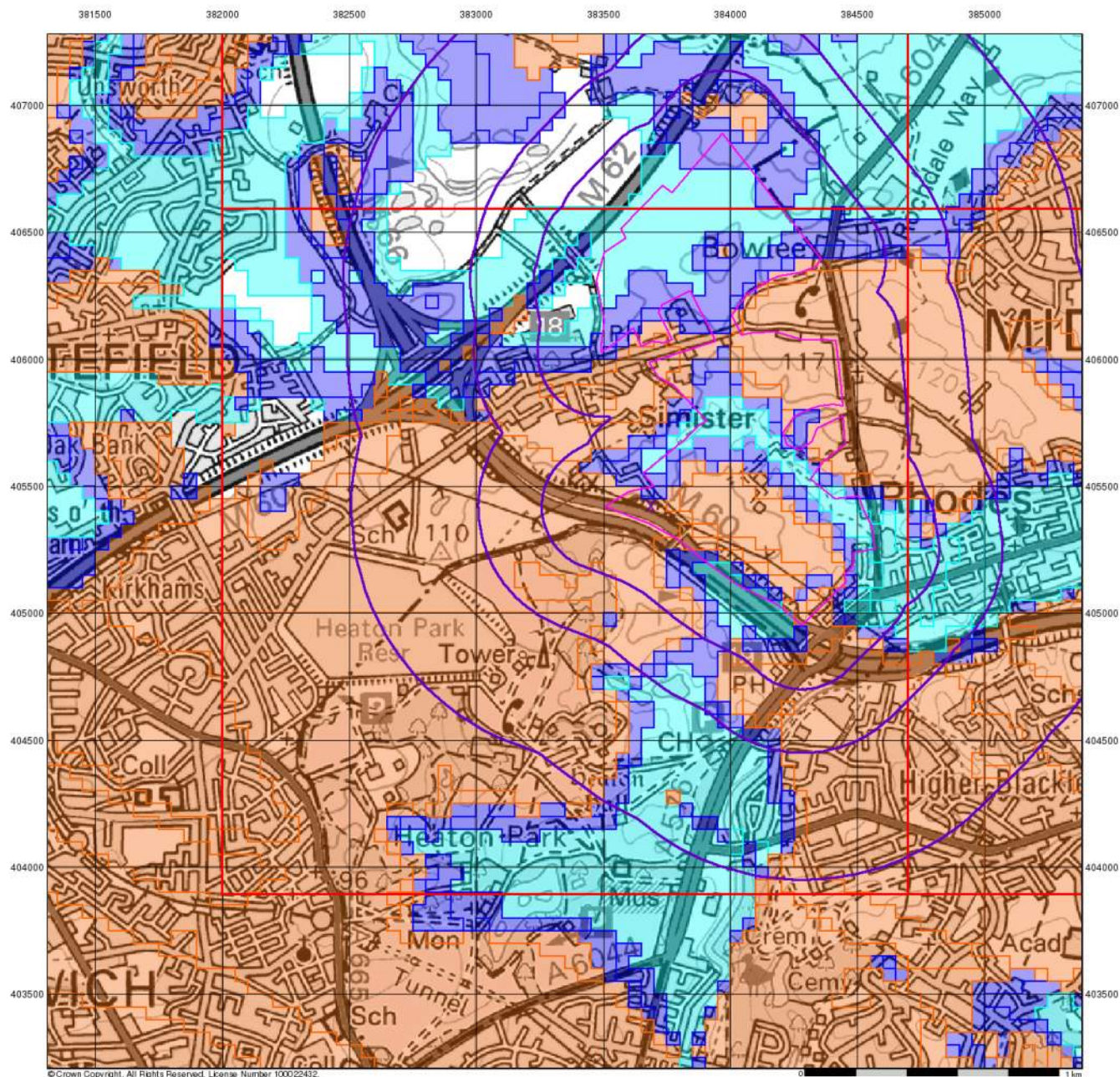




BGS Flood GFS Data

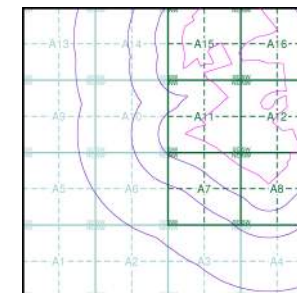
General

- Specified Site
- Specified Buffer(s)
- Bearing Reference Point
- Slice

Agency and Hydrological (Flood)

