Unfavourable - Recovering	13/05/2014

ID: 20
 Location: 315m NE
 SSSI name: River Itchen
 Unit name: Formerly Unit 28 Cheriton To Kingsworthy
 Broad habitat: Neutral Grassland - Lowland
 Condition: Unfavourable - No change
 Reportable features:

Feature name	Feature condition	Date of assessment
Floodplain fen (lowland)	Unfavourable - No change	02/07/2012
Invert. assemblage W314 reed-fen & pools	-	-
Wet woodland	Unfavourable - No change	02/07/2012

ID: J
 Location: 331m NW
 SSSI name: River Itchen
 Unit name: Formerly Part Of Unit 50
 Broad habitat: Neutral Grassland - Lowland
 Condition: Destroyed
 Reportable features:

Feature name	Feature condition	Date of assessment
Invert. assemblage W314 reed-fen & pools	-	-
Upland neutral grassland (MG8)	Destroyed	24/07/2013

ID: J
 Location: 340m N
 SSSI name: River Itchen
 Unit name: Formerly Unit 29 Cheriton To Kingsworthy
 Broad habitat: Neutral Grassland - Lowland
 Condition: Unfavourable - Recovering
 Reportable features:

Feature name	Feature condition	Date of assessment
Floodplain fen (lowland)	Unfavourable - Recovering	13/05/2014
Invert. assemblage W314 reed-fen & pools	-	-
Lowland mire grassland and rush pasture	Unfavourable - Recovering	13/05/2014

ID: J
 Location: 342m N
 SSSI name: River Itchen
 Unit name: Formerly Unit 27 Cheriton To Kingsworthy
 Broad habitat: Broadleaved, Mixed And Yew Woodland - Lowland
 Condition: Unfavourable - No change
 Reportable features:

Feature name	Feature condition	Date of assessment
Floodplain fen (lowland)	Not Recorded	01/01/1900
Invert. assemblage W314 reed-fen & pools	-	-
S1355 Otter, Lutra lutra	Unfavourable - No change	25/03/2009
Wet woodland	Not Recorded	01/01/1900

ID: 21
 Location: 351m N
 SSSI name: River Itchen
 Unit name: Abbots Worthy Fen East
 Broad habitat: Neutral Grassland - Lowland
 Condition: Unfavourable - Declining



Reportable features:

Feature name	Feature condition	Date of assessment
Floodplain fen (lowland)	Unfavourable - Declining	27/06/2012
Invert. assemblage W314 reed-fen & pools	-	-
Lowland neutral grassland (MG8)	Unfavourable - Declining	27/06/2012
S1355 Otter, Lutra lutra	Favourable	27/06/2012

ID: 22
 Location: 366m N
 SSSI name: River Itchen
 Unit name: Abbots Worthy Fen West
 Broad habitat: Fen, Marsh And Swamp - Lowland
 Condition: Unfavourable - Declining
 Reportable features:

Feature name	Feature condition	Date of assessment
Floodplain fen (lowland)	Not Recorded	01/01/1900
Invert. assemblage W314 reed-fen & pools	-	-
Lowland neutral grassland (MG8)	Unfavourable - Declining	01/04/2009
Otter, Lutra lutra	Favourable	30/08/2007

ID: J
 Location: 377m N
 SSSI name: River Itchen
 Unit name: Unit 122 (Formerly Part Of Unit 54 River Itchen)
 Broad habitat: Broadleaved, Mixed And Yew Woodland - Lowland
 Condition: Unfavourable - Declining
 Reportable features:

Feature name	Feature condition	Date of assessment
Invert. assemblage W314 reed-fen & pools	-	-
Wet woodland	Unfavourable - Declining	23/07/2013

ID: K
 Location: 436m NE
 SSSI name: River Itchen
 Unit name: Land By Church Cottage
 Broad habitat: Neutral Grassland - Lowland
 Condition: Unfavourable - No change
 Reportable features:

Feature name	Feature condition	Date of assessment
Lowland neutral grassland (MG8)	Unfavourable - No change	06/07/2012

ID: K
 Location: 527m NE
 SSSI name: River Itchen
 Unit name: Unit 121 (Formerly Part Of Unit 49 River Itchen)
 Broad habitat: Neutral Grassland - Lowland
 Condition: Unfavourable - No change
 Reportable features:

Feature name	Feature condition	Date of assessment
Floodplain fen (lowland)	Unfavourable - No change	23/07/2013
Invert. assemblage W314 reed-fen & pools	-	-

ID: L
 Location: 544m N
 SSSI name: River Itchen
 Unit name: Formerly Unit 27 Cheriton To Kingsworthy
 Broad habitat: Broadleaved, Mixed And Yew Woodland - Lowland
 Condition: Unfavourable - No change
 Reportable features:

Feature name	Feature condition	Date of assessment
Floodplain fen (lowland)	Not Recorded	01/01/1900
Invert. assemblage W314 reed-fen & pools	-	-
S1355 Otter, Lutra lutra	Unfavourable - No change	25/03/2009
Wet woodland	Not Recorded	01/01/1900

ID: L
Location: 566m N
SSSI name: River Itchen
Unit name: Formerly Unit 27 Cheriton To Kingsworthy
Broad habitat: Broadleaved, Mixed And Yew Woodland - Lowland
Condition: Unfavourable - No change
Reportable features:

Feature name	Feature condition	Date of assessment
Floodplain fen (lowland)	Not Recorded	01/01/1900
Invert. assemblage W314 reed-fen & pools	-	-
S1355 Otter, Lutra lutra	Unfavourable - No change	25/03/2009
Wet woodland	Not Recorded	01/01/1900

ID: 23
Location: 595m NE
SSSI name: River Itchen
Unit name: Formerly Unit 26 Cheriton To Kingsworthy
Broad habitat: Broadleaved, Mixed And Yew Woodland - Lowland
Condition: Unfavourable - No change
Reportable features:

Feature name	Feature condition	Date of assessment
Floodplain fen (lowland)	Not Recorded	01/01/1900
Invert. assemblage W314 reed-fen & pools	-	-
Wet woodland	Not Recorded	01/01/1900

ID: M
Location: 732m E
SSSI name: River Itchen
Unit name: Formerly Unit 25 Cheriton To Kingsworthy
Broad habitat: Broadleaved, Mixed And Yew Woodland - Lowland
Condition: Unfavourable - No change
Reportable features:

Feature name	Feature condition	Date of assessment
Floodplain fen (lowland)	Not Recorded	01/01/1900
Invert. assemblage W314 reed-fen & pools	-	-



Feature name	Feature condition	Date of assessment
Wet woodland	Not Recorded	01/01/1900

ID: 26
 Location: 782m W
 SSSI name: River Itchen
 Unit name: Winnall Moors Southern Fen
 Broad habitat: Fen, Marsh And Swamp - Lowland
 Condition: Unfavourable - Recovering
 Reportable features:

Feature name	Feature condition	Date of assessment
Assemblages of breeding birds - Lowland open waters and their margins	Unfavourable - Recovering	29/06/2011
Floodplain fen (lowland)	Unfavourable - Recovering	29/06/2011
Invert. assemblage W314 reed-fen & pools	-	-

ID: 27
 Location: 788m NE
 SSSI name: River Itchen
 Unit name: Upper Itchen (Itchen Stoke To Easton)
 Broad habitat: Rivers And Streams
 Condition: Unfavourable - No change
 Reportable features:

Feature name	Feature condition	Date of assessment
Atlantic salmon, <i>Salmo salar</i>	Not Recorded	01/01/1900
Brook lamprey, <i>Lampetra planeri</i>	Favourable	13/02/2019
Bullhead, <i>Cottus gobio</i>	Not Recorded	01/01/1900
H3260 Water courses of plain to montane levels with <i>R. fluitantis</i>	Unfavourable - No change	30/03/2010
Invert. assemblage W314 reed-fen & pools	-	-
Otter, <i>Lutra lutra</i>	Not Recorded	01/01/1900
Rivers and Streams	Not Recorded	01/01/1900
S1044 Southern damselfly, <i>Coenagrion mercuriale</i>	Unfavourable - No change	15/01/2007
S1092 Freshwater crayfish, <i>Austropotamobius pallipes</i>	Unfavourable - No change	15/01/2007
S1096 Brook lamprey, <i>Lampetra planeri</i>	Favourable	30/09/2018



Feature name	Feature condition	Date of assessment
S1106 Atlantic salmon, <i>Salmo salar</i>	Unfavourable - No change	15/01/2007
S1163 Bullhead, <i>Cottus gobio</i>	Favourable	15/01/2007
S1355 Otter, <i>Lutra lutra</i>	Unfavourable - Recovering	30/03/2010
White-clawed (or Atlantic stream) crayfish, <i>Austropotamobius pallipes</i>	Not Recorded	01/01/1900

ID: 28
 Location: 790m NE
 SSSI name: River Itchen
 Unit name: Unit 120 (Formerly Part Of Unit 48 River Itchen)
 Broad habitat: Neutral Grassland - Lowland
 Condition: Unfavourable - No change
 Reportable features:

Feature name	Feature condition	Date of assessment
Floodplain fen (lowland)	Unfavourable - No change	23/07/2013
Invert. assemblage W314 reed-fen & pools	-	-
Wet woodland	Unfavourable - No change	23/07/2013

ID: 29
 Location: 823m W
 SSSI name: River Itchen
 Unit name: Winnall Moors Rugby Club Meadow
 Broad habitat: Neutral Grassland - Lowland
 Condition: Favourable
 Reportable features:

Feature name	Feature condition	Date of assessment
Floodplain fen (lowland)	Favourable	19/06/2012
Invert. assemblage W314 reed-fen & pools	-	-

ID: M
 Location: 833m E
 SSSI name: River Itchen
 Unit name: Upper Itchen (Itchen Stoke To Easton)
 Broad habitat: Rivers And Streams
 Condition: Unfavourable - No change



Reportable features:

Feature name	Feature condition	Date of assessment
Atlantic salmon, <i>Salmo salar</i>	Not Recorded	01/01/1900
Brook lamprey, <i>Lampetra planeri</i>	Favourable	13/02/2019
Bullhead, <i>Cottus gobio</i>	Not Recorded	01/01/1900
H3260 Water courses of plain to montane levels with <i>R. fluitantis</i>	Unfavourable - No change	30/03/2010
Invert. assemblage W314 reed-fen & pools	-	-
Otter, <i>Lutra lutra</i>	Not Recorded	01/01/1900
Rivers and Streams	Not Recorded	01/01/1900
S1044 Southern damselfly, <i>Coenagrion mercuriale</i>	Unfavourable - No change	15/01/2007
S1092 Freshwater crayfish, <i>Austropotamobius pallipes</i>	Unfavourable - No change	15/01/2007
S1096 Brook lamprey, <i>Lampetra planeri</i>	Favourable	30/09/2018
S1106 Atlantic salmon, <i>Salmo salar</i>	Unfavourable - No change	15/01/2007
S1163 Bullhead, <i>Cottus gobio</i>	Favourable	15/01/2007
S1355 Otter, <i>Lutra lutra</i>	Unfavourable - Recovering	30/03/2010
White-clawed (or Atlantic stream) crayfish, <i>Austropotamobius pallipes</i>	Not Recorded	01/01/1900

ID: 30
Location: 885m SW
SSSI name: River Itchen
Unit name: Unit 125 (Formerly Part Of Unit 61 River Itchen)
Broad habitat: Neutral Grassland - Lowland
Condition: Unfavourable - Recovering
Reportable features:

Feature name	Feature condition	Date of assessment
Floodplain fen (lowland)	Unfavourable - Recovering	23/07/2013
Invert. assemblage W314 reed-fen & pools	-	-



ID: N
 Location: 1376m E
 SSSI name: River Itchen
 Unit name: Upper Itchen (Itchen Stoke To Easton)
 Broad habitat: Rivers And Streams
 Condition: Unfavourable - No change
 Reportable features:

Feature name	Feature condition	Date of assessment
Atlantic salmon, <i>Salmo salar</i>	Not Recorded	01/01/1900
Brook lamprey, <i>Lampetra planeri</i>	Favourable	13/02/2019
Bullhead, <i>Cottus gobio</i>	Not Recorded	01/01/1900
H3260 Water courses of plain to montane levels with <i>R. fluitantis</i>	Unfavourable - No change	30/03/2010
Invert. assemblage W314 reed-fen & pools	-	-
Otter, <i>Lutra lutra</i>	Not Recorded	01/01/1900
Rivers and Streams	Not Recorded	01/01/1900
S1044 Southern damselfly, <i>Coenagrion mercuriale</i>	Unfavourable - No change	15/01/2007
S1092 Freshwater crayfish, <i>Austropotamobius pallipes</i>	Unfavourable - No change	15/01/2007
S1096 Brook lamprey, <i>Lampetra planeri</i>	Favourable	30/09/2018
S1106 Atlantic salmon, <i>Salmo salar</i>	Unfavourable - No change	15/01/2007
S1163 Bullhead, <i>Cottus gobio</i>	Favourable	15/01/2007
S1355 Otter, <i>Lutra lutra</i>	Unfavourable - Recovering	30/03/2010
White-clawed (or Atlantic stream) crayfish, <i>Austropotamobius pallipes</i>	Not Recorded	01/01/1900

ID: 33
 Location: 1548m E
 SSSI name: River Itchen
 Unit name: Formerly Unit 34 Cheriton To Kingsworthy
 Broad habitat: Fen, Marsh And Swamp - Lowland
 Condition: Unfavourable - Recovering
 Reportable features:

Feature name	Feature condition	Date of assessment
Floodplain fen (lowland)	Unfavourable - Recovering	01/03/2013



ID: N
 Location: 1632m E
 SSSI name: River Itchen
 Unit name: Formerly Unit 34 Cheriton To Kingsworthy
 Broad habitat: Fen, Marsh And Swamp - Lowland
 Condition: Unfavourable - Recovering
 Reportable features:

Feature name	Feature condition	Date of assessment
Floodplain fen (lowland)	Unfavourable - Recovering	01/03/2013

ID: 35
 Location: 1650m SW
 SSSI name: River Itchen
 Unit name: Middle Itchen (Easton To Highbridge)
 Broad habitat: Rivers And Streams
 Condition: Unfavourable - No change
 Reportable features:

Feature name	Feature condition	Date of assessment
Atlantic salmon, <i>Salmo salar</i>	Not Recorded	01/01/1900
Brook lamprey, <i>Lampetra planeri</i>	Unfavourable - No change	13/02/2019
Bullhead, <i>Cottus gobio</i>	Not Recorded	01/01/1900
H3260 Water courses of plain to montane levels with <i>R. fluitantis</i>	Unfavourable - No change	30/03/2010
Invert. assemblage W314 reed-fen & pools	-	-
Otter, <i>Lutra lutra</i>	Not Recorded	01/01/1900
Rivers and Streams	Not Recorded	01/01/1900
S1044 Southern damselfly, <i>Coenagrion mercuriale</i>	Unfavourable - No change	15/01/2007
S1096 Brook lamprey, <i>Lampetra planeri</i>	Unfavourable - No change	13/02/2019
S1106 Atlantic salmon, <i>Salmo salar</i>	Unfavourable - No change	15/01/2007
S1163 Bullhead, <i>Cottus gobio</i>	Favourable	15/01/2007
S1355 Otter, <i>Lutra lutra</i>	Unfavourable - Recovering	30/03/2010

ID: 36
 Location: 1655m SW
 SSSI name: River Itchen
 Unit name: Fallodon Reserve
 Broad habitat: Fen, Marsh And Swamp - Lowland
 Condition: Unfavourable - Recovering
 Reportable features:

Feature name	Feature condition	Date of assessment
Floodplain fen (lowland)	Unfavourable - Recovering	27/07/2011
Invert. assemblage W314 reed-fen & pools	-	-

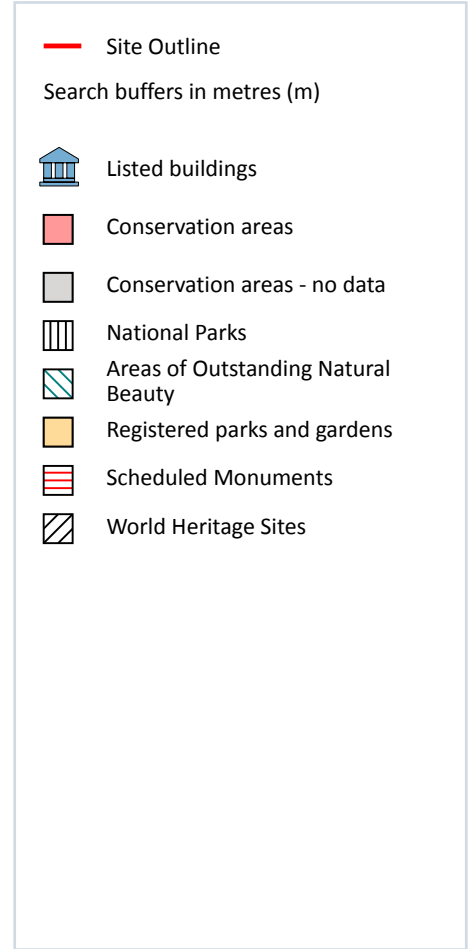
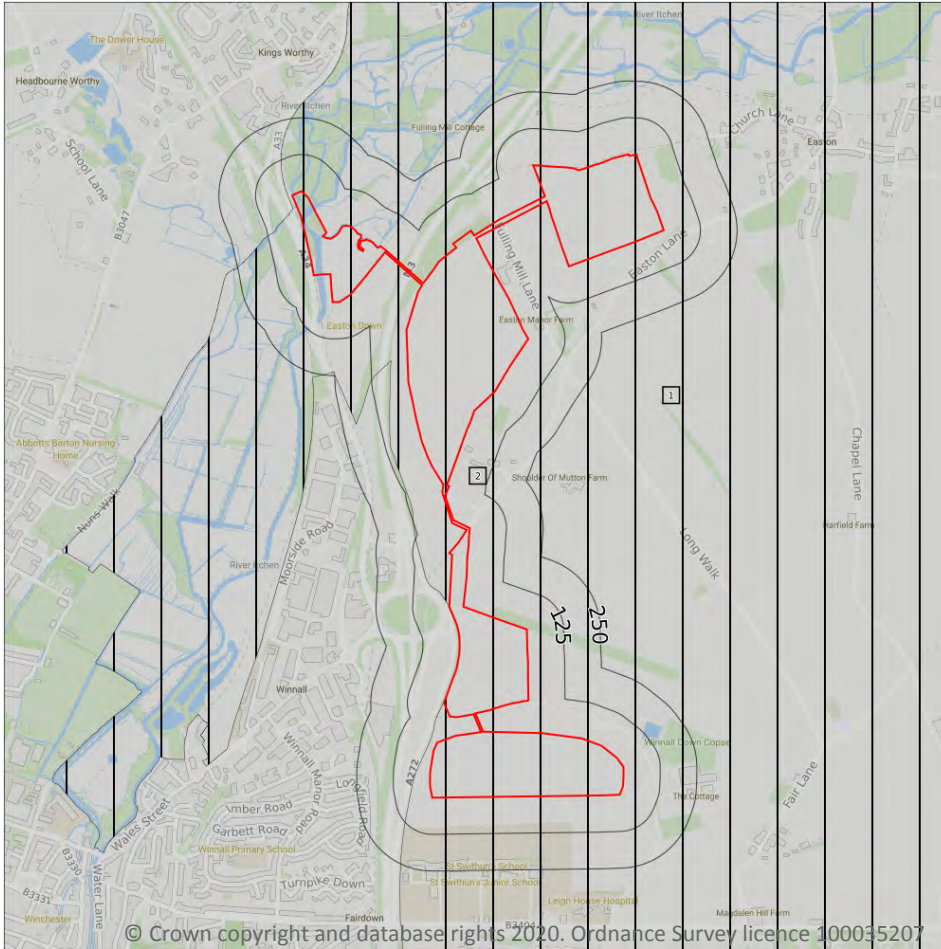
ID: 38
 Location: 1928m E
 SSSI name: River Itchen
 Unit name: Lower Chilland House
 Broad habitat: Broadleaved, Mixed And Yew Woodland - Lowland
 Condition: Unfavourable - Recovering
 Reportable features:

Feature name	Feature condition	Date of assessment
Floodplain fen (lowland)	Unfavourable - Recovering	25/07/2012

This data is sourced from Natural England and Natural Resources Wales.



11 Visual and cultural designations



11.1 World Heritage Sites

Records within 250m

0

Sites designated for their globally important cultural or natural interest requiring appropriate management and protection measures. World Heritage Sites are designated to meet the UK's commitments under the World Heritage Convention.

This data is sourced from Historic England, Cadw and Historic Environment Scotland.

11.2 Area of Outstanding Natural Beauty

Records within 250m

0

Areas of Outstanding Natural Beauty (AONB) are conservation areas, chosen because they represent 18% of the finest countryside. Each AONB has been designated for special attention because of the quality of their flora, fauna, historical and cultural associations, and/or scenic views. The National Parks and Access to the Countryside Act of 1949 created AONBs and the Countryside and Rights of Way Act, 2000 added further regulation and protection. There are likely to be restrictions to some developments within these areas.

This data is sourced from Natural England, Natural Resources Wales and Scottish Natural Heritage.

11.3 National Parks

Records within 250m

1

In England and Wales, the purpose of National Parks is to conserve and enhance landscapes within the countryside whilst promoting public enjoyment of them and having regard for the social and economic well-being of those living within them. In Scotland National Parks have the additional purpose of promoting the sustainable use of the natural resources of the area and the sustainable social and economic development of its communities. The National Parks and Access to the Countryside Act 1949 established the National Park designation in England and Wales, and The National Parks (Scotland) Act 2000 in Scotland.

Features are displayed on the Visual and cultural designations map on **page 135**

ID	Location	Name	Data Source
1	On site	South Downs	Natural England

This data is sourced from Natural England, Natural Resources Wales and the Scottish Government.

11.4 Listed Buildings

Records within 250m

0

Buildings listed for their special architectural or historical interest. Building control in the form of 'listed building consent' is required in order to make any changes to that building which might affect its special interest. Listed buildings are graded to indicate their relative importance, however building controls apply to all buildings equally, irrespective of their grade, and apply to the interior and exterior of the building in its entirety, together with any curtilage structures.

This data is sourced from English Heritage, Cadw and Historic Environment Scotland.



11.5 Conservation Areas

Records within 250m

1

Local planning authorities are obliged to designate as conservation areas any parts of their own area that are of special architectural or historic interest, the character and appearance of which it is desirable to preserve or enhance. Designation of a conservation area gives broader protection than the listing of individual buildings. All the features within the area, listed or otherwise, are recognised as part of its character. Conservation area designation is the means of recognising the importance of all factors and of ensuring that planning decisions address the quality of the landscape in its broadest sense.

Features are displayed on the Visual and cultural designations map on **page 135**

ID	Location	Name	District	Date of designation
2	On site	The Local Authority for this area have not supplied conservation area data.		-

This data is sourced from English Heritage, Cadw and Historic Environment Scotland.

11.6 Scheduled Ancient Monuments

Records within 250m

0

A scheduled monument is an historic building or site that is included in the Schedule of Monuments kept by the Secretary of State for Digital, Culture, Media and Sport. The regime is set out in the Ancient Monuments and Archaeological Areas Act 1979. The Schedule of Monuments has c.20,000 entries and includes sites such as Roman remains, burial mounds, castles, bridges, earthworks, the remains of deserted villages and industrial sites. Monuments are not graded, but all are, by definition, considered to be of national importance.

This data is sourced from English Heritage, Cadw and Historic Environment Scotland.

11.7 Registered Parks and Gardens

Records within 250m

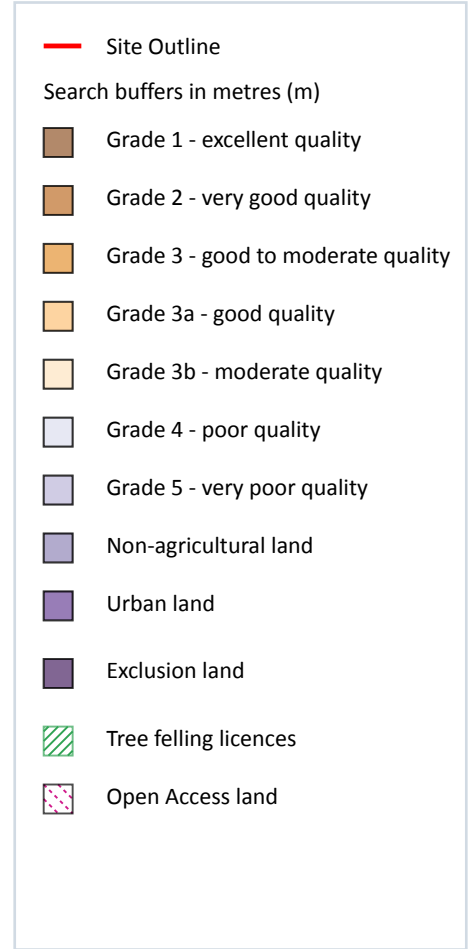
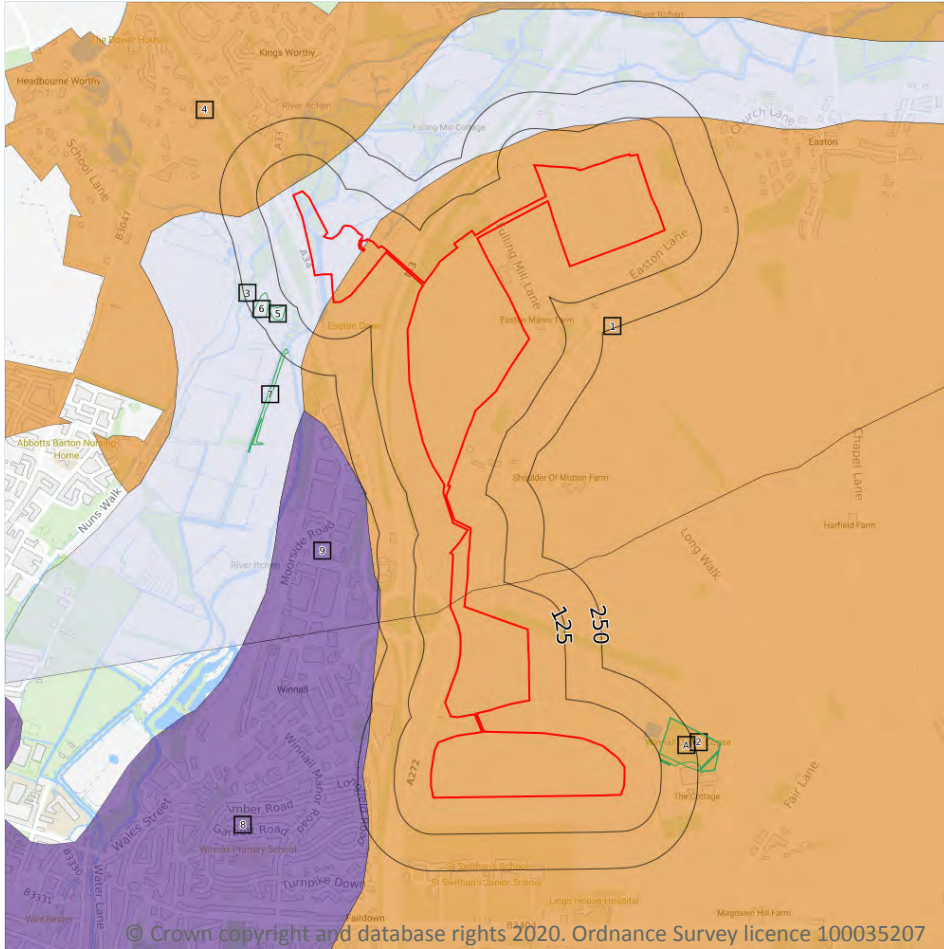
0

Parks and gardens assessed to be of particular interest and of special historic interest. The emphasis being on 'designed' landscapes, rather than on planting or botanical importance. Registration is a 'material consideration' in the planning process, meaning that planning authorities must consider the impact of any proposed development on the special character of the landscape.

This data is sourced from English Heritage, Cadw and Historic Environment Scotland.



12 Agricultural designations



12.1 Agricultural Land Classification

Records within 250m

6

Classification of the quality of agricultural land taking into consideration multiple factors including climate, physical geography and soil properties. It should be noted that the categories for the grading of agricultural land are not consistent across England, Wales and Scotland.

Features are displayed on the Agricultural designations map on **page 138**

ID	Location	Classification	Description
1	On site	Grade 3	Good to moderate quality agricultural land. Land with moderate limitations which affect the choice of crops, timing and type of cultivation, harvesting or the level of yield. Where more demanding crops are grown yields are generally lower or more variable than on land in Grades 1 and 2.

ID	Location	Classification	Description
2	On site	Grade 3	Good to moderate quality agricultural land. Land with moderate limitations which affect the choice of crops, timing and type of cultivation, harvesting or the level of yield. Where more demanding crops are grown yields are generally lower or more variable than on land in Grades 1 and 2.
3	On site	Grade 4	Poor quality agricultural land. Land with severe limitations which significantly restrict the range of crops and/or level of yields. It is mainly suited to grass with occasional arable crops (e.g. cereals and forage crops) the yields of which are variable. In moist climates, yields of grass may be moderate to high but there may be difficulties in utilisation. The grade also includes very droughty arable land.
4	31m NW	Grade 3	Good to moderate quality agricultural land. Land with moderate limitations which affect the choice of crops, timing and type of cultivation, harvesting or the level of yield. Where more demanding crops are grown yields are generally lower or more variable than on land in Grades 1 and 2.
8	226m W	Urban	-
9	239m W	Urban	-

This data is sourced from Natural England.

12.2 Open Access Land

Records within 250m

0

The Countryside and Rights of Way Act 2000 (CROW Act) gives a public right of access to land without having to use paths. Access land includes mountains, moors, heaths and downs that are privately owned. It also includes common land registered with the local council and some land around the England Coast Path. Generally permitted activities on access land are walking, running, watching wildlife and climbing.

This data is sourced from Natural England and Natural Resources Wales.

12.3 Tree Felling Licences

Records within 250m

5

Felling Licence Application (FLA) areas approved by Forestry Commission England. Anyone wishing to fell trees must ensure that a licence or permission under a grant scheme has been issued by the Forestry Commission before any felling is carried out or that one of the exceptions apply.

Features are displayed on the Agricultural designations map on **page 138**

ID	Location	Description	Reference	Application date
A	123m E	Selective Fell/Thin (Unconditional)	019/69/17-18	03/07/2017
A	127m E	Selective Fell/Thin (Unconditional)	019/73/00-01	16/10/2000



ID	Location	Description	Reference	Application date
5	146m SW	Clear Fell (Unconditional)	019/244/09-10	10/12/2009
6	176m W	Clear Fell (Unconditional)	019/244/09-10	10/12/2009
7	225m SW	Selective Fell/Thin (Conditional)	019/309/08-09	08/12/2008

This data is sourced from the Forestry Commission.

12.4 Environmental Stewardship Schemes

Records within 250m

1

Environmental Stewardship covers a range of schemes that provide financial incentives to farmers, foresters and land managers to look after and improve the environment.

Location	Reference	Scheme	Start Date	End date
214m SE	AG00499870	Entry Level Stewardship	01/12/2013	30/11/2018

This data is sourced from Natural England.

12.5 Countryside Stewardship Schemes

Records within 250m

5

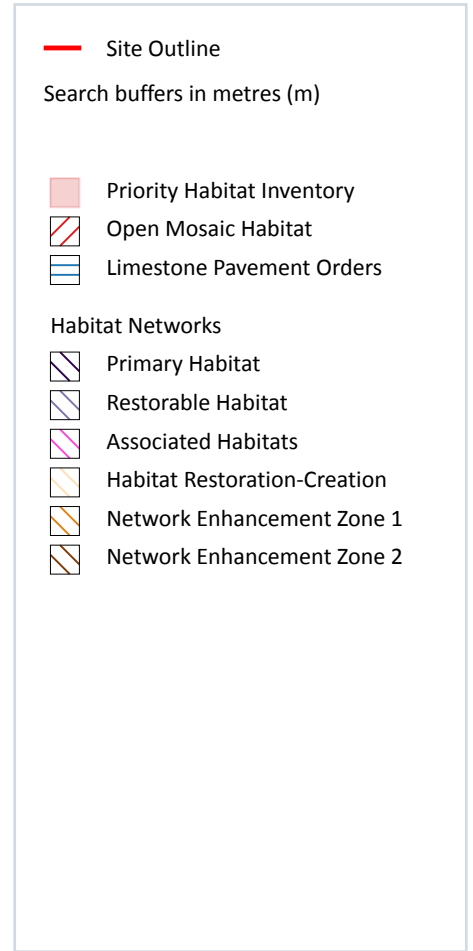
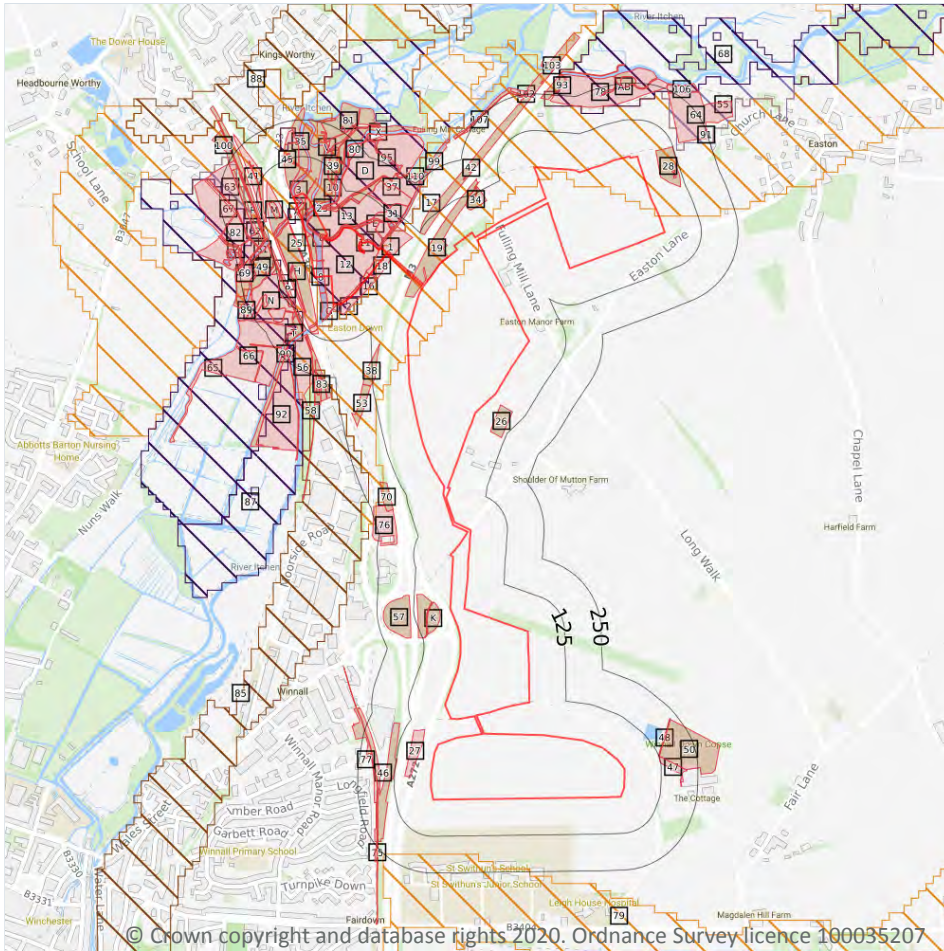
Countryside Stewardship covers a range of schemes that provide financial incentives to farmers, foresters and land managers to look after and improve the environment. Main objectives are to improve the farmed environment for wildlife and to reduce diffuse water pollution.

Location	Reference	Scheme	Start Date	End Date
107m NW	623608	Countryside Stewardship (Higher Tier)	01/01/2019	31/12/2028
159m W	623608	Countryside Stewardship (Higher Tier)	01/01/2019	31/12/2028
161m NW	471650	Countryside Stewardship (Higher Tier)	01/01/2018	31/12/2022
225m W	623608	Countryside Stewardship (Higher Tier)	01/01/2019	31/12/2028
234m NW	471650	Countryside Stewardship (Higher Tier)	01/01/2018	31/12/2022

This data is sourced from Natural England.



13 Habitat designations



13.1 Priority Habitat Inventory

Records within 250m

163

Habitats of principal importance as named under Natural Environment and Rural Communities Act (2006) Section 41.

Features are displayed on the Habitat designations map on **page 141**

ID	Location	Main Habitat	Other habitats
1	On site	Deciduous woodland	Main habitat: DWOOD (INV > 50%)
3	On site	Deciduous woodland	Main habitat: LFENS (INV > 50%); RBEDS (INV > 50%); DWOOD (INV > 50%)
4	On site	Deciduous woodland	Main habitat: LFENS (INV > 50%); RBEDS (INV > 50%); DWOOD (INV > 50%), ENSIS L1)



ID	Location	Main Habitat	Other habitats
5	On site	Deciduous woodland	Main habitat: LFENS (INV > 50%); RBEDS (INV > 50%); DWOOD (INV > 50%, ENSIS L1)
6	On site	Lowland fens	Main habitat: CFPGM (INV > 50%); LFENS (INV > 50%); RBEDS (INV > 50%)
7	On site	Lowland fens	Main habitat: LFENS (INV > 50%); RBEDS (INV > 50%)
8	On site	Lowland fens	Main habitat: LFENS (INV > 50%); RBEDS (INV > 50%)
9	On site	Lowland fens	Main habitat: LFENS (INV > 50%); RBEDS (INV > 50%)
10	On site	Lowland fens	Main habitat: LFENS (INV > 50%); RBEDS (INV > 50%)
11	On site	Lowland fens	Main habitat: CFPGM (INV > 50%); LFENS (INV > 50%, ENSIS L1); RBEDS (INV > 50%); Additional: LMEAD (ENSIS L2)
12	On site	Lowland fens	Main habitat: CFPGM (INV > 50%); LFENS (INV > 50%, ENSIS L1); RBEDS (INV > 50%); Additional: LMEAD (ENSIS L2)
13	On site	Lowland fens	Main habitat: LFENS (INV > 50%, ENSIS L1); RBEDS (INV > 50%); Additional: LMEAD (ENSIS L2)
14	On site	Lowland fens	Main habitat: LFENS (INV > 50%, ENSIS L1); RBEDS (INV > 50%); Additional: LMEAD (ENSIS L2)
15	On site	Lowland fens	Main habitat: LFENS (INV > 50%, ENSIS L1); RBEDS (INV > 50%); Additional: LMEAD (ENSIS L2)
18	On site	Deciduous woodland	Main habitat: DWOOD (INV > 50%)
19	On site	Deciduous woodland	Main habitat: DWOOD (INV > 50%)
A	On site	Deciduous woodland	Main habitat: DWOOD (INV > 50%)
B	On site	Lowland calcareous grassland	Main habitat: LCGRA (INV > 50%)
B	On site	Lowland calcareous grassland	Main habitat: LCGRA (INV > 50%)
C	On site	Lowland fens	Main habitat: CFPGM (INV > 50%); LFENS (INV > 50%, ENSIS L1); RBEDS (INV > 50%); Additional: LMEAD (ENSIS L2)
C	On site	Lowland fens	Main habitat: CFPGM (INV > 50%); LFENS (INV > 50%, ENSIS L1); RBEDS (INV > 50%); Additional: LMEAD (ENSIS L2)
E	2m NE	Lowland fens	Main habitat: LFENS (INV > 50%, ENSIS L1); RBEDS (INV > 50%); Additional: LMEAD (ENSIS L2)
20	2m NE	Lowland fens	Main habitat: CFPGM (INV > 50%); LFENS (INV > 50%, ENSIS L1); RBEDS (INV > 50%); Additional: LMEAD (ENSIS L2)
C	5m N	Lowland fens	Main habitat: CFPGM (INV > 50%); LFENS (INV > 50%, ENSIS L1); RBEDS (INV > 50%); Additional: LMEAD (ENSIS L2)
F	5m NE	Lowland fens	Main habitat: CFPGM (INV > 50%); LFENS (INV > 50%, ENSIS L1); RBEDS (INV > 50%); Additional: LMEAD (ENSIS L2)



ID	Location	Main Habitat	Other habitats
21	5m NW	Deciduous woodland	Main habitat: CFPGM (INV > 50%); LFENS (INV > 50%, ENSIS L1); RBEDS (INV > 50%); DWOOD (INV > 50%); Additional: LMEAD (ENSIS L2)
A	5m SW	Deciduous woodland	Main habitat: DWOOD (INV > 50%)
F	6m NE	Lowland fens	Main habitat: LFENS (INV > 50%, ENSIS L1); RBEDS (INV > 50%); Additional: LMEAD (ENSIS L2)
G	16m S	Lowland fens	Main habitat: CFPGM (INV > 50%); LFENS (INV > 50%, ENSIS L1); RBEDS (INV > 50%); Additional: LMEAD (ENSIS L2)
G	16m S	Lowland fens	Main habitat: CFPGM (INV > 50%); LFENS (ENSIS L1); Additional: LMEAD (ENSIS L2)
22	17m NE	Deciduous woodland	Main habitat: LFENS (INV > 50%, ENSIS L1); RBEDS (INV > 50%); DWOOD (INV > 50%); Additional: LMEAD (ENSIS L2)
G	20m W	Lowland fens	Main habitat: LFENS (INV > 50%); RBEDS (INV > 50%)
H	22m W	Deciduous woodland	Main habitat: DWOOD (INV > 50%)
23	23m NE	Lowland fens	Main habitat: LFENS (INV > 50%); RBEDS (INV > 50%)
I	24m NE	Lowland fens	Main habitat: LFENS (INV > 50%, ENSIS L1); RBEDS (INV > 50%); Additional: LMEAD (ENSIS L2)
24	26m NW	Deciduous woodland	Main habitat: LFENS (INV > 50%); RBEDS (INV > 50%); DWOOD (INV > 50%, ENSIS L1)
I	28m NE	Lowland fens	Main habitat: LFENS (INV > 50%, ENSIS L1); RBEDS (INV > 50%); Additional: LMEAD (ENSIS L2)
25	28m W	Deciduous woodland	Main habitat: DWOOD (INV > 50%)
A	31m SW	Lowland fens	Main habitat: LFENS (INV > 50%); RBEDS (INV > 50%)
J	31m N	Deciduous woodland	Main habitat: LFENS (INV > 50%, ENSIS L1); RBEDS (INV > 50%); DWOOD (INV > 50%); Additional: LMEAD (ENSIS L2)
J	32m N	Deciduous woodland	Main habitat: LFENS (INV > 50%, ENSIS L1); RBEDS (INV > 50%); DWOOD (INV > 50%); Additional: LMEAD (ENSIS L2)
J	33m N	Lowland fens	Main habitat: CFPGM (INV > 50%); LFENS (INV > 50%, ENSIS L1); RBEDS (INV > 50%); Additional: LMEAD (ENSIS L2)
K	37m W	Deciduous woodland	Main habitat: DWOOD (INV > 50%)
26	39m SE	Traditional orchard	Main habitat: TORCH (INV > 50%)
I	40m NE	Deciduous woodland	Main habitat: LFENS (INV > 50%, ENSIS L1); RBEDS (INV > 50%); DWOOD (INV > 50%); Additional: LMEAD (ENSIS L2)
L	47m SW	Deciduous woodland	Main habitat: DWOOD (INV > 50%)
L	47m SW	Deciduous woodland	Main habitat: LFENS (INV > 50%); RBEDS (INV > 50%); DWOOD (INV > 50%)



ID	Location	Main Habitat	Other habitats
L	47m SW	Deciduous woodland	Main habitat: LFENS (INV > 50%); RBEDS (INV > 50%); DWOOD (INV > 50%)
M	47m SW	Deciduous woodland	Main habitat: DWOOD (INV > 50%)
27	49m W	Deciduous woodland	Main habitat: DWOOD (INV > 50%)
28	54m E	Deciduous woodland	Main habitat: DWOOD (INV > 50%)
29	62m W	Deciduous woodland	Main habitat: DWOOD (INV > 50%)
K	62m W	Deciduous woodland	Main habitat: DWOOD (INV > 50%)
M	64m SW	Deciduous woodland	Main habitat: DWOOD (INV > 50%)
30	64m W	Deciduous woodland	Main habitat: DWOOD (INV > 50%)
H	65m W	Deciduous woodland	Main habitat: DWOOD (INV > 50%)
J	71m NE	Deciduous woodland	Main habitat: LFENS (INV > 50%, ENSIS L1); RBEDS (INV > 50%); DWOOD (INV > 50%); Additional: LMEAD (ENSIS L2)
J	73m NE	Deciduous woodland	Main habitat: CFPGM (INV > 50%); LFENS (INV > 50%, ENSIS L1); RBEDS (INV > 50%); DWOOD (INV > 50%); Additional: LMEAD (ENSIS L2)
31	76m NE	Lowland fens	Main habitat: LFENS (INV > 50%, ENSIS L1); RBEDS (INV > 50%); Additional: LMEAD (ENSIS L2)
32	77m NE	Lowland fens	Main habitat: LFENS (INV > 50%, ENSIS L1); RBEDS (INV > 50%); Additional: LMEAD (ENSIS L2)
33	77m NE	Deciduous woodland	Main habitat: LFENS (INV > 50%, ENSIS L1); RBEDS (INV > 50%); DWOOD (INV > 50%); Additional: LMEAD (ENSIS L2)
34	77m N	Deciduous woodland	Main habitat: DWOOD (INV > 50%)
D	78m NE	Lowland fens	Main habitat: LFENS (INV > 50%, ENSIS L1); RBEDS (INV > 50%); Additional: LMEAD (ENSIS L2)
E	79m NE	Lowland fens	Main habitat: CFPGM (INV > 50%); LFENS (INV > 50%, ENSIS L1); RBEDS (INV > 50%); Additional: LMEAD (ENSIS L2)
O	82m SW	Deciduous woodland	Main habitat: LFENS (INV > 50%); RBEDS (INV > 50%); DWOOD (INV > 50%)
35	84m N	Deciduous woodland	Main habitat: LFENS (INV > 50%); RBEDS (INV > 50%); DWOOD (INV > 50%, ENSIS L1)
O	87m SW	Deciduous woodland	Main habitat: LFENS (INV > 50%); RBEDS (INV > 50%); DWOOD (INV > 50%)
36	87m N	Lowland fens	Main habitat: LFENS (INV > 50%, ENSIS L1); RBEDS (INV > 50%); Additional: LMEAD (ENSIS L2)
37	93m N	Lowland fens	Main habitat: LFENS (INV > 50%, ENSIS L1); RBEDS (INV > 50%); Additional: LMEAD (ENSIS L2)
P	96m SW	Deciduous woodland	Main habitat: DWOOD (INV > 50%)



ID	Location	Main Habitat	Other habitats
38	97m W	Deciduous woodland	Main habitat: DWOOD (INV > 50%)
39	97m NE	Deciduous woodland	Main habitat: LFENS (INV > 50%, ENSIS L1); RBEDS (INV > 50%); DWOOD (INV > 50%); Additional: LMEAD (ENSIS L2)
40	98m N	Deciduous woodland	Main habitat: LFENS (INV > 50%); RBEDS (INV > 50%); DWOOD (INV > 50%, ENSIS L1)
O	99m SW	Deciduous woodland	Main habitat: DWOOD (INV > 50%)
41	103m W	Deciduous woodland	Main habitat: DWOOD (INV > 50%)
42	106m NW	Deciduous woodland	Main habitat: DWOOD (INV > 50%)
P	107m SW	Lowland fens	Main habitat: LFENS (INV > 50%, FEP + HLS); DWOOD (INV > 50%)
43	108m NE	Lowland fens	Main habitat: LFENS (INV > 50%); RBEDS (INV > 50%)
44	110m W	Deciduous woodland	Main habitat: DWOOD (INV > 50%)
Q	110m NE	Deciduous woodland	Main habitat: LFENS (INV > 50%); RBEDS (INV > 50%); DWOOD (INV > 50%)
45	118m N	Deciduous woodland	Main habitat: LFENS (INV > 50%); RBEDS (INV > 50%); DWOOD (INV > 50%, ENSIS L1)
N	119m W	Lowland fens	Main habitat: LFENS (INV > 50%, FEP + HLS)
46	122m W	Deciduous woodland	Main habitat: DWOOD (INV > 50%)
47	123m E	Deciduous woodland	Main habitat: DWOOD (INV > 50%)
48	124m E	Deciduous woodland	Main habitat: DWOOD (INV > 50%)
49	124m W	Deciduous woodland	Main habitat: LFENS (INV > 50%, FEP + HLS); DWOOD (INV > 50%)
50	126m E	Deciduous woodland	Main habitat: DWOOD (INV > 50%)
51	127m W	Deciduous woodland	Main habitat: LFENS (INV > 50%); DWOOD (INV > 50%)
R	130m W	Deciduous woodland	Main habitat: DWOOD (INV > 50%)
S	130m W	Deciduous woodland	Main habitat: DWOOD (INV > 50%)
52	131m NE	Lowland fens	Main habitat: LFENS (INV > 50%, ENSIS L1); RBEDS (INV > 50%); Additional: LMEAD (ENSIS L2)
T	132m W	Lowland fens	Main habitat: LFENS (FEP + HLS)
53	132m W	Deciduous woodland	Main habitat: DWOOD (INV > 50%)
54	133m W	Lowland fens	Main habitat: LFENS (INV > 50%, FEP + HLS)
56	136m SW	No main habitat but additional habitats present	Main habitat: RBEDS (INV > 50%); DWOOD (ENSIS L1); Additional: LFENS (ENSIS L2)
57	137m W	Deciduous woodland	Main habitat: DWOOD (INV > 50%)



ID	Location	Main Habitat	Other habitats
58	138m SW	Deciduous woodland	Main habitat: DWOOD (INV > 50%)
59	139m SW	Deciduous woodland	Main habitat: DWOOD (INV > 50%)
60	140m SW	No main habitat but additional habitats present	Main habitat: RBEDS (INV > 50%)
T	140m SW	No main habitat but additional habitats present	Additional: LFENS (ENSIS L2)
R	148m W	Deciduous woodland	Main habitat: CFPGM (INV > 50%); DWOOD (INV > 50%); LMEAD (INV > 50%)
64	149m E	Good quality semi-improved grassland	Main habitat: LMEAD (INV > 50%); GQSIG (FEP + HLS)
66	159m SW	Lowland meadows	Main habitat: CFPGM (INV > 50%, FEP + HLS); LMEAD (INV > 50%, FEP + HLS); Additional: LFENS (ENSIS L2)
67	162m W	Good quality semi-improved grassland	Main habitat: CFPGM (INV > 50%); LMEAD (INV > 50%)
V	163m NE	Deciduous woodland	Main habitat: LFENS (INV > 50%); RBEDS (INV > 50%); DWOOD (INV > 50%)
69	164m W	Lowland fens	Main habitat: LFENS (INV > 50%, FEP + HLS)
V	164m NE	Deciduous woodland	Main habitat: LFENS (INV > 50%, ENSIS L1); RBEDS (INV > 50%); DWOOD (INV > 50%); Additional: LMEAD (ENSIS L2)
70	164m SW	Deciduous woodland	Main habitat: DWOOD (INV > 50%)
Q	164m NE	Deciduous woodland	Main habitat: LFENS (INV > 50%, ENSIS L1); RBEDS (INV > 50%); DWOOD (INV > 50%); Additional: LMEAD (ENSIS L2)
71	166m W	Good quality semi-improved grassland	Main habitat: CFPGM (INV > 50%); LMEAD (INV > 50%); Additional: LFENS (FEP 50%)
72	166m NE	Lowland fens	Main habitat: LFENS (INV > 50%, ENSIS L1); RBEDS (INV > 50%); Additional: LMEAD (ENSIS L2)
73	167m W	Lowland fens	Main habitat: LFENS (INV > 50%, ENSIS L1, FEP + HLS); Additional: LMEAD (ENSIS L2)
W	171m N	Deciduous woodland	Main habitat: LFENS (INV > 50%, ENSIS L1); RBEDS (INV > 50%); DWOOD (INV > 50%); Additional: LMEAD (ENSIS L2)
X	171m NE	Lowland fens	Main habitat: LFENS (INV > 50%, ENSIS L1); RBEDS (INV > 50%); Additional: LMEAD (ENSIS L2)
Y	172m NW	Deciduous woodland	Main habitat: DWOOD (INV > 50%)
U	174m N	Lowland fens	Main habitat: LFENS (INV > 50%); RBEDS (INV > 50%); DWOOD (ENSIS L1)
74	176m W	Lowland fens	Main habitat: LFENS (INV > 50%, FEP + HLS)



ID	Location	Main Habitat	Other habitats
V	177m NE	Deciduous woodland	Main habitat: LFENS (INV > 50%, ENSIS L1); RBEDS (INV > 50%); DWOOD (INV > 50%); Additional: LMEAD (ENSIS L2)
Y	179m NW	Deciduous woodland	Main habitat: DWOOD (INV > 50%)
75	179m W	Deciduous woodland	Main habitat: DWOOD (INV > 50%)
76	179m W	Deciduous woodland	Main habitat: DWOOD (INV > 50%)
77	182m W	Deciduous woodland	Main habitat: DWOOD (INV > 50%)
78	182m N	Lowland fens	Main habitat: LFENS (INV > 50%, ENSIS L1); RBEDS (INV > 50%); LMEAD (FEP + HLS); Additional: DWOOD (ENSIS L2); CFPGM (FEP 50%)
W	189m NE	Deciduous woodland	Main habitat: LFENS (INV > 50%, ENSIS L1); RBEDS (INV > 50%); DWOOD (INV > 50%); Additional: LMEAD (ENSIS L2)
80	190m NE	Lowland fens	Main habitat: LFENS (INV > 50%, ENSIS L1); RBEDS (INV > 50%); Additional: LMEAD (ENSIS L2)
81	191m NE	Lowland fens	Main habitat: LFENS (INV > 50%, ENSIS L1); RBEDS (INV > 50%); Additional: LMEAD (ENSIS L2)
Z	191m W	Lowland meadows	Main habitat: CFPGM (INV > 50%); LMEAD (INV > 50%); LFENS (ENSIS L1, FEP + HLS)
82	192m W	Lowland meadows	Main habitat: CFPGM (INV > 50%); LMEAD (INV > 50%); LFENS (ENSIS L1)
83	199m S	Deciduous woodland	Main habitat: DWOOD (INV > 50%)
84	206m W	Lowland meadows	Main habitat: CFPGM (INV > 50%); LMEAD (INV > 50%); LFENS (ENSIS L1)
S	214m NW	Deciduous woodland	Main habitat: DWOOD (INV > 50%)
86	216m SW	No main habitat but additional habitats present	Additional: LMEAD (ENSIS L2)
89	221m W	Lowland fens	Main habitat: LFENS (INV > 50%, FEP + HLS)
AA	223m W	Deciduous woodland	Main habitat: LFENS (INV > 50%, FEP + HLS); DWOOD (INV > 50%)
AB	225m N	Lowland fens	Main habitat: LFENS (INV > 50%, ENSIS L1); RBEDS (INV > 50%); LMEAD (FEP + HLS); Additional: DWOOD (ENSIS L2); CFPGM (FEP 50%)
90	225m SW	Lowland meadows	Main habitat: CFPGM (FEP + HLS); LMEAD (FEP + HLS)
X	226m NE	Lowland fens	Main habitat: LFENS (INV > 50%); RBEDS (INV > 50%)
Z	230m W	Coastal and floodplain grazing marsh	Main habitat: CFPGM (INV > 50%); LMEAD (INV > 50%)
91	231m E	Good quality semi-improved grassland	Main habitat: LMEAD (INV > 50%)



ID	Location	Main Habitat	Other habitats
92	232m SW	Purple moor grass and rush pastures	Main habitat: CFPGM (INV > 50%, FEP + HLS); PMGRP (INV > 50%); LMEAD (FEP + HLS)
93	233m N	Deciduous woodland	Main habitat: LFENS (INV > 50%); RBEDS (INV > 50%); DWOOD (INV > 50%)
94	234m NE	Lowland fens	Main habitat: LFENS (INV > 50%, ENSIS L1); RBEDS (INV > 50%); Additional: LMEAD (ENSIS L2)
95	234m NE	Lowland fens	Main habitat: LFENS (INV > 50%, ENSIS L1); RBEDS (INV > 50%); Additional: LMEAD (ENSIS L2)
96	234m W	Lowland meadows	Main habitat: CFPGM (INV > 50%); LMEAD (INV > 50%); LFENS (ENSIS L1)
97	235m N	Lowland fens	Main habitat: LFENS (INV > 50%, ENSIS L1); RBEDS (INV > 50%); LMEAD (FEP + HLS); Additional: DWOOD (ENSIS L2); CFPGM (FEP 50%)
AB	235m N	Lowland fens	Main habitat: LFENS (INV > 50%, ENSIS L1); RBEDS (INV > 50%); LMEAD (FEP + HLS); Additional: DWOOD (ENSIS L2); CFPGM (FEP 50%)
98	235m SW	Coastal and floodplain grazing marsh	Main habitat: CFPGM (INV > 50%, FEP + HLS); LMEAD (INV > 50%, FEP + HLS); Additional: LFENS (ENSIS L2)
99	235m NW	Deciduous woodland	Main habitat: LFENS (INV > 50%); RBEDS (INV > 50%); DWOOD (INV > 50%)
100	236m NW	Deciduous woodland	Main habitat: CFPGM (INV > 50%); DWOOD (INV > 50%); LMEAD (INV > 50%)
101	238m NE	Lowland fens	Main habitat: LFENS (INV > 50%, ENSIS L1); RBEDS (INV > 50%); Additional: LMEAD (ENSIS L2)
102	239m N	Deciduous woodland	Main habitat: LFENS (INV > 50%); RBEDS (INV > 50%); DWOOD (INV > 50%)
103	240m N	Deciduous woodland	Main habitat: LFENS (INV > 50%); RBEDS (INV > 50%); DWOOD (INV > 50%)
104	240m W	Deciduous woodland	Main habitat: DWOOD (INV > 50%); Additional: LFENS (ENSIS L2); LMEAD (ENSIS L2)
105	241m SW	Lowland meadows	Main habitat: CFPGM (FEP + HLS); LMEAD (FEP + HLS)
106	241m NE	Good quality semi-improved grassland	Main habitat: LMEAD (INV > 50%); GQSIG (FEP + HLS)
107	243m N	Deciduous woodland	Main habitat: DWOOD (INV > 50%)
108	244m N	Deciduous woodland	Main habitat: DWOOD (INV > 50%)
109	246m W	Lowland fens	Main habitat: CFPGM (INV > 50%); LMEAD (INV > 50%); LFENS (ENSIS L1)
110	246m NW	Deciduous woodland	Main habitat: LFENS (INV > 50%, ENSIS L1); RBEDS (INV > 50%); DWOOD (INV > 50%); Additional: LMEAD (ENSIS L2)
111	247m NE	Lowland fens	Main habitat: LFENS (INV > 50%, ENSIS L1); RBEDS (INV > 50%); Additional: LMEAD (ENSIS L2)



ID	Location	Main Habitat	Other habitats
112	247m N	Deciduous woodland	Main habitat: LFENS (INV > 50%, ENSIS L1); RBEDS (INV > 50%); DWOOD (INV > 50%)
113	247m NE	Lowland fens	Main habitat: LFENS (INV > 50%, ENSIS L1); RBEDS (INV > 50%); Additional: LMEAD (ENSIS L2)
114	248m N	Deciduous woodland	Main habitat: LFENS (INV > 50%); RBEDS (INV > 50%); DWOOD (INV > 50%)

This data is sourced from Natural England.

13.2 Habitat Networks

Records within 250m

18

Habitat networks for 18 priority habitat networks (based primarily, but not exclusively, on the priority habitat inventory) and areas suitable for the expansion of networks through restoration and habitat creation.

Features are displayed on the Habitat designations map on **page 141**

ID	Location	Type	Habitat
2	On site	Primary Habitat	Lowland calcareous grassland
16	On site	Primary Habitat	Lowland calcareous grassland
17	On site	Network Enhancement Zone 1	Not specified
D	On site	Primary Habitat	Lowland fens
A	9m SW	Primary Habitat	Lowland fens
N	78m SW	Primary Habitat	Lowland fens
55	135m E	Restorable Habitat	Not specified
61	141m W	Restorable Habitat	Not specified
62	143m SW	Restorable Habitat	Not specified
63	144m W	Restorable Habitat	Not specified
65	151m SW	Primary Habitat	Lowland meadows
U	155m N	Primary Habitat	Lowland fens
68	164m N	Primary Habitat	Lowland fens
79	186m S	Network Enhancement Zone 1	Not specified
85	208m W	Network Enhancement Zone 2	Not specified
AA	216m W	Network Enhancement Zone 1	Not specified



ID	Location	Type	Habitat
87	218m SW	Primary Habitat	Purple moor grass and rush pasture
88	220m NW	Network Enhancement Zone 2	Not specified

This data is sourced from Natural England.

13.3 Open Mosaic Habitat

Records within 250m

0

Sites verified as Open Mosaic Habitat. Mosaic habitats are brownfield sites that are identified under the UK Biodiversity Action Plan as a priority habitat due to the habitat variation within a single site, supporting an array of invertebrates.

This data is sourced from Natural England.

13.4 Limestone Pavement Orders

Records within 250m

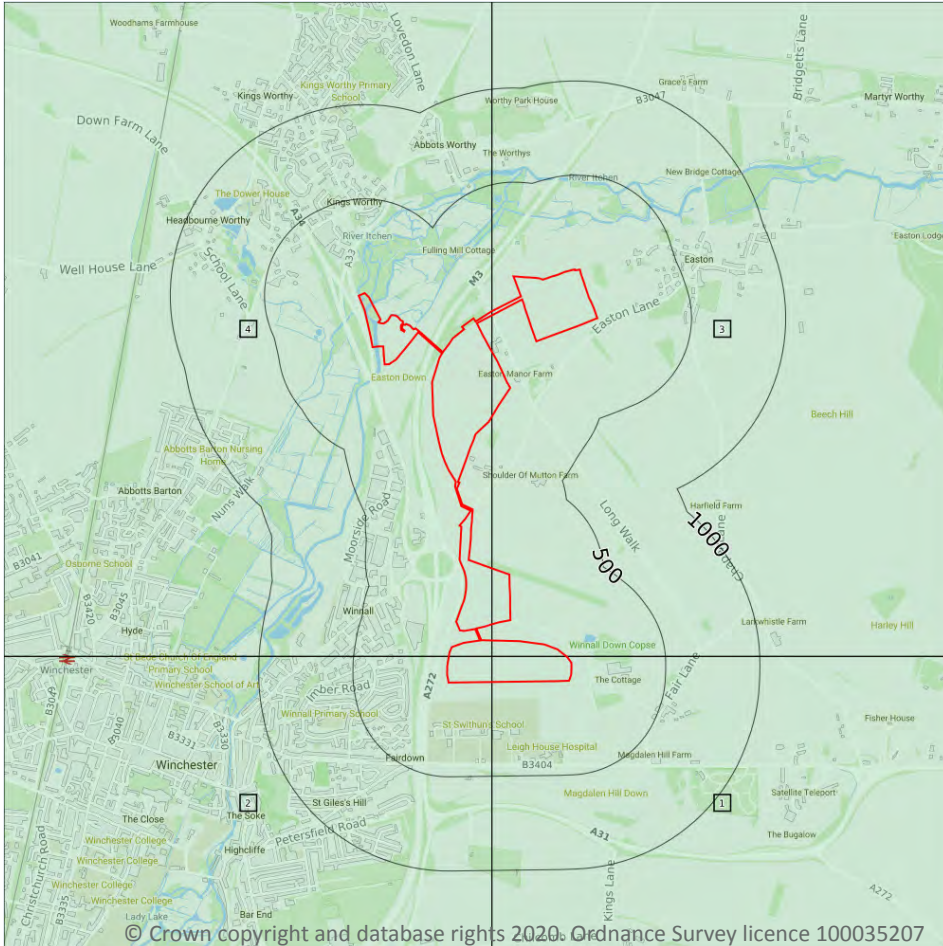
0

Limestone pavements are outcrops of limestone where the surface has been worn away by natural means over millennia. These rocks have the appearance of paving blocks, hence their name. Not only do they have geological interest, they also provide valuable habitats for wildlife. These habitats are threatened due to their removal for use in gardens and water features. Many limestone pavements have been designated as SSSIs which affords them some protection. In addition, Section 34 of the Wildlife and Countryside Act 1981 gave them additional protection via the creation of Limestone Pavement Orders, which made it a criminal offence to remove any part of the outcrop. The associated Limestone Pavement Priority Habitat is part of the UK Biodiversity Action Plan priority habitat in England.

This data is sourced from Natural England.



14 Geology 1:10,000 scale - Availability



— Site Outline
Search buffers in metres (m)

- Full coverage
- Partial coverage
- No coverage

14.1 10k Availability

Records within 500m

4

An indication on the coverage of 1:10,000 scale geology data for the site, the most detailed dataset provided by the British Geological Survey. Either 'Full', 'Partial' or 'No coverage' for each geological theme.

Features are displayed on the Geology 1:10,000 scale - Availability map on **page 151**

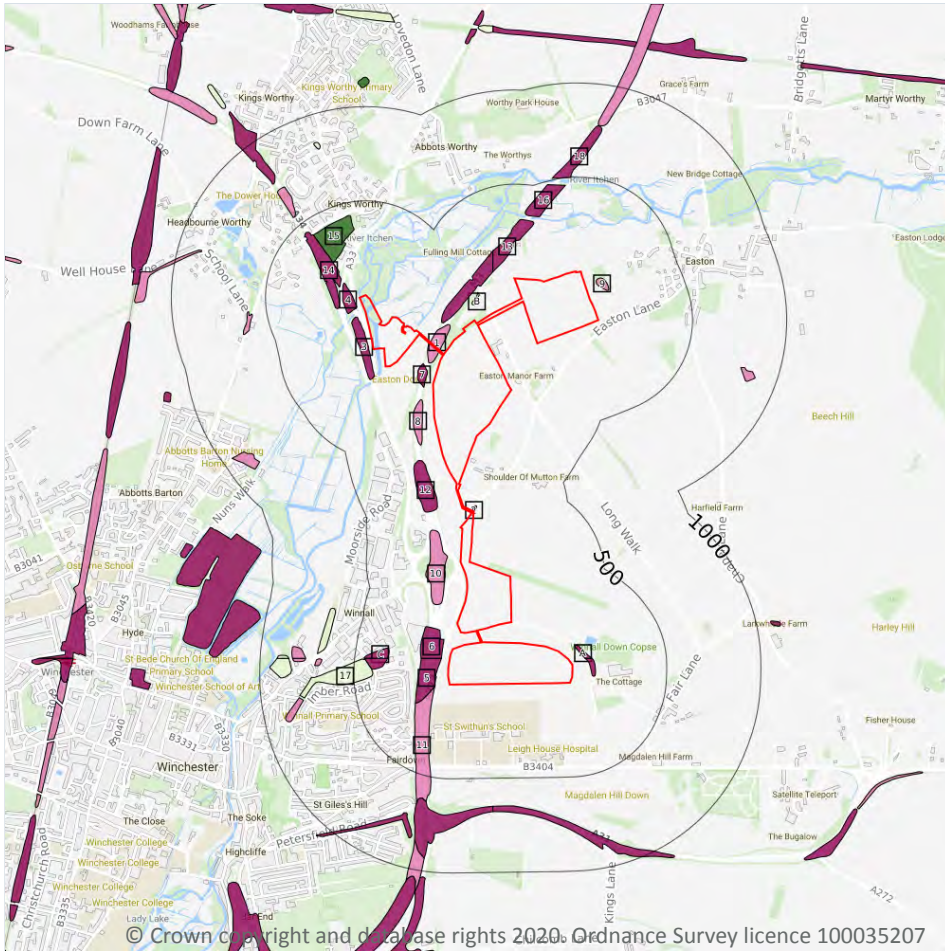
ID	Location	Artificial	Superficial	Bedrock	Mass movement	Sheet No.
1	On site	Full	Full	Full	No coverage	SU52NW
2	On site	Full	Full	Full	No coverage	SU42NE
3	On site	Full	Full	Full	No coverage	SU53SW
4	On site	Full	Full	Full	No coverage	SU43SE



This data is sourced from the British Geological Survey.



Geology 1:10,000 scale - Artificial and made ground



- Site Outline
- Search buffers in metres (m)
- Reclaimed ground
- Made ground
- Worked ground
- Infilled ground
- Disturbed ground
- Landscaped ground

14.2 Artificial and made ground (10k)

Records within 500m

24

Details of made, worked, infilled, disturbed and landscaped ground at 1:10,000 scale. Artificial ground can be associated with potentially contaminated material, unpredictable engineering conditions and instability.

Features are displayed on the Geology 1:10,000 scale - Artificial and made ground map on **page 153**

ID	Location	LEX Code	Description	Rock description
1	On site	WGR-VOID	Worked Ground (Undivided)	Void
2	On site	MGR-ARTDP	Made Ground (Undivided)	Artificial Deposit
3	24m W	MGR-ARTDP	Made Ground (Undivided)	Artificial Deposit
4	32m SW	MGR-ARTDP	Made Ground (Undivided)	Artificial Deposit

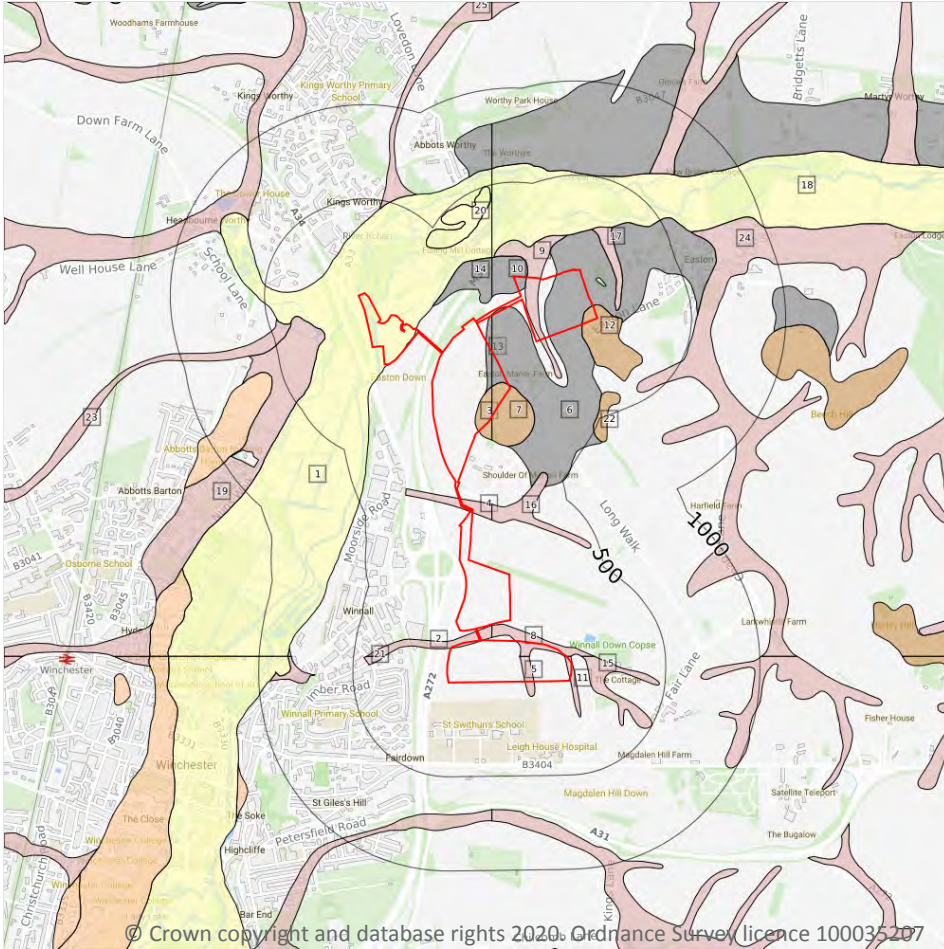


ID	Location	LEX Code	Description	Rock description
5	44m W	MGR-ARTDP	Made Ground (Undivided)	Artificial Deposit
6	44m W	MGR-ARTDP	Made Ground (Undivided)	Artificial Deposit
7	45m W	MGR-ARTDP	Made Ground (Undivided)	Artificial Deposit
8	58m W	WGR-VOID	Worked Ground (Undivided)	Void
9	60m E	WGR-VOID	Worked Ground (Undivided)	Void
A	69m NE	MGR-UKNOWN	Made Ground (Undivided)	Unknown/unclassified Entry
10	71m W	WGR-VOID	Worked Ground (Undivided)	Void
A	76m NE	MGR-UKNOWN	Made Ground (Undivided)	Unknown/unclassified Entry
11	80m W	WGR-VOID	Worked Ground (Undivided)	Void
B	81m N	WMGR-ARTDP	Infilled Ground	Artificial Deposit
B	88m NW	MGR-ARTDP	Made Ground (Undivided)	Artificial Deposit
12	104m W	MGR-ARTDP	Made Ground (Undivided)	Artificial Deposit
13	105m NW	MGR-UKNOWN	Made Ground (Undivided)	Unknown/unclassified Entry
14	110m W	MGR-ARTDP	Made Ground (Undivided)	Artificial Deposit
15	235m NW	LSGR-UKNOWN	Landscaped Ground (Undivided)	Unknown/unclassified Entry
C	323m W	MGR-ARTDP	Made Ground (Undivided)	Artificial Deposit
C	326m W	MGR-ARTDP	Made Ground (Undivided)	Artificial Deposit
16	334m NW	MGR-UKNOWN	Made Ground (Undivided)	Unknown/unclassified Entry
17	400m W	WMGR-ARTDP	Infilled Ground	Artificial Deposit
18	499m N	MGR-UKNOWN	Made Ground (Undivided)	Unknown/unclassified Entry

This data is sourced from the British Geological Survey.



Geology 1:10,000 scale - Superficial



- Site Outline
- Search buffers in metres (m)
- Landslip (10k)
- Superficial geology (10k)
Please see table for more details.

14.3 Superficial geology (10k)

Records within 500m

25

Superficial geological deposits at 1:10,000 scale. Also known as 'drift', these are the youngest geological deposits, formed during the Quaternary. They rest on older deposits or rocks referred to as bedrock.

Features are displayed on the Geology 1:10,000 scale - Superficial map on **page 155**

ID	Location	LEX Code	Description	Rock description
1	On site	ALV-XSZC	Alluvium - Sand, Silt And Clay	Sand, Silt And Clay
2	On site	HEAD-DMTN	Head - Diamicton	Diamicton
3	On site	CWF-DMTN	Clay-with-flints Formation - Diamicton	Diamicton



ID	Location	LEX Code	Description	Rock description
4	On site	HEAD-DMTN	Head - Diamicton	Diamicton
5	On site	HEAD-DMTN	Head - Diamicton	Diamicton
6	On site	HEAD1-DMTN	Head, 1 - Diamicton	Diamicton
7	On site	CWF-DMTN	Clay-with-flints Formation - Diamicton	Diamicton
8	On site	HEAD-DMTN	Head - Diamicton	Diamicton
9	On site	HEAD-DMTN	Head - Diamicton	Diamicton
10	On site	HEAD1-DMTN	Head, 1 - Diamicton	Diamicton
11	On site	HEAD-DMTN	Head - Diamicton	Diamicton
12	On site	CWF-DMTN	Clay-with-flints Formation - Diamicton	Diamicton
13	On site	HEAD1-DMTN	Head, 1 - Diamicton	Diamicton
14	51m NW	HEAD1-DMTN	Head, 1 - Diamicton	Diamicton
15	64m NE	HEAD-DMTN	Head - Diamicton	Diamicton
16	102m E	HEAD-DMTN	Head - Diamicton	Diamicton
17	108m E	HEAD-DMTN	Head - Diamicton	Diamicton
18	145m NW	ALV-XSC	Alluvium - Sand And Clay	Sand And Clay
19	236m W	HEAD-V	Head - Gravel	Gravel
20	320m NW	TUFA-CATUFA	Tufa - Calcareous Tufa	Tufa, Calcareous
21	341m W	HEAD-DMTN	Head - Diamicton	Diamicton
22	379m S	CWF-DMTN	Clay-with-flints Formation - Diamicton	Diamicton
23	388m W	HEAD-DMTN	Head - Diamicton	Diamicton



ID	Location	LEX Code	Description	Rock description
24	407m SE	HEAD-DMTN	Head - Diamicton	Diamicton
25	454m N	HEAD-DMTN	Head - Diamicton	Diamicton

This data is sourced from the British Geological Survey.

14.4 Landslip (10k)

Records within 500m

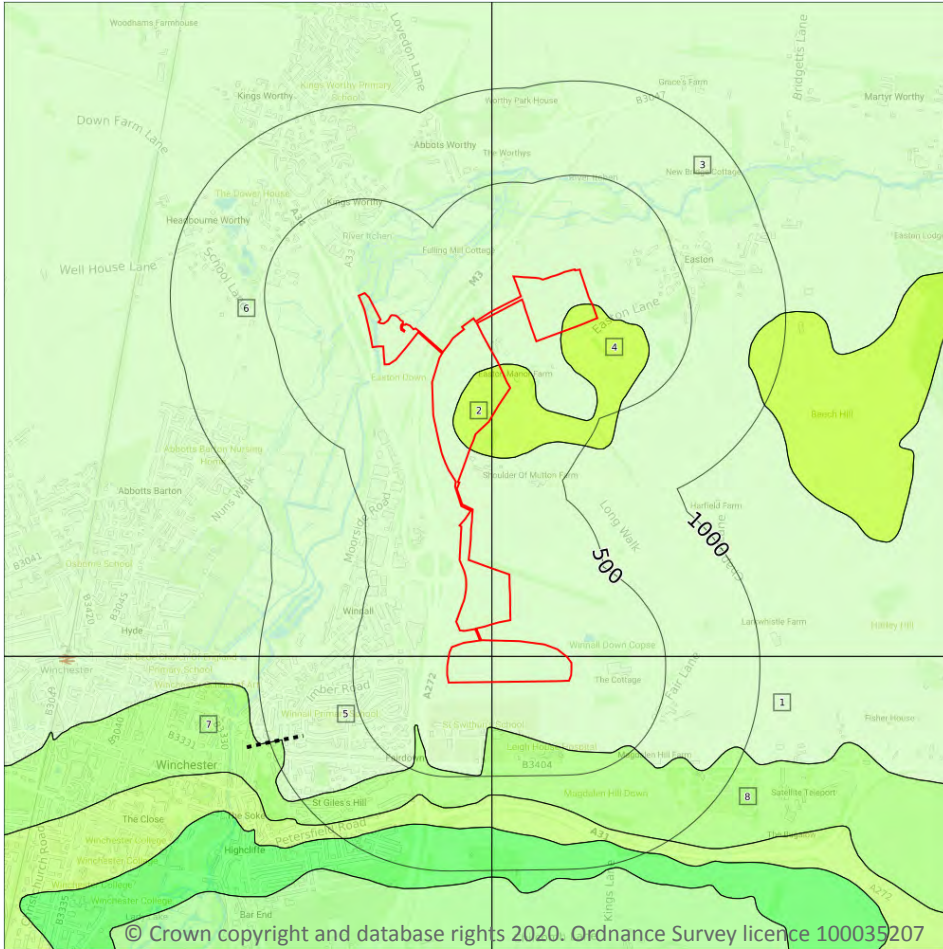
0

Mass movement deposits on BGS geological maps at 1:10,000 scale. Primarily superficial deposits that have moved down slope under gravity to form landslips. These affect bedrock, other superficial deposits and artificial ground.

This data is sourced from the British Geological Survey.



Geology 1:10,000 scale - Bedrock



- Site Outline
- Search buffers in metres (m)
- Bedrock faults and other linear features (10k)
- Bedrock geology (10k)
Please see table for more details.

14.5 Bedrock geology (10k)

Records within 500m

8

Bedrock geology at 1:10,000 scale. The main mass of rocks forming the Earth and present everywhere, whether exposed at the surface in outcrops or concealed beneath superficial deposits or water.

Features are displayed on the Geology 1:10,000 scale - Bedrock map on **page 158**

ID	Location	LEX Code	Description	Rock age
1	On site	SECK-CHLK	Seaford Chalk Formation - Chalk	Santonian Age - Coniacian Age
2	On site	NCK-CHLK	Newhaven Chalk Formation - Chalk	Campanian Age - Santonian Age
3	On site	SECK-CHLK	Seaford Chalk Formation - Chalk	Santonian Age - Coniacian Age
4	On site	NCK-CHLK	Newhaven Chalk Formation - Chalk	Campanian Age - Santonian Age

ID	Location	LEX Code	Description	Rock age
5	On site	SECK-CHLK	Seaford Chalk Formation - Chalk	Santonian Age - Coniacian Age
6	On site	SECK-CHLK	Seaford Chalk Formation - Chalk	Santonian Age - Coniacian Age
7	240m S	LECH-CHLK	Lewes Nodular Chalk Formation - Chalk	Coniacian Age - Turonian Age
8	241m S	LECH-CHLK	Lewes Nodular Chalk Formation - Chalk	Coniacian Age - Turonian Age

This data is sourced from the British Geological Survey.

14.6 Bedrock faults and other linear features (10k)

Records within 500m

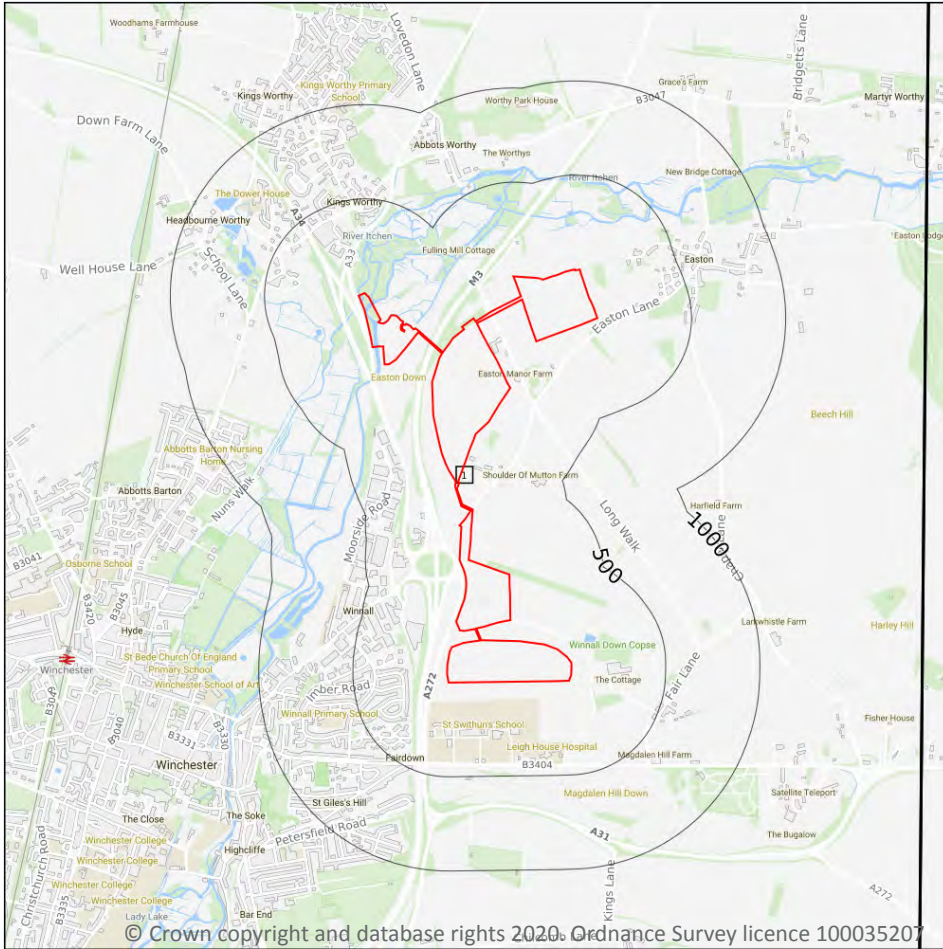
0

Linear features at the ground or bedrock surface at 1:10,000 scale of six main types; rock, fault, fold axis, mineral vein, alteration area or landform. Features are either observed or inferred, and relate primarily to bedrock.

This data is sourced from the British Geological Survey.



15 Geology 1:50,000 scale - Availability



— Site Outline
Search buffers in metres (m)

□ Geological map tile

15.1 50k Availability

Records within 500m

1

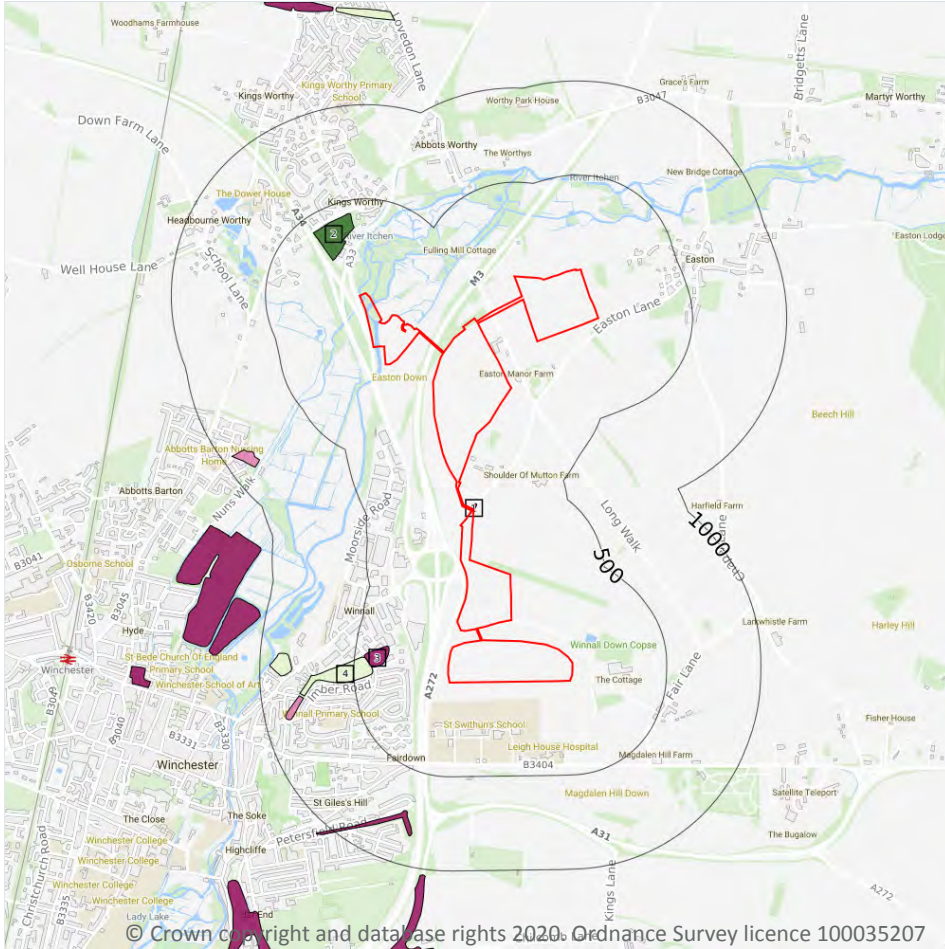
An indication on the coverage of 1:50,000 scale geology data for the site. Either 'Full' or 'No coverage' for each geological theme.

Features are displayed on the Geology 1:50,000 scale - Availability map on **page 160**

ID	Location	Artificial	Superficial	Bedrock	Mass movement	Sheet No.
1	On site	Full	Full	Full	No coverage	EW299_winchester_v4

This data is sourced from the British Geological Survey.

Geology 1:50,000 scale - Artificial and made ground



- Site Outline
- Search buffers in metres (m)
- Made ground
- Worked ground
- Infilled ground
- Disturbed ground
- Landscaped ground

15.2 Artificial and made ground (50k)

Records within 500m

4

Details of made, worked, infilled, disturbed and landscaped ground at 1:50,000 scale. Artificial ground can be associated with potentially contaminated material, unpredictable engineering conditions and instability.

Features are displayed on the Geology 1:50,000 scale - Artificial and made ground map on **page 161**

ID	Location	LEX Code	Description	Rock description
1	On site	MGR-ARTDP	MADE GROUND (UNDIVIDED)	ARTIFICIAL DEPOSIT
2	235m NW	LSGR-ARTGR	LANDSCAPED GROUND (UNDIVIDED)	ARTIFICIALLY MODIFIED GROUND
3	323m W	MGR-ARTDP	MADE GROUND (UNDIVIDED)	ARTIFICIAL DEPOSIT
4	400m W	WMGR-ARTDP	INFILLED GROUND	ARTIFICIAL DEPOSIT



This data is sourced from the British Geological Survey.

15.3 Artificial ground permeability (50k)

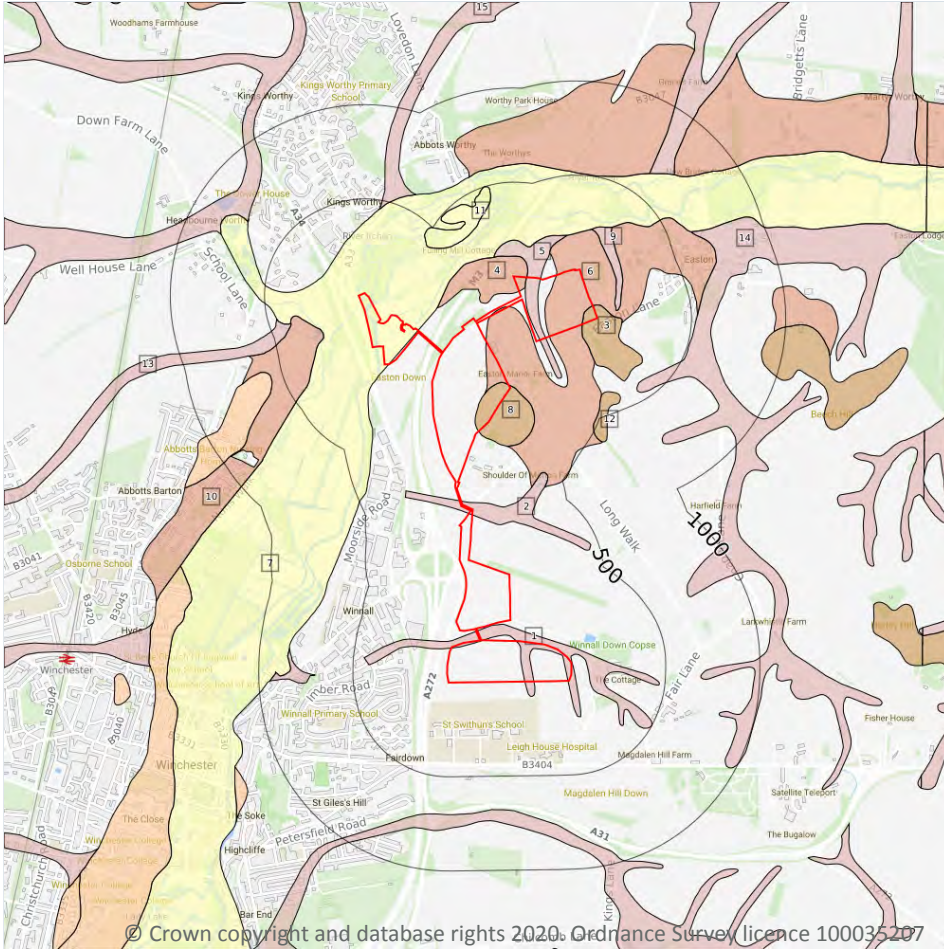
Records within 50m	1
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A qualitative classification of estimated rates of vertical movement of water from the ground surface through the unsaturated zone of any artificial deposits (the zone between the land surface and the water table).

Location	Flow type	Maximum permeability	Minimum permeability
On site	Mixed	Very High	Low

This data is sourced from the British Geological Survey.

Geology 1:50,000 scale - Superficial



— Site Outline

Search buffers in metres (m)

▨ Landslip (50k)

Superficial geology (50k)
Please see table for more details.

15.4 Superficial geology (50k)

Records within 500m

15

Superficial geological deposits at 1:50,000 scale. Also known as 'drift', these are the youngest geological deposits, formed during the Quaternary. They rest on older deposits or rocks referred to as bedrock.

Features are displayed on the Geology 1:50,000 scale - Superficial map on **page 163**

ID	Location	LEX Code	Description	Rock description
1	On site	HEAD-XCZSV	HEAD	CLAY, SILT, SAND AND GRAVEL
2	On site	HEAD-XCZSV	HEAD	CLAY, SILT, SAND AND GRAVEL
3	On site	CWF-XCZSV	CLAY-WITH-FLINTS FORMATION	CLAY, SILT, SAND AND GRAVEL



ID	Location	LEX Code	Description	Rock description
4	On site	HEAD1-XCZSV	HEAD, 1	CLAY, SILT, SAND AND GRAVEL
5	On site	HEAD-XCZSV	HEAD	CLAY, SILT, SAND AND GRAVEL
6	On site	HEAD1-XCZSV	HEAD, 1	CLAY, SILT, SAND AND GRAVEL
7	On site	ALV-XCZSV	ALLUVIUM	CLAY, SILT, SAND AND GRAVEL
8	On site	CWF-XCZSV	CLAY-WITH-FLINTS FORMATION	CLAY, SILT, SAND AND GRAVEL
9	108m E	HEAD-XCZSV	HEAD	CLAY, SILT, SAND AND GRAVEL
10	242m W	HEAD1-XCZSV	HEAD, 1	CLAY, SILT, SAND AND GRAVEL
11	322m NW	TUFA-CATUFA	TUFA	TUFA, CALCAREOUS
12	379m S	CWF-XCZSV	CLAY-WITH-FLINTS FORMATION	CLAY, SILT, SAND AND GRAVEL
13	388m W	HEAD-XCZSV	HEAD	CLAY, SILT, SAND AND GRAVEL
14	407m SE	HEAD-XCZSV	HEAD	CLAY, SILT, SAND AND GRAVEL
15	454m N	HEAD-XCZSV	HEAD	CLAY, SILT, SAND AND GRAVEL

This data is sourced from the British Geological Survey.

15.5 Superficial permeability (50k)

Records within 50m	13
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A qualitative classification of estimated rates of vertical movement of water from the ground surface through the unsaturated zone of any superficial deposits (the zone between the land surface and the water table).

Location	Flow type	Maximum permeability	Minimum permeability
On site	Mixed	High	Very Low
On site	Mixed	High	Very Low
On site	Mixed	High	Very Low
On site	Mixed	High	Very Low



Location	Flow type	Maximum permeability	Minimum permeability
On site	Mixed	High	Very Low
On site	Mixed	High	Very Low
On site	Mixed	High	Very Low
On site	Mixed	High	Very Low
On site	Mixed	High	Very Low
On site	Mixed	High	Very Low
On site	Mixed	High	Very Low
On site	Mixed	High	Very Low
On site	Mixed	High	Very Low
On site	Intergranular	High	Very Low

This data is sourced from the British Geological Survey.

15.6 Landslip (50k)

Records within 500m

0

Mass movement deposits on BGS geological maps at 1:50,000 scale. Primarily superficial deposits that have moved down slope under gravity to form landslips. These affect bedrock, other superficial deposits and artificial ground.

This data is sourced from the British Geological Survey.

15.7 Landslip permeability (50k)

Records within 50m

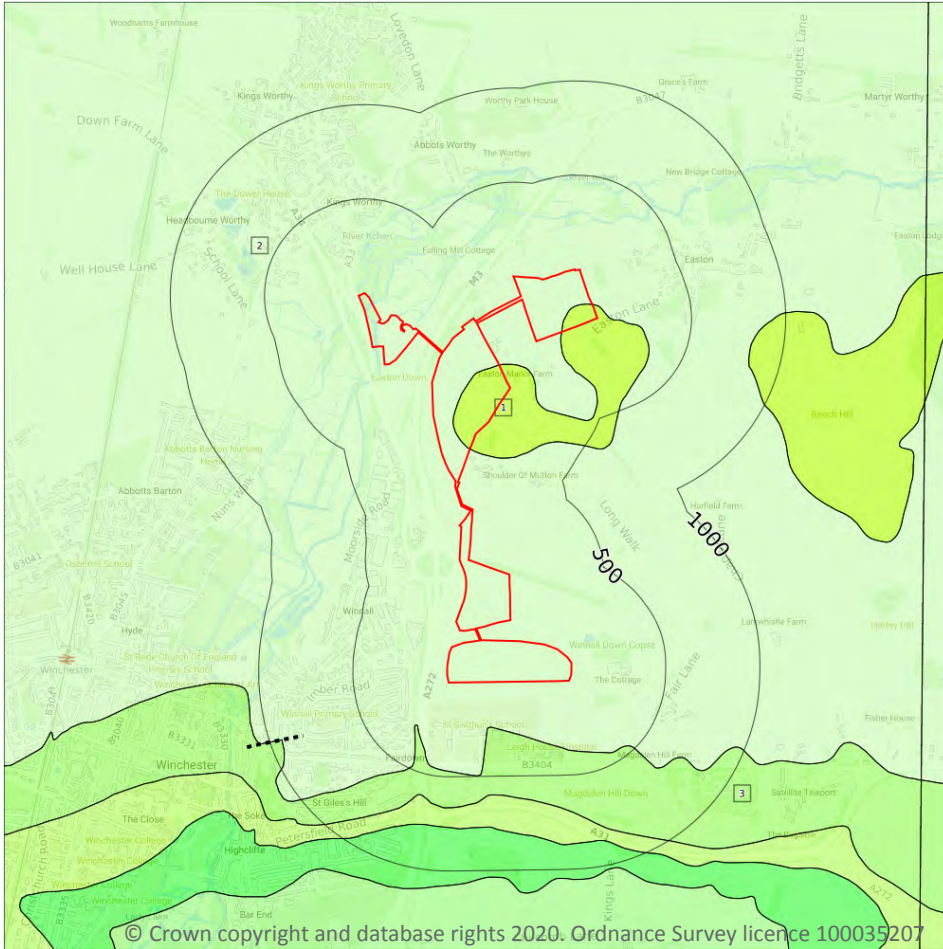
0

A qualitative classification of estimated rates of vertical movement of water from the ground surface through the unsaturated zone of any landslip deposits (the zone between the land surface and the water table).

This data is sourced from the British Geological Survey.



Geology 1:50,000 scale - Bedrock



- Site Outline
- Search buffers in metres (m)
- Bedrock faults and other linear features (50k)
- Bedrock geology (50k)
Please see table for more details.

15.8 Bedrock geology (50k)

Records within 500m

3

Bedrock geology at 1:50,000 scale. The main mass of rocks forming the Earth and present everywhere, whether exposed at the surface in outcrops or concealed beneath superficial deposits or water.

Features are displayed on the Geology 1:50,000 scale - Bedrock map on **page 166**

ID	Location	LEX Code	Description	Rock age
1	On site	NCK-CHLK	NEWHAVEN CHALK FORMATION - CHALK	SANTONIAN
2	On site	SECK-CHLK	SEAFORD CHALK FORMATION - CHALK	CONIACIAN
3	240m S	LECH-CHLK	LEWES NODULAR CHALK FORMATION - CHALK	TURONIAN

This data is sourced from the British Geological Survey.



15.9 Bedrock permeability (50k)

Records within 50m

6

A qualitative classification of estimated rates of vertical movement of water from the ground surface through the unsaturated zone of bedrock (the zone between the land surface and the water table).

Location	Flow type	Maximum permeability	Minimum permeability
On site	Fracture	Very High	Very High
On site	Fracture	Very High	Very High
On site	Fracture	Very High	Very High
On site	Fracture	Very High	Very High
On site	Fracture	Very High	Very High
On site	Fracture	Very High	Very High

This data is sourced from the British Geological Survey.

15.10 Bedrock faults and other linear features (50k)

Records within 500m

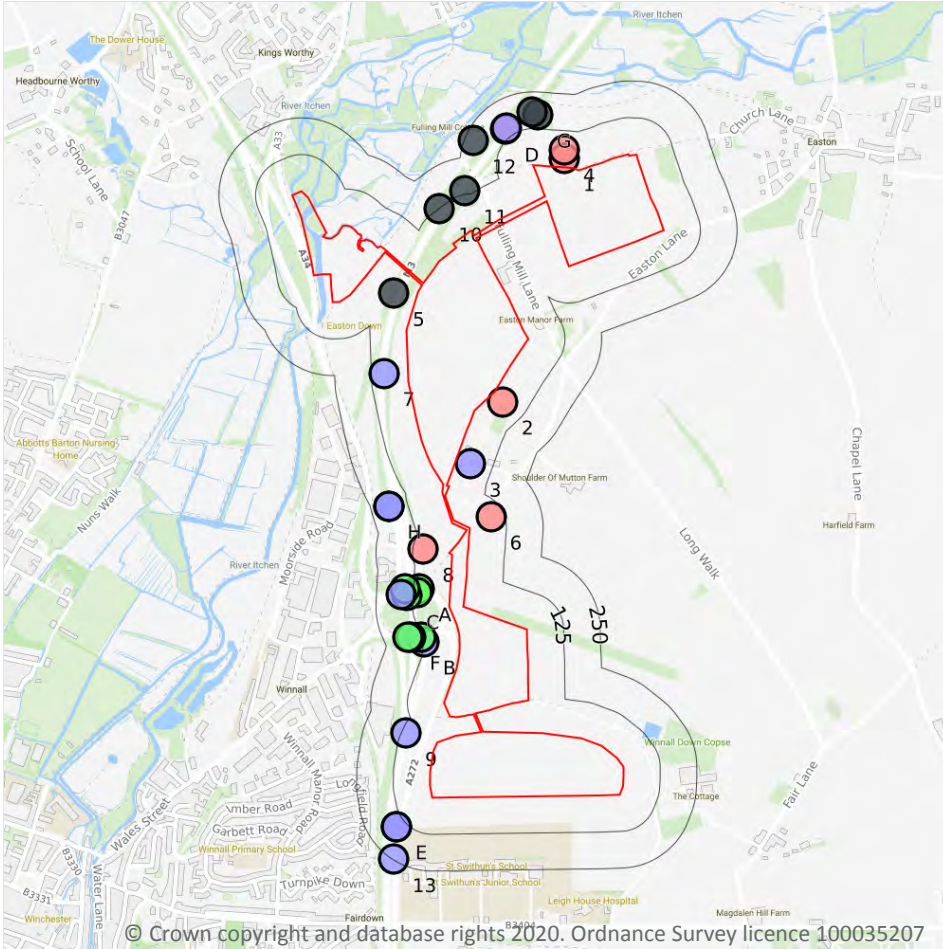
0

Linear features at the ground or bedrock surface at 1:50,000 scale of six main types; rock, fault, fold axis, mineral vein, alteration area or landform. Features are either observed or inferred, and relate primarily to bedrock.

This data is sourced from the British Geological Survey.



16 Boreholes



16.1 BGS Boreholes

Records within 250m

30

The Single Onshore Boreholes Index (SOBI); an index of over one million records of boreholes, shafts and wells from all forms of drilling and site investigation work held by the British Geological Survey. Covering onshore and nearshore boreholes dating back to at least 1790 and ranging from one to several thousand metres deep.

Features are displayed on the Boreholes map on **page 168**

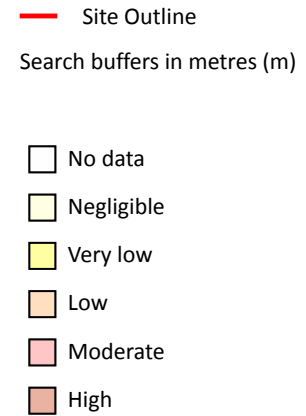
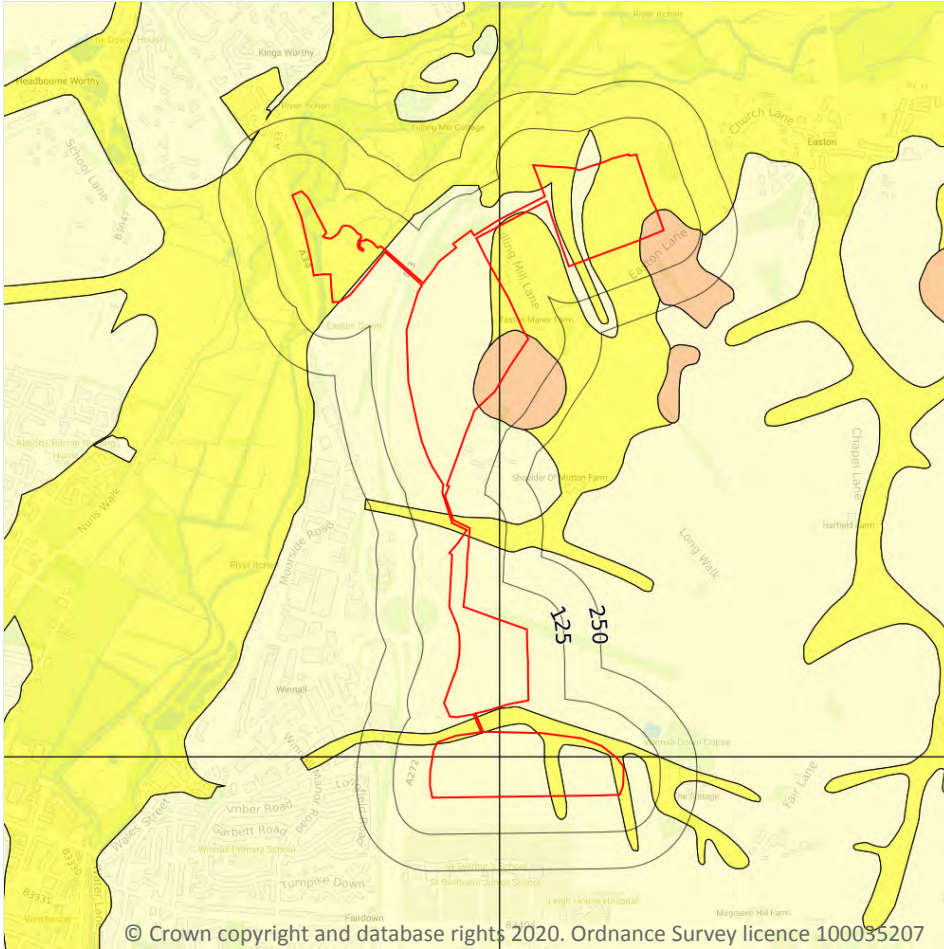
ID	Location	Grid reference	Name	Length	Confidential	Web link
1	30m N	450220 132040	EASTON NO 1	118.0	N	416982
2	44m SE	450010 131210	EASTON MANOR	76.81	N	417031
3	50m E	449900 131000	WINNALL COTTAGE FARM KINGSWORTHY	-2.0	N	412474

ID	Location	Grid reference	Name	Length	Confidential	Web link
4	60m N	450220 132070	EASTON P.S. NO.1	120.4	N	417037
5	79m W	449639 131582	M3 JUNCTIONS 6 - 9 BH101/4+93B	-	Y	N/A
6	82m NE	449970 130820	SHOULDER OF MUTTON FIELD EASTON	45.72	N	412470
7	83m W	449605 131307	M3 POPHAM TP COMPTON TP631	6.0	N	412443
8	90m W	449740 130710	COTTAGE FARM WINNALL	30.48	N	412476
A	105m W	449727 130573	M3 POPHAM TP COMPTON TP630	11.0	N	412442
9	111m NW	449681 130082	M3 POPHAM TP COMPTON TP628	3.2	N	412440
A	111m W	449720 130561	M3 POPHAM TP COMPTON BH539	25.0	N	412438
B	121m W	449742 130392	M3 POPHAM TP COMPTON BH536	10.0	N	412435
10	125m NW	449795 131870	M3 JUNCTIONS 6 - 9 WS101/0+65B	-	Y	N/A
B	130m W	449731 130408	M3 POPHAM TP COMPTON BH535	25.0	N	412434
11	137m N	449880 131929	M3 JUNCTIONS 6 - 9 WS101/0+69A	-	Y	N/A
C	145m W	449685 130549	M3 POPHAM TP COMPTON BH805	20.3	N	412445
C	153m W	449679 130572	M3 POPHAM TP COMPTON BH538	25.0	N	412437
D	155m NW	450020 132140	EASTON P.S.	48.77	N	417036
D	156m NW	450023 132143	M3 BRIDGETS LN/BAR END BH544	9.0	N	417002
E	158m SW	449648 129762	M3 POPHAM TO COMPTON TP824	9.0	N	411993
E	158m SW	449648 129762	M3 POPHAM TO COMPTON BH533C	10.0	N	411991
F	161m SW	449697 130408	M3 POPHAM TP COMPTON TP629	8.0	N	412441
C	165m W	449666 130554	M3 POPHAM TP COMPTON BH537	10.0	N	412436
F	170m SW	449687 130409	M3 POPHAM TP COMPTON BH534	20.0	N	412433
G	174m N	450130 132190	EASTON P.S.	-	Y	N/A
G	181m N	450110 132198	M3 BRIDGETS LN/BAR END BH325	-	Y	N/A
H	189m W	449621 130855	M3 POPHAM TP COMPTON TP701	4.1	N	412444
H	189m W	449621 130855	M3 POPHAM TP COMPTON BH540	6.0	N	412439
12	221m W	449910 132100	EASTON NO. 2(D)	-	Y	N/A
13	247m SW	449638 129652	M3 POPHAM TO COMPTON TP823	10.0	N	411992

This data is sourced from the British Geological Survey.



17 Natural ground subsidence - Shrink swell clays



17.1 Shrink swell clays

Records within 50m

4

The potential hazard presented by soils that absorb water when wet (making them swell), and lose water as they dry (making them shrink). This shrink-swell behaviour is controlled by the type and amount of clay in the soil, and by seasonal changes in the soil moisture content (related to rainfall and local drainage).

Features are displayed on the Natural ground subsidence - Shrink swell clays map on **page 170**

Location	Hazard rating	Details
On site	Negligible	Ground conditions predominantly non-plastic.
On site	Very low	Ground conditions predominantly low plasticity.
On site	Low	Ground conditions predominantly medium plasticity.

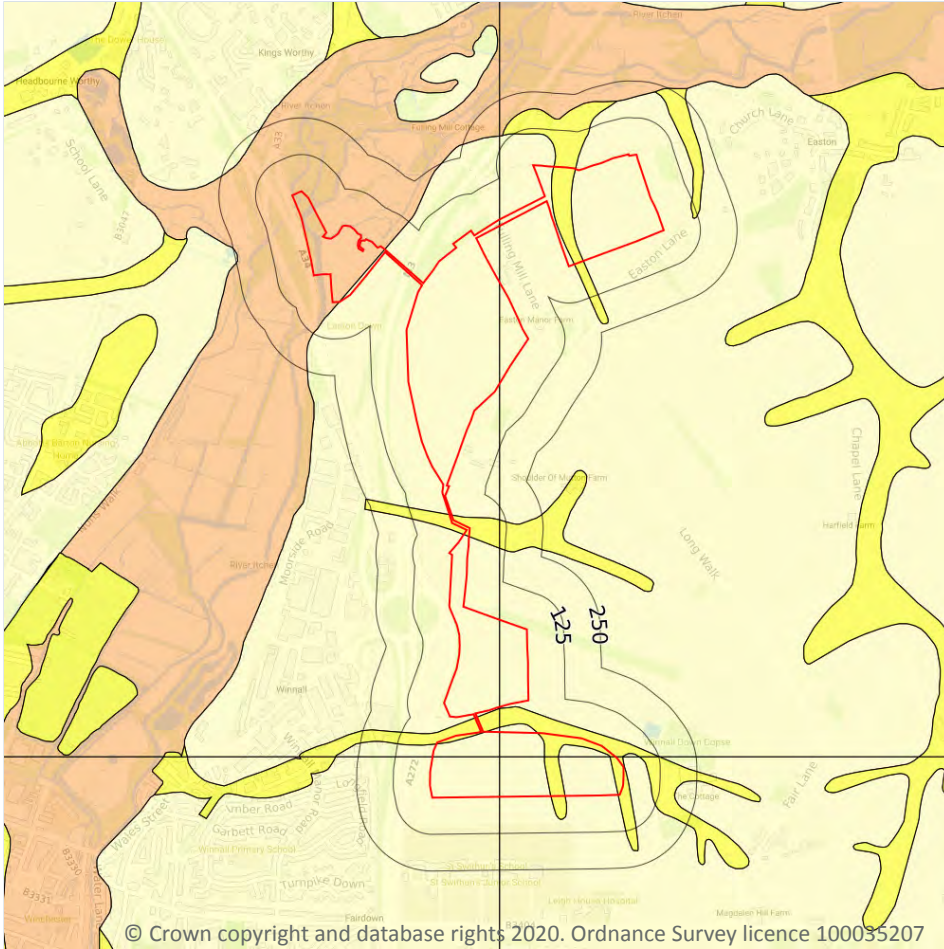


Location	Hazard rating	Details
19m NE	Negligible	Ground conditions predominantly non-plastic.

This data is sourced from the British Geological Survey.



Natural ground subsidence - Running sands



— Site Outline
Search buffers in metres (m)

- No data
- Negligible
- Very low
- Low
- Moderate
- High

17.2 Running sands

Records within 50m

4

The potential hazard presented by rocks that can contain loosely-packed sandy layers that can become fluidised by water flowing through them. Such sands can 'run', removing support from overlying buildings and causing potential damage.

Features are displayed on the Natural ground subsidence - Running sands map on **page 172**

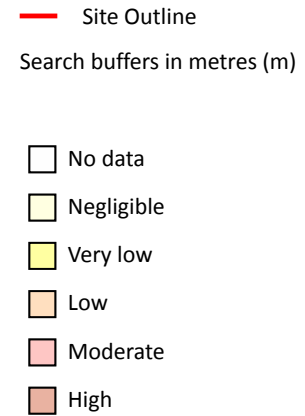
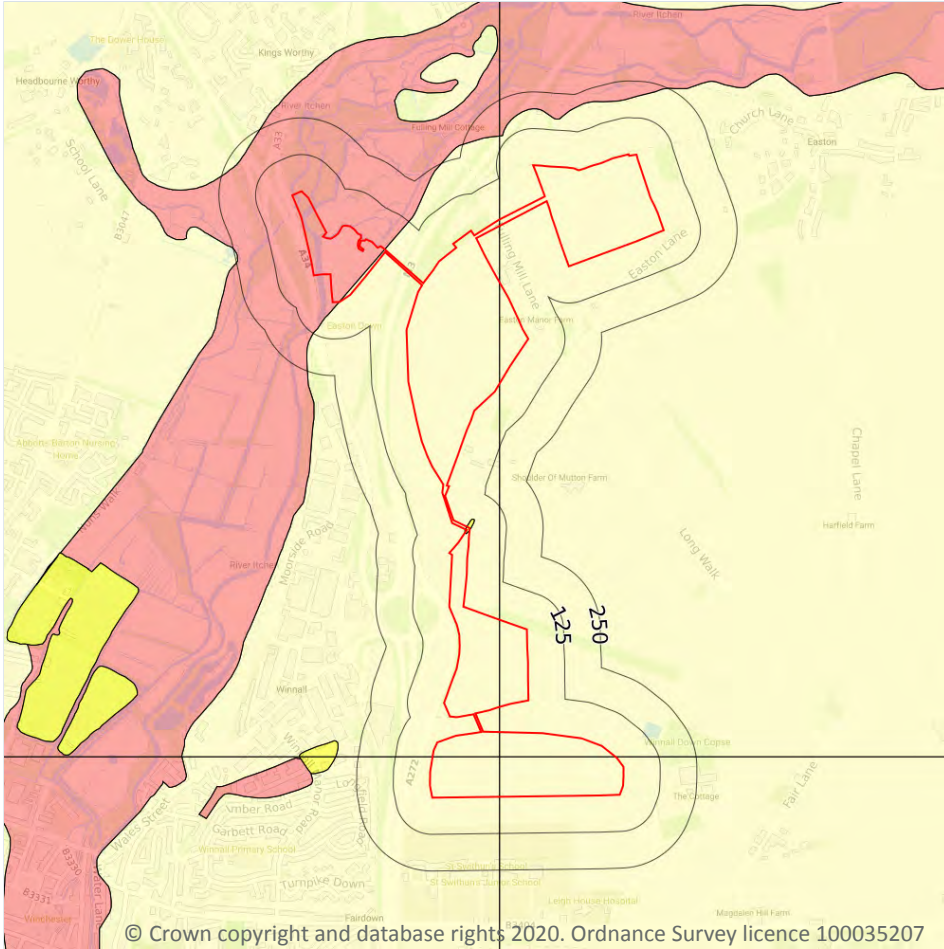
Location	Hazard rating	Details
On site	Negligible	Running sand conditions are not thought to occur whatever the position of the water table. No identified constraints on lands use due to running conditions.

Location	Hazard rating	Details
On site	Very low	Running sand conditions are unlikely. No identified constraints on land use due to running conditions unless water table rises rapidly.
On site	Low	Running sand conditions may be present. Constraints may apply to land uses involving excavation or the addition or removal of water.
19m NE	Negligible	Running sand conditions are not thought to occur whatever the position of the water table. No identified constraints on lands use due to running conditions.

This data is sourced from the British Geological Survey.



Natural ground subsidence - Compressible deposits



17.3 Compressible deposits

Records within 50m

3

The potential hazard presented by types of ground that may contain layers of very soft materials like clay or peat and may compress if loaded by overlying structures, or if the groundwater level changes, potentially resulting in depression of the ground and disturbance of foundations.

Features are displayed on the Natural ground subsidence - Compressible deposits map on **page 174**

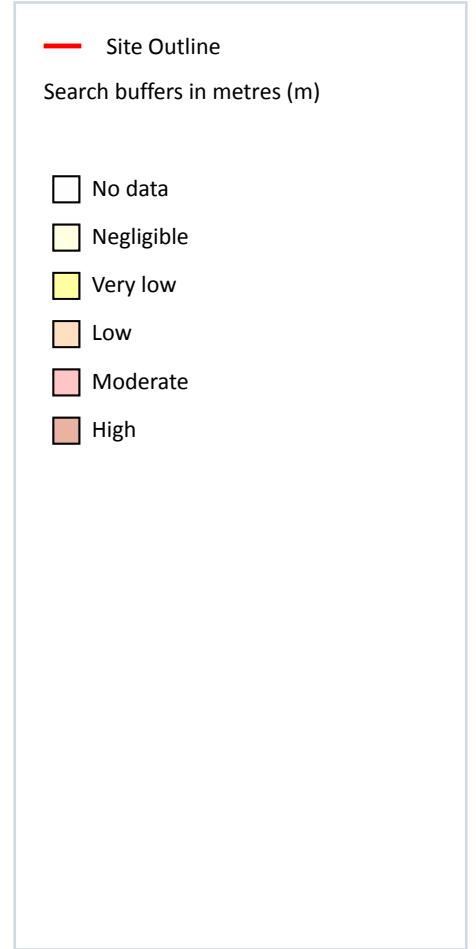
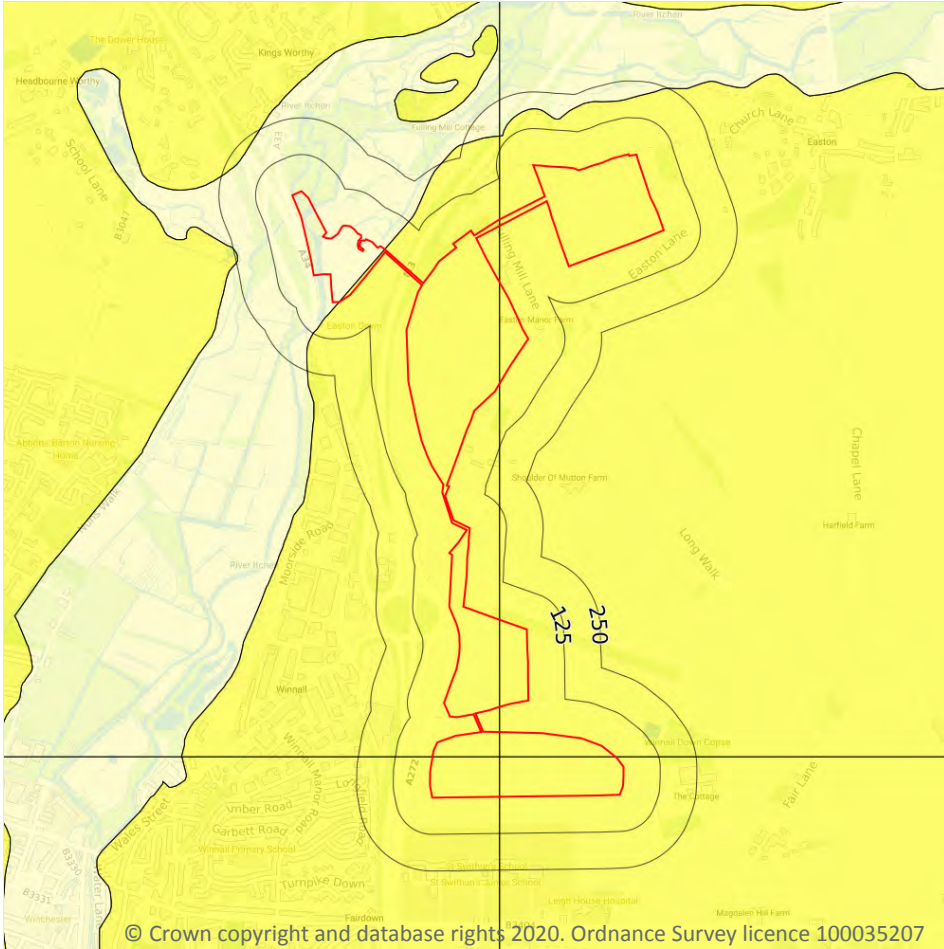
Location	Hazard rating	Details
On site	Negligible	Compressible strata are not thought to occur.
On site	Very low	Compressibility and uneven settlement problems are not likely to be significant on the site for most land uses.

Location	Hazard rating	Details
On site	Moderate	Compressibility and uneven settlement hazards are probably present. Land use should consider specifically the compressibility and variability of the site.

This data is sourced from the British Geological Survey.



Natural ground subsidence - Collapsible deposits



17.4 Collapsible deposits

Records within 50m

2

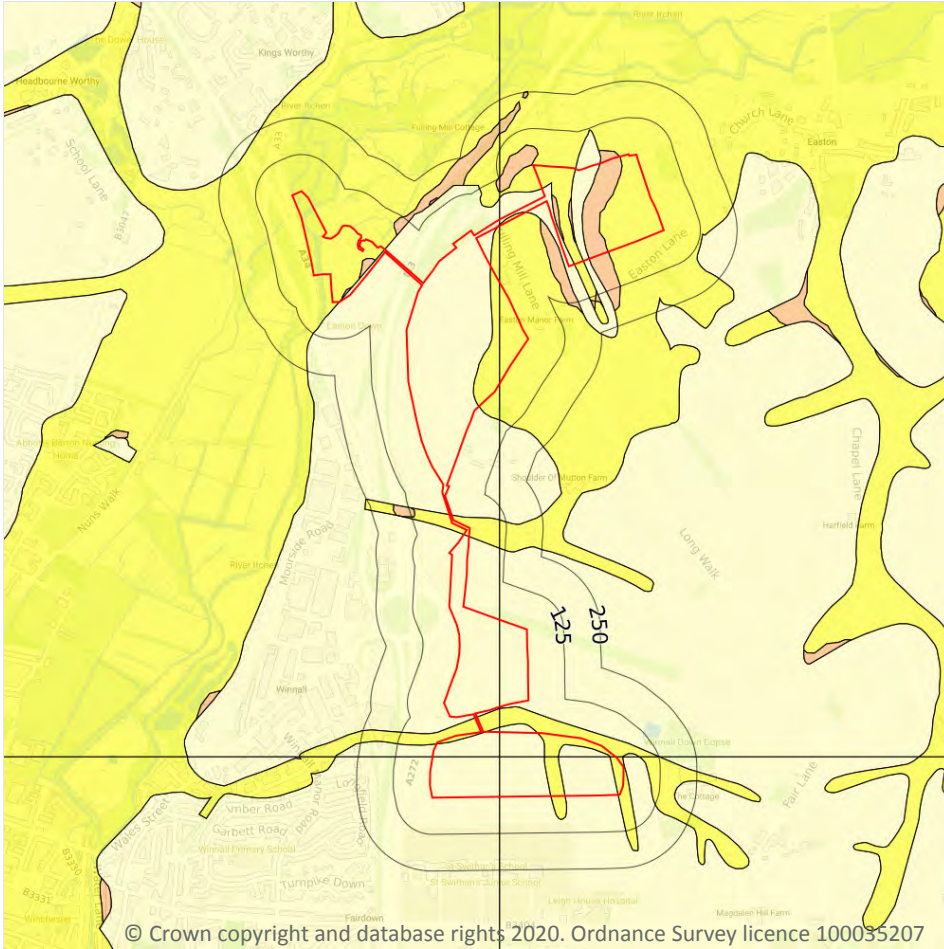
The potential hazard presented by natural deposits that could collapse when a load (such as a building) is placed on them or they become saturated with water.

Features are displayed on the Natural ground subsidence - Collapsible deposits map on **page 176**

Location	Hazard rating	Details
On site	Negligible	Deposits with potential to collapse when loaded and saturated are believed not to be present.
On site	Very low	Deposits with potential to collapse when loaded and saturated are unlikely to be present.

This data is sourced from the British Geological Survey.

Natural ground subsidence - Landslides



— Site Outline
Search buffers in metres (m)

- No data
- Negligible
- Very low
- Low
- Moderate
- High

17.5 Landslides

Records within 50m

6

The potential for landsliding (slope instability) to be a hazard assessed using 1:50,000 scale digital maps of superficial and bedrock deposits, combined with information from the BGS National Landslide Database and scientific and engineering reports.

Features are displayed on the Natural ground subsidence - Landslides map on **page 177**

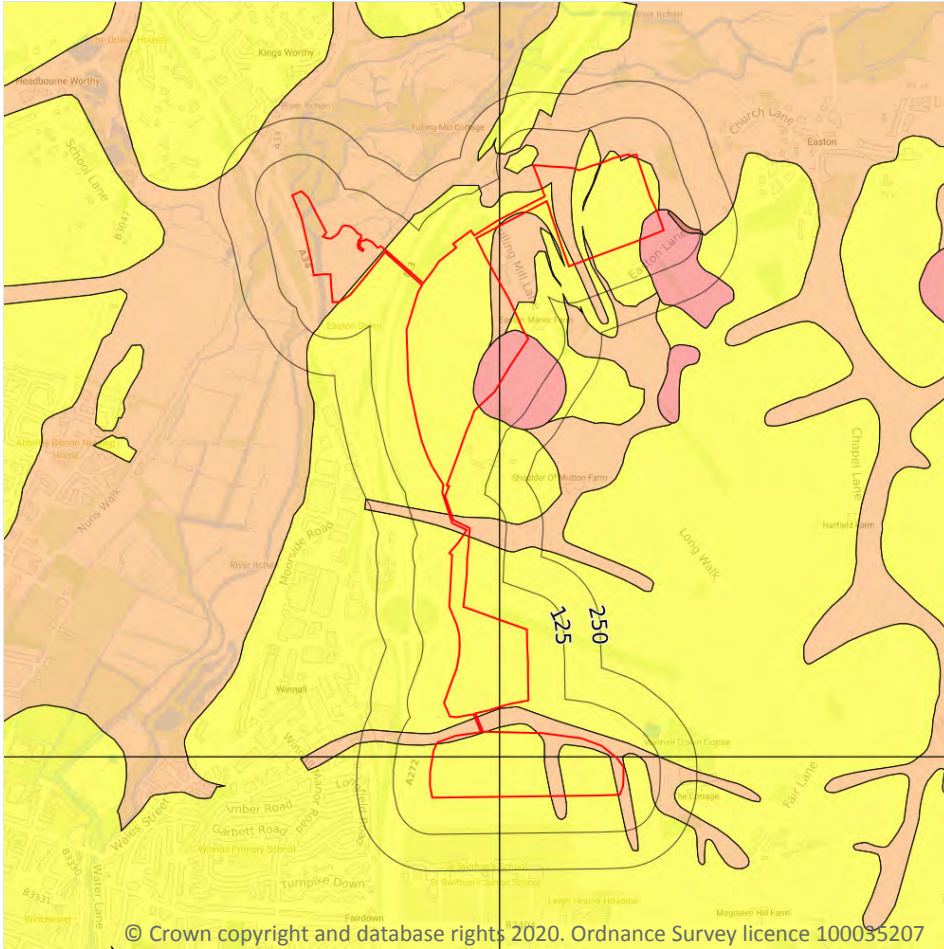
Location	Hazard rating	Details
On site	Negligible	Slope instability problems are not thought to occur but consideration to potential problems of adjacent areas impacting on the site should always be considered.

Location	Hazard rating	Details
On site	Very low	Slope instability problems are not likely to occur but consideration to potential problems of adjacent areas impacting on the site should always be considered.
On site	Low	Slope instability problems may be present or anticipated. Site investigation should consider specifically the slope stability of the site.
5m NW	Low	Slope instability problems may be present or anticipated. Site investigation should consider specifically the slope stability of the site.
11m W	Low	Slope instability problems may be present or anticipated. Site investigation should consider specifically the slope stability of the site.
19m NE	Negligible	Slope instability problems are not thought to occur but consideration to potential problems of adjacent areas impacting on the site should always be considered.

This data is sourced from the British Geological Survey.



Natural ground subsidence - Ground dissolution of soluble rocks



— Site Outline
Search buffers in metres (m)

- No data
- Negligible
- Very low
- Low
- Moderate
- High

17.6 Ground dissolution of soluble rocks

Records within 50m

6

The potential hazard presented by ground dissolution, which occurs when water passing through soluble rocks produces underground cavities and cave systems. These cavities reduce support to the ground above and can cause localised collapse of the overlying rocks and deposits.

Features are displayed on the Natural ground subsidence - Ground dissolution of soluble rocks map on **page 179**

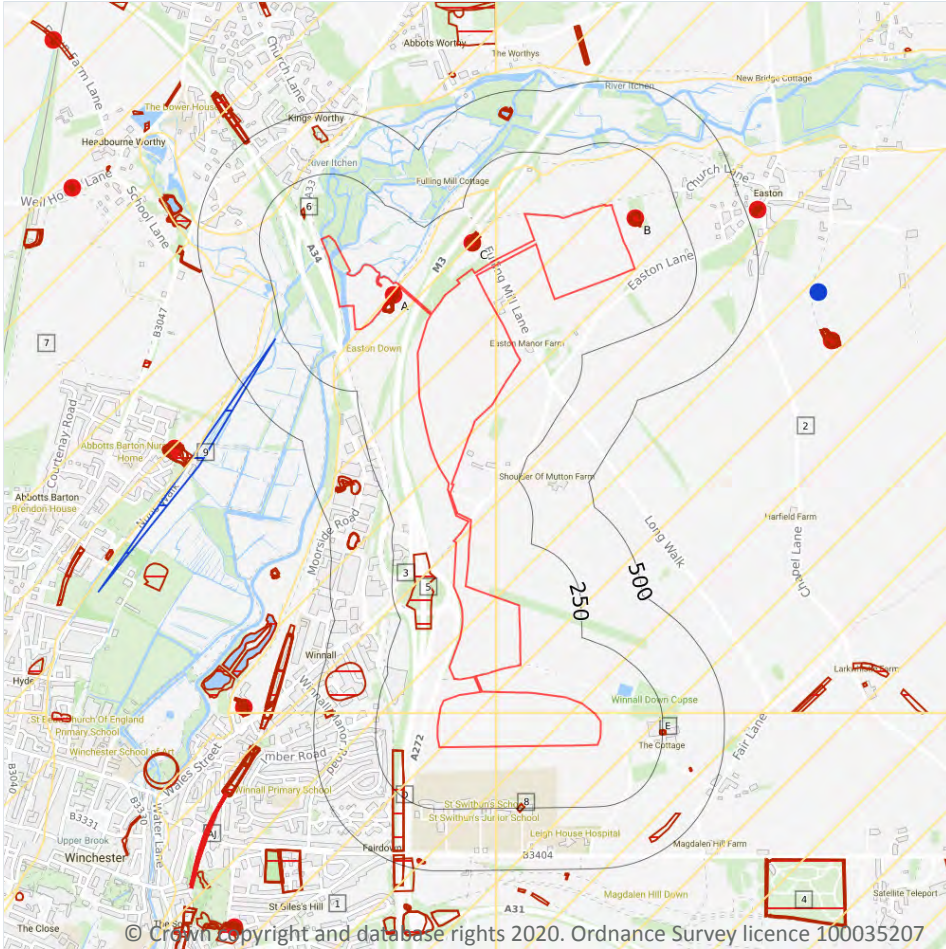
Location	Hazard rating	Details
On site	Very low	Soluble rocks are present within the ground. Few dissolution features are likely to be present. Potential for difficult ground conditions or localised subsidence are at a level where they need not be considered.

Location	Hazard rating	Details
On site	Low	Soluble rocks are present within the ground. Some dissolution features may be present. Potential for difficult ground conditions are at a level where they may be considered, localised subsidence need not be considered except in exceptional circumstances.
On site	Moderate	Soluble rocks are present within the ground. Many dissolution features may be present. Potential for difficult ground conditions are at a level where they should be considered. Potential for subsidence is at a level where it may need to be considered.
5m NW	Very low	Soluble rocks are present within the ground. Few dissolution features are likely to be present. Potential for difficult ground conditions or localised subsidence are at a level where they need not be considered.
19m NE	Very low	Soluble rocks are present within the ground. Few dissolution features are likely to be present. Potential for difficult ground conditions or localised subsidence are at a level where they need not be considered.
34m E	High	Soluble rocks are present within the ground. Numerous dissolution features may be present. Potential for difficult ground conditions should be investigated. Potential for localised subsidence is at a level where it should be considered.

This data is sourced from the British Geological Survey.



18 Mining, ground workings and natural cavities



- Site Outline
- Search buffers in metres (m)
- Natural cavities (Area)
- Natural cavities (Point)
- BritPits
- Surface ground workings
- Underground workings
- Historical Mineral Planning Areas
- Mining Cavities
- Non Coal Mining
- Sporadic underground mining of restricted extent possible
- Localised small scale underground mining possible
- Small scale mining possible
- Underground mining known or likely within or in close proximity
- Underground mining known within or in very close proximity

18.1 Natural cavities

Records within 500m

1

Industry recognised national database of natural cavities. Sinkholes and caves are formed by the dissolution of soluble rock, such as chalk and limestone, gulls and fissures by cambering. Ground instability can result from movement of loose material contained within these cavities, often triggered by water.

Features are displayed on the Mining, ground workings and natural cavities map on **page 181**

ID	Location	Details	Source
9	301m SW	Type: Solution Pipe x 10 Superficial Geology: Alluvium, River Terrace Deposits Bedrock Geology: Chalk Group	Simple Bibliography: Winchester City Council Full Bibliography: - Confidentiality: Data source can be revealed, data can be used freely

This data is sourced from Peter Brett Associates (PBA).

18.2 BritPits

Records within 500m

3

BritPits (an abbreviation of British Pits) is a database maintained by the British Geological Survey of currently active and closed surface and underground mineral workings. Details of major mineral handling sites, such as wharfs and rail depots are also held in the database.

Features are displayed on the Mining, ground workings and natural cavities map on **page 181**

ID	Location	Details	Description
A	On site	Name: Easton Down Chalk Pit Address: Easton, WINCHESTER, Hampshire Commodity: Chalk Status: A surface mineral working. It may be termed Quarry, Sand Pit, Clay Pit or Opencast Coal Site	Type: Ceased Status description: Site which, at date of entry, has ceased to extract minerals. May be considered as Closed by operator. May be considered to have Active, Dormant or Expired planning permissions by Mineral Planning Authority
B	76m E	Name: Easton Chalk Pit Address: Easton, WINCHESTER, Hampshire Commodity: Chalk Status: A surface mineral working. It may be termed Quarry, Sand Pit, Clay Pit or Opencast Coal Site	Type: Ceased Status description: Site which, at date of entry, has ceased to extract minerals. May be considered as Closed by operator. May be considered to have Active, Dormant or Expired planning permissions by Mineral Planning Authority
C	106m N	Name: Easton Down Chalk Pit Address: Easton, WINCHESTER, Hampshire Commodity: Chalk Status: A surface mineral working. It may be termed Quarry, Sand Pit, Clay Pit or Opencast Coal Site	Type: Ceased Status description: Site which, at date of entry, has ceased to extract minerals. May be considered as Closed by operator. May be considered to have Active, Dormant or Expired planning permissions by Mineral Planning Authority

This data is sourced from the British Geological Survey.

18.3 Surface ground workings

Records within 250m

35

Historical land uses identified from Ordnance Survey mapping that involved ground excavation at the surface. These features may or may not have been subsequently backfilled.

Features are displayed on the Mining, ground workings and natural cavities map on **page 181**

ID	Location	Land Use	Year of mapping	Mapping scale
A	On site	Unspecified Ground Workings	1938	1:10560
A	On site	Chalk Pit	1931	1:10560



ID	Location	Land Use	Year of mapping	Mapping scale
A	On site	Chalk Pit	1908	1:10560
A	On site	Chalk Pit	1895	1:10560
A	On site	Chalk Pit	1898	1:10560
A	On site	Chalk Pit	1898	1:10560
A	On site	Unspecified Ground Workings	1966	1:10560
B	51m E	Unspecified Pit	1968	1:10560
B	51m E	Unspecified Pit	1957	1:10560
B	56m E	Old Chalk Pit	1897	1:10560
B	56m E	Unspecified Pits	1869	1:10560
B	58m E	Old Chalk Pit	1910	1:10560
B	58m E	Old Chalk Pit	1895	1:10560
B	61m E	Unspecified Pit	1987	1:10000
5	76m W	Cuttings	1987	1:10000
C	77m N	Chalk Pit	1938	1:10560
C	77m N	Chalk Pit	1895	1:10560
C	78m N	Unspecified Disused Pit	1987	1:10000
C	78m N	Unspecified Pit	1969	1:10560
C	78m N	Unspecified Disused Pit	1975	1:10000
C	78m N	Chalk Pit	1908	1:10560
C	79m N	Chalk Pit	1931	1:10560
C	79m NW	Chalk Pit	1966	1:10560
C	81m N	Unspecified Pit	1869	1:10560
C	81m N	Chalk Pit	1961	1:10560
C	83m N	Chalk Pit	1898	1:10560
C	83m N	Chalk Pit	1898	1:10560
6	110m NW	Pond	1969	1:10560
D	149m W	Cuttings	1957	1:10560
D	149m W	Cuttings	1981	1:10000



ID	Location	Land Use	Year of mapping	Mapping scale
D	149m W	Cuttings	1968	1:10560
8	234m S	Pool	1968	1:10560
E	239m E	Unspecified Pit	1957	1:10560
E	244m E	Unspecified Pit	1931	1:10560
E	246m E	Unspecified Pit	1938	1:10560

This is data is sourced from Ordnance Survey/Groundsure.

18.4 Underground workings

Records within 1000m

8

Historical land uses identified from Ordnance Survey mapping that indicate the presence of underground workings e.g. mine shafts.

Features are displayed on the Mining, ground workings and natural cavities map on **page 181**

ID	Location	Land Use	Year of mapping	Mapping scale
AJ	880m W	Tunnel	1938	1:10560
AJ	880m W	Tunnel	1931	1:10560
AJ	880m W	Tunnel	1908	1:10560
AJ	880m W	Tunnel	1895	1:10560
AJ	884m W	Tunnel	1989	1:10000
AJ	884m W	Tunnel	1957	1:10560
AJ	884m W	Tunnel	1981	1:10000
AJ	884m W	Tunnel	1968	1:10560

This is data is sourced from Ordnance Survey/Groundsure.

18.5 Historical Mineral Planning Areas

Records within 500m

0

Boundaries of mineral planning permissions for England and Wales. This data was collated between the 1940s (and retrospectively to the 1930s) and the mid 1980s. The data includes permitted, withdrawn and refused permissions.

This data is sourced from the British Geological Survey.



18.6 Non-coal mining

Records within 1000m

6

The potential for historical non-coal mining to have affected an area. The assessment is drawn from expert knowledge and literature in addition to the digital geological map of Britain. Mineral commodities may be divided into seven general categories - vein minerals, chalk, oil shale, building stone, bedded ores, evaporites and 'other' commodities (including ball clay, jet, black marble, graphite and chert).

Features are displayed on the Mining, ground workings and natural cavities map on **page 181**

ID	Location	Name	Commodity	Class	Likelihood
1	On site	Not available	Chalk	A	Sporadic underground mining of restricted extent may have occurred. Potential for difficult ground conditions are unlikely and localised and are at a level where they need not be considered
2	On site	Not available	Chalk	A	Sporadic underground mining of restricted extent may have occurred. Potential for difficult ground conditions are unlikely and localised and are at a level where they need not be considered
3	On site	Not available	Chalk	A	Sporadic underground mining of restricted extent may have occurred. Potential for difficult ground conditions are unlikely and localised and are at a level where they need not be considered
4	On site	Not available	Chalk	A	Sporadic underground mining of restricted extent may have occurred. Potential for difficult ground conditions are unlikely and localised and are at a level where they need not be considered
7	214m NW	Not available	Chalk	A	Sporadic underground mining of restricted extent may have occurred. Potential for difficult ground conditions are unlikely and localised and are at a level where they need not be considered
14	504m N	Not available	Chalk	A	Sporadic underground mining of restricted extent may have occurred. Potential for difficult ground conditions are unlikely and localised and are at a level where they need not be considered

This data is sourced from the British Geological Survey.



18.7 Mining cavities

Records within 1000m **0**

Industry recognised national database of mining cavities. Degraded mines may result in hazardous subsidence (crown holes). Climatic conditions and water escape can also trigger subsidence over mine entrances and workings.

This data is sourced from Peter Brett Associates (PBA).

18.8 JPB mining areas

Records on site **0**

Areas which could be affected by former coal mining. This data includes some mine plans unavailable to the Coal Authority.

This data is sourced from Johnson Poole and Bloomer.

18.9 Coal mining

Records on site **0**

Areas which could be affected by past, current or future coal mining.

This data is sourced from the Coal Authority.

18.10 Brine areas

Records on site **0**

The Cheshire Brine Compensation District indicates areas that may be affected by salt and brine extraction in Cheshire and where compensation would be available where damage from this mining has occurred. Damage from salt and brine mining can still occur outside this district, but no compensation will be available.

This data is sourced from the Cheshire Brine Subsidence Compensation Board.

18.11 Gypsum areas

Records on site **0**

Generalised areas that may be affected by gypsum extraction.

This data is sourced from British Gypsum.



18.12 Tin mining

Records on site

0

Generalised areas that may be affected by historical tin mining.

This data is sourced from Mining Searches UK.

18.13 Clay mining

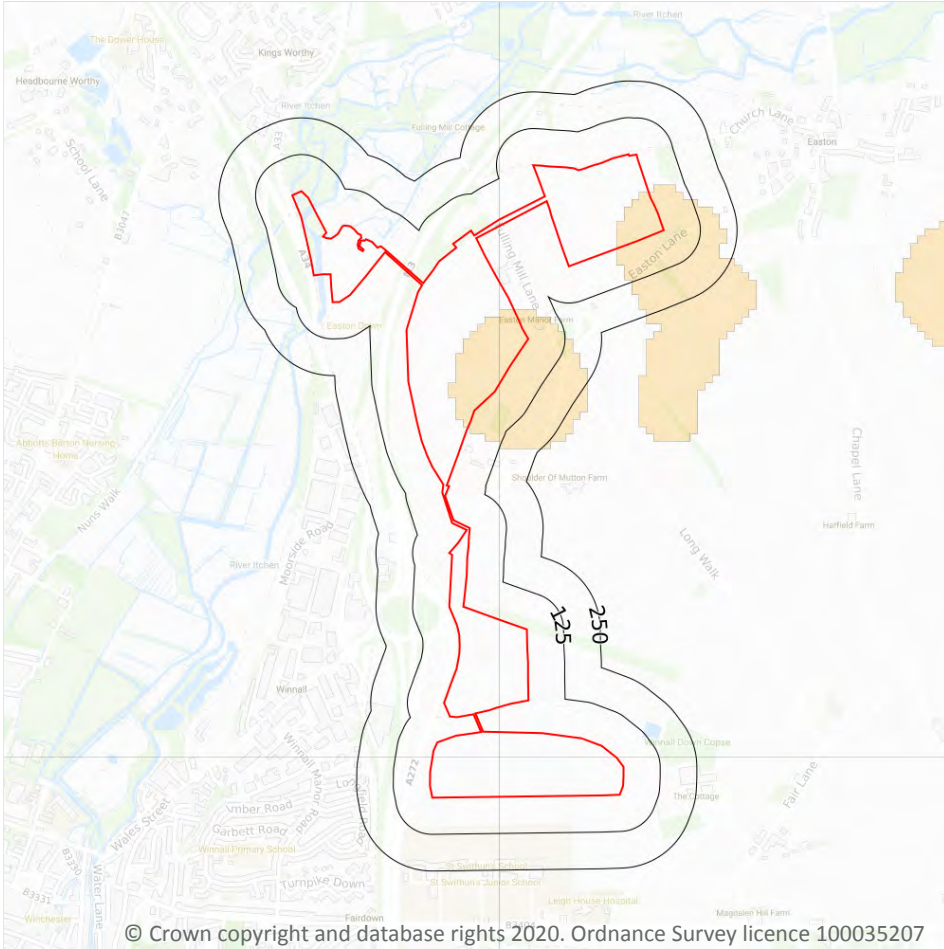
Records on site

0

Generalised areas that may be affected by kaolin and ball clay extraction.

This data is sourced from the Kaolin and Ball Clay Association (UK).

19 Radon



— Site Outline
Search buffers in metres (m)

- Greater than 30%
- Between 10% and 30%
- Between 5% and 10%
- Between 3% and 5%
- Between 1% and 3%
- Less than 1%

19.1 Radon

Records on site

2

Estimated percentage of dwellings exceeding the Radon Action Level. This data is the highest resolution radon dataset available for the UK and is produced to a 75m level of accuracy to allow for geological data accuracy and a 'residential property' buffer. The findings of this section should supersede any estimations derived from the Indicative Atlas of Radon in Great Britain. The data was derived from both geological assessments and long term measurements of radon in more than 479,000 households.

Features are displayed on the Radon map on **page 188**

Location	Estimated properties affected	Radon Protection Measures required
On site	Between 3% and 5%	Basic
On site	Less than 1%	None**



This data is sourced from the British Geological Survey and Public Health England.



20 Soil chemistry

20.1 BGS Estimated Background Soil Chemistry

Records within 50m

52

The estimated values provide the likely background concentration of the potentially harmful elements Arsenic, Cadmium, Chromium, Lead and Nickel in topsoil. The values are estimated primarily from rural topsoil data collected at a sample density of approximately 1 per 2 km². In areas where rural soil samples are not available, estimation is based on stream sediment data collected from small streams at a sampling density of 1 per 2.5 km²; this is the case for most of Scotland, Wales and southern England. The stream sediment data are converted to soil-equivalent concentrations prior to the estimation.

Location	Arsenic	Bioaccessible Arsenic	Lead	Bioaccessible Lead	Cadmium	Chromium	Nickel
On site	15 mg/kg	No data	100 - 200 mg/kg	60 - 120 mg/kg	1.8 mg/kg	60 - 90 mg/kg	15 - 30 mg/kg
On site	15 mg/kg	No data	100 - 200 mg/kg	60 - 120 mg/kg	1.8 mg/kg	60 - 90 mg/kg	15 - 30 mg/kg
On site	15 mg/kg	No data	100 - 200 mg/kg	60 - 120 mg/kg	1.8 mg/kg	90 - 120 mg/kg	15 - 30 mg/kg
On site	15 mg/kg	No data	100 - 200 mg/kg	60 - 120 mg/kg	1.8 mg/kg	60 - 90 mg/kg	15 - 30 mg/kg
On site	15 mg/kg	No data	100 - 200 mg/kg	60 - 120 mg/kg	1.8 mg/kg	60 - 90 mg/kg	15 - 30 mg/kg
On site	15 mg/kg	No data	100 - 200 mg/kg	60 - 120 mg/kg	1.8 mg/kg	90 - 120 mg/kg	15 - 30 mg/kg
On site	15 mg/kg	No data	200 - 300 mg/kg	120 - 240 mg/kg	1.8 mg/kg	60 - 90 mg/kg	15 - 30 mg/kg
On site	15 mg/kg	No data	100 mg/kg	60 mg/kg	1.8 mg/kg	60 - 90 mg/kg	15 - 30 mg/kg
On site	15 mg/kg	No data	100 mg/kg	60 mg/kg	1.8 mg/kg	60 - 90 mg/kg	15 - 30 mg/kg
On site	15 mg/kg	No data	100 mg/kg	60 mg/kg	1.8 mg/kg	90 - 120 mg/kg	15 - 30 mg/kg
On site	15 mg/kg	No data	100 mg/kg	60 mg/kg	1.8 mg/kg	90 - 120 mg/kg	15 - 30 mg/kg
On site	15 mg/kg	No data	100 mg/kg	60 mg/kg	1.8 mg/kg	60 - 90 mg/kg	15 mg/kg



Location	Arsenic	Bioaccessible Arsenic	Lead	Bioaccessible Lead	Cadmium	Chromium	Nickel
On site	15 mg/kg	No data	100 - 200 mg/kg	60 - 120 mg/kg	1.8 mg/kg	60 - 90 mg/kg	15 - 30 mg/kg
On site	15 mg/kg	No data	100 - 200 mg/kg	60 - 120 mg/kg	1.8 mg/kg	60 - 90 mg/kg	15 - 30 mg/kg
On site	15 mg/kg	No data	100 - 200 mg/kg	60 - 120 mg/kg	1.8 mg/kg	60 - 90 mg/kg	15 - 30 mg/kg
On site	15 mg/kg	No data	100 - 200 mg/kg	60 - 120 mg/kg	1.8 mg/kg	60 - 90 mg/kg	15 - 30 mg/kg
On site	15 mg/kg	No data	100 - 200 mg/kg	60 - 120 mg/kg	1.8 mg/kg	60 - 90 mg/kg	15 - 30 mg/kg
On site	15 mg/kg	No data	100 mg/kg	60 mg/kg	1.8 mg/kg	60 - 90 mg/kg	15 - 30 mg/kg
On site	15 mg/kg	No data	100 mg/kg	60 mg/kg	1.8 mg/kg	90 - 120 mg/kg	15 - 30 mg/kg
On site	15 mg/kg	No data	100 mg/kg	60 mg/kg	1.8 mg/kg	90 - 120 mg/kg	15 - 30 mg/kg
On site	15 mg/kg	No data	100 - 200 mg/kg	60 - 120 mg/kg	1.8 mg/kg	60 - 90 mg/kg	15 mg/kg
On site	15 mg/kg	No data	100 mg/kg	60 mg/kg	1.8 mg/kg	60 - 90 mg/kg	15 - 30 mg/kg
On site	15 mg/kg	No data	100 mg/kg	60 mg/kg	1.8 mg/kg	90 - 120 mg/kg	15 - 30 mg/kg
On site	15 mg/kg	No data	100 - 200 mg/kg	60 - 120 mg/kg	1.8 mg/kg	60 - 90 mg/kg	15 - 30 mg/kg
On site	15 mg/kg	No data	100 - 200 mg/kg	60 - 120 mg/kg	1.8 mg/kg	60 - 90 mg/kg	15 - 30 mg/kg
On site	15 mg/kg	No data	100 - 200 mg/kg	60 - 120 mg/kg	1.8 mg/kg	90 - 120 mg/kg	15 - 30 mg/kg
On site	15 mg/kg	No data	100 - 200 mg/kg	60 - 120 mg/kg	1.8 mg/kg	60 - 90 mg/kg	15 - 30 mg/kg
On site	15 mg/kg	No data	100 - 200 mg/kg	60 - 120 mg/kg	1.8 mg/kg	90 - 120 mg/kg	15 - 30 mg/kg
On site	15 mg/kg	No data	100 - 200 mg/kg	60 - 120 mg/kg	1.8 mg/kg	60 - 90 mg/kg	15 - 30 mg/kg
On site	15 mg/kg	No data	100 - 200 mg/kg	60 - 120 mg/kg	1.8 mg/kg	60 - 90 mg/kg	15 - 30 mg/kg



Location	Arsenic	Bioaccessible Arsenic	Lead	Bioaccessible Lead	Cadmium	Chromium	Nickel
On site	15 mg/kg	No data	100 - 200 mg/kg	60 - 120 mg/kg	1.8 mg/kg	60 - 90 mg/kg	15 - 30 mg/kg
On site	15 mg/kg	No data	100 - 200 mg/kg	60 - 120 mg/kg	1.8 mg/kg	60 - 90 mg/kg	15 - 30 mg/kg
On site	15 mg/kg	No data	100 - 200 mg/kg	60 - 120 mg/kg	1.8 mg/kg	60 - 90 mg/kg	15 - 30 mg/kg
On site	15 mg/kg	No data	100 mg/kg	60 mg/kg	1.8 mg/kg	60 - 90 mg/kg	15 mg/kg
On site	15 mg/kg	No data	100 - 200 mg/kg	60 - 120 mg/kg	1.8 mg/kg	60 - 90 mg/kg	15 mg/kg
On site	15 mg/kg	No data	100 mg/kg	60 mg/kg	1.8 mg/kg	60 - 90 mg/kg	15 - 30 mg/kg
On site	15 mg/kg	No data	100 - 200 mg/kg	60 - 120 mg/kg	1.8 mg/kg	60 - 90 mg/kg	15 - 30 mg/kg
On site	15 mg/kg	No data	100 - 200 mg/kg	60 - 120 mg/kg	1.8 mg/kg	60 - 90 mg/kg	15 - 30 mg/kg
On site	15 mg/kg	No data	100 - 200 mg/kg	60 - 120 mg/kg	1.8 mg/kg	60 - 90 mg/kg	15 - 30 mg/kg
On site	15 mg/kg	No data	100 mg/kg	60 mg/kg	1.8 mg/kg	60 - 90 mg/kg	15 mg/kg
On site	15 mg/kg	No data	100 - 200 mg/kg	60 - 120 mg/kg	1.8 mg/kg	60 - 90 mg/kg	15 - 30 mg/kg
On site	15 mg/kg	No data	100 - 200 mg/kg	60 - 120 mg/kg	1.8 mg/kg	60 - 90 mg/kg	15 - 30 mg/kg
On site	15 mg/kg	No data	100 - 200 mg/kg	60 - 120 mg/kg	1.8 mg/kg	60 - 90 mg/kg	15 - 30 mg/kg
On site	15 mg/kg	No data	200 - 300 mg/kg	120 - 240 mg/kg	1.8 mg/kg	60 - 90 mg/kg	15 - 30 mg/kg
On site	15 mg/kg	No data	200 - 300 mg/kg	120 - 240 mg/kg	1.8 mg/kg	60 - 90 mg/kg	15 mg/kg
On site	15 mg/kg	No data	100 - 200 mg/kg	60 - 120 mg/kg	1.8 mg/kg	60 - 90 mg/kg	15 - 30 mg/kg
On site	15 mg/kg	No data	100 - 200 mg/kg	60 - 120 mg/kg	1.8 mg/kg	60 - 90 mg/kg	15 - 30 mg/kg
13m NE	15 mg/kg	No data	200 - 300 mg/kg	120 - 240 mg/kg	1.8 mg/kg	60 - 90 mg/kg	15 mg/kg
16m NE	15 mg/kg	No data	200 - 300 mg/kg	120 - 240 mg/kg	1.8 mg/kg	60 - 90 mg/kg	15 - 30 mg/kg



Location	Arsenic	Bioaccessible Arsenic	Lead	Bioaccessible Lead	Cadmium	Chromium	Nickel
16m NE	15 mg/kg	No data	200 - 300 mg/kg	120 - 240 mg/kg	1.8 mg/kg	60 - 90 mg/kg	15 - 30 mg/kg
18m SE	15 mg/kg	No data	100 - 200 mg/kg	60 - 120 mg/kg	1.8 mg/kg	60 - 90 mg/kg	15 - 30 mg/kg
31m SE	15 mg/kg	No data	100 - 200 mg/kg	60 - 120 mg/kg	1.8 mg/kg	60 - 90 mg/kg	15 - 30 mg/kg
50m W	15 mg/kg	No data	100 mg/kg	60 mg/kg	1.8 mg/kg	90 - 120 mg/kg	15 - 30 mg/kg

This data is sourced from the British Geological Survey.

20.2 BGS Estimated Urban Soil Chemistry

Records within 50m

0

Estimated topsoil chemistry of Arsenic, Cadmium, Chromium, Copper, Nickel, Lead, Tin and Zinc and bioaccessible Arsenic and Lead in 23 urban centres across Great Britain. These estimates are derived from interpolation of the measured urban topsoil data referred to above and provide information across each city between the measured sample locations (4 per km²).

This data is sourced from the British Geological Survey.

20.3 BGS Measured Urban Soil Chemistry

Records within 50m

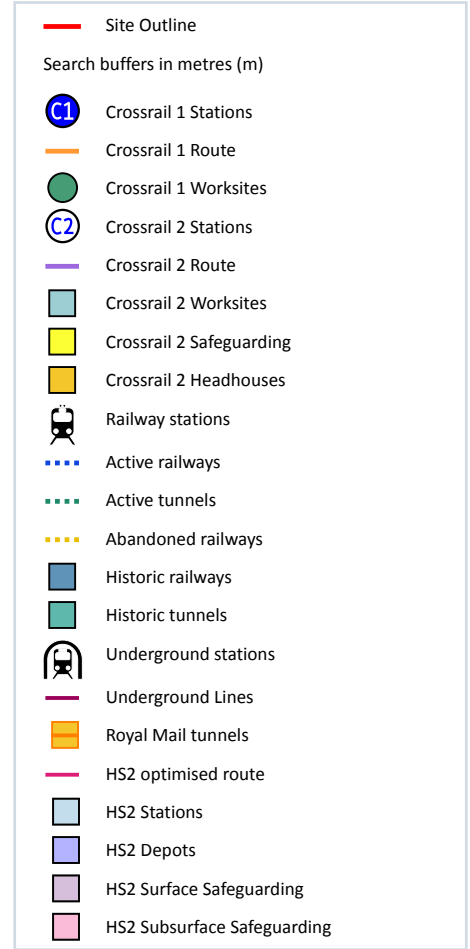
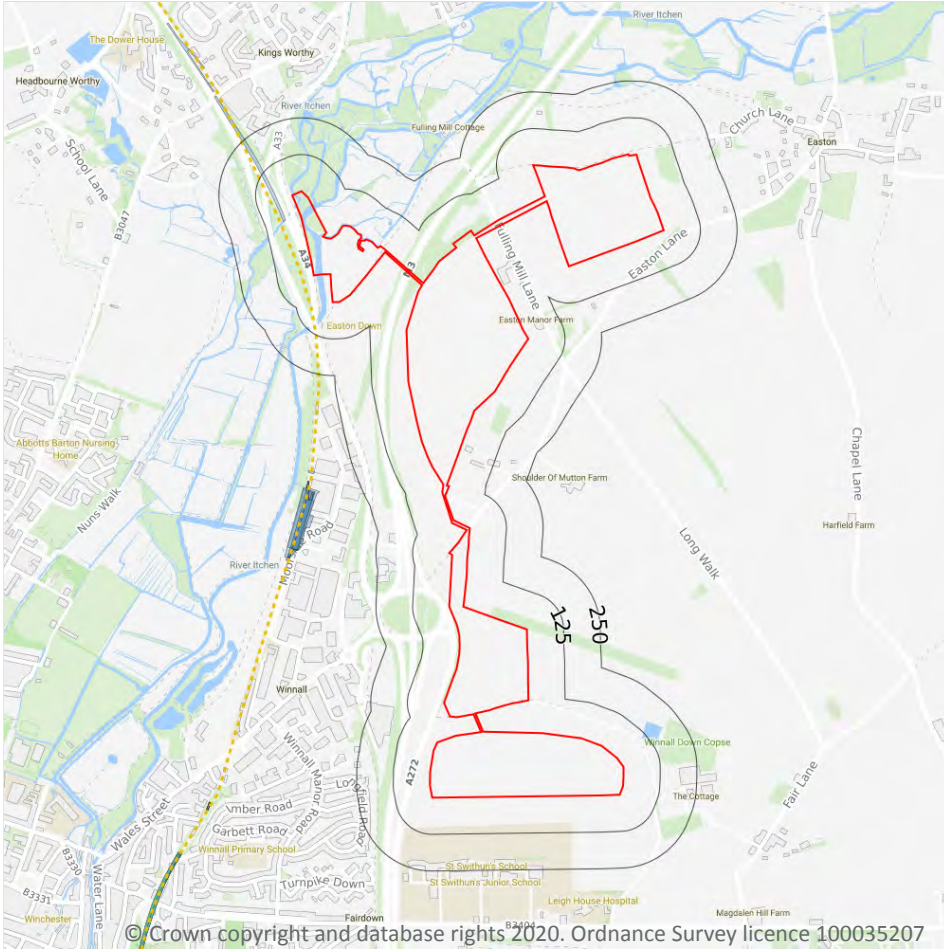
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The locations and measured total concentrations (mg/kg) of Arsenic, Cadmium, Chromium, Copper, Nickel, Lead, Tin and Zinc in urban topsoil samples from 23 urban centres across Great Britain. These are collected at a sample density of 4 per km².

This data is sourced from the British Geological Survey.



21 Railway infrastructure and projects



21.1 Underground railways (London)

Records within 250m

0

Details of all active London Underground lines, including approximate tunnel roof depth and operational hours.

This data is sourced from publicly available information by Groundsure.

21.2 Underground railways (Non-London)

Records within 250m

0

Details of the Merseyrail system, the Tyne and Wear Metro and the Glasgow Subway. Not all parts of all systems are located underground. The data contains location information only and does not include a depth assessment.

This data is sourced from publicly available information by Groundsure.

21.3 Railway tunnels

Records within 250m

0

Railway tunnels taken from contemporary Ordnance Survey mapping.

This data is sourced from the Ordnance Survey.

21.4 Historical railway and tunnel features

Records within 250m

1

Railways and tunnels digitised from historical Ordnance Survey mapping as scales of 1:1,250, 1:2,500, 1:10,000 and 1:10,560.

Features are displayed on the Railway infrastructure and projects map on **page 194**

Location	Land Use	Year of mapping	Mapping scale
52m SW	Railway Sidings	1966	10560

This data is sourced from Ordnance Survey/Groundsure.

21.5 Royal Mail tunnels

Records within 250m

0

The Post Office Railway, otherwise known as the Mail Rail, is an underground railway running through Central London from Paddington Head District Sorting Office to Whitechapel Eastern Head Sorting Office. The line is 10.5km long. The data includes details of the full extent of the tunnels, the depth of the tunnel, and the depth to track level.

This data is sourced from Groundsure/the Postal Museum.

21.6 Historical railways

Records within 250m

1

Former railway lines, including dismantled lines, abandoned lines, disused lines, historic railways and razed lines.

Features are displayed on the Railway infrastructure and projects map on **page 194**

Location	Description
40m W	Abandoned



This data is sourced from OpenStreetMap.

21.7 Railways

Records within 250m

0

Currently existing railway lines, including standard railways, narrow gauge, funicular, trams and light railways.

This data is sourced from Ordnance Survey and OpenStreetMap.

21.8 Crossrail 1

Records within 500m

0

The Crossrail railway project links 41 stations over 100 kilometres from Reading and Heathrow in the west, through underground sections in central London, to Shenfield and Abbey Wood in the east.

This data is sourced from publicly available information by Groundsure.

21.9 Crossrail 2

Records within 500m

0

Crossrail 2 is a proposed railway linking the national rail networks in Surrey and Hertfordshire via an underground tunnel through London.

This data is sourced from publicly available information by Groundsure.

21.10 HS2

Records within 500m

0

HS2 is a proposed high speed rail network running from London to Manchester and Leeds via Birmingham. Main civils construction on Phase 1 (London to Birmingham) of the project began in 2019, and it is currently anticipated that this phase will be fully operational by 2026. Construction on Phase 2a (Birmingham to Crewe) is anticipated to commence in 2021, with the service fully operational by 2027. Construction on Phase 2b (Crewe to Manchester and Birmingham to Leeds) is scheduled to begin in 2023 and be operational by 2033.

This data is sourced from HS2 Ltd.



Data providers

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449969.3362893146,
131042.05233653993

Client Ref: 33689_M3J9-Site_2
Report Ref: GS-7137933
Grid Ref: 449926, 130957

Map Name: County Series

Map date: 1874

Scale: 1:10,560

Printed at: 1:10,560



Surveyed 1869
Revised N/A
Edition 1874
Copyright N/A
Levelled 1873

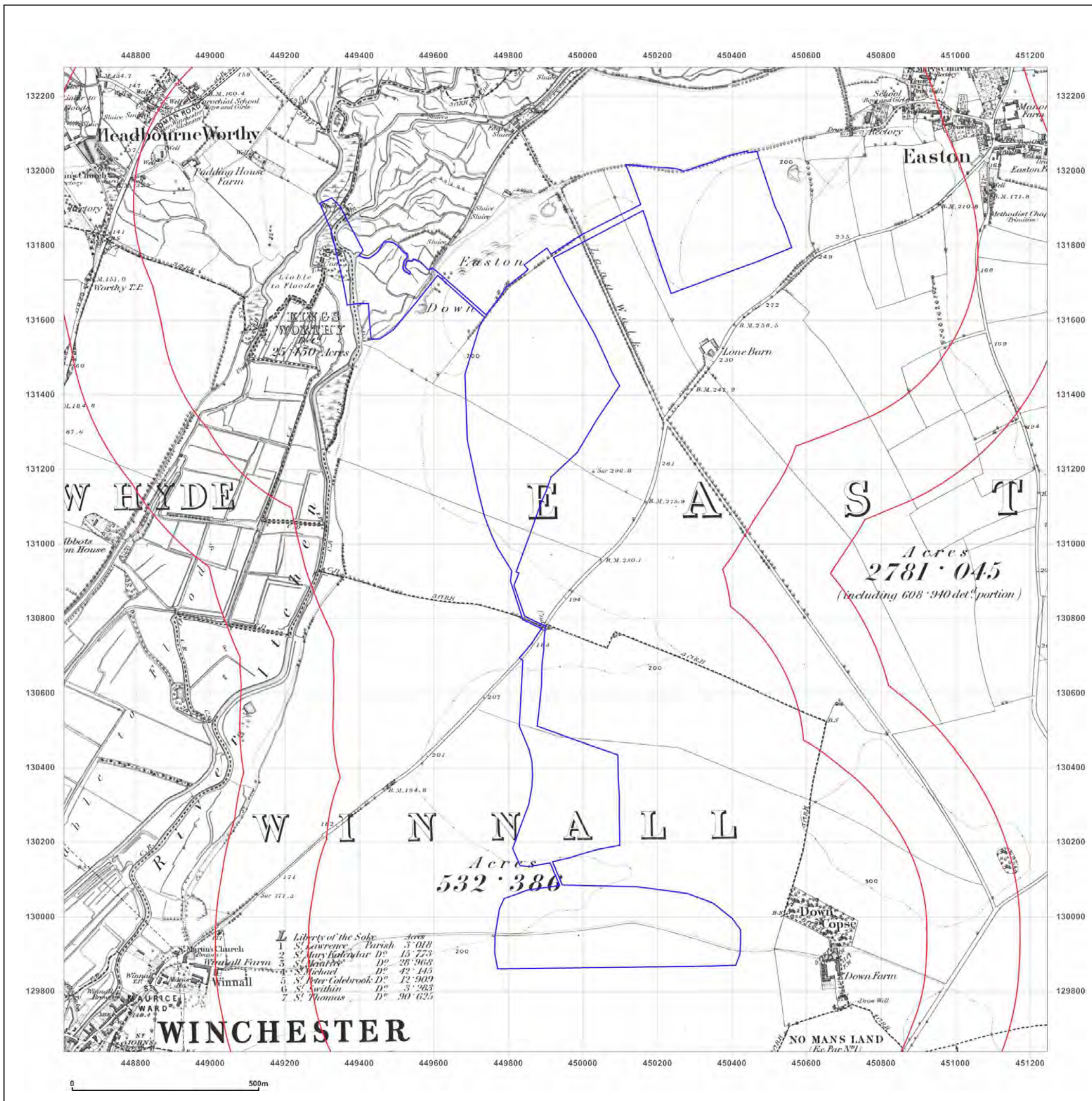


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131042.05233653993

Client Ref: 33689-_M3J9-Site_2
Report Ref: GS-7137933
Grid Ref: 449926, 130957

Map Name: County Series


Map date: 1895-1897

Scale: 1:10,560

Printed at: 1:10,560



Surveyed 1869
Revised N/A
Edition N/A
Copyright N/A
Levelled N/A



Surveyed 1871
Revised 1895
Edition N/A
Copyright N/A
Levelled N/A

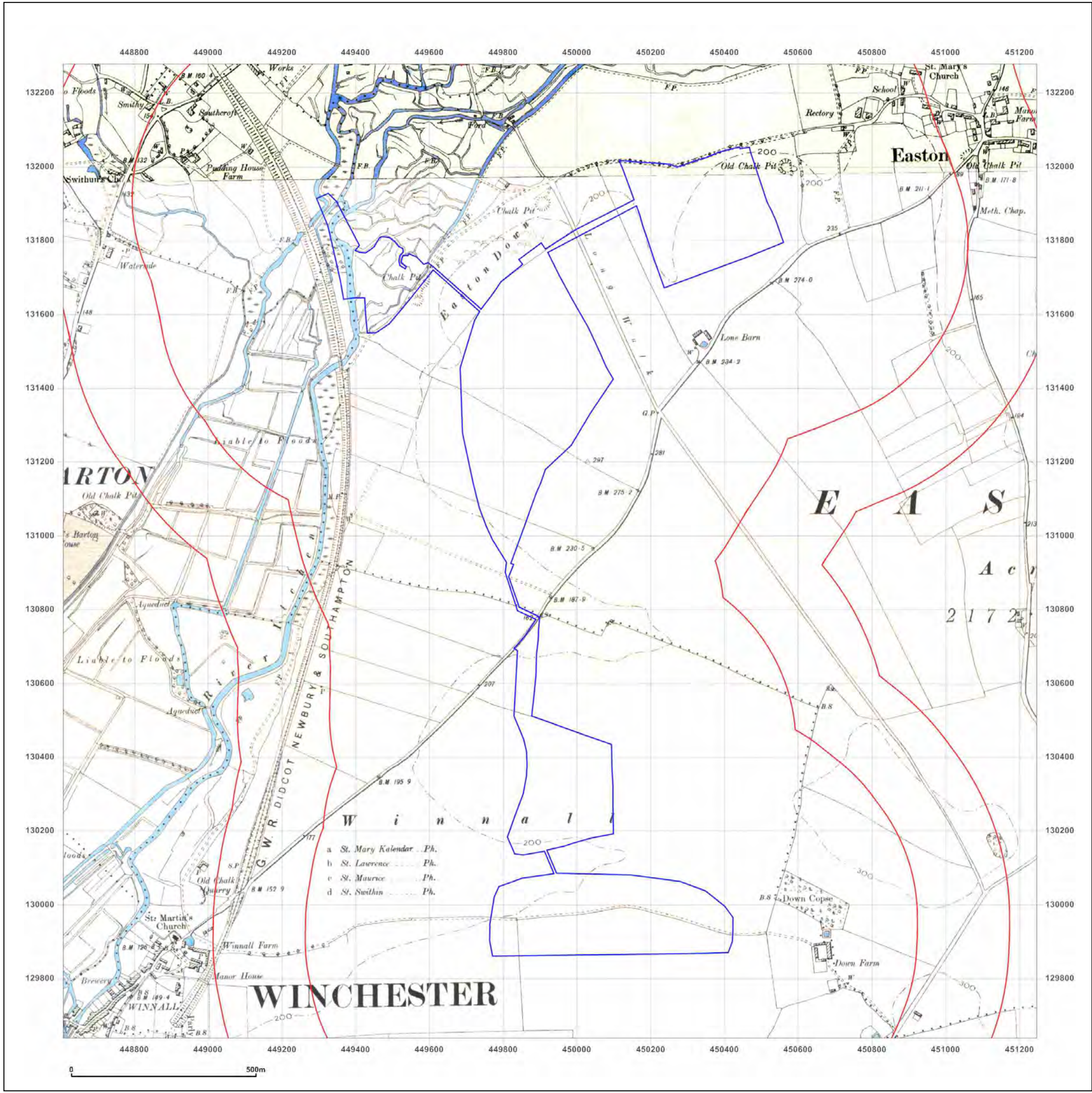


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Report Ref: GS-7137933
Grid Ref: 449926, 130957

Map Name: County Series

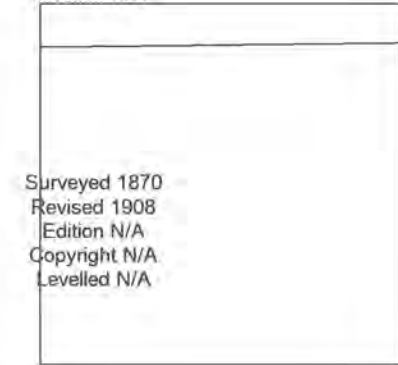
Map date: 1908-1910

Scale: 1:10,560

Printed at: 1:10,560



Surveyed 1870
Revised 1910
Edition N/A
Copyright N/A
Levelled N/A



Surveyed 1870
Revised 1908
Edition N/A
Copyright N/A
Levelled N/A

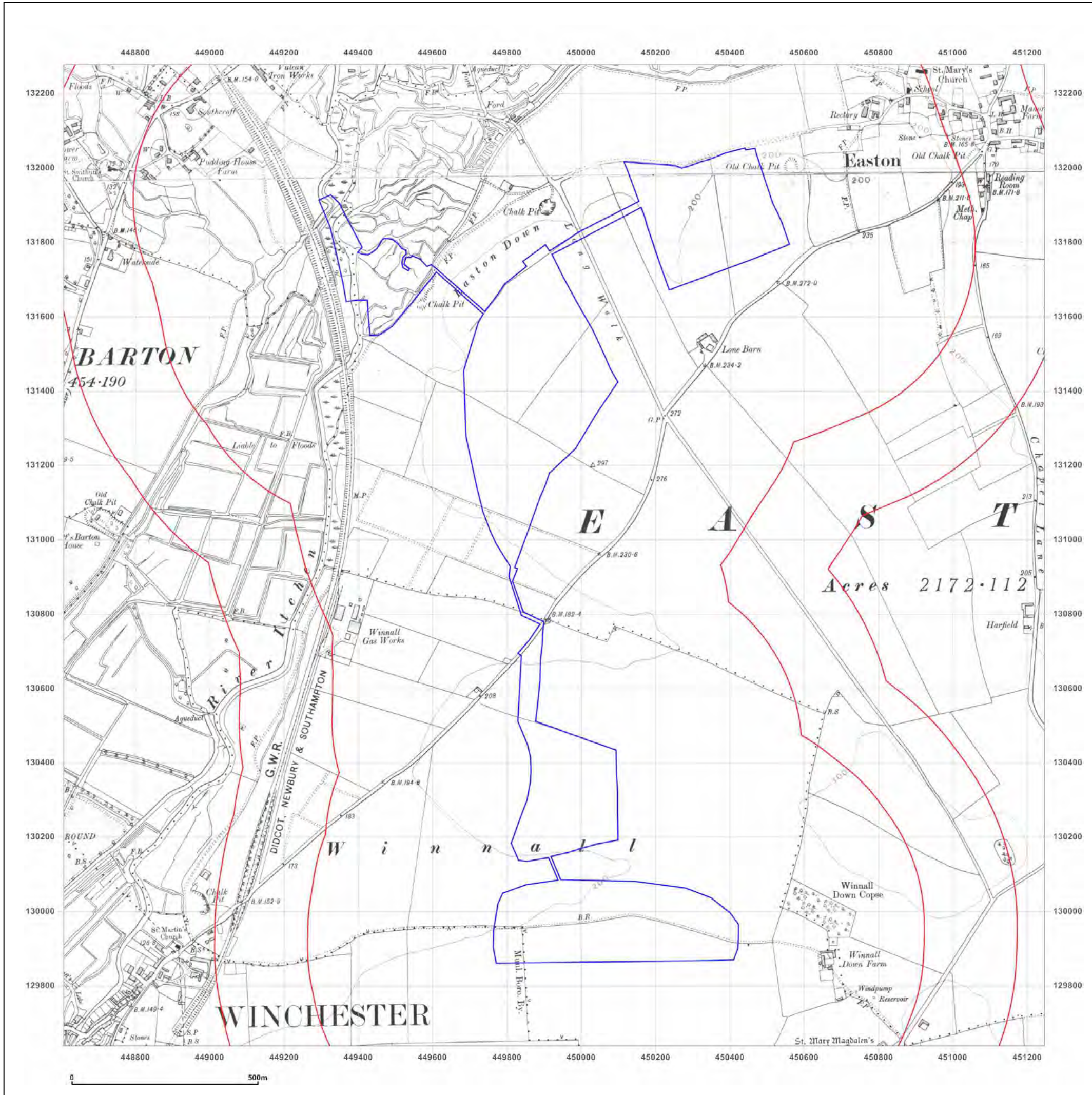


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Production date: 07 October 2020

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131042.05233653993

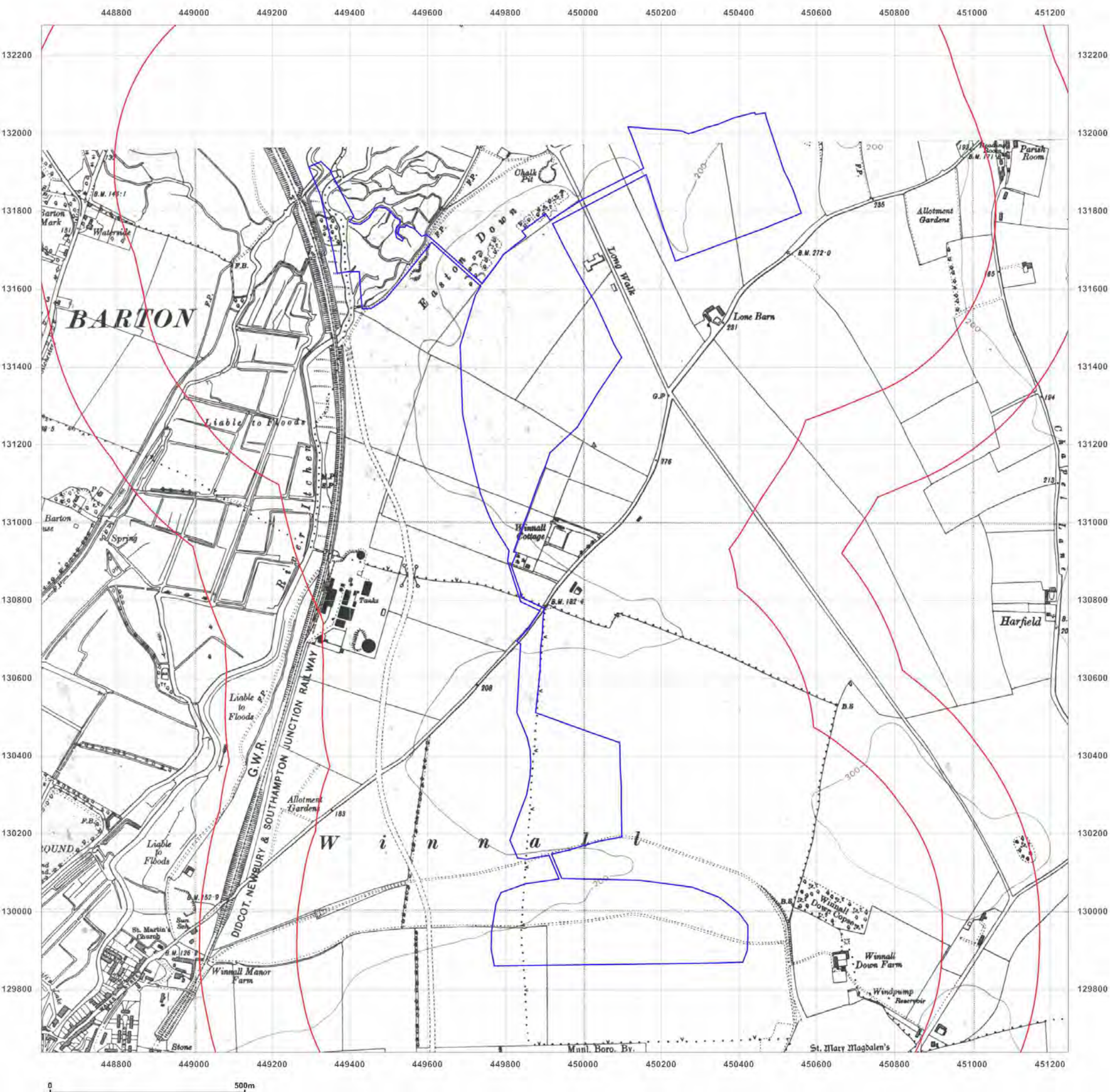
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Report Ref: GS-7137933
Grid Ref: 449926, 130957

Map Name: County Series

Map date: 1938

Scale: 1:10,560

Printed at: 1:10,560



Surveyed 1870
Revised 1938
Edition N/A
Copyright N/A
Levelled N/A



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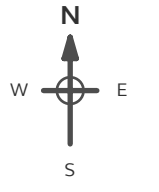
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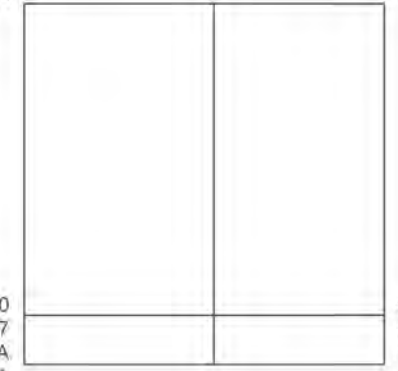
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Report Ref: GS-7137933
Grid Ref: 449926, 130957

Map Name: Provisional
Map date: 1957-1961
Scale: 1:10,560
Printed at: 1:10,560



Surveyed 1957
Revised 1961
Edition N/A
Copyright 1962
Levelled N/A

Surveyed 1957
Revised 1957
Edition N/A
Copyright N/A
Levelled N/A



Surveyed 1870
Revised 1957
Edition N/A
Copyright N/A
Levelled N/A

Surveyed 1957
Revised 1957
Edition N/A
Copyright N/A
Levelled N/A

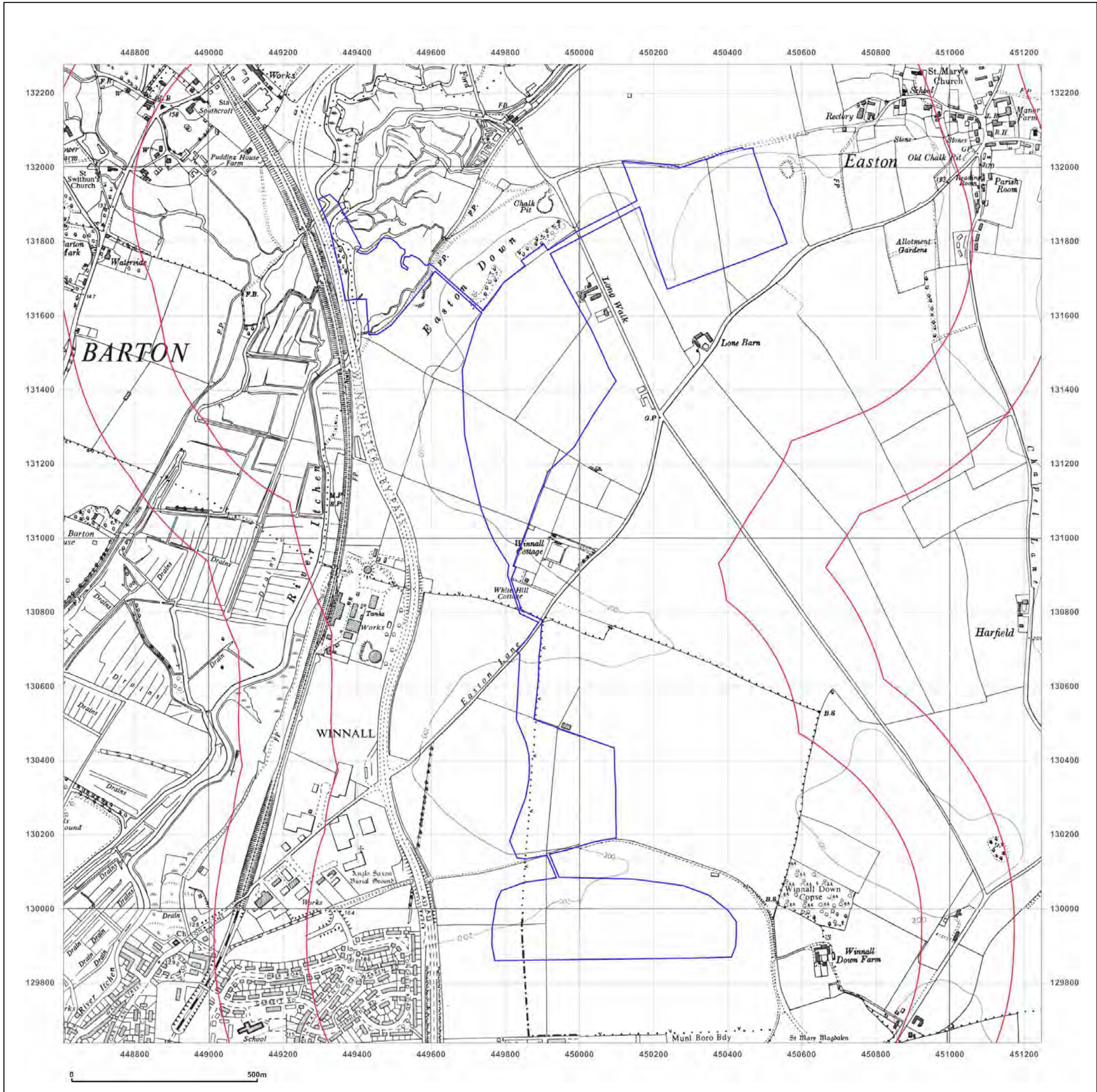


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449969.3362893146,
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Client Ref: 33689-_M3J9-Site_2
Report Ref: GS-7137933
Grid Ref: 449926, 130957

Map Name: Provisional

Map date: 1966-1968

Scale: 1:10,560

Printed at: 1:10,560



Surveyed N/A
Revised 1966
Edition 1962
Copyright 1962
Levelled N/A

Surveyed 1968
Revised 1968
Edition N/A
Copyright N/A
Levelled N/A

Surveyed 1968
Revised 1968
Edition N/A
Copyright N/A
Levelled N/A

Surveyed 1968
Revised 1968
Edition N/A
Copyright N/A
Levelled N/A

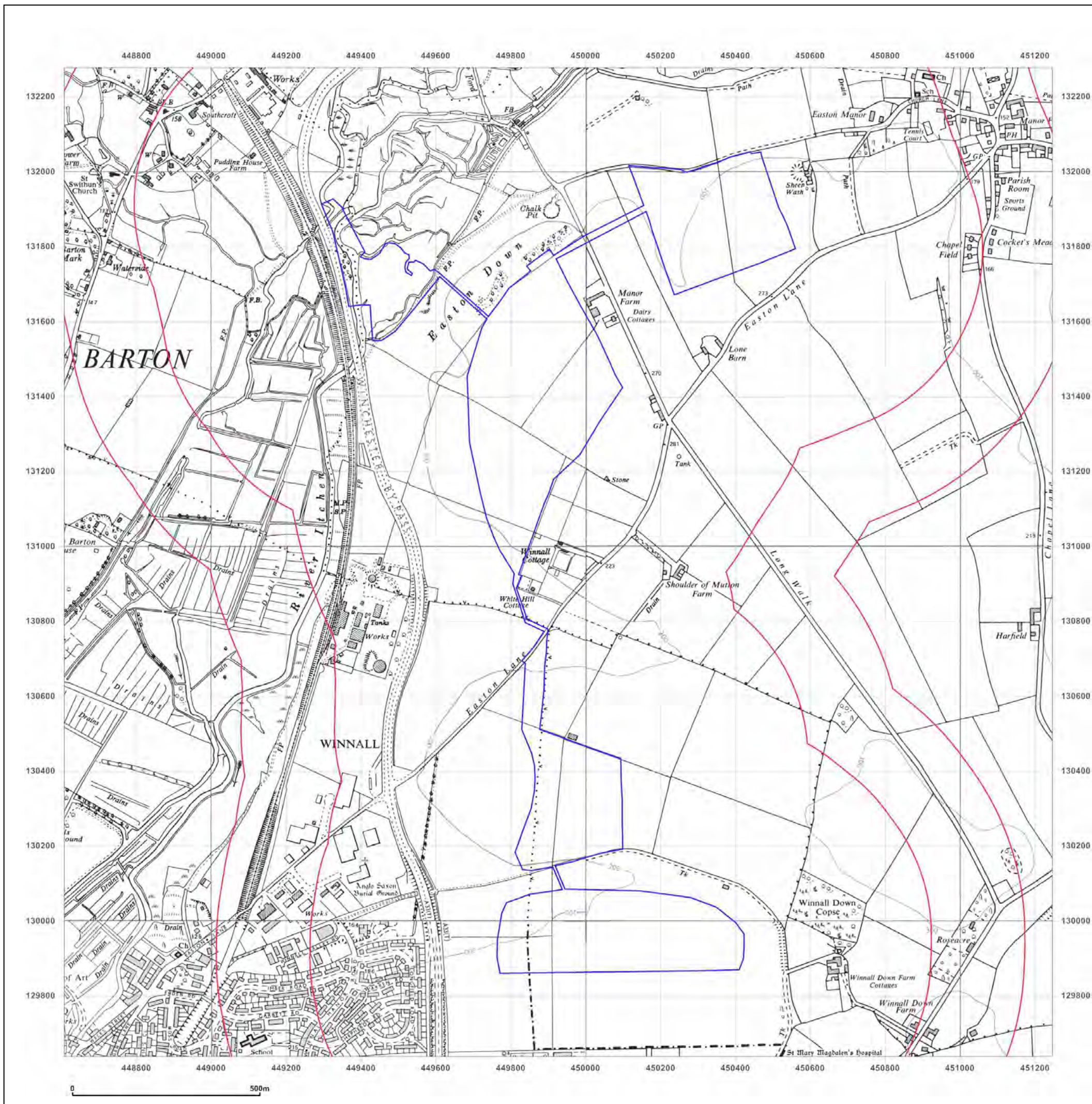


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Client Ref: 33689-_M3J9-Site_2
Report Ref: GS-7137933
Grid Ref: 449926, 130957

Map Name: Provisional

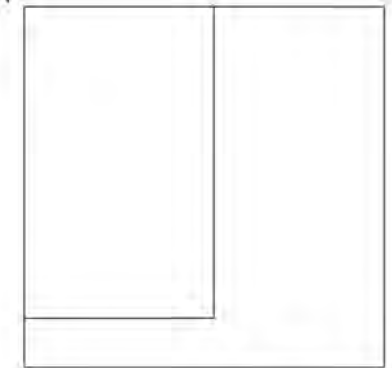
Map date: 1969

Scale: 1:10,560

Printed at: 1:10,560



Surveyed 1969
Revised 1989
Edition N/A
Copyright N/A
Levelled N/A

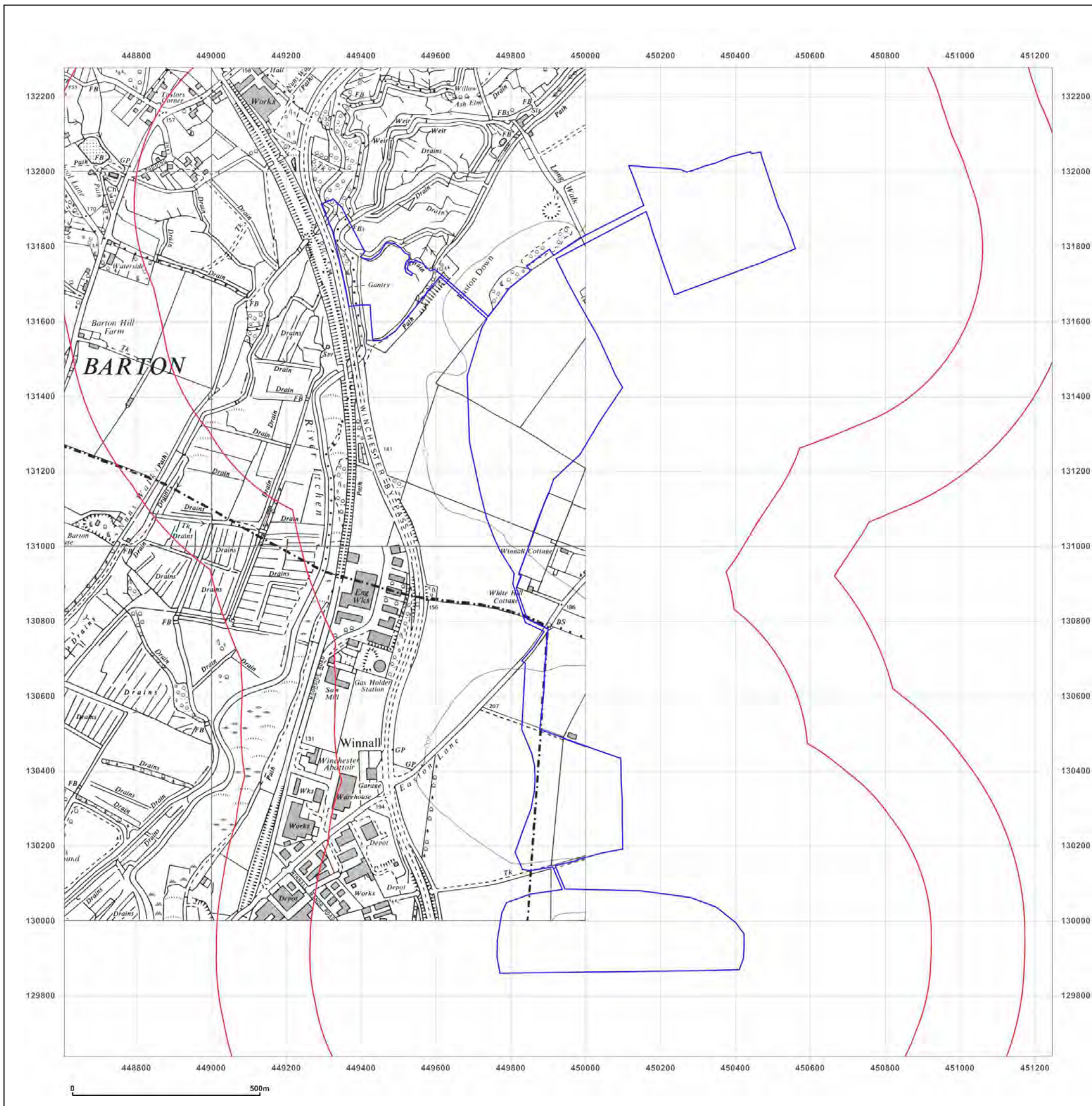


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Client Ref: 33689-_M3J9-Site_2
Report Ref: GS-7137933
Grid Ref: 449926, 130957

Map Name: National Grid

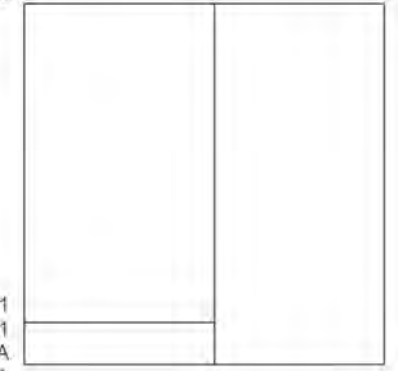
Map date: 1977-1981

Scale: 1:10,000

Printed at: 1:10,000



Surveyed 1975
Revised 1977
Edition N/A
Copyright 1977
Levelled 1975



Surveyed 1981
Revised 1981
Edition N/A
Copyright N/A
Levelled N/A



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Client Ref: 33689-_M3J9-Site_2
Report Ref: GS-7137933
Grid Ref: 449926, 130957

Map Name: National Grid

Map date: 1987-1989

Scale: 1:10,000

Printed at: 1:10,000



Surveyed 1983
Revised 1987
Edition N/A
Copyright N/A
Levelled N/A

Surveyed 1977
Revised 1987
Edition N/A
Copyright N/A
Levelled N/A

Surveyed 1988
Revised 1989
Edition N/A
Copyright N/A
Levelled N/A

Surveyed 1976
Revised 1988
Edition N/A
Copyright N/A
Levelled N/A

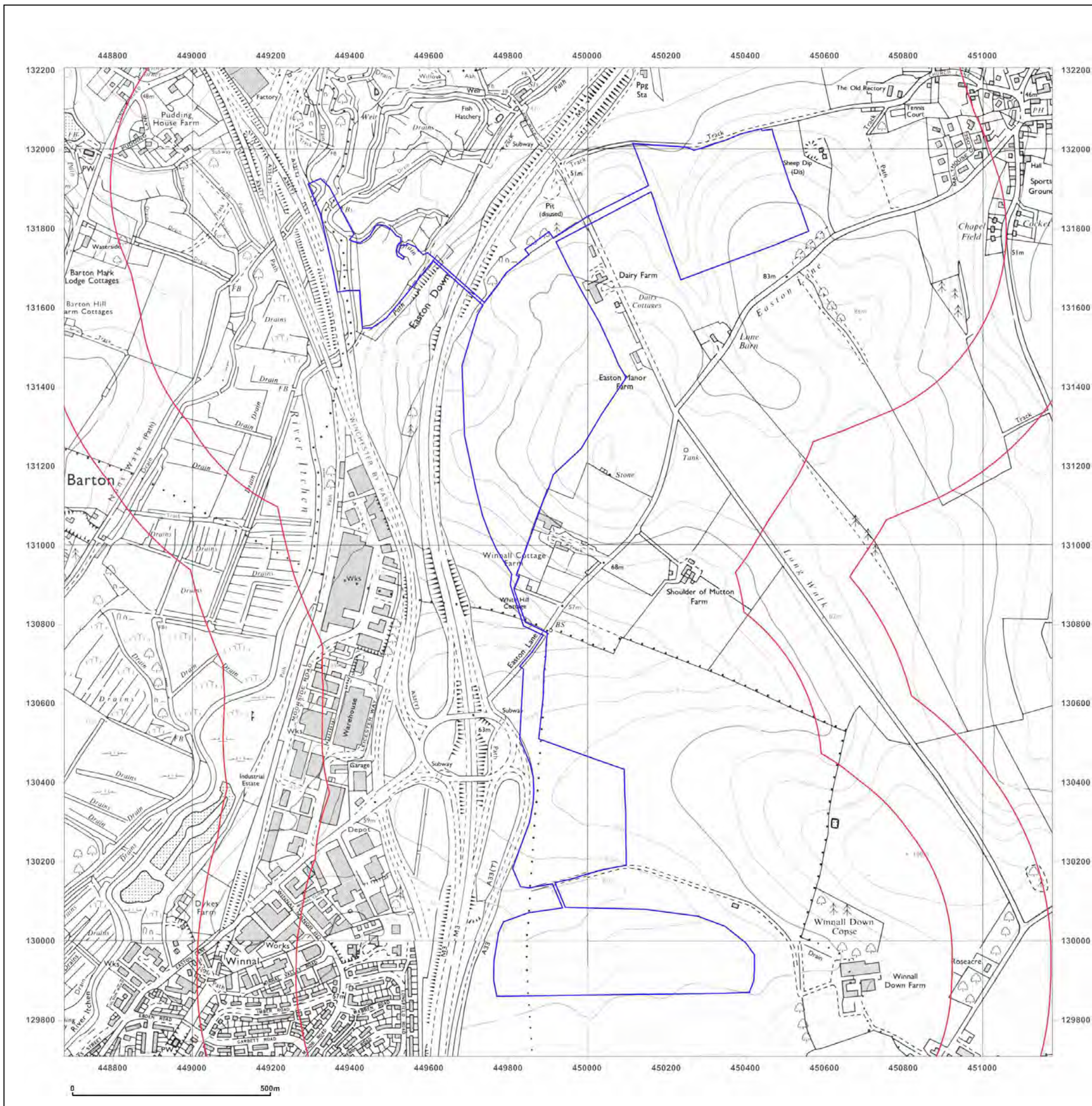


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Production date: 07 October 2020

Map legend available at:



Site Details:

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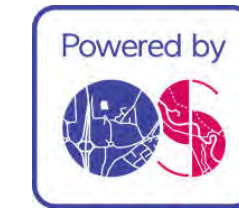
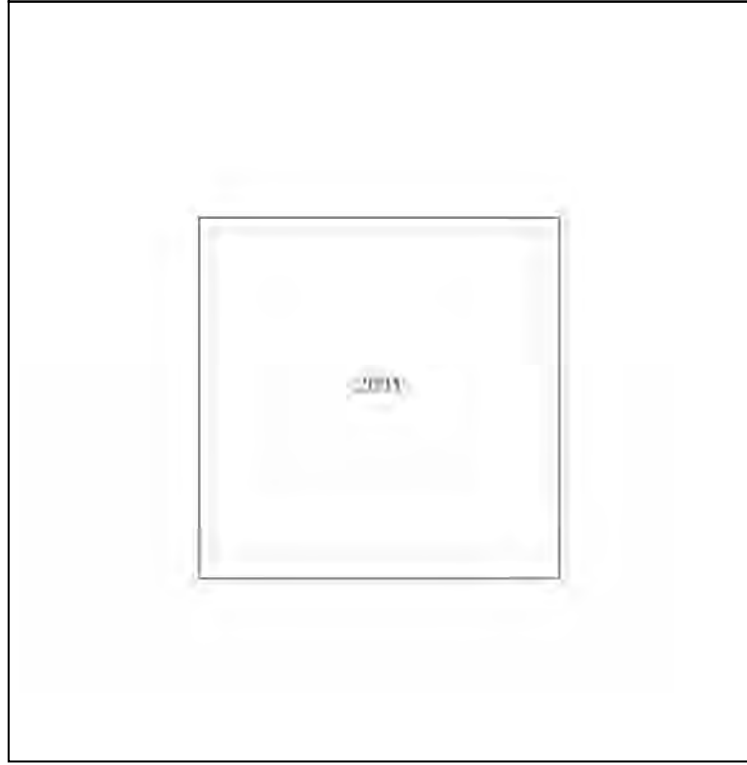
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Report Ref: GS-7137933
Grid Ref: 449926, 130957

Map Name: National Grid

Map date: 2001

Scale: 1:10,000

Printed at: 1:10,000

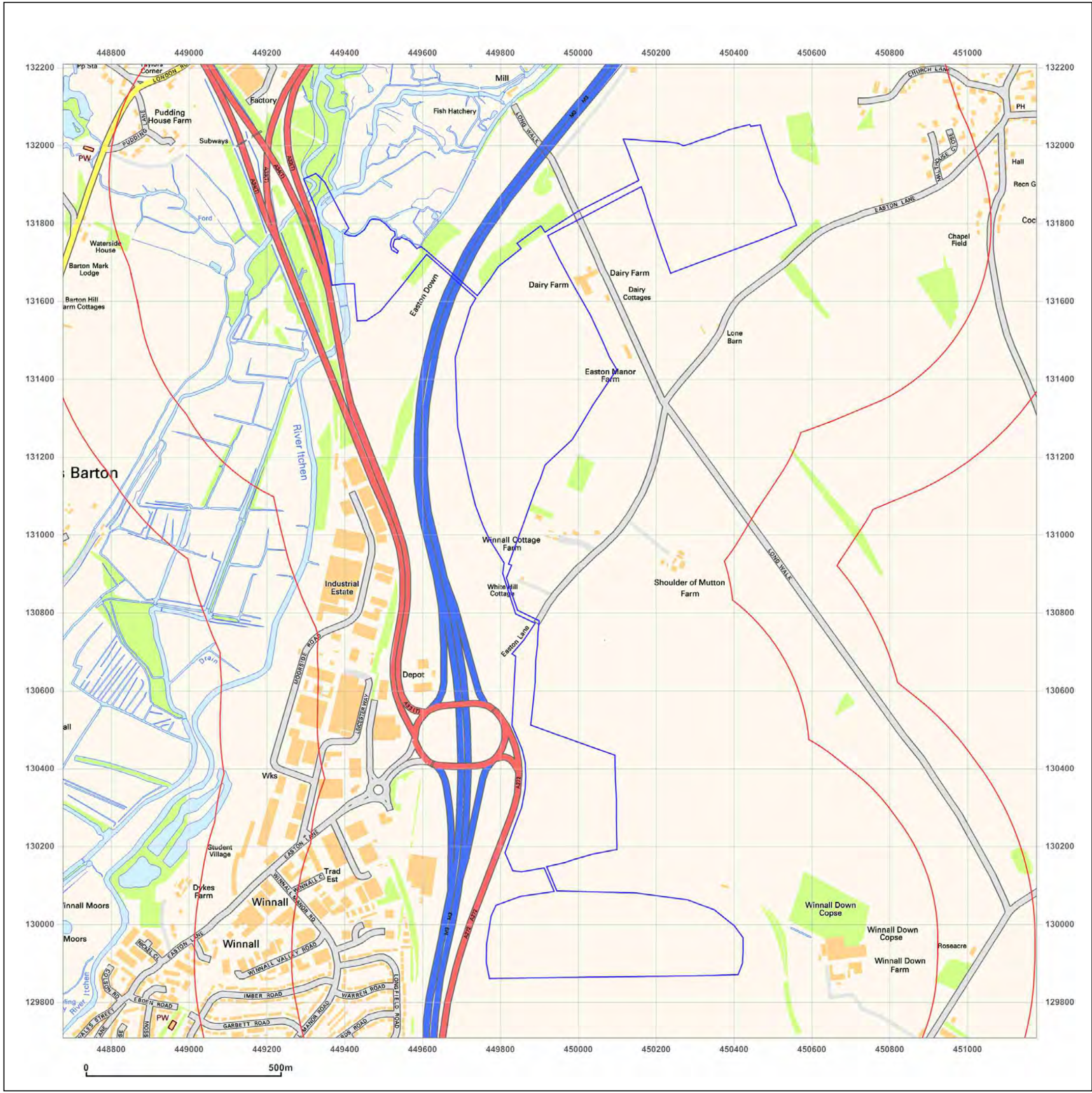


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Production date: 07 October 2020

Map legend available at:



Site Details:

449969.3362893146,
131042.05233653993

Client Ref: 33689_M3J9-Site_2
Report Ref: GS-7137933
Grid Ref: 449926, 130957

Map Name: National Grid

Map date: 2010

Scale: 1:10,000

Printed at: 1:10,000

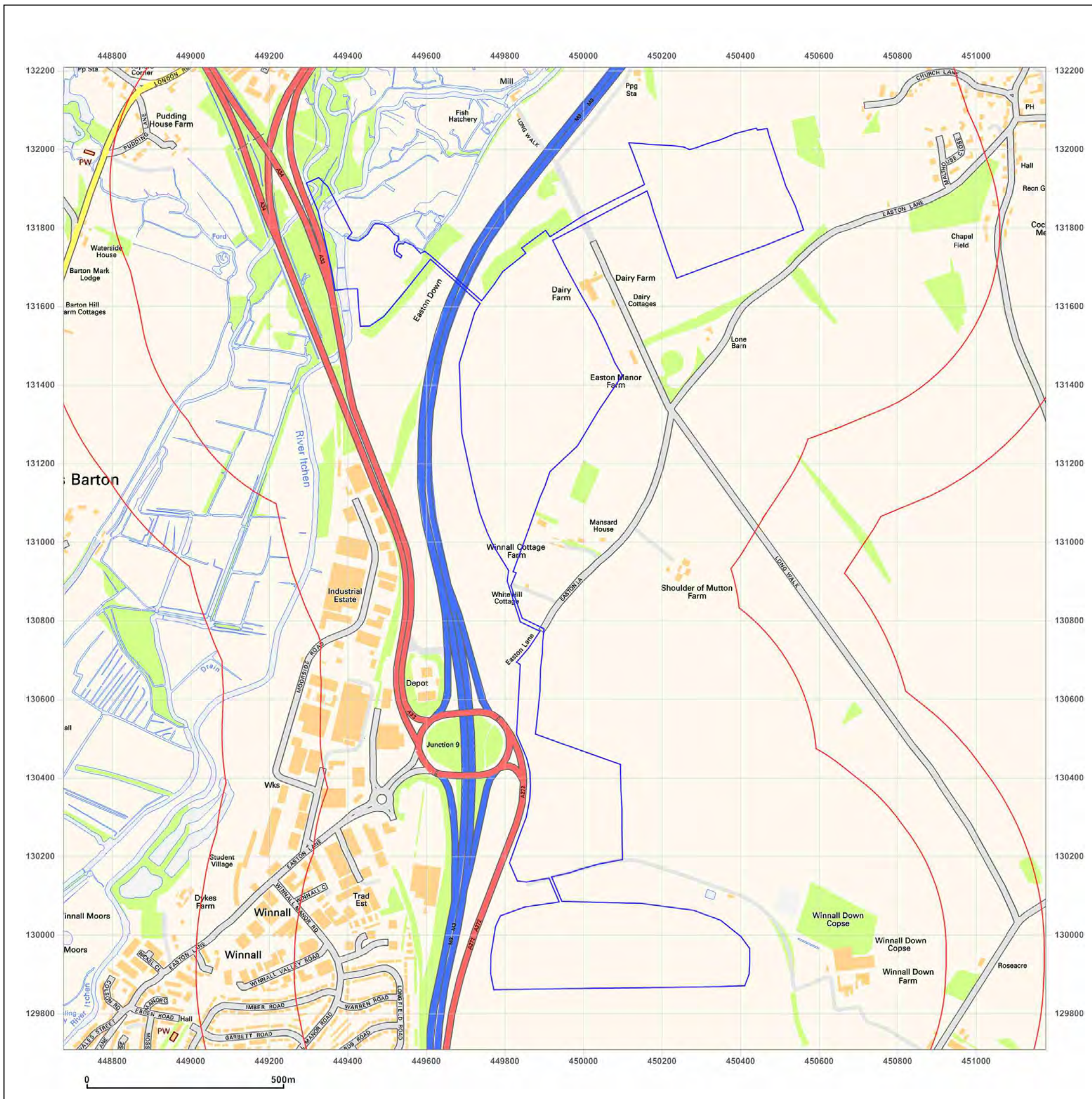


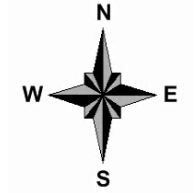
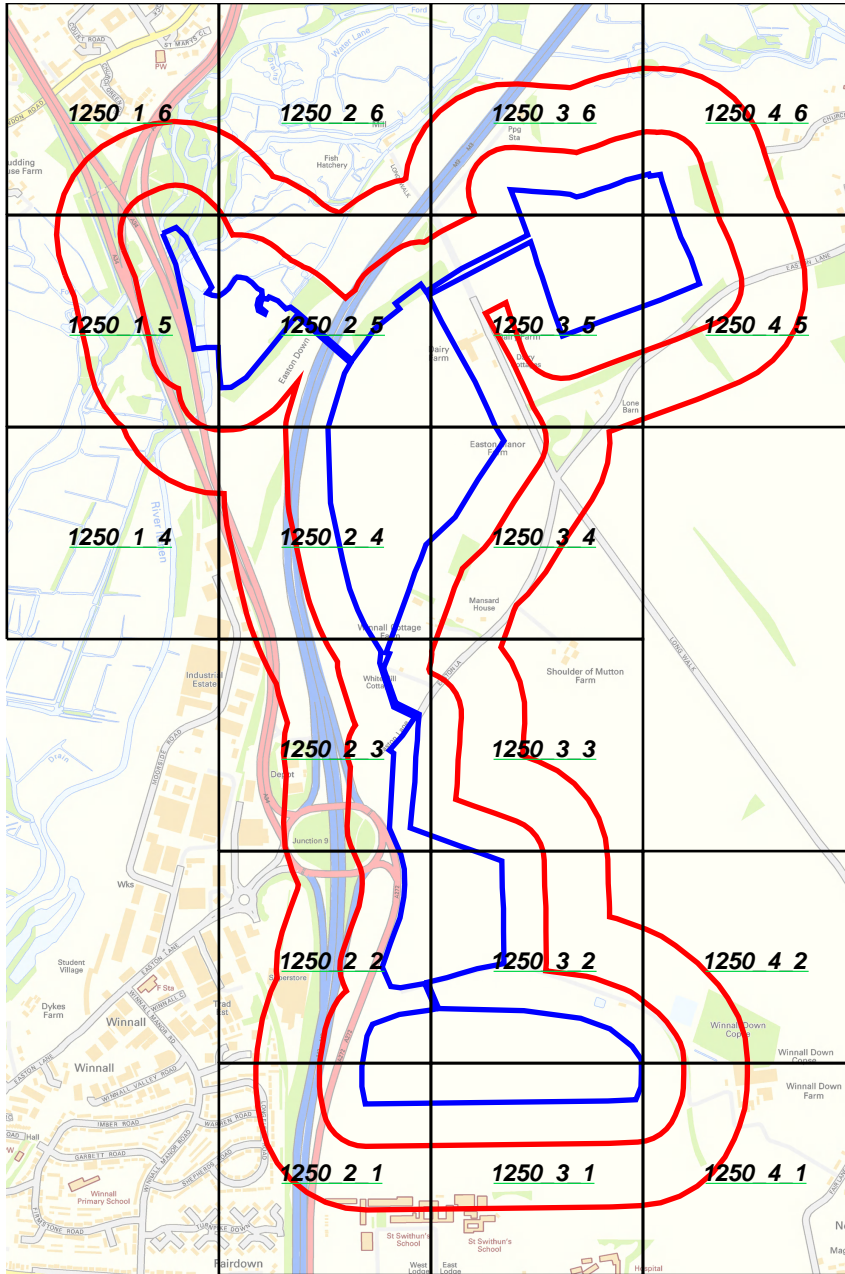
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Production date: 07 October 2020

Map legend available at:





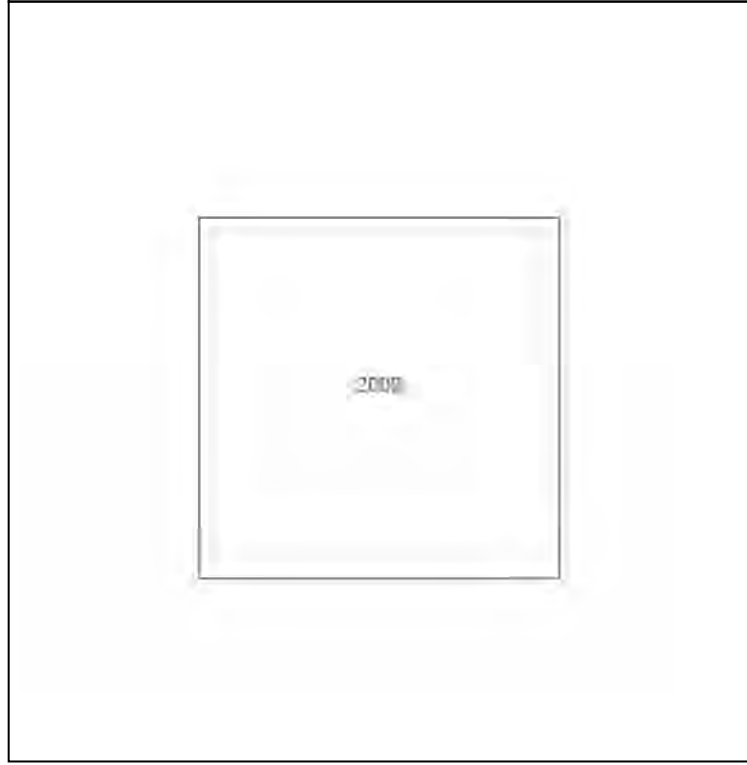
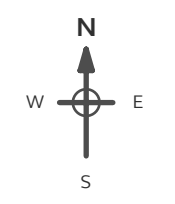
1:1250 Scale Grid Index

Site Details:

449969.3362893146,
131042.05233653993

Client Ref: 33689-_M3J9-Site_2
Report Ref: GS-7137933_1250scale_1_4
Grid Ref: 449175, 131207

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

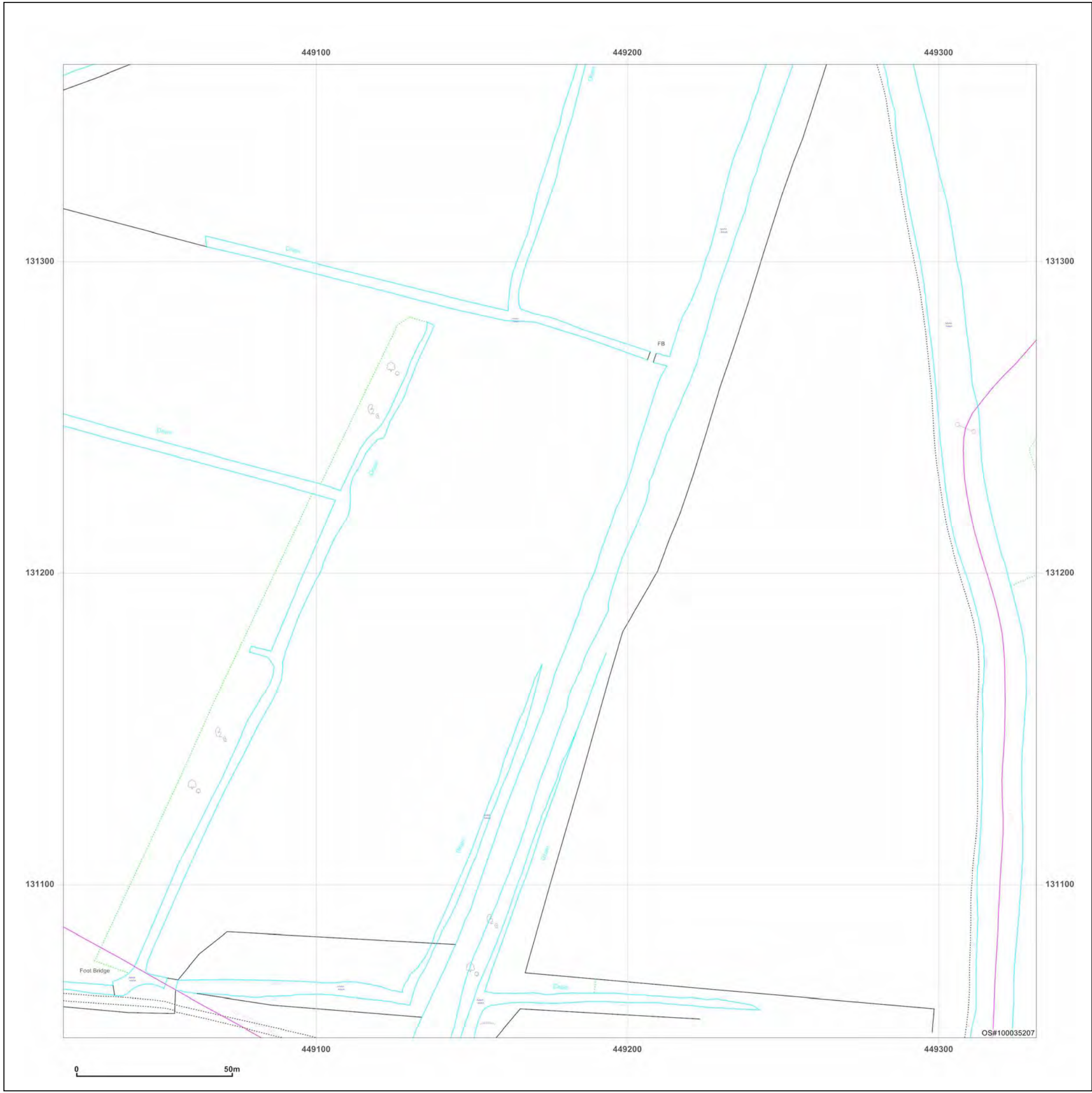


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Production date: 07 October 2020

Map legend available at:

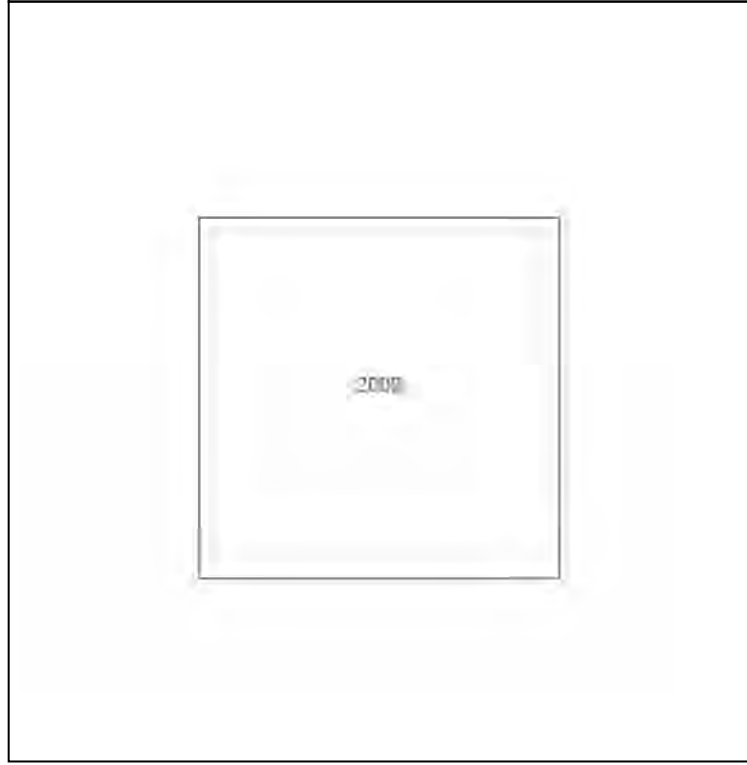
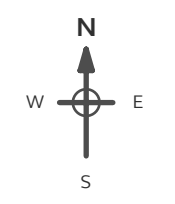


Site Details:

449969.3362893146,
131042.05233653993

Client Ref: 33689-_M3J9-Site_2
Report Ref: GS-7137933_1250scale_1_5
Grid Ref: 449175, 131707

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

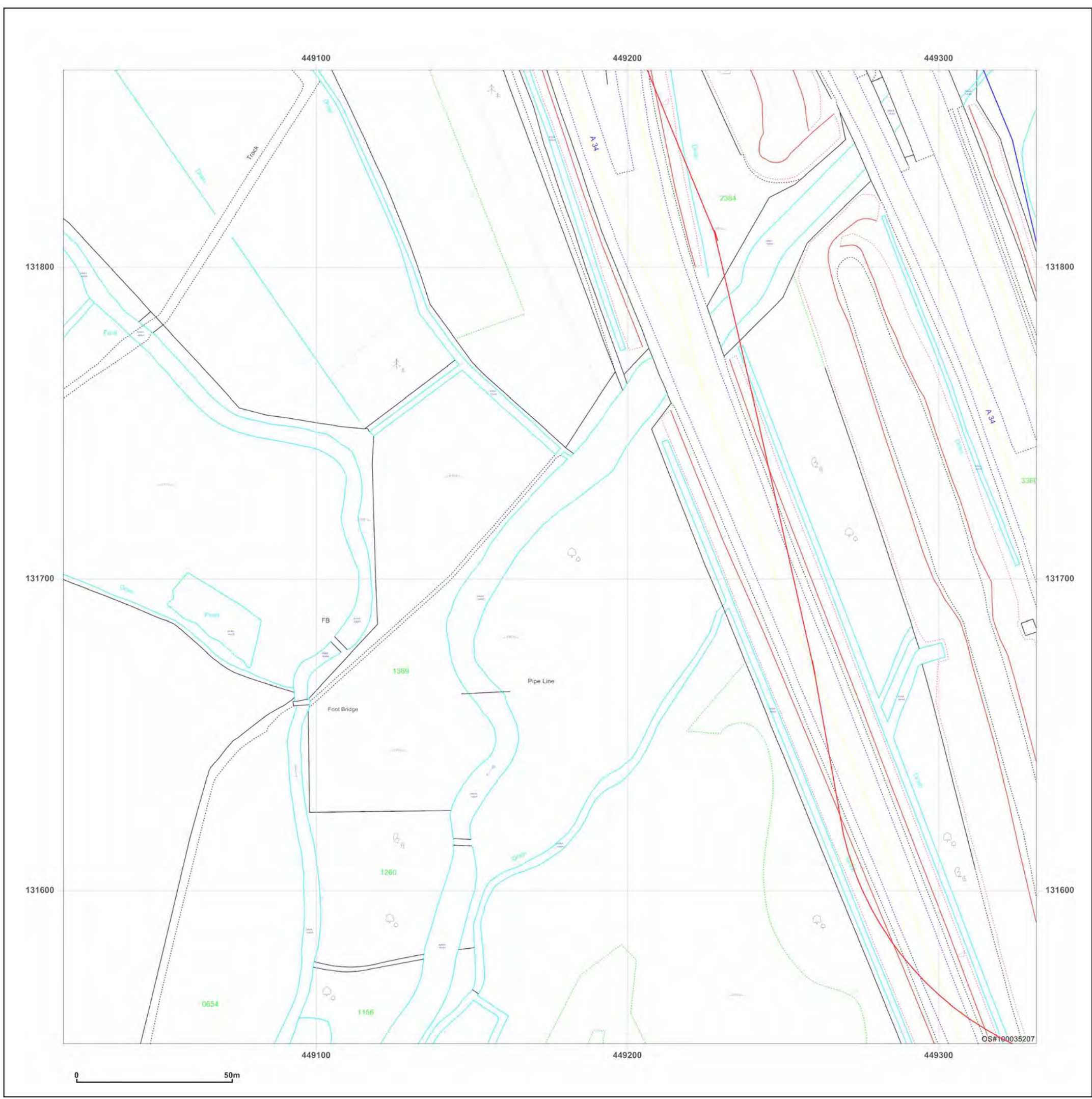


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Production date: 07 October 2020

Map legend available at:

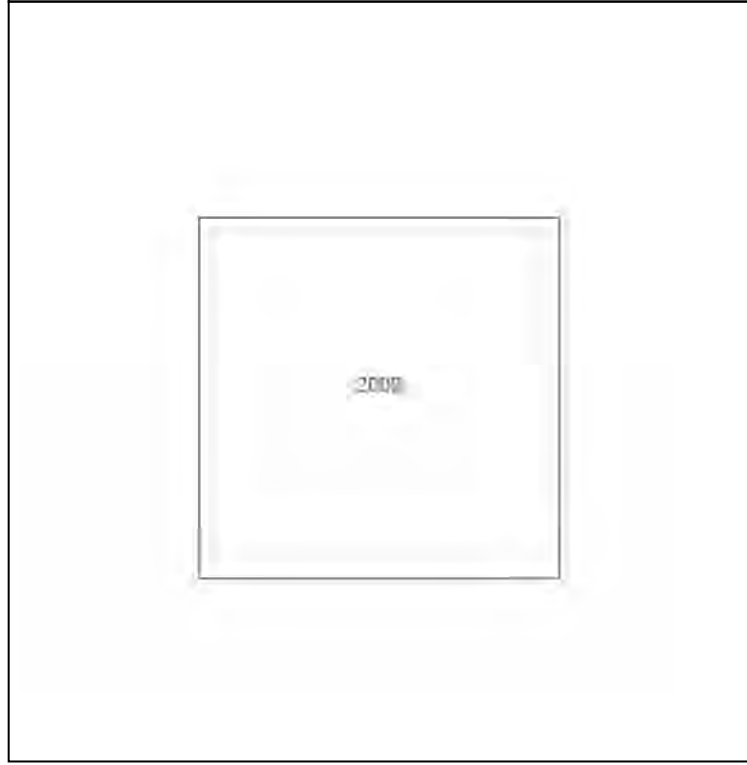
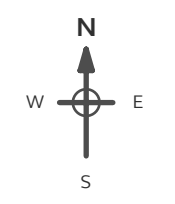


Site Details:

449969.3362893146,
131042.05233653993

Client Ref: 33689-_M3J9-Site_2
Report Ref: GS-7137933_1250scale_1_6
Grid Ref: 449175, 132207

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



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Production date: 07 October 2020

Map legend available at:



Site Details:

449969.3362893146,
131042.05233653993

Client Ref: 33689-_M3J9-Site_2
Report Ref: GS-7137933_1250scale_2_1
Grid Ref: 449675, 129707

Map Name: National Grid

Map date: 1952

Scale: 1:1,250

Printed at: 1:2,000



Surveyed 1952
Revised 1952
Edition N/A
Copyright N/A
Levelled 1940

Surveyed 1952
Revised 1952
Edition N/A
Copyright N/A
Levelled 1940

Surveyed 1952
Revised 1952
Edition N/A
Copyright N/A
Levelled 1940

Surveyed 1952
Revised 1952
Edition N/A
Copyright N/A
Levelled 1940

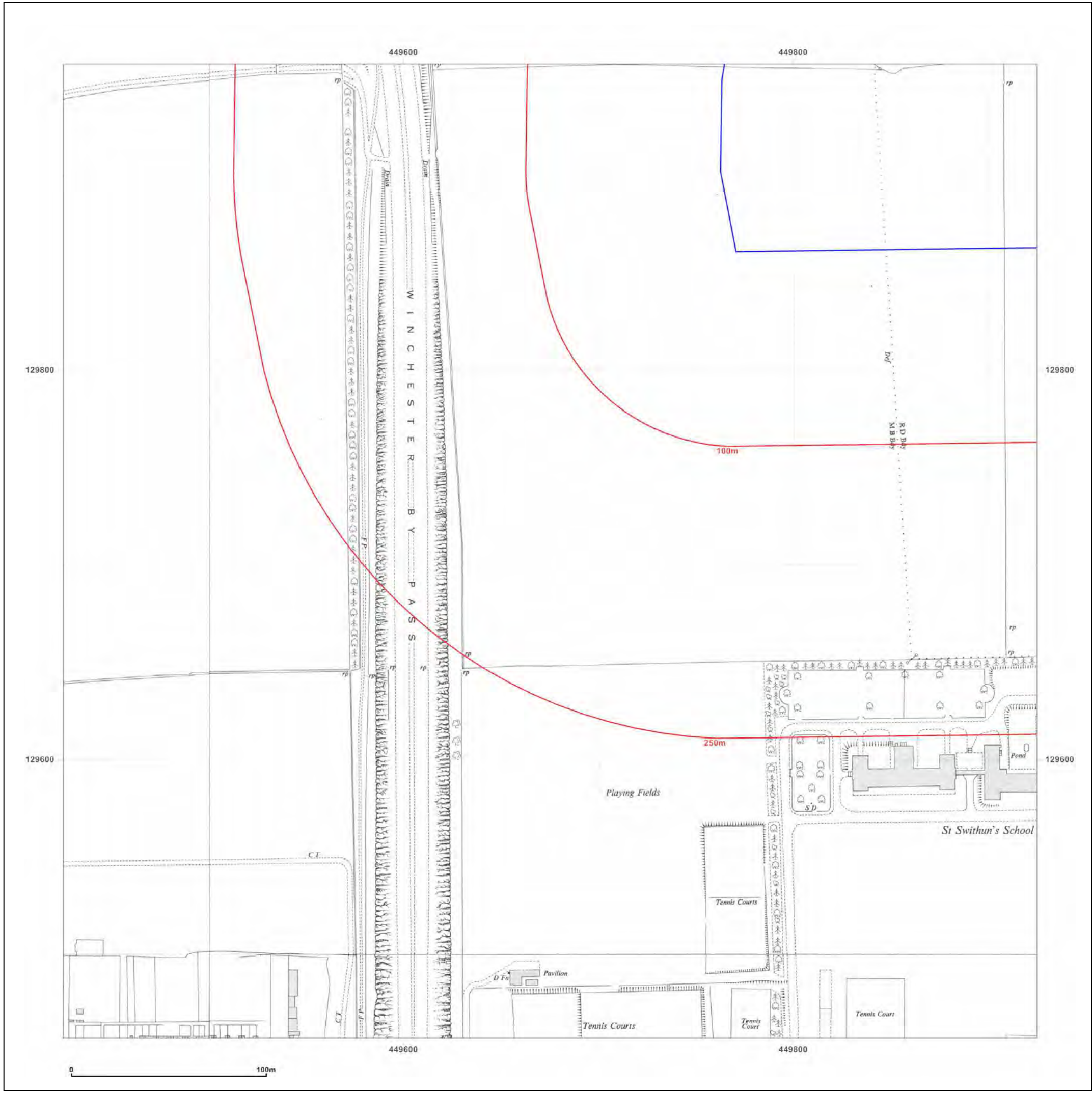


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Production date: 07 October 2020

Map legend available at:



Site Details:

449969.3362893146,
131042.05233653993

Client Ref: 33689-_M3J9-Site_2
Report Ref: GS-7137933_1250scale_2_1
Grid Ref: 449675, 129707

Map Name: National Grid

Map date: 1953

Scale: 1:1,250

Printed at: 1:2,000



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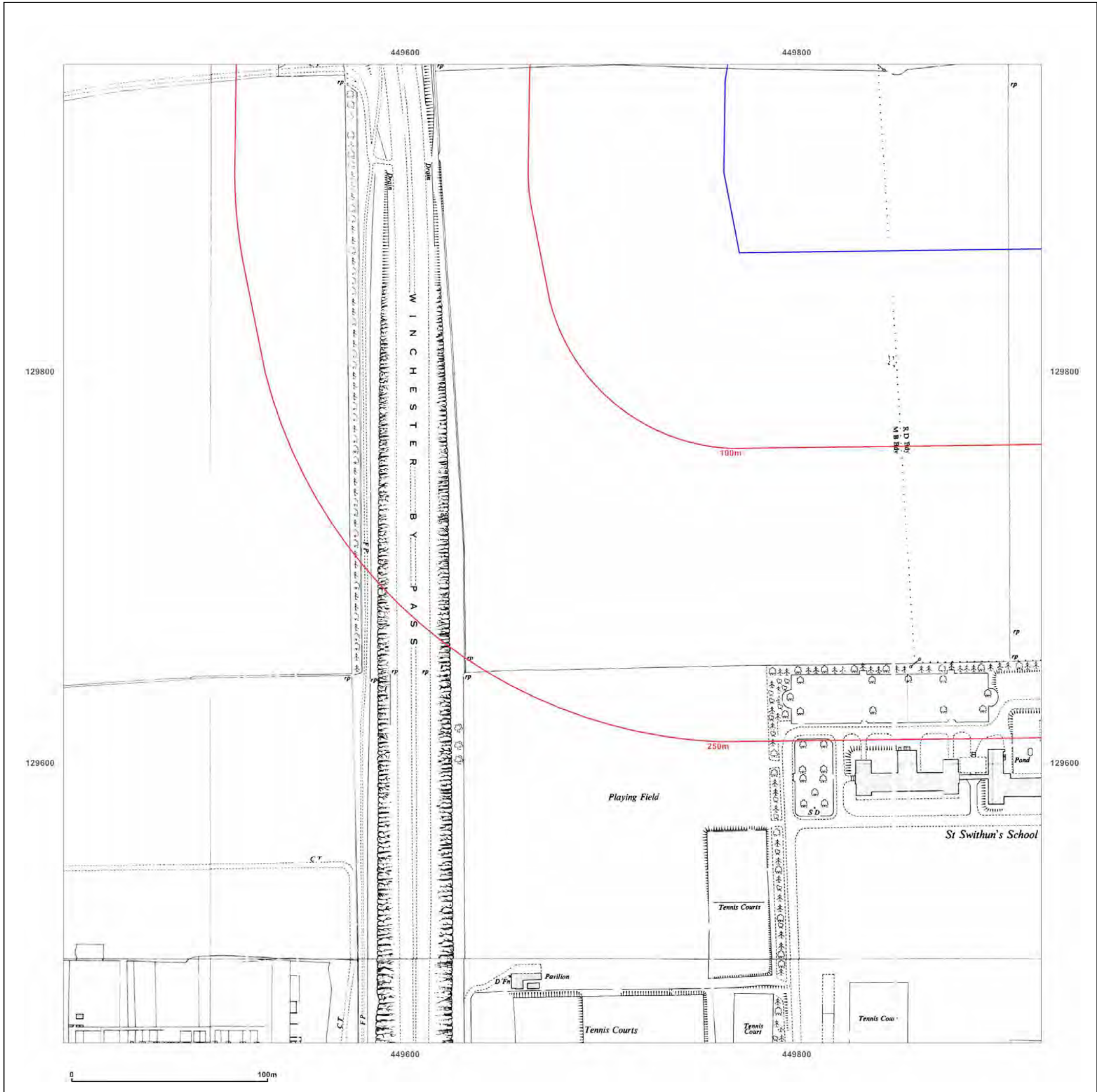


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Production date: 07 October 2020

Map legend available at:



Site Details:

449969.3362893146,
131042.05233653993

Client Ref: 33689-_M3J9-Site_2
Report Ref: GS-7137933_1250scale_2_1
Grid Ref: 449675, 129707

Map Name: National Grid

Map date: 1960-1964

Scale: 1:1,250

Printed at: 1:2,000



Surveyed 1952
Revised 1960
Edition N/A
Copyright 1960
Levelled 1958

Surveyed 1952
Revised 1960
Edition N/A
Copyright 1960
Levelled 1959

Surveyed 1952
Revised 1964
Edition N/A
Copyright 1964
Levelled 1958

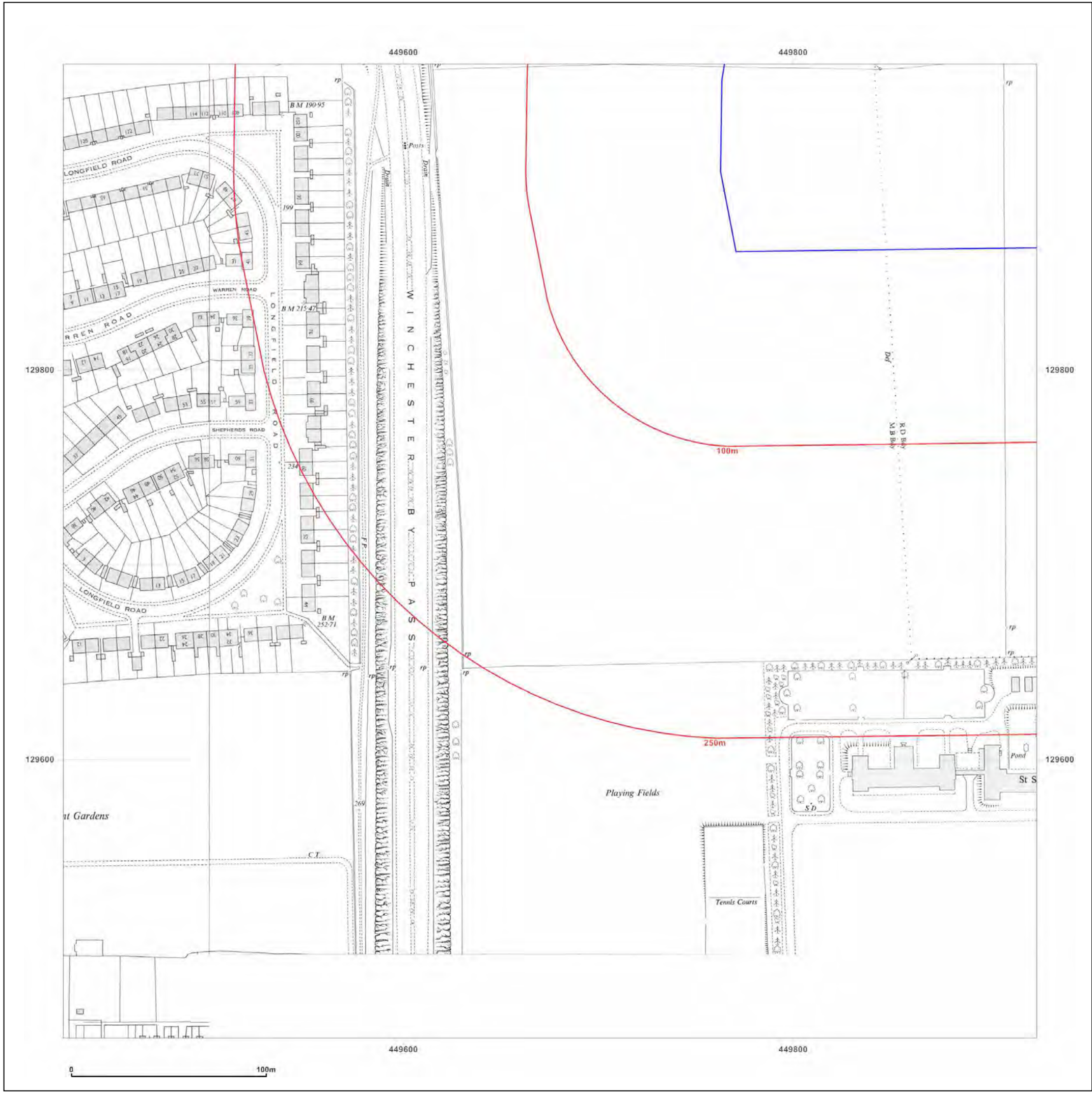


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Production date: 07 October 2020

Map legend available at:



Site Details:

449969.3362893146,
131042.05233653993

Client Ref: 33689-_M3J9-Site_2
Report Ref: GS-7137933_1250scale_2_1
Grid Ref: 449675, 129707

Map Name: National Grid

Map date: 1983-1988

Scale: 1:1,250

Printed at: 1:2,000



Surveyed 1952
Revised 1981
Edition N/A
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Levelled 1958

Surveyed 1959
Revised 1986
Edition N/A
Copyright 1986
Levelled 1959

Surveyed 1958
Revised 1988
Edition N/A
Copyright 1988
Levelled 1958

Surveyed N/A
Revised N/A
Edition N/A
Copyright 1987
Levelled 1959

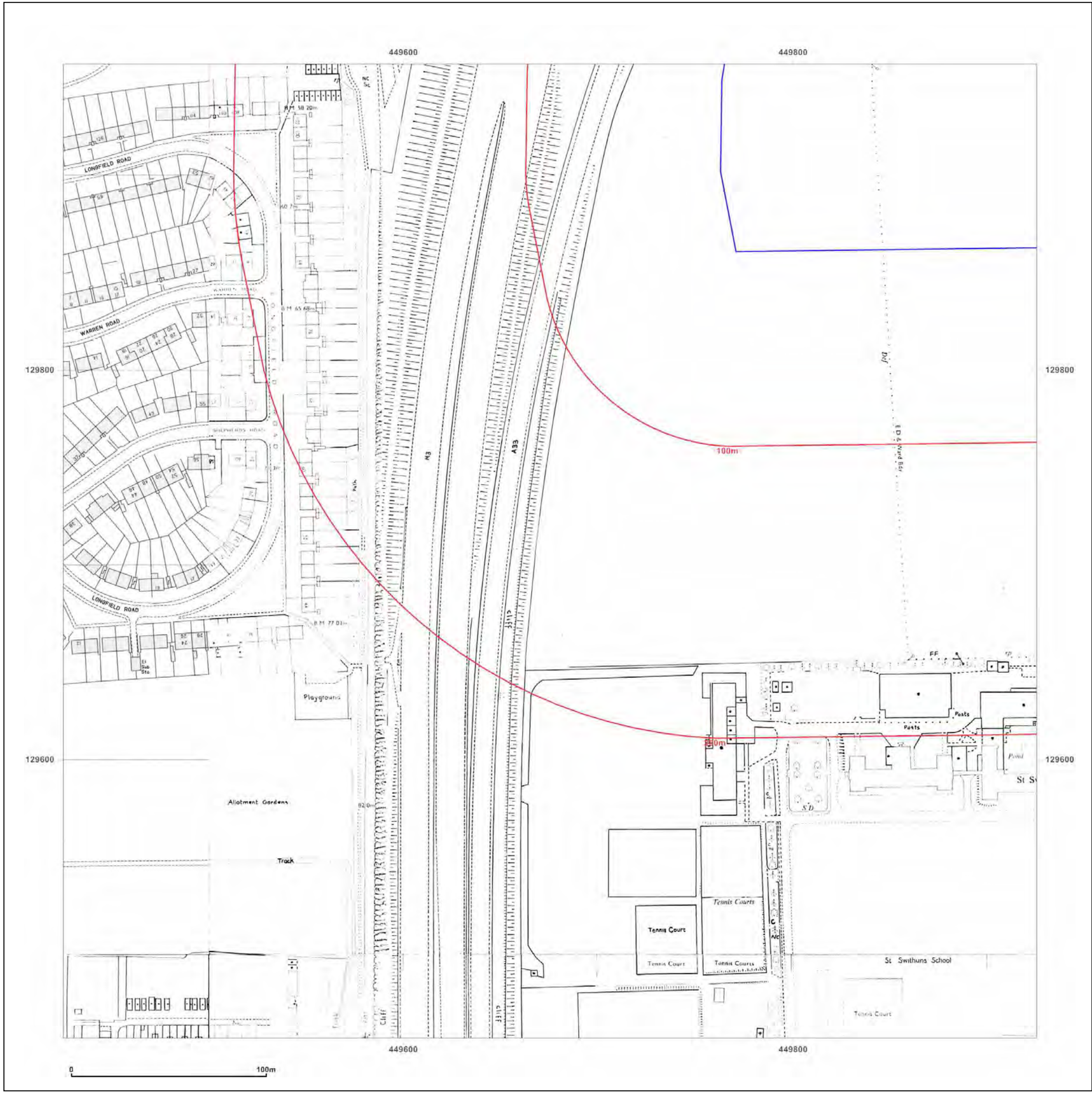


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Map legend available at:



Site Details:

449969.3362893146,
131042.05233653993

Client Ref: 33689-_M3J9-Site_2
Report Ref: GS-7137933_1250scale_2_1
Grid Ref: 449675, 129707

Map Name: National Grid

Map date: 1988-1993

Scale: 1:1,250

Printed at: 1:2,000



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Surveyed N/A Revised N/A Edition N/A Copyright 1990 Levelled 1958	Surveyed 1952 Revised 1987 Edition N/A Copyright 1988 Levelled 1959

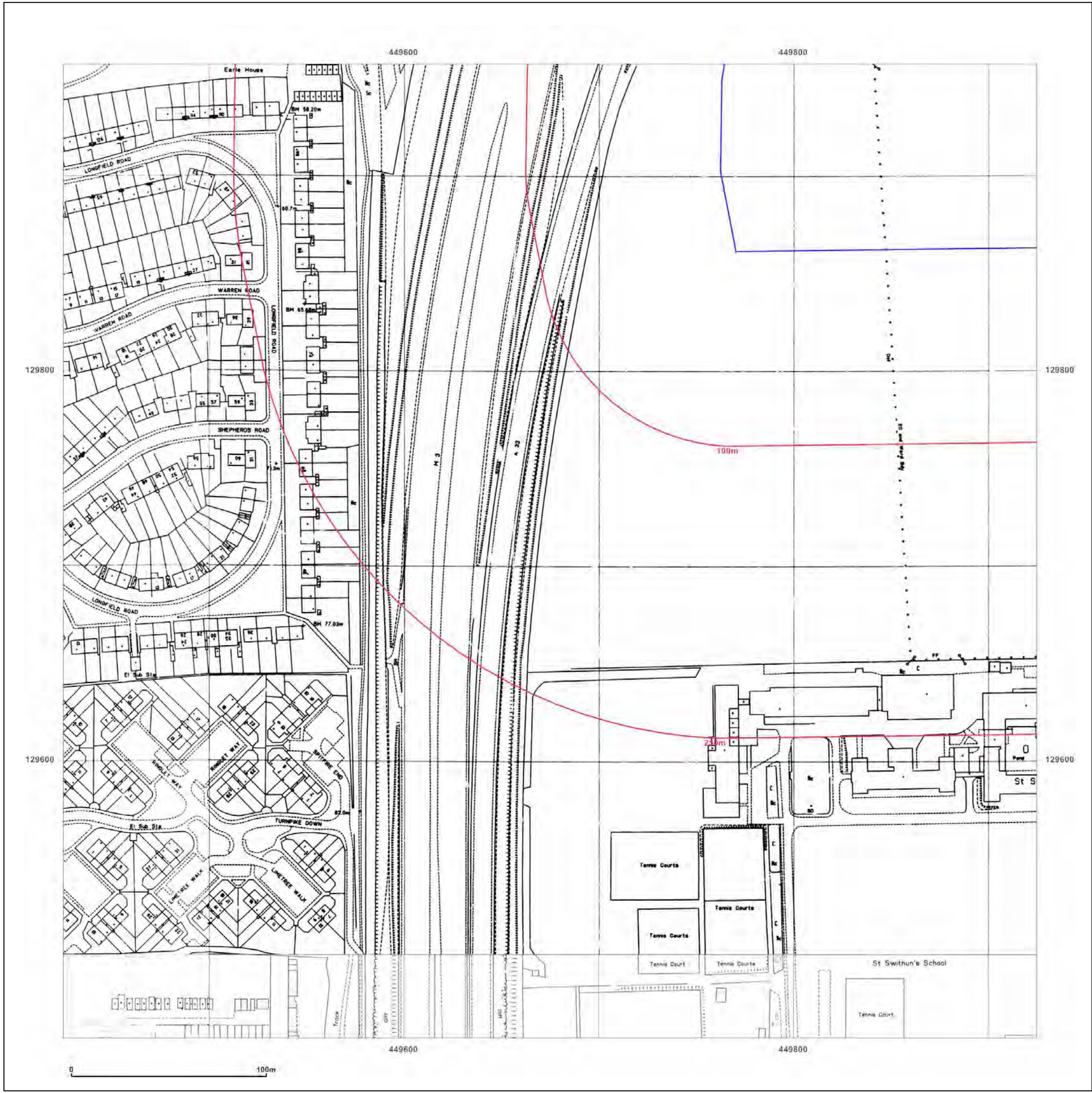


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Map legend available at:



Site Details:

449969.3362893146,
131042.05233653993

Client Ref: 33689-_M3J9-Site_2
Report Ref: GS-7137933_1250scale_2_1
Grid Ref: 449675, 129707

Map Name: National Grid

Map date: 1990-1993

Scale: 1:1,250

Printed at: 1:2,000



Surveyed 1993
Revised N/A
Edition N/A
Copyright 1993
Levelled N/A

Surveyed 1993
Revised N/A
Edition N/A
Copyright 1993
Levelled N/A

Surveyed 1958
Revised 1990
Edition N/A
Copyright 1990
Levelled 1958

Surveyed 1993
Revised N/A
Edition N/A
Copyright 1993
Levelled N/A

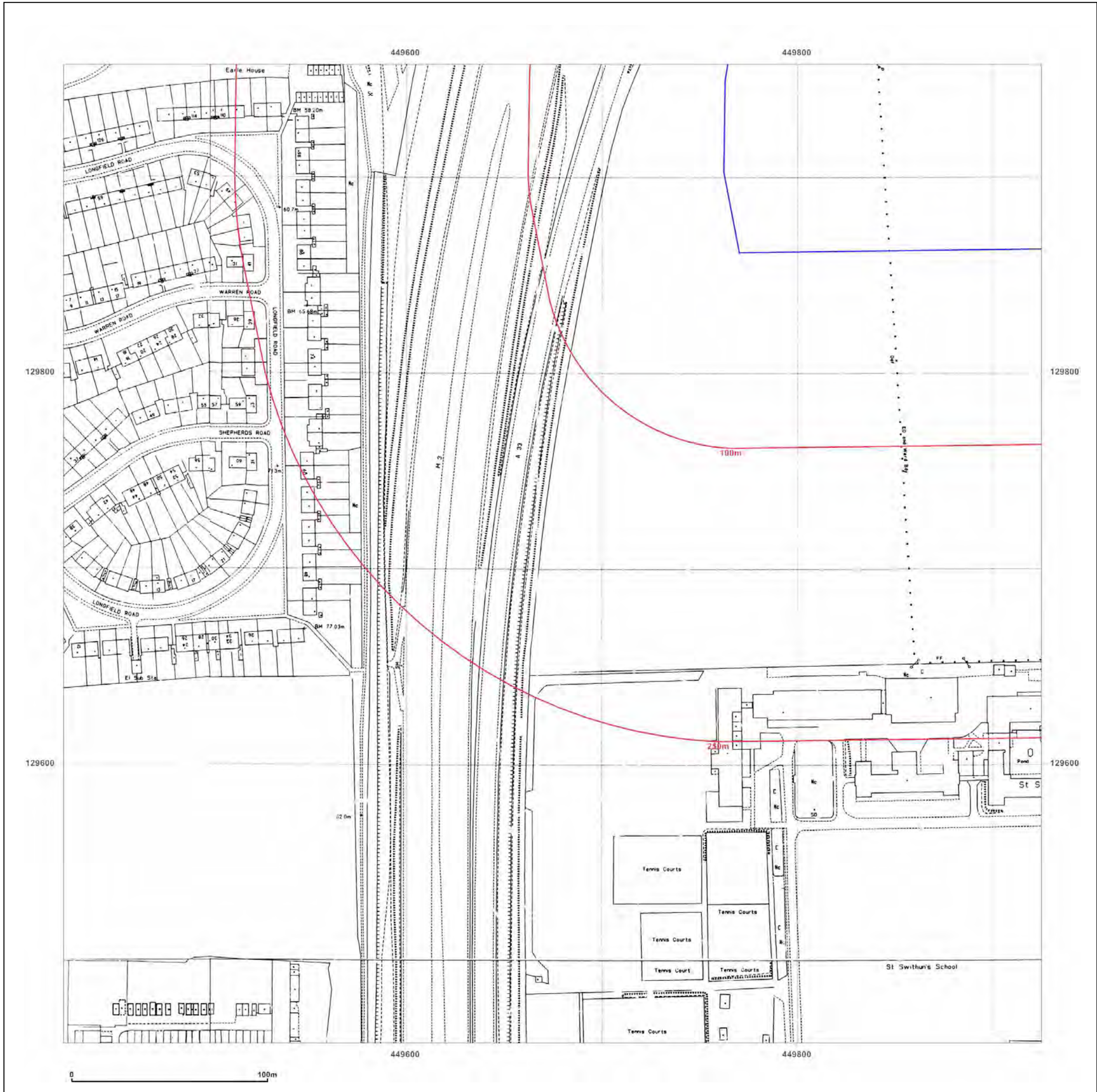


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Map legend available at:



Site Details:

449969.3362893146,
131042.05233653993

Client Ref: 33689-_M3J9-Site_2
Report Ref: GS-7137933_1250scale_2_1
Grid Ref: 449675, 129707

Map Name: National Grid

Map date: 1990-1993

Scale: 1:1,250

Printed at: 1:2,000



Surveyed N/A Revised N/A Edition N/A Copyright 1993 Levelled N/A	Surveyed N/A Revised N/A Edition N/A Copyright 1993 Levelled N/A
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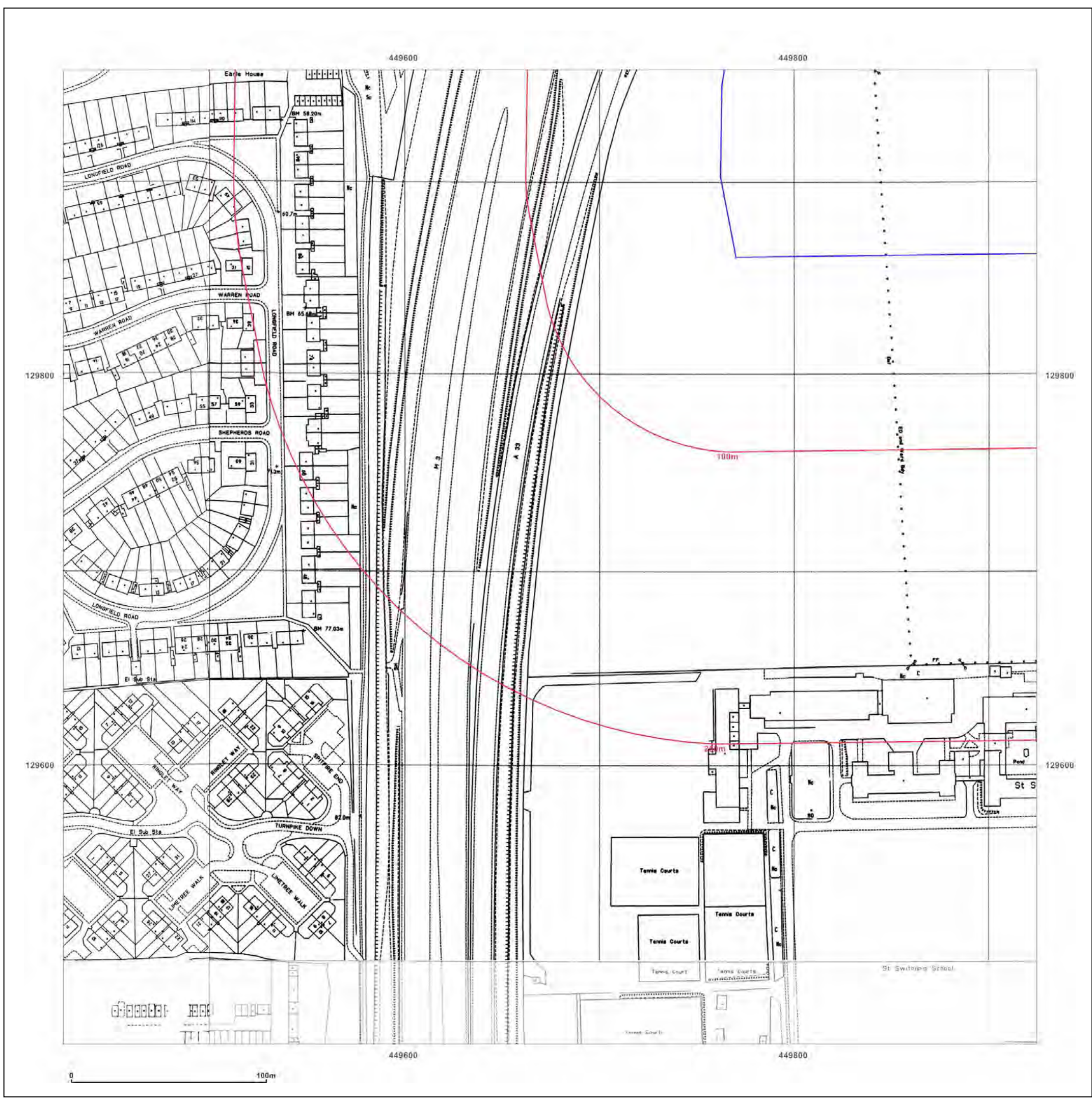


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Production date: 07 October 2020

Map legend available at:

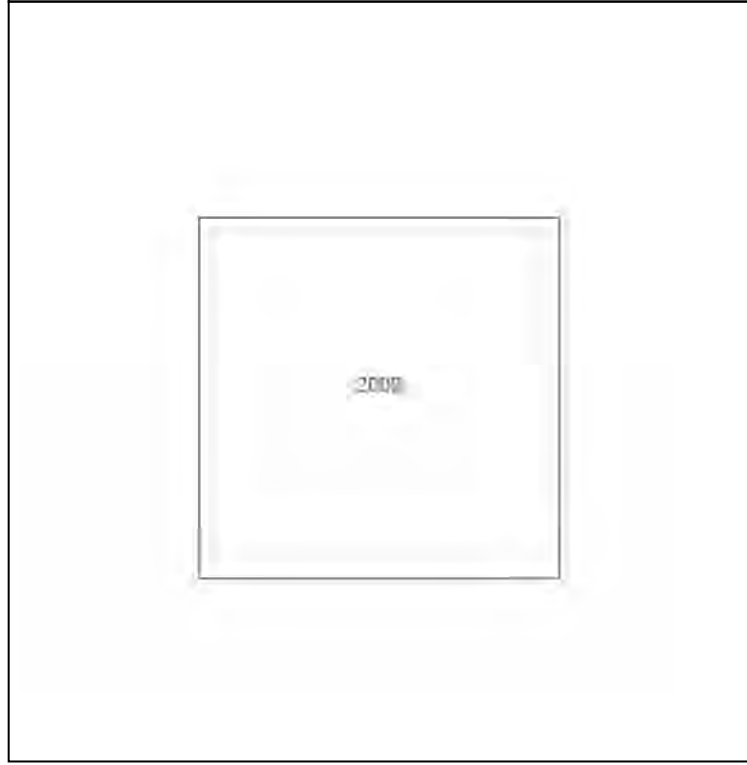
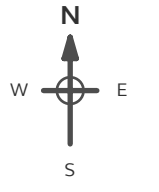


Site Details:

449969.3362893146,
131042.05233653993

Client Ref: 33689-_M3J9-Site_2
Report Ref: GS-7137933_1250scale_2_1
Grid Ref: 449675, 129707

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

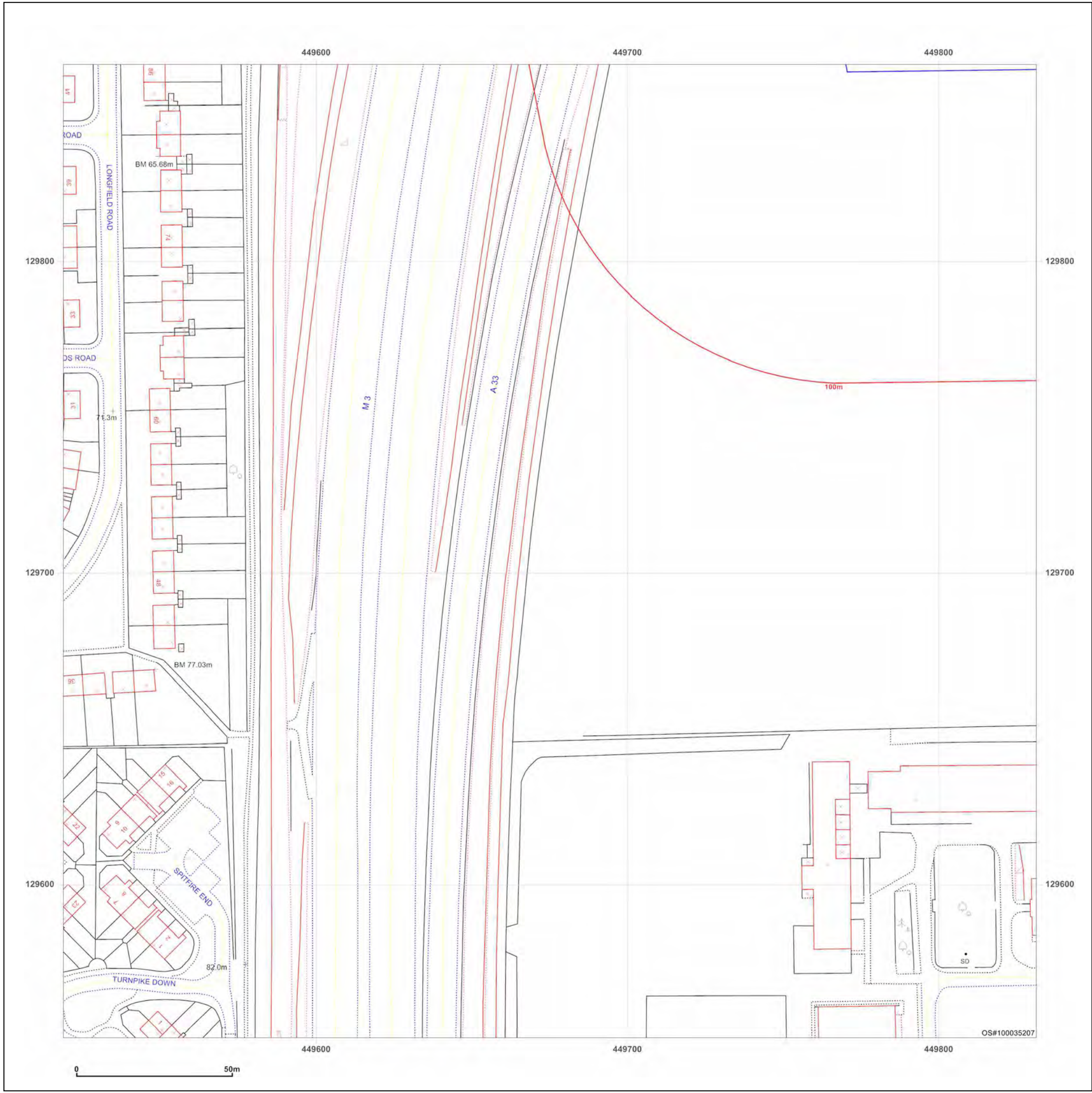


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Production date: 07 October 2020

Map legend available at:



Site Details:

449969.3362893146,
131042.05233653993

Client Ref: 33689-_M3J9-Site_2
Report Ref: GS-7137933_1250scale_2_2
Grid Ref: 449675, 130207

Map Name: National Grid

Map date: 1952

Scale: 1:1,250

Printed at: 1:2,000



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Surveyed 1952 Revised 1952 Edition N/A Copyright N/A Levelled 1940	Surveyed 1952 Revised 1952 Edition N/A Copyright N/A Levelled 1940

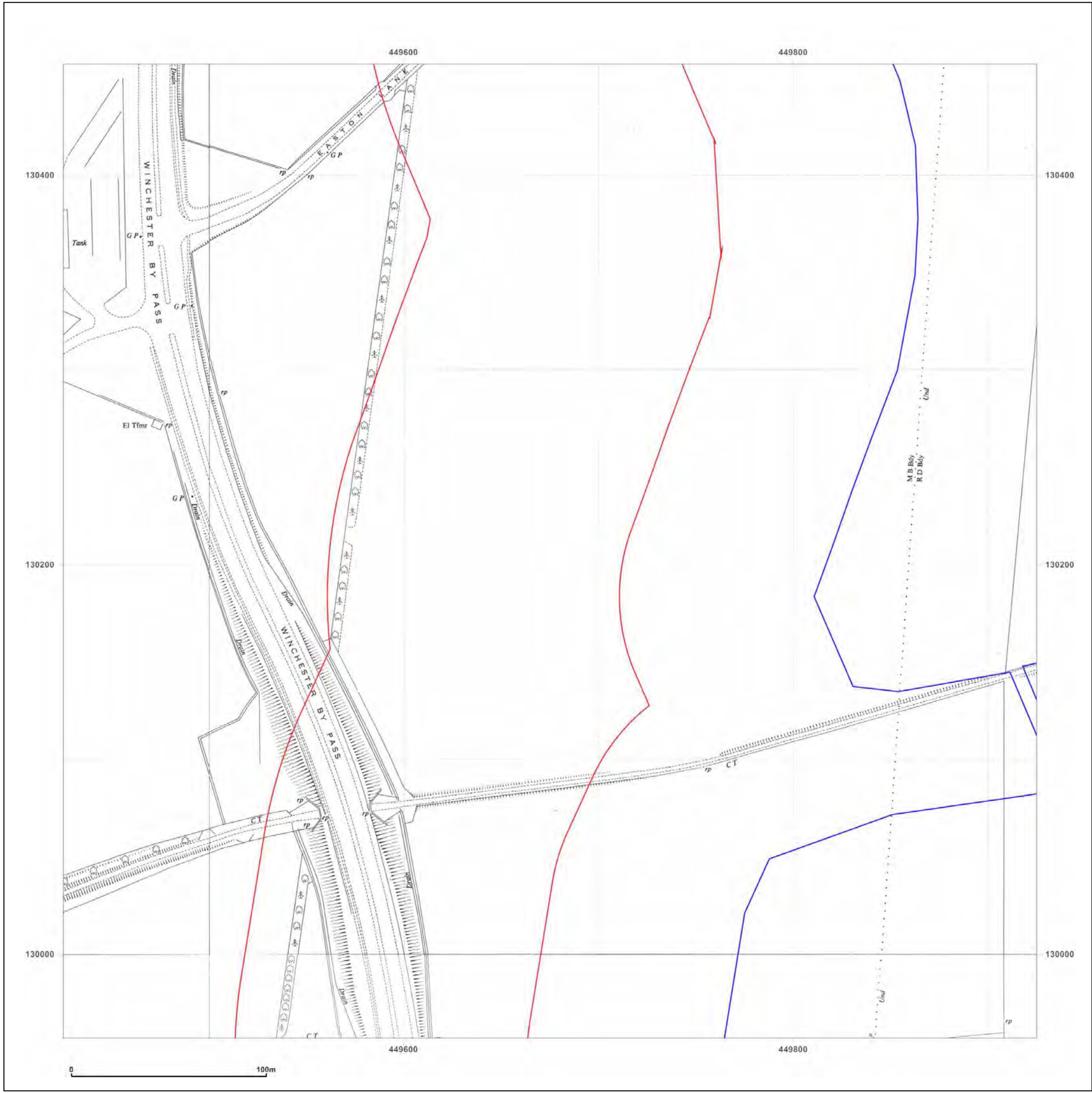


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Production date: 07 October 2020

Map legend available at:



Site Details:

449969.3362893146,
131042.05233653993

Client Ref: 33689-_M3J9-Site_2
Report Ref: GS-7137933_1250scale_2_2
Grid Ref: 449675, 130207

Map Name: National Grid

Map date: 1953

Scale: 1:1,250

Printed at: 1:2,000



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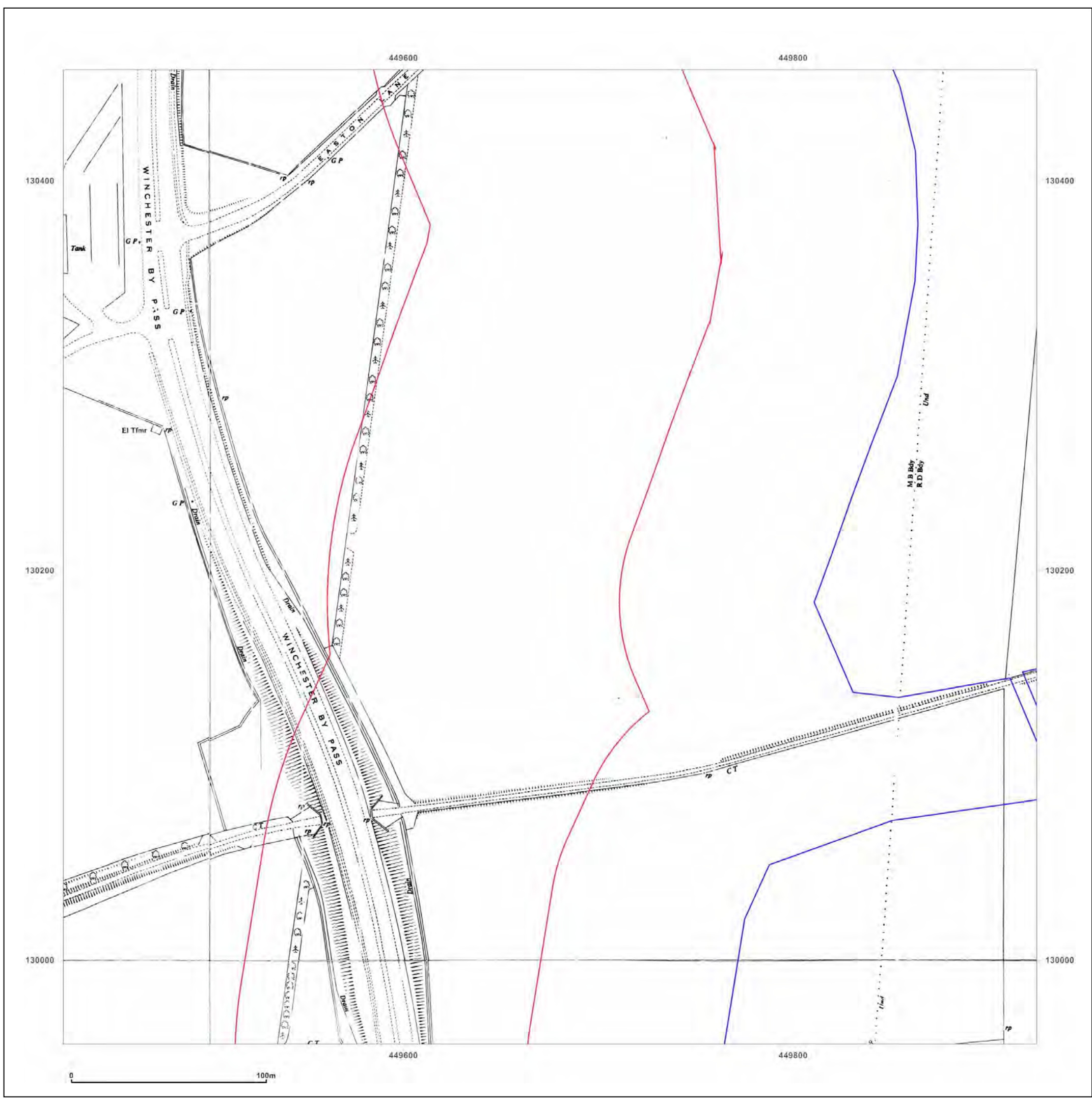


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Map legend available at:



Site Details:

449969.3362893146,
131042.05233653993

Client Ref: 33689-_M3J9-Site_2
Report Ref: GS-7137933_1250scale_2_2
Grid Ref: 449675, 130207

Map Name: National Grid

Map date: 1974-1975

Scale: 1:1,250

Printed at: 1:2,000



Surveyed N/A	Surveyed 1952
Revised N/A	Revised 1973
Edition N/A	Edition N/A
Copyright N/A	Copyright 1974
Levelled N/A	Levelled 1959

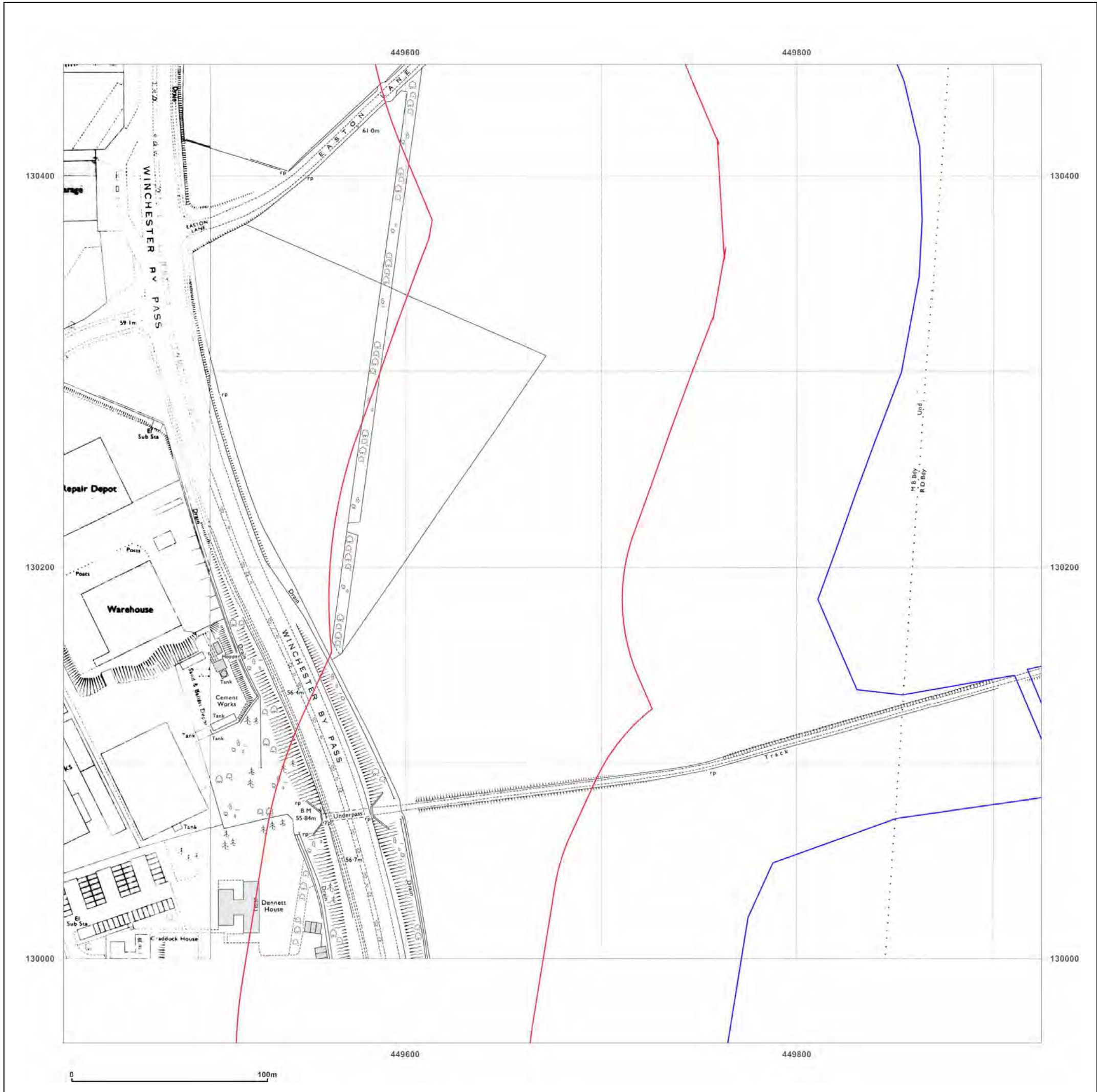


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Map legend available at:



Site Details:

449969.3362893146,
131042.05233653993

Client Ref: 33689-_M3J9-Site_2
Report Ref: GS-7137933_1250scale_2_2
Grid Ref: 449675, 130207

Map Name: National Grid

Map date: 1983-1986

Scale: 1:1,250

Printed at: 1:2,000



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Surveyed 1952 Revised 1981 Edition N/A Copyright 1983 Levelled 1958	Surveyed 1959 Revised 1986 Edition N/A Copyright 1986 Levelled 1959



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Map legend available at:



Site Details:

449969.3362893146,
131042.05233653993

Client Ref: 33689-_M3J9-Site_2
Report Ref: GS-7137933_1250scale_2_2
Grid Ref: 449675, 130207

Map Name: National Grid

Map date: 1992-1993

Scale: 1:1,250

Printed at: 1:2,000



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Edition N/A
Copyright 1993
Levelled N/A

Surveyed 1993
Revised N/A
Edition N/A
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Map legend available at:



Site Details:

449969.3362893146,
131042.05233653993

Client Ref: 33689-_M3J9-Site_2
Report Ref: GS-7137933_1250scale_2_2
Grid Ref: 449675, 130207

Map Name: National Grid

Map date: 1993-1995

Scale: 1:1,250

Printed at: 1:2,000



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Surveyed 1993 Revised N/A Edition N/A Copyright 1993 Levelled N/A	Surveyed 1993 Revised N/A Edition N/A Copyright 1993 Levelled N/A

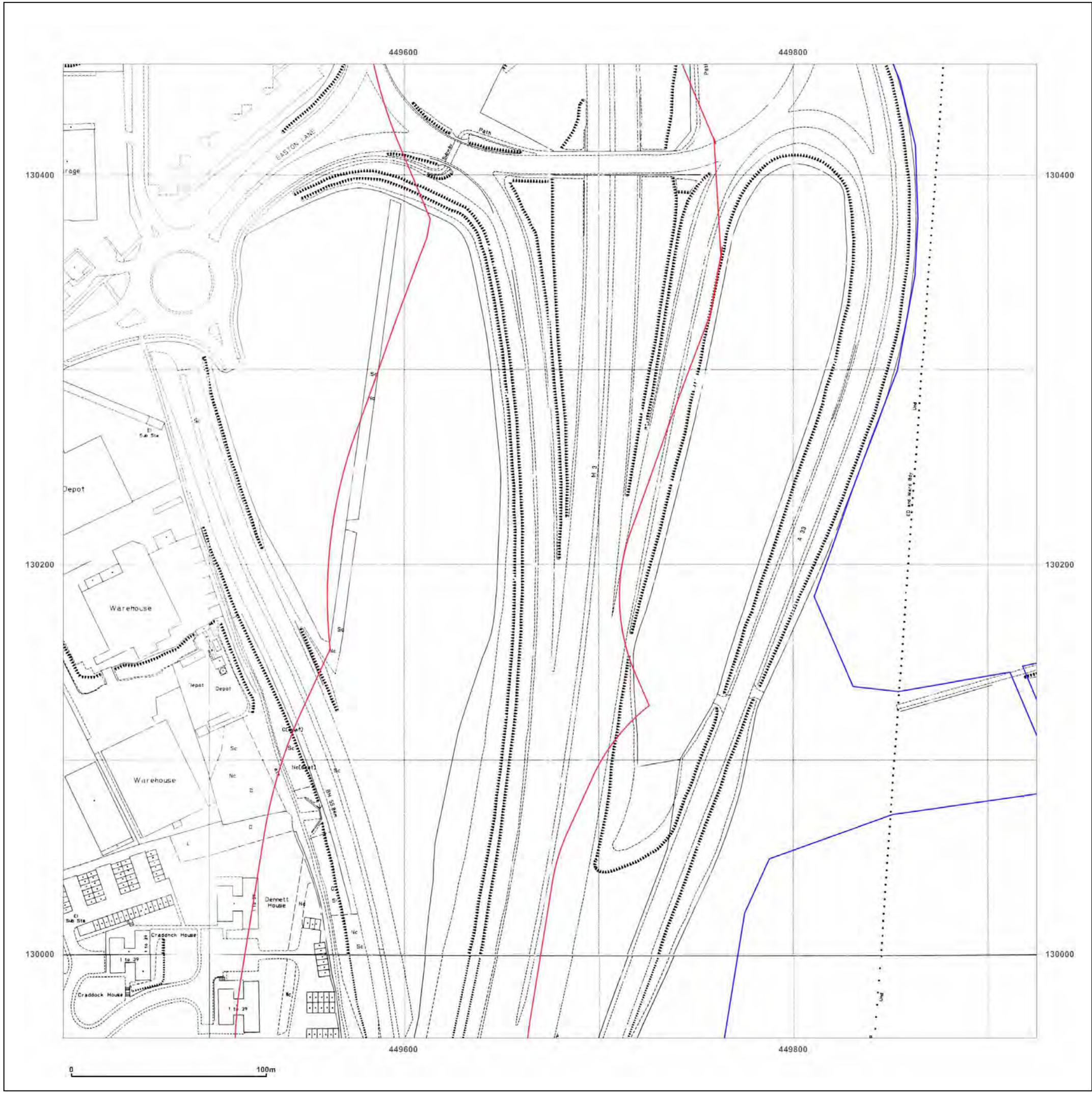


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Site Details:

449969.3362893146,
131042.05233653993

Client Ref: 33689-_M3J9-Site_2
Report Ref: GS-7137933_1250scale_2_2
Grid Ref: 449675, 130207

Map Name: National Grid

Map date: 1993-1995

Scale: 1:1,250

Printed at: 1:2,000



Surveyed 1995 Revised 1995 Edition N/A Copyright 1995 Levelled N/A	Surveyed 1995 Revised 1995 Edition N/A Copyright 1995 Levelled N/A
Surveyed N/A Revised N/A Edition N/A Copyright 1993 Levelled N/A	Surveyed N/A Revised N/A Edition N/A Copyright 1993 Levelled N/A

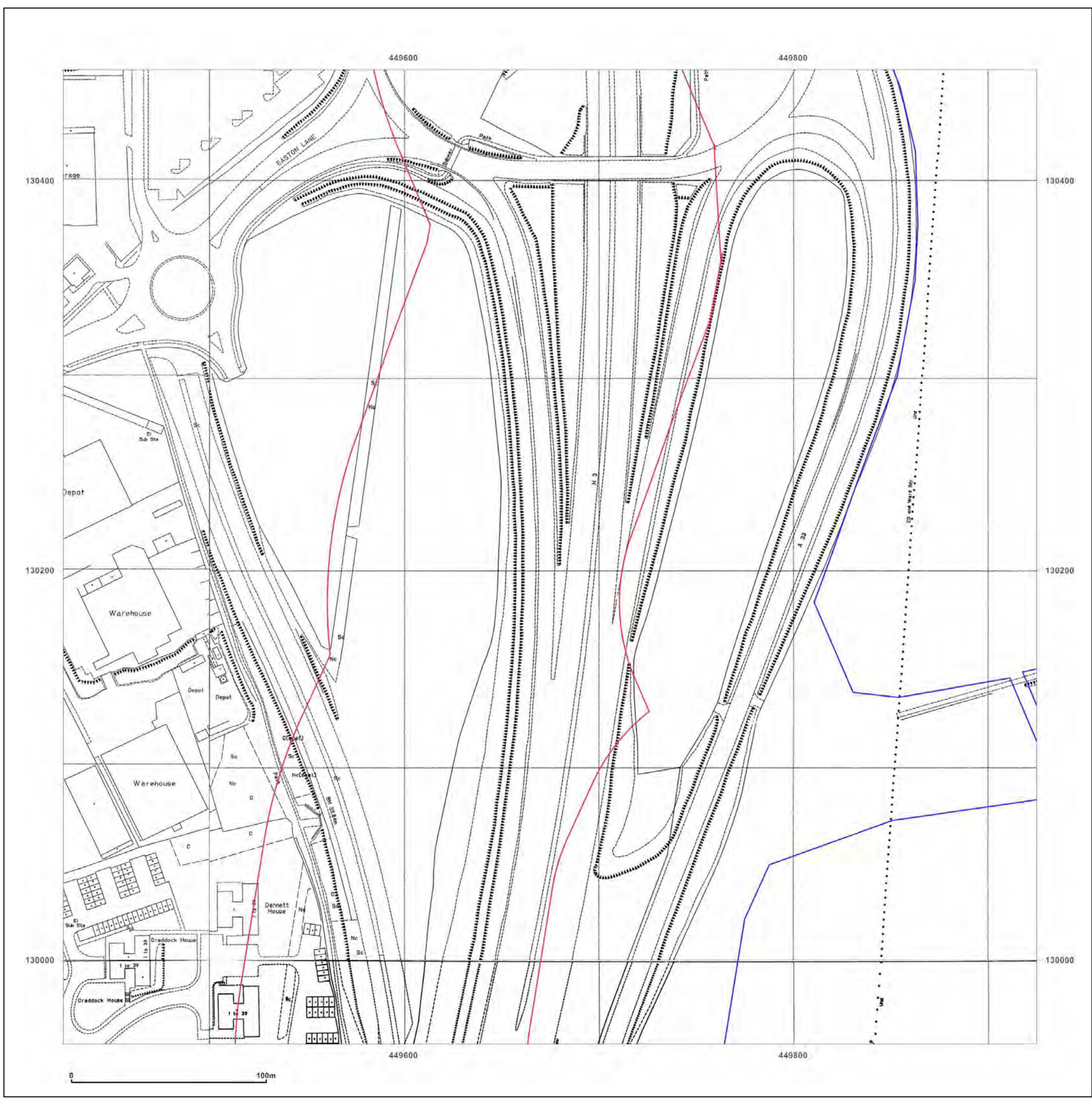


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Production date: 07 October 2020

Map legend available at:

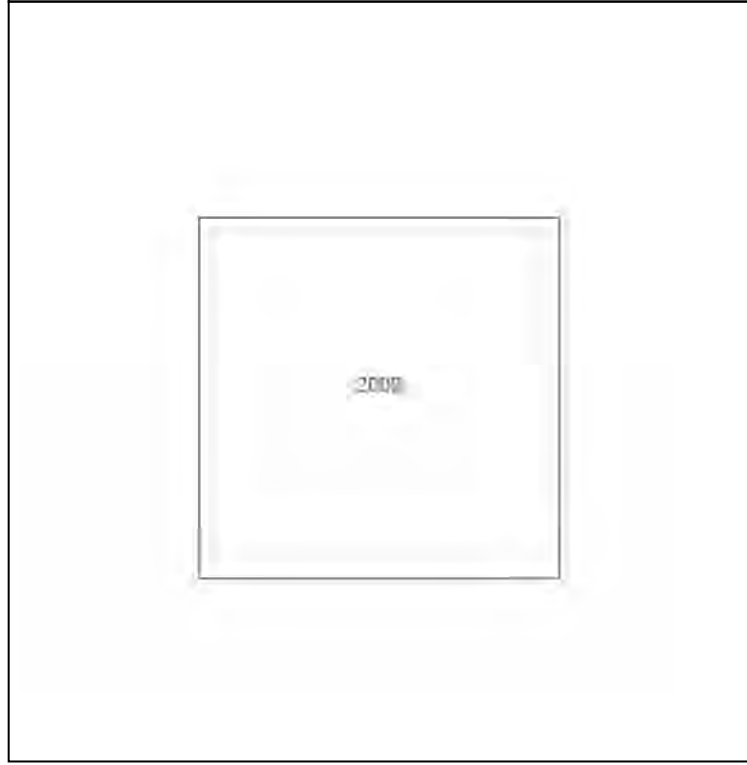
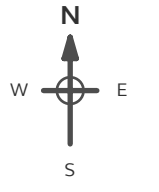


Site Details:

449969.3362893146,
131042.05233653993

Client Ref: 33689-_M3J9-Site_2
Report Ref: GS-7137933_1250scale_2_2
Grid Ref: 449675, 130207

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

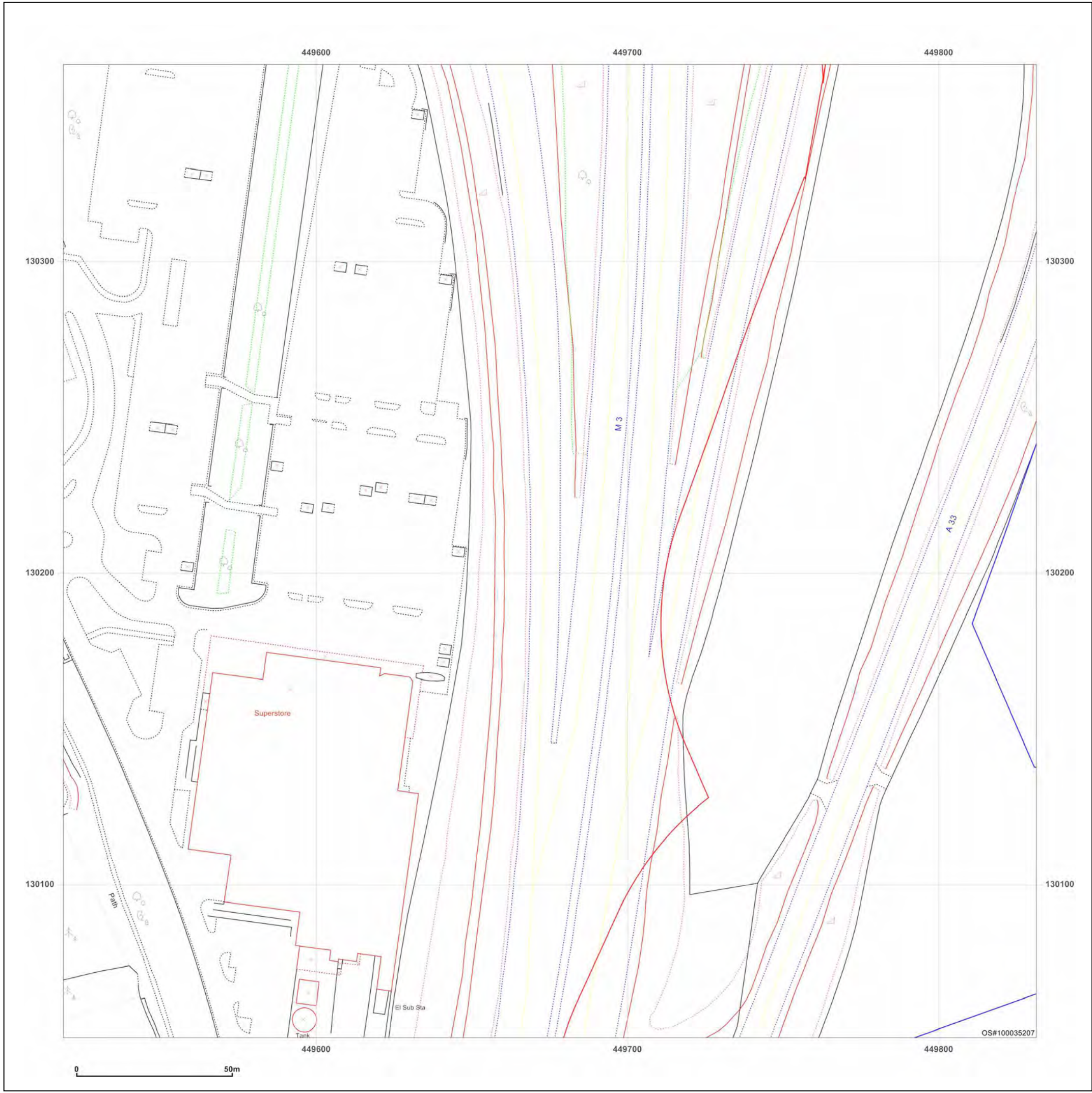


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Production date: 07 October 2020

Map legend available at:



Site Details:

449969.3362893146,
131042.05233653993

Client Ref: 33689-_M3J9-Site_2
Report Ref: GS-7137933_1250scale_2_3
Grid Ref: 449675, 130707

Map Name: National Grid

Map date: 1952

Scale: 1:1,250

Printed at: 1:2,000



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Surveyed 1952 Revised 1952 Edition N/A Copyright N/A Levelled 1940	Surveyed 1952 Revised 1952 Edition N/A Copyright N/A Levelled 1937



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Production date: 07 October 2020

Map legend available at:



Site Details:

449969.3362893146,
131042.05233653993

Client Ref: 33689-_M3J9-Site_2
Report Ref: GS-7137933_1250scale_2_3
Grid Ref: 449675, 130707

Map Name: National Grid

Map date: 1953

Scale: 1:1,250

Printed at: 1:2,000



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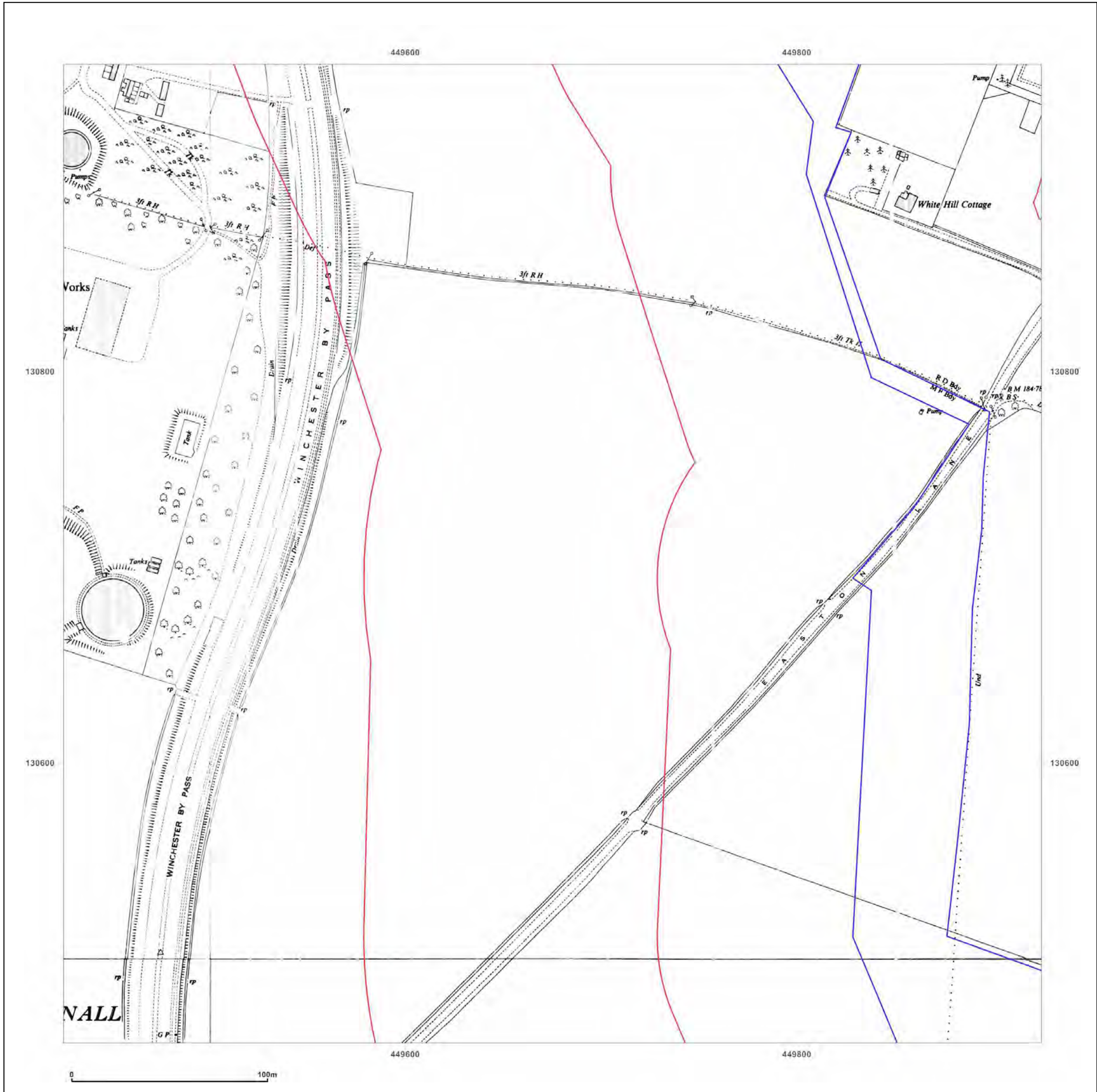


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Production date: 07 October 2020

Map legend available at:



Site Details:

449969.3362893146,
131042.05233653993

Client Ref: 33689-_M3J9-Site_2
Report Ref: GS-7137933_1250scale_2_3
Grid Ref: 449675, 130707

Map Name: National Grid

Map date: 1965-1966

Scale: 1:1,250

Printed at: 1:2,000



Surveyed 1952
Revised 1963
Edition N/A
Copyright 1966
Levelled 1959

Surveyed 1952
Revised 1965
Edition N/A
Copyright 1966
Levelled 1959

Surveyed 1965
Revised 1965
Edition N/A
Copyright 1965
Levelled 1959



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Map legend available at:



Site Details:

449969.3362893146,
131042.05233653993

Client Ref: 33689-_M3J9-Site_2
Report Ref: GS-7137933_1250scale_2_3
Grid Ref: 449675, 130707

Map Name: National Grid

Map date: 1973-1975

Scale: 1:1,250

Printed at: 1:2,000



Surveyed 1952 Revised 1972 Edition N/A Copyright 1973 Levelled 1959	Surveyed N/A Revised N/A Edition N/A Copyright N/A Levelled N/A
Surveyed 1952 Revised 1972 Edition N/A Copyright 1973 Levelled 1959	Surveyed 1952 Revised 1973 Edition N/A Copyright 1974 Levelled 1959



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Production date: 07 October 2020

Map legend available at:



Site Details:

449969.3362893146,
131042.05233653993

Client Ref: 33689_M3J9-Site_2
Report Ref: GS-7137933_1250scale_2_3
Grid Ref: 449675, 130707

Map Name: National Grid

Map date: 1986

Scale: 1:1,250

Printed at: 1:2,000



Surveyed 1959 Revised 1986 Edition N/A Copyright 1986 Levelled 1959	Surveyed 1959 Revised 1986 Edition N/A Copyright 1986 Levelled 1959
Surveyed 1959 Revised 1986 Edition N/A Copyright 1986 Levelled 1959	Surveyed 1959 Revised 1986 Edition N/A Copyright 1986 Levelled 1959

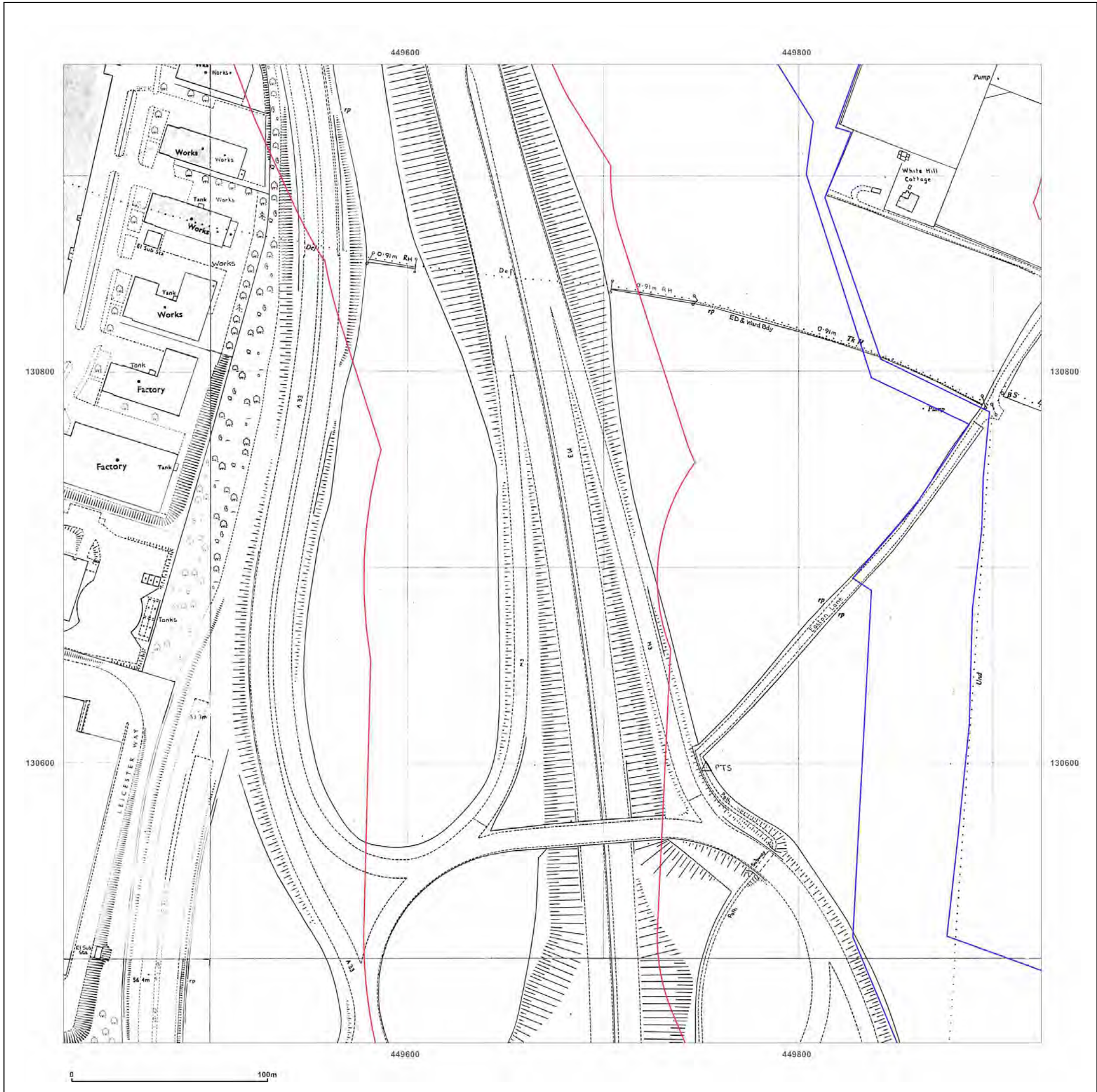


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Production date: 07 October 2020

Map legend available at:



Site Details:

449969.3362893146,
131042.05233653993

Client Ref: 33689-_M3J9-Site_2
Report Ref: GS-7137933_1250scale_2_3
Grid Ref: 449675, 130707

Map Name: National Grid

Map date: 1993

Scale: 1:1,250

Printed at: 1:2,000



Surveyed 1993
Revised N/A
Edition N/A
Copyright 1993
Levelled N/A

Surveyed 1993
Revised N/A
Edition N/A
Copyright 1993
Levelled N/A

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Edition N/A
Copyright 1993
Levelled N/A

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Revised N/A
Edition N/A
Copyright 1993
Levelled N/A

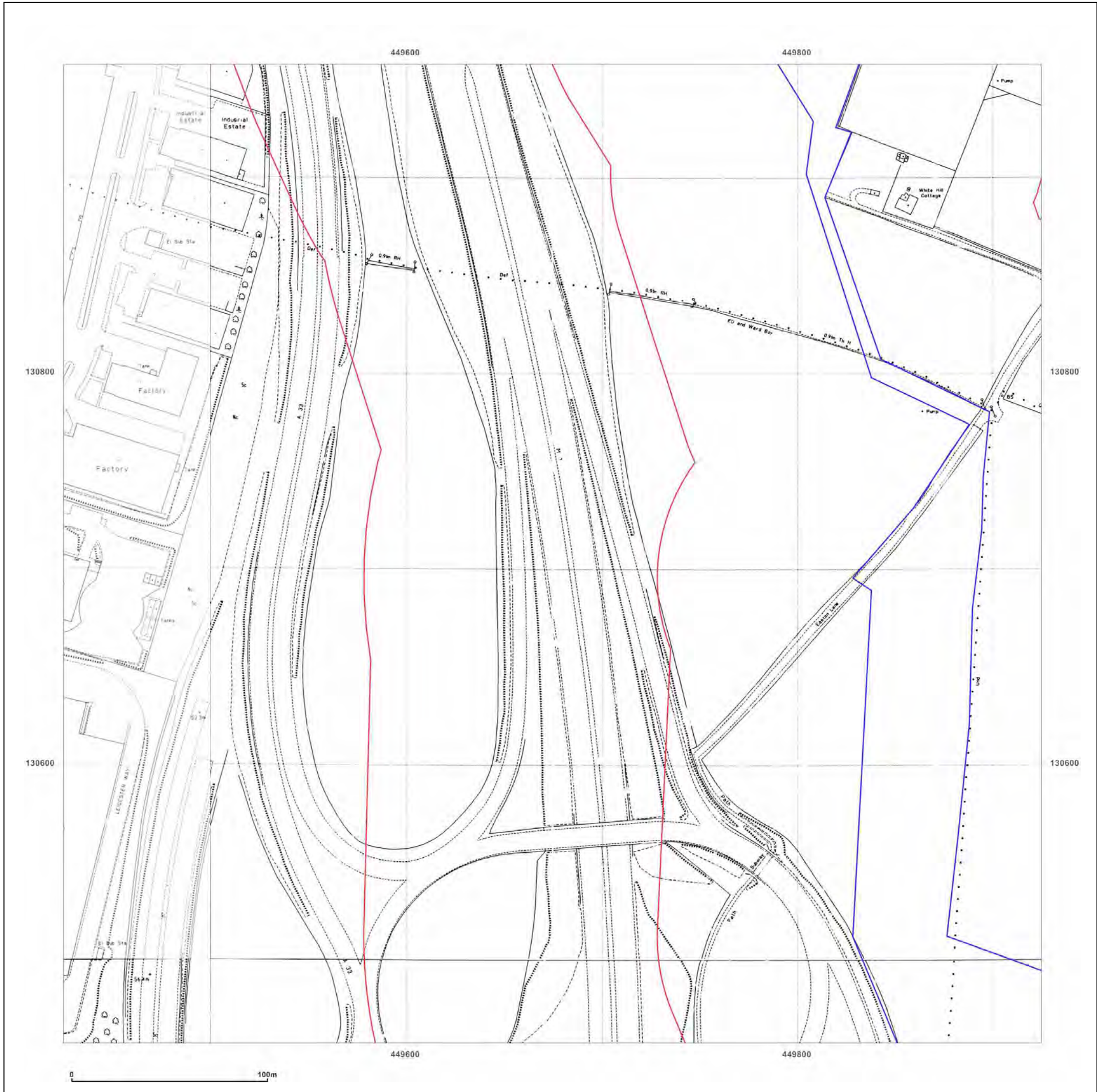


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Production date: 07 October 2020

Map legend available at:



Site Details:

449969.3362893146,
131042.05233653993

Client Ref: 33689-_M3J9-Site_2
Report Ref: GS-7137933_1250scale_2_3
Grid Ref: 449675, 130707

Map Name: National Grid

Map date: 1995

Scale: 1:1,250

Printed at: 1:2,000



Surveyed 1995 Revised N/A Edition N/A Copyright 1995 Levelled N/A	Surveyed 1995 Revised N/A Edition N/A Copyright 1995 Levelled N/A
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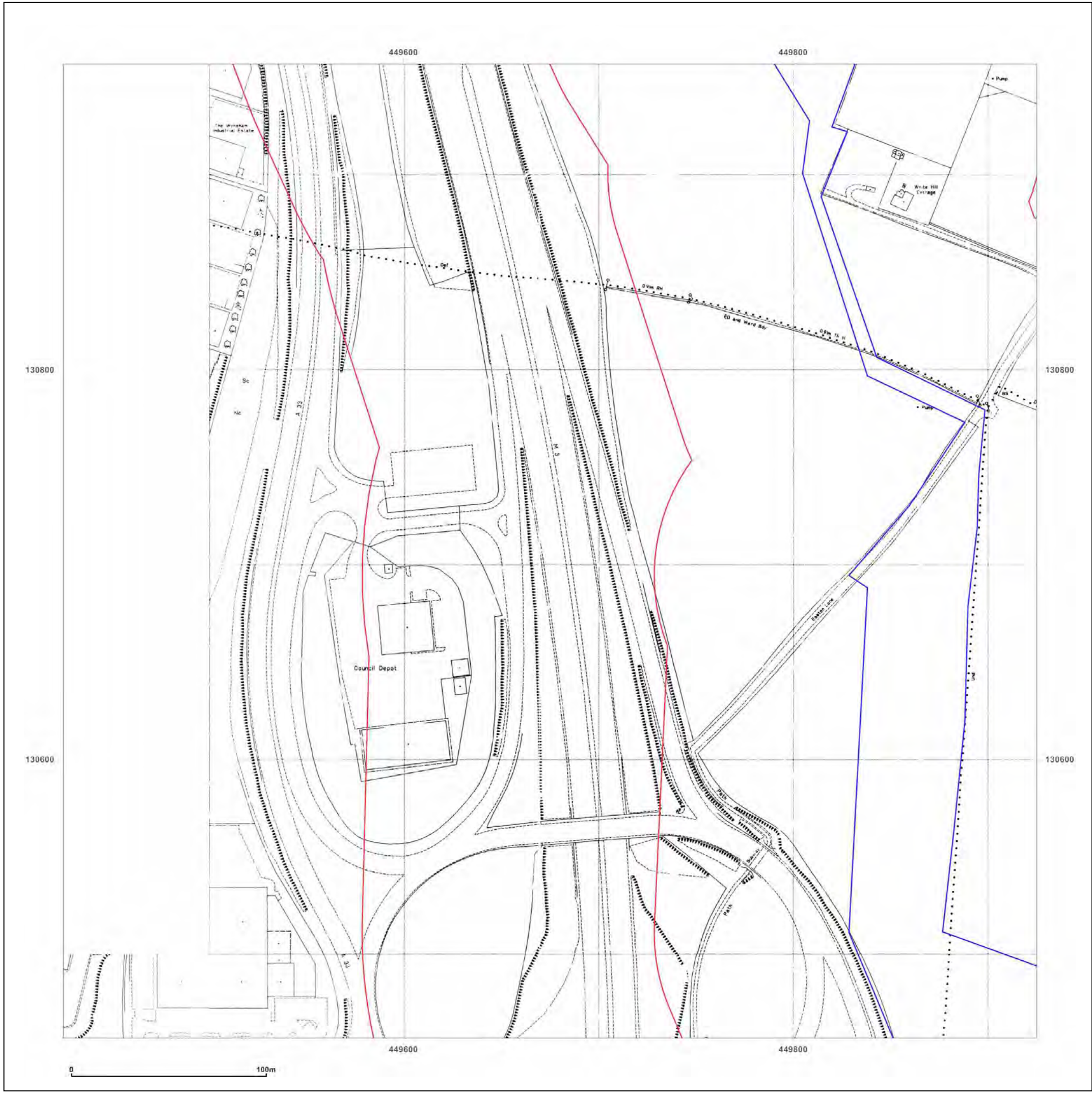


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Production date: 07 October 2020

Map legend available at:



Site Details:

449969.3362893146,
131042.05233653993

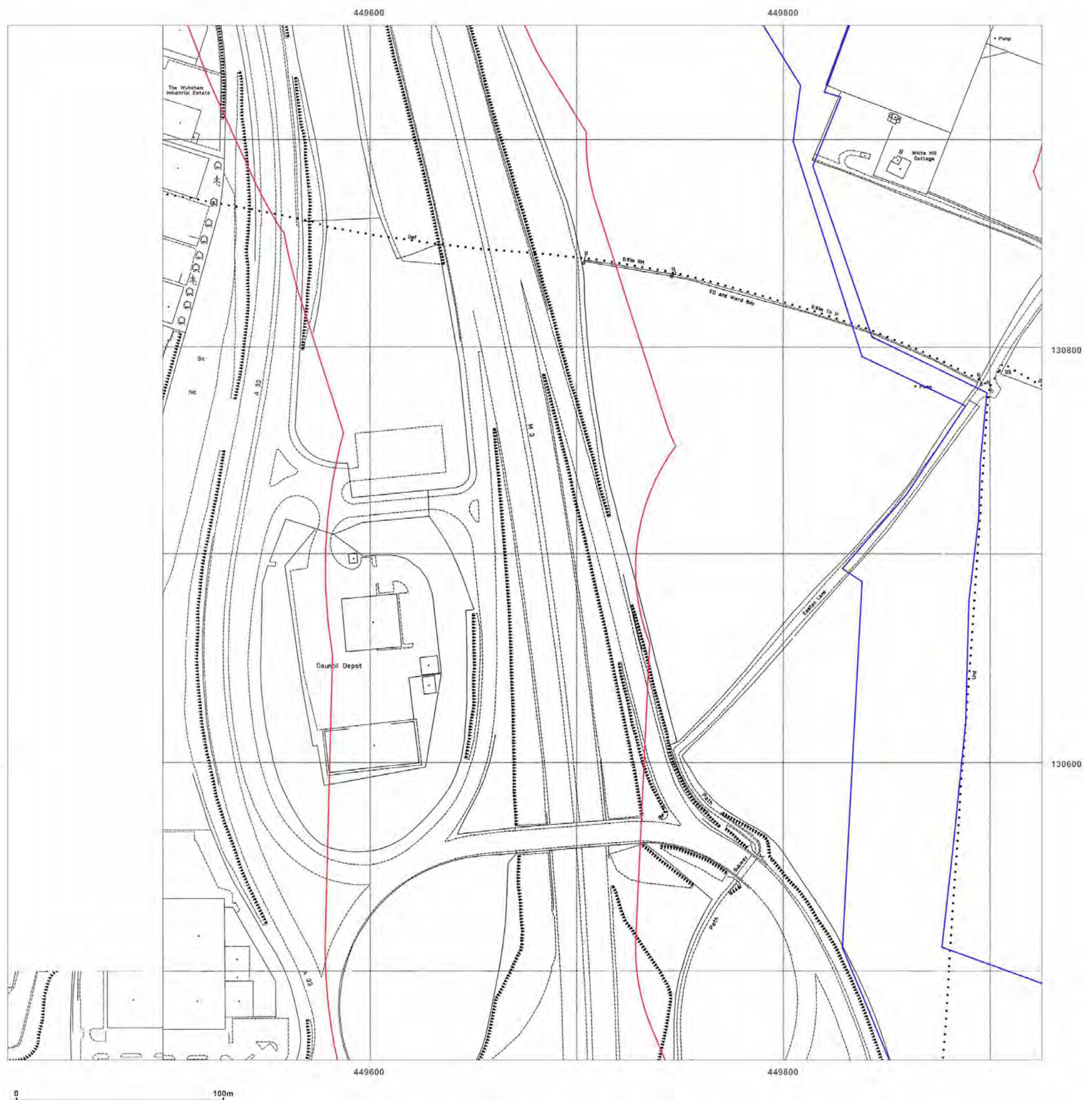
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Report Ref: GS-7137933_1250scale_2_3
Grid Ref: 449675, 130707

Map Name: National Grid

Map date: 1995

Scale: 1:1,250

Printed at: 1:2,000



Surveyed 1995
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Edition N/A
Copyright 1995
Levelled N/A

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Revised 1995
Edition N/A
Copyright 1995
Levelled N/A

Surveyed 1995
Revised 1995
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Copyright 1995
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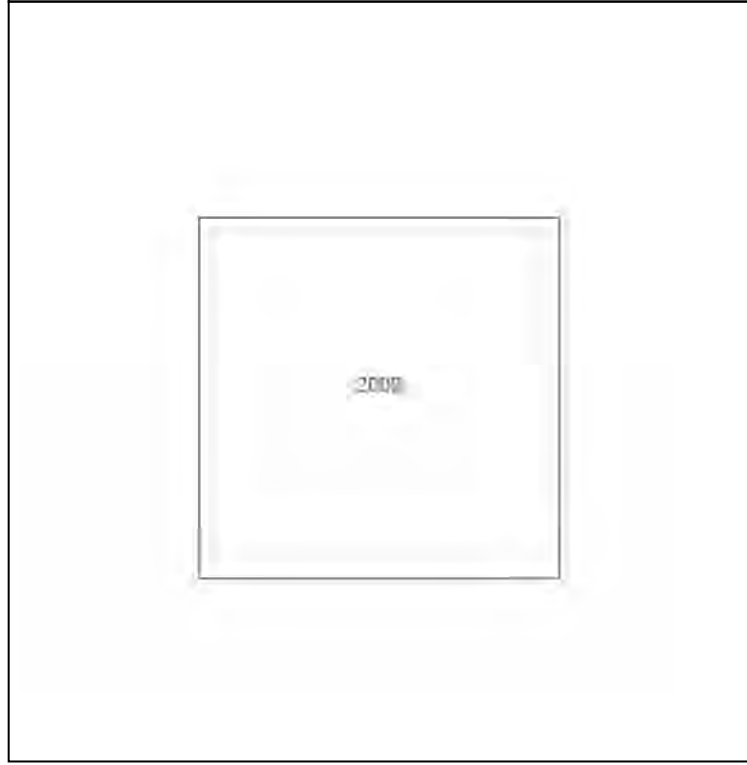
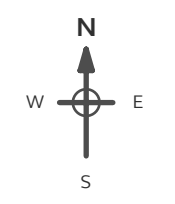
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Site Details:

449969.3362893146,
131042.05233653993

Client Ref: 33689-_M3J9-Site_2
Report Ref: GS-7137933_1250scale_2_3
Grid Ref: 449675, 130707

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

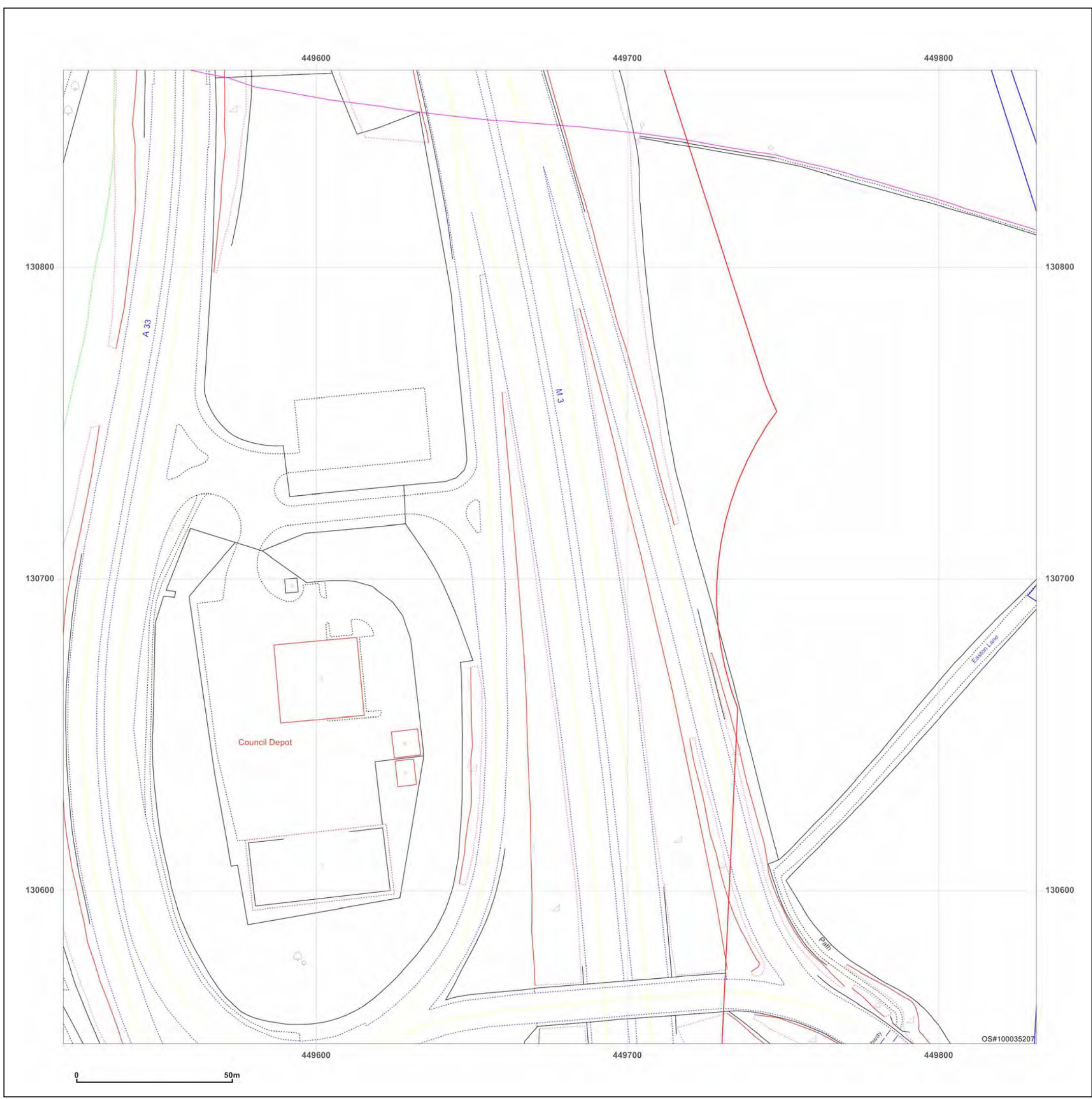


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Production date: 07 October 2020

Map legend available at:

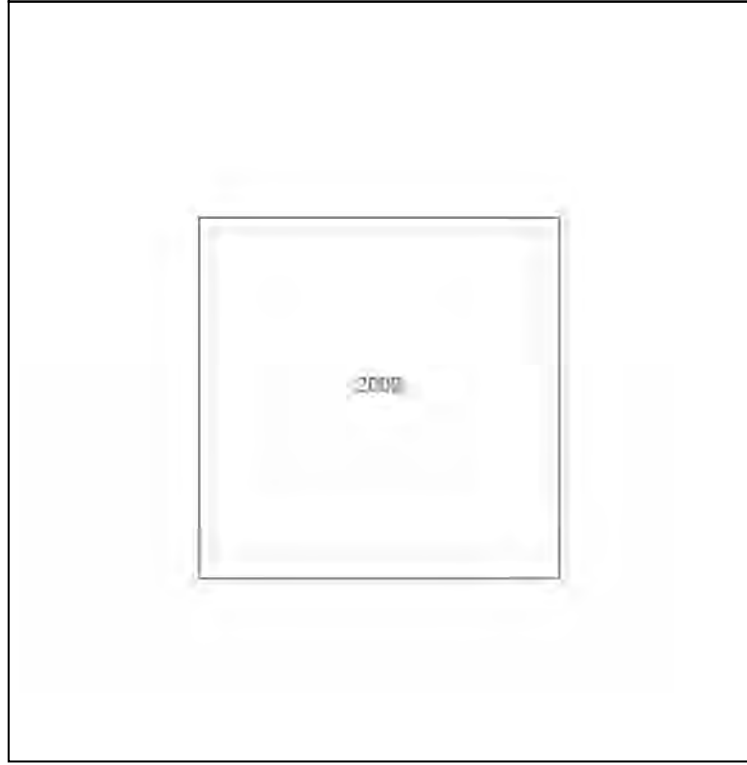
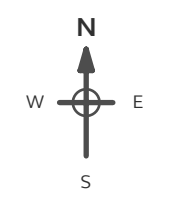


Site Details:

449969.3362893146,
131042.05233653993

Client Ref: 33689-_M3J9-Site_2
Report Ref: GS-7137933_1250scale_2_4
Grid Ref: 449675, 131207

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

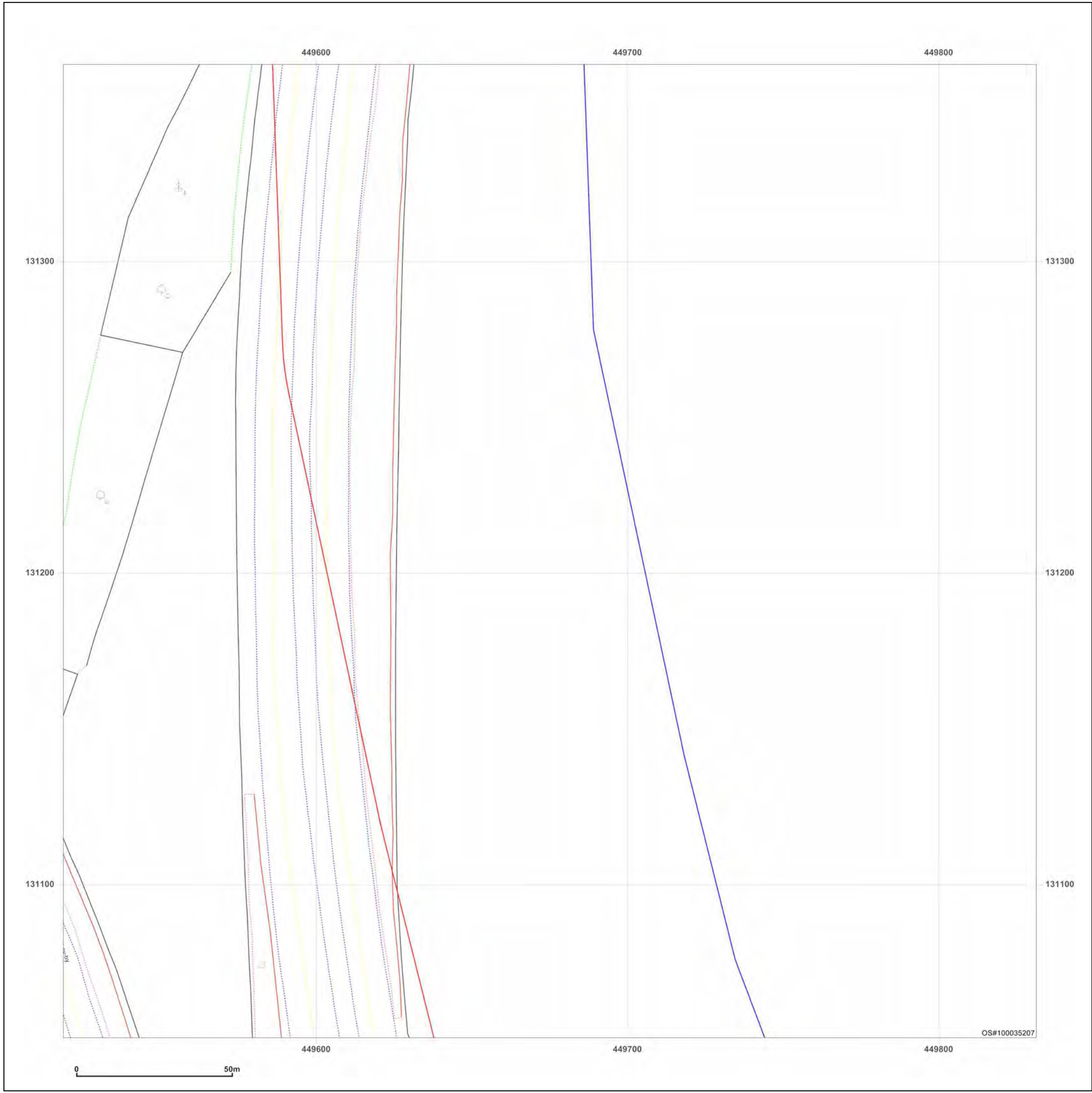


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Production date: 07 October 2020

Map legend available at:



Site Details:

449969.3362893146,
131042.05233653993

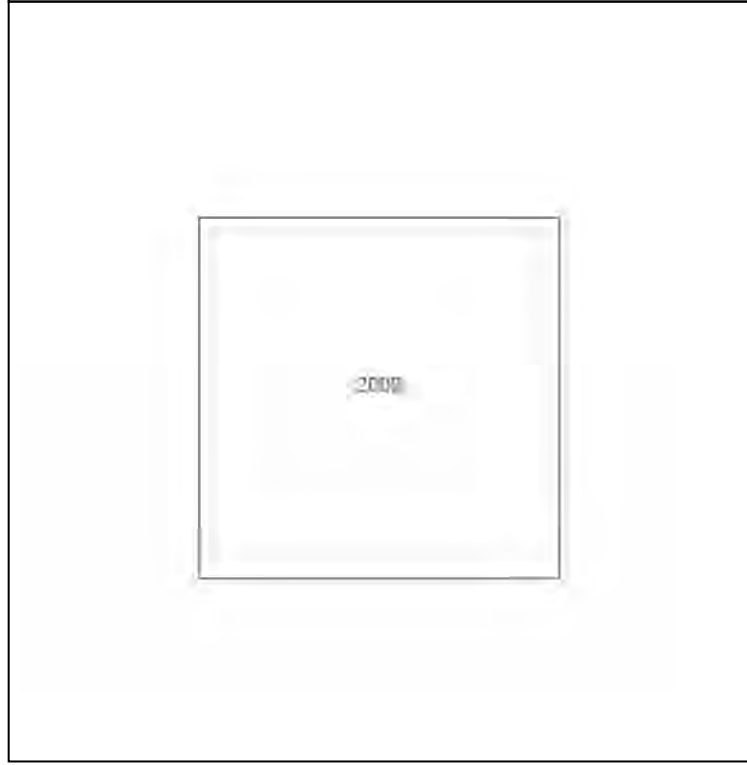
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Report Ref: GS-7137933_1250scale_2_5
Grid Ref: 449675, 131707

Map Name: LandLine

Map date: 2003

Scale: 1:1,250

Printed at: 1:1,250

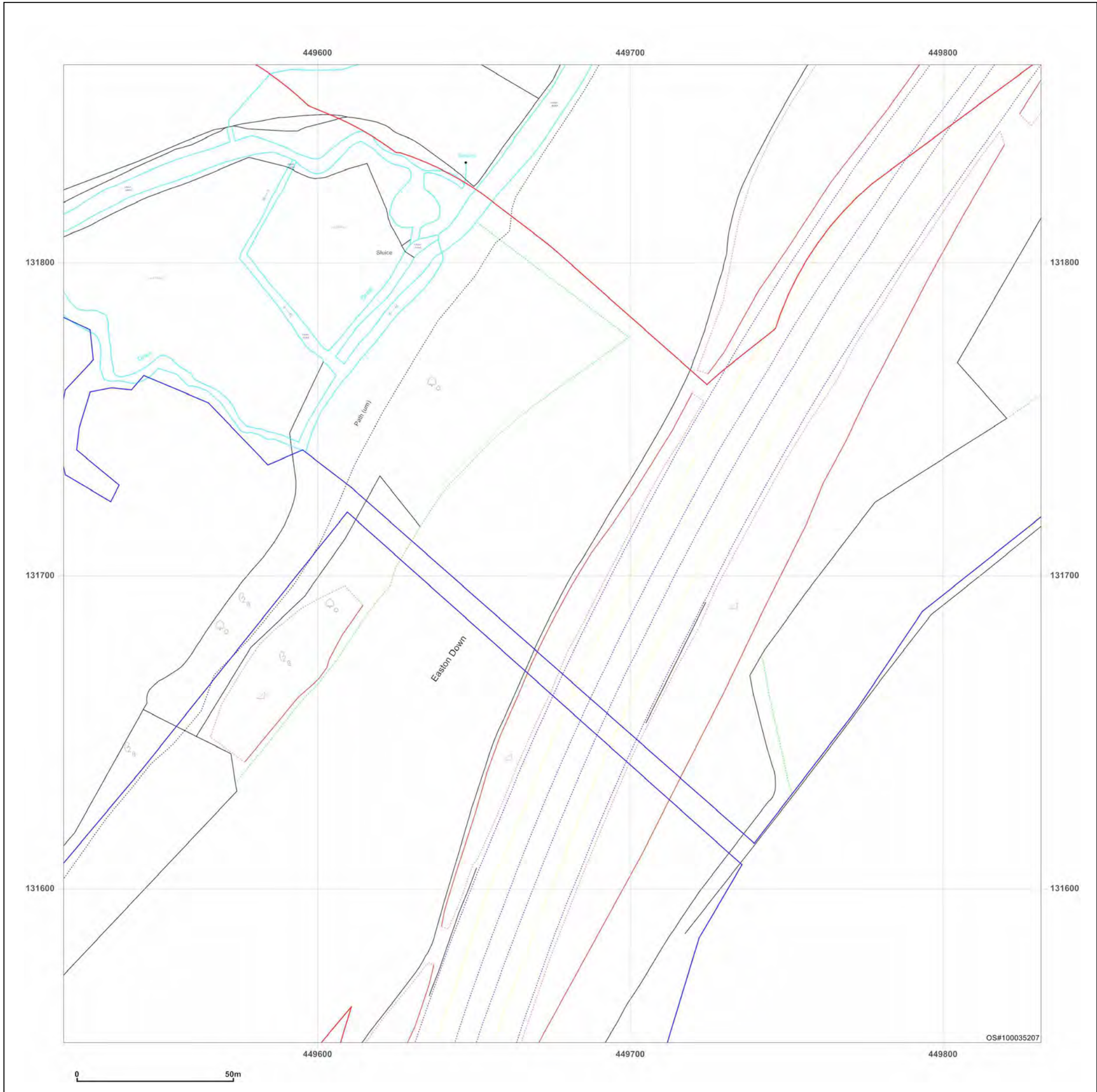


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Production date: 07 October 2020

Map legend available at:



Site Details:

449969.3362893146,
131042.05233653993

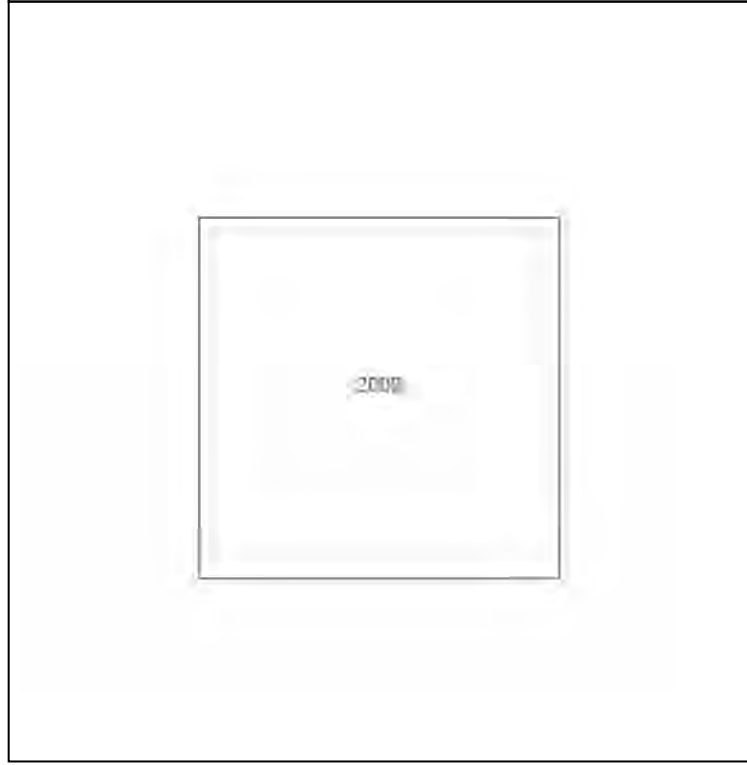
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Report Ref: GS-7137933_1250scale_2_6
Grid Ref: 449675, 132207

Map Name: LandLine

Map date: 2003

Scale: 1:1,250

Printed at: 1:1,250

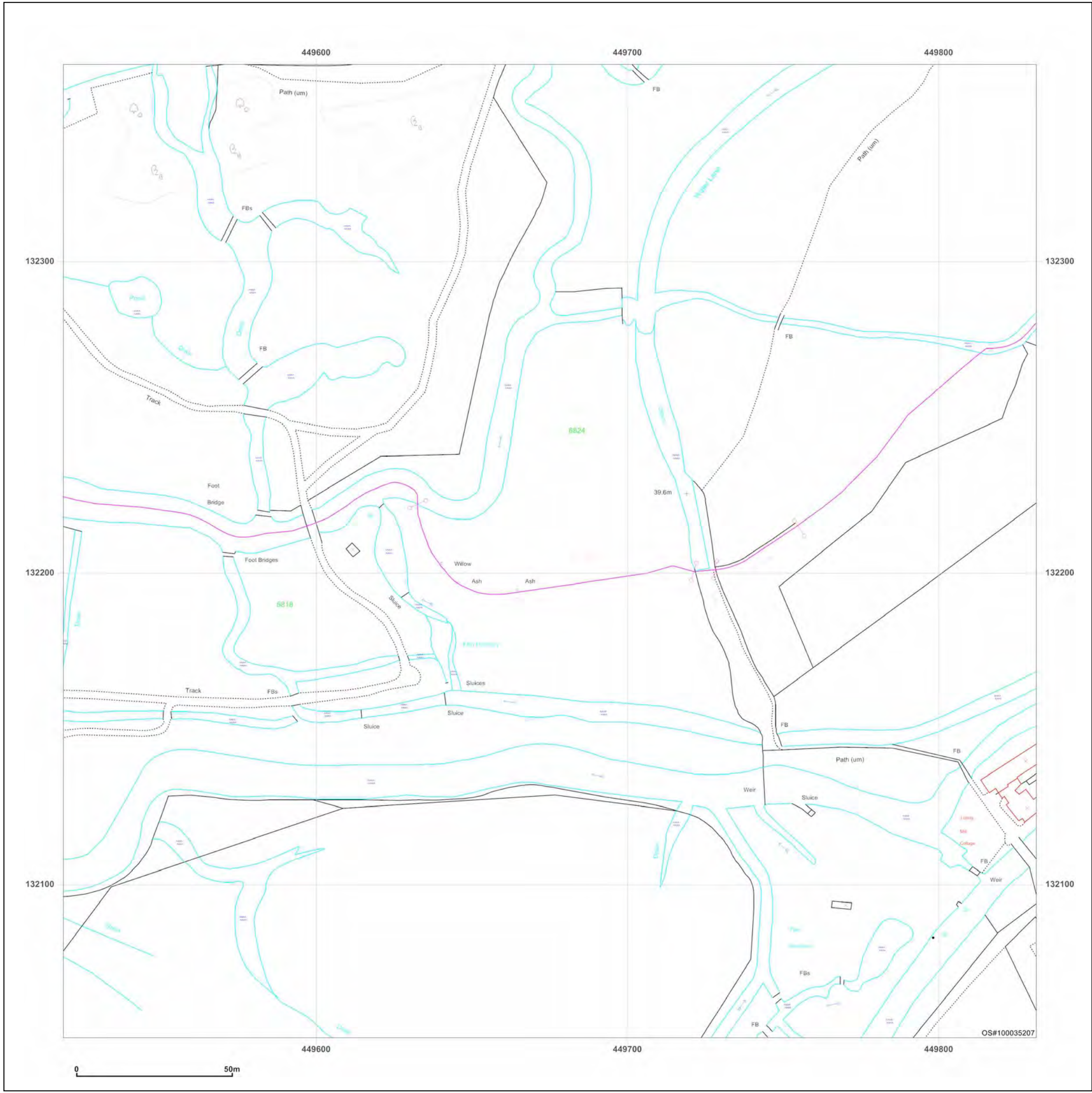


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Production date: 07 October 2020

Map legend available at:

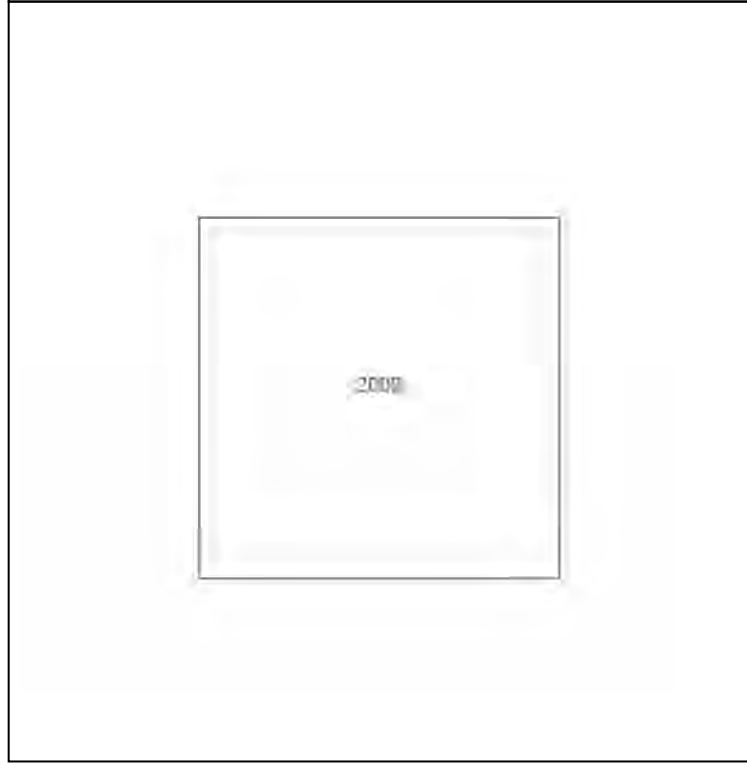
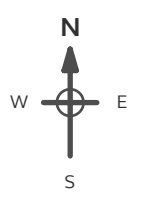


Site Details:

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131042.05233653993

Client Ref: 33689-_M3J9-Site_2
Report Ref: GS-7137933_1250scale_3_2
Grid Ref: 450175, 130207

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

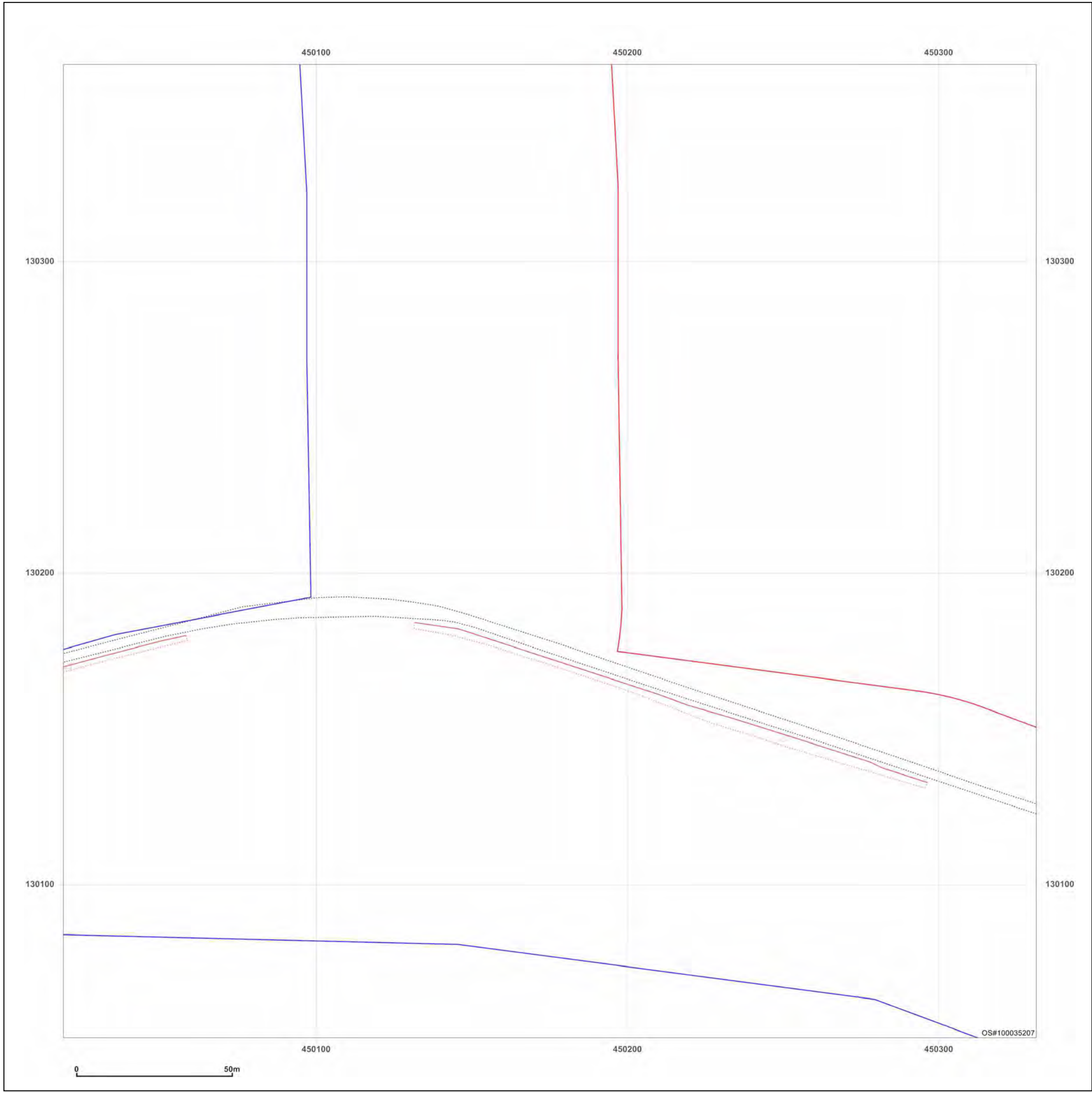


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Production date: 07 October 2020

Map legend available at:

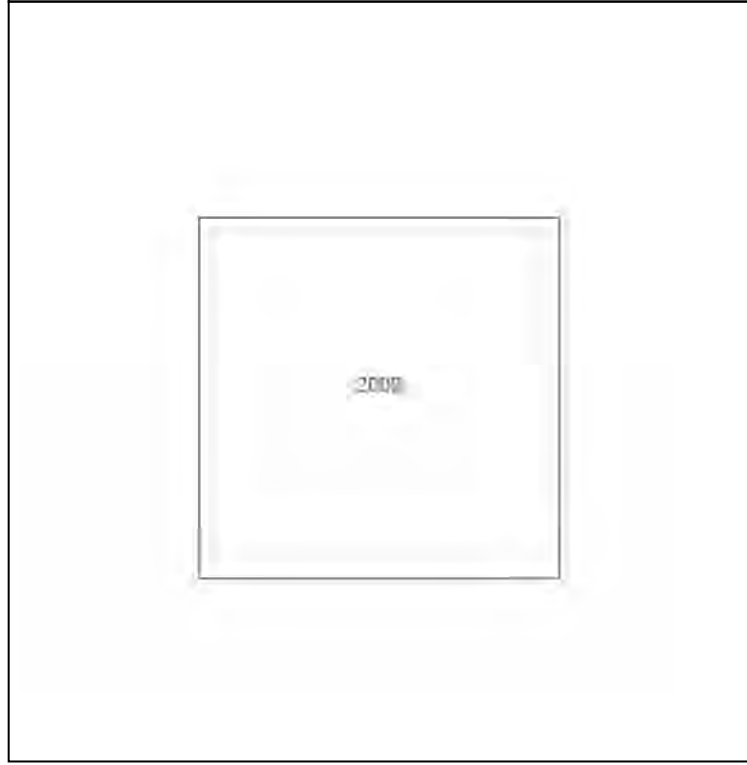
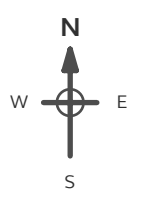


Site Details:

449969.3362893146,
131042.05233653993

Client Ref: 33689-_M3J9-Site_2
Report Ref: GS-7137933_1250scale_3_3
Grid Ref: 450175, 130707

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

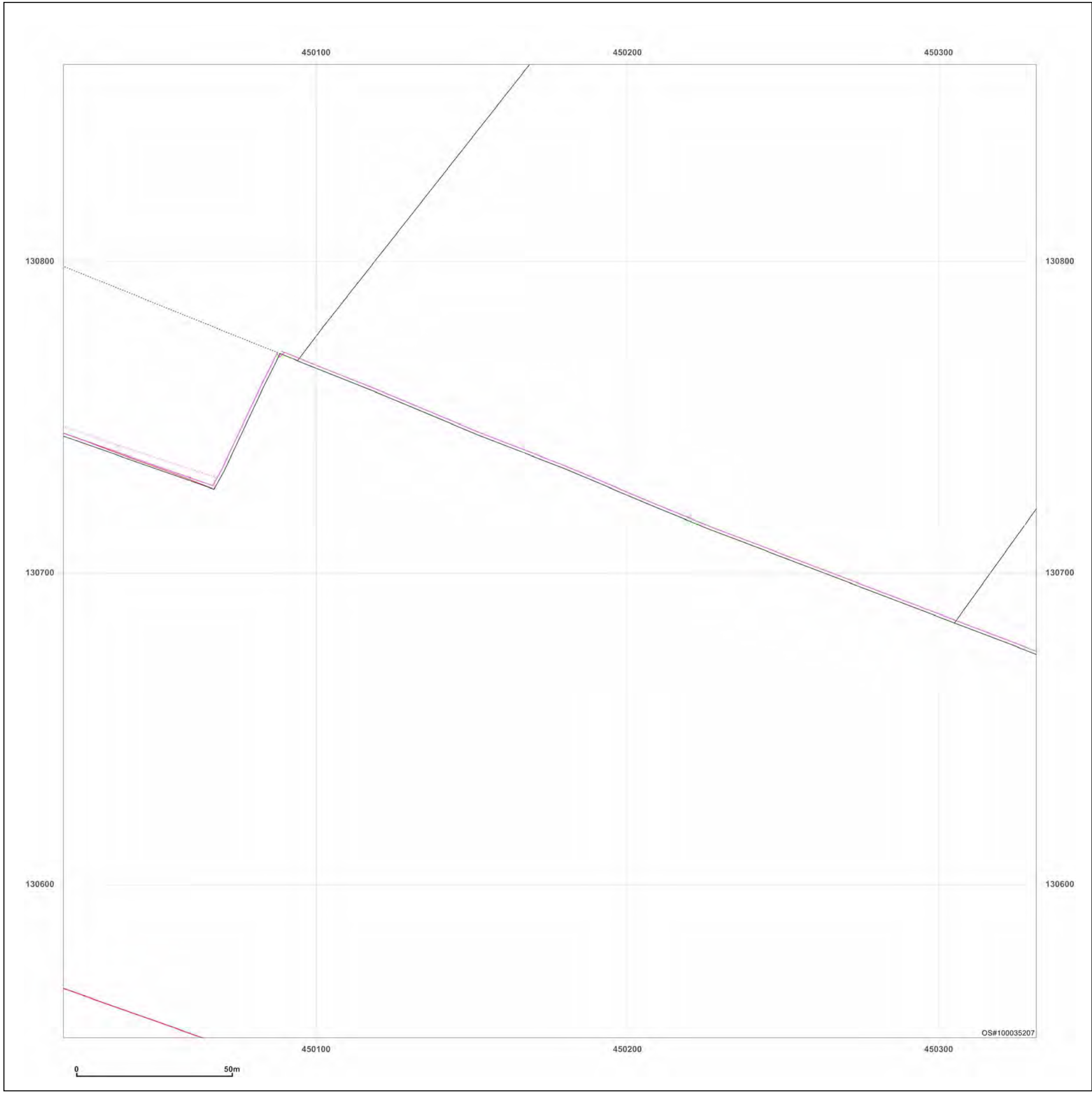


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Production date: 07 October 2020

Map legend available at:

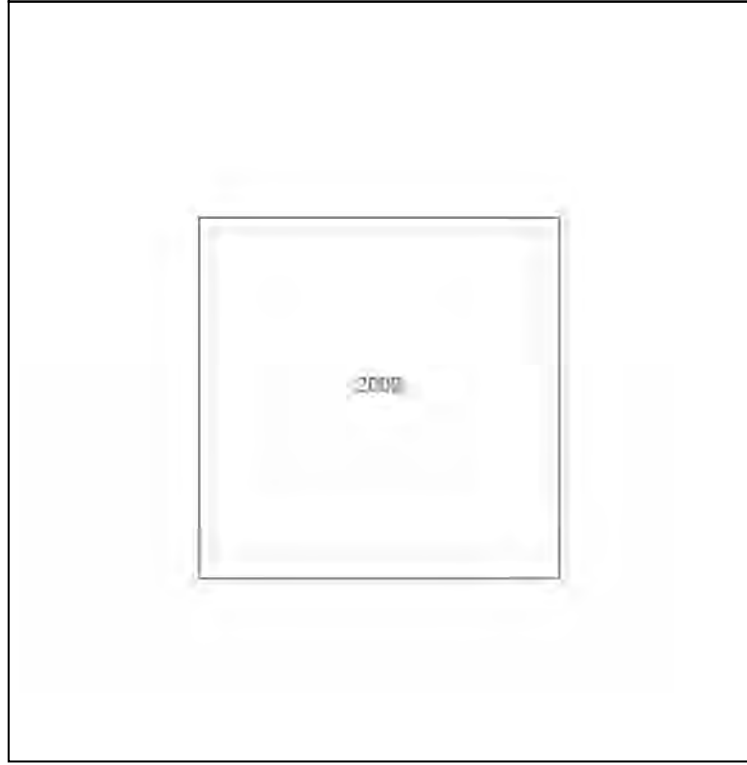
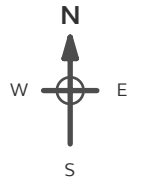


Site Details:

449969.3362893146,
131042.05233653993

Client Ref: 33689-_M3J9-Site_2
Report Ref: GS-7137933_1250scale_3_4
Grid Ref: 450175, 131207

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

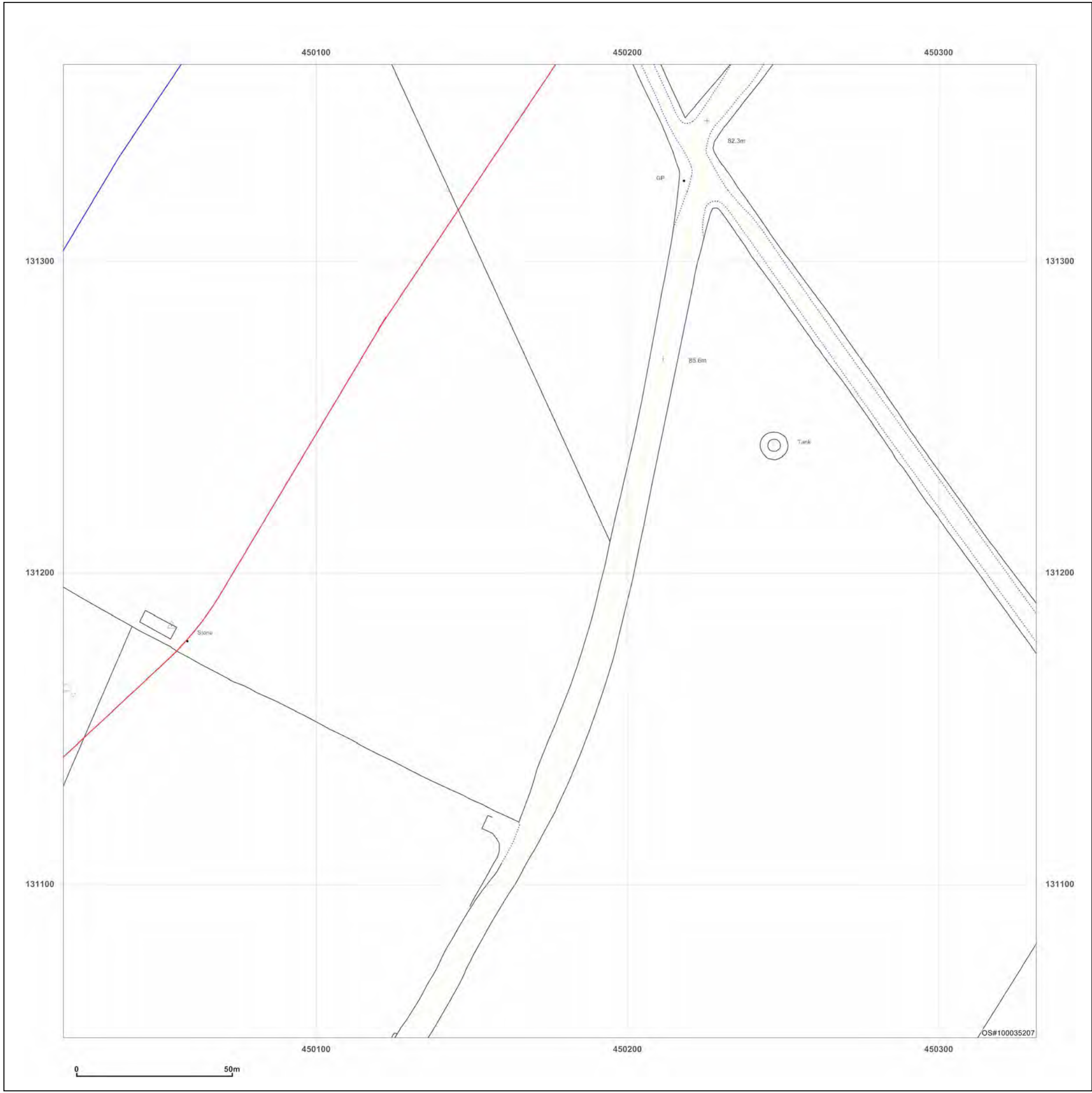


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Production date: 07 October 2020

Map legend available at:

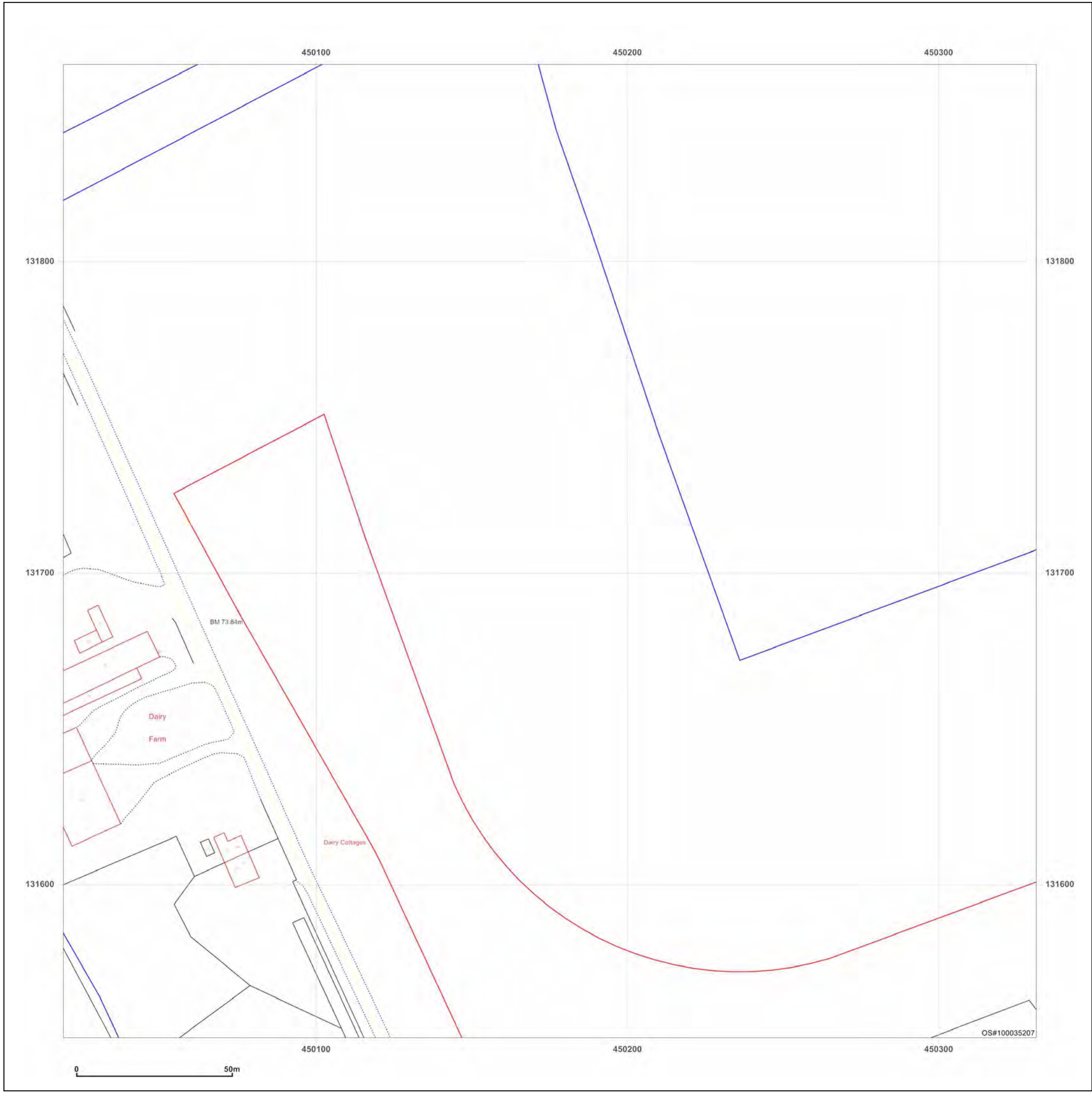
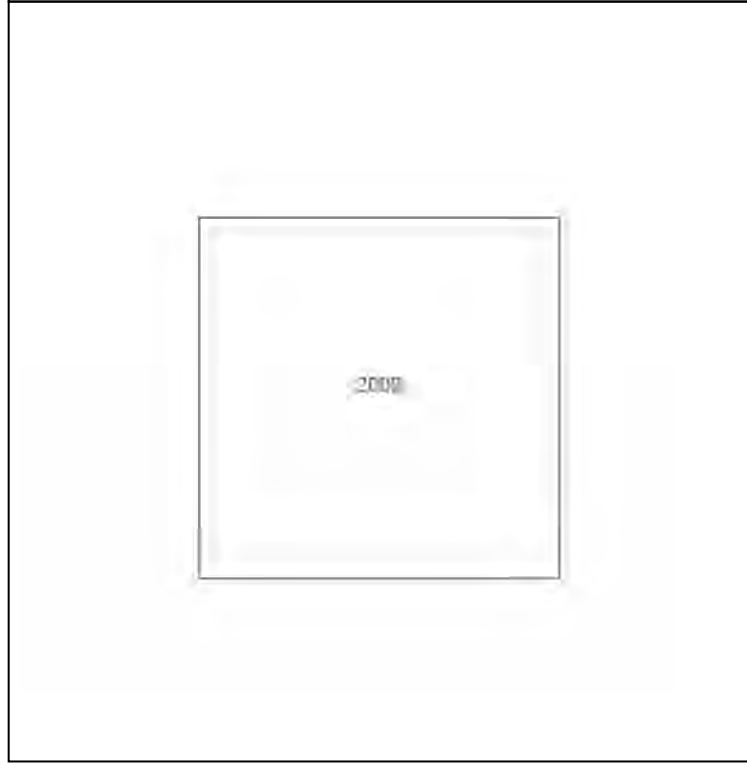
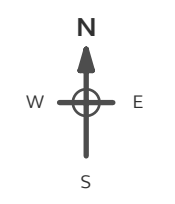


Site Details:

449969.3362893146,
131042.05233653993

Client Ref: 33689-_M3J9-Site_2
Report Ref: GS-7137933_1250scale_3_5
Grid Ref: 450175, 131707

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



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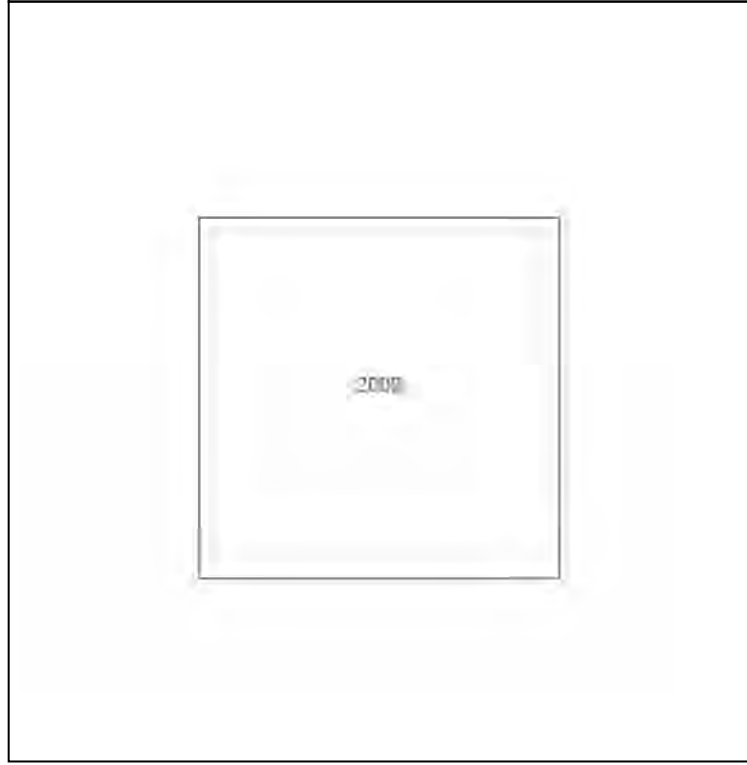
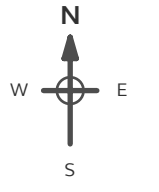
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449969.3362893146,
131042.05233653993

Client Ref: 33689-_M3J9-Site_2
Report Ref: GS-7137933_1250scale_3_6
Grid Ref: 450175, 132207

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

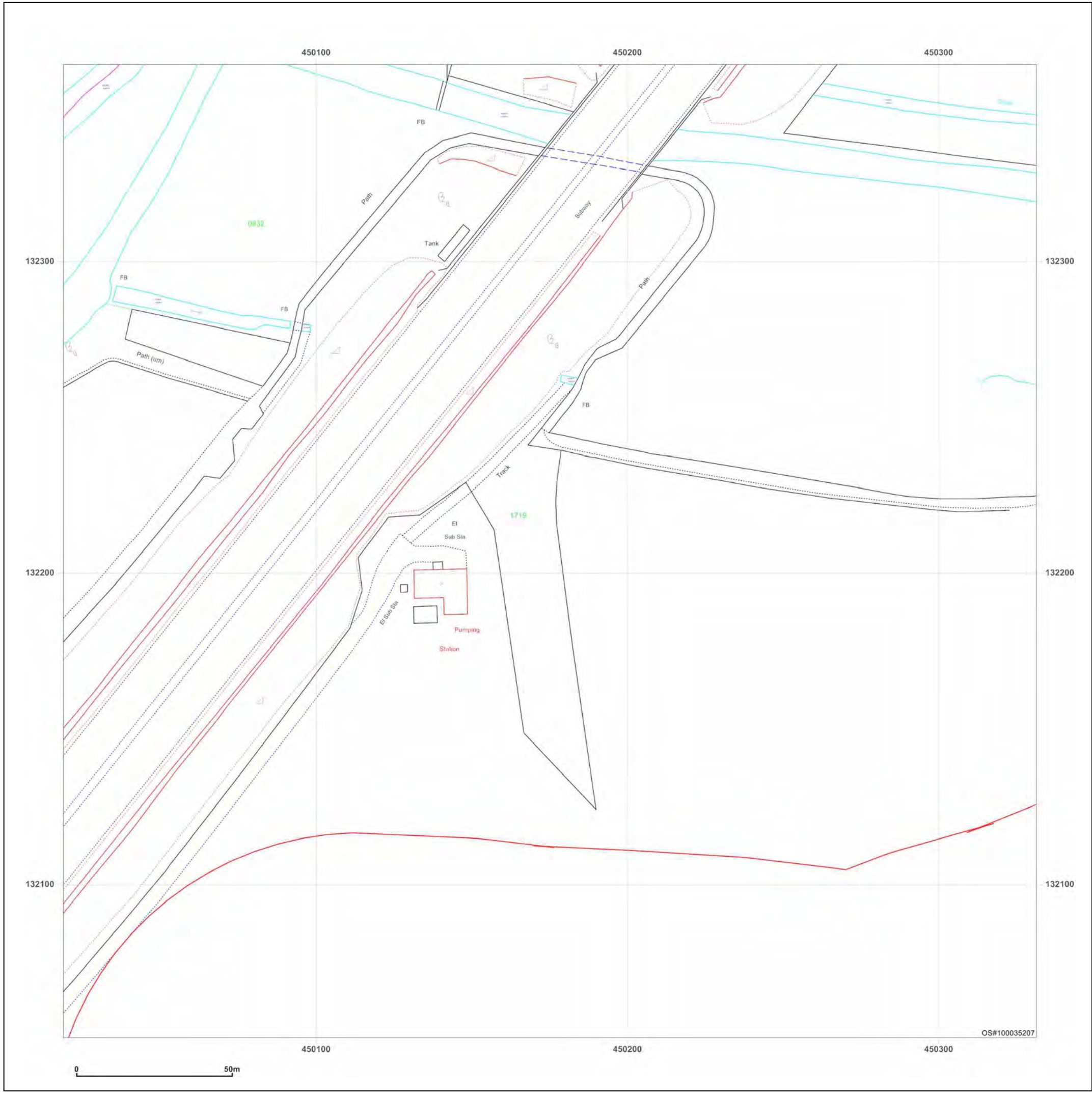


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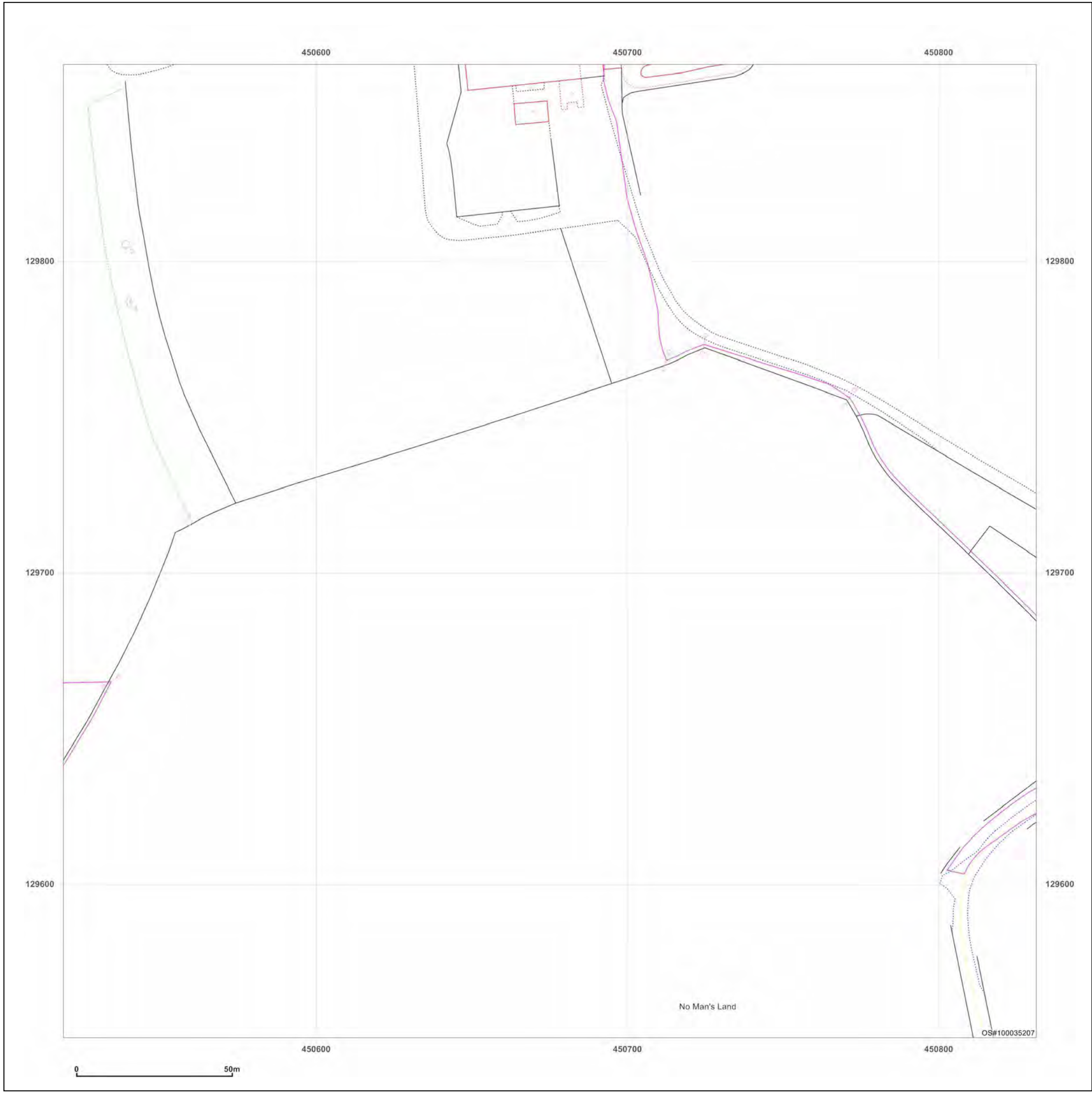
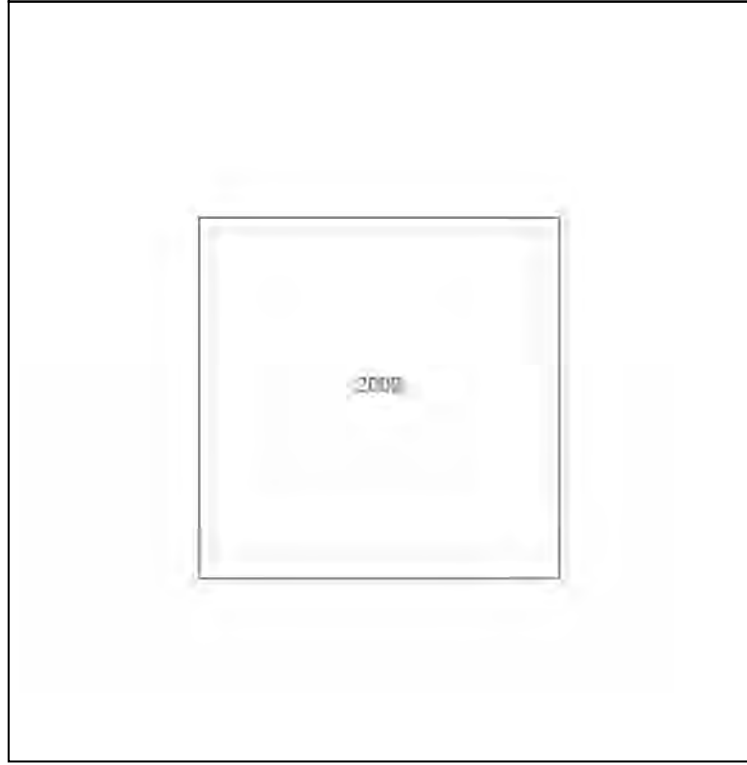
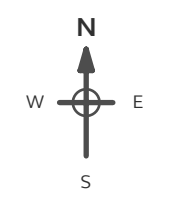


Site Details:

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131042.05233653993

Client Ref: 33689-_M3J9-Site_2
Report Ref: GS-7137933_1250scale_4_1
Grid Ref: 450675, 129707

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



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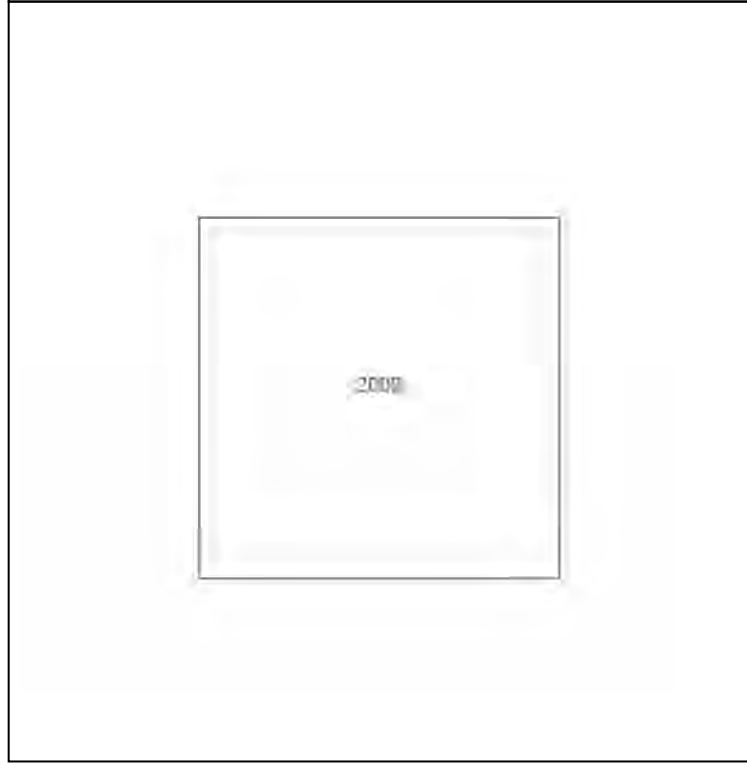
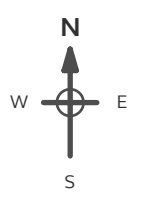
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Site Details:

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131042.05233653993

Client Ref: 33689-_M3J9-Site_2
Report Ref: GS-7137933_1250scale_4_2
Grid Ref: 450675, 130207

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

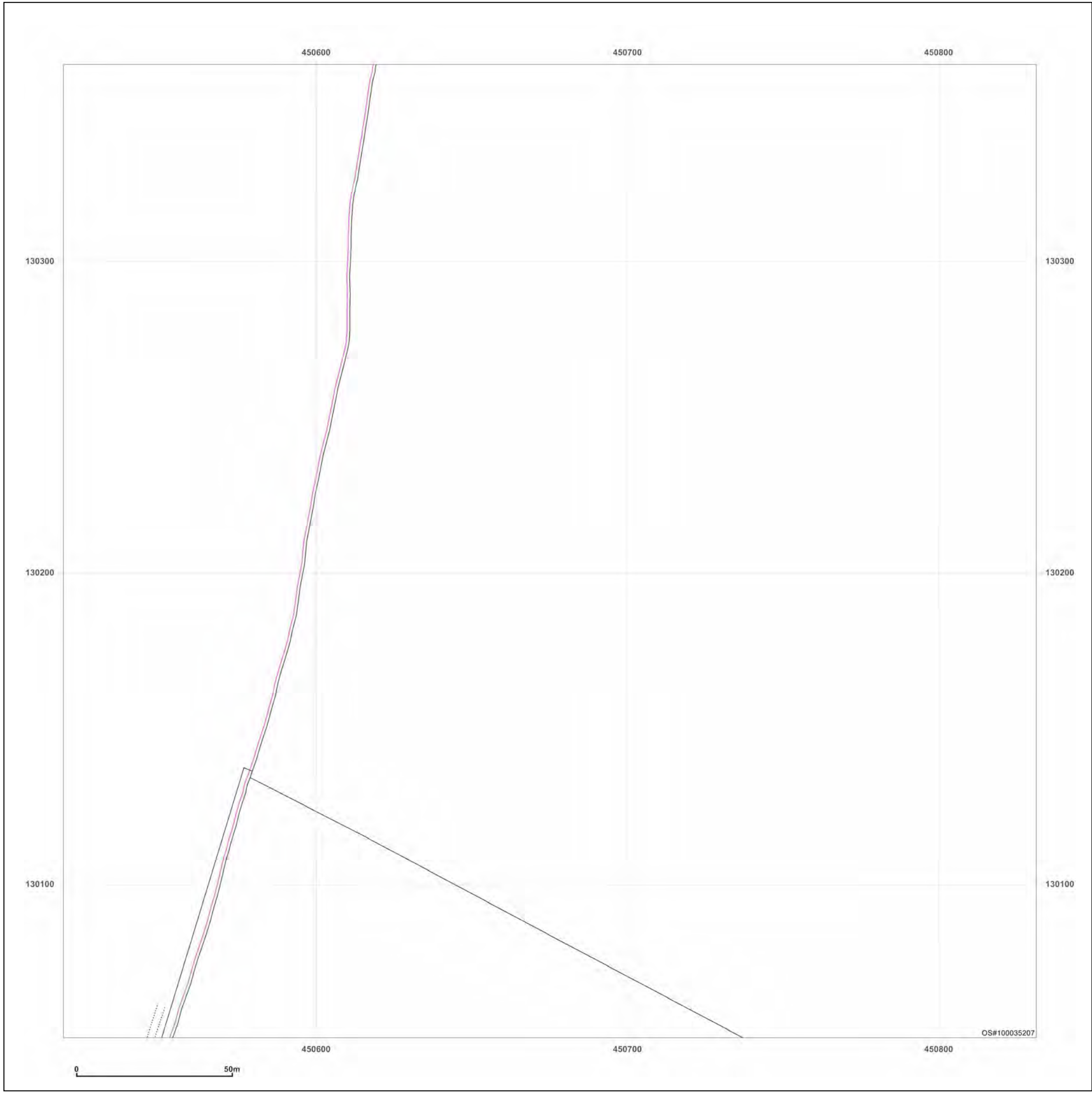


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Production date: 07 October 2020

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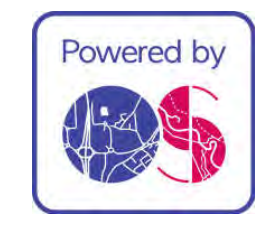
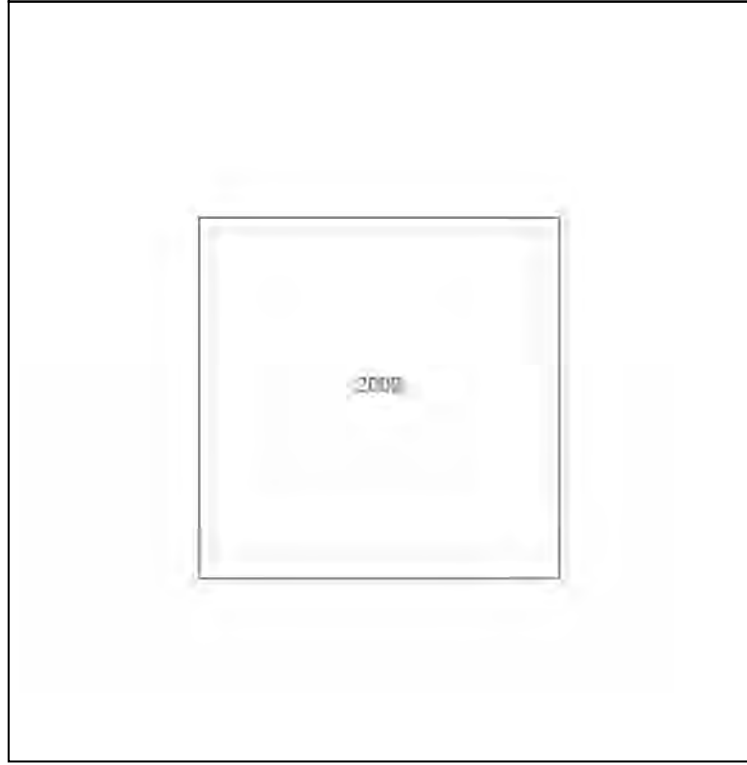
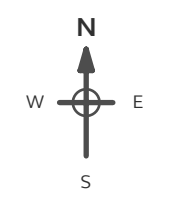


Site Details:

449969.3362893146,
131042.05233653993

Client Ref: 33689-_M3J9-Site_2
Report Ref: GS-7137933_1250scale_4_6
Grid Ref: 450675, 132207

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



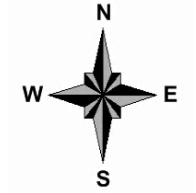
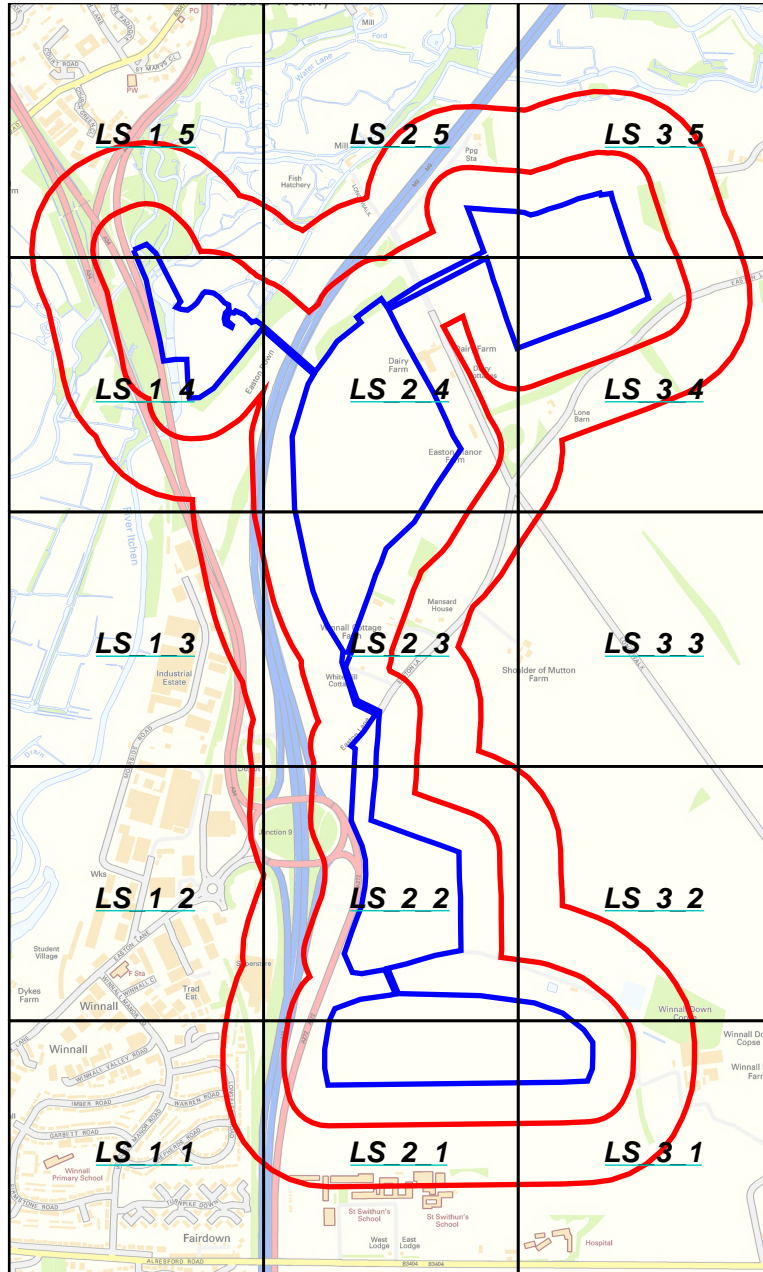
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Production date: 07 October 2020

Map legend available at:





1:2500 Scale Grid Index

Site Details:

449969.3362893146,
131042.05233653993

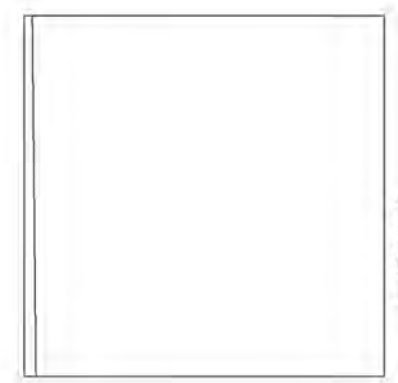
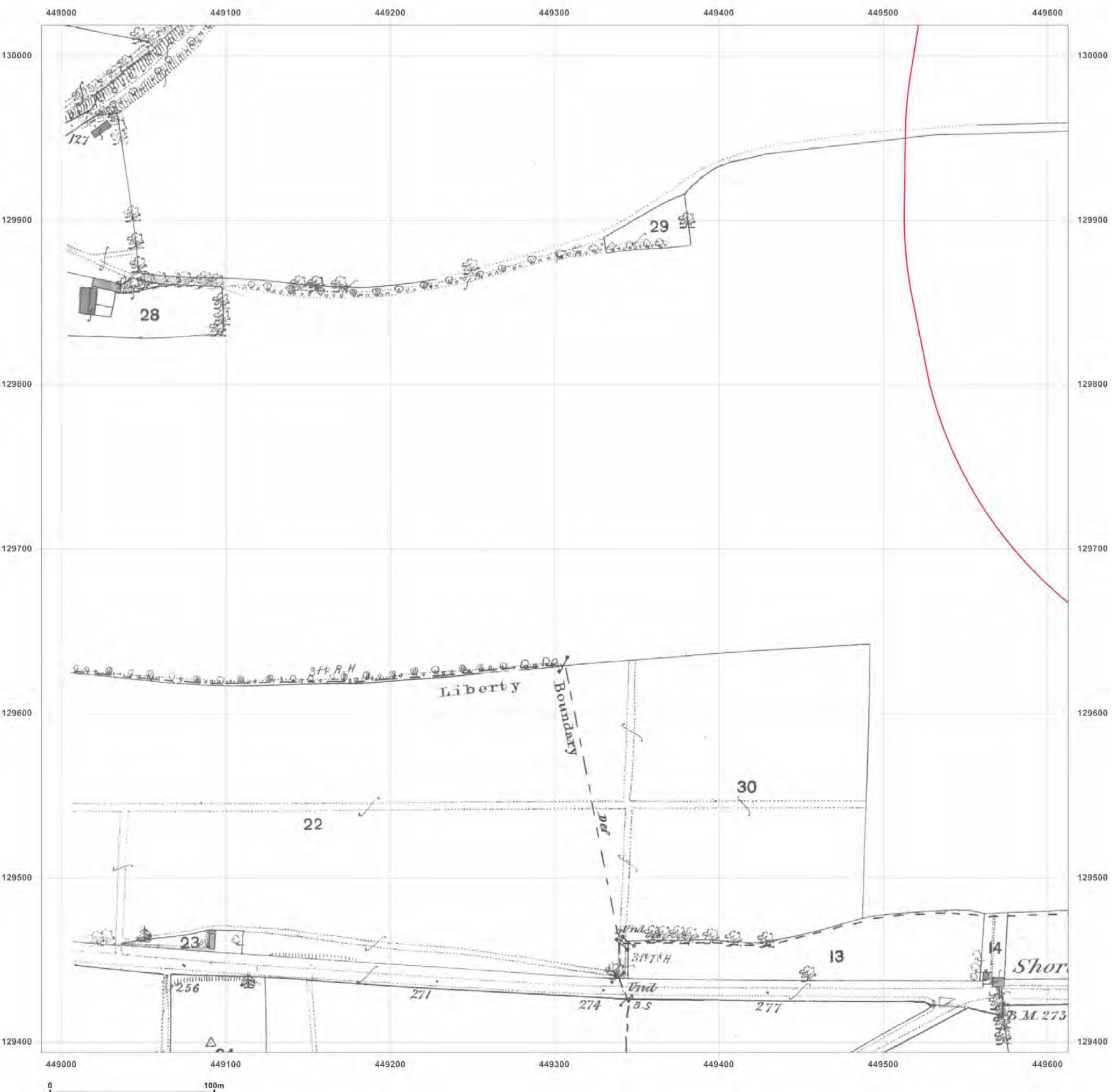
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Report Ref: GS-7137933_LS_1_1
Grid Ref: 449300, 129706

Map Name: County Series

Map date: 1870

Scale: 1:2,500

Printed at: 1:2,500



Surveyed 1870
Revised 1870
Edition N/A
Copyright N/A
Levelled N/A



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Production date: 07 October 2020

Map legend available at:



Site Details:

449969.3362893146,
131042.05233653993

Client Ref: 33689-_M3J9-Site_2
Report Ref: GS-7137933_LS_1_1
Grid Ref: 449300, 129706

Map Name: County Series

Map date: 1870-1871

Scale: 1:2,500

Printed at: 1:2,500



Surveyed 1871
Revised N/A
Edition N/A
Copyright N/A
Levelled N/A

Surveyed 1870
Revised 1870
Edition N/A
Copyright N/A
Levelled N/A

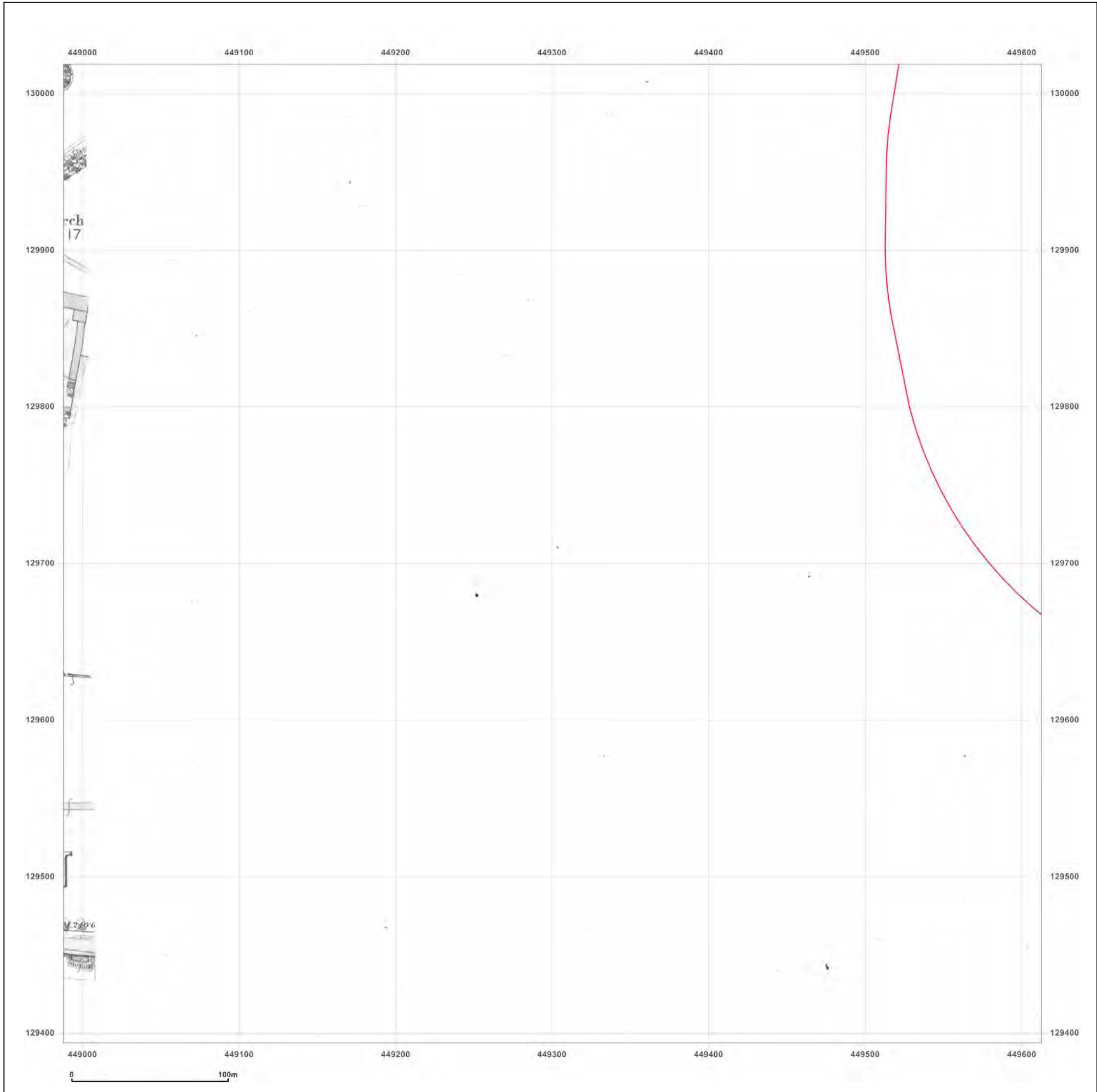


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Production date: 07 October 2020

Map legend available at:



Site Details:

449969.3362893146,
131042.05233653993

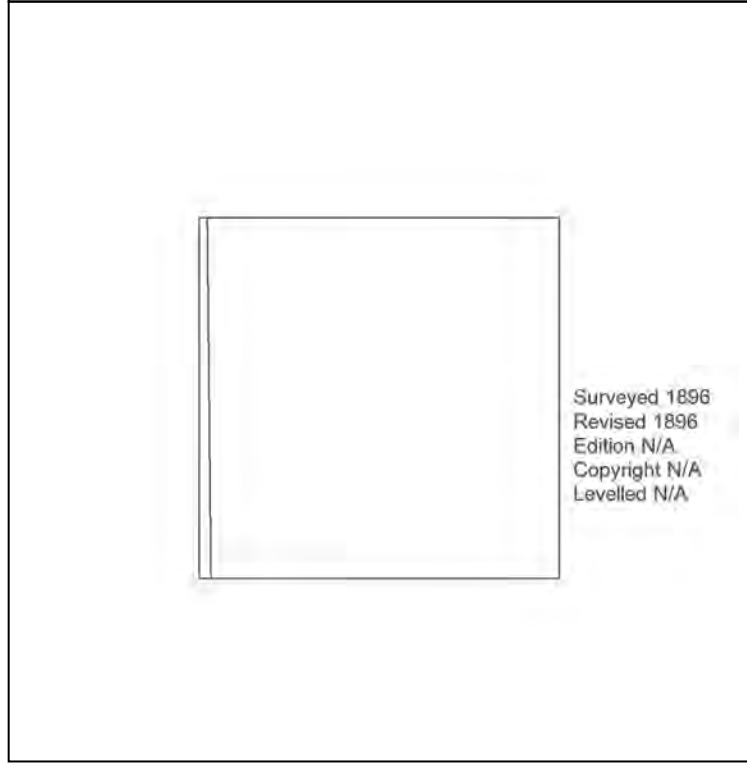
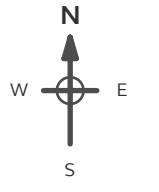
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Report Ref: GS-7137933_LS_1_1
Grid Ref: 449300, 129706

Map Name: County Series

Map date: 1896

Scale: 1:2,500

Printed at: 1:2,500



Surveyed 1896
Revised 1896
Edition N/A
Copyright N/A
Levelled N/A

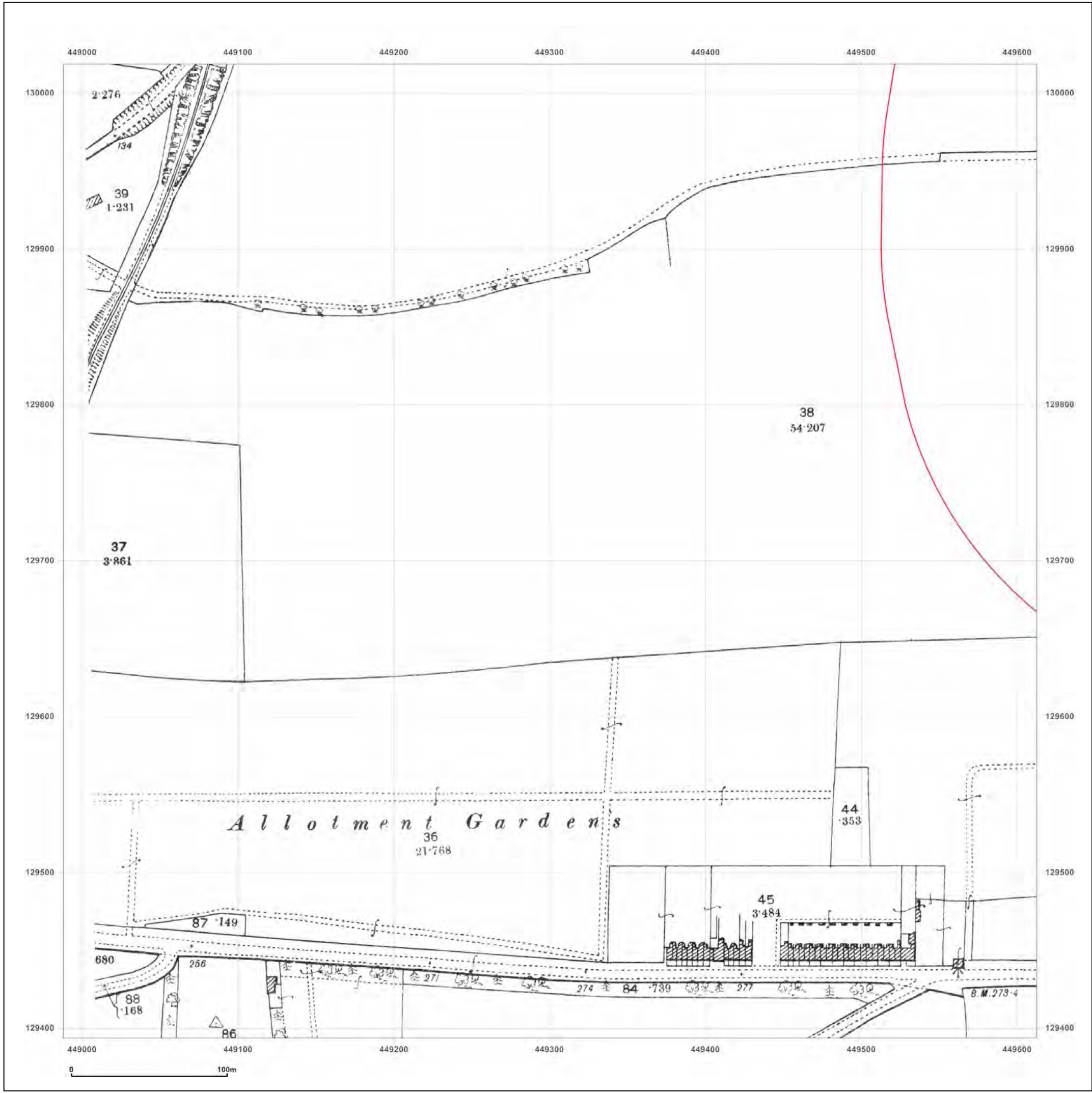


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Production date: 07 October 2020

Map legend available at:



Site Details:

449969.3362893146,
131042.05233653993

Client Ref: 33689-_M3J9-Site_2
Report Ref: GS-7137933_LS_1_1
Grid Ref: 449300, 129706

Map Name: County Series

Map date: 1909

Scale: 1:2,500

Printed at: 1:2,500



Surveyed 1870
Revised 1908
Edition 1909
Copyright N/A
Levelled N/A

Surveyed 1909
Revised 1909
Edition N/A
Copyright N/A
Levelled N/A

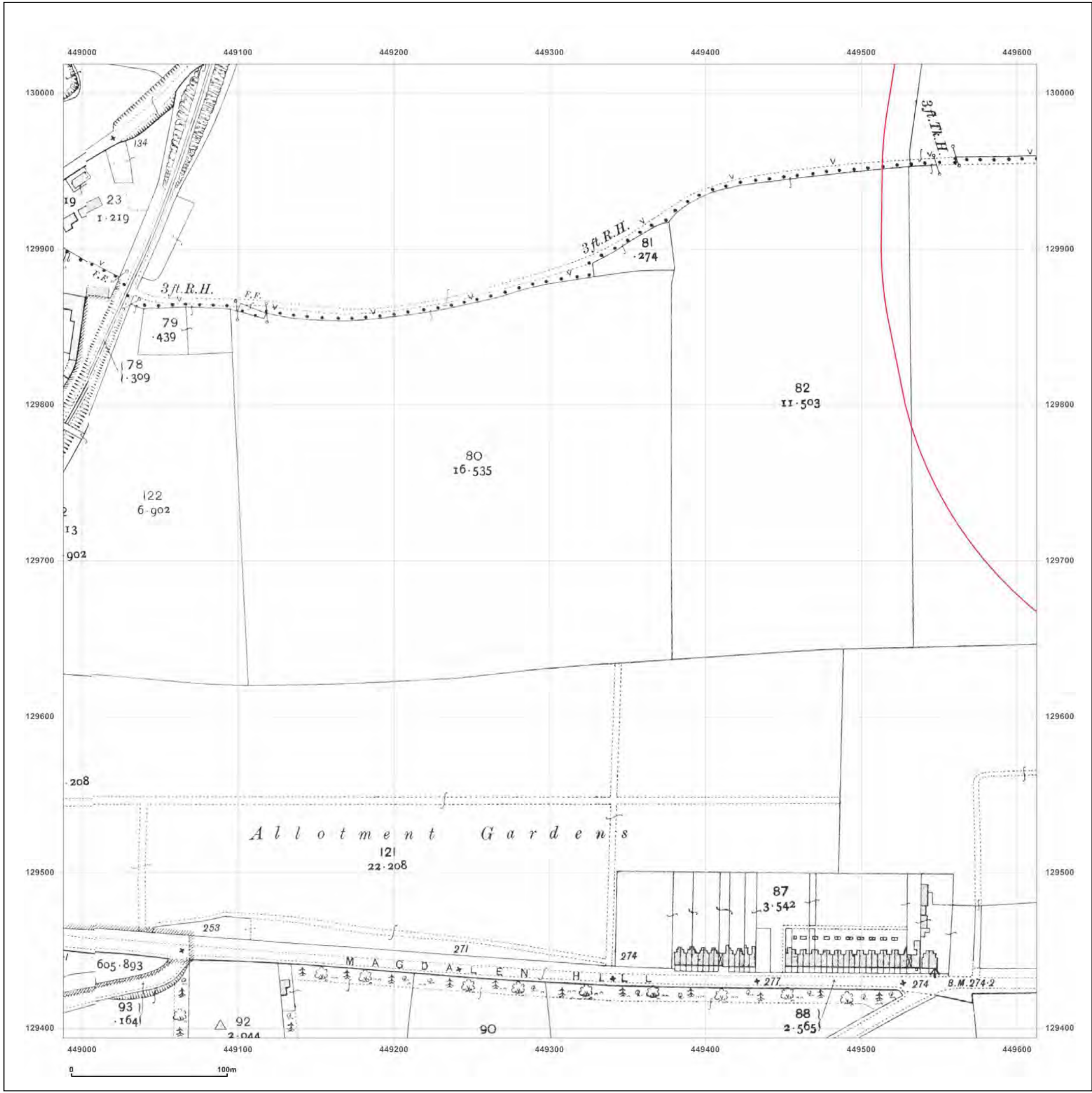


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Production date: 07 October 2020

Map legend available at:



Site Details:

449969.3362893146,
131042.05233653993

Client Ref: 33689-_M3J9-Site_2
Report Ref: GS-7137933_LS_1_1
Grid Ref: 449300, 129706

Map Name: County Series

Map date: 1932

Scale: 1:2,500

Printed at: 1:2,500



Surveyed 1870
Revised 1931
Edition 1932
Copyright N/A
Levelled 1908

Surveyed 1932
Revised 1932
Edition N/A
Copyright N/A
Levelled N/A



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Map legend available at:



Site Details:

449969.3362893146,
131042.05233653993

Client Ref: 33689-_M3J9-Site_2
Report Ref: GS-7137933_LS_1_1
Grid Ref: 449300, 129706

Map Name: County Series

Map date: 1939-1940

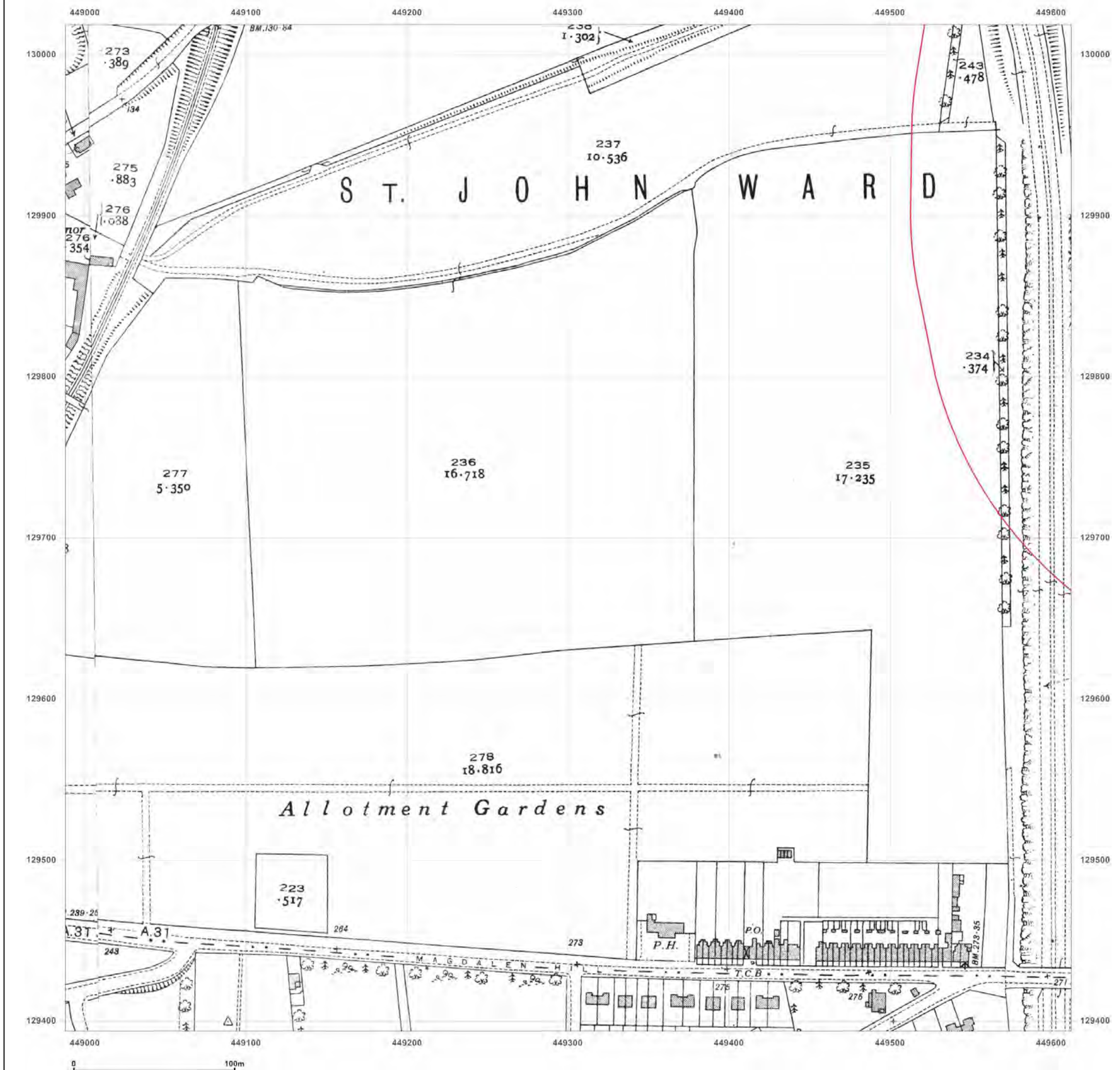
Scale: 1:2,500

Printed at: 1:2,500



Surveyed 1870
Revised 1940
Edition N/A
Copyright N/A
Levelled 1940

Surveyed 1939
Revised 1939
Edition N/A
Copyright N/A
Levelled N/A



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Map legend available at:

Site Details:

449969.3362893146,
131042.05233653993

Client Ref: 33689-_M3J9-Site_2
Report Ref: GS-7137933_LS_1_1
Grid Ref: 449300, 129706

Map Name: National Grid

Map date: 1952

Scale: 1:2,500

Printed at: 1:2,500



Surveyed 1952
Revised 1952
Edition N/A
Copyright N/A
Levelled 1940

Surveyed 1952
Revised 1952
Edition N/A
Copyright N/A
Levelled 1940

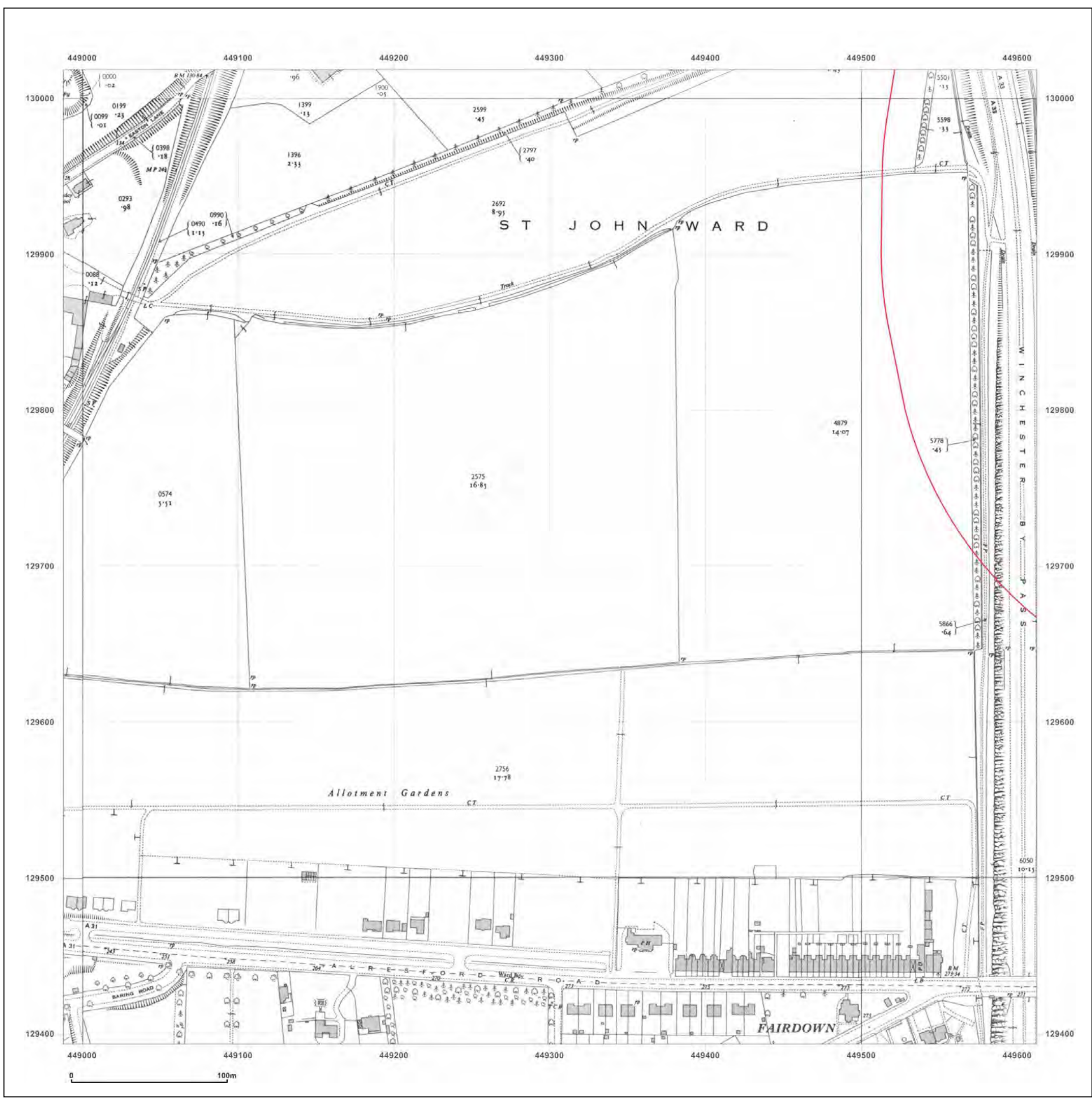


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Production date: 07 October 2020

Map legend available at:



Site Details:

449969.3362893146,
131042.05233653993

Client Ref: 33689-_M3J9-Site_2
Report Ref: GS-7137933_LS_1_1
Grid Ref: 449300, 129706

Map Name: National Grid

Map date: 1960

Scale: 1:2,500

Printed at: 1:2,500



Surveyed 1980
Revised 1960
Edition 1962
Copyright 1962
Levelled 1959



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Production date: 07 October 2020

Map legend available at:



Site Details:

449969.3362893146,
131042.05233653993

Client Ref: 33689-_M3J9-Site_2
Report Ref: GS-7137933_LS_1_1
Grid Ref: 449300, 129706

Map Name: National Grid

Map date: 1966-1967

Scale: 1:2,500

Printed at: 1:2,500



Surveyed 1966
Revised 1966
Edition N/A
Copyright 1968
Levelled 1959

Surveyed 1967
Revised 1967
Edition N/A
Copyright 1969
Levelled 1959



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Map legend available at:



Site Details:

449969.3362893146,
131042.05233653993

Client Ref: 33689-_M3J9-Site_2
Report Ref: GS-7137933_LS_1_2
Grid Ref: 449300, 130331

Map Name: County Series

Map date: 1870

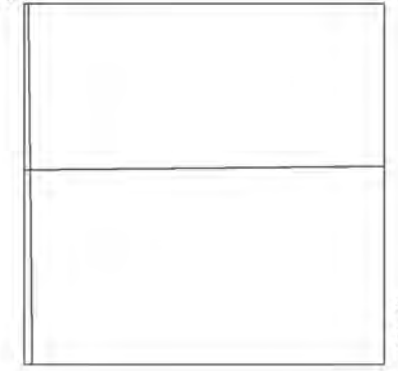
Scale: 1:2,500

Printed at: 1:2,500



Surveyed 1870
Revised 1870
Edition N/A
Copyright N/A
Levelled N/A

Surveyed 1870
Revised 1870
Edition N/A
Copyright N/A
Levelled N/A



Surveyed 1870
Revised 1870
Edition N/A
Copyright N/A
Levelled N/A

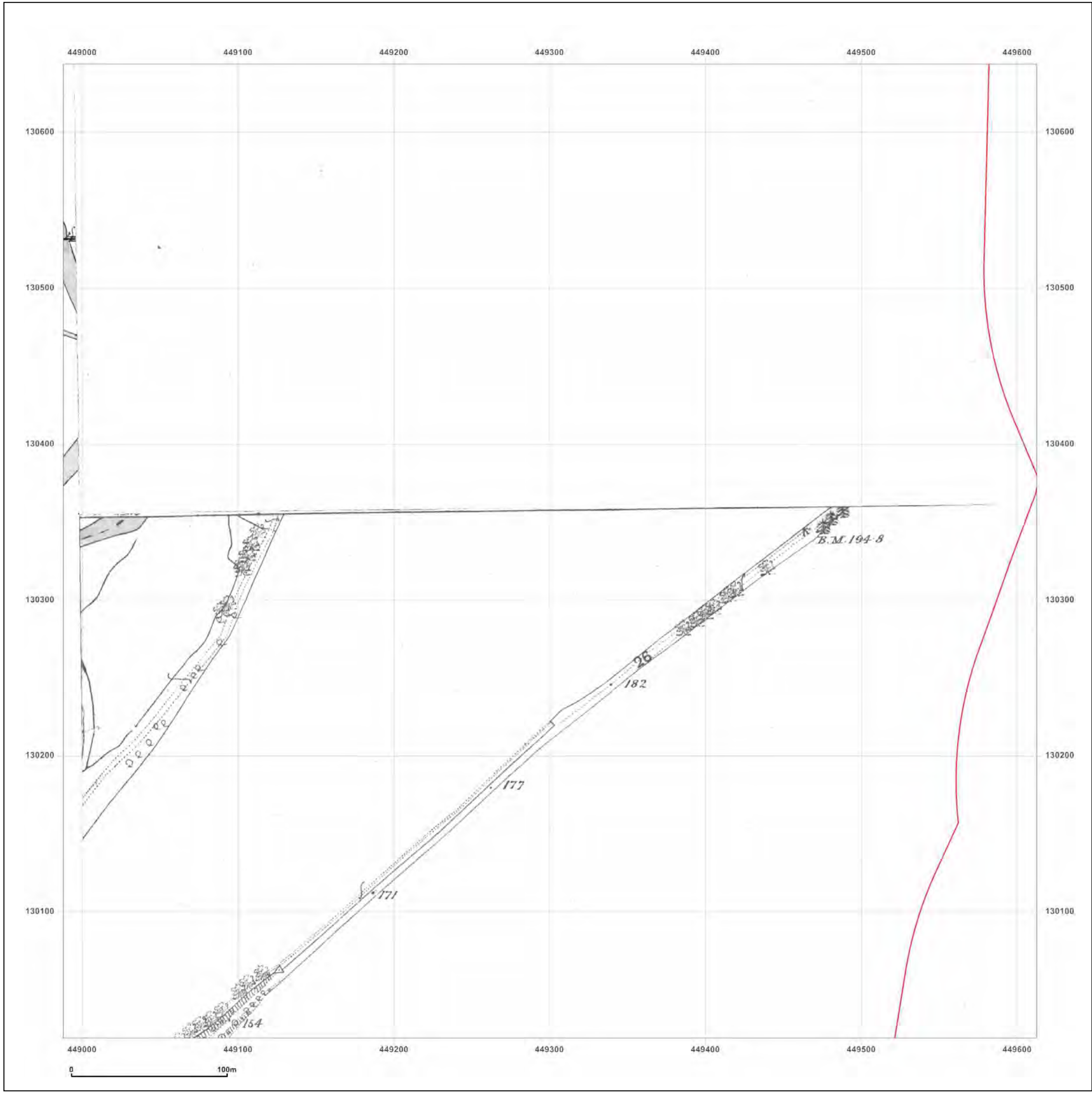


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Map legend available at:



Site Details:

449969.3362893146,
131042.05233653993

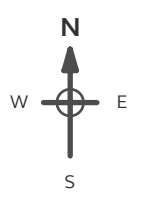
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Report Ref: GS-7137933_LS_1_2
Grid Ref: 449300, 130331

Map Name: County Series

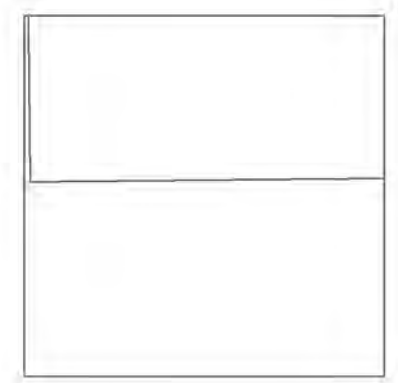
Map date: 1870

Scale: 1:2,500

Printed at: 1:2,500



Surveyed 1870
Revised 1870
Edition N/A
Copyright N/A
Levelled N/A

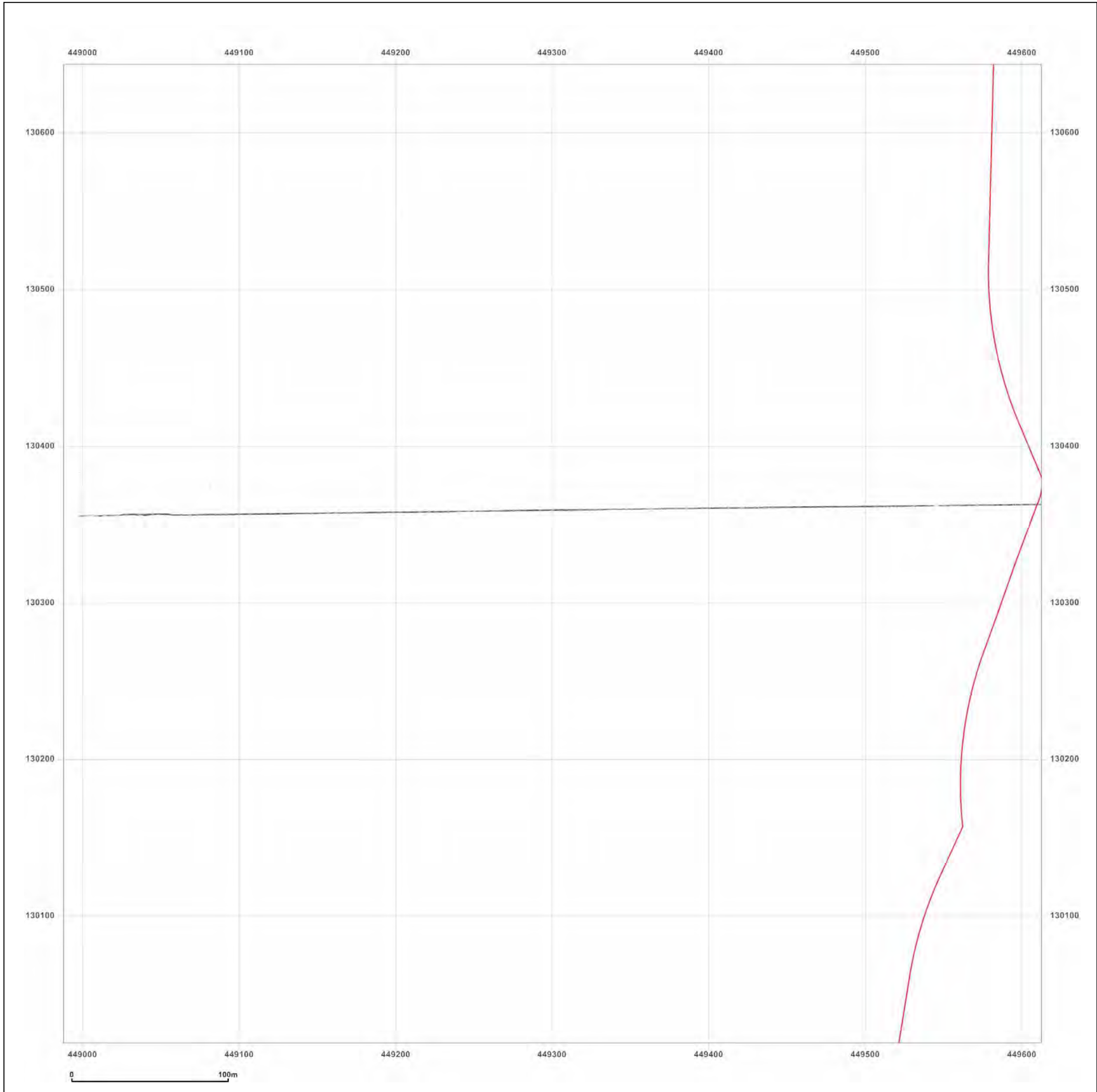


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Production date: 07 October 2020

Map legend available at:



Site Details:

449969.3362893146,
131042.05233653993

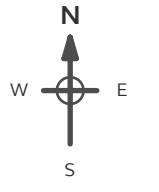
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Report Ref: GS-7137933_LS_1_2
Grid Ref: 449300, 130331

Map Name: County Series

Map date: 1869-1871

Scale: 1:2,500

Printed at: 1:2,500



Surveyed 1870
Revised 1870
Edition N/A
Copyright N/A
Levelled N/A

Surveyed 1869
Revised 1889
Edition N/A
Copyright N/A
Levelled N/A

Surveyed 1871
Revised N/A
Edition N/A
Copyright N/A
Levelled N/A

Surveyed 1870
Revised 1870
Edition N/A
Copyright N/A
Levelled N/A

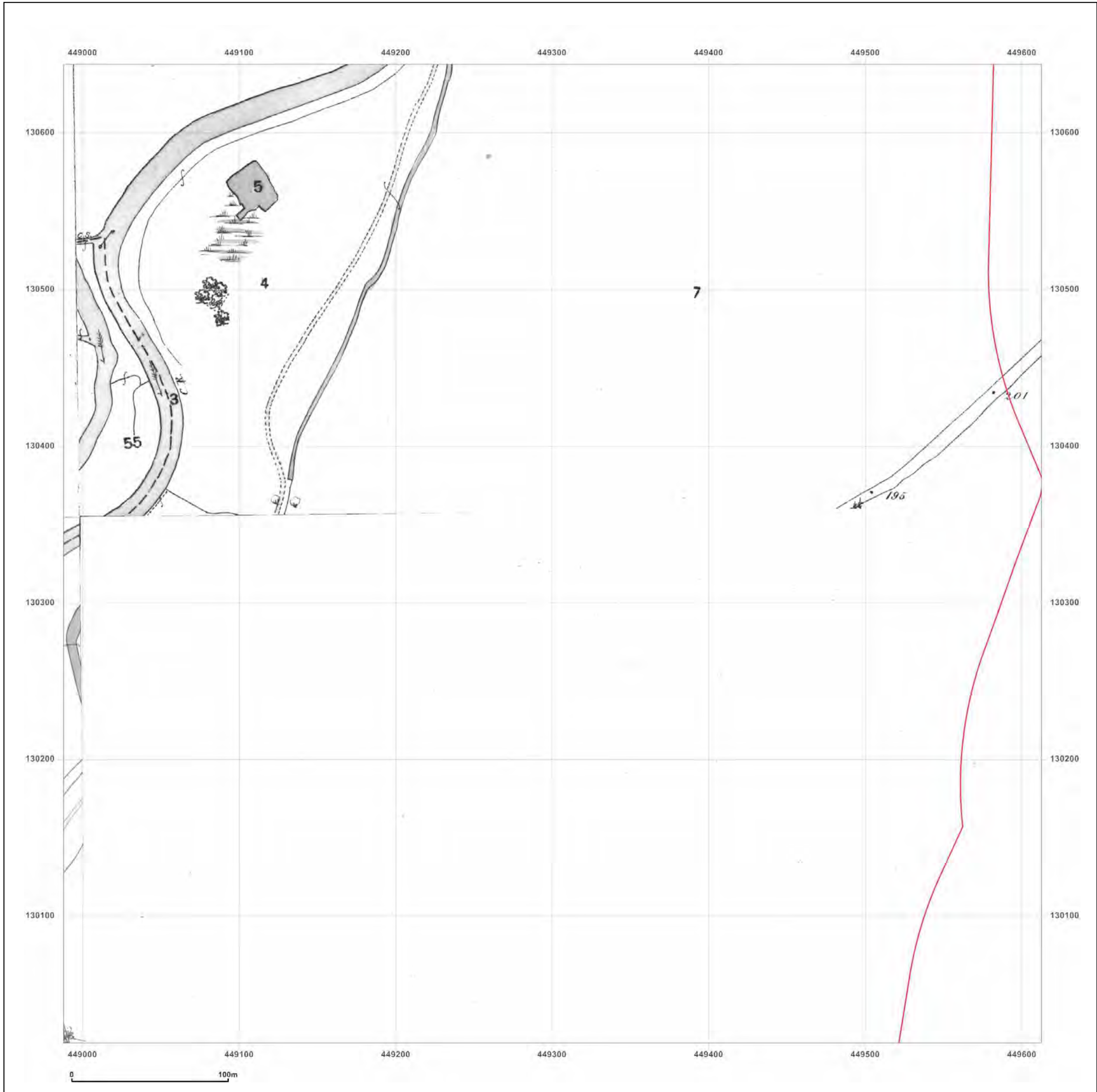


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Production date: 07 October 2020

Map legend available at:



Site Details:

449969.3362893146,
131042.05233653993

Client Ref: 33689-_M3J9-Site_2
Report Ref: GS-7137933_LS_1_2
Grid Ref: 449300, 130331

Map Name: County Series

Map date: 1896

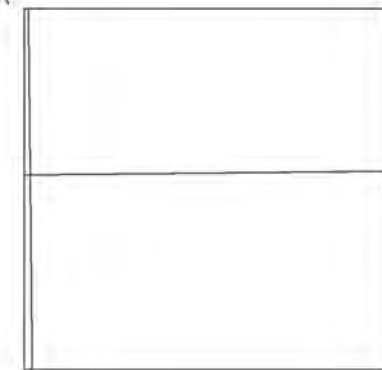
Scale: 1:2,500

Printed at: 1:2,500



Surveyed 1896
Revised 1896
Edition N/A
Copyright N/A
Levelled N/A

Surveyed 1896
Revised 1896
Edition N/A
Copyright N/A
Levelled N/A



Surveyed 1896
Revised 1896
Edition N/A
Copyright N/A
Levelled N/A

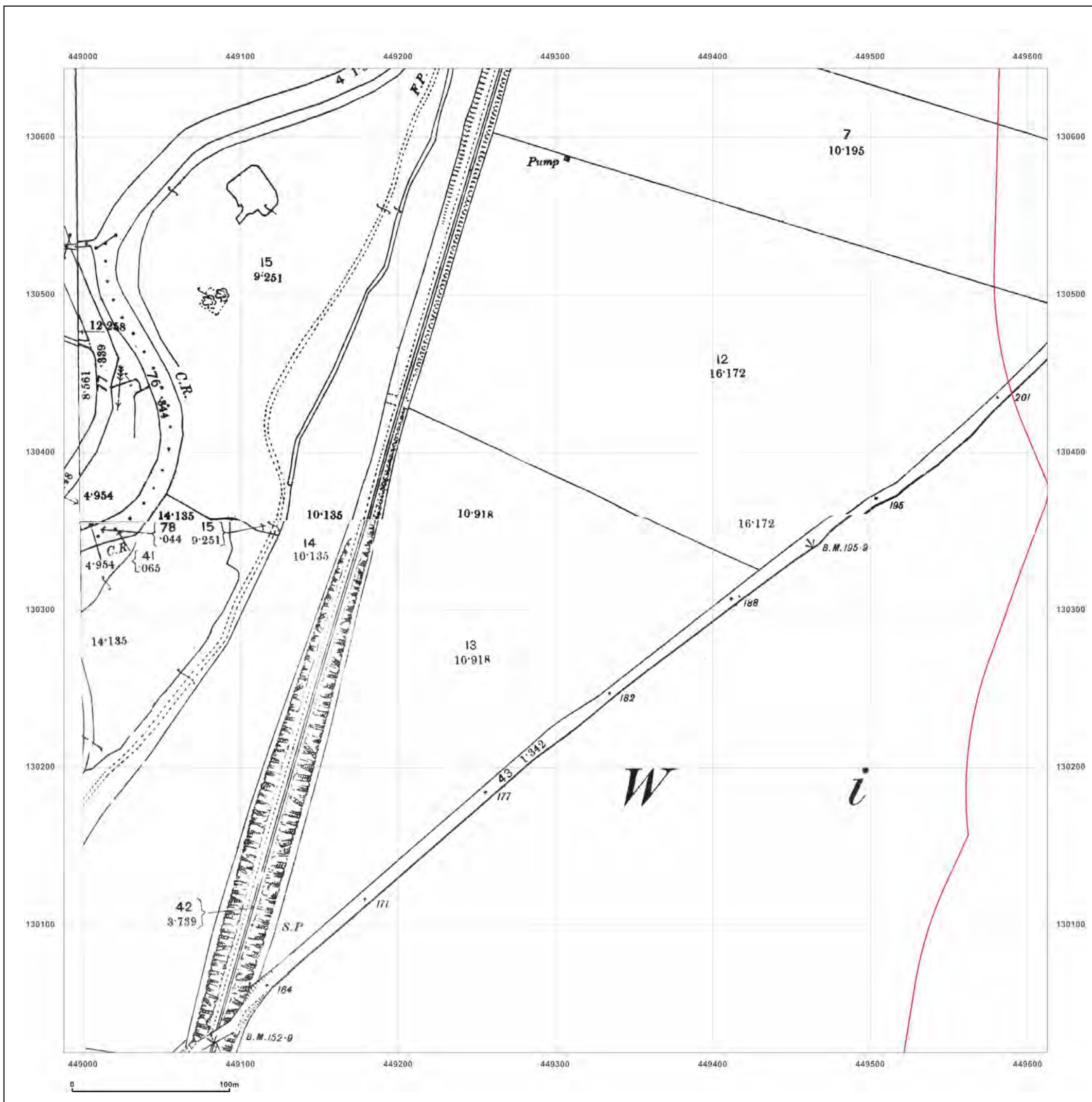


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Site Details:
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 131042.05233653993

Client Ref: 33689-_M3J9-Site_2
Report Ref: GS-7137933_LS_1_2
Grid Ref: 449300, 130331

Map Name: County Series
Map date: 1909
Scale: 1:2,500
Printed at: 1:2,500



<p>Surveyed 1909 Revised 1909 Edition N/A Copyright N/A Levelled N/A</p>	<p>Surveyed 1909 Revised 1909 Edition N/A Copyright N/A Levelled N/A</p>
<p>Surveyed 1870 Revised 1908 Edition 1909 Copyright N/A Levelled N/A</p>	<p>Surveyed 1909 Revised 1909 Edition N/A Copyright N/A Levelled N/A</p>

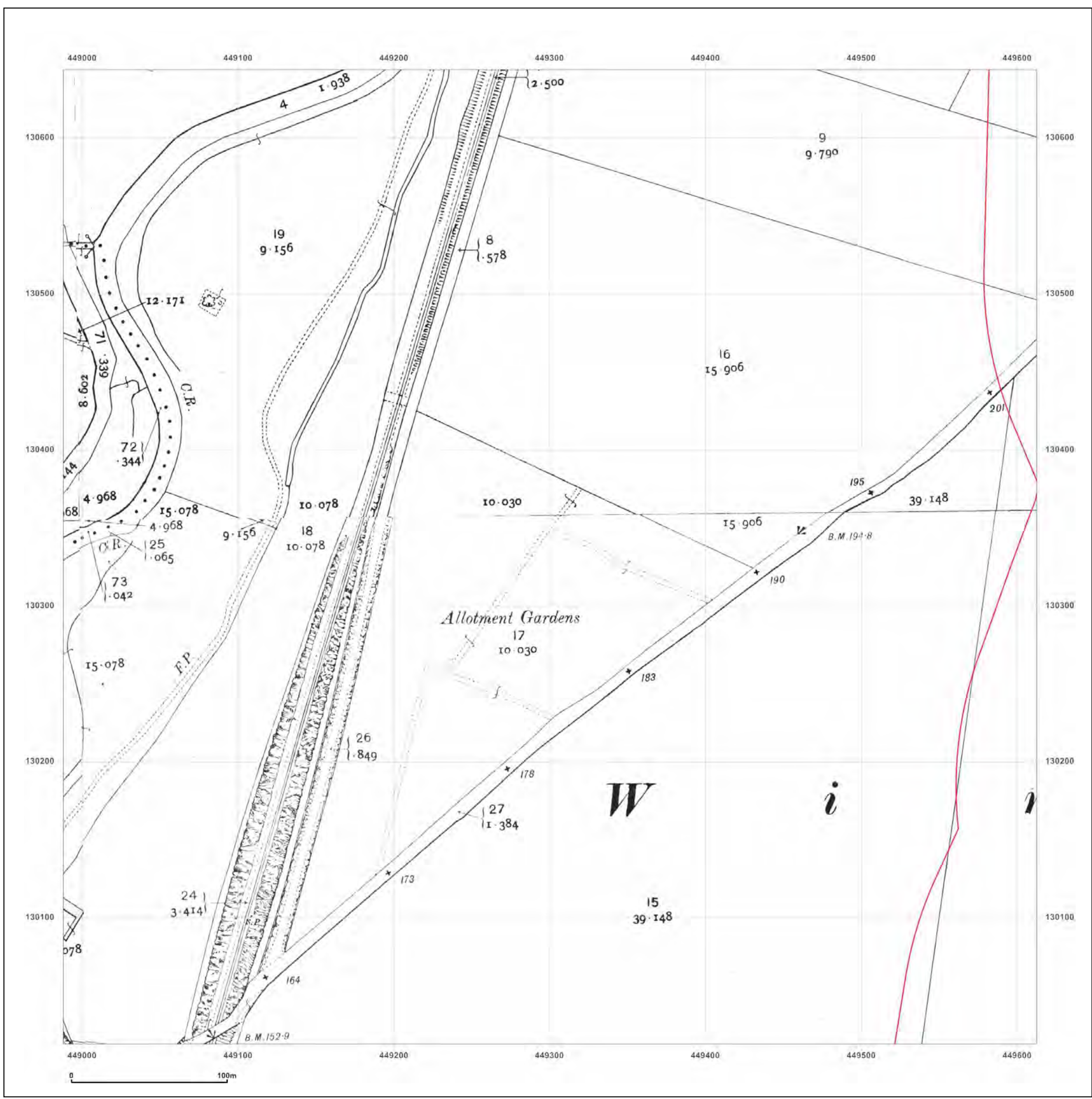


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Site Details:

449969.3362893146,
131042.05233653993

Client Ref: 33689-_M3J9-Site_2
Report Ref: GS-7137933_LS_1_2
Grid Ref: 449300, 130331

Map Name: County Series

Map date: 1932

Scale: 1:2,500

Printed at: 1:2,500



Surveyed 1932
Revised 1932
Edition N/A
Copyright N/A
Levelled N/A

Surveyed 1932
Revised 1932
Edition N/A
Copyright N/A
Levelled N/A

Surveyed 1870
Revised 1931
Edition 1932
Copyright N/A
Levelled 1908

Surveyed 1932
Revised 1932
Edition N/A
Copyright N/A
Levelled N/A

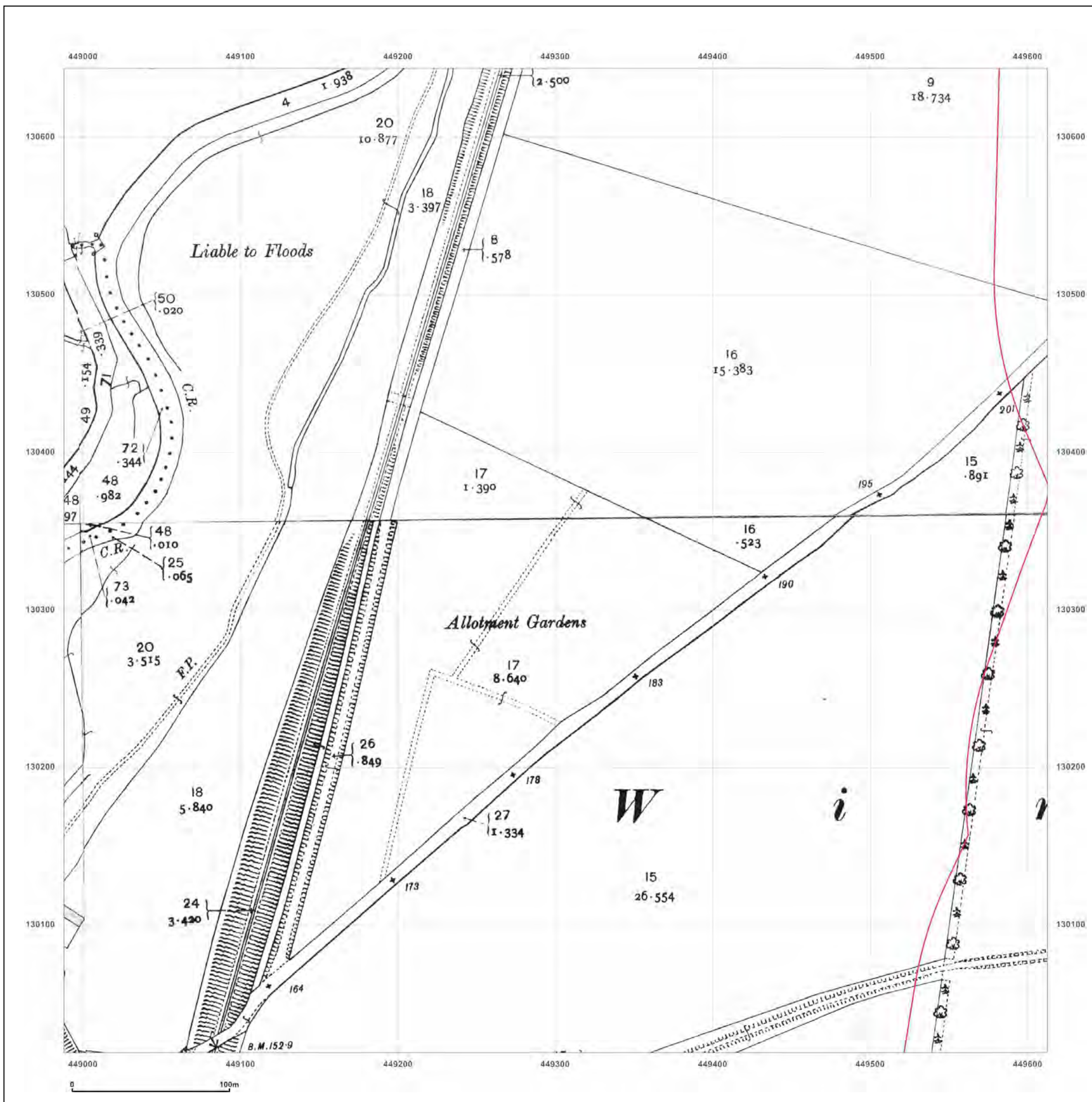


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Site Details:

449969.3362893146,
131042.05233653993

Client Ref: 33689-_M3J9-Site_2
Report Ref: GS-7137933_LS_1_2
Grid Ref: 449300, 130331

Map Name: County Series

Map date: 1939-1940

Scale: 1:2,500

Printed at: 1:2,500



Surveyed 1939
Revised 1939
Edition N/A
Copyright N/A
Levelled N/A

Surveyed 1939
Revised 1939
Edition N/A
Copyright N/A
Levelled N/A

Surveyed 1870
Revised 1940
Edition N/A
Copyright N/A
Levelled 1940

Surveyed 1939
Revised 1939
Edition N/A
Copyright N/A
Levelled N/A

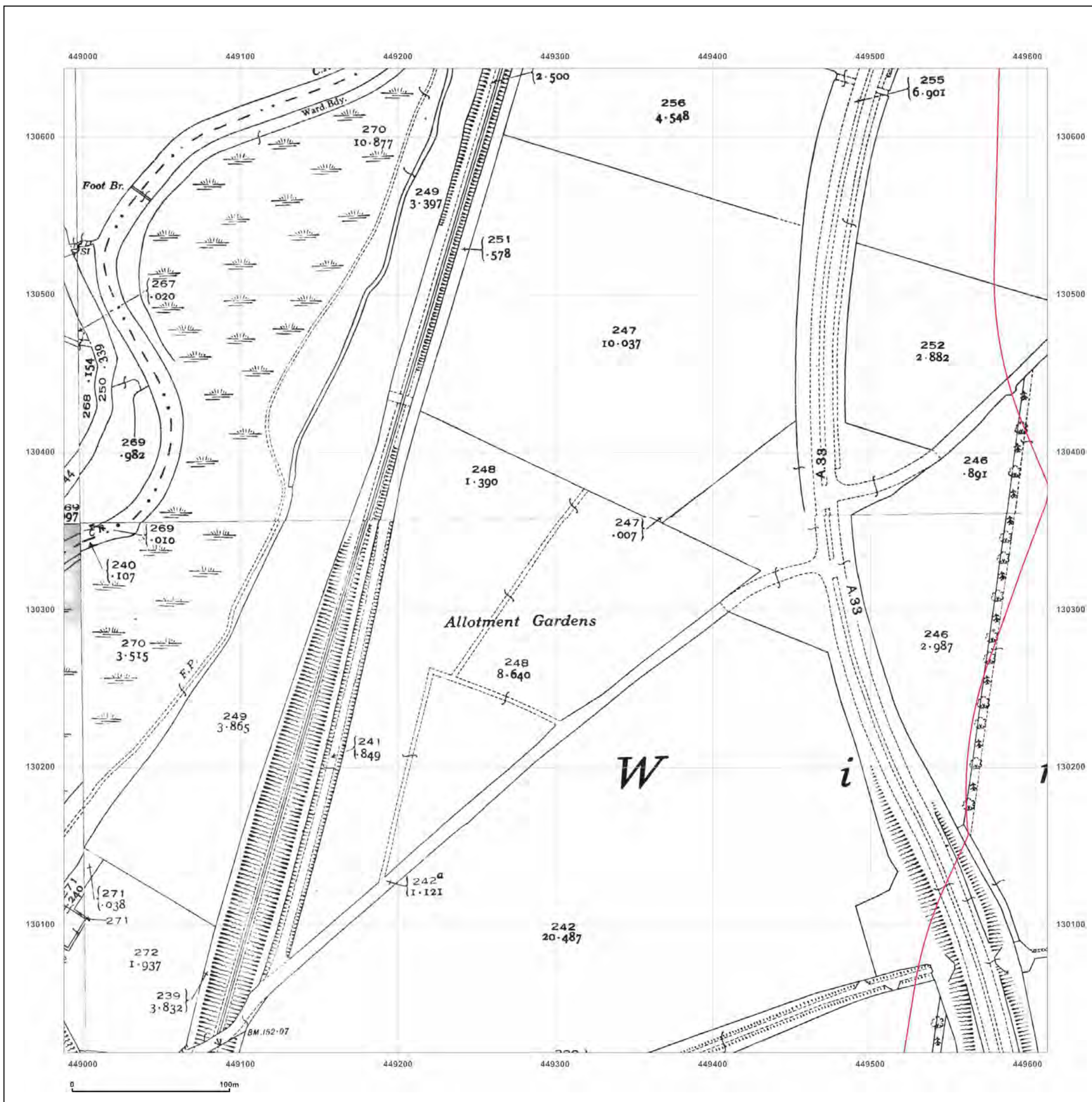


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Map legend available at:



Site Details:

449969.3362893146,
131042.05233653993

Client Ref: 33689-_M3J9-Site_2
Report Ref: GS-7137933_LS_1_2
Grid Ref: 449300, 130331

Map Name: National Grid

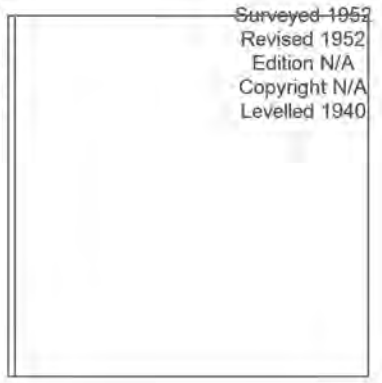
Map date: 1952

Scale: 1:2,500

Printed at: 1:2,500



Surveyed 1952
Revised 1952
Edition N/A
Copyright N/A
Levelled 1940



Surveyed 1952
Revised 1952
Edition N/A
Copyright N/A
Levelled 1940

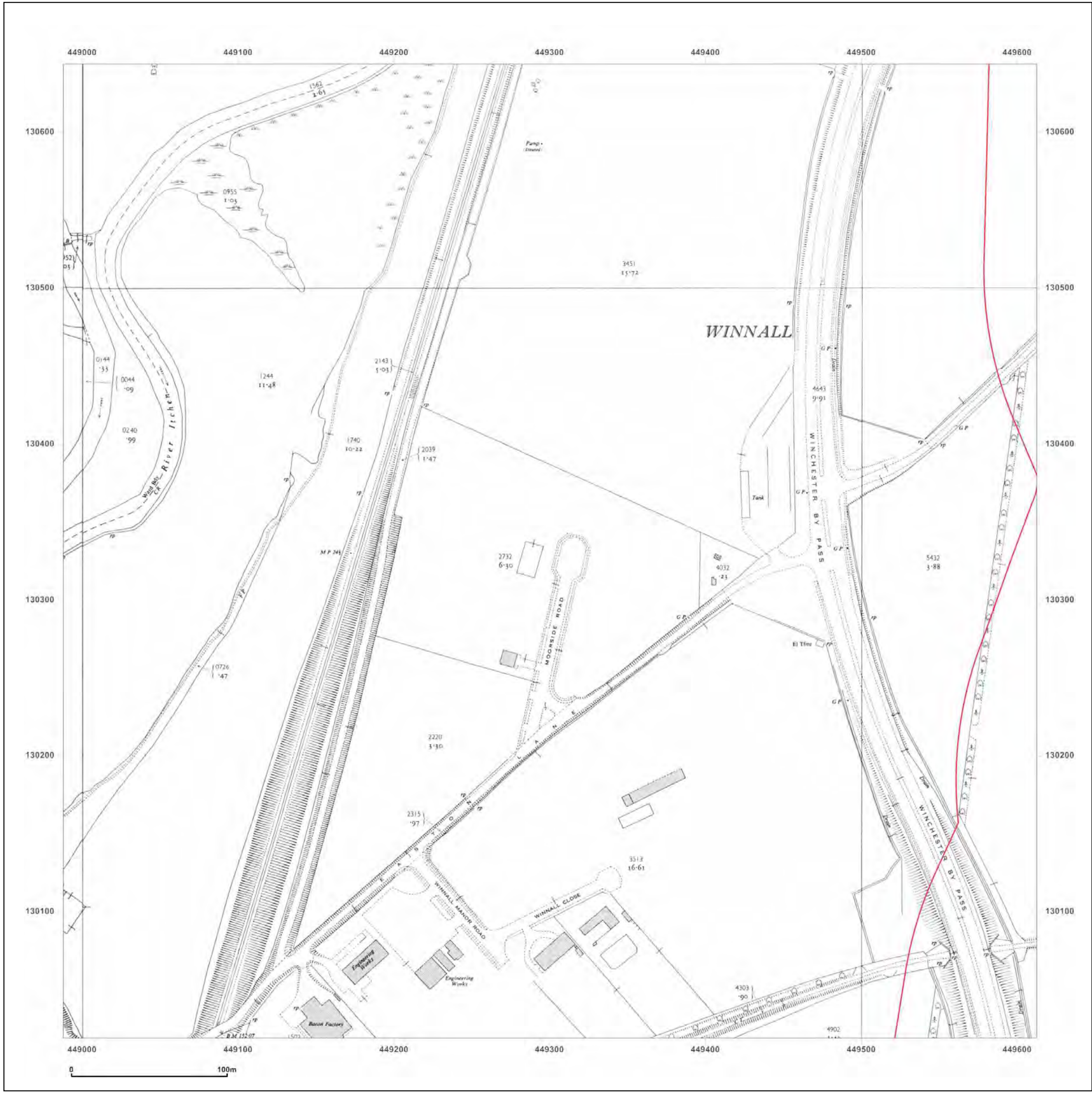


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Production date: 07 October 2020

Map legend available at:



Site Details:

449969.3362893146,
131042.05233653993

Client Ref: 33689-_M3J9-Site_2
Report Ref: GS-7137933_LS_1_2
Grid Ref: 449300, 130331

Map Name: National Grid

Map date: 1952

Scale: 1:2,500

Printed at: 1:2,500



Surveyed 1952
Revised 1952
Edition N/A
Copyright N/A
Levelled N/A

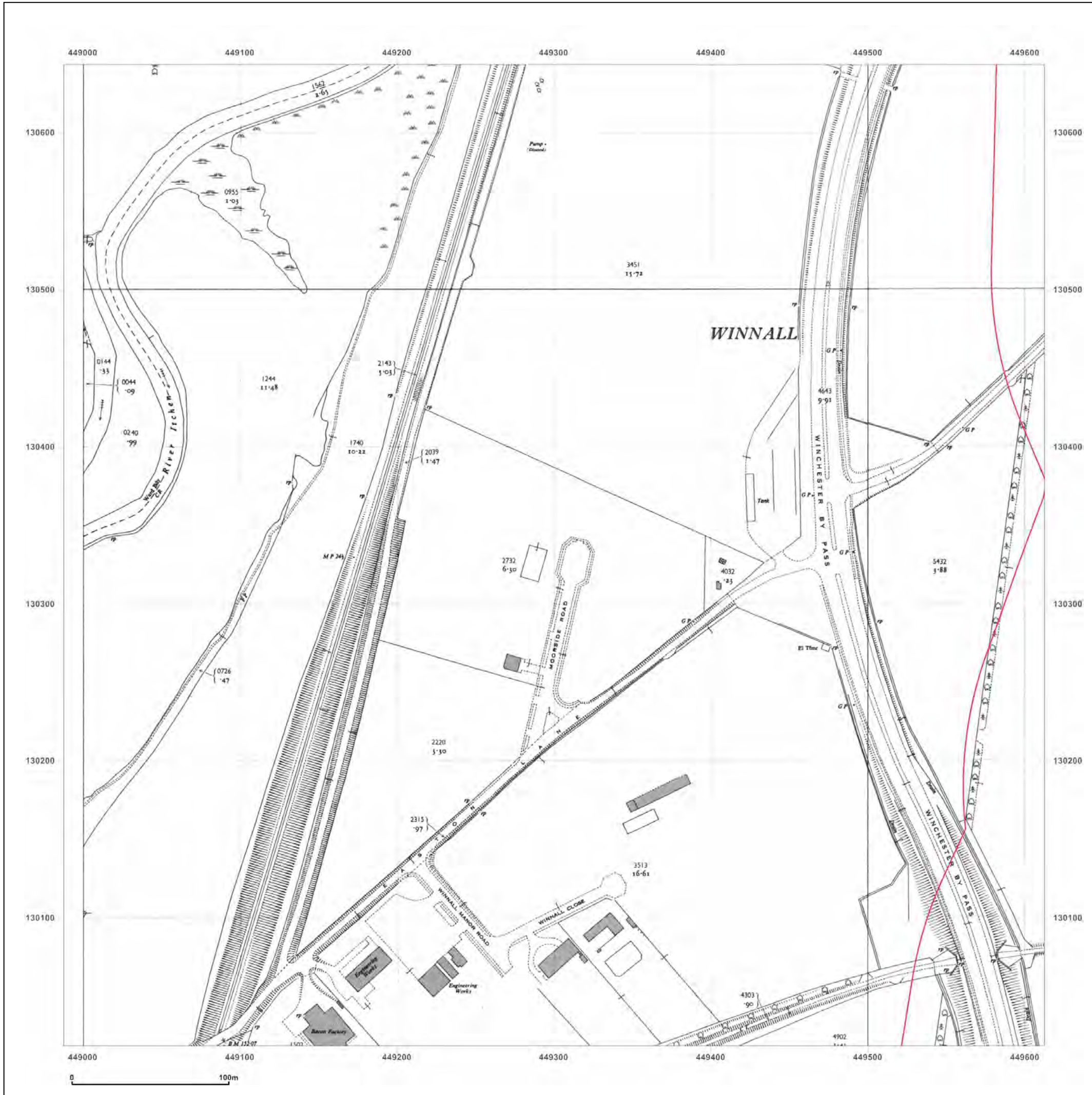


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Map legend available at:



Site Details:

449969.3362893146,
131042.05233653993

Client Ref: 33689-_M3J9-Site_2
Report Ref: GS-7137933_LS_1_2
Grid Ref: 449300, 130331

Map Name: National Grid

Map date: 1966

Scale: 1:2,500

Printed at: 1:2,500



Surveyed 1966
Revised 1966
Edition N/A
Copyright 1968
Levelled 1959

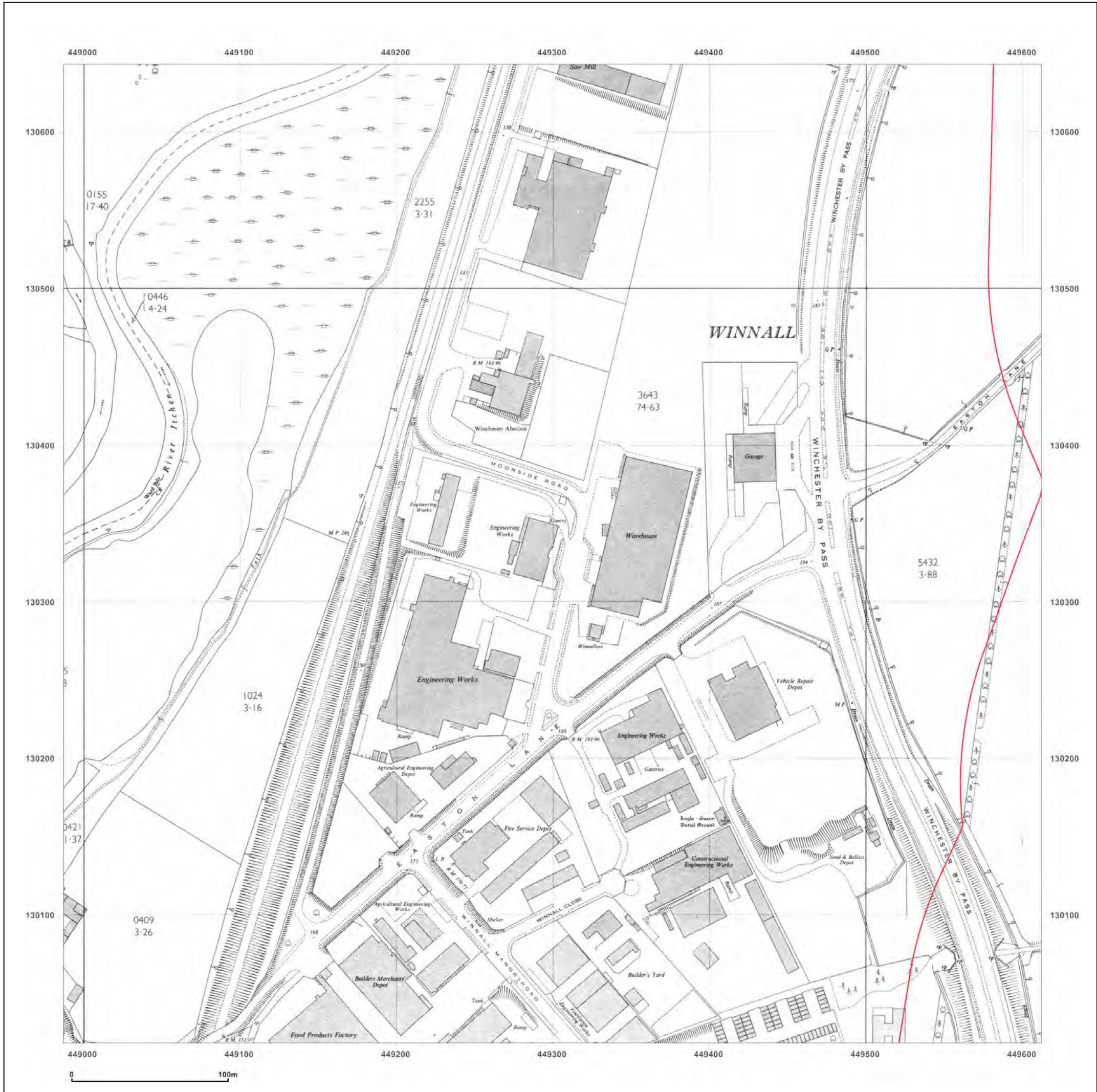


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Site Details:

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131042.05233653993

Client Ref: 33689-_M3J9-Site_2
Report Ref: GS-7137933_LS_1_3
Grid Ref: 449300, 130957

Map Name: County Series

Map date: 1869-1870

Scale: 1:2,500

Printed at: 1:2,500



Surveyed 1870
Revised 1870
Edition N/A
Copyright N/A
Levelled N/A

Surveyed 1869
Revised 1869
Edition N/A
Copyright N/A
Levelled N/A

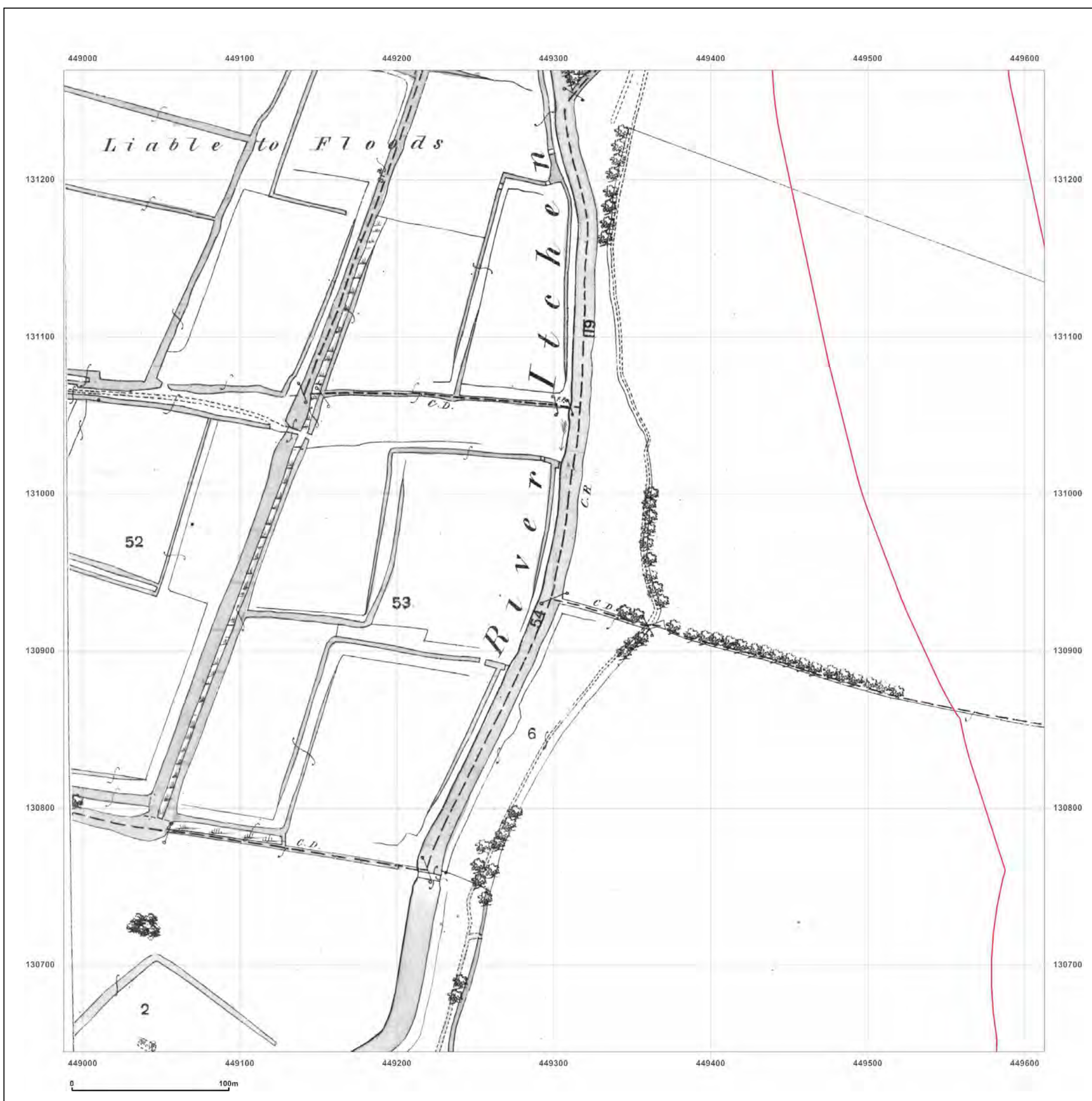


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Production date: 07 October 2020

Map legend available at:



Site Details:

449969.3362893146,
131042.05233653993

Client Ref: 33689-_M3J9-Site_2
Report Ref: GS-7137933_LS_1_3
Grid Ref: 449300, 130957

Map Name: County Series

Map date: 1870

Scale: 1:2,500

Printed at: 1:2,500



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River Itchen

Surveyed 1870
Revised 1870
Edition N/A
Copyright N/A
Levelled N/A

Surveyed 1870
Revised 1870
Edition N/A
Copyright N/A
Levelled N/A

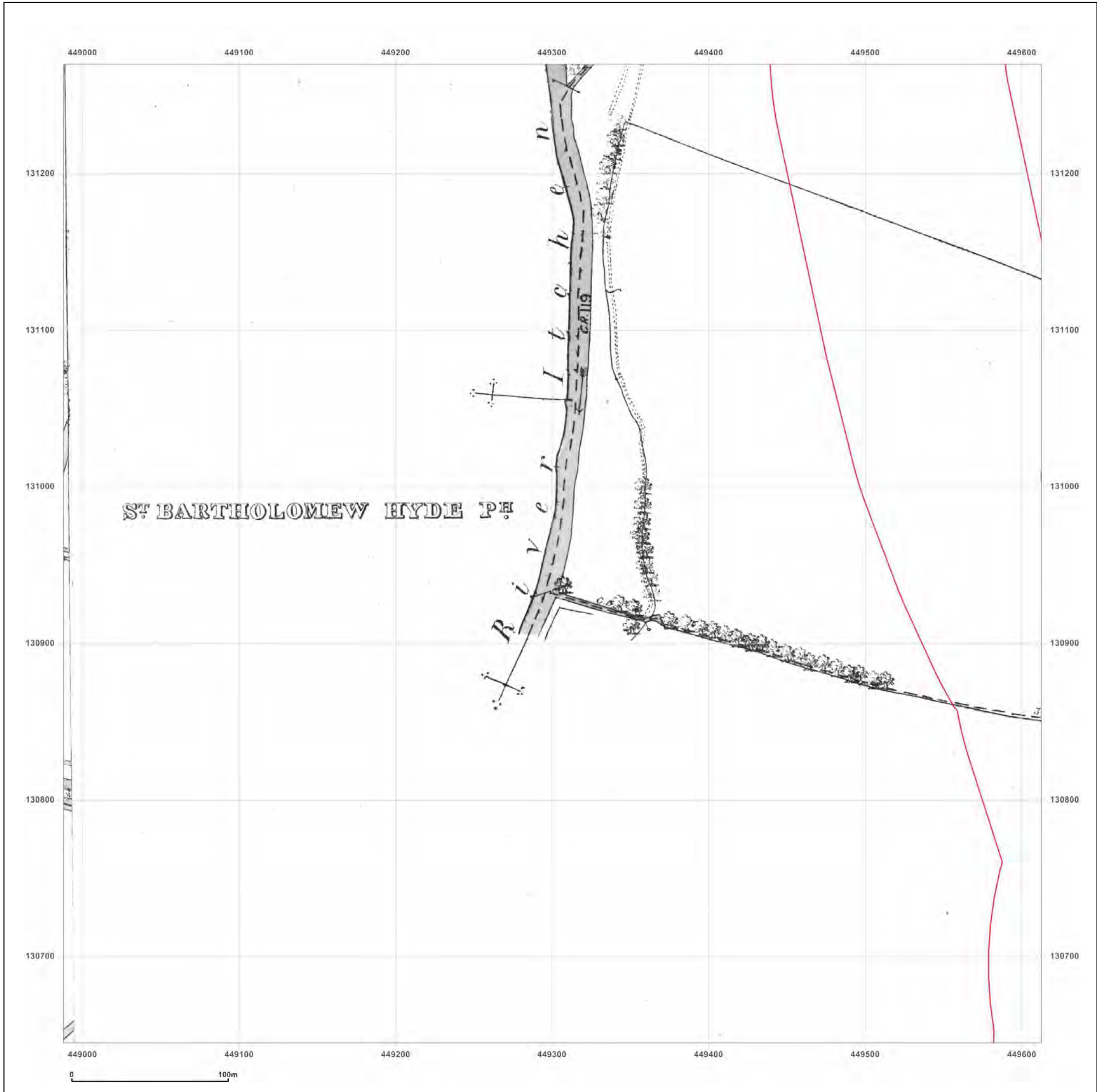


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Site Details:

449969.3362893146,
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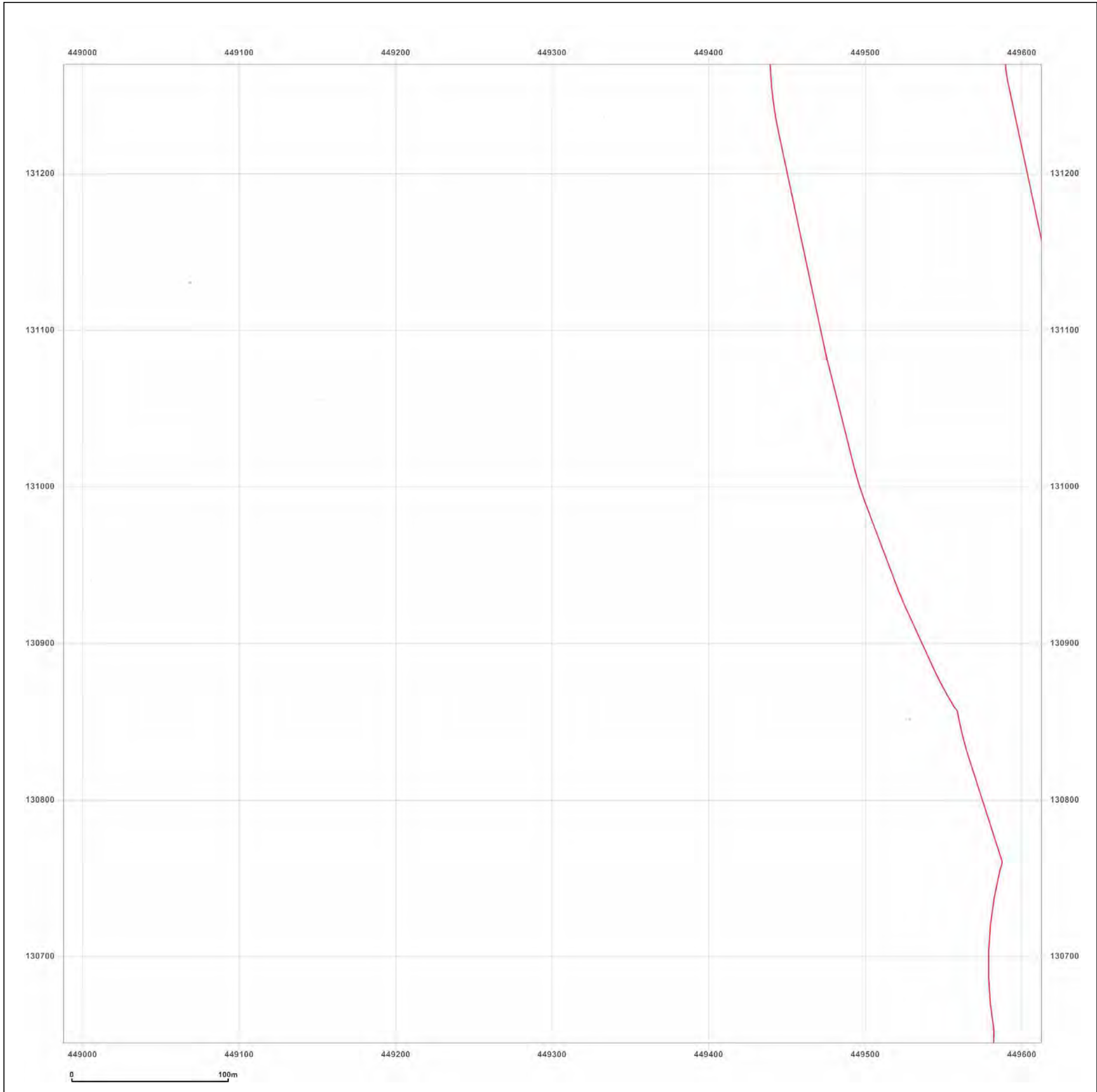
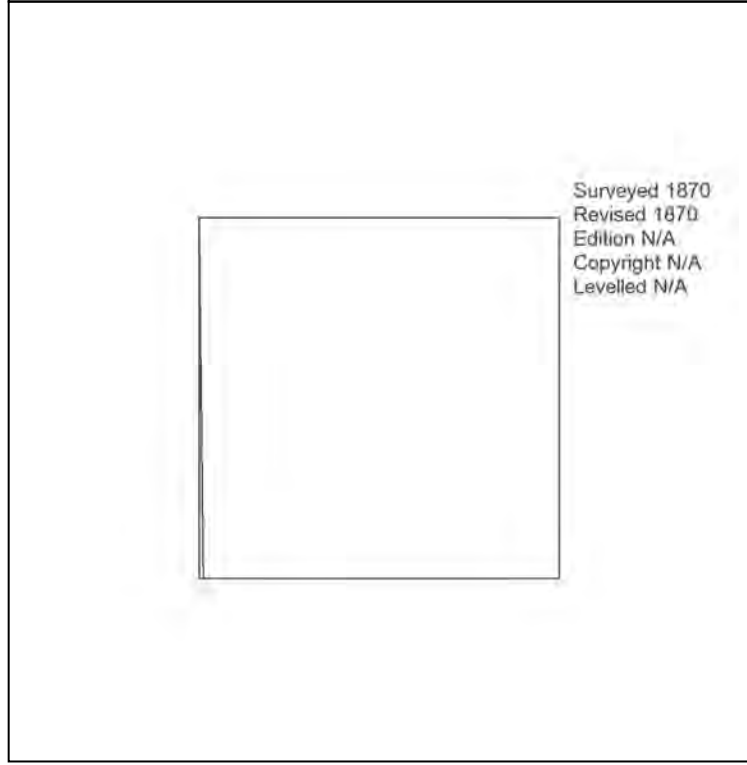
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Report Ref: GS-7137933_LS_1_3
Grid Ref: 449300, 130957

Map Name: County Series

Map date: 1870

Scale: 1:2,500

Printed at: 1:2,500



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Map legend available at: [REDACTED]

Site Details:

449969.3362893146,
131042.05233653993

Client Ref: 33689-_M3J9-Site_2
Report Ref: GS-7137933_LS_1_3
Grid Ref: 449300, 130957

Map Name: County Series

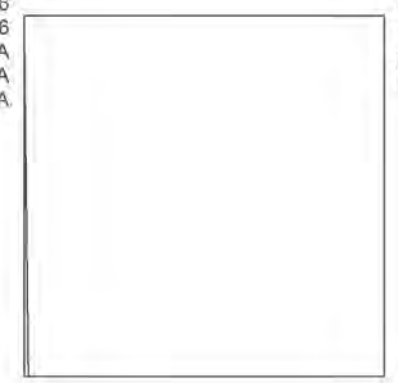
Map date: 1896

Scale: 1:2,500

Printed at: 1:2,500



Surveyed 1896
Revised 1896
Edition N/A
Copyright N/A
Levelled N/A



Surveyed 1896
Revised 1896
Edition N/A
Copyright N/A
Levelled N/A

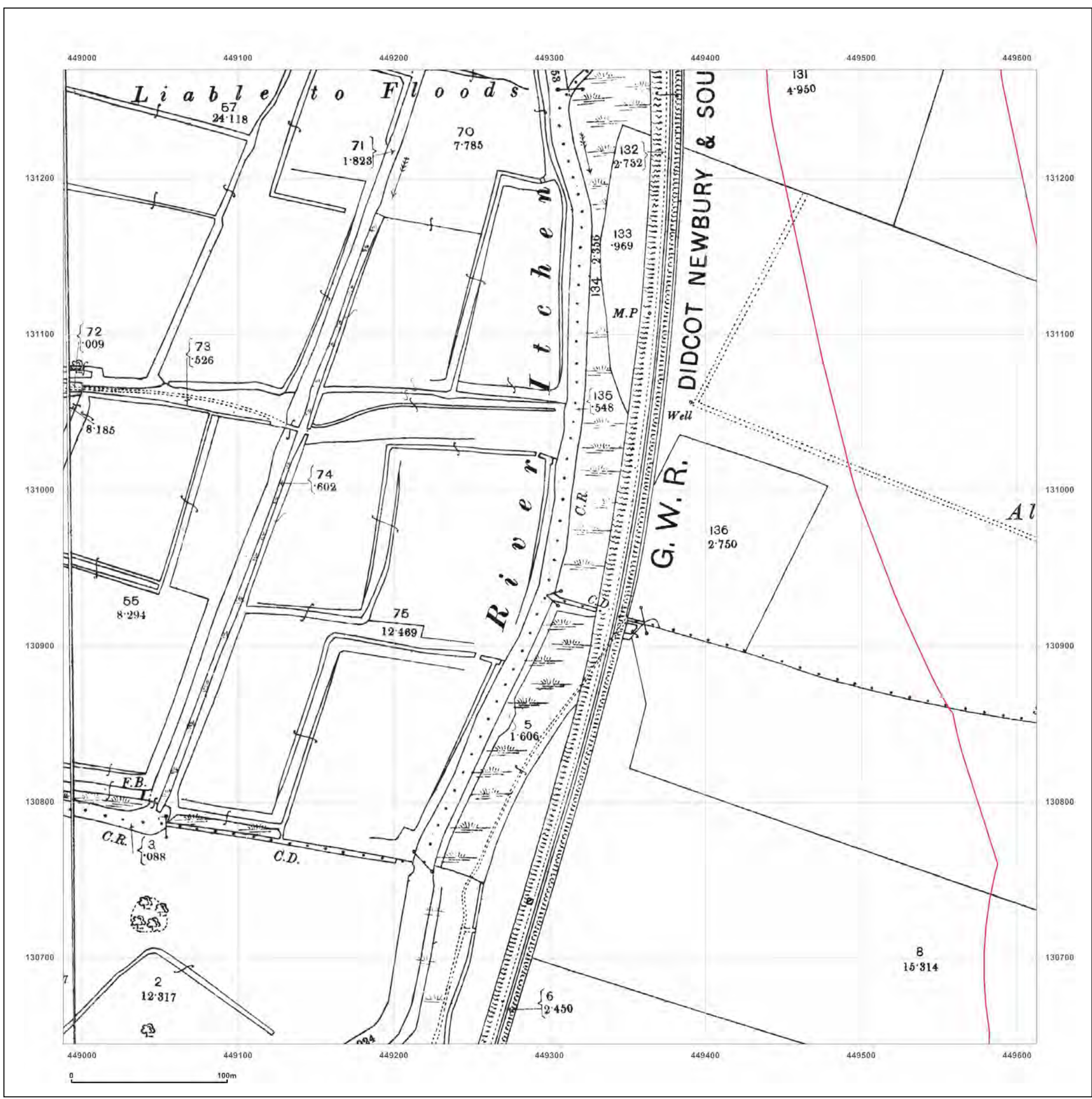


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Production date: 07 October 2020

Map legend available at:



Site Details:

449969.3362893146,
131042.05233653993

Client Ref: 33689-_M3J9-Site_2
Report Ref: GS-7137933_LS_1_3
Grid Ref: 449300, 130957

Map Name: County Series

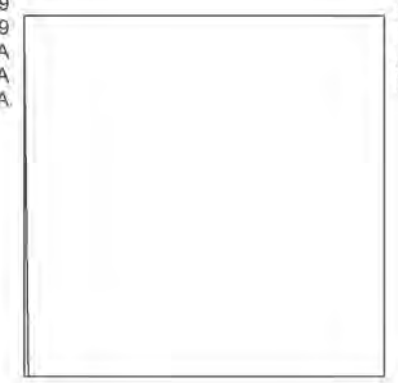
Map date: 1909

Scale: 1:2,500

Printed at: 1:2,500



Surveyed 1909
Revised 1909
Edition N/A
Copyright N/A
Levelled N/A

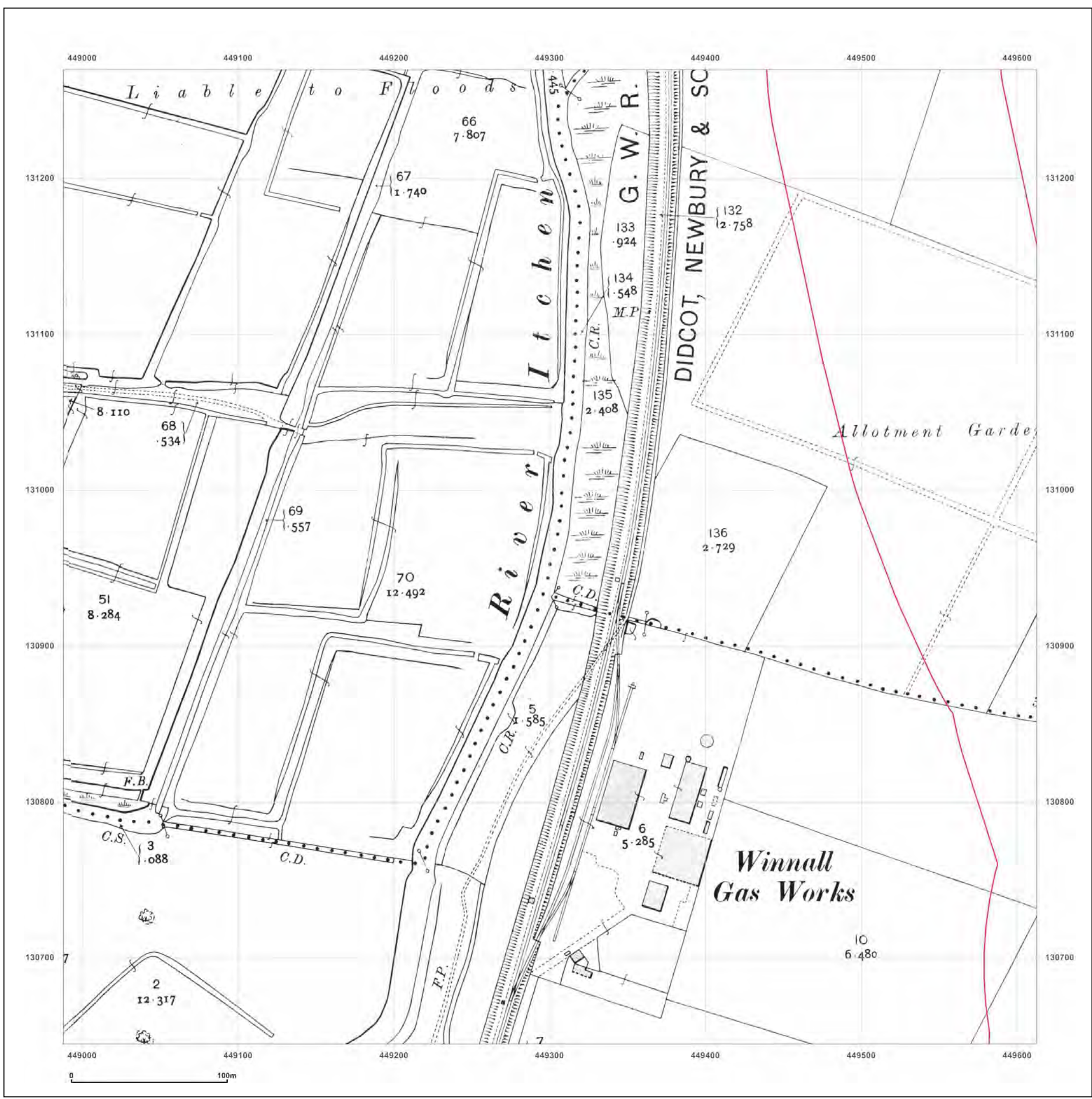


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Production date: 07 October 2020

Map legend available at:



Site Details:

449969.3362893146,
131042.05233653993

Client Ref: 33689-_M3J9-Site_2
Report Ref: GS-7137933_LS_1_3
Grid Ref: 449300, 130957

Map Name: County Series

Map date: 1932

Scale: 1:2,500

Printed at: 1:2,500



Surveyed 1932
Revised 1932
Edition N/A
Copyright N/A
Levelled N/A

Surveyed 1932
Revised 1932
Edition N/A
Copyright N/A
Levelled N/A

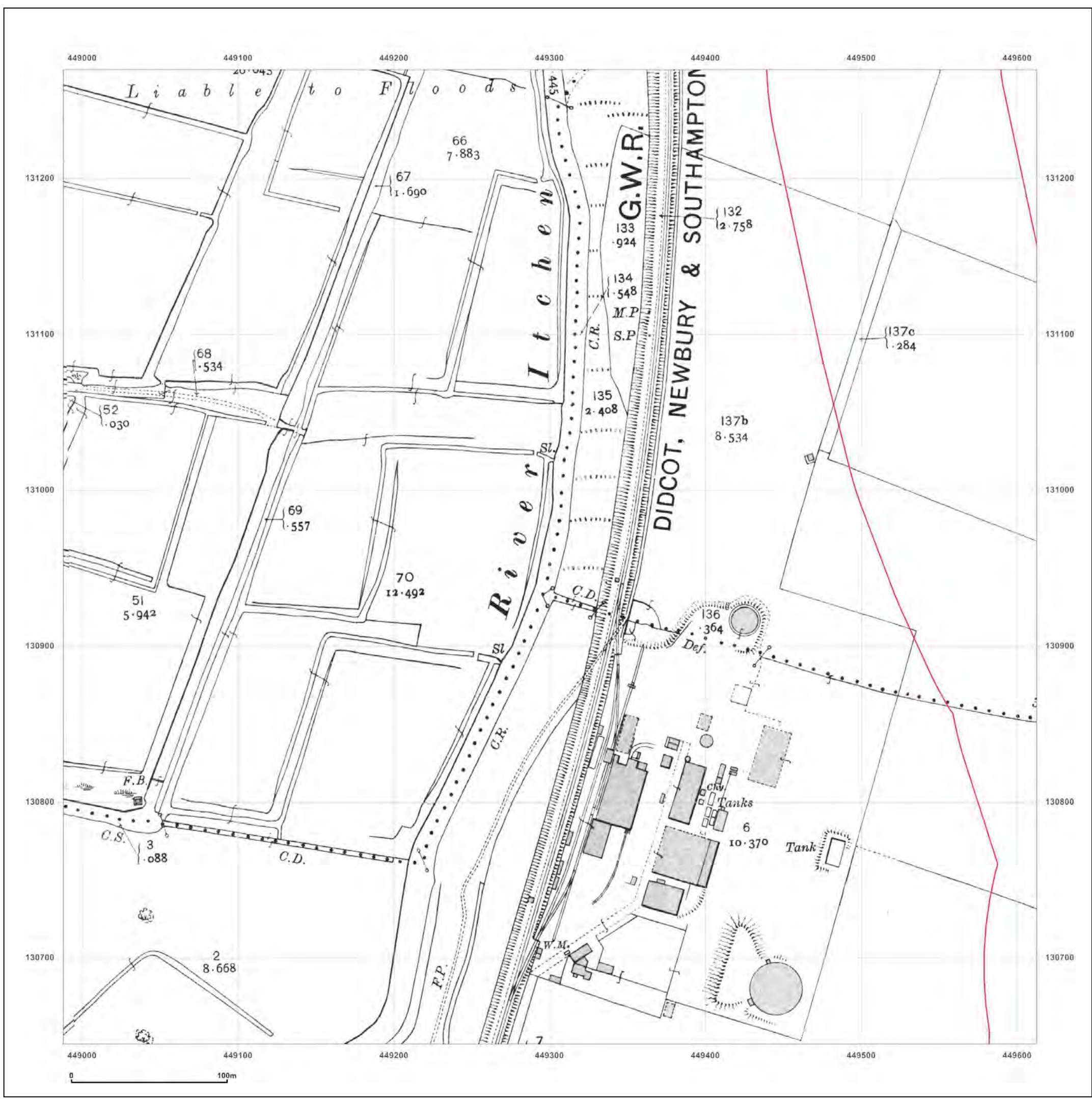


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Production date: 07 October 2020

Map legend available at:



Site Details:

449969.3362893146,
131042.05233653993

Client Ref: 33689-_M3J9-Site_2
Report Ref: GS-7137933_LS_1_3
Grid Ref: 449300, 130957

Map Name: County Series

Map date: 1939

Scale: 1:2,500

Printed at: 1:2,500



Surveyed 1939
Revised 1939
Edition N/A
Copyright N/A
Levelled N/A

Surveyed 1939
Revised 1939
Edition N/A
Copyright N/A
Levelled N/A

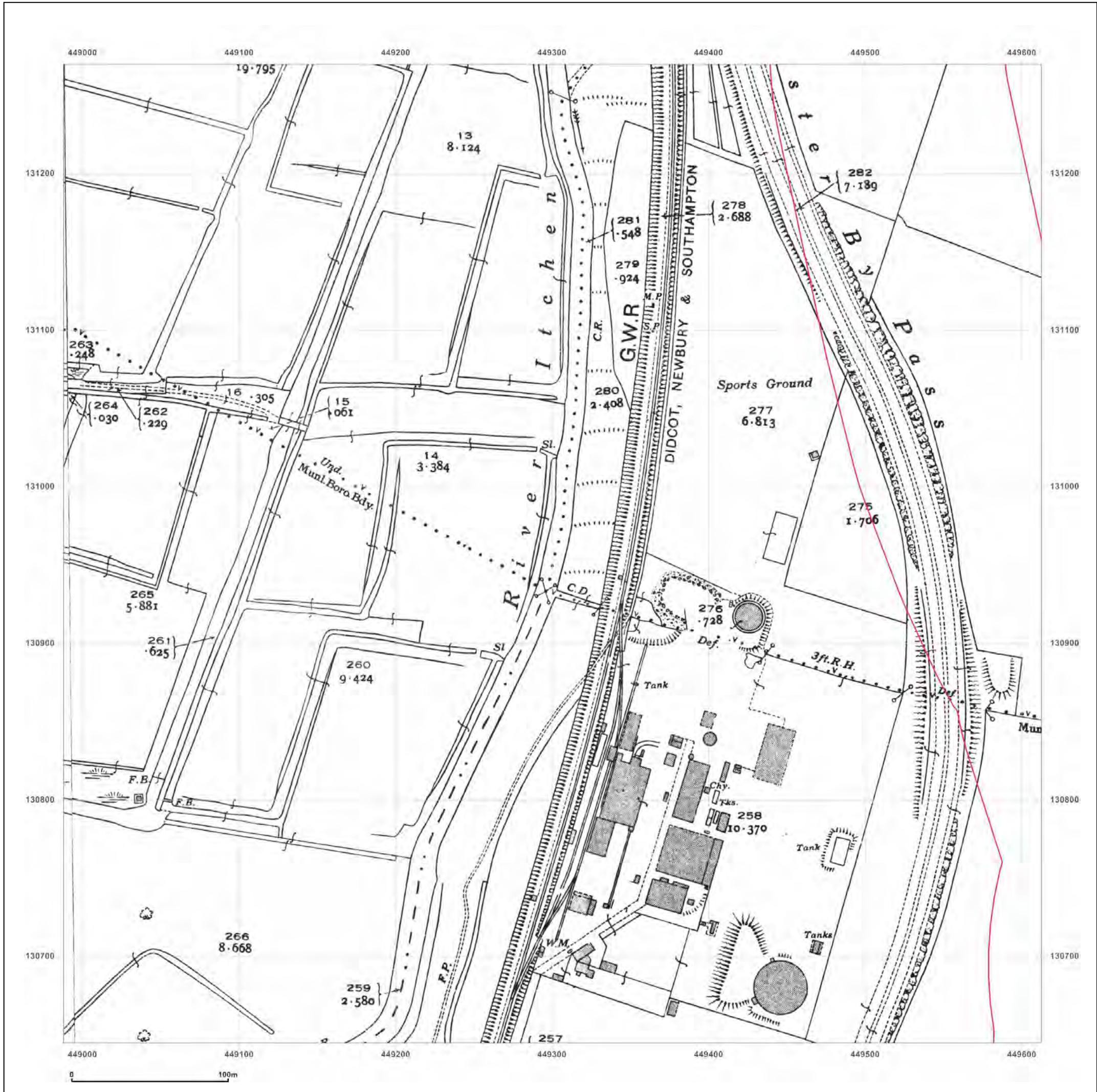


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Production date: 07 October 2020

Map legend available at:



Site Details:

449969.3362893146,
131042.05233653993

Client Ref: 33689-_M3J9-Site_2
Report Ref: GS-7137933_LS_1_3
Grid Ref: 449300, 130957

Map Name: National Grid


Map date: 1952

Scale: 1:2,500

Printed at: 1:2,500



Surveyed 1952
Revised 1952
Edition N/A
Copyright N/A
Levelled 1940



Surveyed 1952
Revised 1952
Edition N/A
Copyright N/A
Levelled 1940

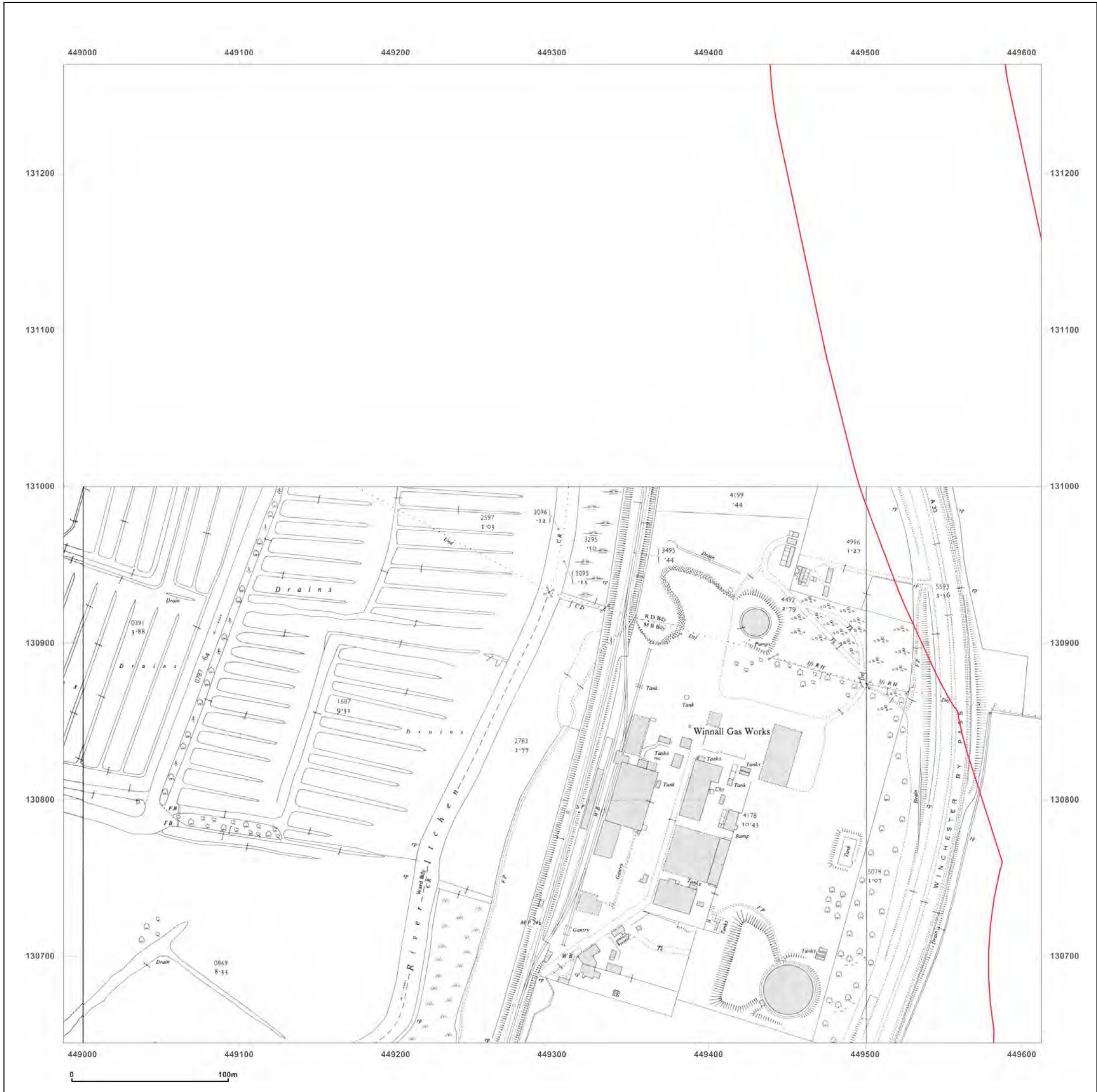


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Production date: 07 October 2020

Map legend available at:



Site Details:

449969.3362893146,
131042.05233653993

Client Ref: 33689-_M3J9-Site_2
Report Ref: GS-7137933_LS_1_3
Grid Ref: 449300, 130957

Map Name: National Grid

Map date: 1952

Scale: 1:2,500

Printed at: 1:2,500



Surveyed 1952
Revised 1952
Edition N/A
Copyright N/A
Levelled N/A



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Map legend available at:

Site Details:

449969.3362893146,
131042.05233653993

Client Ref: 33689-_M3J9-Site_2
Report Ref: GS-7137933_LS_1_3
Grid Ref: 449300, 130957

Map Name: National Grid

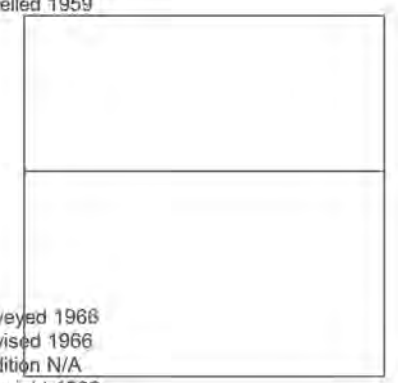
Map date: 1962-1966

Scale: 1:2,500

Printed at: 1:2,500



Surveyed 1962
Revised 1962
Edition N/A
Copyright 1963
Levelled 1959



Surveyed 1966
Revised 1966
Edition N/A
Copyright 1968
Levelled 1959

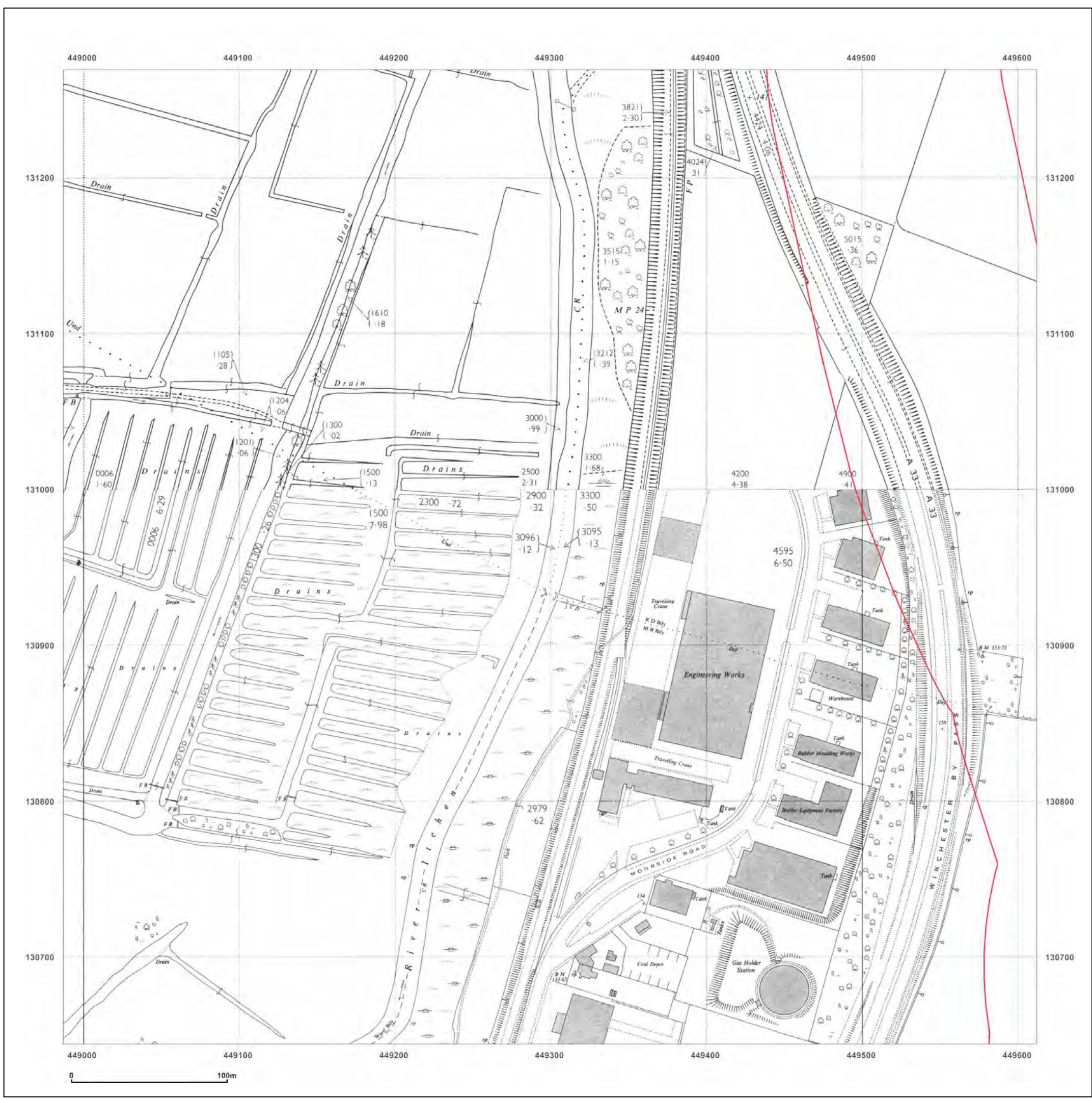


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Production date: 07 October 2020

Map legend available at:



Site Details:

449969.3362893146,
131042.05233653993

Client Ref: 33689-_M3J9-Site_2
Report Ref: GS-7137933_LS_1_3
Grid Ref: 449300, 130957

Map Name: National Grid

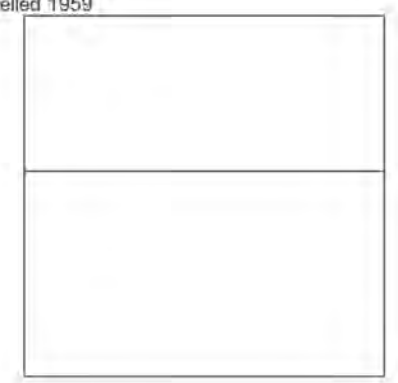
Map date: 1973

Scale: 1:2,500

Printed at: 1:2,500



Surveyed 1973
Revised 1973
Edition N/A
Copyright 1975
Levelled 1959



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Map legend available at:



Site Details:

449969.3362893146,
131042.05233653993

Client Ref: 33689-_M3J9-Site_2
Report Ref: GS-7137933_LS_1_3
Grid Ref: 449300, 130957

Map Name: National Grid

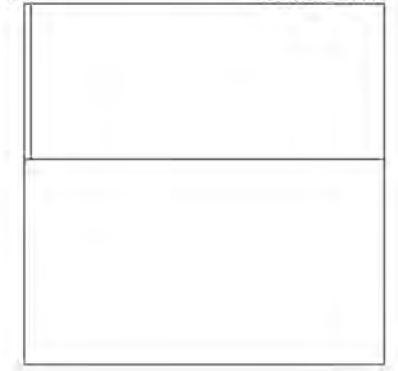
Map date: 1975

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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Production date: 07 October 2020

Map legend available at:

Site Details:

449969.3362893146,
131042.05233653993

Client Ref: 33689-_M3J9-Site_2
Report Ref: GS-7137933_LS_1_3
Grid Ref: 449300, 130957

Map Name: National Grid

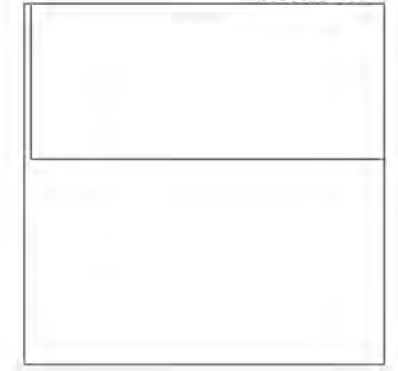
Map date: 1987

Scale: 1:2,500

Printed at: 1:2,500



Surveyed N/A
Revised N/A
Edition N/A
Copyright 1987
Levelled 1958



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Map legend available at:



Site Details:

449969.3362893146,
131042.05233653993

Client Ref: 33689-_M3J9-Site_2
Report Ref: GS-7137933_LS_1_3
Grid Ref: 449300, 130957

Map Name: National Grid

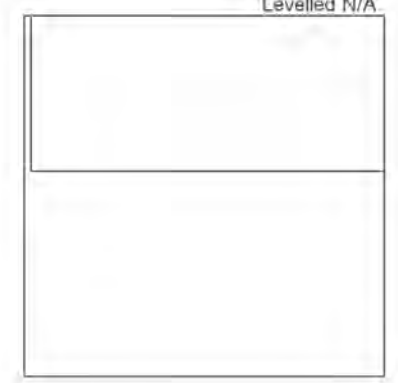
Map date: 1993

Scale: 1:2,500

Printed at: 1:2,500



Surveyed 1993
Revised 1993
Edition N/A
Copyright N/A
Levelled N/A

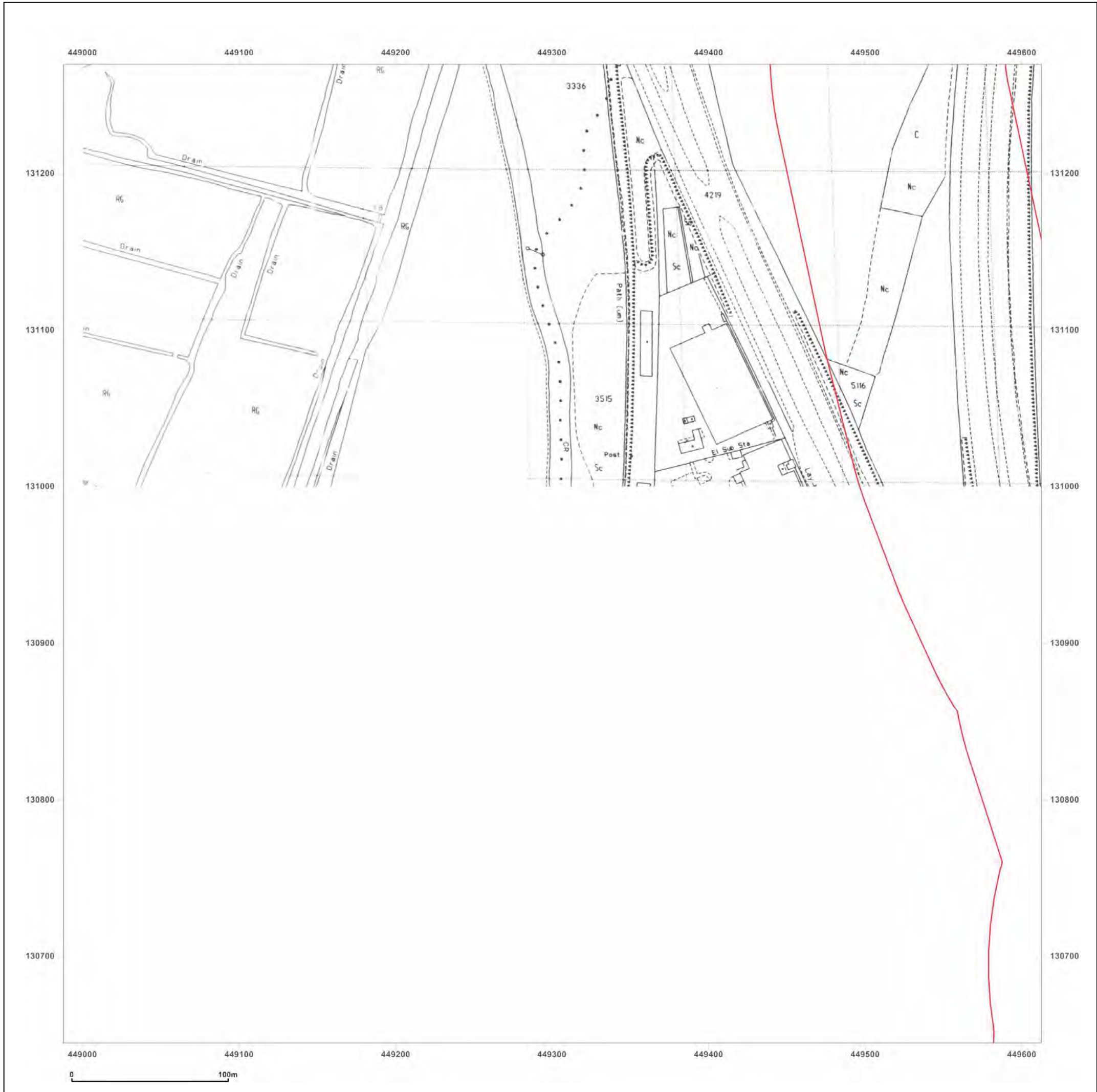


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Production date: 07 October 2020

Map legend available at:



Site Details:

449969.3362893146,
131042.05233653993

Client Ref: 33689-_M3J9-Site_2
Report Ref: GS-7137933_LS_1_4
Grid Ref: 449300, 131582

Map Name: County Series

Map date: 1869-1870

Scale: 1:2,500

Printed at: 1:2,500



Surveyed 1870
Revised 1870
Edition N/A
Copyright N/A
Levelled N/A

Surveyed 1869
Revised 1869
Edition N/A
Copyright N/A
Levelled N/A

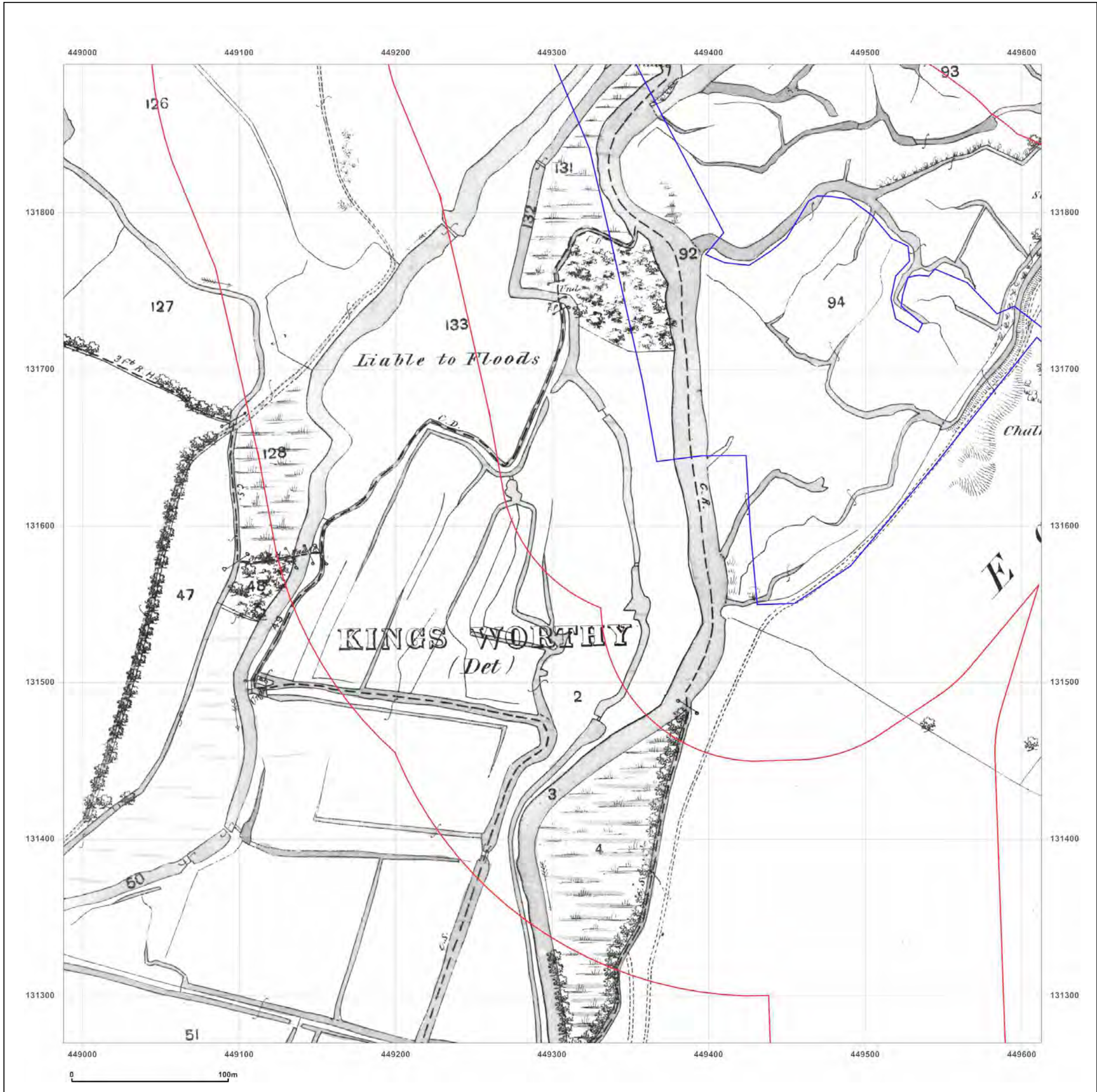


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Production date: 07 October 2020

Map legend available at:



Site Details:

449969.3362893146,
131042.05233653993

Client Ref: 33689-_M3J9-Site_2
Report Ref: GS-7137933_LS_1_4
Grid Ref: 449300, 131582

Map Name: County Series

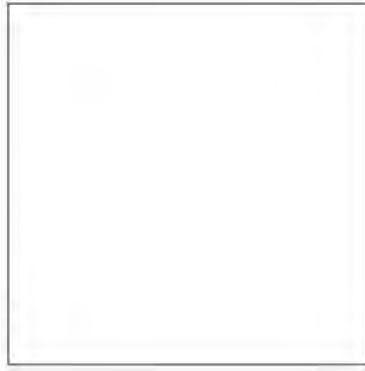
Map date: 1870

Scale: 1:2,500

Printed at: 1:2,500



Surveyed 1870
Revised 1870
Edition N/A
Copyright N/A
Levelled N/A



Surveyed 1870
Revised 1870
Edition N/A
Copyright N/A
Levelled N/A

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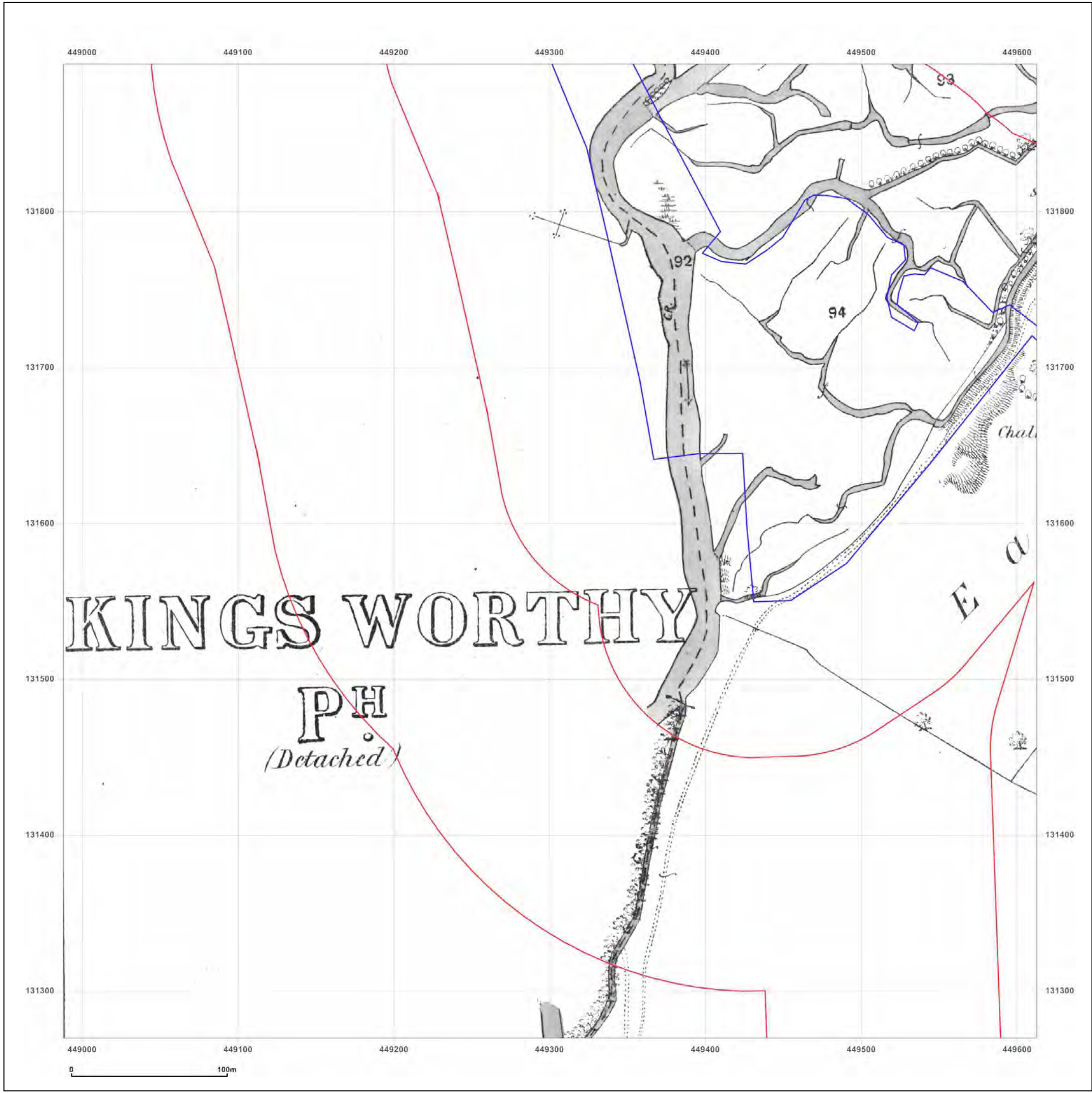


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Production date: 07 October 2020

Map legend available at: XXXXXXXXXX



Site Details:

449969.3362893146,
131042.05233653993

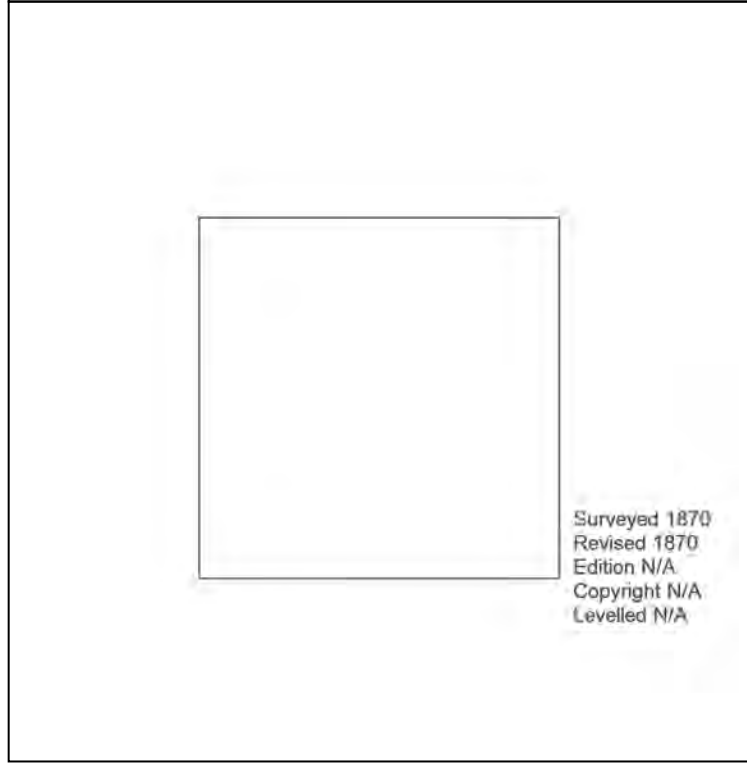
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Report Ref: GS-7137933_LS_1_4
Grid Ref: 449300, 131582

Map Name: County Series

Map date: 1870

Scale: 1:2,500

Printed at: 1:2,500



Surveyed 1870
Revised 1870
Edition N/A
Copyright N/A
Levelled N/A

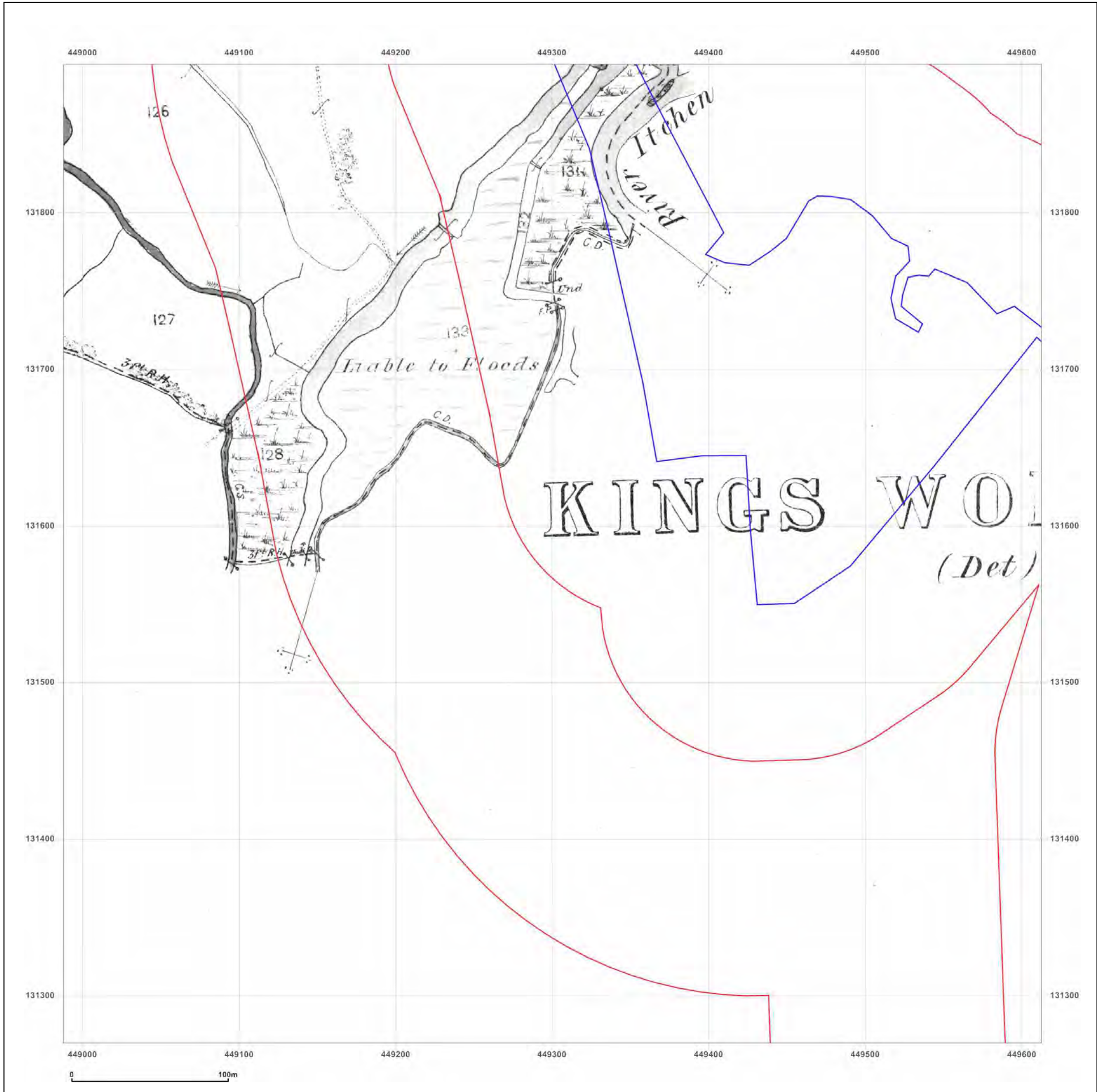


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Map legend available at:



Site Details:

449969.3362893146,
131042.05233653993

Client Ref: 33689-_M3J9-Site_2
Report Ref: GS-7137933_LS_1_4
Grid Ref: 449300, 131582

Map Name: County Series

Map date: 1896

Scale: 1:2,500

Printed at: 1:2,500



Surveyed 1896
Revised 1896
Edition N/A
Copyright N/A
Levelled N/A

Surveyed 1896
Revised 1896
Edition N/A
Copyright N/A
Levelled N/A

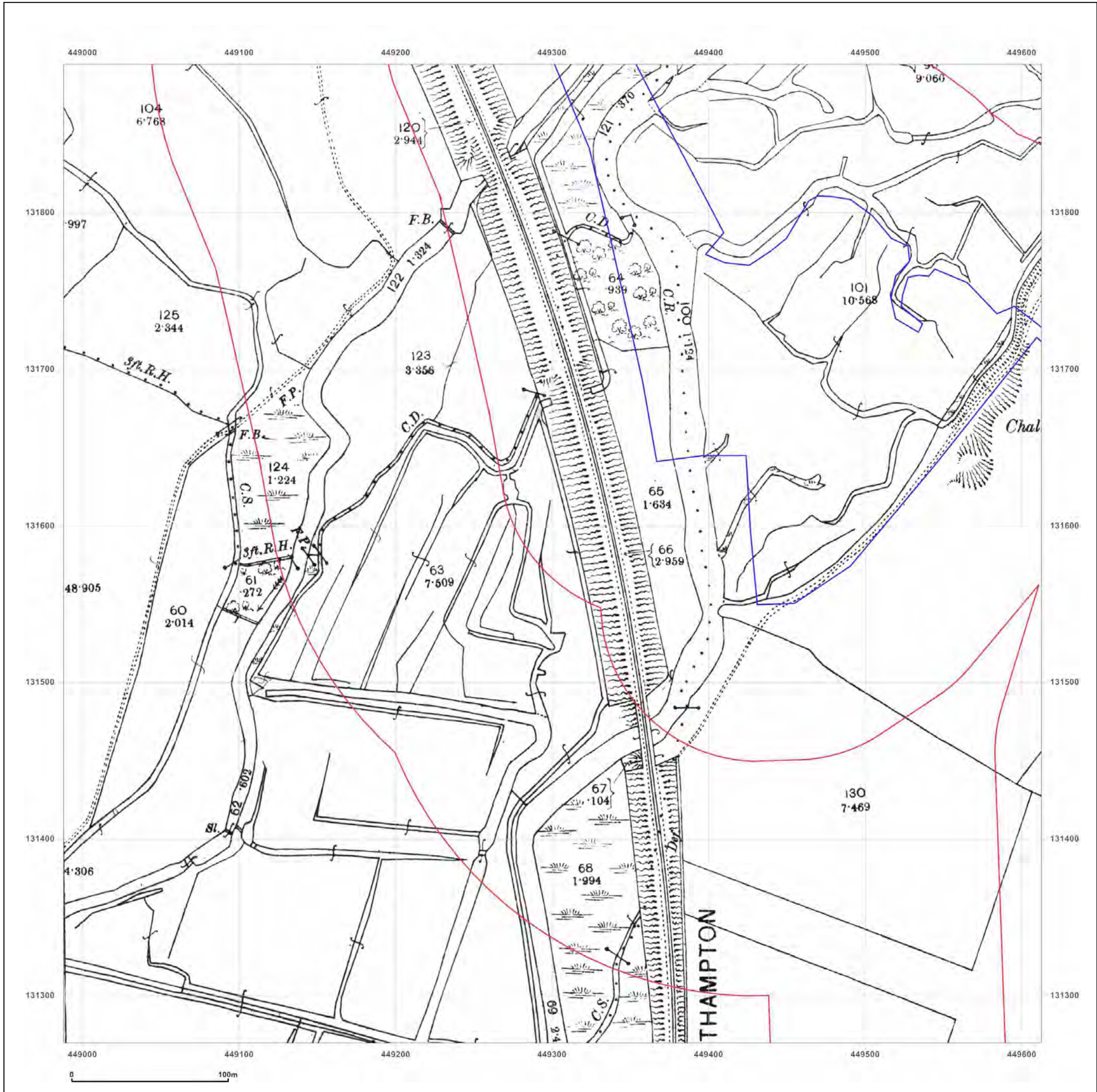


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Production date: 07 October 2020

Map legend available at:



Site Details:

449969.3362893146,
131042.05233653993

Client Ref: 33689-_M3J9-Site_2
Report Ref: GS-7137933_LS_1_4
Grid Ref: 449300, 131582

Map Name: County Series

Map date: 1909

Scale: 1:2,500

Printed at: 1:2,500



Surveyed 1909
Revised 1909
Edition N/A
Copyright N/A
Levelled N/A

Surveyed 1909
Revised 1909
Edition N/A
Copyright N/A
Levelled N/A

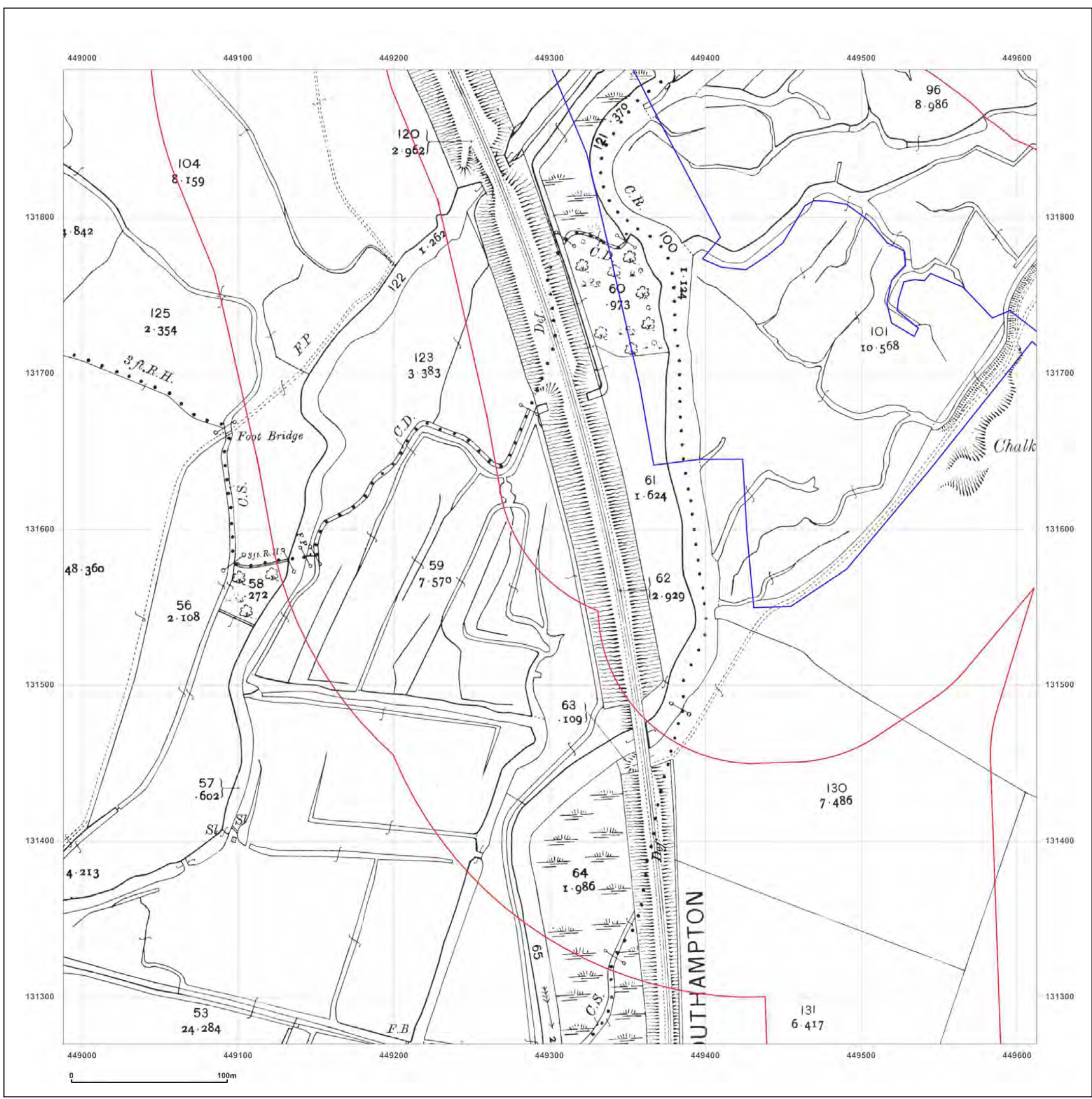


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Production date: 07 October 2020

Map legend available at:



Site Details:

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131042.05233653993

Client Ref: 33689-_M3J9-Site_2
Report Ref: GS-7137933_LS_1_4
Grid Ref: 449300, 131582

Map Name: County Series

Map date: 1939

Scale: 1:2,500

Printed at: 1:2,500



Surveyed 1939
Revised 1939
Edition N/A
Copyright N/A
Levelled N/A

Surveyed 1939
Revised 1939
Edition N/A
Copyright N/A
Levelled N/A

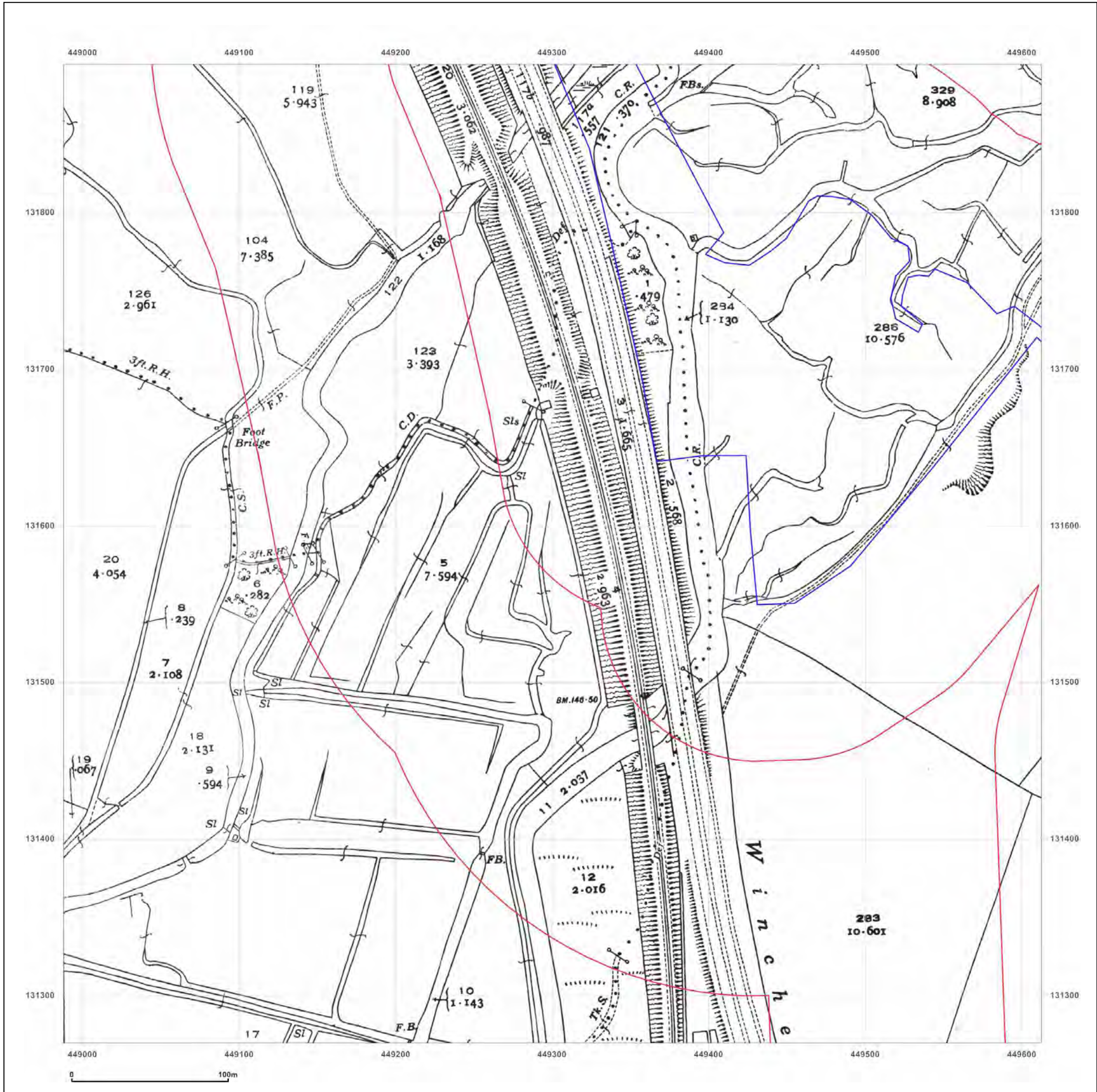


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131042.05233653993

Client Ref: 33689-_M3J9-Site_2
Report Ref: GS-7137933_LS_1_4
Grid Ref: 449300, 131582

Map Name: National Grid

Map date: 1962

Scale: 1:2,500

Printed at: 1:2,500



Surveyed 1962
Revised 1962
Edition N/A
Copyright 1983
Levelled 1959

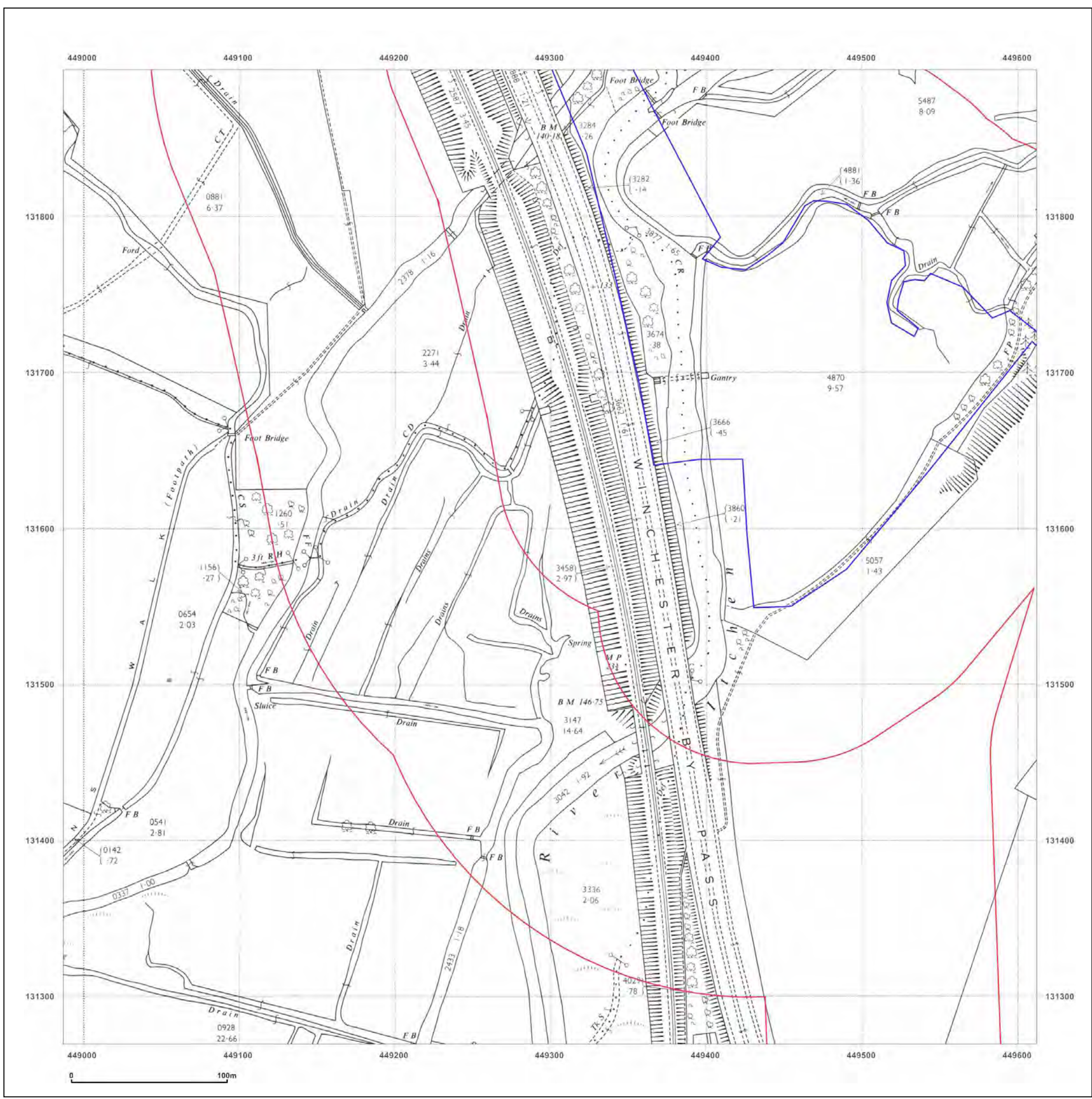


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Site Details:

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131042.05233653993

Client Ref: 33689-_M3J9-Site_2
Report Ref: GS-7137933_LS_1_4
Grid Ref: 449300, 131582

Map Name: National Grid

Map date: 1973

Scale: 1:2,500

Printed at: 1:2,500



Surveyed 1973
Revised 1973
Edition N/A
Copyright 1975
Levelled 1959

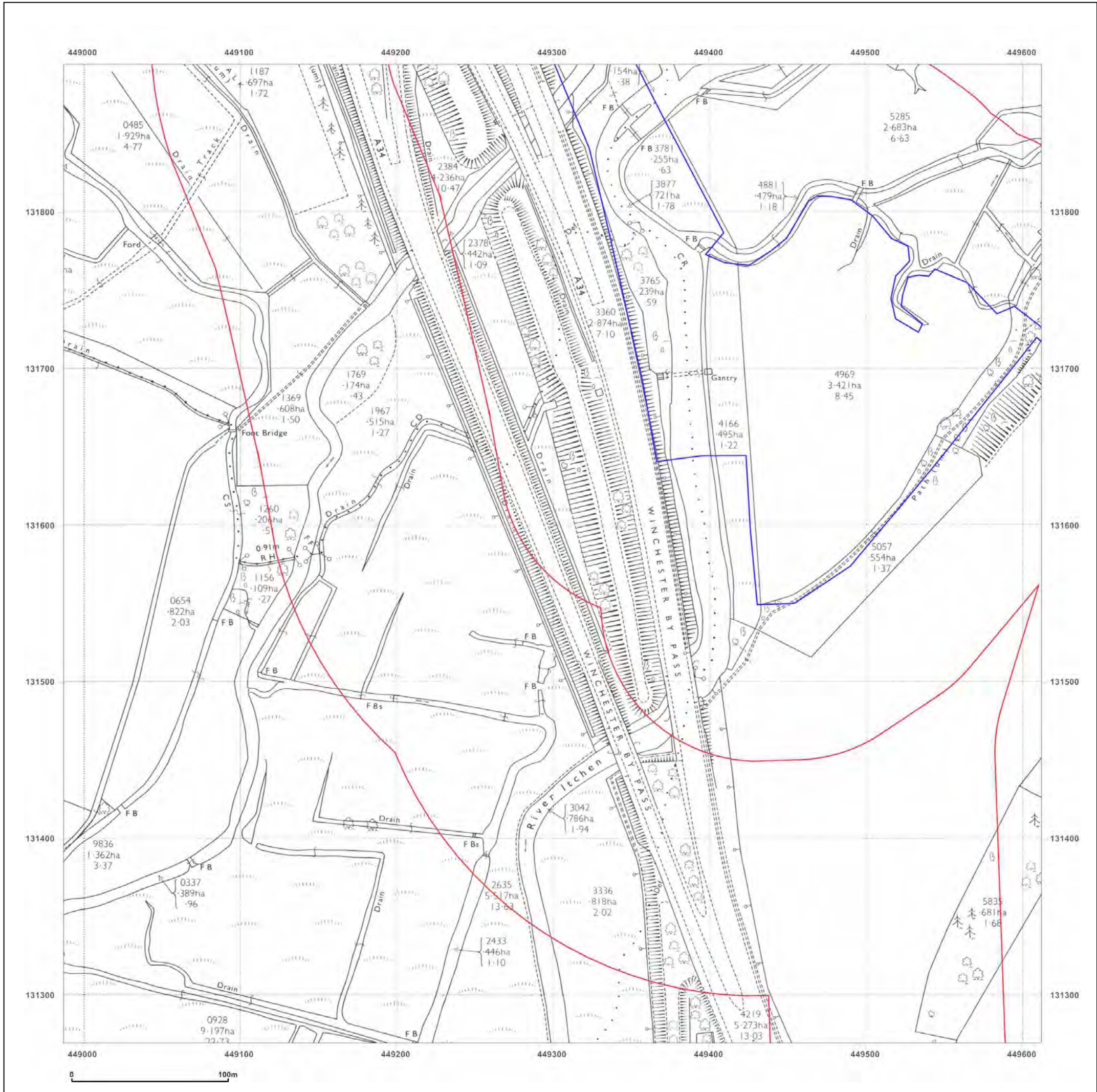


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Production date: 07 October 2020

Map legend available at:



Site Details:

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131042.05233653993

Client Ref: 33689_M3J9-Site_2
Report Ref: GS-7137933_LS_1_4
Grid Ref: 449300, 131582

Map Name: National Grid

Map date: 1975

Scale: 1:2,500

Printed at: 1:2,500



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

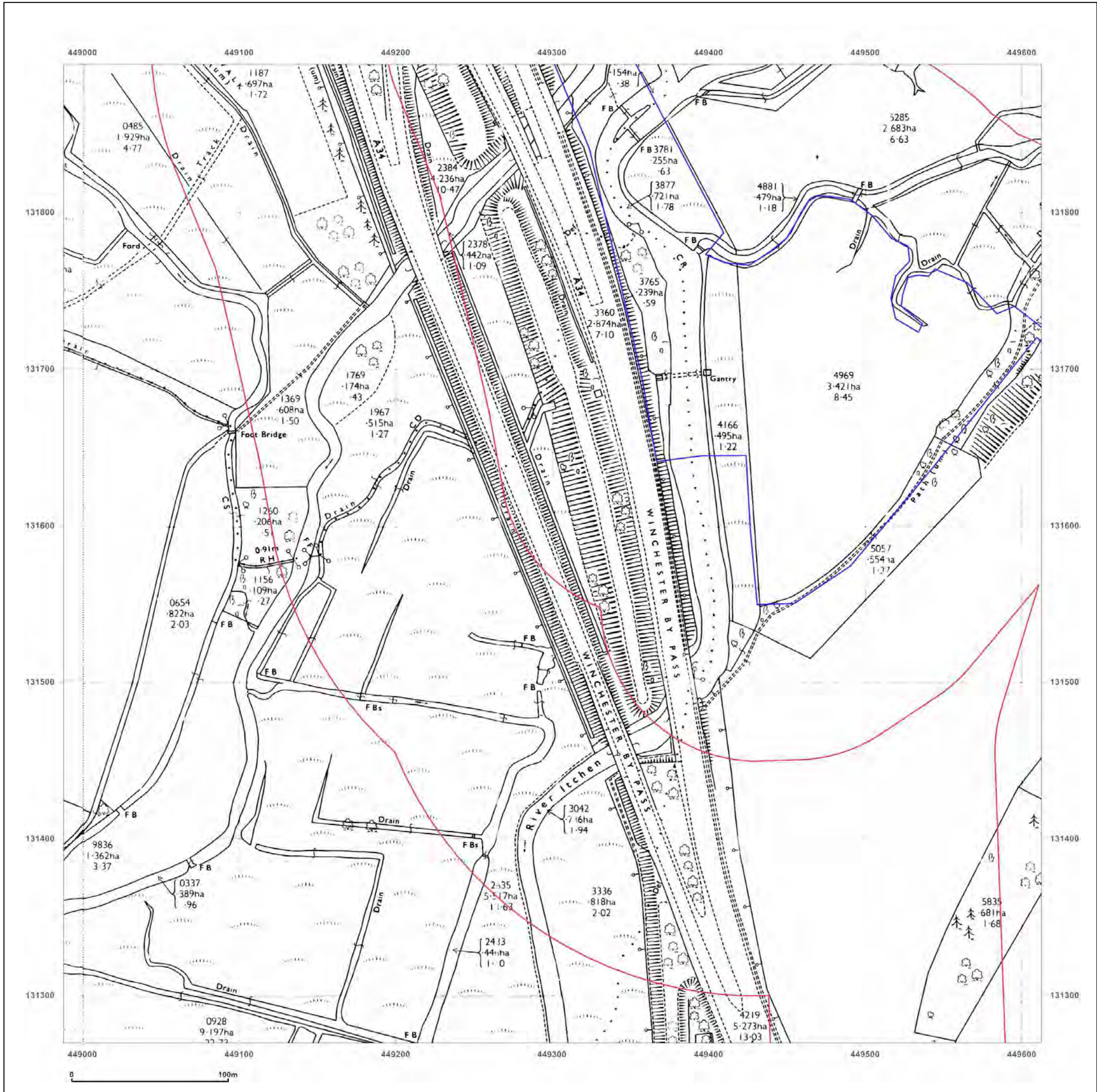


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Production date: 07 October 2020

Map legend available at:



Site Details:

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131042.05233653993

Client Ref: 33689-_M3J9-Site_2
Report Ref: GS-7137933_LS_1_4
Grid Ref: 449300, 131582

Map Name: National Grid

Map date: 1987

Scale: 1:2,500

Printed at: 1:2,500



Surveyed N/A
Revised N/A
Edition N/A
Copyright 1987
Levelled 1958

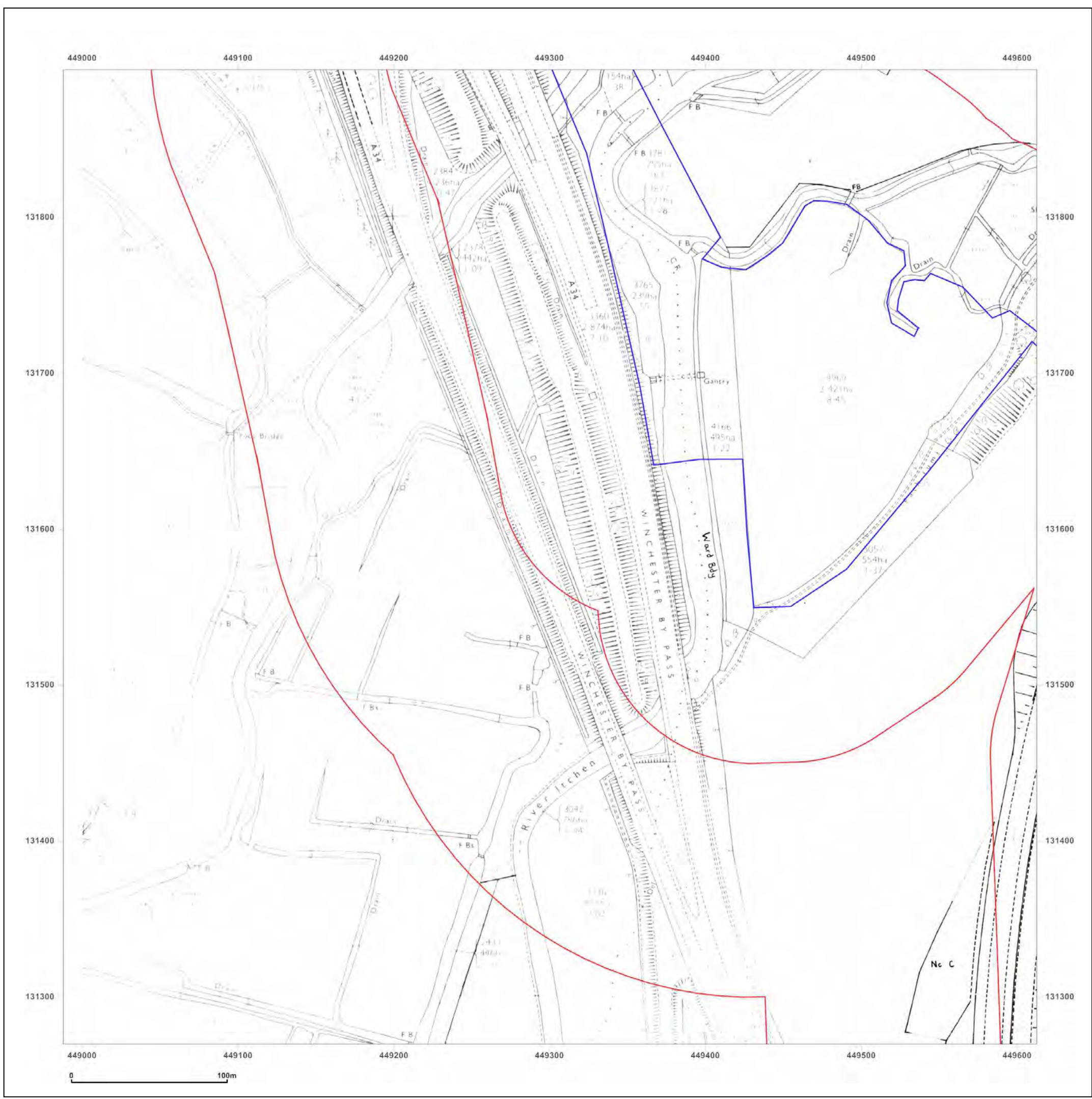


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Site Details:

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131042.05233653993

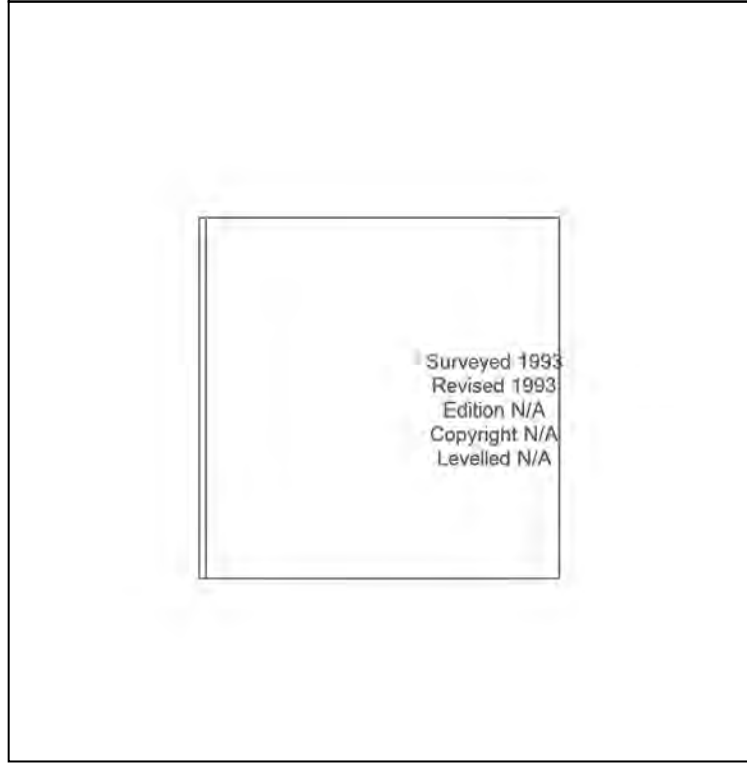
Client Ref: 33689-_M3J9-Site_2
Report Ref: GS-7137933_LS_1_4
Grid Ref: 449300, 131582

Map Name: National Grid

Map date: 1993

Scale: 1:2,500

Printed at: 1:2,500



Surveyed 1993
Revised 1993
Edition N/A
Copyright N/A
Levelled N/A

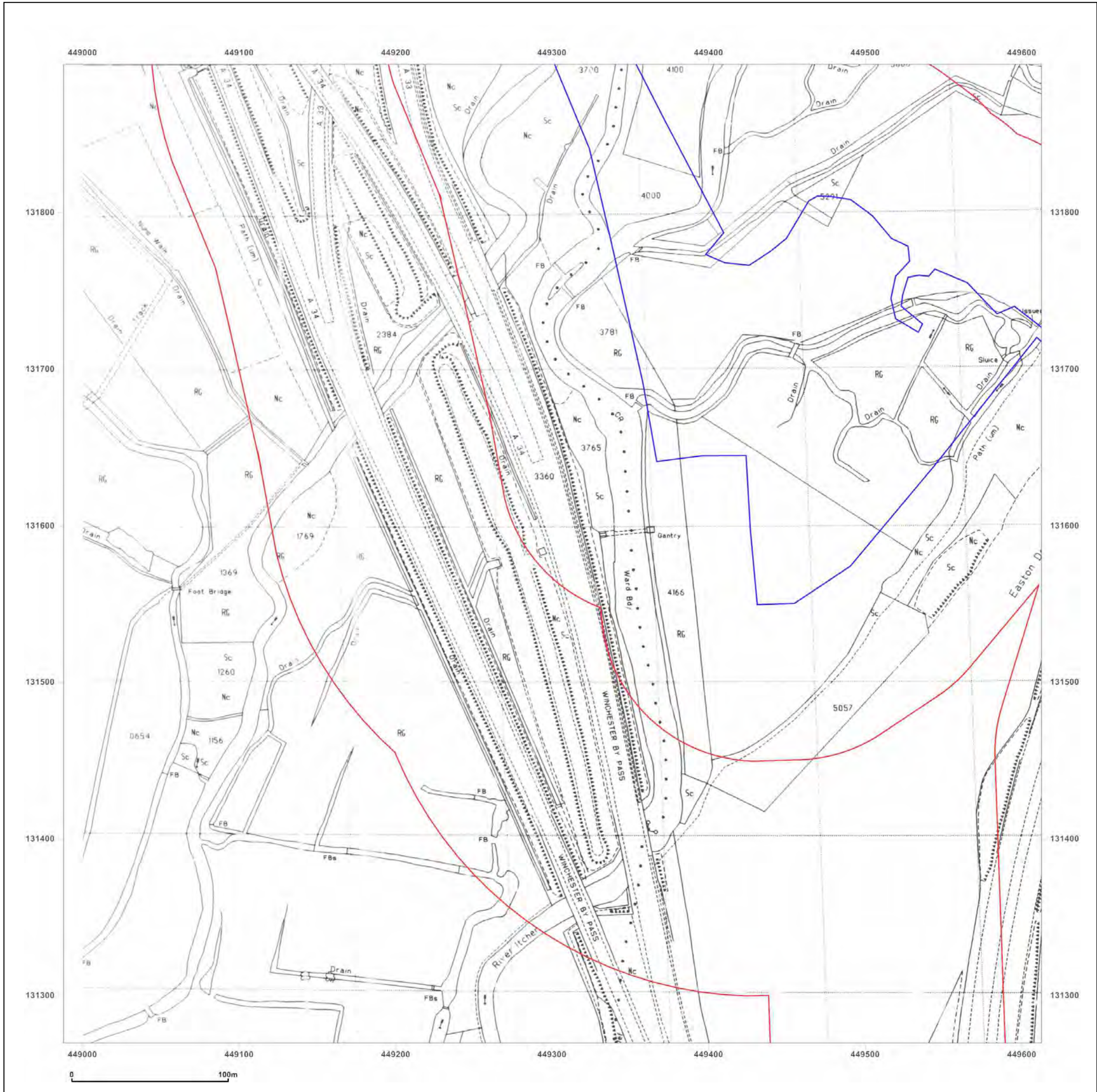


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Map legend available at:



449000 449100 449200 449300 449400 449500 449600

131800

131700

131600

131500

131400

131300

131800

131700

131600

131500

131400

131300

449000 449100 449200 449300 449400 449500 449600

0 100m

Site Details:

449969.3362893146,
131042.05233653993

Client Ref: 33689-_M3J9-Site_2
Report Ref: GS-7137933_LS_1_5
Grid Ref: 449300, 132208

Map Name: County Series

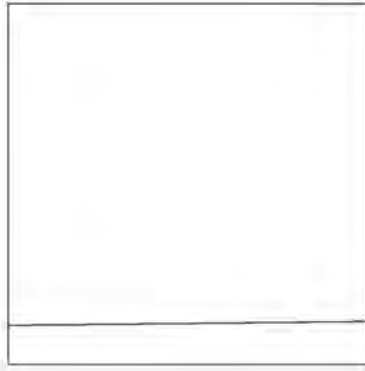
Map date: 1869-1870

Scale: 1:2,500

Printed at: 1:2,500



Surveyed 1870
Revised 1870
Edition N/A
Copyright N/A
Levelled N/A



Surveyed 1869
Revised 1869
Edition N/A
Copyright N/A
Levelled N/A

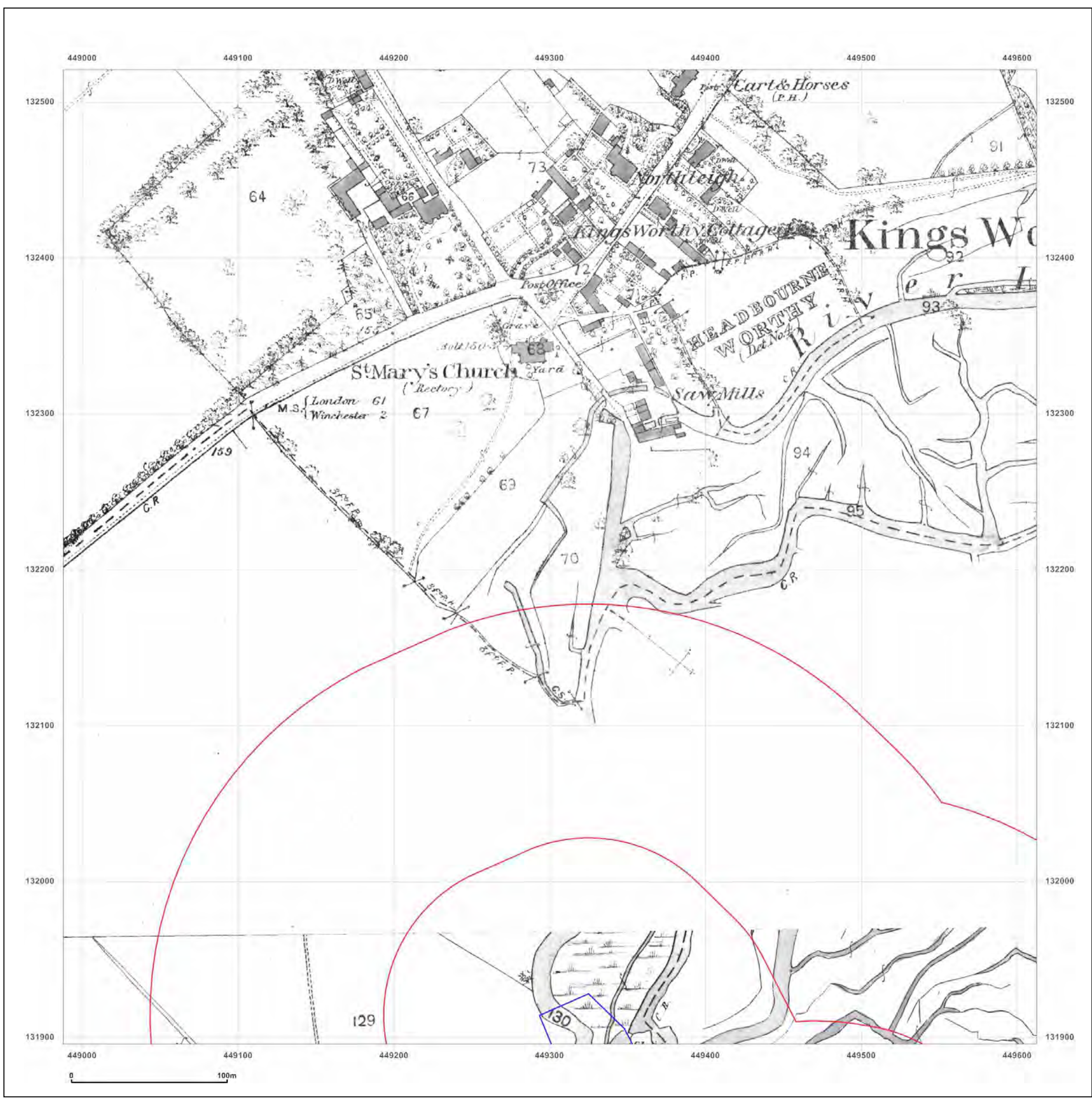


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Production date: 07 October 2020

Map legend available at:



Site Details:

449969.3362893146,
131042.05233653993

Client Ref: 33689-_M3J9-Site_2
Report Ref: GS-7137933_LS_1_5
Grid Ref: 449300, 132208

Map Name: County Series

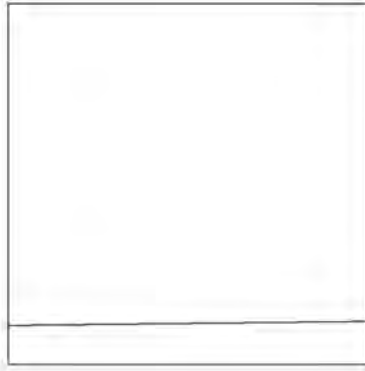
Map date: 1870

Scale: 1:2,500

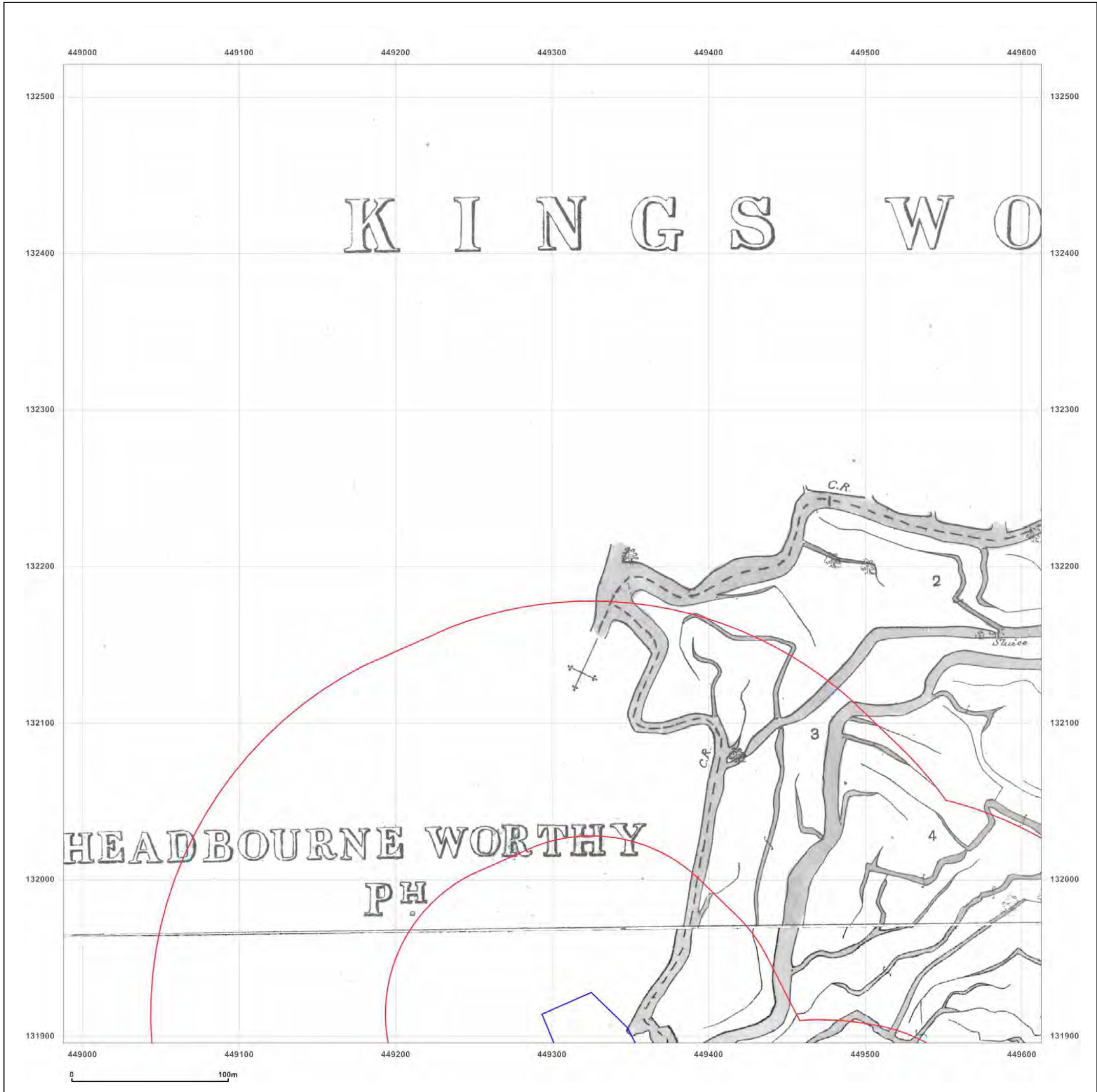
Printed at: 1:2,500



Surveyed 1870
 Revised 1870
 Edition N/A
 Copyright N/A
 Levelled N/A



Surveyed 1870
 Revised 1870
 Edition N/A
 Copyright N/A
 Levelled N/A



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Map legend available at:

Site Details:

449969.3362893146,
131042.05233653993

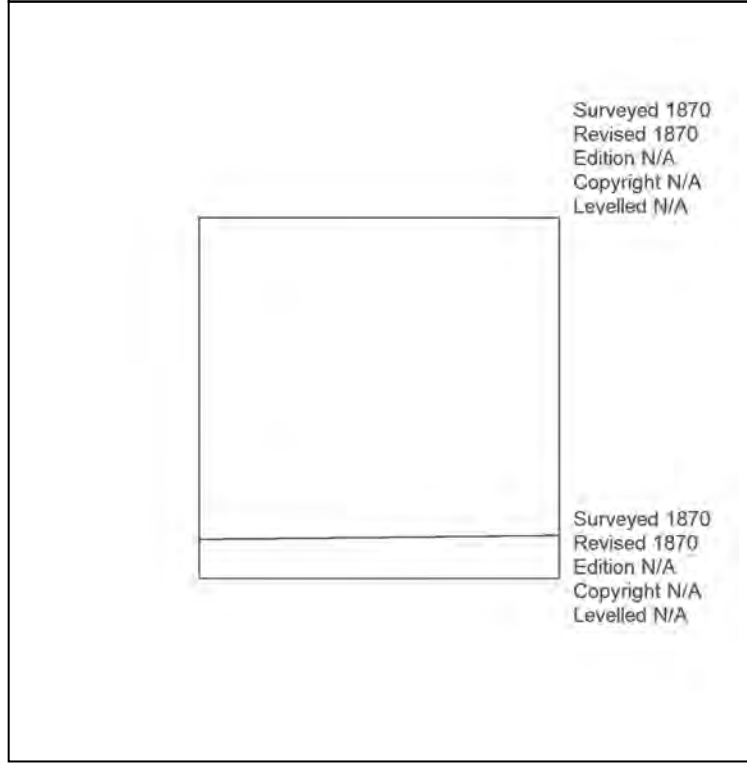
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Report Ref: GS-7137933_LS_1_5
Grid Ref: 449300, 132208

Map Name: County Series

Map date: 1870

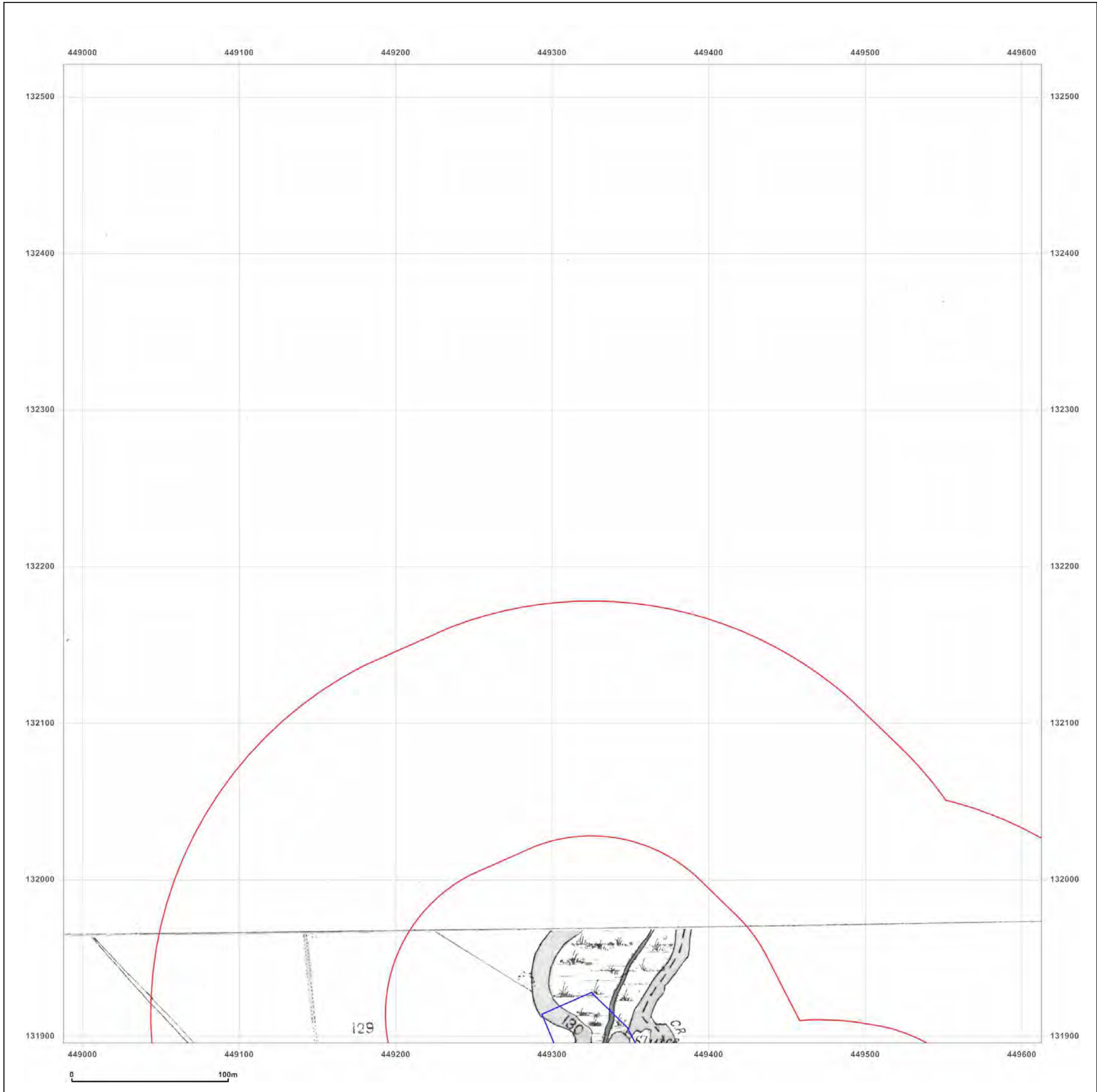
Scale: 1:2,500

Printed at: 1:2,500



Surveyed 1870
Revised 1870
Edition N/A
Copyright N/A
Levelled N/A

Surveyed 1870
Revised 1870
Edition N/A
Copyright N/A
Levelled N/A



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Production date: 07 October 2020

Map legend available at:

Site Details:

449969.3362893146,
131042.05233653993

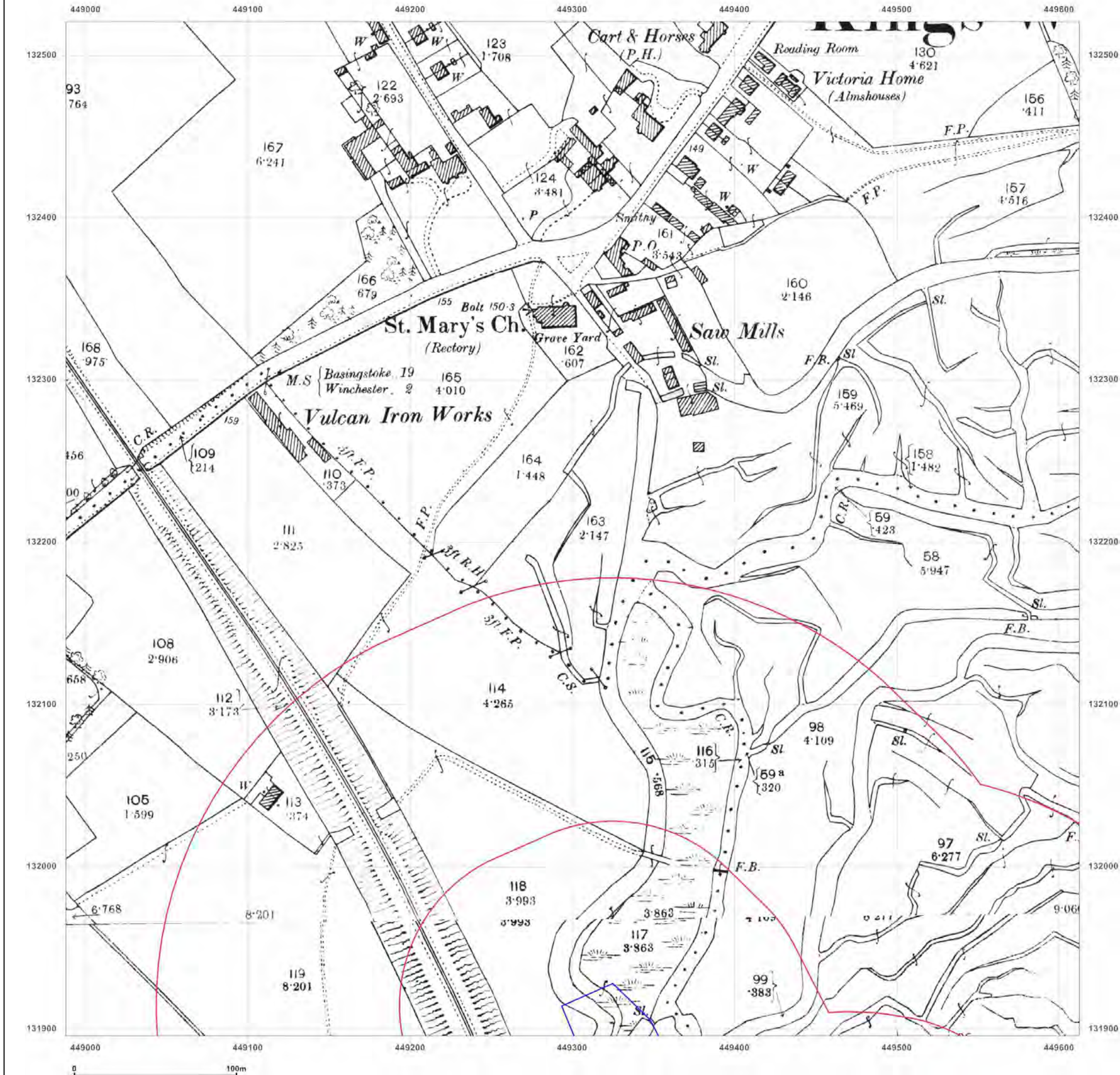
Client Ref: 33689-_M3J9-Site_2
Report Ref: GS-7137933_LS_1_5
Grid Ref: 449300, 132208

Map Name: County Series

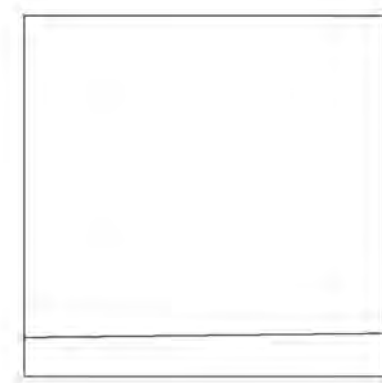
Map date: 1896

Scale: 1:2,500

Printed at: 1:2,500



Surveyed 1896
Revised 1896
Edition N/A
Copyright N/A
Levelled N/A



Surveyed 1896
Revised 1896
Edition N/A
Copyright N/A
Levelled N/A



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Production date: 07 October 2020

Map legend available at:

Site Details:

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131042.05233653993

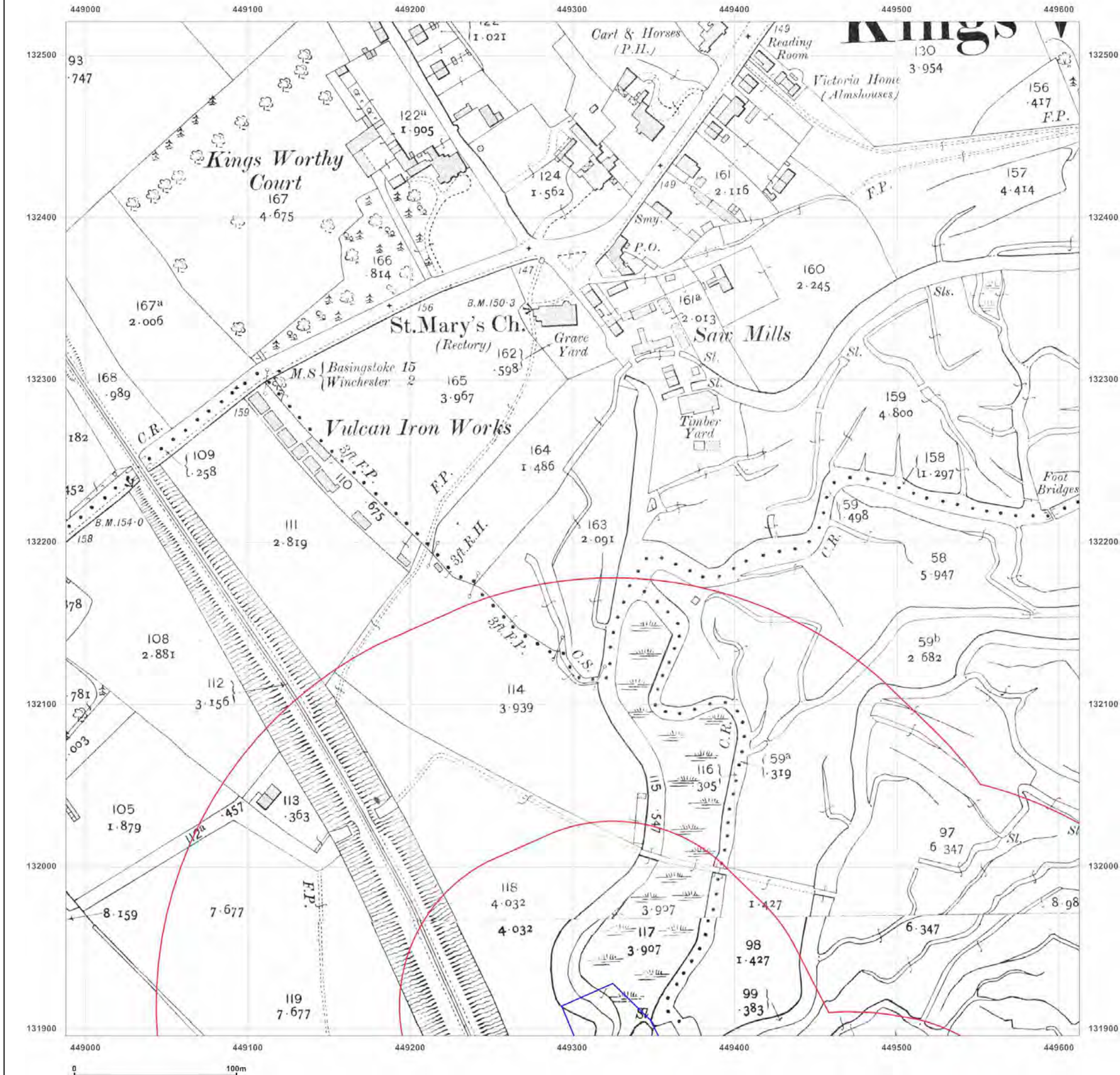
Client Ref: 33689-_M3J9-Site_2
Report Ref: GS-7137933_LS_1_5
Grid Ref: 449300, 132208

Map Name: County Series

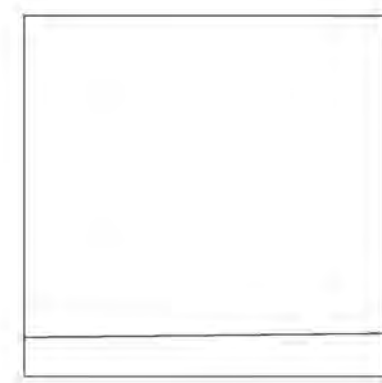
Map date: 1909

Scale: 1:2,500

Printed at: 1:2,500



Surveyed 1909
Revised 1909
Edition N/A
Copyright N/A
Levelled N/A



Surveyed 1909
Revised 1909
Edition N/A
Copyright N/A
Levelled N/A



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Production date: 07 October 2020

Map legend available at:

Site Details:

449969.3362893146,
131042.05233653993

Client Ref: 33689-_M3J9-Site_2
Report Ref: GS-7137933_LS_1_5
Grid Ref: 449300, 132208

Map Name: National Grid

Map date: 1962-1963

Scale: 1:2,500

Printed at: 1:2,500



Surveyed 1963
Revised 1963
Edition N/A
Copyright 1964
Levelled 1959

Surveyed 1962
Revised 1962
Edition N/A
Copyright 1963
Levelled 1959

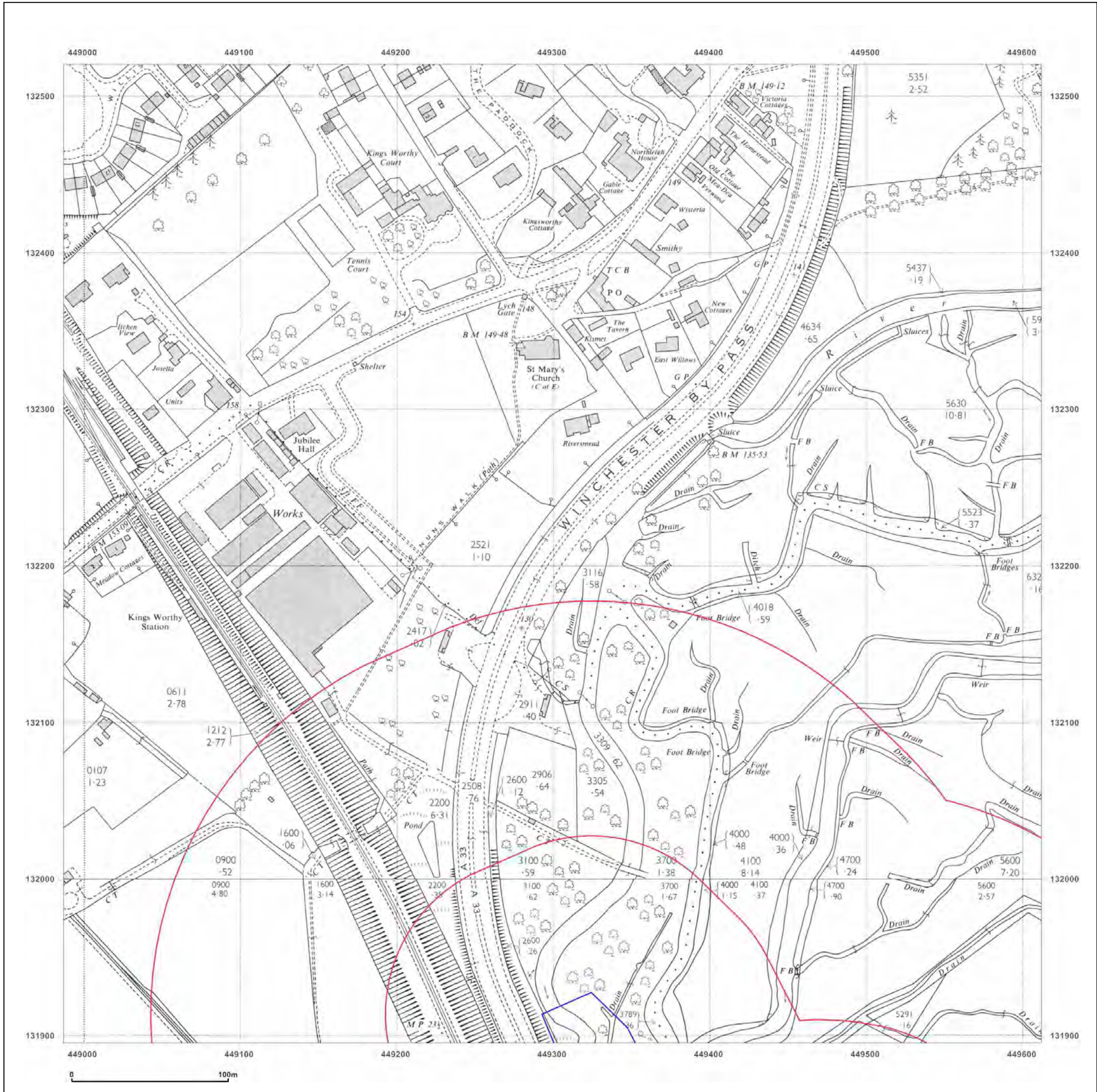


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Production date: 07 October 2020

Map legend available at:



Site Details:

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131042.05233653993

Client Ref: 33689-_M3J9-Site_2
Report Ref: GS-7137933_LS_1_5
Grid Ref: 449300, 132208

Map Name: National Grid

Map date: 1971-1975

Scale: 1:2,500

Printed at: 1:2,500



Surveyed 1971
Revised 1971
Edition N/A
Copyright 1971
Levelled 1959

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

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

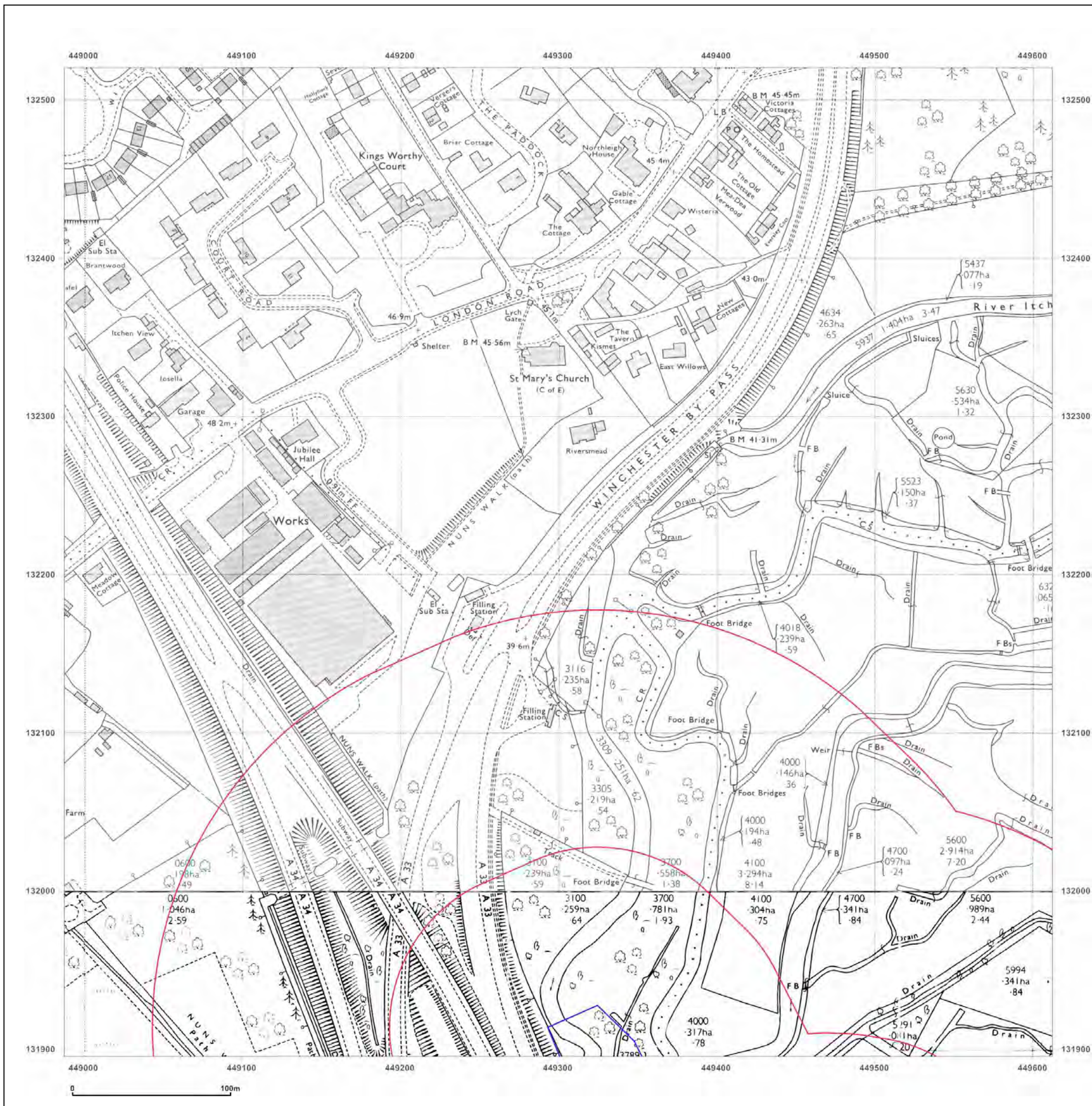


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Production date: 07 October 2020

Map legend available at:



Site Details:

449969.3362893146,
131042.05233653993

Client Ref: 33689_M3J9-Site_2
Report Ref: GS-7137933_LS_1_5
Grid Ref: 449300, 132208

Map Name: National Grid

Map date: 1978

Scale: 1:2,500

Printed at: 1:2,500



Surveyed 1978
Revised 1978
Edition N/A
Copyright 1981
Levelled 1959

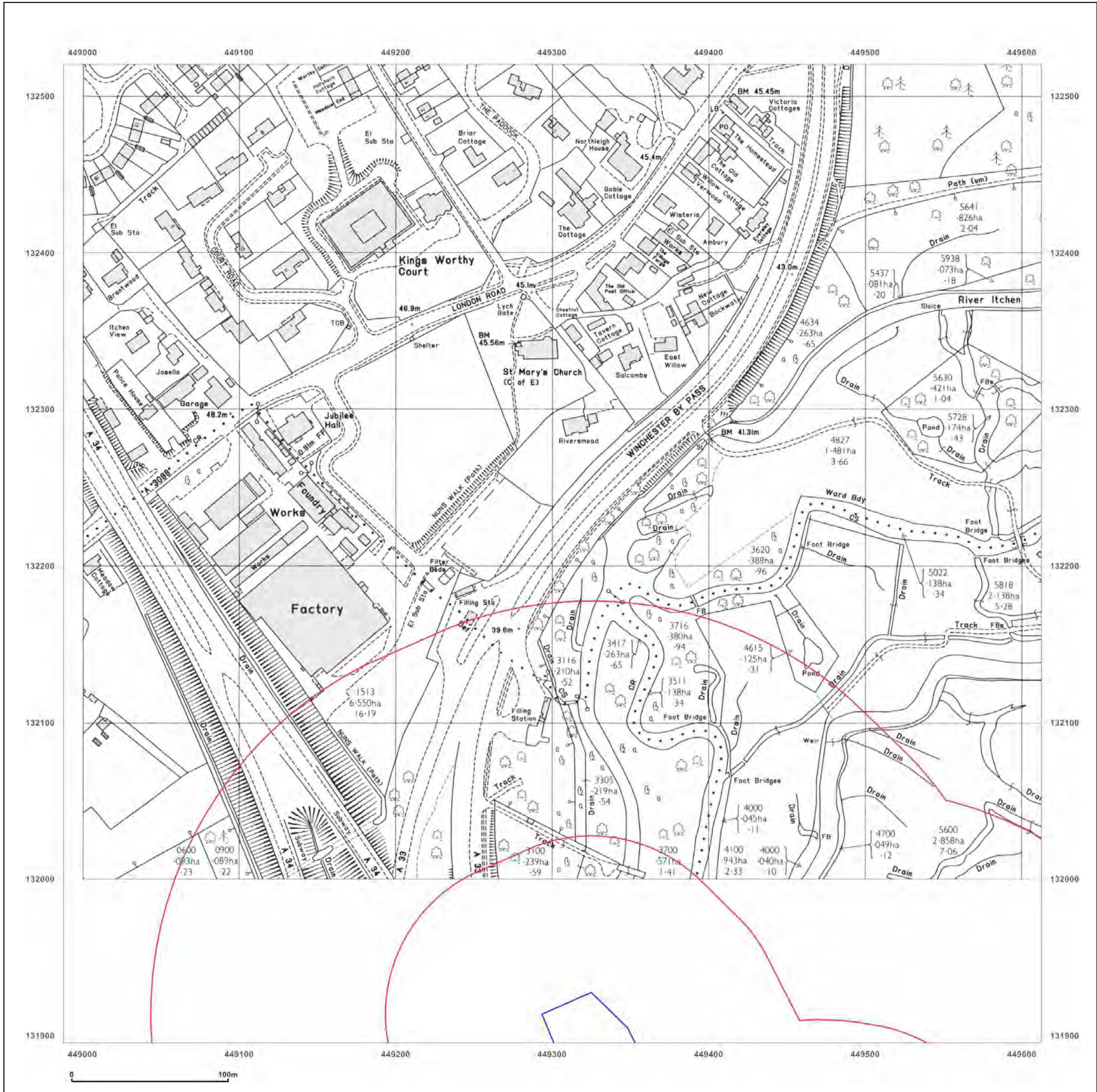


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Production date: 07 October 2020

Map legend available at:



Site Details:

449969.3362893146,
131042.05233653993

Client Ref: 33689-_M3J9-Site_2
Report Ref: GS-7137933_LS_1_5
Grid Ref: 449300, 132208

Map Name: National Grid

Map date: 1993

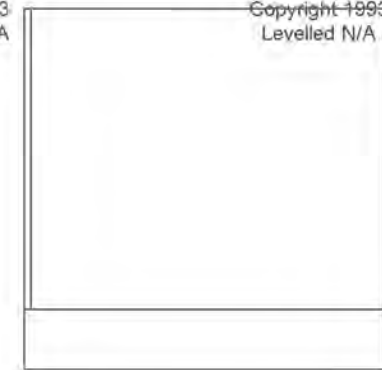
Scale: 1:2,500

Printed at: 1:2,500



Surveyed 1993
Revised N/A
Edition N/A
Copyright 1993
Levelled N/A

Surveyed 1993
Revised N/A
Edition N/A
Copyright 1993
Levelled N/A

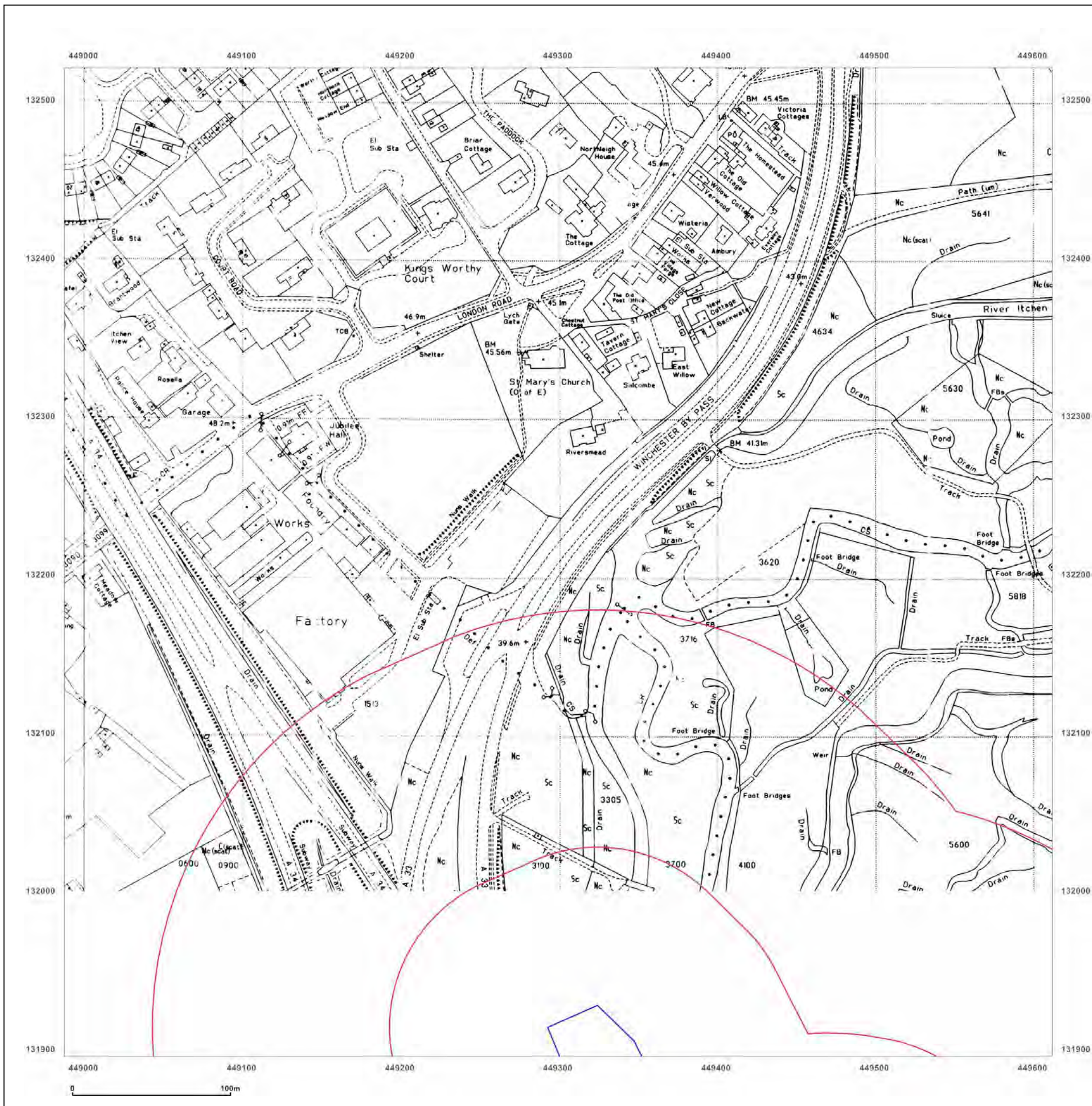


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Production date: 07 October 2020

Map legend available at:



Site Details:

449969.3362893146,
131042.05233653993

Client Ref: 33689_M3J9-Site_2
Report Ref: GS-7137933_LS_1_5
Grid Ref: 449300, 132208

Map Name: National Grid

Map date: 1988-1993

Scale: 1:2,500

Printed at: 1:2,500



Surveyed 1958
Revised 1988
Edition N/A
Copyright 1988
Levelled 1958

Surveyed 1959
Revised 1989
Edition N/A
Copyright 1989
Levelled 1959

Surveyed 1993
Revised 1993
Edition N/A
Copyright N/A
Levelled N/A



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Map legend available at:



Site Details:

449969.3362893146,
131042.05233653993

Client Ref: 33689-_M3J9-Site_2
Report Ref: GS-7137933_LS_2_1
Grid Ref: 449925, 129706

Map Name: County Series

Map date: 1870

Scale: 1:2,500

Printed at: 1:2,500



Surveyed 1870
Revised 1870
Edition N/A
Copyright N/A
Levelled N/A

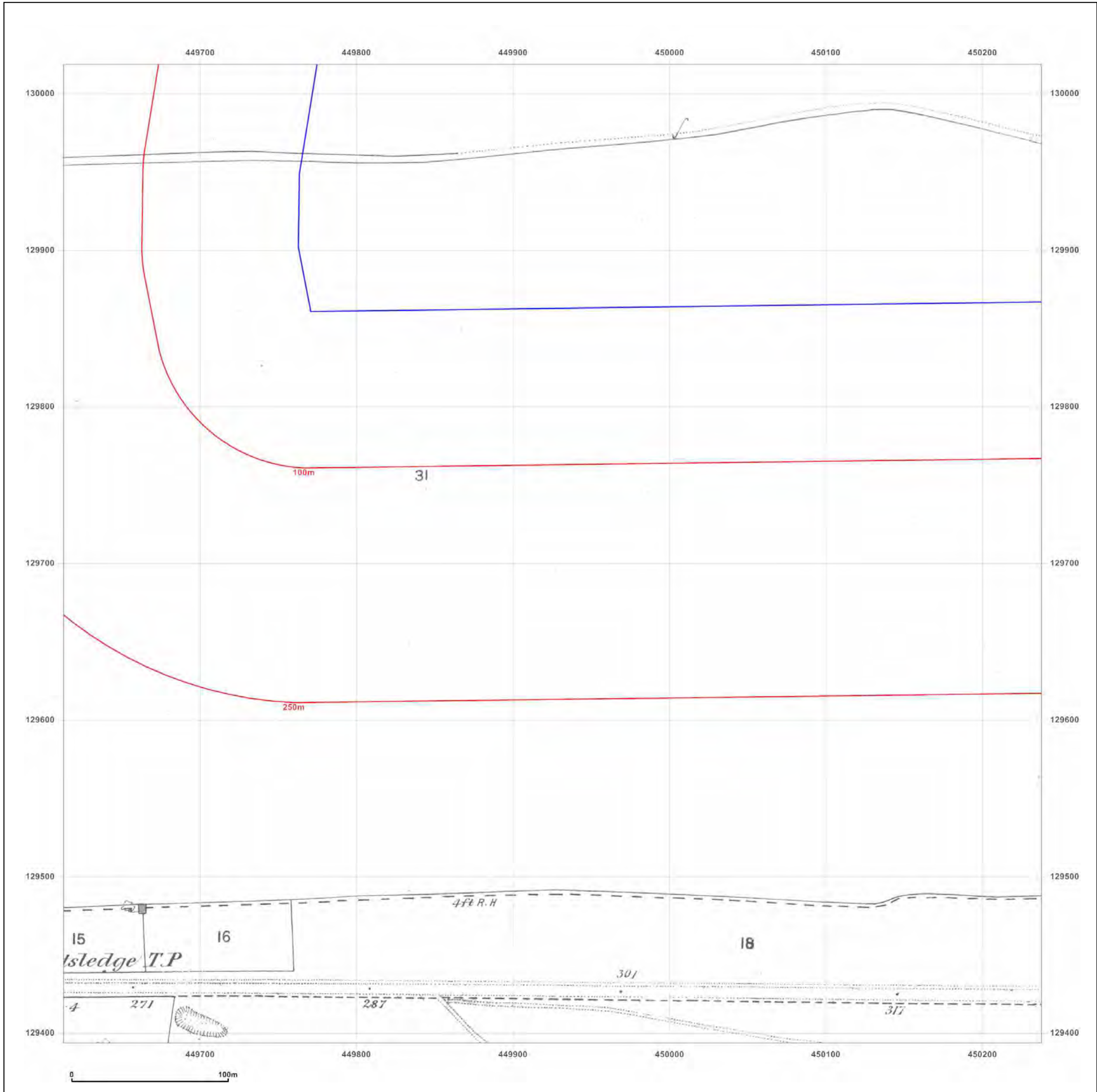


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Production date: 07 October 2020

Map legend available at:



Site Details:

449969.3362893146,
131042.05233653993

Client Ref: 33689-_M3J9-Site_2
Report Ref: GS-7137933_LS_2_1
Grid Ref: 449925, 129706

Map Name: County Series

Map date: 1896

Scale: 1:2,500

Printed at: 1:2,500



Surveyed 1896
Revised 1896
Edition N/A
Copyright N/A
Levelled N/A

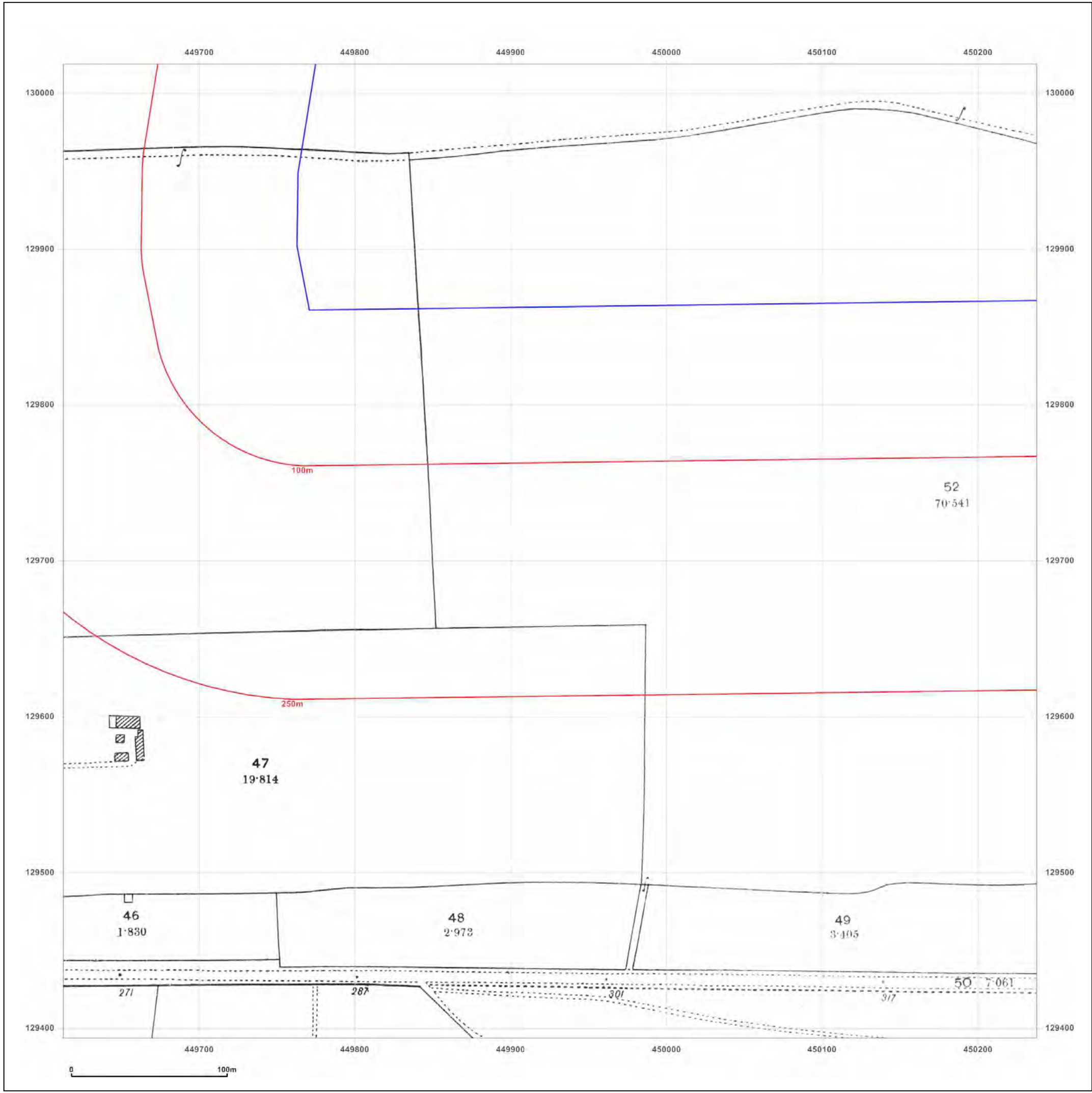


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Production date: 07 October 2020

Map legend available at:



Site Details:

449969.3362893146,
131042.05233653993

Client Ref: 33689-_M3J9-Site_2
Report Ref: GS-7137933_LS_2_1
Grid Ref: 449925, 129706

Map Name: County Series

Map date: 1909

Scale: 1:2,500

Printed at: 1:2,500



Surveyed 1909
Revised 1909
Edition N/A
Copyright N/A
Levelled N/A

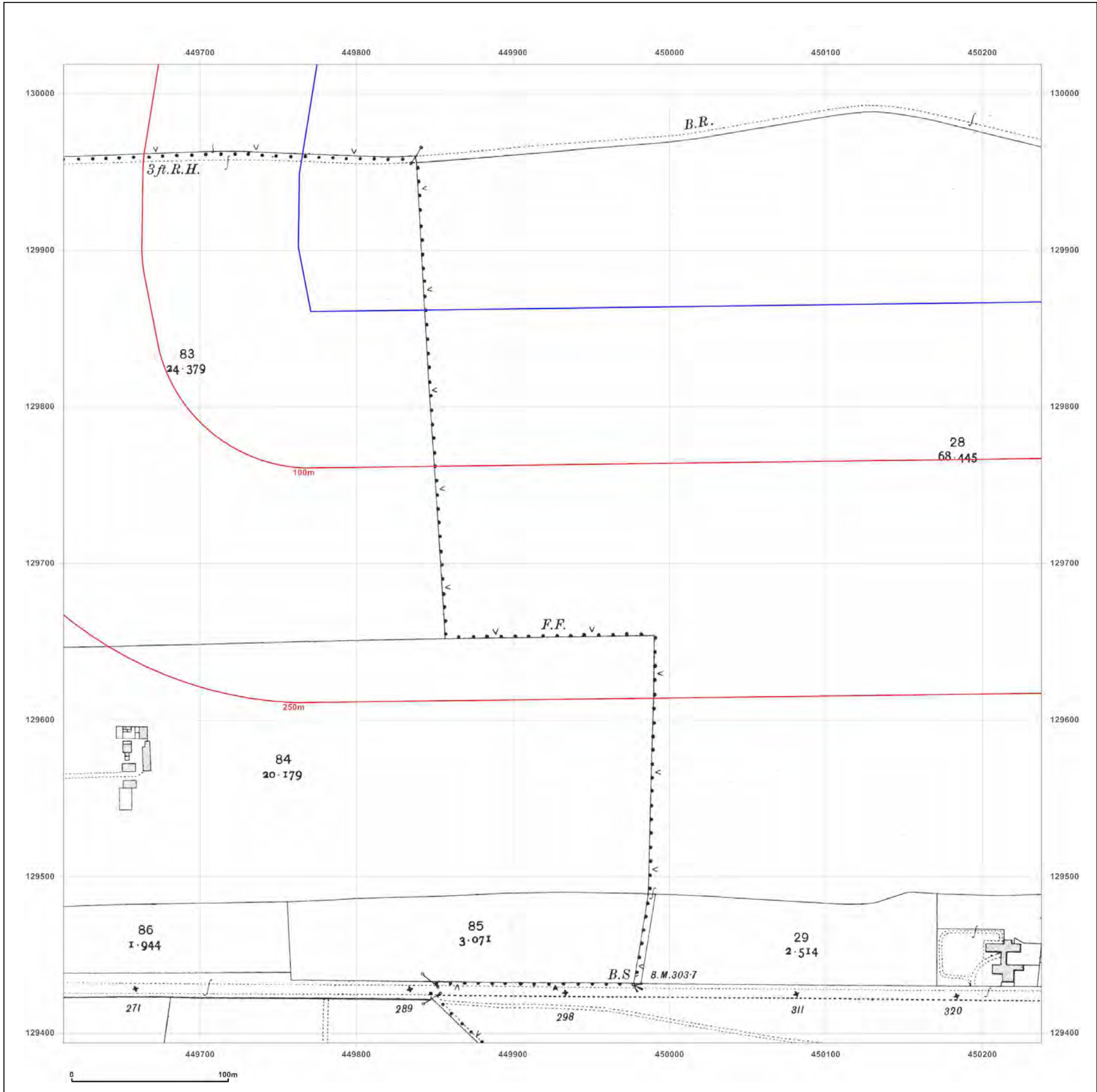


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Map legend available at:



Site Details:

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131042.05233653993

Client Ref: 33689-_M3J9-Site_2
Report Ref: GS-7137933_LS_2_1
Grid Ref: 449925, 129706

Map Name: County Series

Map date: 1932

Scale: 1:2,500

Printed at: 1:2,500



Surveyed 1932
Revised 1932
Edition N/A
Copyright N/A
Levelled N/A

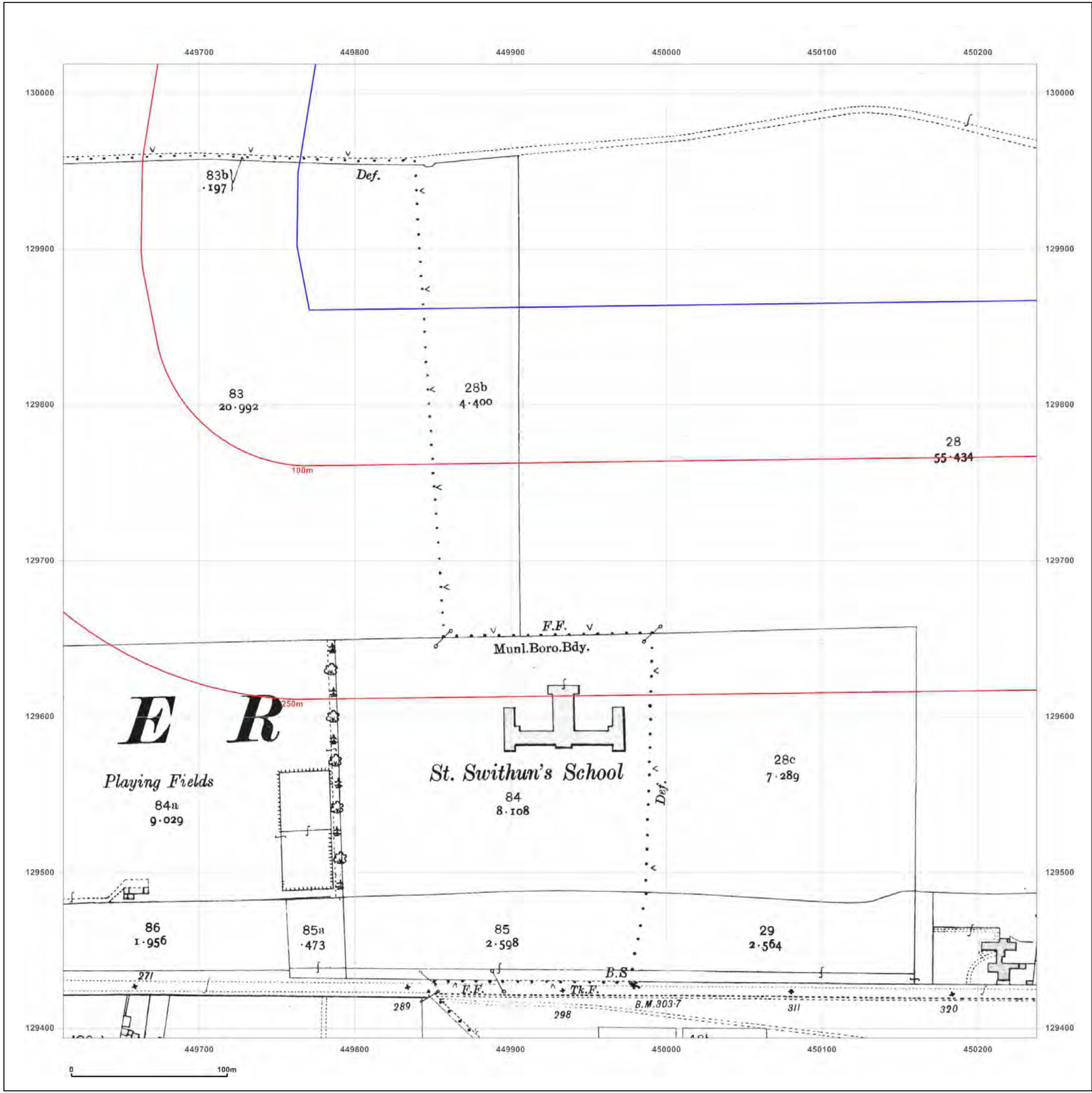


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Production date: 07 October 2020

Map legend available at:



Site Details:

449969.3362893146,
131042.05233653993

Client Ref: 33689-_M3J9-Site_2
Report Ref: GS-7137933_LS_2_1
Grid Ref: 449925, 129706

Map Name: County Series

Map date: 1939

Scale: 1:2,500

Printed at: 1:2,500



Surveyed 1939
Revised 1939
Edition N/A
Copyright N/A
Levelled N/A

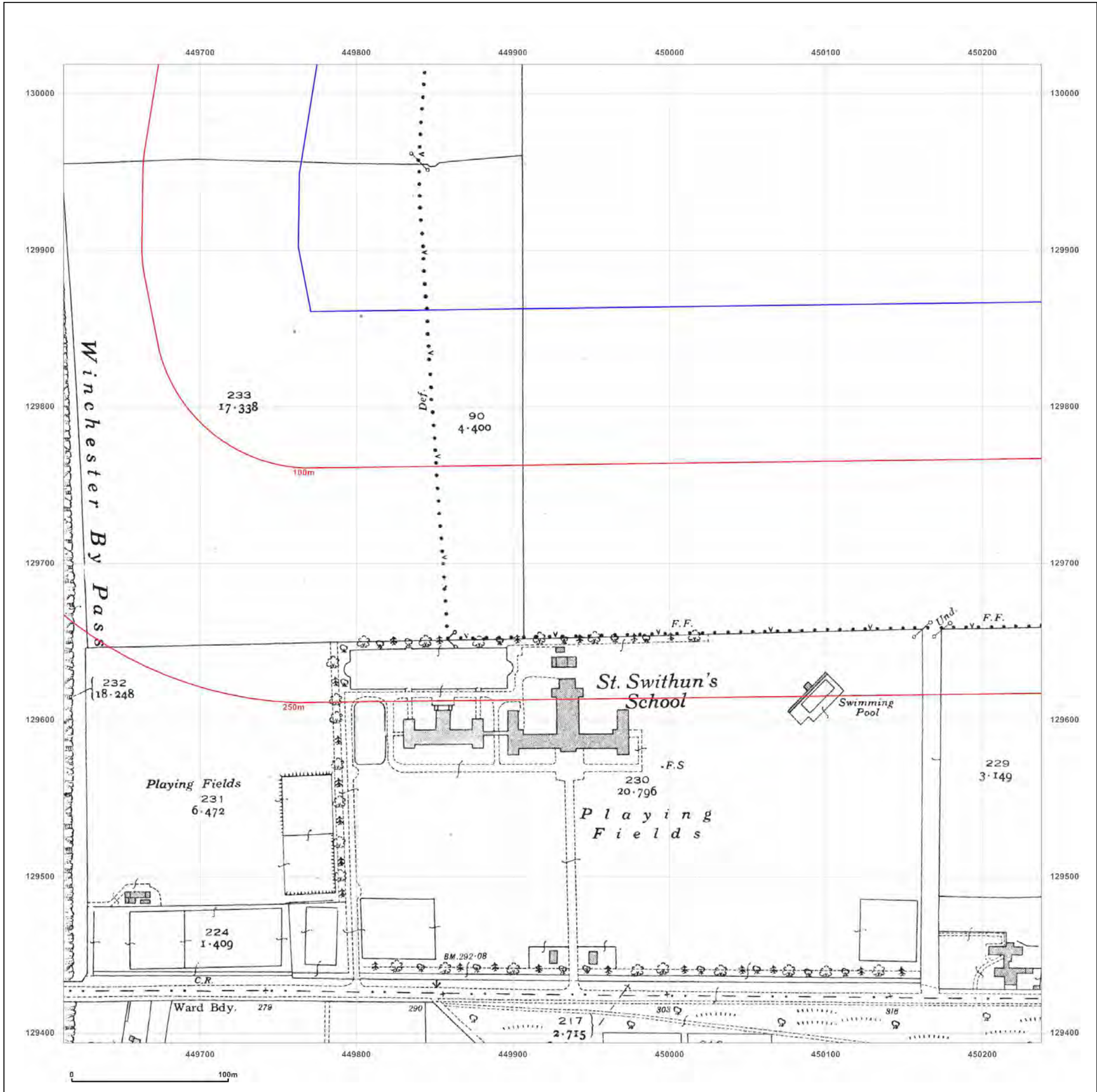


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Map legend available at:



Site Details:

449969.3362893146,
131042.05233653993

Client Ref: 33689-_M3J9-Site_2
Report Ref: GS-7137933_LS_2_1
Grid Ref: 449925, 129706

Map Name: National Grid

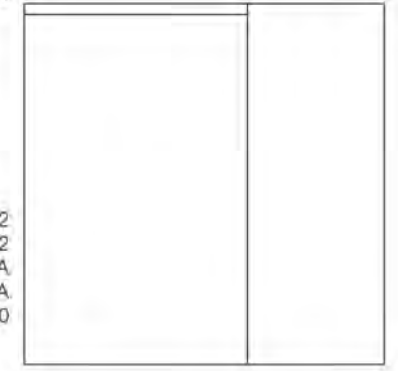
Map date: 1952

Scale: 1:2,500

Printed at: 1:2,500



Surveyed 1952
Revised 1952
Edition N/A
Copyright N/A
Levelled 1940



Surveyed 1952
Revised 1952
Edition N/A
Copyright N/A
Levelled 1940

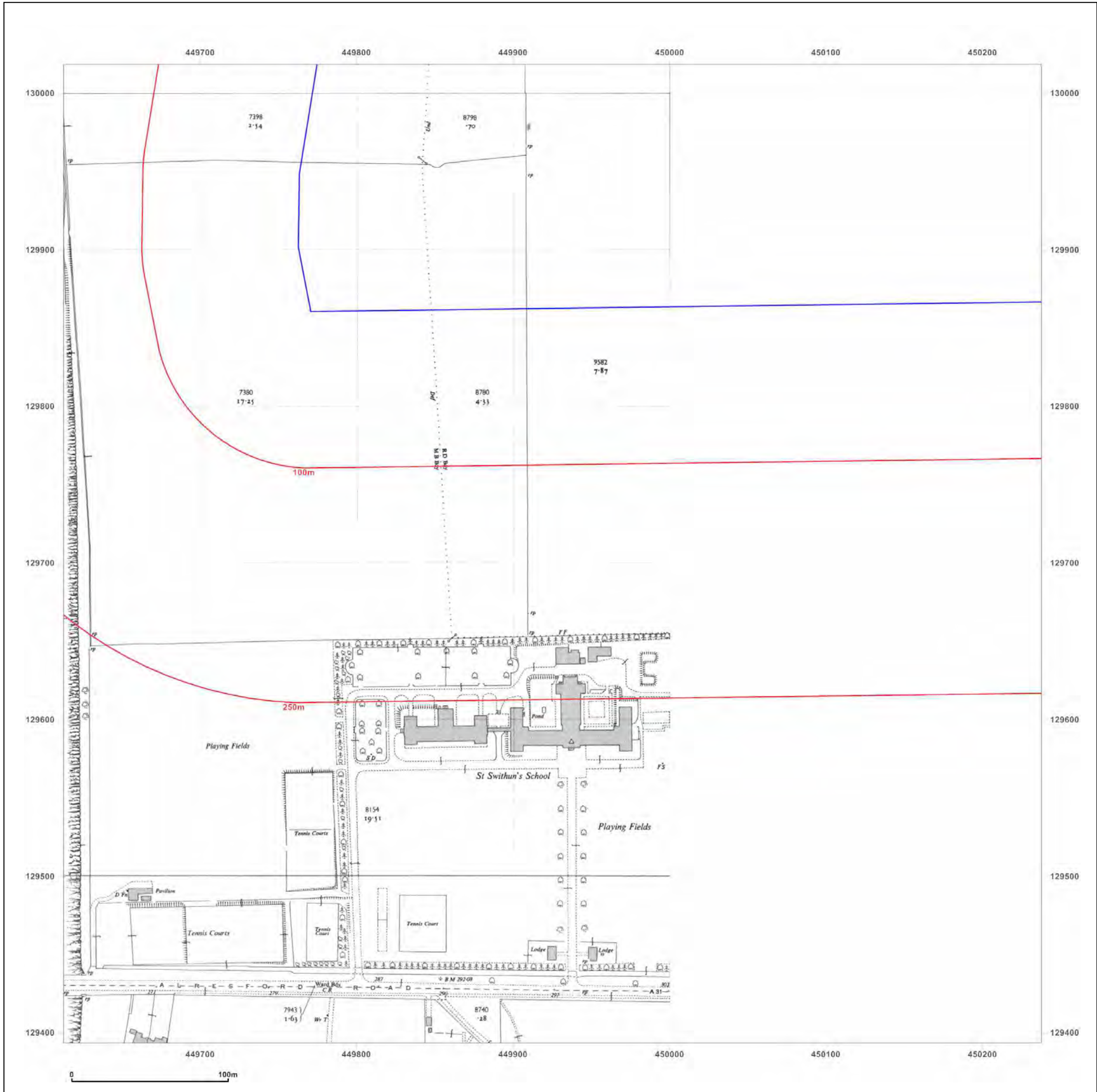


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Map legend available at:



Site Details:

449969.3362893146,
131042.05233653993

Client Ref: 33689-_M3J9-Site_2
Report Ref: GS-7137933_LS_2_1
Grid Ref: 449925, 129706

Map Name: National Grid

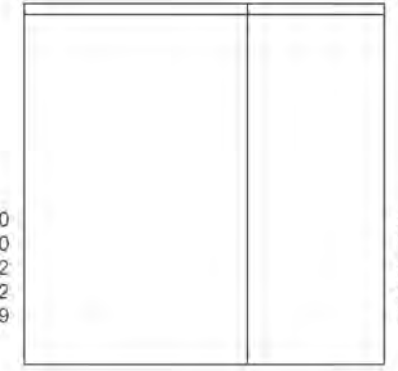
Map date: 1960-1962

Scale: 1:2,500

Printed at: 1:2,500



Surveyed 1962
Revised 1962
Edition N/A
Copyright 1963
Levelled 1959



Surveyed 1960
Revised 1960
Edition 1962
Copyright 1962
Levelled 1959

Surveyed 1962
Revised 1962
Edition N/A
Copyright 1963
Levelled 1959

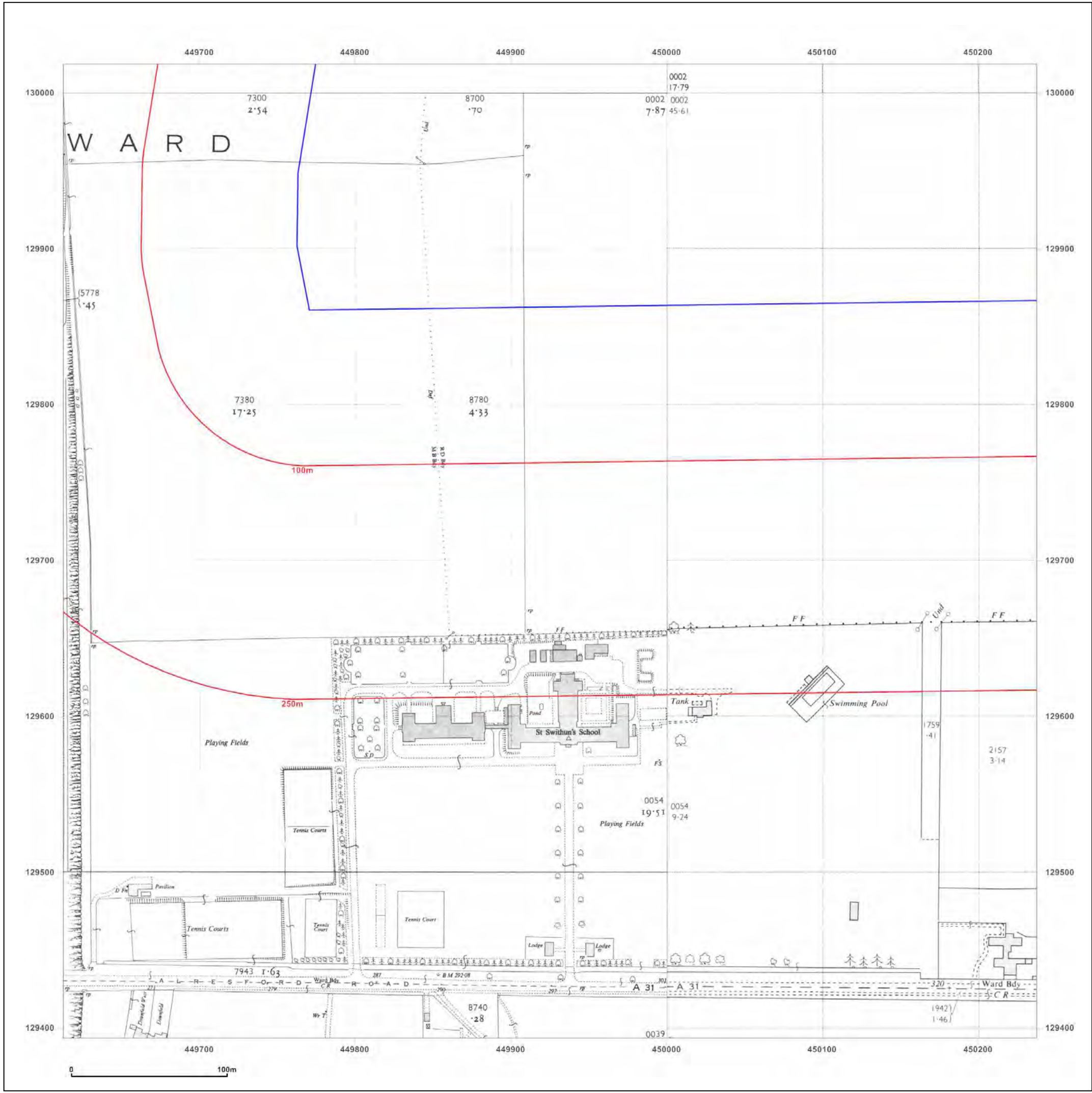


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Production date: 07 October 2020

Map legend available at:



Site Details:

449969.3362893146,
131042.05233653993

Client Ref: 33689-_M3J9-Site_2
Report Ref: GS-7137933_LS_2_1
Grid Ref: 44925, 129706

Map Name: National Grid

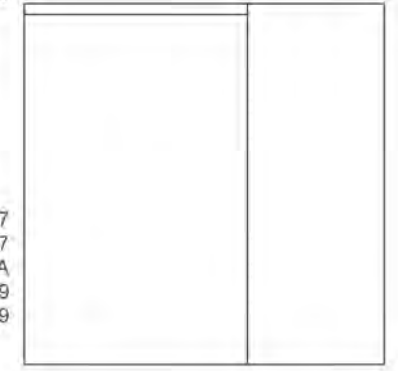
Map date: 1966-1967

Scale: 1:2,500

Printed at: 1:2,500



Surveyed 1966
Revised 1966
Edition N/A
Copyright 1968
Levelled 1959



Surveyed 1967
Revised 1967
Edition N/A
Copyright 1969
Levelled 1959

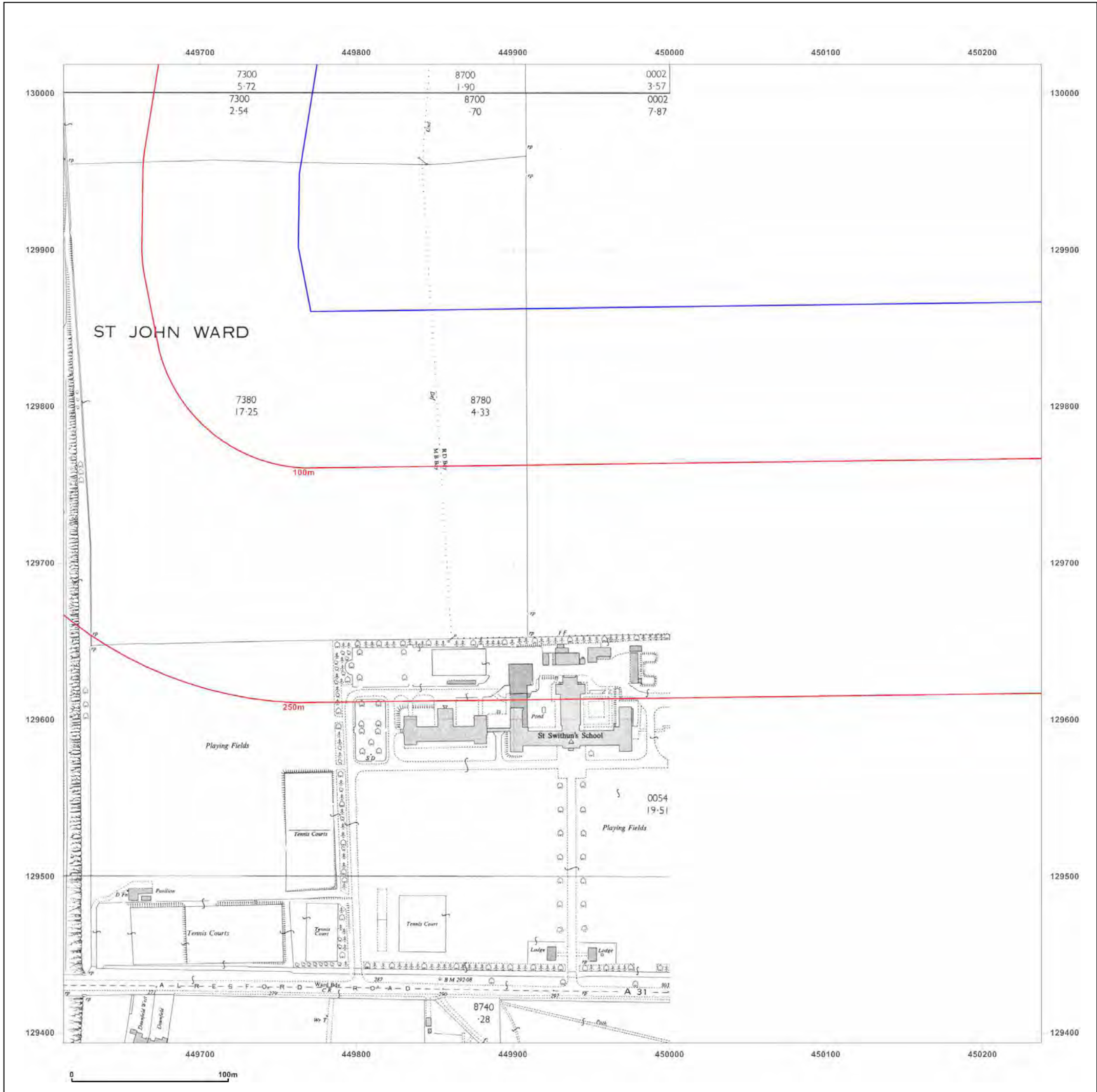


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Map legend available at:



Site Details:

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131042.05233653993

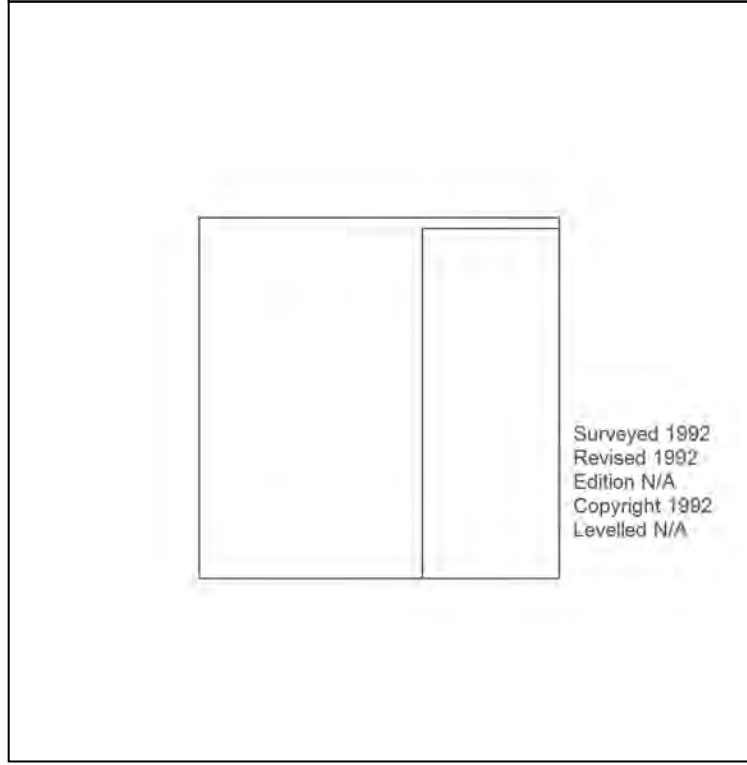
Client Ref: 33689-_M3J9-Site_2
Report Ref: GS-7137933_LS_2_1
Grid Ref: 449925, 129706

Map Name: National Grid

Map date: 1992

Scale: 1:2,500

Printed at: 1:2,500



Surveyed 1992
Revised 1992
Edition N/A
Copyright 1992
Levelled N/A



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Production date: 07 October 2020

Map legend available at:

Site Details:

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131042.05233653993

Client Ref: 33689-_M3J9-Site_2
Report Ref: GS-7137933_LS_2_1
Grid Ref: 449925, 129706

Map Name: National Grid

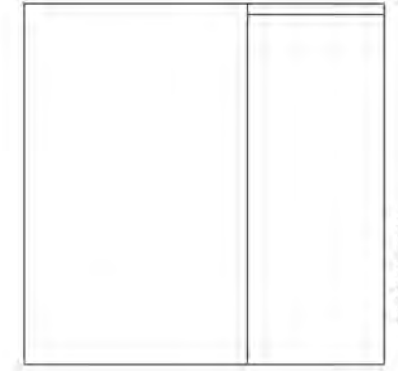
Map date: 1994

Scale: 1:2,500

Printed at: 1:2,500



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



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

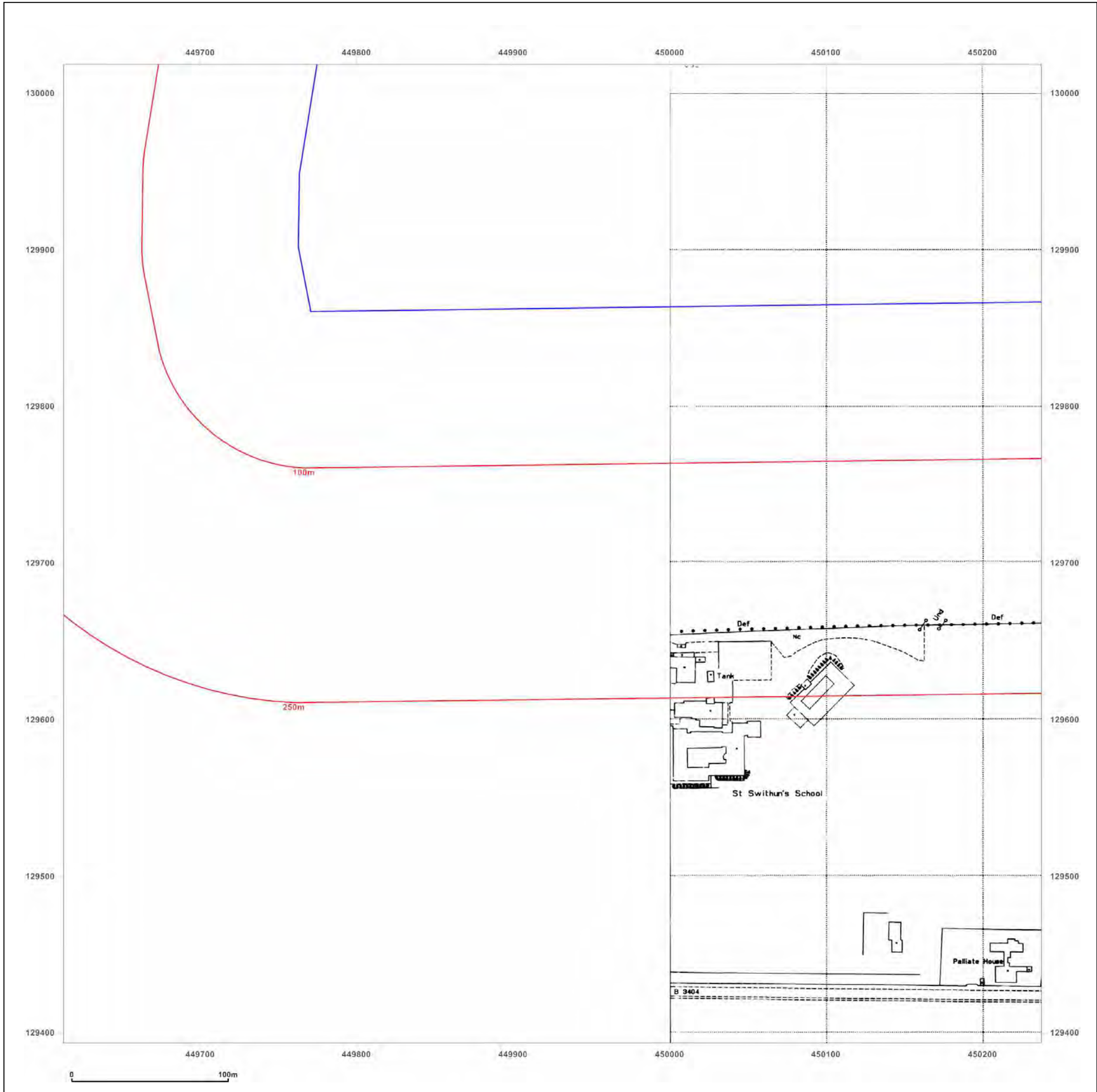


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Production date: 07 October 2020

Map legend available at:



Site Details:

449969.3362893146,
131042.05233653993

Client Ref: 33689-_M3J9-Site_2
Report Ref: GS-7137933_LS_2_2
Grid Ref: 449925, 130331

Map Name: County Series

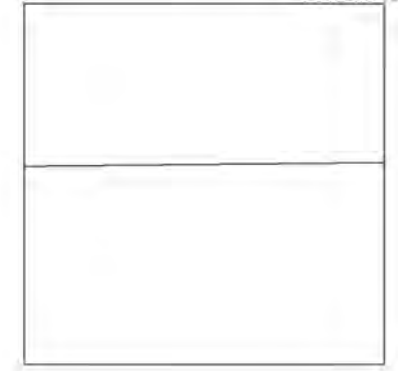
Map date: 1870

Scale: 1:2,500

Printed at: 1:2,500



Surveyed 1870
Revised 1870
Edition N/A
Copyright N/A
Levelled N/A

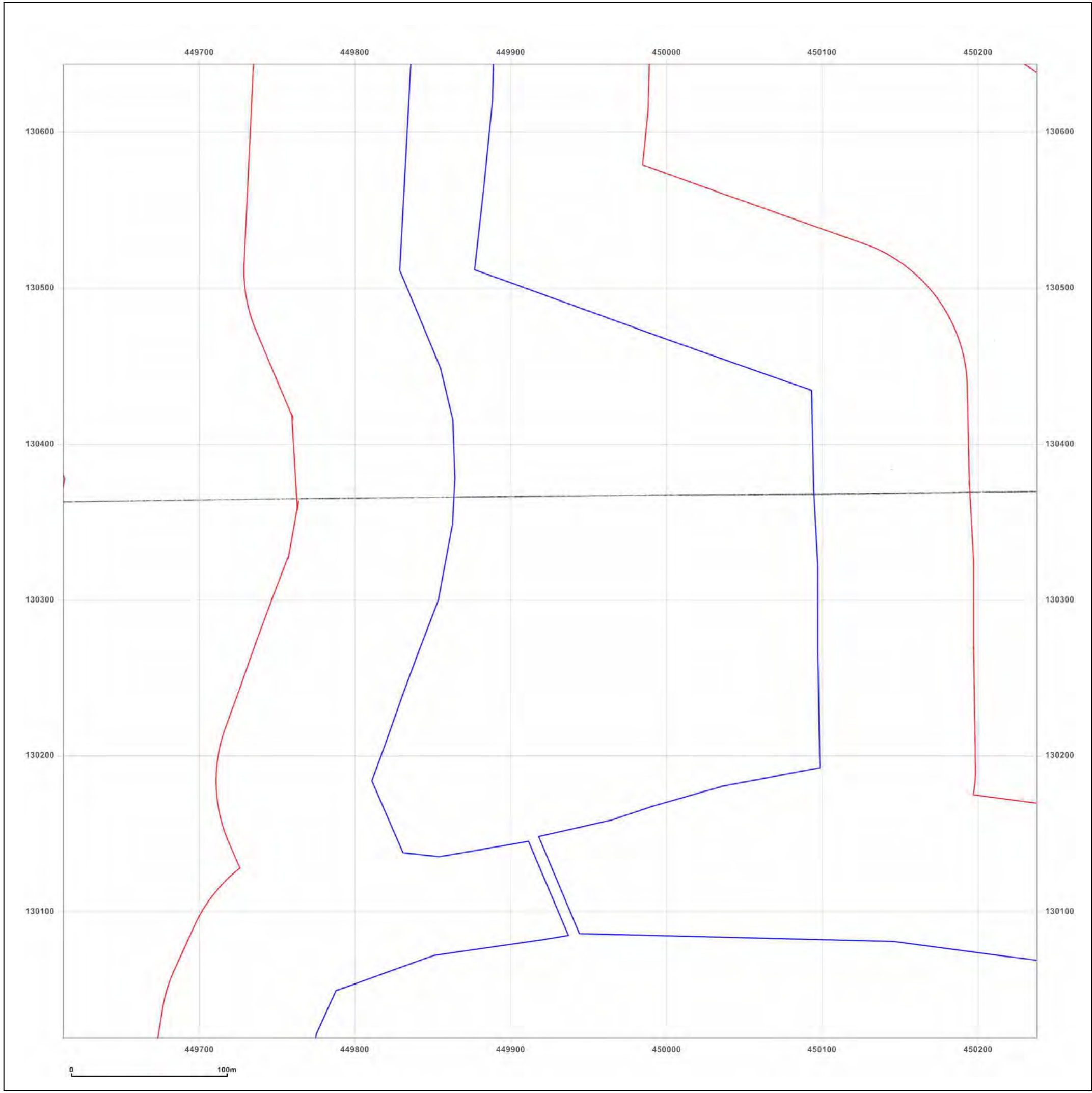


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Production date: 07 October 2020

Map legend available at:



Site Details:

449969.3362893146,
131042.05233653993

Client Ref: 33689-_M3J9-Site_2
Report Ref: GS-7137933_LS_2_2
Grid Ref: 449925, 130331

Map Name: County Series


Map date: 1869-1870

Scale: 1:2,500

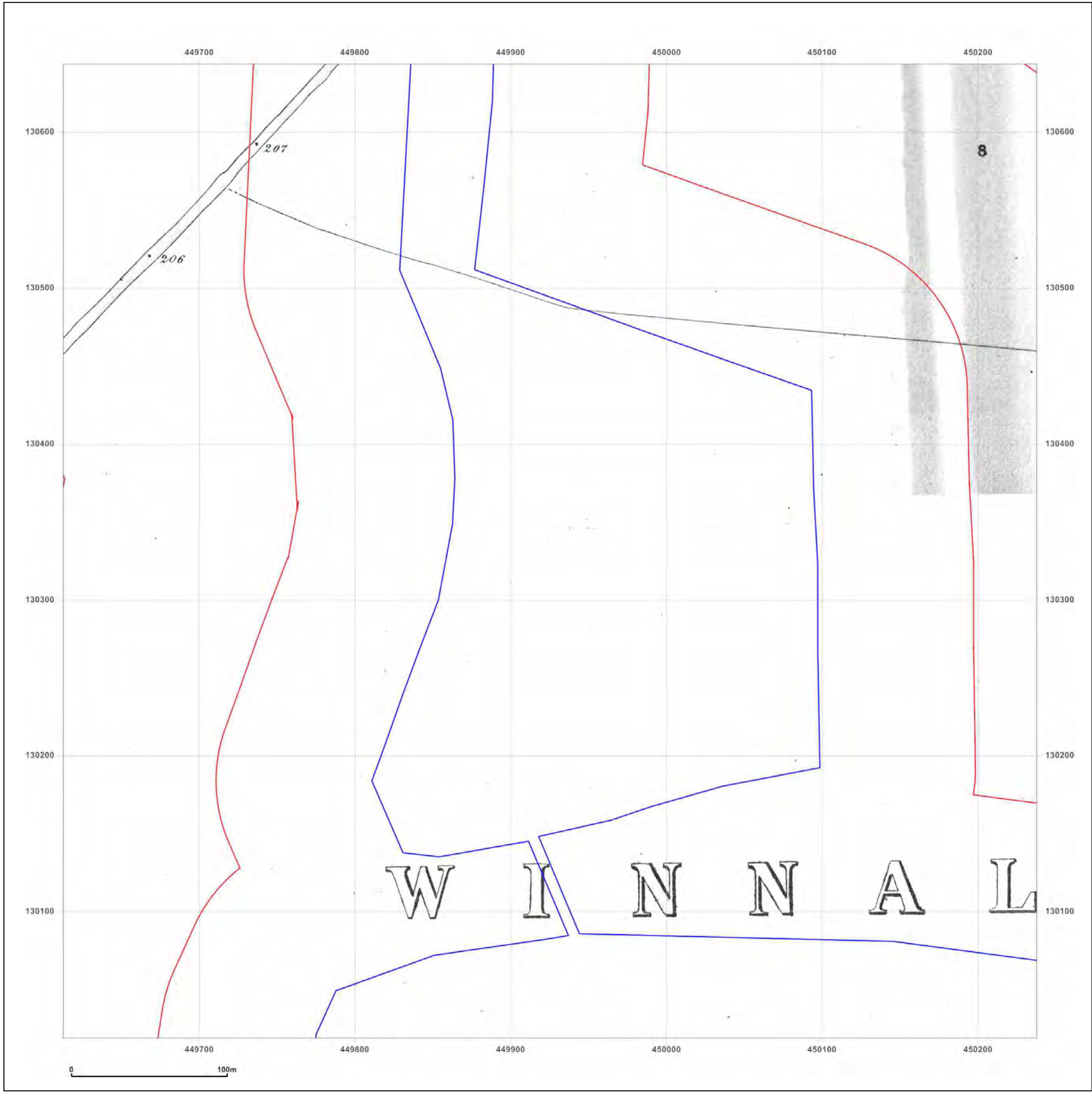
Printed at: 1:2,500



Surveyed 1869
Revised 1889
Edition N/A
Copyright N/A
Levelled N/A



Surveyed 1870
Revised 1870
Edition N/A
Copyright N/A
Levelled N/A



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Site Details:

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131042.05233653993

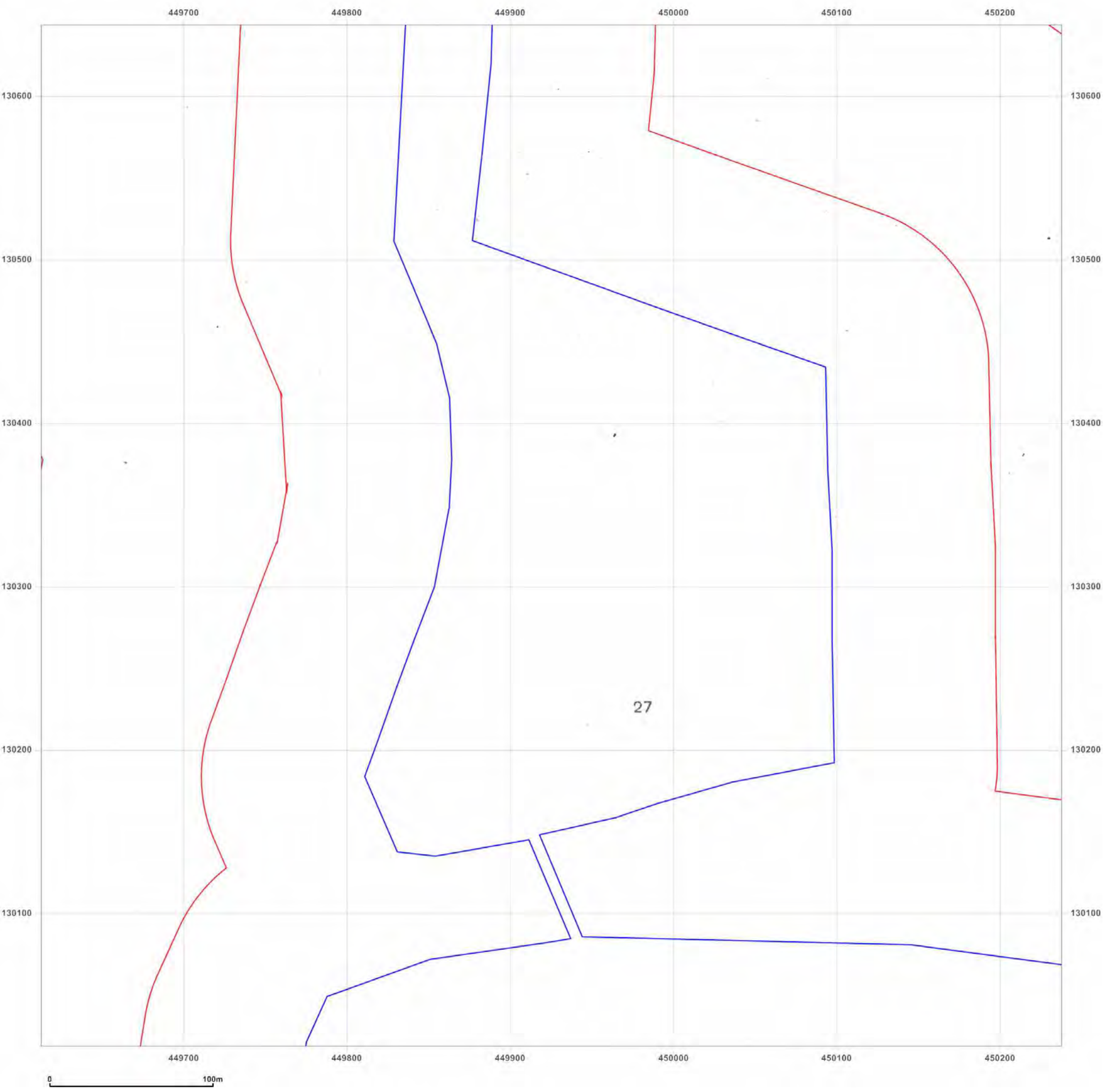
Client Ref: 33689-_M3J9-Site_2
Report Ref: GS-7137933_LS_2_2
Grid Ref: 449925, 130331

Map Name: County Series

Map date: 1870

Scale: 1:2,500

Printed at: 1:2,500



Surveyed 1870
Revised 1870
Edition N/A
Copyright N/A
Levelled N/A

Surveyed 1870
Revised 1870
Edition N/A
Copyright N/A
Levelled N/A



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Map legend available at:

Site Details:

449969.3362893146,
131042.05233653993

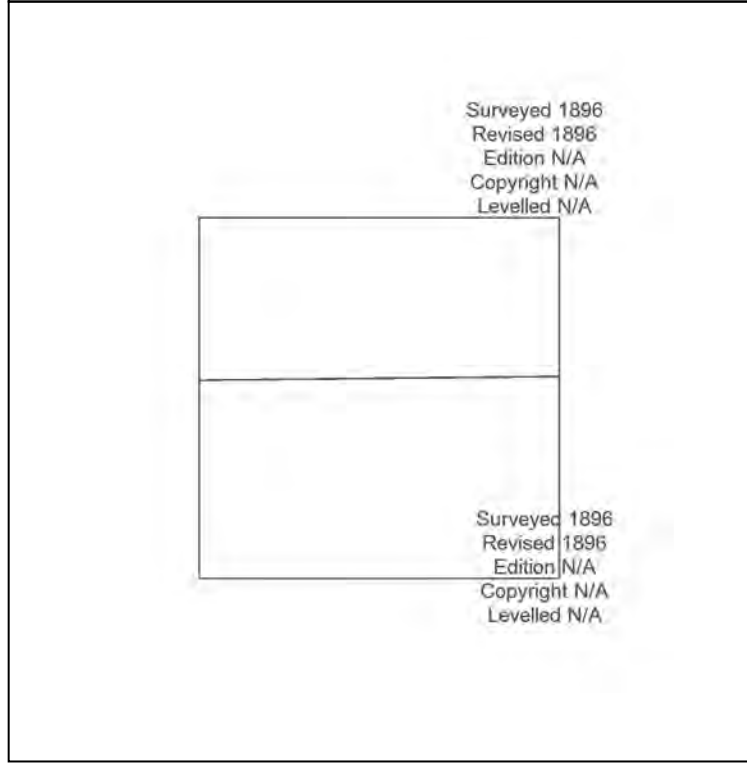
Client Ref: 33689-_M3J9-Site_2
Report Ref: GS-7137933_LS_2_2
Grid Ref: 449925, 130331

Map Name: County Series

Map date: 1896

Scale: 1:2,500

Printed at: 1:2,500

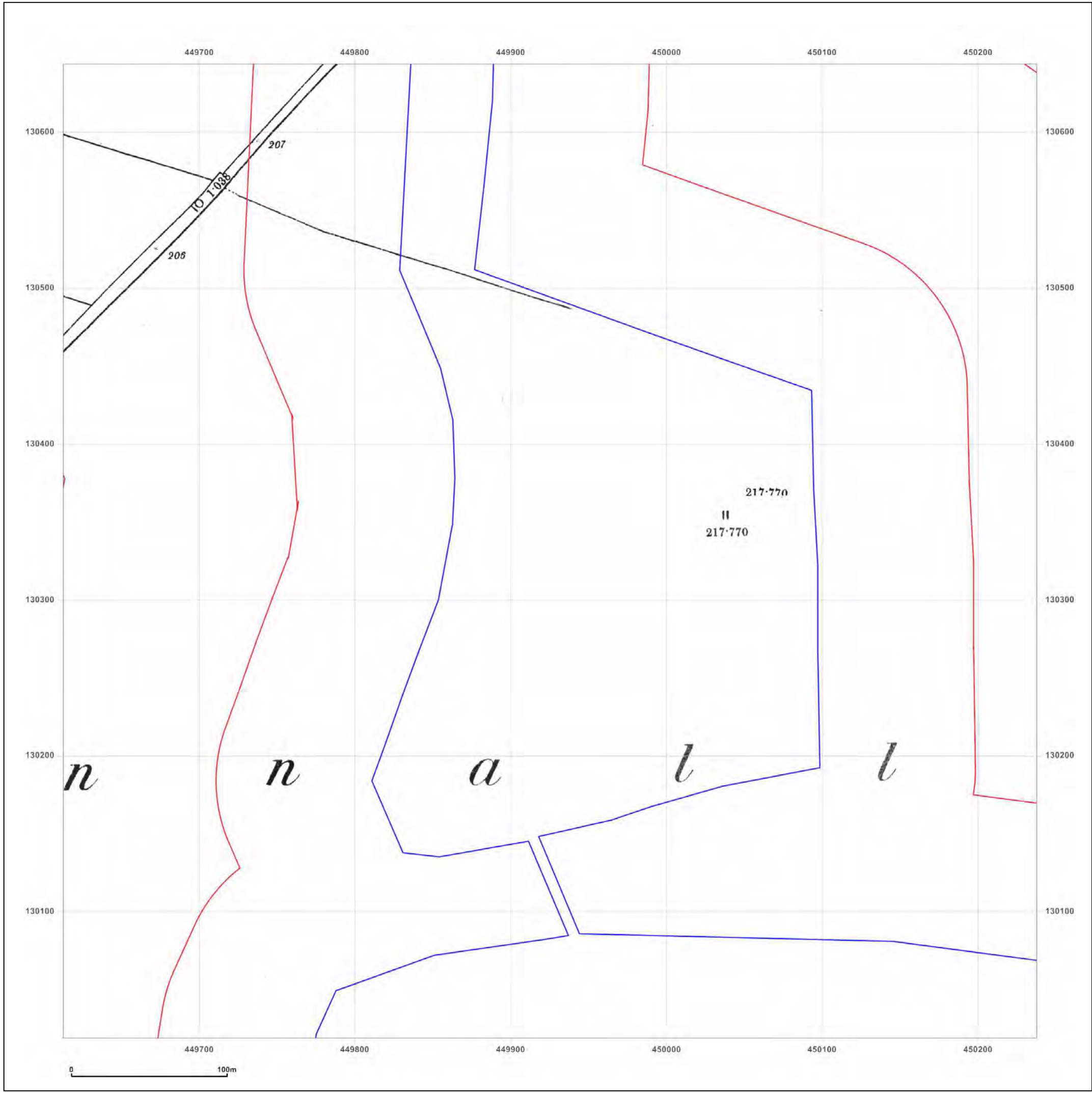


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Map legend available at:



Site Details:

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131042.05233653993

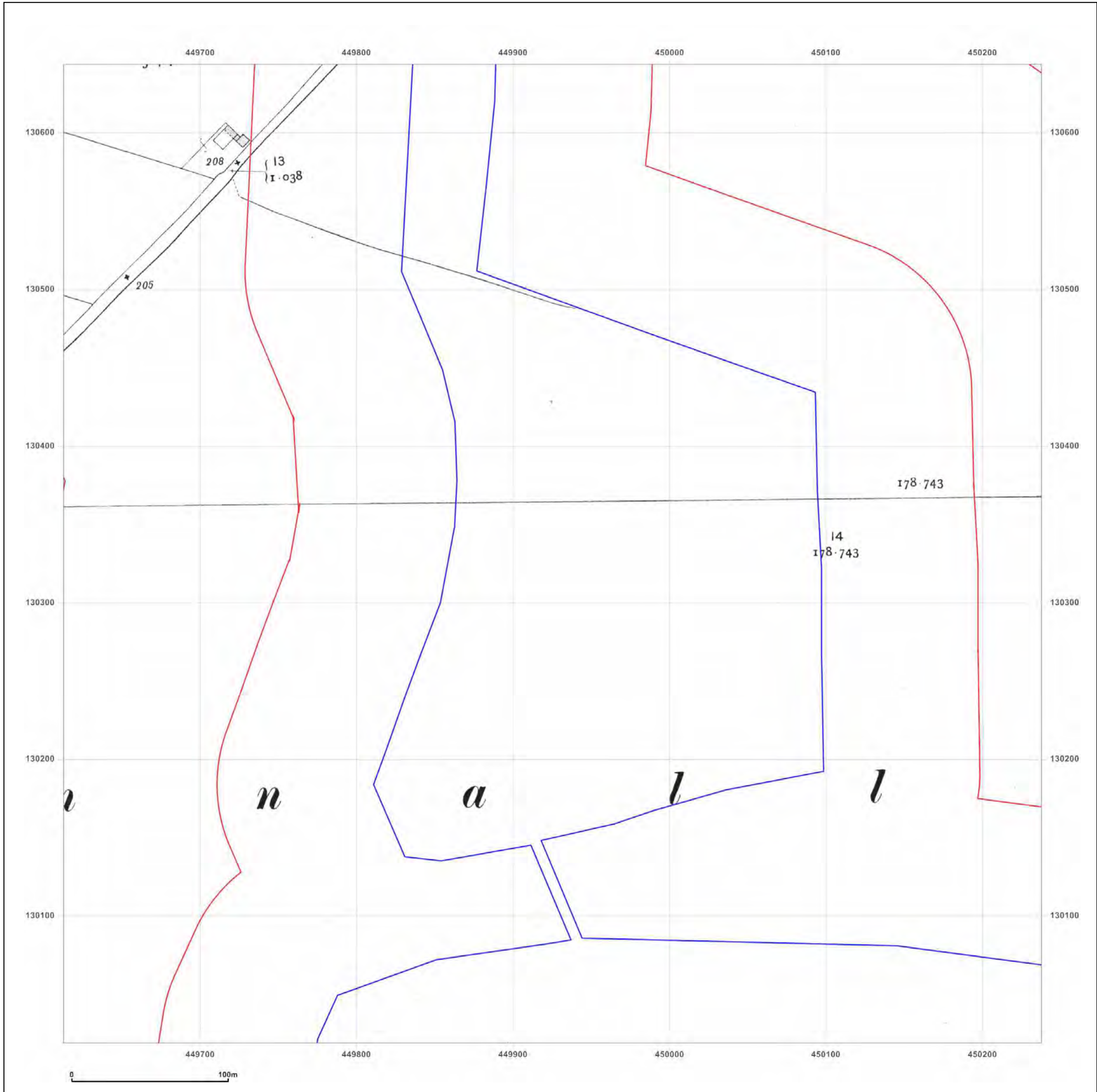
Client Ref: 33689-_M3J9-Site_2
Report Ref: GS-7137933_LS_2_2
Grid Ref: 449925, 130331

Map Name: County Series

Map date: 1909

Scale: 1:2,500

Printed at: 1:2,500



Surveyed 1909
Revised 1909
Edition N/A
Copyright N/A
Levelled N/A

Surveyed 1909
Revised 1909
Edition N/A
Copyright N/A
Levelled N/A



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Production date: 07 October 2020

Map legend available at:

Site Details:

449969.3362893146,
131042.05233653993

Client Ref: 33689-_M3J9-Site_2
Report Ref: GS-7137933_LS_2_2
Grid Ref: 449925, 130331

Map Name: County Series

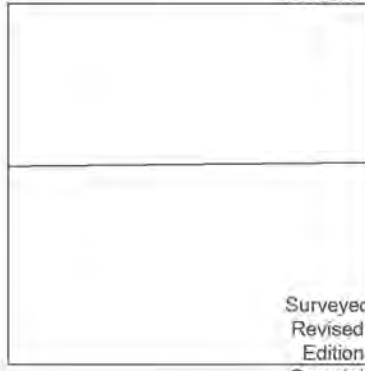
Map date: 1932

Scale: 1:2,500

Printed at: 1:2,500



Surveyed 1932
Revised 1932
Edition N/A
Copyright N/A
Levelled N/A



Surveyed 1932
Revised 1932
Edition N/A
Copyright N/A
Levelled N/A

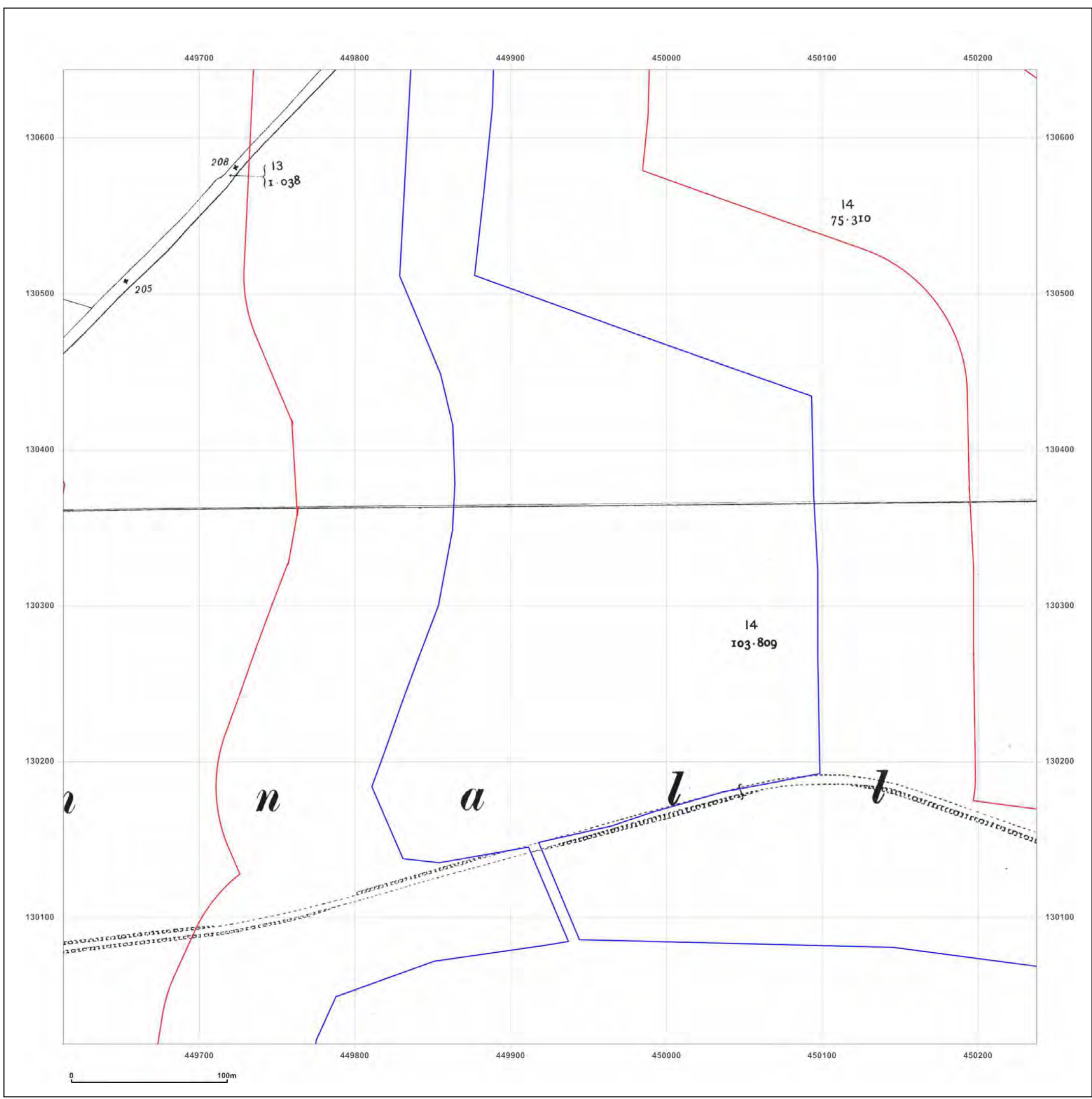


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Production date: 07 October 2020

Map legend available at:



Site Details:

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131042.05233653993

Client Ref: 33689-_M3J9-Site_2
Report Ref: GS-7137933_LS_2_2
Grid Ref: 449925, 130331

Map Name: County Series

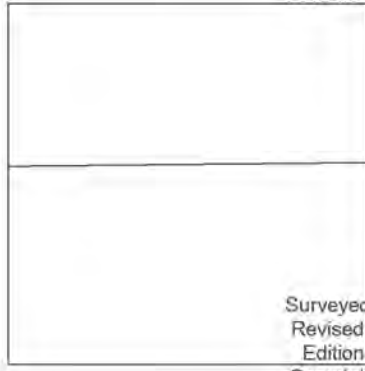
Map date: 1939

Scale: 1:2,500

Printed at: 1:2,500



Surveyed 1939
 Revised 1939
 Edition N/A
 Copyright N/A
 Levelled N/A



Surveyed 1939
 Revised 1939
 Edition N/A
 Copyright N/A
 Levelled N/A

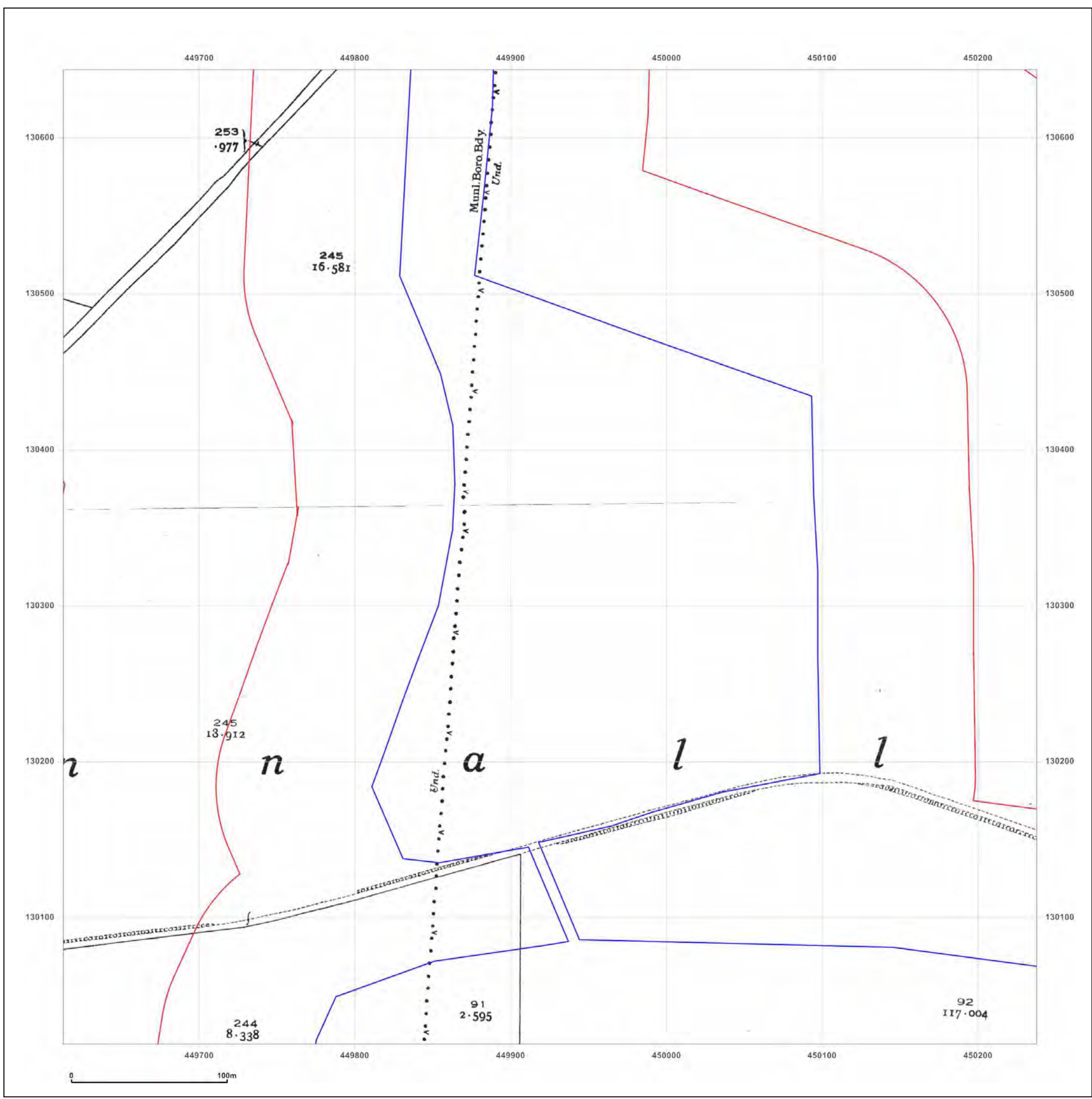


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Production date: 07 October 2020

Map legend available at:



Site Details:

449969.3362893146,
131042.05233653993

Client Ref: 33689-_M3J9-Site_2
Report Ref: GS-7137933_LS_2_2
Grid Ref: 449925, 130331

Map Name: National Grid

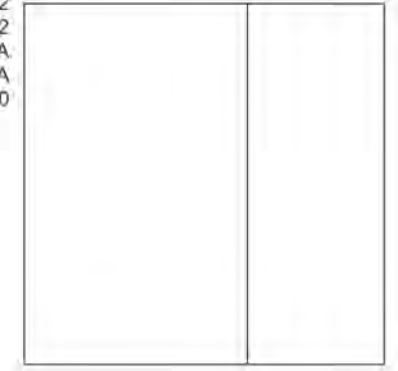
Map date: 1952

Scale: 1:2,500

Printed at: 1:2,500



Surveyed 1952
Revised 1952
Edition N/A
Copyright N/A
Levelled 1940

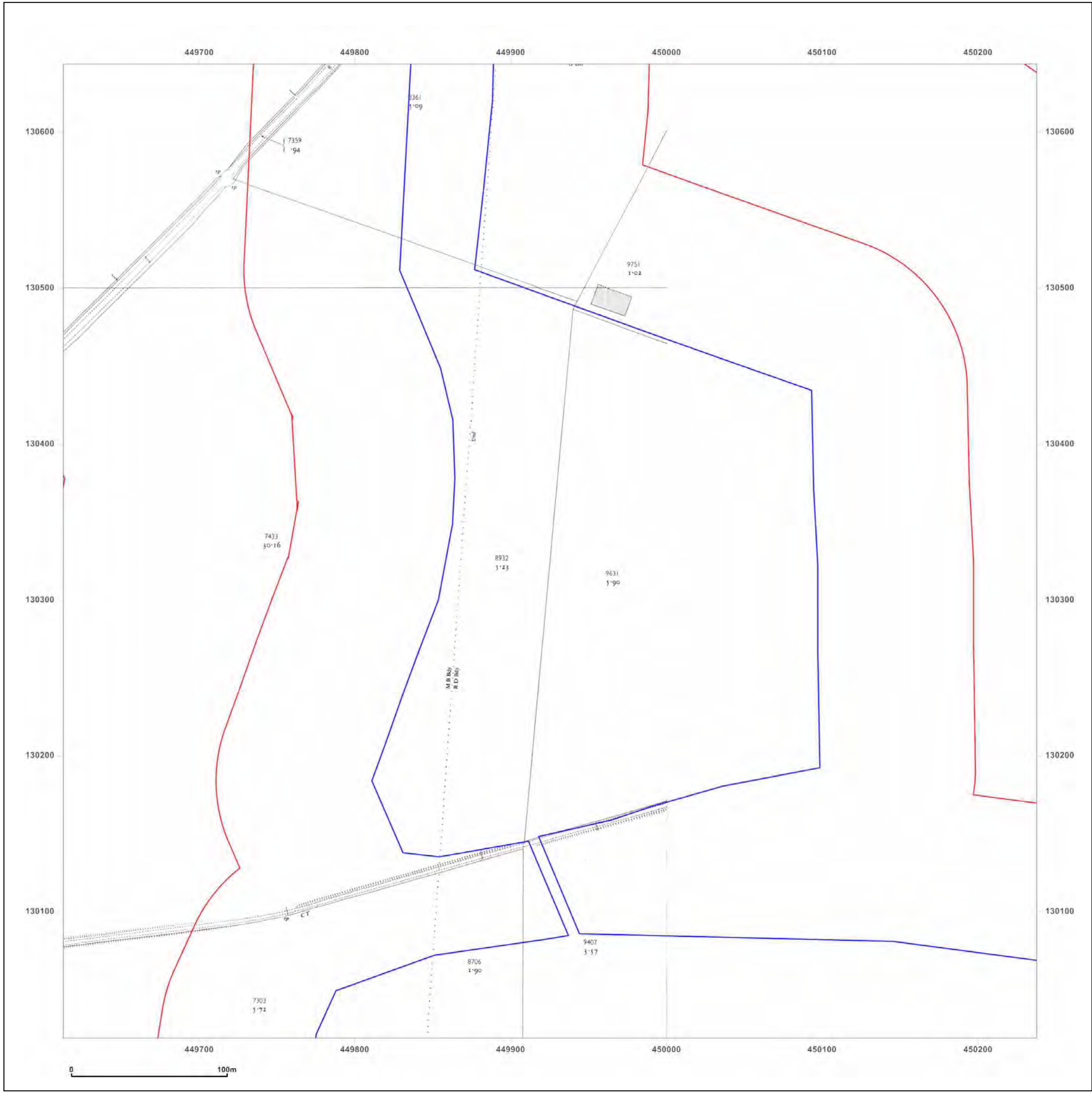


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Production date: 07 October 2020

Map legend available at:



Site Details:

449969.3362893146,
131042.05233653993

Client Ref: 33689-_M3J9-Site_2
Report Ref: GS-7137933_LS_2_2
Grid Ref: 449925, 130331

Map Name: National Grid

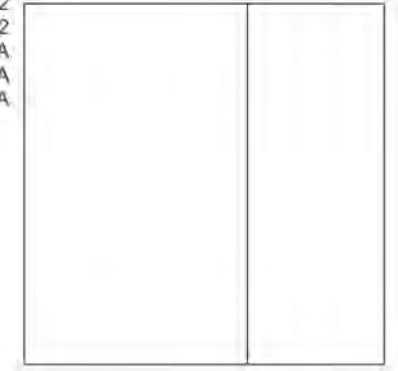
Map date: 1952

Scale: 1:2,500

Printed at: 1:2,500



Surveyed 1952
Revised 1952
Edition N/A
Copyright N/A
Levelled N/A

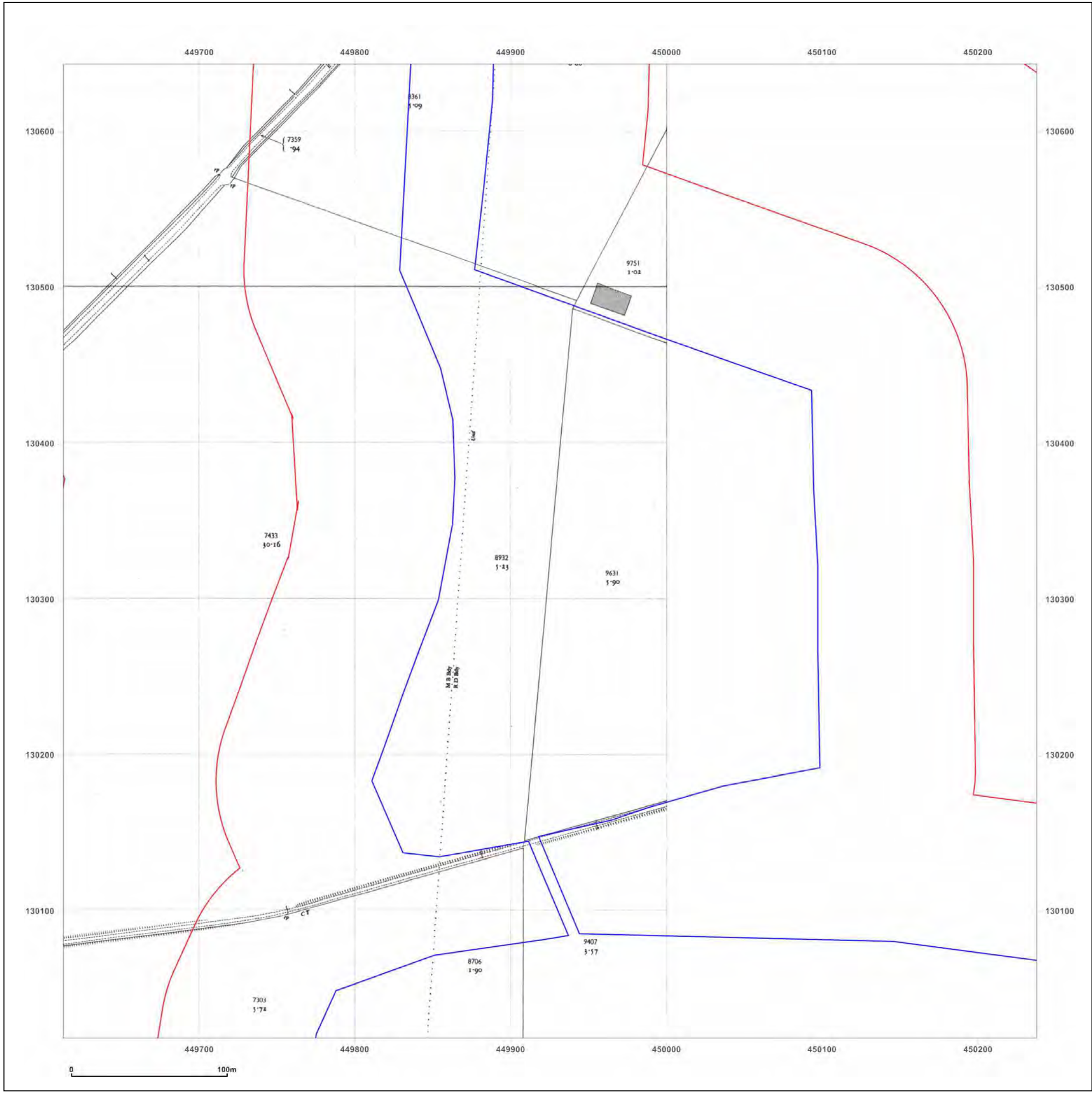


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Production date: 07 October 2020

Map legend available at:



Site Details:

449969.3362893146,
131042.05233653993

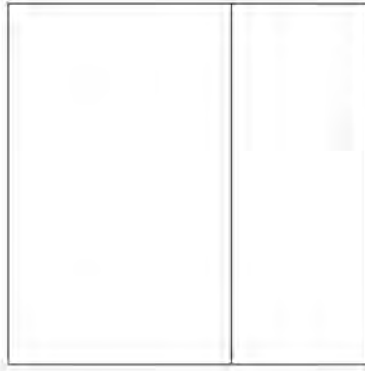
Client Ref: 33689-_M3J9-Site_2
Report Ref: GS-7137933_LS_2_2
Grid Ref: 449925, 130331

Map Name: National Grid

Map date: 1994

Scale: 1:2,500

Printed at: 1:2,500

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

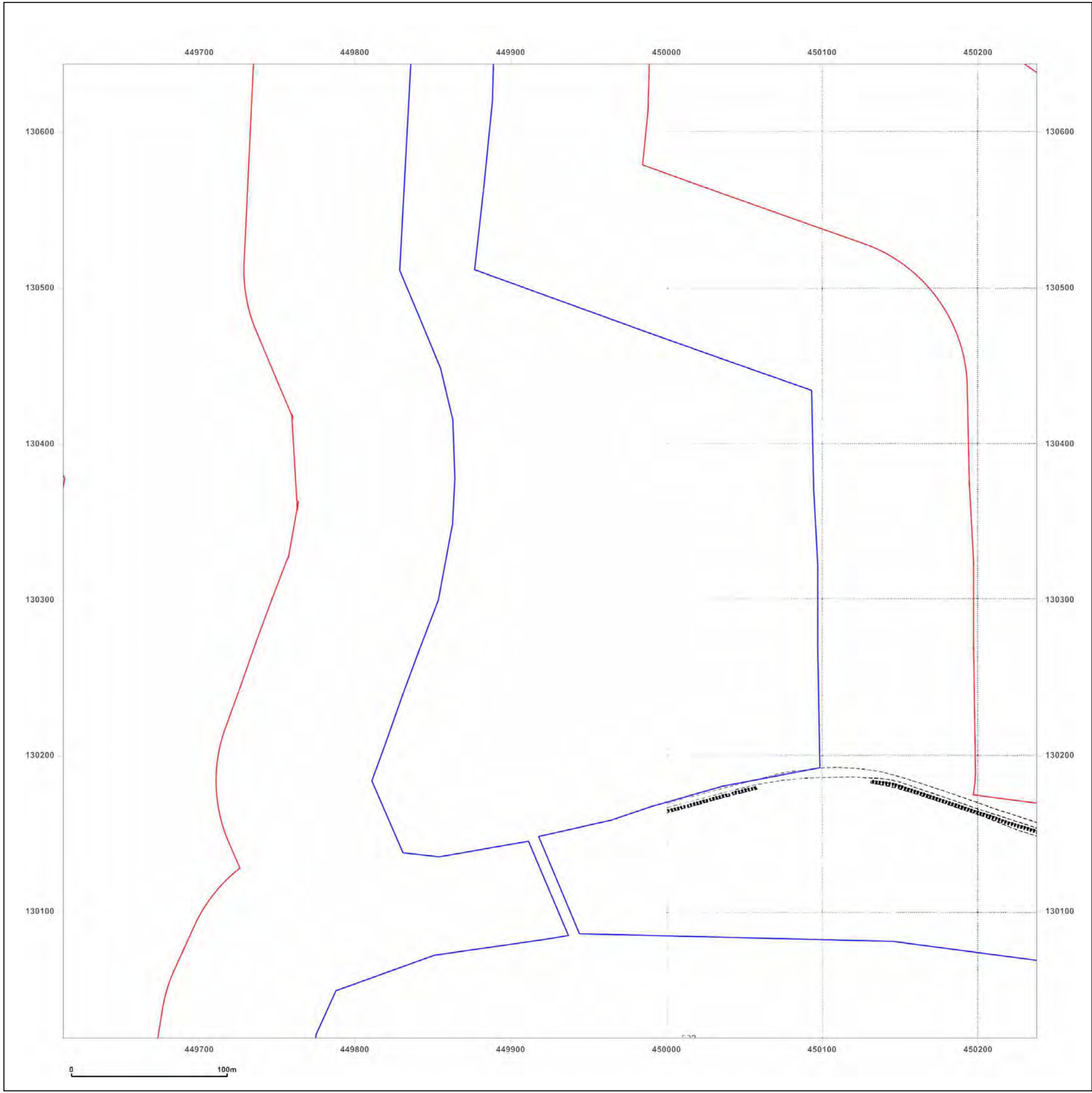


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Production date: 07 October 2020

Map legend available at:



Site Details:

449969.3362893146,
131042.05233653993

Client Ref: 33689-_M3J9-Site_2
Report Ref: GS-7137933_LS_2_3
Grid Ref: 449925, 130957

Map Name: County Series

Map date: 1869

Scale: 1:2,500

Printed at: 1:2,500



Surveyed 1869
Revised 1869
Edition N/A
Copyright N/A
Levelled N/A

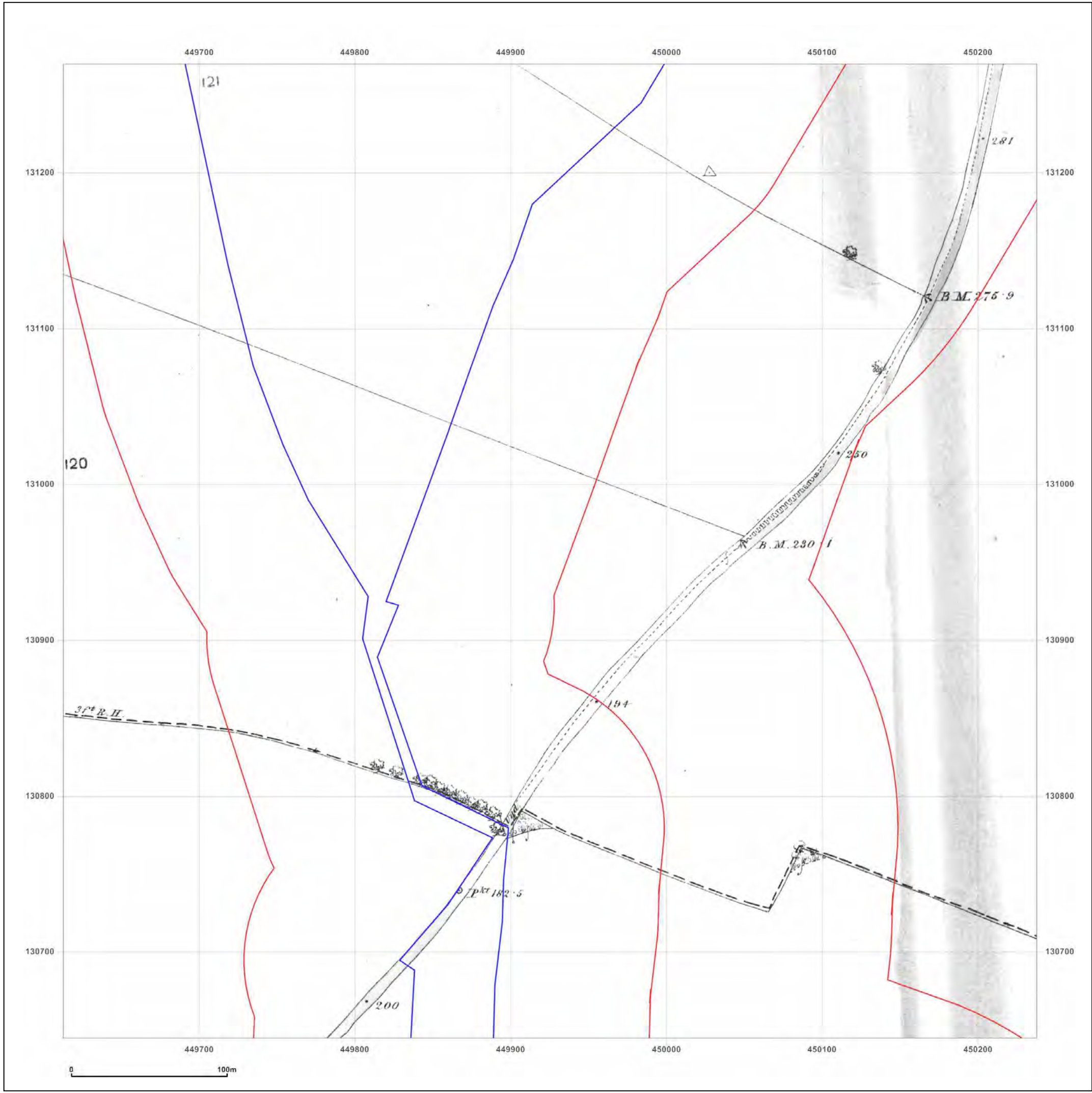


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Production date: 07 October 2020

Map legend available at:



Site Details:

449969.3362893146,
131042.05233653993

Client Ref: 33689-_M3J9-Site_2
Report Ref: GS-7137933_LS_2_3
Grid Ref: 449925, 130957

Map Name: County Series


Map date: 1870

Scale: 1:2,500

Printed at: 1:2,500



Surveyed 1870
Revised 1870
Edition N/A
Copyright N/A
Levelled N/A



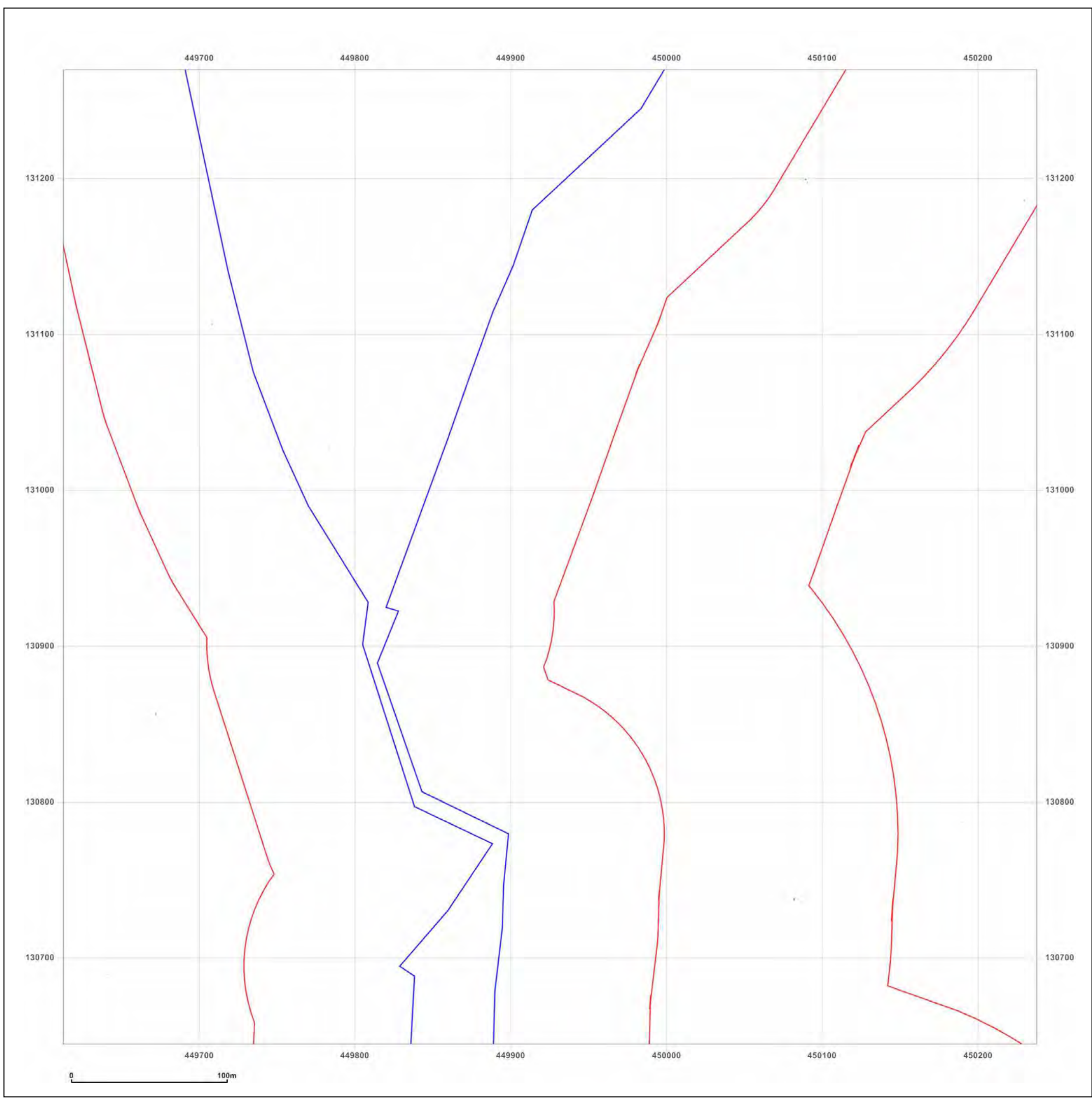


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Production date: 07 October 2020

Map legend available at: [\[redacted\]](#)



Site Details:
 449969.3362893146,
 131042.05233653993

Client Ref: 33689-_M3J9-Site_2
Report Ref: GS-7137933_LS_2_3
Grid Ref: 449925, 130957

Map Name: County Series
Map date: 1870
Scale: 1:2,500
Printed at: 1:2,500



Surveyed 1870
 Revised 1870
 Edition N/A
 Copyright N/A
 Levelled N/A

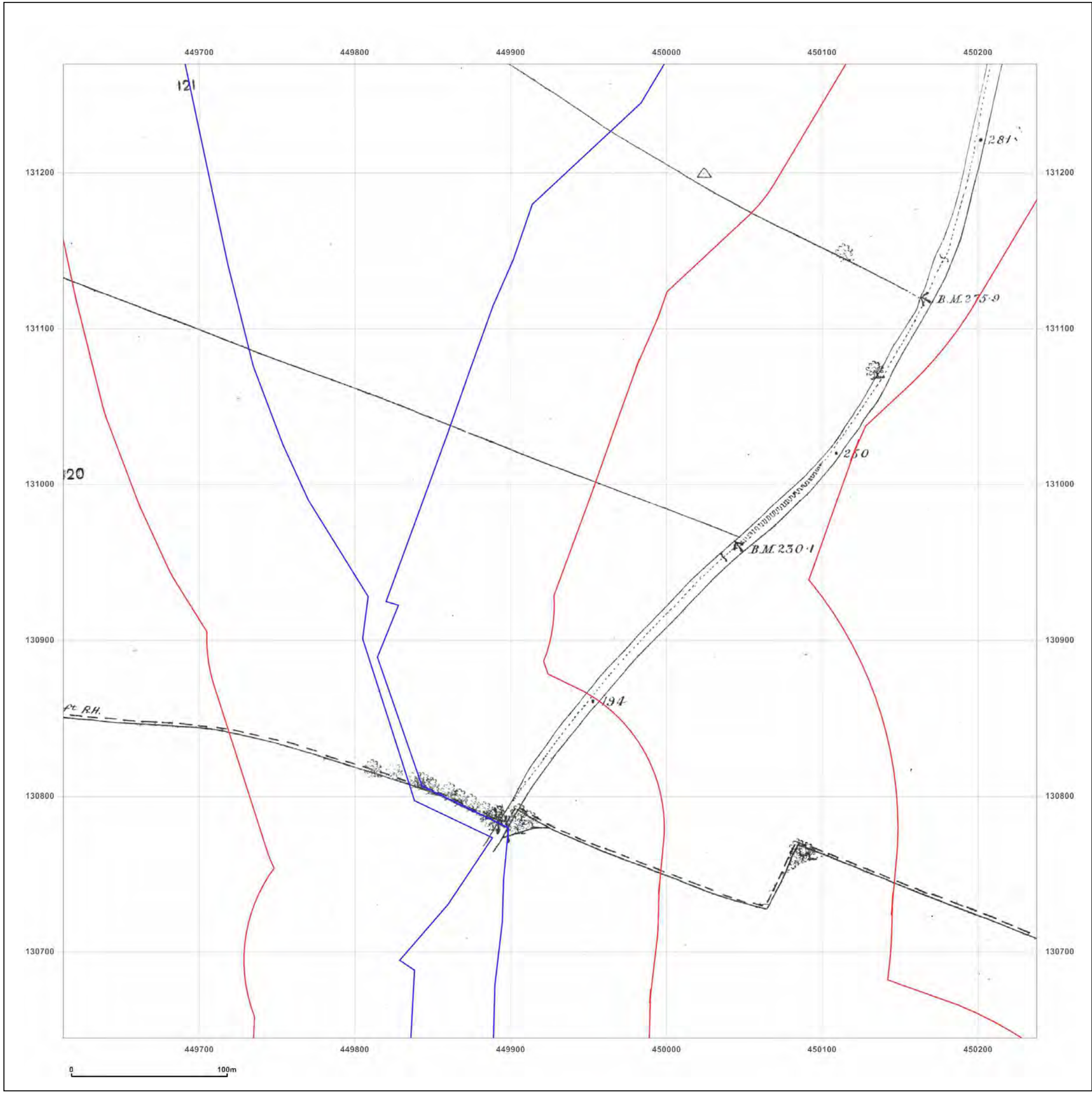
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Map legend available at:

Site Details:
 449969.3362893146,
 131042.05233653993

Client Ref: 33689-_M3J9-Site_2
Report Ref: GS-7137933_LS_2_3
Grid Ref: 449925, 130957

Map Name: County Series
Map date: 1896
Scale: 1:2,500
Printed at: 1:2,500



Surveyed 1896
 Revised 1896
 Edition N/A
 Copyright N/A
 Levelled N/A

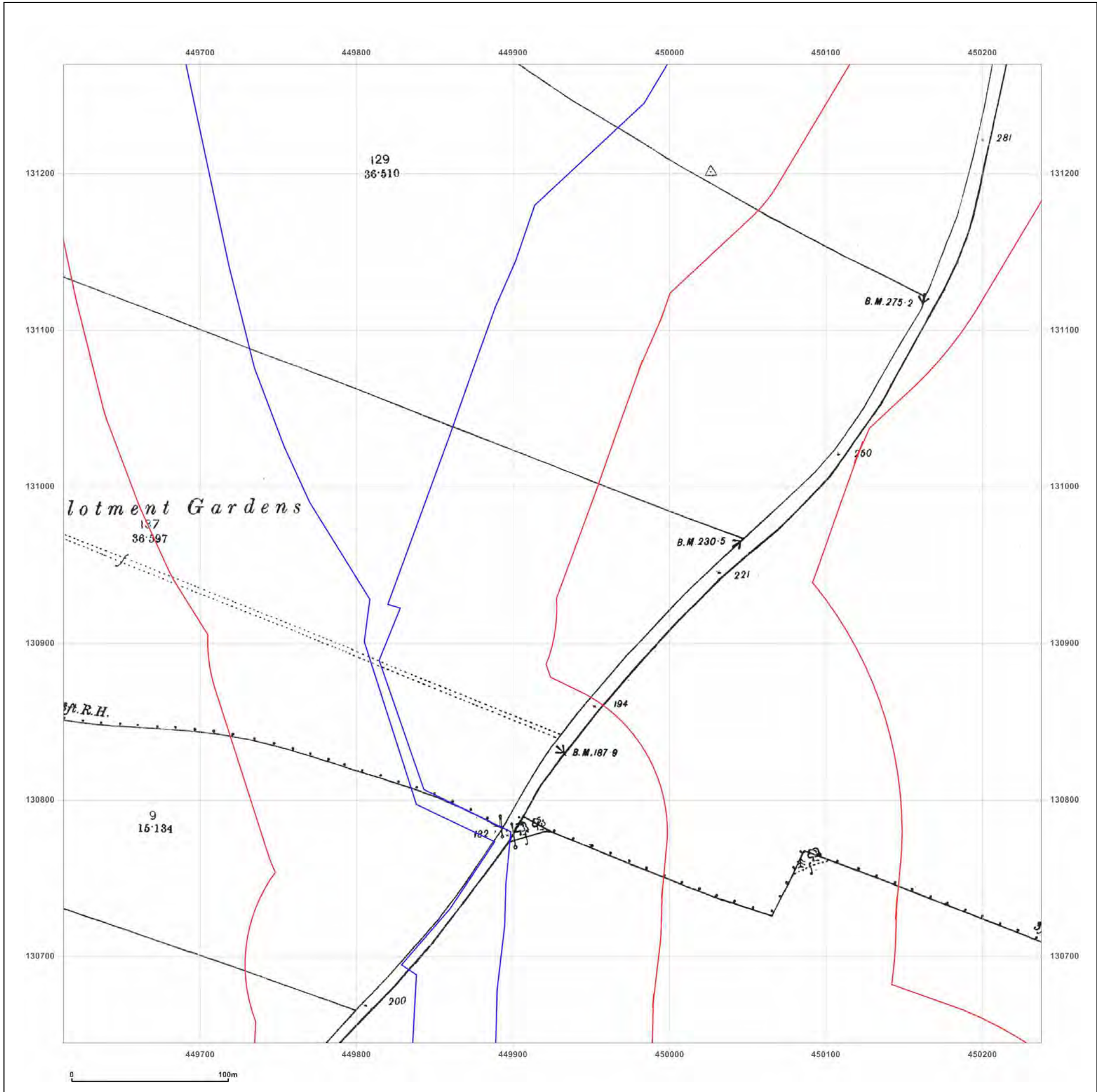
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Map legend available at: [\[Link\]](#)



Site Details:

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131042.05233653993

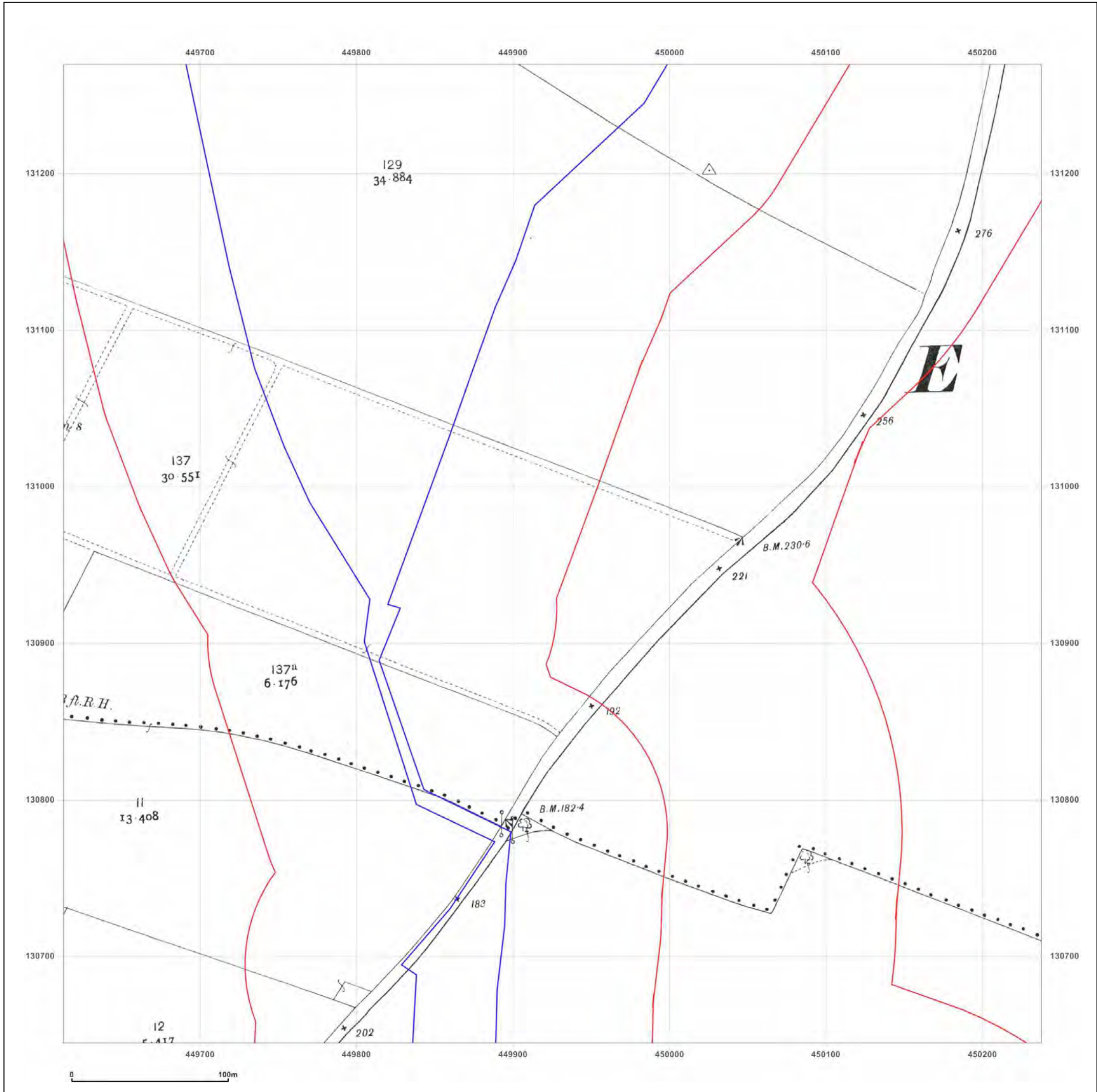
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Report Ref: GS-7137933_LS_2_3
Grid Ref: 449925, 130957

Map Name: County Series

Map date: 1909

Scale: 1:2,500

Printed at: 1:2,500



Surveyed 1909
Revised 1909
Edition N/A
Copyright N/A
Levelled N/A



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Map legend available at:

Site Details:
 449969.3362893146,
 131042.05233653993

Client Ref: 33689-_M3J9-Site_2
Report Ref: GS-7137933_LS_2_3
Grid Ref: 449925, 130957

Map Name: County Series
Map date: 1932
Scale: 1:2,500
Printed at: 1:2,500



Surveyed 1932
 Revised 1932
 Edition N/A
 Copyright N/A
 Levelled N/A

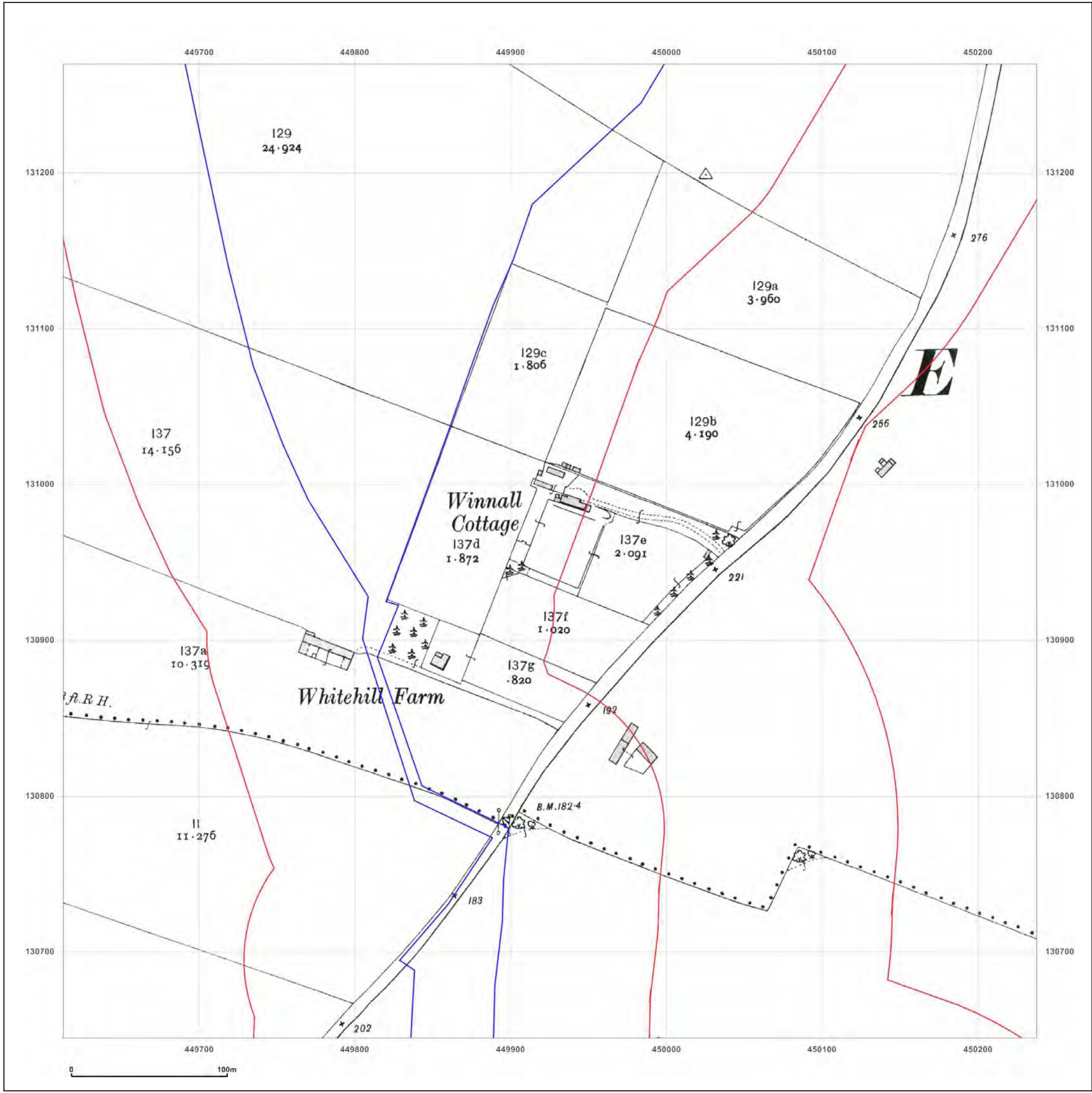
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Map legend available at:

Site Details:

449969.3362893146,
131042.05233653993

Client Ref: 33689-_M3J9-Site_2
Report Ref: GS-7137933_LS_2_3
Grid Ref: 449925, 130957

Map Name: County Series

Map date: 1939

Scale: 1:2,500

Printed at: 1:2,500



Surveyed 1939
Revised 1939
Edition N/A
Copyright N/A
Levelled N/A

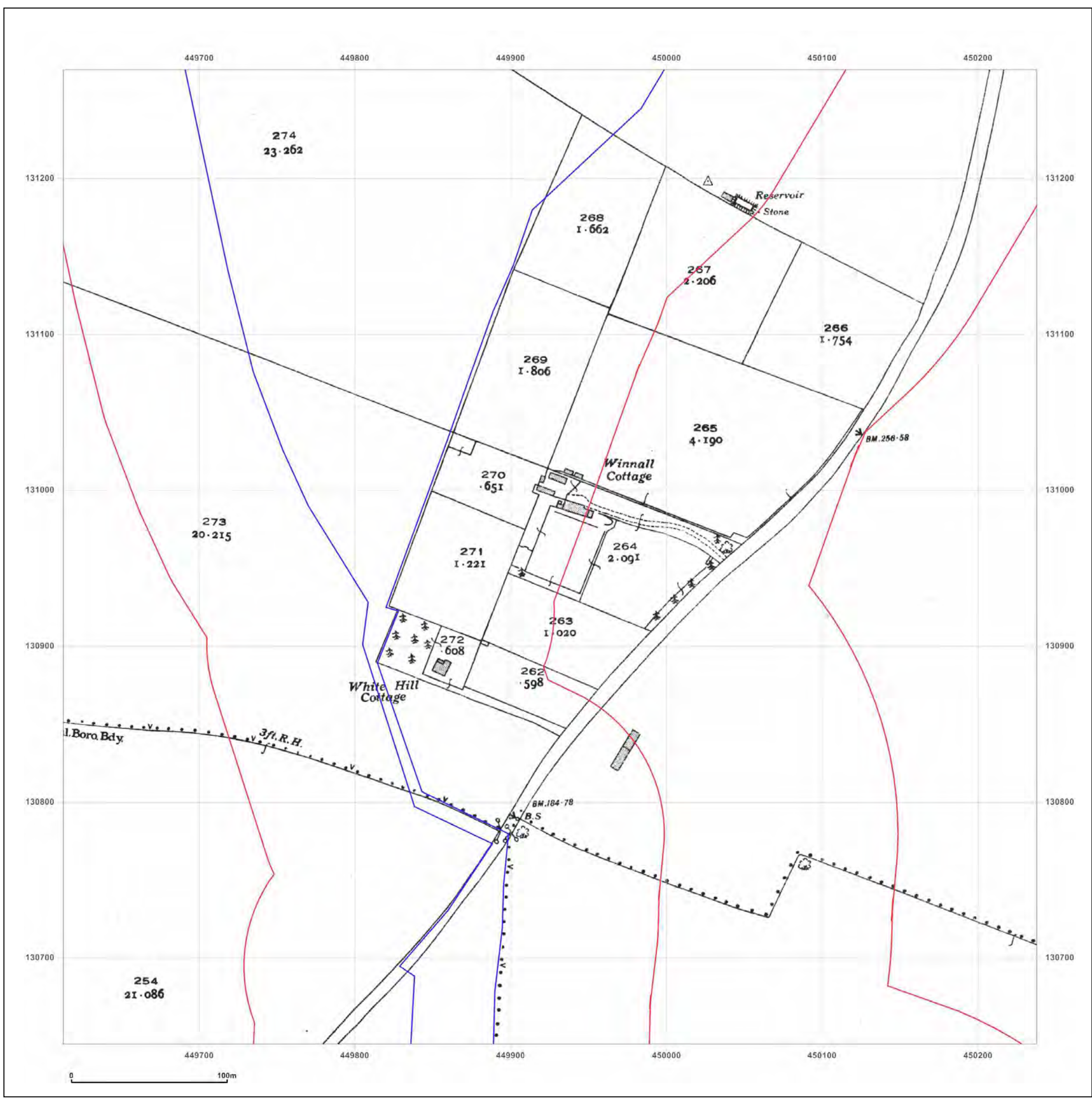


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Production date: 07 October 2020

Map legend available at: [\[Link\]](#)



Site Details:

449969.3362893146,
131042.05233653993

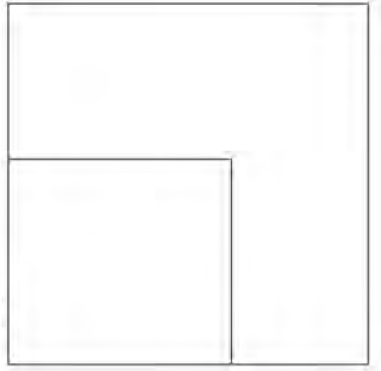
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Report Ref: GS-7137933_LS_2_3
Grid Ref: 449925, 130957

Map Name: National Grid

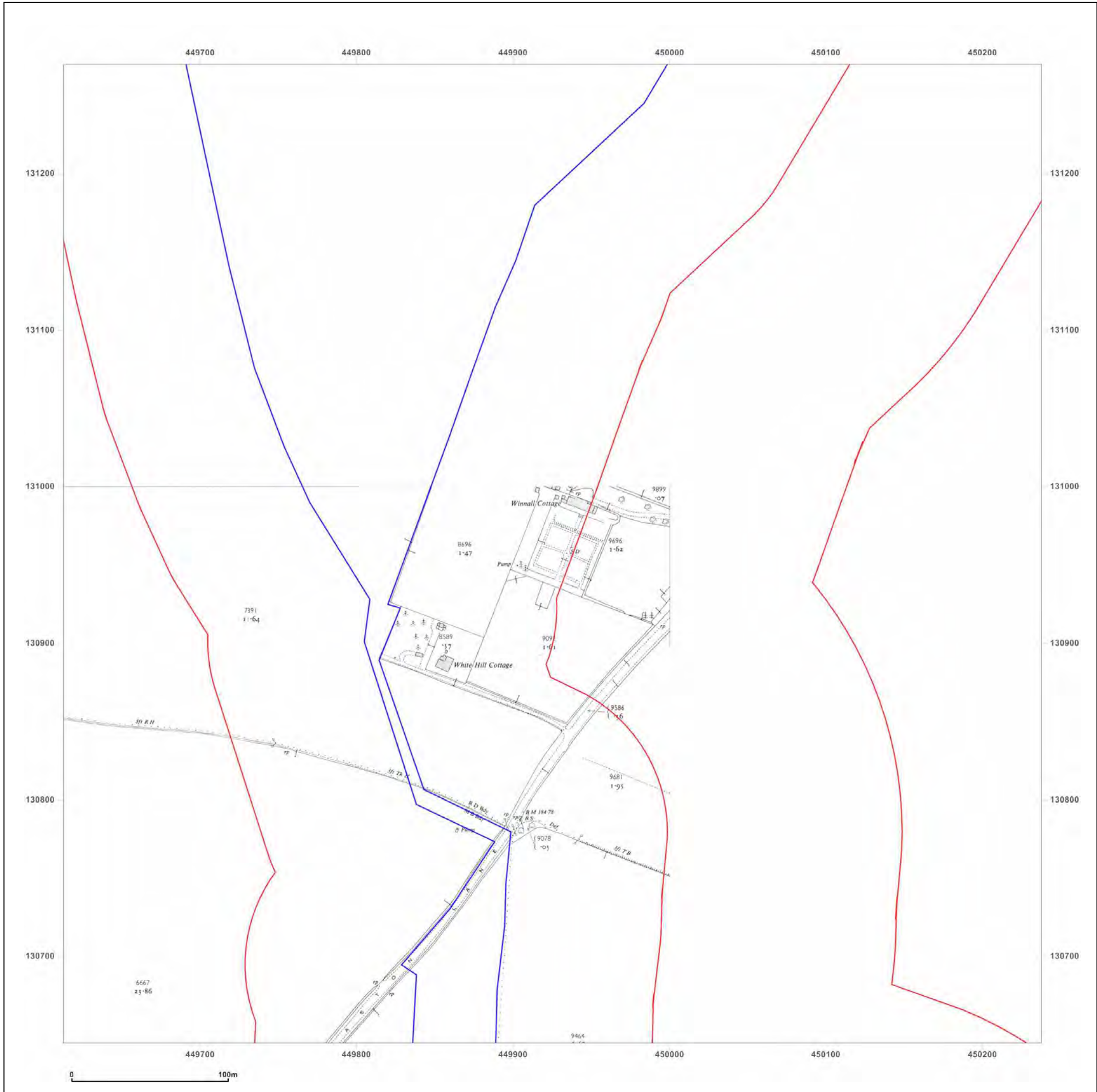
Map date: 1952

Scale: 1:2,500

Printed at: 1:2,500

Surveyed 1952
Revised 1952
Edition N/A
Copyright N/A
Levelled 1940



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Production date: 07 October 2020

Map legend available at: [REDACTED]

Site Details:

449969.3362893146,
131042.05233653993

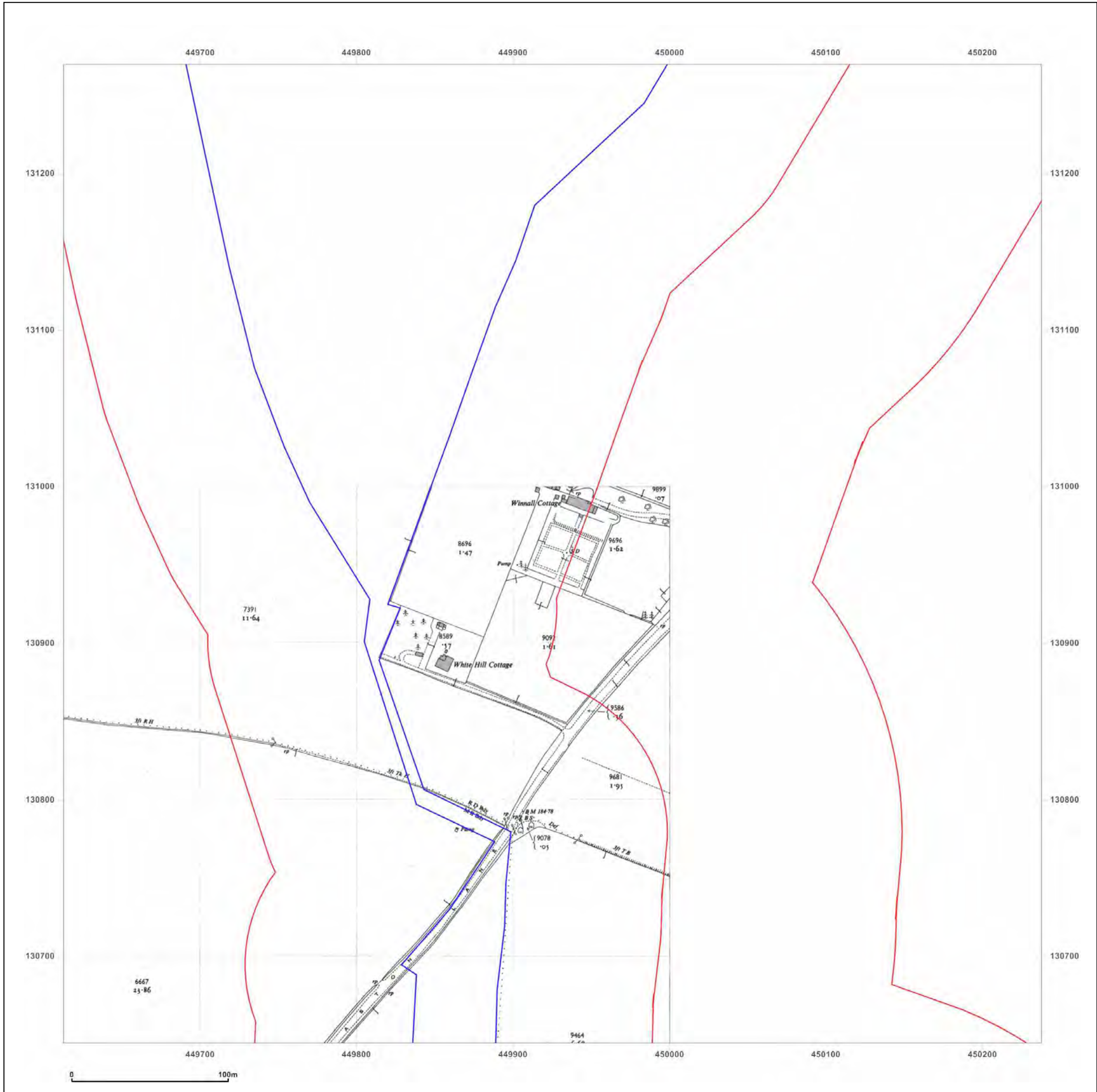
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Grid Ref: 449925, 130957

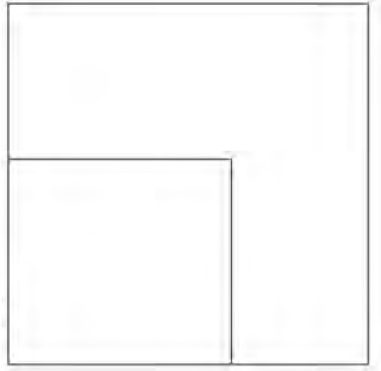
Map Name: National Grid

Map date: 1952

Scale: 1:2,500

Printed at: 1:2,500





Surveyed 1952
Revised 1952
Edition N/A
Copyright N/A
Levelled N/A



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Site Details:

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Client Ref: 33689-_M3J9-Site_2
Report Ref: GS-7137933_LS_2_3
Grid Ref: 449925, 130957

Map Name: National Grid

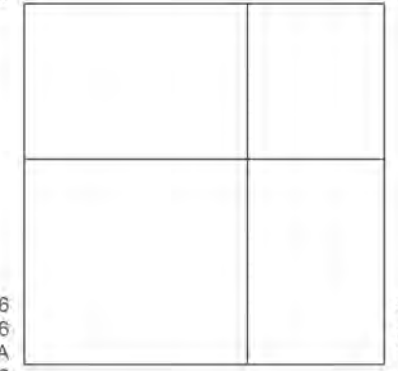
Map date: 1962-1966

Scale: 1:2,500

Printed at: 1:2,500



Surveyed 1962
Revised 1962
Edition N/A
Copyright 1963
Levelled 1959



Surveyed 1966
Revised 1966
Edition N/A
Copyright 1968
Levelled 1959

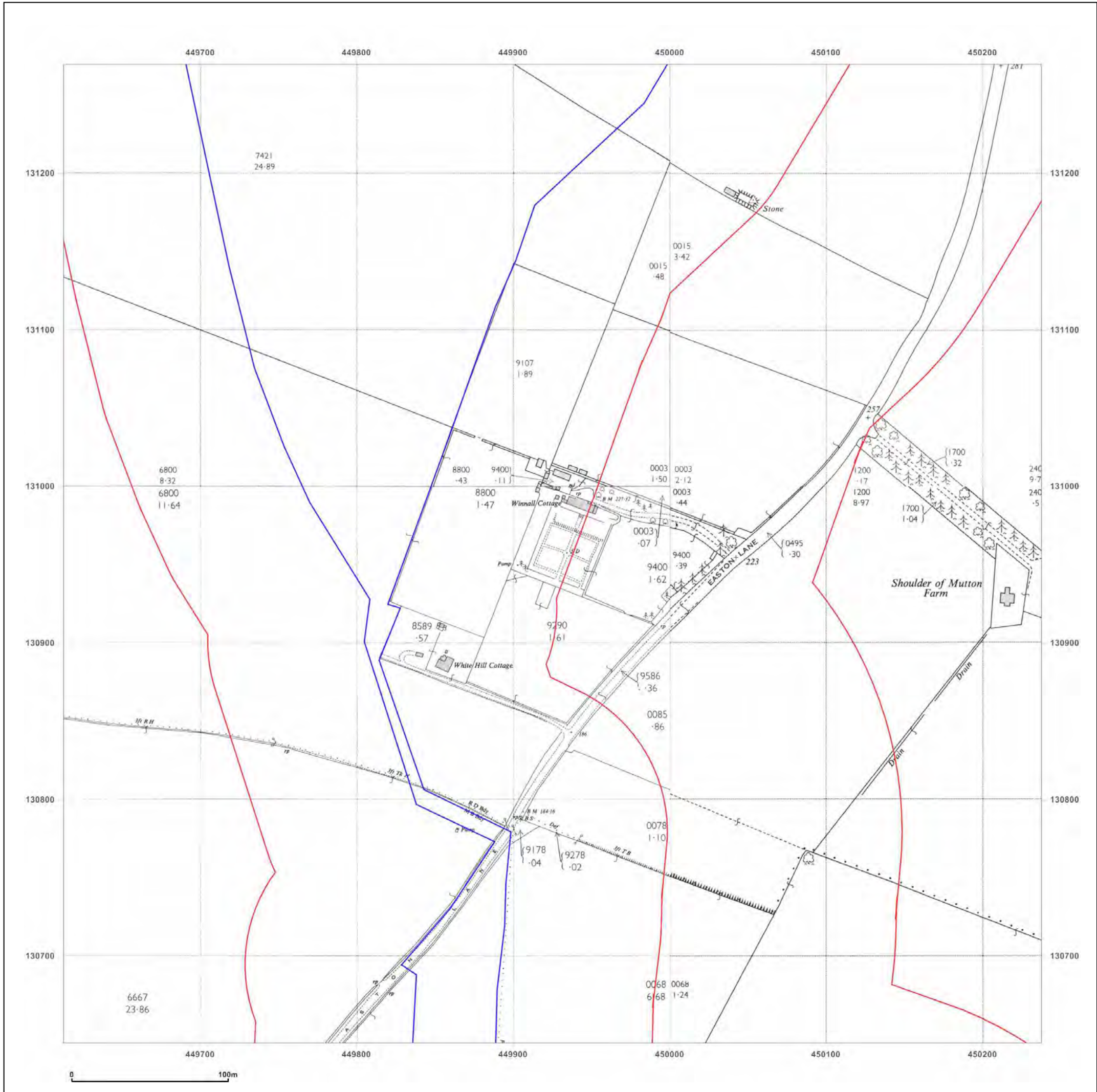


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Site Details:

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Client Ref: 33689-_M3J9-Site_2
Report Ref: GS-7137933_LS_2_3
Grid Ref: 449925, 130957

Map Name: National Grid

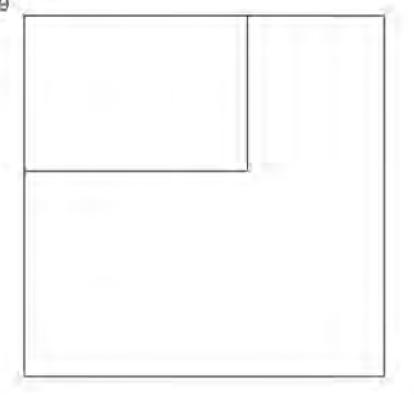
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Scale: 1:2,500

Printed at: 1:2,500



Surveyed 1973
Revised 1973
Edition N/A
Copyright 1975
Levelled 1959

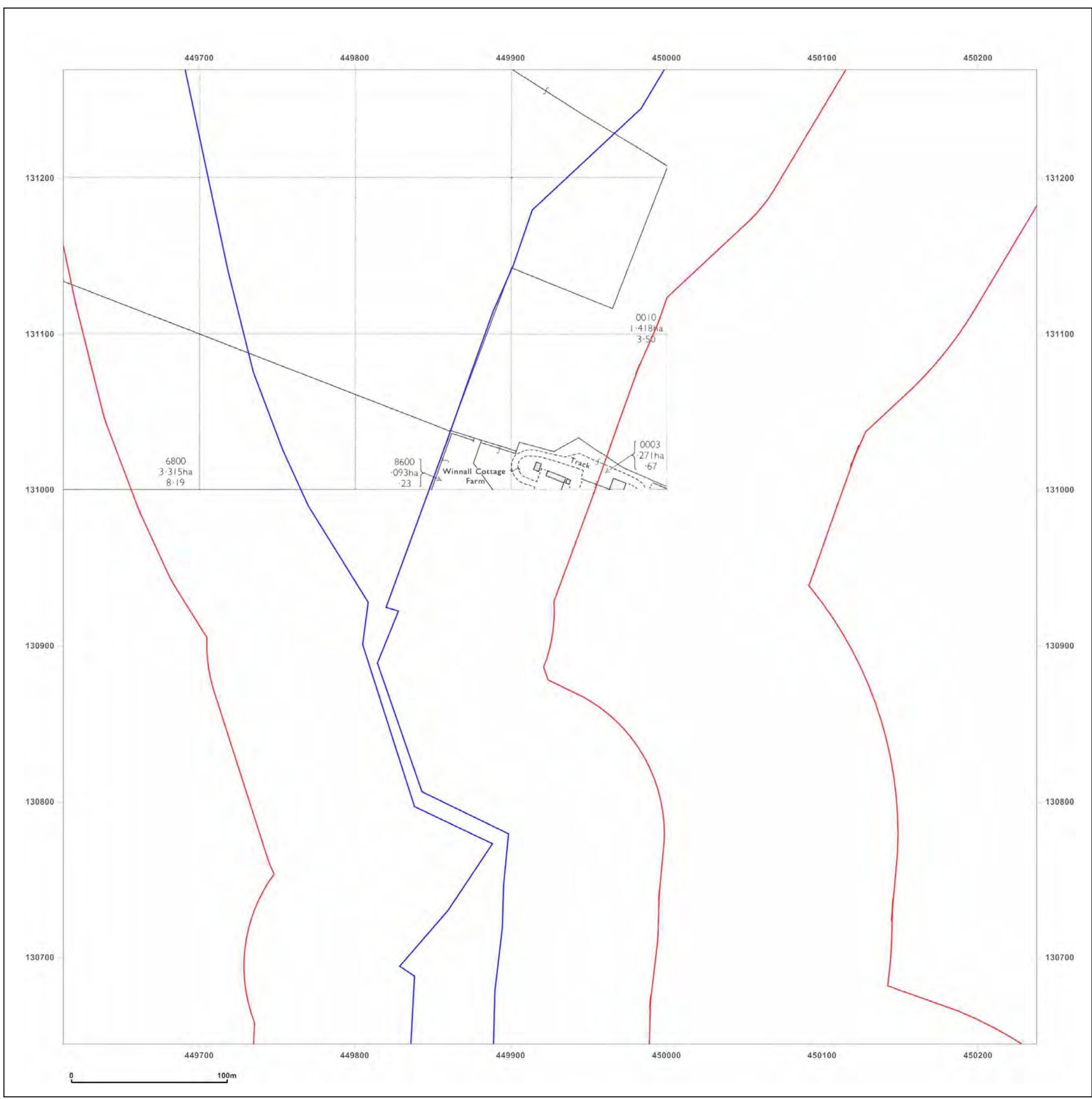


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Production date: 07 October 2020

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Client Ref: 33689-_M3J9-Site_2
Report Ref: GS-7137933_LS_2_3
Grid Ref: 449925, 130957

Map Name: National Grid

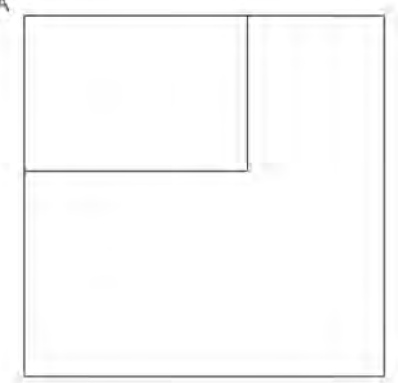
Map date: 1975

Scale: 1:2,500

Printed at: 1:2,500



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

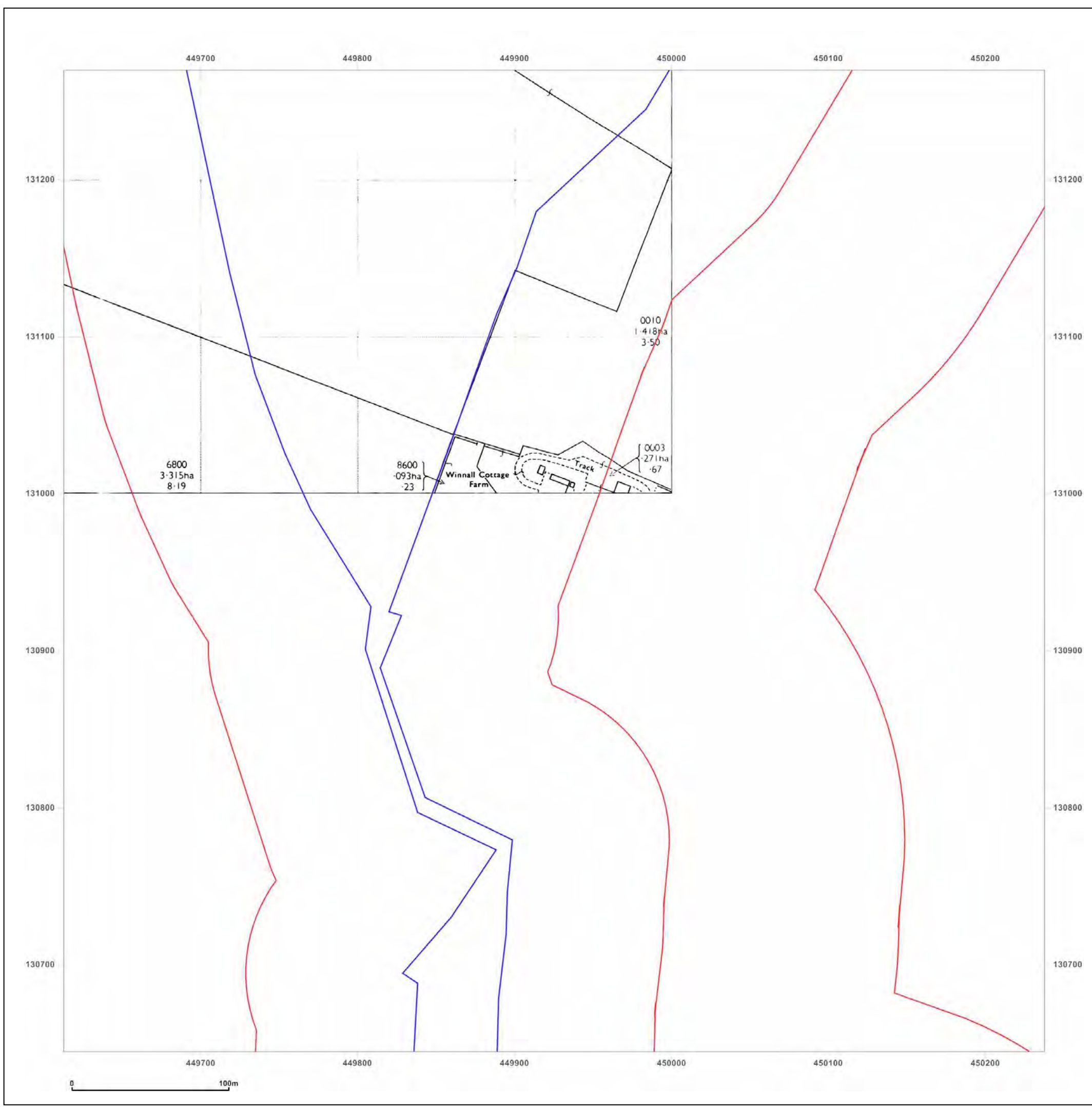


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Site Details:

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Client Ref: 33689-_M3J9-Site_2
Report Ref: GS-7137933_LS_2_3
Grid Ref: 449925, 130957

Map Name: National Grid

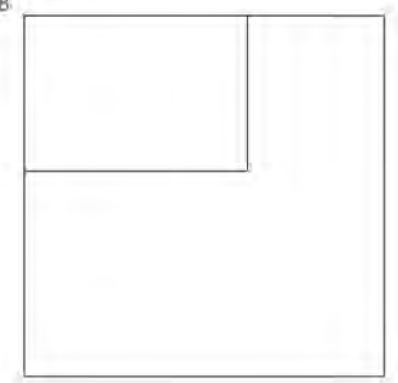
Map date: 1987

Scale: 1:2,500

Printed at: 1:2,500



Surveyed N/A
Revised N/A
Edition N/A
Copyright 1987
Levelled 1958

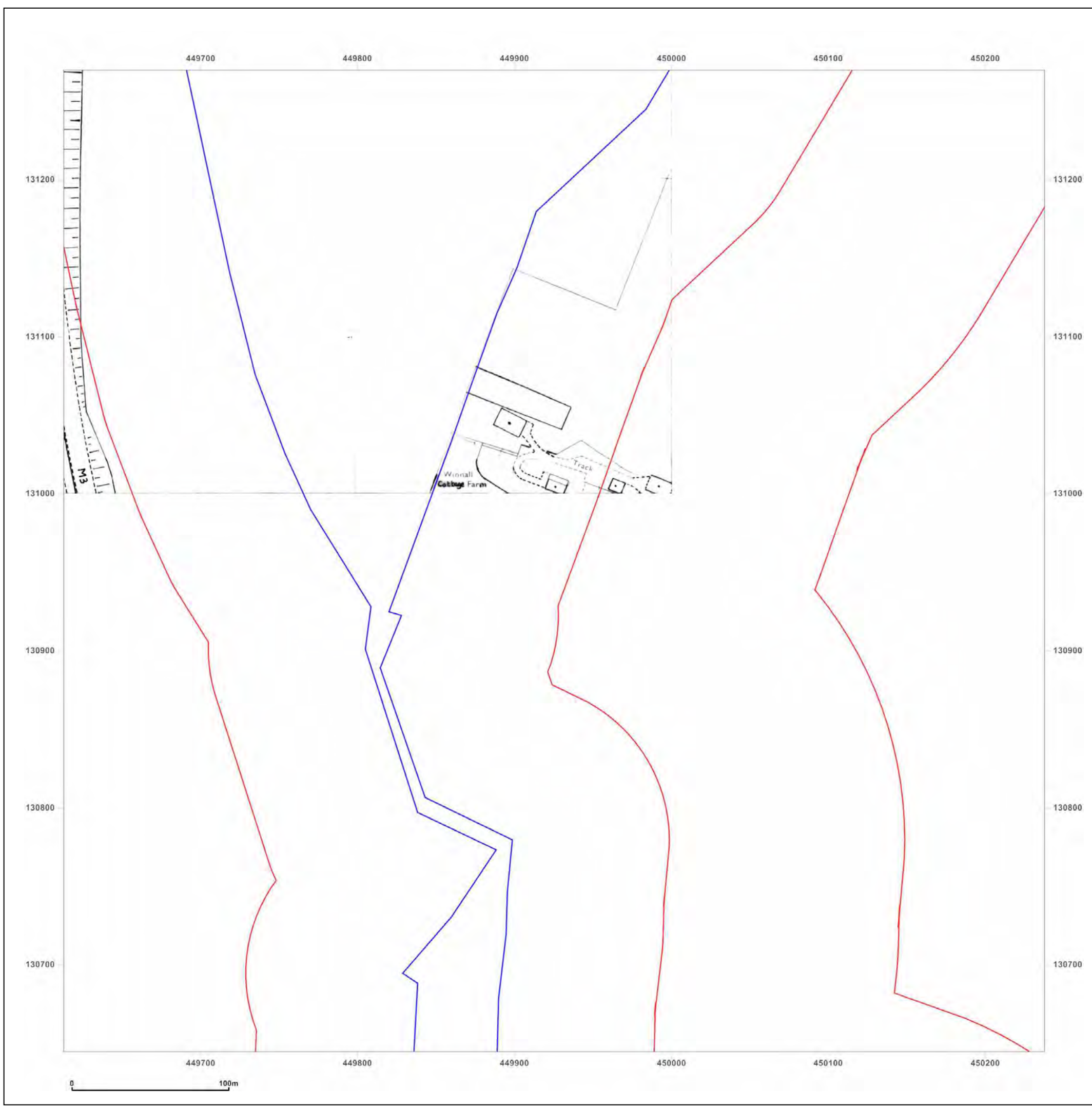


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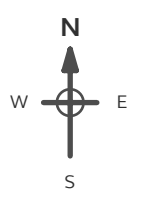


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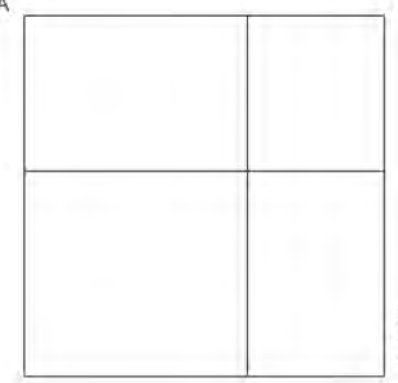
449969.3362893146,
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Client Ref: 33689-_M3J9-Site_2
Report Ref: GS-7137933_LS_2_3
Grid Ref: 449925, 130957

Map Name: National Grid
Map date: 1993-1994
Scale: 1:2,500
Printed at: 1:2,500



Surveyed 1993
Revised 1993
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 N/A
Edition N/A
Copyright 1994
Levelled N/A

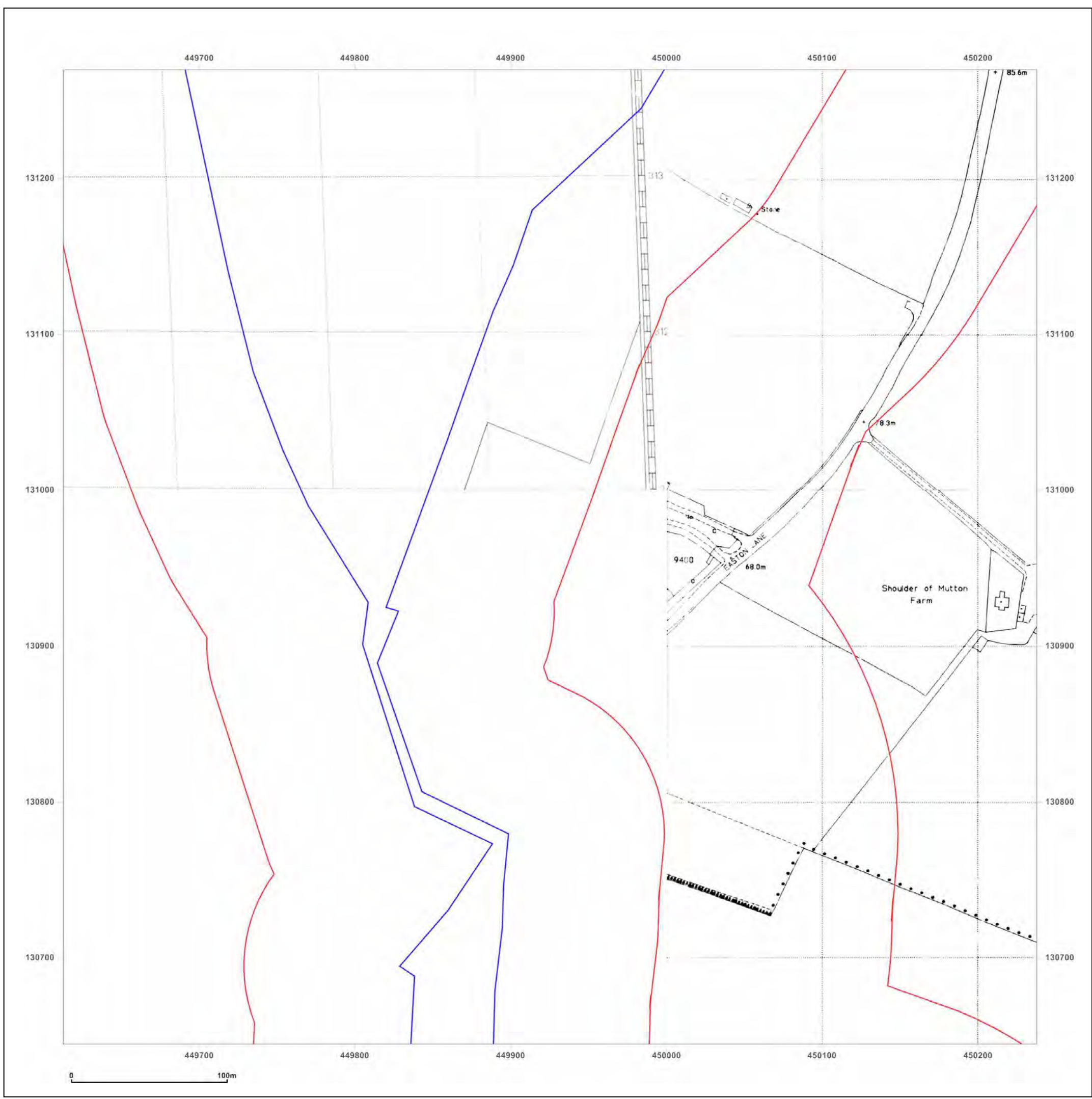


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Production date: 07 October 2020

Map legend available at: 



Site Details:

449969.3362893146,
131042.05233653993

Client Ref: 33689-_M3J9-Site_2
Report Ref: GS-7137933_LS_2_4
Grid Ref: 449925, 131582

Map Name: County Series

Map date: 1869

Scale: 1:2,500

Printed at: 1:2,500



Surveyed 1869
Revised 1869
Edition N/A
Copyright N/A
Levelled N/A

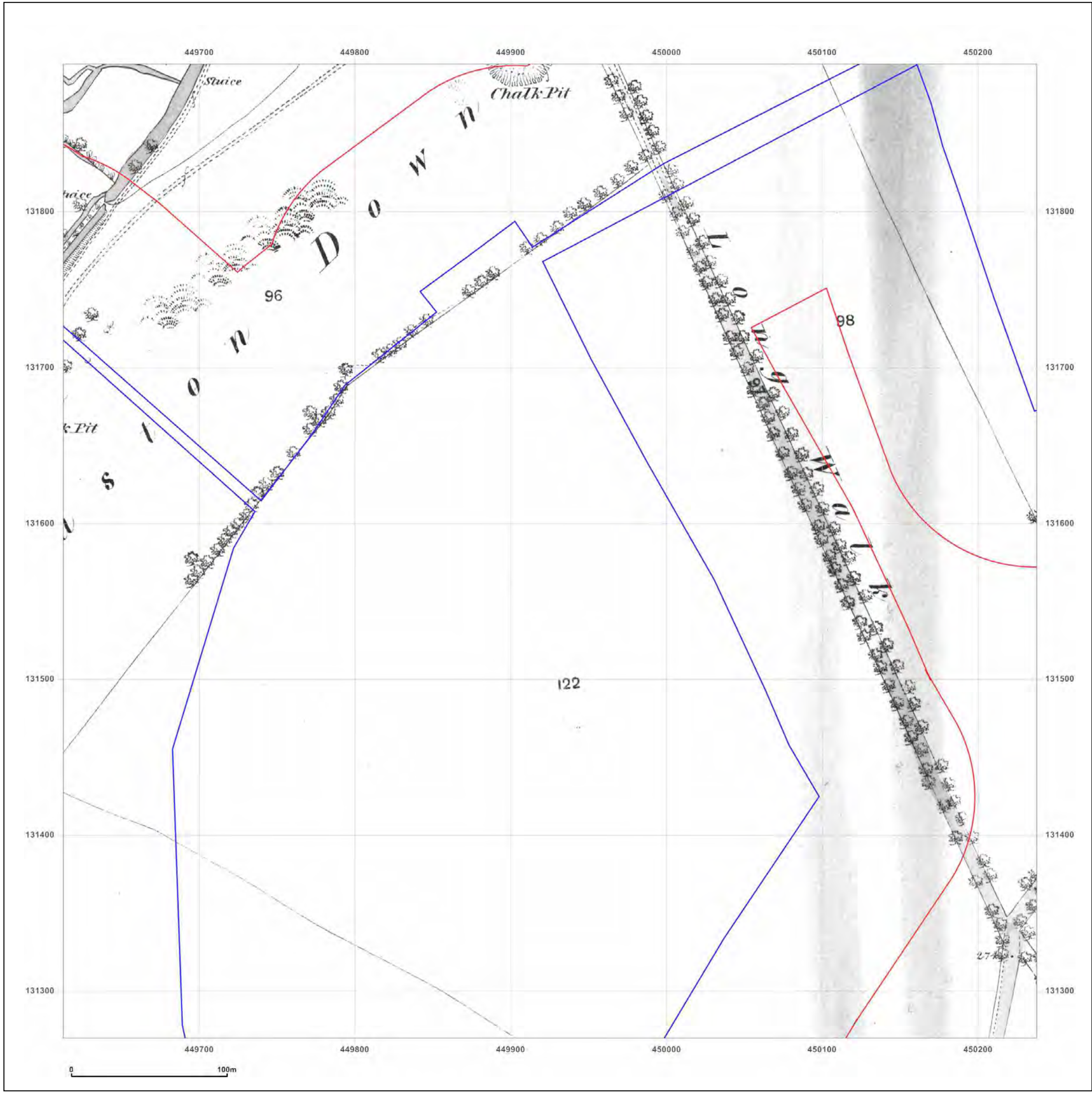


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Site Details:

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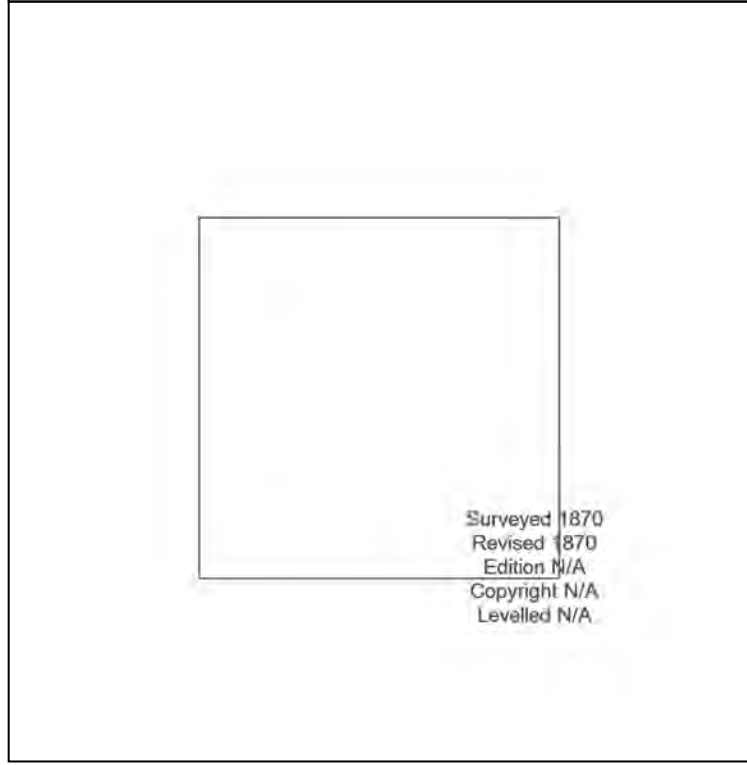
Client Ref: 33689-_M3J9-Site_2
Report Ref: GS-7137933_LS_2_4
Grid Ref: 449925, 131582

Map Name: County Series

Map date: 1870

Scale: 1:2,500

Printed at: 1:2,500



Surveyed 1870
Revised 1870
Edition N/A
Copyright N/A
Levelled N/A.

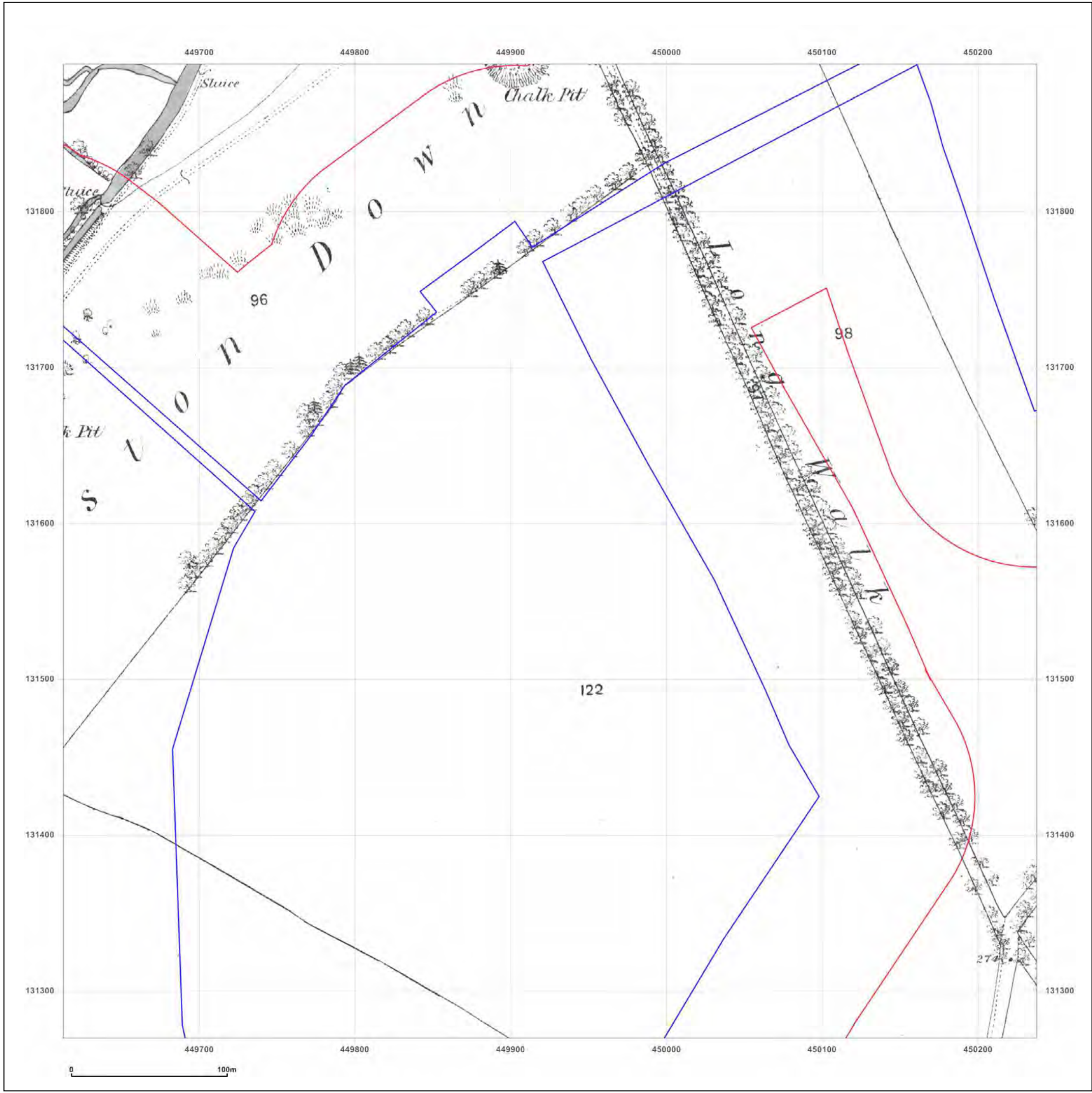


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Site Details:

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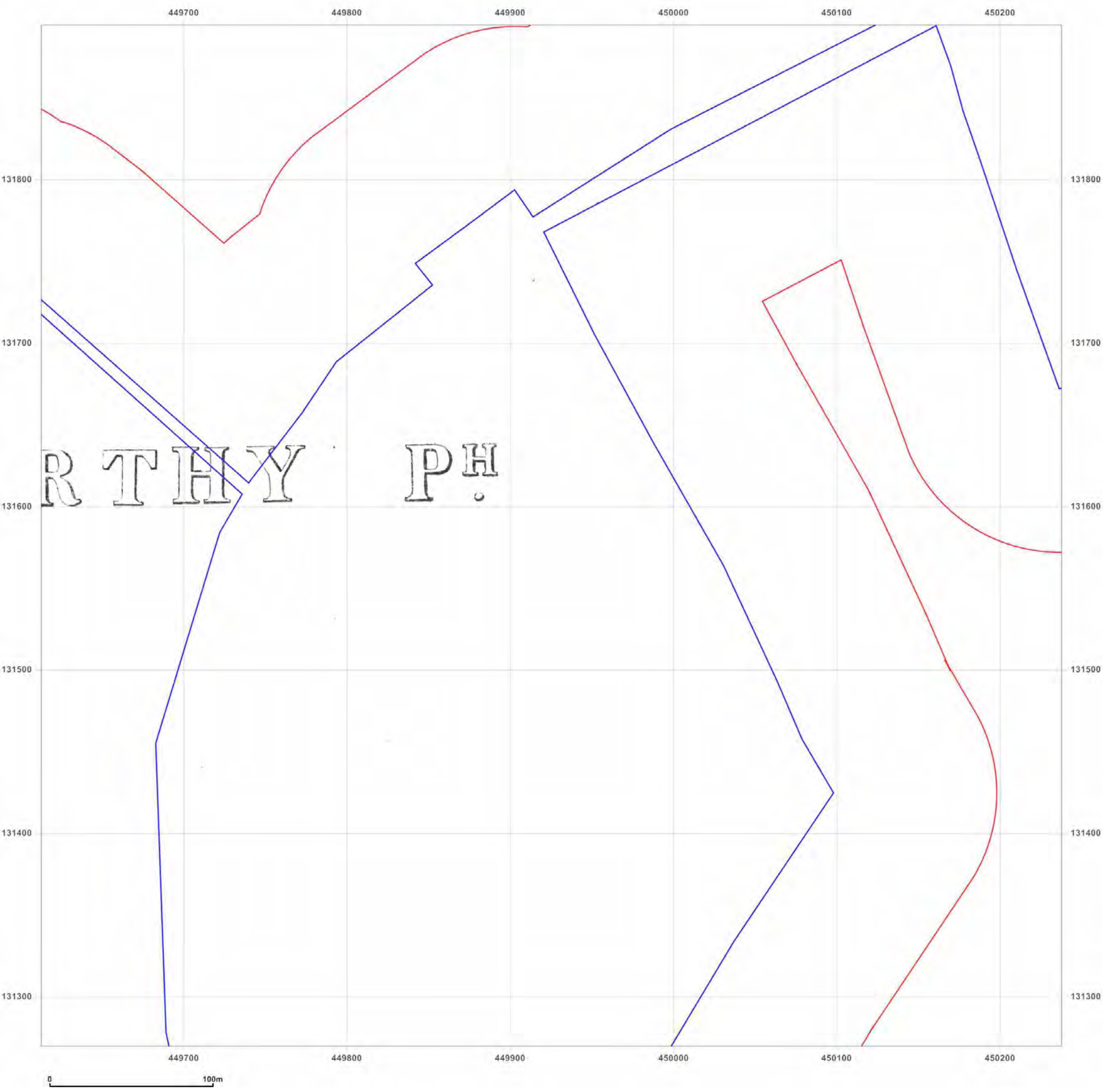
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Report Ref: GS-7137933_LS_2_4
Grid Ref: 449925, 131582

Map Name: County Series

Map date: 1870

Scale: 1:2,500

Printed at: 1:2,500



Surveyed 1870
Revised 1870
Edition N/A
Copyright N/A
Levelled N/A.



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Map legend available at:



Site Details:

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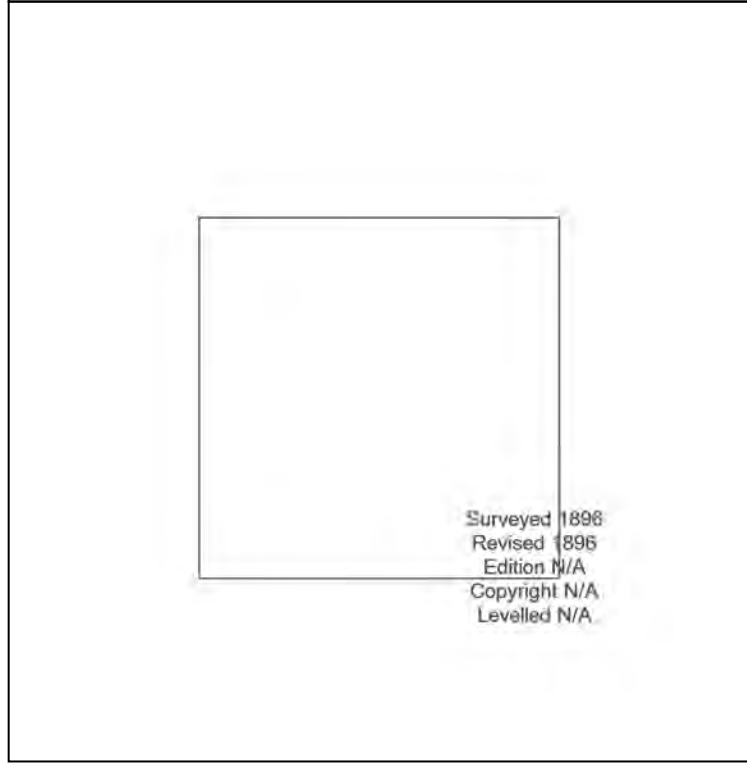
Client Ref: 33689-_M3J9-Site_2
Report Ref: GS-7137933_LS_2_4
Grid Ref: 449925, 131582

Map Name: County Series

Map date: 1896

Scale: 1:2,500

Printed at: 1:2,500



Surveyed 1898
Revised 1896
Edition N/A
Copyright N/A
Levelled N/A.

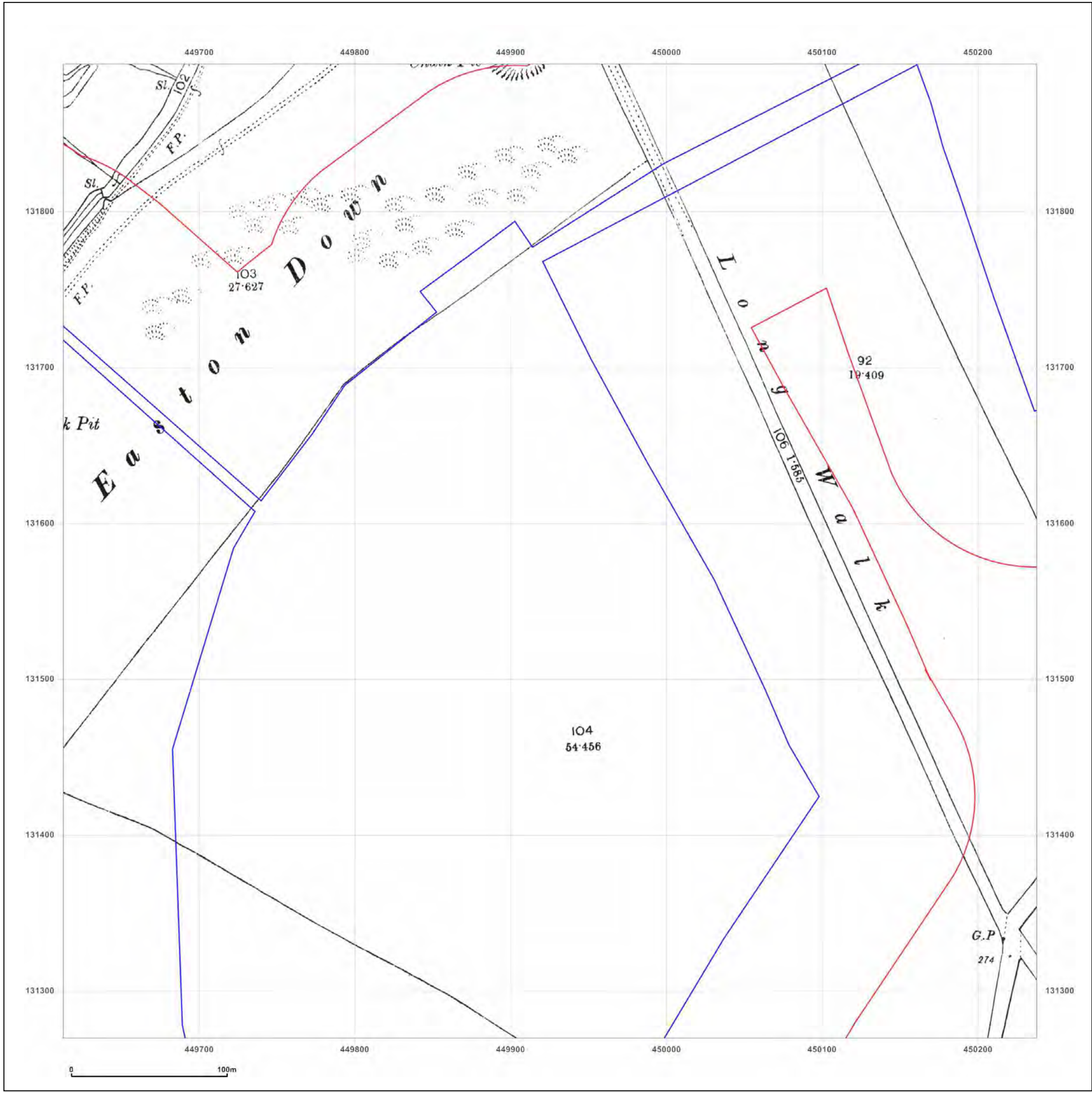


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Map legend available at:



Site Details:

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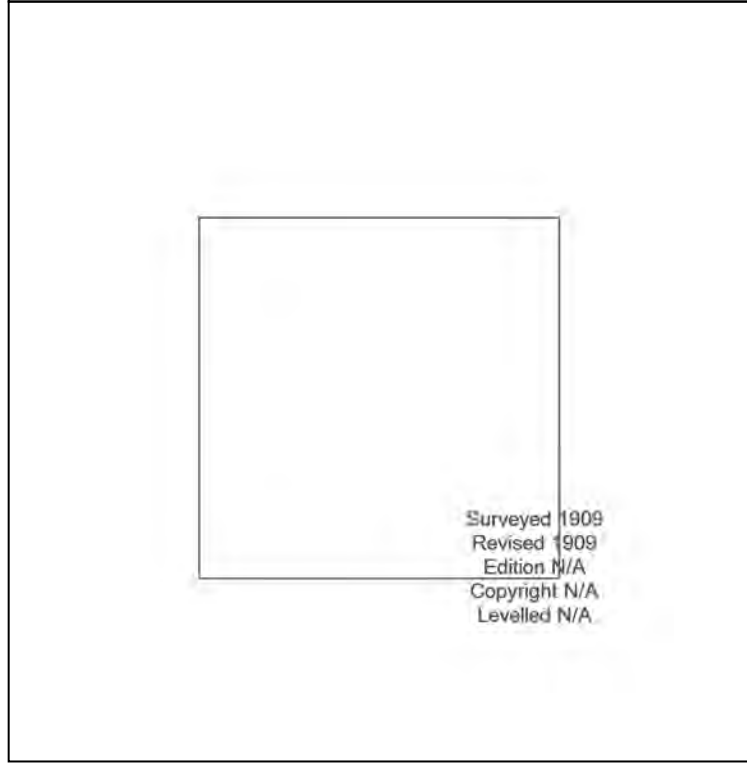
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Report Ref: GS-7137933_LS_2_4
Grid Ref: 449925, 131582

Map Name: County Series

Map date: 1909

Scale: 1:2,500

Printed at: 1:2,500



Surveyed 1909
Revised 1909
Edition N/A
Copyright N/A
Levelled N/A.

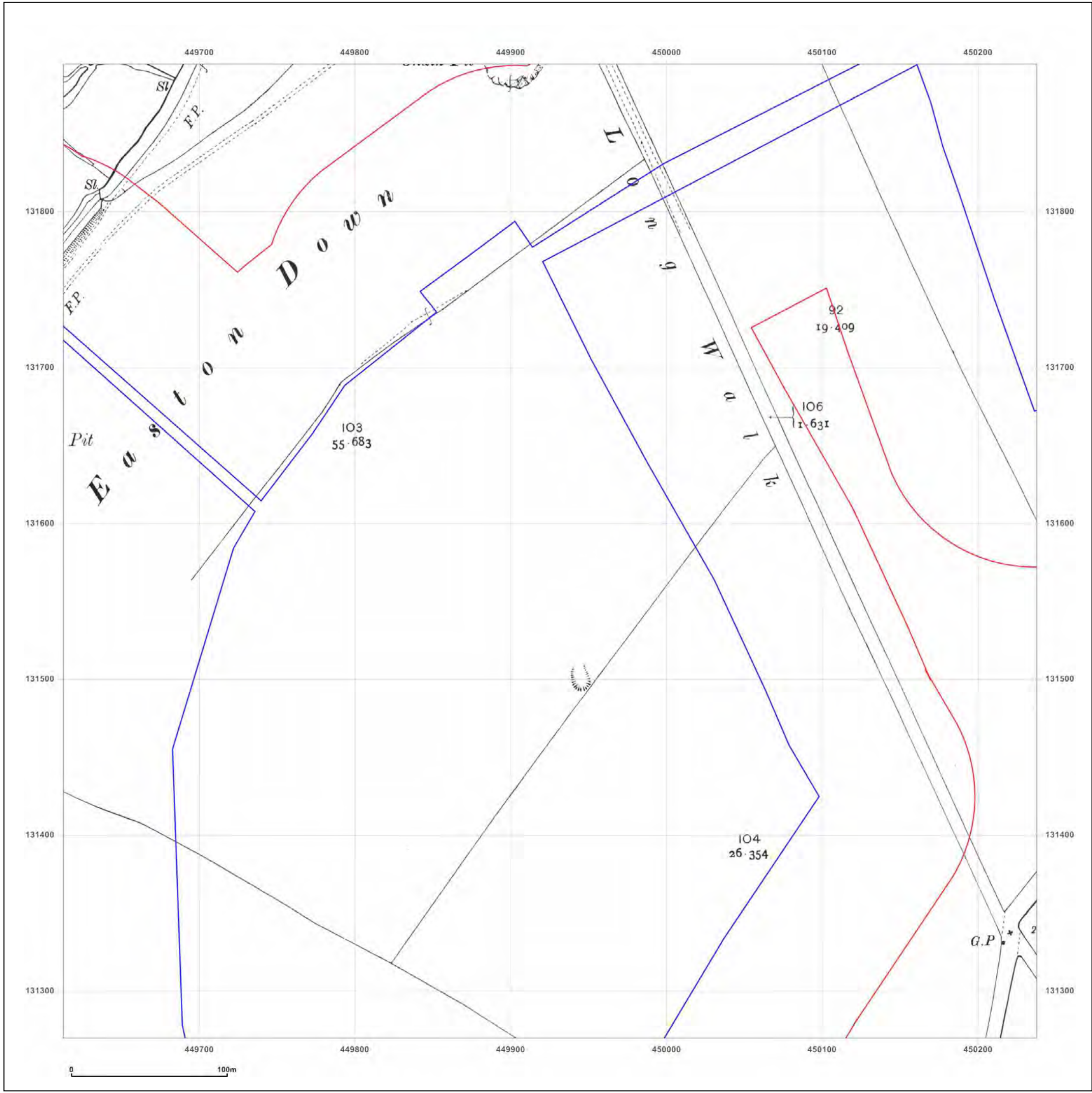


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Production date: 07 October 2020

Map legend available at:



Site Details:

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131042.05233653993

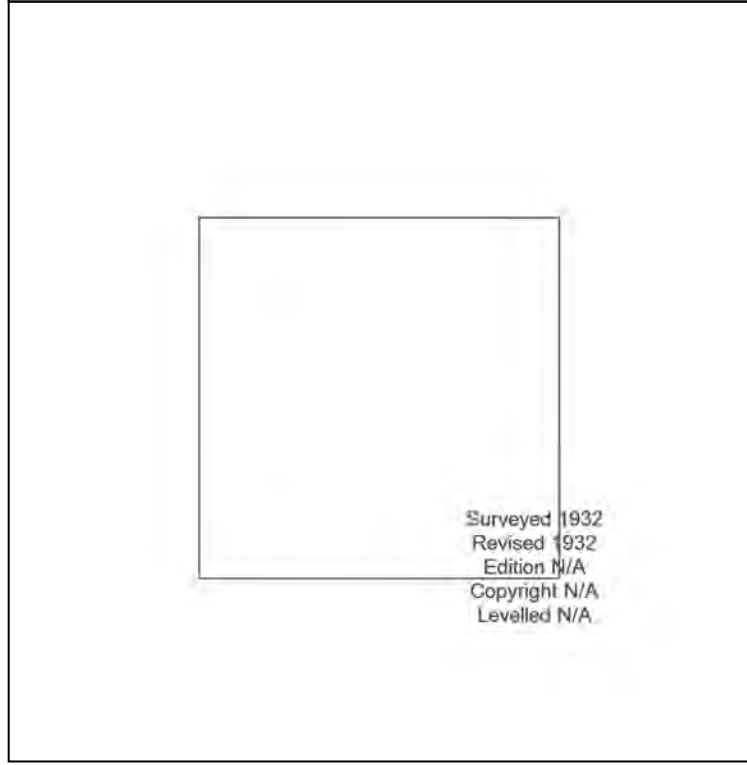
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Report Ref: GS-7137933_LS_2_4
Grid Ref: 449925, 131582

Map Name: County Series

Map date: 1932

Scale: 1:2,500

Printed at: 1:2,500



Surveyed 1932
Revised 1932
Edition N/A
Copyright N/A
Levelled N/A.

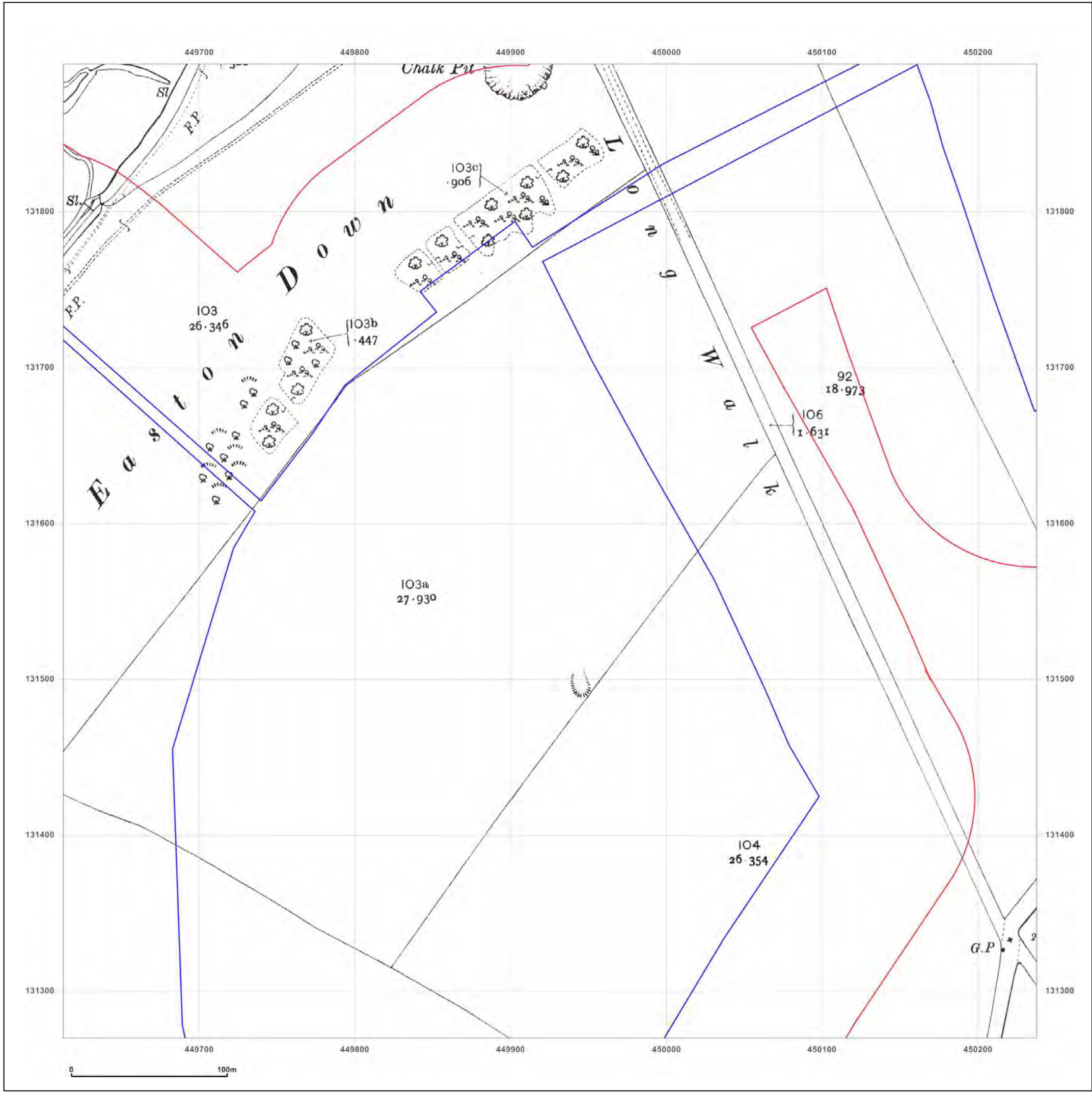


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Production date: 07 October 2020

Map legend available at:



Site Details:

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131042.05233653993

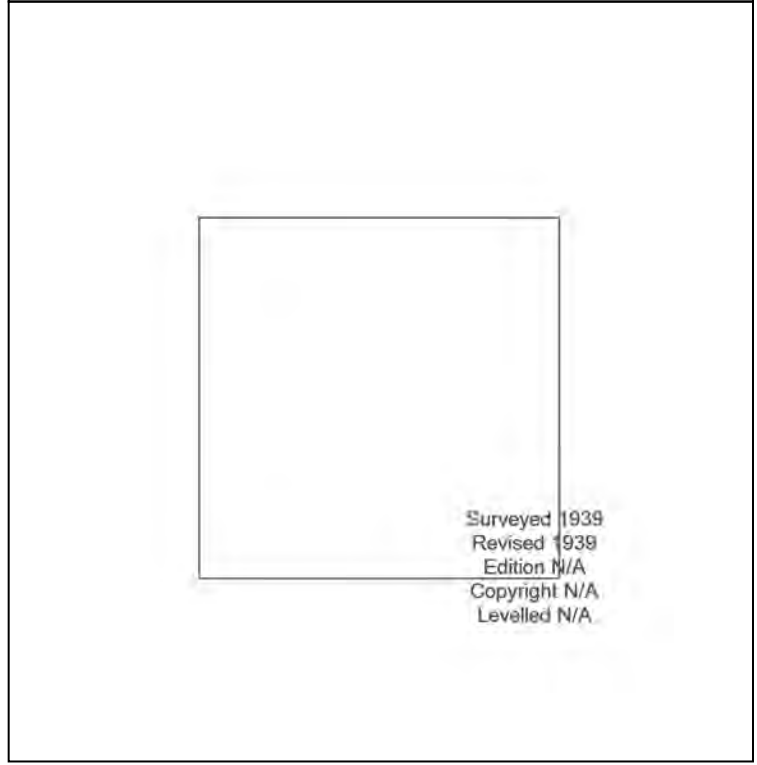
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Report Ref: GS-7137933_LS_2_4
Grid Ref: 449925, 131582

Map Name: County Series

Map date: 1939

Scale: 1:2,500

Printed at: 1:2,500



Surveyed 1939
Revised 1939
Edition N/A
Copyright N/A
Levelled N/A

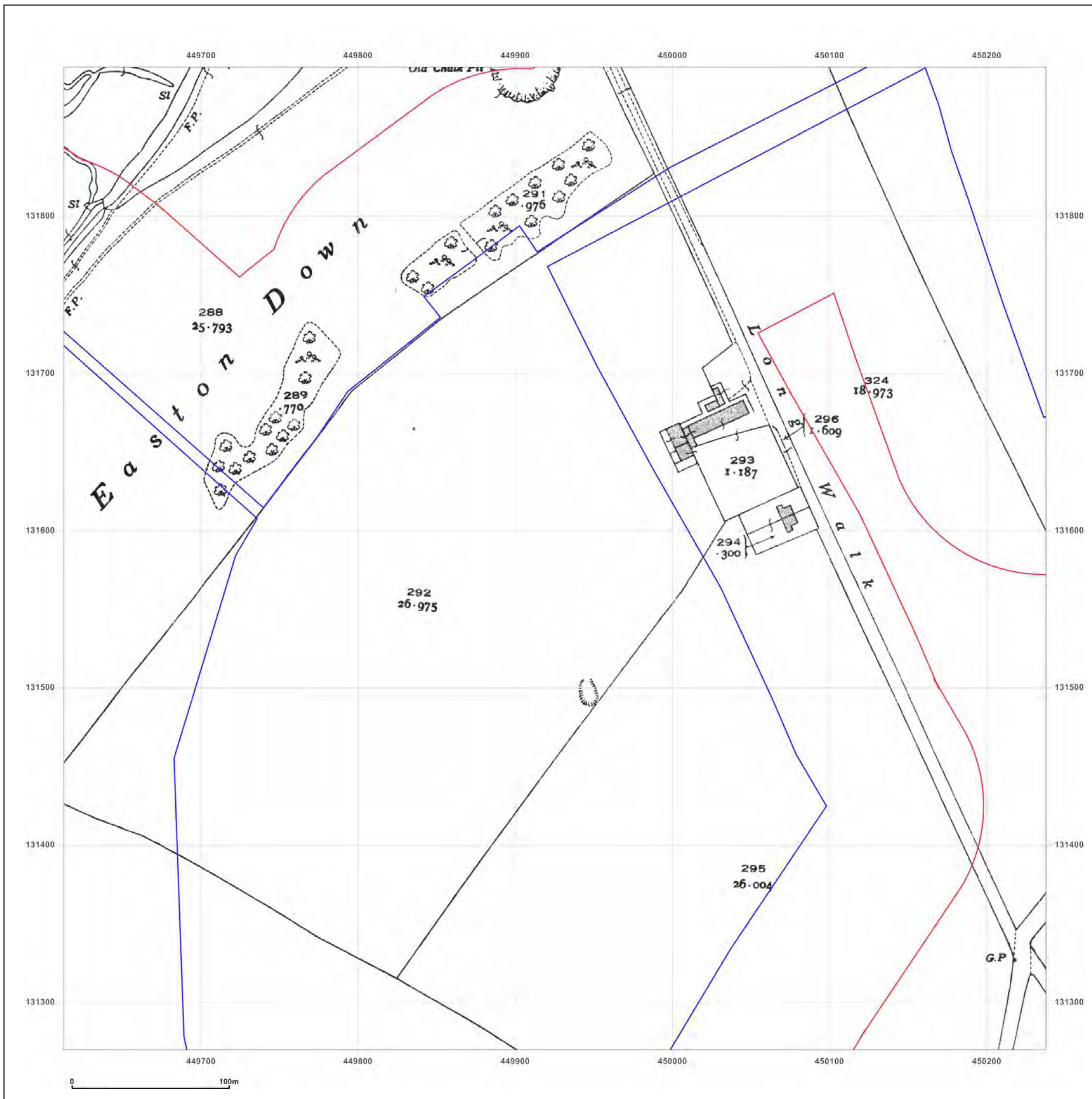


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Production date: 07 October 2020

Map legend available at:



Site Details:

449969.3362893146,
131042.05233653993

Client Ref: 33689-_M3J9-Site_2
Report Ref: GS-7137933_LS_2_4
Grid Ref: 449925, 131582

Map Name: National Grid

Map date: 1962

Scale: 1:2,500

Printed at: 1:2,500



Surveyed 1962
Revised 1962
Edition N/A
Copyright 1963
Levelled 1959

Surveyed 1962
Revised 1962
Edition N/A
Copyright 1963
Levelled 1959

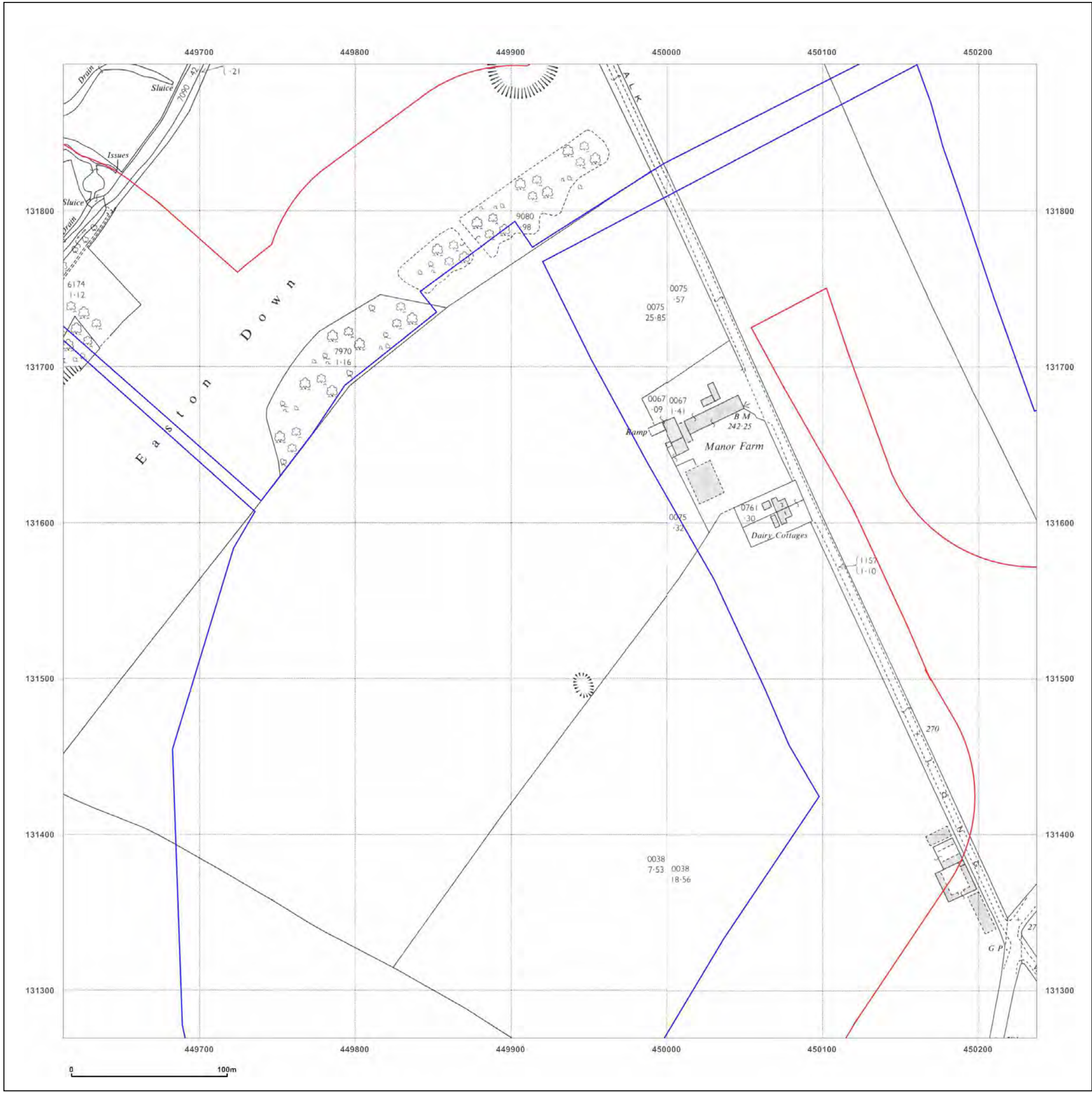


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Production date: 07 October 2020

Map legend available at:



Site Details:

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131042.05233653993

Client Ref: 33689-_M3J9-Site_2
Report Ref: GS-7137933_LS_2_4
Grid Ref: 449925, 131582

Map Name: National Grid

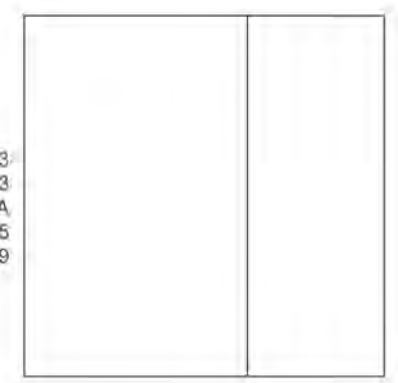
Map date: 1973

Scale: 1:2,500

Printed at: 1:2,500



Surveyed 1973
Revised 1973
Edition N/A
Copyright 1975
Levelled 1959

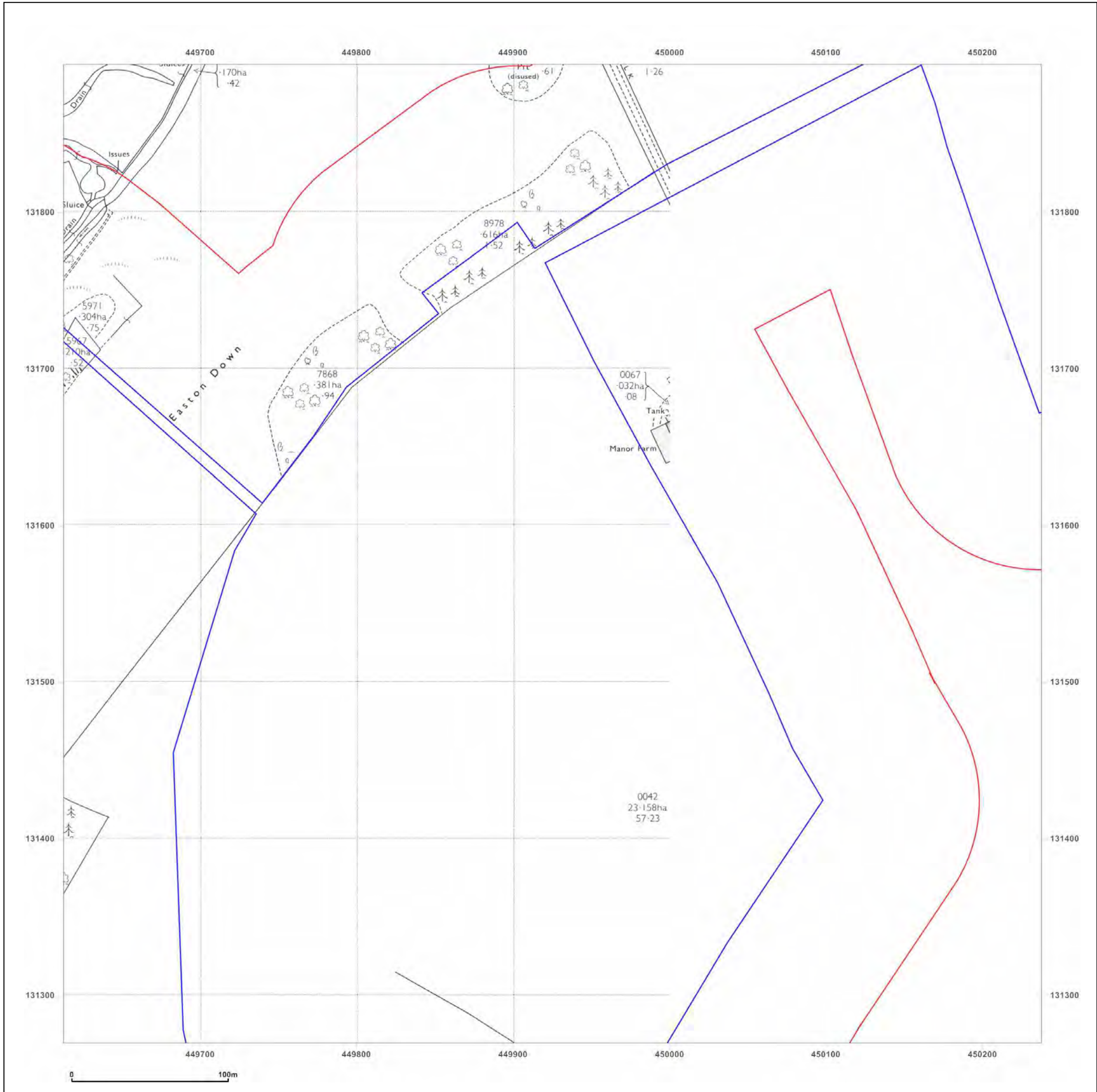


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Production date: 07 October 2020

Map legend available at:



Site Details:

449969.3362893146,
131042.05233653993

Client Ref: 33689-_M3J9-Site_2
Report Ref: GS-7137933_LS_2_4
Grid Ref: 449925, 131582

Map Name: National Grid

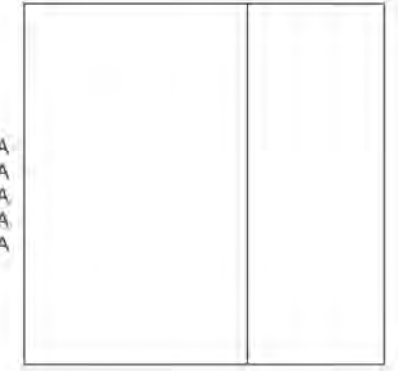
Map date: 1975

Scale: 1:2,500

Printed at: 1:2,500



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

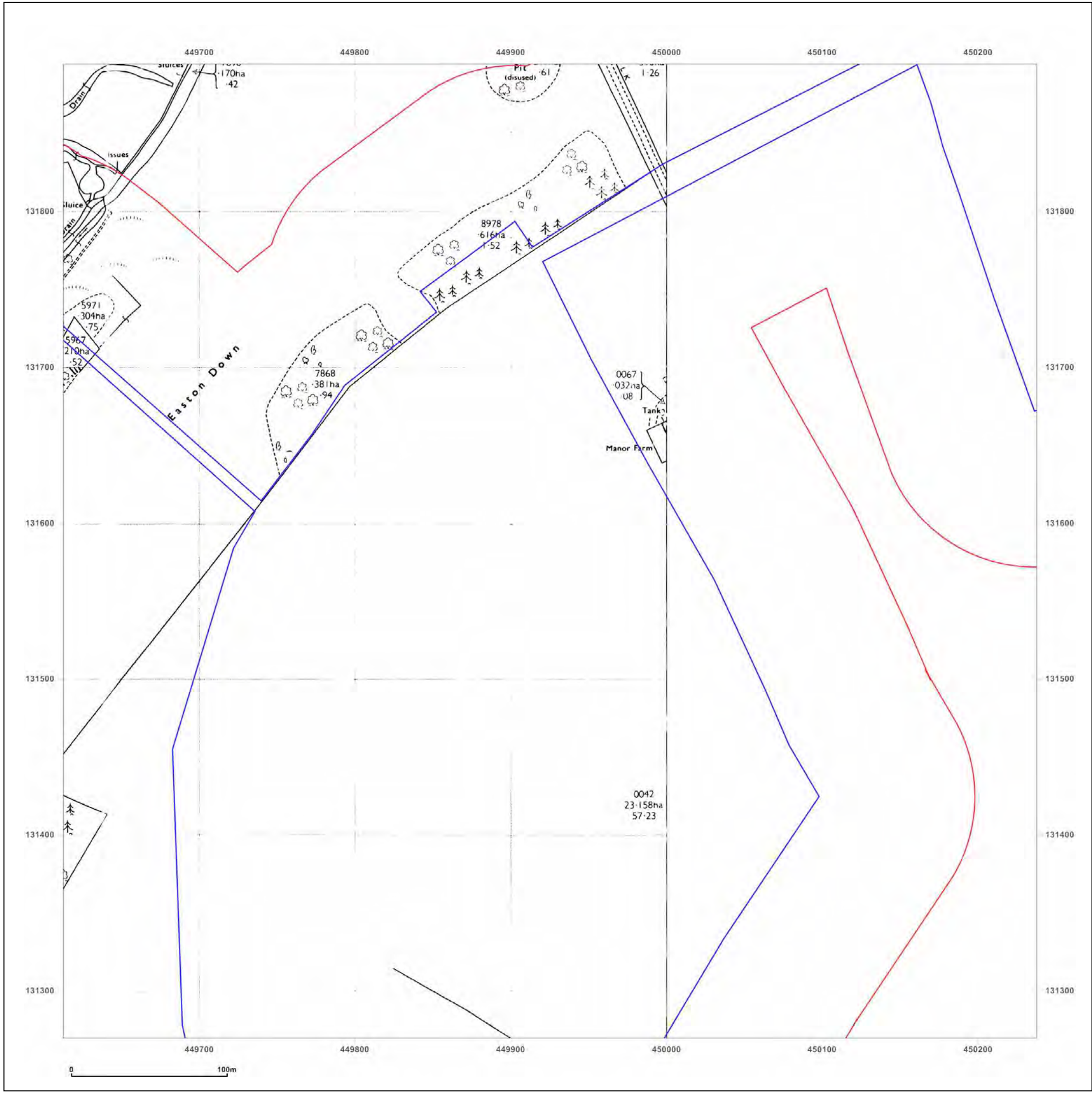


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Production date: 07 October 2020

Map legend available at:



Site Details:

449969.3362893146,
131042.05233653993

Client Ref: 33689-_M3J9-Site_2
Report Ref: GS-7137933_LS_2_4
Grid Ref: 449925, 131582

Map Name: National Grid

Map date: 1987

Scale: 1:2,500

Printed at: 1:2,500



Surveyed N/A
Revised N/A
Edition N/A
Copyright 1987
Levelled 1958

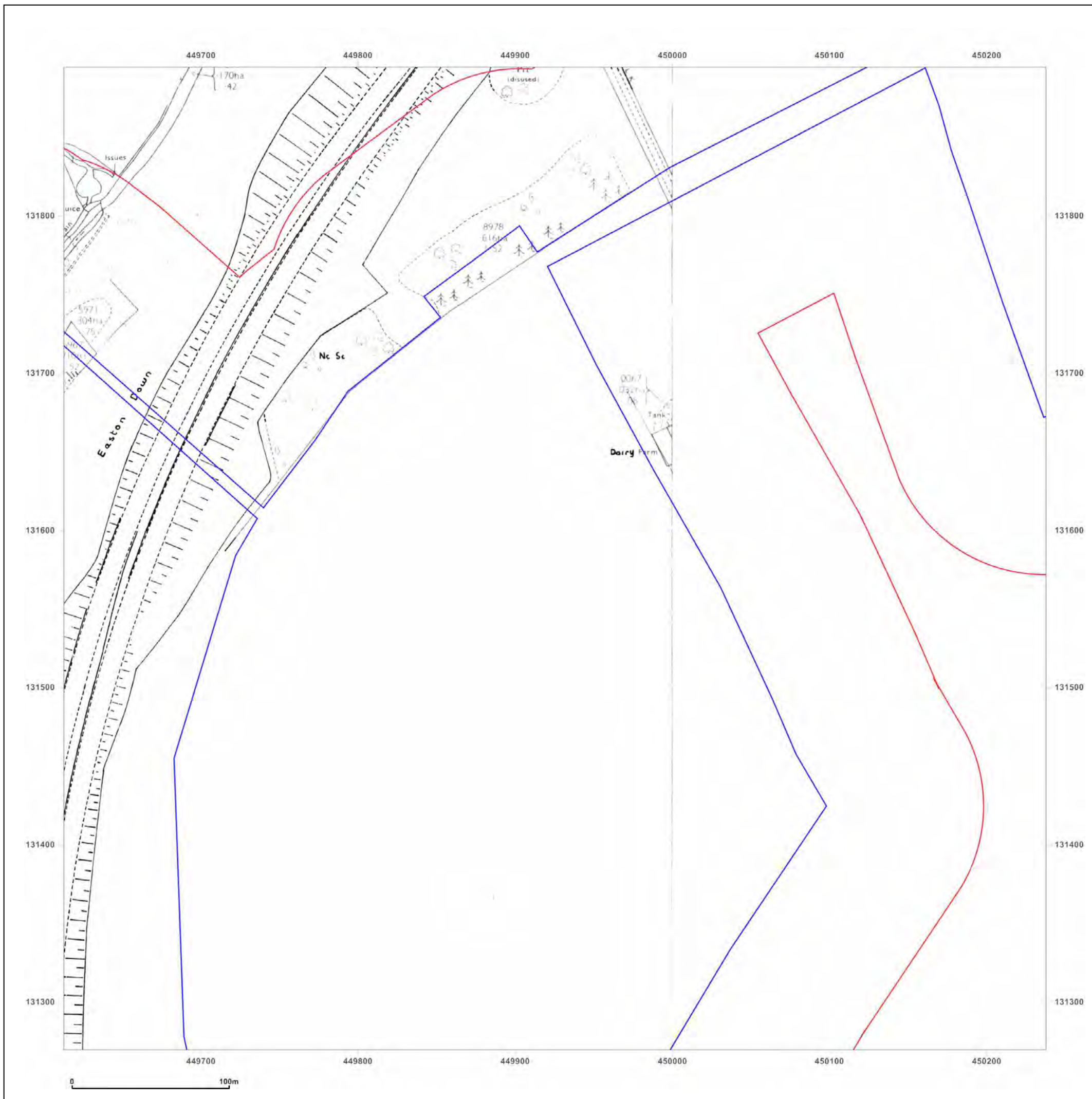


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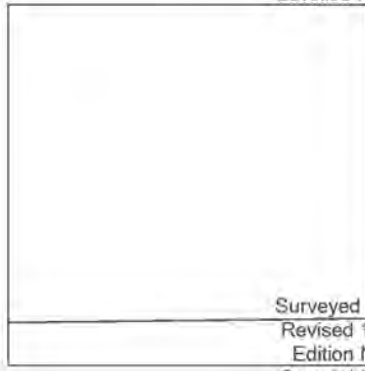
Map legend available at:



Site Details:
 449969.3362893146,
 131042.05233653993

Client Ref: 33689-_M3J9-Site_2
Report Ref: GS-7137933_LS_2_5
Grid Ref: 449925, 132208

Map Name: County Series
Map date: 1869-1870
Scale: 1:2,500
Printed at: 1:2,500

Surveyed 1870
 Revised 1870
 Edition N/A
 Copyright N/A
 Levelled N/A

Surveyed 1869
 Revised 1869
 Edition N/A
 Copyright N/A
 Levelled N/A



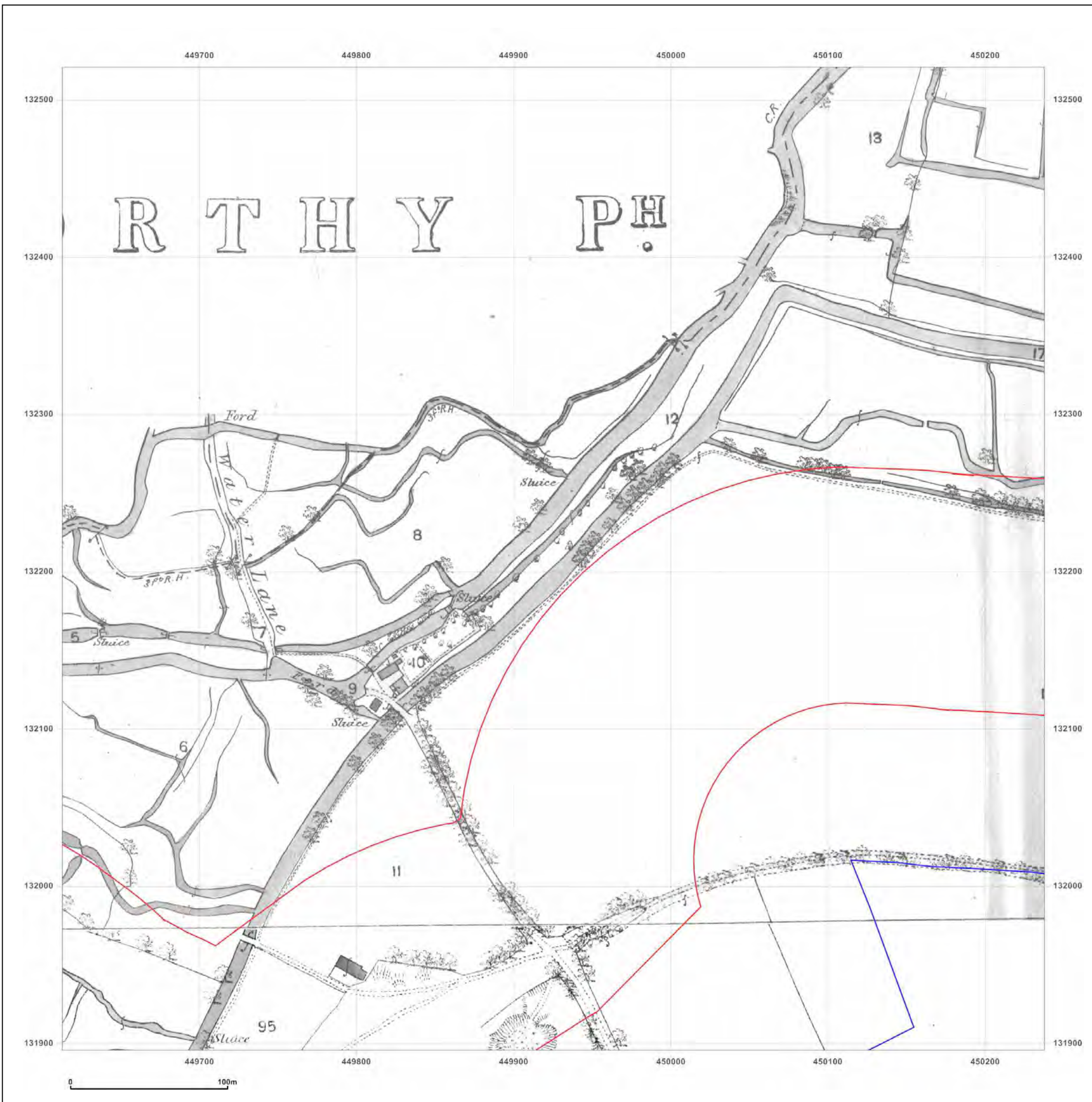
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Production date: 07 October 2020

Map legend available at: [\[Link\]](#)





Site Details:

449969.3362893146,
131042.05233653993

Client Ref: 33689-_M3J9-Site_2
Report Ref: GS-7137933_LS_2_5
Grid Ref: 449925, 132208

Map Name: County Series

Map date: 1870

Scale: 1:2,500

Printed at: 1:2,500



Surveyed 1870
Revised 1870
Edition N/A
Copyright N/A
Levelled N/A

Surveyed 1870
Revised 1870
Edition N/A
Copyright N/A
Levelled N/A



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Production date: 07 October 2020

Map legend available at:

Site Details:

449969.3362893146,
131042.05233653993

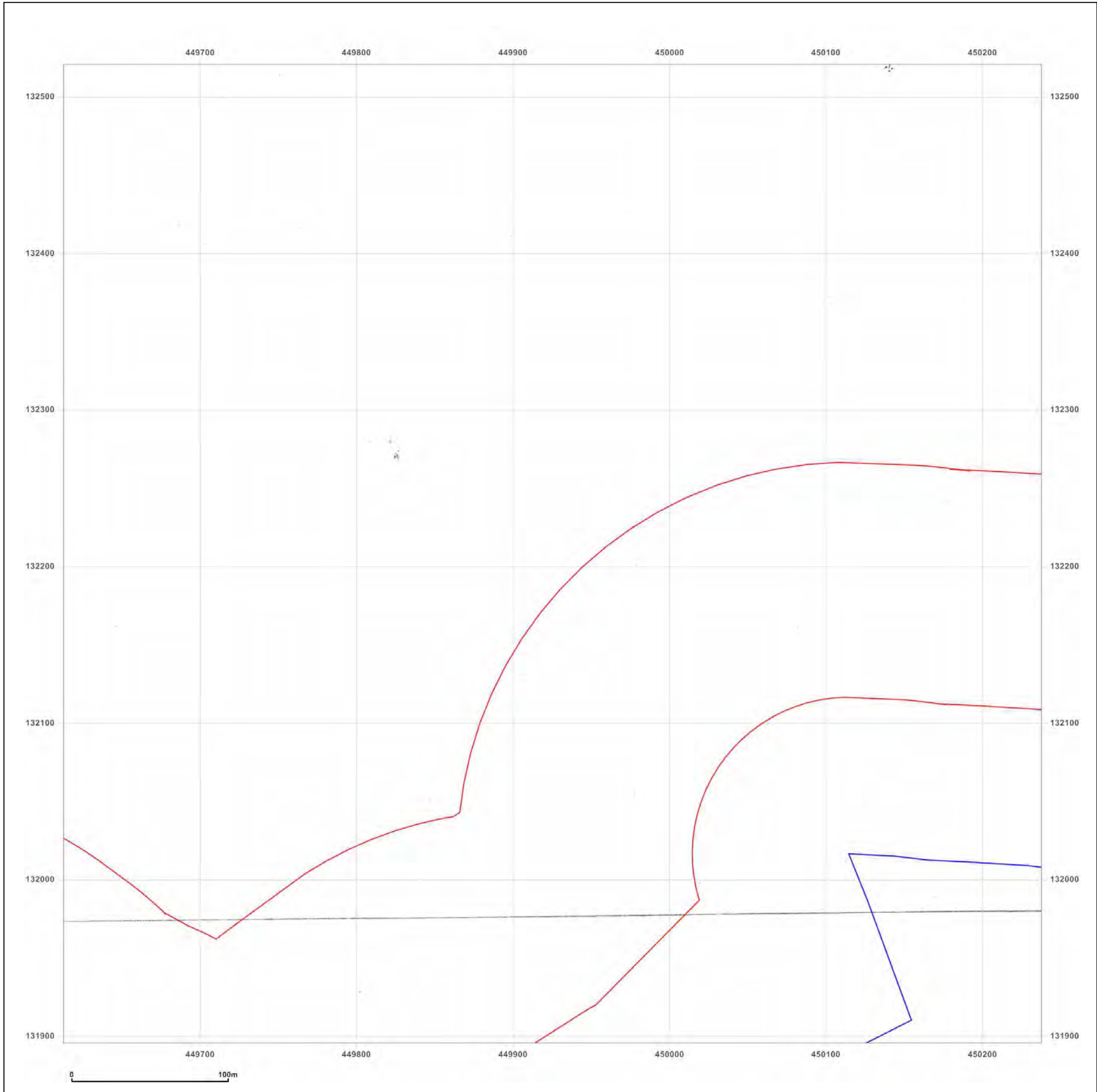
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Report Ref: GS-7137933_LS_2_5
Grid Ref: 449925, 132208

Map Name: County Series

Map date: 1870

Scale: 1:2,500

Printed at: 1:2,500



Surveyed 1870
Revised 1870
Edition N/A
Copyright N/A
Levelled N/A

Surveyed 1870
Revised 1870
Edition N/A
Copyright N/A
Levelled N/A



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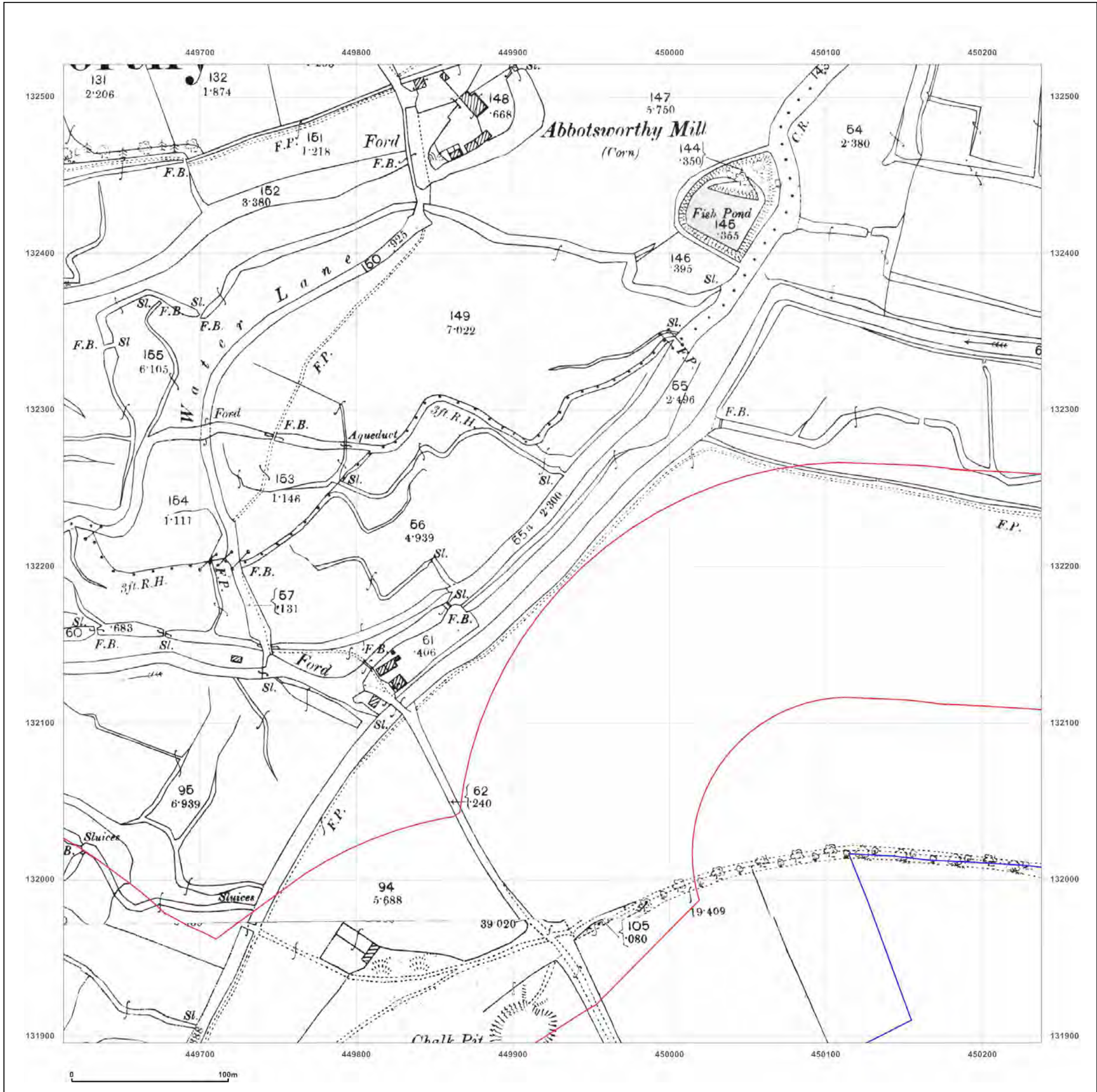
Production date: 07 October 2020

Map legend available at:

Site Details:
 449969.3362893146,
 131042.05233653993

Client Ref: 33689-_M3J9-Site_2
Report Ref: GS-7137933_LS_2_5
Grid Ref: 449925, 132208

Map Name: County Series
Map date: 1896
Scale: 1:2,500
Printed at: 1:2,500



Surveyed 1896
 Revised 1896
 Edition N/A
 Copyright N/A
 Levelled N/A

Surveyed 1896
 Revised 1896
 Edition N/A
 Copyright N/A
 Levelled N/A



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Production date: 07 October 2020

Map legend available at: 

Site Details:

449969.3362893146,
131042.05233653993

Client Ref: 33689-_M3J9-Site_2
Report Ref: GS-7137933_LS_2_5
Grid Ref: 449925, 132208

Map Name: National Grid

Map date: 1962-1963

Scale: 1:2,500

Printed at: 1:2,500



Surveyed 1963
Revised 1963
Edition N/A
Copyright 1964
Levelled 1959

Surveyed 1962
Revised 1962
Edition N/A
Copyright 1964
Levelled 1958

Surveyed 1962
Revised 1962
Edition N/A
Copyright 1963
Levelled 1959

Surveyed 1962
Revised 1962
Edition N/A
Copyright 1963
Levelled 1959

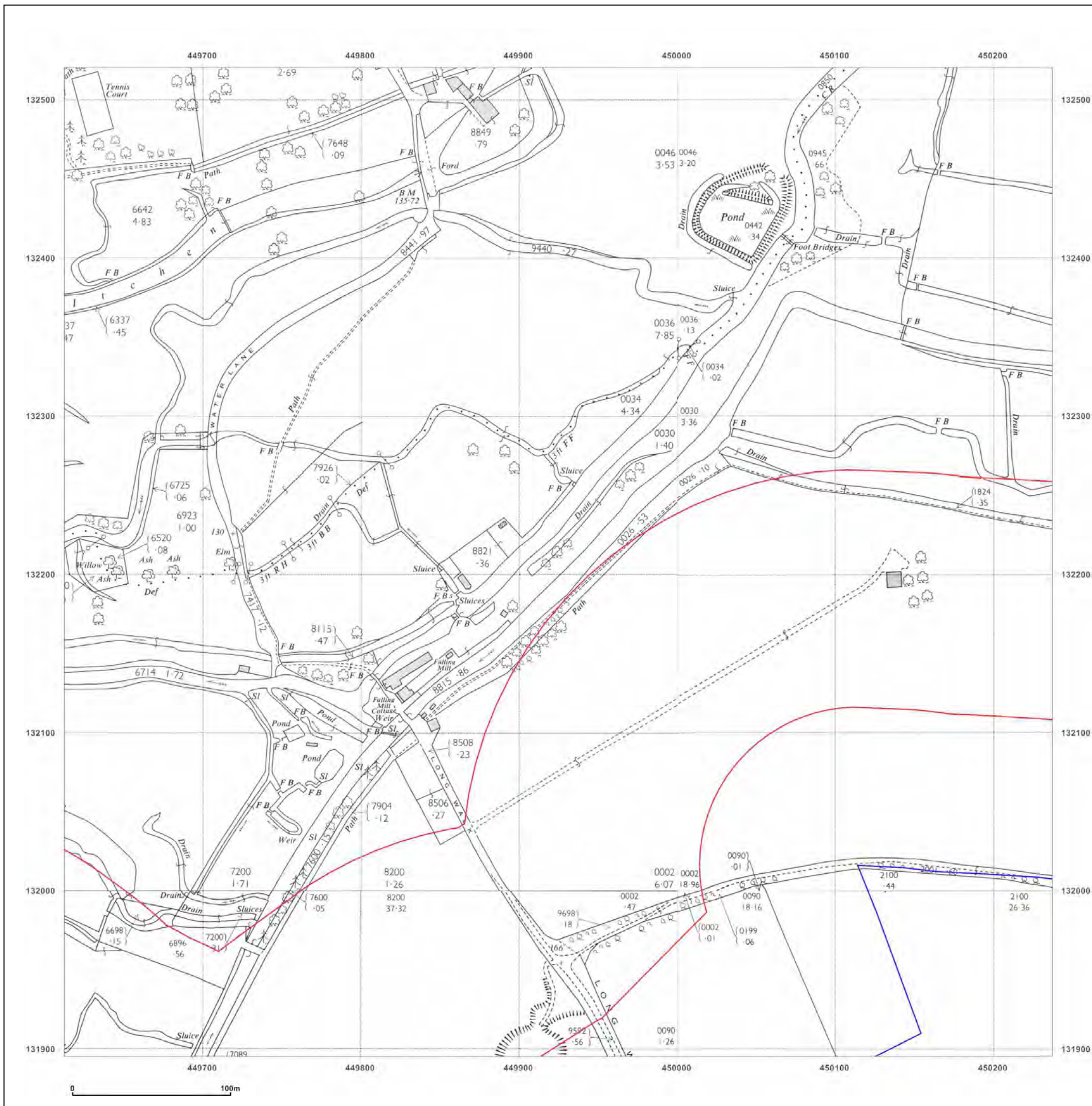


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Production date: 07 October 2020

Map legend available at:



Site Details:

449969.3362893146,
131042.05233653993

Client Ref: 33689-_M3J9-Site_2
Report Ref: GS-7137933_LS_2_5
Grid Ref: 449925, 132208

Map Name: National Grid

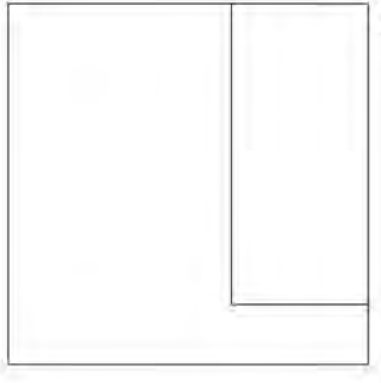
Map date: 1964

Scale: 1:2,500

Printed at: 1:2,500



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

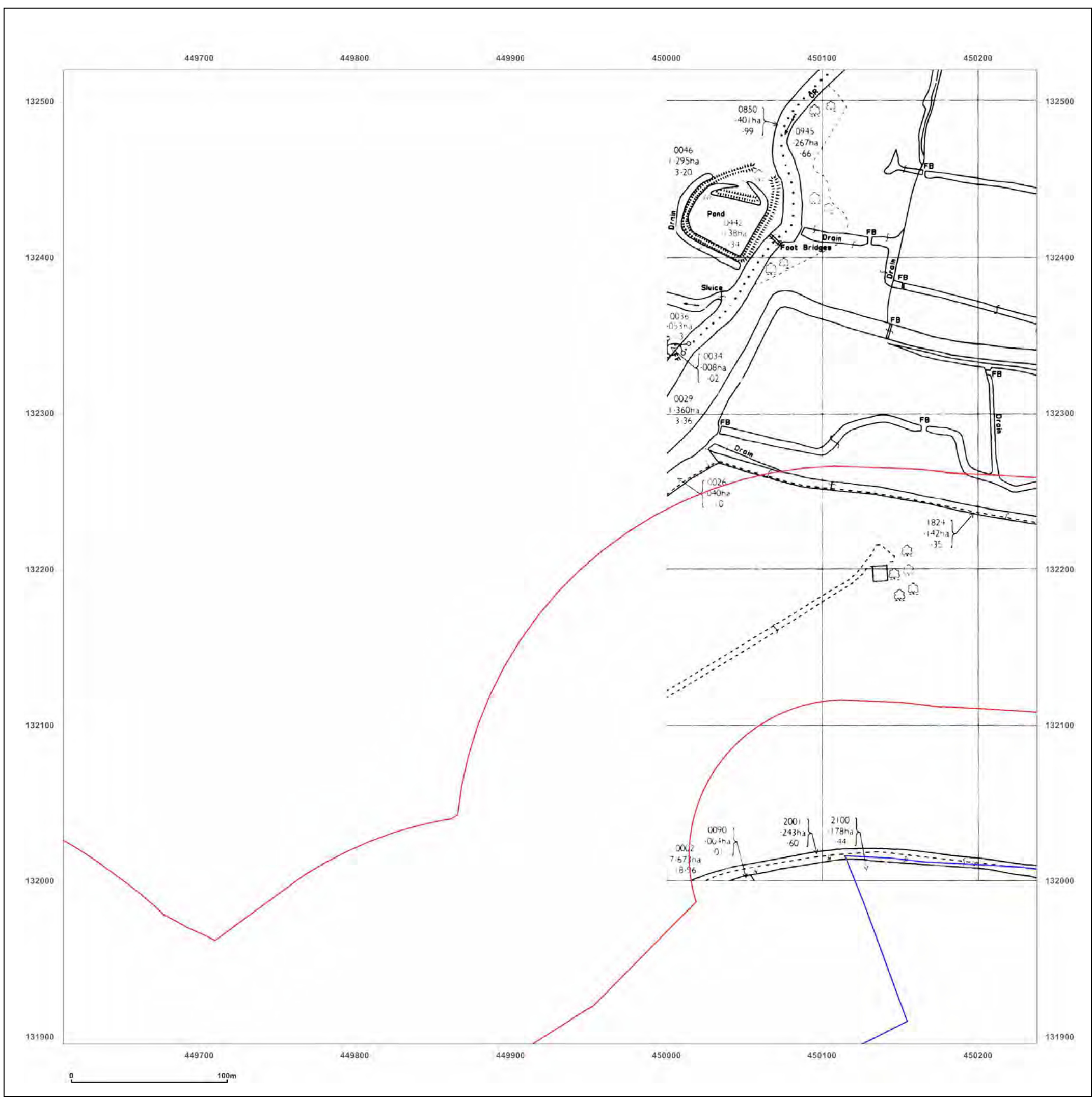



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Production date: 07 October 2020

Map legend available at:



Site Details:

449969.3362893146,
131042.05233653993

Client Ref: 33689-_M3J9-Site_2
Report Ref: GS-7137933_LS_2_5
Grid Ref: 449925, 132208

Map Name: National Grid

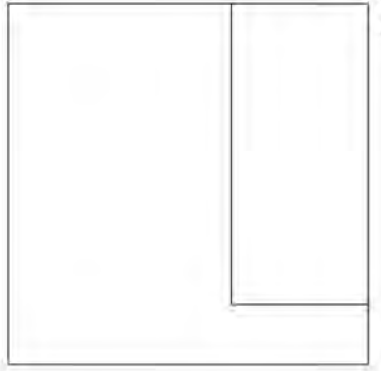
Map date: 1964

Scale: 1:2,500

Printed at: 1:2,500



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

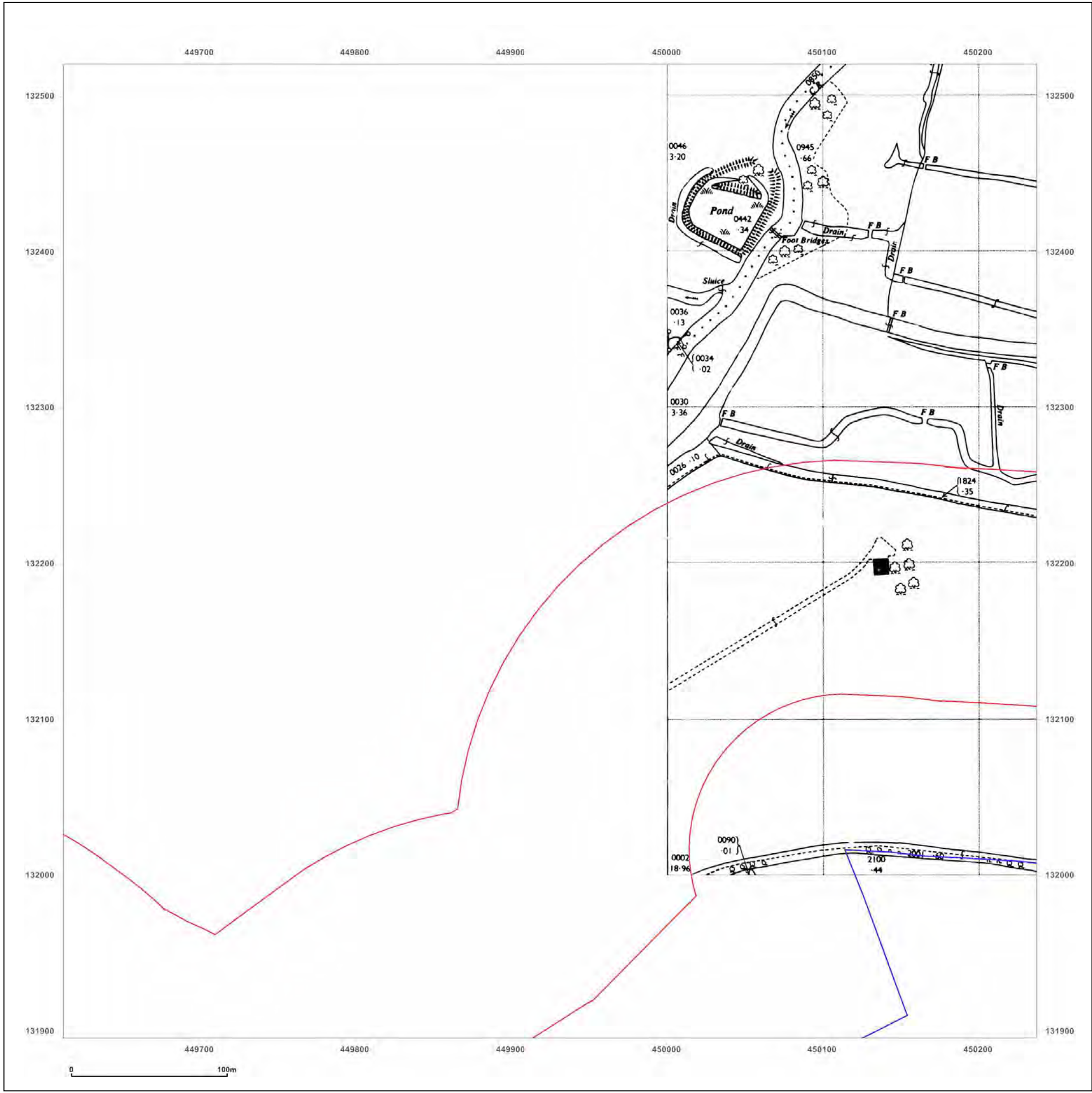



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Production date: 07 October 2020

Map legend available at:



Site Details:

449969.3362893146,
131042.05233653993

Client Ref: 33689_M3J9-Site_2
Report Ref: GS-7137933_LS_2_5
Grid Ref: 449925, 132208

Map Name: National Grid

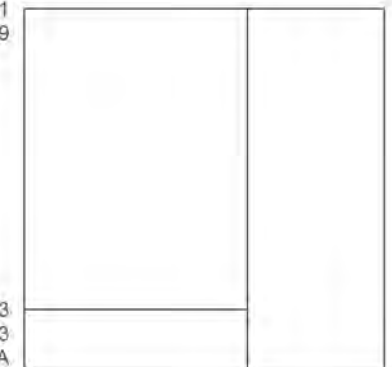
Map date: 1971-1973

Scale: 1:2,500

Printed at: 1:2,500



Surveyed 1971
Revised 1971
Edition N/A
Copyright 1971
Levelled 1959



Surveyed 1973
Revised 1973
Edition N/A
Copyright 1975
Levelled 1959

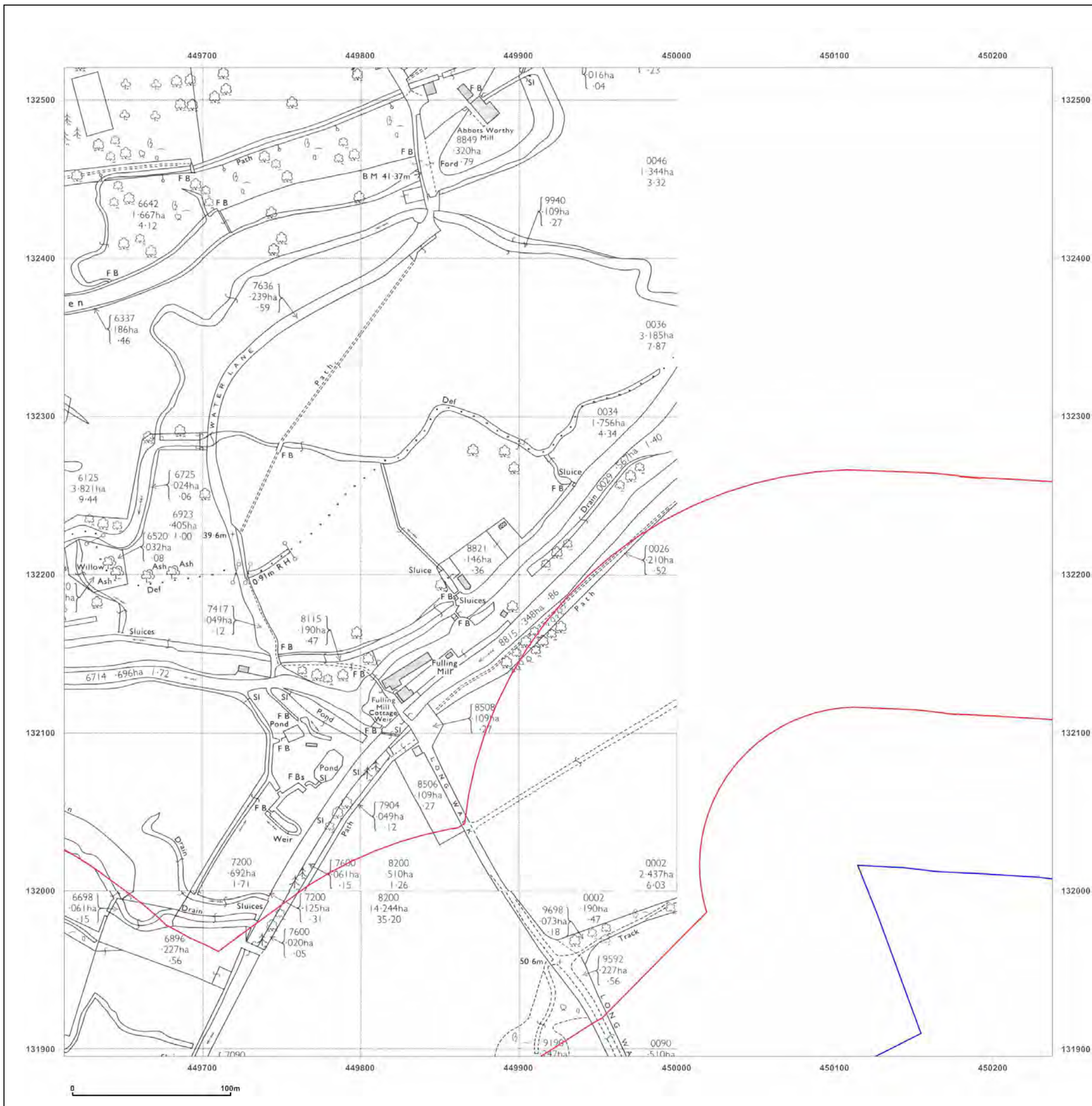


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Production date: 07 October 2020

Map legend available at:



Site Details:

449969.3362893146,
131042.05233653993

Client Ref: 33689_M3J9-Site_2
Report Ref: GS-7137933_LS_2_5
Grid Ref: 449925, 132208

Map Name: National Grid

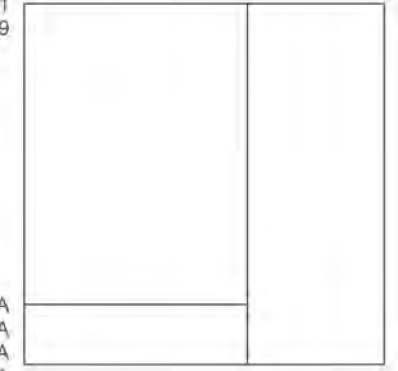
Map date: 1975-1978

Scale: 1:2,500

Printed at: 1:2,500



Surveyed 1978
Revised 1978
Edition N/A
Copyright 1981
Levelled 1959



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

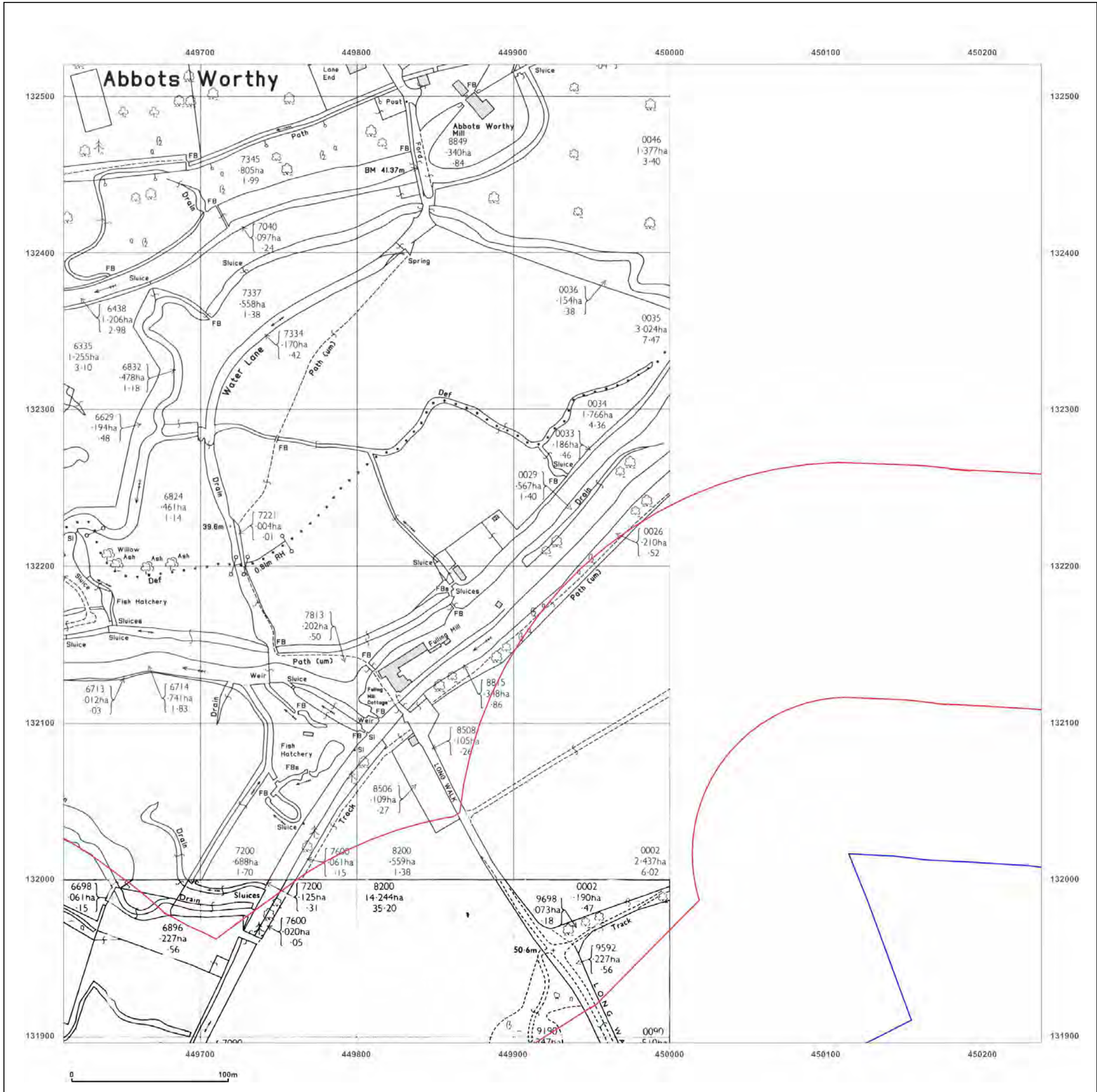


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Production date: 07 October 2020

Map legend available at:



Site Details:

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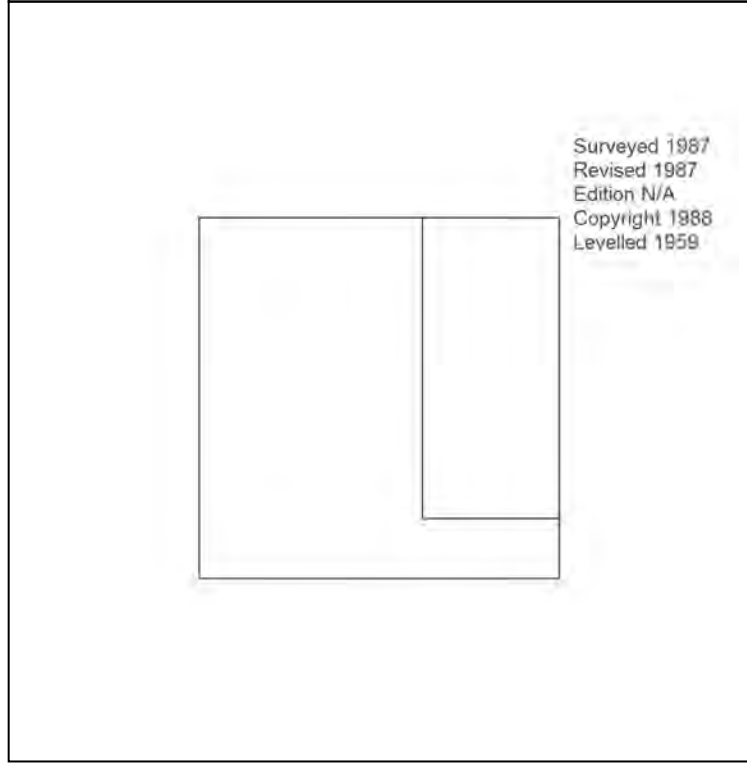
Client Ref: 33689-_M3J9-Site_2
Report Ref: GS-7137933_LS_2_5
Grid Ref: 449925, 132208

Map Name: National Grid

Map date: 1987

Scale: 1:2,500

Printed at: 1:2,500



Surveyed 1987
Revised 1987
Edition N/A
Copyright 1988
Levelled 1959

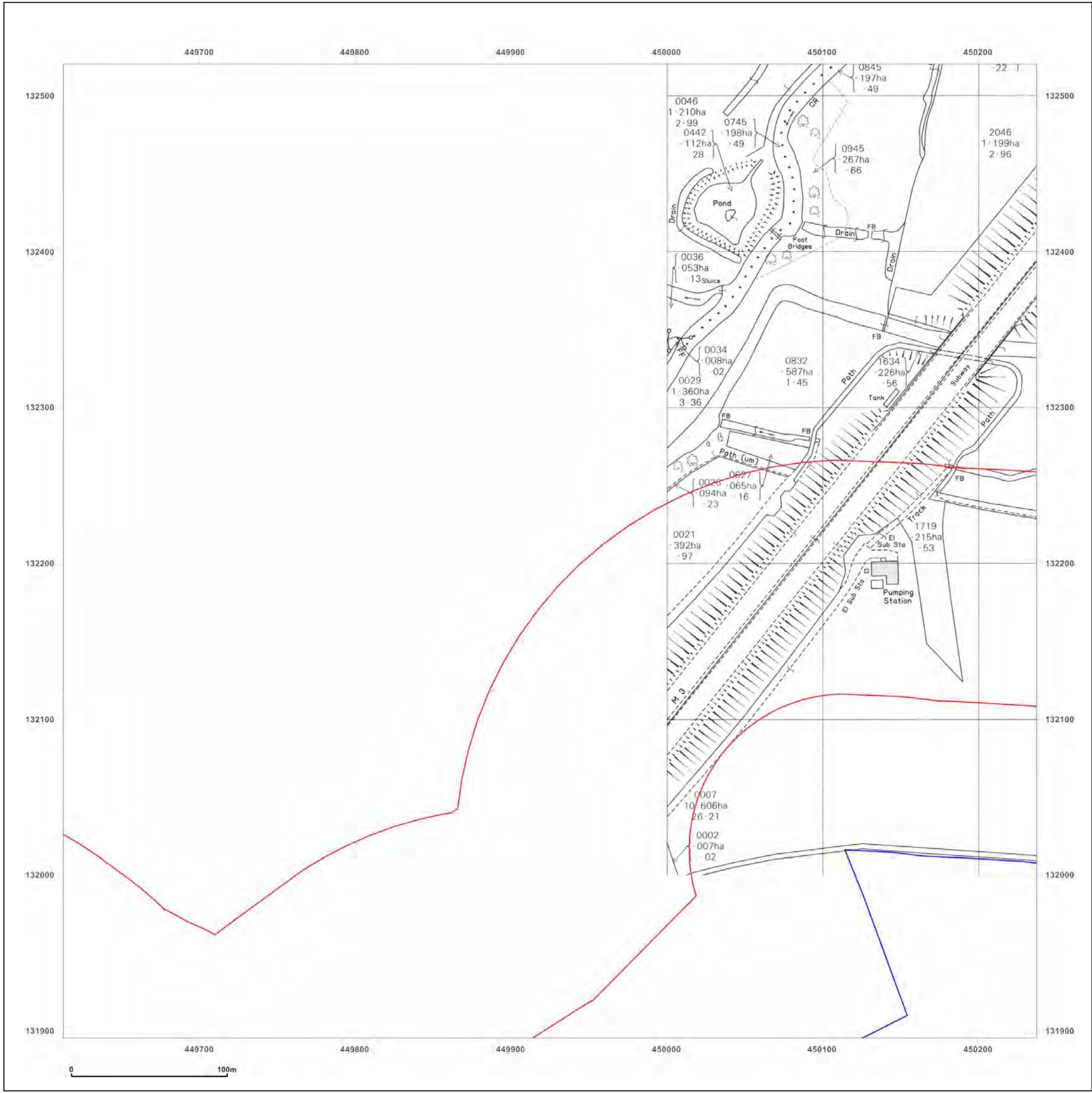


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Production date: 07 October 2020

Map legend available at:



Site Details:

449969.3362893146,
131042.05233653993

Client Ref: 33689-_M3J9-Site_2
Report Ref: GS-7137933_LS_2_5
Grid Ref: 449925, 132208

Map Name: National Grid

Map date: 1986-1989

Scale: 1:2,500

Printed at: 1:2,500



Surveyed 1959
Revised 1989
Edition N/A
Copyright 1989
Levelled 1959

Surveyed 1958
Revised 1986
Edition N/A
Copyright 1986
Levelled 1958

Surveyed N/A
Revised N/A
Edition N/A
Copyright 1987
Levelled 1958

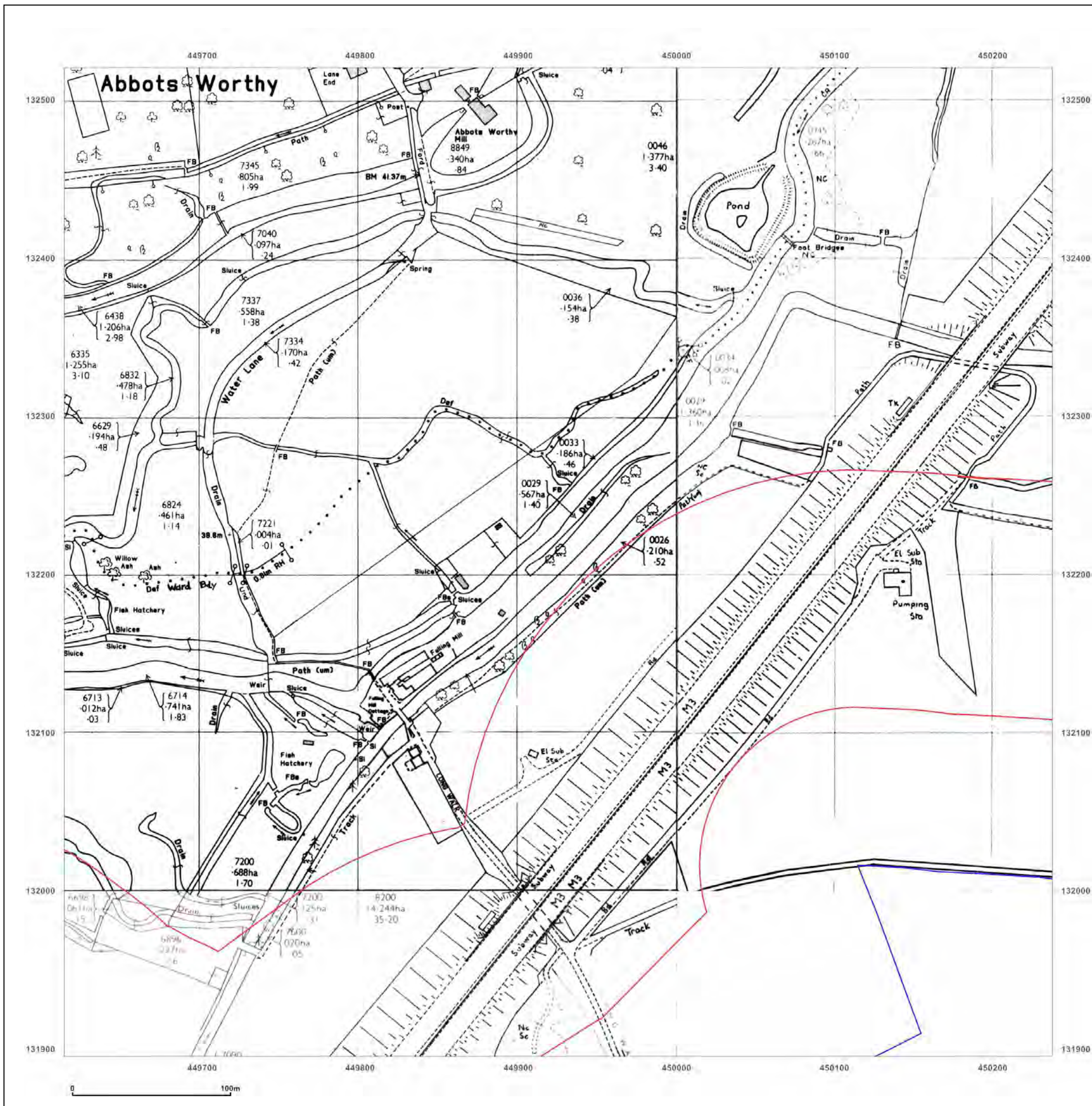


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Production date: 07 October 2020

Map legend available at:



Site Details:

449969.3362893146,
131042.05233653993

Client Ref: 33689-_M3J9-Site_2
Report Ref: GS-7137933_LS_2_5
Grid Ref: 449925, 132208

Map Name: National Grid

Map date: 1993-1994

Scale: 1:2,500

Printed at: 1:2,500



Surveyed 1993
Revised N/A
Edition N/A
Copyright 1993
Levelled N/A

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

Surveyed 1993
Revised 1993
Edition N/A
Copyright N/A
Levelled N/A

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

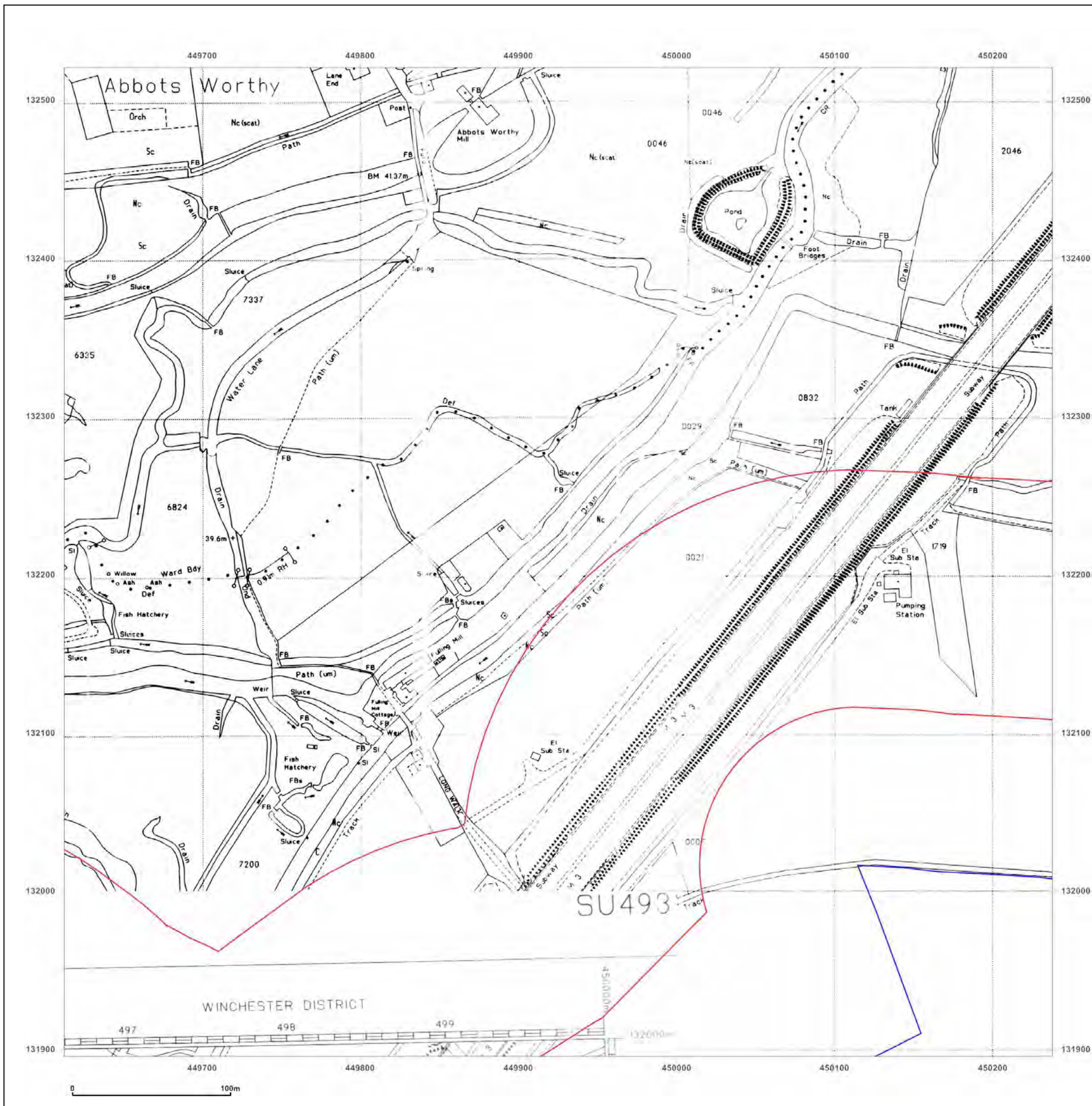


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Map legend available at:



Site Details:

449969.3362893146,
131042.05233653993

Client Ref: 33689-_M3J9-Site_2
Report Ref: GS-7137933_LS_3_1
Grid Ref: 450551, 129706

Map Name: County Series

Map date: 1870

Scale: 1:2,500

Printed at: 1:2,500



Surveyed 1870
Revised 1870
Edition N/A
Copyright N/A
Levelled N/A

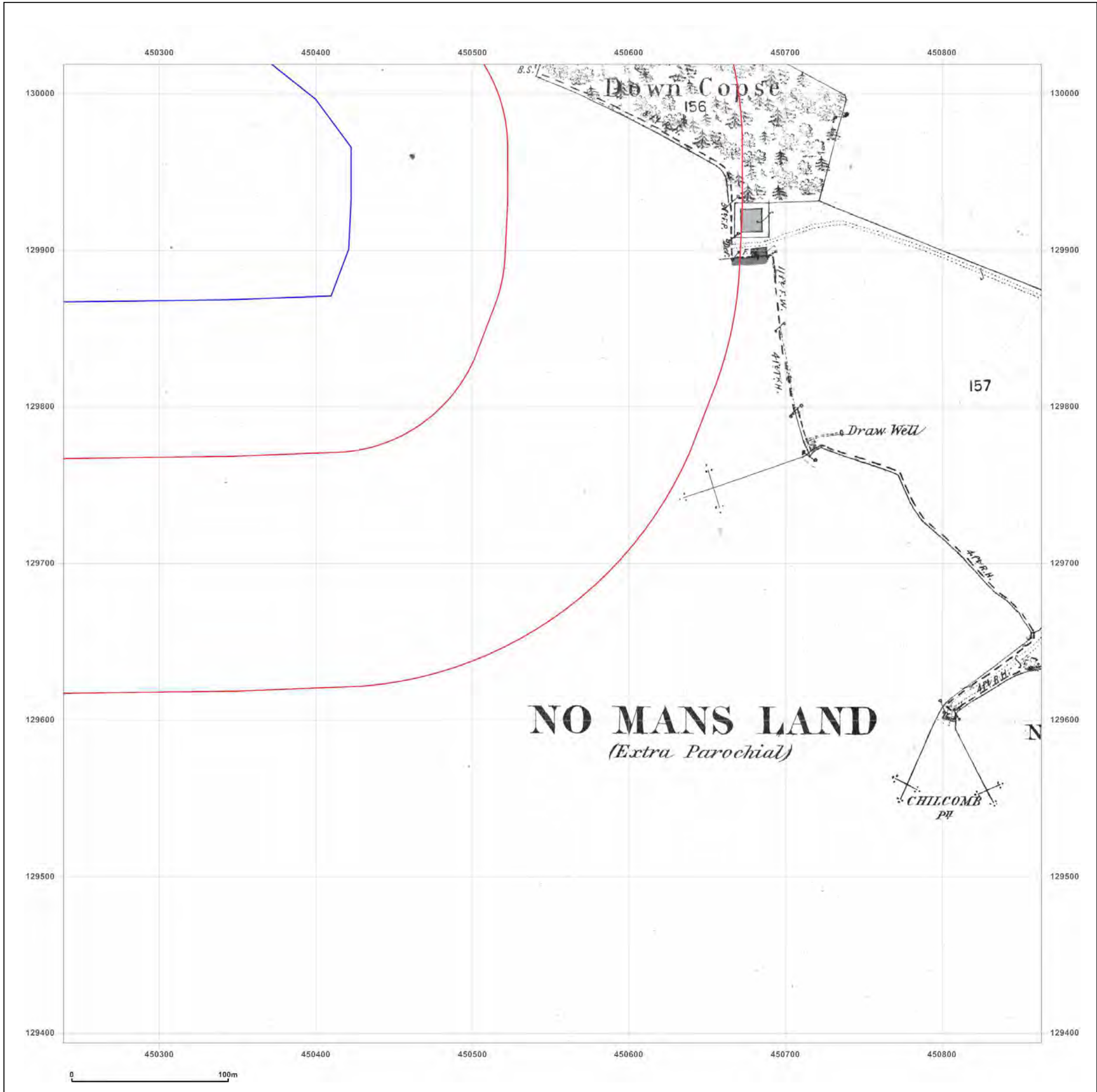


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Production date: 07 October 2020

Map legend available at:



Site Details:

449969.3362893146,
131042.05233653993

Client Ref: 33689-_M3J9-Site_2
Report Ref: GS-7137933_LS_3_1
Grid Ref: 450551, 129706

Map Name: County Series

Map date: 1870

Scale: 1:2,500

Printed at: 1:2,500



Surveyed 1870
Revised 1870
Edition N/A
Copyright N/A
Levelled N/A

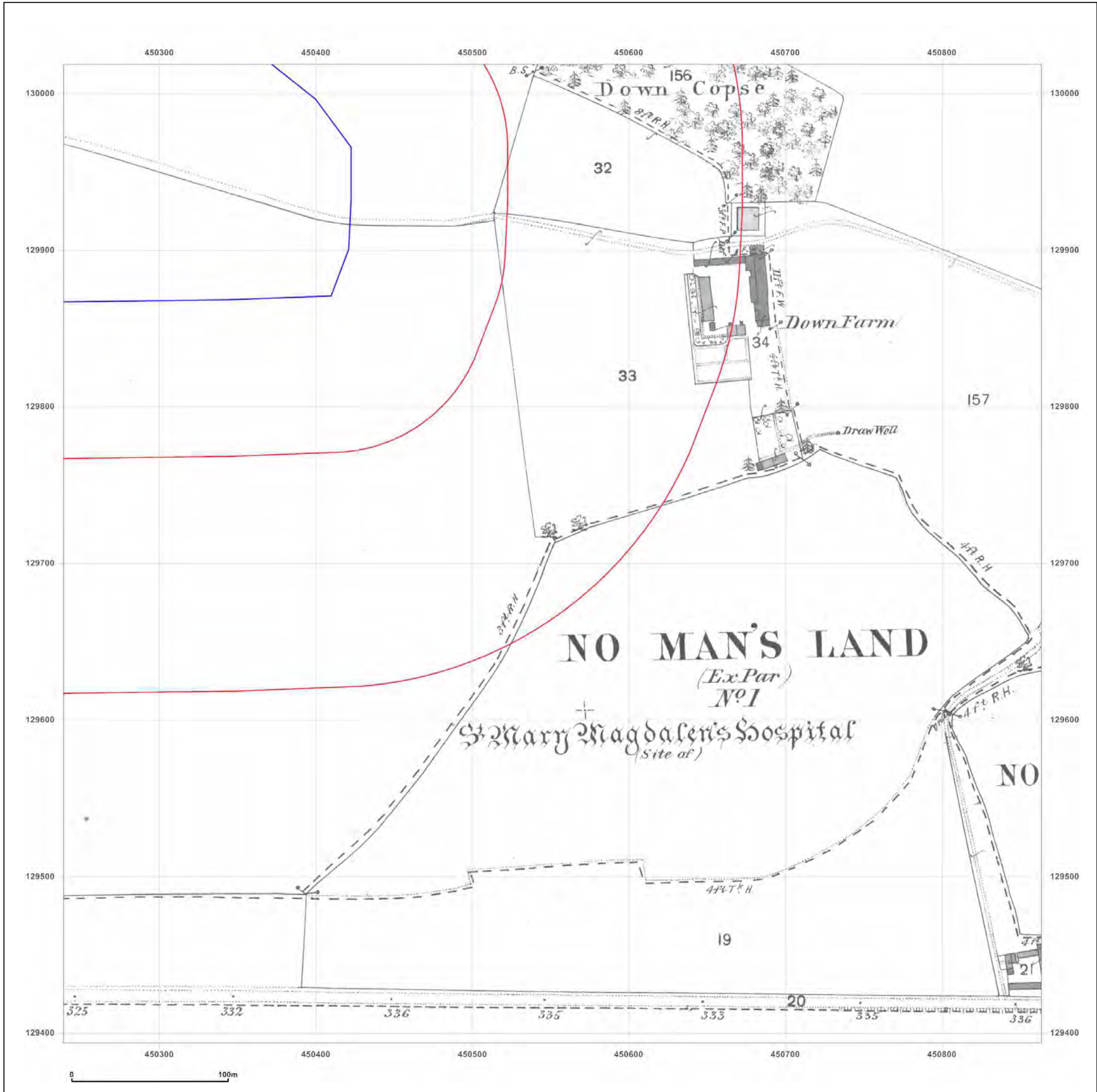


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Production date: 07 October 2020

Map legend available at:



Site Details:

449969.3362893146,
131042.05233653993

Client Ref: 33689-_M3J9-Site_2
Report Ref: GS-7137933_LS_3_1
Grid Ref: 450551, 129706

Map Name: County Series

Map date: 1896

Scale: 1:2,500

Printed at: 1:2,500



Surveyed 1896
Revised 1896
Edition N/A
Copyright N/A
Levelled N/A

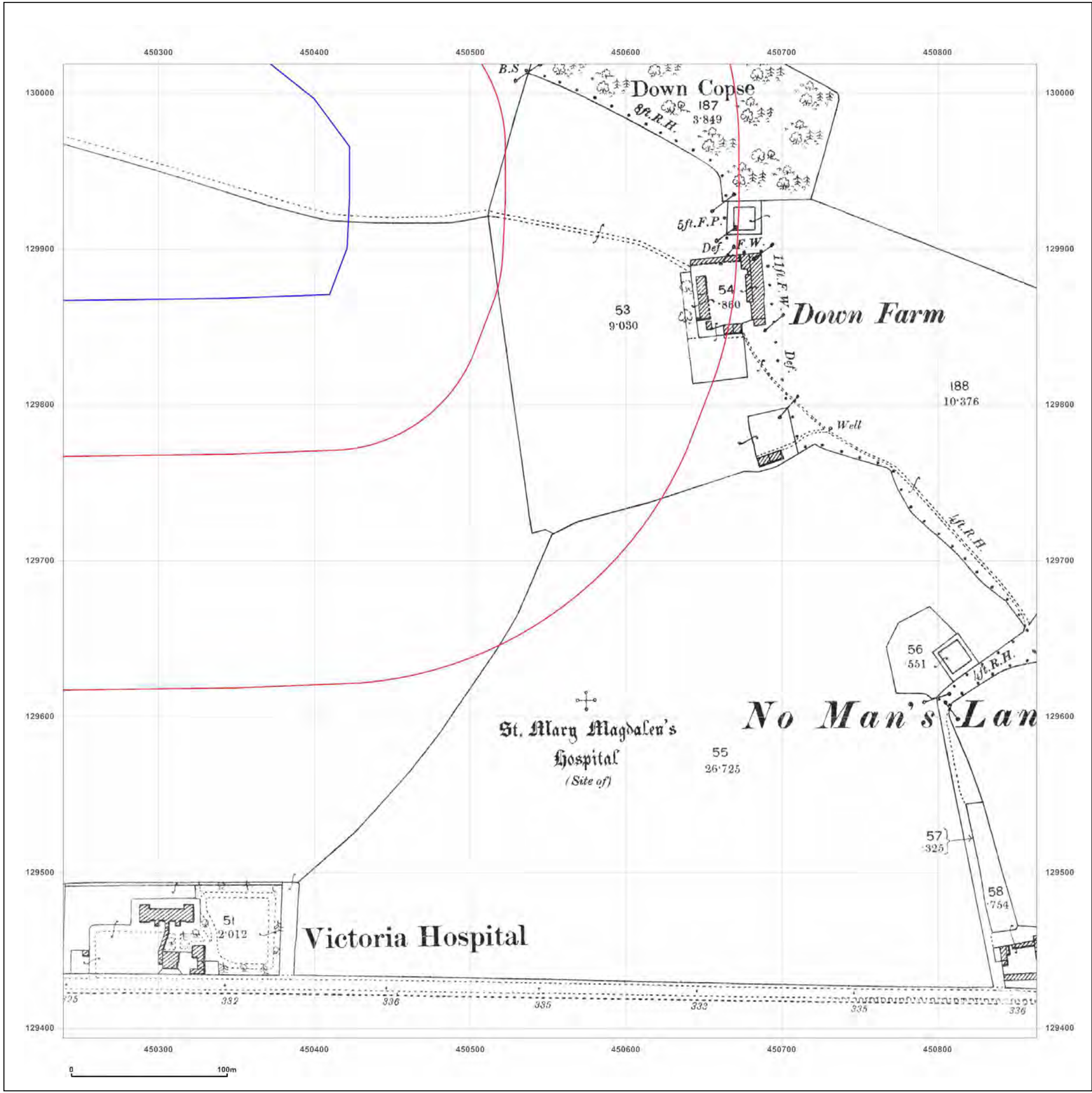


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Production date: 07 October 2020

Map legend available at:



Site Details:

449969.3362893146,
131042.05233653993

Client Ref: 33689-_M3J9-Site_2
Report Ref: GS-7137933_LS_3_1
Grid Ref: 450551, 129706

Map Name: County Series

Map date: 1909

Scale: 1:2,500

Printed at: 1:2,500



Surveyed 1909
Revised 1909
Edition N/A
Copyright N/A
Levelled N/A

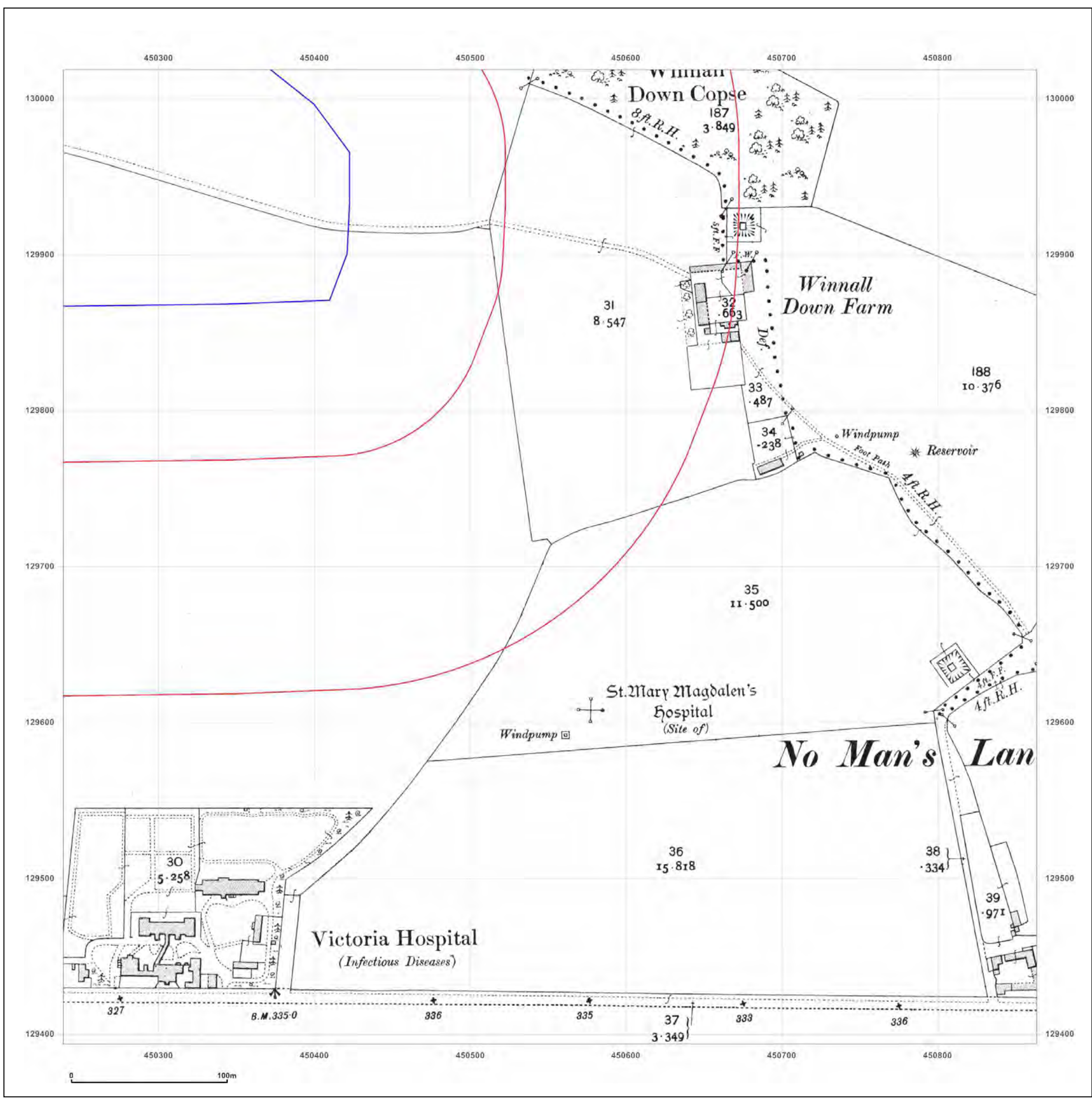


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Production date: 07 October 2020

Map legend available at:



Site Details:

449969.3362893146,
131042.05233653993

Client Ref: 33689-_M3J9-Site_2
Report Ref: GS-7137933_LS_3_1
Grid Ref: 450551, 129706

Map Name: County Series

Map date: 1932

Scale: 1:2,500

Printed at: 1:2,500



Surveyed 1932
Revised 1932
Edition N/A
Copyright N/A
Levelled N/A

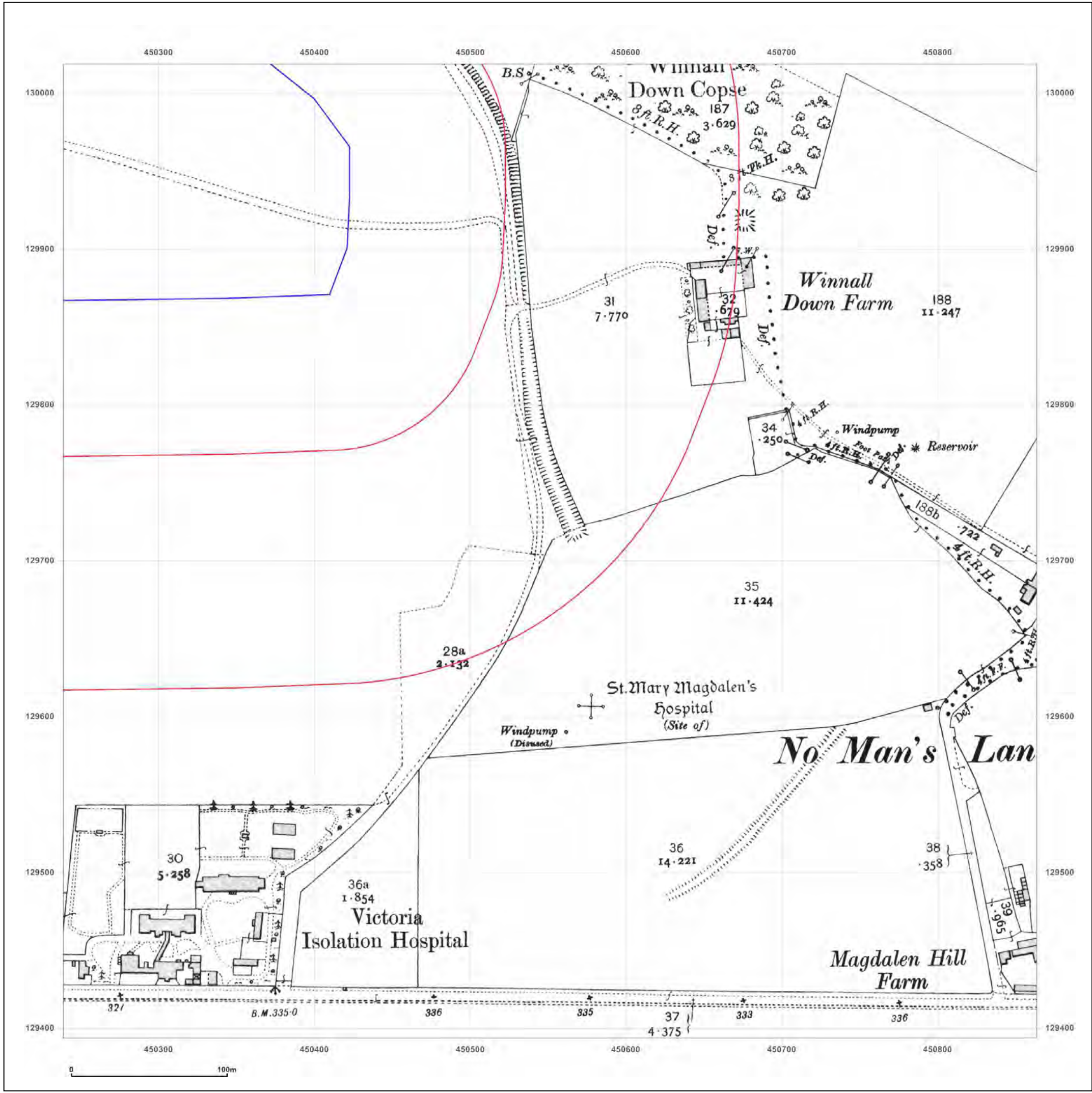


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Production date: 07 October 2020

Map legend available at:



Site Details:

449969.3362893146,
131042.05233653993

Client Ref: 33689_M3J9-Site_2
Report Ref: GS-7137933_LS_3_1
Grid Ref: 450551, 129706

Map Name: County Series

Map date: 1939

Scale: 1:2,500

Printed at: 1:2,500



Surveyed 1939
Revised 1939
Edition N/A
Copyright N/A
Levelled N/A

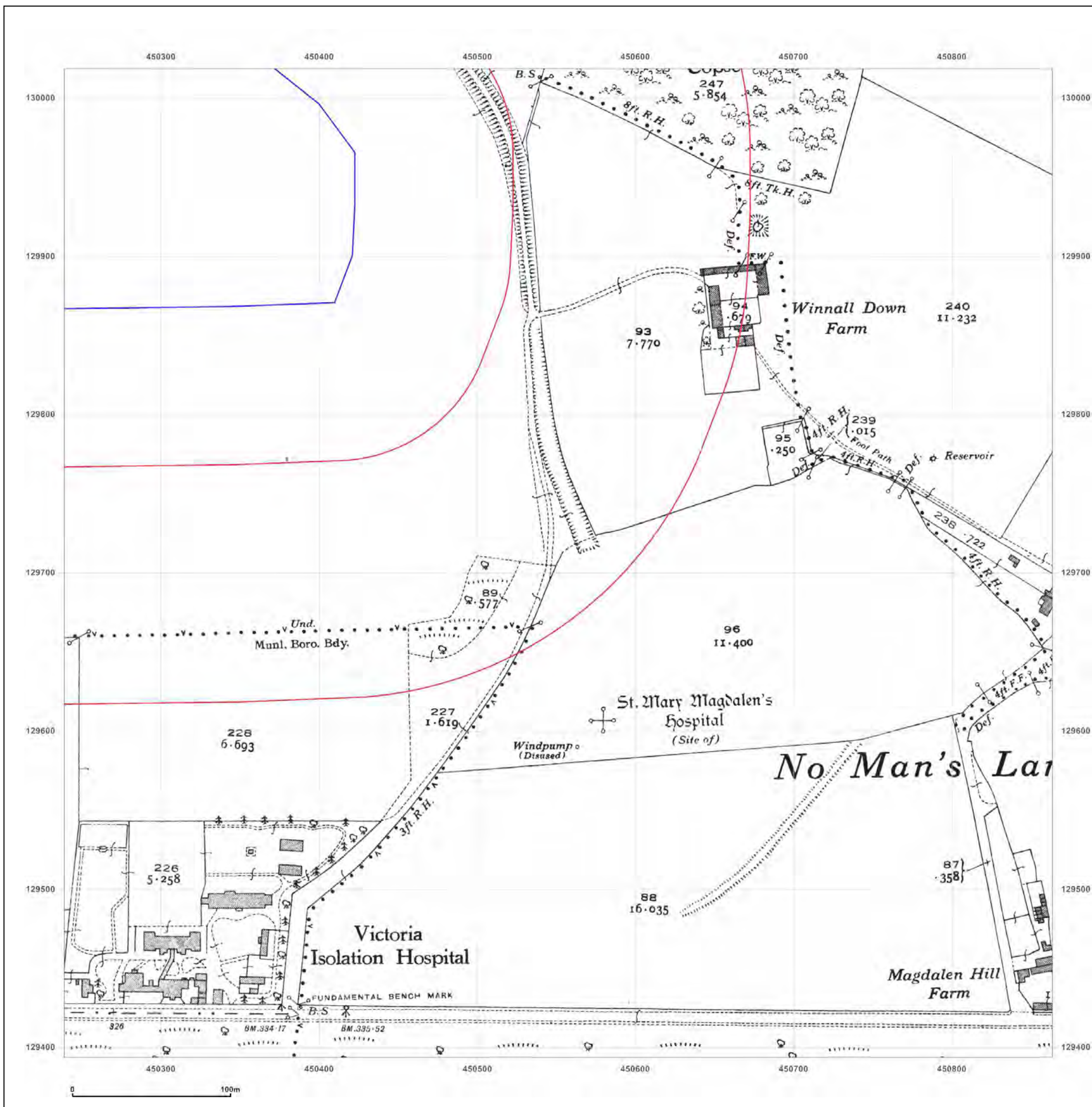


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Production date: 07 October 2020

Map legend available at:



Site Details:

449969.3362893146,
131042.05233653993

Client Ref: 33689-_M3J9-Site_2
Report Ref: GS-7137933_LS_3_1
Grid Ref: 450551, 129706

Map Name: National Grid

Map date: 1962

Scale: 1:2,500

Printed at: 1:2,500



Surveyed 1962
Revised 1962
Edition N/A
Copyright 1963
Levelled 1959

Surveyed 1962
Revised 1962
Edition N/A
Copyright 1963
Levelled 1959

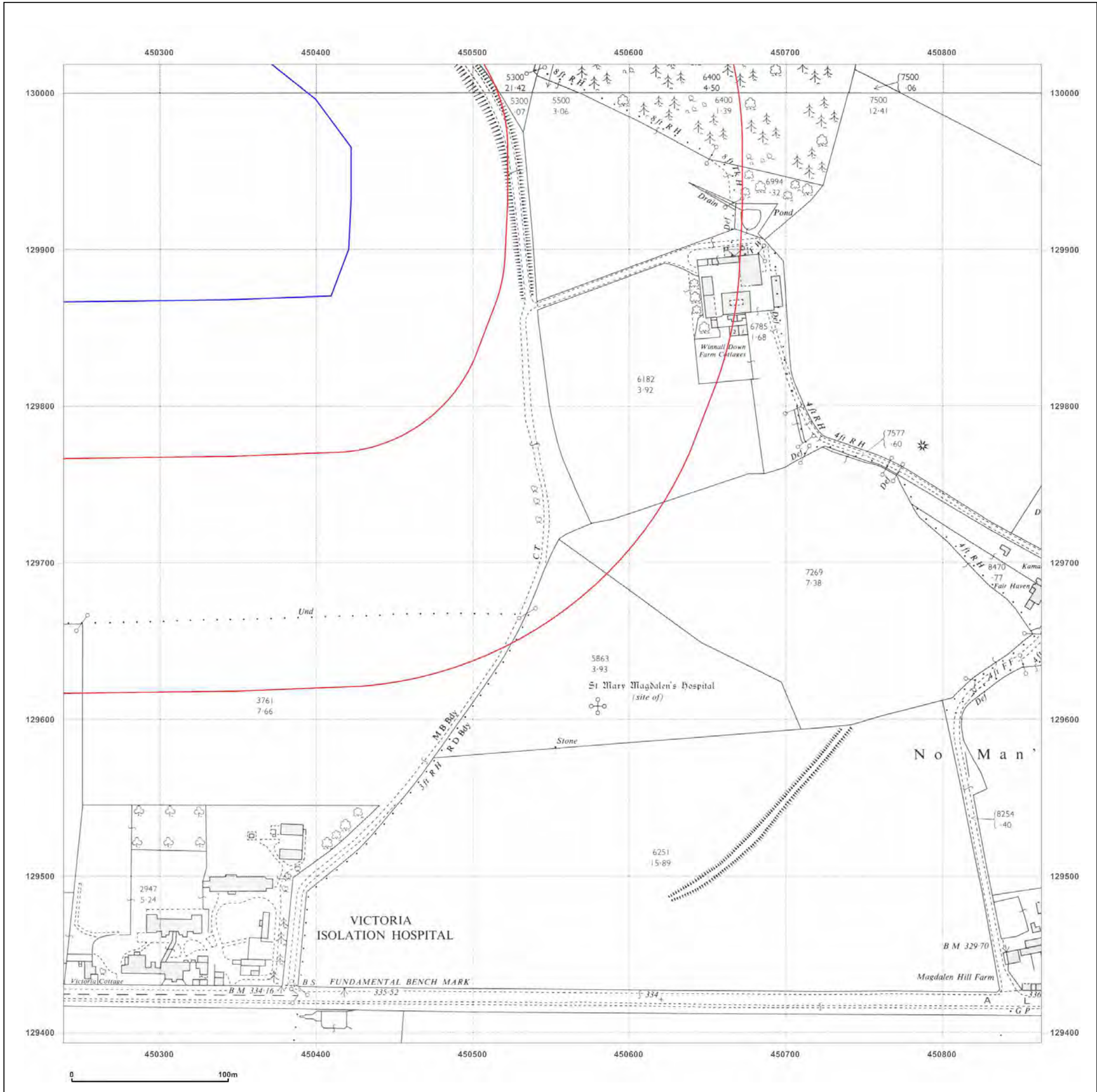


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Production date: 07 October 2020

Map legend available at:



Site Details:

449969.3362893146,
131042.05233653993

Client Ref: 33689_M3J9-Site_2
Report Ref: GS-7137933_LS_3_1
Grid Ref: 450551, 129706

Map Name: National Grid

Map date: 1992

Scale: 1:2,500

Printed at: 1:2,500



Surveyed 1992
Revised 1992
Edition N/A
Copyright 1992
Levelled N/A

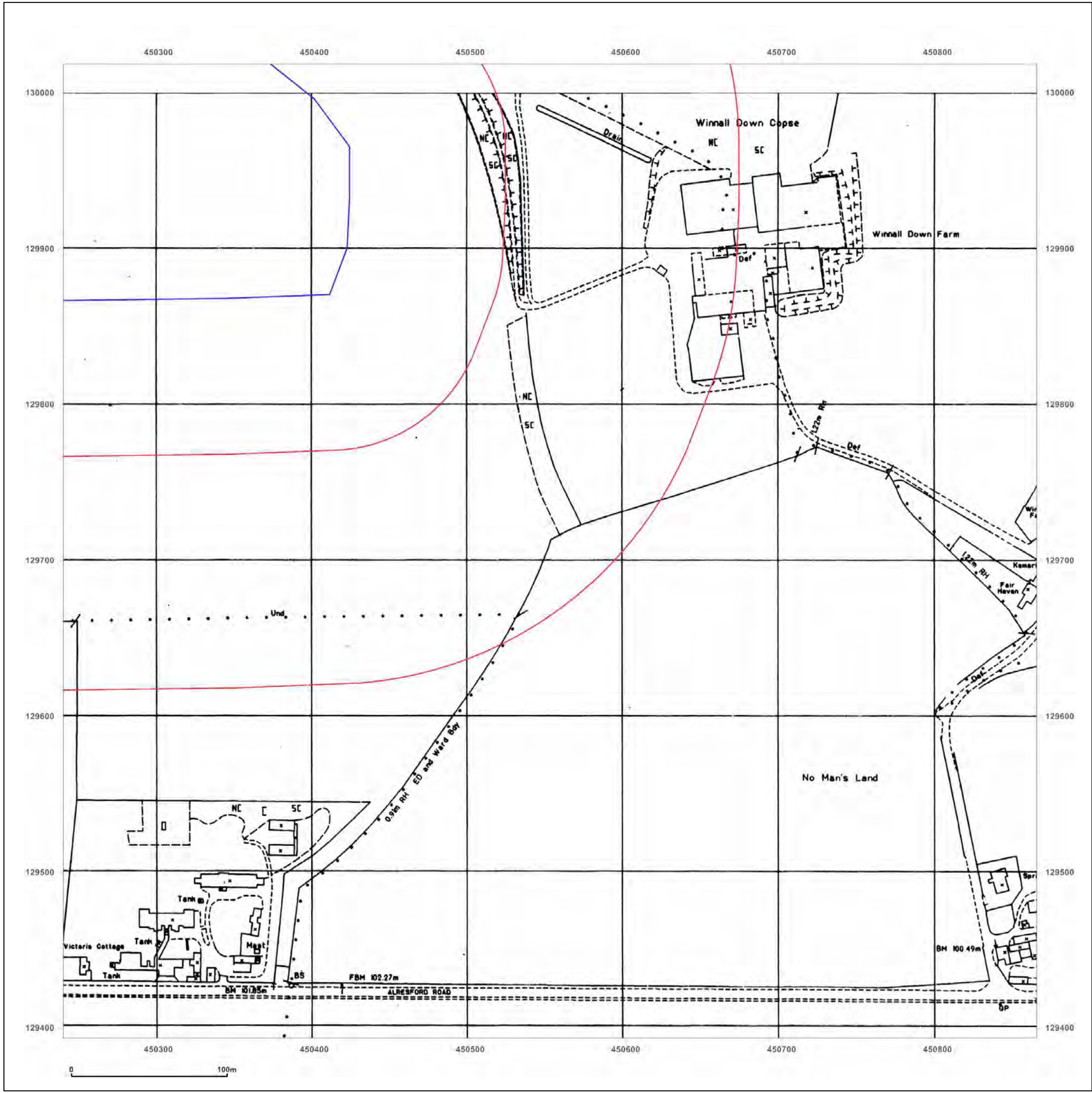


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Production date: 07 October 2020

Map legend available at:



Site Details:

449969.3362893146,
131042.05233653993

Client Ref: 33689-_M3J9-Site_2
Report Ref: GS-7137933_LS_3_1
Grid Ref: 450551, 129706

Map Name: National Grid

Map date: 1994

Scale: 1:2,500

Printed at: 1:2,500



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

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

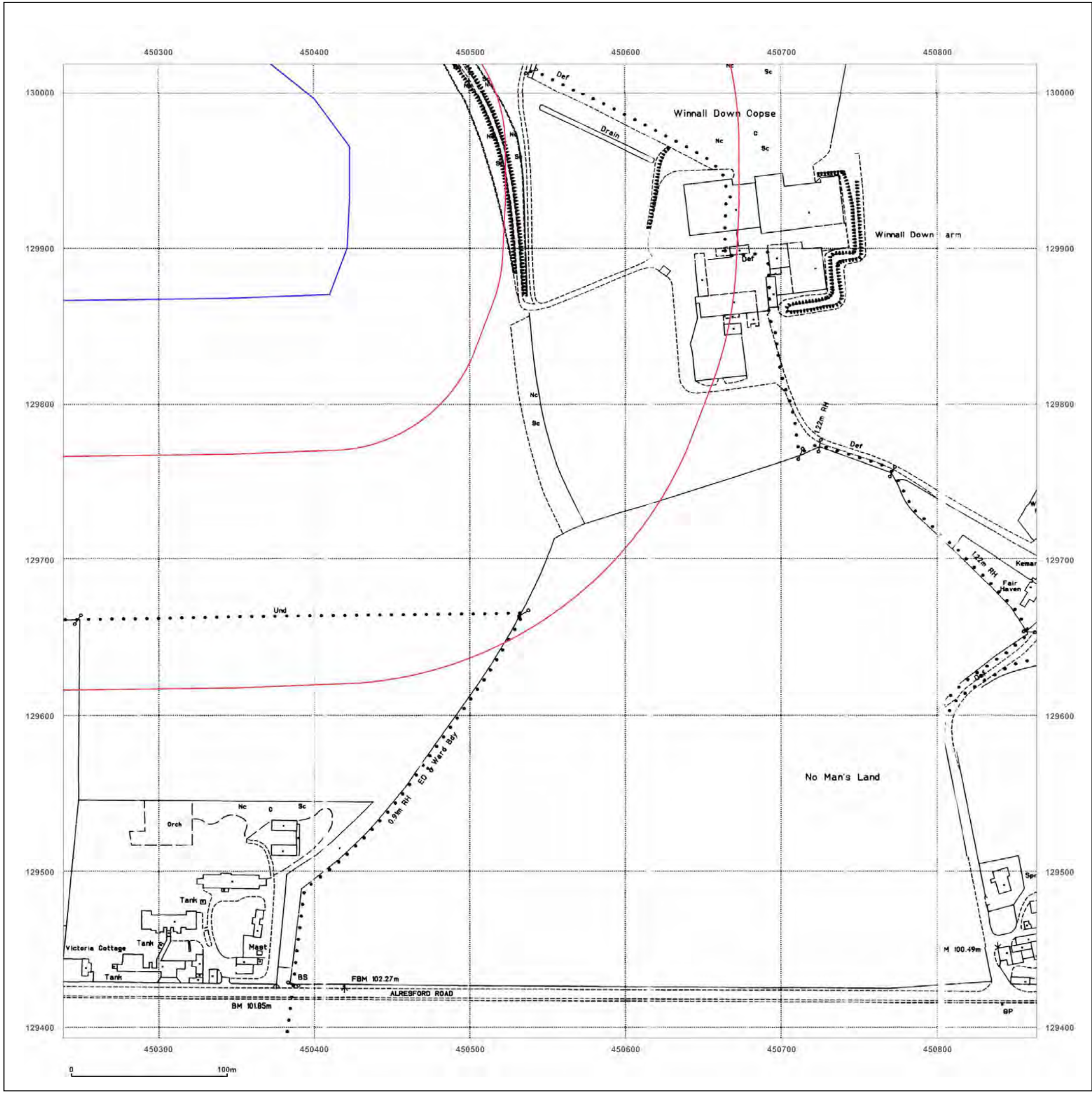


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Production date: 07 October 2020

Map legend available at:



Site Details:

449969.3362893146,
131042.05233653993

Client Ref: 33689-_M3J9-Site_2
Report Ref: GS-7137933_LS_3_2
Grid Ref: 450551, 130331

Map Name: County Series

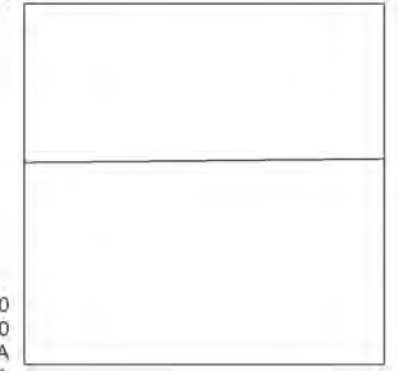
Map date: 1869-1870

Scale: 1:2,500

Printed at: 1:2,500



Surveyed 1869
Revised 1869
Edition N/A
Copyright N/A
Levelled N/A



Surveyed 1870
Revised 1870
Edition N/A
Copyright N/A
Levelled N/A

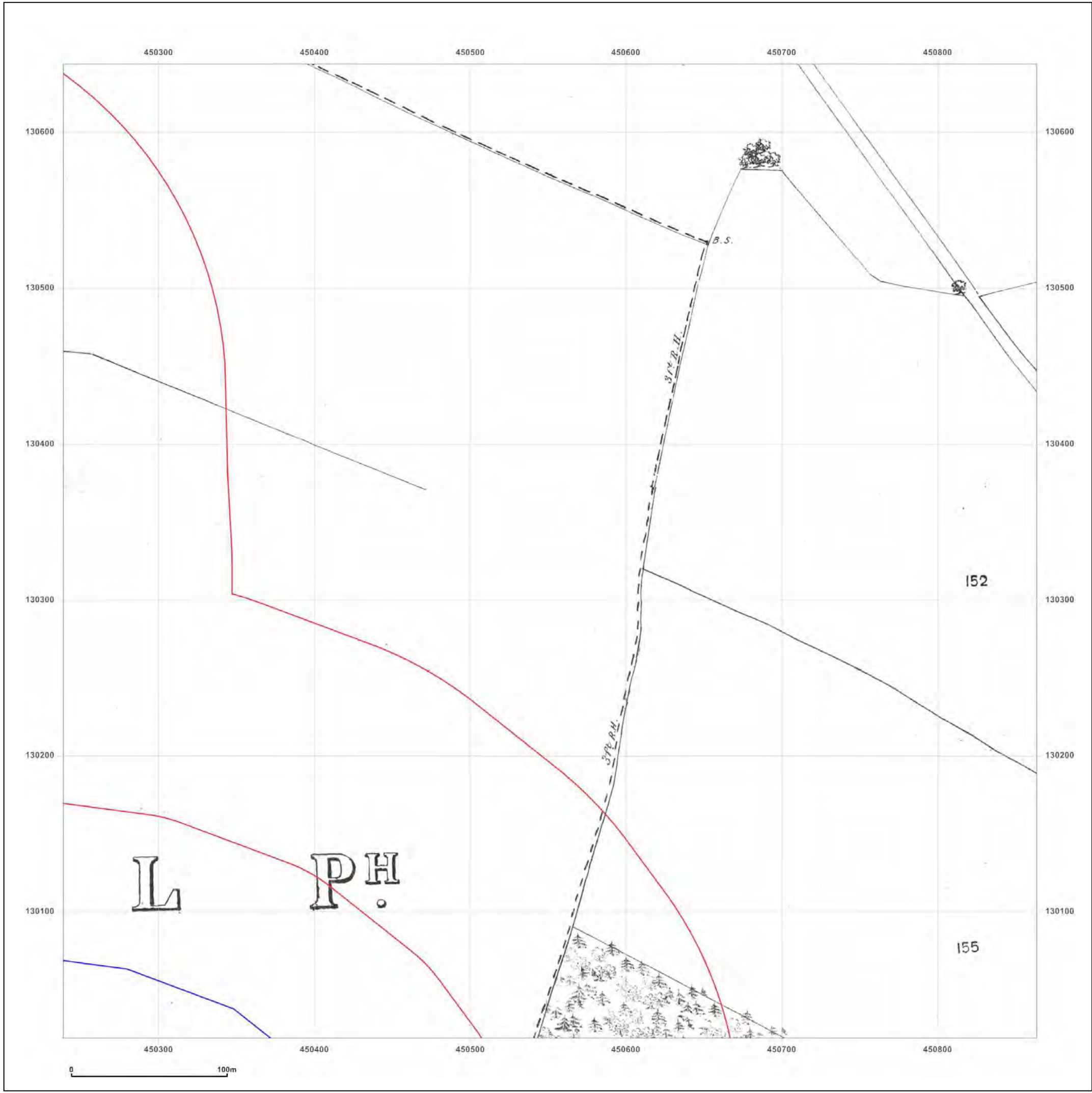


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Production date: 07 October 2020

Map legend available at:



Site Details:

449969.3362893146,
131042.05233653993

Client Ref: 33689-_M3J9-Site_2
Report Ref: GS-7137933_LS_3_2
Grid Ref: 450551, 130331

Map Name: County Series

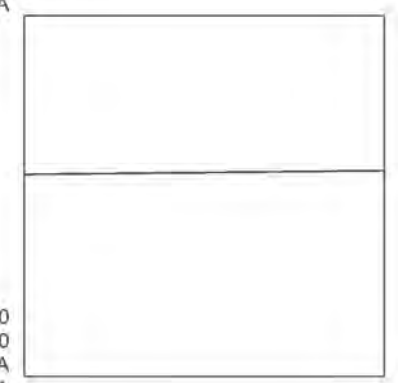
Map date: 1870

Scale: 1:2,500

Printed at: 1:2,500



Surveyed 1870
Revised 1870
Edition N/A
Copyright N/A
Levelled N/A



Surveyed 1870
Revised 1870
Edition N/A
Copyright N/A
Levelled N/A

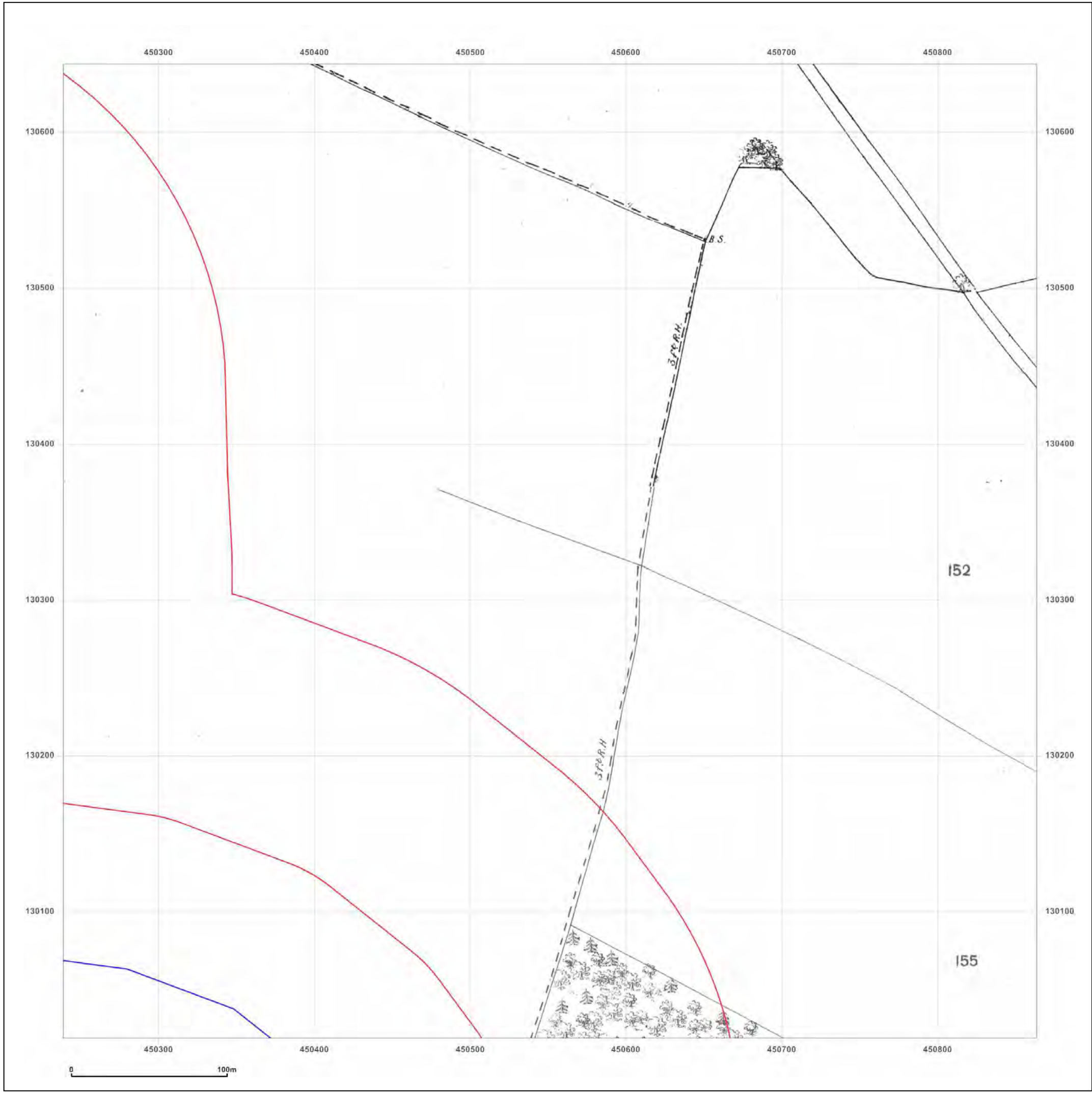


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Production date: 07 October 2020

Map legend available at:



Site Details:

449969.3362893146,
131042.05233653993

Client Ref: 33689-_M3J9-Site_2
Report Ref: GS-7137933_LS_3_2
Grid Ref: 450551, 130331

Map Name: County Series

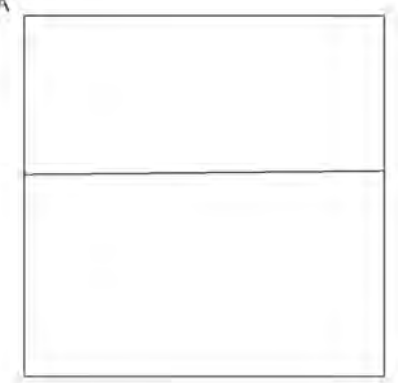
Map date: 1870

Scale: 1:2,500

Printed at: 1:2,500



Surveyed 1870
Revised 1870
Edition N/A
Copyright N/A
Levelled N/A

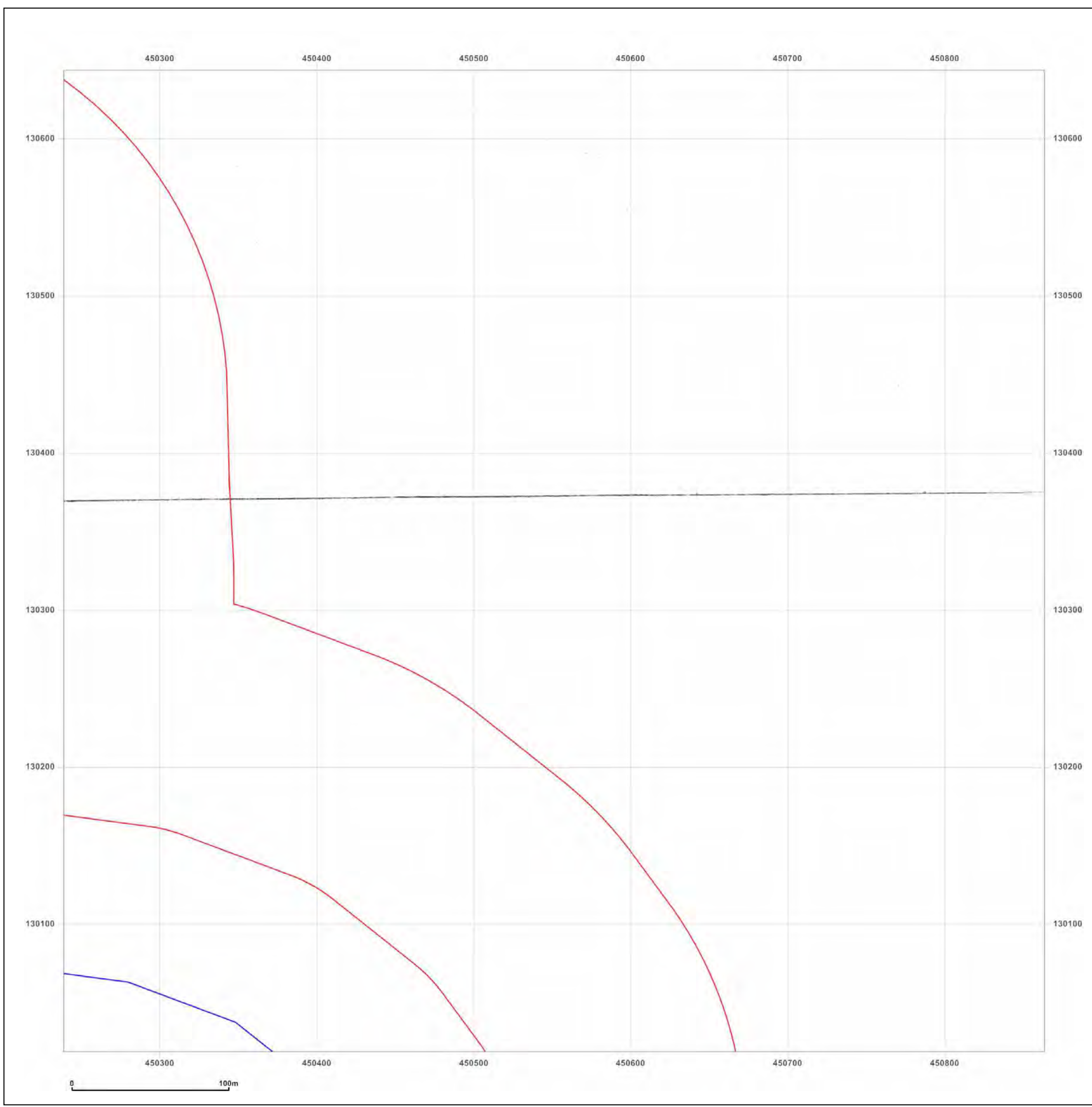


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Production date: 07 October 2020

Map legend available at: [REDACTED]



Site Details:

449969.3362893146,
131042.05233653993

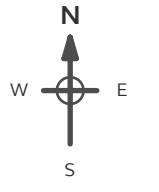
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Map Name: County Series

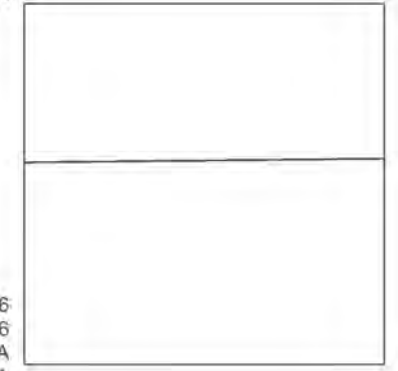
Map date: 1896

Scale: 1:2,500

Printed at: 1:2,500



Surveyed 1896
Revised 1896
Edition N/A
Copyright N/A
Levelled N/A



Surveyed 1896
Revised 1896
Edition N/A
Copyright N/A
Levelled N/A

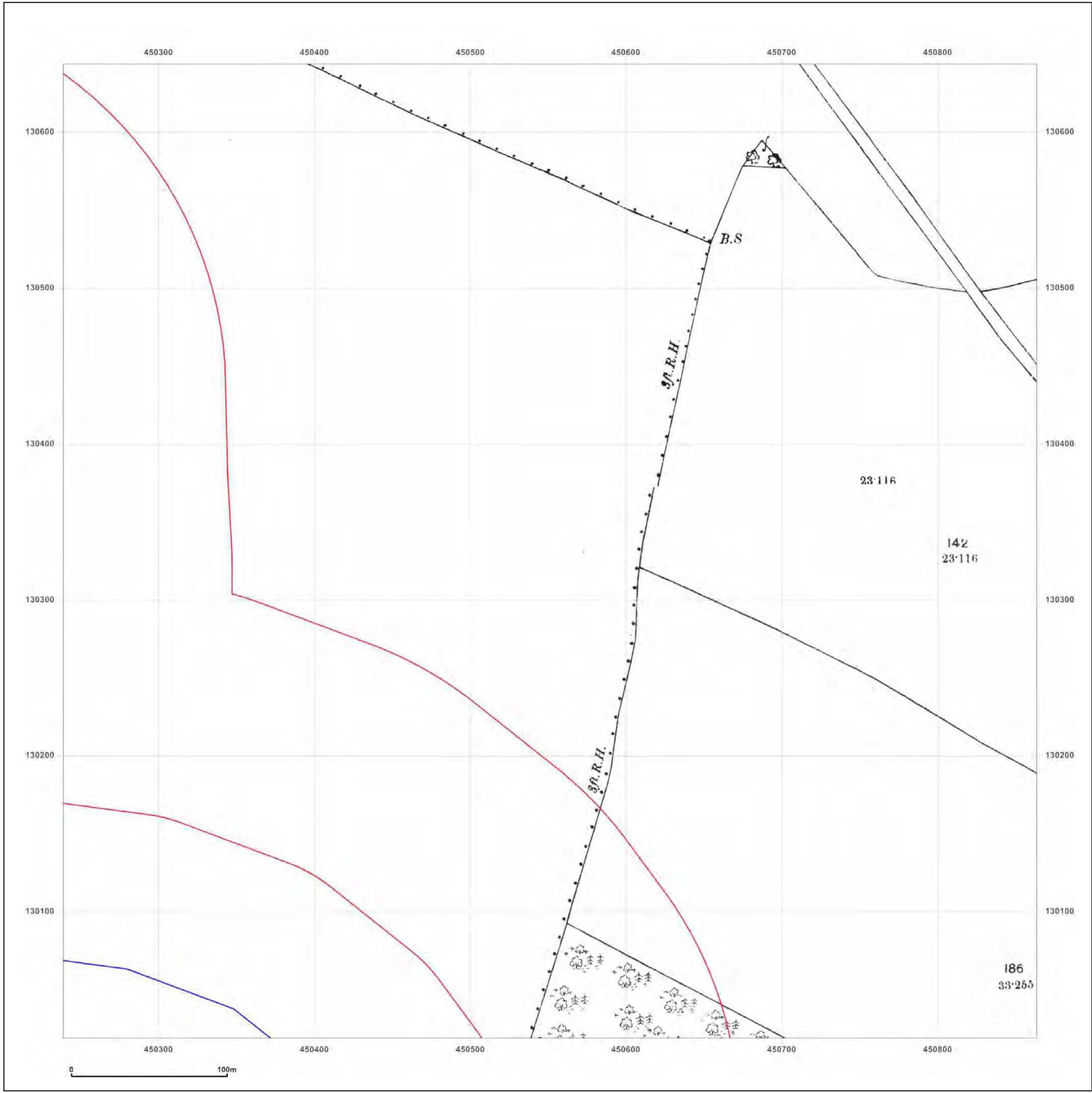


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Site Details:

449969.3362893146,
131042.05233653993

Client Ref: 33689-_M3J9-Site_2
Report Ref: GS-7137933_LS_3_2
Grid Ref: 450551, 130331

Map Name: County Series

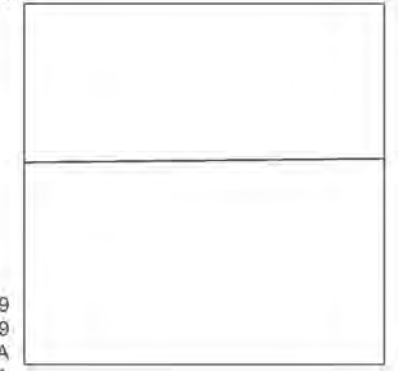
Map date: 1909

Scale: 1:2,500

Printed at: 1:2,500



Surveyed 1909
Revised 1909
Edition N/A
Copyright N/A
Levelled N/A



Surveyed 1909
Revised 1909
Edition N/A
Copyright N/A
Levelled N/A

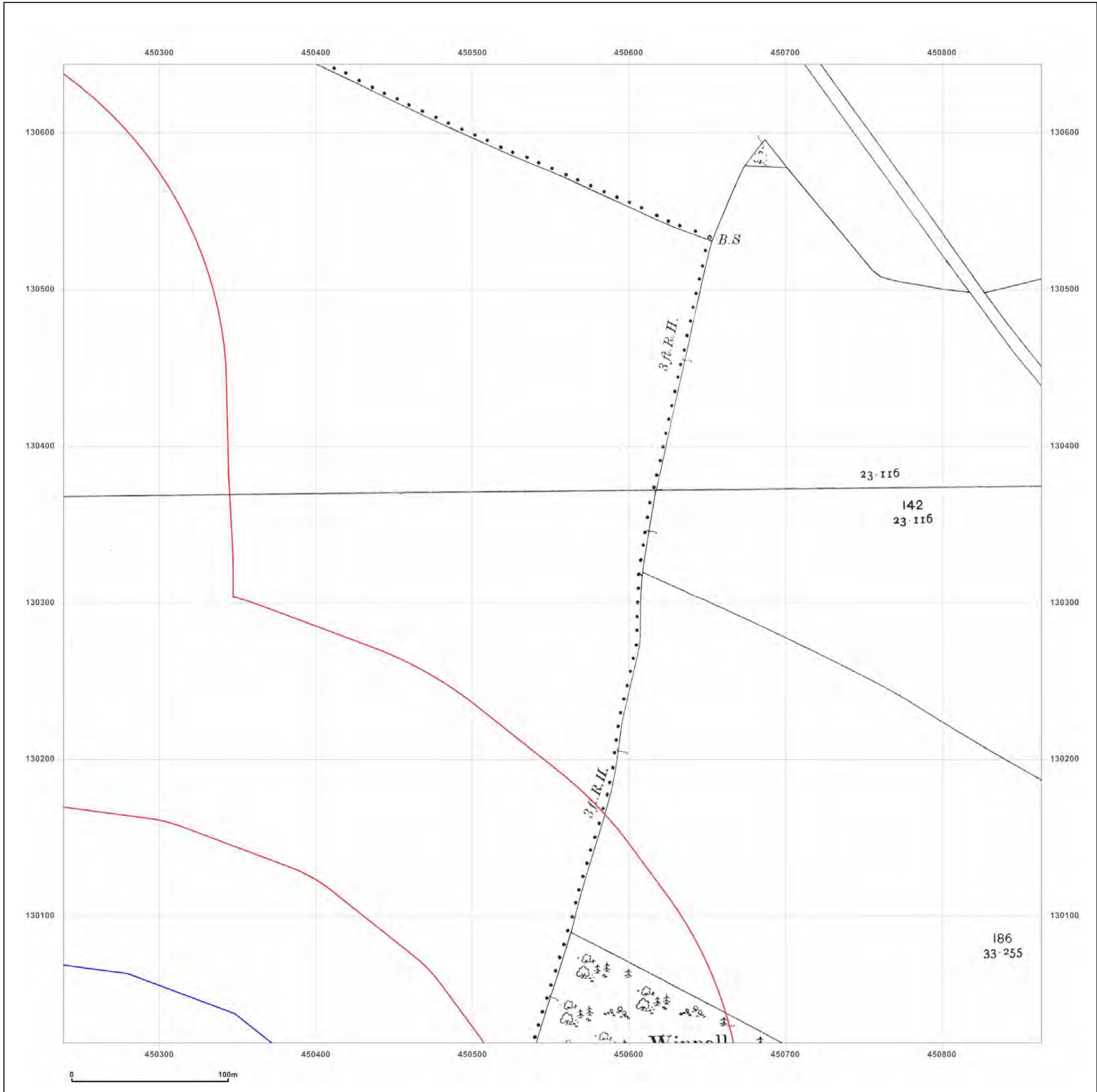


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Production date: 07 October 2020

Map legend available at:



Site Details:

449969.3362893146,
131042.05233653993

Client Ref: 33689-_M3J9-Site_2
Report Ref: GS-7137933_LS_3_2
Grid Ref: 450551, 130331

Map Name: County Series

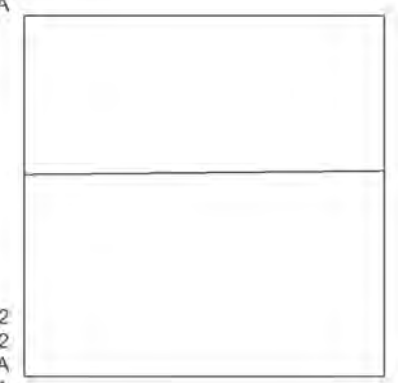
Map date: 1932

Scale: 1:2,500

Printed at: 1:2,500



Surveyed 1932
Revised 1932
Edition N/A
Copyright N/A
Levelled N/A



Surveyed 1932
Revised 1932
Edition N/A
Copyright N/A
Levelled N/A

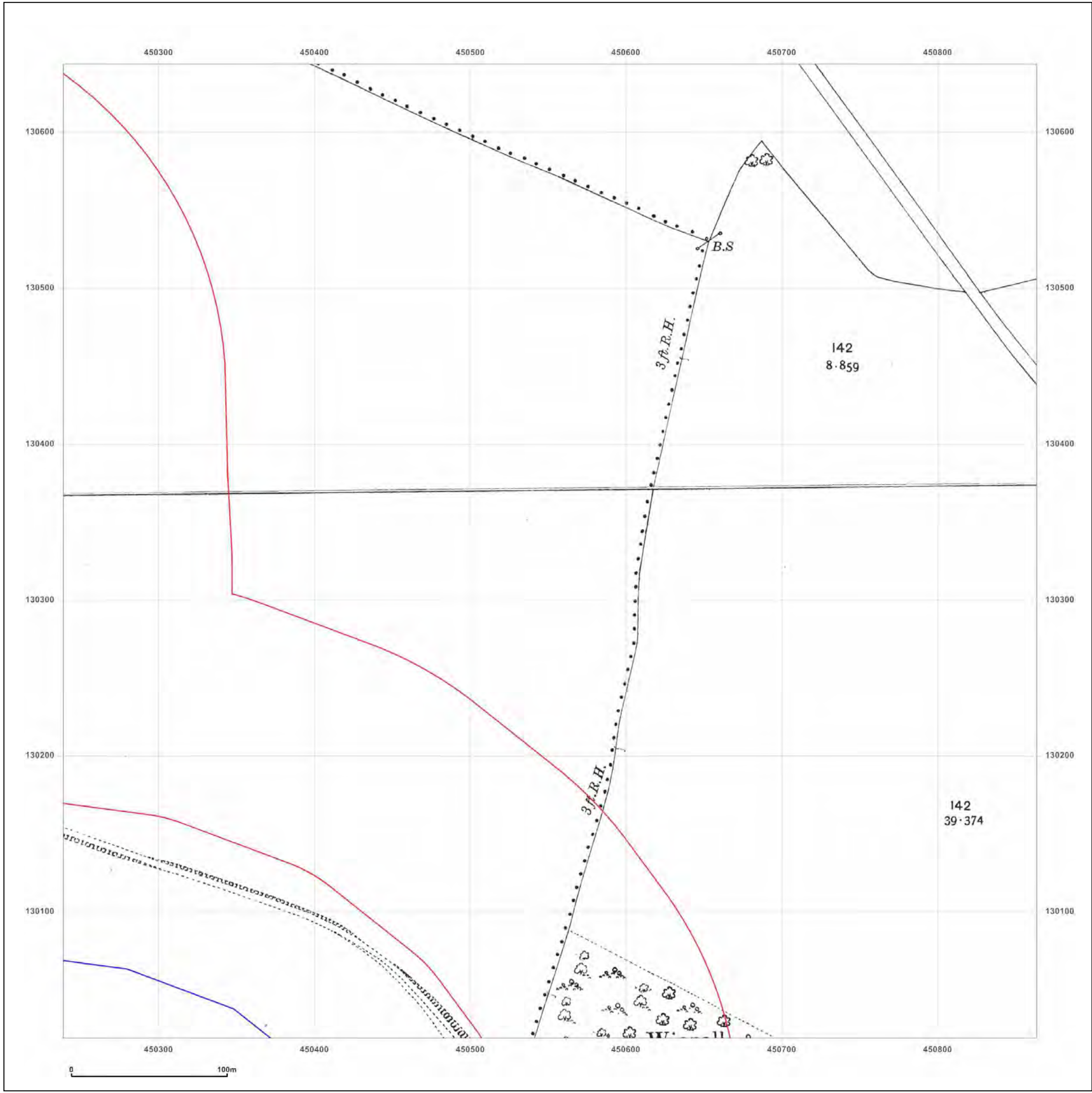


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Map legend available at:



Site Details:

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131042.05233653993

Client Ref: 33689-_M3J9-Site_2
Report Ref: GS-7137933_LS_3_2
Grid Ref: 450551, 130331

Map Name: County Series

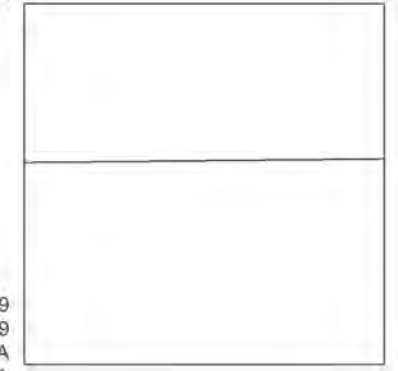
Map date: 1939

Scale: 1:2,500

Printed at: 1:2,500



Surveyed 1939
Revised 1939
Edition N/A
Copyright N/A
Levelled N/A



Surveyed 1939
Revised 1939
Edition N/A
Copyright N/A
Levelled N/A

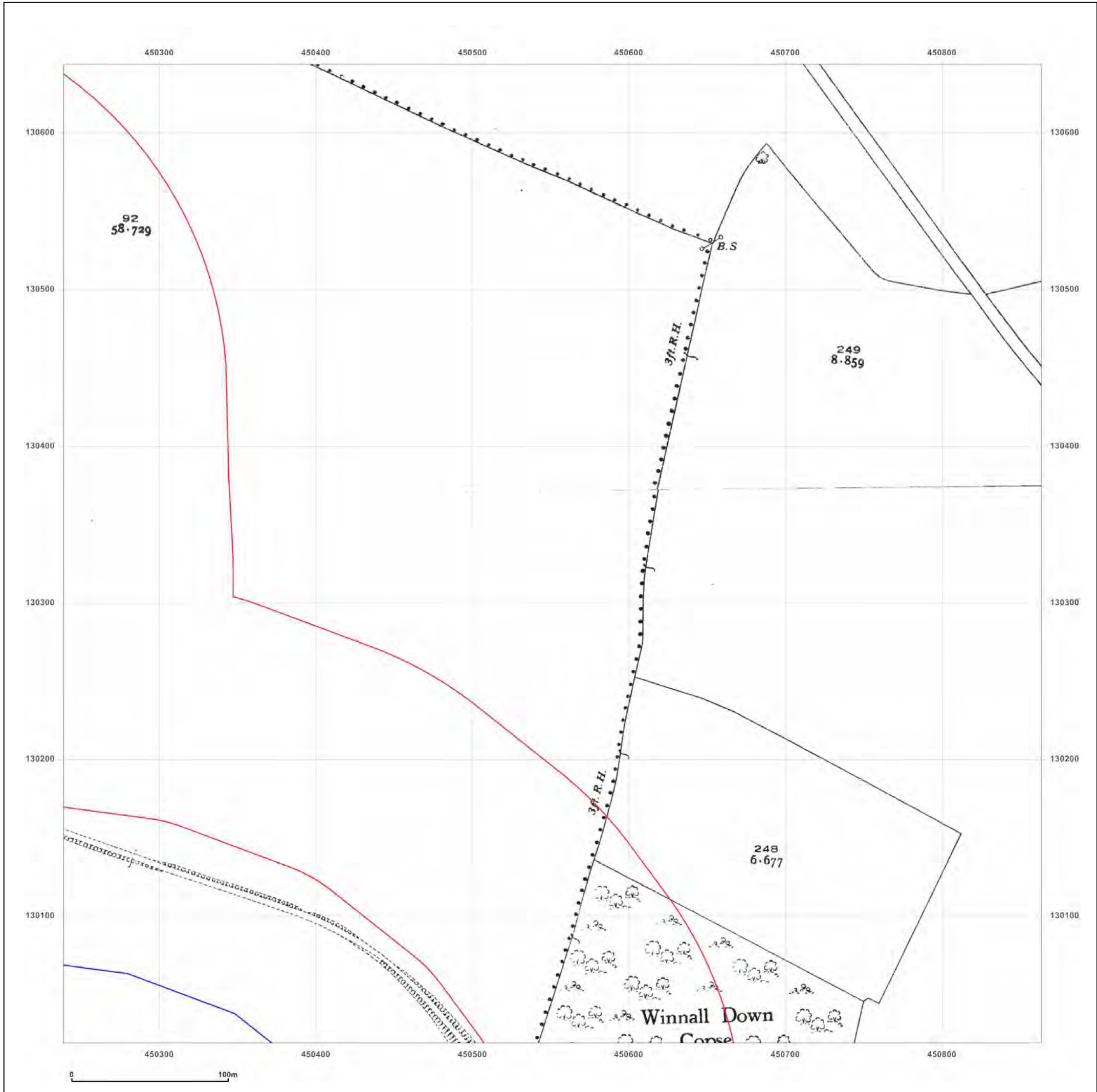


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Map legend available at:



Site Details:

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131042.05233653993

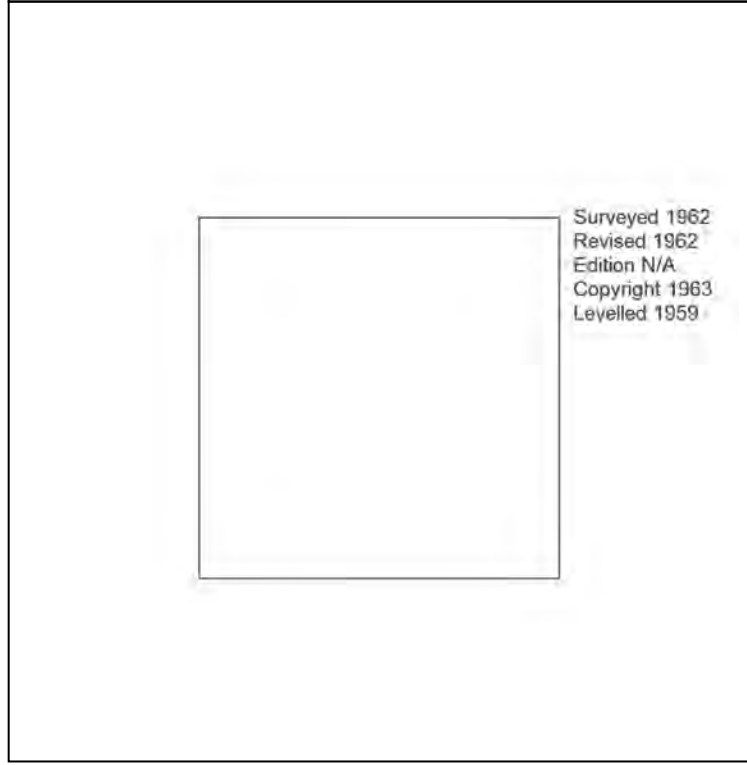
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Report Ref: GS-7137933_LS_3_2
Grid Ref: 450551, 130331

Map Name: National Grid

Map date: 1962

Scale: 1:2,500

Printed at: 1:2,500



Surveyed 1962
Revised 1962
Edition N/A
Copyright 1963
Levelled 1959

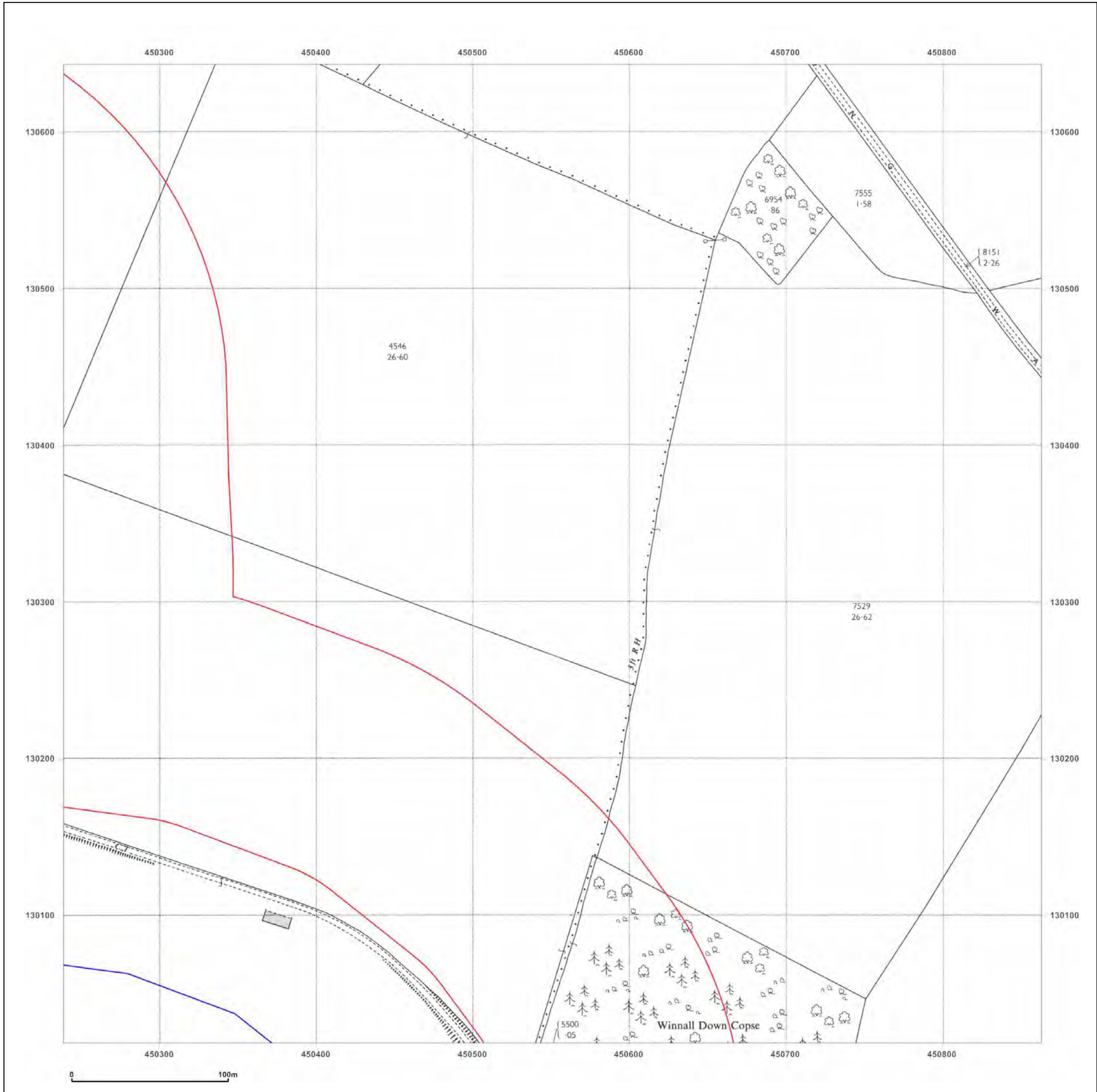


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Production date: 07 October 2020

Map legend available at:



Site Details:

449969.3362893146,
131042.05233653993

Client Ref: 33689-_M3J9-Site_2
Report Ref: GS-7137933_LS_3_2
Grid Ref: 450551, 130331

Map Name: National Grid

Map date: 1994

Scale: 1:2,500

Printed at: 1:2,500



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

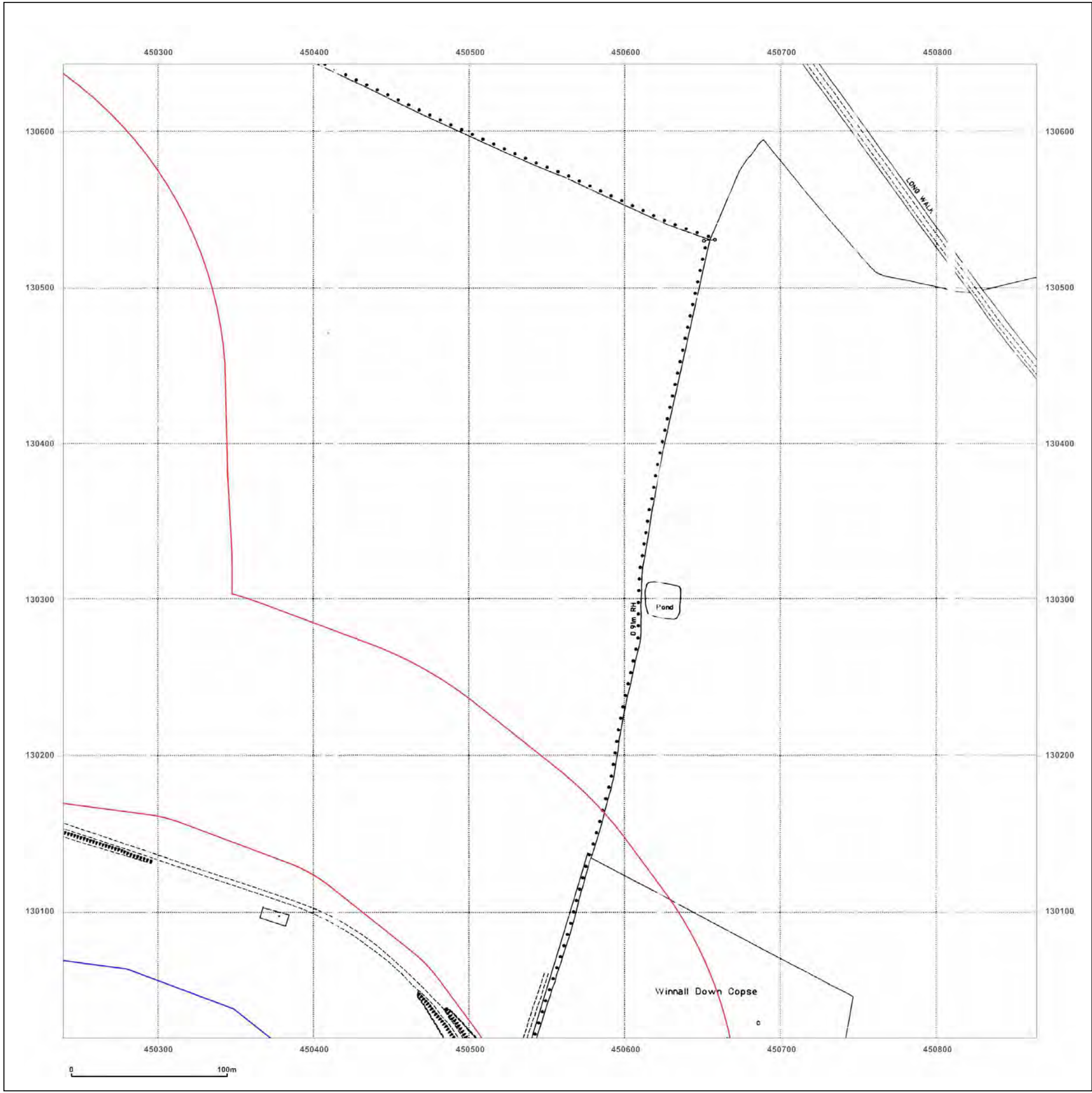


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Production date: 07 October 2020

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131042.05233653993

Client Ref: 33689-_M3J9-Site_2
Report Ref: GS-7137933_LS_3_3
Grid Ref: 450551, 130957

Map Name: County Series

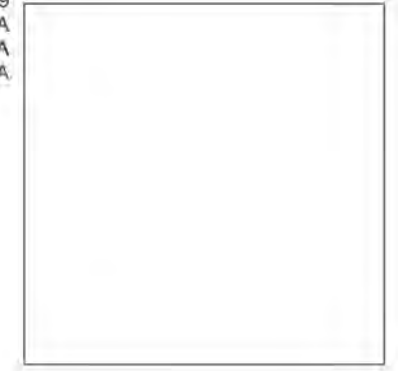
Map date: 1869

Scale: 1:2,500

Printed at: 1:2,500



Surveyed 1889
Revised 1869
Edition N/A
Copyright N/A
Levelled N/A

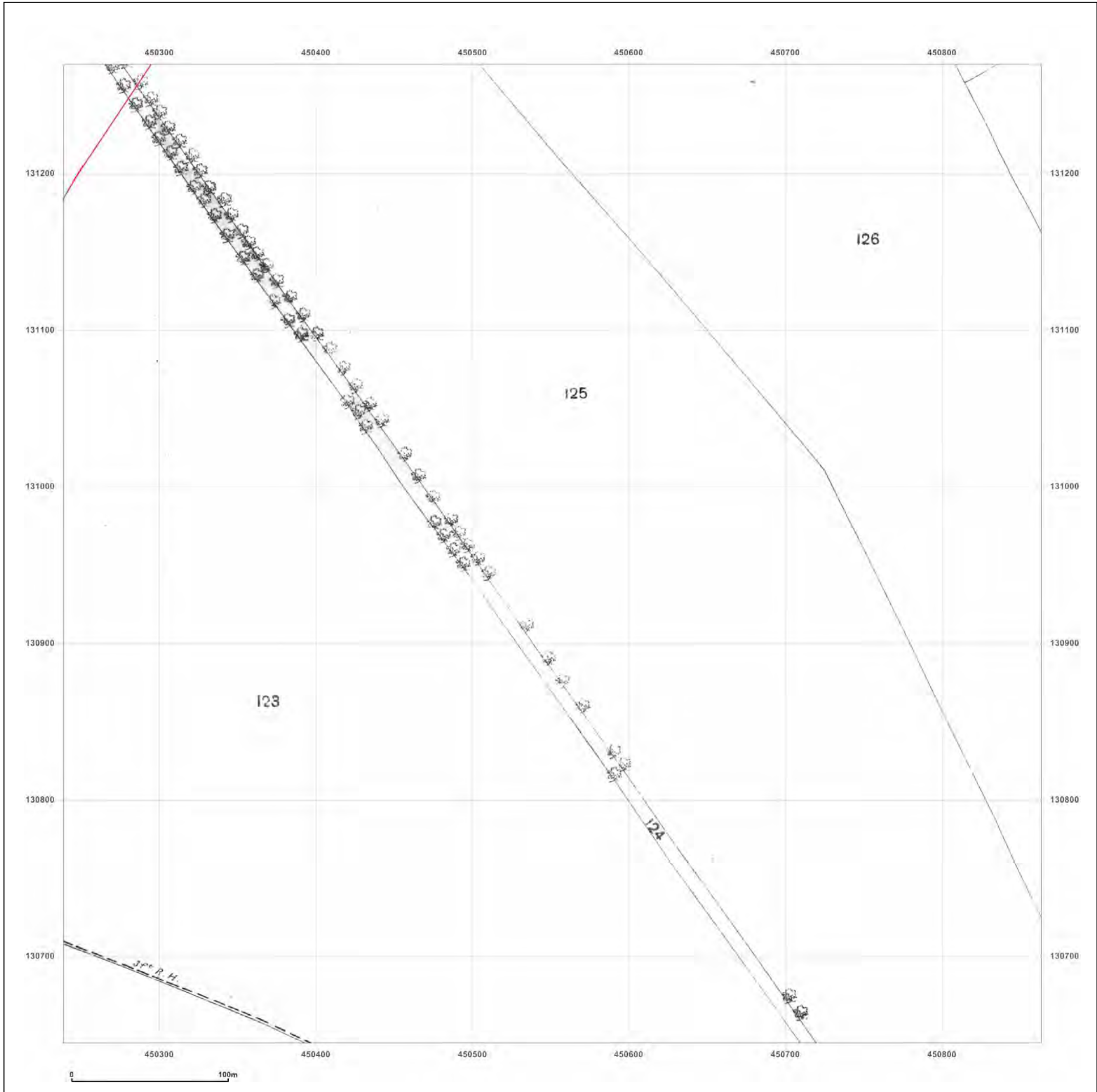


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Site Details:

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131042.05233653993

Client Ref: 33689-_M3J9-Site_2
Report Ref: GS-7137933_LS_3_3
Grid Ref: 450551, 130957

Map Name: County Series

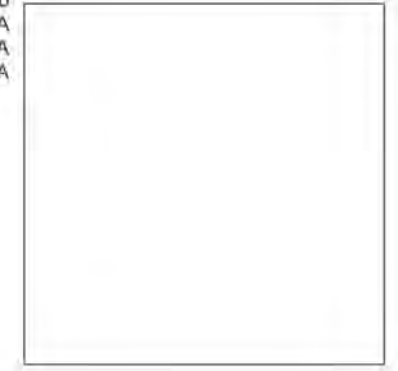
Map date: 1870

Scale: 1:2,500

Printed at: 1:2,500



Surveyed 1870
Revised 1870
Edition N/A
Copyright N/A
Levelled N/A

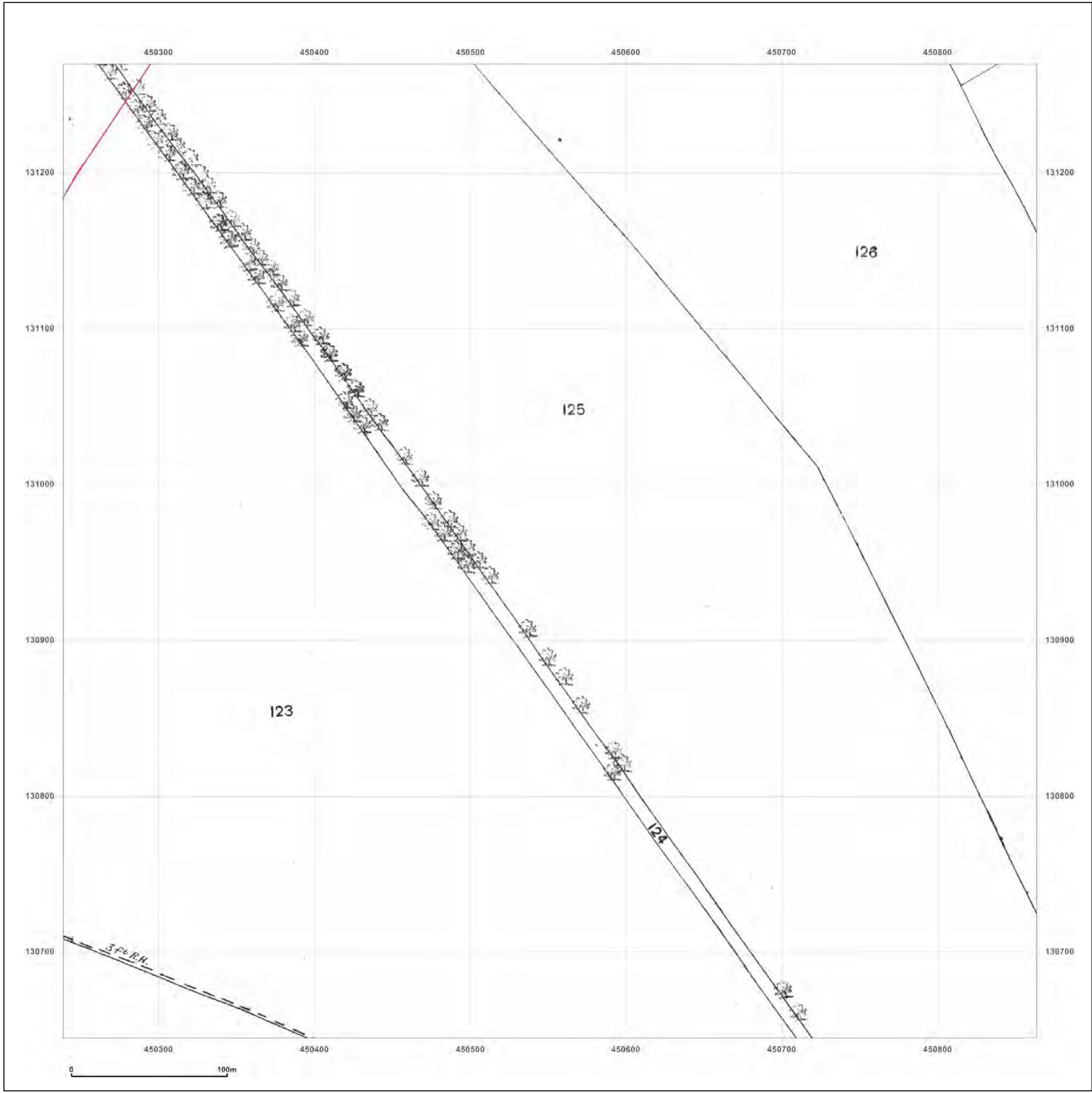


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Map legend available at:



Site Details:

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131042.05233653993

Client Ref: 33689-_M3J9-Site_2
Report Ref: GS-7137933_LS_3_3
Grid Ref: 450551, 130957

Map Name: County Series

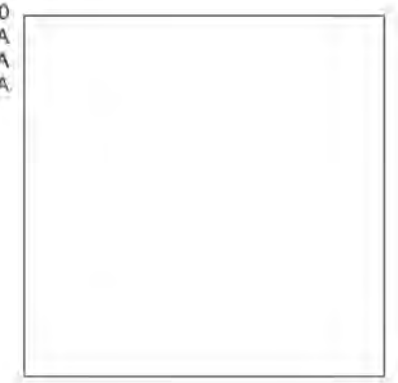
Map date: 1870

Scale: 1:2,500

Printed at: 1:2,500



Surveyed 1870
Revised 1870
Edition N/A
Copyright N/A
Levelled N/A

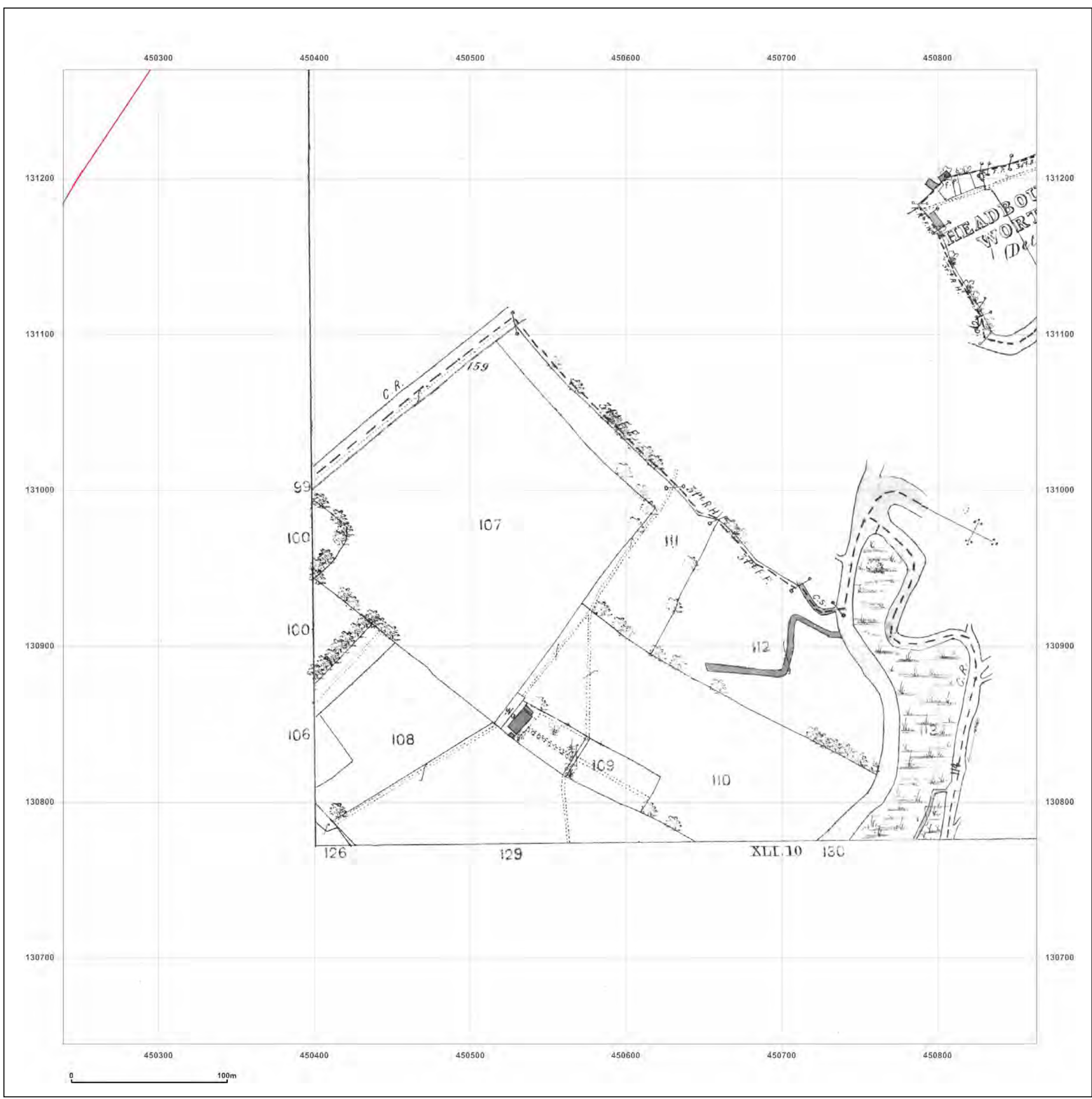


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Map legend available at:



Site Details:

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131042.05233653993

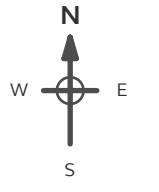
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Report Ref: GS-7137933_LS_3_3
Grid Ref: 450551, 130957

Map Name: County Series

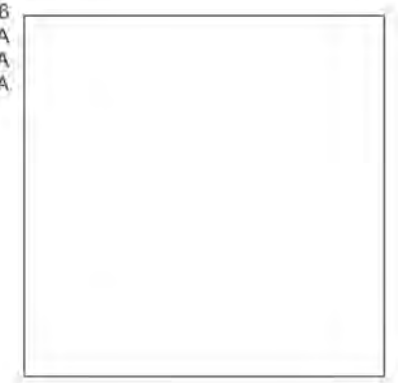
Map date: 1896

Scale: 1:2,500

Printed at: 1:2,500



Surveyed 1896
Revised 1896
Edition N/A
Copyright N/A
Levelled N/A

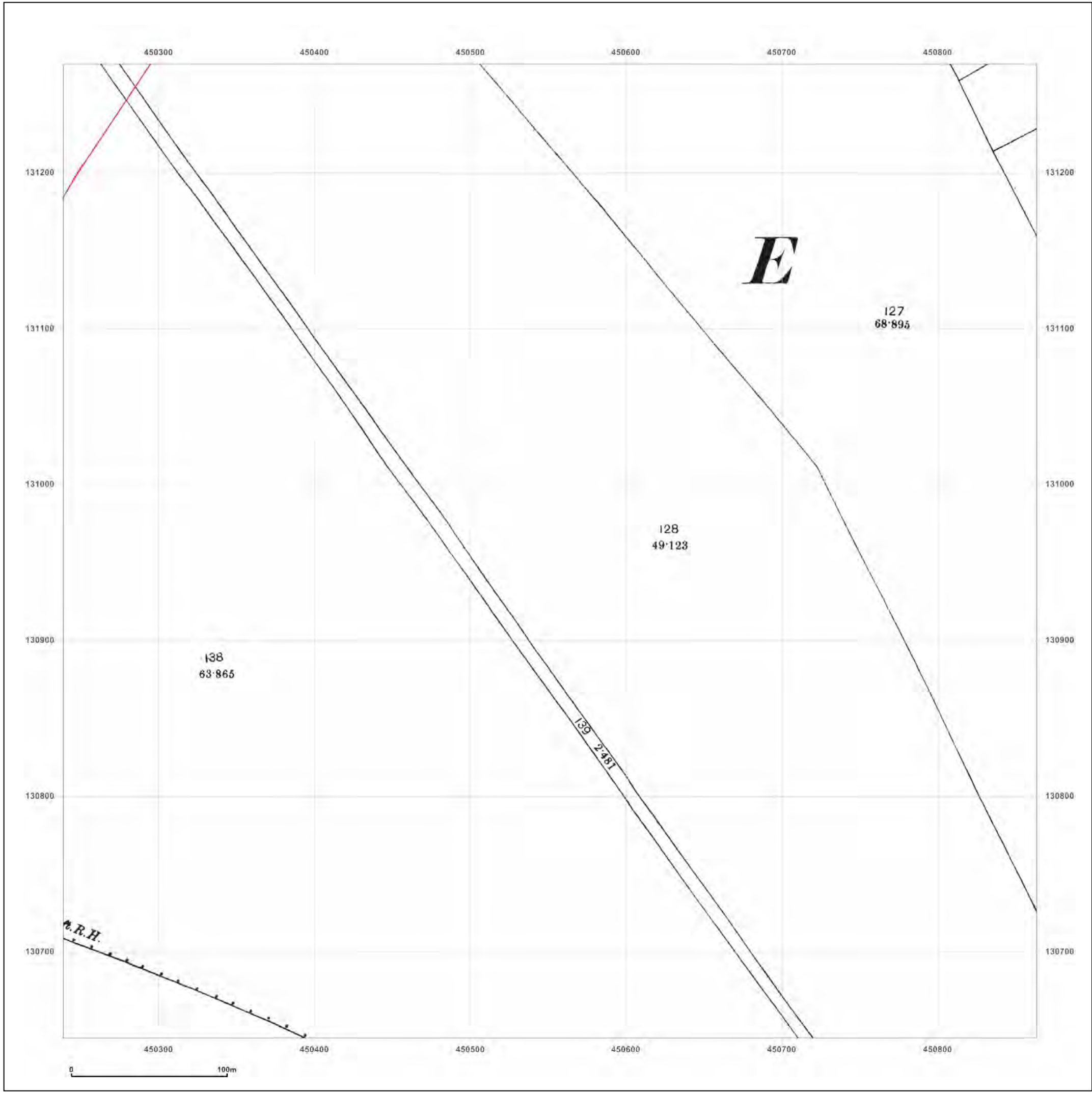


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Site Details:

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131042.05233653993

Client Ref: 33689-_M3J9-Site_2
Report Ref: GS-7137933_LS_3_3
Grid Ref: 450551, 130957

Map Name: County Series

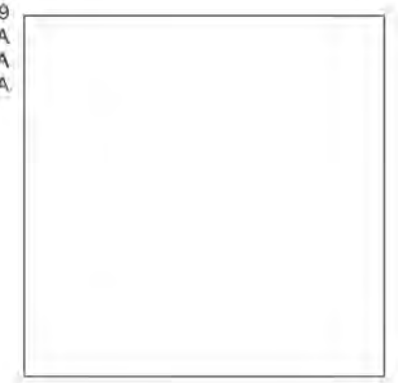
Map date: 1909

Scale: 1:2,500

Printed at: 1:2,500



Surveyed 1909
Revised 1909
Edition N/A
Copyright N/A
Levelled N/A

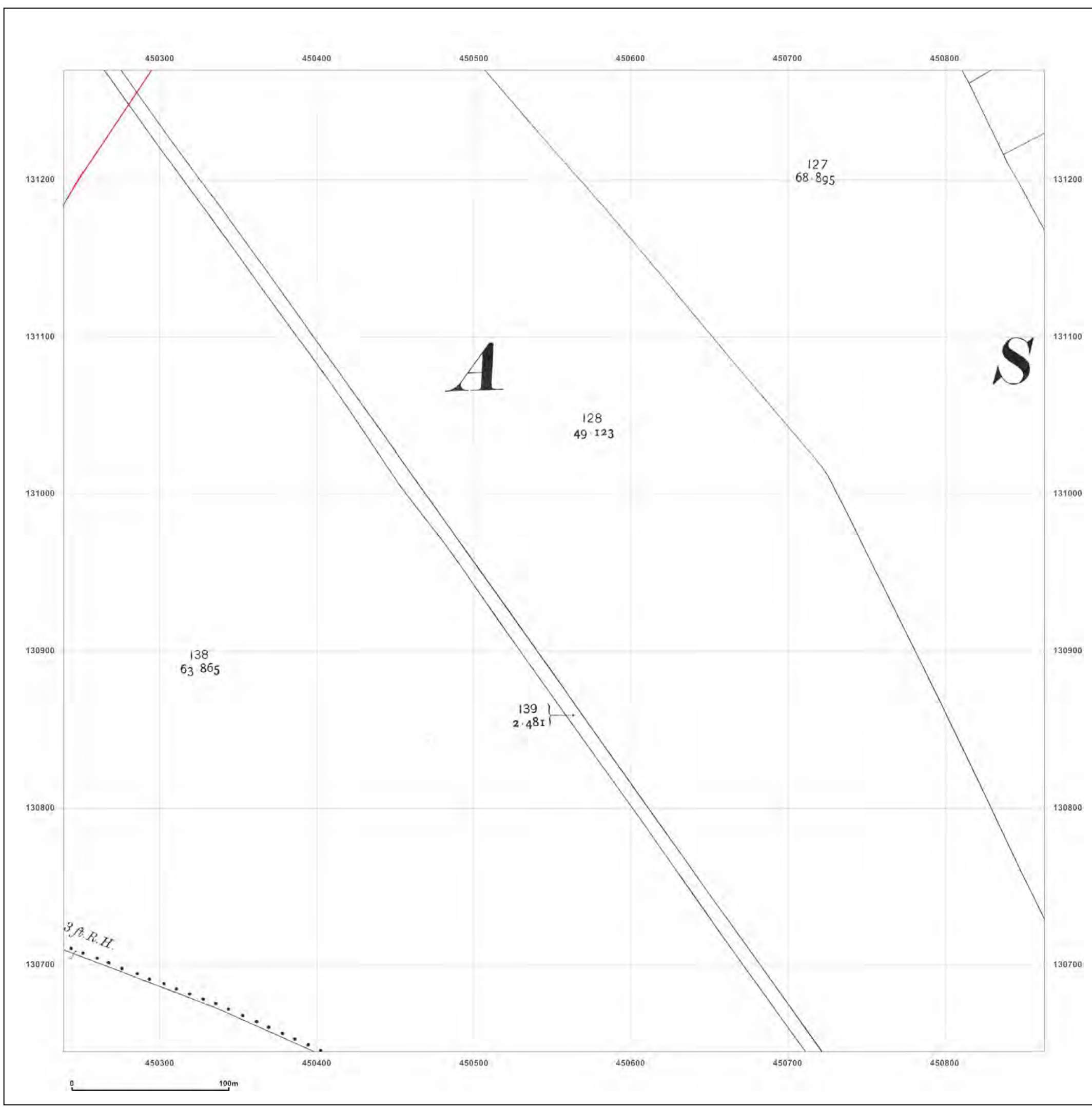


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Site Details:

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131042.05233653993

Client Ref: 33689-_M3J9-Site_2
Report Ref: GS-7137933_LS_3_3
Grid Ref: 450551, 130957

Map Name: County Series

Map date: 1932

Scale: 1:2,500

Printed at: 1:2,500



Surveyed 1932
Revised 1932
Edition N/A
Copyright N/A
Levelled N/A

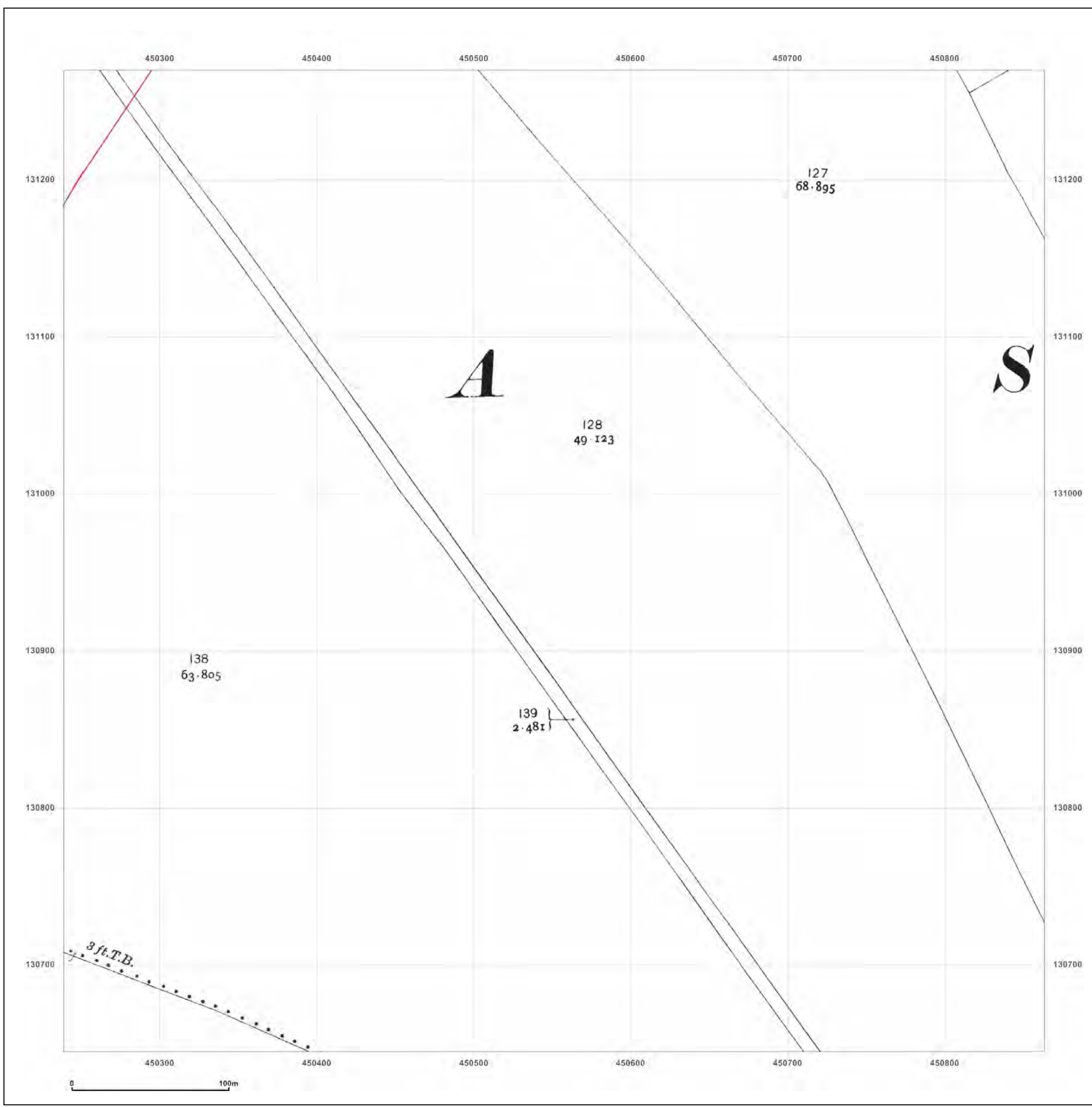


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Site Details:

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131042.05233653993

Client Ref: 33689-_M3J9-Site_2
Report Ref: GS-7137933_LS_3_3
Grid Ref: 450551, 130957

Map Name: County Series

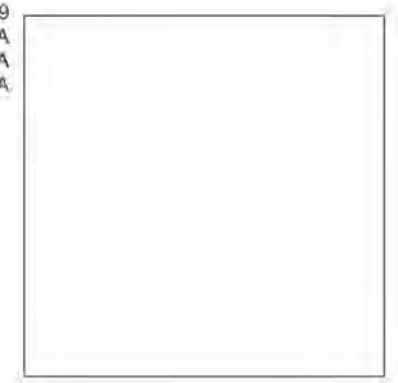
Map date: 1939

Scale: 1:2,500

Printed at: 1:2,500



Surveyed 1939
Revised 1939
Edition N/A
Copyright N/A
Levelled N/A

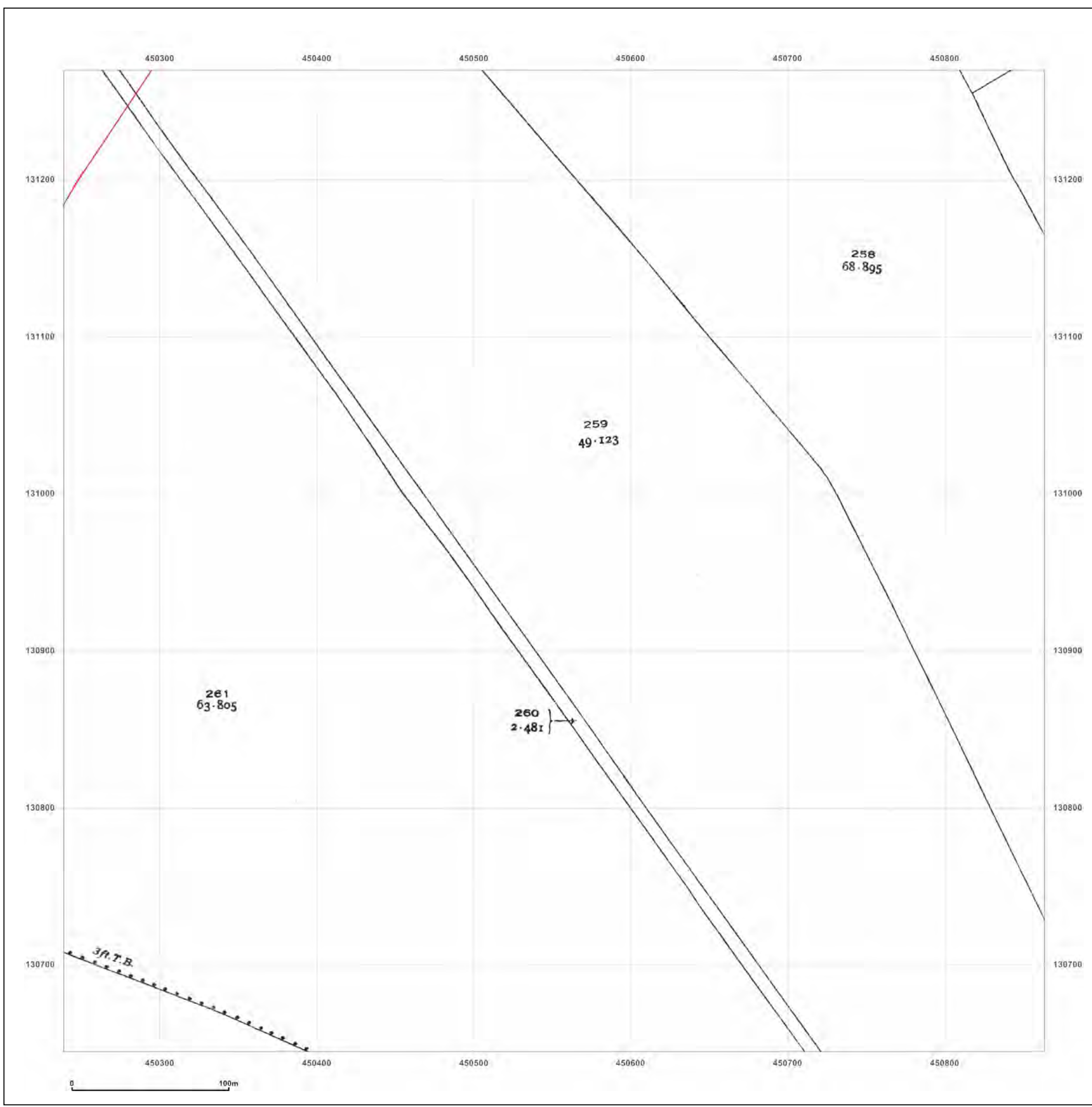


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Production date: 07 October 2020

Map legend available at:



Site Details:

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131042.05233653993

Client Ref: 33689-_M3J9-Site_2
Report Ref: GS-7137933_LS_3_3
Grid Ref: 450551, 130957

Map Name: National Grid

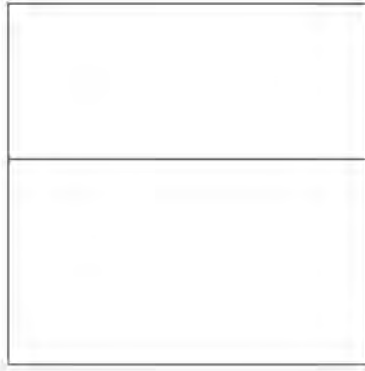
Map date: 1962

Scale: 1:2,500

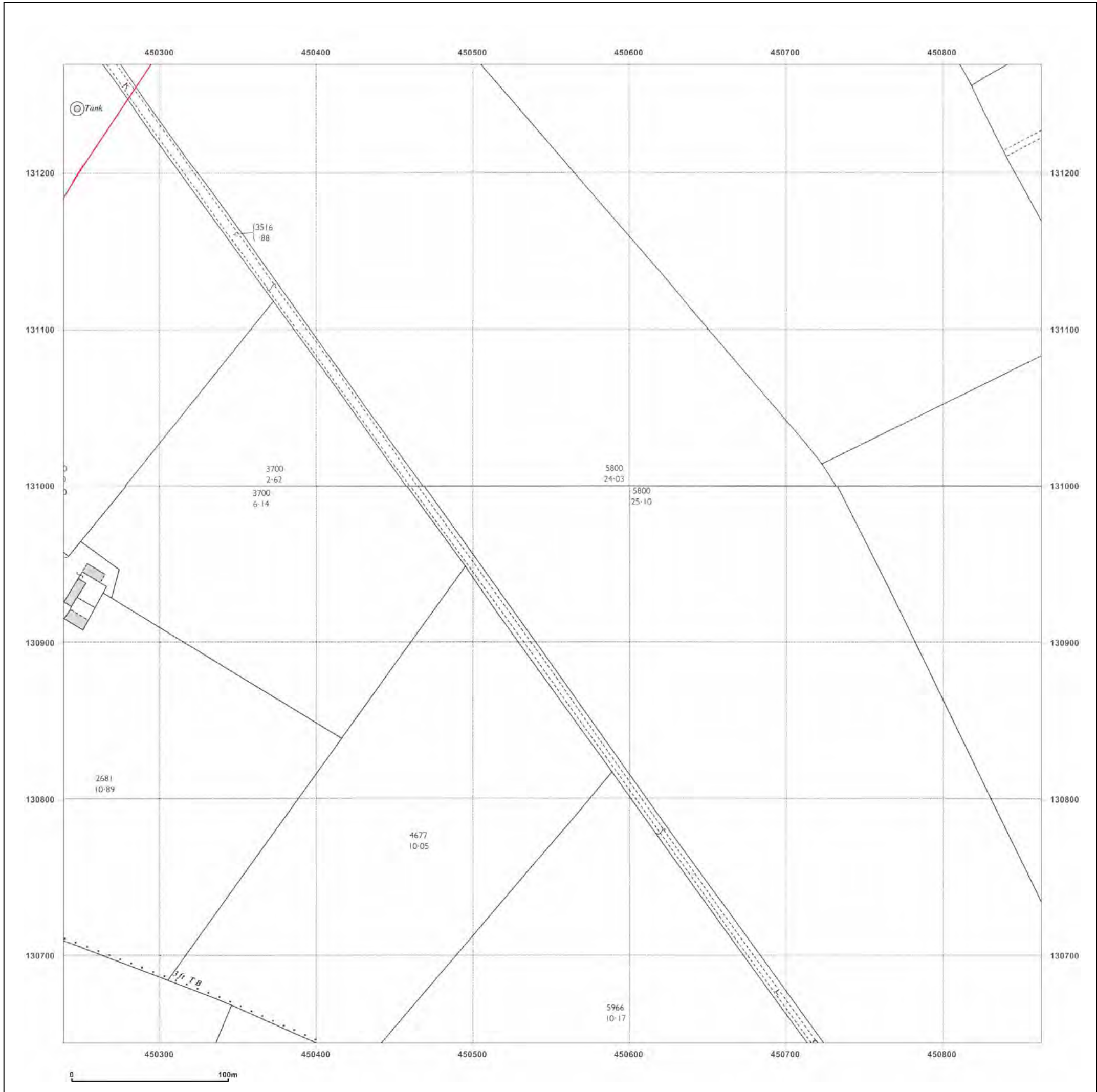
Printed at: 1:2,500



Surveyed 1962
 Revised 1962
 Edition N/A
 Copyright 1963
 Levelled 1959



Surveyed 1962
 Revised 1962
 Edition N/A
 Copyright 1963
 Levelled 1959



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Production date: 07 October 2020

Map legend available at: XXXXXXXXXX

Site Details:

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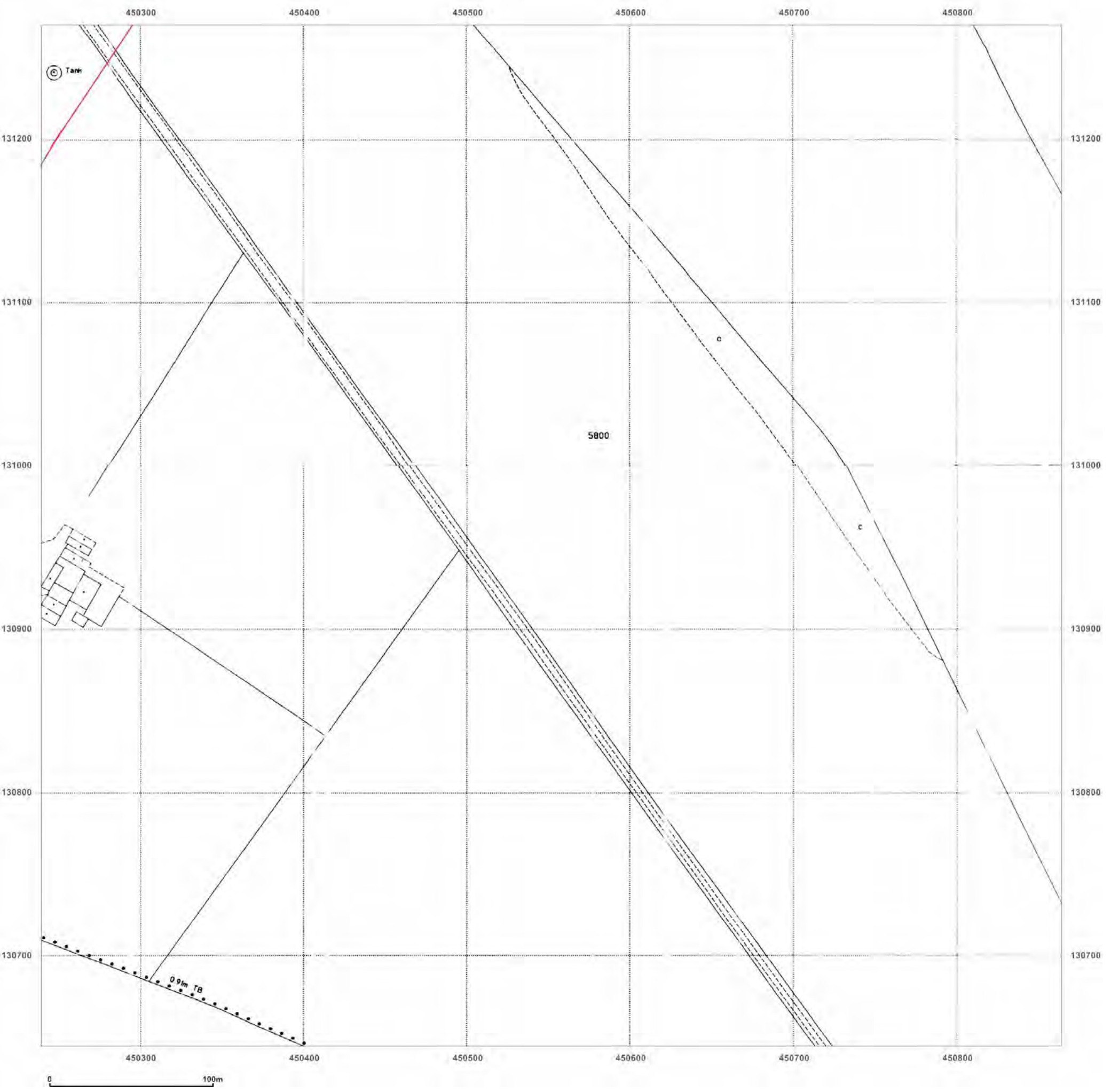
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Report Ref: GS-7137933_LS_3_3
Grid Ref: 450551, 130957

Map Name: National Grid

Map date: 1994

Scale: 1:2,500

Printed at: 1:2,500



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

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



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Map legend available at:

Site Details:

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131042.05233653993

Client Ref: 33689-_M3J9-Site_2
Report Ref: GS-7137933_LS_3_4
Grid Ref: 450551, 131582

Map Name: County Series

Map date: 1869

Scale: 1:2,500

Printed at: 1:2,500



Surveyed 1869
Revised 1869
Edition N/A
Copyright N/A
Levelled N/A

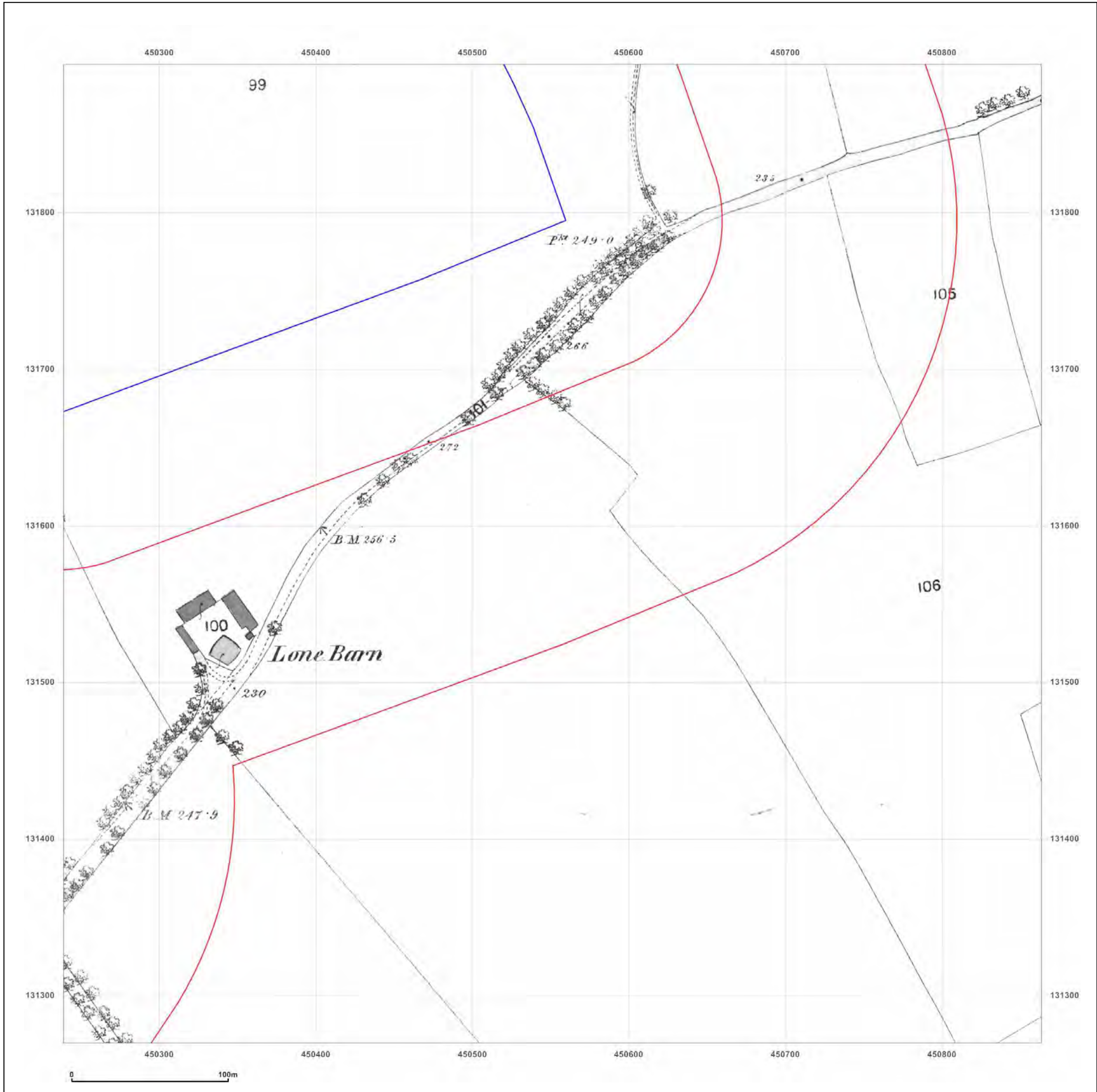


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Production date: 07 October 2020

Map legend available at:



Site Details:

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131042.05233653993

Client Ref: 33689-_M3J9-Site_2
Report Ref: GS-7137933_LS_3_4
Grid Ref: 450551, 131582

Map Name: County Series

Map date: 1870

Scale: 1:2,500

Printed at: 1:2,500



Surveyed 1870
Revised 1870
Edition N/A
Copyright N/A
Levelled N/A

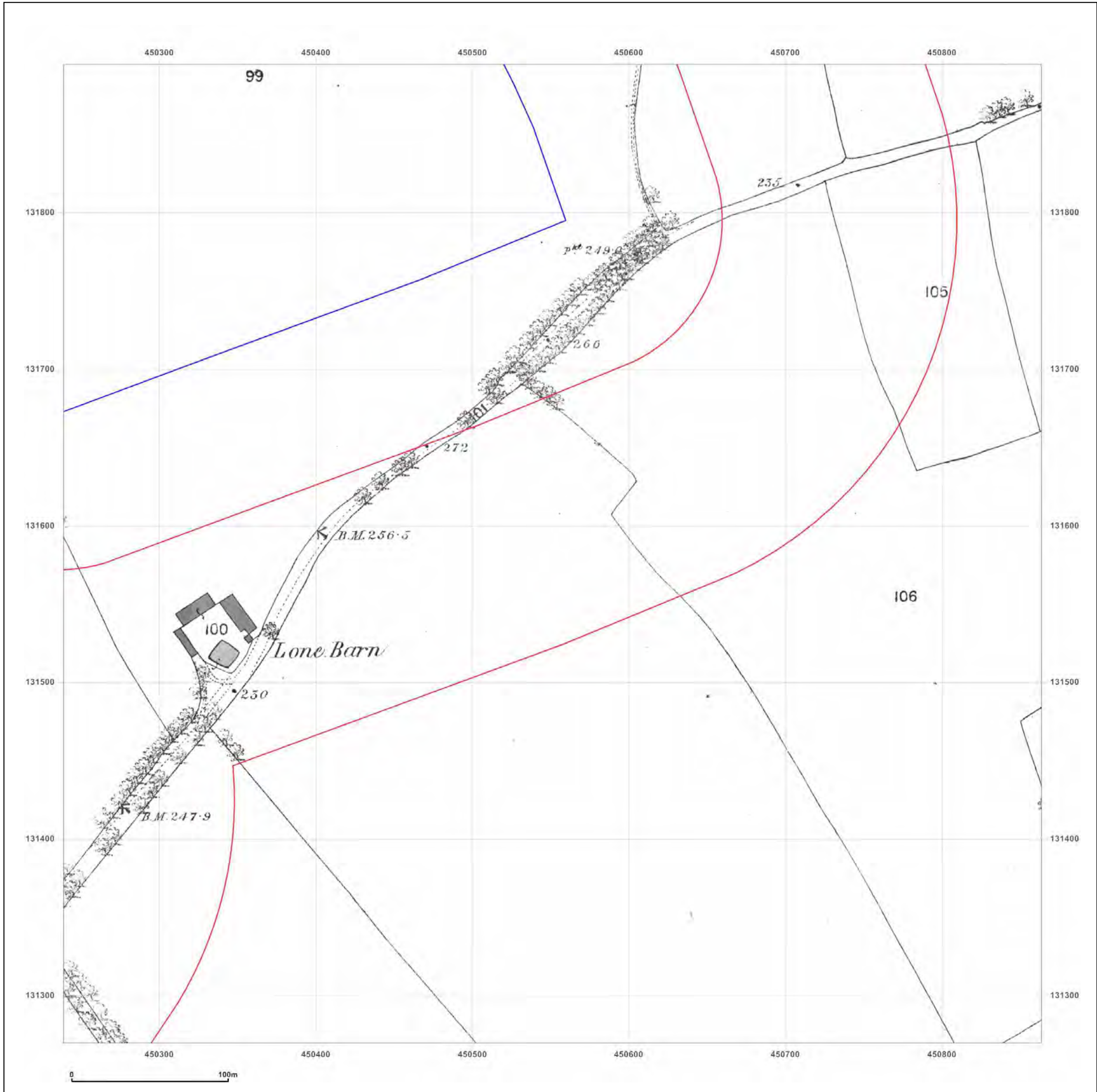


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Map legend available at:



Site Details:

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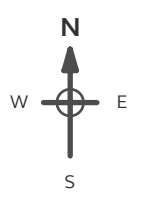
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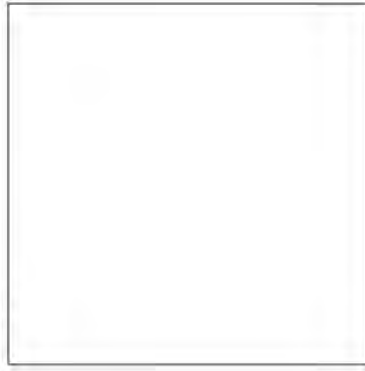
Map Name: County Series

Map date: 1870

Scale: 1:2,500

Printed at: 1:2,500





Surveyed 1870
 Revised 1870
 Edition N/A
 Copyright N/A
 Levelled N/A

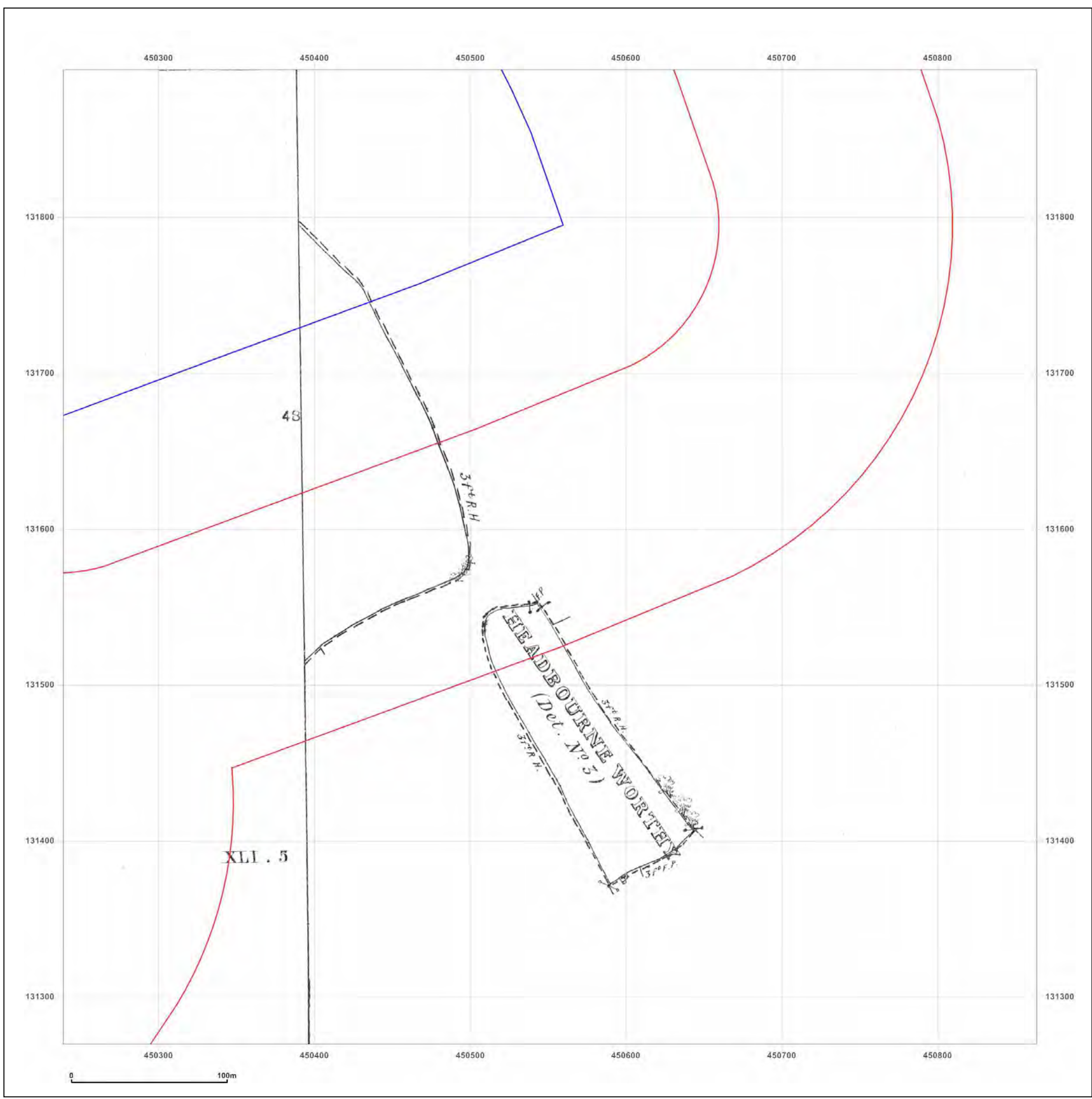


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Production date: 07 October 2020

Map legend available at: [\[redacted\]](#)



Site Details:

449969.3362893146,
131042.05233653993

Client Ref: 33689-_M3J9-Site_2
Report Ref: GS-7137933_LS_3_4
Grid Ref: 450551, 131582

Map Name: County Series

Map date: 1896

Scale: 1:2,500

Printed at: 1:2,500



Surveyed 1896
Revised 1896
Edition N/A
Copyright N/A
Levelled N/A

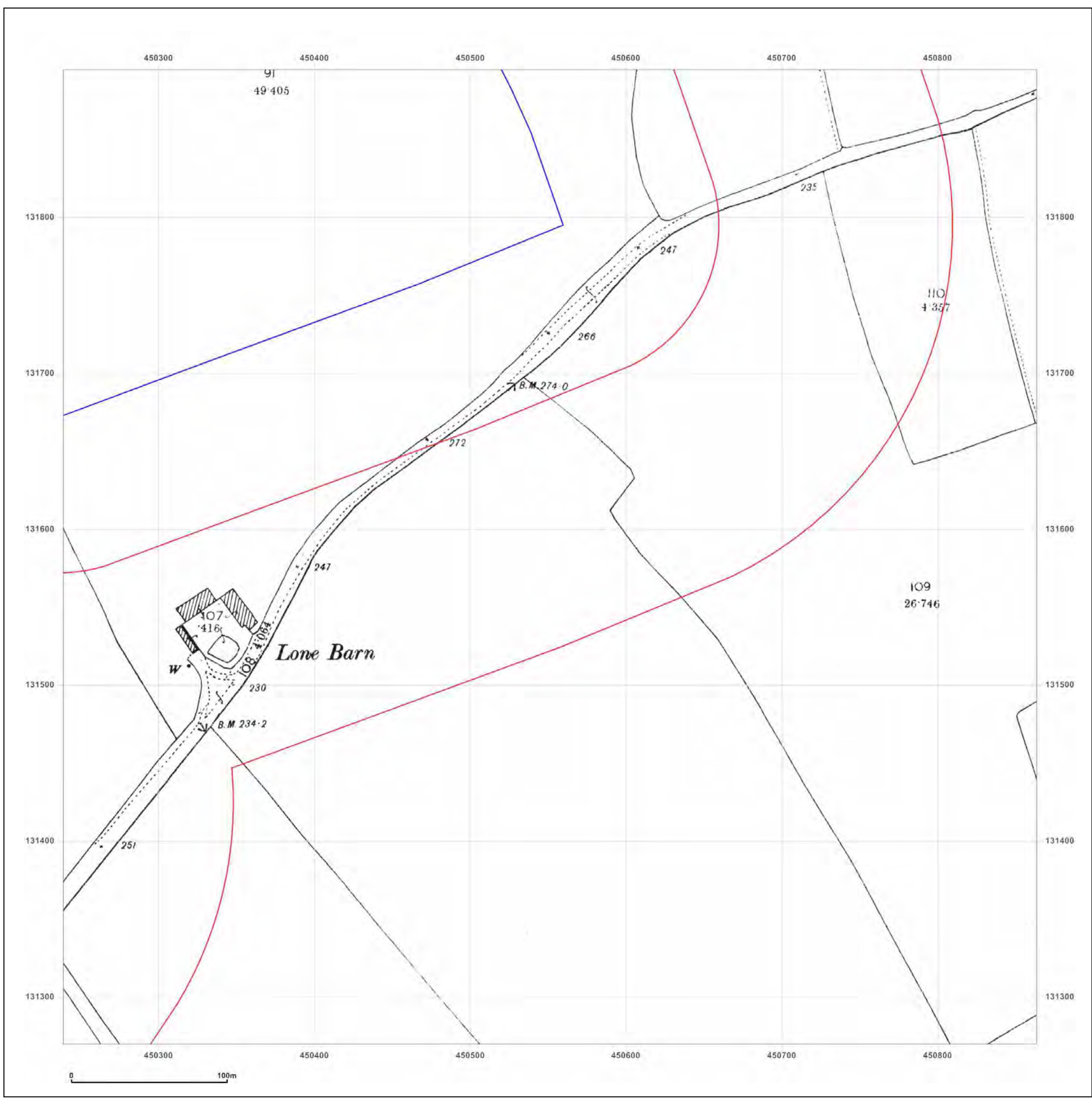


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Site Details:

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131042.05233653993

Client Ref: 33689-_M3J9-Site_2
Report Ref: GS-7137933_LS_3_4
Grid Ref: 450551, 131582

Map Name: County Series

Map date: 1909

Scale: 1:2,500

Printed at: 1:2,500



Surveyed 1909
Revised 1909
Edition N/A
Copyright N/A
Levelled N/A

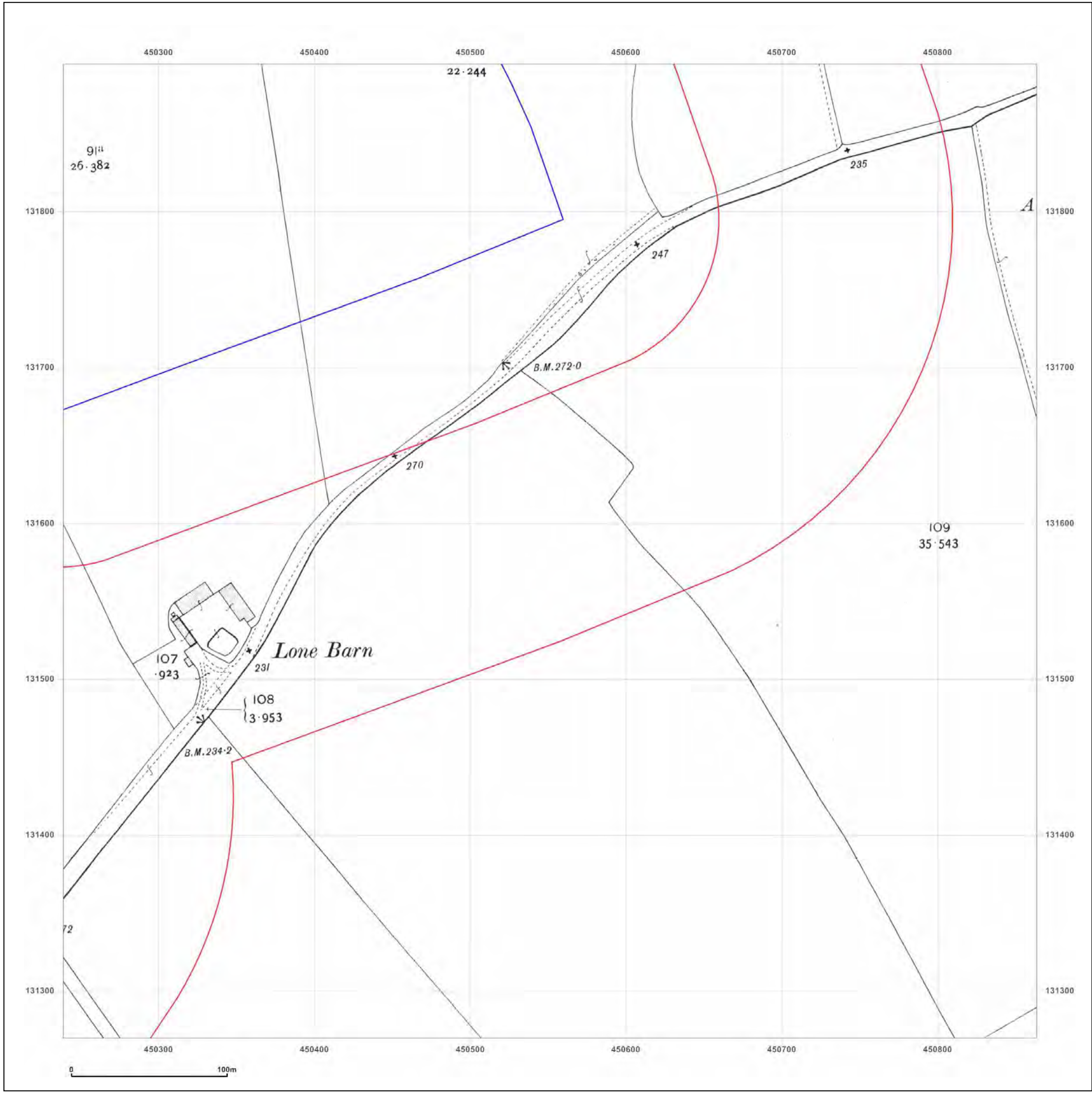


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Site Details:

449969.3362893146,
131042.05233653993

Client Ref: 33689-_M3J9-Site_2
Report Ref: GS-7137933_LS_3_4
Grid Ref: 450551, 131582

Map Name: County Series

Map date: 1932

Scale: 1:2,500

Printed at: 1:2,500



Surveyed 1932
Revised 1932
Edition N/A
Copyright N/A
Levelled N/A

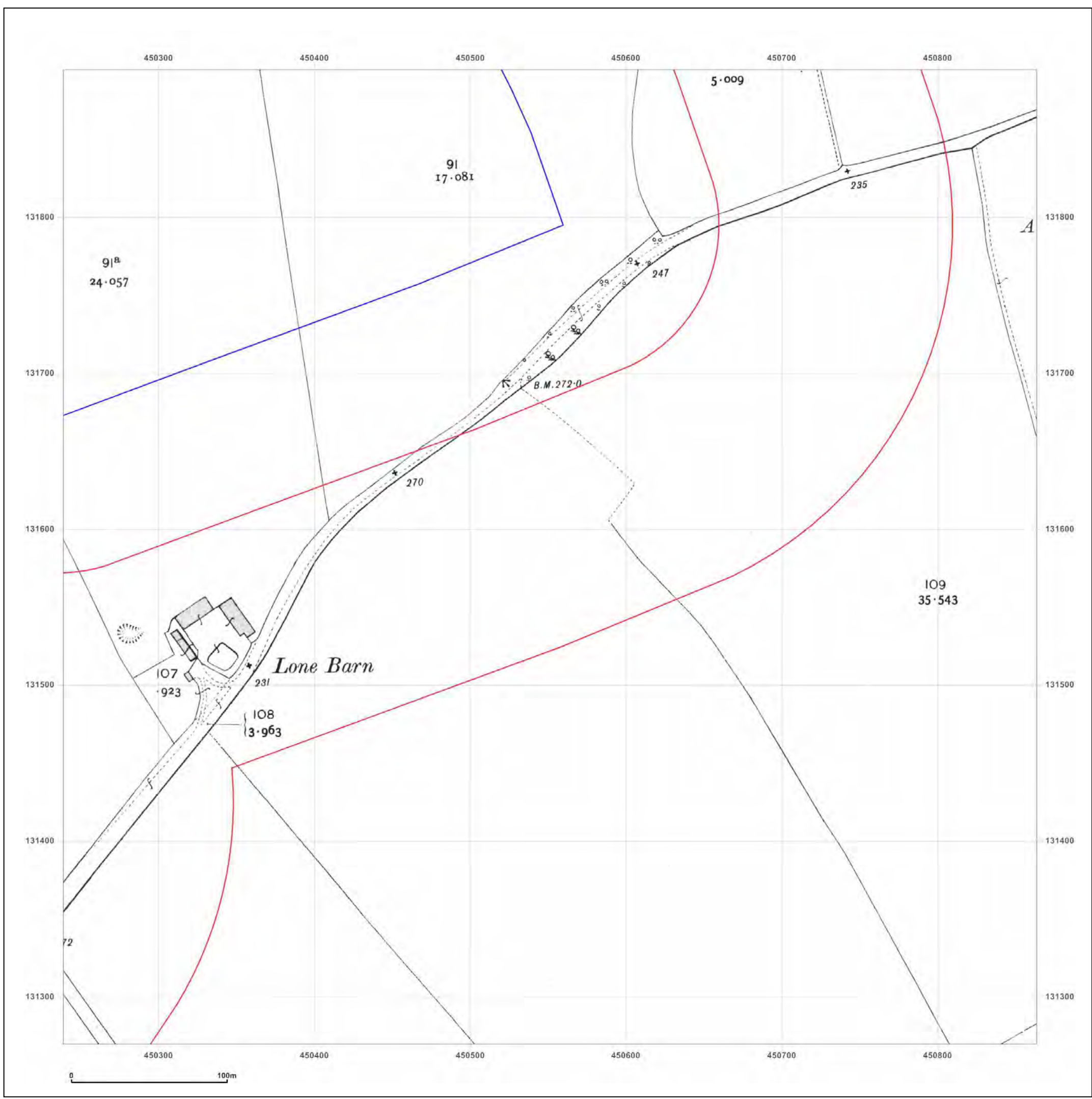


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Production date: 07 October 2020

Map legend available at:



Site Details:

449969.3362893146,
131042.05233653993

Client Ref: 33689-_M3J9-Site_2
Report Ref: GS-7137933_LS_3_4
Grid Ref: 450551, 131582

Map Name: County Series

Map date: 1939

Scale: 1:2,500

Printed at: 1:2,500



Surveyed 1939
Revised 1939
Edition N/A
Copyright N/A
Levelled N/A

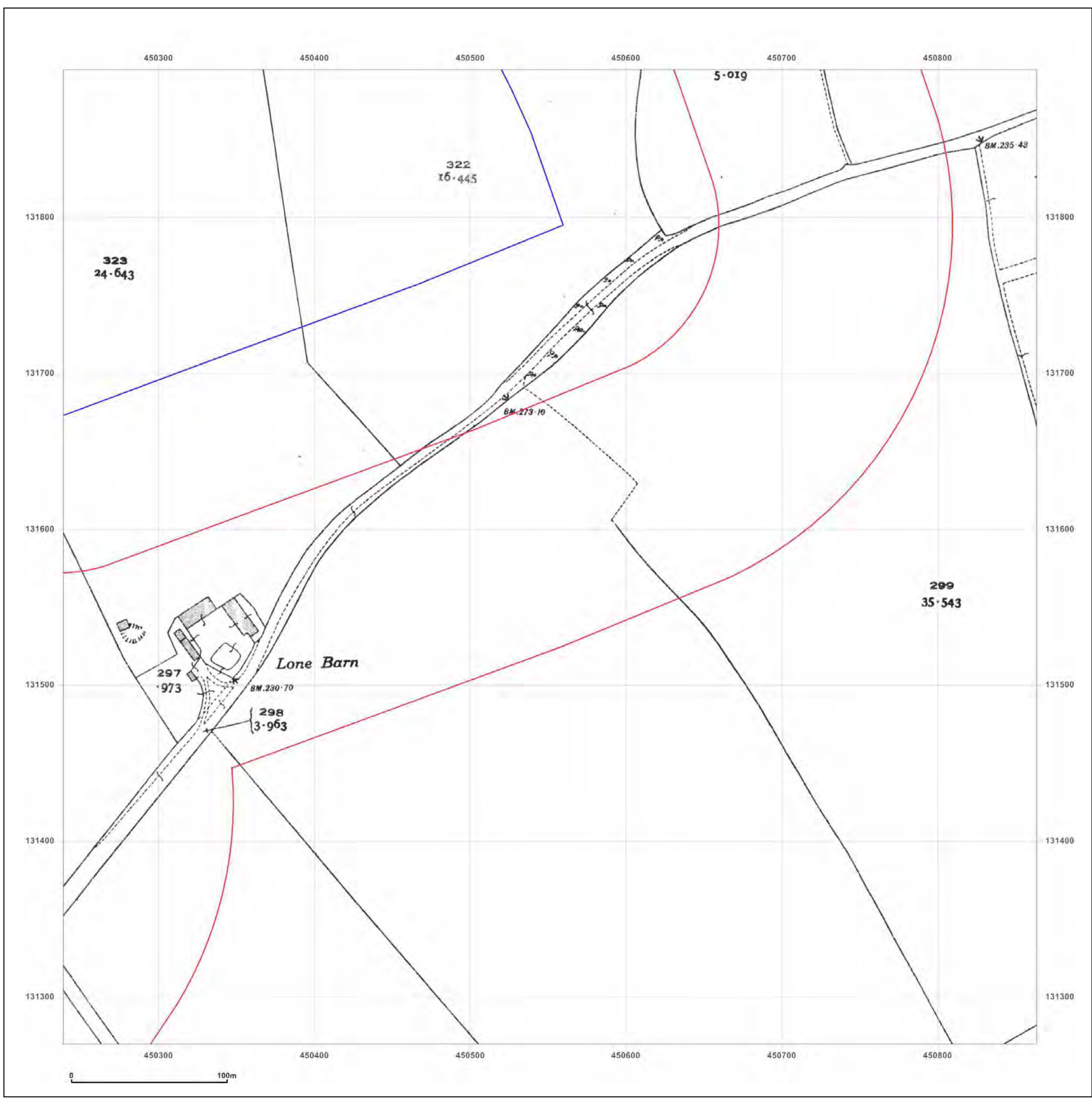


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Production date: 07 October 2020

Map legend available at:



Site Details:

449969.3362893146,
131042.05233653993

Client Ref: 33689-_M3J9-Site_2
Report Ref: GS-7137933_LS_3_4
Grid Ref: 450551, 131582

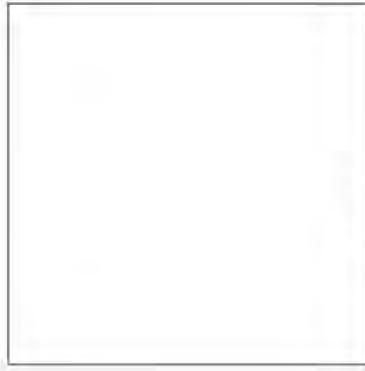
Map Name: National Grid

Map date: 1962

Scale: 1:2,500

Printed at: 1:2,500





Surveyed 1862
Revised 1962
Edition N/A
Copyright 1963
Levelled 1959

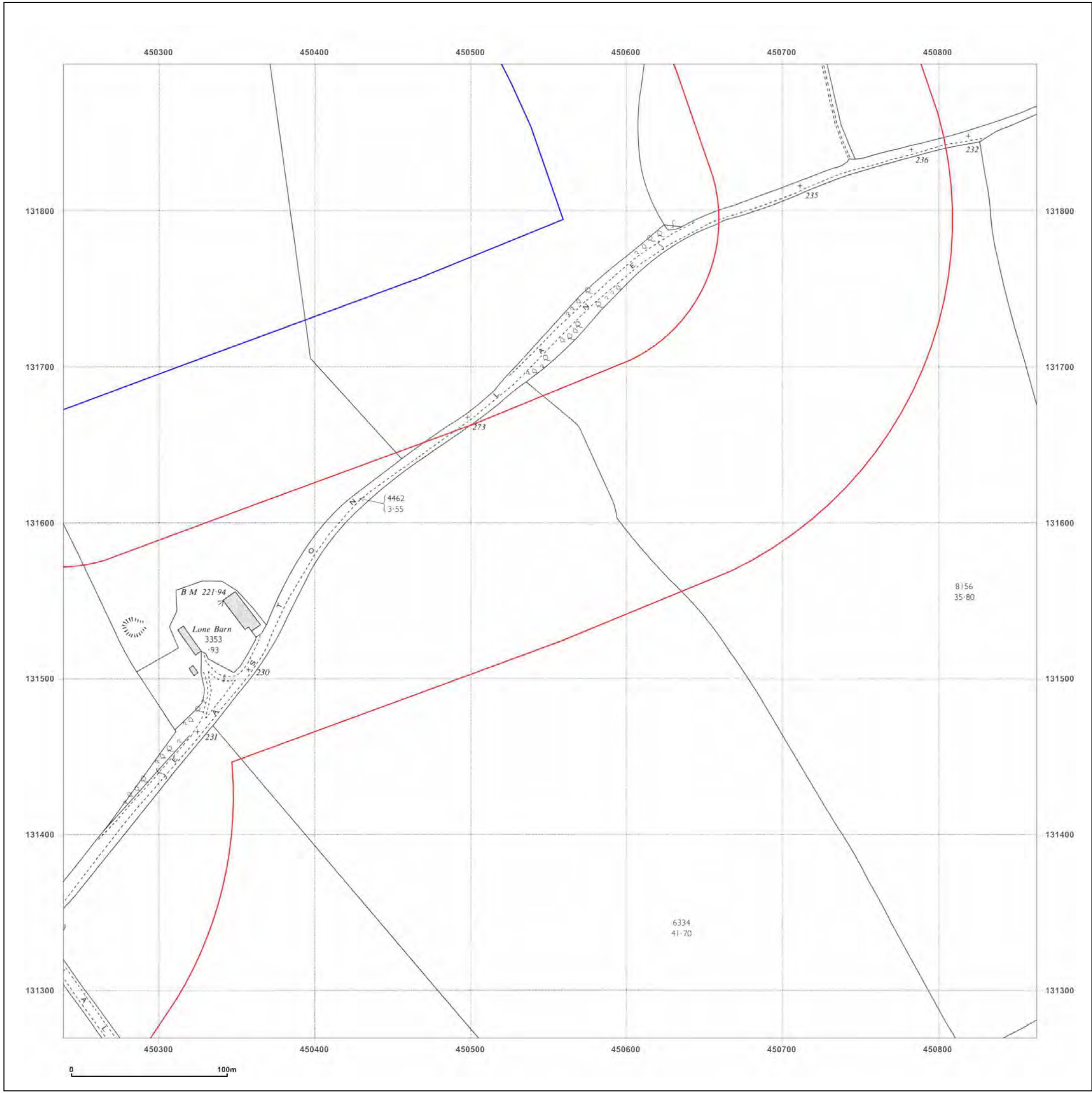


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Site Details:

449969.3362893146,
131042.05233653993

Client Ref: 33689-_M3J9-Site_2
Report Ref: GS-7137933_LS_3_4
Grid Ref: 450551, 131582

Map Name: National Grid

Map date: 1994

Scale: 1:2,500

Printed at: 1:2,500



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

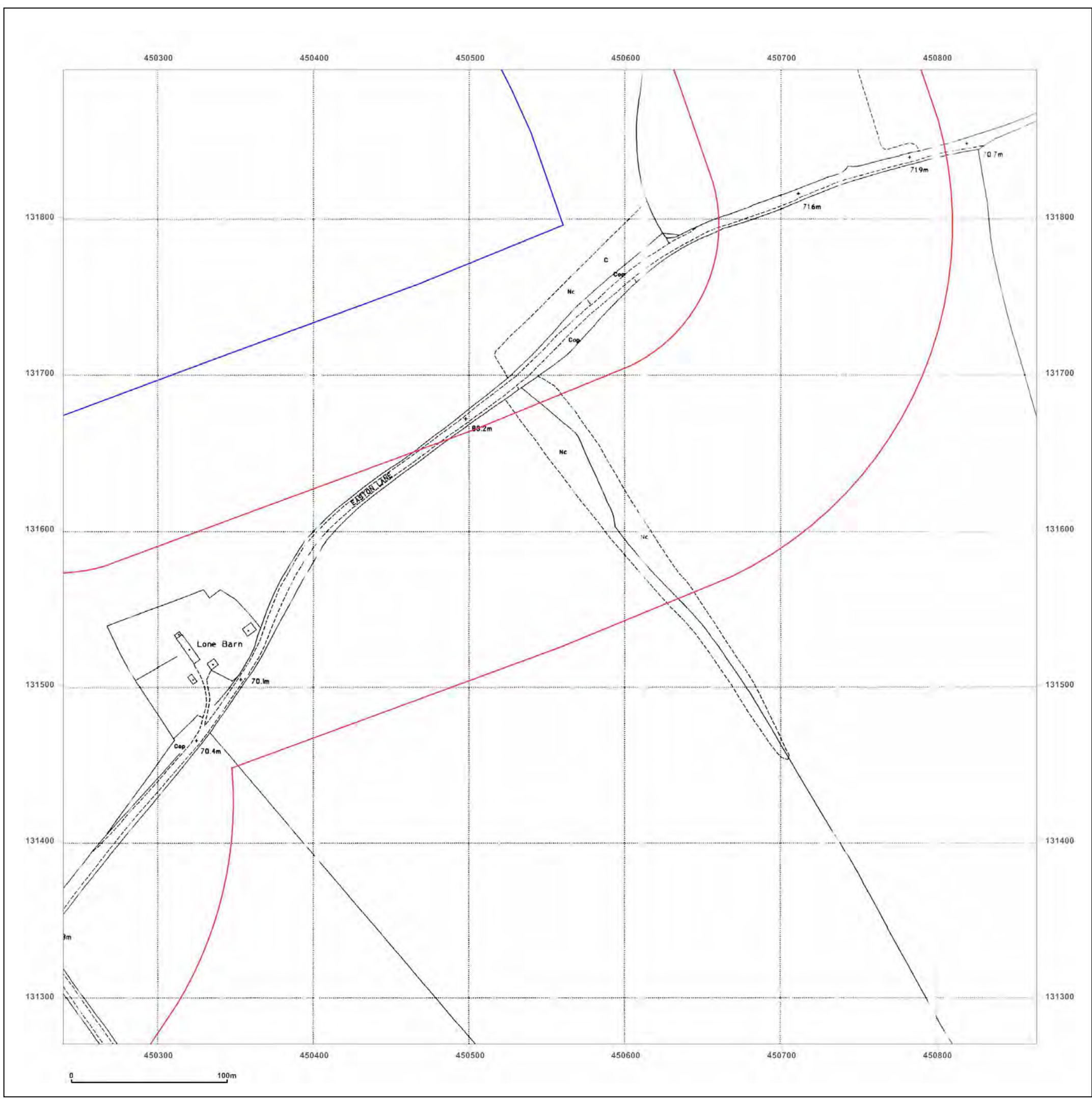


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Site Details:

449969.3362893146,
131042.05233653993

Client Ref: 33689-_M3J9-Site_2
Report Ref: GS-7137933_LS_3_5
Grid Ref: 450551, 132208

Map Name: County Series

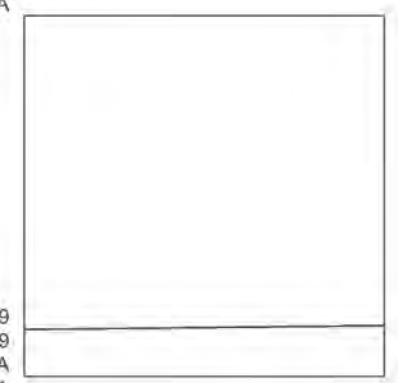
Map date: 1869-1870

Scale: 1:2,500

Printed at: 1:2,500



Surveyed 1870
Revised 1870
Edition N/A
Copyright N/A
Levelled N/A



Surveyed 1869
Revised 1869
Edition N/A
Copyright N/A
Levelled N/A

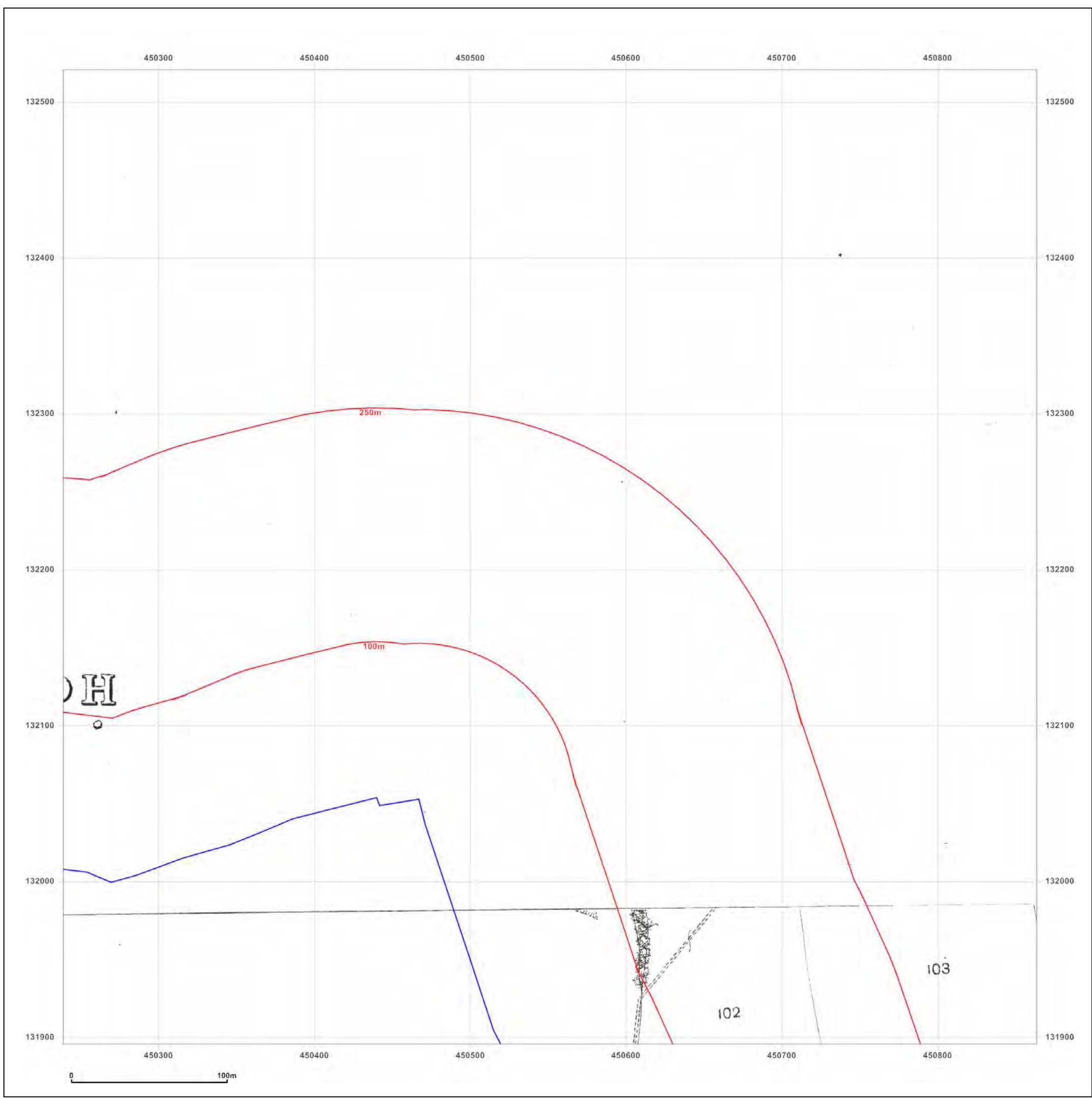


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Site Details:

449969.3362893146,
131042.05233653993

Client Ref: 33689-_M3J9-Site_2
Report Ref: GS-7137933_LS_3_5
Grid Ref: 450551, 132208

Map Name: County Series

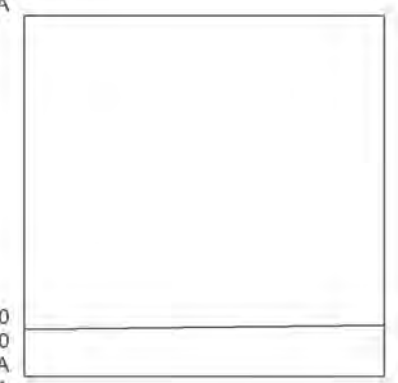
Map date: 1870

Scale: 1:2,500

Printed at: 1:2,500



Surveyed 1870
Revised 1870
Edition N/A
Copyright N/A
Levelled N/A



Surveyed 1870
Revised 1870
Edition N/A
Copyright N/A
Levelled N/A

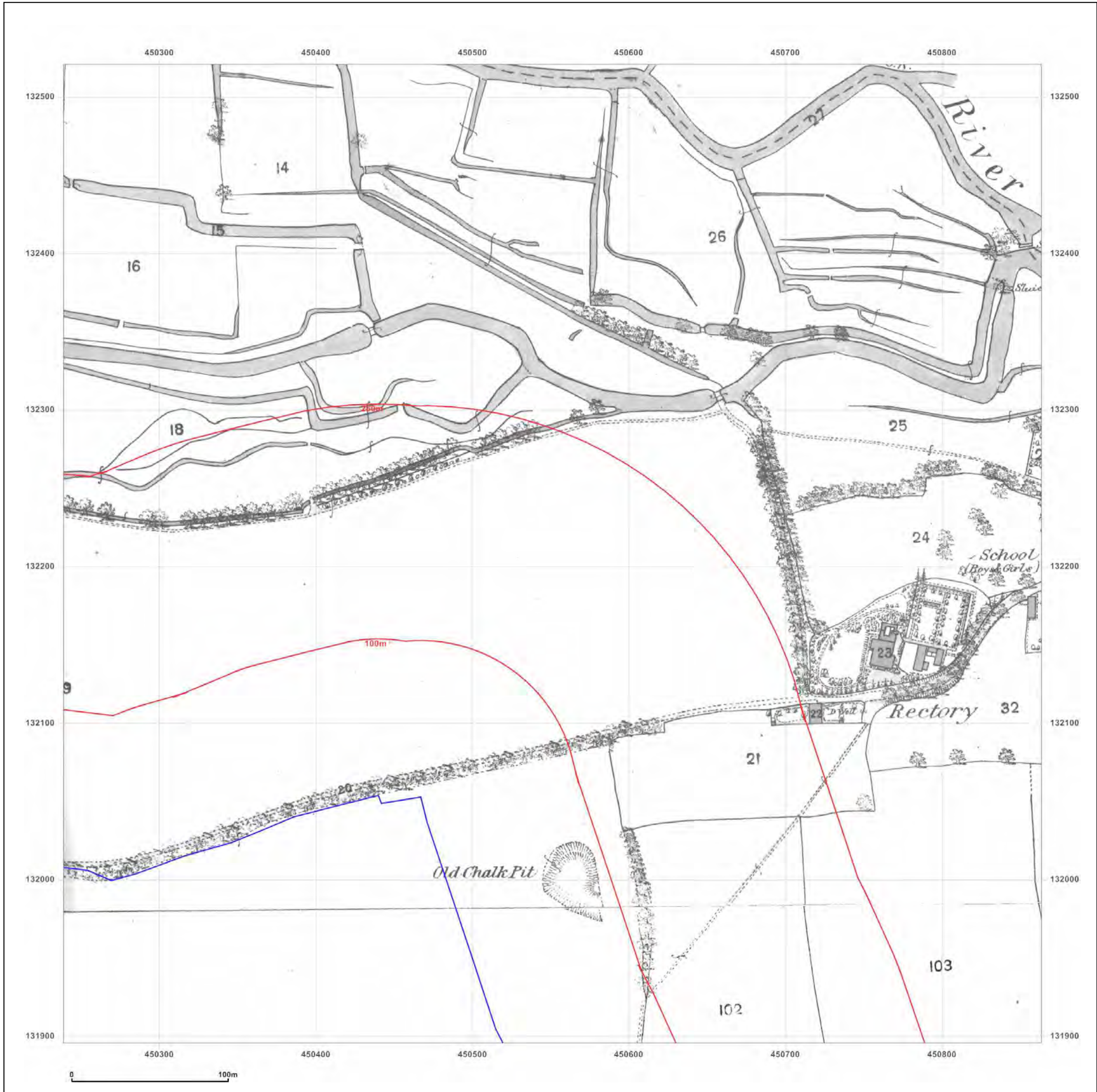


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Site Details:

449969.3362893146,
131042.05233653993

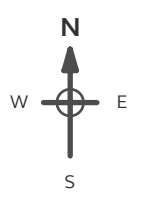
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Report Ref: GS-7137933_LS_3_5
Grid Ref: 450551, 132208

Map Name: County Series

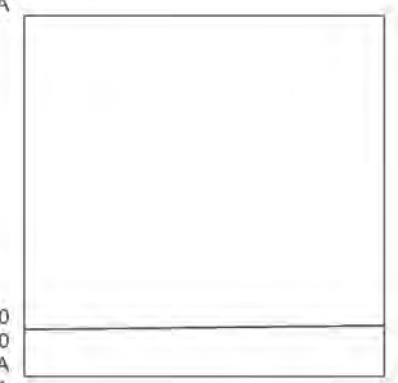
Map date: 1870

Scale: 1:2,500

Printed at: 1:2,500



Surveyed 1870
Revised 1870
Edition N/A
Copyright N/A
Levelled N/A



Surveyed 1870
Revised 1870
Edition N/A
Copyright N/A
Levelled N/A

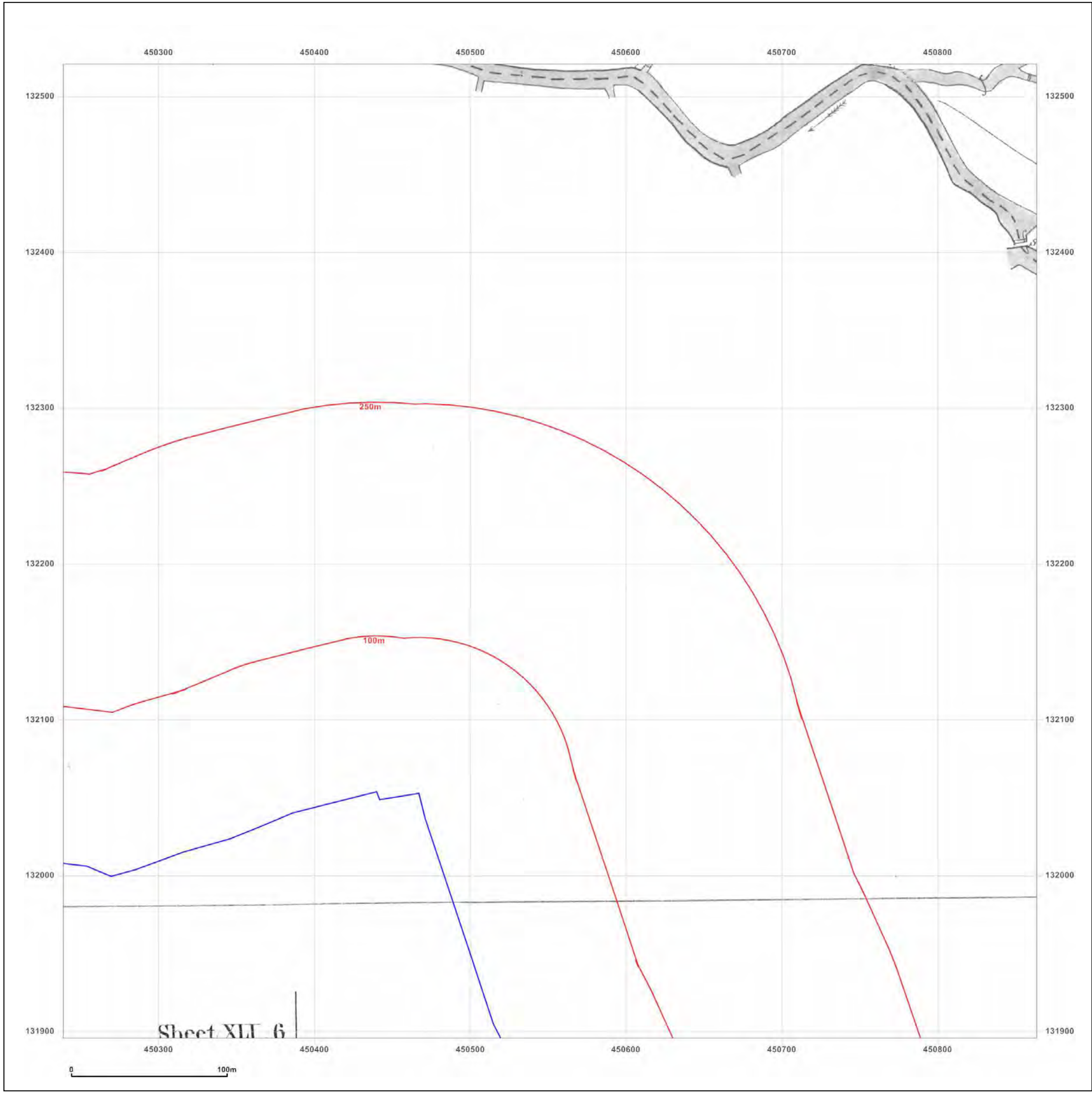


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Site Details:

449969.3362893146,
131042.05233653993

Client Ref: 33689-_M3J9-Site_2
Report Ref: GS-7137933_LS_3_5
Grid Ref: 450551, 132208

Map Name: County Series

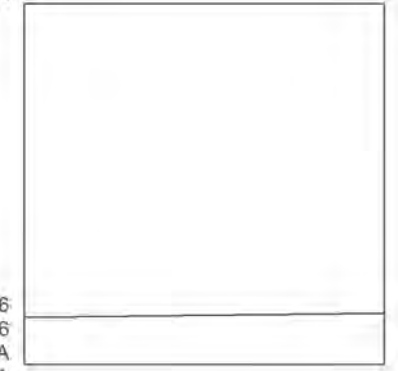
Map date: 1896

Scale: 1:2,500

Printed at: 1:2,500



Surveyed 1896
Revised 1896
Edition N/A
Copyright N/A
Levelled N/A



Surveyed 1896
Revised 1896
Edition N/A
Copyright N/A
Levelled N/A

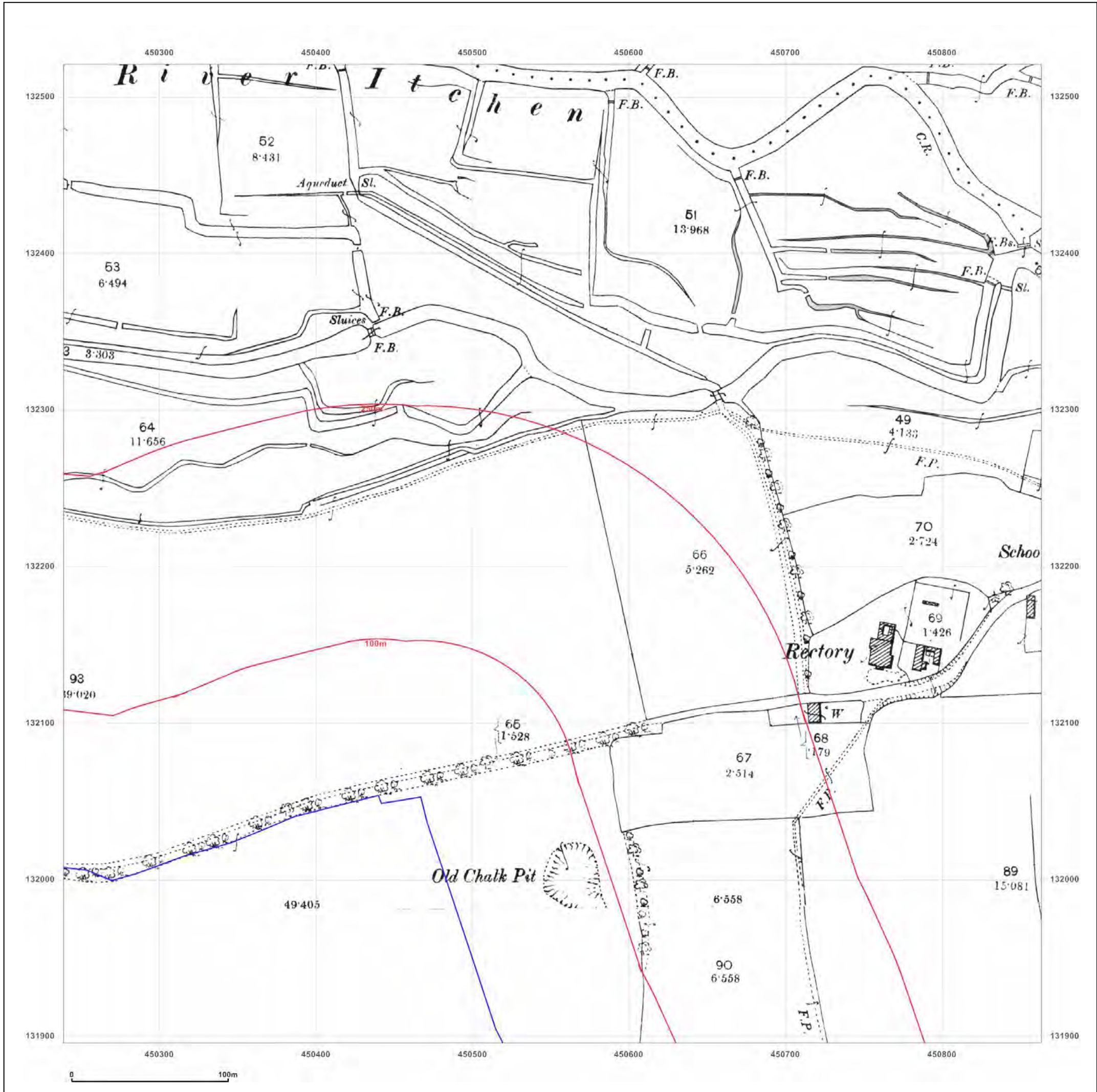


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Production date: 07 October 2020

Map legend available at:



Site Details:

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131042.05233653993

Client Ref: 33689-_M3J9-Site_2
Report Ref: GS-7137933_LS_3_5
Grid Ref: 450551, 132208

Map Name: County Series

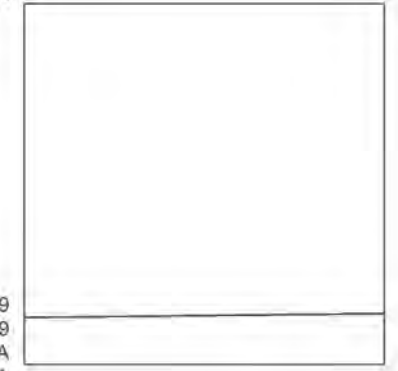
Map date: 1909

Scale: 1:2,500

Printed at: 1:2,500



Surveyed 1909
Revised 1909
Edition N/A
Copyright N/A
Levelled N/A



Surveyed 1909
Revised 1909
Edition N/A
Copyright N/A
Levelled N/A

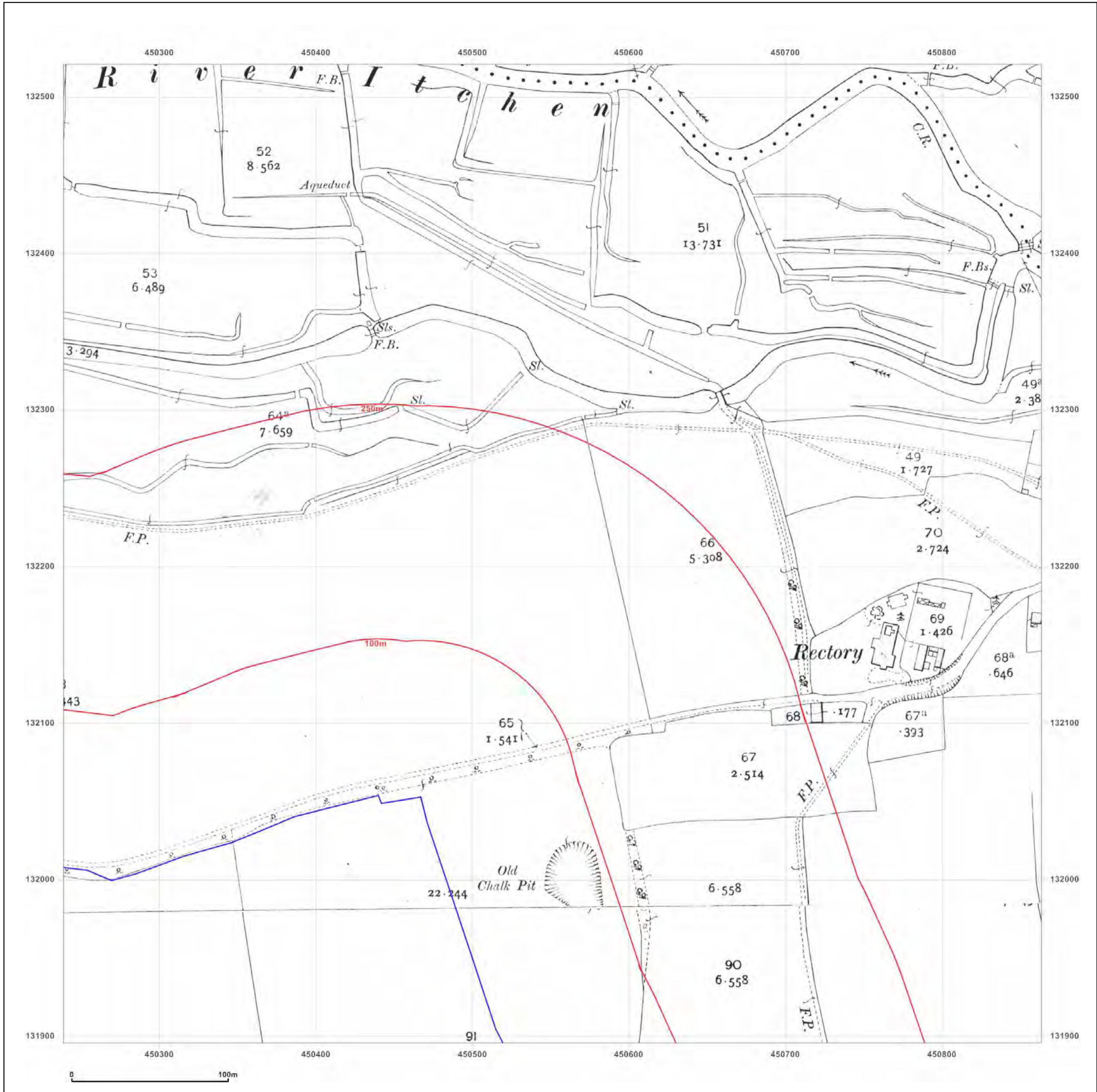


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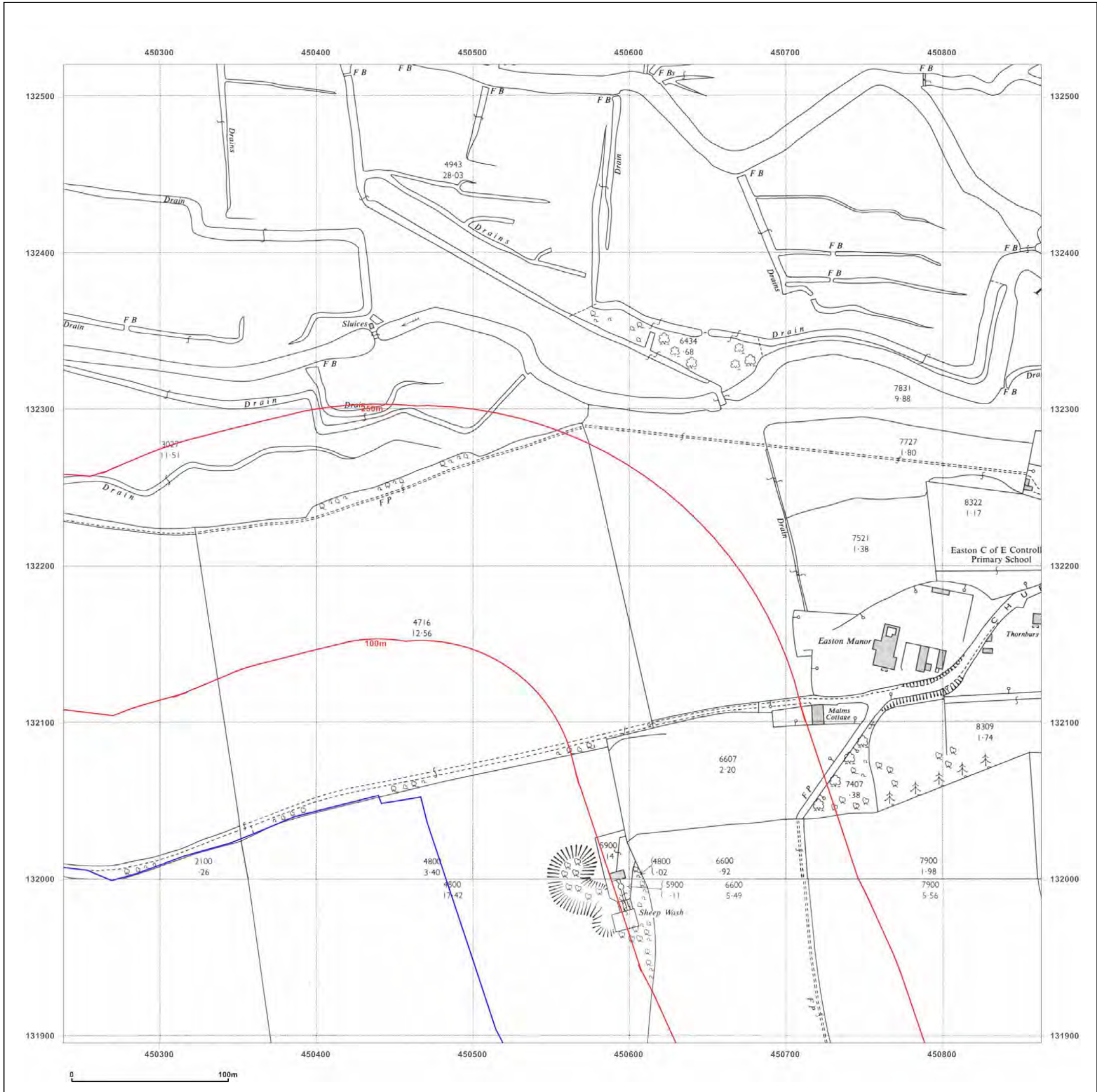
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Report Ref: GS-7137933_LS_3_5
Grid Ref: 450551, 132208