- Limited Potential for Groundwater Flooding to Occur
- Potential for Groundwater Flooding of Property Situated Below Ground Level
- Potential for Groundwater Flooding to Occur at Surface

Site Sensitivity Context Map - Slice A



Order Details

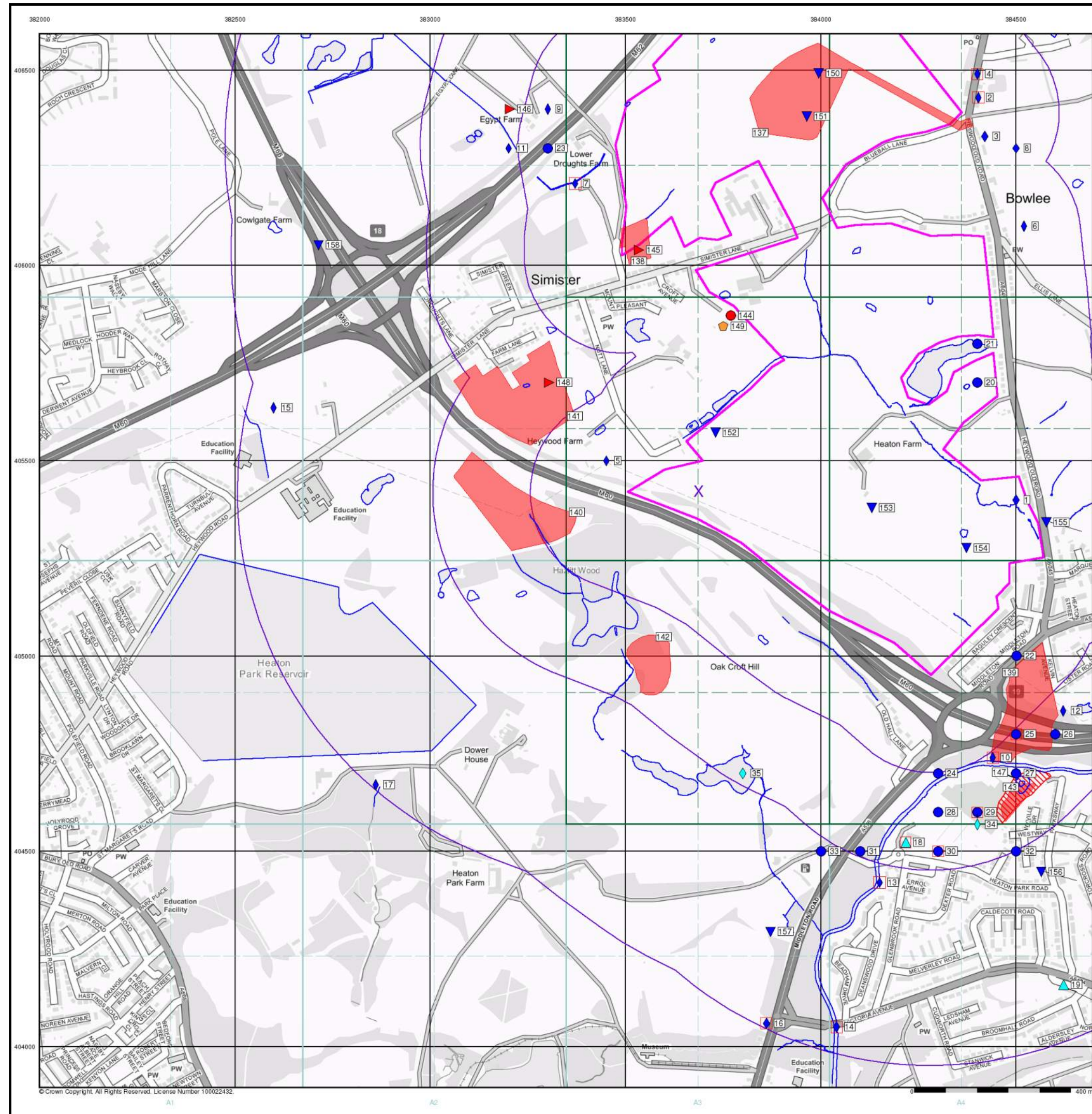
Order Number: 202263147_1_1
 Customer Ref: A104444-1
 National Grid Reference: 383690, 405420
 Slice: A
 Site Area (Ha): 105.63
 Search Buffer (m): 1000