Map Name: National Grid

Map date: 1962

Scale: 1:2,500

Printed at: 1:2,500



Surveyed 1962
Revised 1962
Edition N/A
Copyright 1964
Levelled 1958

Surveyed 1962
Revised 1962
Edition N/A
Copyright 1963
Levelled 1959



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Site Details:

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131042.05233653993

Client Ref: 33689-_M3J9-Site_2
Report Ref: GS-7137933_LS_3_5
Grid Ref: 450551, 132208

Map Name: National Grid

Map date: 1964

Scale: 1:2,500

Printed at: 1:2,500



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

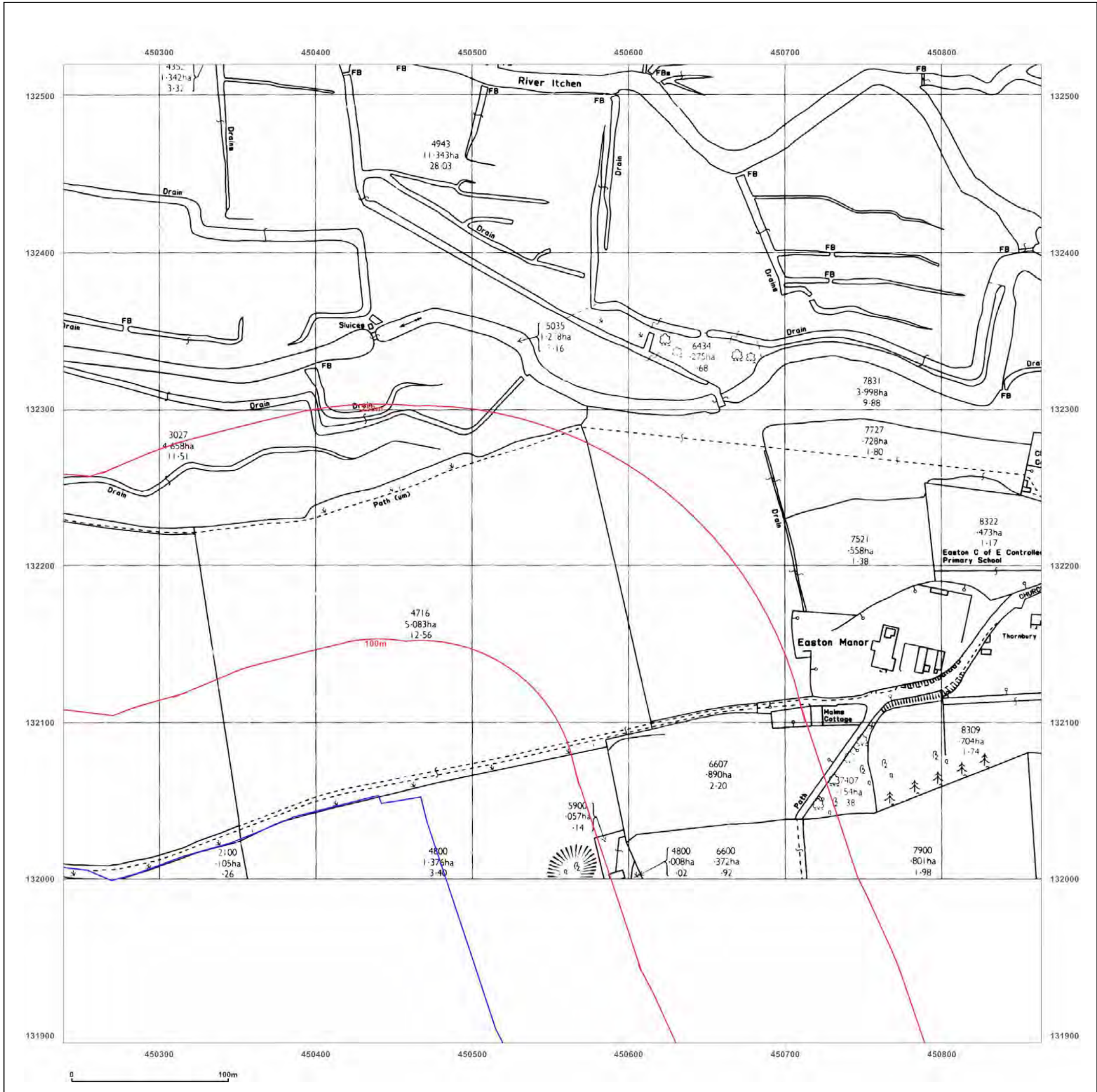


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Site Details:

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131042.05233653993

Client Ref: 33689-_M3J9-Site_2
Report Ref: GS-7137933_LS_3_5
Grid Ref: 450551, 132208

Map Name: National Grid

Map date: 1964

Scale: 1:2,500

Printed at: 1:2,500



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

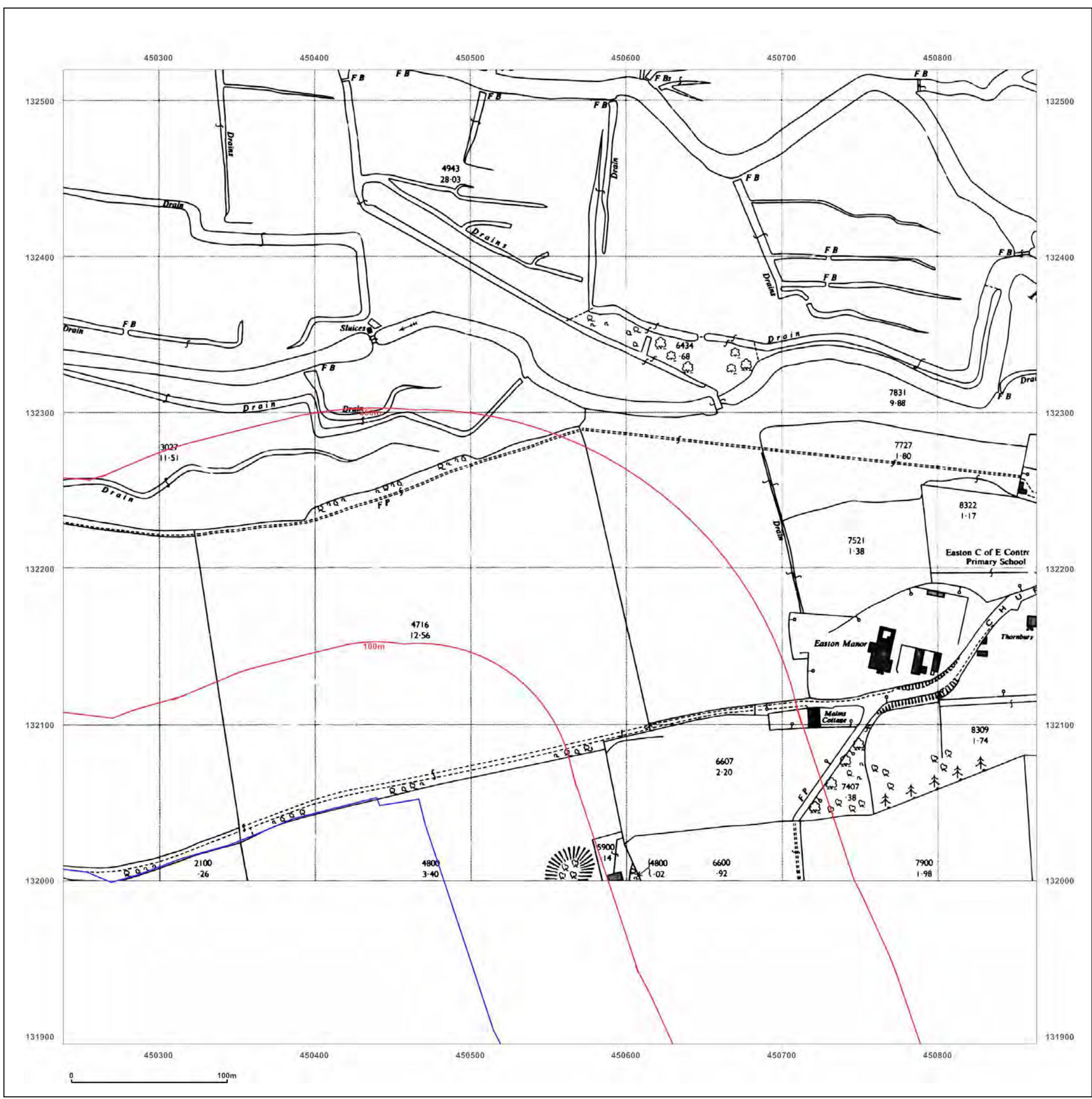


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Production date: 07 October 2020

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Site Details:

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131042.05233653993

Client Ref: 33689-_M3J9-Site_2
Report Ref: GS-7137933_LS_3_5
Grid Ref: 450551, 132208

Map Name: National Grid

Map date: 1986

Scale: 1:2,500

Printed at: 1:2,500



Surveyed 1958
Revised 1986
Edition N/A
Copyright 1986
Levelled 1958

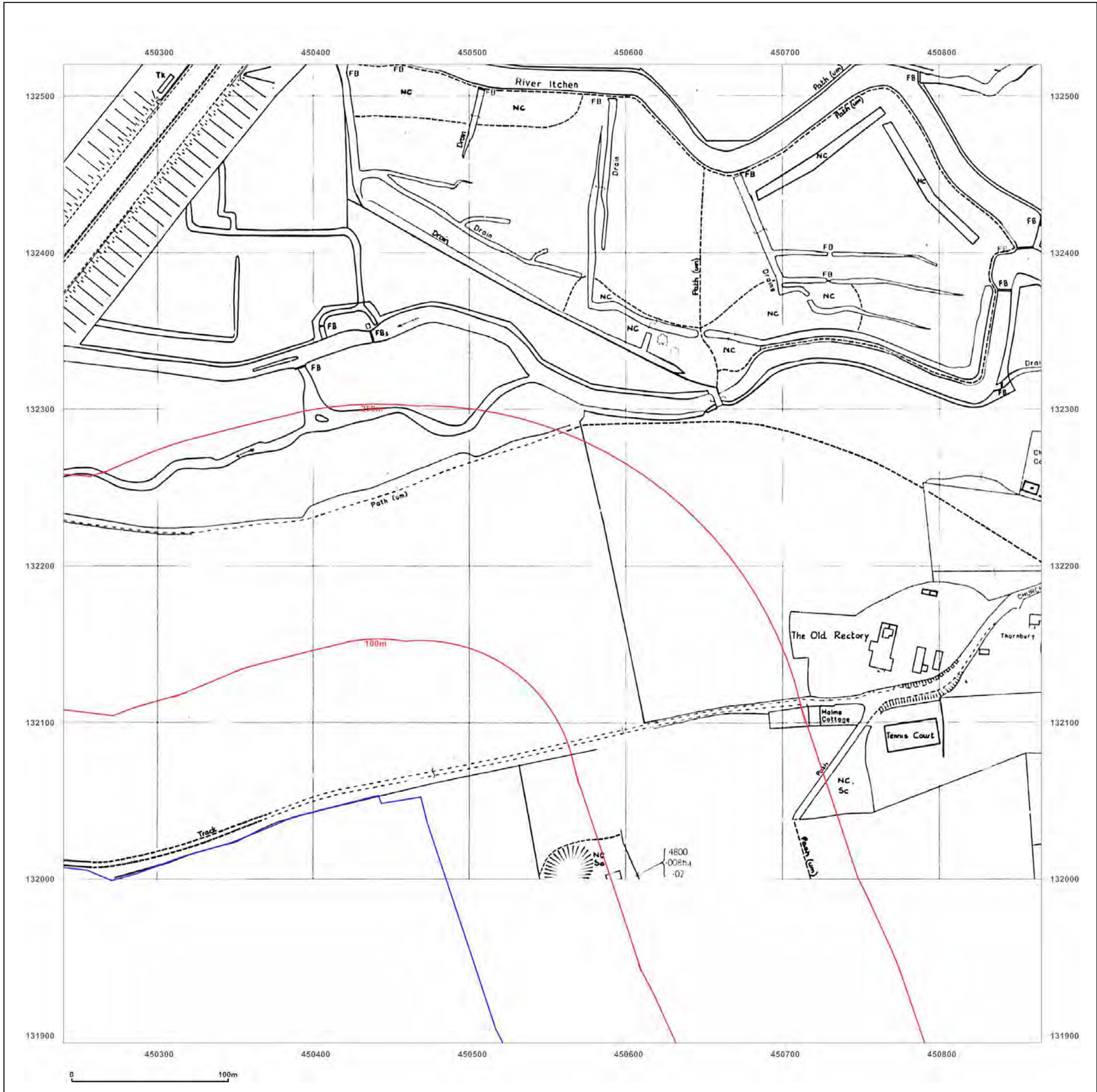


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Site Details:

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131042.05233653993

Client Ref: 33689-_M3J9-Site_2
Report Ref: GS-7137933_LS_3_5
Grid Ref: 450551, 132208

Map Name: National Grid

Map date: 1987

Scale: 1:2,500

Printed at: 1:2,500



Surveyed 1987
Revised 1987
Edition N/A
Copyright 1988
Levelled 1959

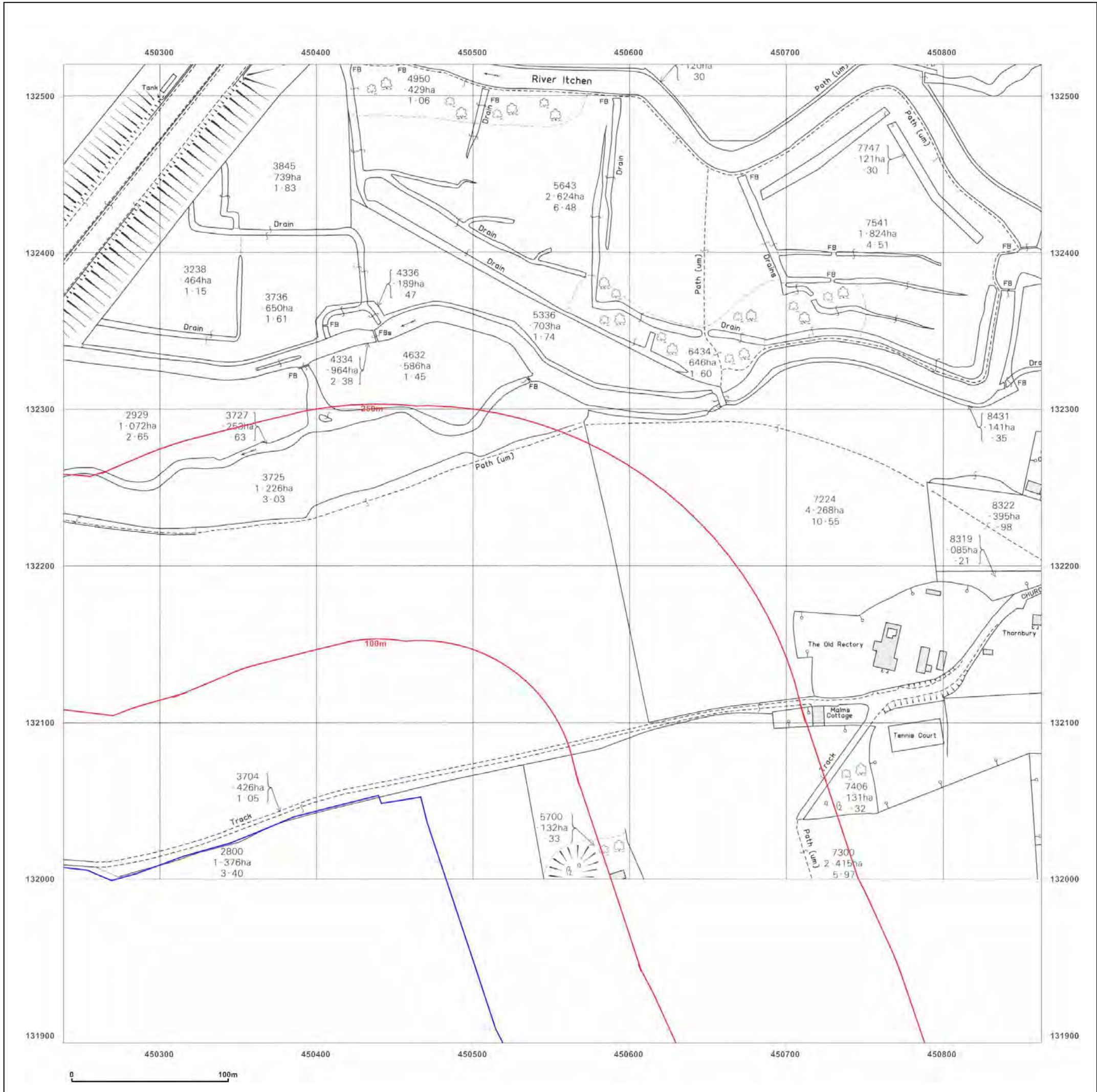


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Production date: 07 October 2020

Map legend available at:



Site Details:

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131042.05233653993

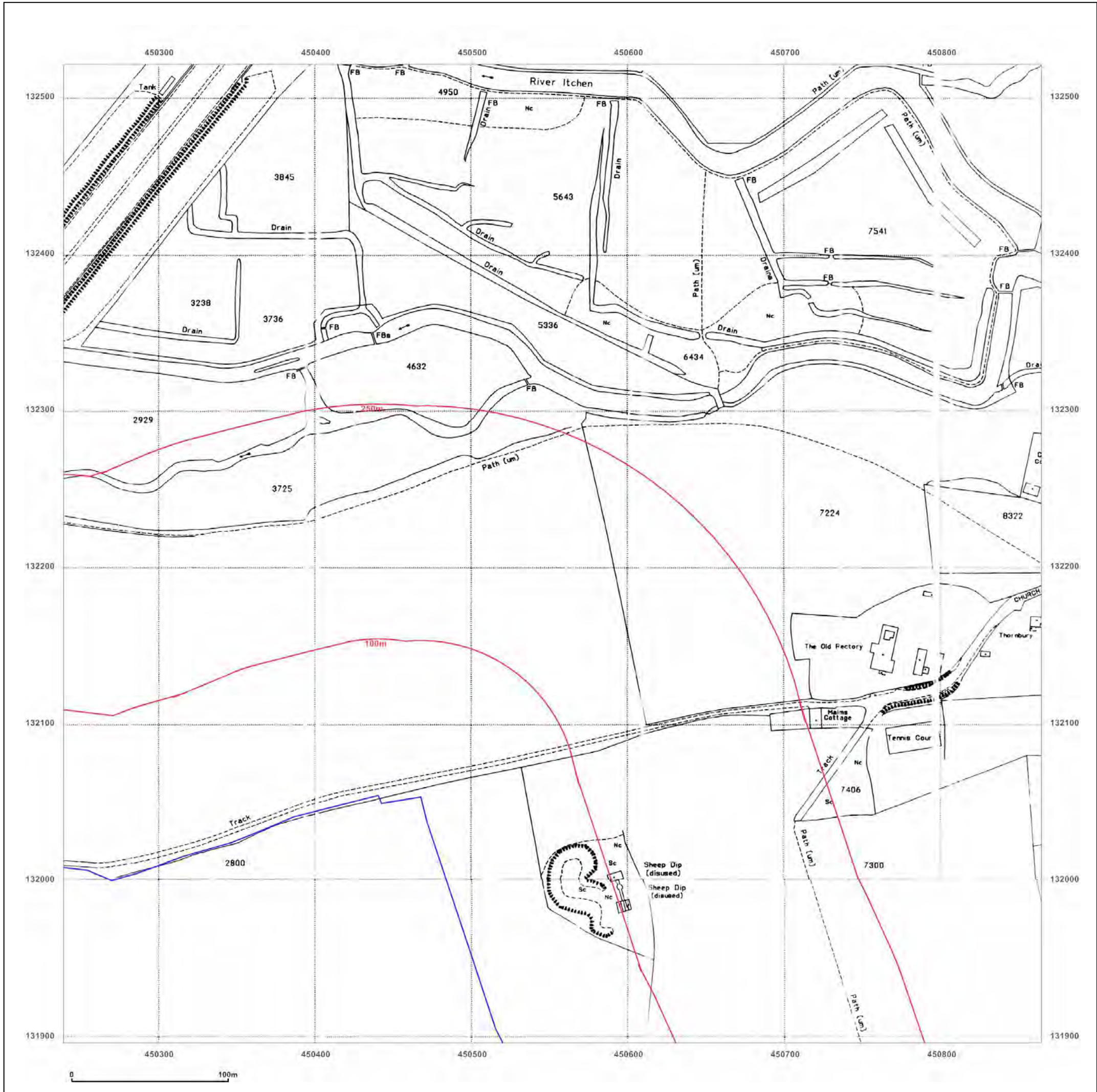
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Report Ref: GS-7137933_LS_3_5
Grid Ref: 450551, 132208

Map Name: National Grid

Map date: 1994

Scale: 1:2,500

Printed at: 1:2,500



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

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



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Production date: 07 October 2020

Map legend available at:

450268.56815755053, 129011.43949057997,

Order Details

Date: 07/10/2020
Your ref: 33689_-_M3J9-_Site_3
Our Ref: GS-7137936
Client: Stantec UK Ltd

Site Details

Location: 450222 129052
Area: 14.65 ha
Authority: [Winchester City Council](#)



Summary of findings

p. 2

Aerial image

p. 8

OS MasterMap site plan

N/A: >10ha

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Summary of findings

Page	Section	Past land use	On site	0-50m	50-250m	250-500m	500-2000m
12	1.1	<u>Historical industrial land uses</u>	3	2	12	19	-
14	1.2	<u>Historical tanks</u>	0	0	0	10	-
15	1.3	<u>Historical energy features</u>	0	0	4	7	-
15	1.4	Historical petrol stations	0	0	0	0	-
16	1.5	Historical garages	0	0	0	0	-
16	1.6	Historical military land	0	0	0	0	-
Page	Section	Past land use - un-grouped	On site	0-50m	50-250m	250-500m	500-2000m
17	2.1	<u>Historical industrial land uses</u>	5	4	18	31	-
20	2.2	<u>Historical tanks</u>	0	0	0	16	-
20	2.3	<u>Historical energy features</u>	0	0	4	20	-
22	2.4	Historical petrol stations	0	0	0	0	-
22	2.5	Historical garages	0	0	0	0	-
Page	Section	Waste and landfill	On site	0-50m	50-250m	250-500m	500-2000m
23	3.1	Active or recent landfill	0	0	0	0	-
23	3.2	Historical landfill (BGS records)	0	0	0	0	-
24	3.3	Historical landfill (LA/mapping records)	0	0	0	0	-
24	3.4	<u>Historical landfill (EA/NRW records)</u>	0	0	0	1	-
24	3.5	Historical waste sites	0	0	0	0	-
24	3.6	Licensed waste sites	0	0	0	0	-
25	3.7	<u>Waste exemptions</u>	0	0	0	42	-
Page	Section	Current industrial land use	On site	0-50m	50-250m	250-500m	500-2000m
29	4.1	<u>Recent industrial land uses</u>	0	0	2	-	-
30	4.2	Current or recent petrol stations	0	0	0	0	-
30	4.3	Electricity cables	0	0	0	0	-
30	4.4	Gas pipelines	0	0	0	0	-
30	4.5	Sites determined as Contaminated Land	0	0	0	0	-



30	4.6	<u>Control of Major Accident Hazards (COMAH)</u>	0	0	1	0	-
31	4.7	Regulated explosive sites	0	0	0	0	-
31	4.8	Hazardous substance storage/usage	0	0	0	0	-
31	4.9	Historical licensed industrial activities (IPC)	0	0	0	0	-
31	4.10	Licensed industrial activities (Part A(1))	0	0	0	0	-
31	4.11	Licensed pollutant release (Part A(2)/B)	0	0	0	0	-
32	4.12	Radioactive Substance Authorisations	0	0	0	0	-
32	4.13	<u>Licensed Discharges to controlled waters</u>	0	0	0	6	-
33	4.14	Pollutant release to surface waters (Red List)	0	0	0	0	-
33	4.15	Pollutant release to public sewer	0	0	0	0	-
33	4.16	List 1 Dangerous Substances	0	0	0	0	-
33	4.17	List 2 Dangerous Substances	0	0	0	0	-
34	4.18	<u>Pollution Incidents (EA/NRW)</u>	0	0	0	1	-
34	4.19	Pollution inventory substances	0	0	0	0	-
34	4.20	Pollution inventory waste transfers	0	0	0	0	-
34	4.21	Pollution inventory radioactive waste	0	0	0	0	-
Page	Section	Hydrogeology	On site	0-50m	50-250m	250-500m	500-2000m
35	5.1	<u>Superficial aquifer</u>	Identified (within 500m)				
37	5.2	<u>Bedrock aquifer</u>	Identified (within 500m)				
39	5.3	<u>Groundwater vulnerability</u>	Identified (within 50m)				
41	5.4	<u>Groundwater vulnerability- soluble rock risk</u>	Identified (within 0m)				
42	5.5	<u>Groundwater vulnerability- local information</u>	Identified (within 0m)				
43	5.6	<u>Groundwater abstractions</u>	0	0	0	0	16
47	5.7	Surface water abstractions	0	0	0	0	0
47	5.8	Potable abstractions	0	0	0	0	0
48	5.9	Source Protection Zones	0	0	0	0	-
48	5.10	Source Protection Zones (confined aquifer)	0	0	0	0	-
Page	Section	Hydrology	On site	0-50m	50-250m	250-500m	500-2000m
49	6.1	Water Network (OS MasterMap)	0	0	0	-	-



49	6.2	Surface water features	0	0	0	-	-
50	6.3	<u>WFD Surface water body catchments</u>	1	-	-	-	-
50	6.4	<u>WFD Surface water bodies</u>	0	0	0	-	-
51	6.5	<u>WFD Groundwater bodies</u>	1	-	-	-	-
Page	Section	River and coastal flooding	On site	0-50m	50-250m	250-500m	500-2000m
52	7.1	Risk of Flooding from Rivers and Sea (RoFRaS)	None (within 50m)				
52	7.2	Historical Flood Events	0	0	0	-	-
52	7.3	Flood Defences	0	0	0	-	-
52	7.4	Areas Benefiting from Flood Defences	0	0	0	-	-
53	7.5	Flood Storage Areas	0	0	0	-	-
54	7.6	Flood Zone 2	None (within 50m)				
54	7.7	Flood Zone 3	None (within 50m)				
Page	Section	Surface water flooding					
55	8.1	<u>Surface water flooding</u>	1 in 30 year, Greater than 1.0m (within 50m)				
Page	Section	Groundwater flooding					
57	9.1	<u>Groundwater flooding</u>	Moderate (within 50m)				
Page	Section	Environmental designations	On site	0-50m	50-250m	250-500m	500-2000m
58	10.1	<u>Sites of Special Scientific Interest (SSSI)</u>	0	0	0	0	4
59	10.2	Conserved wetland sites (Ramsar sites)	0	0	0	0	0
59	10.3	<u>Special Areas of Conservation (SAC)</u>	0	0	0	0	1
60	10.4	Special Protection Areas (SPA)	0	0	0	0	0
60	10.5	National Nature Reserves (NNR)	0	0	0	0	0
60	10.6	Local Nature Reserves (LNR)	0	0	0	0	0
60	10.7	<u>Designated Ancient Woodland</u>	0	0	0	0	1
61	10.8	Biosphere Reserves	0	0	0	0	0
61	10.9	Forest Parks	0	0	0	0	0
61	10.10	Marine Conservation Zones	0	0	0	0	0
61	10.11	Green Belt	0	0	0	0	0
61	10.12	Proposed Ramsar sites	0	0	0	0	0



62	10.13	Possible Special Areas of Conservation (pSAC)	0	0	0	0	0
62	10.14	Potential Special Protection Areas (pSPA)	0	0	0	0	0
62	10.15	Nitrate Sensitive Areas	0	0	0	0	0
62	10.16	<u>Nitrate Vulnerable Zones</u>	2	0	0	0	1
64	10.17	<u>SSSI Impact Risk Zones</u>	2	-	-	-	-
66	10.18	<u>SSSI Units</u>	0	0	0	0	17
Page	Section	Visual and cultural designations	On site	0-50m	50-250m	250-500m	500-2000m
73	11.1	World Heritage Sites	0	0	0	-	-
74	11.2	Area of Outstanding Natural Beauty	0	0	0	-	-
74	11.3	<u>National Parks</u>	1	0	0	-	-
74	11.4	Listed Buildings	0	0	0	-	-
75	11.5	<u>Conservation Areas</u>	1	0	0	-	-
75	11.6	<u>Scheduled Ancient Monuments</u>	0	0	1	-	-
75	11.7	Registered Parks and Gardens	0	0	0	-	-
Page	Section	Agricultural designations	On site	0-50m	50-250m	250-500m	500-2000m
76	12.1	<u>Agricultural Land Classification</u>	Grade 2 (within 250m)				
77	12.2	<u>Open Access Land</u>	0	2	1	-	-
77	12.3	Tree Felling Licences	0	0	0	-	-
78	12.4	Environmental Stewardship Schemes	0	0	0	-	-
78	12.5	<u>Countryside Stewardship Schemes</u>	0	1	0	-	-
Page	Section	Habitat designations	On site	0-50m	50-250m	250-500m	500-2000m
79	13.1	<u>Priority Habitat Inventory</u>	2	12	19	-	-
81	13.2	<u>Habitat Networks</u>	1	3	1	-	-
81	13.3	Open Mosaic Habitat	0	0	0	-	-
81	13.4	Limestone Pavement Orders	0	0	0	-	-
Page	Section	Geology 1:10,000 scale	On site	0-50m	50-250m	250-500m	500-2000m
83	14.1	<u>10k Availability</u>	Identified (within 500m)				
84	14.2	<u>Artificial and made ground (10k)</u>	1	1	3	1	-
86	14.3	<u>Superficial geology (10k)</u>	2	0	0	1	-



87	14.4	Landslip (10k)	0	0	0	0	-
88	14.5	<u>Bedrock geology (10k)</u>	5	1	3	1	-
89	14.6	Bedrock faults and other linear features (10k)	0	0	0	0	-
Page	Section	Geology 1:50,000 scale	On site	0-50m	50-250m	250-500m	500-2000m
90	15.1	<u>50k Availability</u>	Identified (within 500m)				
91	15.2	<u>Artificial and made ground (50k)</u>	0	0	1	1	-
92	15.3	Artificial ground permeability (50k)	0	0	-	-	-
93	15.4	<u>Superficial geology (50k)</u>	1	0	0	1	-
94	15.5	<u>Superficial permeability (50k)</u>	Identified (within 50m)				
94	15.6	Landslip (50k)	0	0	0	0	-
94	15.7	Landslip permeability (50k)	None (within 50m)				
95	15.8	<u>Bedrock geology (50k)</u>	3	1	1	0	-
96	15.9	<u>Bedrock permeability (50k)</u>	Identified (within 50m)				
96	15.10	Bedrock faults and other linear features (50k)	0	0	0	0	-
Page	Section	Boreholes	On site	0-50m	50-250m	250-500m	500-2000m
97	16.1	<u>BGS Boreholes</u>	0	1	2	-	-
Page	Section	Natural ground subsidence					
99	17.1	<u>Shrink swell clays</u>	Very low (within 50m)				
100	17.2	<u>Running sands</u>	Very low (within 50m)				
102	17.3	<u>Compressible deposits</u>	Negligible (within 50m)				
103	17.4	<u>Collapsible deposits</u>	Very low (within 50m)				
104	17.5	<u>Landslides</u>	Low (within 50m)				
106	17.6	<u>Ground dissolution of soluble rocks</u>	Very low (within 50m)				
Page	Section	Mining, ground workings and natural cavities	On site	0-50m	50-250m	250-500m	500-2000m
108	18.1	Natural cavities	0	0	0	0	-
109	18.2	<u>BritPits</u>	0	0	1	0	-
109	18.3	<u>Surface ground workings</u>	5	4	18	-	-
110	18.4	<u>Underground workings</u>	0	0	0	0	8
111	18.5	<u>Historical Mineral Planning Areas</u>	0	0	0	1	-



111	18.6	<u>Non-coal mining</u>	2	0	0	0	2
112	18.7	Mining cavities	0	0	0	0	0
112	18.8	JPB mining areas	None (within 0m)				
112	18.9	Coal mining	None (within 0m)				
113	18.10	Brine areas	None (within 0m)				
113	18.11	Gypsum areas	None (within 0m)				
113	18.12	Tin mining	None (within 0m)				
113	18.13	Clay mining	None (within 0m)				
Page	Section	Radon					
114	19.1	<u>Radon</u>	Between 1% and 3% (within 0m)				
Page	Section	Soil chemistry	On site	0-50m	50-250m	250-500m	500-2000m
116	20.1	<u>BGS Estimated Background Soil Chemistry</u>	27	3	-	-	-
118	20.2	BGS Estimated Urban Soil Chemistry	0	0	-	-	-
118	20.3	BGS Measured Urban Soil Chemistry	0	0	-	-	-
Page	Section	Railway infrastructure and projects	On site	0-50m	50-250m	250-500m	500-2000m
119	21.1	Underground railways (London)	0	0	0	-	-
119	21.2	Underground railways (Non-London)	0	0	0	-	-
119	21.3	Railway tunnels	0	0	0	-	-
119	21.4	Historical railway and tunnel features	0	0	0	-	-
119	21.5	Royal Mail tunnels	0	0	0	-	-
120	21.6	Historical railways	0	0	0	-	-
120	21.7	Railways	0	0	0	-	-
120	21.8	Crossrail 1	0	0	0	0	-
120	21.9	Crossrail 2	0	0	0	0	-
120	21.10	HS2	0	0	0	0	-

Recent aerial photograph



Capture Date: 21/06/2017

Site Area: 14.65ha



Recent site history - 2013 aerial photograph

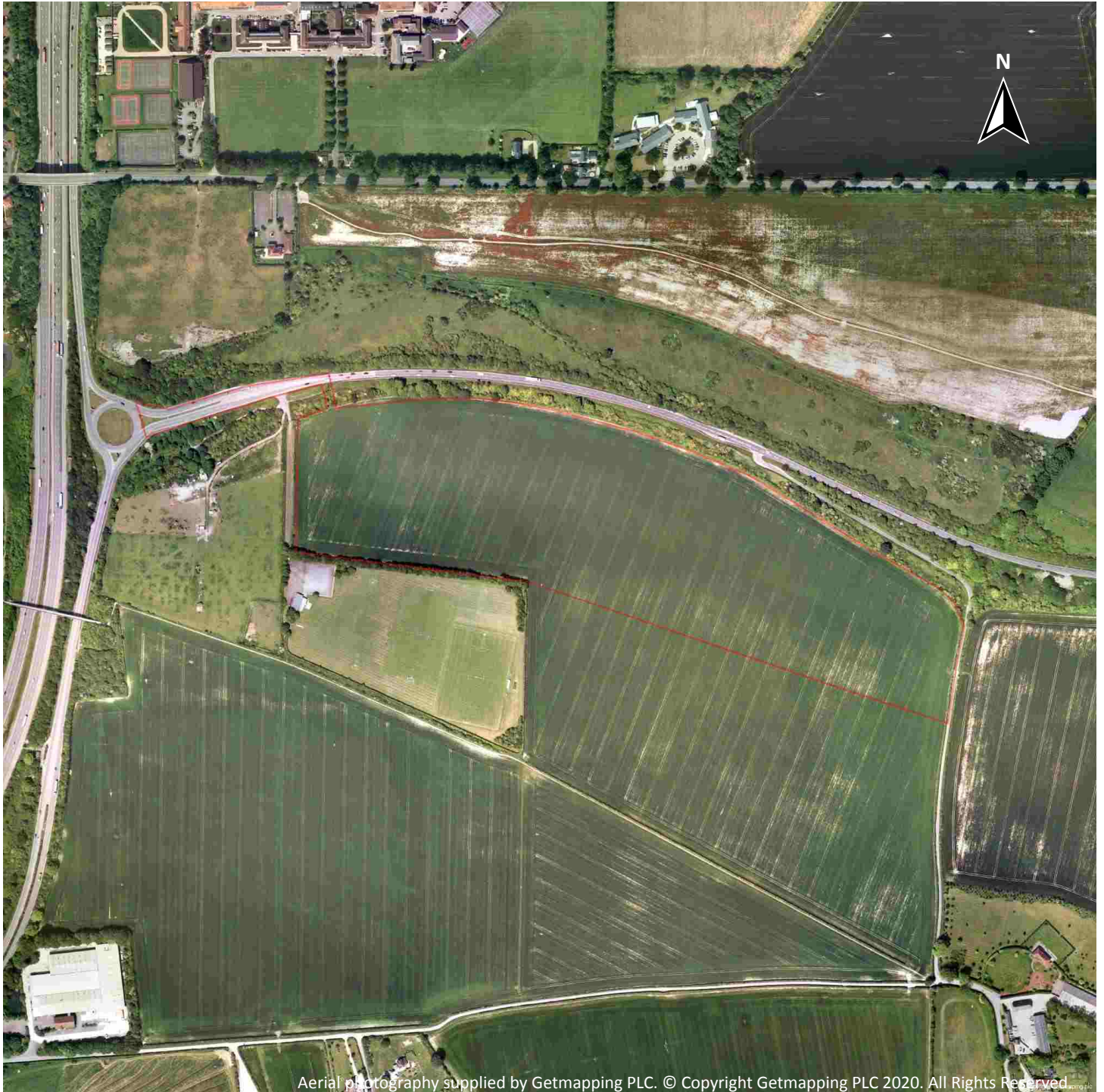


Capture Date: 04/06/2013

Site Area: 14.65ha



Recent site history - 2005 aerial photograph

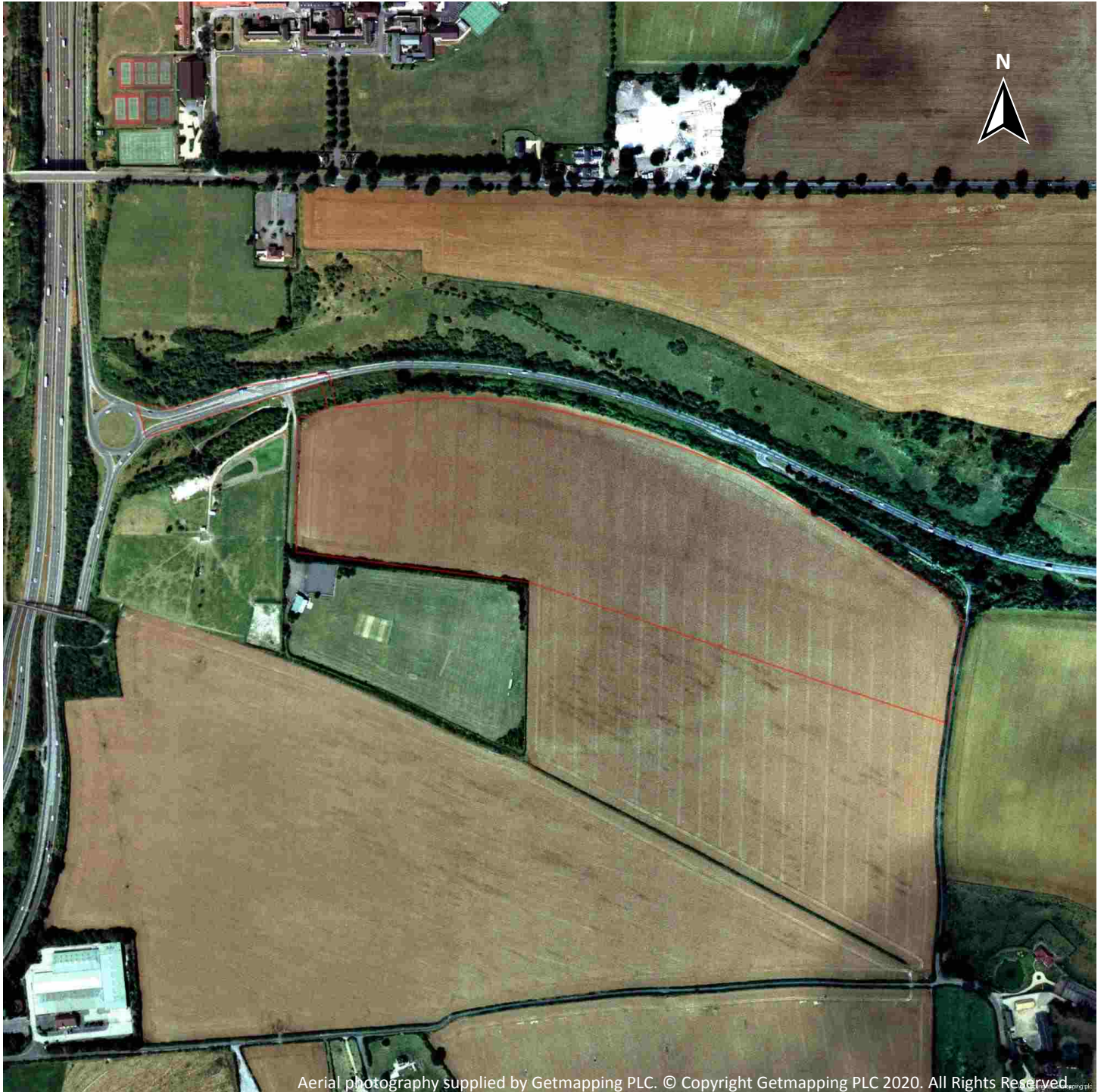


Capture Date: 07/06/2005

Site Area: 14.65ha



Recent site history - 1999 aerial photograph

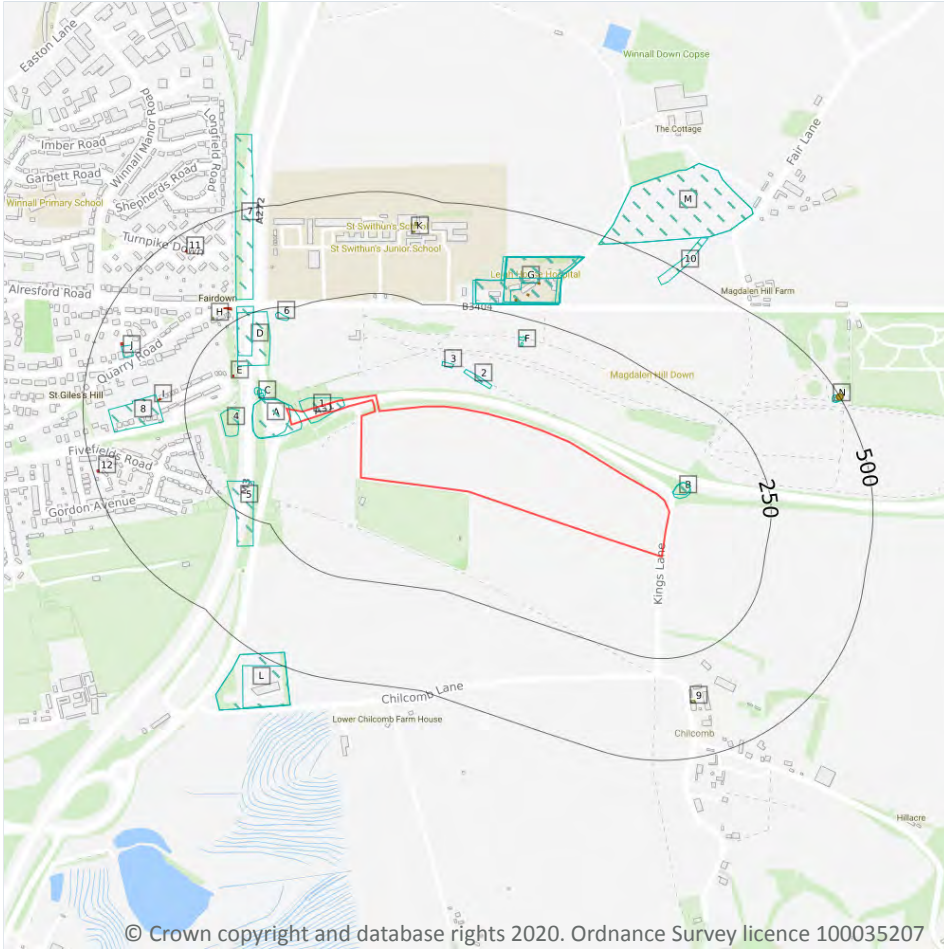


Capture Date: 29/07/1999

Site Area: 14.65ha



1 Past land use



- Site Outline
- Search buffers in metres (m)
- Historical industrial land uses
- Historical tanks
- Historical energy features

1.1 Historical industrial land uses

Records within 500m **36**

Potentially contaminative land use features digitised from historical Ordnance Survey mapping at 1:10,000 and 1:10,560 scale, intelligently grouped into contiguous features. To prevent misrepresentation of the size of historical features at any given time, features are only grouped if they have similar geometries within immediately preceding or succeeding map editions. See section 2 for a breakdown of grouping if required. Grouped and the original un-grouped features can be cross-referenced across sections 1 and 2 using the 'Group ID'.

Features are displayed on the Past land use map on **page 12**

ID	Location	Land use	Dates present	Group ID
1	On site	Unspecified Pit	1957 - 1968	1930246



ID	Location	Land use	Dates present	Group ID
A	On site	Unspecified Pit	1981	1920963
A	On site	Unspecified Pit	1957 - 1968	1921534
B	26m NE	Old Chalk Pit	1895 - 1898	1946418
B	28m NE	Old Chalk Pit	1908	1895710
C	61m NW	Unspecified Pit	1869	1954645
2	61m N	Cuttings	1869	1881908
C	63m NW	Unspecified Pit	1908	1954555
C	72m NW	Unspecified Pit	1898	1902524
3	96m N	Cuttings	1869	1881909
D	116m N	Cuttings	1989	1955052
4	117m W	Unspecified Pit	1957 - 1968	1961726
D	156m NW	Cuttings	1957 - 1981	1897618
5	167m SW	Cuttings	1957 - 1981	1943303
F	182m N	Unspecified Pit	1869	1877111
F	196m N	Unspecified Pits	1869	1862779
6	217m N	Unspecified Pit	1869	1877113
G	258m N	Isolation Hospital	1957	1954832
G	260m N	Infectious Hospital	1908	1875311
G	260m N	Isolation Hospital	1931	1911686
G	260m N	Isolation Hospital	1938	1901048
G	271m N	Isolation Hospital	1968	1897850
G	277m N	Hospital	1895	1933832
G	279m N	Hospital	1898	1963933
7	281m N	Cuttings	1957 - 1981	1904350
8	304m W	Nursery	1957 - 1968	1947044
J	399m W	Water Works	1895 - 1908	1896851
10	447m NE	Unspecified Heap	1968	1869071
L	468m SW	Unspecified Works	1989	1860376



ID	Location	Land use	Dates present	Group ID
L	468m SW	Unspecified Warehouses	1957 - 1968	1917159
M	477m N	Hospital	1908 - 1938	1892053
M	477m N	Hospital	1895	1895327
N	480m NE	Unspecified Tank	1957	1916146
N	486m NE	Unspecified Tank	1931 - 1938	1966062
N	492m NE	Unspecified Tank	1968 - 1988	1898466
L	498m S	Unspecified Warehouses	1981	1961889

This data is sourced from Ordnance Survey / Groundsure.

1.2 Historical tanks

Records within 500m	10
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Tank features digitised from historical Ordnance Survey mapping at high-detail 1:1,250 and 1:2,500 scale, intelligently grouped into contiguous features. To prevent misrepresentation of the size of historical features at any given time, features are only grouped if they have similar geometries within immediately preceding or succeeding map editions. See section 2 for a breakdown of grouping if required. Grouped and the original ungrouped features can be cross-referenced across sections 1 and 2 using the 'Group ID'.

Features are displayed on the Past land use map on **page 12**

ID	Location	Land use	Dates present	Group ID
H	285m NW	Unspecified Tank	1952	319281
G	285m N	Unspecified Tank	1992 - 1994	319058
G	306m N	Unspecified Tank	1992 - 1994	321996
G	340m N	Unspecified Tank	1992 - 1994	321021
9	360m S	Unspecified Tank	1990 - 1994	320475
K	410m N	Unspecified Tank	1962	305445
K	428m N	Unspecified Tank	1992 - 1994	318792
N	491m NE	Unspecified Tank	1994	317756
N	492m NE	Unspecified Tank	1992	325105
N	493m NE	Unspecified Tank	1962	328358

This data is sourced from Ordnance Survey / Groundsure.



1.3 Historical energy features

Records within 500m	11
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Energy features digitised from historical Ordnance Survey mapping at high-detail 1:1,250 and 1:2,500 scale, intelligently grouped into contiguous features. To prevent misrepresentation of the size of historical features at any given time, features are only grouped if they have similar geometries within immediately preceding or succeeding map editions. See section 2 for a breakdown of grouping if required. Grouped and the original ungrouped features can be cross-referenced across sections 1 and 2 using the 'Group ID'.

Features are displayed on the Past land use map on **page 12**

ID	Location	Land use	Dates present	Group ID
E	152m NW	Gas Valve House	1993	194037
E	153m NW	Gas Valve House	1988	192689
E	153m NW	Gas Valve House	1972	193241
E	153m NW	Gas Valve House	1987	192479
H	278m NW	Electricity Substation	1987 - 1993	200009
H	279m NW	Electricity Substation	1972	200477
I	310m W	Electricity Substation	1975	205005
I	311m W	Electricity Substation	1988 - 1990	196295
J	431m W	Electricity Substation	1975 - 1990	195936
11	456m NW	Electricity Substation	1993	188346
12	485m W	Electricity Substation	1975 - 1990	198808

This data is sourced from Ordnance Survey / Groundsure.

1.4 Historical petrol stations

Records within 500m	0
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Petrol stations digitised from historical Ordnance Survey mapping at high-detail 1:1,250 and 1:2,500 scale, intelligently grouped into contiguous features. To prevent misrepresentation of the size of historical features at any given time, features are only grouped if they have similar geometries within immediately preceding or succeeding map editions. See section 2 for a breakdown of grouping if required. Grouped and the original ungrouped features can be cross-referenced across sections 1 and 2 using the 'Group ID'.

This data is sourced from Ordnance Survey / Groundsure.



1.5 Historical garages

Records within 500m

0

Garages digitised from historical Ordnance Survey mapping at high-detail 1:1,250 and 1:2,500 scale, intelligently grouped into contiguous features. To prevent misrepresentation of the size of historical features at any given time, features are only grouped if they have similar geometries within immediately preceding or succeeding map editions. See section 2 for a breakdown of grouping if required. Grouped and the original ungrouped features can be cross-referenced across sections 1 and 2 using the 'Group ID'.

This data is sourced from Ordnance Survey / Groundsure.

1.6 Historical military land

Records within 500m

0

Areas of military land digitised from multiple sources including the National Archives, local records, MOD records and verified other sources, intelligently grouped into contiguous features.

This data is sourced from Ordnance Survey / Groundsure / other sources.



2 Past land use - un-grouped



- Site Outline
- Search buffers in metres (m)
- Historical industrial land uses
- Historical tanks
- Historical energy features

2.1 Historical industrial land uses

Records within 500m **58**

Potentially contaminative land use features digitised from historical Ordnance Survey mapping at 1:10,000 and 10,560 scale. Any records shown are available intelligently grouped in section 1. Grouped and the original un-grouped features can be cross-referenced across sections 1 and 2 using the 'Group ID'.

Features are displayed on the Past land use - un-grouped map on **page 17**

ID	Location	Land Use	Date	Group ID
A	On site	Unspecified Pit	1957	1930246
A	On site	Unspecified Pit	1968	1930246
B	On site	Unspecified Pit	1957	1921534

ID	Location	Land Use	Date	Group ID
B	On site	Unspecified Pit	1981	1920963
B	On site	Unspecified Pit	1968	1921534
C	26m NE	Old Chalk Pit	1895	1946418
C	26m NE	Old Chalk Pit	1898	1946418
C	26m NE	Old Chalk Pit	1898	1946418
C	28m NE	Old Chalk Pit	1908	1895710
D	61m NW	Unspecified Pit	1869	1954645
1	61m N	Cuttings	1869	1881908
D	63m NW	Unspecified Pit	1908	1954555
D	72m NW	Unspecified Pit	1898	1902524
D	72m NW	Unspecified Pit	1898	1902524
2	96m N	Cuttings	1869	1881909
E	116m N	Cuttings	1989	1955052
F	117m W	Unspecified Pit	1957	1961726
F	117m W	Unspecified Pit	1968	1961726
E	156m NW	Cuttings	1957	1897618
E	156m NW	Cuttings	1981	1897618
E	156m NW	Cuttings	1968	1897618
H	167m SW	Cuttings	1957	1943303
H	167m SW	Cuttings	1981	1943303
H	167m SW	Cuttings	1968	1943303
I	182m N	Unspecified Pit	1869	1877111
I	196m N	Unspecified Pits	1869	1862779
3	217m N	Unspecified Pit	1869	1877113
J	258m N	Isolation Hospital	1957	1954832
J	260m N	Isolation Hospital	1931	1911686
J	260m N	Infectious Hospital	1908	1875311
J	260m N	Isolation Hospital	1938	1901048



ID	Location	Land Use	Date	Group ID
J	271m N	Isolation Hospital	1968	1897850
J	277m N	Hospital	1895	1933832
J	279m N	Hospital	1898	1963933
J	279m N	Hospital	1898	1963933
L	281m N	Cuttings	1957	1904350
L	281m N	Cuttings	1981	1904350
L	281m N	Cuttings	1968	1904350
M	304m W	Nursery	1957	1947044
M	304m W	Nursery	1968	1947044
P	399m W	Water Works	1908	1896851
P	399m W	Water Works	1895	1896851
P	400m W	Water Works	1898	1896851
P	400m W	Water Works	1898	1896851
4	447m NE	Unspecified Heap	1968	1869071
R	468m SW	Unspecified Works	1989	1860376
R	468m SW	Unspecified Warehouses	1957	1917159
R	468m SW	Unspecified Warehouses	1968	1917159
S	477m N	Hospital	1938	1892053
S	477m N	Hospital	1931	1892053
S	477m N	Hospital	1908	1892053
S	477m N	Hospital	1895	1895327
T	480m NE	Unspecified Tank	1957	1916146
T	486m NE	Unspecified Tank	1931	1966062
T	487m NE	Unspecified Tank	1938	1966062
T	492m NE	Unspecified Tank	1968	1898466
T	492m NE	Unspecified Tank	1988	1898466
R	498m S	Unspecified Warehouses	1981	1961889

This data is sourced from Ordnance Survey / Groundsure.



2.2 Historical tanks

Records within 500m

16

Tank features digitised from historical Ordnance Survey mapping at high-detail 1:1,250 and 1:2,500 scale. Any records shown are available intelligently grouped in section 1. Grouped and the original un-grouped features can be cross-referenced across sections 1 and 2 using the 'Group ID'.

Features are displayed on the Past land use - un-grouped map on **page 17**

ID	Location	Land Use	Date	Group ID
K	285m NW	Unspecified Tank	1952	319281
J	285m N	Unspecified Tank	1994	319058
K	285m NW	Unspecified Tank	1952	319281
J	285m N	Unspecified Tank	1992	319058
J	306m N	Unspecified Tank	1994	321996
J	306m N	Unspecified Tank	1992	321996
J	340m N	Unspecified Tank	1992	321021
J	340m N	Unspecified Tank	1994	321021
O	360m S	Unspecified Tank	1990	320475
O	363m S	Unspecified Tank	1994	320475
Q	410m N	Unspecified Tank	1962	305445
Q	428m N	Unspecified Tank	1992	318792
Q	428m N	Unspecified Tank	1994	318792
T	491m NE	Unspecified Tank	1994	317756
T	492m NE	Unspecified Tank	1992	325105
T	493m NE	Unspecified Tank	1962	328358

This data is sourced from Ordnance Survey / Groundsure.

2.3 Historical energy features

Records within 500m

24

Energy features digitised from historical Ordnance Survey mapping at high-detail 1:1,250 and 1:2,500 scale. Any records shown are available intelligently grouped in section 1. Grouped and the original un-grouped features can be cross-referenced across sections 1 and 2 using the 'Group ID'.



Features are displayed on the Past land use - un-grouped map on **page 17**

ID	Location	Land Use	Date	Group ID
G	152m NW	Gas Valve House	1993	194037
G	153m NW	Gas Valve House	1972	193241
G	153m NW	Gas Valve House	1988	192689
G	153m NW	Gas Valve House	1987	192479
K	278m NW	Electricity Substation	1993	200009
K	279m NW	Electricity Substation	1972	200477
K	279m NW	Electricity Substation	1988	200009
K	279m NW	Electricity Substation	1987	200009
N	310m W	Electricity Substation	1975	205005
N	311m W	Electricity Substation	1988	196295
N	311m W	Electricity Substation	1990	196295
N	311m W	Electricity Substation	1990	196295
N	311m W	Electricity Substation	1990	196295
P	431m W	Electricity Substation	1975	195936
P	432m W	Electricity Substation	1988	195936
P	432m W	Electricity Substation	1990	195936
P	432m W	Electricity Substation	1990	195936
P	432m W	Electricity Substation	1990	195936
5	456m NW	Electricity Substation	1993	188346
U	485m W	Electricity Substation	1975	198808
U	486m W	Electricity Substation	1988	198808
U	486m W	Electricity Substation	1990	198808
U	486m W	Electricity Substation	1990	198808
U	486m W	Electricity Substation	1990	198808

This data is sourced from Ordnance Survey / Groundsure.



2.4 Historical petrol stations

Records within 500m

0

Petrol stations digitised from historical Ordnance Survey mapping at high-detail 1:1,250 and 1:2,500 scale. Any records shown are available intelligently grouped in section 1. Grouped and the original un-grouped features can be cross-referenced across sections 1 and 2 using the 'Group ID'.

This data is sourced from Ordnance Survey / Groundsure.

2.5 Historical garages

Records within 500m

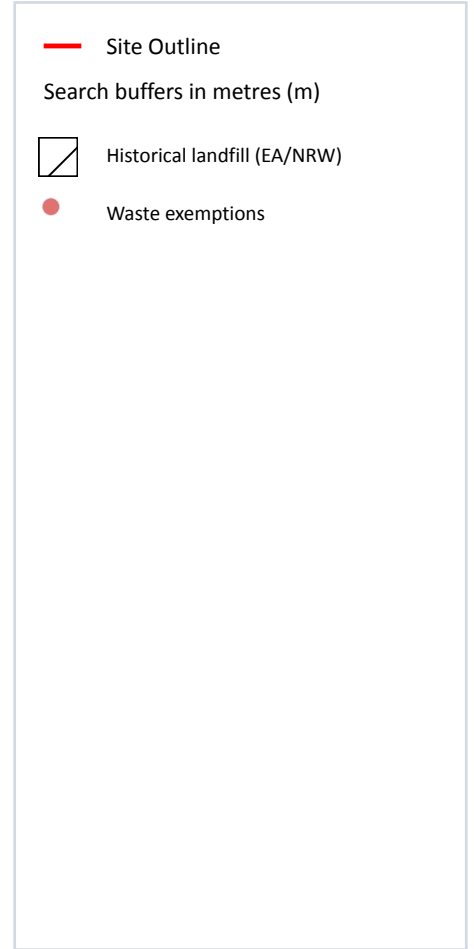
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Garages digitised from historical Ordnance Survey mapping at high-detail 1:1,250 and 1:2,500 scale. Any records shown are available intelligently grouped in section 1. Grouped and the original un-grouped features can be cross-referenced across sections 1 and 2 using the 'Group ID'.

This data is sourced from Ordnance Survey / Groundsure.



3 Waste and landfill



3.1 Active or recent landfill

Records within 500m

0

Active or recently closed landfill sites under Environment Agency/Natural Resources Wales regulation.

This data is sourced from the Environment Agency and Natural Resources Wales.

3.2 Historical landfill (BGS records)

Records within 500m

0

Landfill sites identified on a survey carried out on behalf of the DoE in 1973. These sites may have been closed or operational at this time.

This data is sourced from the British Geological Survey.

3.3 Historical landfill (LA/mapping records)

Records within 500m

0

Landfill sites identified from Local Authority records and high detail historical mapping.

This data is sourced from the Ordnance Survey/Groundsure and Local Authority records.

3.4 Historical landfill (EA/NRW records)

Records within 500m

1

Known historical (closed) landfill sites (e.g. sites where there is no PPC permit or waste management licence currently in force). This includes sites that existed before the waste licensing regime and sites that have been licensed in the past but where a licence has been revoked, ceased to exist or surrendered and a certificate of completion has been issued.

Features are displayed on the Waste and landfill map on **page 23**

ID	Location	Details		
3	418m SW	Site Address: King George V Playing Fields, Winchester Licence Holder Address: -	Waste Licence: - Site Reference: - Waste Type: - Environmental Permitting Regulations (Waste) Reference: - Licence Issue: - Licence Surrender: -	Operator: - Licence Holder: - First Recorded: - Last Recorded: -

This data is sourced from the Environment Agency and Natural Resources Wales.

3.5 Historical waste sites

Records within 500m

0

Waste site records derived from Local Authority planning records and high detail historical mapping.

This data is sourced from Ordnance Survey/Groundsure and Local Authority records.

3.6 Licensed waste sites

Records within 500m

0

Active or recently closed waste sites under Environment Agency/Natural Resources Wales regulation.

This data is sourced from the Environment Agency and Natural Resources Wales.



3.7 Waste exemptions

Records within 500m

42

Activities involving the storage, treatment, use or disposal of waste that are exempt from needing a permit. Exemptions have specific limits and conditions that must be adhered to.

Features are displayed on the Waste and landfill map on **page 23**

ID	Location	Site	Reference	Category	Sub-Category	Description
A	280m S	THE GRANGE, CHILCOMB, WINCHESTER, SO21 1HR	WEX229447	Using waste exemption	On a farm	Burning of waste as a fuel in a small appliance
A	280m S	THE GRANGE, CHILCOMB, WINCHESTER, SO21 1HR	WEX229447	Using waste exemption	On a farm	Spreading waste on agricultural land to confer benefit
A	280m S	THE GRANGE, CHILCOMB, WINCHESTER, SO21 1HR	WEX229447	Using waste exemption	On a farm	Spreading waste on non-agricultural land to confer benefit
A	280m S	THE GRANGE, CHILCOMB, WINCHESTER, SO21 1HR	WEX229447	Using waste exemption	On a farm	Spreading of plant matter to confer benefit
A	280m S	THE GRANGE, CHILCOMB, WINCHESTER, SO21 1HR	WEX229447	Using waste exemption	On a farm	Use of depolluted end-of-life vehicles for vehicle parts
A	280m S	THE GRANGE, CHILCOMB, WINCHESTER, SO21 1HR	WEX229447	Treating waste exemption	On a farm	Preparatory treatments (baling, sorting, shredding etc)
A	280m S	THE GRANGE, CHILCOMB, WINCHESTER, SO21 1HR	WEX229447	Treating waste exemption	On a farm	Treatment of waste wood and waste plant matter by chipping, shredding, cutting or pulverising
A	280m S	THE GRANGE, CHILCOMB, WINCHESTER, SO21 1HR	WEX229447	Disposing of waste exemption	On a farm	Burning waste in the open
A	280m S	THE GRANGE, CHILCOMB, WINCHESTER, SO21 1HR	WEX229447	Storing waste exemption	On a farm	Storage of waste in a secure place
A	280m S	THE GRANGE, CHILCOMB, WINCHESTER, SO21 1HR	WEX085677	Disposing of waste exemption	On a farm	Burning waste in the open
A	280m S	THE GRANGE, CHILCOMB, WINCHESTER, SO21 1HR	WEX085677	Storing waste exemption	On a farm	Storage of waste in a secure place
A	280m S	THE GRANGE, CHILCOMB, WINCHESTER, SO21 1HR	WEX085677	Treating waste exemption	On a farm	Preparatory treatments (baling, sorting, shredding etc)



ID	Location	Site	Reference	Category	Sub-Category	Description
A	280m S	THE GRANGE, CHILCOMB, WINCHESTER, SO21 1HR	WEX085677	Treating waste exemption	On a farm	Treatment of waste wood and waste plant matter by chipping, shredding, cutting or pulverising
A	280m S	THE GRANGE, CHILCOMB, WINCHESTER, SO21 1HR	WEX085677	Using waste exemption	On a farm	Spreading waste on agricultural land to confer benefit
A	280m S	THE GRANGE, CHILCOMB, WINCHESTER, SO21 1HR	WEX085677	Using waste exemption	On a farm	Spreading waste on non-agricultural land to confer benefit
A	280m S	THE GRANGE, CHILCOMB, WINCHESTER, SO21 1HR	WEX085677	Using waste exemption	On a farm	Spreading of plant matter to confer benefit
A	280m S	THE GRANGE, CHILCOMB, WINCHESTER, SO21 1HR	WEX085677	Using waste exemption	On a farm	Use of depolluted end-of-life vehicles for vehicle parts
A	280m S	THE GRANGE, CHILCOMB, WINCHESTER, SO21 1HR	WEX085677	Using waste exemption	On a farm	Burning of waste as a fuel in a small appliance
B	327m N	Leigh House Hospital, ALRESFORD ROAD, WINCHESTER, SO21 1HD	WEX120846	Treating waste exemption	Not on a farm	Sorting and de-naturing of controlled drugs for disposal
B	329m N	Leigh House Hospital Alresford Road WINCHESTER Hampshire SO21 1HD	EPR/HF0105UY/A001	Treating waste exemption	Non-Agricultural Waste Only	Sorting and de-naturing of controlled drugs for disposal
C	392m SE	Manor Farm WINCHESTER Hampshire SO21 1HR	EPR/ZF0931EH/A001	Disposing of waste exemption	Agricultural Waste Only	Burning waste in the open
C	392m SE	Manor Farm WINCHESTER Hampshire SO21 1HR	EPR/ZF0931EH/A001	Storing waste exemption	Agricultural Waste Only	Storage of waste in secure containers
C	392m SE	Manor Farm WINCHESTER Hampshire SO21 1HR	EPR/ZF0931EH/A001	Storing waste exemption	Agricultural Waste Only	Storage of waste in a secure place
C	392m SE	Manor Farm WINCHESTER Hampshire SO21 1HR	EPR/ZF0931EH/A001	Treating waste exemption	Agricultural Waste Only	Cleaning, washing, spraying or coating relevant waste
C	392m SE	Manor Farm WINCHESTER Hampshire SO21 1HR	EPR/ZF0931EH/A001	Treating waste exemption	Agricultural Waste Only	Treatment of waste wood and waste plant matter by chipping, shredding, cutting or pulverising
C	392m SE	Manor Farm WINCHESTER Hampshire SO21 1HR	EPR/ZF0931EH/A001	Using waste exemption	Agricultural Waste Only	Use of waste in construction



ID	Location	Site	Reference	Category	Sub-Category	Description
C	392m SE	Manor Farm WINCHESTER Hampshire SO21 1HR	EPR/ZF0931EH /A001	Using waste exemption	Agricultural Waste Only	Spreading waste on agricultural land to confer benefit
C	392m SE	Manor Farm WINCHESTER Hampshire SO21 1HR	EPR/ZF0931EH /A001	Using waste exemption	Agricultural Waste Only	Spreading of plant matter to confer benefit
C	392m SE	Manor Farm WINCHESTER Hampshire SO21 1HR	EPR/ZF0931EH /A001	Using waste exemption	Agricultural Waste Only	Burning of waste as a fuel in a small appliance
1	399m N	WINNALL DOWN FARM, OFF THE A272 , WINCHESTER, SO21 1HA	WEX083762	Using waste exemption	On a farm	Use of waste in construction
2	414m SW	Compound to East of Pavilions on King George V Playing Field BAR END ROAD WINCHESTER HAMPSHIRE SO23 9NT	EPR/NF0330Y M/A001	Treating waste exemption	Both agricultural and non-agricultural waste	Aerobic composting and associated prior treatment
D	421m NE	-	WEX222385	Disposing of waste exemption	On a farm	Deposit of agricultural waste consisting of plant tissue under a Plant Health notice
D	421m NE	-	WEX222385	Treating waste exemption	On a farm	Aerobic composting and associated prior treatment
D	421m NE	-	WEX222385	Disposing of waste exemption	On a farm	Burning waste in the open
D	421m NE	-	WEX222385	Treating waste exemption	On a farm	Treatment of waste wood and waste plant matter by chipping, shredding, cutting or pulverising
D	421m NE	-	WEX077101	Disposing of waste exemption	On a farm	Deposit of agricultural waste consisting of plant tissue under a Plant Health notice
D	421m NE	-	WEX077101	Disposing of waste exemption	On a farm	Burning waste in the open
D	421m NE	-	WEX077101	Treating waste exemption	On a farm	Aerobic composting and associated prior treatment
D	421m NE	-	WEX077101	Treating waste exemption	On a farm	Treatment of waste wood and waste plant matter by chipping, shredding, cutting or pulverising



ID	Location	Site	Reference	Category	Sub-Category	Description
D	421m NE	Land at grid ref. SU 50832 29327	EPR/YE5386H A/A001	Disposing of waste exemption	Agricultural Waste Only	Deposit of agricultural waste consisting of plant tissue under a Plant Health notice
D	421m NE	Land at grid ref. SU 50832 29327	EPR/YE5386H A/A001	Disposing of waste exemption	Agricultural Waste Only	Burning waste in the open
D	421m NE	Land at grid ref. SU 50832 29327	EPR/YE5386H A/A001	Treating waste exemption	Agricultural Waste Only	Aerobic composting and associated prior treatment

This data is sourced from the Environment Agency and Natural Resources Wales.



4 Current industrial land use



- Site Outline
- Search buffers in metres (m)
- Recent industrial land uses
- Control of Major Accident Hazards
- Licensed Discharges to controlled waters
- Pollution Incidents (EA/NRW)

4.1 Recent industrial land uses

Records within 250m **2**

Current potentially contaminative industrial sites.

Features are displayed on the Current industrial land use map on **page 29**

ID	Location	Company	Address	Activity	Category
1	65m S	Water Tower	Hampshire, SO21	Water Pumping Stations	Industrial Features
2	138m W	Gas Governor	Hampshire, SO23	Gas Features	Infrastructure and Facilities

This data is sourced from Ordnance Survey.

4.2 Current or recent petrol stations

Records within 500m **0**

Open, closed, under development and obsolete petrol stations.

This data is sourced from Experian.

4.3 Electricity cables

Records within 500m **0**

High voltage underground electricity transmission cables.

This data is sourced from National Grid.

4.4 Gas pipelines

Records within 500m **0**

High pressure underground gas transmission pipelines.

This data is sourced from National Grid.

4.5 Sites determined as Contaminated Land

Records within 500m **0**

Contaminated Land Register of sites designated under Part 2a of the Environmental Protection Act 1990.

This data is sourced from Local Authority records.

4.6 Control of Major Accident Hazards (COMAH)

Records within 500m **1**

Control of Major Accident Hazards (COMAH) sites. This data includes upper and lower tier sites, and includes a historical archive of COMAH sites and Notification of Installations Handling Hazardous Substances (NIHHS) records.

Features are displayed on the Current industrial land use map on **page 29**

ID	Location	Company	Address	Operational status	Tier
3	158m W	Kingdons Calor Centre	Kingdons Calor Centre, Unit 5, Easton Lane, Winnall, Winchester	Historical NIHHS Site	-

This data is sourced from the Health and Safety Executive.

4.7 Regulated explosive sites

Records within 500m

0

Sites registered and licensed by the Health and Safety Executive under the Manufacture and Storage of Explosives Regulations 2005 (MSER). The last update to this data was in April 2011.

This data is sourced from the Health and Safety Executive.

4.8 Hazardous substance storage/usage

Records within 500m

0

Consents granted for a site to hold certain quantities of hazardous substances at or above defined limits in accordance with the Planning (Hazardous Substances) Regulations 2015.

This data is sourced from Local Authority records.

4.9 Historical licensed industrial activities (IPC)

Records within 500m

0

Integrated Pollution Control (IPC) records of substance releases to air, land and water. This data represents a historical archive as the IPC regime has been superseded.

This data is sourced from the Environment Agency and Natural Resources Wales.

4.10 Licensed industrial activities (Part A(1))

Records within 500m

0

Records of Part A(1) installations regulated under the Environmental Permitting (England and Wales) Regulations 2016 for the release of substances to the environment.

This data is sourced from the Environment Agency and Natural Resources Wales.

4.11 Licensed pollutant release (Part A(2)/B)

Records within 500m

0

Records of Part A(2) and Part B installations regulated under the Environmental Permitting (England and Wales) Regulations 2016 for the release of substances to the environment.

This data is sourced from Local Authority records.



4.12 Radioactive Substance Authorisations

Records within 500m

0

Records of the storage, use, accumulation and disposal of radioactive substances regulated under the Radioactive Substances Act 1993.

This data is sourced from the Environment Agency and Natural Resources Wales.

4.13 Licensed Discharges to controlled waters

Records within 500m

6

Discharges of treated or untreated effluent to controlled waters under the Water Resources Act 1991.

Features are displayed on the Current industrial land use map on **page 29**

ID	Location	Address	Details	
4	260m NW	56 QUARRY ROAD, WINCHESTER	Effluent Type: SEWAGE DISCHARGES - FINAL/TREATED EFFLUENT - NOT WATER COMPANY Permit Number: P04214 Permit Version: 1 Receiving Water: INTO LAND	Status: LAPSED UNDER SCHEDULE 23 ENVIRONMENT ACT 1995 Issue date: 29/04/1992 Effective Date: 29/04/1992 Revocation Date: 31/03/1997
5	266m S	LAND AT MANOR FARM, KINGS LANE, CHILCOMB, HAMPSHIRE	Effluent Type: SEWAGE DISCHARGES - FINAL/TREATED EFFLUENT - NOT WATER COMPANY Permit Number: P03492 Permit Version: 1 Receiving Water: INTO LAND	Status: LAPSED UNDER SCHEDULE 23 ENVIRONMENT ACT 1995 Issue date: 01/05/1991 Effective Date: 01/05/1991 Revocation Date: 31/03/1997
A	372m W	BELVEDERE LODGE, 42 QUARRY ROAD, WINCHESTER, HAMPSHIRE, SO23 0JS	Effluent Type: SEWAGE DISCHARGES - FINAL/TREATED EFFLUENT - NOT WATER COMPANY Permit Number: P03003 Permit Version: 1 Receiving Water: INTO LAND	Status: POST NRA LEGISLATION WHERE ISSUE DATE > 31-AUG-89 (HISTORIC ONLY) Issue date: 22/08/1990 Effective Date: 22/08/1990 Revocation Date: 20/12/2012
A	372m W	BELVEDERE LODGE, 42 QUARRY ROAD, WINCHESTER, HAMPSHIRE, SO23 0JS	Effluent Type: SEWAGE DISCHARGES - FINAL/TREATED EFFLUENT - NOT WATER COMPANY Permit Number: P03003 Permit Version: 2 Receiving Water: INTO LAND	Status: VARIED UNDER EPR 2010 Issue date: 21/12/2012 Effective Date: 21/12/2012 Revocation Date: -
B	449m W	28 QUARRY ROAD, WINCHESTER, 28 QUARRY ROAD	Effluent Type: SEWAGE DISCHARGES - FINAL/TREATED EFFLUENT - NOT WATER COMPANY Permit Number: P01382 Permit Version: 1 Receiving Water: INTO LAND	Status: LAPSED UNDER SCHEDULE 23 ENVIRONMENT ACT 1995 Issue date: 17/01/1990 Effective Date: 17/01/1990 Revocation Date: 31/03/1997



ID	Location	Address	Details	
B	470m W	W.E.FINNIGAN ESQ., HILLCREST, PETERSFIELD ROAD, WINCHESTER HAMPSHIRE	Effluent Type: SEWAGE DISCHARGES - FINAL/TREATED EFFLUENT - NOT WATER COMPANY Permit Number: P00706 Permit Version: 1 Receiving Water: INTO LAND	Status: LAPSED UNDER SCHEDULE 23 ENVIRONMENT ACT 1995 Issue date: 15/10/1986 Effective Date: 15/10/1986 Revocation Date: 31/03/1997

This data is sourced from the Environment Agency and Natural Resources Wales.

4.14 Pollutant release to surface waters (Red List)

Records within 500m

0

Discharges of specified substances under the Environmental Protection (Prescribed Processes and Substances) Regulations 1991.

This data is sourced from the Environment Agency and Natural Resources Wales.

4.15 Pollutant release to public sewer

Records within 500m

0

Discharges of Special Category Effluents to the public sewer.

This data is sourced from the Environment Agency and Natural Resources Wales.

4.16 List 1 Dangerous Substances

Records within 500m

0

Discharges of substances identified on List I of European Directive E 2006/11/EC, and regulated under the Environmental Damage (Prevention and Remediation) Regulations 2015.

This data is sourced from the Environment Agency and Natural Resources Wales.

4.17 List 2 Dangerous Substances

Records within 500m

0

Discharges of substances identified on List II of European Directive E 2006/11/EC, and regulated under the Environmental Damage (Prevention and Remediation) Regulations 2015.

This data is sourced from the Environment Agency and Natural Resources Wales.



4.18 Pollution Incidents (EA/NRW)

Records within 500m

1

Records of substantiated pollution incidents. Since 2006 this data has only included category 1 (major) and 2 (significant) pollution incidents.

Features are displayed on the Current industrial land use map on **page 29**

ID	Location	Details	
6	421m N	Incident Date: 19/10/2001 Incident Identification: 37713 Pollutant: Specific Waste Materials Pollutant Description: Asbestos	Water Impact: Category 4 (No Impact) Land Impact: Category 3 (Minor) Air Impact: Category 3 (Minor)

This data is sourced from the Environment Agency and Natural Resources Wales.

4.19 Pollution inventory substances

Records within 500m

0

The pollution inventory (substances) includes reporting on annual emissions of certain regulated substances to air, controlled waters and land. A reporting threshold for each substance is also included. Where emissions fall below the reporting threshold, no value will be given. The data is given for the most recent complete year available.

This data is sourced from the Environment Agency and the Scottish Environment Protection Agency.

4.20 Pollution inventory waste transfers

Records within 500m

0

The pollution inventory (waste transfers) includes reporting on annual transfers and recovery/disposal of controlled wastes from a site. A reporting threshold for each waste type is also included. Where releases fall below the reporting threshold, no value will be given. The data is given for the most recent complete year available.

This data is sourced from the Environment Agency and the Scottish Environment Protection Agency.

4.21 Pollution inventory radioactive waste

Records within 500m

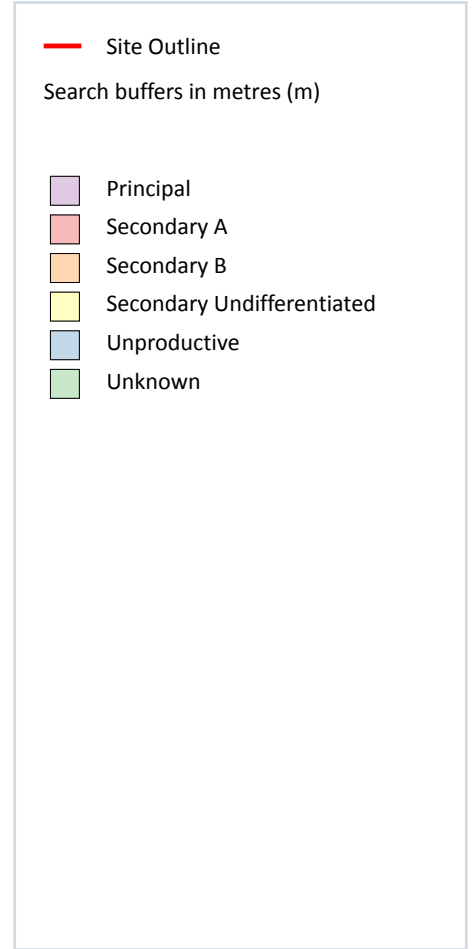
0

The pollution inventory (radioactive wastes) includes reporting on annual releases of radioactive substances from a site, including the means of release. Where releases fall below the reporting threshold, no value will be given. The data is given for the most recent complete year available.

This data is sourced from the Environment Agency and the Scottish Environment Protection Agency.



5 Hydrogeology - Superficial aquifer



5.1 Superficial aquifer

Records within 500m

3

Aquifer status of groundwater held within superficial geology.

Features are displayed on the Hydrogeology map on **page 35**

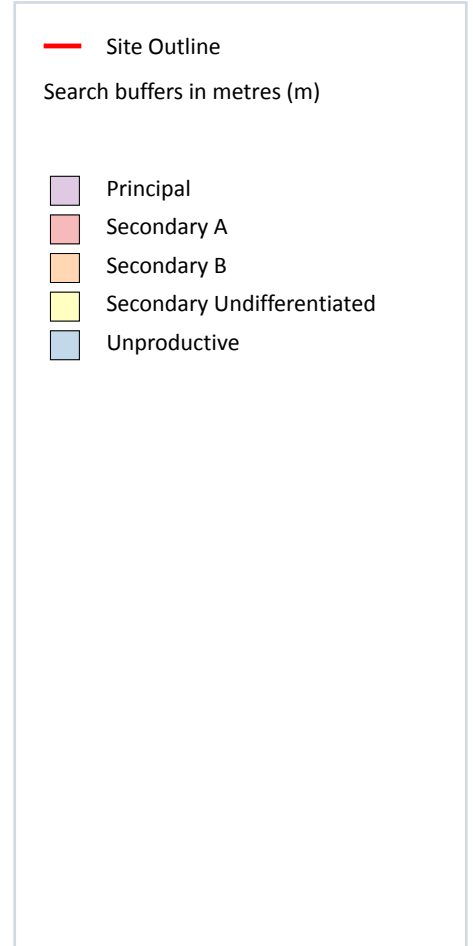
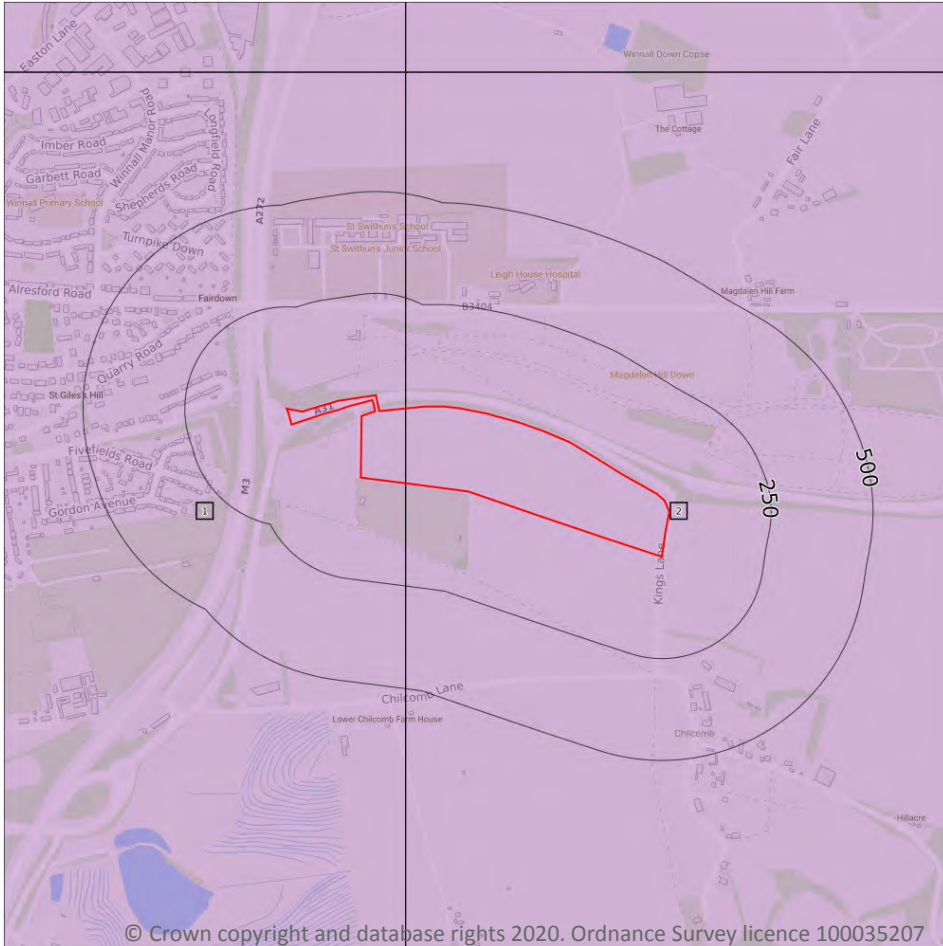
ID	Location	Designation	Description
1	On site	Secondary Undifferentiated	Assigned where it is not possible to attribute either category A or B to a rock type. In general these layers have previously been designated as both minor and non-aquifer in different locations due to the variable characteristics of the rock type
2	On site	Secondary Undifferentiated	Assigned where it is not possible to attribute either category A or B to a rock type. In general these layers have previously been designated as both minor and non-aquifer in different locations due to the variable characteristics of the rock type

ID	Location	Designation	Description
3	434m S	Secondary Undifferentiated	Assigned where it is not possible to attribute either category A or B to a rock type. In general these layers have previously been designated as both minor and non-aquifer in different locations due to the variable characteristics of the rock type

This data is sourced from the British Geological Survey, the Environment Agency and Natural Resources Wales.



Bedrock aquifer



5.2 Bedrock aquifer

Records within 500m

2

Aquifer status of groundwater held within bedrock geology.

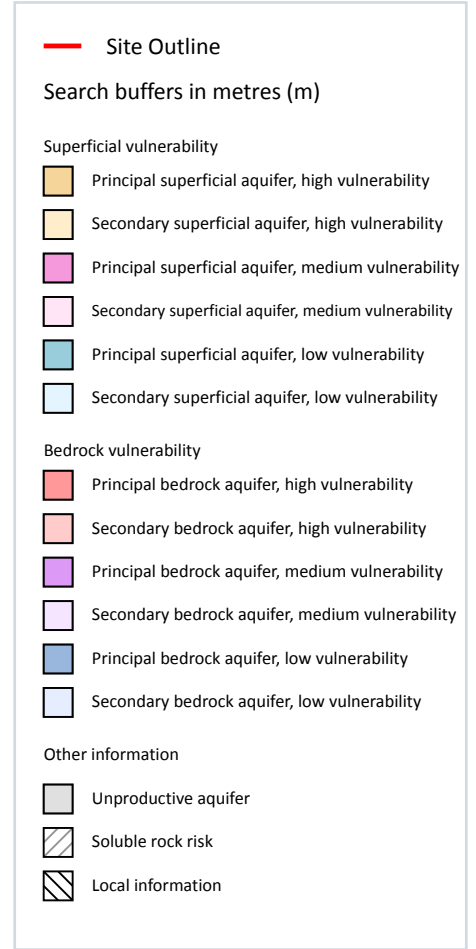
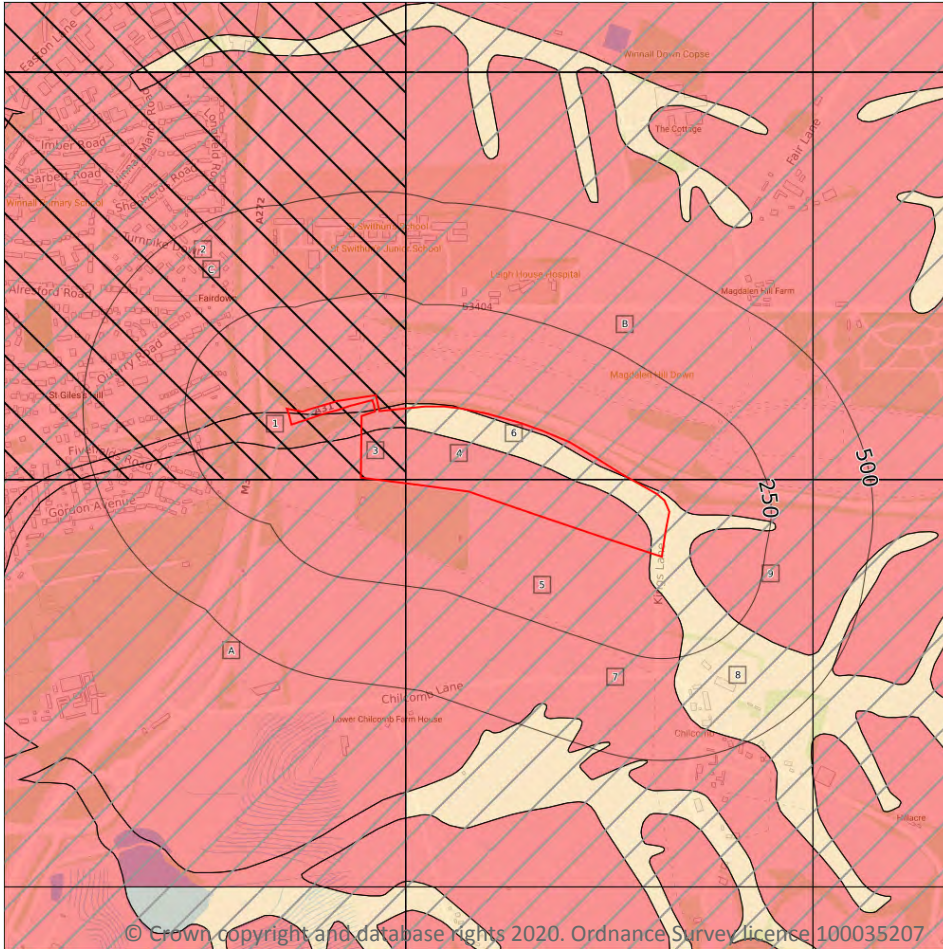
Features are displayed on the Bedrock aquifer map on **page 37**

ID	Location	Designation	Description
1	On site	Principal	Geology of high intergranular and/or fracture permeability, usually providing a high level of water storage and may support water supply/river base flow on a strategic scale. Generally principal aquifers were previously major aquifers
2	On site	Principal	Geology of high intergranular and/or fracture permeability, usually providing a high level of water storage and may support water supply/river base flow on a strategic scale. Generally principal aquifers were previously major aquifers

This data is sourced from the British Geological Survey, the Environment Agency and Natural Resources Wales.



Groundwater vulnerability



5.3 Groundwater vulnerability

Records within 50m

10

An assessment of the vulnerability of groundwater to a pollutant discharged at ground level based on the hydrological, geological, hydrogeological and soil properties within a one kilometre square grid. Groundwater vulnerability is described as High, Medium or Low as follows:

- High - Areas able to easily transmit pollution to groundwater. They are likely to be characterised by high leaching soils and the absence of low permeability superficial deposits.
- Medium - Intermediate between high and low vulnerability.
- Low - Areas that provide the greatest protection from pollution. They are likely to be characterised by low leaching soils and/or the presence of superficial deposits characterised by a low permeability.

Features are displayed on the Groundwater vulnerability map on **page 39**

ID	Location	Summary	Soil / surface	Superficial geology	Bedrock geology
1	On site	Summary Classification: Principal bedrock aquifer - High Vulnerability Combined classification: Productive Bedrock Aquifer, Productive Superficial Aquifer	Leaching class: Intermediate Infiltration value: >70% Dilution value: 300- 550mm/year	Vulnerability: Medium Aquifer type: Secondary Thickness: <3m Patchiness value: <90% Recharge potential: No Data	Vulnerability: High Aquifer type: Principal Flow mechanism: Well connected fractures
2	On site	Summary Classification: Principal bedrock aquifer - High Vulnerability Combined classification: Productive Bedrock Aquifer, No Superficial Aquifer	Leaching class: Intermediate Infiltration value: >70% Dilution value: 300- 550mm/year	Vulnerability: - Aquifer type: - Thickness: <3m Patchiness value: <90% Recharge potential: No Data	Vulnerability: High Aquifer type: Principal Flow mechanism: Well connected fractures
3	On site	Summary Classification: Principal bedrock aquifer - High Vulnerability Combined classification: Productive Bedrock Aquifer, No Superficial Aquifer	Leaching class: Intermediate Infiltration value: >70% Dilution value: 300- 550mm/year	Vulnerability: - Aquifer type: - Thickness: <3m Patchiness value: <90% Recharge potential: No Data	Vulnerability: High Aquifer type: Principal Flow mechanism: Well connected fractures
4	On site	Summary Classification: Principal bedrock aquifer - High Vulnerability Combined classification: Productive Bedrock Aquifer, No Superficial Aquifer	Leaching class: High Infiltration value: >70% Dilution value: 300- 550mm/year	Vulnerability: - Aquifer type: - Thickness: <3m Patchiness value: <90% Recharge potential: No Data	Vulnerability: High Aquifer type: Principal Flow mechanism: Well connected fractures
5	On site	Summary Classification: Principal bedrock aquifer - High Vulnerability Combined classification: Productive Bedrock Aquifer, No Superficial Aquifer	Leaching class: High Infiltration value: >70% Dilution value: 300- 550mm/year	Vulnerability: - Aquifer type: - Thickness: <3m Patchiness value: <90% Recharge potential: No Data	Vulnerability: High Aquifer type: Principal Flow mechanism: Well connected fractures
6	On site	Summary Classification: Secondary superficial aquifer - High Vulnerability Combined classification: Productive Bedrock Aquifer, Productive Superficial Aquifer	Leaching class: High Infiltration value: >70% Dilution value: 300- 550mm/year	Vulnerability: High Aquifer type: Secondary Thickness: <3m Patchiness value: <90% Recharge potential: No Data	Vulnerability: High Aquifer type: Principal Flow mechanism: Well connected fractures
8	On site	Summary Classification: Secondary superficial aquifer - High Vulnerability Combined classification: Productive Bedrock Aquifer, Productive Superficial Aquifer	Leaching class: High Infiltration value: >70% Dilution value: 300- 550mm/year	Vulnerability: High Aquifer type: Secondary Thickness: <3m Patchiness value: <90% Recharge potential: No Data	Vulnerability: High Aquifer type: Principal Flow mechanism: Well connected fractures



ID	Location	Summary	Soil / surface	Superficial geology	Bedrock geology
A	On site	Summary Classification: Principal bedrock aquifer - High Vulnerability Combined classification: Productive Bedrock Aquifer, No Superficial Aquifer	Leaching class: Intermediate Infiltration value: >70% Dilution value: 300- 550mm/year	Vulnerability: - Aquifer type: - Thickness: <3m Patchiness value: <90% Recharge potential: No Data	Vulnerability: High Aquifer type: Principal Flow mechanism: Well connected fractures
B	On site	Summary Classification: Principal bedrock aquifer - High Vulnerability Combined classification: Productive Bedrock Aquifer, No Superficial Aquifer	Leaching class: High Infiltration value: >70% Dilution value: 300- 550mm/year	Vulnerability: - Aquifer type: - Thickness: <3m Patchiness value: <90% Recharge potential: No Data	Vulnerability: High Aquifer type: Principal Flow mechanism: Well connected fractures
9	On site	Summary Classification: Principal bedrock aquifer - High Vulnerability Combined classification: Productive Bedrock Aquifer, No Superficial Aquifer	Leaching class: High Infiltration value: >70% Dilution value: 300- 550mm/year	Vulnerability: - Aquifer type: - Thickness: <3m Patchiness value: <90% Recharge potential: No Data	Vulnerability: High Aquifer type: Principal Flow mechanism: Well connected fractures

This data is sourced from the British Geological Survey, the Environment Agency and Natural Resources Wales.

5.4 Groundwater vulnerability- soluble rock risk

Records on site	4
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This dataset identifies areas where solution features that enable rapid movement of a pollutant may be present within a 1km grid square.

ID	Maximum soluble risk category	Percentage of grid square covered by maximum risk
7	Significant soluble rocks are likely to be present. Problems unlikely except with considerable surface or subsurface water flow.	39.0%
A	Significant soluble rocks are likely to be present. Problems unlikely except with considerable surface or subsurface water flow.	28.999999999999996%
B	Significant soluble rocks are likely to be present. Low possibility of localised subsidence or dissolution-related degradation of bedrock occurring naturally, but may be possible in adverse conditions such as high surface or subsurface water flow.	7.000000000000001%
C	Significant soluble rocks are likely to be present. Low possibility of localised subsidence or dissolution-related degradation of bedrock occurring naturally, but may be possible in adverse conditions such as high surface or subsurface water flow.	0.0%

This data is sourced from the British Geological Survey and the Environment Agency.



5.5 Groundwater vulnerability- local information

Records on site

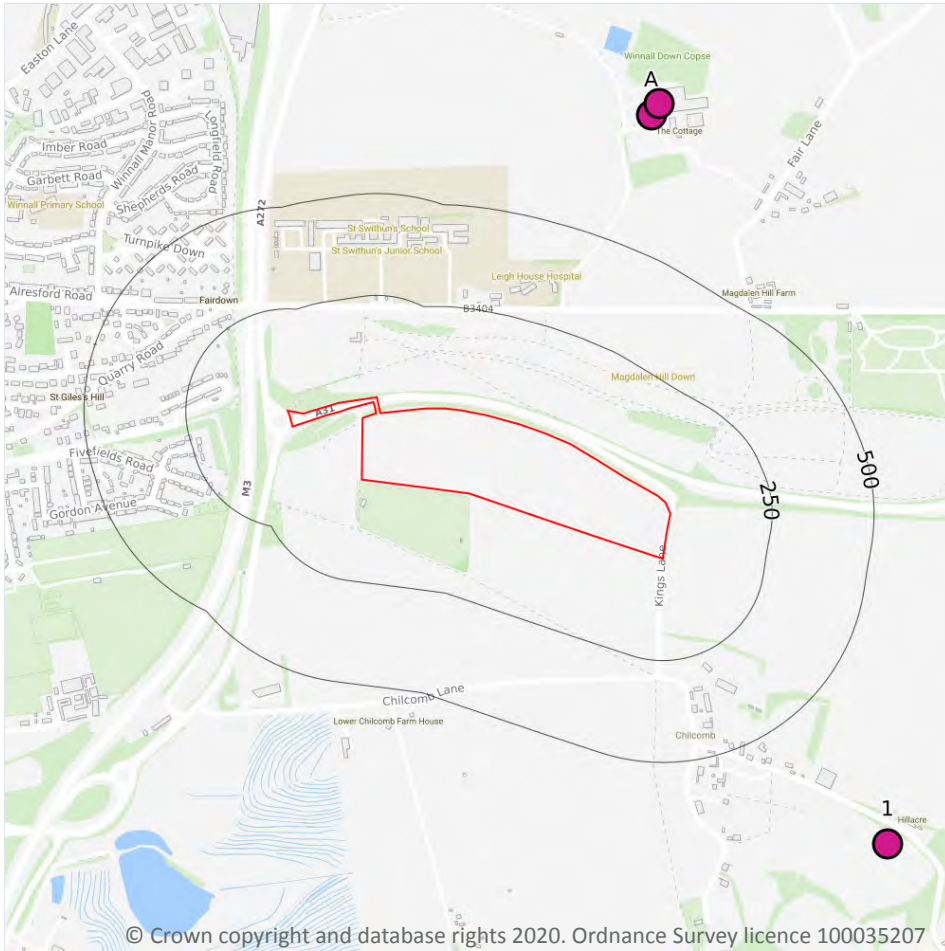
1

This dataset identifies areas where additional local information affecting vulnerability is held by the Environment Agency. Further information can be obtained by contacting the Environment Agency local Area groundwater team through the Environment Agency National Customer Call Centre on 03798 506 506 or by email on enquiries@environment-agency.gov.uk.

ID	Summary	Additional information
C	Increased vulnerability of aquifers due to rapid flow pathways	Local studies confirm presence of swallow holes in the area

This data is sourced from the British Geological Survey and the Environment Agency.

Abstractions and Source Protection Zones



5.6 Groundwater abstractions

Records within 2000m

16

Licensed groundwater abstractions for sites extracting more than 20 cubic metres of water a day and includes active and historical records. The data may be for a single abstraction point, between two points (line data) or a larger area.

Features are displayed on the Abstractions and Source Protection Zones map on **page 43**

ID	Location	Details	
A	823m N	Status: Historical Licence No: 11/42/22.4/146 Details: Spray Irrigation - Direct Direct Source: Southern Region Groundwater Point: WINNALL DOWN FARM, WINCHESTER Data Type: Point Name: Winnall Down Farm Ltd Easting: 450600 Northing: 129900	Annual Volume (m ³): 45460 Max Daily Volume (m ³): 872.8 Original Application No: - Original Start Date: - Expiry Date: - Issue No: 100 Version Start Date: 11/06/2009 Version End Date: -
A	855m N	Status: Active Licence No: 11/42/22.4/146 Details: Spray Irrigation - Direct Direct Source: Southern Region Groundwater Point: WINNALL DOWN FARM, WINCHESTER Data Type: Point Name: The Warden & Fellows of Winchester College Easting: 450619 Northing: 129927	Annual Volume (m ³): 45,460 Max Daily Volume (m ³): 872.80 Original Application No: - Original Start Date: 20/06/1977 Expiry Date: - Issue No: 102 Version Start Date: 18/07/2019 Version End Date: -
1	891m SE	Status: Historical Licence No: 11/42/22.6/86A Details: General Farming & Domestic Direct Source: Southern Region Groundwater Point: CHILCOMB MANOR, CHILCOMB Data Type: Point Name: Fordyce Easting: 451180 Northing: 128110	Annual Volume (m ³): - Max Daily Volume (m ³): - Original Application No: - Original Start Date: - Expiry Date: - Issue No: 100 Version Start Date: 02/05/1991 Version End Date: -
-	1313m NW	Status: Historical Licence No: 11/42/22.6/78 Details: Laundry Use Direct Source: Southern Region Groundwater Point: WINCHESTER LAUNDRY, HYDE ABBEY ROAD Data Type: Point Name: Brian Hampson & Paul Hampson & Sheila Lemon Easting: 448570 Northing: 129830	Annual Volume (m ³): 38000 Max Daily Volume (m ³): 145 Original Application No: - Original Start Date: - Expiry Date: - Issue No: 101 Version Start Date: 30/01/2003 Version End Date: -
-	1493m N	Status: Historical Licence No: 31/094 Details: General Farming & Domestic Direct Source: Southern Region Groundwater Point: SHOULDER OF MUTTON FARM, KINGSWORTHY Data Type: Point Name: Rosewell Easting: 449900 Northing: 130700	Annual Volume (m ³): - Max Daily Volume (m ³): - Original Application No: - Original Start Date: - Expiry Date: - Issue No: 100 Version Start Date: 10/05/1994 Version End Date: -



ID	Location	Details	
-	1493m N	Status: Historical Licence No: 31/095 Details: General Farming & Domestic Direct Source: Southern Region Groundwater Point: POINT A AT PATCHINGS, EASTON Data Type: Point Name: Poole Easting: 449900 Northing: 130700	Annual Volume (m ³): - Max Daily Volume (m ³): - Original Application No: - Original Start Date: - Expiry Date: - Issue No: 100 Version Start Date: 10/05/1994 Version End Date: -
-	1572m S	Status: Active Licence No: 11/42/22.6/89 Details: General Farming & Domestic Direct Source: Southern Region Groundwater Point: HAZELEY ESTATE, TWYFORD Data Type: Point Name: Anglozett GmbH Easting: 451030 Northing: 127290	Annual Volume (m ³): 18,184 Max Daily Volume (m ³): 68.20 Original Application No: - Original Start Date: 23/12/1965 Expiry Date: - Issue No: 101 Version Start Date: 04/10/2016 Version End Date: -
-	1783m N	Status: Historical Licence No: 11/42/22.6/137 Details: General Farming & Domestic Direct Source: Southern Region Groundwater Point: WINNALL COTTAGE FARM, ITCHEN VALLEY Data Type: Point Name: Croft Easting: 449940 Northing: 130990	Annual Volume (m ³): - Max Daily Volume (m ³): - Original Application No: - Original Start Date: - Expiry Date: - Issue No: 100 Version Start Date: 09/02/1988 Version End Date: -
-	1903m SW	Status: Historical Licence No: 31/105 Details: Fish Farm/Cress Pond Throughflow Direct Source: Southern Region Groundwater Point: POINT A, BOREHOLE AT GARNIER ROAD Data Type: Point Name: Winchester College Easting: 448110 Northing: 128120	Annual Volume (m ³): 32760 Max Daily Volume (m ³): 120 Original Application No: - Original Start Date: 12/02/2008 Expiry Date: 12/02/2012 Issue No: 1 Version Start Date: 12/02/2008 Version End Date: -
-	1903m SW	Status: Active Licence No: SO/042/0031/019 Details: Fish Farm/Cress Pond Throughflow Direct Source: Southern Region Groundwater Point: POINT A, BOREHOLE AT GARNIER ROAD Data Type: Point Name: Winchester College Easting: 448113 Northing: 128115	Annual Volume (m ³): 32,760 Max Daily Volume (m ³): 120 Original Application No: - Original Start Date: 17/02/2012 Expiry Date: 31/03/2028 Issue No: 1 Version Start Date: 01/04/2016 Version End Date: -



ID	Location	Details	
-	1947m SW	Status: Historical Licence No: 11/42/22.6/129 Details: Non-Evaporative Cooling Direct Source: Southern Region Groundwater Point: SEWAGE PS POINT B AT GARNIER ROAD, WINCHESTER Data Type: Point Name: Southern Water Services Ltd Easting: 447980 Northing: 128260	Annual Volume (m ³): 45460 Max Daily Volume (m ³): 45460 Original Application No: - Original Start Date: - Expiry Date: - Issue No: 100 Version Start Date: 27/03/1979 Version End Date: -
-	1947m SW	Status: Historical Licence No: 11/42/22.6/129 Details: General Washing/Process Washing Direct Source: Southern Region Groundwater Point: SEWAGE PS POINT B AT GARNIER ROAD, WINCHESTER Data Type: Point Name: Southern Water Services Ltd Easting: 447980 Northing: 128260	Annual Volume (m ³): 45460 Max Daily Volume (m ³): 45460 Original Application No: - Original Start Date: - Expiry Date: - Issue No: 100 Version Start Date: 27/03/1979 Version End Date: -
-	1956m SW	Status: Historical Licence No: 11/42/22.6/129 Details: Non-Evaporative Cooling Direct Source: Southern Region Groundwater Point: SEWAGE PS POINT C AT GARNIER ROAD, WINCHESTER Data Type: Point Name: Southern Water Services Ltd Easting: 447990 Northing: 128220	Annual Volume (m ³): 45460 Max Daily Volume (m ³): 45460 Original Application No: - Original Start Date: - Expiry Date: - Issue No: 100 Version Start Date: 27/03/1979 Version End Date: -
-	1956m SW	Status: Historical Licence No: 11/42/22.6/129 Details: General Washing/Process Washing Direct Source: Southern Region Groundwater Point: SEWAGE PS POINT C AT GARNIER ROAD, WINCHESTER Data Type: Point Name: Southern Water Services Ltd Easting: 447990 Northing: 128220	Annual Volume (m ³): 45460 Max Daily Volume (m ³): 45460 Original Application No: - Original Start Date: - Expiry Date: - Issue No: 100 Version Start Date: 27/03/1979 Version End Date: -



ID	Location	Details	
-	1983m SW	Status: Historical Licence No: 11/42/22.6/129 Details: Non-Evaporative Cooling Direct Source: Southern Region Groundwater Point: SEWAGE PS POINT A AT GARNIER ROAD, WINCHESTER Data Type: Point Name: Southern Water Services Ltd Easting: 447950 Northing: 128240	Annual Volume (m ³): 45460 Max Daily Volume (m ³): 45460 Original Application No: - Original Start Date: - Expiry Date: - Issue No: 100 Version Start Date: 27/03/1979 Version End Date: -
-	1983m SW	Status: Historical Licence No: 11/42/22.6/129 Details: General Washing/Process Washing Direct Source: Southern Region Groundwater Point: SEWAGE PS POINT A AT GARNIER ROAD, WINCHESTER Data Type: Point Name: Southern Water Services Ltd Easting: 447950 Northing: 128240	Annual Volume (m ³): 45460 Max Daily Volume (m ³): 45460 Original Application No: - Original Start Date: - Expiry Date: - Issue No: 100 Version Start Date: 27/03/1979 Version End Date: -

This data is sourced from the Environment Agency and Natural Resources Wales.

5.7 Surface water abstractions

Records within 2000m

0

Licensed surface water abstractions for sites extracting more than 20 cubic metres of water a day and includes active and historical records. The data may be for a single abstraction point, a stretch of watercourse or a larger area.

This data is sourced from the Environment Agency and Natural Resources Wales.

5.8 Potable abstractions

Records within 2000m

0

Licensed potable water abstractions for sites extracting more than 20 cubic metres of water a day and includes active and historical records. The data may be for a single abstraction point, a stretch of watercourse or a larger area.

This data is sourced from the Environment Agency and Natural Resources Wales.



5.9 Source Protection Zones

Records within 500m

0

Source Protection Zones define the sensitivity of an area around a potable abstraction site to contamination.

This data is sourced from the Environment Agency and Natural Resources Wales.

5.10 Source Protection Zones (confined aquifer)

Records within 500m

0

Source Protection Zones in the confined aquifer define the sensitivity around a deep groundwater abstraction to contamination. A confined aquifer would normally be protected from contamination by overlying geology and is only considered a sensitive resource if deep excavation/drilling is taking place.

This data is sourced from the Environment Agency and Natural Resources Wales.

6 Hydrology



- Site Outline
- Search buffers in metres (m)
- Water Network (OS MasterMap)
- Surface water features (wider than 5m)
- Surface water features (narrower than 5m)
- ⋯ WFD River, canal and surface water transfer water bodies
- WFD Lake water bodies
- WFD Transitional and coastal water bodies
- WFD Surface water body catchments boundaries
- WFD Groundwater body boundaries

6.1 Water Network (OS MasterMap)

Records within 250m

0

Detailed water network of Great Britain showing the flow and precise central course of every river, stream, lake and canal.

This data is sourced from the Ordnance Survey.

6.2 Surface water features

Records within 250m

0

Covering rivers, streams and lakes (some overlap with OS MasterMap Water Network data in previous section) but additionally covers smaller features such as ponds. Rivers and streams narrower than 5m are represented as a single line. Lakes, ponds and rivers or streams wider than 5m are represented as polygons.

This data is sourced from the Ordnance Survey.

6.3 WFD Surface water body catchments

Records on site	1
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The Water Framework Directive is an EU-led framework for the protection of inland surface waters, estuaries, coastal waters and groundwater through river basin-level management planning. In terms of surface water, these basins are broken down into smaller units known as management, operational and water body catchments.

Features are displayed on the Hydrology map on **page 49**

ID	Location	Type	Water body catchment	Water body ID	Operational catchment	Management catchment
A	On site	River WB catchment	Itchen	GB107042022580	Itchen	Test and Itchen

This data is sourced from the Environment Agency and Natural Resources Wales.

6.4 WFD Surface water bodies

Records identified	1
---------------------------	----------

Surface water bodies under the Directive may be rivers, lakes, estuary or coastal. To achieve the purpose of the Directive, environmental objectives have been set and are reported on for each water body. The progress towards delivery of the objectives is then reported on by the relevant competent authorities at the end of each six-year cycle. The river water body directly associated with the catchment listed in the previous section is detailed below, along with any lake, canal, coastal or artificial water body within 250m of the site. Click on the water body ID in the table to visit the EA Catchment Explorer to find out more about each water body listed.

Features are displayed on the Hydrology map on **page 49**

ID	Location	Type	Name	Water body ID	Overall rating	Chemical rating	Ecological rating	Year
-	1065m W	River	Itchen	GB107042022580	Good	Good	Good	2016

This data is sourced from the Environment Agency and Natural Resources Wales.

6.5 WFD Groundwater bodies

Records on site	1
------------------------	----------

Groundwater bodies are also covered by the Directive and the same regime of objectives and reporting detailed in the previous section is in place. Click on the water body ID in the table to visit the EA Catchment Explorer to find out more about each groundwater body listed.

Features are displayed on the Hydrology map on **page 49**

ID	Location	Name	Water body ID	Overall rating	Chemical rating	Quantitative	Year
A	On site	River Itchen Chalk	<u>GB40701G505000</u>	Poor	Poor	Poor	2015

This data is sourced from the Environment Agency and Natural Resources Wales.

7 River and coastal flooding

7.1 Risk of Flooding from Rivers and Sea (RoFRaS)

Records within 50m

0

The chance of flooding from rivers and/or the sea in any given year, based on cells of 50m. Each cell is allocated one of four flood risk categories, taking into account flood defences and their condition; Very low (less than 1 in 1000 chance in any given year), Low (less than 1 in 100 but greater than or equal to 1 in 1000 chance), Medium (less than 1 in 30 but greater than or equal to 1 in 100 chance) or High (greater than or equal to 1 in 30 chance).

This data is sourced from the Environment Agency and Natural Resources Wales.

7.2 Historical Flood Events

Records within 250m

0

Records of historic flooding from rivers, the sea, groundwater and surface water. Records began in 1946 when predecessor bodies started collecting detailed information about flooding incidents, although limited details may be included on flooding incidents prior to this date. Takes into account the presence of defences, structures, and other infrastructure where they existed at the time of flooding, and includes flood extents that may have been affected by overtopping, breaches or blockages.

This data is sourced from the Environment Agency and Natural Resources Wales.

7.3 Flood Defences

Records within 250m

0

Records of flood defences owned, managed or inspected by the Environment Agency and Natural Resources Wales. Flood defences can be structures, buildings or parts of buildings. Typically these are earth banks, stone and concrete walls, or sheet-piling that is used to prevent or control the extent of flooding.

This data is sourced from the Environment Agency and Natural Resources Wales.

7.4 Areas Benefiting from Flood Defences

Records within 250m

0

Areas that would benefit from the presence of flood defences in a 1 in 100 (1%) chance of flooding each year from rivers or 1 in 200 (0.5%) chance of flooding each year from the sea.

This data is sourced from the Environment Agency and Natural Resources Wales.



7.5 Flood Storage Areas

Records within 250m

0

Areas that act as a balancing reservoir, storage basin or balancing pond to attenuate an incoming flood peak to a flow level that can be accepted by the downstream channel or to delay the timing of a flood peak so that its volume is discharged over a longer period.

This data is sourced from the Environment Agency and Natural Resources Wales.



River and coastal flooding - Flood Zones

7.6 Flood Zone 2

Records within 50m

0

Areas of land at risk of flooding, when the presence of flood defences are ignored. Covering land between Flood Zone 3 (see next section) and the extent of the flooding from rivers or the sea with a 1 in 1000 (0.1%) chance of flooding each year.

This data is sourced from the Environment Agency and Natural Resources Wales.

7.7 Flood Zone 3

Records within 50m

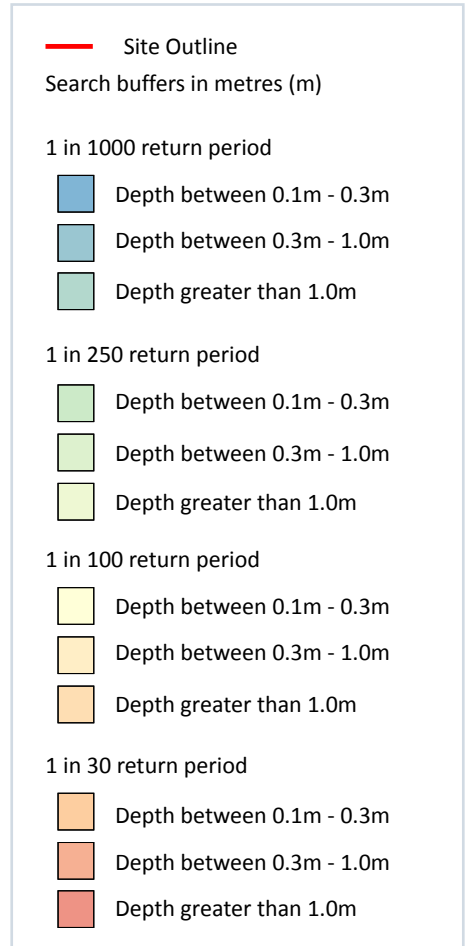
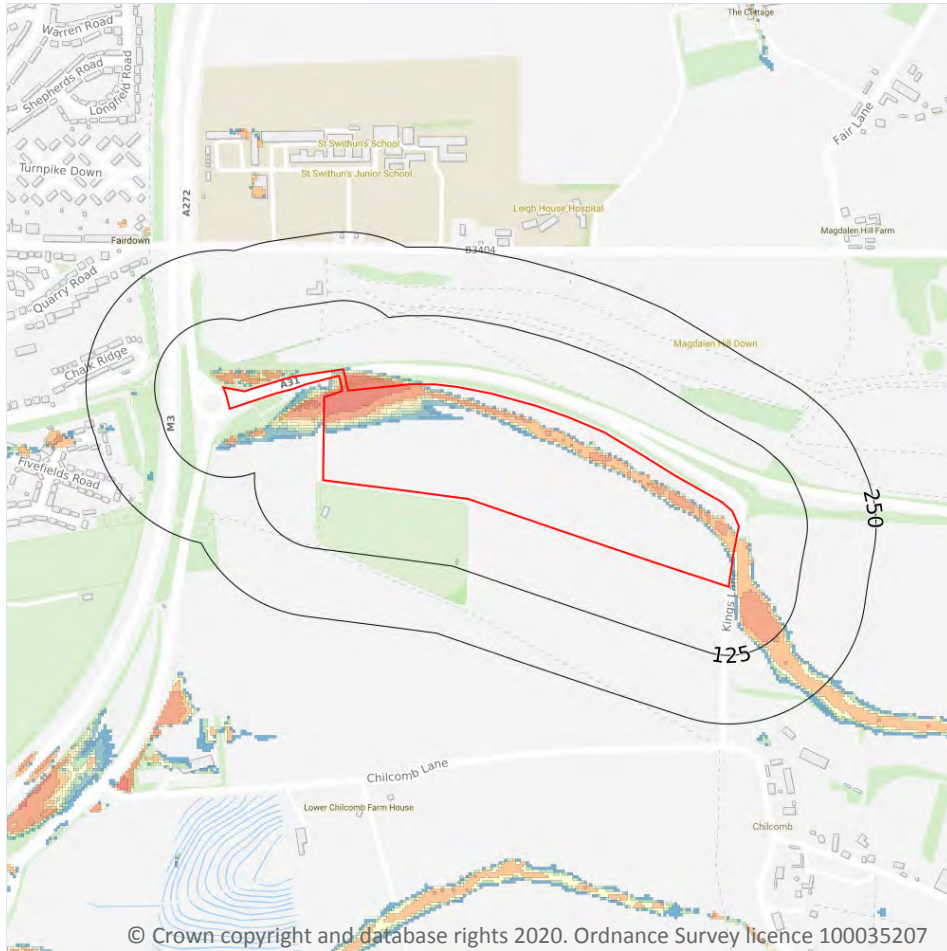
0

Areas of land at risk of flooding, when the presence of flood defences are ignored. Covering land with a 1 in 100 (1%) or greater chance of flooding each year from rivers or a 1 in 200 (0.5%) or greater chance of flooding each year from the sea.

This data is sourced from the Environment Agency and Natural Resources Wales.



8 Surface water flooding



8.1 Surface water flooding

Highest risk on site

1 in 30 year, Greater than 1.0m

Highest risk within 50m

1 in 30 year, Greater than 1.0m

Ambiental Risk Analytics surface water (pluvial) FloodMap identifies areas likely to flood as a result of extreme rainfall events, i.e. land naturally vulnerable to surface water ponding or flooding. This data set was produced by simulating 1 in 30 year, 1 in 100 year, 1 in 250 year and 1 in 1,000 year rainfall events. Modern urban drainage systems are typically built to cope with rainfall events between 1 in 20 and 1 in 30 years, though some older ones may flood in a 1 in 5 year rainfall event.

Features are displayed on the Surface water flooding map on **page 55**

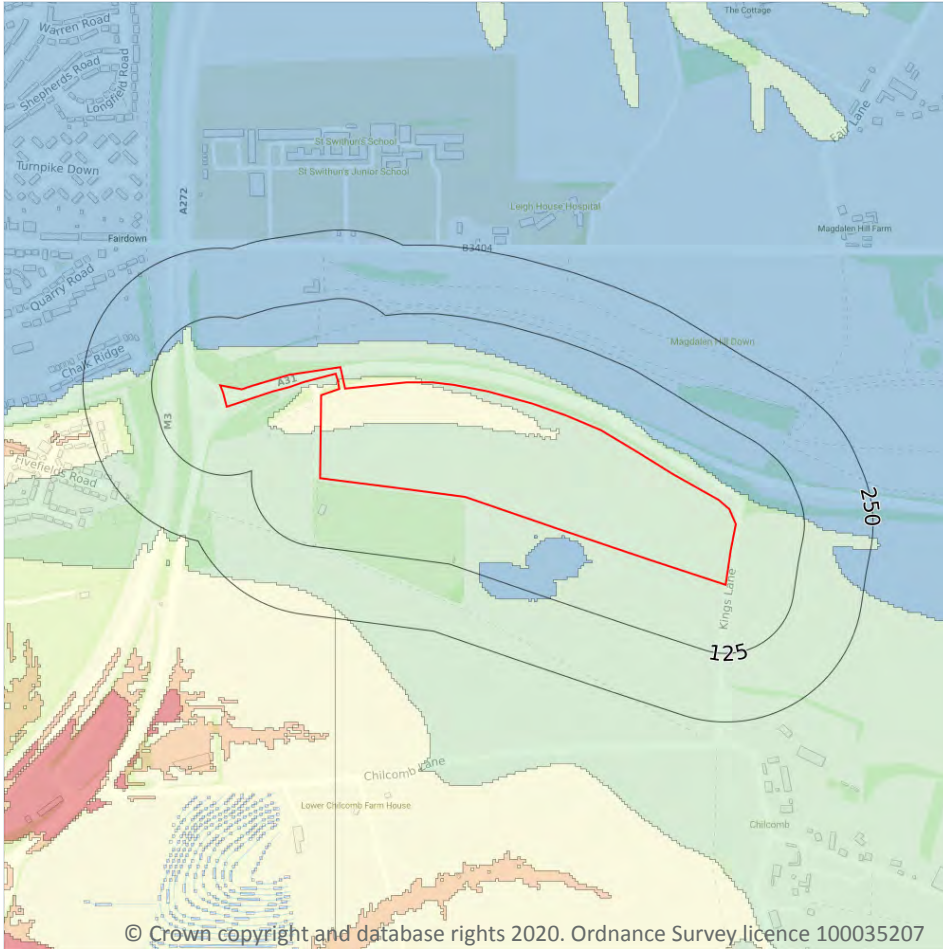
The data shown on the map and in the table above shows the highest likelihood of flood events happening at the site. Lower likelihood events may have greater flood depths and hence a greater potential impact on a site.

The table below shows the maximum flood depths for a range of return periods for the site.

Return period	Maximum modelled depth
1 in 1000 year	Greater than 1.0m
1 in 250 year	Greater than 1.0m
1 in 100 year	Greater than 1.0m
1 in 30 year	Greater than 1.0m

This data is sourced from Ambiental Risk Analytics.

9 Groundwater flooding



9.1 Groundwater flooding

Highest risk on site

Moderate

Highest risk within 50m

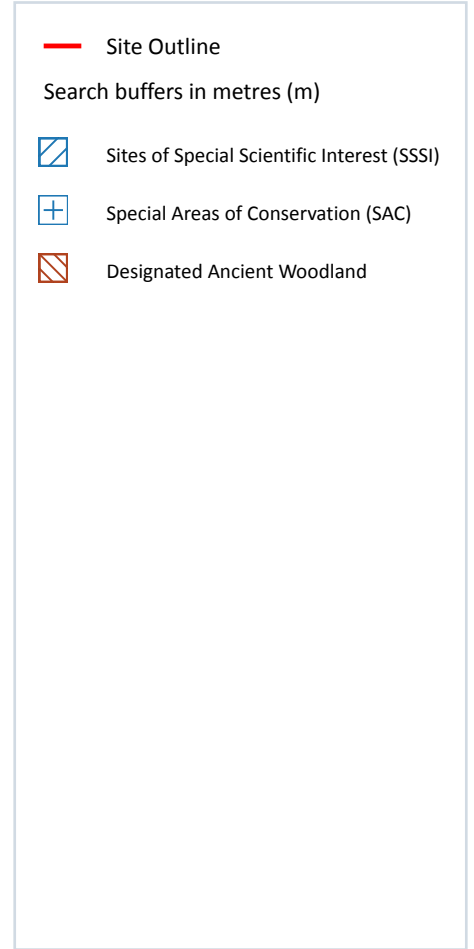
Moderate

Groundwater flooding is caused by unusually high groundwater levels. It occurs when the water table rises above the ground surface or within underground structures such as basements or cellars. Groundwater flooding tends to exhibit a longer duration than surface water flooding, possibly lasting for weeks or months, and as a result it can cause significant damage to property. This risk assessment is based on a 1 in 100 year return period and a 5m Digital Terrain Model (DTM).

Features are displayed on the Groundwater flooding map on **page 57**

This data is sourced from Ambiental Risk Analytics.

10 Environmental designations



10.1 Sites of Special Scientific Interest (SSSI)

Records within 2000m

4

Sites providing statutory protection for the best examples of UK flora, fauna, or geological or physiographical features. Originally notified under the National Parks and Access to the Countryside Act 1949, SSSIs were re-notified under the Wildlife and Countryside Act 1981. Improved provisions for the protection and management of SSSIs were introduced by the Countryside and Rights of Way Act 2000 (in England and Wales) and (in Scotland) by the Nature Conservation (Scotland) Act 2004 and the Wildlife and Natural Environment (Scotland) Act 2010.

Features are displayed on the Environmental designations map on **page 58**

ID	Location	Name	Data source
A	1077m W	River Itchen	Natural England

ID	Location	Name	Data source
2	1546m SW	St. Catherine's Hill	Natural England
-	1794m E	Cheesefoot Head	Natural England
-	1806m E	Cheesefoot Head	Natural England

This data is sourced from Natural England, Natural Resources Wales and Scottish Natural Heritage.

10.2 Conserved wetland sites (Ramsar sites)

Records within 2000m

0

Ramsar sites are designated under the Convention on Wetlands of International Importance, agreed in Ramsar, Iran, in 1971. They cover all aspects of wetland conservation and wise use, recognizing wetlands as ecosystems that are extremely important for biodiversity conservation in general and for the well-being of human communities. These sites cover a broad definition of wetland; marsh, fen, peatland or water, whether natural or artificial, permanent or temporary, with water that is static or flowing, fresh, brackish or salt, and even some marine areas.

This data is sourced from Natural England, Natural Resources Wales and Scottish Natural Heritage.

10.3 Special Areas of Conservation (SAC)

Records within 2000m

1

Areas which have been identified as best representing the range and variety within the European Union of habitats and (non-bird) species listed on Annexes I and II to the Directive. SACs are designated under the EC Habitats Directive.

Features are displayed on the Environmental designations map on **page 58**

ID	Location	Name	Features of interest	Habitat description	Data source
A	1077m W	River Itchen	Rivers with floating vegetation often dominated by water-crowfoot; Sea lamprey; Brook lamprey; River lamprey; Atlantic salmon; Bullhead; Desmoulin`s whorl snail; Southern damselfly; White-clawed (or Atlantic stream) crayfish; Otter.	Mixed woodland; Humid grassland, Mesophile grassland; Broad-leaved deciduous woodland; Improved grassland; Bogs, Marshes, Water fringed vegetation, Fens; Inland water bodies (Standing water, Running water); Non-forest areas cultivated with woody plants (including Orchards, groves, Vineyards, Dehesas)	Natural England

This data is sourced from Natural England, Natural Resources Wales and Scottish Natural Heritage.



10.4 Special Protection Areas (SPA)

Records within 2000m

0

Sites classified by the UK Government under the EC Birds Directive, SPAs are areas of the most important habitat for rare (listed on Annex I to the Directive) and migratory birds within the European Union.

This data is sourced from Natural England, Natural Resources Wales and Scottish Natural Heritage.

10.5 National Nature Reserves (NNR)

Records within 2000m

0

Sites containing examples of some of the most important natural and semi-natural terrestrial and coastal ecosystems in Great Britain. They are managed to conserve their habitats, provide special opportunities for scientific study or to provide public recreation compatible with natural heritage interests.

This data is sourced from Natural England, Natural Resources Wales and Scottish Natural Heritage.

10.6 Local Nature Reserves (LNR)

Records within 2000m

0

Sites managed for nature conservation, and to provide opportunities for research and education, or simply enjoying and having contact with nature. They are declared by local authorities under the National Parks and Access to the Countryside Act 1949 after consultation with the relevant statutory nature conservation agency.

This data is sourced from Natural England, Natural Resources Wales and Scottish Natural Heritage.

10.7 Designated Ancient Woodland

Records within 2000m

1

Ancient woodlands are classified as areas which have been wooded continuously since at least 1600 AD. This includes semi-natural woodland and plantations on ancient woodland sites. 'Wooded continuously' does not mean there is or has previously been continuous tree cover across the whole site, and not all trees within the woodland have to be old.

Features are displayed on the Environmental designations map on **page 58**

ID	Location	Name	Woodland Type
1	937m S	Unknown	Ancient & Semi-Natural Woodland

This data is sourced from Natural England, Natural Resources Wales and Scottish Natural Heritage.

10.8 Biosphere Reserves

Records within 2000m

0

Biosphere Reserves are internationally recognised by UNESCO as sites of excellence to balance conservation and socioeconomic development between nature and people. They are recognised under the Man and the Biosphere (MAB) Programme with the aim of promoting sustainable development founded on the work of the local community.

This data is sourced from Natural England, Natural Resources Wales and Scottish Natural Heritage.

10.9 Forest Parks

Records within 2000m

0

These are areas managed by the Forestry Commission designated on the basis of recreational, conservation or scenic interest.

This data is sourced from the Forestry Commission.

10.10 Marine Conservation Zones

Records within 2000m

0

A type of marine nature reserve in UK waters established under the Marine and Coastal Access Act (2009). They are designated with the aim to protect nationally important, rare or threatened habitats and species.

This data is sourced from Natural England, Natural Resources Wales and Scottish Natural Heritage.

10.11 Green Belt

Records within 2000m

0

Areas designated to prevent urban sprawl by keeping land permanently open.

This data is sourced from the Ministry of Housing, Communities and Local Government.

10.12 Proposed Ramsar sites

Records within 2000m

0

Ramsar sites are areas listed as a Wetland of International Importance under the Convention on Wetlands of International Importance especially as Waterfowl Habitat (the Ramsar Convention) 1971. The sites here supplied have a status of 'Proposed' having been identified for potential adoption under the framework.

This data is sourced from Natural England.



10.13 Possible Special Areas of Conservation (pSAC)

Records within 2000m	0
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Special Areas of Conservation are areas which have been identified as best representing the range and variety within the European Union of habitats and (non-bird) species listed on Annexes I and II to the Directive. SACs are designated under the EC Habitats Directive. Those sites supplied here are those with a status of 'Possible' having been identified for potential adoption under the framework.

This data is sourced from Natural England and Natural Resources Wales.

10.14 Potential Special Protection Areas (pSPA)

Records within 2000m	0
-----------------------------	----------

Special Protection Areas (SPAs) are areas designated (or 'classified') under the European Union Wild Birds Directive for the protection of nationally and internationally important populations of wild birds. Those sites supplied here are those with a status of 'Potential' having been identified for potential adoption under the framework.

This data is sourced from Natural England.

10.15 Nitrate Sensitive Areas

Records within 2000m	0
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Areas where nitrate concentrations in drinking water sources exceeded or was at risk of exceeding the limit of 50 mg/l set by the 1980 EC Drinking Water Directive. Voluntary agricultural measures as a means of reducing the levels of nitrate were introduced by DEFRA as MAFF, with payments being made to farmers who complied. The scheme was started as a pilot in 1990 in ten areas, later implemented within 32 areas. The scheme was closed to further new entrants in 1998, although existing agreements continued for their full term. All Nitrate Sensitive Areas fell within the areas designated as Nitrate Vulnerable Zones (NVZs) in 1996 under the EC Nitrate Directive (91/676/EEC).

This data is sourced from Natural England.

10.16 Nitrate Vulnerable Zones

Records within 2000m	3
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Areas at risk from agricultural nitrate pollution designated under the EC Nitrate Directive (91/676/EEC). These are areas of land that drain into waters polluted by nitrates. Farmers operating within these areas have to follow mandatory rules to tackle nitrate loss from agriculture.

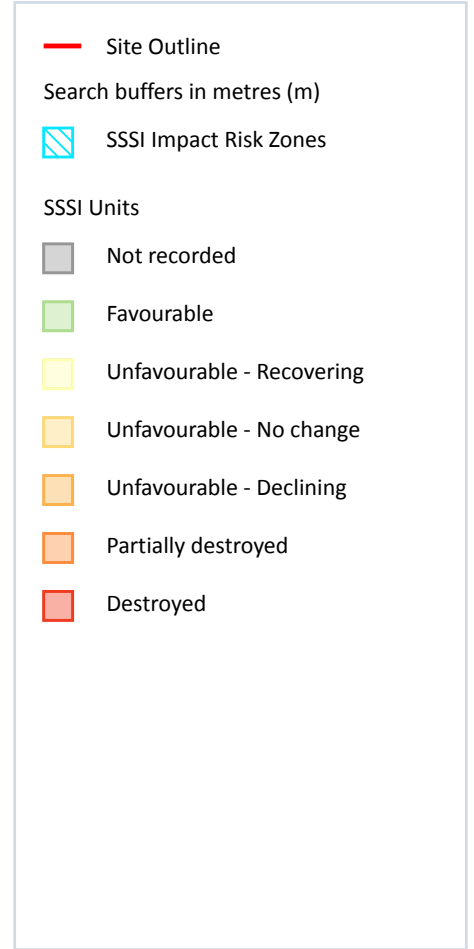
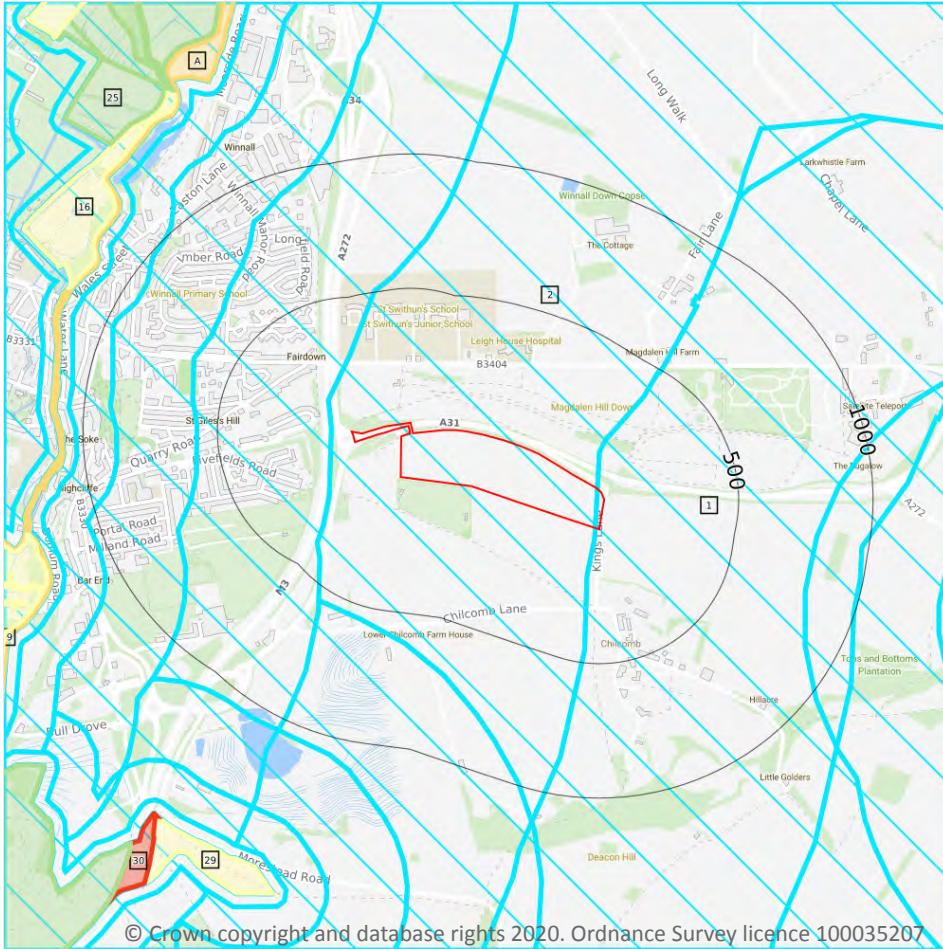
Location	Name	Type	NVZ ID	Status
On site	Hampshire Chalk	Groundwater	G143	Existing



Location	Name	Type	NVZ ID	Status
On site	Hamble Estuary Eutrophic NVZ (TraC)	Eutrophic Water	ET3	Existing
1410m NW	Nun's Walk Stream NVZ	Surface Water	S812	New

This data is sourced from Natural England and Natural Resources Wales.

SSSI Impact Zones and Units



10.17 SSSI Impact Risk Zones

Records on site

2

Developed to allow rapid initial assessment of the potential risks to SSSIs posed by development proposals. They define zones around each SSSI which reflect the particular sensitivities of the features for which it is notified and indicate the types of development proposal which could potentially have adverse impacts.

Features are displayed on the SSSI Impact Zones and Units map on **page 64**

ID	Location	Type of developments requiring consultation
1	On site	<p>Infrastructure - Airports, helipads and other aviation proposals.</p> <p>Minerals, Oil and Gas - Planning applications for quarries, including: new proposals, Review of Minerals Permissions (ROMP), extensions, variations to conditions etc. Oil & gas exploration/extraction.</p> <p>Air pollution - Any industrial/agricultural development that could cause AIR POLLUTION (incl: industrial processes, livestock & poultry units with floorspace > 500m², slurry lagoons > 200m² & manure stores > 250t).</p> <p>Combustion - General combustion processes >20MW energy input. Incl: energy from waste incineration, other incineration, landfill gas generation plant, pyrolysis/gasification, anaerobic digestion, sewage treatment works, other incineration/ combustion</p> <p>Waste - Landfill. Incl: inert landfill, non-hazardous landfill, hazardous landfill.</p> <p>Composting - Any composting proposal with more than 75000 tonnes maximum annual operational throughput. Incl: open windrow composting, in-vessel composting, anaerobic digestion, other waste management</p> <p>Discharges - Any discharge of water or liquid waste that is discharged to ground (ie to seep away) or to surface water, such as a beck or stream.</p> <p>Notes: SOLENT NUTRIENT IMPACT AREA. For new development with overnight accommodation Reg 63 of the Conservation of Habitats and Species Regulations 2017 must be applied. LPA to refer to Natural England's Solent Nutrient Neutrality Advice Note June 2019.</p>
2	On site	<p>Infrastructure - Pipelines, pylons and overhead cables. Any transport proposal including road, rail and by water (excluding routine maintenance). Airports, helipads and other aviation proposals</p> <p>Minerals, Oil and Gas - Planning applications for quarries, including: new proposals, Review of Minerals Permissions (ROMP), extensions, variations to conditions etc. Oil & gas exploration/extraction.</p> <p>Rural non-residential - Large non residential developments outside existing settlements/urban areas where footprint exceeds 1ha.</p> <p>Rural residential - Any residential development of 100 or more houses outside existing settlements/urban areas.</p> <p>Air pollution - Any industrial/agricultural development that could cause AIR POLLUTION (incl: industrial processes, livestock & poultry units with floorspace > 500m², slurry lagoons > 200m² & manure stores > 250t).</p> <p>Combustion - General combustion processes >20MW energy input. Incl: energy from waste incineration, other incineration, landfill gas generation plant, pyrolysis/gasification, anaerobic digestion, sewage treatment works, other incineration/ combustion</p> <p>Waste - Landfill. Incl: inert landfill, non-hazardous landfill, hazardous landfill.</p> <p>Composting - Any composting proposal with more than 75000 tonnes maximum annual operational throughput. Incl: open windrow composting, in-vessel composting, anaerobic digestion, other waste management</p> <p>Discharges - Any discharge of water or liquid waste that is discharged to ground (ie to seep away) or to surface water, such as a beck or stream.</p> <p>Water supply - Large infrastructure such as warehousing / industry where total net additional gross internal floorspace following development is 1,000m² or more.</p> <p>Notes: SOLENT NUTRIENT IMPACT AREA. For new development with overnight accommodation Reg 63 of the Conservation of Habitats and Species Regulations 2017 must be applied. LPA to refer to Natural England's Solent Nutrient Neutrality Advice Note June 2019.</p>

This data is sourced from Natural England.



10.18 SSSI Units

Records within 2000m

17

Divisions of SSSIs used to record management and condition details. Units are the smallest areas for which Natural England gives a condition assessment, however, the size of units varies greatly depending on the types of management and the conservation interest.

Features are displayed on the SSSI Impact Zones and Units map on **page 64**

ID: 13
 Location: 1077m W
 SSSI name: River Itchen
 Unit name: Middle Itchen (Easton To Highbridge)
 Broad habitat: Rivers And Streams
 Condition: Unfavourable - No change
 Reportable features:

Feature name	Feature condition	Date of assessment
Atlantic salmon, <i>Salmo salar</i>	Not Recorded	01/01/1900
Brook lamprey, <i>Lampetra planeri</i>	Unfavourable - No change	13/02/2019
Bullhead, <i>Cottus gobio</i>	Not Recorded	01/01/1900
H3260 Water courses of plain to montane levels with <i>R. fluitantis</i>	Unfavourable - No change	30/03/2010
Invert. assemblage W314 reed-fen & pools	-	-
Otter, <i>Lutra lutra</i>	Not Recorded	01/01/1900
Rivers and Streams	Not Recorded	01/01/1900
S1044 Southern damselfly, <i>Coenagrion mercuriale</i>	Unfavourable - No change	15/01/2007
S1096 Brook lamprey, <i>Lampetra planeri</i>	Unfavourable - No change	13/02/2019
S1106 Atlantic salmon, <i>Salmo salar</i>	Unfavourable - No change	15/01/2007
S1163 Bullhead, <i>Cottus gobio</i>	Favourable	15/01/2007
S1355 Otter, <i>Lutra lutra</i>	Unfavourable - Recovering	30/03/2010

ID: 16
 Location: 1149m NW
 SSSI name: River Itchen
 Unit name: Winnall Moors Southern Fen
 Broad habitat: Fen, Marsh And Swamp - Lowland
 Condition: Unfavourable - Recovering
 Reportable features:



Feature name	Feature condition	Date of assessment
Assemblages of breeding birds - Lowland open waters and their margins	Unfavourable - Recovering	29/06/2011
Floodplain fen (lowland)	Unfavourable - Recovering	29/06/2011
Invert. assemblage W314 reed-fen & pools	-	-

ID: 19
Location: 1231m W
SSSI name: River Itchen
Unit name: Middle Itchen (Easton To Highbridge)
Broad habitat: Rivers And Streams
Condition: Unfavourable - No change
Reportable features:

Feature name	Feature condition	Date of assessment
Atlantic salmon, <i>Salmo salar</i>	Not Recorded	01/01/1900
Brook lamprey, <i>Lampetra planeri</i>	Unfavourable - No change	13/02/2019
Bullhead, <i>Cottus gobio</i>	Not Recorded	01/01/1900
H3260 Water courses of plain to montane levels with <i>R. fluitantis</i>	Unfavourable - No change	30/03/2010
Invert. assemblage W314 reed-fen & pools	-	-
Otter, <i>Lutra lutra</i>	Not Recorded	01/01/1900
Rivers and Streams	Not Recorded	01/01/1900
S1044 Southern damselfly, <i>Coenagrion mercuriale</i>	Unfavourable - No change	15/01/2007
S1096 Brook lamprey, <i>Lampetra planeri</i>	Unfavourable - No change	13/02/2019
S1106 Atlantic salmon, <i>Salmo salar</i>	Unfavourable - No change	15/01/2007
S1163 Bullhead, <i>Cottus gobio</i>	Favourable	15/01/2007
S1355 Otter, <i>Lutra lutra</i>	Unfavourable - Recovering	30/03/2010

ID: 20
Location: 1244m W
SSSI name: River Itchen
Unit name: Fallodon Reserve
Broad habitat: Fen, Marsh And Swamp - Lowland
Condition: Unfavourable - Recovering
Reportable features:



Feature name	Feature condition	Date of assessment
Floodplain fen (lowland)	Unfavourable - Recovering	27/07/2011
Invert. assemblage W314 reed-fen & pools	-	-

ID: 25
 Location: 1397m NW
 SSSI name: River Itchen
 Unit name: Winnall Moors Rugby Club Meadow
 Broad habitat: Neutral Grassland - Lowland
 Condition: Favourable
 Reportable features:

Feature name	Feature condition	Date of assessment
Floodplain fen (lowland)	Favourable	19/06/2012
Invert. assemblage W314 reed-fen & pools	-	-

ID: A
 Location: 1410m N
 SSSI name: River Itchen
 Unit name: Winnall Fen East Of River Itchen
 Broad habitat: Broadleaved, Mixed And Yew Woodland - Lowland
 Condition: Unfavourable - No change
 Reportable features:

Feature name	Feature condition	Date of assessment
Floodplain fen (lowland)	Not Recorded	01/01/1900
Invert. assemblage W314 reed-fen & pools	-	-
Wet woodland	Not Recorded	01/01/1900

ID: A
 Location: 1435m NW
 SSSI name: River Itchen
 Unit name: Winnall Moors Northeast Fields
 Broad habitat: Neutral Grassland - Lowland
 Condition: Favourable
 Reportable features:

Feature name	Feature condition	Date of assessment
Assemblages of breeding birds - Lowland open waters and their margins	Favourable	19/06/2012
Invert. assemblage W314 reed-fen & pools	-	-
Lowland neutral grassland (MG8)	Favourable	19/06/2012

ID: 26
 Location: 1464m NW
 SSSI name: River Itchen
 Unit name: Winnall Moors Northwest Meadows
 Broad habitat: Neutral Grassland - Lowland
 Condition: Favourable
 Reportable features:

Feature name	Feature condition	Date of assessment
Assemblages of breeding birds - Lowland open waters and their margins	Favourable	31/05/2018
Floodplain fen (lowland)	Favourable	31/05/2018
Invert. assemblage W314 reed-fen & pools	-	-
Lowland neutral grassland (MG8)	Favourable	31/05/2018

ID: 29
 Location: 1546m SW
 SSSI name: St. Catherine's Hill
 Unit name: 600 Yards East Of Catherines Hill
 Broad habitat: Calcareous Grassland - Lowland
 Condition: Unfavourable - Recovering
 Reportable features:

Feature name	Feature condition	Date of assessment
Lowland calcareous grassland (CG2)	Unfavourable - Recovering	02/07/2014
Lowland calcareous grassland (CG3-5)	Unfavourable - Recovering	02/07/2014

ID: 30
 Location: 1552m SW
 SSSI name: St. Catherine's Hill
 Unit name: M3
 Broad habitat: Built Up Areas And Gardens
 Condition: Destroyed



Reportable features:

Feature name	Feature condition	Date of assessment
Lowland calcareous grassland (CG2)	Destroyed	13/07/2011

ID: 32
 Location: 1671m SW
 SSSI name: St. Catherine's Hill
 Unit name: St Catherines Hill
 Broad habitat: Calcareous Grassland - Lowland
 Condition: Favourable
 Reportable features:

Feature name	Feature condition	Date of assessment
Lowland calcareous grassland (CG2)	Favourable	02/07/2014
Lowland calcareous grassland (CG3-5)	Favourable	02/07/2014

ID: -
 Location: 1712m SW
 SSSI name: River Itchen
 Unit name: Winchester Meadows North
 Broad habitat: Neutral Grassland - Lowland
 Condition: Unfavourable - Recovering
 Reportable features:

Feature name	Feature condition	Date of assessment
Assemblages of breeding birds - Lowland open waters and their margins	Unfavourable - Recovering	26/06/2012
Floodplain fen (lowland)	Unfavourable - Recovering	26/06/2012
Invert. assemblage W314 reed-fen & pools	-	-

ID: -
 Location: 1750m NW
 SSSI name: River Itchen
 Unit name: Winnall Moors Northwest Meadows
 Broad habitat: Neutral Grassland - Lowland
 Condition: Favourable
 Reportable features:



Feature name	Feature condition	Date of assessment
Assemblages of breeding birds - Lowland open waters and their margins	Favourable	31/05/2018
Floodplain fen (lowland)	Favourable	31/05/2018
Invert. assemblage W314 reed-fen & pools	-	-
Lowland neutral grassland (MG8)	Favourable	31/05/2018

ID: -
 Location: 1794m E
 SSSI name: Cheesefoot Head
 Unit name: Telegraph Hill
 Broad habitat: Calcareous Grassland - Lowland
 Condition: Unfavourable - Declining
 Reportable features:

Feature name	Feature condition	Date of assessment
Populations of nationally scarce butterfly species - <i>Hamearis lucina</i> , Duke of Burgundy	Unfavourable - Recovering	31/10/2014
Scrub	Unfavourable - Recovering	31/10/2014

ID: -
 Location: 1806m E
 SSSI name: Cheesefoot Head
 Unit name: Telegraph Clump
 Broad habitat: Calcareous Grassland - Lowland
 Condition: Favourable
 Reportable features:

Feature name	Feature condition	Date of assessment
Lowland calcareous grassland (CG2)	Favourable	09/07/2012
Lowland calcareous grassland (CG6)	Favourable	09/07/2012

ID: -
 Location: 1807m SW
 SSSI name: River Itchen
 Unit name: Middle Itchen (Easton To Highbridge)
 Broad habitat: Rivers And Streams
 Condition: Unfavourable - No change
 Reportable features:

Feature name	Feature condition	Date of assessment
Atlantic salmon, <i>Salmo salar</i>	Not Recorded	01/01/1900
Brook lamprey, <i>Lampetra planeri</i>	Unfavourable - No change	13/02/2019
Bullhead, <i>Cottus gobio</i>	Not Recorded	01/01/1900
H3260 Water courses of plain to montane levels with <i>R. fluitantis</i>	Unfavourable - No change	30/03/2010
Invert. assemblage W314 reed-fen & pools	-	-
Otter, <i>Lutra lutra</i>	Not Recorded	01/01/1900
Rivers and Streams	Not Recorded	01/01/1900
S1044 Southern damselfly, <i>Coenagrion mercuriale</i>	Unfavourable - No change	15/01/2007
S1096 Brook lamprey, <i>Lampetra planeri</i>	Unfavourable - No change	13/02/2019
S1106 Atlantic salmon, <i>Salmo salar</i>	Unfavourable - No change	15/01/2007
S1163 Bullhead, <i>Cottus gobio</i>	Favourable	15/01/2007
S1355 Otter, <i>Lutra lutra</i>	Unfavourable - Recovering	30/03/2010

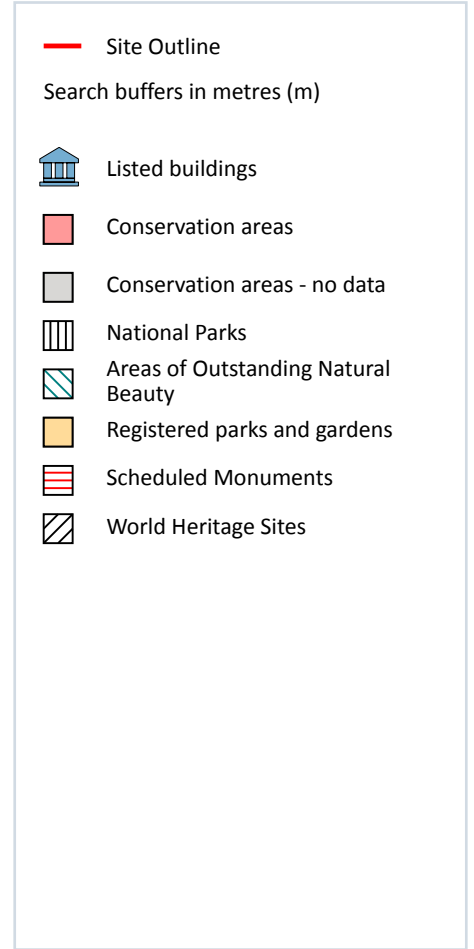
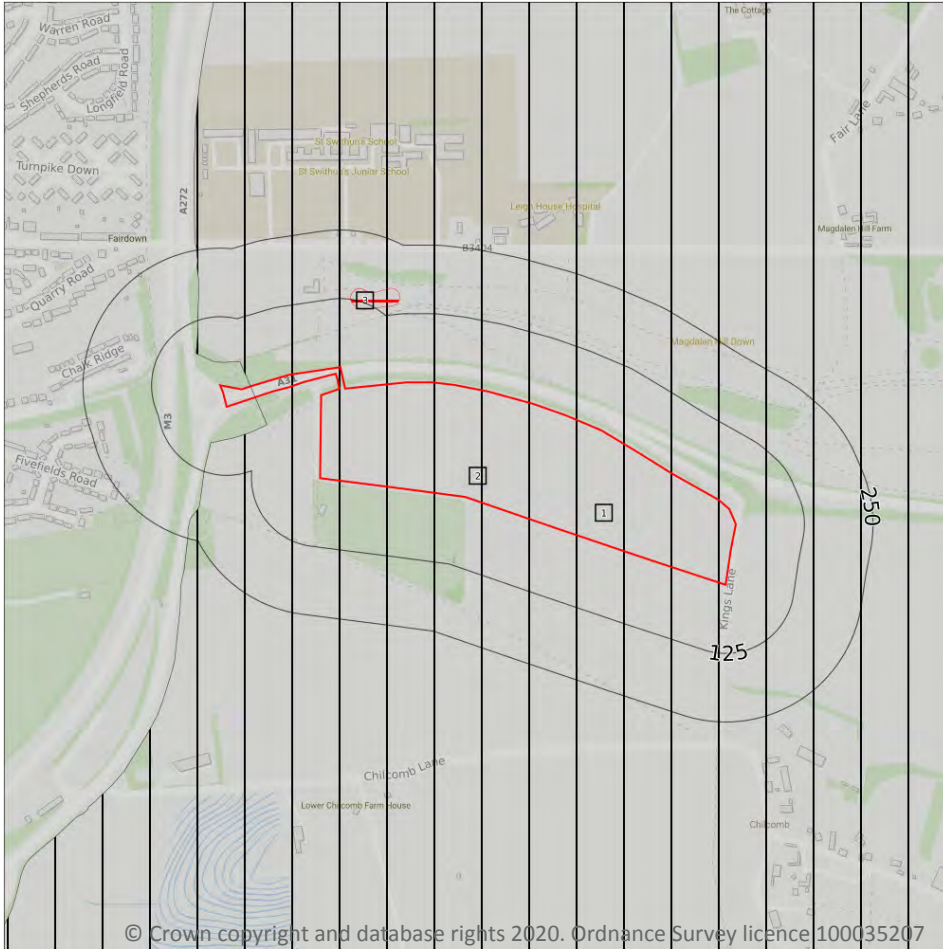
ID: 38
Location: 1837m NW
SSSI name: River Itchen
Unit name: Unit 125 (Formerly Part Of Unit 61 River Itchen)
Broad habitat: Neutral Grassland - Lowland
Condition: Unfavourable - Recovering
Reportable features:

Feature name	Feature condition	Date of assessment
Floodplain fen (lowland)	Unfavourable - Recovering	23/07/2013
Invert. assemblage W314 reed-fen & pools	-	-

This data is sourced from Natural England and Natural Resources Wales.



11 Visual and cultural designations



11.1 World Heritage Sites

Records within 250m

0

Sites designated for their globally important cultural or natural interest requiring appropriate management and protection measures. World Heritage Sites are designated to meet the UK's commitments under the World Heritage Convention.

This data is sourced from Historic England, Cadw and Historic Environment Scotland.

11.2 Area of Outstanding Natural Beauty

Records within 250m

0

Areas of Outstanding Natural Beauty (AONB) are conservation areas, chosen because they represent 18% of the finest countryside. Each AONB has been designated for special attention because of the quality of their flora, fauna, historical and cultural associations, and/or scenic views. The National Parks and Access to the Countryside Act of 1949 created AONBs and the Countryside and Rights of Way Act, 2000 added further regulation and protection. There are likely to be restrictions to some developments within these areas.

This data is sourced from Natural England, Natural Resources Wales and Scottish Natural Heritage.

11.3 National Parks

Records within 250m

1

In England and Wales, the purpose of National Parks is to conserve and enhance landscapes within the countryside whilst promoting public enjoyment of them and having regard for the social and economic well-being of those living within them. In Scotland National Parks have the additional purpose of promoting the sustainable use of the natural resources of the area and the sustainable social and economic development of its communities. The National Parks and Access to the Countryside Act 1949 established the National Park designation in England and Wales, and The National Parks (Scotland) Act 2000 in Scotland.

Features are displayed on the Visual and cultural designations map on **page 73**

ID	Location	Name	Data Source
1	On site	South Downs	Natural England

This data is sourced from Natural England, Natural Resources Wales and the Scottish Government.

11.4 Listed Buildings

Records within 250m

0

Buildings listed for their special architectural or historical interest. Building control in the form of 'listed building consent' is required in order to make any changes to that building which might affect its special interest. Listed buildings are graded to indicate their relative importance, however building controls apply to all buildings equally, irrespective of their grade, and apply to the interior and exterior of the building in its entirety, together with any curtilage structures.

This data is sourced from English Heritage, Cadw and Historic Environment Scotland.



11.5 Conservation Areas

Records within 250m

1

Local planning authorities are obliged to designate as conservation areas any parts of their own area that are of special architectural or historic interest, the character and appearance of which it is desirable to preserve or enhance. Designation of a conservation area gives broader protection than the listing of individual buildings. All the features within the area, listed or otherwise, are recognised as part of its character. Conservation area designation is the means of recognising the importance of all factors and of ensuring that planning decisions address the quality of the landscape in its broadest sense.

Features are displayed on the Visual and cultural designations map on **page 73**

ID	Location	Name	District	Date of designation
2	On site	The Local Authority for this area have not supplied conservation area data.		-

This data is sourced from English Heritage, Cadw and Historic Environment Scotland.

11.6 Scheduled Ancient Monuments

Records within 250m

1

A scheduled monument is an historic building or site that is included in the Schedule of Monuments kept by the Secretary of State for Digital, Culture, Media and Sport. The regime is set out in the Ancient Monuments and Archaeological Areas Act 1979. The Schedule of Monuments has c.20,000 entries and includes sites such as Roman remains, burial mounds, castles, bridges, earthworks, the remains of deserted villages and industrial sites. Monuments are not graded, but all are, by definition, considered to be of national importance.

Features are displayed on the Visual and cultural designations map on **page 73**

ID	Location	Ancient monument name	Reference number
3	113m N	Round barrow cemetery on Magdalen Hill Down	1016746

This data is sourced from English Heritage, Cadw and Historic Environment Scotland.

11.7 Registered Parks and Gardens

Records within 250m

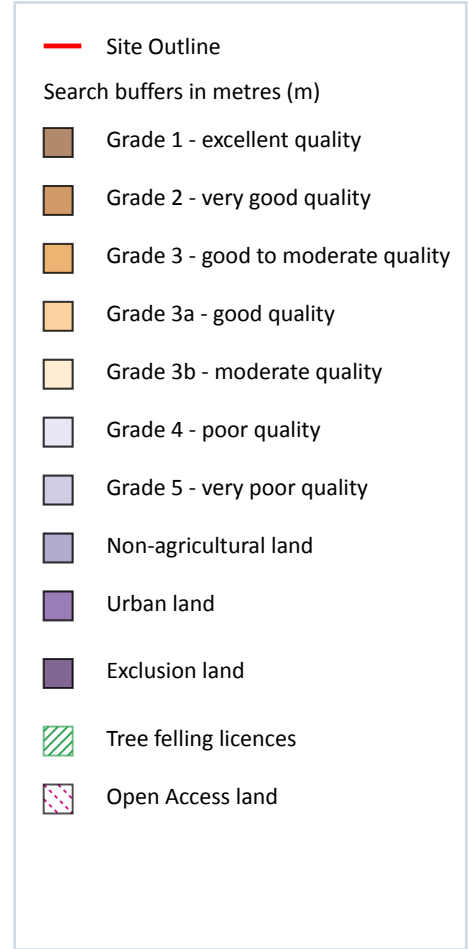
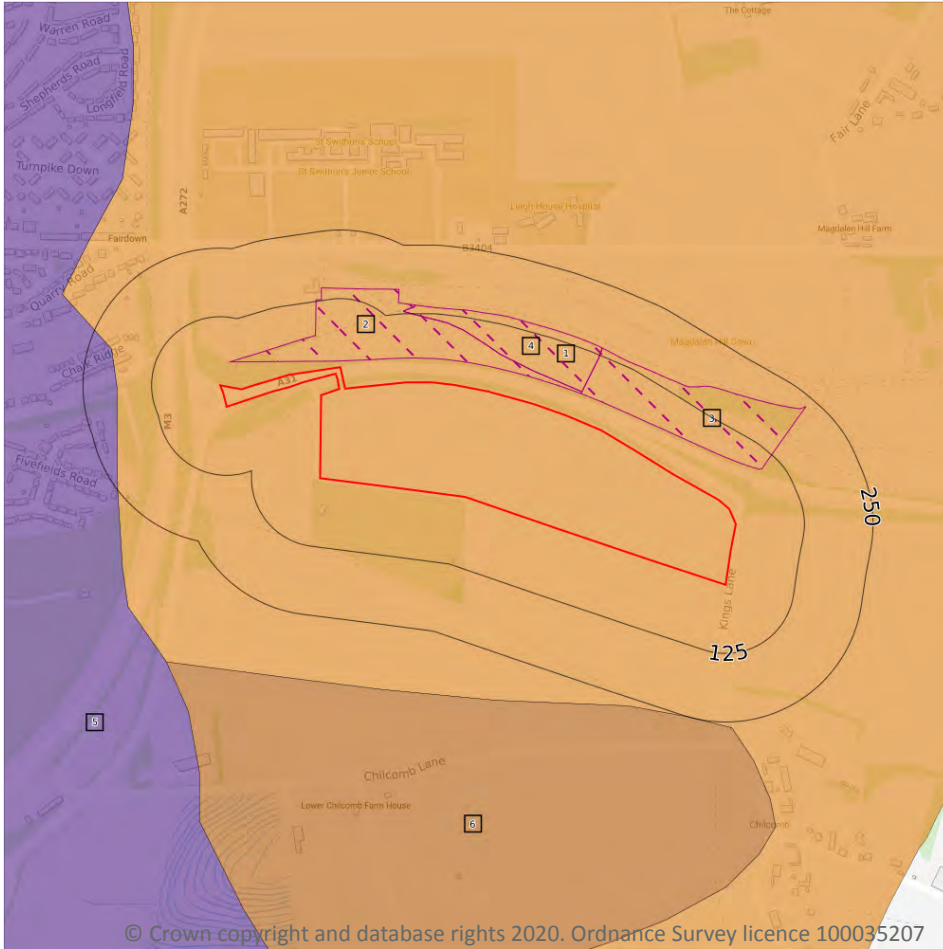
0

Parks and gardens assessed to be of particular interest and of special historic interest. The emphasis being on 'designed' landscapes, rather than on planting or botanical importance. Registration is a 'material consideration' in the planning process, meaning that planning authorities must consider the impact of any proposed development on the special character of the landscape.

This data is sourced from English Heritage, Cadw and Historic Environment Scotland.



12 Agricultural designations



12.1 Agricultural Land Classification

Records within 250m

3

Classification of the quality of agricultural land taking into consideration multiple factors including climate, physical geography and soil properties. It should be noted that the categories for the grading of agricultural land are not consistent across England, Wales and Scotland.

Features are displayed on the Agricultural designations map on **page 76**

ID	Location	Classification	Description
1	On site	Grade 3	Good to moderate quality agricultural land. Land with moderate limitations which affect the choice of crops, timing and type of cultivation, harvesting or the level of yield. Where more demanding crops are grown yields are generally lower or more variable than on land in Grades 1 and 2.
5	188m W	Urban	-

ID	Location	Classification	Description
6	250m S	Grade 2	Very good quality agricultural land. Land with minor limitations which affect crop yield, cultivations or harvesting. A wide range of agricultural and horticultural crops can usually be grown but on some land in the grade there may be reduced flexibility due to difficulties with the production of the more demanding crops such as winter harvested vegetables and arable root crops. The level of yield is generally high but may be lower or more variable than Grade 1.

This data is sourced from Natural England.

12.2 Open Access Land

Records within 250m

3

The Countryside and Rights of Way Act 2000 (CROW Act) gives a public right of access to land without having to use paths. Access land includes mountains, moors, heaths and downs that are privately owned. It also includes common land registered with the local council and some land around the England Coast Path. Generally permitted activities on access land are walking, running, watching wildlife and climbing.

Features are displayed on the Agricultural designations map on **page 76**

ID	Location	Name	Classification	Other relevant legislation
2	11m N	-	Section 4 Conclusive Open Country	-
3	47m NE	-	Section 4 Conclusive Open Country	-
4	51m NE	-	Section 4 Conclusive Open Country	-

This data is sourced from Natural England and Natural Resources Wales.

12.3 Tree Felling Licences

Records within 250m

0

Felling Licence Application (FLA) areas approved by Forestry Commission England. Anyone wishing to fell trees must ensure that a licence or permission under a grant scheme has been issued by the Forestry Commission before any felling is carried out or that one of the exceptions apply.

This data is sourced from the Forestry Commission.



12.4 Environmental Stewardship Schemes

Records within 250m

0

Environmental Stewardship covers a range of schemes that provide financial incentives to farmers, foresters and land managers to look after and improve the environment.

This data is sourced from Natural England.

12.5 Countryside Stewardship Schemes

Records within 250m

1

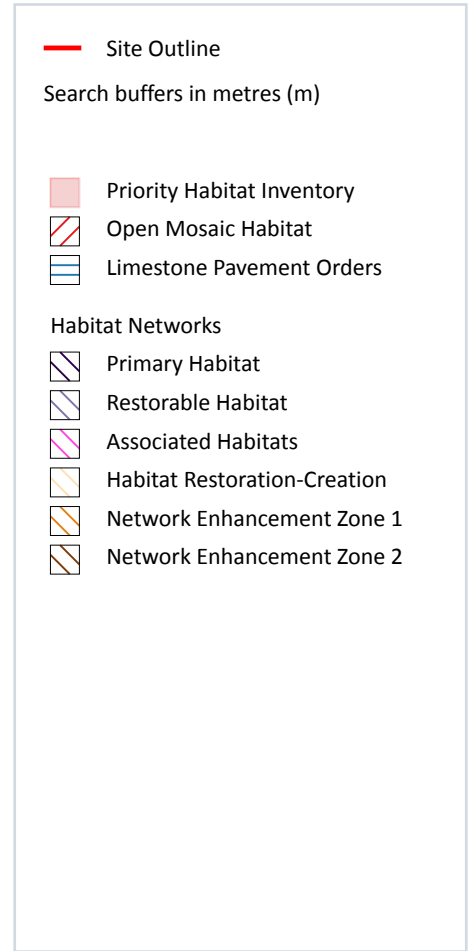
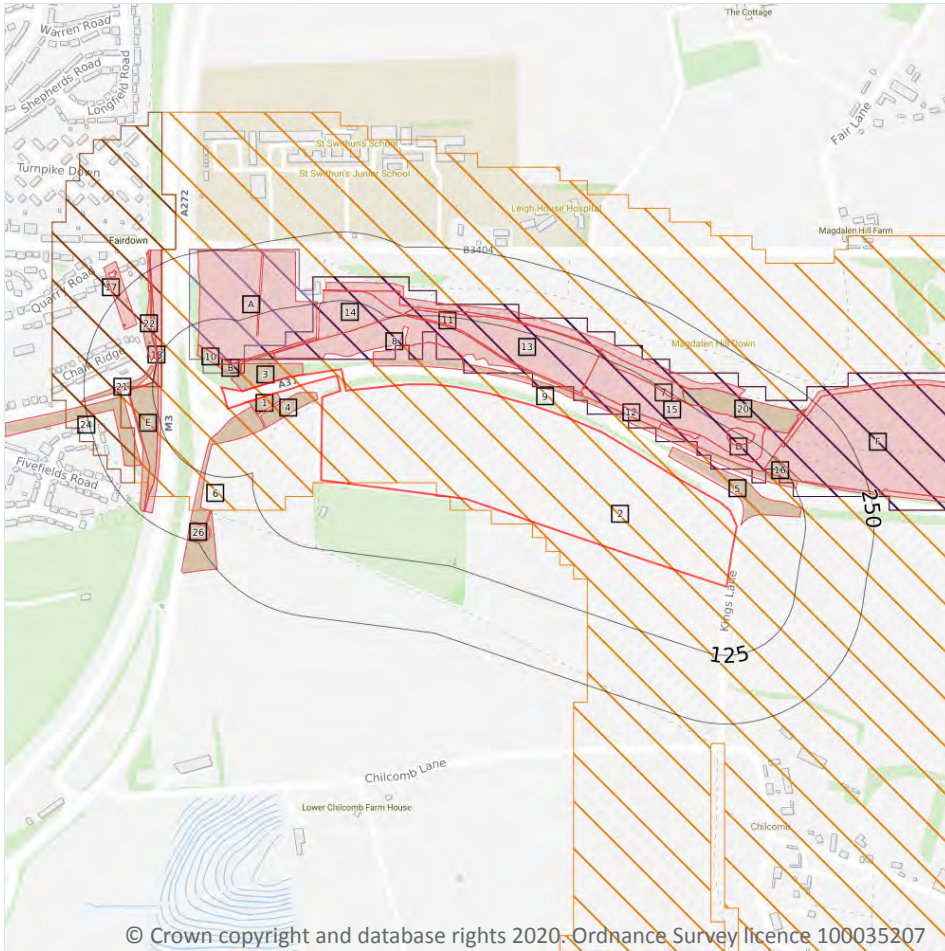
Countryside Stewardship covers a range of schemes that provide financial incentives to farmers, foresters and land managers to look after and improve the environment. Main objectives are to improve the farmed environment for wildlife and to reduce diffuse water pollution.

Location	Reference	Scheme	Start Date	End Date
11m NE	494655	Countryside Stewardship (Higher Tier)	01/01/2016	31/12/2025

This data is sourced from Natural England.



13 Habitat designations



13.1 Priority Habitat Inventory

Records within 250m

33

Habitats of principal importance as named under Natural Environment and Rural Communities Act (2006) Section 41.

Features are displayed on the Habitat designations map on **page 79**

ID	Location	Main Habitat	Other habitats
1	On site	Deciduous woodland	Main habitat: DWOOD (INV > 50%)
3	On site	Deciduous woodland	Main habitat: DWOOD (INV > 50%)
4	8m W	Deciduous woodland	Main habitat: DWOOD (INV > 50%)
5	8m E	Deciduous woodland	Main habitat: DWOOD (INV > 50%)

ID	Location	Main Habitat	Other habitats
6	10m S	Deciduous woodland	Main habitat: DWOOD (INV > 50%)
8	24m N	Lowland calcareous grassland	Main habitat: LCGRA (INV > 50%)
C	30m N	Deciduous woodland	Main habitat: DWOOD (INV > 50%)
B	30m N	Deciduous woodland	Main habitat: DWOOD (INV > 50%)
9	31m N	Deciduous woodland	Main habitat: DWOOD (INV > 50%)
10	42m N	Good quality semi-improved grassland	Main habitat: GQSIG (FEP + HLS); Additional: LCGRA (FEP 50%)
A	45m N	Good quality semi-improved grassland	Main habitat: GQSIG (FEP + HLS); Additional: LCGRA (FEP 50%)
C	45m N	Lowland calcareous grassland	Main habitat: LCGRA (INV > 50%)
11	47m NE	Lowland calcareous grassland	Main habitat: LCGRA (INV > 50%)
12	47m NE	Lowland calcareous grassland	Main habitat: LCGRA (FEP + HLS)
13	51m NE	Lowland calcareous grassland	Main habitat: LCGRA (INV > 50%)
D	58m NE	Lowland calcareous grassland	Main habitat: DWOOD (INV > 50%); LCGRA (FEP + HLS)
14	59m N	Lowland calcareous grassland	Main habitat: LCGRA (INV > 50%)
15	60m NE	Lowland calcareous grassland	Main habitat: LCGRA (INV > 50%, FEP + HLS)
16	94m NE	Deciduous woodland	Main habitat: DWOOD (INV > 50%); GQSIG (FEP + HLS); Additional: LCGRA (FEP 50%)
D	104m NE	Lowland calcareous grassland	Main habitat: LCGRA (FEP + HLS)
18	109m W	Deciduous woodland	Main habitat: DWOOD (INV > 50%)
E	115m W	Deciduous woodland	Main habitat: DWOOD (INV > 50%)
19	117m NE	Lowland calcareous grassland	Main habitat: LCGRA (INV > 50%, FEP + HLS)
E	123m W	Deciduous woodland	Main habitat: DWOOD (INV > 50%)
20	125m NE	Lowland calcareous grassland	Main habitat: LCGRA (INV > 50%, FEP + HLS); Additional: DWOOD (INV 50%)
21	128m W	Deciduous woodland	Main habitat: DWOOD (INV > 50%)
F	128m NE	Lowland calcareous grassland	Main habitat: LCGRA (INV > 50%); GQSIG (FEP + HLS)
22	134m NW	Deciduous woodland	Main habitat: DWOOD (INV > 50%)
23	135m NE	Lowland calcareous grassland	Main habitat: LCGRA (INV > 50%)
F	142m NE	Lowland calcareous grassland	Main habitat: LCGRA (INV > 50%)
24	177m W	Deciduous woodland	Main habitat: DWOOD (INV > 50%)



ID	Location	Main Habitat	Other habitats
25	192m NW	No main habitat but additional habitats present	Main habitat: DWOOD (INV > 50%)
26	218m S	Deciduous woodland	Main habitat: DWOOD (INV > 50%)

This data is sourced from Natural England.

13.2 Habitat Networks

Records within 250m

5

Habitat networks for 18 priority habitat networks (based primarily, but not exclusively, on the priority habitat inventory) and areas suitable for the expansion of networks through restoration and habitat creation.

Features are displayed on the Habitat designations map on **page 79**

ID	Location	Type	Habitat
2	On site	Network Enhancement Zone 1	Not specified
7	18m N	Primary Habitat	Lowland calcareous grassland
A	26m N	Restorable Habitat	Not specified
B	29m N	Primary Habitat	Lowland calcareous grassland
17	108m W	Network Enhancement Zone 2	Not specified

This data is sourced from Natural England.

13.3 Open Mosaic Habitat

Records within 250m

0

Sites verified as Open Mosaic Habitat. Mosaic habitats are brownfield sites that are identified under the UK Biodiversity Action Plan as a priority habitat due to the habitat variation within a single site, supporting an array of invertebrates.

This data is sourced from Natural England.

13.4 Limestone Pavement Orders

Records within 250m

0

Limestone pavements are outcrops of limestone where the surface has been worn away by natural means over millennia. These rocks have the appearance of paving blocks, hence their name. Not only do they have geological interest, they also provide valuable habitats for wildlife. These habitats are threatened due to their removal for use in gardens and water features. Many limestone pavements have been designated as SSSIs

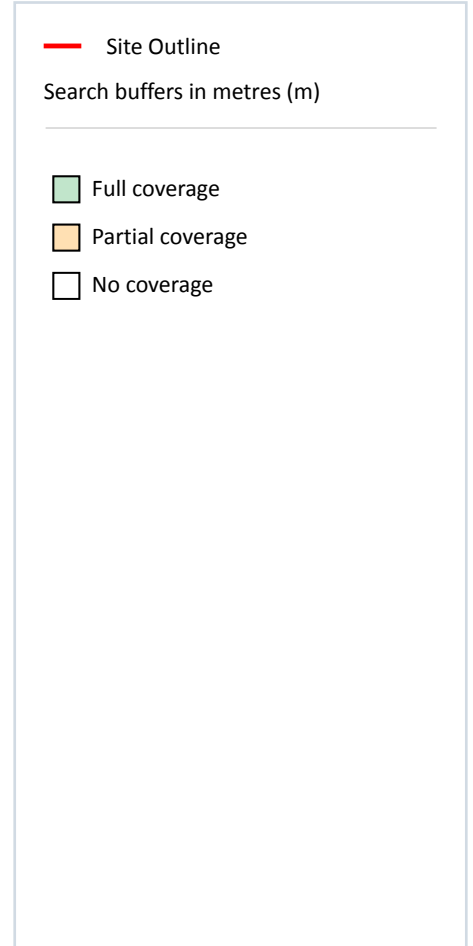


which affords them some protection. In addition, Section 34 of the Wildlife and Countryside Act 1981 gave them additional protection via the creation of Limestone Pavement Orders, which made it a criminal offence to remove any part of the outcrop. The associated Limestone Pavement Priority Habitat is part of the UK Biodiversity Action Plan priority habitat in England.

This data is sourced from Natural England.



14 Geology 1:10,000 scale - Availability



14.1 10k Availability

Records within 500m

2

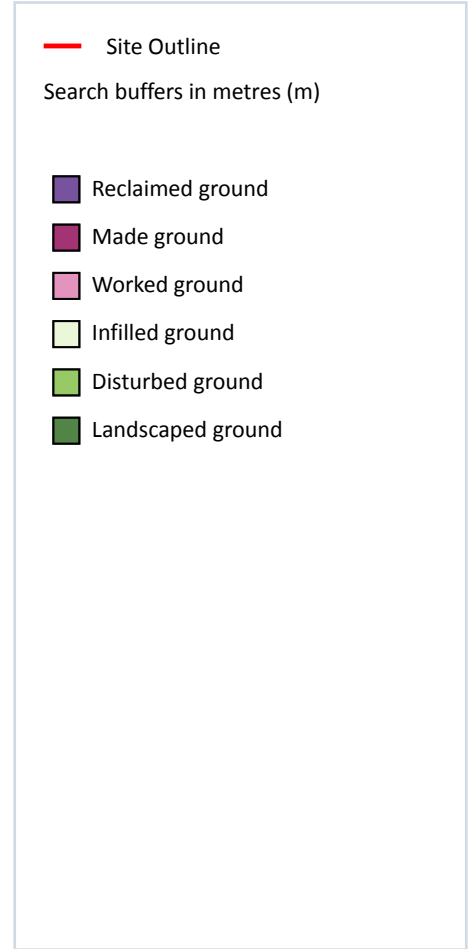
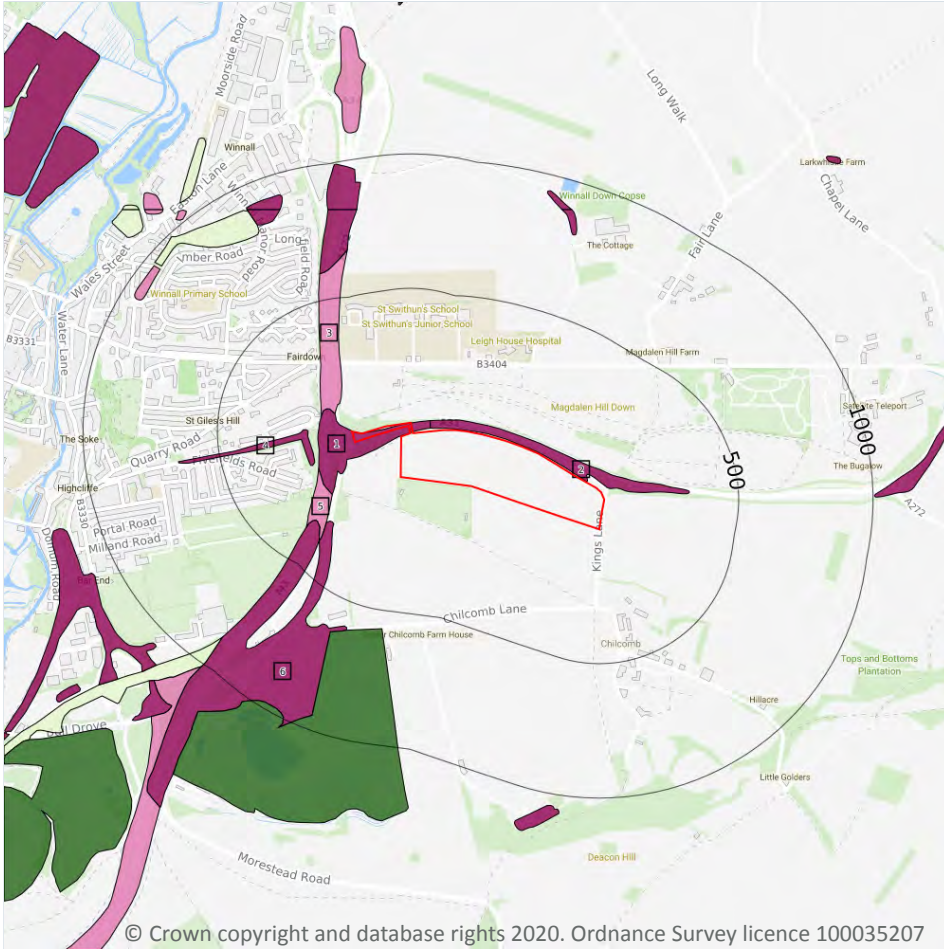
An indication on the coverage of 1:10,000 scale geology data for the site, the most detailed dataset provided by the British Geological Survey. Either 'Full', 'Partial' or 'No coverage' for each geological theme.

Features are displayed on the Geology 1:10,000 scale - Availability map on **page 83**

ID	Location	Artificial	Superficial	Bedrock	Mass movement	Sheet No.
1	On site	Full	Full	Full	No coverage	SU52NW
2	On site	Full	Full	Full	No coverage	SU42NE

This data is sourced from the British Geological Survey.

Geology 1:10,000 scale - Artificial and made ground



14.2 Artificial and made ground (10k)

Records within 500m

6

Details of made, worked, infilled, disturbed and landscaped ground at 1:10,000 scale. Artificial ground can be associated with potentially contaminated material, unpredictable engineering conditions and instability.

Features are displayed on the Geology 1:10,000 scale - Artificial and made ground map on **page 84**

ID	Location	LEX Code	Description	Rock description
1	On site	MGR-ARTDP	Made Ground (Undivided)	Artificial Deposit
2	3m NE	MGR-UNKNOWN	Made Ground (Undivided)	Unknown/unclassified Entry
3	92m NW	WGR-VOID	Worked Ground (Undivided)	Void
4	161m W	MGR-ARTDP	Made Ground (Undivided)	Artificial Deposit

ID	Location	LEX Code	Description	Rock description
5	168m SW	WGR-VOID	Worked Ground (Undivided)	Void
6	304m SW	MGR-ARTDP	Made Ground (Undivided)	Artificial Deposit

This data is sourced from the British Geological Survey.



Geology 1:10,000 scale - Superficial



- Site Outline
- Search buffers in metres (m)
- Landslip (10k)
- Superficial geology (10k)
Please see table for more details.

14.3 Superficial geology (10k)

Records within 500m

3

Superficial geological deposits at 1:10,000 scale. Also known as 'drift', these are the youngest geological deposits, formed during the Quaternary. They rest on older deposits or rocks referred to as bedrock.

Features are displayed on the Geology 1:10,000 scale - Superficial map on **page 86**

ID	Location	LEX Code	Description	Rock description
1	On site	HEAD-DMTN	Head - Diamicton	Diamicton
2	On site	HEAD-DMTN	Head - Diamicton	Diamicton



ID	Location	LEX Code	Description	Rock description
3	434m S	HEAD-DMTN	Head - Diamicton	Diamicton

This data is sourced from the British Geological Survey.

14.4 Landslip (10k)

Records within 500m

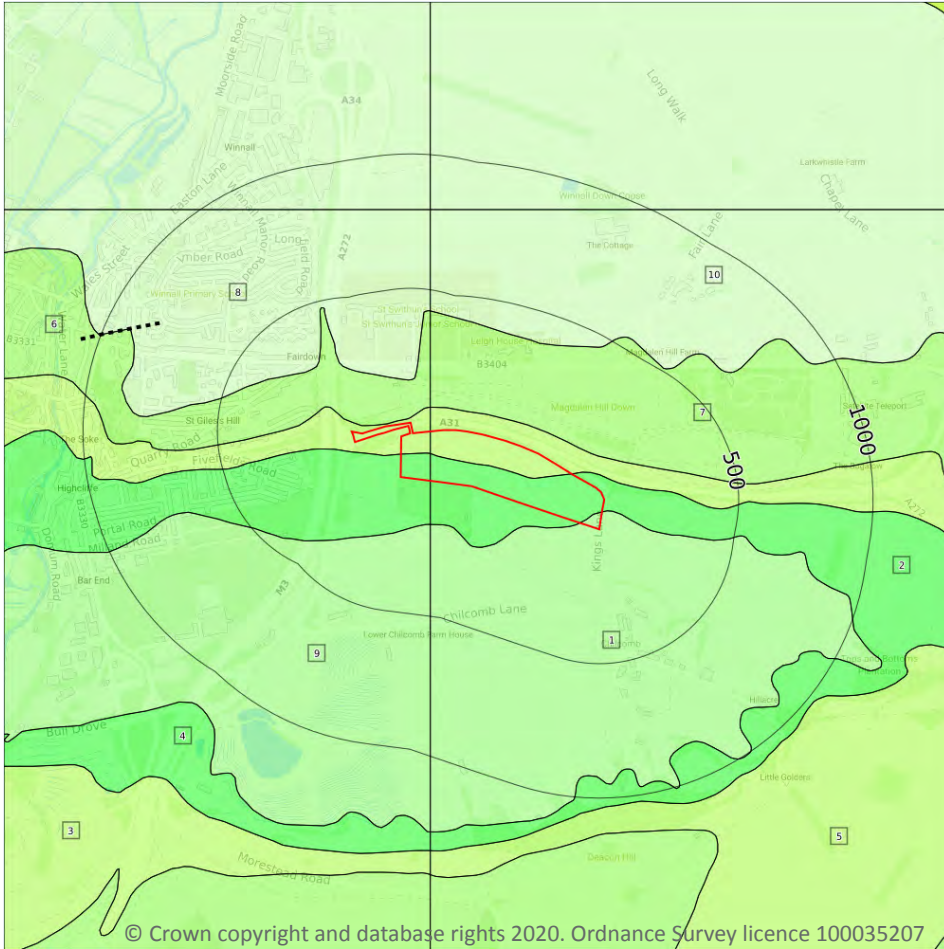
0

Mass movement deposits on BGS geological maps at 1:10,000 scale. Primarily superficial deposits that have moved down slope under gravity to form landslips. These affect bedrock, other superficial deposits and artificial ground.

This data is sourced from the British Geological Survey.



Geology 1:10,000 scale - Bedrock



- Site Outline
- Search buffers in metres (m)
- Bedrock faults and other linear features (10k)
- Bedrock geology (10k)
Please see table for more details.

14.5 Bedrock geology (10k)

Records within 500m

10

Bedrock geology at 1:10,000 scale. The main mass of rocks forming the Earth and present everywhere, whether exposed at the surface in outcrops or concealed beneath superficial deposits or water.

Features are displayed on the Geology 1:10,000 scale - Bedrock map on **page 88**

ID	Location	LEX Code	Description	Rock age
1	On site	ZZCH-CHLK	Zig Zag Chalk Formation - Chalk	Cenomanian Age
2	On site	HCK-CHLK	Holywell Nodular Chalk Formation - Chalk	Turonian Age - Cenomanian Age
3	On site	NPCH-CHLK	New Pit Chalk Formation - Chalk	Turonian Age
4	On site	HCK-CHLK	Holywell Nodular Chalk Formation - Chalk	Turonian Age - Cenomanian Age



ID	Location	LEX Code	Description	Rock age
5	On site	NPCH-CHLK	New Pit Chalk Formation - Chalk	Turonian Age
6	9m N	LECH-CHLK	Lewes Nodular Chalk Formation - Chalk	Coniacian Age - Turonian Age
7	74m N	LECH-CHLK	Lewes Nodular Chalk Formation - Chalk	Coniacian Age - Turonian Age
8	159m N	SECK-CHLK	Seaford Chalk Formation - Chalk	Santonian Age - Coniacian Age
9	161m S	ZZCH-CHLK	Zig Zag Chalk Formation - Chalk	Cenomanian Age
10	384m N	SECK-CHLK	Seaford Chalk Formation - Chalk	Santonian Age - Coniacian Age

This data is sourced from the British Geological Survey.

14.6 Bedrock faults and other linear features (10k)

Records within 500m

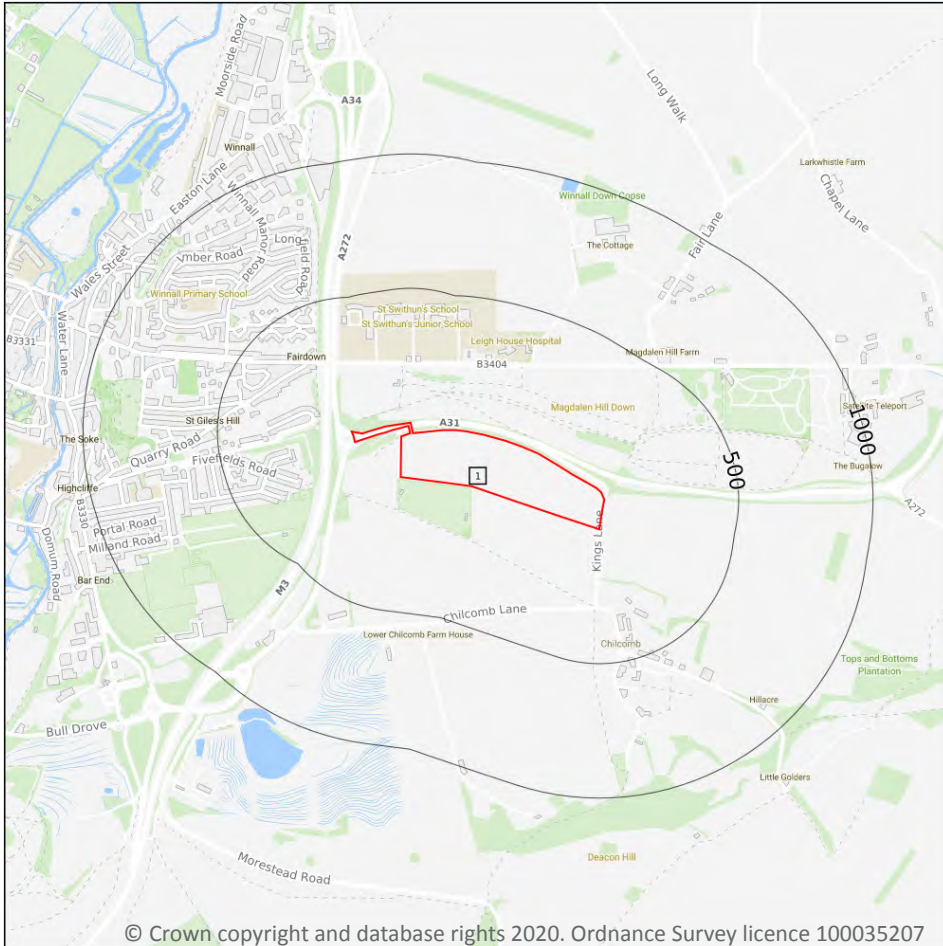
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Linear features at the ground or bedrock surface at 1:10,000 scale of six main types; rock, fault, fold axis, mineral vein, alteration area or landform. Features are either observed or inferred, and relate primarily to bedrock.

This data is sourced from the British Geological Survey.



15 Geology 1:50,000 scale - Availability



— Site Outline

Search buffers in metres (m)

Geological map tile

15.1 50k Availability

Records within 500m

1

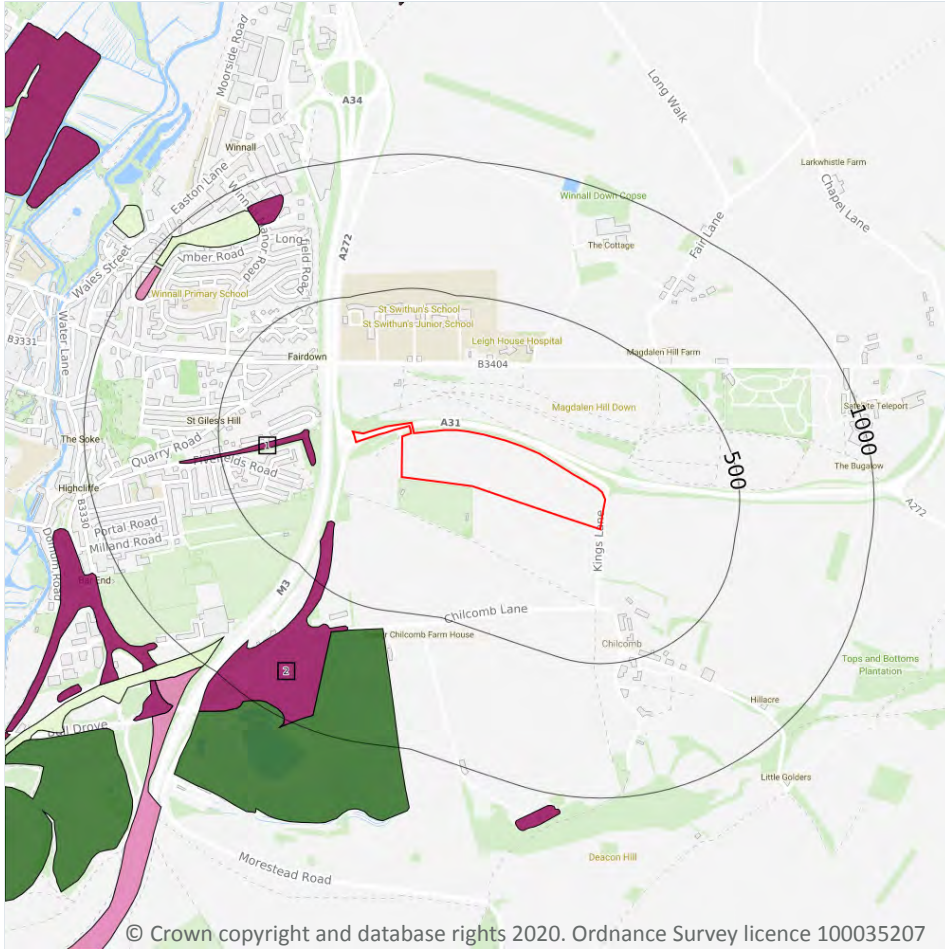
An indication on the coverage of 1:50,000 scale geology data for the site. Either 'Full' or 'No coverage' for each geological theme.

Features are displayed on the Geology 1:50,000 scale - Availability map on **page 90**

ID	Location	Artificial	Superficial	Bedrock	Mass movement	Sheet No.
1	On site	Full	Full	Full	No coverage	EW299_winchester_v4

This data is sourced from the British Geological Survey.

Geology 1:50,000 scale - Artificial and made ground



15.2 Artificial and made ground (50k)

Records within 500m

2

Details of made, worked, infilled, disturbed and landscaped ground at 1:50,000 scale. Artificial ground can be associated with potentially contaminated material, unpredictable engineering conditions and instability.

Features are displayed on the Geology 1:50,000 scale - Artificial and made ground map on **page 91**

ID	Location	LEX Code	Description	Rock description
1	160m W	MGR-ARTDP	MADE GROUND (UNDIVIDED)	ARTIFICIAL DEPOSIT
2	304m SW	MGR-ARTDP	MADE GROUND (UNDIVIDED)	ARTIFICIAL DEPOSIT

This data is sourced from the British Geological Survey.

15.3 Artificial ground permeability (50k)

Records within 50m

0

A qualitative classification of estimated rates of vertical movement of water from the ground surface through the unsaturated zone of any artificial deposits (the zone between the land surface and the water table).

This data is sourced from the British Geological Survey.



Geology 1:50,000 scale - Superficial



— Site Outline

Search buffers in metres (m)

▨ Landslip (50k)

Superficial geology (50k)
Please see table for more details.

15.4 Superficial geology (50k)

Records within 500m

2

Superficial geological deposits at 1:50,000 scale. Also known as 'drift', these are the youngest geological deposits, formed during the Quaternary. They rest on older deposits or rocks referred to as bedrock.

Features are displayed on the Geology 1:50,000 scale - Superficial map on **page 93**

ID	Location	LEX Code	Description	Rock description
1	On site	HEAD- XCZSV	HEAD	CLAY, SILT, SAND AND GRAVEL
2	434m S	HEAD- XCZSV	HEAD	CLAY, SILT, SAND AND GRAVEL

This data is sourced from the British Geological Survey.



15.5 Superficial permeability (50k)

Records within 50m	2
---------------------------	----------

A qualitative classification of estimated rates of vertical movement of water from the ground surface through the unsaturated zone of any superficial deposits (the zone between the land surface and the water table).

Location	Flow type	Maximum permeability	Minimum permeability
On site	Mixed	High	Very Low
On site	Mixed	High	Very Low

This data is sourced from the British Geological Survey.

15.6 Landslip (50k)

Records within 500m	0
----------------------------	----------

Mass movement deposits on BGS geological maps at 1:50,000 scale. Primarily superficial deposits that have moved down slope under gravity to form landslips. These affect bedrock, other superficial deposits and artificial ground.

This data is sourced from the British Geological Survey.

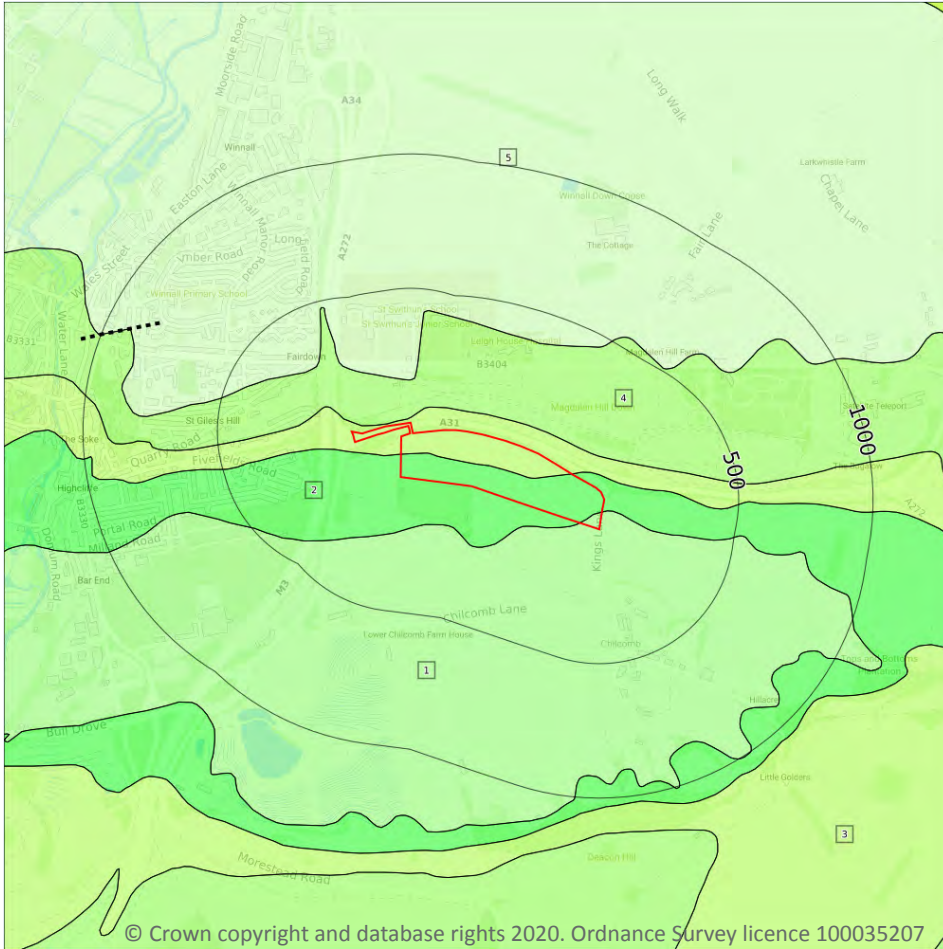
15.7 Landslip permeability (50k)

Records within 50m	0
---------------------------	----------

A qualitative classification of estimated rates of vertical movement of water from the ground surface through the unsaturated zone of any landslip deposits (the zone between the land surface and the water table).

This data is sourced from the British Geological Survey.

Geology 1:50,000 scale - Bedrock



— Site Outline

Search buffers in metres (m)

..... Bedrock faults and other linear features (50k)

Bedrock geology (50k)
Please see table for more details.

15.8 Bedrock geology (50k)

Records within 500m

5

Bedrock geology at 1:50,000 scale. The main mass of rocks forming the Earth and present everywhere, whether exposed at the surface in outcrops or concealed beneath superficial deposits or water.

Features are displayed on the Geology 1:50,000 scale - Bedrock map on **page 95**

ID	Location	LEX Code	Description	Rock age
1	On site	ZZCH-CHLK	ZIG ZAG CHALK FORMATION - CHALK	CENOMANIAN
2	On site	HCK-CHLK	HOLYWELL NODULAR CHALK FORMATION - CHALK	CENOMANIAN
3	On site	NPCH-CHLK	NEW PIT CHALK FORMATION - CHALK	TURONIAN
4	9m N	LECH-CHLK	LEWES NODULAR CHALK FORMATION - CHALK	TURONIAN

ID	Location	LEX Code	Description	Rock age
5	159m N	SECK-CHLK	SEAFORD CHALK FORMATION - CHALK	CONIACIAN

This data is sourced from the British Geological Survey.

15.9 Bedrock permeability (50k)

Records within 50m	6
---------------------------	----------

A qualitative classification of estimated rates of vertical movement of water from the ground surface through the unsaturated zone of bedrock (the zone between the land surface and the water table).

Location	Flow type	Maximum permeability	Minimum permeability
On site	Fracture	Very High	Very High
On site	Fracture	Very High	Very High
On site	Fracture	Very High	Very High
On site	Fracture	Very High	Very High
On site	Fracture	Very High	Very High
9m W	Fracture	Very High	Very High

This data is sourced from the British Geological Survey.

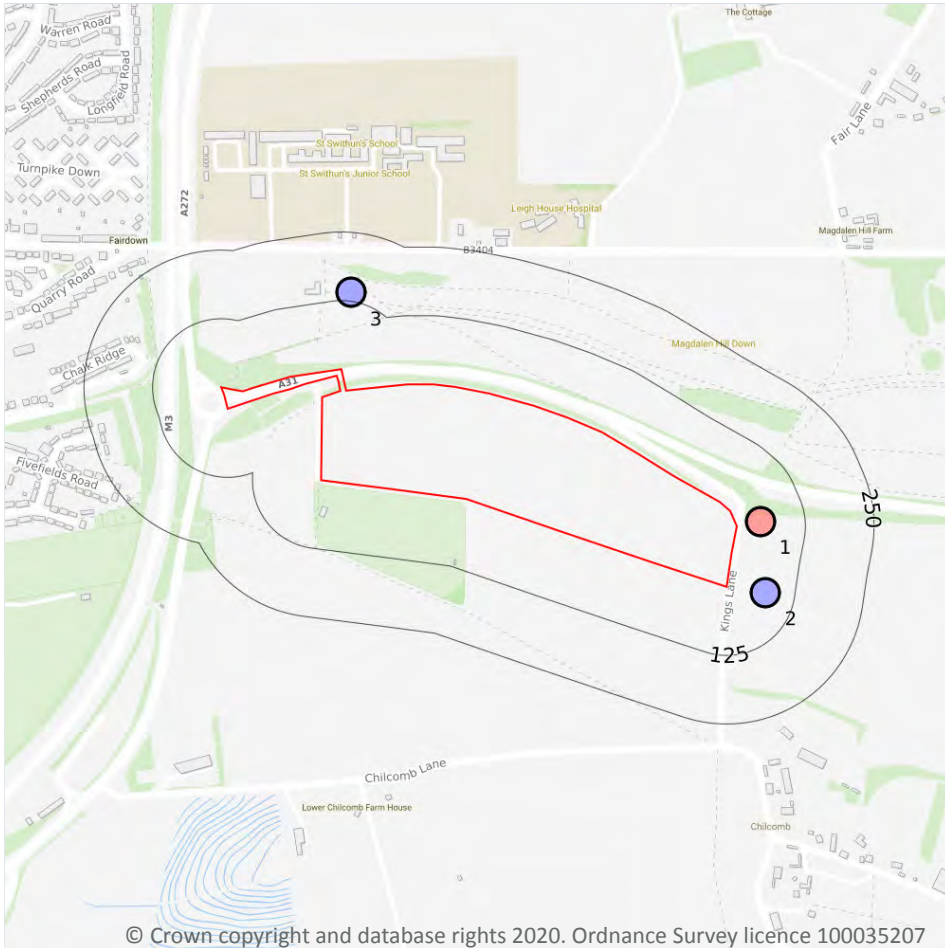
15.10 Bedrock faults and other linear features (50k)

Records within 500m	0
----------------------------	----------

Linear features at the ground or bedrock surface at 1:50,000 scale of six main types; rock, fault, fold axis, mineral vein, alteration area or landform. Features are either observed or inferred, and relate primarily to bedrock.

This data is sourced from the British Geological Survey.

16 Boreholes



— Site Outline
Search buffers in metres (m)

- Confidential
- 0 - 10m
- 10 - 30m
- 30m+
- Unknown

16.1 BGS Boreholes

Records within 250m

3

The Single Onshore Boreholes Index (SOBI); an index of over one million records of boreholes, shafts and wells from all forms of drilling and site investigation work held by the British Geological Survey. Covering onshore and nearshore boreholes dating back to at least 1790 and ranging from one to several thousand metres deep.

Features are displayed on the Boreholes map on **page 97**

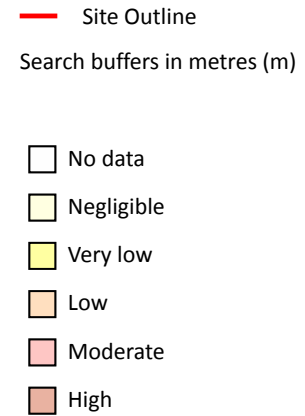
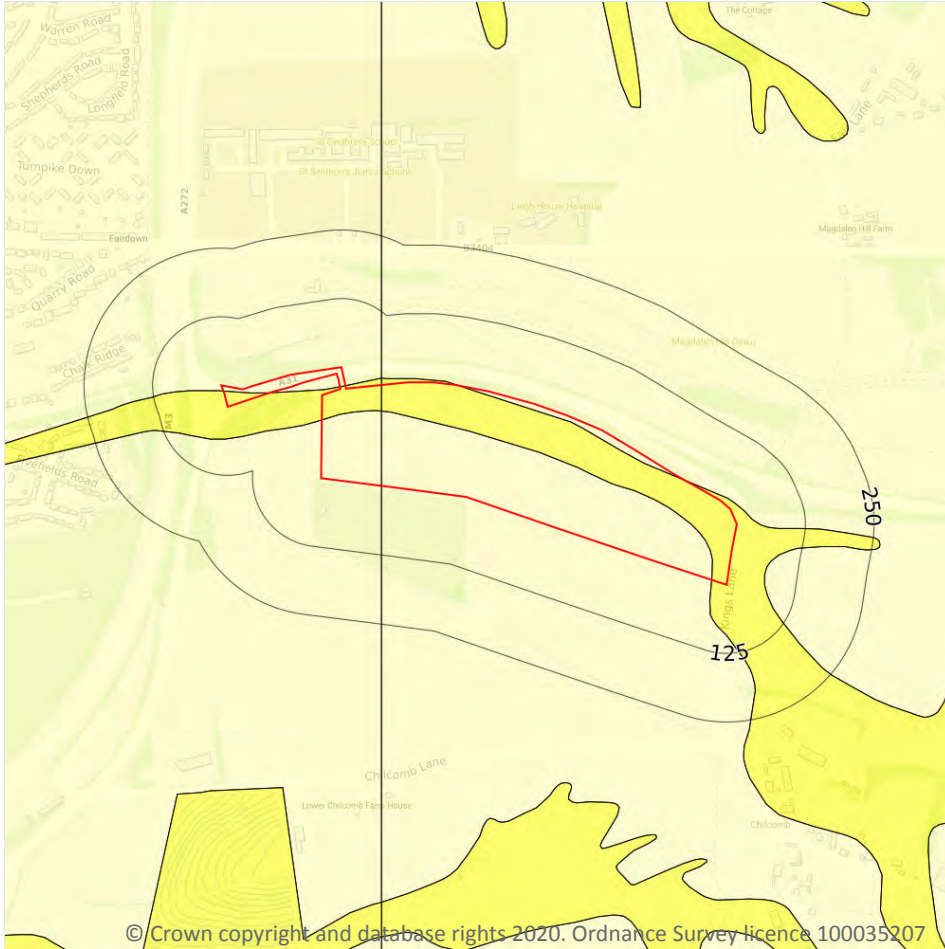
ID	Location	Grid reference	Name	Length	Confidential	Web link
1	44m E	450690 128930	THE GAS COUNCIL NO.GW2 WINCHESTER	142.03	N	416666
2	72m E	450700 128800	OLD RECTORY CHILCOMB	-2.0	N	416702
3	141m N	449944 129347	M3 POPHAM TO COMPTON TP820	8.0	N	411987



This data is sourced from the British Geological Survey.