Site Details

82, Baguley Crescent, Middleton, MANCHESTER, M24 4GU

Landmark
 INFORMATION GROUP

Tel: 0844 844 9952
 Fax: 0844 844 9951
 Web: www.envirocheck.co.uk



General

- Specified Site
- Specified Buffer(s)
- Bearing Reference Point
- Map ID
- Several of Types at Location

Agency and Hydrological

- Contaminated Land Register Entry or Notice (Location)
- Contaminated Land Register Entry or Notice
- Discharge Consent
- Enforcement or Prohibition Notice
- Integrated Pollution Control
- Integrated Pollution Prevention Control
- Local Authority Integrated Pollution Prevention and Control
- Local Authority Pollution Prevention and Control
- Local Authority Pollution Prevention and Control Enforcement
- Pollution Incident to Controlled Waters
- Prosecution Relating to Authorised Processes
- Prosecution Relating to Controlled Waters
- Registered Radioactive Substance
- River Network or Water Feature
- River Quality Sampling Point
- Substantiated Pollution Incident Register
- Water Abstraction
- Water Industry Act Referral
- BGS Recorded Mineral Site
- BGS Recorded Landfill Site (Location)
- BGS Recorded Landfill Site
- EA Historic Landfill (Buffered Point)
- EA Historic Landfill (Polygon)
- Integrated Pollution Control Registered Waste Site
- Licensed Waste Management Facility (Landfill Boundary)
- Licensed Waste Management Facility (Location)
- Local Authority Recorded Landfill Site (Location)
- Local Authority Recorded Landfill Site
- Registered Landfill Site
- Prosecution Relating to Authorised Processes
- Registered Landfill Site (Point Buffered to 100m)
- Registered Landfill Site (Point Buffered to 250m)
- Registered Waste Transfer Site (Location)
- Registered Waste Transfer Site
- Registered Waste Treatment or Disposal Site (Location)
- Registered Waste Treatment or Disposal Site

Waste

- BGS Recorded Landfill Site (Location)
- BGS Recorded Landfill Site
- EA Historic Landfill (Buffered Point)
- EA Historic Landfill (Polygon)
- Integrated Pollution Control Registered Waste Site
- Licensed Waste Management Facility (Landfill Boundary)
- Licensed Waste Management Facility (Location)
- Local Authority Recorded Landfill Site (Location)
- Local Authority Recorded Landfill Site
- Registered Landfill Site
- Prosecution Relating to Authorised Processes
- Registered Landfill Site (Point Buffered to 100m)
- Registered Landfill Site (Point Buffered to 250m)
- Registered Waste Transfer Site (Location)
- Registered Waste Transfer Site
- Registered Waste Treatment or Disposal Site (Location)
- Registered Waste Treatment or Disposal Site

Hazardous Substances

- COMAH Site
- Explosive Site
- NIHHS Site
- Planning Hazardous Substance Consent
- Planning Hazardous Substance Enforcement