17 Natural ground subsidence - Shrink swell clays



17.1 Shrink swell clays

Records within 50m

2

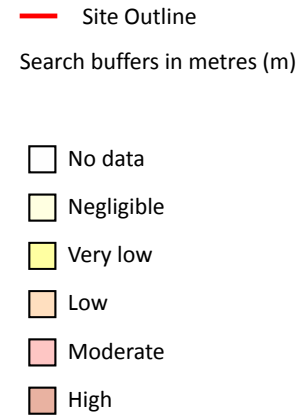
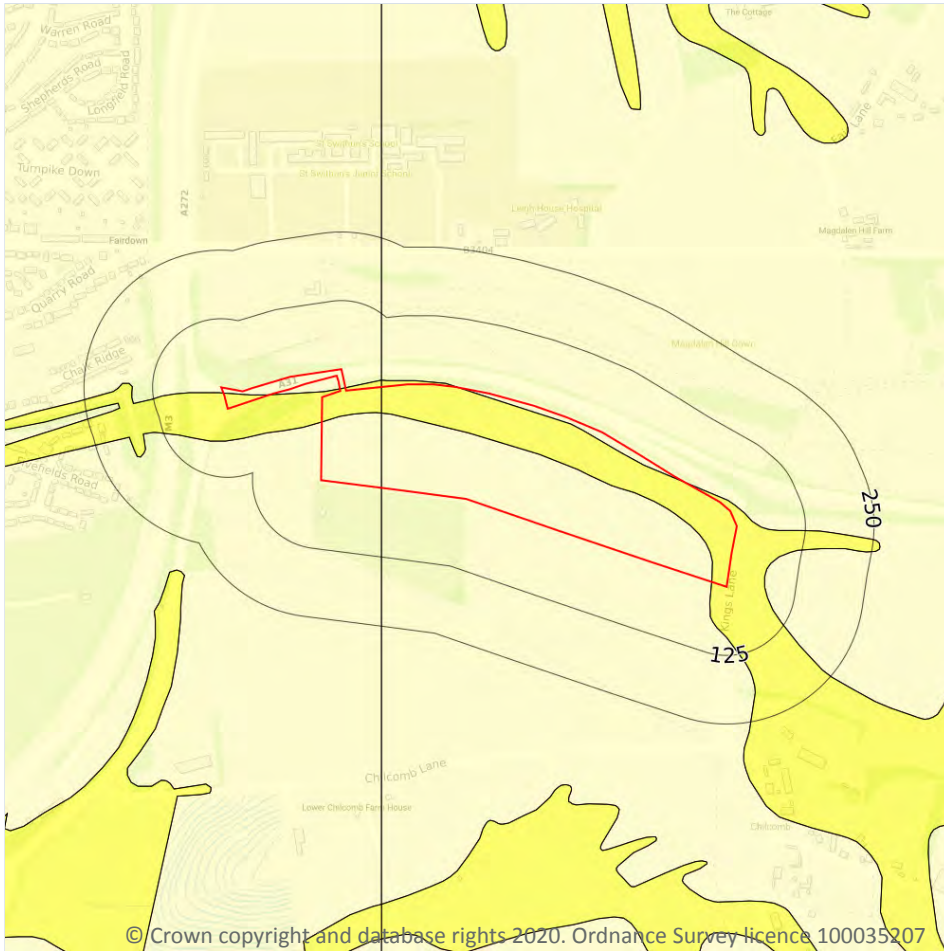
The potential hazard presented by soils that absorb water when wet (making them swell), and lose water as they dry (making them shrink). This shrink-swell behaviour is controlled by the type and amount of clay in the soil, and by seasonal changes in the soil moisture content (related to rainfall and local drainage).

Features are displayed on the Natural ground subsidence - Shrink swell clays map on **page 99**

Location	Hazard rating	Details
On site	Negligible	Ground conditions predominantly non-plastic.
On site	Very low	Ground conditions predominantly low plasticity.

This data is sourced from the British Geological Survey.

Natural ground subsidence - Running sands



17.2 Running sands

Records within 50m

2

The potential hazard presented by rocks that can contain loosely-packed sandy layers that can become fluidised by water flowing through them. Such sands can 'run', removing support from overlying buildings and causing potential damage.

Features are displayed on the Natural ground subsidence - Running sands map on **page 100**

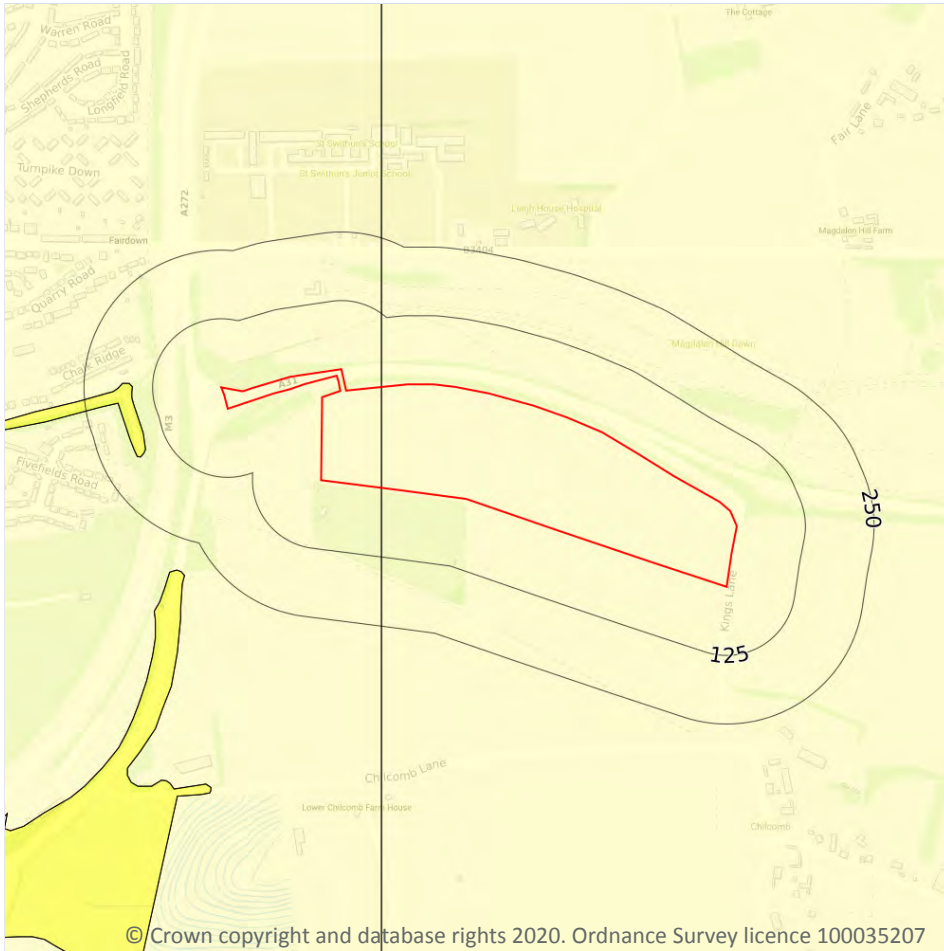
Location	Hazard rating	Details
On site	Negligible	Running sand conditions are not thought to occur whatever the position of the water table. No identified constraints on lands use due to running conditions.

Location	Hazard rating	Details
On site	Very low	Running sand conditions are unlikely. No identified constraints on land use due to running conditions unless water table rises rapidly.

This data is sourced from the British Geological Survey.



Natural ground subsidence - Compressible deposits



— Site Outline
Search buffers in metres (m)

- No data
- Negligible
- Very low
- Low
- Moderate
- High

17.3 Compressible deposits

Records within 50m

1

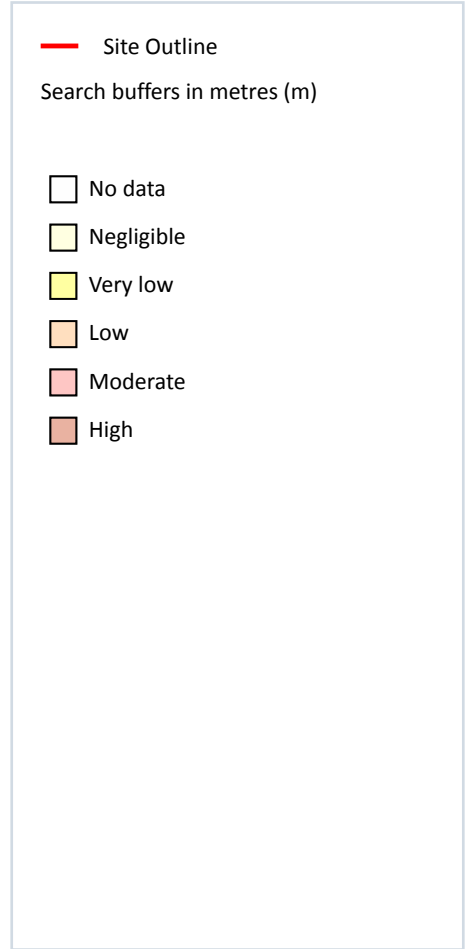
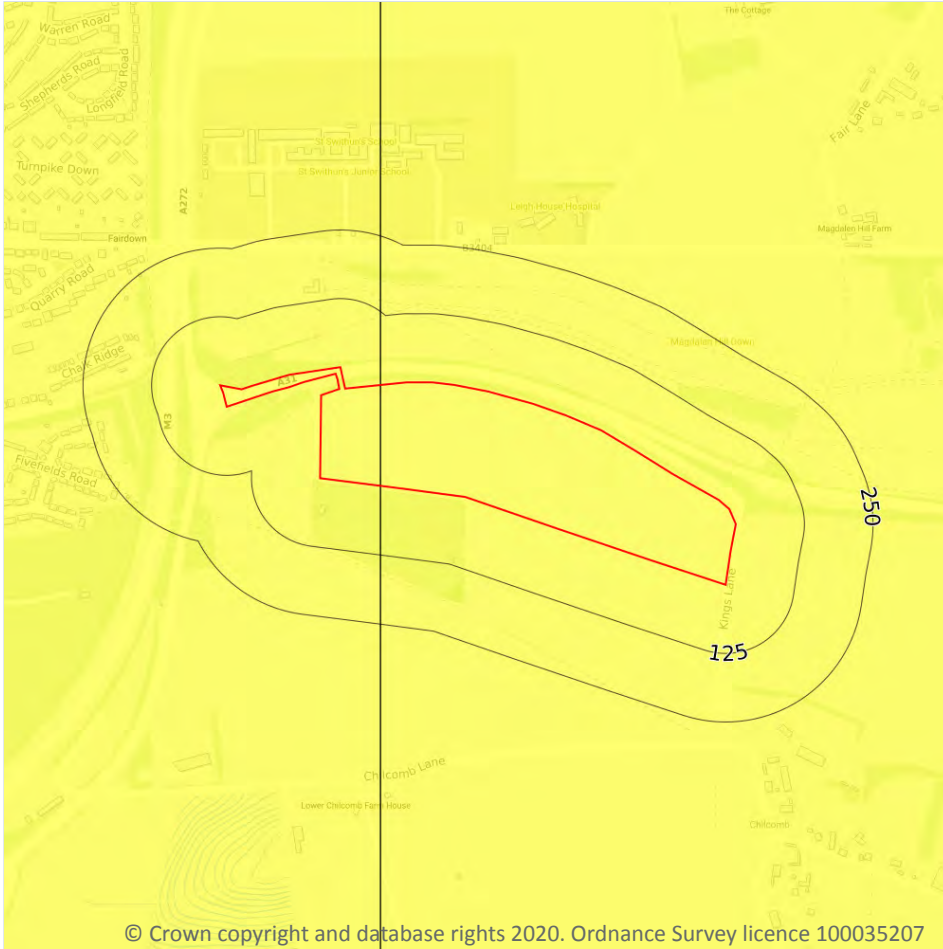
The potential hazard presented by types of ground that may contain layers of very soft materials like clay or peat and may compress if loaded by overlying structures, or if the groundwater level changes, potentially resulting in depression of the ground and disturbance of foundations.

Features are displayed on the Natural ground subsidence - Compressible deposits map on **page 102**

Location	Hazard rating	Details
On site	Negligible	Compressible strata are not thought to occur.

This data is sourced from the British Geological Survey.

Natural ground subsidence - Collapsible deposits



17.4 Collapsible deposits

Records within 50m

1

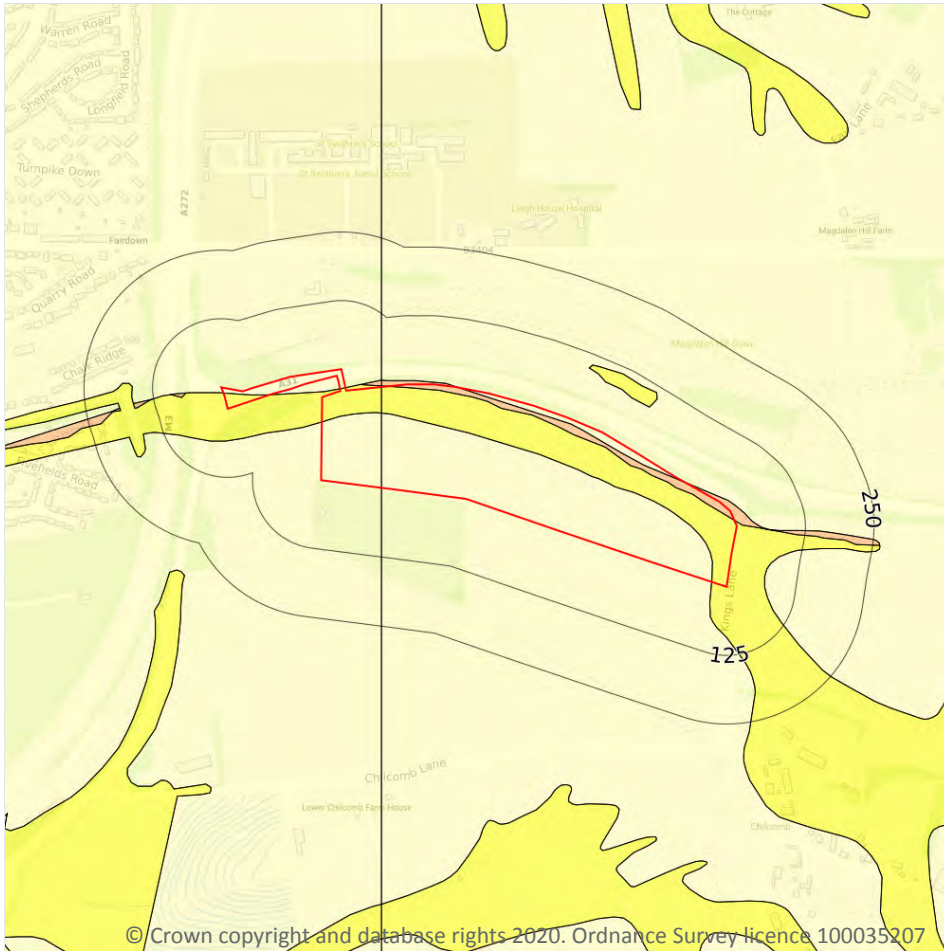
The potential hazard presented by natural deposits that could collapse when a load (such as a building) is placed on them or they become saturated with water.

Features are displayed on the Natural ground subsidence - Collapsible deposits map on **page 103**

Location	Hazard rating	Details
On site	Very low	Deposits with potential to collapse when loaded and saturated are unlikely to be present.

This data is sourced from the British Geological Survey.

Natural ground subsidence - Landslides



— Site Outline
Search buffers in metres (m)

- No data
- Negligible
- Very low
- Low
- Moderate
- High

17.5 Landslides

Records within 50m

4

The potential for landsliding (slope instability) to be a hazard assessed using 1:50,000 scale digital maps of superficial and bedrock deposits, combined with information from the BGS National Landslide Database and scientific and engineering reports.

Features are displayed on the Natural ground subsidence - Landslides map on **page 104**

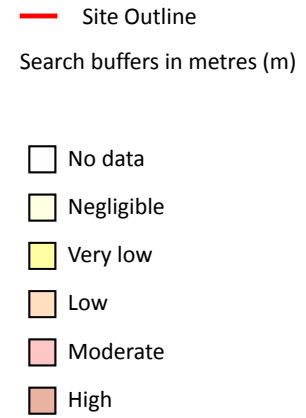
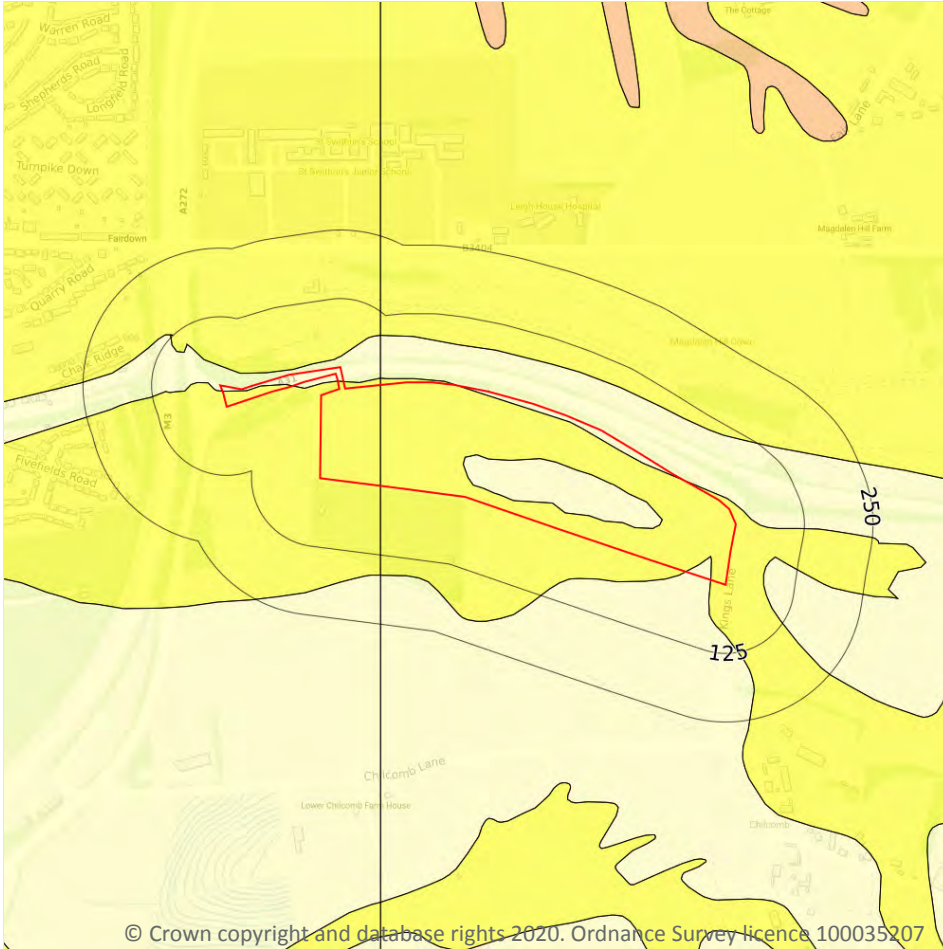
Location	Hazard rating	Details
On site	Negligible	Slope instability problems are not thought to occur but consideration to potential problems of adjacent areas impacting on the site should always be considered.

Location	Hazard rating	Details
On site	Very low	Slope instability problems are not likely to occur but consideration to potential problems of adjacent areas impacting on the site should always be considered.
On site	Low	Slope instability problems may be present or anticipated. Site investigation should consider specifically the slope stability of the site.
2m N	Low	Slope instability problems may be present or anticipated. Site investigation should consider specifically the slope stability of the site.

This data is sourced from the British Geological Survey.



Natural ground subsidence - Ground dissolution of soluble rocks



17.6 Ground dissolution of soluble rocks

Records within 50m

2

The potential hazard presented by ground dissolution, which occurs when water passing through soluble rocks produces underground cavities and cave systems. These cavities reduce support to the ground above and can cause localised collapse of the overlying rocks and deposits.

Features are displayed on the Natural ground subsidence - Ground dissolution of soluble rocks map on **page 106**

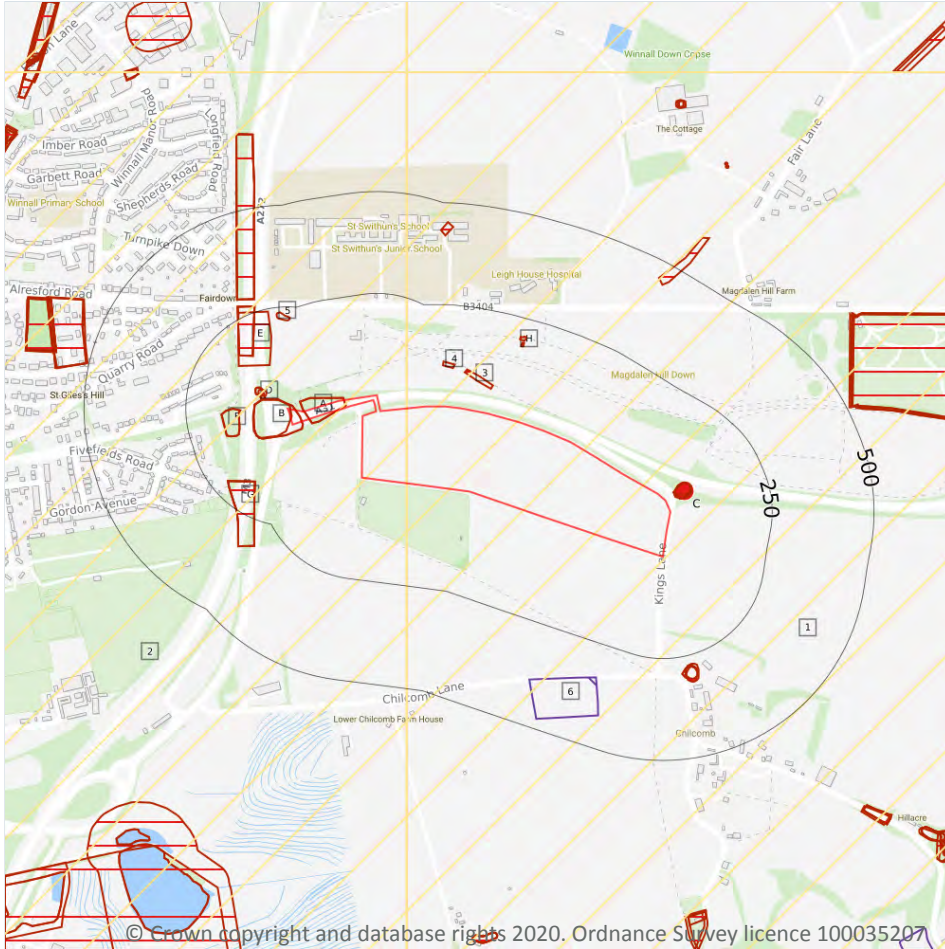
Location	Hazard rating	Details
On site	Negligible	Soluble rocks are either not thought to be present within the ground, or not prone to dissolution. Dissolution features are unlikely to be present.

Location	Hazard rating	Details
On site	Very low	Soluble rocks are present within the ground. Few dissolution features are likely to be present. Potential for difficult ground conditions or localised subsidence are at a level where they need not be considered.

This data is sourced from the British Geological Survey.



18 Mining, ground workings and natural cavities



- Site Outline
- Search buffers in metres (m)
- Natural cavities (Area)
- Natural cavities (Point)
- BritPits
- Surface ground workings
- Underground workings
- Historical Mineral Planning Areas
- Mining Cavities
- Non Coal Mining
- Sporadic underground mining of restricted extent possible
- Localised small scale underground mining possible
- Small scale mining possible
- Underground mining known or likely within or in close proximity
- Underground mining known within or in very close proximity

18.1 Natural cavities

Records within 500m

0

Industry recognised national database of natural cavities. Sinkholes and caves are formed by the dissolution of soluble rock, such as chalk and limestone, gulls and fissures by cambering. Ground instability can result from movement of loose material contained within these cavities, often triggered by water.

This data is sourced from Peter Brett Associates (PBA).

18.2 BritPits

Records within 500m

1

BritPits (an abbreviation of British Pits) is a database maintained by the British Geological Survey of currently active and closed surface and underground mineral workings. Details of major mineral handling sites, such as wharfs and rail depots are also held in the database.

Features are displayed on the Mining, ground workings and natural cavities map on **page 108**

ID	Location	Details	Description
C	52m NE	Name: Magdalen Hill Chalk Pit Address: Chilcomb, WINCHESTER, Hampshire Commodity: Chalk Status: A surface mineral working. It may be termed Quarry, Sand Pit, Clay Pit or Opencast Coal Site	Type: Ceased Status description: Site which, at date of entry, has ceased to extract minerals. May be considered as Closed by operator. May be considered to have Active, Dormant or Expired planning permissions by Mineral Planning Authority

This data is sourced from the British Geological Survey.

18.3 Surface ground workings

Records within 250m

27

Historical land uses identified from Ordnance Survey mapping that involved ground excavation at the surface. These features may or may not have been subsequently backfilled.

Features are displayed on the Mining, ground workings and natural cavities map on **page 108**

ID	Location	Land Use	Year of mapping	Mapping scale
A	On site	Unspecified Pit	1957	1:10560
A	On site	Unspecified Pit	1968	1:10560
B	On site	Unspecified Pit	1957	1:10560
B	On site	Unspecified Pit	1981	1:10000
B	On site	Unspecified Pit	1968	1:10560
C	26m NE	Old Chalk Pit	1895	1:10560
C	26m NE	Old Chalk Pit	1898	1:10560
C	26m NE	Old Chalk Pit	1898	1:10560
C	28m NE	Old Chalk Pit	1908	1:10560
D	61m NW	Unspecified Pit	1869	1:10560
3	61m N	Cuttings	1869	1:10560



ID	Location	Land Use	Year of mapping	Mapping scale
D	63m NW	Unspecified Pit	1908	1:10560
D	72m NW	Unspecified Pit	1898	1:10560
D	72m NW	Unspecified Pit	1898	1:10560
4	96m N	Cuttings	1869	1:10560
E	116m N	Cuttings	1989	1:10000
F	117m W	Unspecified Pit	1957	1:10560
F	117m W	Unspecified Pit	1968	1:10560
E	156m NW	Cuttings	1957	1:10560
E	156m NW	Cuttings	1981	1:10000
E	156m NW	Cuttings	1968	1:10560
G	167m SW	Cuttings	1957	1:10560
G	167m SW	Cuttings	1981	1:10000
G	167m SW	Cuttings	1968	1:10560
H	182m N	Unspecified Pit	1869	1:10560
H	196m N	Unspecified Pits	1869	1:10560
5	217m N	Unspecified Pit	1869	1:10560

This is data is sourced from Ordnance Survey/Groundsure.

18.4 Underground workings

Records within 1000m

8

Historical land uses identified from Ordnance Survey mapping that indicate the presence of underground workings e.g. mine shafts.

Features are displayed on the Mining, ground workings and natural cavities map on **page 108**

ID	Location	Land Use	Year of mapping	Mapping scale
-	934m W	Tunnel	1938	1:10560
-	934m W	Tunnel	1931	1:10560
-	934m W	Tunnel	1908	1:10560
-	934m W	Tunnel	1895	1:10560



ID	Location	Land Use	Year of mapping	Mapping scale
-	937m NW	Tunnel	1989	1:10000
-	937m NW	Tunnel	1957	1:10560
-	937m NW	Tunnel	1981	1:10000
-	937m NW	Tunnel	1968	1:10560

This data is sourced from Ordnance Survey/Groundsure.

18.5 Historical Mineral Planning Areas

Records within 500m

1

Boundaries of mineral planning permissions for England and Wales. This data was collated between the 1940s (and retrospectively to the 1930s) and the mid 1980s. The data includes permitted, withdrawn and refused permissions.

Features are displayed on the Mining, ground workings and natural cavities map on **page 108**

ID	Location	Site Name	Mineral	Type	Planning Status	Planning Status Date
6	333m S	The Manor House	Chalk	Surface mineral working	Valid	Not available

This data is sourced from the British Geological Survey.

18.6 Non-coal mining

Records within 1000m

4

The potential for historical non-coal mining to have affected an area. The assessment is drawn from expert knowledge and literature in addition to the digital geological map of Britain. Mineral commodities may be divided into seven general categories - vein minerals, chalk, oil shale, building stone, bedded ores, evaporites and 'other' commodities (including ball clay, jet, black marble, graphite and chert).

Features are displayed on the Mining, ground workings and natural cavities map on **page 108**

ID	Location	Name	Commodity	Class	Likelihood
1	On site	Not available	Chalk	A	Sporadic underground mining of restricted extent may have occurred. Potential for difficult ground conditions are unlikely and localised and are at a level where they need not be considered



ID	Location	Name	Commodity	Class	Likelihood
2	On site	Not available	Chalk	A	Sporadic underground mining of restricted extent may have occurred. Potential for difficult ground conditions are unlikely and localised and are at a level where they need not be considered
9	793m N	Not available	Chalk	A	Sporadic underground mining of restricted extent may have occurred. Potential for difficult ground conditions are unlikely and localised and are at a level where they need not be considered
10	796m N	Not available	Chalk	A	Sporadic underground mining of restricted extent may have occurred. Potential for difficult ground conditions are unlikely and localised and are at a level where they need not be considered

This data is sourced from the British Geological Survey.

18.7 Mining cavities

Records within 1000m

0

Industry recognised national database of mining cavities. Degraded mines may result in hazardous subsidence (crown holes). Climatic conditions and water escape can also trigger subsidence over mine entrances and workings.

This data is sourced from Peter Brett Associates (PBA).

18.8 JPB mining areas

Records on site

0

Areas which could be affected by former coal mining. This data includes some mine plans unavailable to the Coal Authority.

This data is sourced from Johnson Poole and Bloomer.

18.9 Coal mining

Records on site

0

Areas which could be affected by past, current or future coal mining.

This data is sourced from the Coal Authority.



18.10 Brine areas

Records on site	0
-----------------	---

The Cheshire Brine Compensation District indicates areas that may be affected by salt and brine extraction in Cheshire and where compensation would be available where damage from this mining has occurred. Damage from salt and brine mining can still occur outside this district, but no compensation will be available.

This data is sourced from the Cheshire Brine Subsidence Compensation Board.

18.11 Gypsum areas

Records on site	0
-----------------	---

Generalised areas that may be affected by gypsum extraction.

This data is sourced from British Gypsum.

18.12 Tin mining

Records on site	0
-----------------	---

Generalised areas that may be affected by historical tin mining.

This data is sourced from Mining Searches UK.

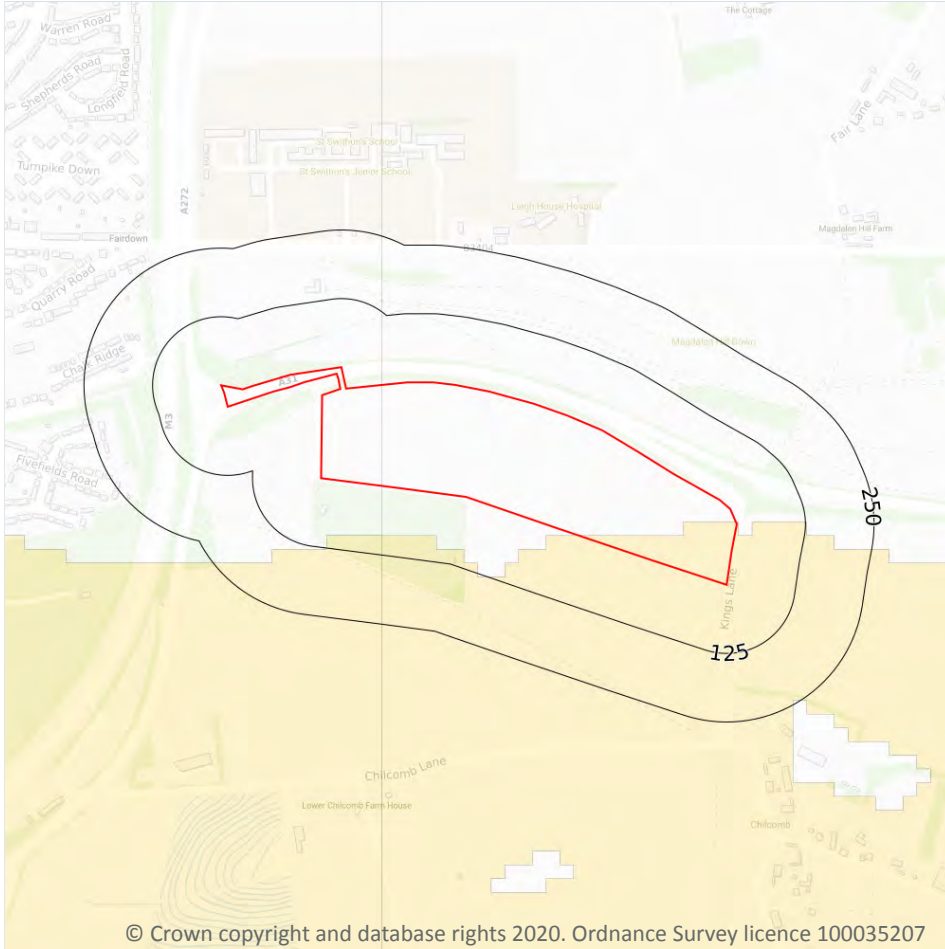
18.13 Clay mining

Records on site	0
-----------------	---

Generalised areas that may be affected by kaolin and ball clay extraction.

This data is sourced from the Kaolin and Ball Clay Association (UK).

19 Radon



— Site Outline
Search buffers in metres (m)

- Greater than 30%
- Between 10% and 30%
- Between 5% and 10%
- Between 3% and 5%
- Between 1% and 3%
- Less than 1%

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19.1 Radon

Records on site

2

Estimated percentage of dwellings exceeding the Radon Action Level. This data is the highest resolution radon dataset available for the UK and is produced to a 75m level of accuracy to allow for geological data accuracy and a 'residential property' buffer. The findings of this section should supersede any estimations derived from the Indicative Atlas of Radon in Great Britain. The data was derived from both geological assessments and long term measurements of radon in more than 479,000 households.

Features are displayed on the Radon map on **page 114**

Location	Estimated properties affected	Radon Protection Measures required
On site	Between 1% and 3%	None
On site	Less than 1%	None**



This data is sourced from the British Geological Survey and Public Health England.



20 Soil chemistry

20.1 BGS Estimated Background Soil Chemistry

Records within 50m

30

The estimated values provide the likely background concentration of the potentially harmful elements Arsenic, Cadmium, Chromium, Lead and Nickel in topsoil. The values are estimated primarily from rural topsoil data collected at a sample density of approximately 1 per 2 km². In areas where rural soil samples are not available, estimation is based on stream sediment data collected from small streams at a sampling density of 1 per 2.5 km²; this is the case for most of Scotland, Wales and southern England. The stream sediment data are converted to soil-equivalent concentrations prior to the estimation.

Location	Arsenic	Bioaccessible Arsenic	Lead	Bioaccessible Lead	Cadmium	Chromium	Nickel
On site	15 mg/kg	No data	100 - 200 mg/kg	60 - 120 mg/kg	1.8 mg/kg	60 - 90 mg/kg	15 - 30 mg/kg
On site	15 mg/kg	No data	100 - 200 mg/kg	60 - 120 mg/kg	1.8 mg/kg	60 - 90 mg/kg	15 - 30 mg/kg
On site	15 mg/kg	No data	100 - 200 mg/kg	60 - 120 mg/kg	1.8 mg/kg	60 - 90 mg/kg	15 - 30 mg/kg
On site	15 mg/kg	No data	100 - 200 mg/kg	60 - 120 mg/kg	1.8 mg/kg	60 - 90 mg/kg	15 - 30 mg/kg
On site	15 mg/kg	No data	200 - 300 mg/kg	120 - 240 mg/kg	1.8 mg/kg	60 - 90 mg/kg	15 - 30 mg/kg
On site	15 mg/kg	No data	100 - 200 mg/kg	60 - 120 mg/kg	1.8 mg/kg	60 - 90 mg/kg	15 - 30 mg/kg
On site	15 mg/kg	No data	100 - 200 mg/kg	60 - 120 mg/kg	1.8 mg/kg	60 - 90 mg/kg	15 - 30 mg/kg
On site	15 mg/kg	No data	100 - 200 mg/kg	60 - 120 mg/kg	1.8 mg/kg	60 - 90 mg/kg	15 - 30 mg/kg
On site	15 mg/kg	No data	100 - 200 mg/kg	60 - 120 mg/kg	1.8 mg/kg	60 - 90 mg/kg	15 - 30 mg/kg
On site	15 mg/kg	No data	100 - 200 mg/kg	60 - 120 mg/kg	1.8 mg/kg	60 - 90 mg/kg	15 - 30 mg/kg
On site	15 mg/kg	No data	100 - 200 mg/kg	60 - 120 mg/kg	1.8 mg/kg	60 - 90 mg/kg	15 - 30 mg/kg
On site	15 mg/kg	No data	100 - 200 mg/kg	60 - 120 mg/kg	1.8 mg/kg	60 - 90 mg/kg	15 - 30 mg/kg
On site	15 mg/kg	No data	100 - 200 mg/kg	60 - 120 mg/kg	1.8 mg/kg	60 - 90 mg/kg	15 - 30 mg/kg
On site	15 mg/kg	No data	100 - 200 mg/kg	60 - 120 mg/kg	1.8 mg/kg	60 - 90 mg/kg	15 - 30 mg/kg



Location	Arsenic	Bioaccessible Arsenic	Lead	Bioaccessible Lead	Cadmium	Chromium	Nickel
On site	15 mg/kg	No data	100 - 200 mg/kg	60 - 120 mg/kg	1.8 mg/kg	60 - 90 mg/kg	15 - 30 mg/kg
On site	15 mg/kg	No data	200 - 300 mg/kg	120 - 240 mg/kg	1.8 mg/kg	60 - 90 mg/kg	15 - 30 mg/kg
On site	15 mg/kg	No data	100 - 200 mg/kg	60 - 120 mg/kg	1.8 mg/kg	60 - 90 mg/kg	15 - 30 mg/kg
On site	15 mg/kg	No data	100 - 200 mg/kg	60 - 120 mg/kg	1.8 mg/kg	60 - 90 mg/kg	15 - 30 mg/kg
On site	15 mg/kg	No data	100 - 200 mg/kg	60 - 120 mg/kg	1.8 mg/kg	60 - 90 mg/kg	15 - 30 mg/kg
On site	15 mg/kg	No data	100 - 200 mg/kg	60 - 120 mg/kg	1.8 mg/kg	60 - 90 mg/kg	15 - 30 mg/kg
On site	15 mg/kg	No data	100 - 200 mg/kg	60 - 120 mg/kg	1.8 mg/kg	60 - 90 mg/kg	15 - 30 mg/kg
On site	15 mg/kg	No data	100 - 200 mg/kg	60 - 120 mg/kg	1.8 mg/kg	60 - 90 mg/kg	15 - 30 mg/kg
On site	15 mg/kg	No data	100 - 200 mg/kg	60 - 120 mg/kg	1.8 mg/kg	60 - 90 mg/kg	15 - 30 mg/kg
On site	15 mg/kg	No data	100 - 200 mg/kg	60 - 120 mg/kg	1.8 mg/kg	60 - 90 mg/kg	15 - 30 mg/kg
On site	15 mg/kg	No data	100 - 200 mg/kg	60 - 120 mg/kg	1.8 mg/kg	60 - 90 mg/kg	15 - 30 mg/kg
On site	15 mg/kg	No data	100 - 200 mg/kg	60 - 120 mg/kg	1.8 mg/kg	60 - 90 mg/kg	15 - 30 mg/kg
On site	15 mg/kg	No data	100 - 200 mg/kg	60 - 120 mg/kg	1.8 mg/kg	60 - 90 mg/kg	15 - 30 mg/kg
On site	15 mg/kg	No data	100 - 200 mg/kg	60 - 120 mg/kg	1.8 mg/kg	60 - 90 mg/kg	15 - 30 mg/kg
On site	15 mg/kg	No data	200 - 300 mg/kg	120 - 240 mg/kg	1.8 mg/kg	60 - 90 mg/kg	15 mg/kg
On site	15 mg/kg	No data	100 - 200 mg/kg	60 - 120 mg/kg	1.8 mg/kg	60 - 90 mg/kg	15 - 30 mg/kg
On site	15 mg/kg	No data	200 - 300 mg/kg	120 - 240 mg/kg	1.8 mg/kg	60 - 90 mg/kg	15 - 30 mg/kg
On site	15 mg/kg	No data	200 - 300 mg/kg	120 - 240 mg/kg	1.8 mg/kg	60 - 90 mg/kg	15 - 30 mg/kg
9m NW	15 mg/kg	No data	100 - 200 mg/kg	60 - 120 mg/kg	1.8 mg/kg	60 - 90 mg/kg	15 - 30 mg/kg
32m S	15 mg/kg	No data	100 - 200 mg/kg	60 - 120 mg/kg	1.8 mg/kg	60 - 90 mg/kg	15 mg/kg
38m W	15 mg/kg	No data	100 - 200 mg/kg	60 - 120 mg/kg	1.8 mg/kg	60 - 90 mg/kg	15 - 30 mg/kg



This data is sourced from the British Geological Survey.

20.2 BGS Estimated Urban Soil Chemistry

Records within 50m

0

Estimated topsoil chemistry of Arsenic, Cadmium, Chromium, Copper, Nickel, Lead, Tin and Zinc and bioaccessible Arsenic and Lead in 23 urban centres across Great Britain. These estimates are derived from interpolation of the measured urban topsoil data referred to above and provide information across each city between the measured sample locations (4 per km²).

This data is sourced from the British Geological Survey.

20.3 BGS Measured Urban Soil Chemistry

Records within 50m

0

The locations and measured total concentrations (mg/kg) of Arsenic, Cadmium, Chromium, Copper, Nickel, Lead, Tin and Zinc in urban topsoil samples from 23 urban centres across Great Britain. These are collected at a sample density of 4 per km².

This data is sourced from the British Geological Survey.



21 Railway infrastructure and projects

21.1 Underground railways (London)

Records within 250m

0

Details of all active London Underground lines, including approximate tunnel roof depth and operational hours.

This data is sourced from publicly available information by Groundsure.

21.2 Underground railways (Non-London)

Records within 250m

0

Details of the Merseyrail system, the Tyne and Wear Metro and the Glasgow Subway. Not all parts of all systems are located underground. The data contains location information only and does not include a depth assessment.

This data is sourced from publicly available information by Groundsure.

21.3 Railway tunnels

Records within 250m

0

Railway tunnels taken from contemporary Ordnance Survey mapping.

This data is sourced from the Ordnance Survey.

21.4 Historical railway and tunnel features

Records within 250m

0

Railways and tunnels digitised from historical Ordnance Survey mapping as scales of 1:1,250, 1:2,500, 1:10,000 and 1:10,560.

This data is sourced from Ordnance Survey/Groundsure.

21.5 Royal Mail tunnels

Records within 250m

0

The Post Office Railway, otherwise known as the Mail Rail, is an underground railway running through Central London from Paddington Head District Sorting Office to Whitechapel Eastern Head Sorting Office. The line is 10.5km long. The data includes details of the full extent of the tunnels, the depth of the tunnel, and the depth to track level.



This data is sourced from Groundsure/the Postal Museum.

21.6 Historical railways

Records within 250m

0

Former railway lines, including dismantled lines, abandoned lines, disused lines, historic railways and razed lines.

This data is sourced from OpenStreetMap.

21.7 Railways

Records within 250m

0

Currently existing railway lines, including standard railways, narrow gauge, funicular, trams and light railways.

This data is sourced from Ordnance Survey and OpenStreetMap.

21.8 Crossrail 1

Records within 500m

0

The Crossrail railway project links 41 stations over 100 kilometres from Reading and Heathrow in the west, through underground sections in central London, to Shenfield and Abbey Wood in the east.

This data is sourced from publicly available information by Groundsure.

21.9 Crossrail 2

Records within 500m

0

Crossrail 2 is a proposed railway linking the national rail networks in Surrey and Hertfordshire via an underground tunnel through London.

This data is sourced from publicly available information by Groundsure.

21.10 HS2

Records within 500m

0

HS2 is a proposed high speed rail network running from London to Manchester and Leeds via Birmingham. Main civils construction on Phase 1 (London to Birmingham) of the project began in 2019, and it is currently anticipated that this phase will be fully operational by 2026. Construction on Phase 2a (Birmingham to Crewe) is anticipated to commence in 2021, with the service fully operational by 2027. Construction on Phase 2b (Crewe to Manchester and Birmingham to Leeds) is scheduled to begin in 2023 and be operational by 2033.

This data is sourced from HS2 Ltd.



Data providers

Groundsure works with respected data providers to bring you the most relevant and accurate information. To find out who they are and their areas of expertise see <https://www.groundsure.com/sources-reference>.

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Site Details:

450268.56815755053,
129011.43949057997

Client Ref: 33689_-_M3J9-_Site_3
Report Ref: GS-7137935
Grid Ref: 450178, 129009

Map Name: County Series


Map date: 1870-1874

Scale: 1:10,560

Printed at: 1:10,560



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Edition 1874
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Surveyed 1870
Revised 1870
Edition N/A
Copyright N/A
Levelled N/A

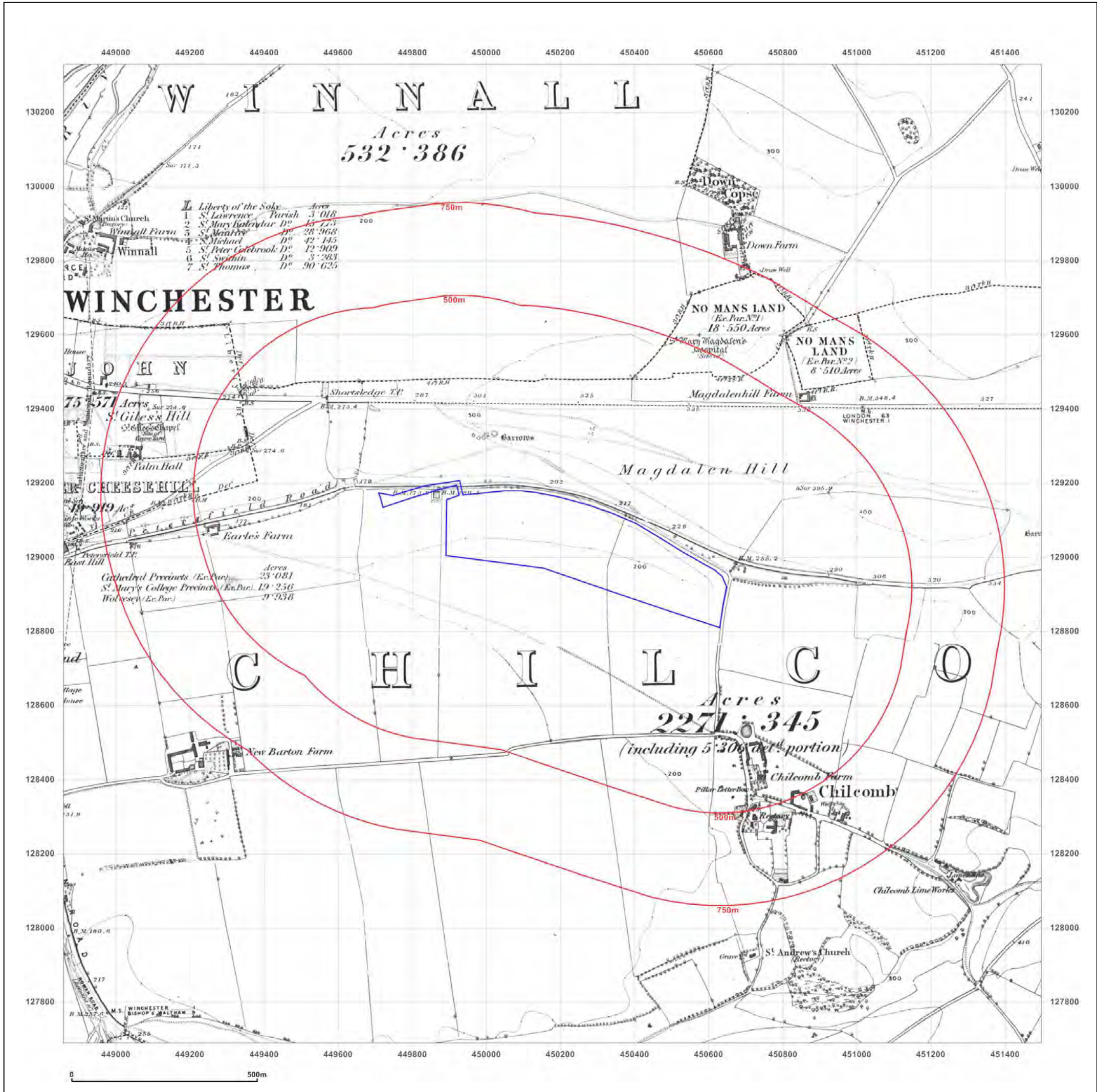


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Site Details:

450268.56815755053,
129011.43949057997

Client Ref: 33689_-_M3J9-_Site_3
Report Ref: GS-7137935
Grid Ref: 450178, 129009

Map Name: County Series

Map date: 1888

Scale: 1:10,560

Printed at: 1:10,560



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Edition N/A
Copyright N/A
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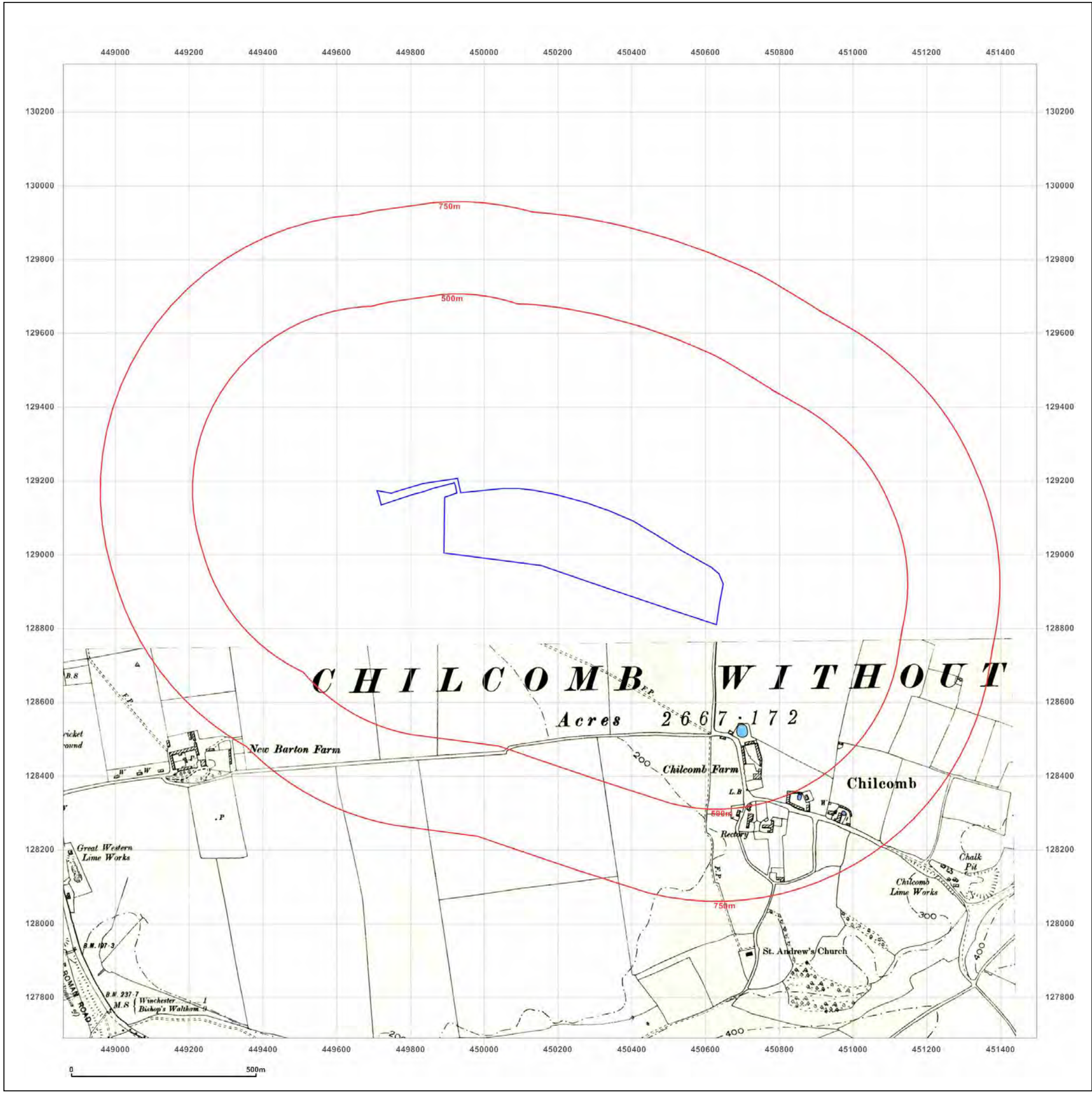


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Site Details:

450268.56815755053,
129011.43949057997

Client Ref: 33689_-_M3J9-_Site_3
Report Ref: GS-7137935
Grid Ref: 450178, 129009

Map Name: County Series

Map date: 1895-1897

Scale: 1:10,560

Printed at: 1:10,560



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Surveyed 1870
Revised N/A
Edition N/A
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Surveyed 1870
Revised 1895
Edition N/A
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Surveyed 1870
Revised 1895
Edition N/A
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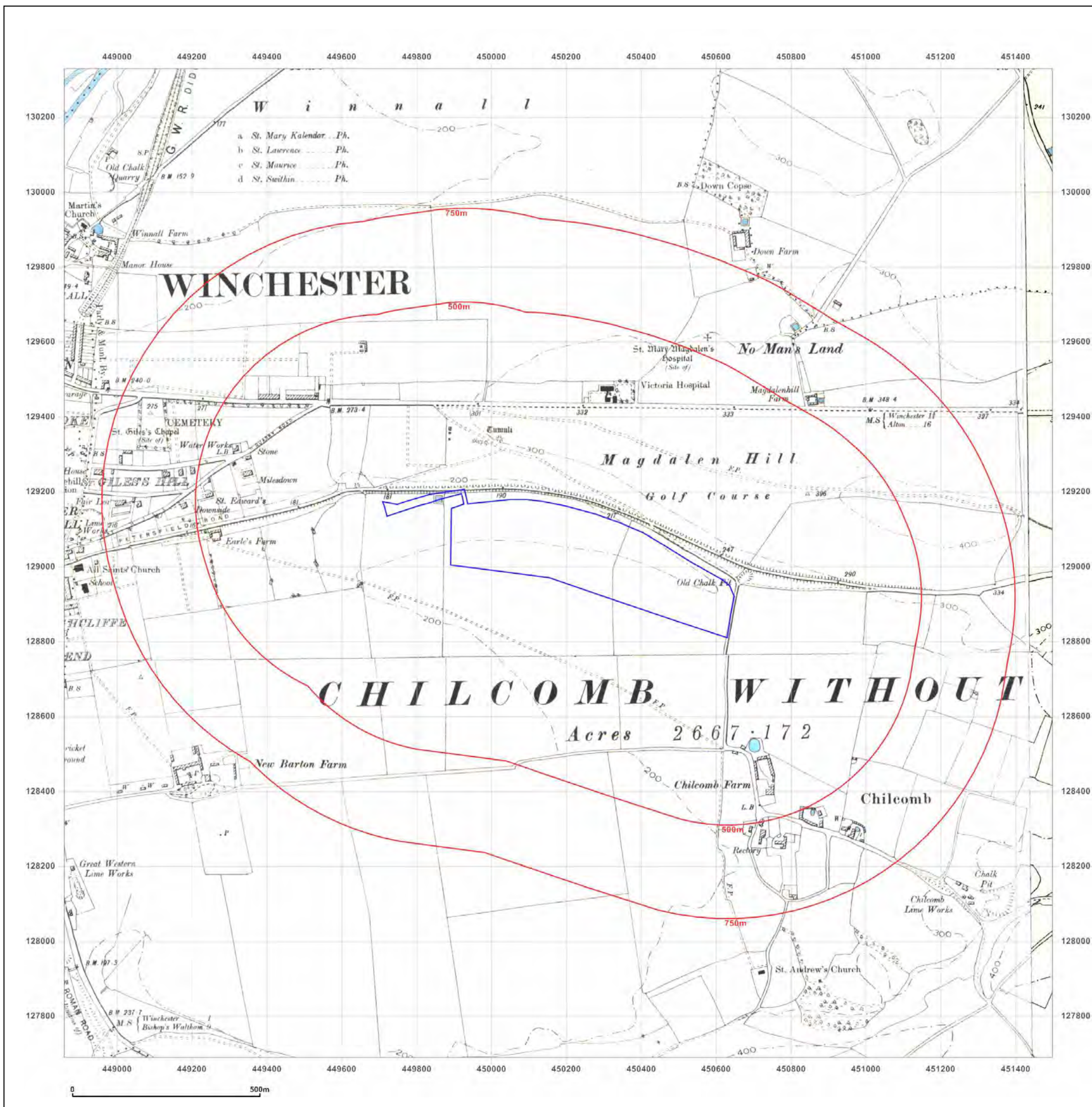


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Site Details:

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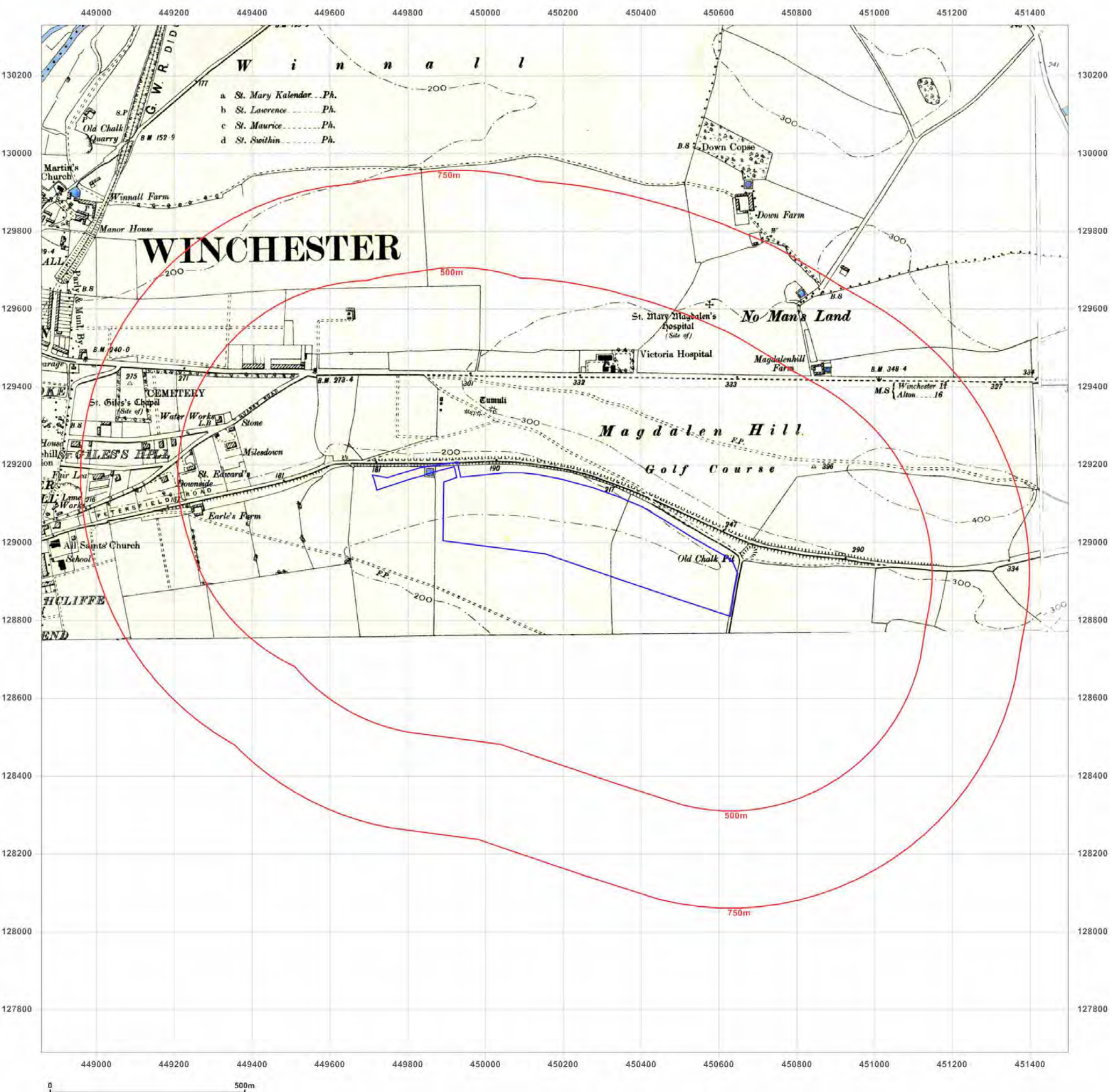
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Report Ref: GS-7137935
Grid Ref: 450178, 129009

Map Name: County Series

Map date: 1895-1898

Scale: 1:10,560

Printed at: 1:10,560



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Client Ref: 33689_-_M3J9-_Site_3
Report Ref: GS-7137935
Grid Ref: 450178, 129009

Map Name: County Series

Map date: 1908-1910

Scale: 1:10,560

Printed at: 1:10,560



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Surveyed 1869
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Edition N/A
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Surveyed 1869
Revised 1908
Edition N/A
Copyright N/A
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Surveyed 1870
Revised 1910
Edition N/A
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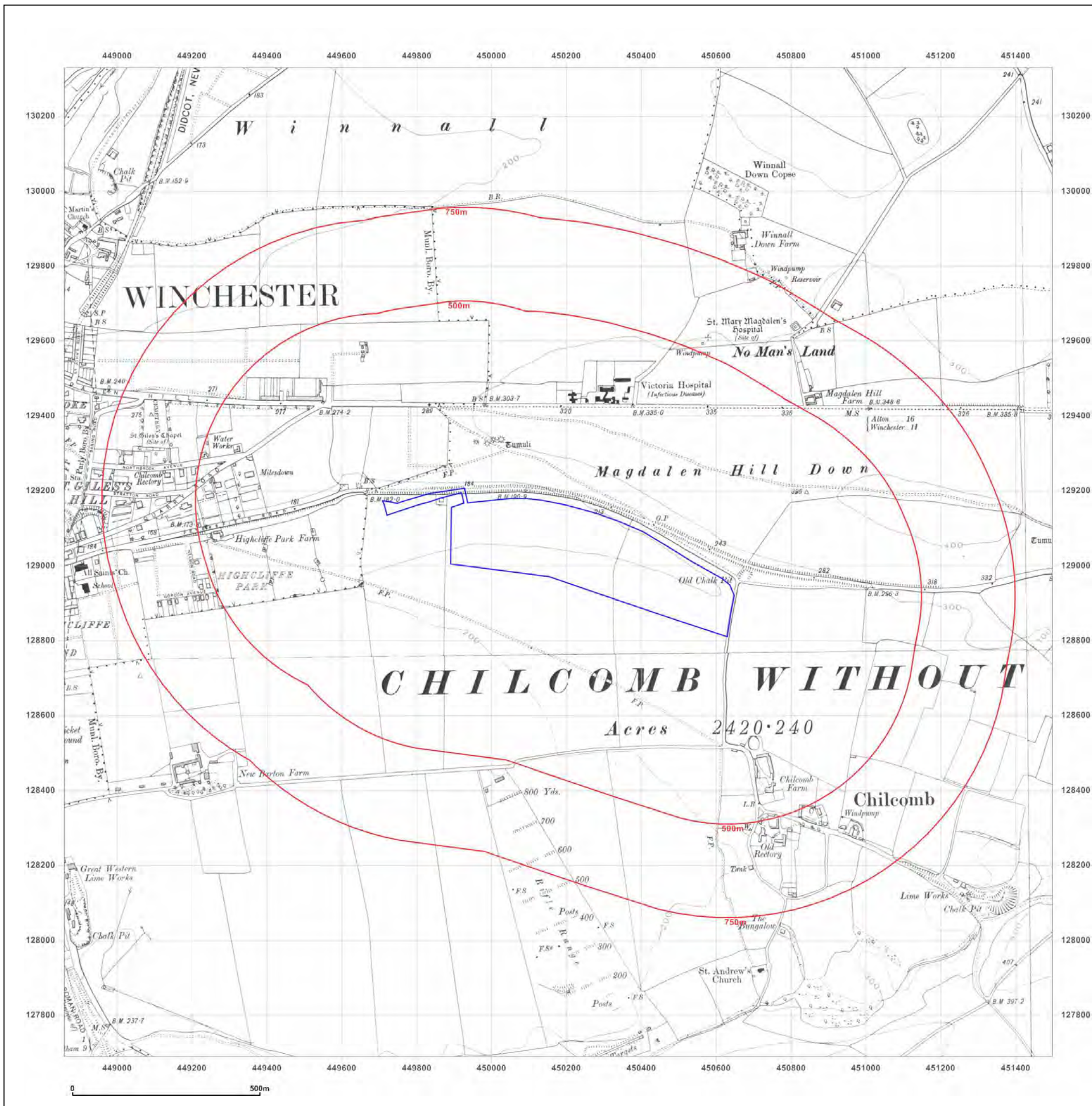


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129011.43949057997

Client Ref: 33689_-M3J9-_Site_3
Report Ref: GS-7137935
Grid Ref: 450178, 129009

Map Name: County Series

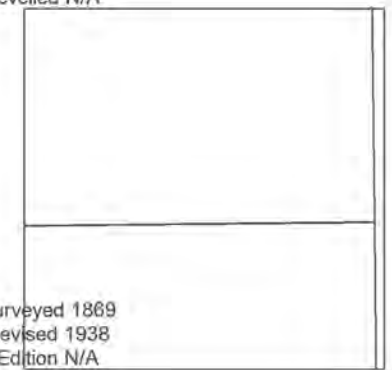
Map date: 1938

Scale: 1:10,560

Printed at: 1:10,560



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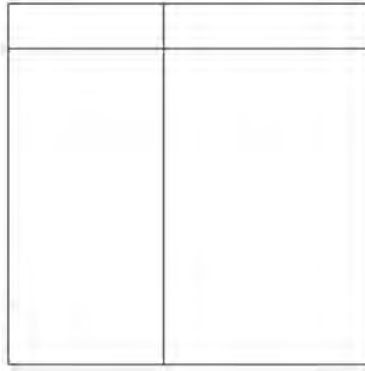


Site Details:
 450268.56815755053,
 129011.43949057997

Client Ref: 33689_-_M3J9-_Site_3
Report Ref: GS-7137935
Grid Ref: 450178, 129009

Map Name: Provisional
Map date: 1957-1961
Scale: 1:10,560
Printed at: 1:10,560



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<p>Surveyed 1870 Revised 1957 Edition N/A Copyright N/A Levelled N/A</p>	<p>Surveyed 1957 Revised 1957 Edition N/A Copyright N/A Levelled N/A</p>

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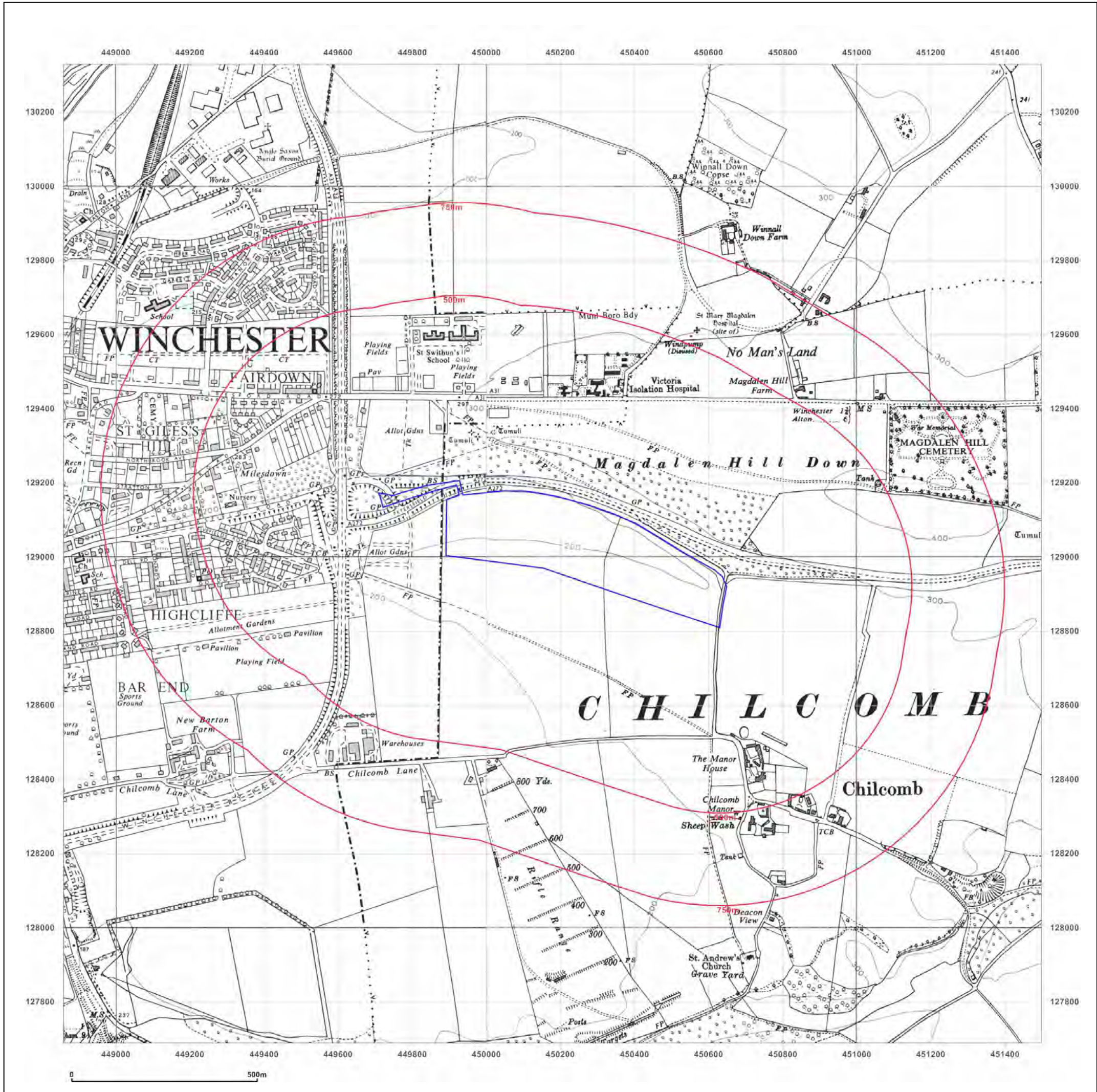


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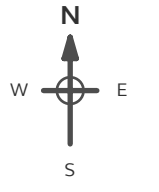


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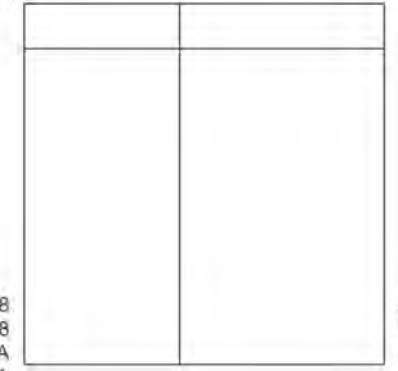
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Client Ref: 33689_-_M3J9-_Site_3
Report Ref: GS-7137935
Grid Ref: 450178, 129009

Map Name: Provisional
Map date: 1966-1968
Scale: 1:10,560
Printed at: 1:10,560



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Revised 1966
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Revised 1968
Edition N/A
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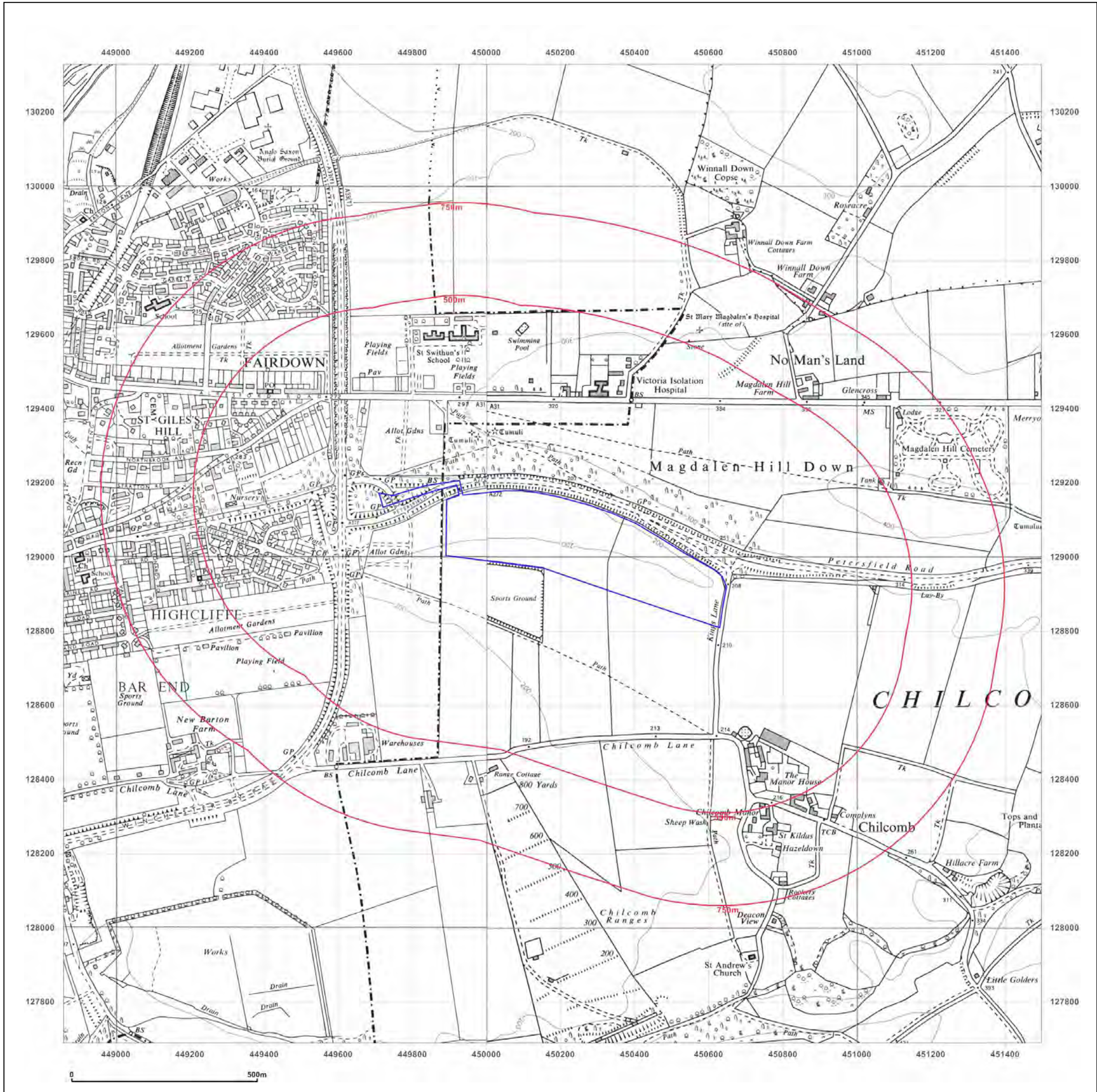


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 129011.43949057997

Client Ref: 33689_-_M3J9-_Site_3
Report Ref: GS-7137935
Grid Ref: 450178, 129009

Map Name: National Grid
Map date: 1987-1989
Scale: 1:10,000
Printed at: 1:10,000



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Surveyed 1988 Revised 1989 Edition N/A Copyright N/A Levelled N/A	Surveyed 1976 Revised 1988 Edition N/A Copyright N/A Levelled N/A

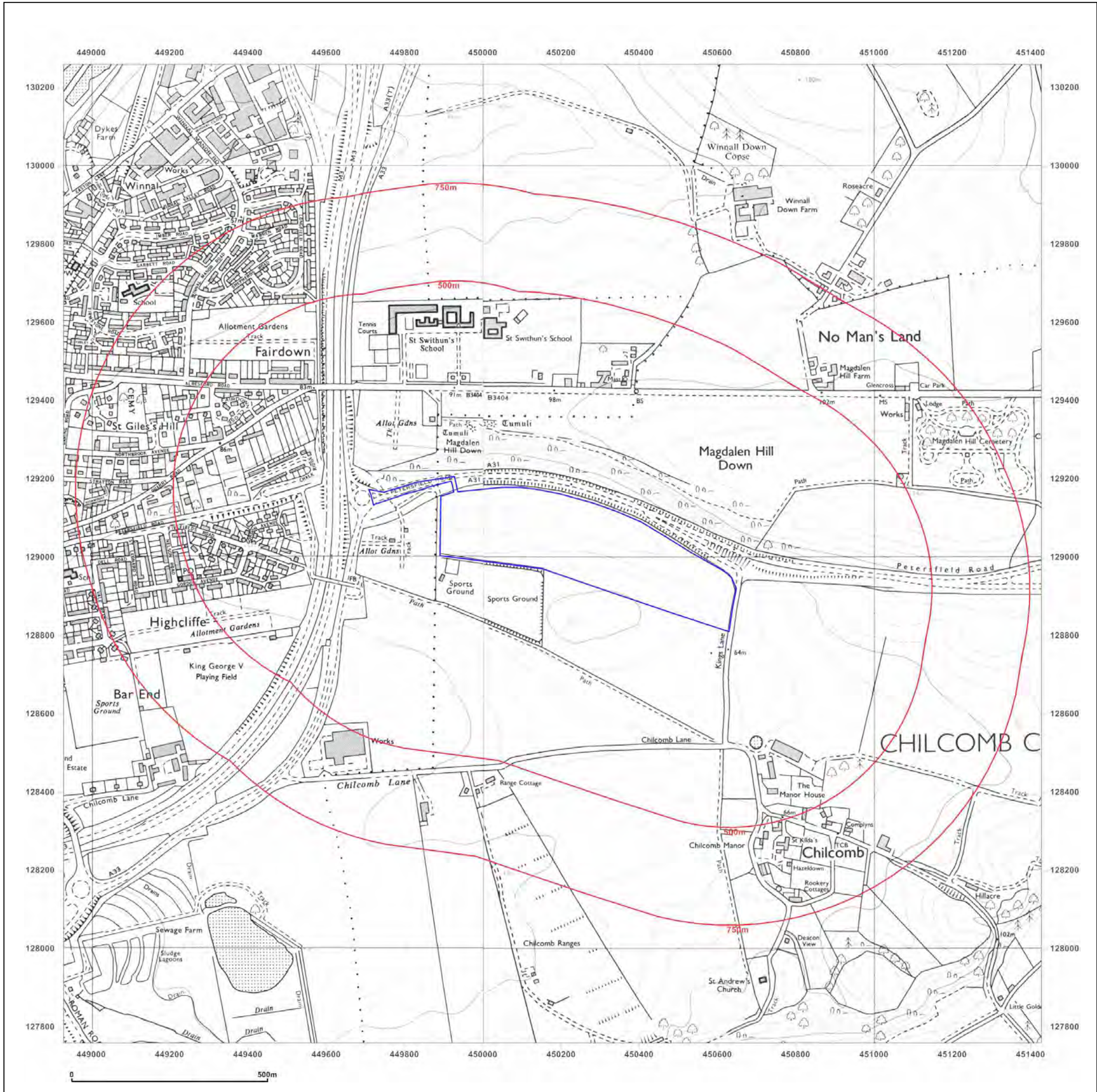


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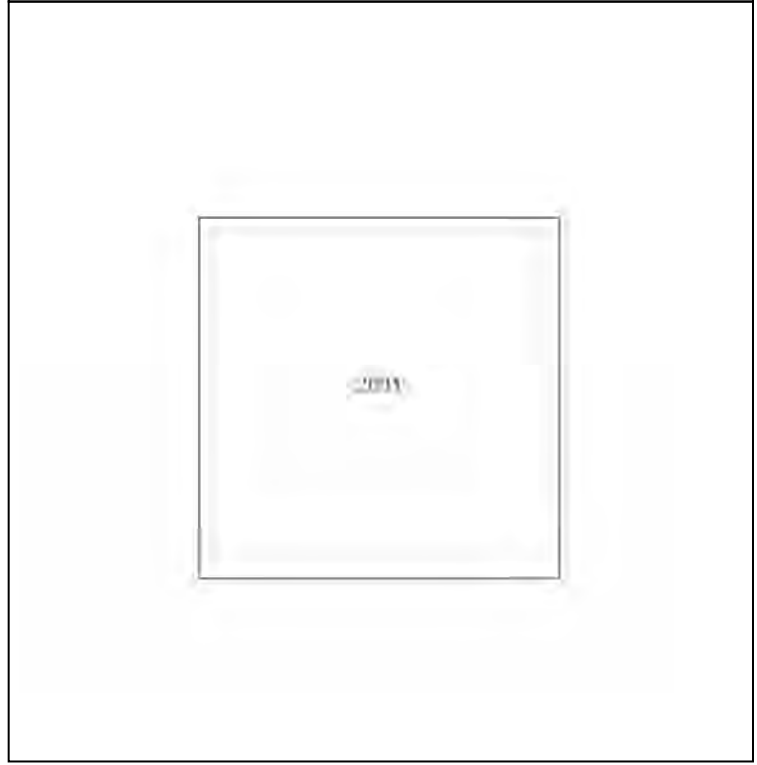
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Report Ref: GS-7137935
Grid Ref: 450178, 129009

Map Name: National Grid

Map date: 2001

Scale: 1:10,000

Printed at: 1:10,000

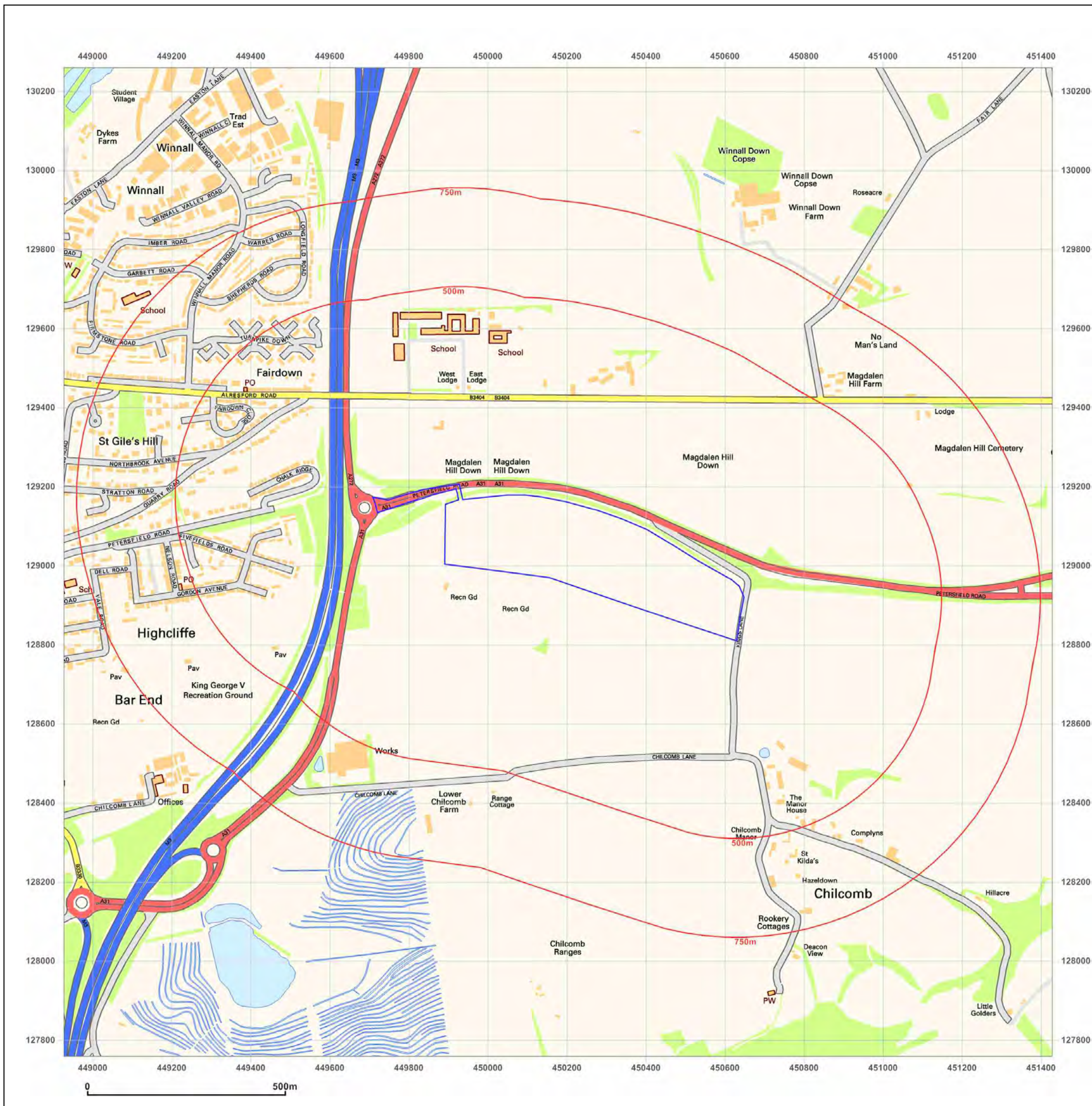


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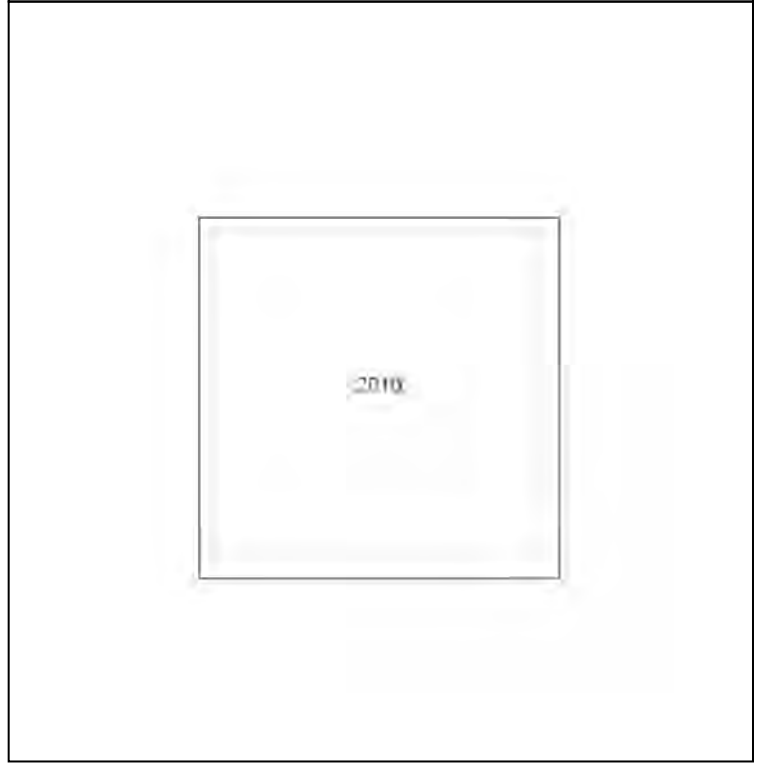
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Site Details:
 450268.56815755053,
 129011.43949057997

Client Ref: 33689_-_M3J9-_Site_3
Report Ref: GS-7137935
Grid Ref: 450178, 129009

Map Name: National Grid
Map date: 2010
Scale: 1:10,000
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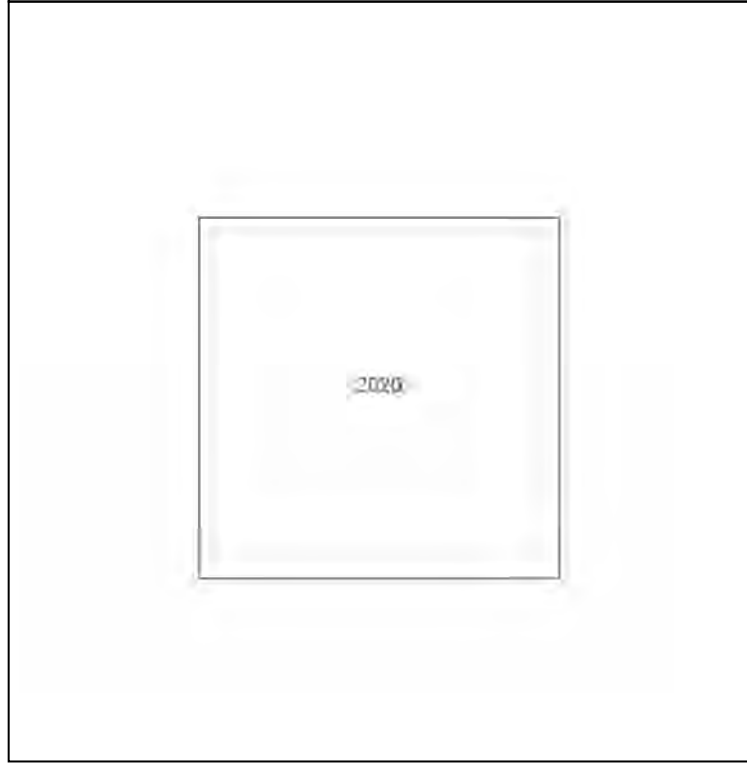
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Report Ref: GS-7137935
Grid Ref: 450178, 129009

Map Name: National Grid

Map date: 2020

Scale: 1:10,000

Printed at: 1:10,000



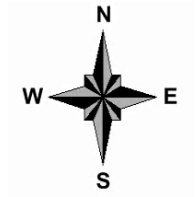
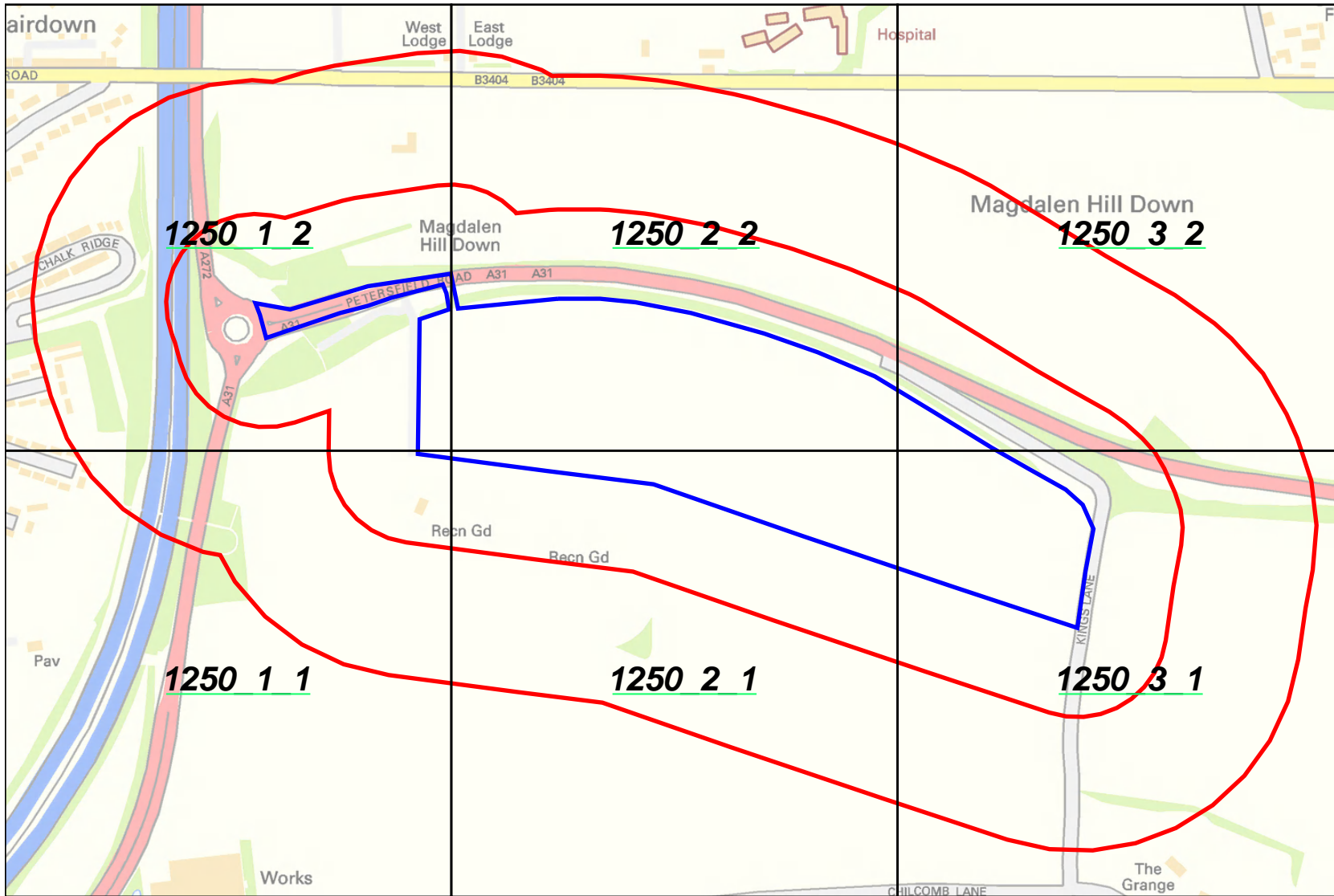
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1:1250 Scale Grid Index

Site Details:

450268.56815755053,
129011.43949057997

Client Ref: 33689_-_M3J9-_Site_3
Report Ref: GS-7137935_1250scale_1_1
Grid Ref: 449677, 128758

Map Name: National Grid

Map date: 1951-1952

Scale: 1:1,250

Printed at: 1:2,000



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Surveyed 1952
Revised 1952
Edition N/A
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Site Details:

450268.56815755053,
129011.43949057997

Client Ref: 33689_-_M3J9_Site_3
Report Ref: GS-7137935_1250scale_1_1
Grid Ref: 449677, 128758

Map Name: National Grid

Map date: 1952-1953

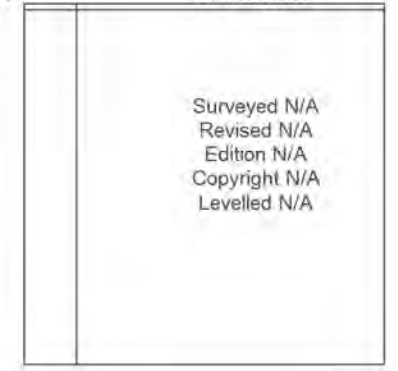
Scale: 1:1,250

Printed at: 1:2,000



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Edition N/A
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Edition N/A
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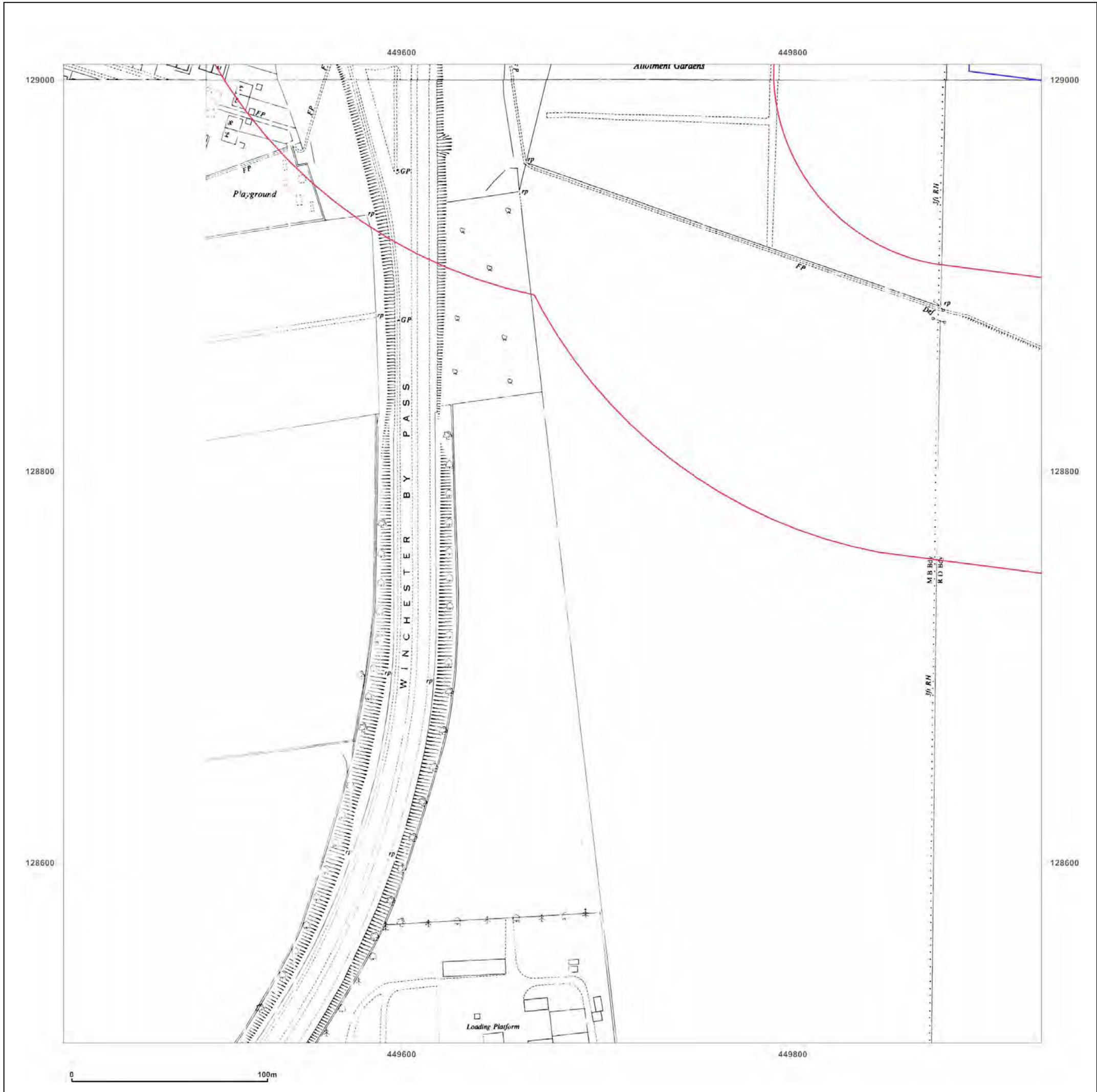


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Site Details:

450268.56815755053,
129011.43949057997

Client Ref: 33689_-_M3J9-_Site_3
Report Ref: GS-7137935_1250scale_1_1
Grid Ref: 449677, 128758

Map Name: National Grid

Map date: 1972-1975

Scale: 1:1,250

Printed at: 1:2,000



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Edition N/A
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Surveyed 1952
Revised 1971
Edition N/A
Copyright 1972
Levelled 1959

Surveyed 1951
Revised 1971
Edition N/A
Copyright 1972
Levelled 1958

Surveyed 1951
Revised 1971
Edition N/A
Copyright 1972
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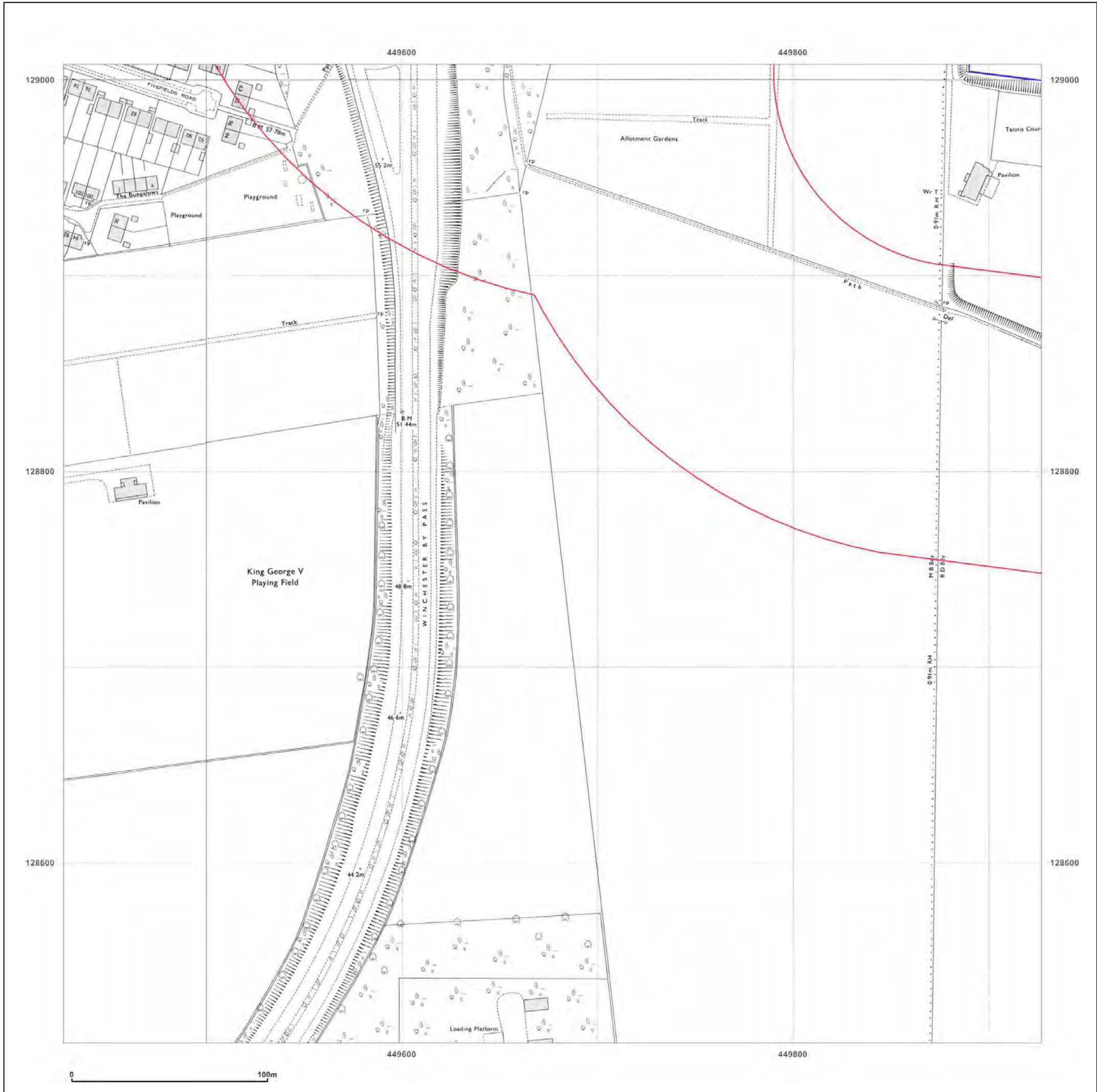


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Site Details:

450268.56815755053,
129011.43949057997

Client Ref: 33689_-M3J9-Site_3
Report Ref: GS-7137935_1250scale_1_1
Grid Ref: 449677, 128758

Map Name: National Grid

Map date: 1987-1988

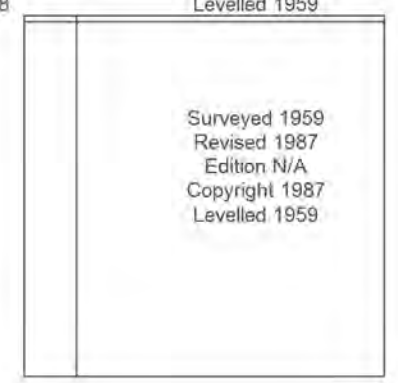
Scale: 1:1,250

Printed at: 1:2,000



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Edition N/A
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Levelled 1958

Surveyed N/A
Revised N/A
Edition N/A
Copyright 1987
Levelled 1959



Surveyed 1959
Revised 1987
Edition N/A
Copyright 1987
Levelled 1959

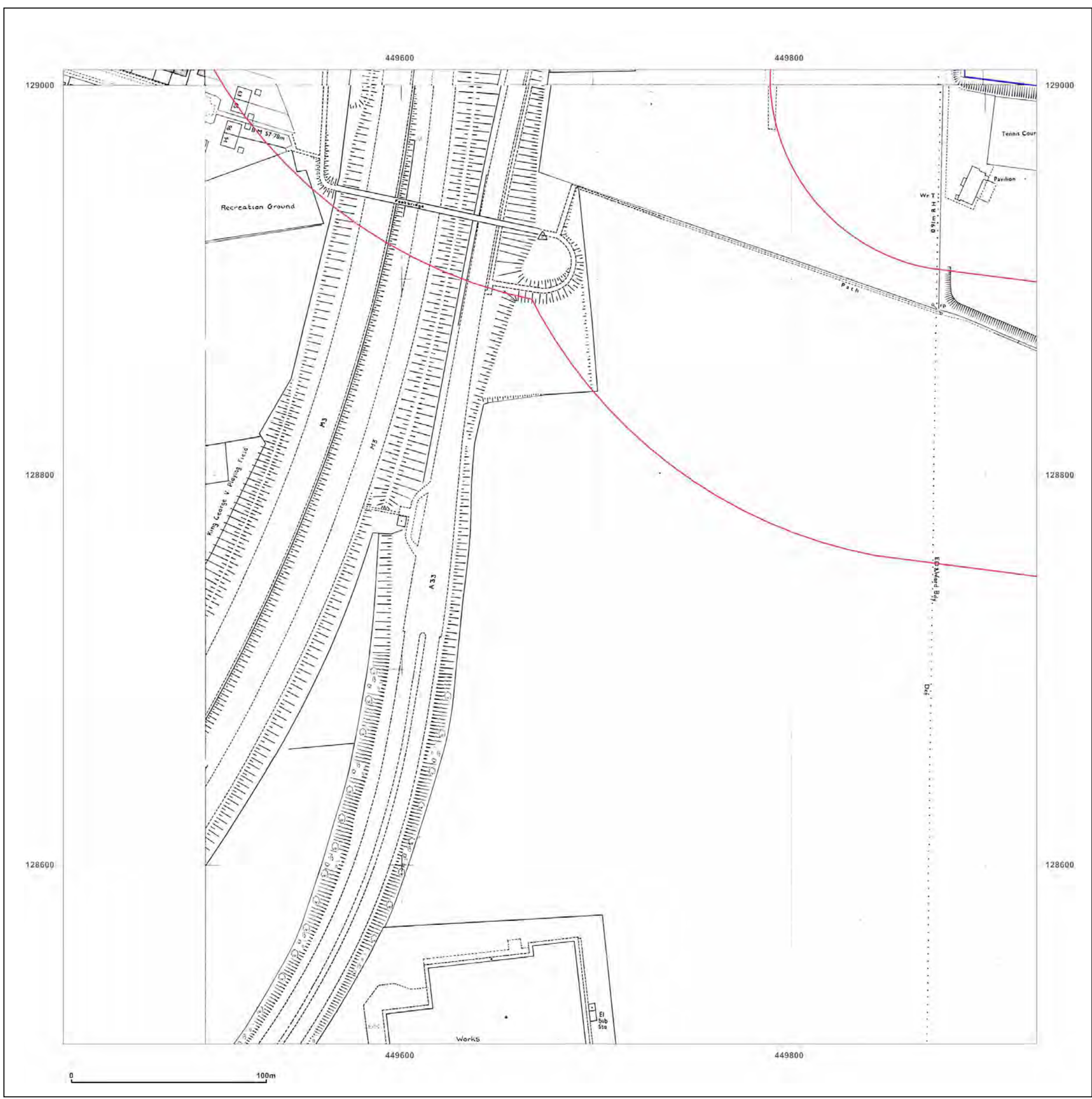


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Site Details:

450268.56815755053,
129011.43949057997

Client Ref: 33689_-_M3J9_Site_3
Report Ref: GS-7137935_1250scale_1_1
Grid Ref: 449677, 128758

Map Name: National Grid

Map date: 1988-1993

Scale: 1:1,250

Printed at: 1:2,000



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Revised N/A
Edition N/A
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Surveyed 1952
Revised 1987
Edition N/A
Copyright 1988
Levelled 1959

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Map legend available at:

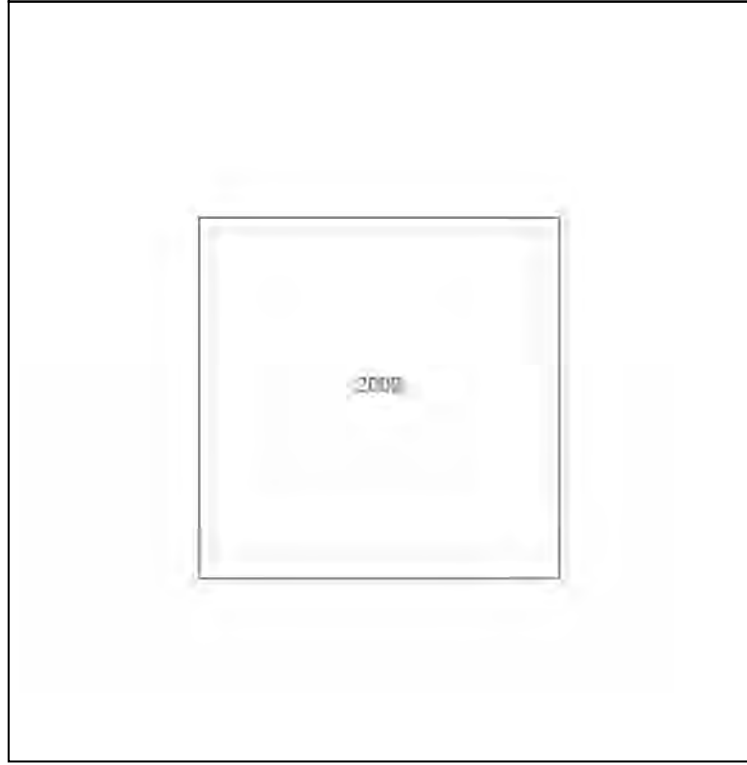
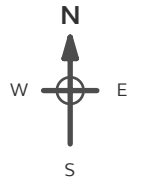


Site Details:

450268.56815755053,
129011.43949057997

Client Ref: 33689_-_M3J9_Site_3
Report Ref: GS-7137935_1250scale_1_1
Grid Ref: 449677, 128758

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



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129011.43949057997

Client Ref: 33689_-_M3J9_Site_3
Report Ref: GS-7137935_1250scale_1_2
Grid Ref: 449677, 129258

Map Name: National Grid

Map date: 1952

Scale: 1:1,250

Printed at: 1:2,000



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Revised 1952
Edition N/A
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Revised 1952
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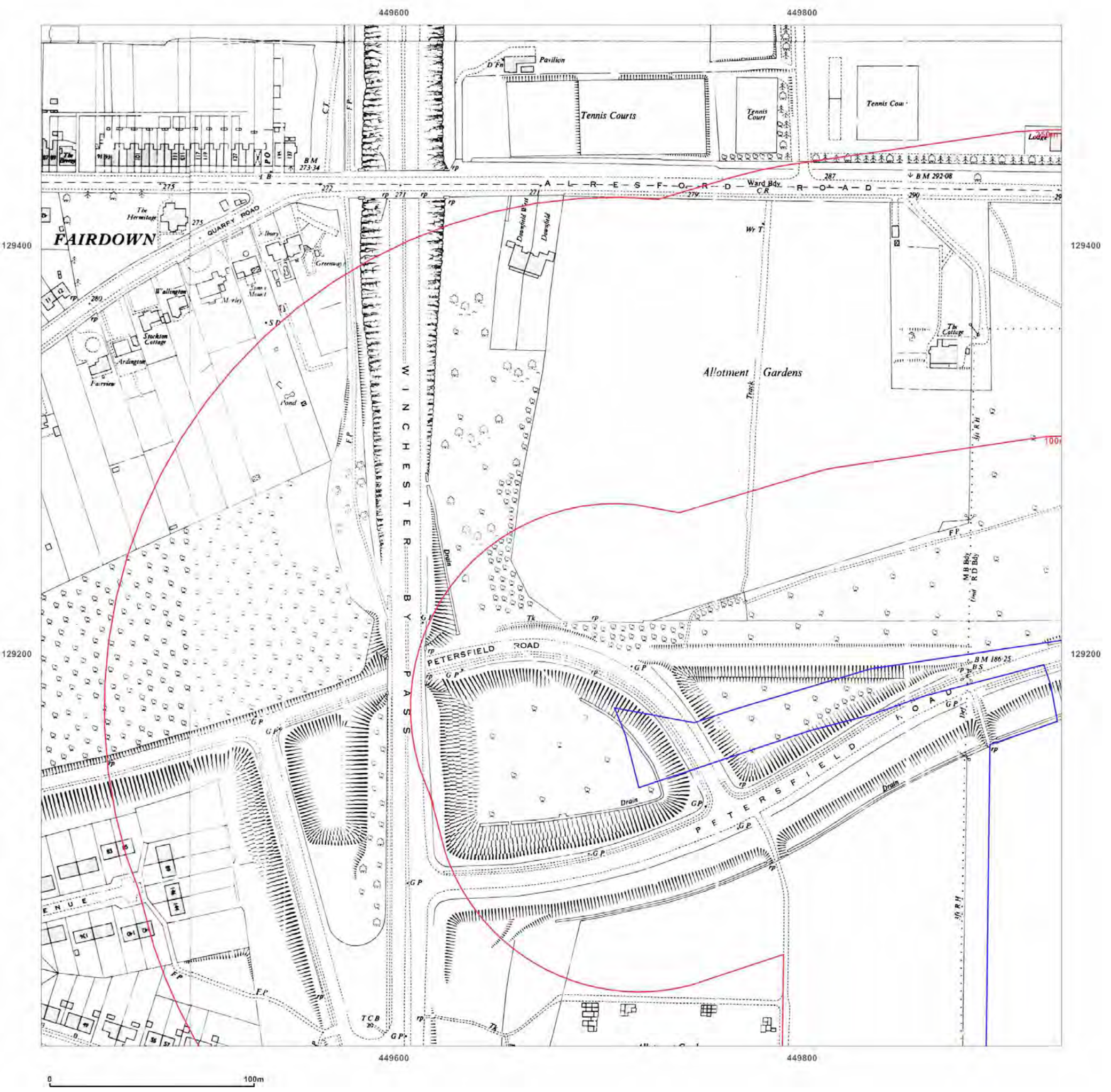
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Grid Ref: 449677, 129258

Map Name: National Grid

Map date: 1953

Scale: 1:1,250

Printed at: 1:2,000



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



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Map legend available at:

Site Details:

450268.56815755053,
129011.43949057997

Client Ref: 33689_-_M3J9-_Site_3
Report Ref: GS-7137935_1250scale_1_2
Grid Ref: 449677, 129258

Map Name: National Grid

Map date: 1968-1972

Scale: 1:1,250

Printed at: 1:2,000



Surveyed 1952
Revised 1967
Edition N/A
Copyright 1968
Levelled 1958



Surveyed 1952
Revised 1971
Edition N/A
Copyright 1972
Levelled 1959

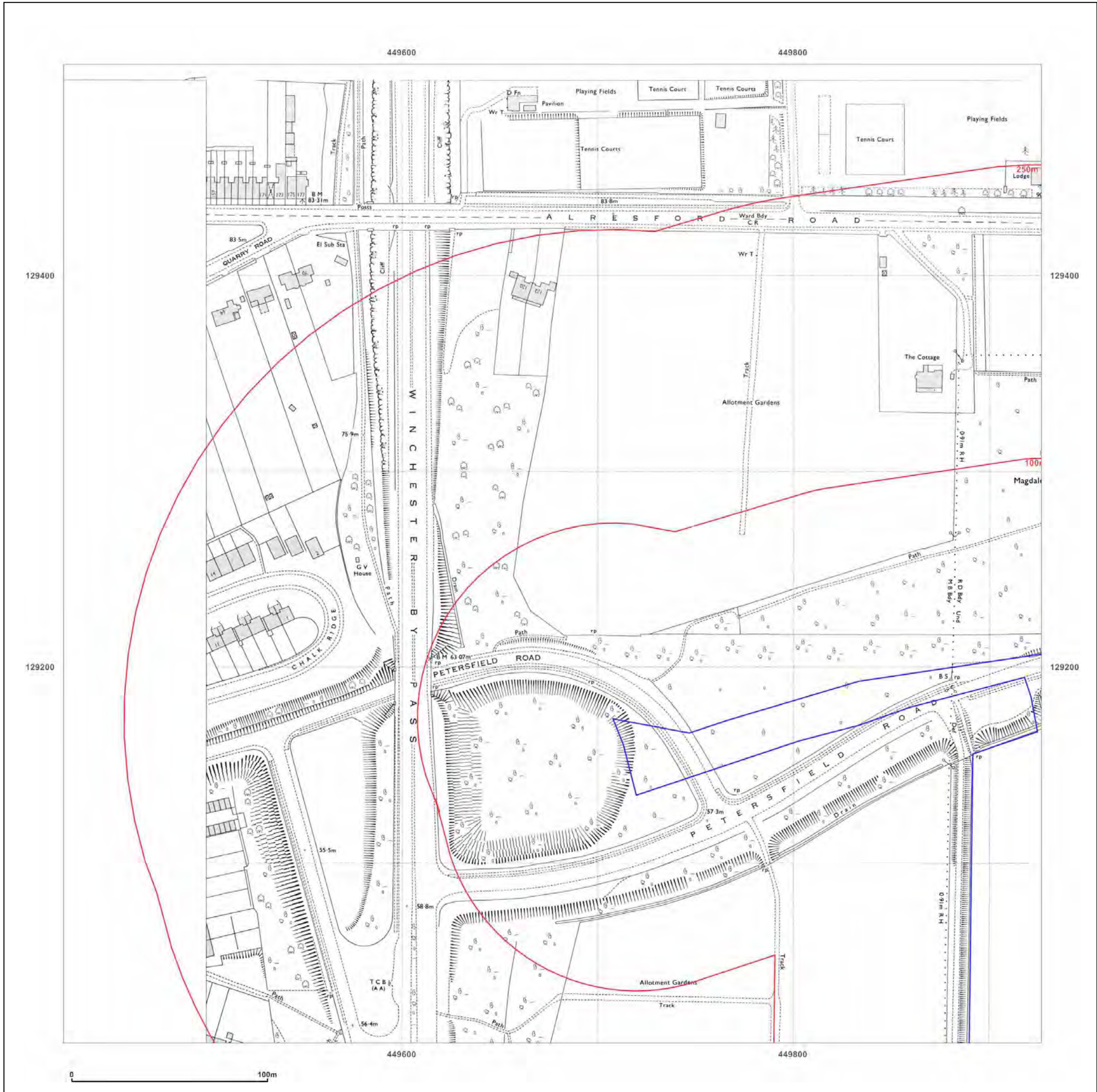


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Map legend available at:



Site Details:

450268.56815755053,
129011.43949057997

Client Ref: 33689_-_M3J9_Site_3
Report Ref: GS-7137935_1250scale_1_2
Grid Ref: 449677, 129258

Map Name: National Grid

Map date: 1983-1988

Scale: 1:1,250

Printed at: 1:2,000



Surveyed 1952
Revised 1981
Edition N/A
Copyright 1983
Levelled 1958

Surveyed 1959
Revised 1986
Edition N/A
Copyright 1986
Levelled 1959

Surveyed 1958
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Copyright 1988
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Surveyed N/A
Revised N/A
Edition N/A
Copyright 1987
Levelled 1959

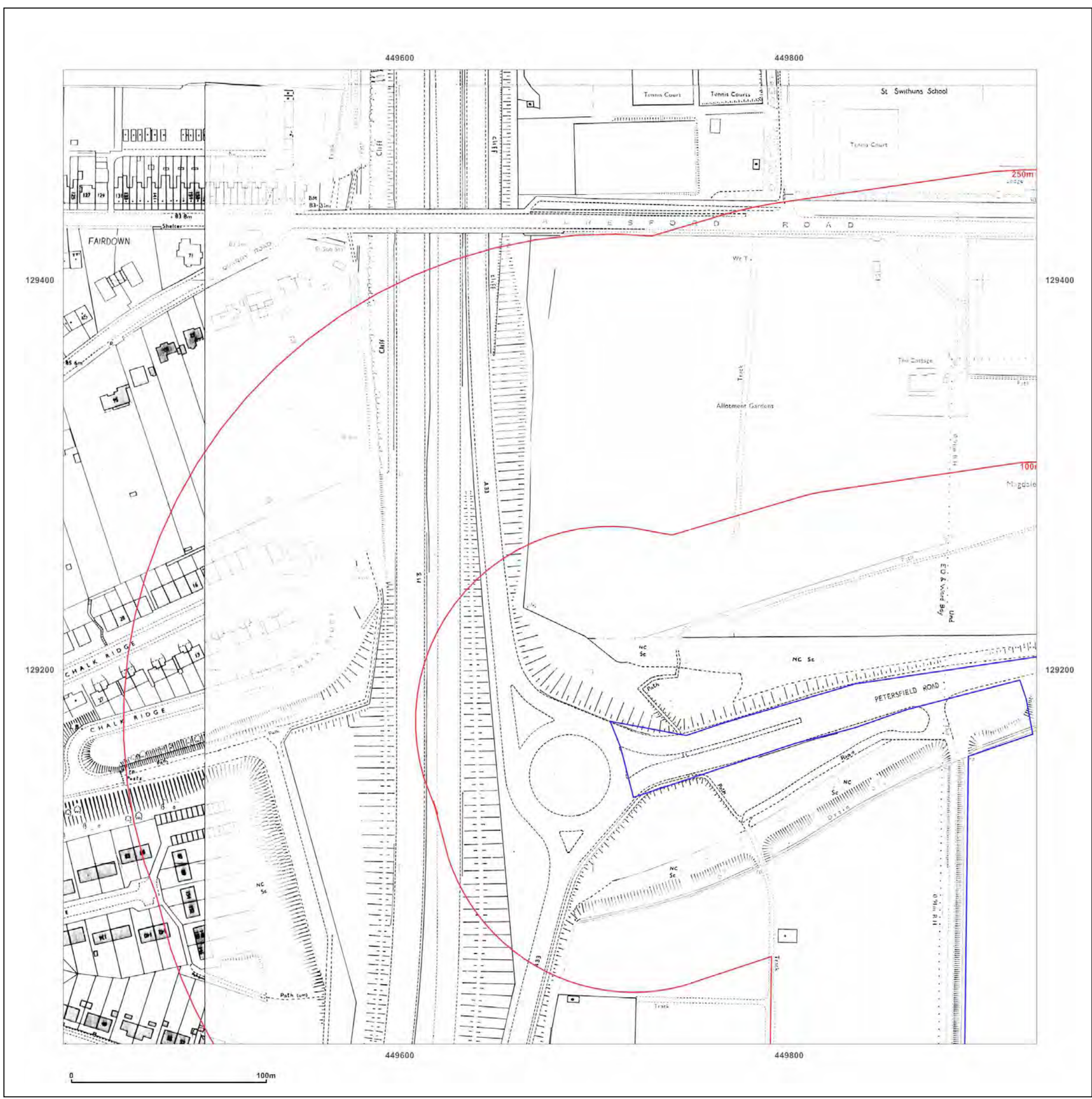


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Map legend available at:



Site Details:

450268.56815755053,
129011.43949057997

Client Ref: 33689_-_M3J9_Site_3
Report Ref: GS-7137935_1250scale_1_2
Grid Ref: 449677, 129258

Map Name: National Grid

Map date: 1988-1993

Scale: 1:1,250

Printed at: 1:2,000



Surveyed 1993 Revised N/A Edition N/A Copyright 1993 Levelled N/A	Surveyed 1992 Revised N/A Edition N/A Copyright 1992 Levelled N/A
Surveyed N/A Revised N/A Edition N/A Copyright 1990 Levelled 1958	Surveyed 1952 Revised 1987 Edition N/A Copyright 1988 Levelled 1959

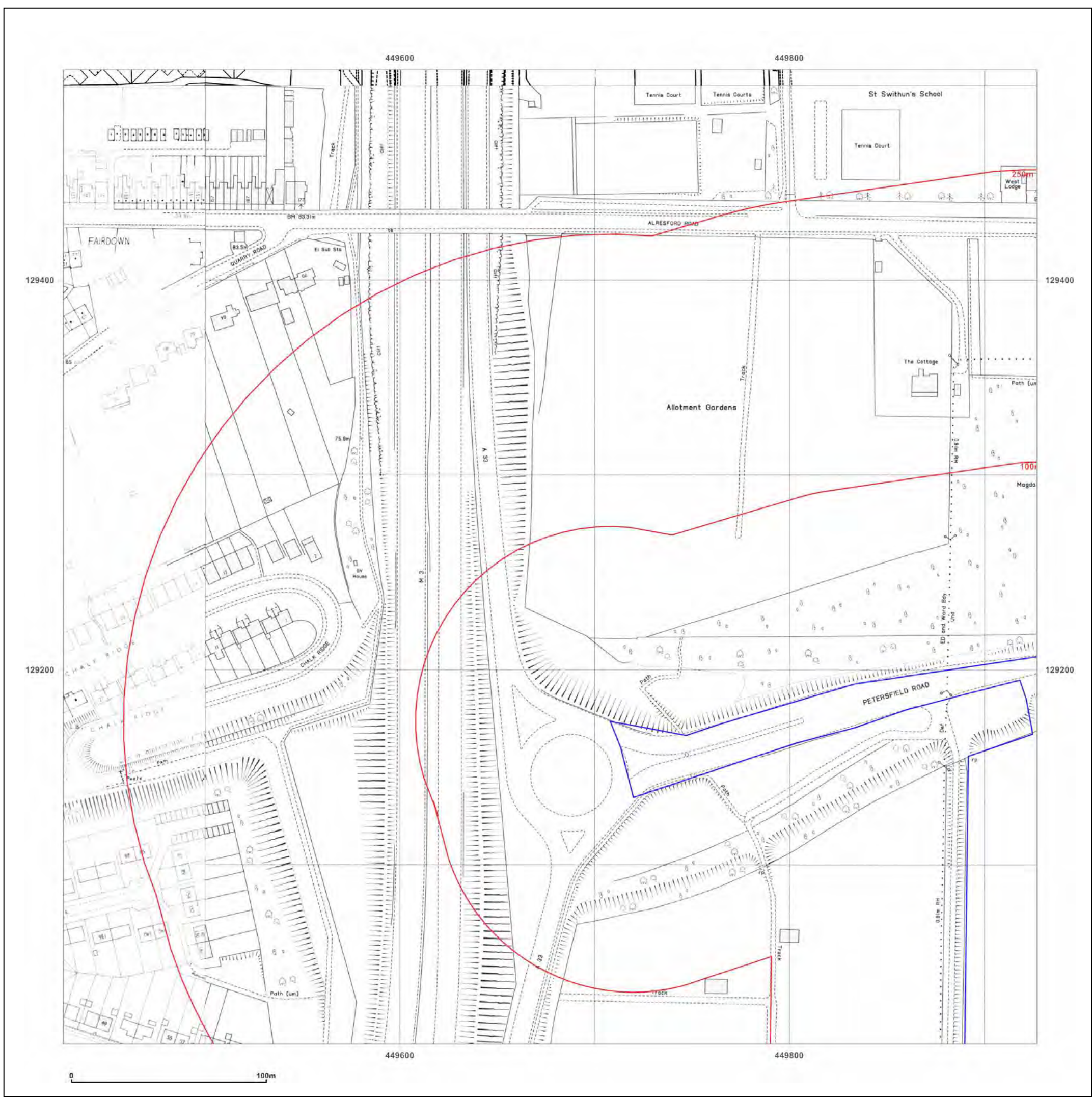


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Map legend available at:



Site Details:

450268.56815755053,
129011.43949057997

Client Ref: 33689_-_M3J9-_Site_3
Report Ref: GS-7137935_1250scale_1_2
Grid Ref: 449677, 129258

Map Name: National Grid

Map date: 1990-1993

Scale: 1:1,250

Printed at: 1:2,000



Surveyed 1993
Revised N/A
Edition N/A
Copyright 1993
Levelled N/A

Surveyed 1993
Revised N/A
Edition N/A
Copyright 1993
Levelled N/A

Surveyed 1958
Revised 1990
Edition N/A
Copyright 1990
Levelled 1958

Surveyed 1993
Revised N/A
Edition N/A
Copyright 1993
Levelled N/A

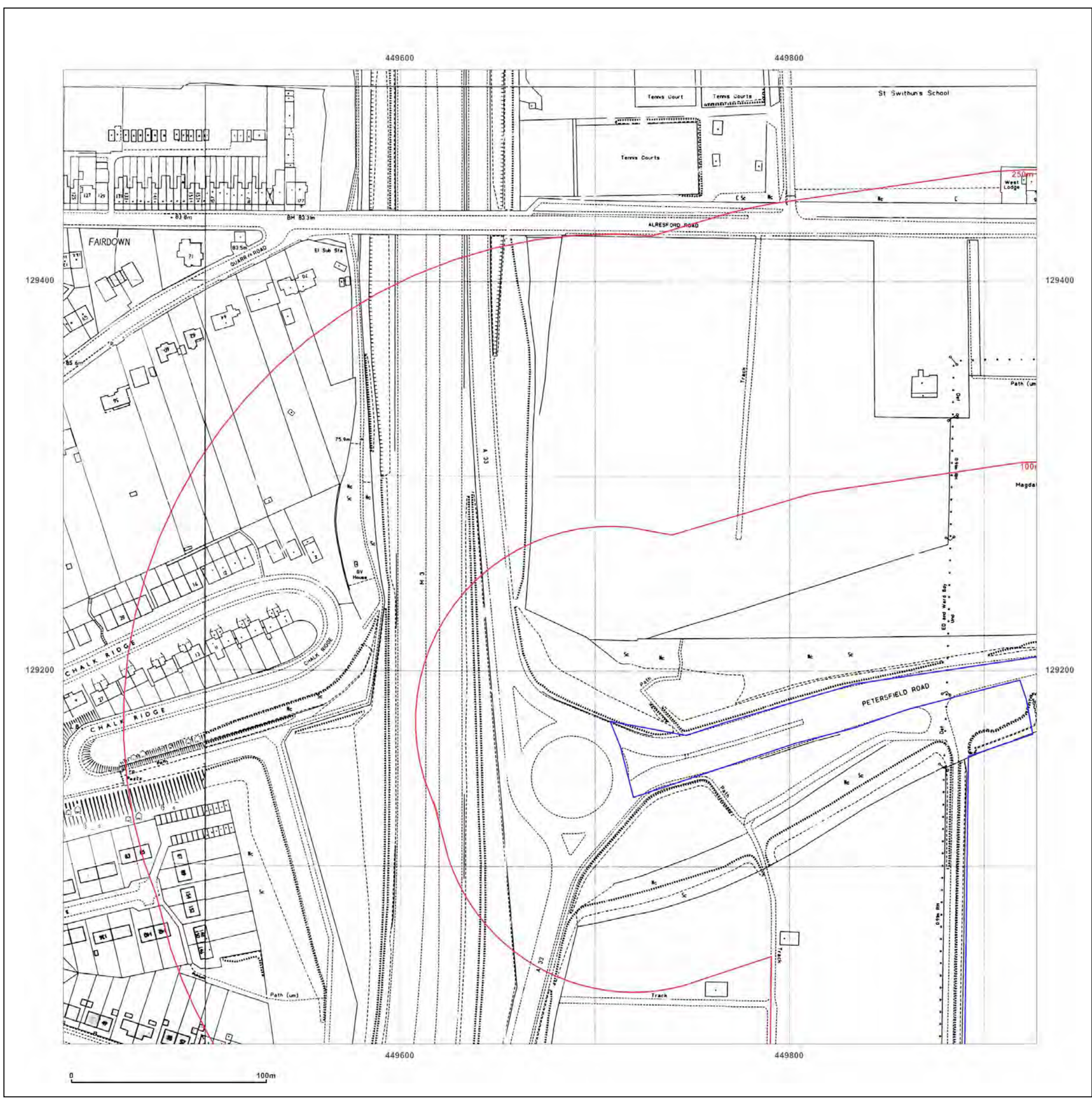


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Map legend available at:



Site Details:

450268.56815755053,
129011.43949057997

Client Ref: 33689_-_M3J9-_Site_3
Report Ref: GS-7137935_1250scale_1_2
Grid Ref: 449677, 129258

Map Name: National Grid

Map date: 1990-1993

Scale: 1:1,250

Printed at: 1:2,000



Surveyed N/A Revised N/A Edition N/A Copyright 1993 Levelled N/A	Surveyed N/A Revised N/A Edition N/A Copyright 1993 Levelled N/A
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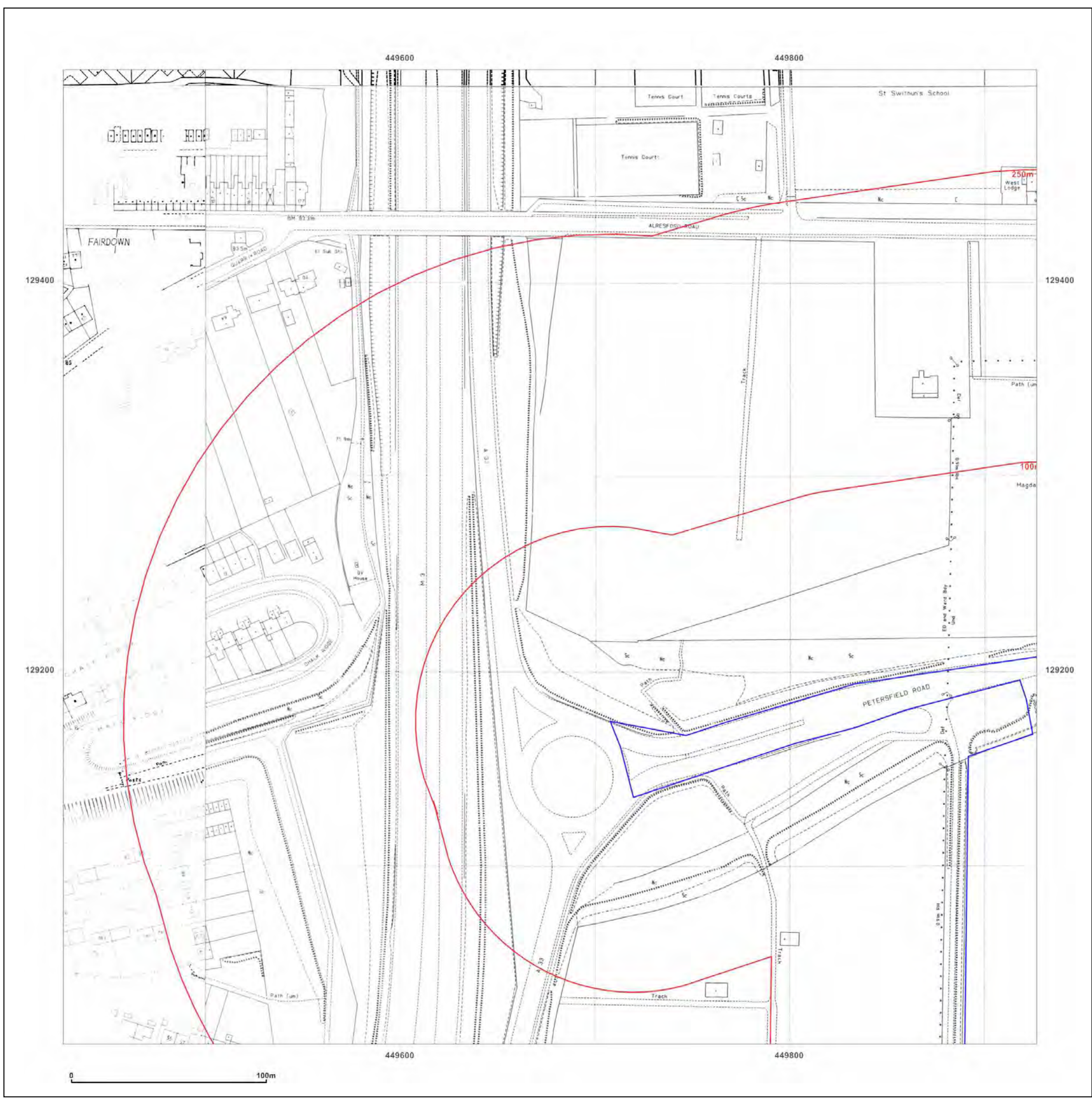


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Production date: 07 October 2020

Map legend available at:

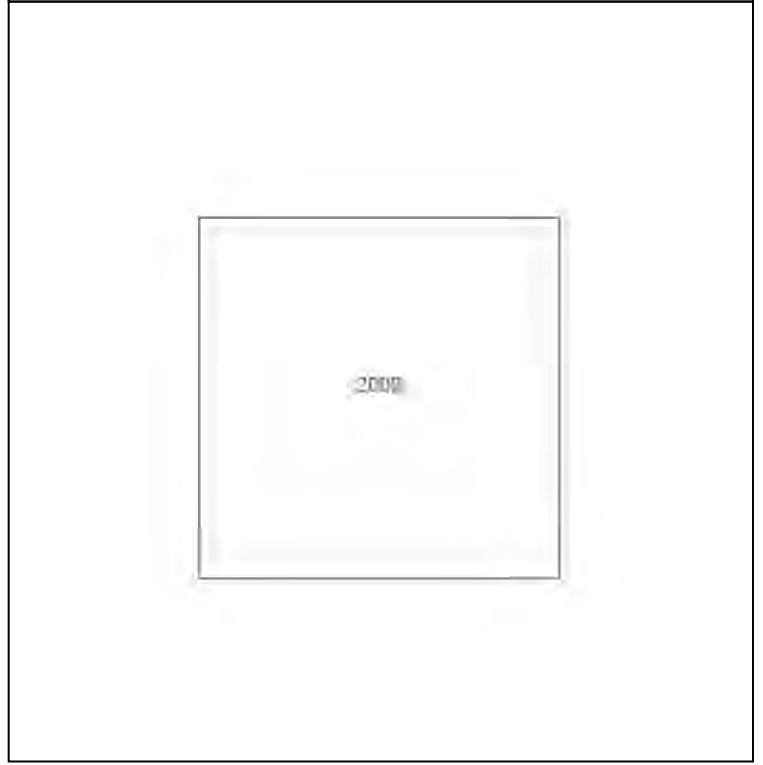
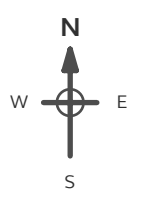


Site Details:

450268.56815755053,
129011.43949057997

Client Ref: 33689_-_M3J9_Site_3
Report Ref: GS-7137935_1250scale_1_2
Grid Ref: 449677, 129258

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

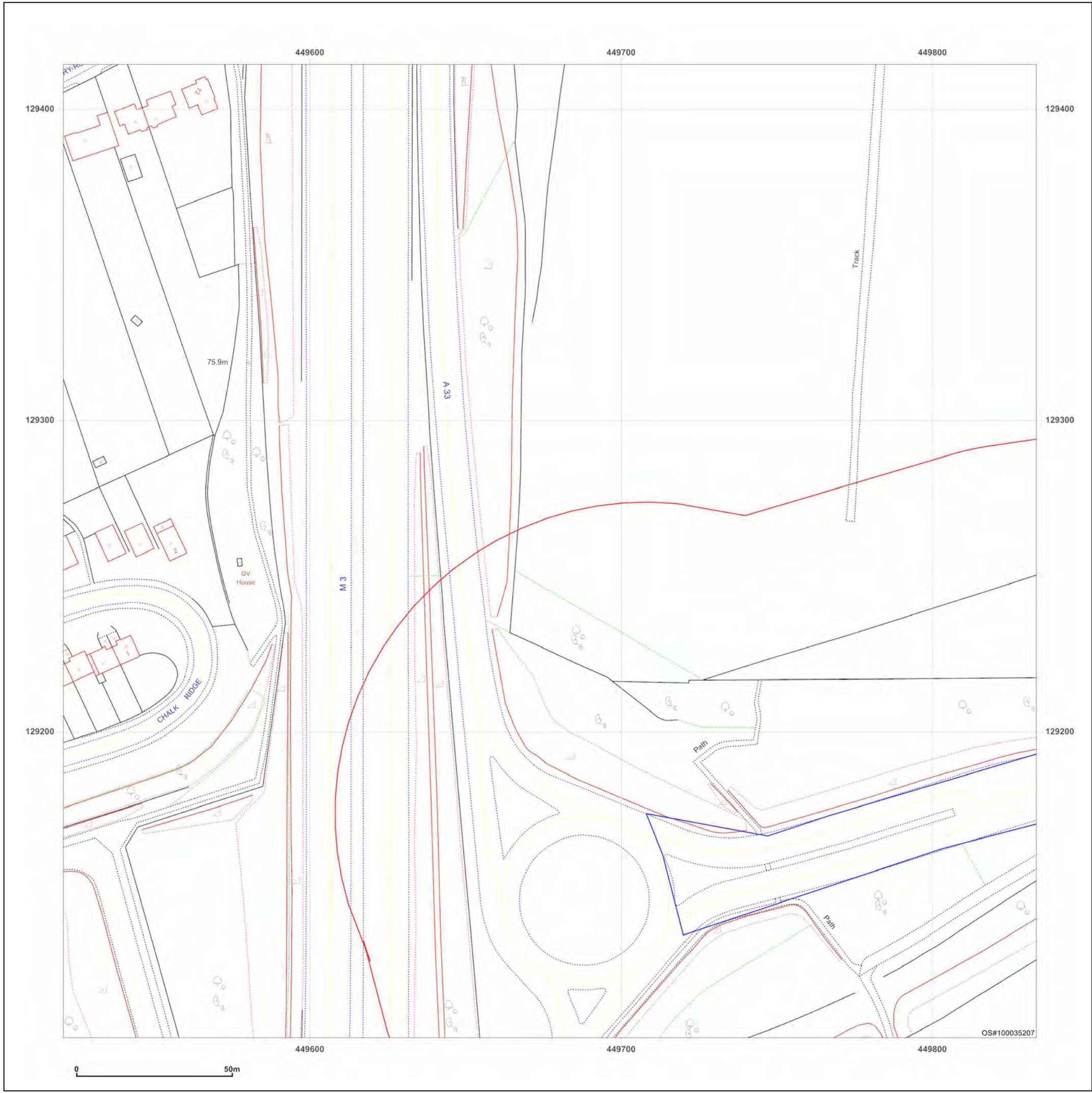


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Production date: 07 October 2020

Map legend available at:

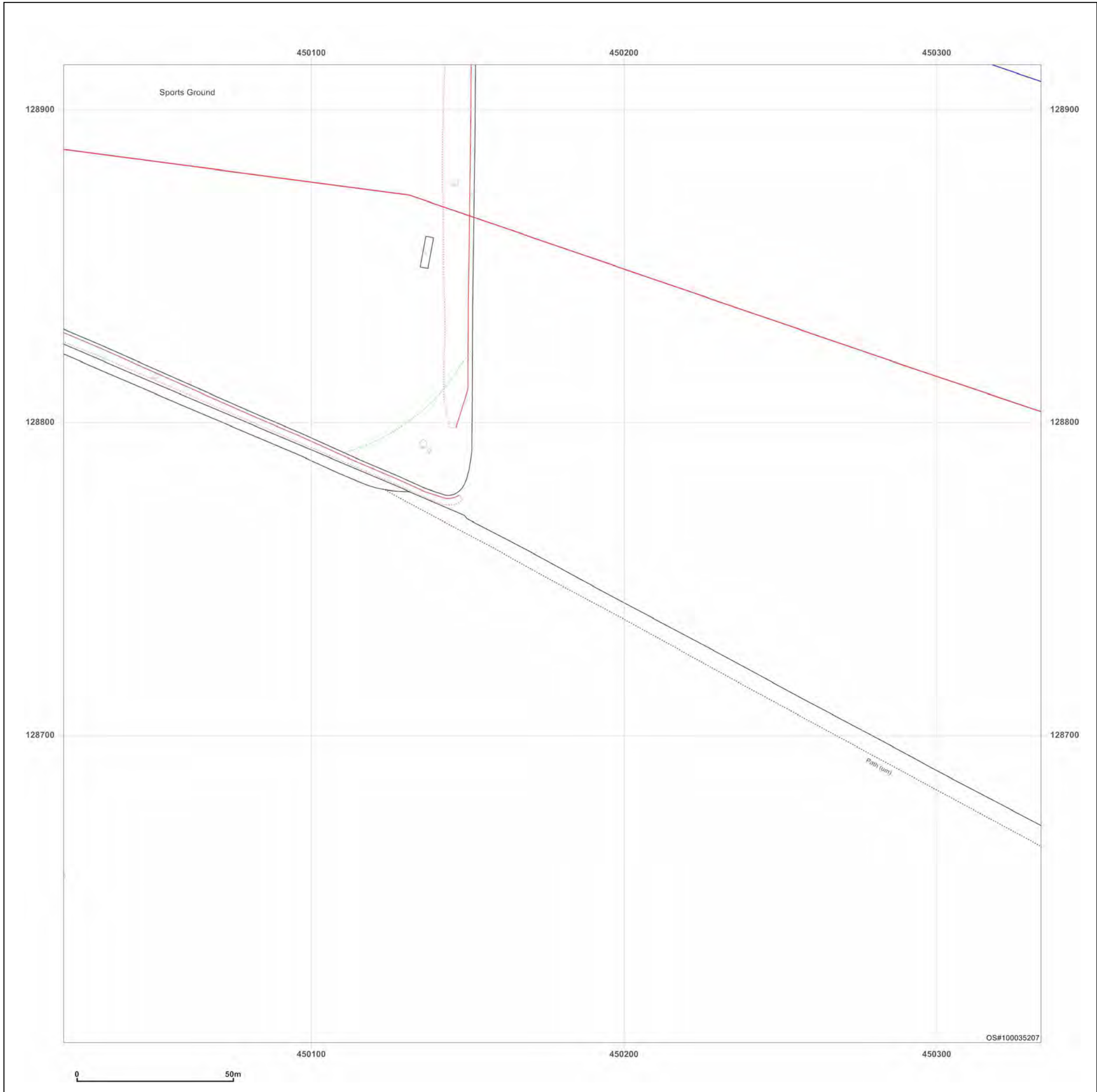
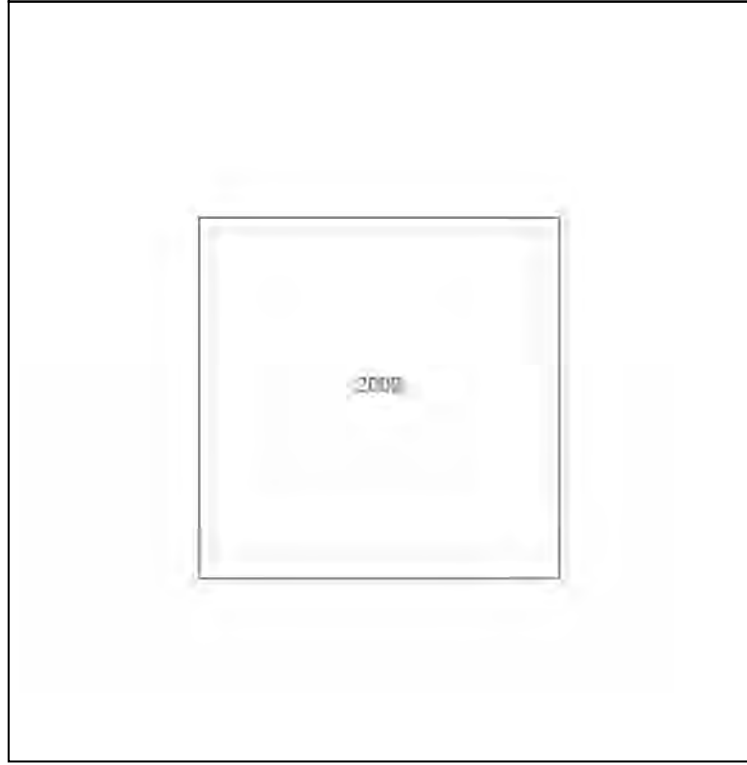


Site Details:

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129011.43949057997

Client Ref: 33689_-_M3J9-_Site_3
Report Ref: GS-7137935_1250scale_2_1
Grid Ref: 450177, 128758

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



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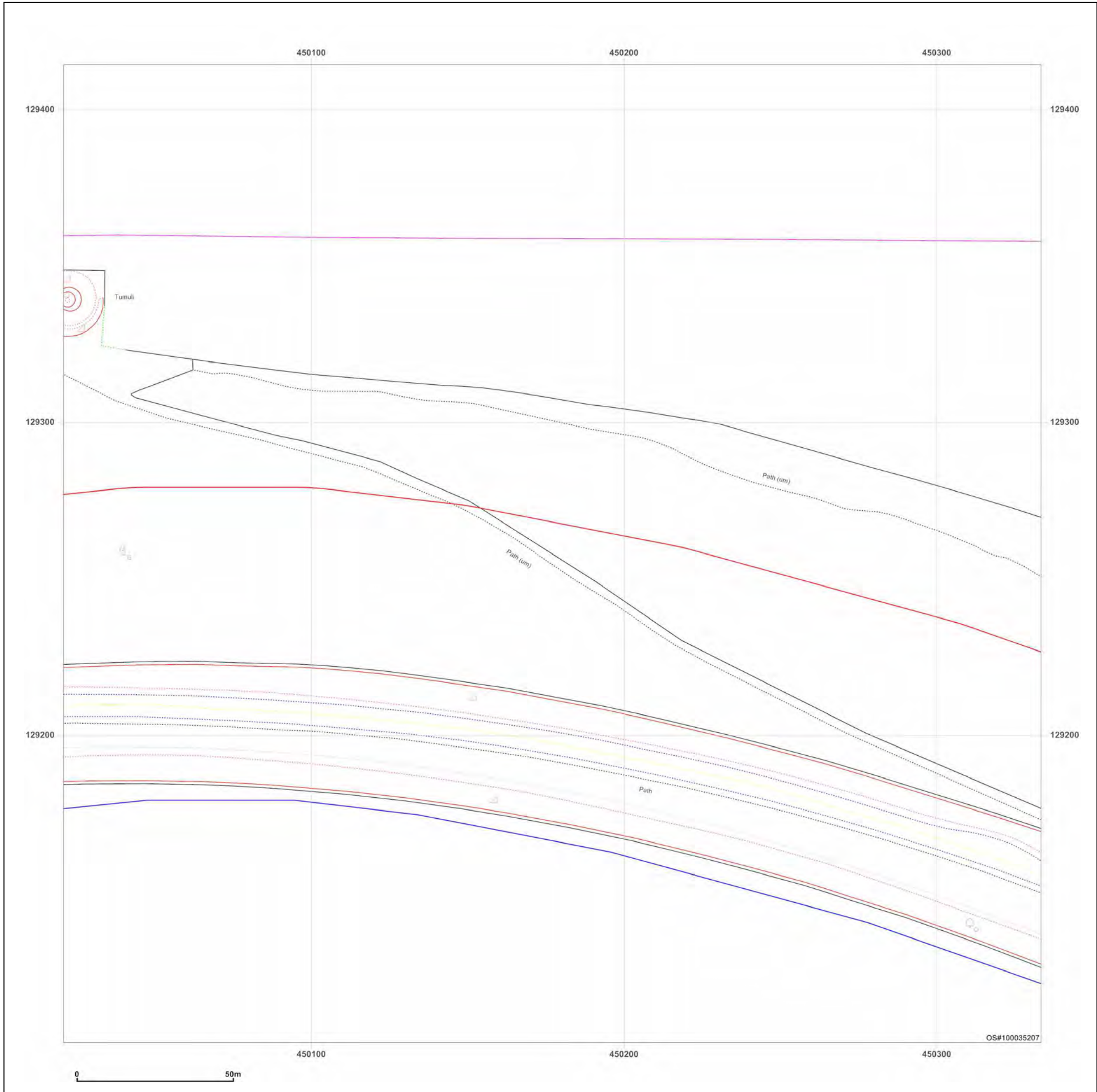
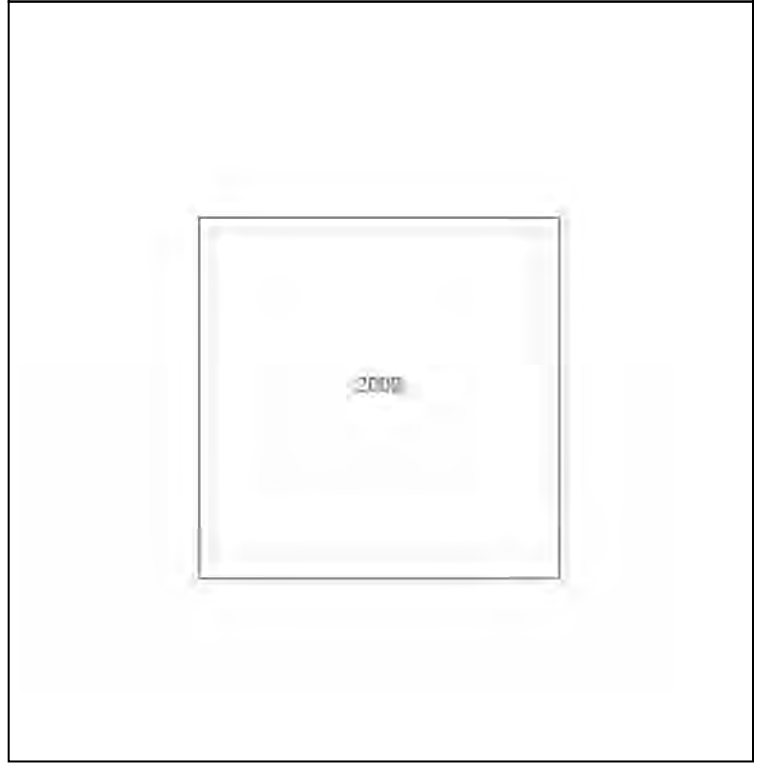
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Site Details:
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 129011.43949057997

Client Ref: 33689_-_M3J9_Site_3
Report Ref: GS-7137935_1250scale_2_2
Grid Ref: 450177, 129258

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



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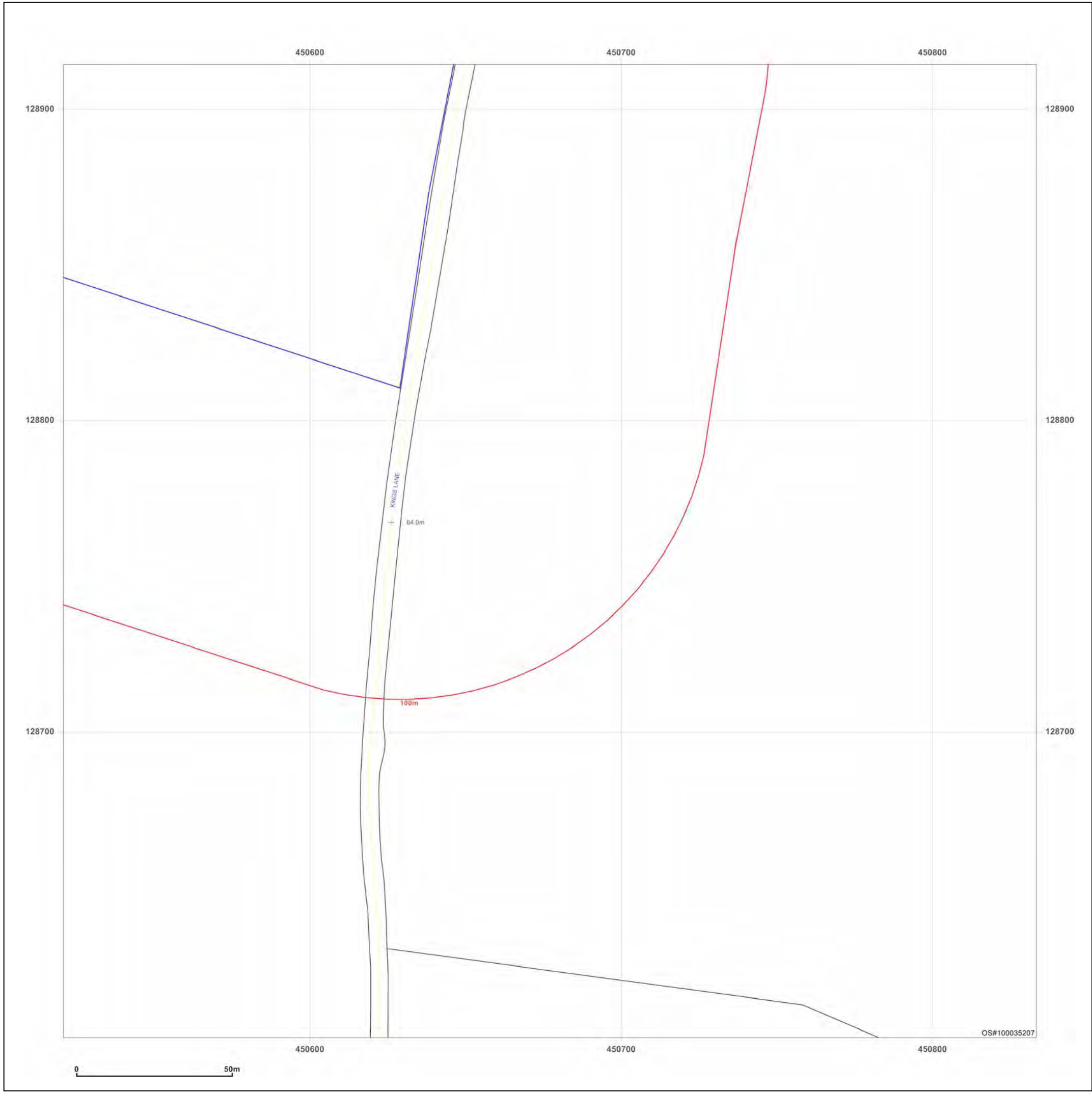
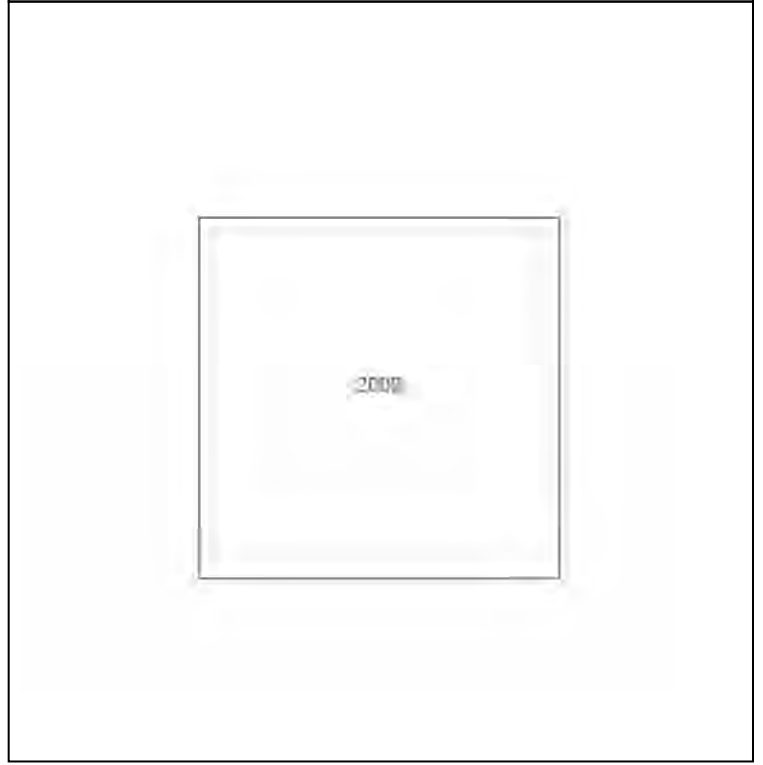
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Site Details:
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 129011.43949057997

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Report Ref: GS-7137935_1250scale_3_1
Grid Ref: 450677, 128758

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



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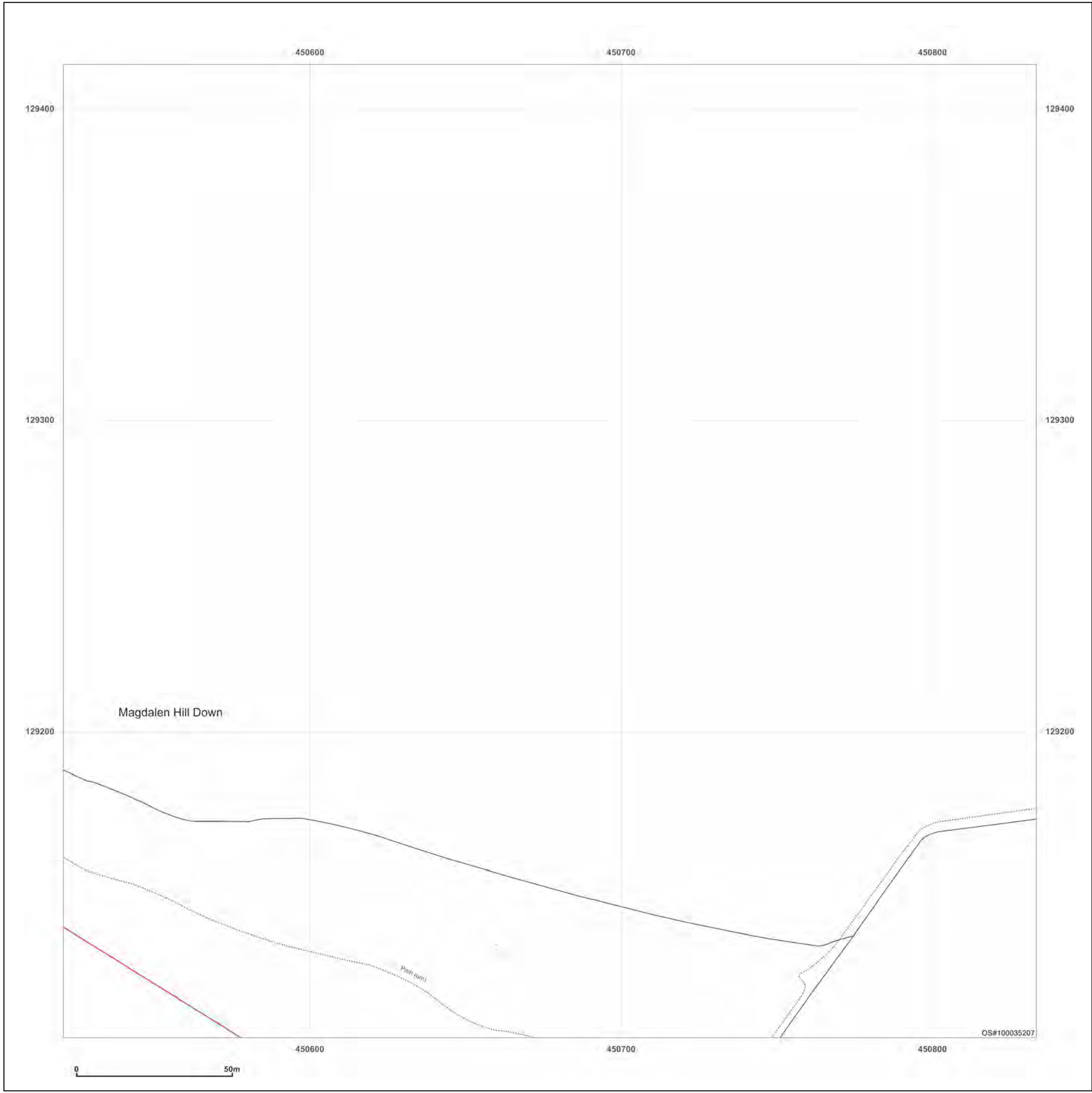
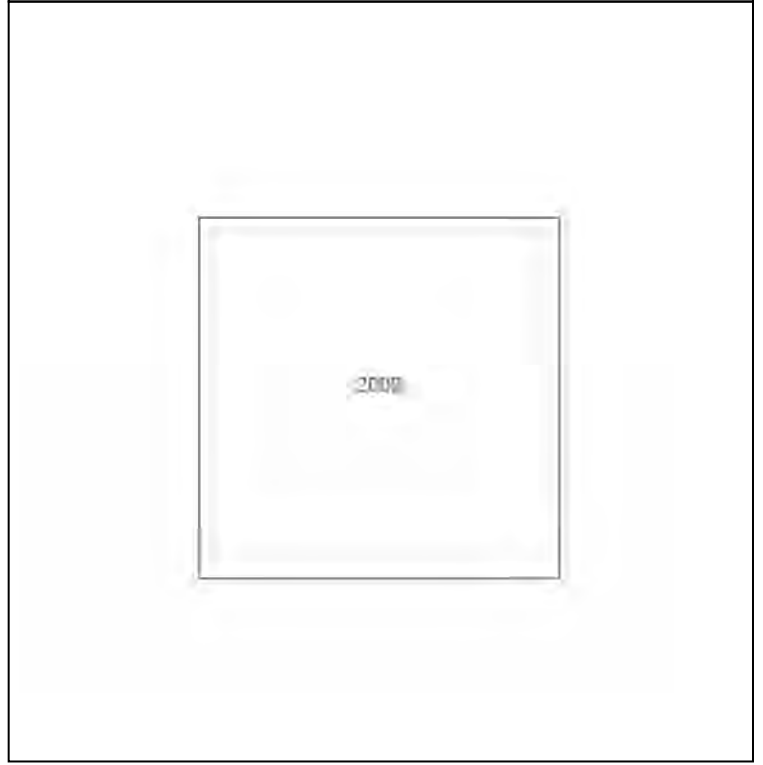
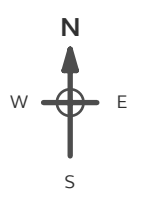
Production date: 07 October 2020

Map legend available at: 

Site Details:
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Report Ref: GS-7137935_1250scale_3_2
Grid Ref: 450677, 129258

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



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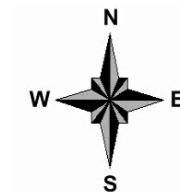
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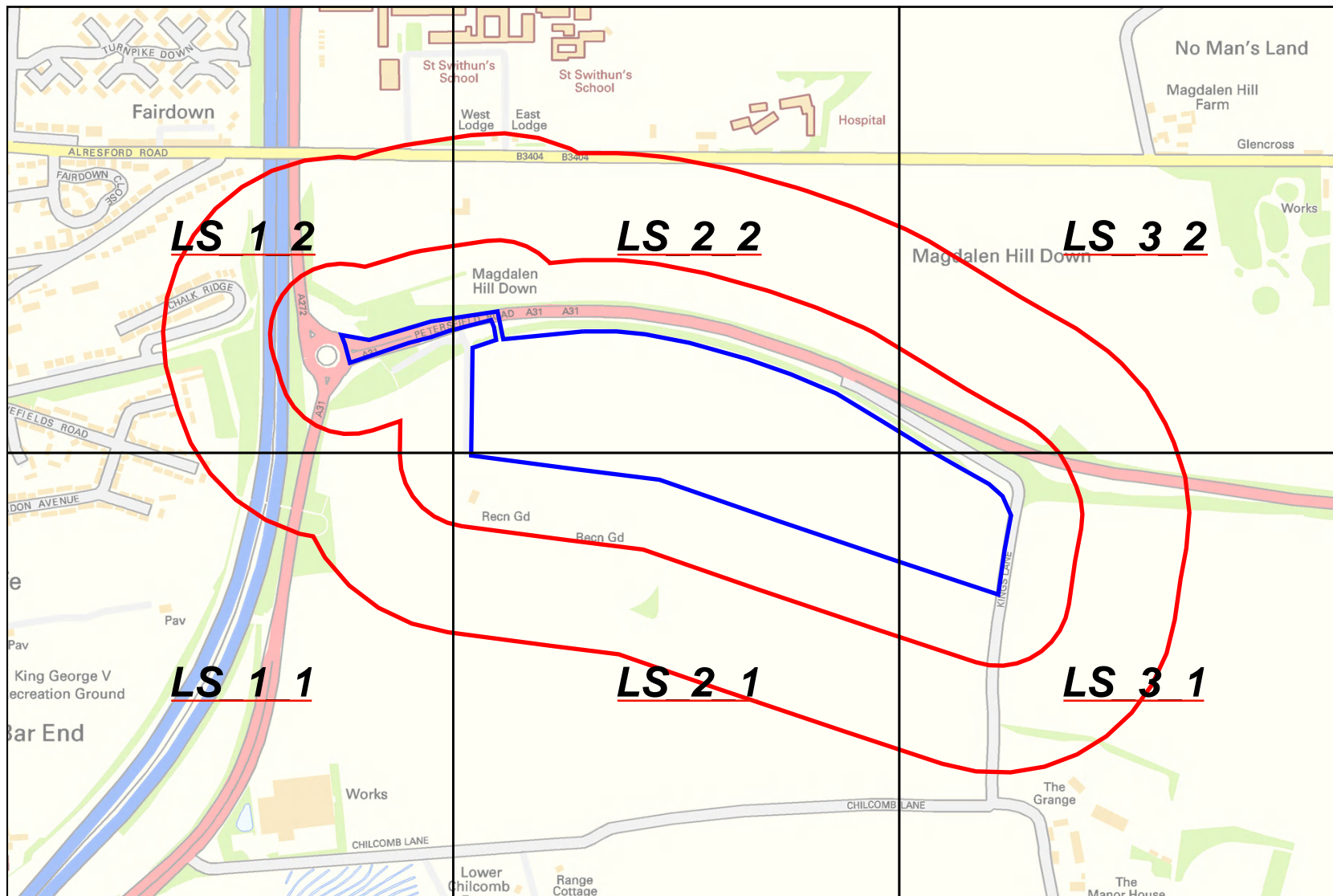



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1:2500 Scale Grid Index



Site Details:

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129011.43949057997

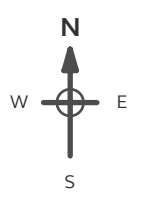
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Report Ref: GS-7137935_LS_1_1
Grid Ref: 449552, 128695

Map Name: County Series

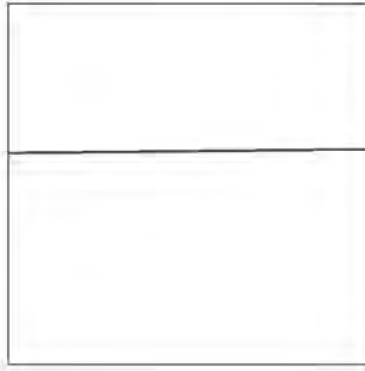
Map date: 1869-1870

Scale: 1:2,500

Printed at: 1:2,500



Surveyed 1870
Revised 1870
Edition N/A
Copyright N/A
Levelled N/A



Surveyed 1869
Revised 1869
Edition N/A
Copyright N/A
Levelled N/A

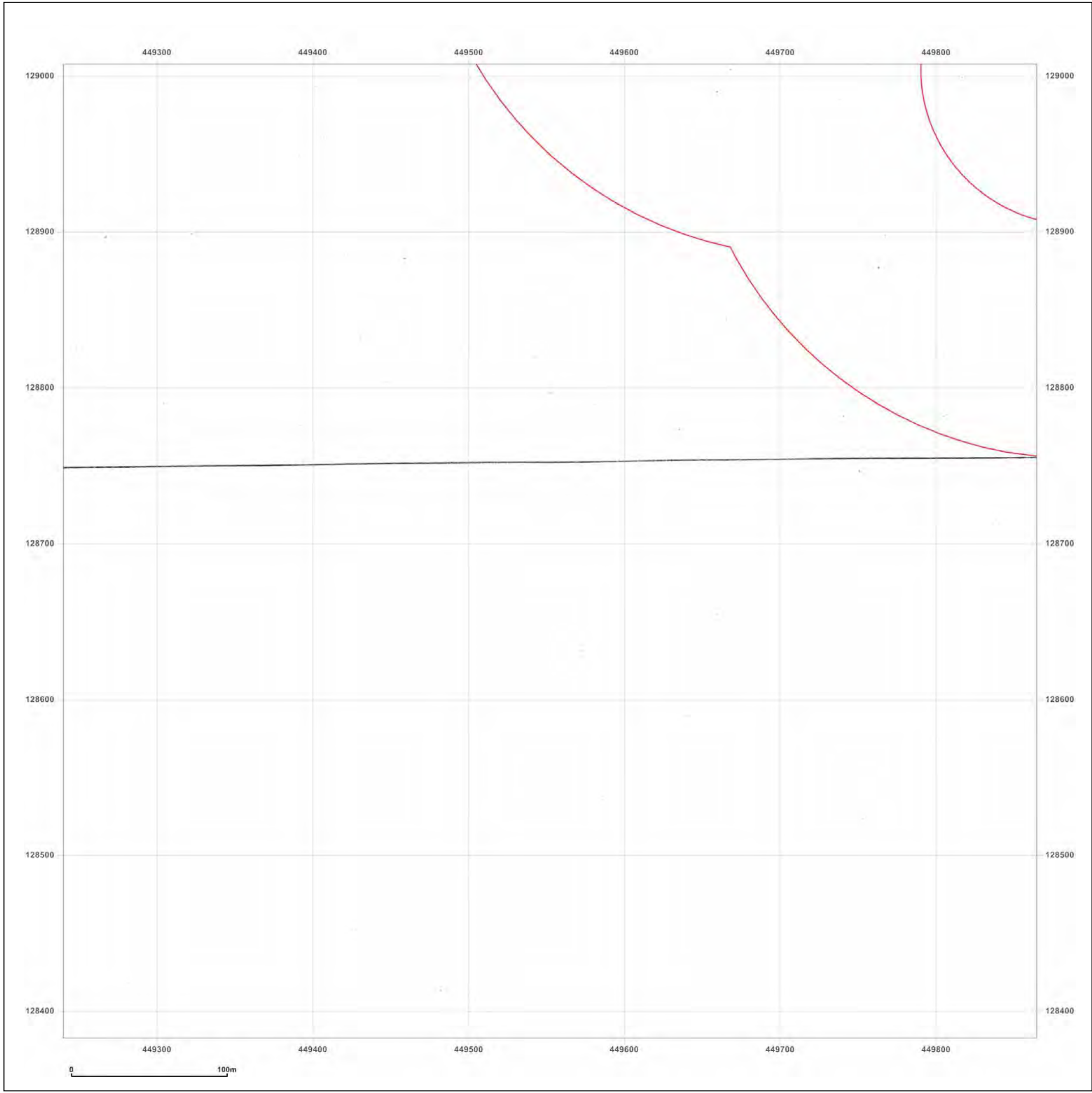


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Production date: 07 October 2020

Map legend available at:



Site Details:

450268.56815755053,
129011.43949057997

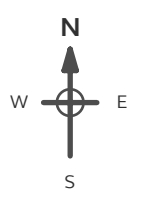
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Map Name: County Series

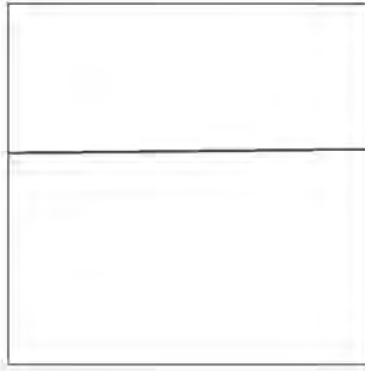
Map date: 1870

Scale: 1:2,500

Printed at: 1:2,500



Surveyed 1870
Revised 1870
Edition N/A
Copyright N/A
Levelled N/A



Surveyed 1870
Revised 1870
Edition N/A
Copyright N/A
Levelled N/A

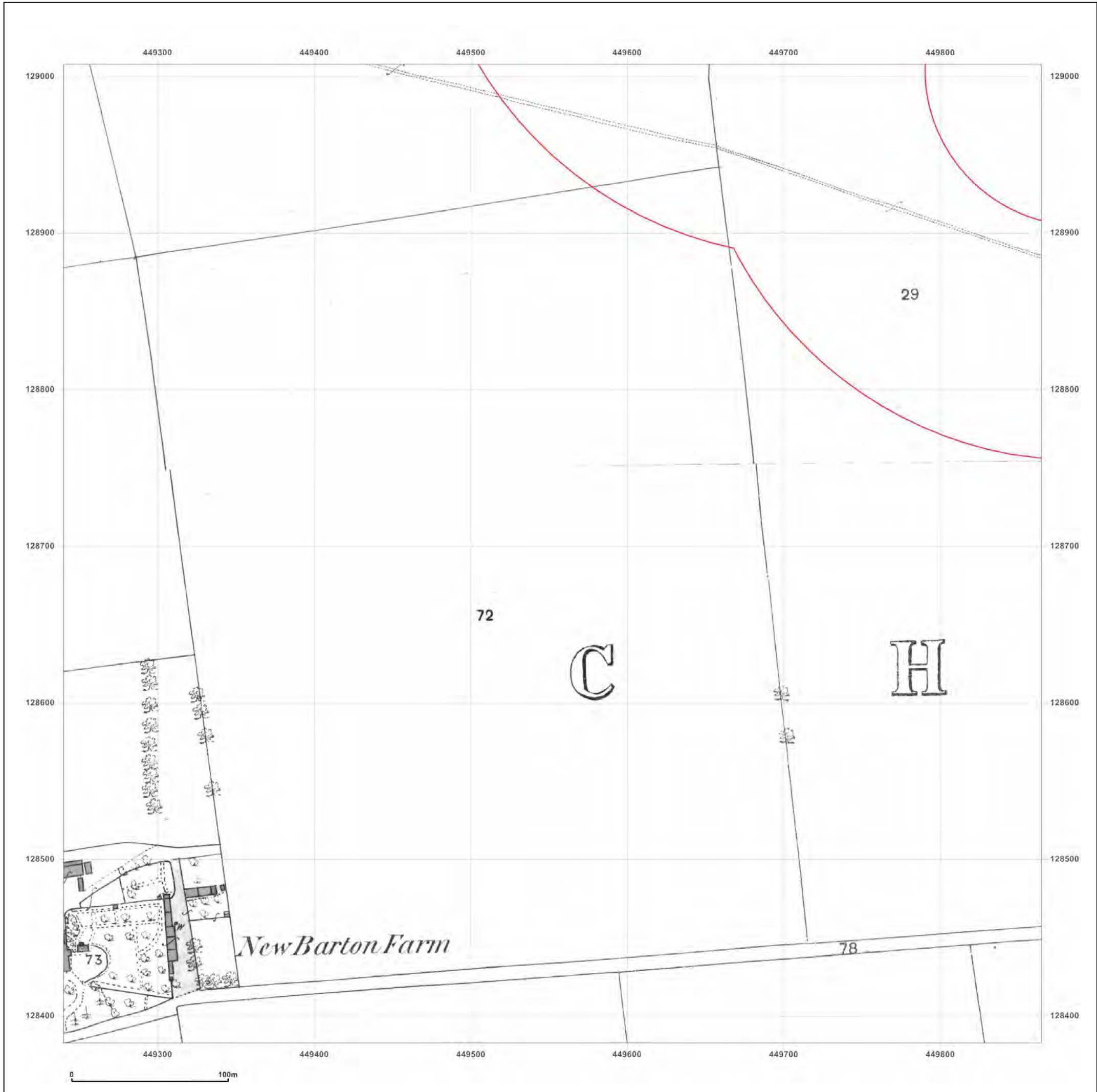


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Map legend available at:



Site Details:

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129011.43949057997

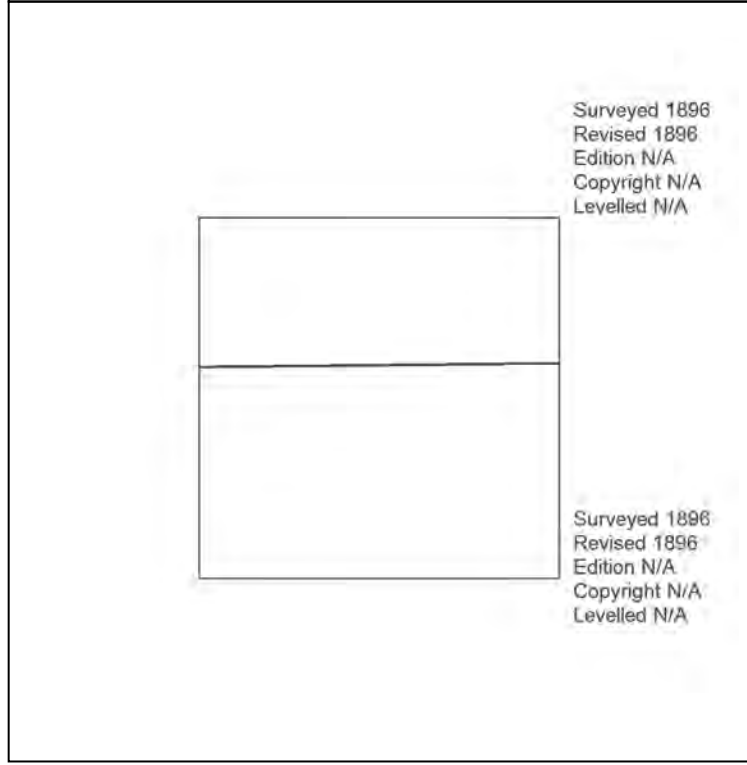
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Report Ref: GS-7137935_LS_1_1
Grid Ref: 449552, 128695

Map Name: County Series

Map date: 1896

Scale: 1:2,500

Printed at: 1:2,500



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Site Details:

450268.56815755053,
129011.43949057997

Client Ref: 33689_-_M3J9-_Site_3
Report Ref: GS-7137935_LS_1_1
Grid Ref: 449552, 128695

Map Name: County Series

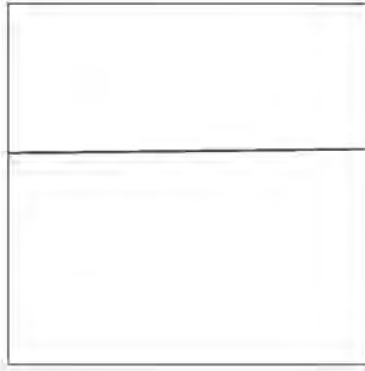
Map date: 1909

Scale: 1:2,500

Printed at: 1:2,500



Surveyed 1909
 Revised 1909
 Edition N/A
 Copyright N/A
 Levelled N/A



Surveyed 1909
 Revised 1909
 Edition N/A
 Copyright N/A
 Levelled N/A

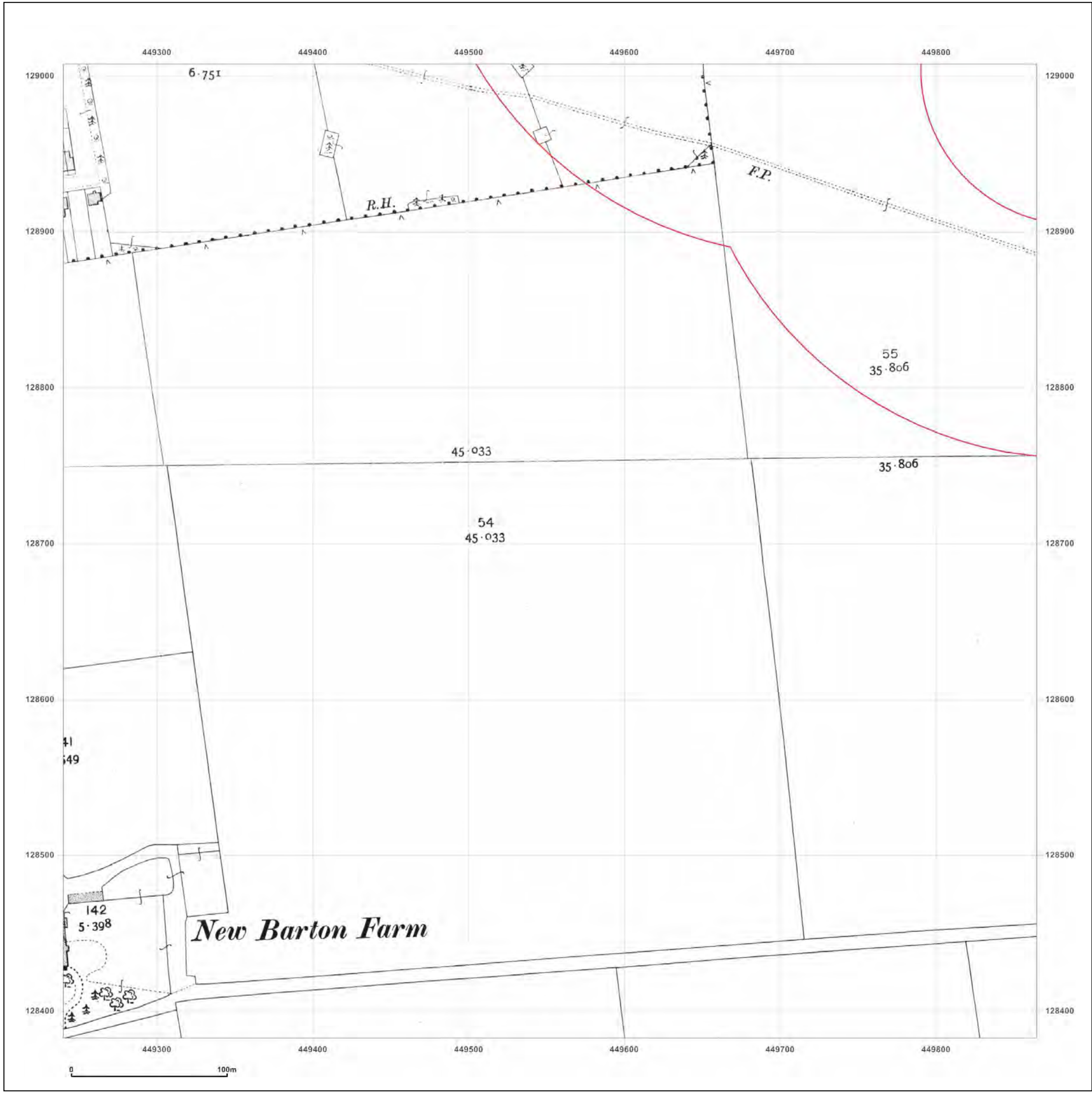


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Map legend available at:



Site Details:

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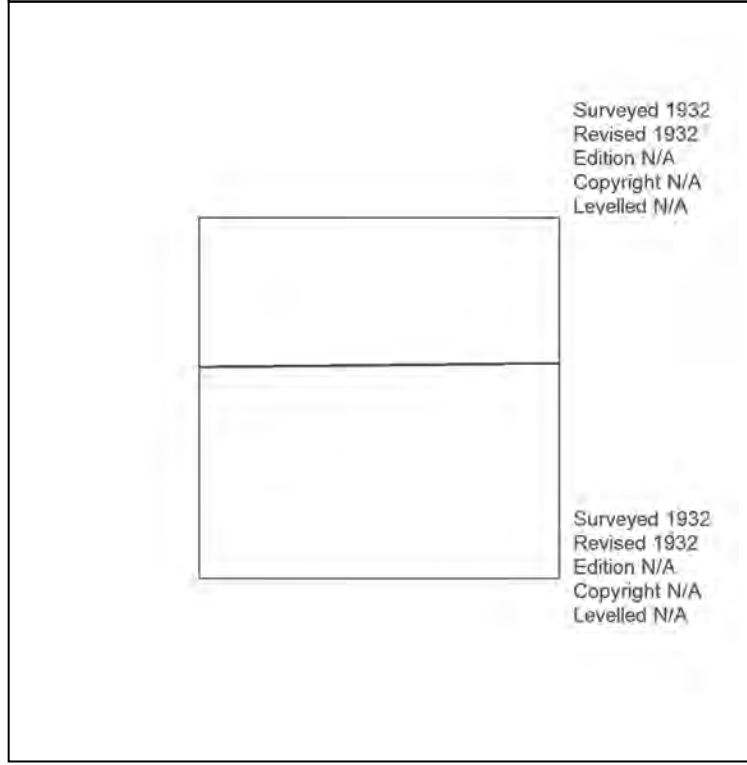
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Grid Ref: 449552, 128695

Map Name: County Series

Map date: 1932

Scale: 1:2,500

Printed at: 1:2,500

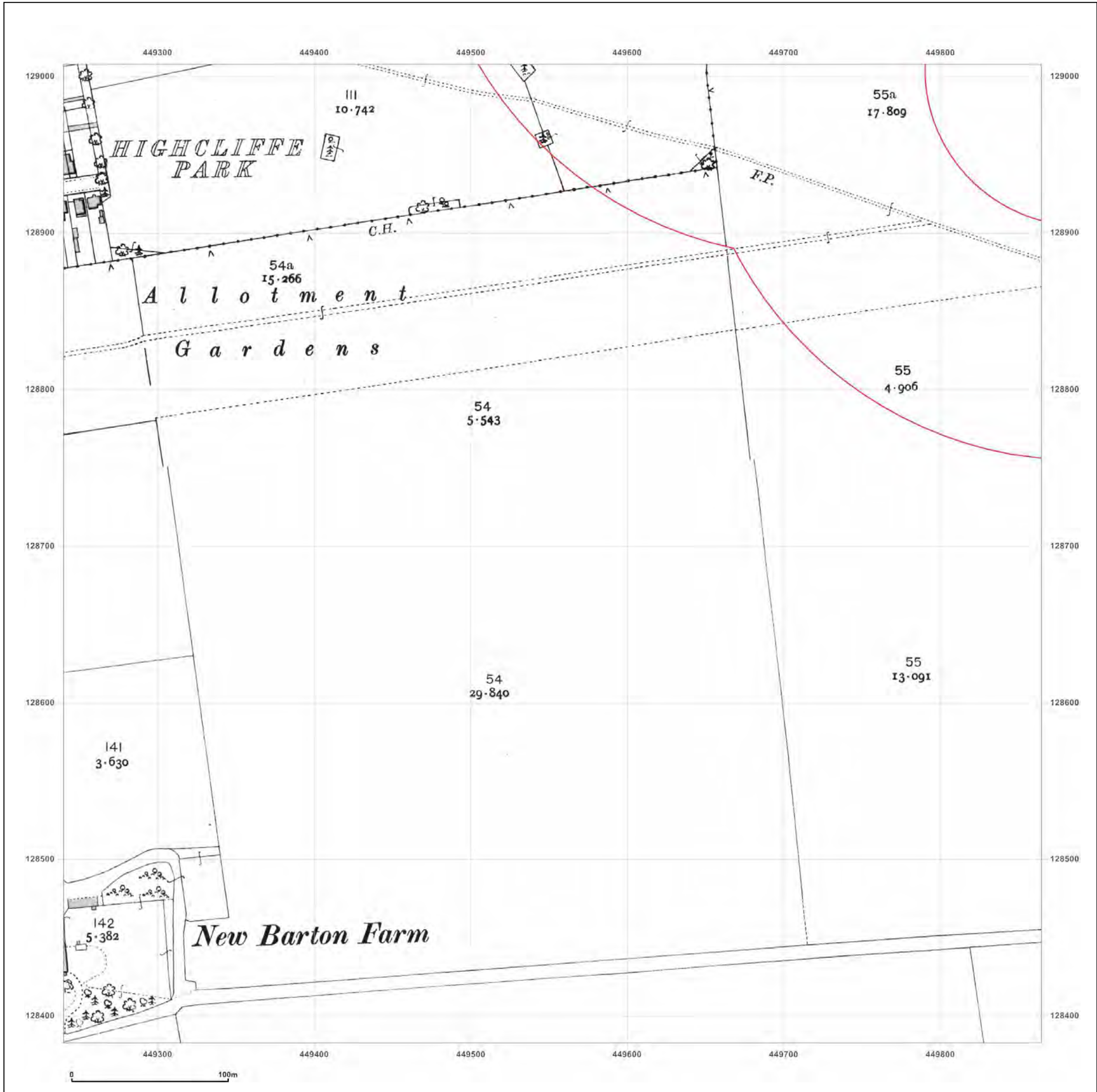


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Production date: 07 October 2020

Map legend available at:



Site Details:

450268.56815755053,
129011.43949057997

Client Ref: 33689_-M3J9-Site_3
Report Ref: GS-7137935_LS_1_1
Grid Ref: 449552, 128695

Map Name: County Series

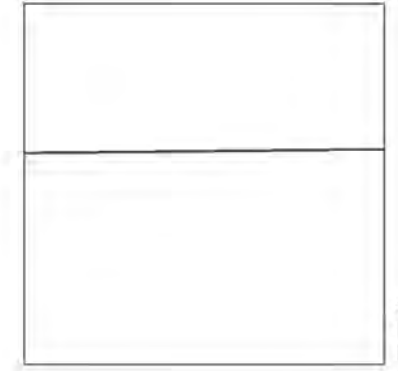
Map date: 1939-1940

Scale: 1:2,500

Printed at: 1:2,500



Surveyed 1939
Revised 1939
Edition N/A
Copyright N/A
Levelled N/A



Surveyed 1940
Revised 1940
Edition N/A
Copyright N/A
Levelled N/A

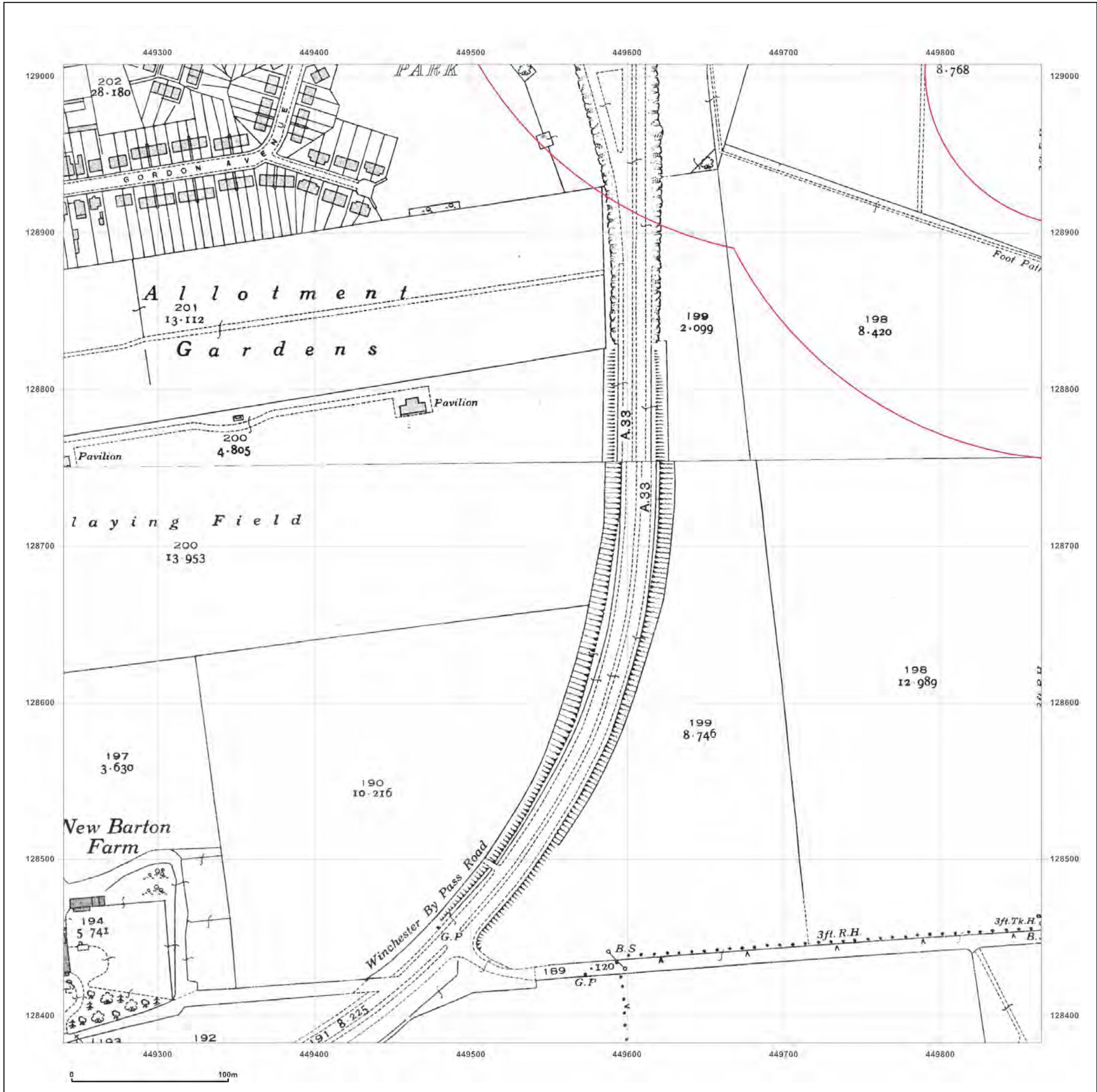


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Production date: 07 October 2020

Map legend available at:



Site Details:

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129011.43949057997

Client Ref: 33689_-_M3J9-_Site_3
Report Ref: GS-7137935_LS_1_1
Grid Ref: 449552, 128695

Map Name: National Grid

Map date: 1951-1952

Scale: 1:2,500

Printed at: 1:2,500



Surveyed 1952
Revised 1952
Edition N/A
Copyright N/A
Levelled 1940

Surveyed 1951
Revised 1951
Edition N/A
Copyright N/A
Levelled 1940

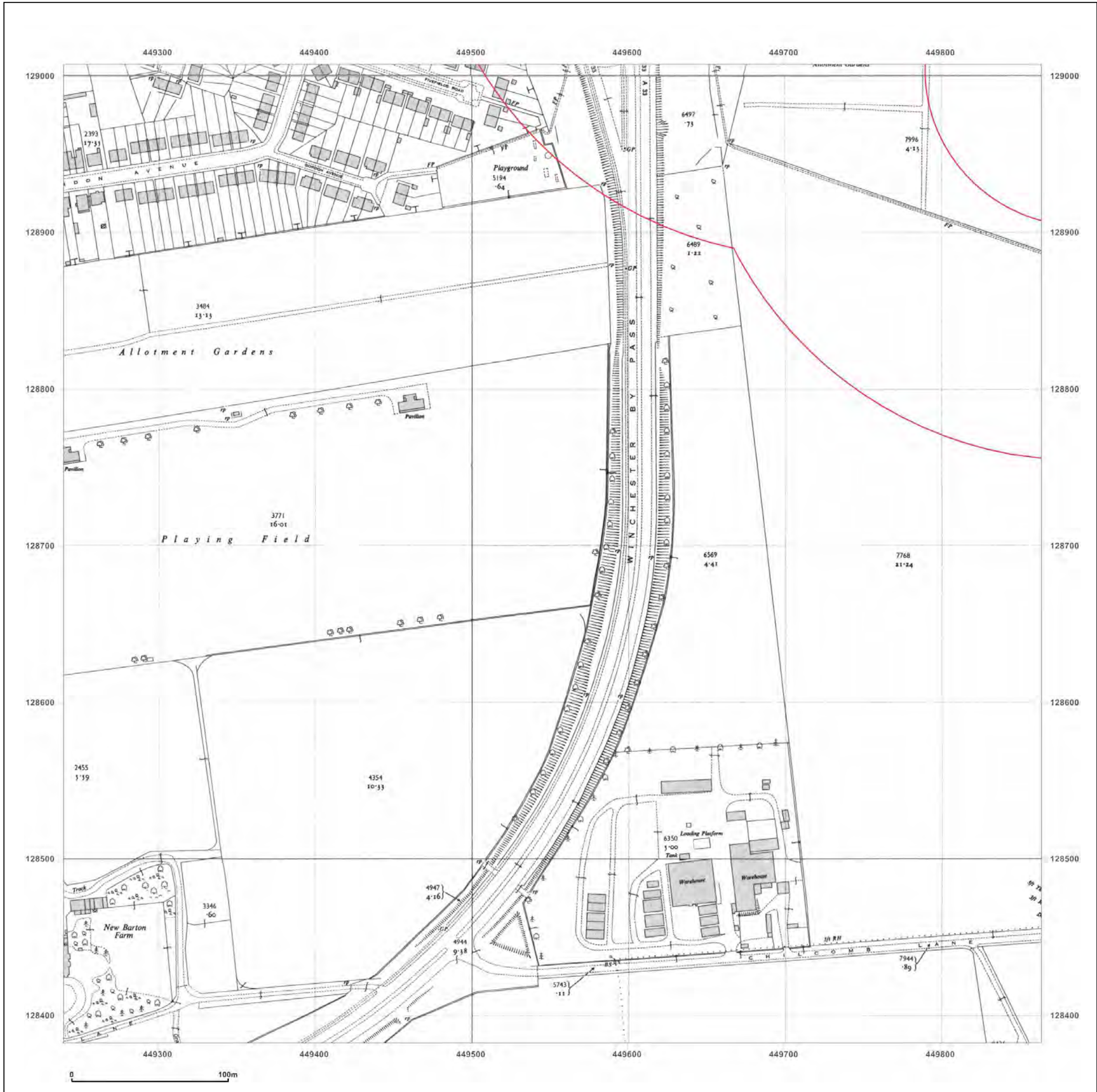


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Map legend available at:



Site Details:

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129011.43949057997

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Report Ref: GS-7137935_LS_1_2
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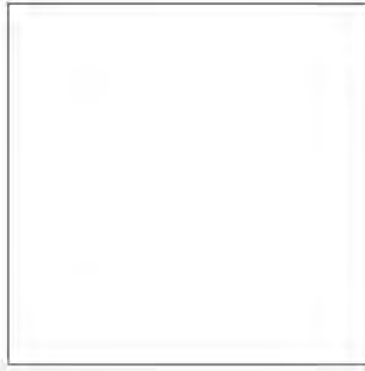
Map Name: County Series

Map date: 1870

Scale: 1:2,500

Printed at: 1:2,500





Surveyed 1870
 Revised 1870
 Edition N/A
 Copyright N/A
 Levelled N/A

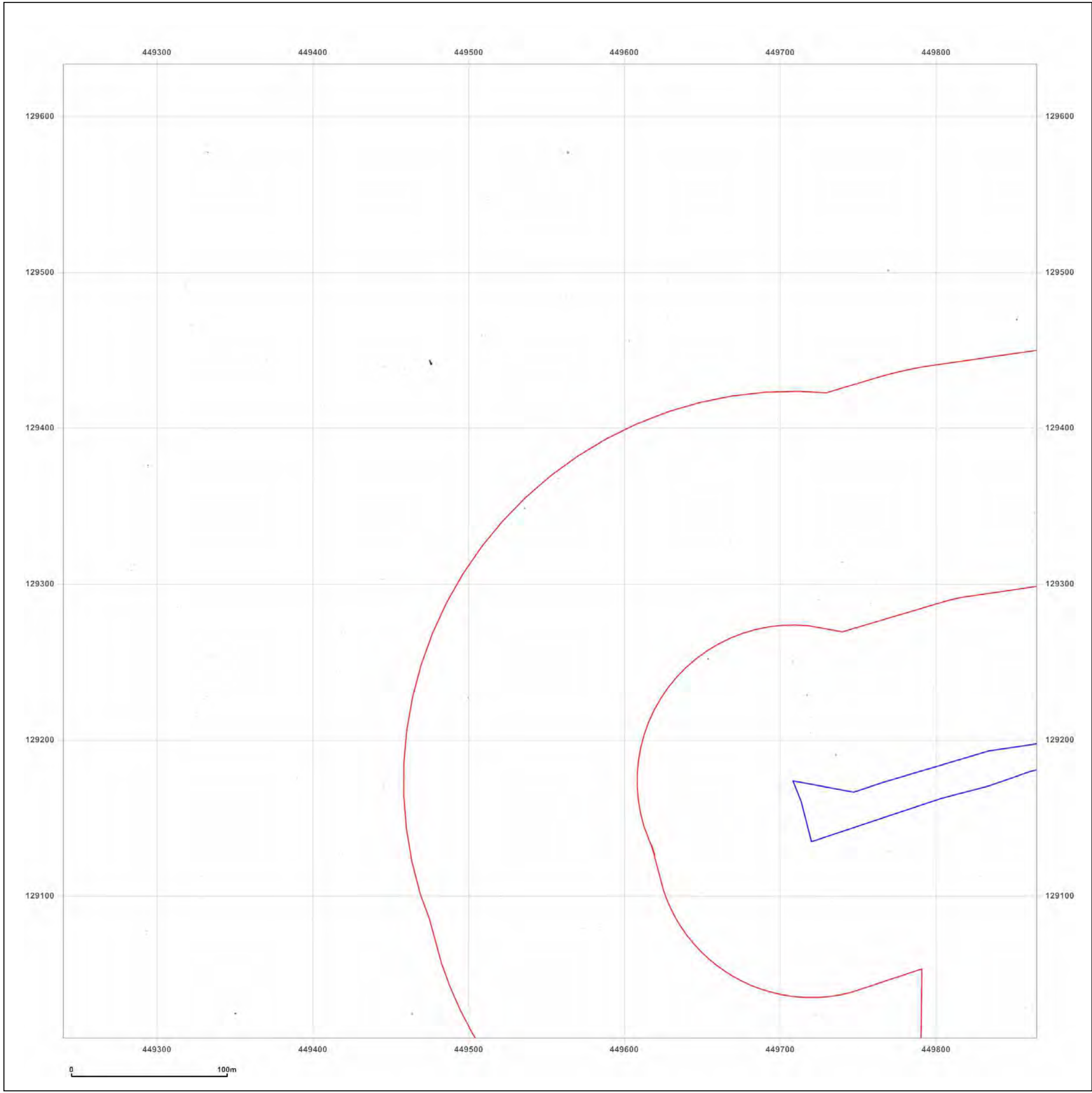


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Production date: 07 October 2020

Map legend available at:



Site Details:
 450268.56815755053,
 129011.43949057997

Client Ref: 33689_-M3J9-Site_3
Report Ref: GS-7137935_LS_1_2
Grid Ref: 449552, 129321

Map Name: County Series
Map date: 1870
Scale: 1:2,500
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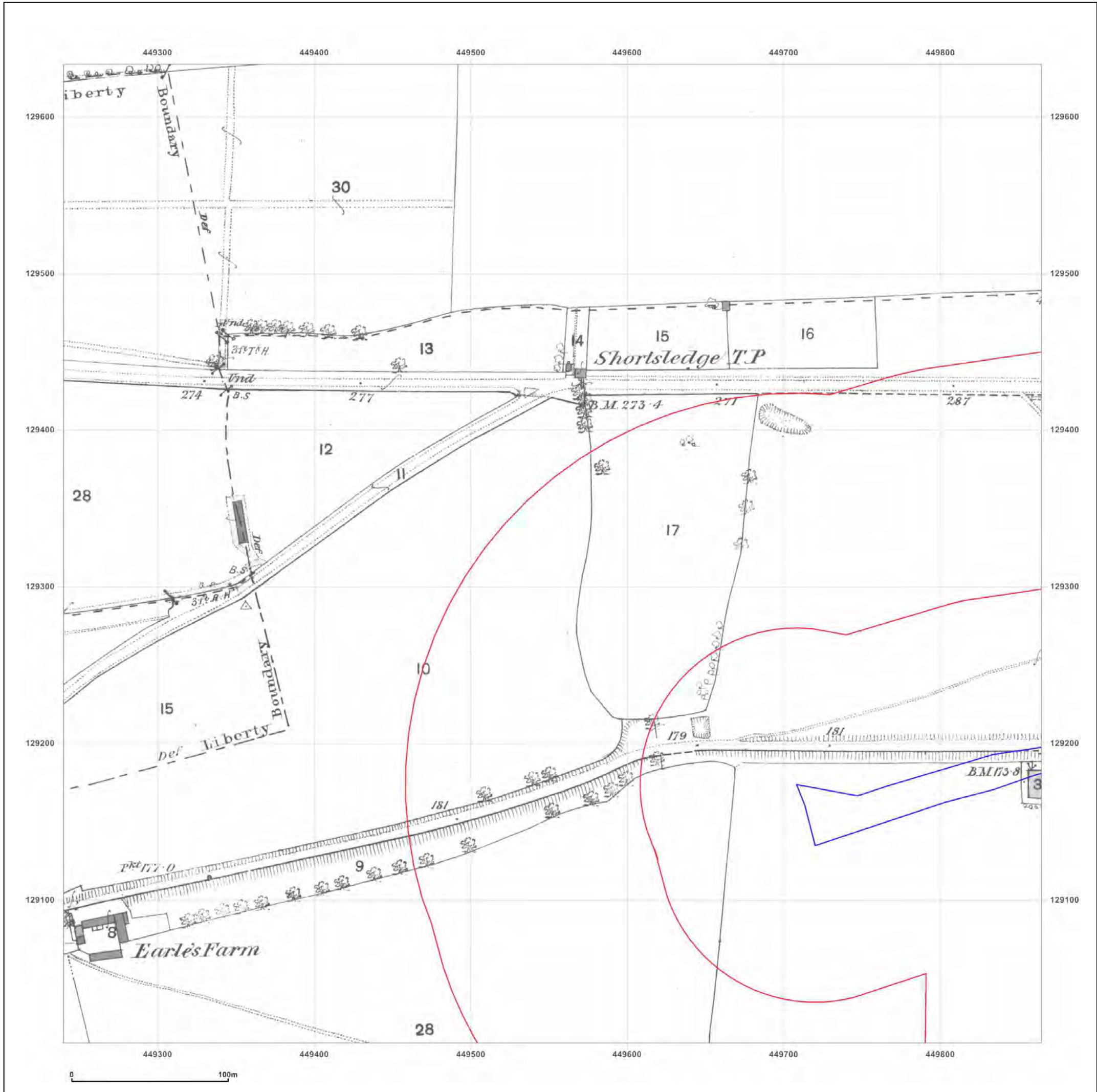
Surveyed 1870
 Revised 1870
 Edition N/A
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Production date: 07 October 2020

Map legend available at: 



Site Details:
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 129011.43949057997

Client Ref: 33689_-M3J9-Site_3
Report Ref: GS-7137935_LS_1_2
Grid Ref: 449552, 129321

Map Name: County Series
Map date: 1896
Scale: 1:2,500
Printed at: 1:2,500



Surveyed 1896
 Revised 1896
 Edition N/A
 Copyright N/A
 Levelled N/A

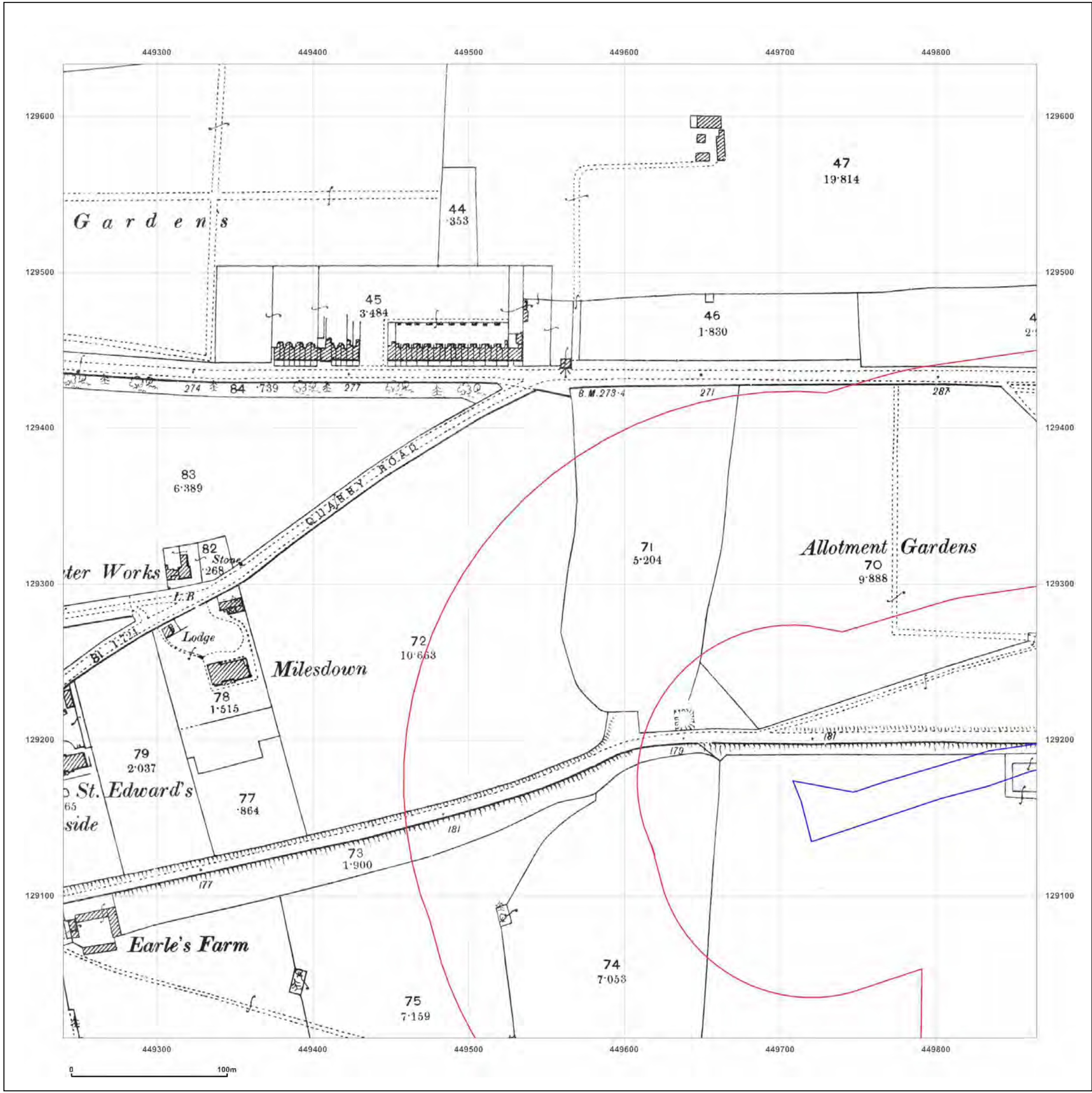
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Production date: 07 October 2020

Map legend available at:



Site Details:

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Report Ref: GS-7137935_LS_1_2
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Map Name: County Series

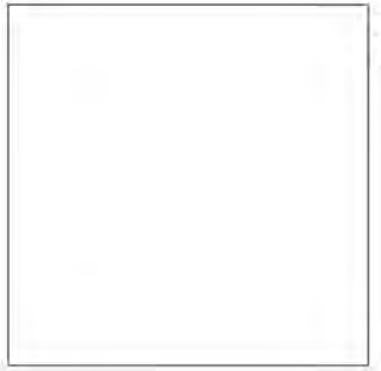
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Surveyed 1909
Revised 1909
Edition N/A
Copyright N/A
Levelled N/A



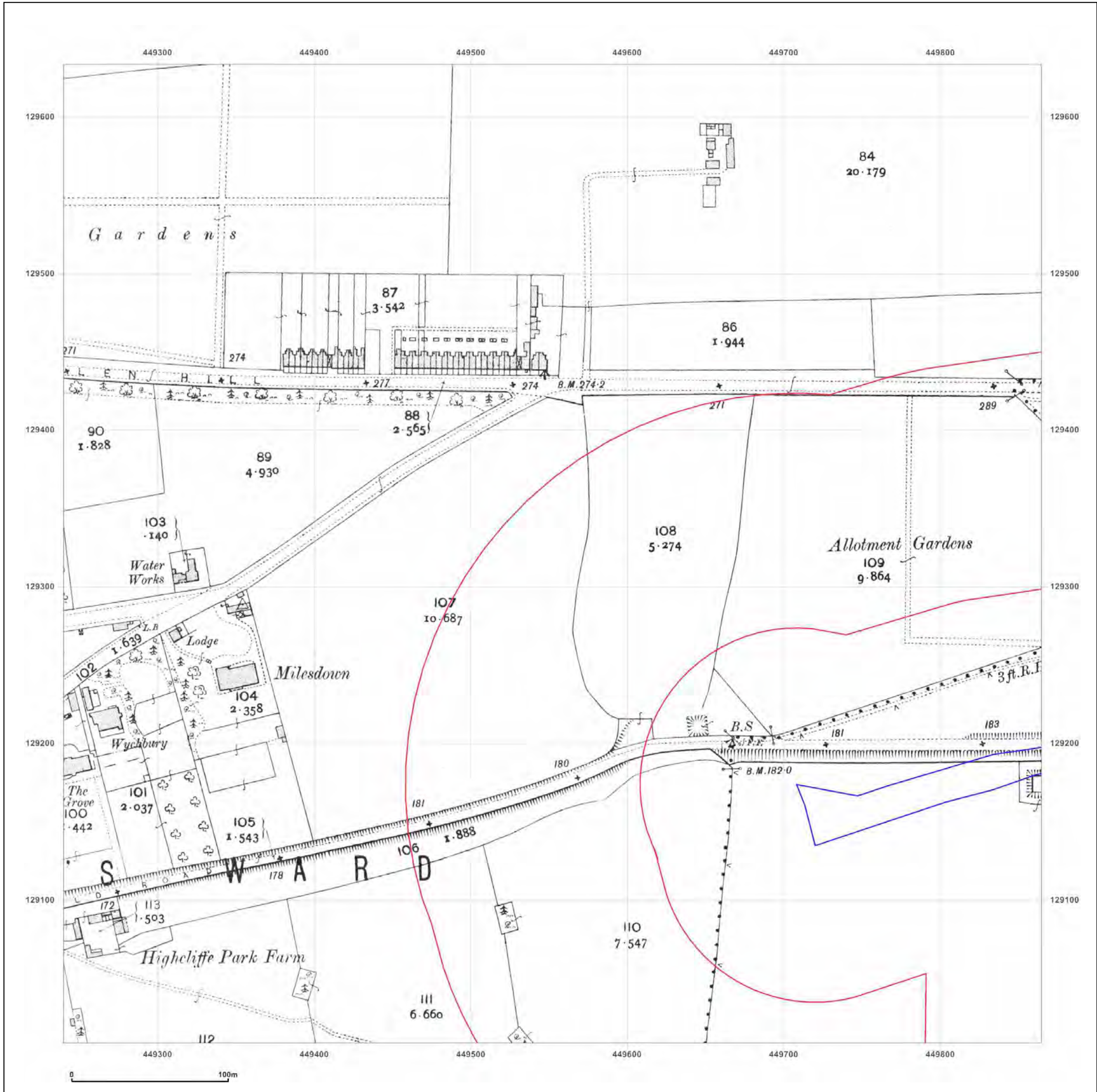


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Production date: 07 October 2020

Map legend available at:



Site Details:

450268.56815755053,
129011.43949057997

Client Ref: 33689_-_M3J9-_Site_3
Report Ref: GS-7137935_LS_1_2
Grid Ref: 449552, 129321

Map Name: County Series

Map date: 1932

Scale: 1:2,500

Printed at: 1:2,500



Surveyed 1932
Revised 1932
Edition N/A
Copyright N/A
Levelled N/A

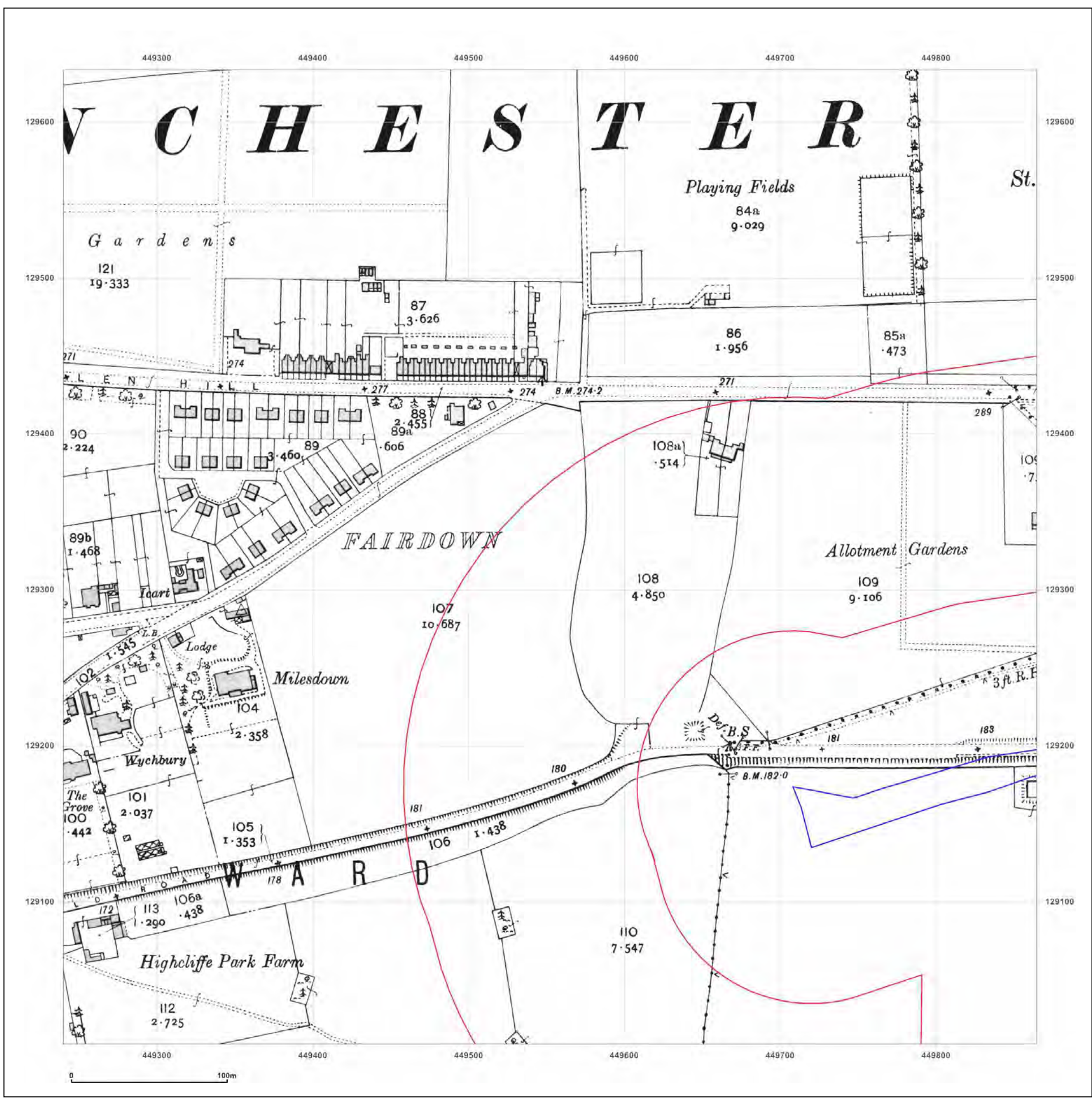


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Production date: 07 October 2020

Map legend available at:



Site Details:

450268.56815755053,
129011.43949057997

Client Ref: 33689_-_M3J9-_Site_3
Report Ref: GS-7137935_LS_1_2
Grid Ref: 449552, 129321

Map Name: County Series

Map date: 1939

Scale: 1:2,500

Printed at: 1:2,500



Surveyed 1939
Revised 1939
Edition N/A
Copyright N/A
Levelled N/A

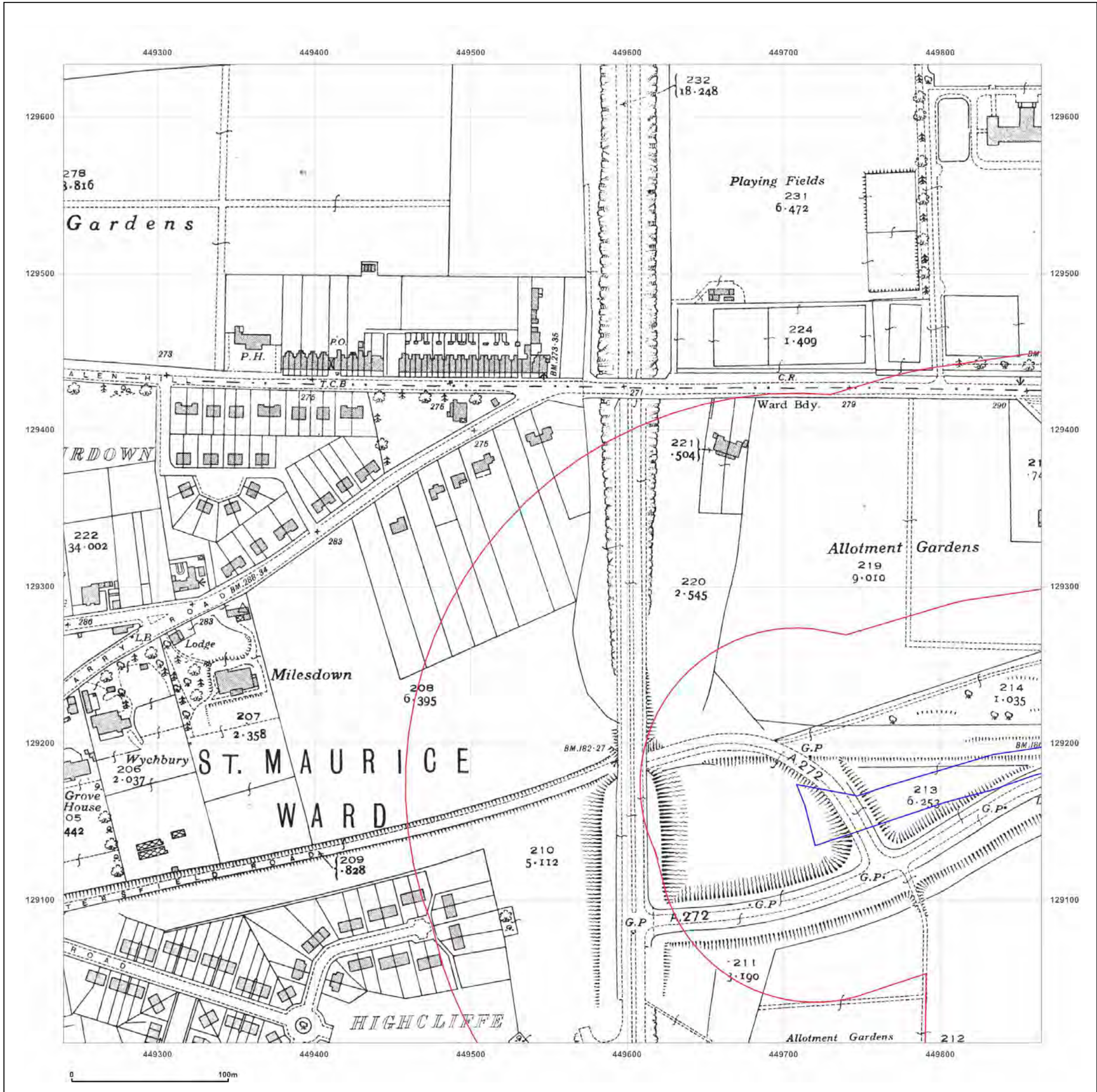


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Map legend available at:



Site Details:

450268.56815755053,
129011.43949057997

Client Ref: 33689_-_M3J9-_Site_3
Report Ref: GS-7137935_LS_1_2
Grid Ref: 449552, 129321

Map Name: National Grid

Map date: 1952

Scale: 1:2,500

Printed at: 1:2,500



Surveyed 1952
Revised 1952
Edition N/A
Copyright N/A
Levelled 1940



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Map legend available at:



Site Details:

450268.56815755053,
129011.43949057997

Client Ref: 33689_-_M3J9-_Site_3
Report Ref: GS-7137935_LS_1_2
Grid Ref: 449552, 129321

Map Name: National Grid

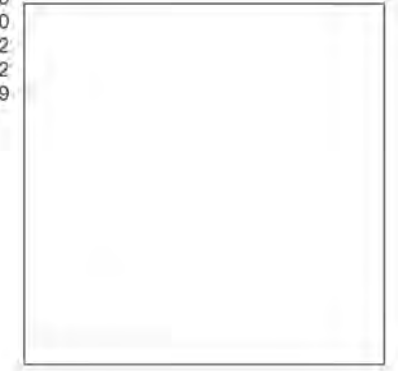
Map date: 1960

Scale: 1:2,500

Printed at: 1:2,500



Surveyed 1960
Revised 1960
Edition 1962
Copyright 1962
Levelled 1959

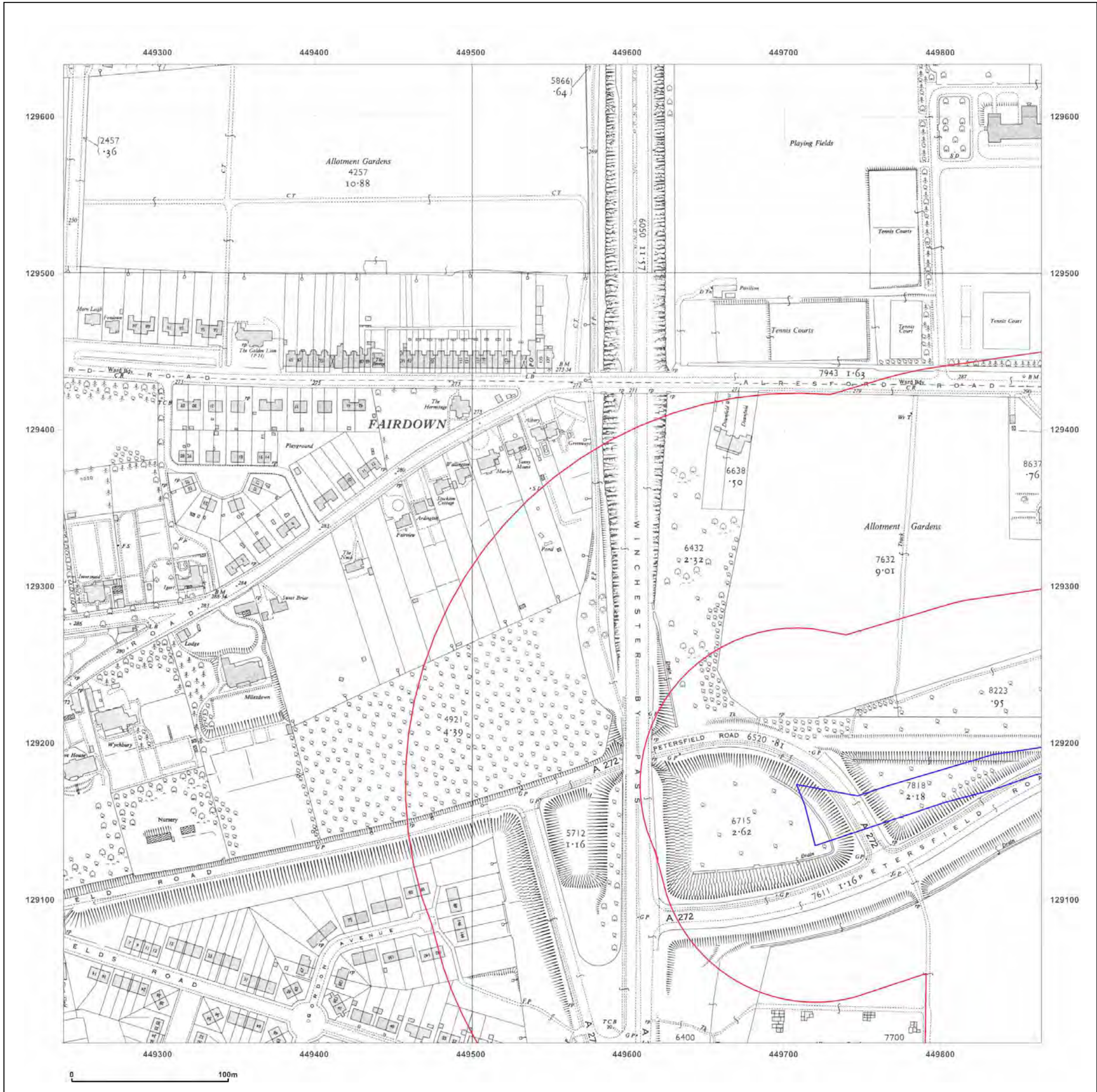


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Production date: 07 October 2020

Map legend available at:



Site Details:

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129011.43949057997

Client Ref: 33689_-_M3J9_Site_3
Report Ref: GS-7137935_LS_1_2
Grid Ref: 449552, 129321

Map Name: National Grid

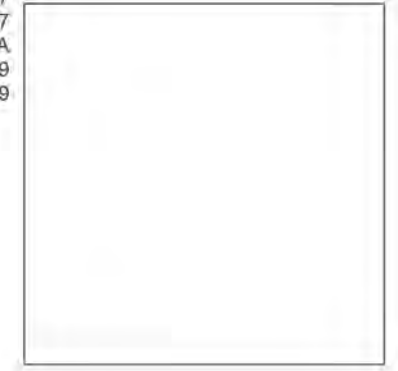
Map date: 1967

Scale: 1:2,500

Printed at: 1:2,500



Surveyed 1967
Revised 1967
Edition N/A
Copyright 1969
Levelled 1959

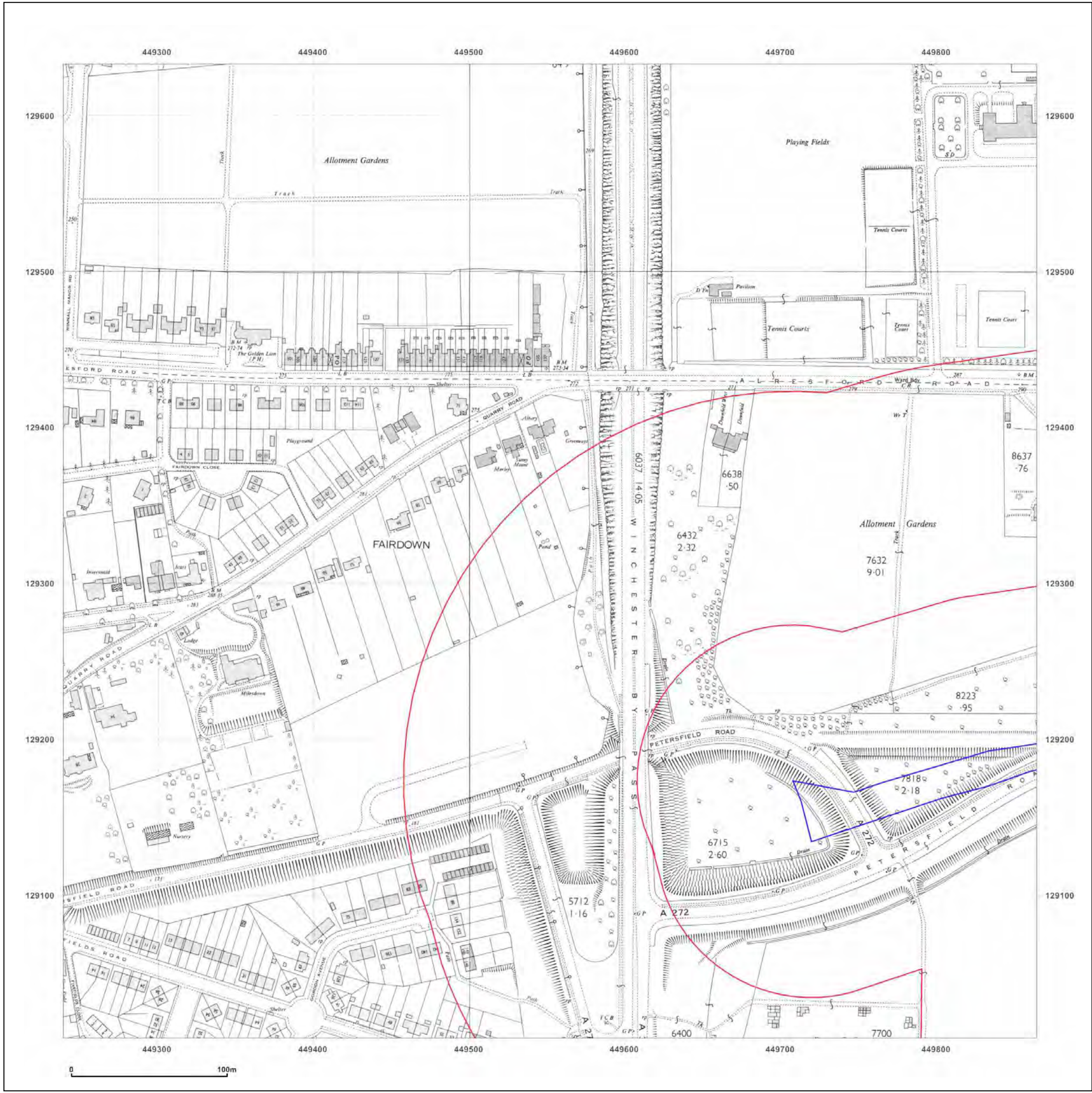


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Production date: 07 October 2020

Map legend available at:



Site Details:

450268.56815755053,
129011.43949057997

Client Ref: 33689_-_M3J9-_Site_3
Report Ref: GS-7137935_LS_2_1
Grid Ref: 450177, 128695

Map Name: County Series

Map date: 1869-1870

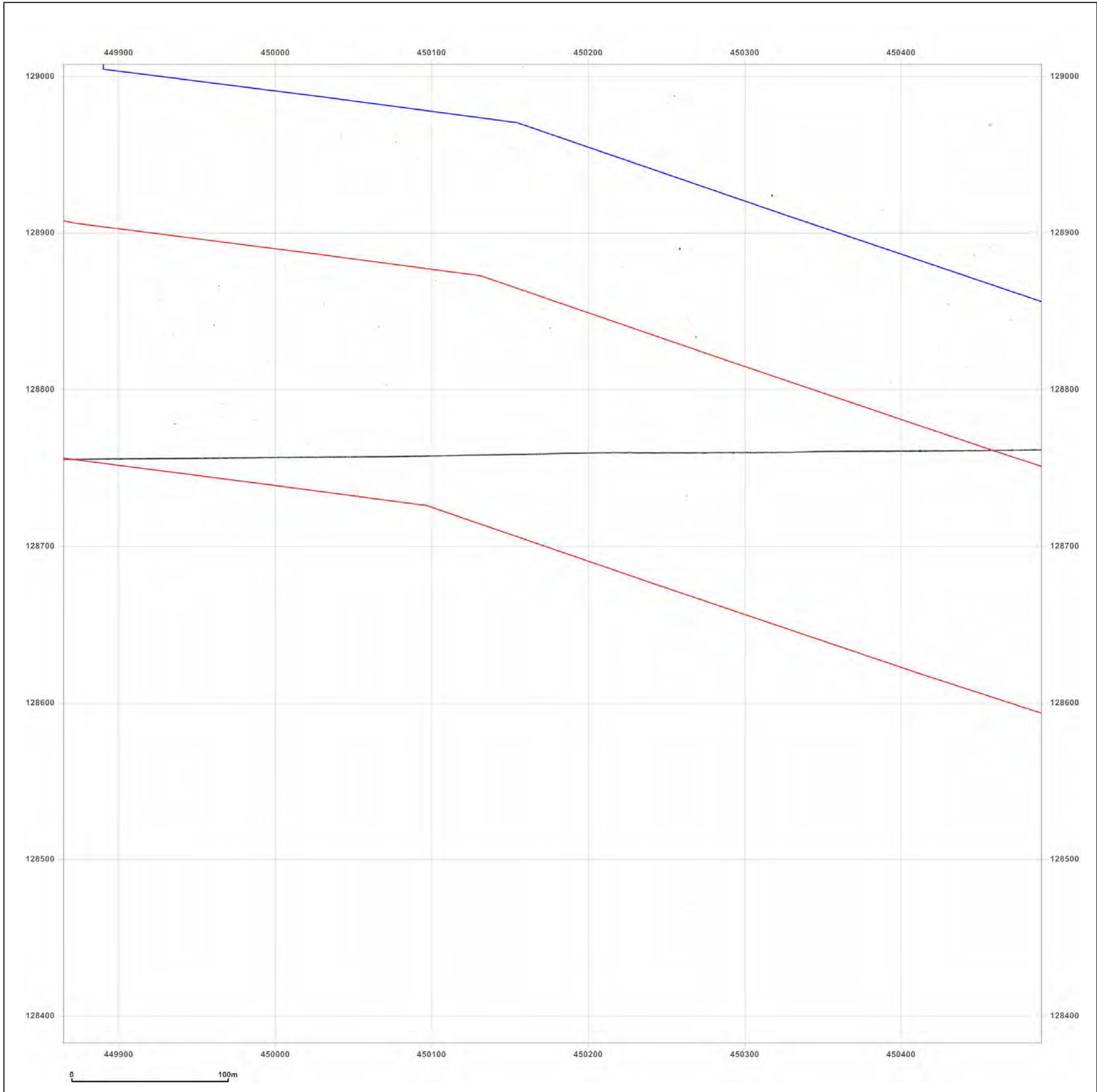
Scale: 1:2,500

Printed at: 1:2,500



Surveyed 1870
 Revised 1870
 Edition N/A
 Copyright N/A
 Levelled N/A

Surveyed 1869
 Revised 1869
 Edition N/A
 Copyright N/A
 Levelled N/A



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Production date: 07 October 2020

Map legend available at:

Site Details:

450268.56815755053,
129011.43949057997

Client Ref: 33689_-_M3J9-_Site_3
Report Ref: GS-7137935_LS_2_1
Grid Ref: 450177, 128695

Map Name: National Grid

Map date: 1960-1962

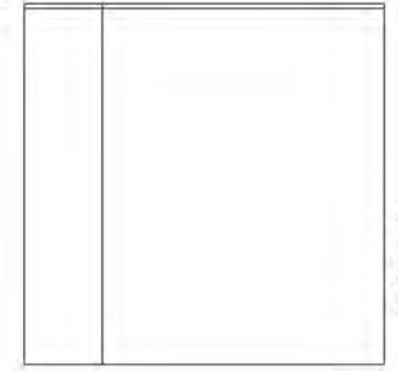
Scale: 1:2,500

Printed at: 1:2,500



Surveyed 1960
Revised 1960
Edition 1962
Copyright 1962
Levelled 1959

Surveyed 1962
Revised 1962
Edition N/A
Copyright 1963
Levelled 1959



Surveyed 1962
Revised 1962
Edition N/A
Copyright 1964
Levelled 1958

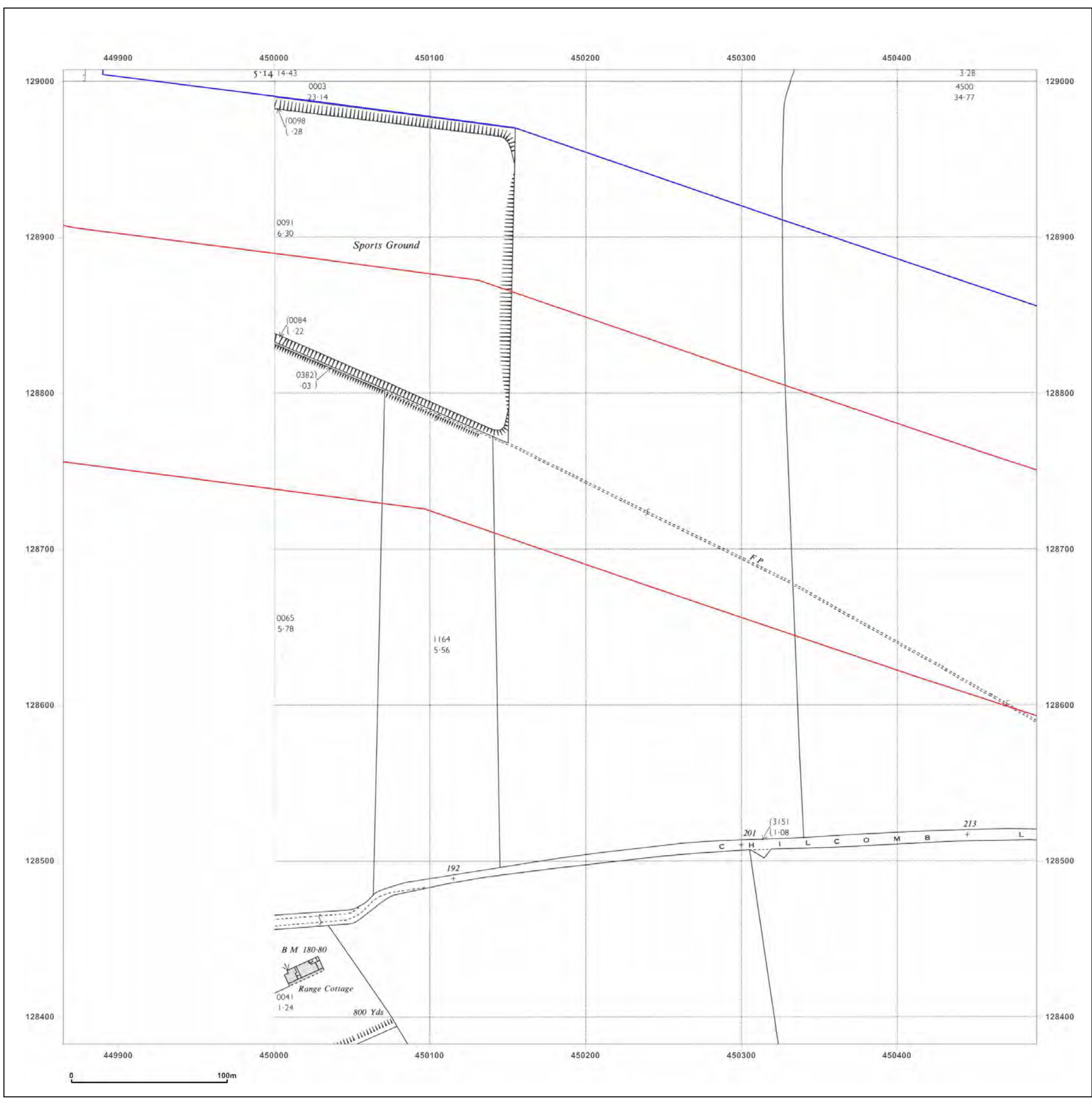


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Map legend available at:



Site Details:

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129011.43949057997

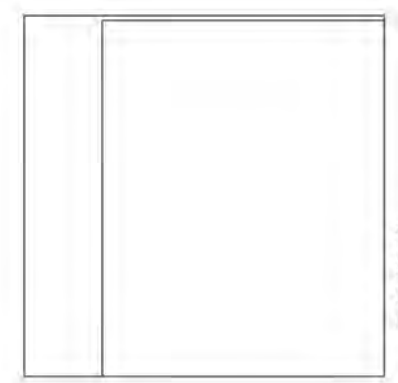
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Report Ref: GS-7137935_LS_2_1
Grid Ref: 450177, 128695

Map Name: National Grid

Map date: 1976

Scale: 1:2,500

Printed at: 1:2,500



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

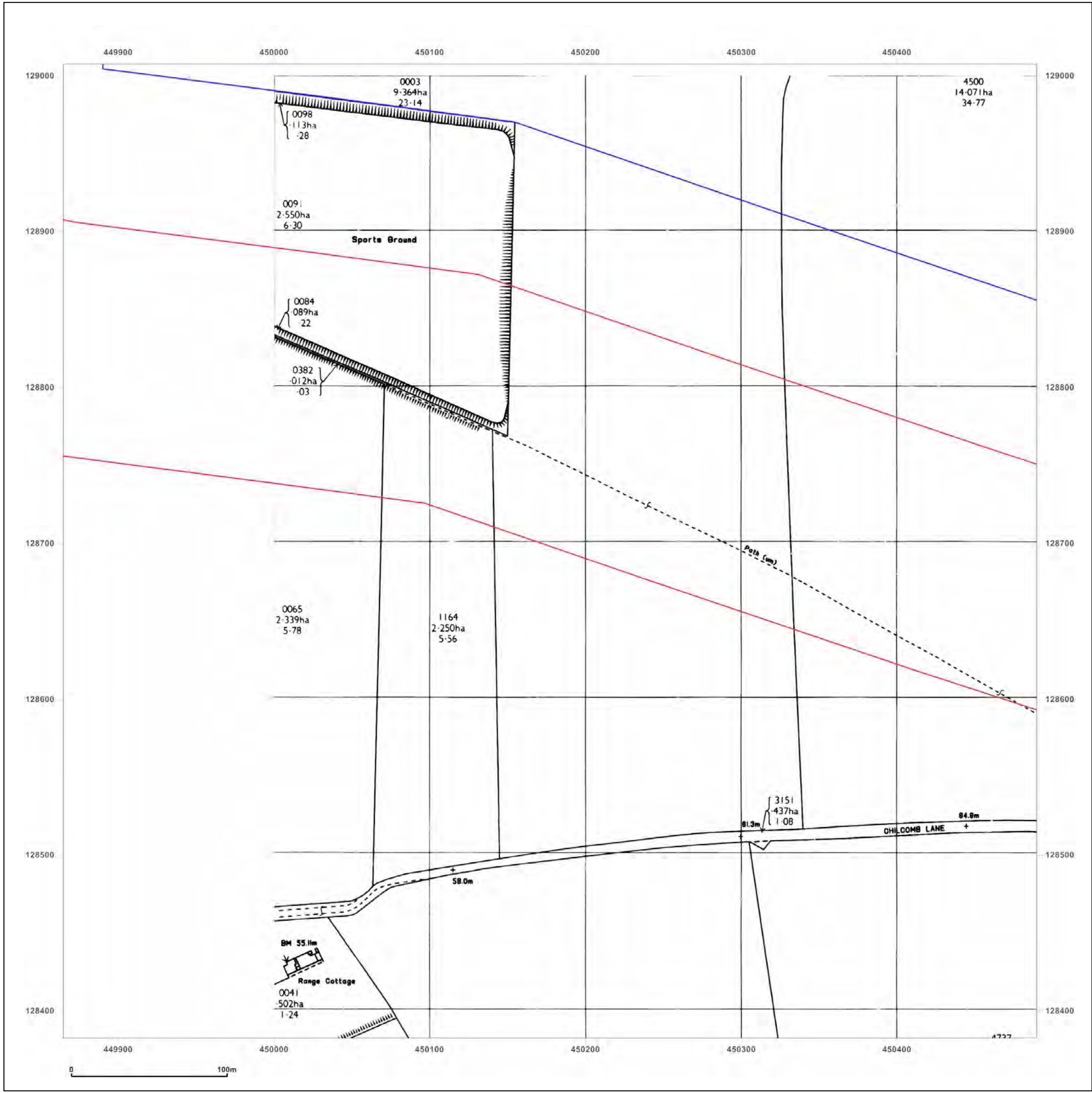


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Map legend available at:



Site Details:

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Client Ref: 33689_-_M3J9-_Site_3
Report Ref: GS-7137935_LS_2_1
Grid Ref: 450177, 128695

Map Name: National Grid

Map date: 1990-1992

Scale: 1:2,500

Printed at: 1:2,500



Surveyed 1992
Revised 1992
Edition N/A
Copyright 1992
Levelled N/A

Surveyed 1990
Revised 1990
Edition N/A
Copyright 1990
Levelled N/A

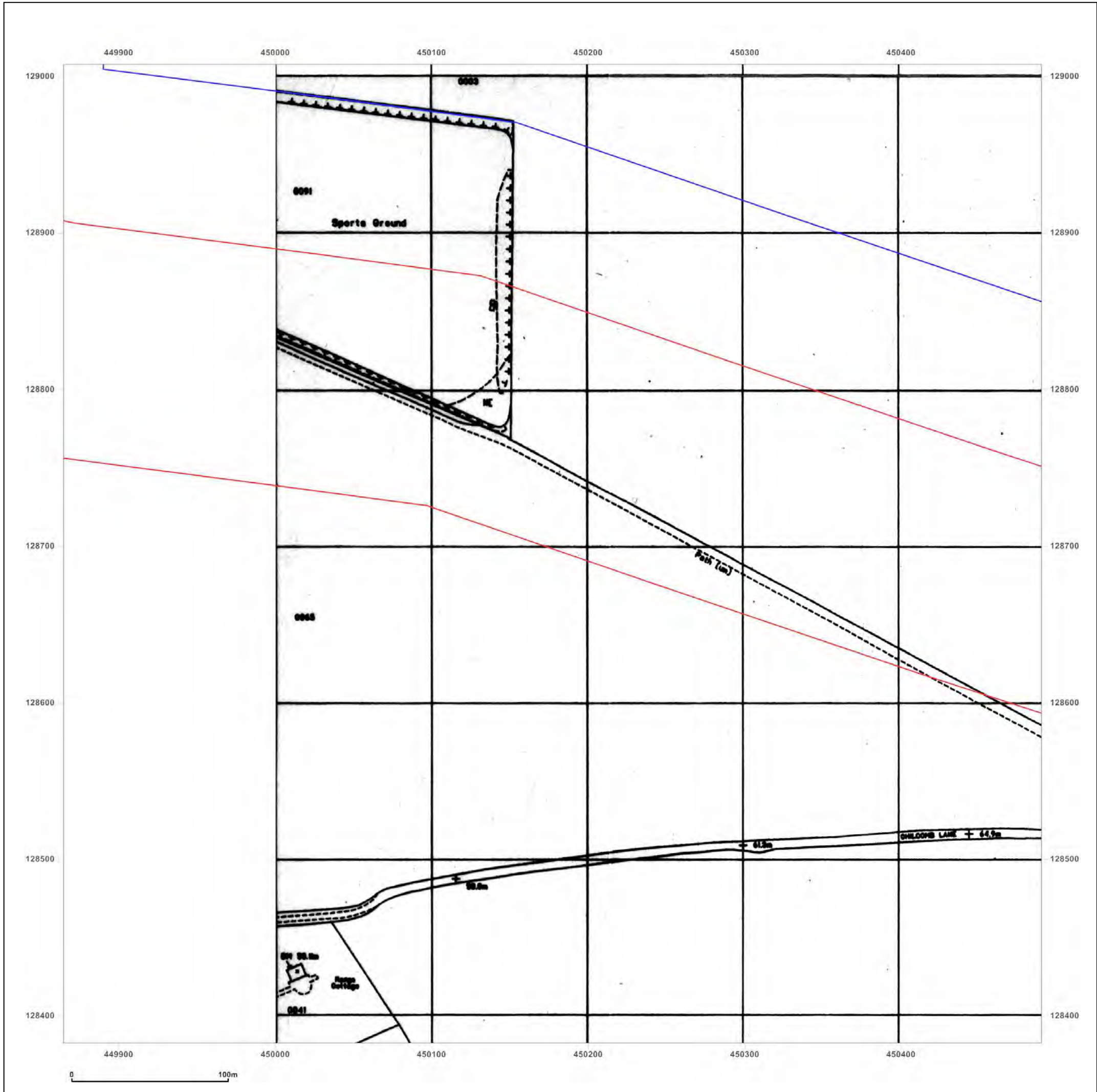


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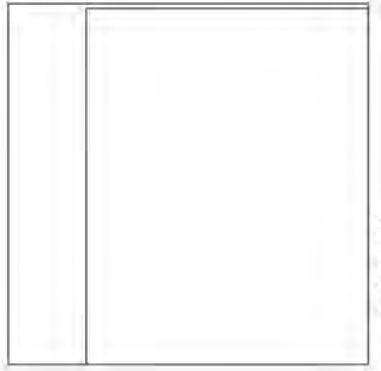
Map legend available at:



Site Details:
 450268.56815755053,
 129011.43949057997

Client Ref: 33689_-_M3J9-_Site_3
Report Ref: GS-7137935_LS_2_1
Grid Ref: 450177, 128695

Map Name: National Grid
Map date: 1994
Scale: 1:2,500
Printed at: 1:2,500

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

Powered by

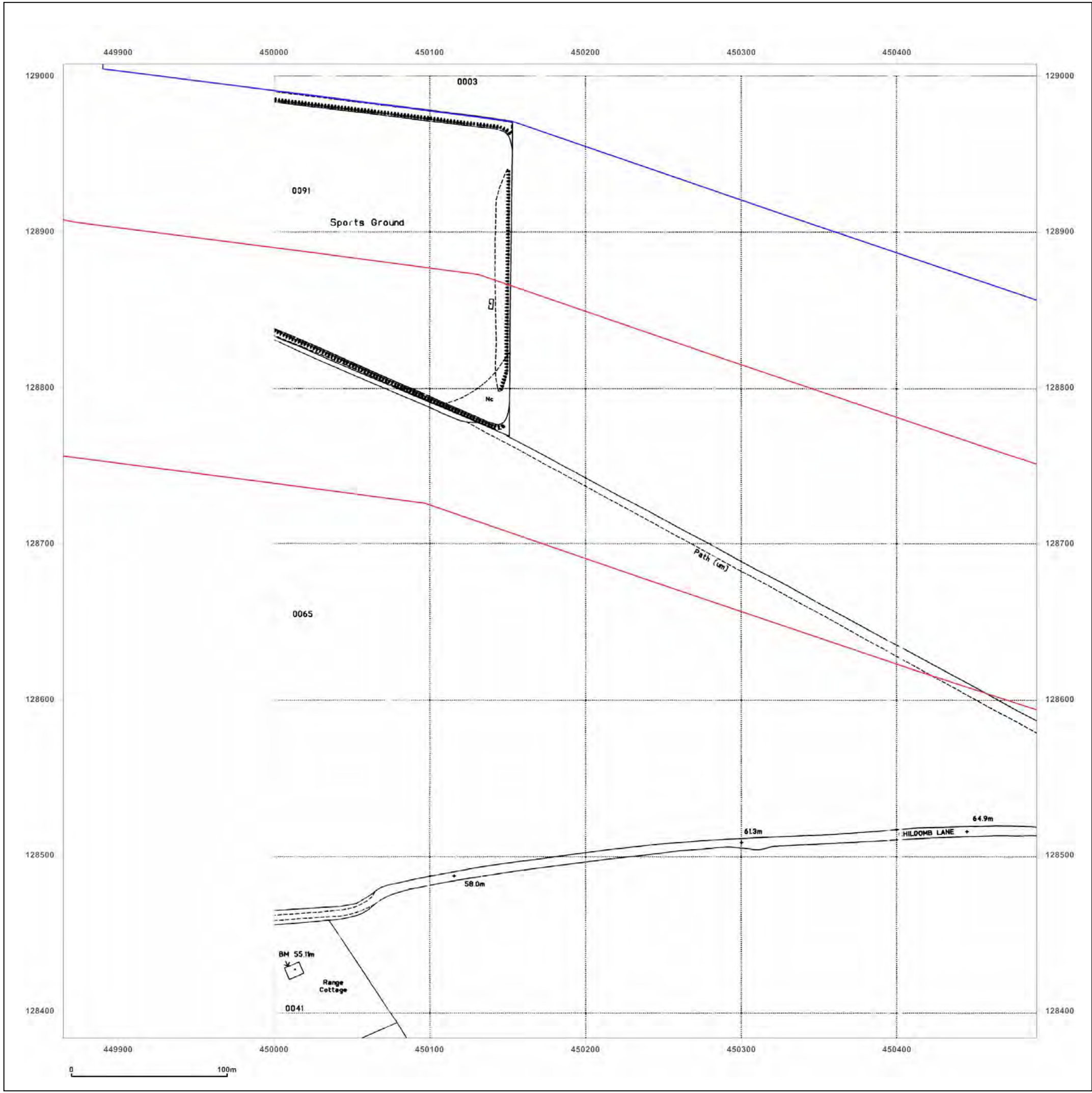


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Production date: 07 October 2020

Map legend available at:
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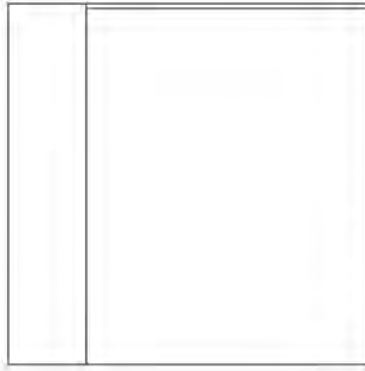
Site Details:
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Client Ref: 33689_-_M3J9-_Site_3
Report Ref: GS-7137935_LS_2_1
Grid Ref: 450177, 128695

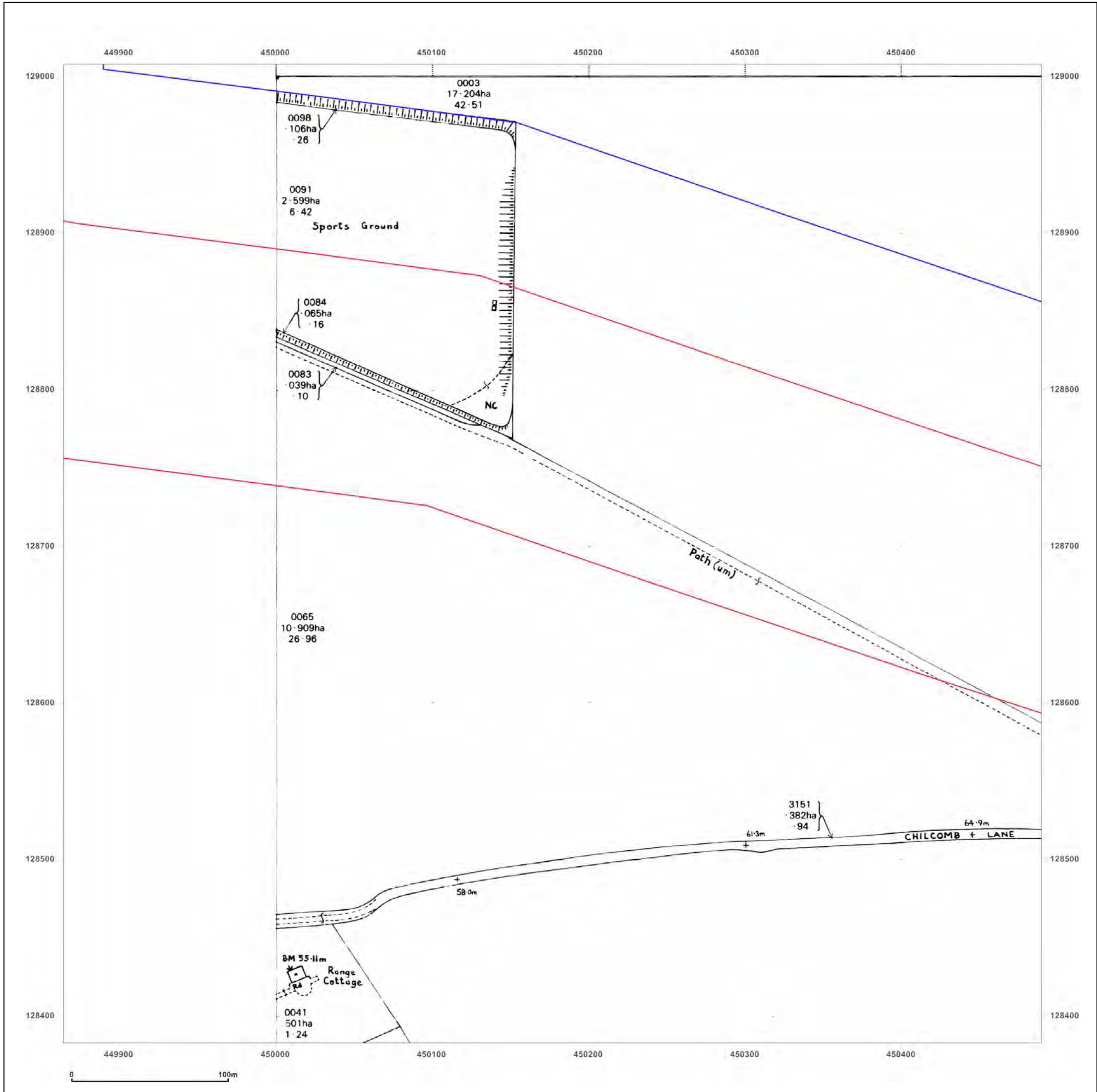
Map Name: National Grid
Map date: 1989-1994
Scale: 1:2,500
Printed at: 1:2,500



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



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



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Production date: 07 October 2020

Map legend available at: 

Site Details:

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129011.43949057997

Client Ref: 33689_-_M3J9-_Site_3
Report Ref: GS-7137935_LS_2_2
Grid Ref: 450177, 129321

Map Name: County Series

Map date: 1870

Scale: 1:2,500

Printed at: 1:2,500



Surveyed 1870
Revised 1870
Edition N/A
Copyright N/A
Levelled N/A

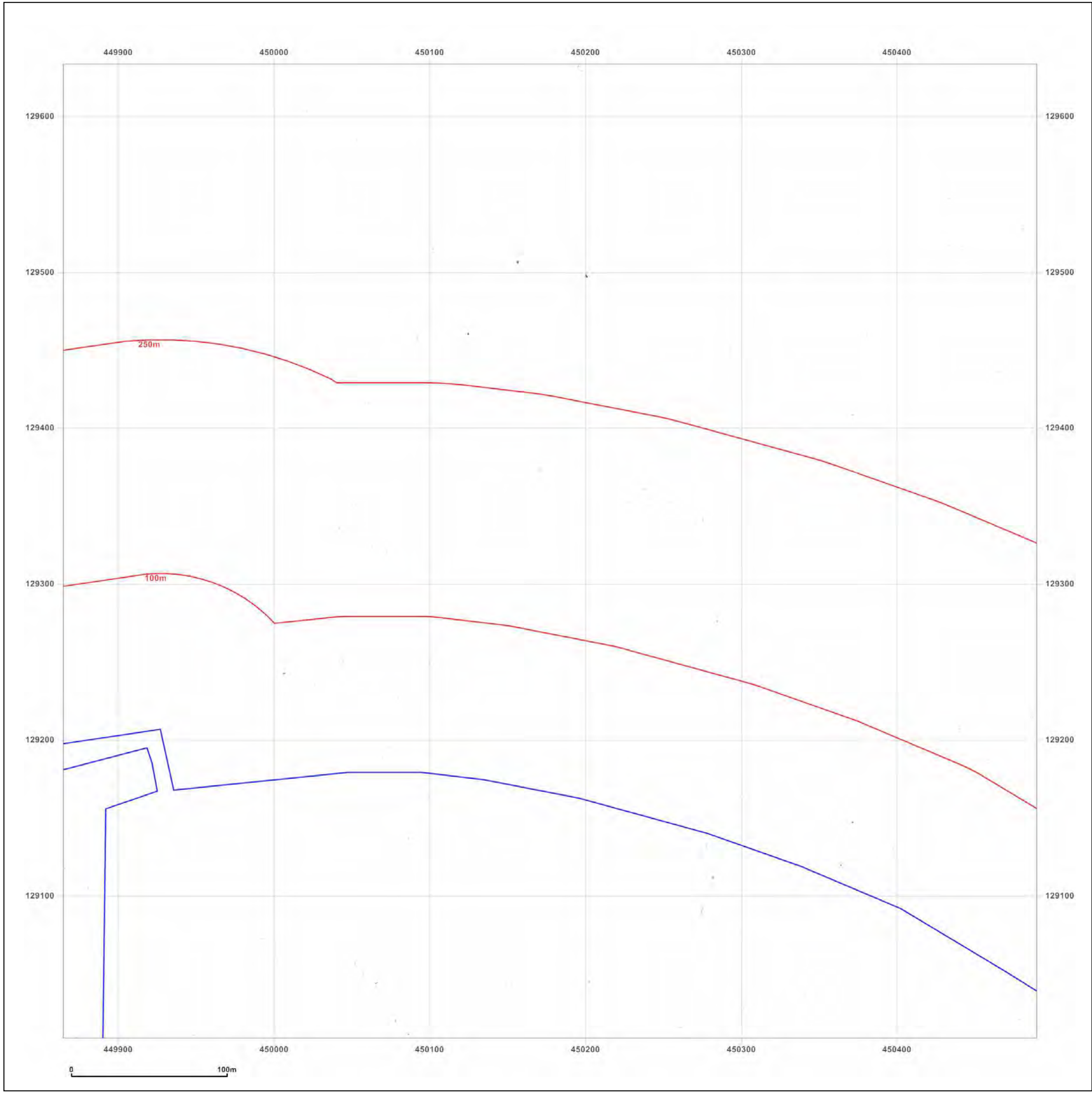


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Production date: 07 October 2020

Map legend available at:



Site Details:

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129011.43949057997

Client Ref: 33689_-_M3J9-_Site_3
Report Ref: GS-7137935_LS_2_2
Grid Ref: 450177, 129321

Map Name: County Series

Map date: 1870

Scale: 1:2,500

Printed at: 1:2,500



Surveyed 1870
Revised 1870
Edition N/A
Copyright N/A
Levelled N/A

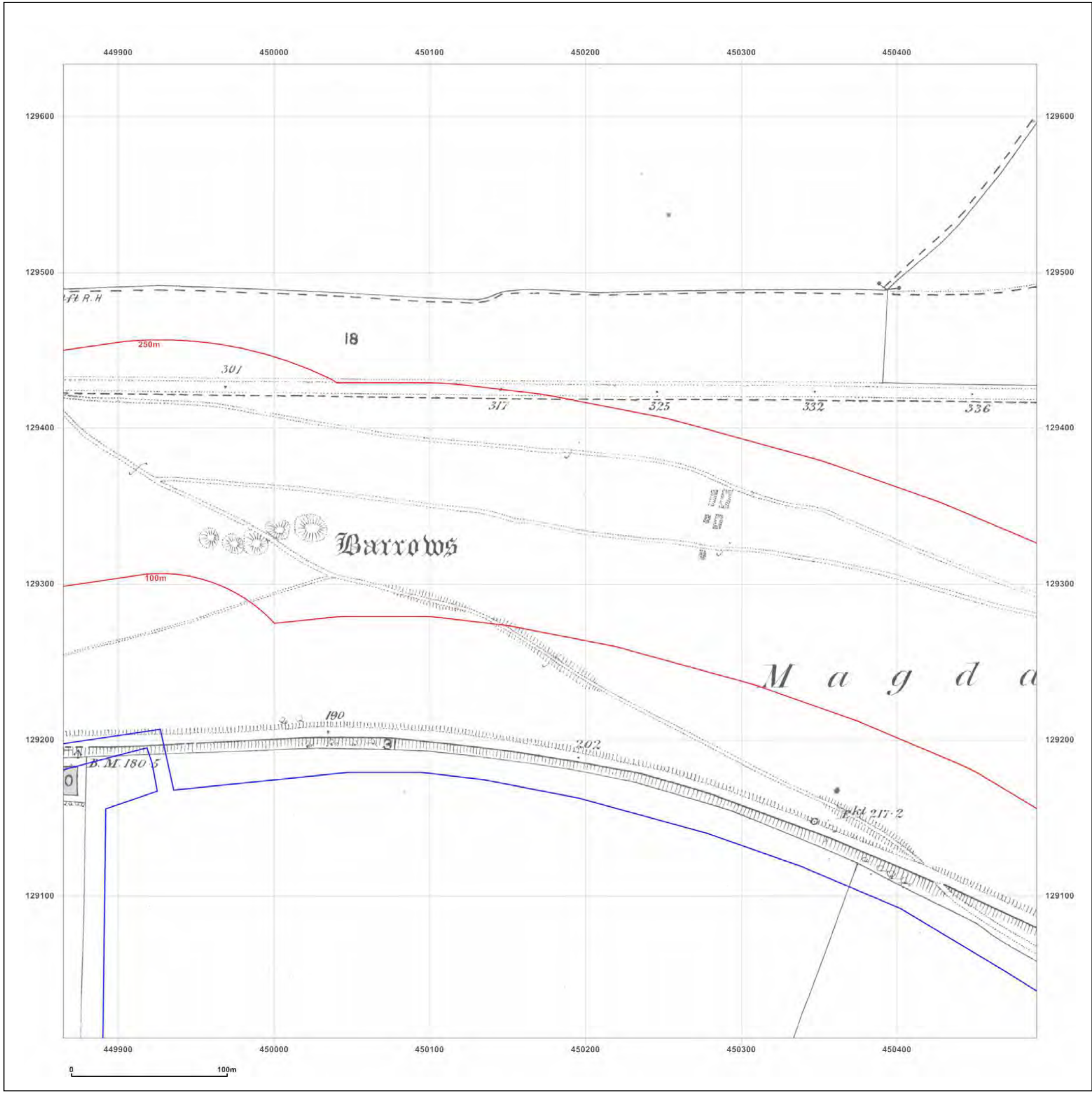


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Map legend available at:



Site Details:

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129011.43949057997

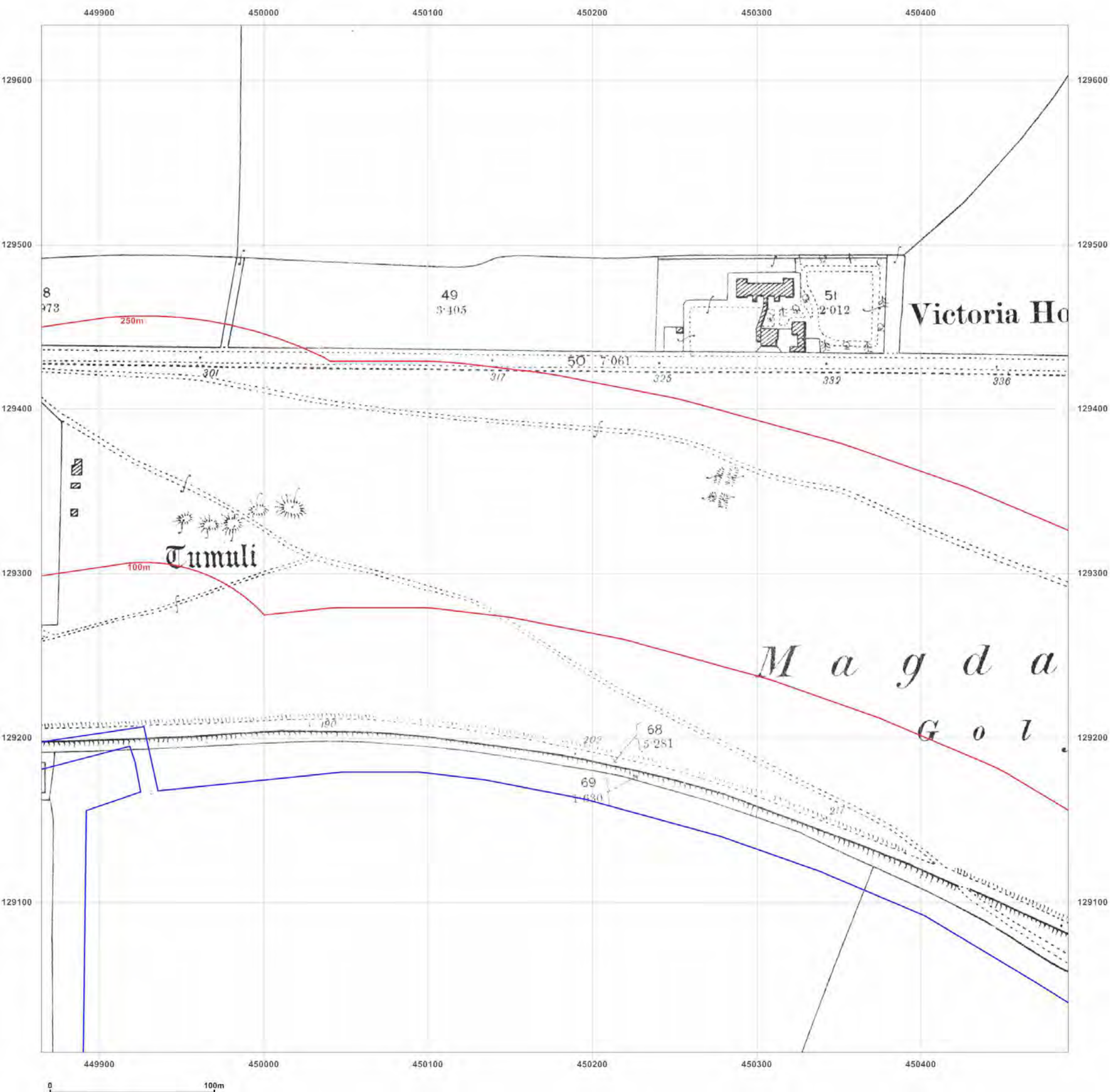
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Report Ref: GS-7137935_LS_2_2
Grid Ref: 450177, 129321

Map Name: County Series

Map date: 1896

Scale: 1:2,500

Printed at: 1:2,500



Surveyed 1896
Revised 1896
Edition N/A
Copyright N/A
Levelled N/A



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Map legend available at:

Site Details:

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129011.43949057997

Client Ref: 33689_-_M3J9_Site_3
Report Ref: GS-7137935_LS_2_2
Grid Ref: 450177, 129321

Map Name: County Series

Map date: 1909

Scale: 1:2,500

Printed at: 1:2,500



Surveyed 1909
Revised 1909
Edition N/A
Copyright N/A
Levelled N/A

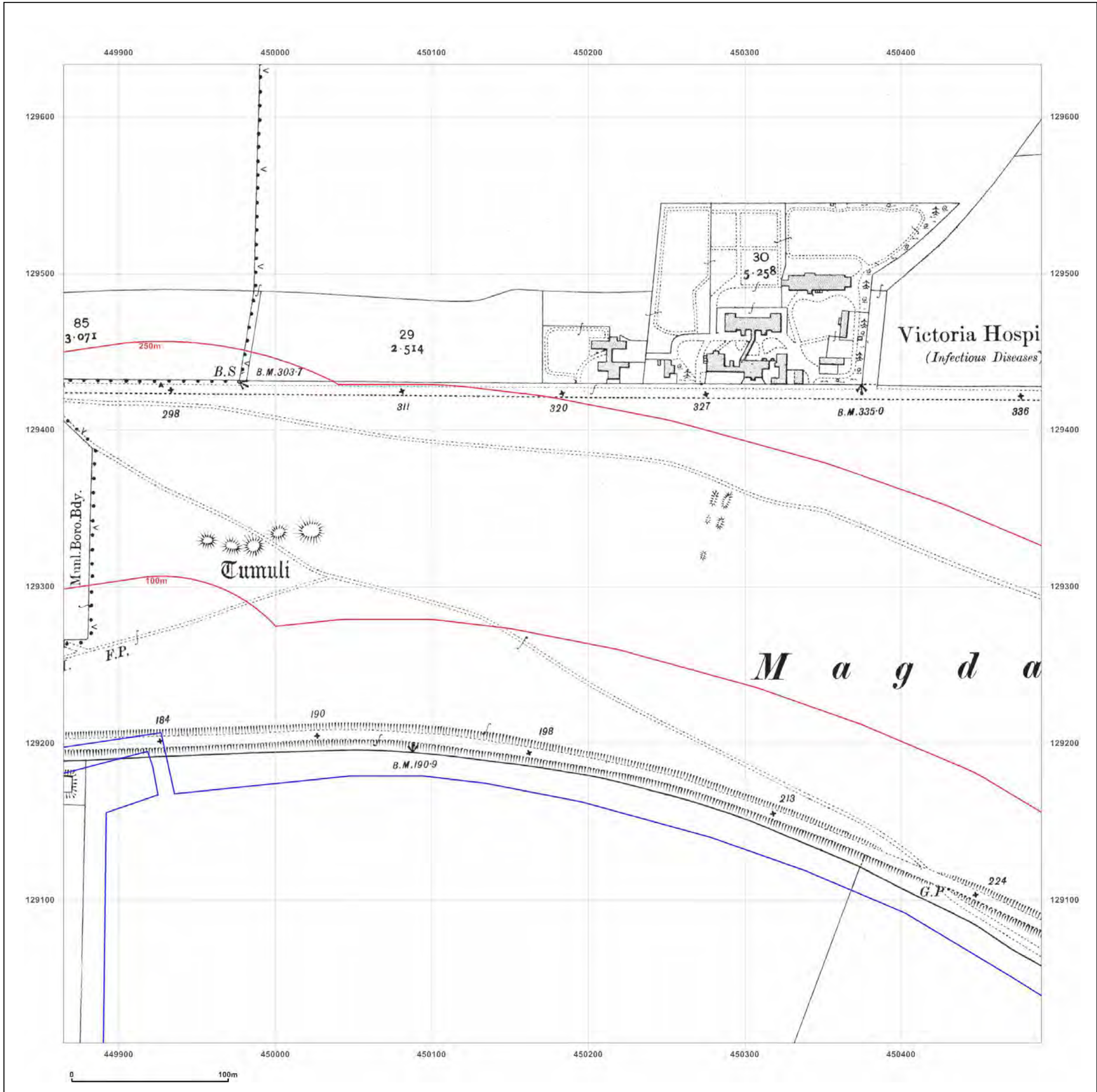


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Production date: 07 October 2020

Map legend available at:



Site Details:

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129011.43949057997

Client Ref: 33689_-M3J9-Site_3
Report Ref: GS-7137935_LS_2_2
Grid Ref: 450177, 129321

Map Name: County Series

Map date: 1932

Scale: 1:2,500

Printed at: 1:2,500



Surveyed 1932
Revised 1932
Edition N/A
Copyright N/A
Levelled N/A

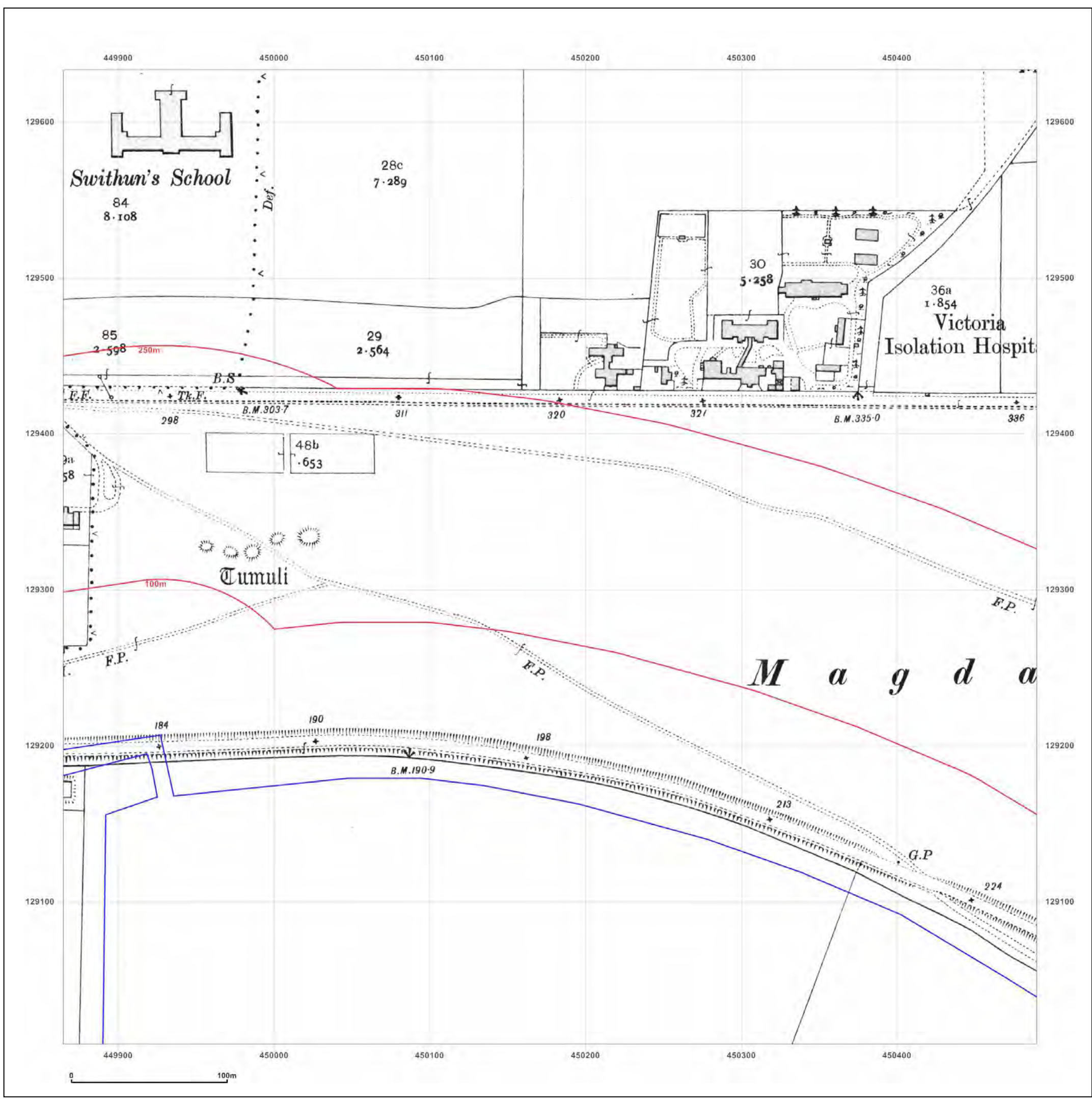


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Production date: 07 October 2020

Map legend available at:



Site Details:

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129011.43949057997

Client Ref: 33689_-_M3J9-_Site_3
Report Ref: GS-7137935_LS_2_2
Grid Ref: 450177, 129321

Map Name: County Series

Map date: 1939

Scale: 1:2,500

Printed at: 1:2,500



Surveyed 1939
Revised 1939
Edition N/A
Copyright N/A
Levelled N/A

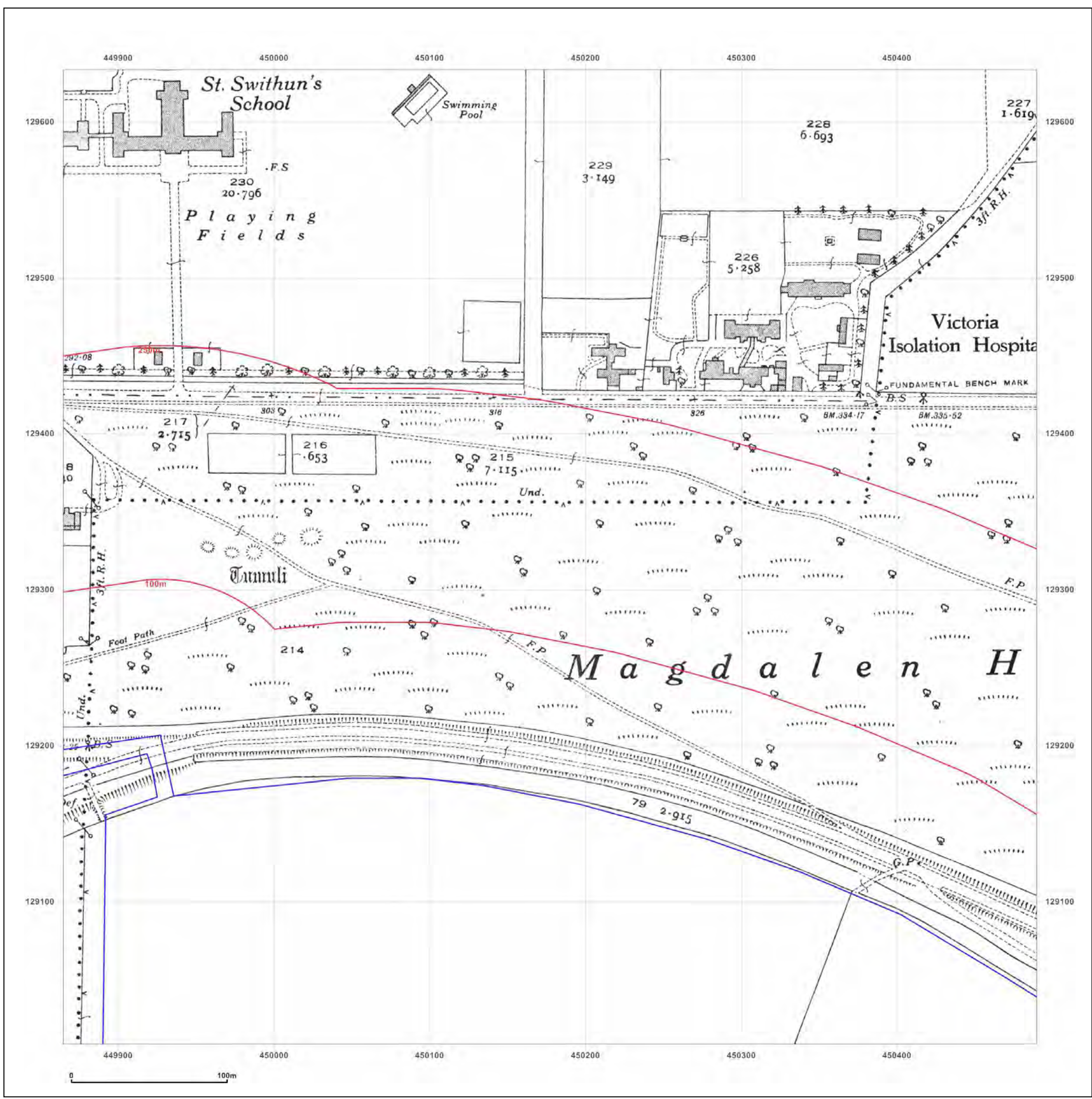


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Production date: 07 October 2020

Map legend available at:



Site Details:

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129011.43949057997

Client Ref: 33689_-_M3J9-_Site_3
Report Ref: GS-7137935_LS_2_2
Grid Ref: 450177, 129321

Map Name: National Grid

Map date: 1960-1962

Scale: 1:2,500

Printed at: 1:2,500



Surveyed 1960
Revised 1960
Edition 1962
Copyright 1962
Levelled 1959

Surveyed 1962
Revised 1962
Edition N/A
Copyright 1963
Levelled 1959

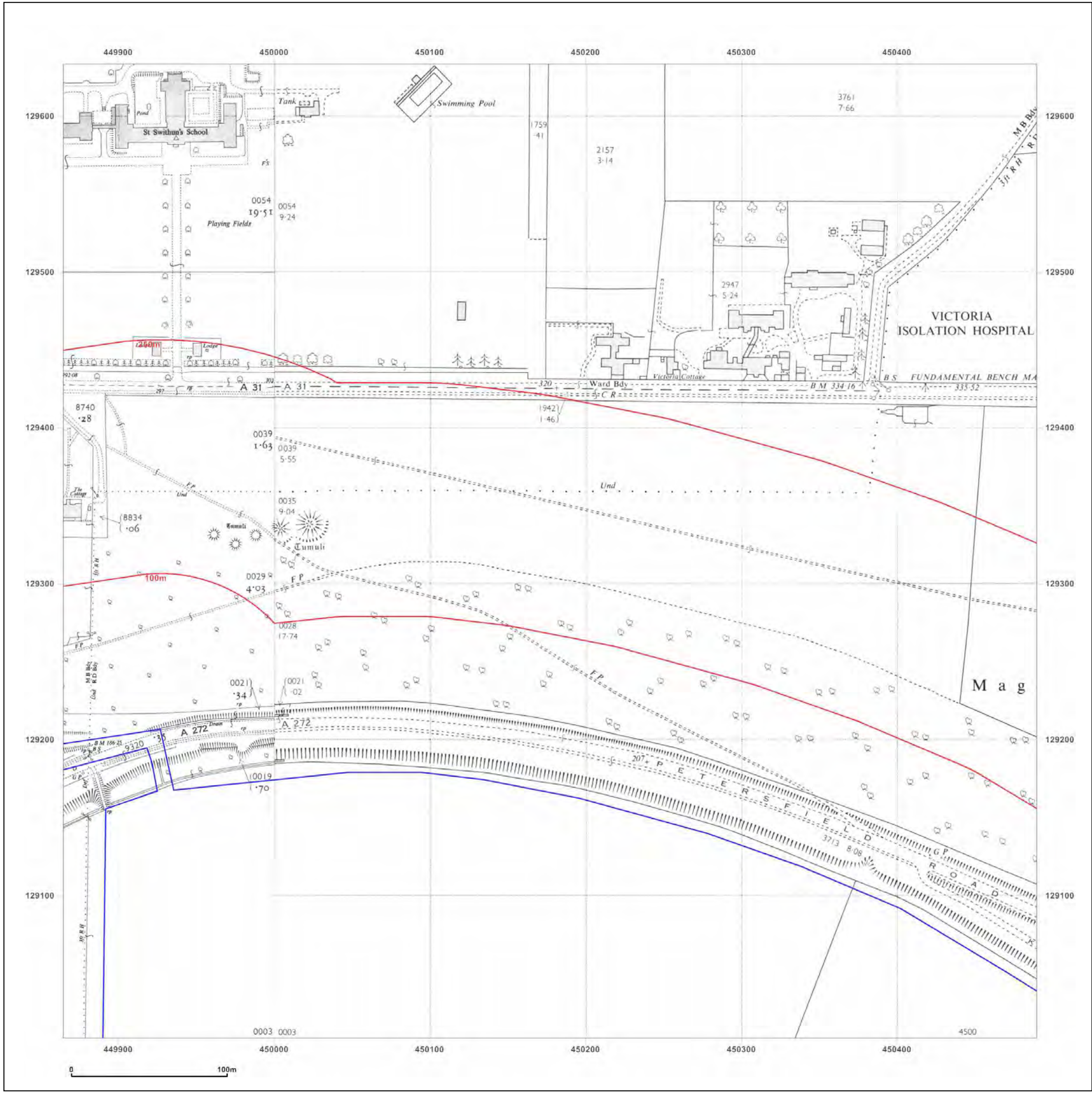


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Map legend available at:



Site Details:

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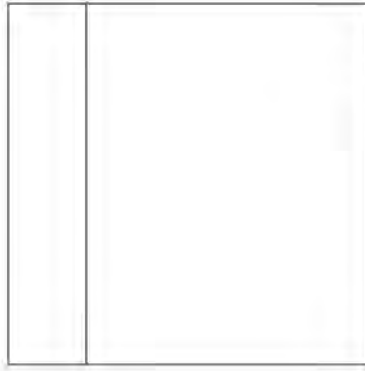
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Report Ref: GS-7137935_LS_2_2
Grid Ref: 450177, 129321

Map Name: National Grid

Map date: 1992

Scale: 1:2,500

Printed at: 1:2,500

Surveyed 1992
Revised 1992
Edition N/A
Copyright 1992
Levelled N/A

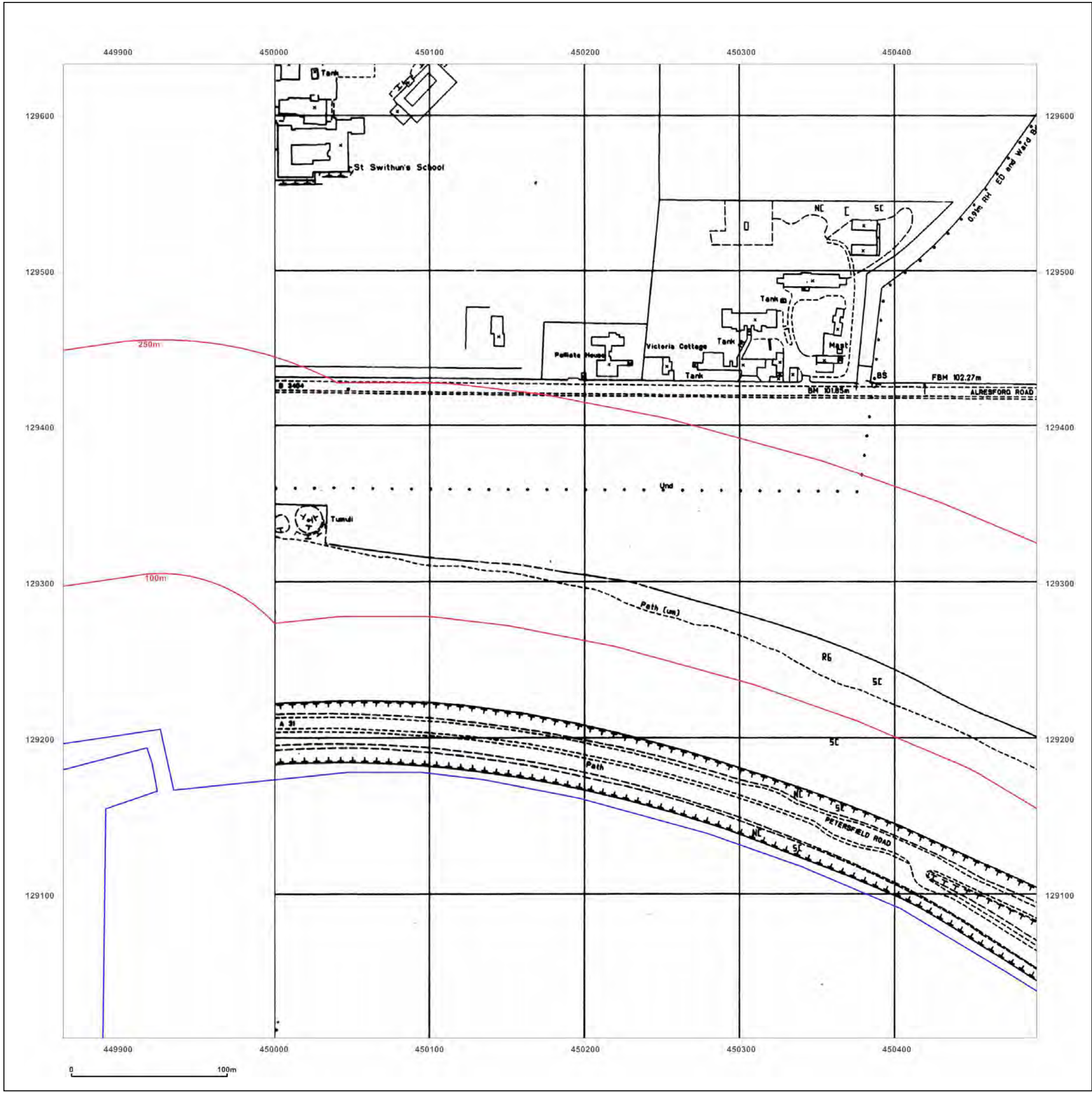


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Production date: 07 October 2020

Map legend available at:



Site Details:

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129011.43949057997

Client Ref: 33689_-_M3J9-_Site_3
Report Ref: GS-7137935_LS_2_2
Grid Ref: 450177, 129321

Map Name: National Grid

Map date: 1994

Scale: 1:2,500

Printed at: 1:2,500




Surveyed N/A
Revised N/A
Edition N/A
Copyright 1984
Levelled N/A

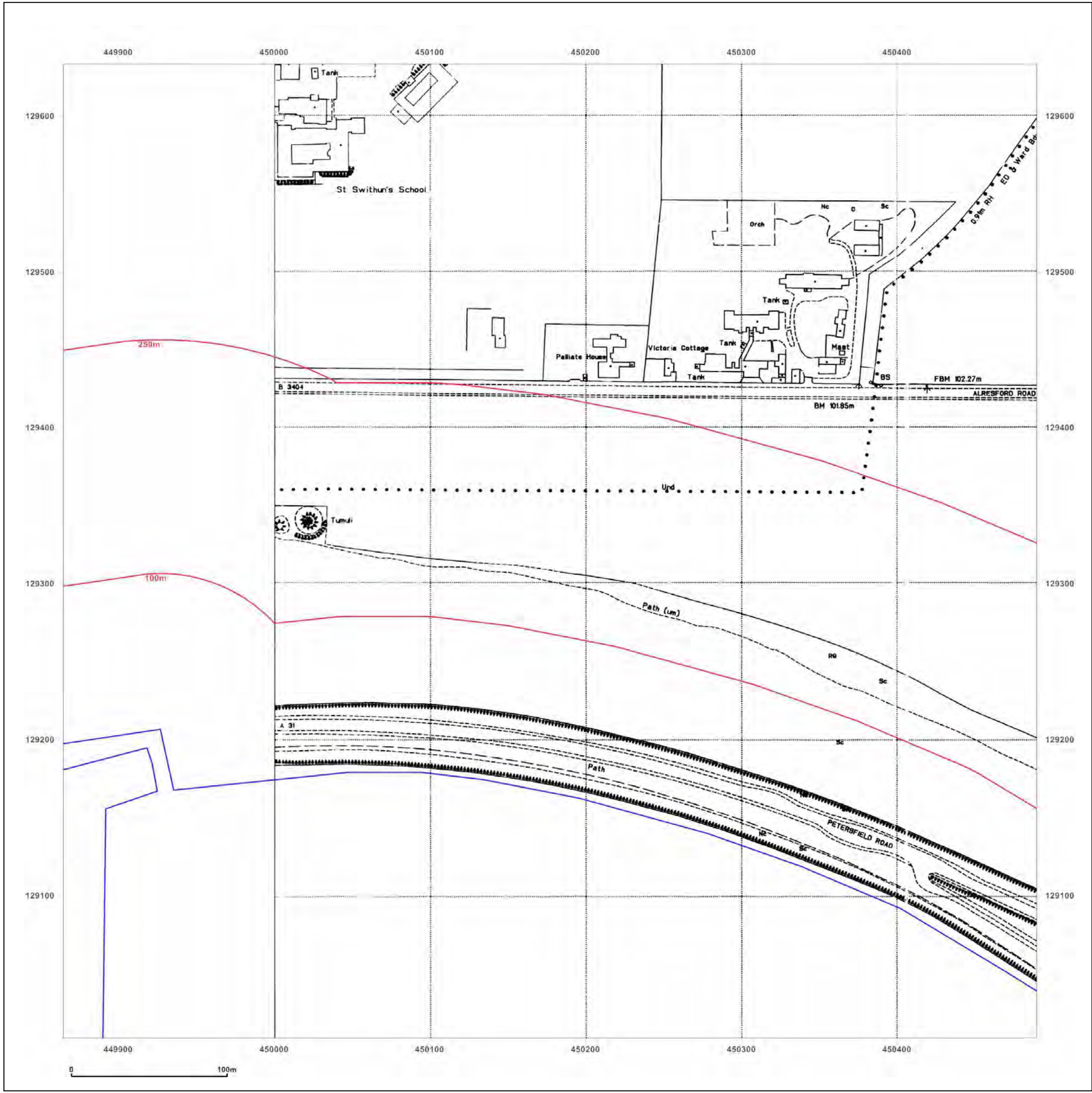


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Production date: 07 October 2020

Map legend available at:



Site Details:

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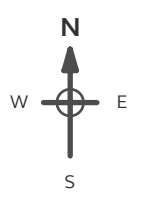
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Report Ref: GS-7137935_LS_3_1
Grid Ref: 450803, 128695

Map Name: County Series

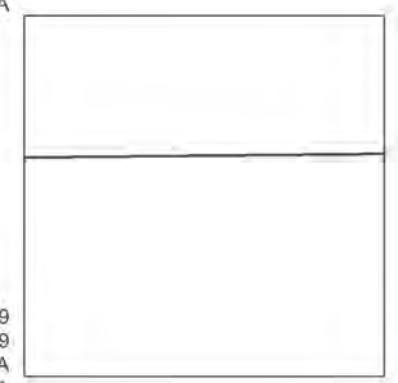
Map date: 1869-1870

Scale: 1:2,500

Printed at: 1:2,500



Surveyed 1870
Revised 1870
Edition N/A
Copyright N/A
Levelled N/A



Surveyed 1869
Revised 1869
Edition N/A
Copyright N/A
Levelled N/A

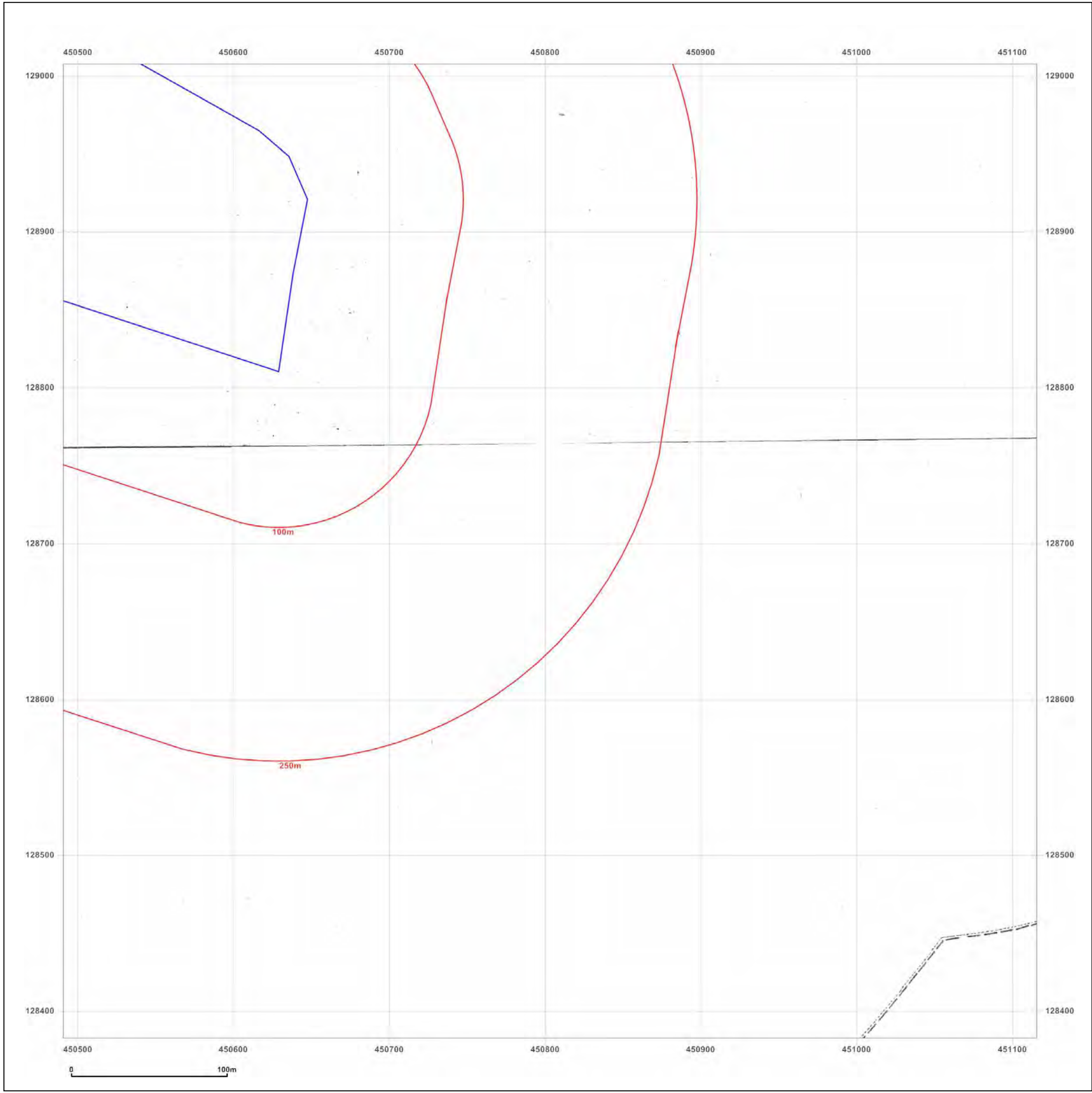


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Production date: 07 October 2020

Map legend available at:



Site Details:

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129011.43949057997

Client Ref: 33689_-_M3J9-_Site_3
Report Ref: GS-7137935_LS_3_1
Grid Ref: 450803, 128695

Map Name: County Series

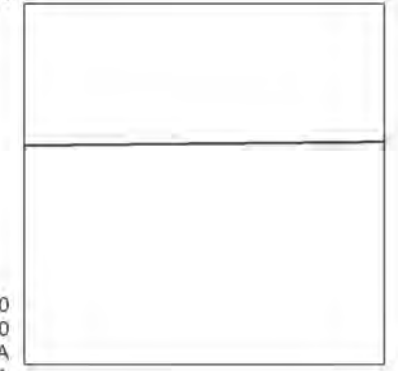
Map date: 1870

Scale: 1:2,500

Printed at: 1:2,500



Surveyed 1870
Revised 1870
Edition N/A
Copyright N/A
Levelled N/A



Surveyed 1870
Revised 1870
Edition N/A
Copyright N/A
Levelled N/A

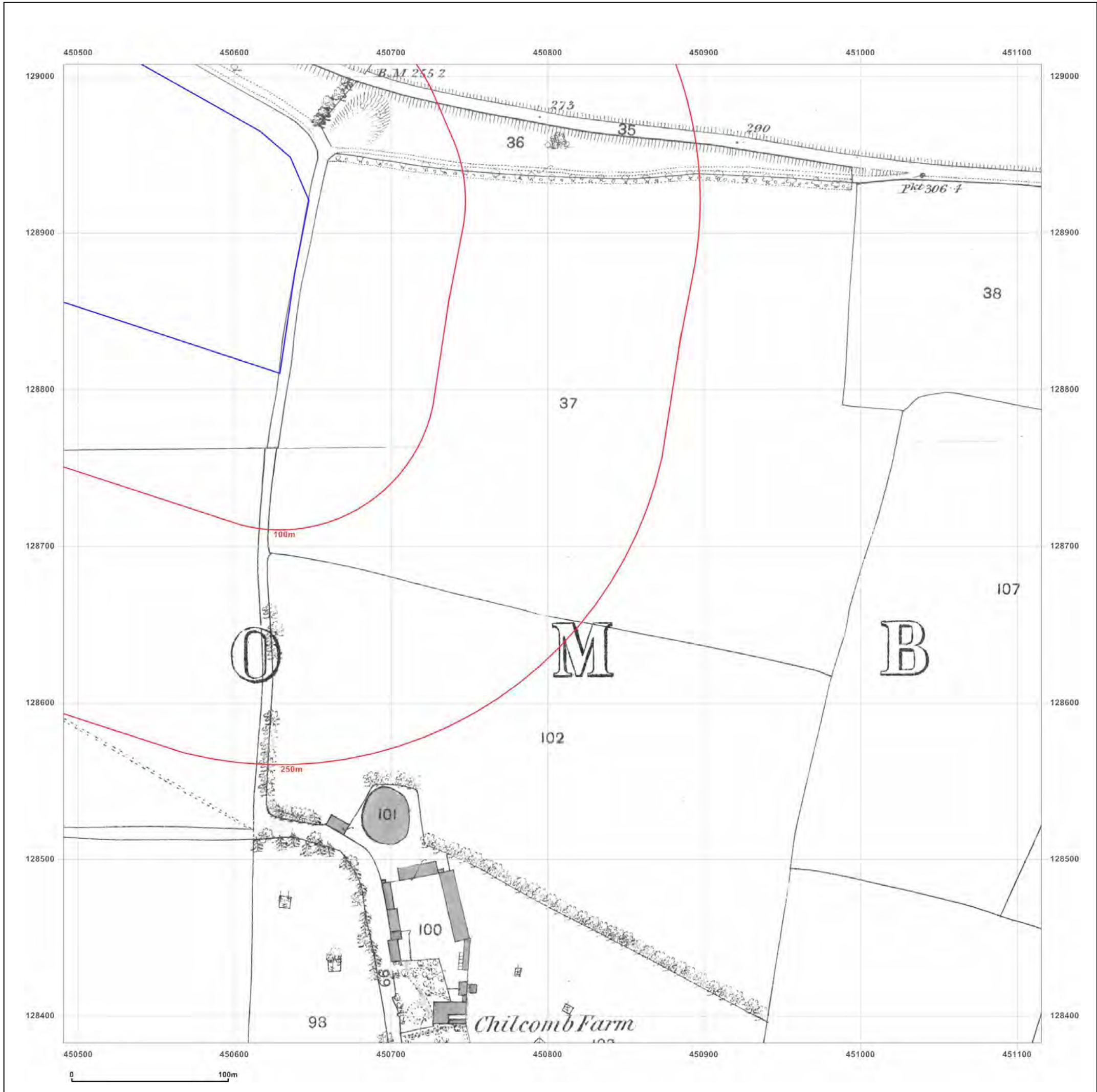


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Map legend available at:



Site Details:

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129011.43949057997

Client Ref: 33689_-_M3J9-_Site_3
Report Ref: GS-7137935_LS_3_1
Grid Ref: 450803, 128695

Map Name: County Series

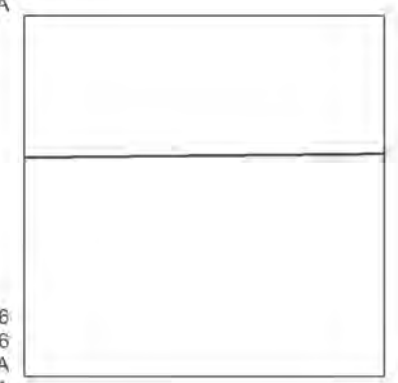
Map date: 1896

Scale: 1:2,500

Printed at: 1:2,500



Surveyed 1896
Revised 1896
Edition N/A
Copyright N/A
Levelled N/A



Surveyed 1896
Revised 1896
Edition N/A
Copyright N/A
Levelled N/A

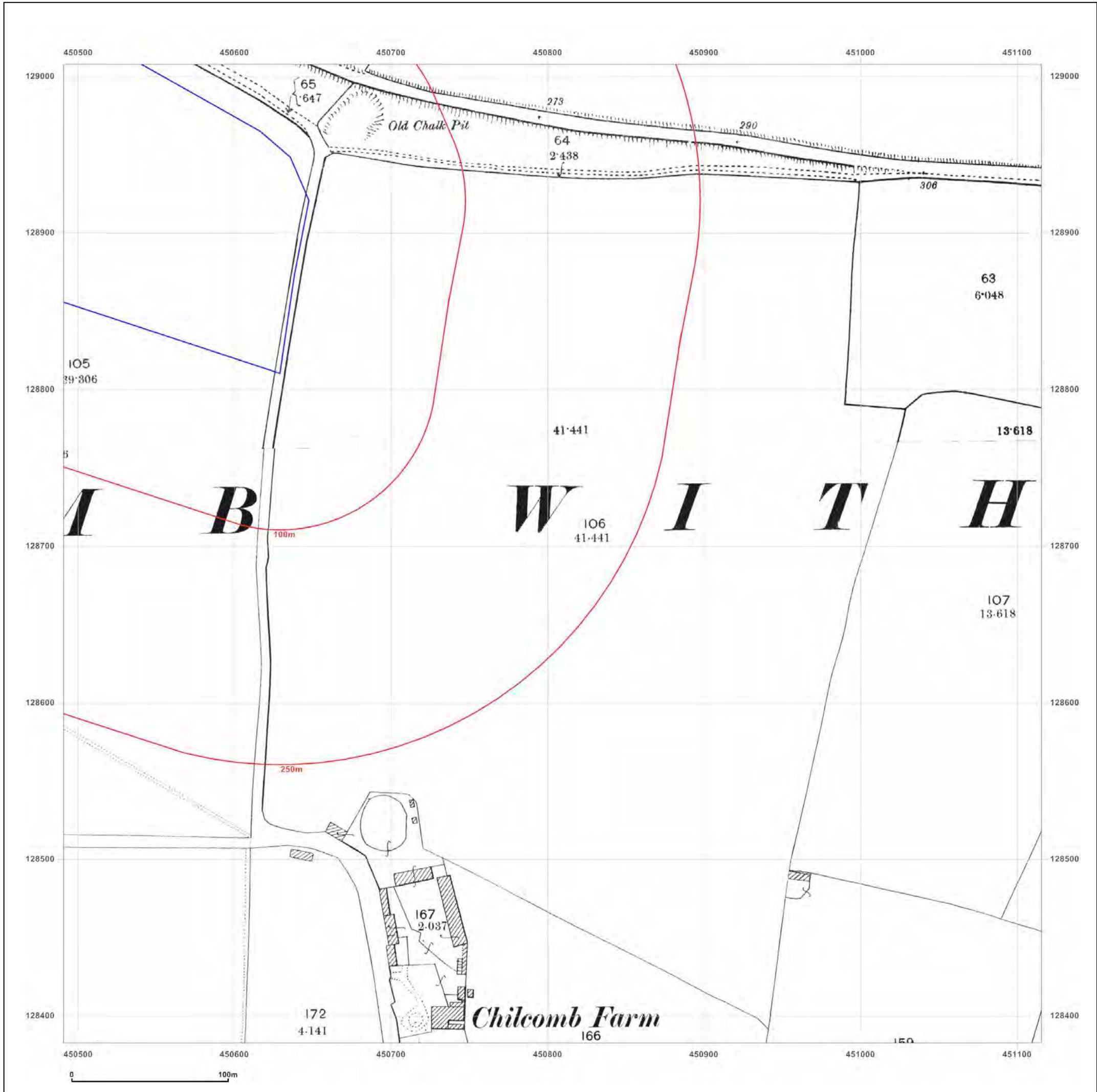


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Production date: 07 October 2020

Map legend available at:



Site Details:

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129011.43949057997

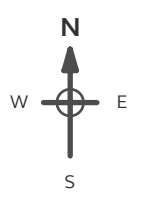
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Grid Ref: 450803, 128695

Map Name: County Series

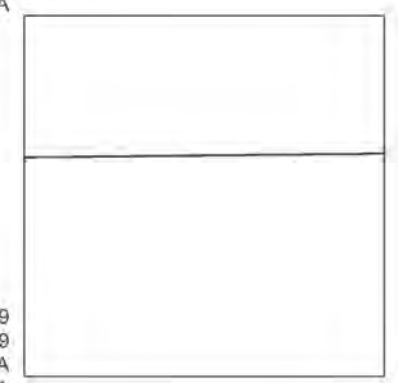
Map date: 1909

Scale: 1:2,500

Printed at: 1:2,500



Surveyed 1909
Revised 1909
Edition N/A
Copyright N/A
Levelled N/A



Surveyed 1909
Revised 1909
Edition N/A
Copyright N/A
Levelled N/A

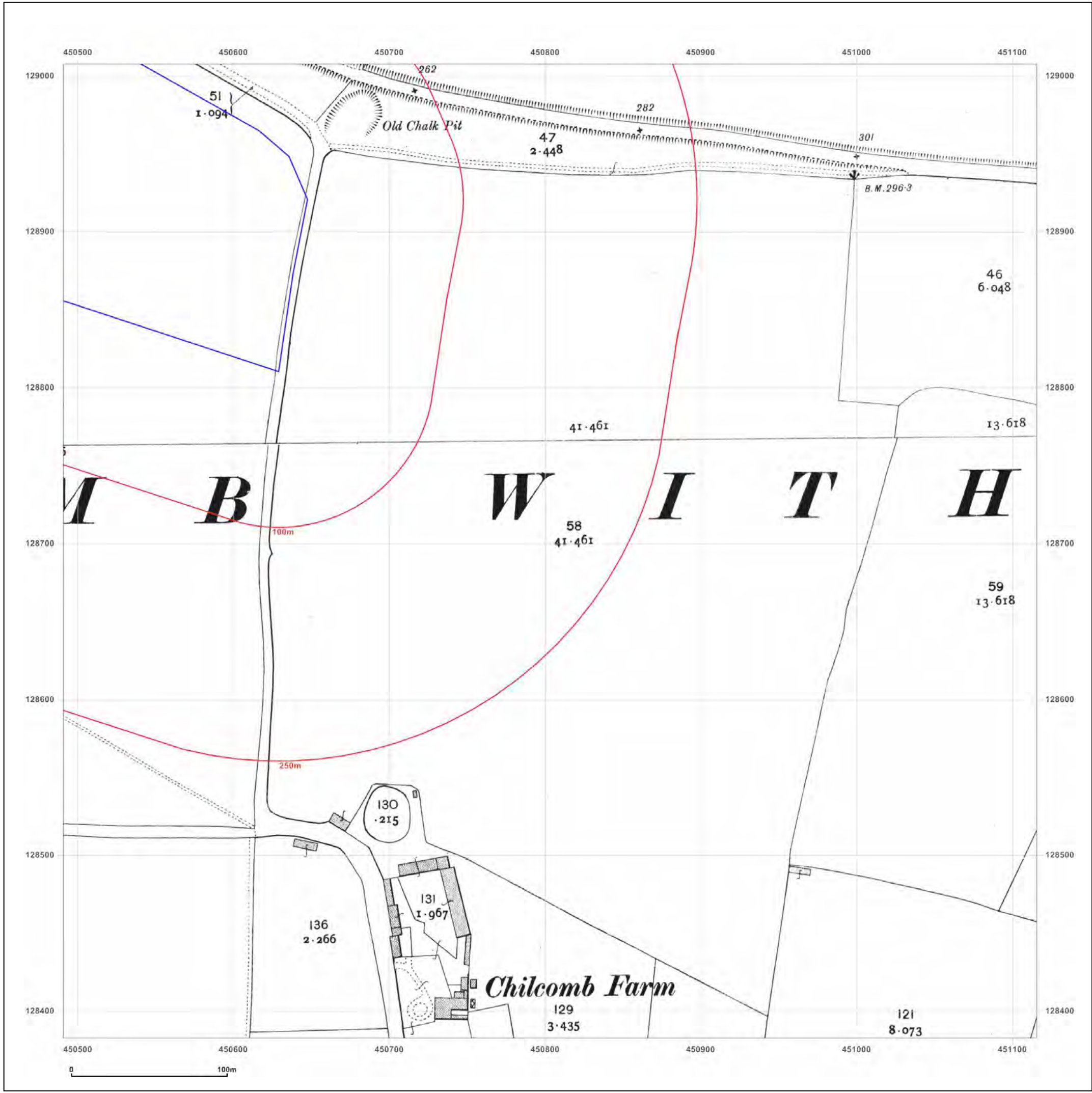


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Site Details:

450268.56815755053,
129011.43949057997

Client Ref: 33689_-_M3J9-_Site_3
Report Ref: GS-7137935_LS_3_1
Grid Ref: 450803, 128695

Map Name: County Series

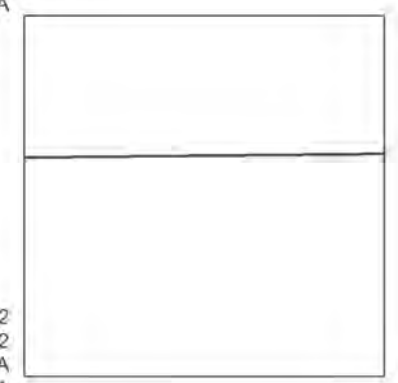
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Revised 1932
Edition N/A
Copyright N/A
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Revised 1932
Edition N/A
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Levelled N/A

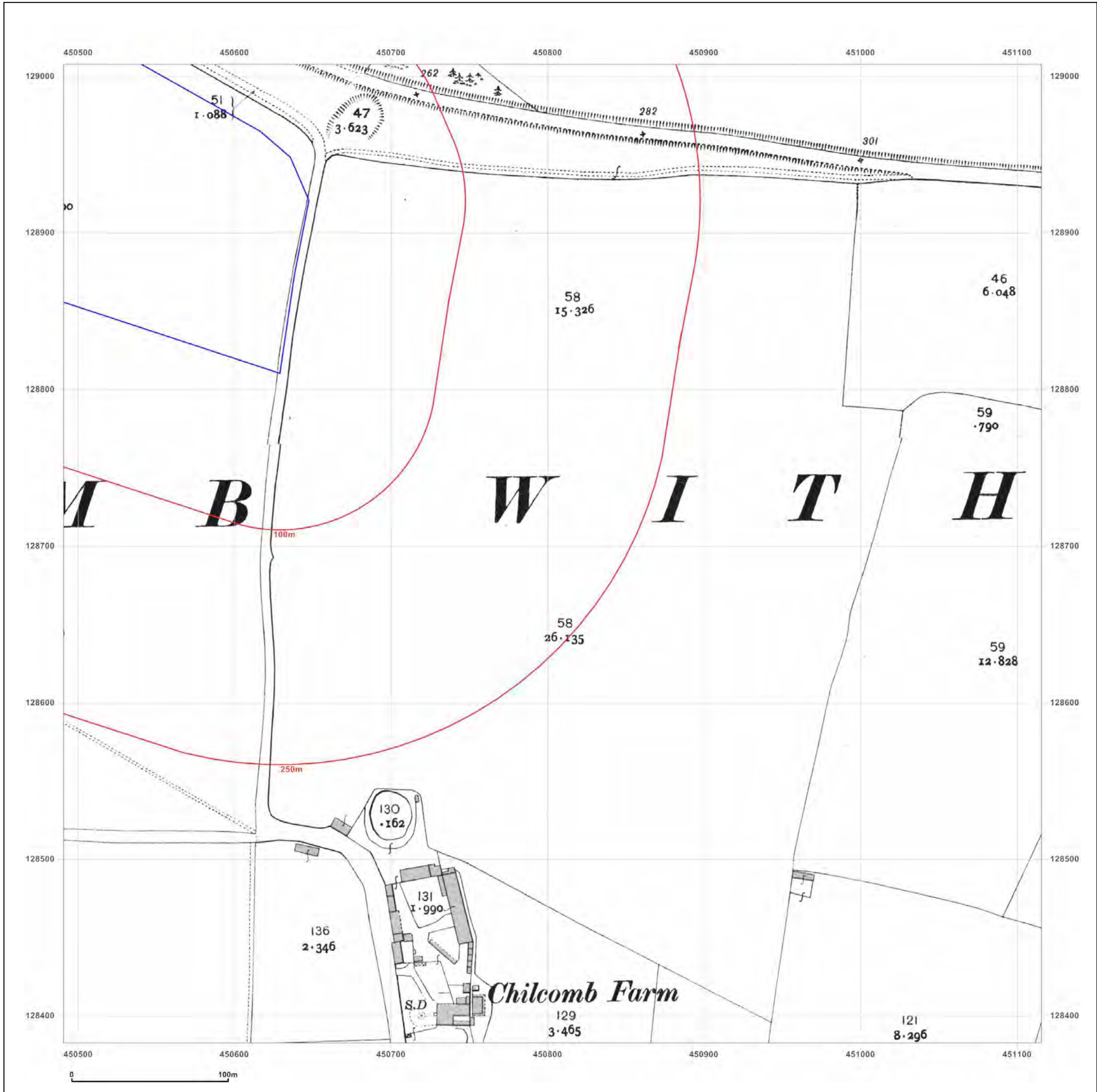


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Report Ref: GS-7137935_LS_3_1
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Map Name: County Series

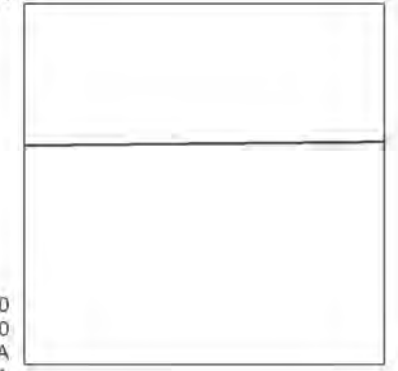
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Revised 1939
Edition N/A
Copyright N/A
Levelled N/A



Surveyed 1940
Revised 1940
Edition N/A
Copyright N/A
Levelled N/A

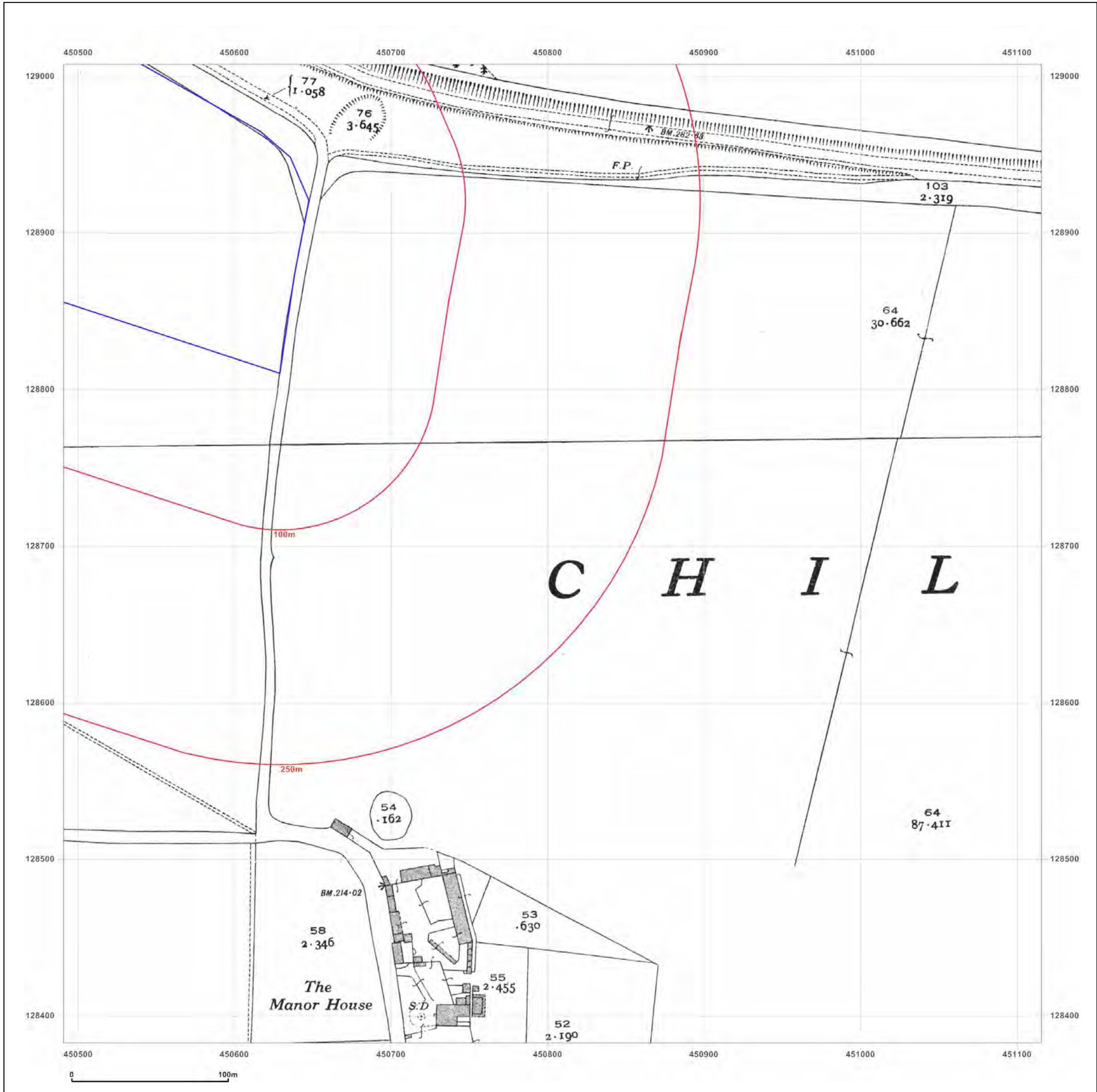


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Site Details:

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129011.43949057997

Client Ref: 33689_-_M3J9-_Site_3
Report Ref: GS-7137935_LS_3_1
Grid Ref: 450803, 128695

Map Name: National Grid

Map date: 1962

Scale: 1:2,500

Printed at: 1:2,500



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Revised 1962
Edition N/A
Copyright 1963
Levelled 1959

Surveyed 1962
Revised 1962
Edition N/A
Copyright 1964
Levelled 1958

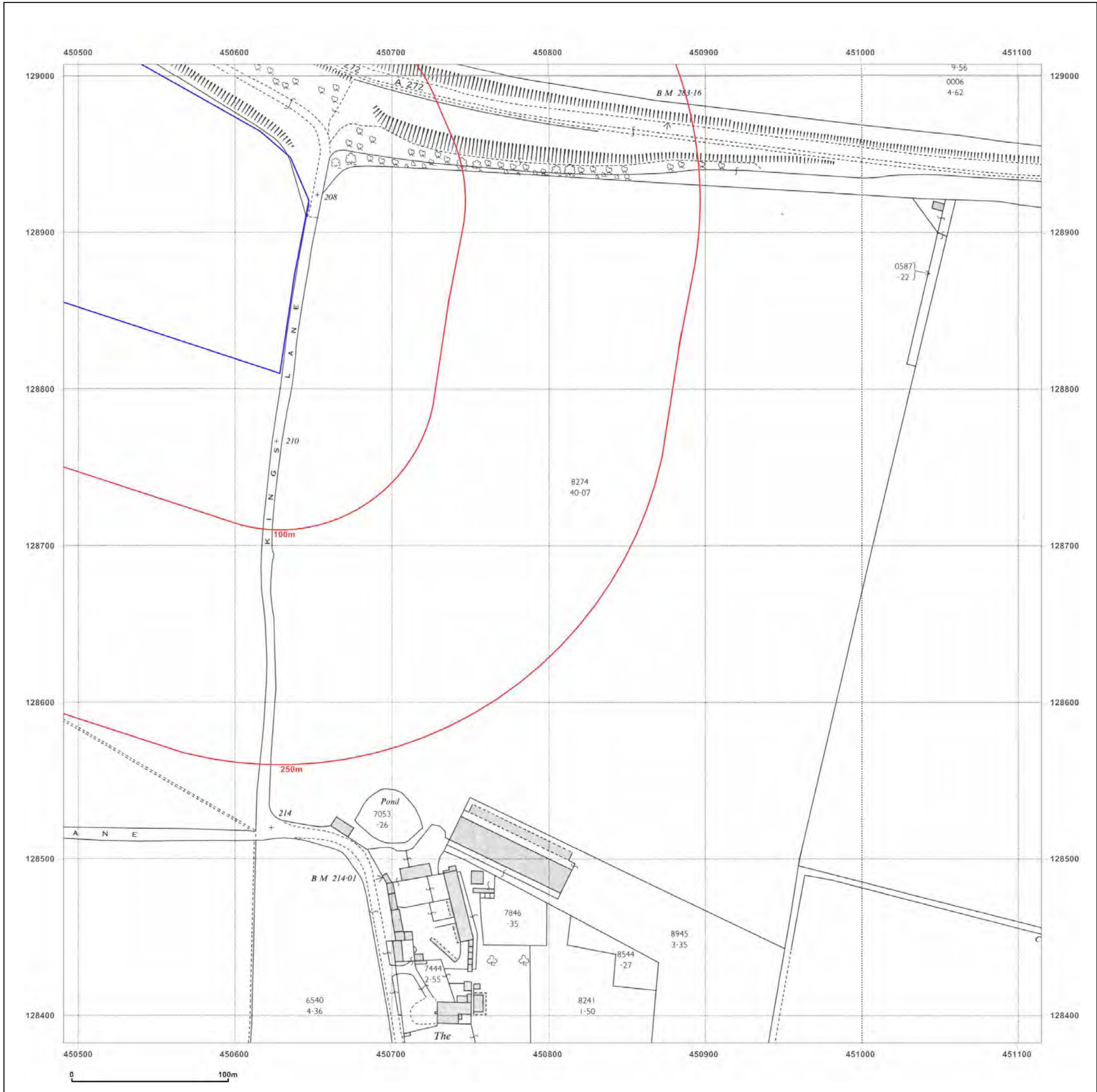


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Site Details:

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Report Ref: GS-7137935_LS_3_1
Grid Ref: 450803, 128695

Map Name: National Grid

Map date: 1976-1978

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Printed at: 1:2,500



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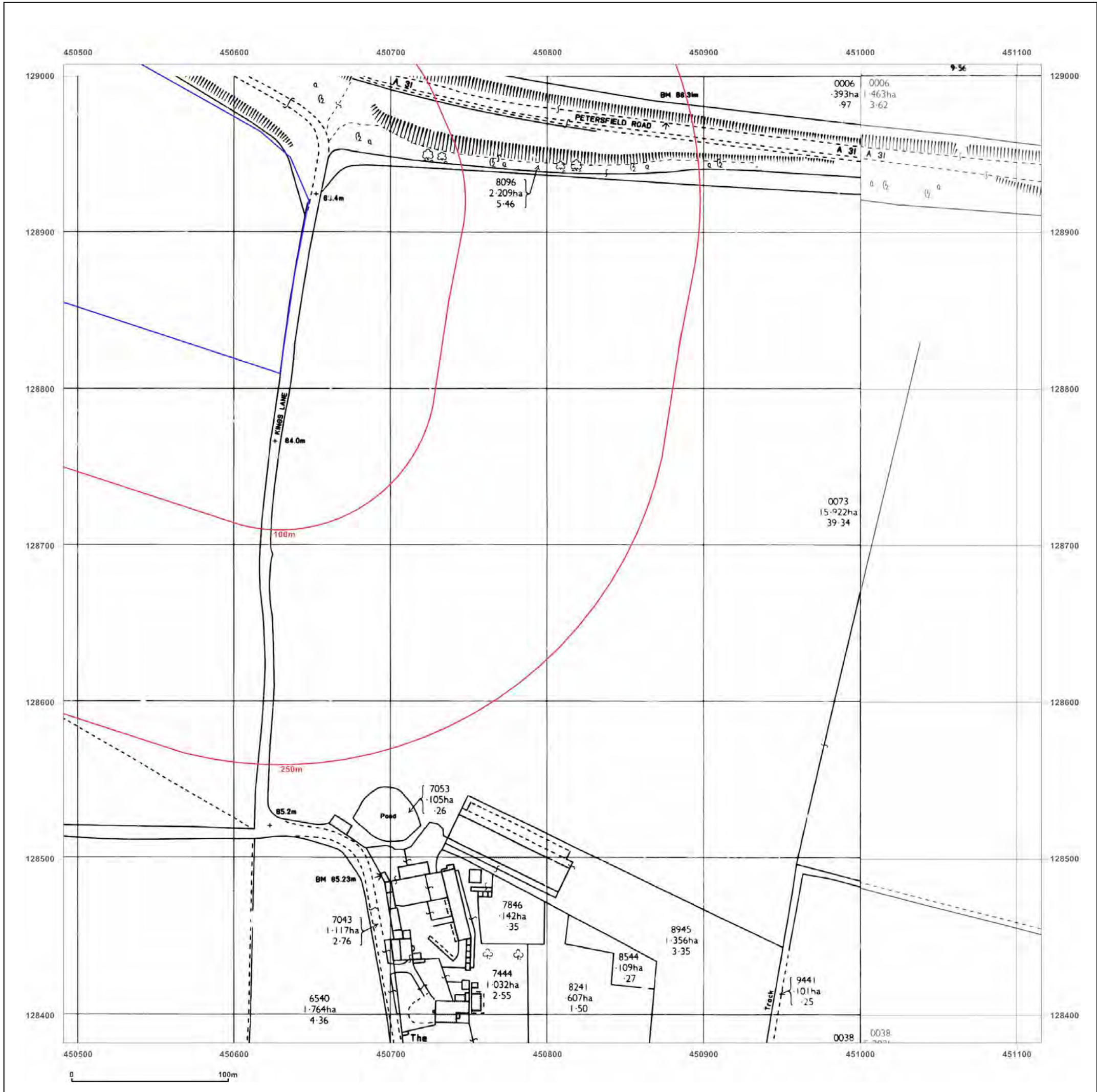


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Site Details:

450268.56815755053,
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Client Ref: 33689_-_M3J9-_Site_3
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Grid Ref: 450803, 128695

Map Name: National Grid

Map date: 1989-1992

Scale: 1:2,500

Printed at: 1:2,500



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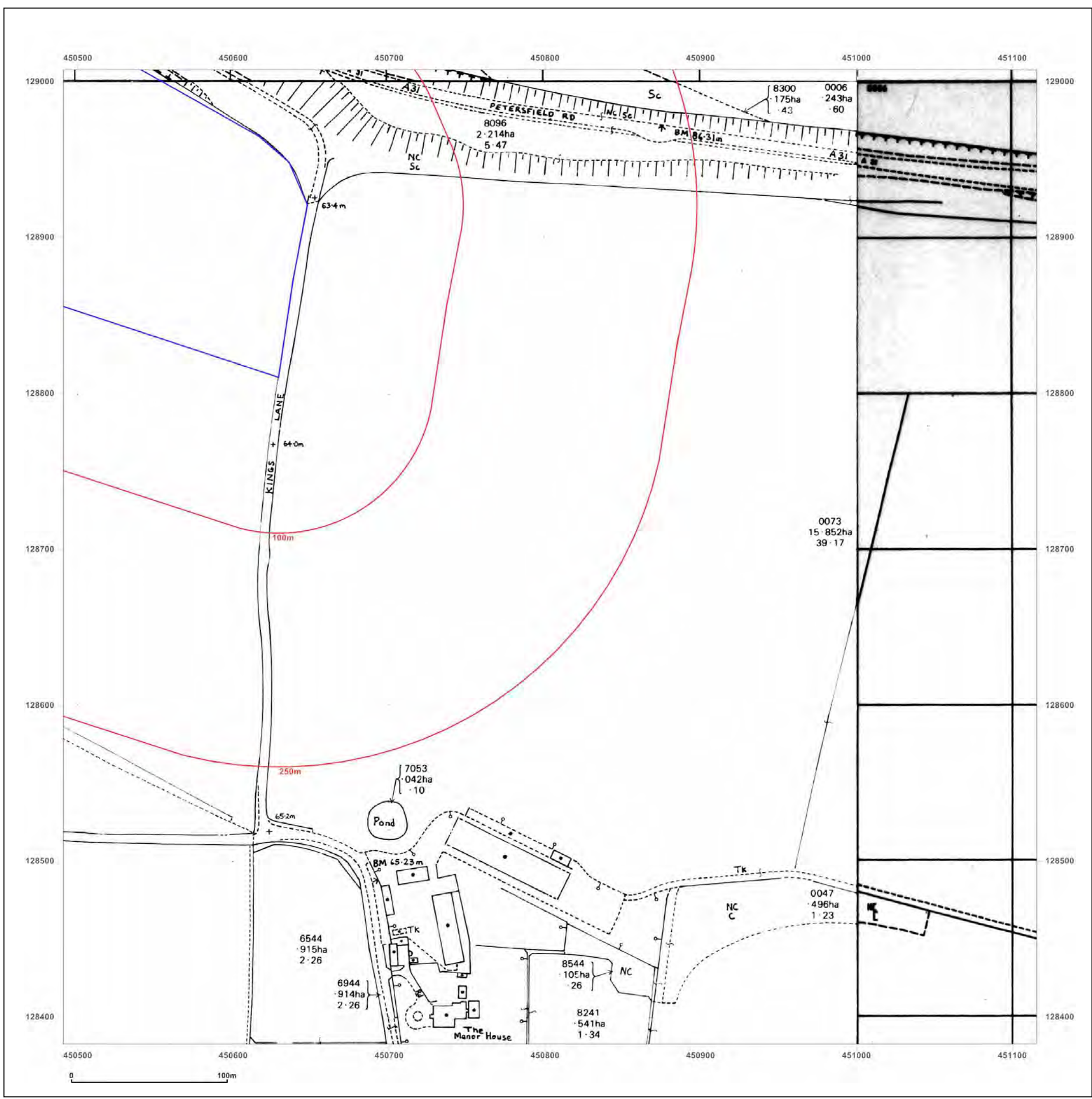


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Site Details:

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Client Ref: 33689_-_M3J9-_Site_3
Report Ref: GS-7137935_LS_3_1
Grid Ref: 450803, 128695

Map Name: National Grid

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Revised N/A
Edition N/A
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Revised N/A
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Copyright 1990
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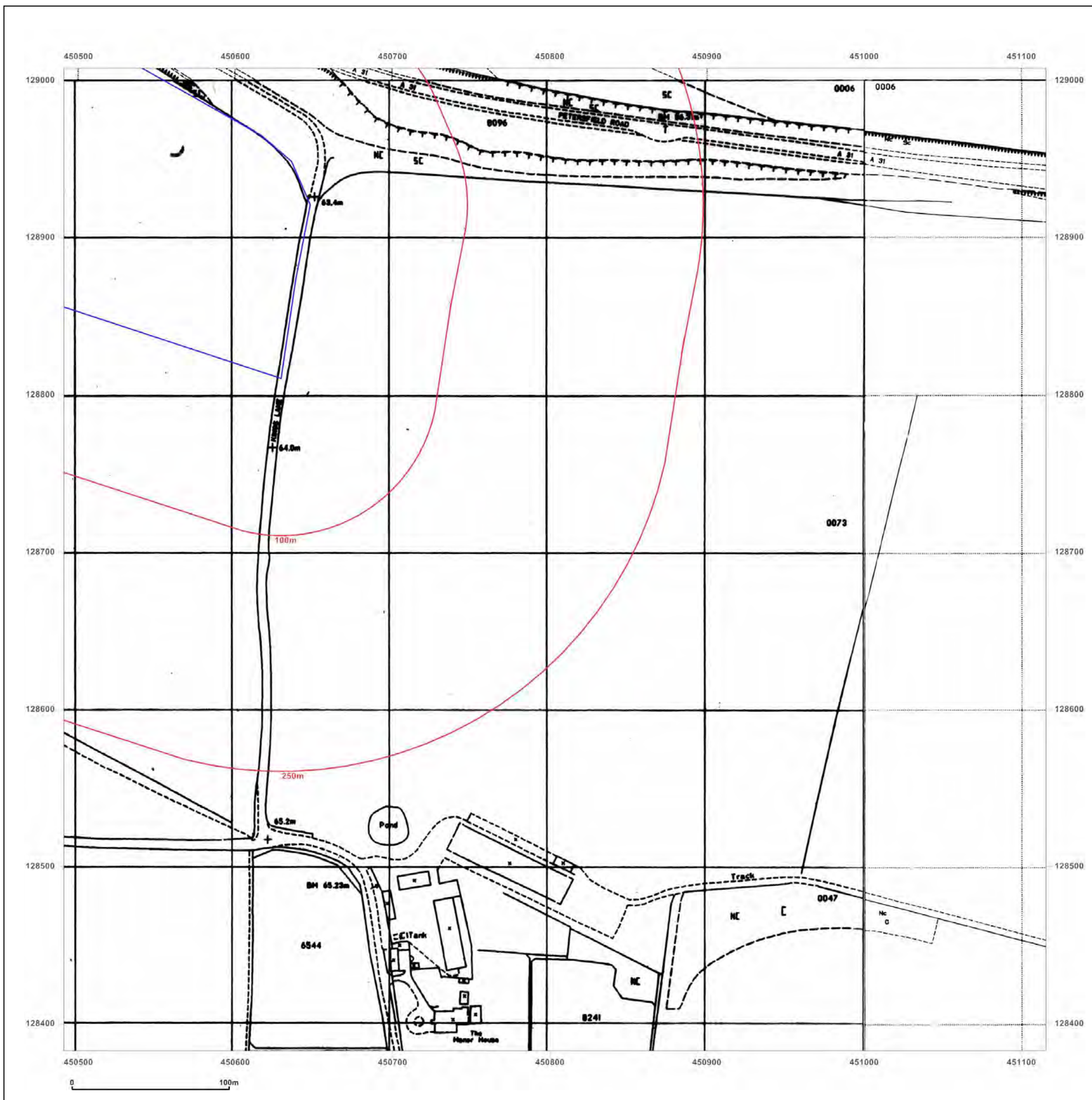


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Map Name: National Grid

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Scale: 1:2,500

Printed at: 1:2,500



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

Surveyed 1957
Revised 1989
Edition N/A
Copyright 1989
Levelled 1957

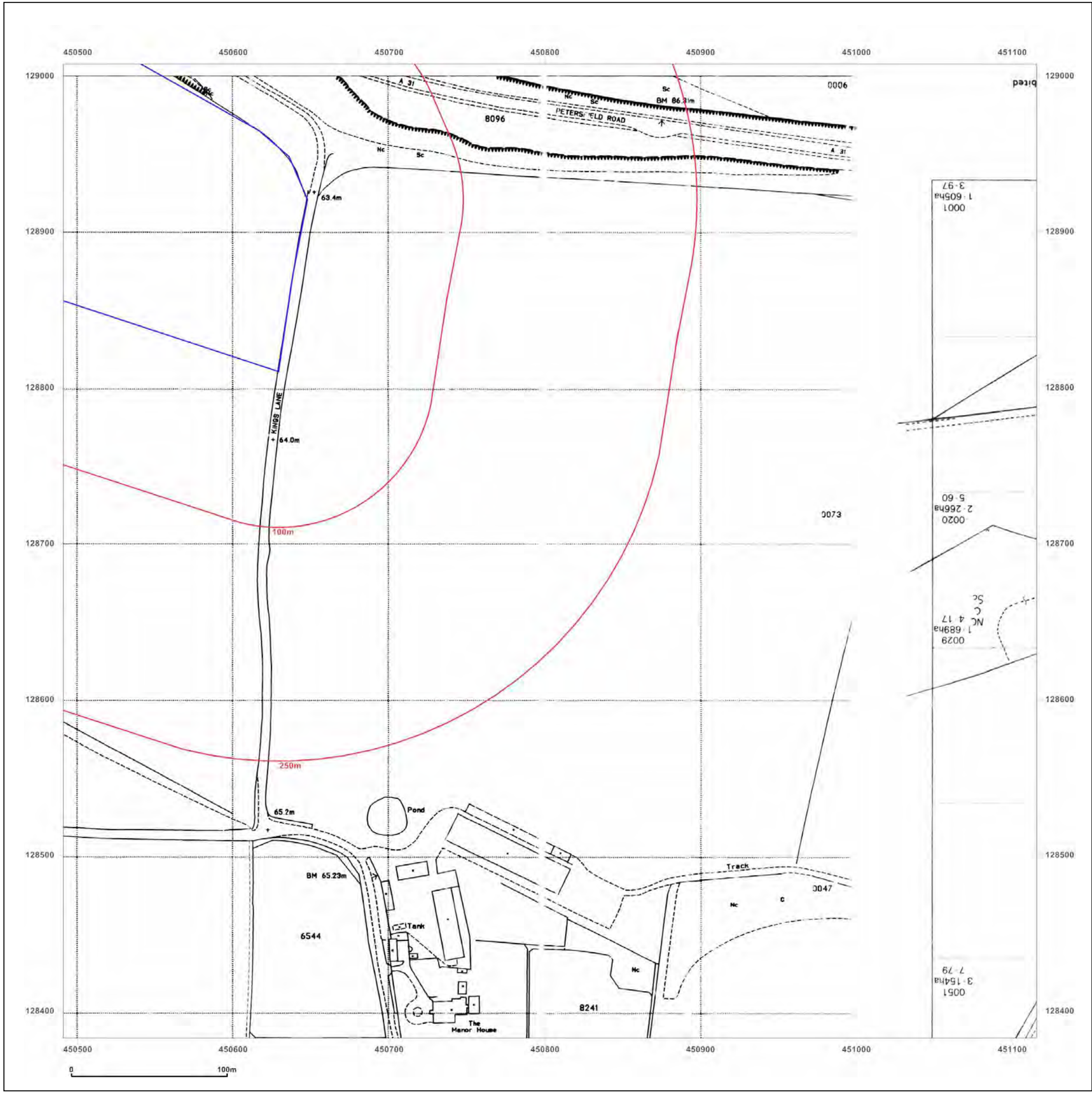


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Map Name: County Series

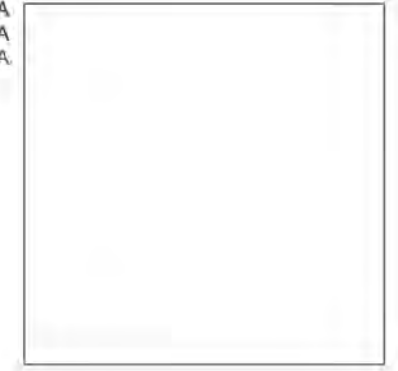
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Surveyed 1870
Revised 1870
Edition N/A
Copyright N/A
Levelled N/A

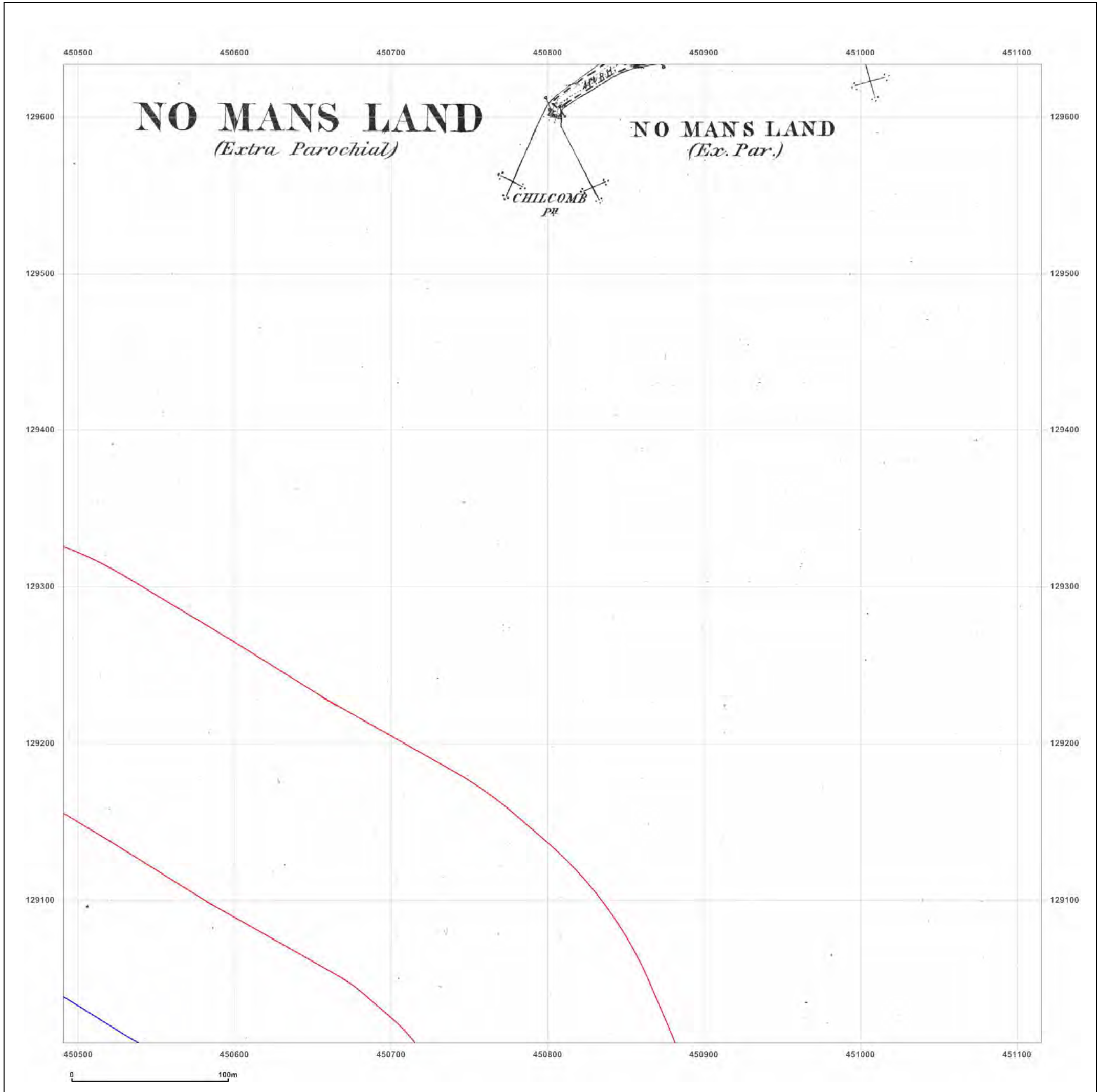


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Map Name: County Series

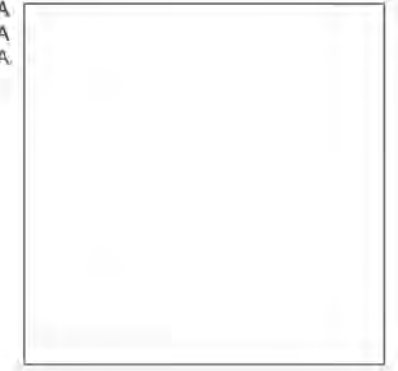
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Revised 1870
Edition N/A
Copyright N/A
Levelled N/A

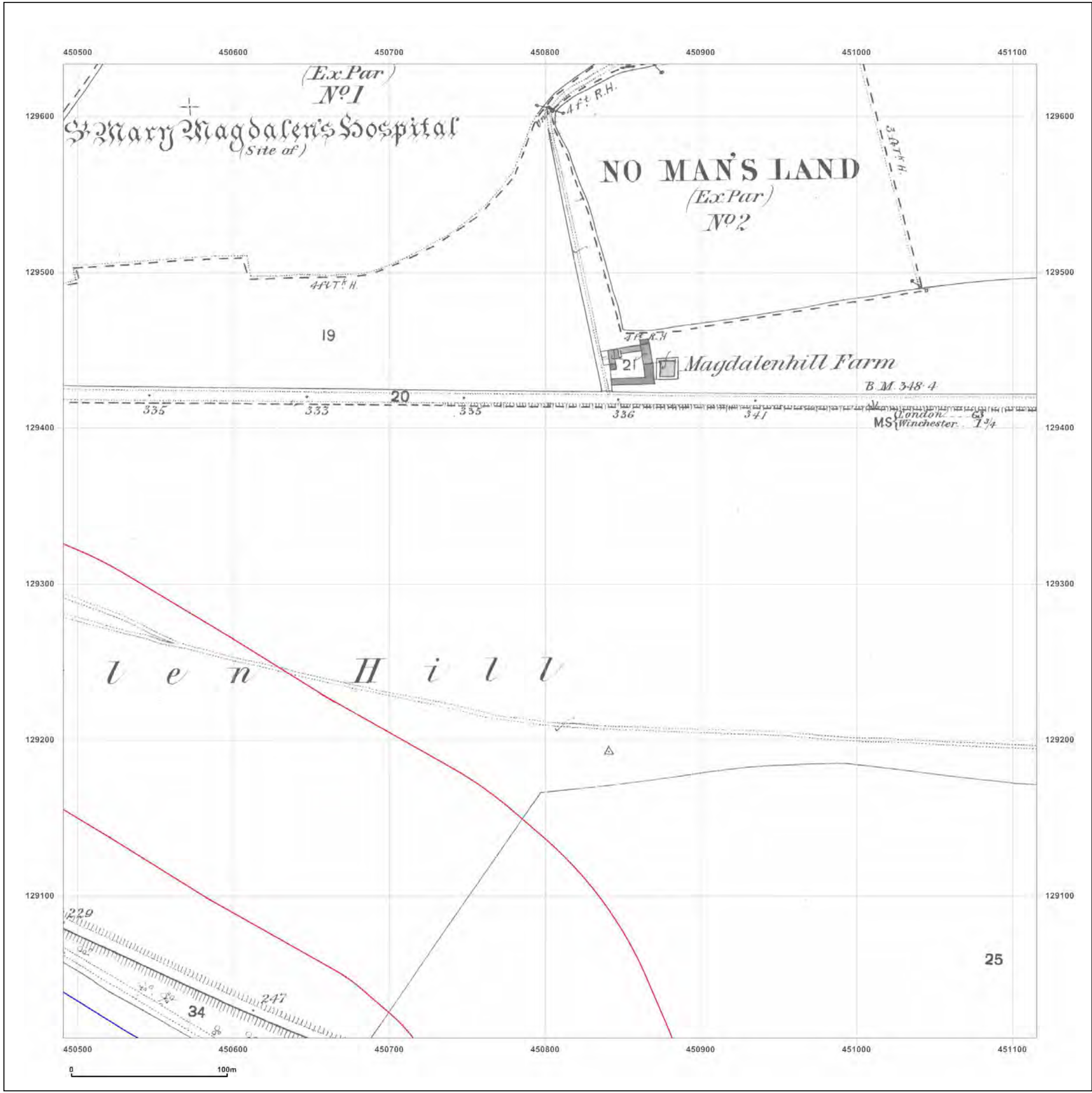


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Map Name: County Series

Map date: 1896

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Printed at: 1:2,500



Surveyed 1896
Revised 1896
Edition N/A
Copyright N/A
Levelled N/A

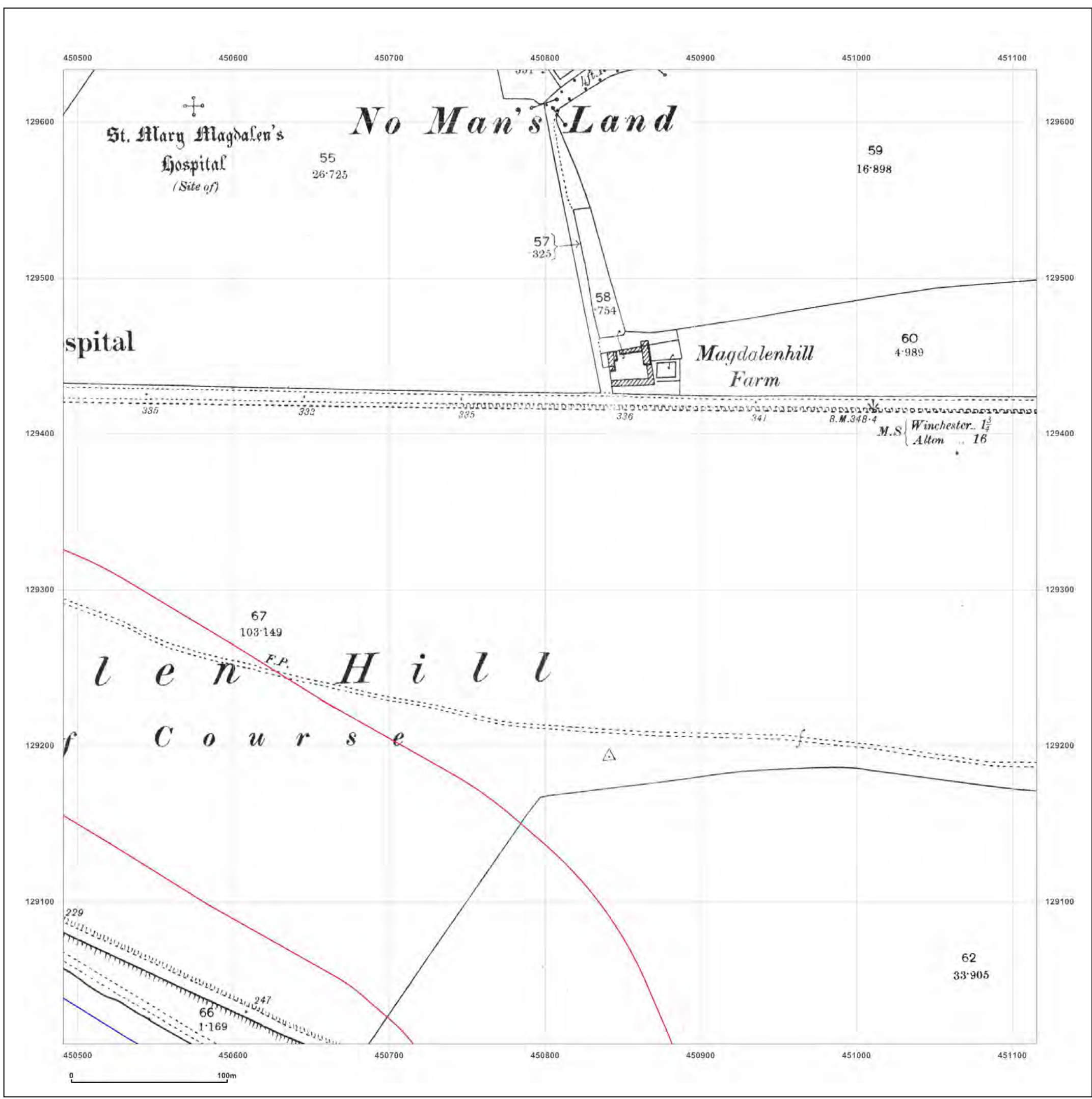


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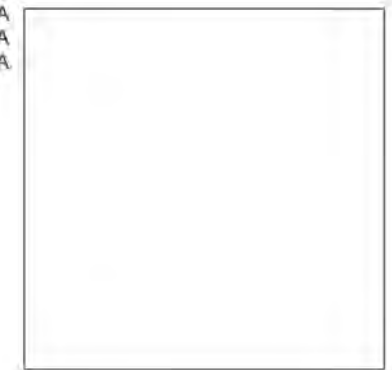
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Surveyed 1809
Revised 1909
Edition N/A
Copyright N/A
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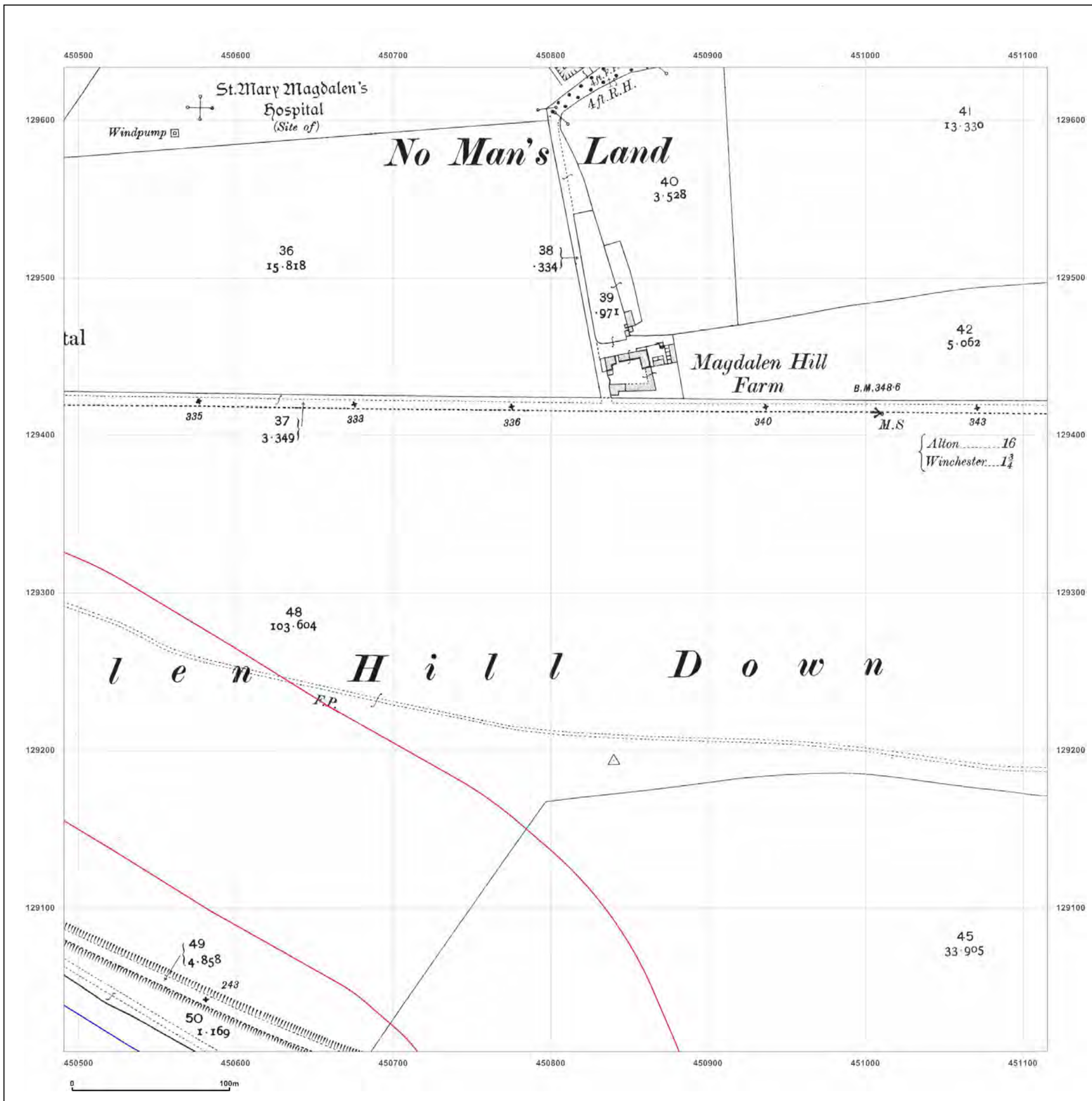


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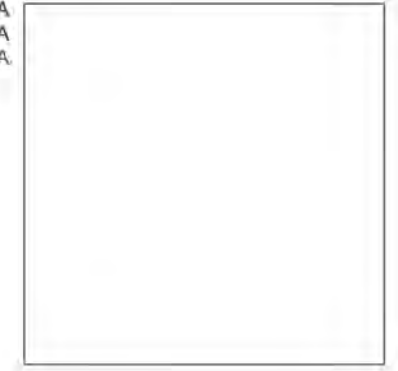
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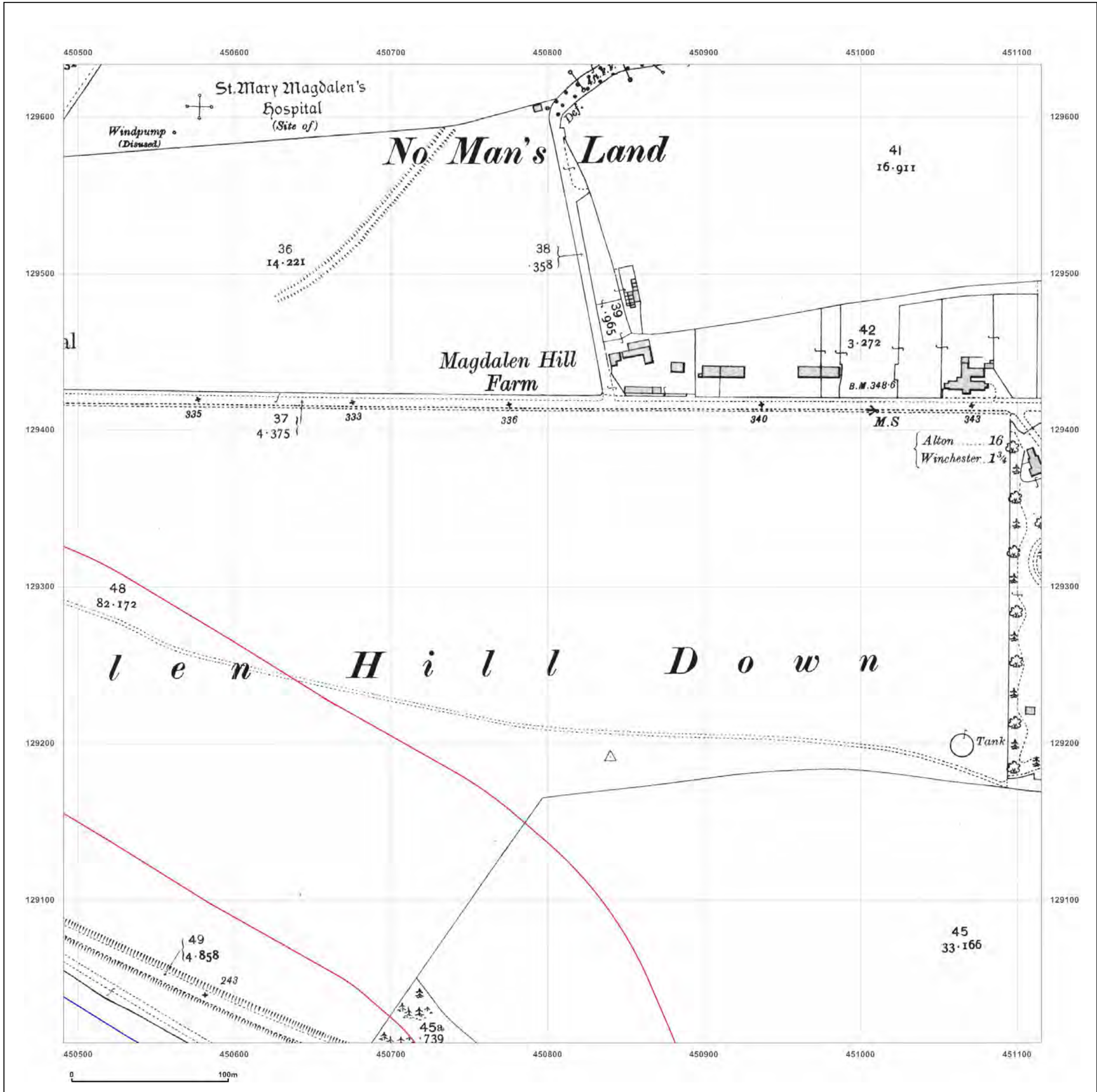


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Grid Ref: 450803, 129321

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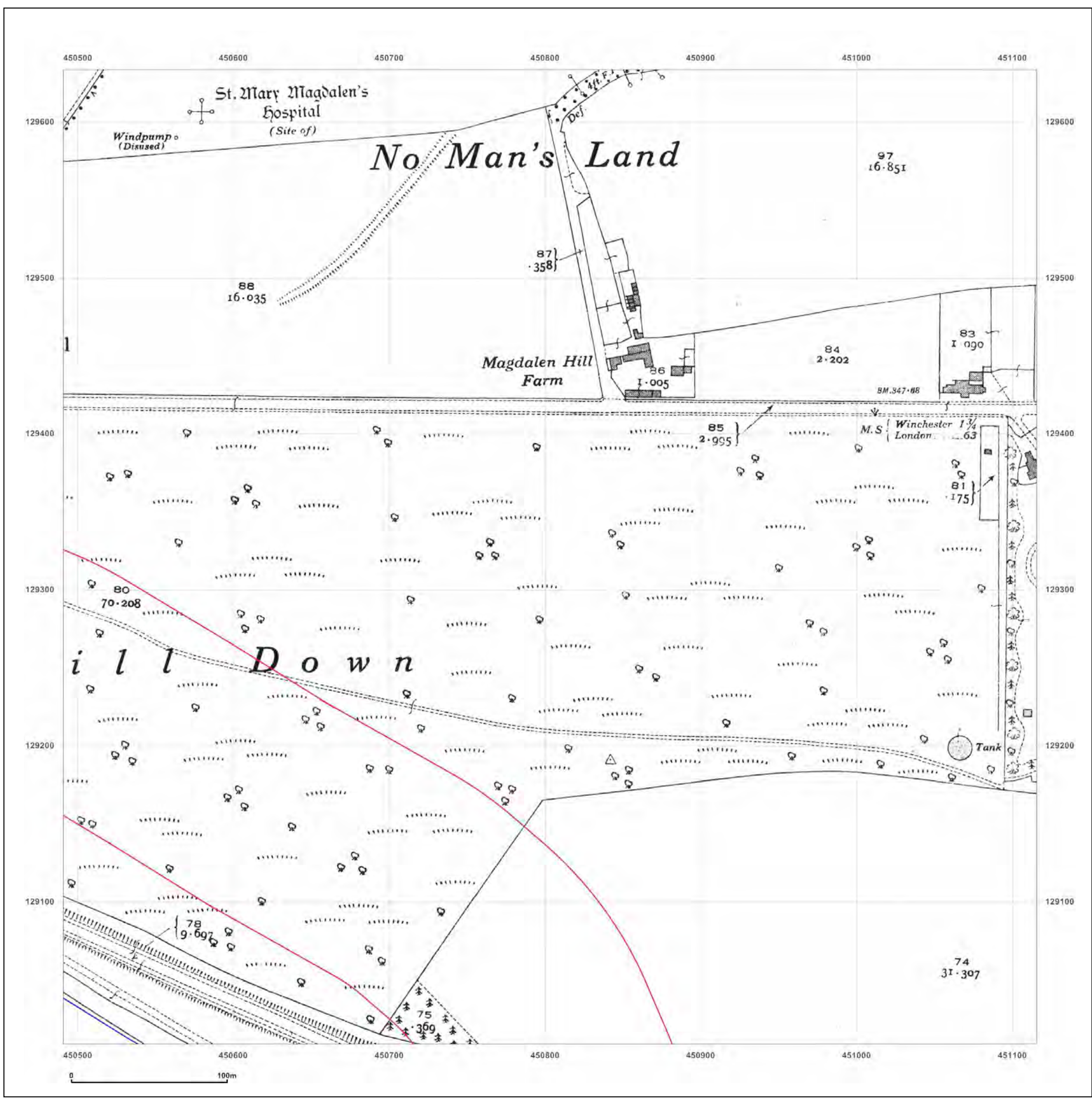


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Grid Ref: 450803, 129321

Map Name: National Grid

Map date: 1992-1994

Scale: 1:2,500

Printed at: 1:2,500



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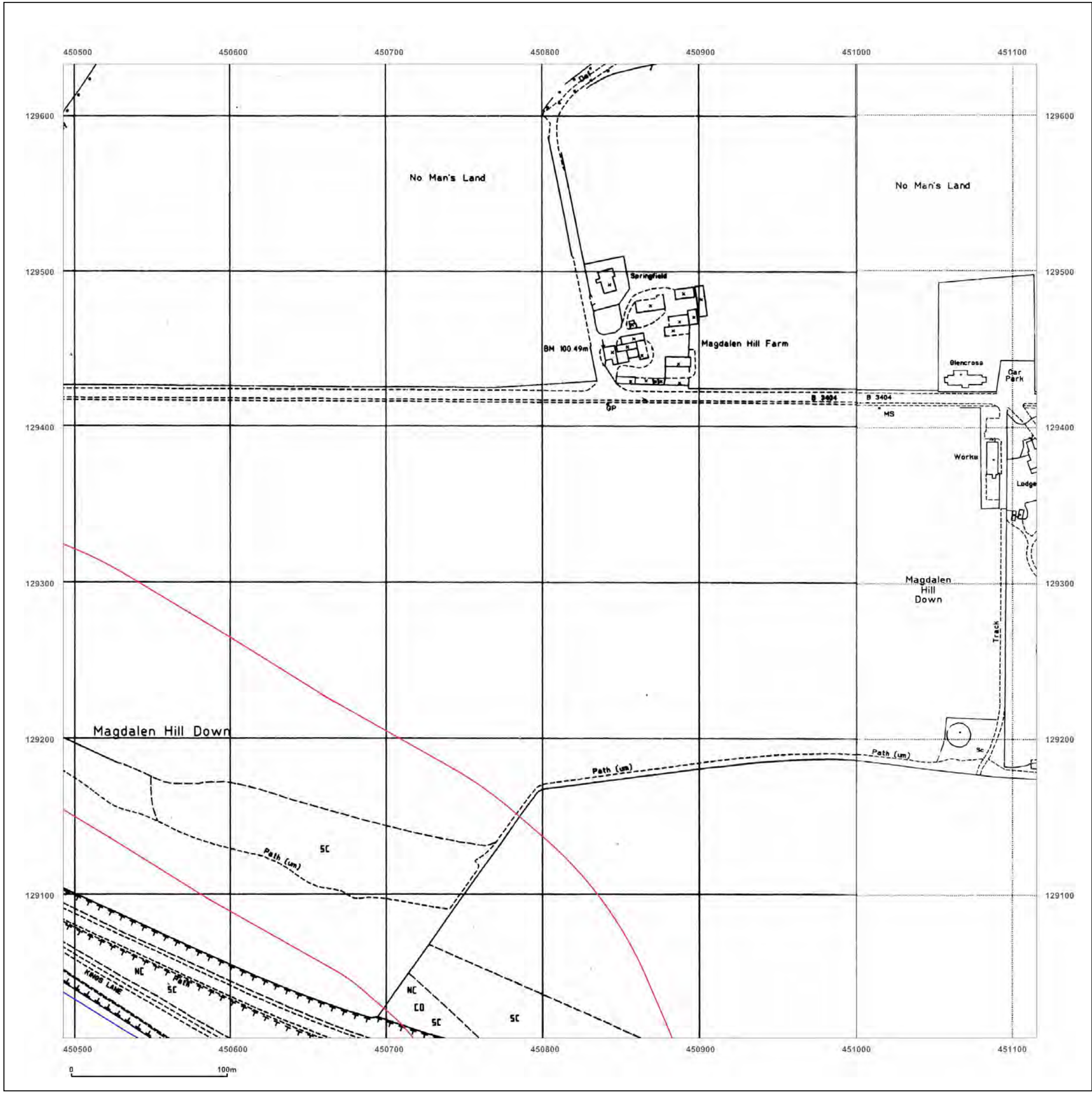


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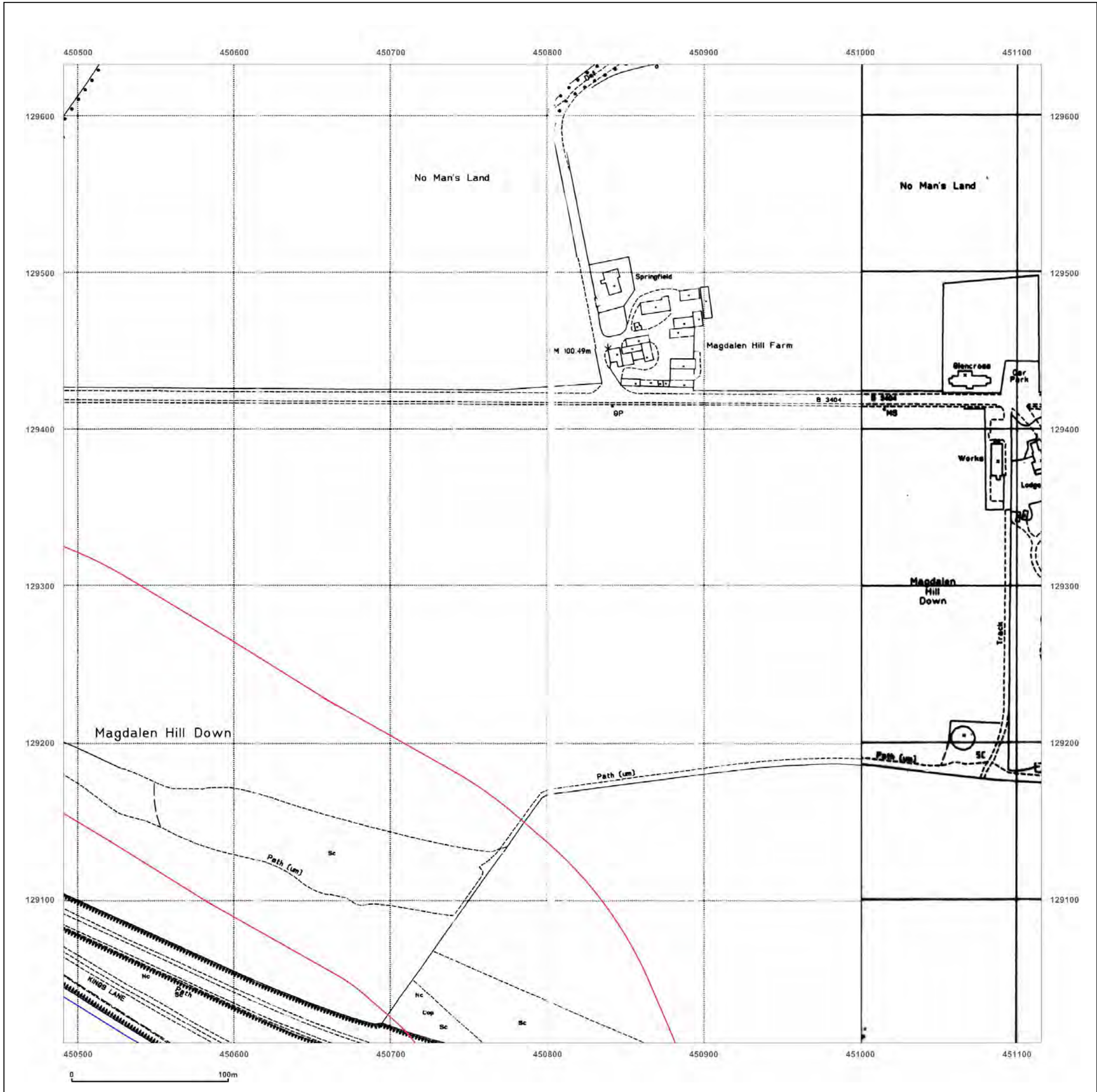


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Appendix D Site history

Site 1

Map edition (scale)	On-site information	Off-site information
1870 (1:2500)	The site forms part of a larger agricultural field	The site is set within agricultural land. A northwest/south east trending road is present some 200m to the southwest (now known as the A272)
1870-1871 (1:2500)	No significant changes	No significant changes
1874-1875 (1:10,560)	No significant changes	No significant changes
1895–1897 (1:10,560)	No significant changes	A chalk pit is present some 600m to the southwest
1896 (1:2500)	No significant changes	No significant changes
1908-1911 (1:10,560)	No significant changes	The chalk pit 600m is now labelled as 'old chalk pit'
1932 (1:2500)	No significant changes	Residential dwellings associated with Worth Down Camp (military) have been constructed 750m to the north
1932 (1:10,560)	No significant changes	No significant changes
1957-1961 (1:10,560)	No significant changes	No significant changes
1962-1964 (1:2500)	No significant changes	No significant changes
1966	No significant changes	No significant changes

Map edition (scale)	On-site information	Off-site information
(1,10,560)		
1969 (1:10,560)	No significant changes	Generally north/south trending tracks/roadways are established leading to Worthy Down Camp
1969 (1:2500)	No significant changes	The A34 road together with a road junction is established to the immediate south and west of the site
1976-1977 (1:10,000)	No significant changes	No significant changes
1984 (partial map) (1:2500)	Reconfiguration of the A34 adjacent to the site, with a road now present in the north west of the site	No significant changes
1987 (1:10,000)	Reconfiguration described above is shown to include a road along the western boundary of the site. The remainder of the site remains undeveloped.	No significant changes
1993 (partial map) (1:2500)	No significant changes	No significant changes
2001 (1:10,000)	No significant changes	No significant changes
2003 (1:1250)	No significant changes	No significant changes
2010 (1:10,000)	No significant changes	No significant changes
2020 (1:10,000)	No significant changes	No significant changes

Site 2

Map Edition (Scale)	On-Site Information	Off-Site Information
1869-1870 (1:2500)	<p>Site 2a is an undeveloped parcel of land with several braids of the River Itchen flowing through.</p> <p>Areas 2b – 2e comprise undeveloped agricultural land; an east/west trending track is present in area 2e.</p>	<p>Site 2 is generally set within undeveloped agricultural land with sporadic farms present. The villages of Easton and Headbourne Worthy are present some 500m to the west of 2a and east of 2b respectively.</p> <p>The various braids of the southward flowing River Itchen pass through the wider area and cross the site in area 2a.</p> <p>Chalk pits are present to the immediate east of area 2a, and 75m east of 2b and 2c</p>
1874 (1:10,560)	A sluice gate to control the largest of these braids is present in the north of 2a.	No significant changes
1895-1897 (1:10,560)	No significant changes	<p>The chalk pit located east of area 2b is now labelled old chalk pit.</p> <p>The broadly north to south trending GWR Didcot, Newbury and Southampton trainline is present approximately 50m to the west of 2a.</p>
1896 (1:2500)	No significant changes	Iron works and saw mills present 500m to the north of area 2a
1908-1910 (1:10560)	No significant changes	No significant changes
1909 (1:2500)	Small chalk pit present in northern part of 2c; southern	No significant changes

Map Edition (Scale)	On-Site Information	Off-Site Information
	tip of 2c possibly in use as allotments	
1931 (1:10,560)	No significant changes	Winnall Cottage and Whitehill Farm are present to the southeast of 2c
1932 (1:2500)	Allotments in 2c no longer indicated	No significant changes
1938 (1:10,560)	No significant changes	No significant changes
1939 (1:2500)	No significant changes	No significant changes
1957-1961 (1:10,560)	The River Itchen has been reprofiled, and several of the braids previously present on site are no longer shown; river channels are still present along the western and south-eastern boundaries of area 2a	The north-south trending Winchester Bypass has been established to the immediate west of the Site.
1962 (1:2500)	A 'gantry' is present in the west of the 2a area, straddling the River Itchen	Iron works and saw mills no longer present. Residential development 300m to north of 2a. Works present to east of railway line (250m n of 2a)
1966-1968 (1:10,560)	No significant changes	No significant changes
1969 (partial map) (1:10,560)	A 'gantry' label is present within area 2a, although it is believed that this relates to adjacent off-site bypass.	Reprofiling of the former chalk pit present adjacent to 2a; potentially infilled.
1973 (1:2500)	Suspected widening of the River Itchen channel in area 2a	Winchester bypass altered to include second carriageway 100m to the west of 2a. The railway is now dismantled

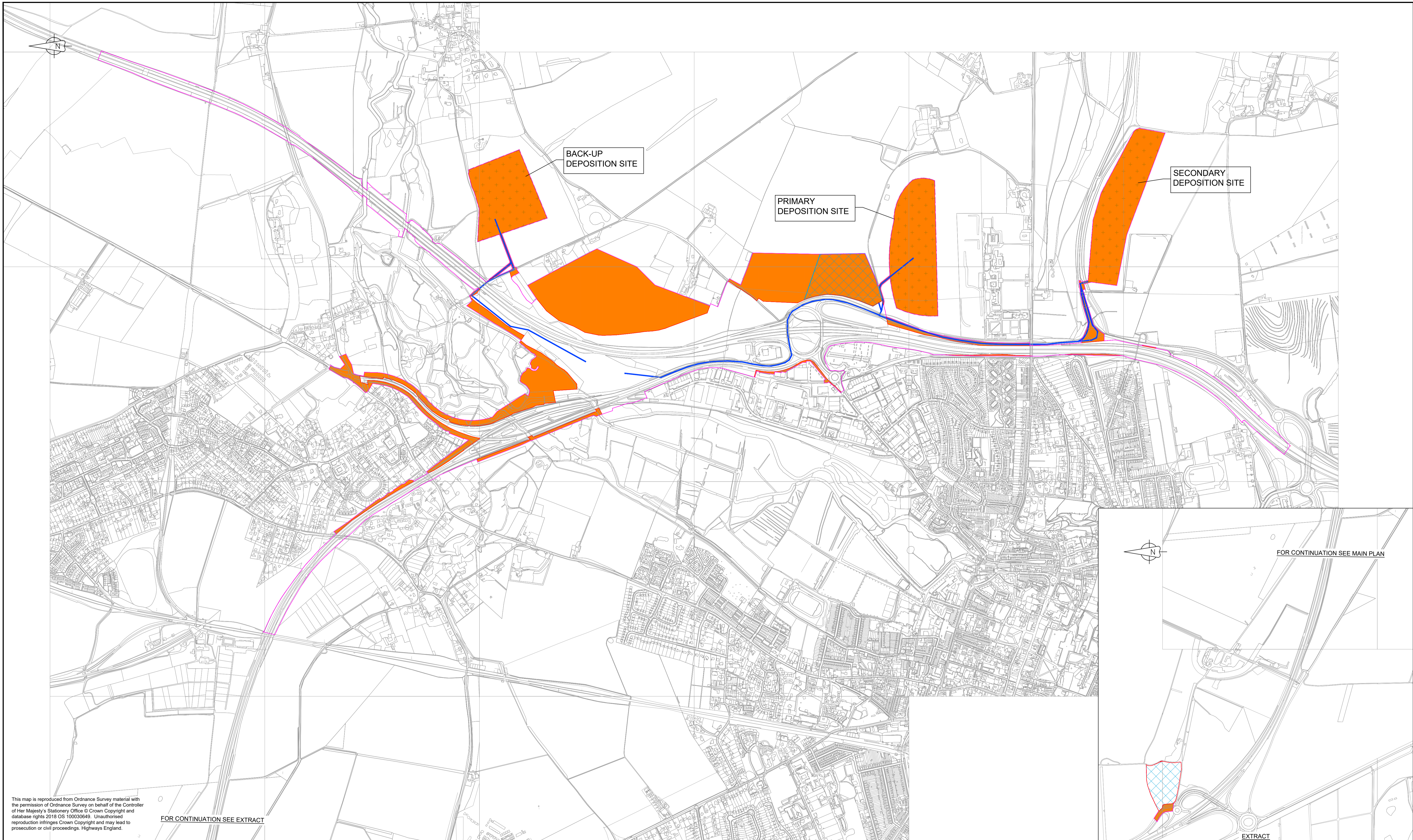
Map Edition (Scale)	On-Site Information	Off-Site Information
	Chalk pit no longer shown in area 2c	with the associated embankment still in place
1975 (1:2500)	No significant changes	No significant changes
1977-1981 (partial map) (1:10,000)	No significant changes	No significant changes
1987 (1:2500)	No significant changes	No significant changes
1987-1989 (1:10,000)	No significant changes	M3 motorway now constructed trending north to south through the wider area. The motorway passes between areas 2a and 2c in the north of the area, and a roundabout associated with the motorway junction forms the western boundary of area 2d.
1993-1994 (1) (1:2500)	No significant changes	Old chalk pit 75m east of 2b is noted as being a disused sheep dip
2010 (1:10,000)	No significant changes	No significant changes
2020 (1:10,000)	No significant changes	No significant changes
(1) Map has shifted all features approximately 100m to west in area 2a; this shift is attributed to a mapping error and does not represent changes to the site or surrounding area		

Site 3

Map Edition (Scale)	On-Site Information	Off-Site Information
1870 (1:2500)	Site generally comprises undeveloped agricultural land, with an east-west aligned road set within a cutting passing through the northwest.	The site is set within a rural landscape with sporadic farms present in the surrounding area. A golf course is located some 25m to the north of the site.
1870-1874 (1:10,560)	Site generally comprises undeveloped agricultural land, with an east-west aligned road set within a cutting passing through the northwest.	The outskirts of Winchester are located 500m to the west.
1895-1897 (1:10,560)	No significant changes	Old chalk pit present to the immediate northeast of the site. Isolation hospital located 300m to north
1896 (1:2500)	No significant changes	No significant changes
1908-1910 (1:10560)	No significant changes	No significant changes
1909 (1:2500)	No significant changes	No significant changes
1931 (1:10560)	No significant changes	Allotments present 50m to the northwest and southwest
1932 (1:2500)	No significant changes	No significant changes
1938 (1:10,560)	New unnamed road aligned northeast-southwest constructed, passing through the northwest of the site	No significant changes

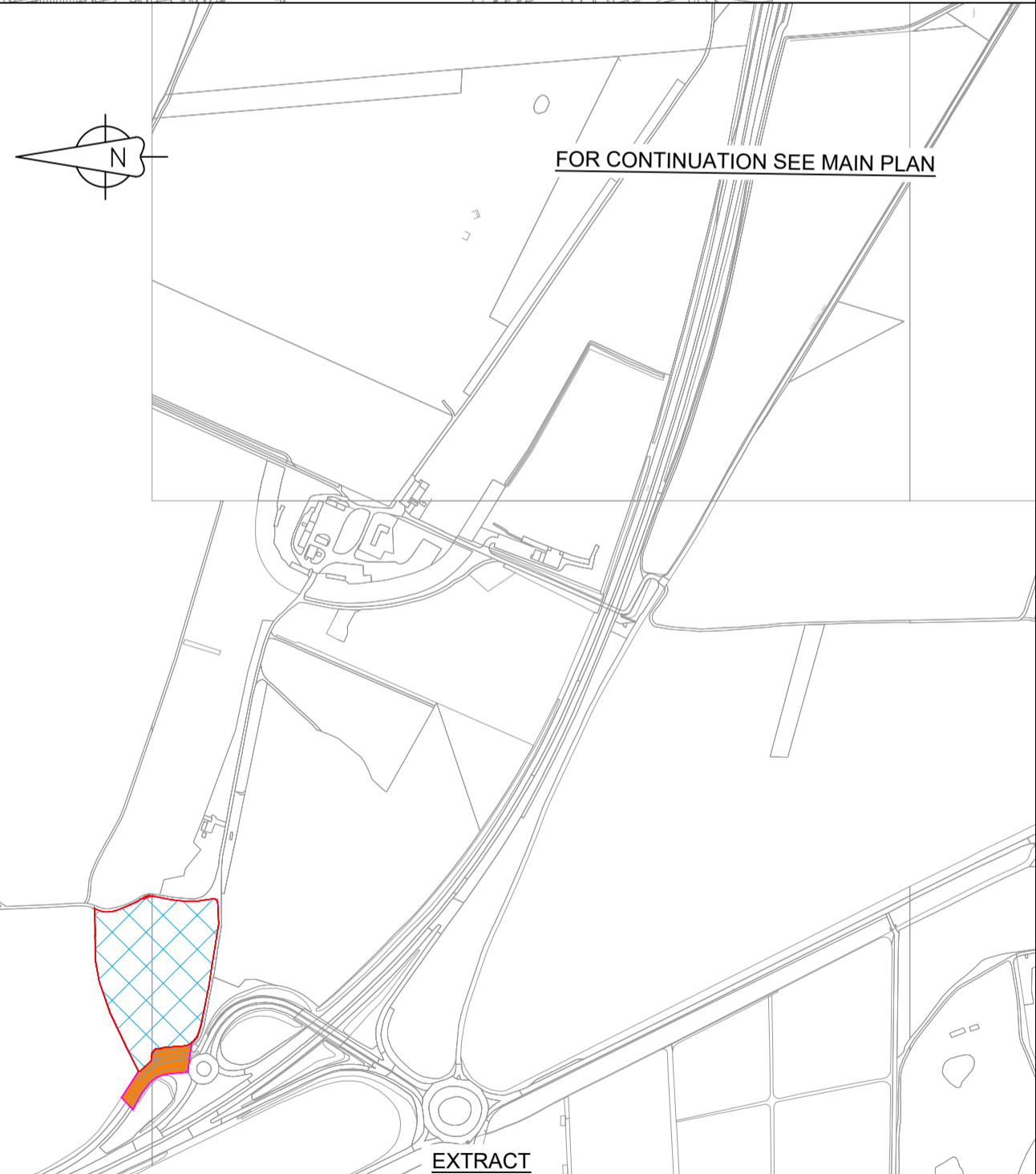
Map Edition (Scale)	On-Site Information	Off-Site Information
1939 (1:2500)	No significant changes	No significant changes
1957-1961 (1:10,560)	Realignment of roads in northwest of site including construction of an embankment.	Residential led urban expansion of Winchester; closest houses now some 250m west of site. Warehouses constructed 250m to the south
1960-1962 (1:12500)	No significant changes	Old chalk pit to northeast appears infilled
1966-1968 (1:10,560)	No significant changes	Sports ground present to the immediate south of the site
1987-1989 (1:10,000)	No significant changes	Broadly north-south aligned M3 now present 100m west of the site Warehouses now labelled as works.
1992 (1:2500)	No significant changes	No significant changes
2001 (1:10,000)	Roads in northwest now resemble current alignment. Road in NW labelled as A31 (Petersfield Road)	No significant changes
2010 (1:10,000)	No significant changes	No significant changes
2020 (1:10,000)	No significant changes	No significant changes

Appendix E Proposed site layout



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FOR CONTINUATION SEE EXTRACT



KEY:

	ORDNANCE SURVEY MAPPING (REF:HE551511-JAC-VGN-0_00-M2-G-0001)
	STAGE 3A ORDER LIMITS AREA: 939,549m ² (REF:HE551511-JAC-GEN-0_00-M2-Z-0008)
	INDICATIVE APPLICATION BOUNDARY AREA: 1,722,686m ² (REF:HE551511-VFK-GEN-0_00-M2-Z-0001)
	DIFFERENCE AREA: 812,708m ²

CONTRACTOR COMPOUND, DEPOSITION SITE AND DEPOSITION AREAS

	SITE COMPOUND
	HAUL ROUTES
	POTENTIAL DEPOSITION SITE
	- PRIMARY SITE: 123,122m ²
	- SECONDARY SITE: 119,303m ²
	- BACK-UP SITE: 96,462m ²

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Rev.	Date	Description	Drawn	Chk'd	App'd
P03	04.09.20	AREAS AMENDED TO SUIT DESIGN TEAM AND CONTRACTOR DISCUSSIONS	AC	AC	MF
P02	19.08.20	LOCATION CODE AMENDED, DEPOSITION AREAS AMENDED, HAUL ROUTES ADDED	AC	AC	MF
P01	31.07.20	CONTRACTOR POTENTIAL AREAS ADDED	AC	AC	TW

Drawing Status: **INFORMATION**

Client:

Project Title: M3 JUNCTION 9 IMPROVEMENTS					
Drawing Title: SOLUTION 2 - VARIANT 1 ORDER LIMITS VARIATION					
Scale: NTS	Designed: N/A	Drawn: AC	Checked: AC	Approved: MF	
Original Size: A1	Date: -	Date: 21.07.20	Date: 21.07.20	Date: 21.07.20	
Drawing Number: HE551511	Originator: VFK	Volume: GEN	Project Ref. No. 48176		
X_XXXX XX		DR	CX	0002	Revision: P03
Location		Type	Role	Number	

Appendix F **BGS archive records**

D Strata log

Geological classification (BGS only)	Description of strata	Thickness (m)	Depth (to base of strata) (m)
	OVER BURDEN	2	2
	BLOCK CHALK + FLINT	14	16
	HARD BROWN FLINT + CHALK	2	18
	SOFT CHALK with FLINT	13	31
	HARD BROWN FLINT + CHALK	2	33
	HEAVY FLINT with COURSE SAND (A LOT OF WATER)		
	SOFT CHALK	29	62
	HARD BLACK FLINT	1/2	62.5
	SOFT GRAY CHALK with SOME FLINT	8	70.5
(continue on separate page if necessary)			
Other comments (for example, gas encountered, saline water intercepted)			

E Completing this form

How long did it take you to fill in this form? _____

For Official use only

Date received (DD/MM/YYYY)

File

Consent number

BGS reference number

Accession number

Wellmaster number

SOBI number

NGR

LIC NO

Purpose

EA reference number

Copy number

Entered by

Borehole record form

British Geological Survey

British
Geological Survey
NATURAL ENVIRONMENT RESEARCH COUNCILEnvironment
Agency

Water Resources Act 1991 (as amended by the Water Act 2003)

A Site details

Borehole drilled for MEYRICK ESTATE / SIMON BLOWNE
 Location DOWN FARM, WINCHESTER.
 NGR (ten digits) SU 47054 - 33674 Please attach site plan
 Ground level (if known) 79 metres Above Ordnance Datum
 Drilling company AGRICULTURAL WATER ENGINEERS LTD.
 Date drilling commenced 9/09/2013 (DD/MM/YYYY) Completed 20/09/2013 (DD/MM/YYYY)

B Construction details

Borehole datum (if not ground level) +0.300m metres (m). Please tick if this is above or below ground level.
 (point from which all measurements of depth are taken, for example, flange, edge of chamber)
 Borehole drilled diameter 323 mm from 0 to 10 m/depth
200 mm from 10 to 70.5 m/depth
 _____ mm from _____ to _____ m/depth
 _____ mm from _____ to _____ m/depth
 Casing material STEEL diameter 219 mm from +300 to 11.70 m/depth
 and type (for example, if plain steel, plastic slotted). Please record permanent casing details, not temporary casing.
 Casing material Plastic Slotted diameter 165 mm from 70.50 to 46.50 m/depth
 Casing material Plastic Case diameter 165 mm from 46.50 to +0.30 m/depth
 Casing material _____ diameter _____ mm from _____ to _____ m/depth
 Grouting details OPC + WATER PUMPED FROM 10m to SURFACE
 Water struck at 1. 31 m (depth below datum - mbd) 2. 62 m (mbd)
 3. _____ m (mbd) 4. _____ m (mbd)

C Test pumping summary (Please supply full details on form WR39)

Test pumping datum +0.300 m. Please tick if this is above or below ground level.
 (if different from borehole datum)
 Pump suction depth 60 mbd
 Water level (start of test) 28.10 mbd
 Water level (end of test) 30.23 mbd
 Type of test (for example, bailer, step, constant rate)
STEP
 Pumping rate 5 m³/hour or litres/second . Please tick as appropriate.
 British Geological Survey for _____ days, 16 hours, _____ mins
 Recovery to 28.10 mbd in _____ days, _____ hours, _____ mins
 (from end of pumping)
 Date(s) of measurements Pump started 18/9/13 (DD/MM/YYYY)
 Pump stopped 19/9/13 (DD/MM/YYYY)

Please supply chemical analysis if available. If you have included this please tick this box

Borehole record form

British Geological Survey

British
Geological Survey
NATURAL ENVIRONMENT RESEARCH COUNCILEnvironment
Agency

Water Resources Act 1991 (as amended by the Water Act 2003)

A Site details

Borehole drilled for Bruce McFarlane
 Location Littleton Farm
 NGR (ten digits) 445505-133715 Please attach site plan
 Ground level (if known) 82 metres Above Ordnance Datum
 Drilling company Agricultural Water Engineers Ltd
 Date drilling commenced 12/08/2014 (DD/MM/YYYY) Completed 20/08/2014 (DD/MM/YYYY)

B Construction details

Borehole datum (if not ground level) British Geological Survey metres (m). Please tick if this is above or below ground level.
 (point from which all measurements of depth are taken, for example, flange, edge of chamber)

Borehole drilled diameter 305 mm from 0 to 11.5 m/depth
200 mm from 11.5 to 60 m/depth
 _____ mm from _____ to _____ m/depth
 _____ mm from _____ to _____ m/depth

Casing material Steel diameter 219 mm from 0 to 12 m/depth
 and type (for example, if plain steel, plastic slotted). Please record permanent casing details, not temporary casing.

Casing material PVC casing diameter 165 mm from 0 to 42 m/depth

Casing material PVC screen diameter 165 mm from 42 to 60 m/depth

Casing material _____ diameter _____ mm from _____ to _____ m/depth

Grouting details OPC grout seal pumped from 11.5m to GL @ 25kg to 14ltr water

Water struck at 1. 32 m (depth below datum - mbd) 2. 54 m (mbd)
 3. _____ m (mbd) 4. _____ m (mbd)

C Test pumping summary (Please supply full details on form WR39)

Test pumping datum _____ m. Please tick if this is above or below ground level.
 (if different from borehole datum)

Pump suction depth 50 mbd

Water level (start of test) 29.8 mbd

Water level (end of test) 31.3 mbd

Type of test (for example, bailer, step, constant rate)
constant

Pumping rate 5.7 m³/hour or litres/second . Please tick as appropriate.

Recovery to _____ for _____ days, 6 hours, _____ mins

(from end of pumping) 29.8 mbd in _____ days, _____ hours, 6 mins

Date(s) of measurements Pump started 23/08/2014 (DD/MM/YYYY)

Pump stopped 23/08/2014 (DD/MM/YYYY)

Please supply chemical analysis if available. If you have included this please tick this box

D Strata log

Geological classification (BGS only)	Description of strata	Thickness m	Depth (to base of strata) m
	Soft chalk with some flint hard flint and chalk hard chalk	42 12 6	42 54 60
(continue on separate page if necessary)			
Other comments (for example, gas encountered, saline water intercepted)			

E Completing this form

How long did it take you to fill in this form? _____

For Official use only

Date received (DD/MM/YYYY)

File

Consent number

BGS reference number

Accession number

Wellmaster number

SOBI number

NGR

LIC NO

Purpose

EA reference number

Copy number


Entered by

Appendix G Risk estimation tables

Receptor	Receptor Sensitivity ('0' if not present)	Pathway	Present (Y=1, N=0)	EPH & Solvents	PAHs	Inorganics and Metals	Asbestos	Biocides	Permanent Gases	Consequence	Probability/Likelihood	Estimated Risk
Human Health - On-Site Current Users	4	Ingestion of fruit or vegetable leaf or roots	0	✓	✓	✓	x	✓	x	N/A	N/A	N/A
		Ingestion of contaminated drinking water	0	✓	✓	x	x	✓	x	N/A	N/A	N/A
		Ingestion of water / sediments when swimming	1	✓	✓	✓	✓	✓	x	Minor	Unlikely	Very Low
		Ingestion of soil/dust indoors	0	✓	✓	✓	✓	✓	x	N/A	N/A	N/A
		Ingestion of soil/dust outdoors	1	✓	✓	✓	✓	✓	x	Minor	Unlikely	Very Low
		Inhalation of particles (dust / soil) indoor and outdoor	1	✓	✓	✓	✓	✓	x	Minor	Unlikely	Very Low
		Inhalation of vapours/gases – outdoor	1	✓	x	x	x	x	✓	Minor	Unlikely	Very Low
		Inhalation of vapours/gases - indoor	0	✓	x	x	x	x	✓	N/A	N/A	N/A
		Dermal absorption via direct contact with soil	1	✓	✓	✓	✓	✓	x	Minor	Unlikely	Very Low
Dermal absorption via waters (swimming / showering)	1	✓	✓	✓	✓	✓	x	Minor	Unlikely	Very Low		
Human Health On-Site Future User	4	Ingestion of fruit or vegetable leaf or roots	0	✓	✓	✓	x	✓	x	N/A	N/A	N/A
		Ingestion of contaminated drinking water	0	✓	✓	x	x	✓	x	N/A	N/A	N/A
		Ingestion of water / sediments when swimming	1	✓	✓	x	x	✓	x	Minor	Unlikely	Very Low
		Ingestion of soil/dust indoors	0	✓	✓	✓	✓	✓	x	N/A	N/A	N/A
		Ingestion of soil/dust outdoors	1	✓	✓	✓	✓	✓	x	Minor	Unlikely	Very Low
		Inhalation of particles (dust / soil) indoor and outdoor	1	✓	✓	✓	✓	✓	x	Minor	Unlikely	Very Low
		Inhalation of vapours – outdoor	1	✓	x	x	x	x	✓	Minor	Unlikely	Very Low
		Inhalation of vapours - indoor	0	✓	x	x	x	x	✓	N/A	N/A	N/A
		Dermal absorption via direct contact with soil	1	✓	✓	✓	✓	✓	x	Minor	Unlikely	Very Low
Dermal absorption via waters (swimming / showering)	1	✓	✓	✓	✓	✓	x	Minor	Unlikely	Very Low		
Human Health - Neighbours	5	Ingestion of fruit or vegetable leaf or roots	0	✓	✓	✓	x	✓	x	N/A	N/A	N/A
		Ingestion of contaminated drinking water	0	✓	✓	x	x	✓	x	N/A	N/A	N/A
		Ingestion of water / sediments when swimming	0	✓	✓	x	x	✓	x	N/A	N/A	N/A
		Ingestion of soil/dust indoors	1	✓	✓	✓	✓	✓	x	Mild	Unlikely	Very Low
		Ingestion of soil/dust outdoors	1	✓	✓	✓	✓	✓	x	Mild	Unlikely	Very Low
		Inhalation of particles (dust / soil) indoor and outdoor	1	✓	✓	✓	✓	✓	x	Mild	Unlikely	Very Low
		Inhalation of vapours – outdoor	1	✓	x	x	x	x	✓	Mild	Unlikely	Very Low
		Inhalation of vapours - indoor	1	✓	x	x	x	x	✓	Mild	Unlikely	Very Low
		Dermal absorption via direct contact with soil	0	✓	✓	✓	✓	✓	x	N/A	N/A	N/A
Dermal absorption via waters (swimming / showering)	0	✓	✓	✓	✓	✓	x	N/A	N/A	N/A		
Human Health - Construction/ Maintenance Workers	4	Ingestion of soil/dust indoors	1	✓	✓	✓	✓	✓	x	Minor	Low	Very Low
		Ingestion of soil/dust outdoors	1	✓	✓	✓	✓	✓	x	Minor	Low	Very Low
		Inhalation of particles (dust / soil) outdoor	1	✓	✓	✓	✓	✓	x	Minor	Low	Very Low
		Inhalation of vapours – outdoor	1	✓	x	x	x	x	✓	Minor	Low	Very Low
		Inhalation of vapours - indoor	1	✓	x	x	x	x	✓	Minor	Low	Very Low
		Dermal absorption via direct contact with soil	1	✓	✓	✓	✓	✓	x	Minor	Low	Very Low
Groundwater (Shallow)	5	Leaching	1	✓	✓	✓	x	✓	x	Mild	Unlikely	Very Low
		Migration via natural or anthropogenic	1	✓	✓	✓	x	✓	x	Mild	Unlikely	Very Low
Groundwater (Deep)	5	Leaching	1	✓	✓	✓	x	✓	x	Mild	Unlikely	Very Low
		Migration via natural or anthropogenic	1	✓	✓	✓	x	✓	x	Mild	Unlikely	Very Low
Surface Water	1	Direct runoff or discharges from pipes	1	✓	✓	✓	✓	✓	x	Minor	Unlikely	Very Low
		Indirect via recharge from groundwater (hydraulic flow)	1	✓	✓	✓	✓	✓	x	Minor	Unlikely	Very Low
		Deposition of wind blown dust	1	✓	✓	✓	✓	✓	x	Minor	Unlikely	Very Low
Property - Buildings	1	Direct contact	1	✓	✓	✓	x	x	x	Minor	Unlikely	Very Low
		Explosion due to gas migration via natural / anthropogenic	1	✓	x	x	x	x	✓	Minor	Unlikely	Very Low
Ecological Systems	1	Direct deposition of particles / dust - wind blown or flood	1	✓	✓	✓	✓	✓	x	Minor	Unlikely	Very Low
		Indirect - through watering	1	✓	✓	✓	x	✓	x	Minor	Unlikely	Very Low
		Inhalation of gases/vapours or particulates/dust by animals	1	✓	✓	✓	✓	✓	✓	Minor	Unlikely	Very Low
		Ingestion of of vegetation / water / soil by animals	1	✓	✓	✓	✓	✓	x	Minor	Unlikely	Very Low
Property - Animal/Crop	1	Direct (including deposition via wind or flood)	1	✓	✓	✓	✓	✓	x	Minor	Unlikely	Very Low
		Indirect (through watering)	1	✓	✓	✓	x	✓	x	Minor	Unlikely	Very Low
		Inhalation of gas / vapour / particulates / dust by animals	1	✓	✓	✓	✓	✓	✓	Minor	Unlikely	Very Low
		Ingestion of vegetation / water / soil by animals	1	✓	✓	✓	✓	✓	x	Minor	Unlikely	Very Low

Risk estimation establishes the magnitude and probability of the possible consequences (what degree of harm might result and how likely). The criteria for classifying probability and consequence are set out in Tables 4 and 5 of the Stantec methodology. Green text highlights one or more elements of the Pollutant Linkage are missing and therefore eliminated


EPH = Extractable hydrocarbons
PAHs = Poly Aromatic Hydrocarbons
Note For Metals there is an Inhalation pathway if Mercury is present
Note for PAHs there are Inhalation and/or Solubility pathways for some eg Naphthalene

	Client	M3 J9 Improvement - Sites underlain by non landfill TABLE SUMMARISING POLLUTANT LINKAGES AND RISK ESTIMATION										Date	16/10/2020		
	Highways England											A3 Scale	NTS		
Caversham Bridge House, Waterman Place, Reading, RG1 8DN Tel 0118 950 0761 Fax 0118 959 7499		HAZARD CLASSIFICATION	1	THE POTENTIAL CONTAMINANTS OF CONCERN ARE :- Agrichemicals, discreet leaks spills from plant and machinery										Drawn By	MRG
														Checked By	VKR

Receptor	Receptor Sensitivity ('0' if not present)	Pathway	Present (Y=1, N=0)	EPH & Solvents	PAHs	Inorganics and Metals	Asbestos	Biocides	Permanent Gases	Consequence	Probability/Likelihood	Estimated Risk
Human Health - On-Site Current Users	4	Ingestion of fruit or vegetable leaf or roots	0	✓	✓	✓	x	✓	x	N/A	N/A	N/A
		Ingestion of contaminated drinking water	0	✓	✓	x	x	✓	x	N/A	N/A	N/A
		Ingestion of water / sediments when swimming	1	✓	✓	✓	✓	✓	x	Mild	Unlikely	Very Low
		Ingestion of soil/dust indoors	0	✓	✓	✓	✓	✓	x	N/A	N/A	N/A
		Ingestion of soil/dust outdoors	1	✓	✓	✓	✓	✓	x	Mild	Unlikely	Very Low
		Inhalation of particles (dust / soil) indoor and outdoor	1	✓	✓	✓	✓	✓	x	Mild	Unlikely	Very Low
		Inhalation of vapours/gases – outdoor	1	✓	x	x	x	x	✓	Mild	Unlikely	Very Low
		Inhalation of vapours/gases - indoor	0	✓	x	x	x	x	✓	N/A	N/A	N/A
		Dermal absorption via direct contact with soil	1	✓	✓	✓	✓	✓	x	Mild	Unlikely	Very Low
Dermal absorption via waters (swimming / showering)	1	✓	✓	✓	✓	✓	x	Mild	Unlikely	Very Low		
Human Health On-Site Future User	4	Ingestion of fruit or vegetable leaf or roots	0	✓	✓	✓	x	✓	x	N/A	N/A	N/A
		Ingestion of contaminated drinking water	0	✓	✓	x	x	✓	x	N/A	N/A	N/A
		Ingestion of water / sediments when swimming	1	✓	✓	x	x	✓	x	Mild	Unlikely	Very Low
		Ingestion of soil/dust indoors	0	✓	✓	✓	✓	✓	x	N/A	N/A	N/A
		Ingestion of soil/dust outdoors	1	✓	✓	✓	✓	✓	x	Mild	Unlikely	Very Low
		Inhalation of particles (dust / soil) indoor and outdoor	1	✓	✓	✓	✓	✓	x	Mild	Unlikely	Very Low
		Inhalation of vapours – outdoor	1	✓	x	x	x	x	✓	Mild	Unlikely	Very Low
		Inhalation of vapours - indoor	0	✓	x	x	x	x	✓	N/A	N/A	N/A
		Dermal absorption via direct contact with soil	1	✓	✓	✓	✓	✓	x	Mild	Unlikely	Very Low
Dermal absorption via waters (swimming / showering)	1	✓	✓	✓	✓	✓	x	Mild	Unlikely	Very Low		
Human Health - Neighbours	5	Ingestion of fruit or vegetable leaf or roots	0	✓	✓	✓	x	✓	x	N/A	N/A	N/A
		Ingestion of contaminated drinking water	0	✓	✓	x	x	✓	x	N/A	N/A	N/A
		Ingestion of water / sediments when swimming	0	✓	✓	x	x	✓	x	N/A	N/A	N/A
		Ingestion of soil/dust indoors	1	✓	✓	✓	✓	✓	x	Medium	Unlikely	Low
		Ingestion of soil/dust outdoors	1	✓	✓	✓	✓	✓	x	Medium	Unlikely	Low
		Inhalation of particles (dust / soil) indoor and outdoor	1	✓	✓	✓	✓	✓	x	Medium	Unlikely	Low
		Inhalation of vapours – outdoor	1	✓	x	x	x	x	✓	Medium	Unlikely	Low
		Inhalation of vapours - indoor	1	✓	x	x	x	x	✓	Medium	Unlikely	Low
		Dermal absorption via direct contact with soil	0	✓	✓	✓	✓	✓	x	N/A	N/A	N/A
Dermal absorption via waters (swimming / showering)	0	✓	✓	✓	✓	✓	x	N/A	N/A	N/A		
Human Health - Construction/Maintenance Workers	4	Ingestion of soil/dust indoors	1	✓	✓	✓	✓	✓	x	Mild	Low	Low
		Ingestion of soil/dust outdoors	1	✓	✓	✓	✓	✓	x	Mild	Low	Low
		Inhalation of particles (dust / soil) outdoor	1	✓	✓	✓	✓	✓	x	Mild	Low	Low
		Inhalation of vapours – outdoor	1	✓	x	x	x	x	✓	Mild	Low	Low
		Inhalation of vapours - indoor	1	✓	x	x	x	x	✓	Mild	Low	Low
		Dermal absorption via direct contact with soil	1	✓	✓	✓	✓	✓	x	Mild	Low	Low
Groundwater (Shallow)	4	Leaching	1	✓	✓	✓	x	✓	x	Mild	Likely	Moderate
		Migration via natural or anthropogenic	1	✓	✓	✓	x	✓	x	Mild	Likely	Moderate
Groundwater (Deep)	4	Leaching	1	✓	✓	✓	x	✓	x	Mild	Likely	Moderate
		Migration via natural or anthropogenic	1	✓	✓	✓	x	✓	x	Mild	Likely	Moderate
Surface Water	4	Direct runoff or discharges from pipes	1	✓	✓	✓	✓	✓	x	Mild	Likely	Moderate
		Indirect via recharge from groundwater (hydraulic flow)	1	✓	✓	✓	✓	✓	x	Mild	Likely	Moderate
		Deposition of wind blown dust	1	✓	✓	✓	✓	✓	x	Mild	Likely	Moderate
Property - Buildings	1	Direct contact	1	✓	✓	✓	x	x	x	Minor	Unlikely	Very Low
		Explosion due to gas migration via natural / anthropogenic	1	✓	x	x	x	x	✓	Minor	Unlikely	Very Low
Ecological Systems	4	Direct deposition of particles / dust - wind blown or flood	1	✓	✓	✓	✓	✓	x	Mild	Unlikely	Very Low
		Indirect - through watering	1	✓	✓	✓	x	✓	x	Mild	Unlikely	Very Low
		Inhalation of gases/vapours or particulates/dust by animals	1	✓	✓	✓	✓	✓	✓	Mild	Unlikely	Very Low
		Ingestion of of vegetation / water / soil by animals	1	✓	✓	✓	✓	✓	x	Mild	Unlikely	Very Low
Property - Animal/Crop	1	Direct (including deposition via wind or flood)	1	✓	✓	✓	✓	✓	x	Minor	Unlikely	Very Low
		Indirect (through watering)	1	✓	✓	✓	x	✓	x	Minor	Unlikely	Very Low
		Inhalation of gas / vapour / particulates / dust by animals	1	✓	✓	✓	✓	✓	✓	Minor	Unlikely	Very Low
		Ingestion of vegetation / water / soil by animals	1	✓	✓	✓	✓	✓	x	Minor	Unlikely	Very Low

Risk estimation establishes the magnitude and probability of the possible consequences (what degree of harm might result and how likely). The criteria for classifying probability and consequence are set out in Tables 4 and 5 of the Stantec methodology. Green text highlights one or more elements of the Pollutant Linkage are missing and therefore eliminated

EPH = Extractable hydrocarbons
PAHs = Poly Aromatic Hydrocarbons
Note For Metals there is an Inhalation pathway if Mercury is present
Note for PAHs there are Inhalation and/or Solubility pathways for some
eg Naphthalene

	Client	M3 J9 Improvement - Sites underlain by Landfill TABLE SUMMARISING POLLUTANT LINKAGES AND RISK ESTIMATION		Date	16/10/2020
	Highways England			A3 Scale	NTS
Caversham Bridge House, Waterman Place, Reading, RG1 8DN Tel 0118 950 0761 Fax 0118 959 7499		HAZARD CLASSIFICATION	2	THE POTENTIAL CONTAMINANTS OF CONCERN ARE :- Localised general industrial contaminants including toxic metals, hydrocarbons, PAHs and asbestos	
				Drawn By	MRG
				Checked By	PJ