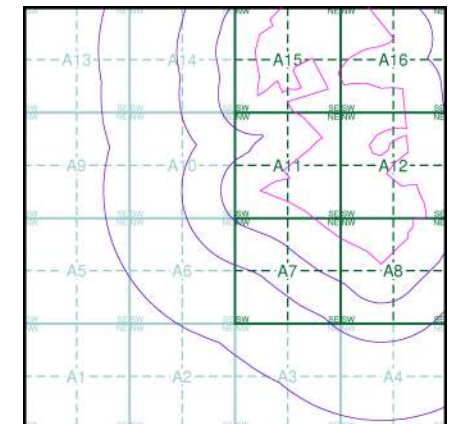
Geological

- BGS Recorded Mineral Site

Industrial Land Use

- Contemporary Trade Directory Entry
- Fuel Station Entry

Site Sensitivity Map - Slice A



Order Details

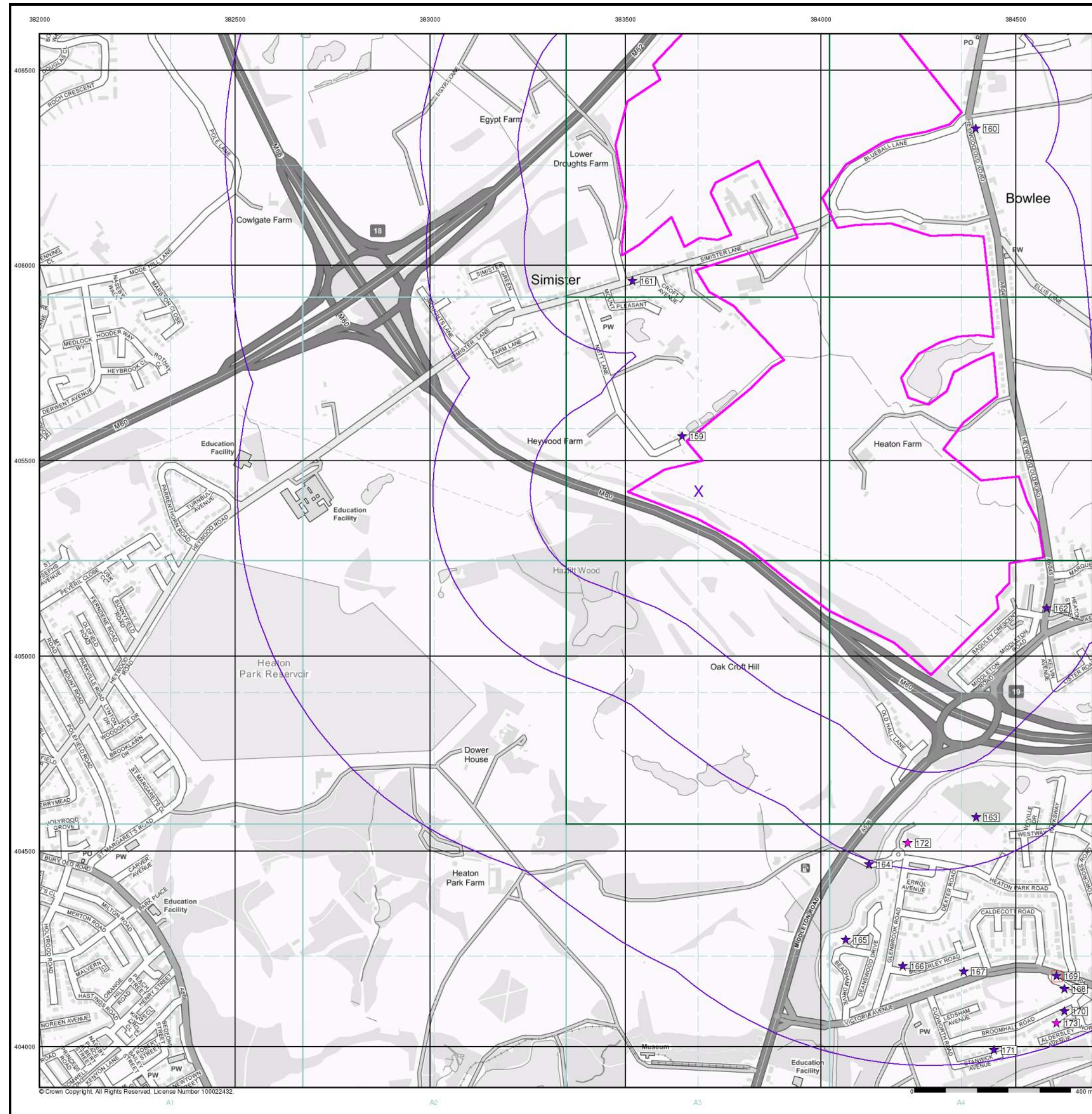
Order Number: 202263147_1_1
Customer Ref: A104444-1
National Grid Reference: 383690, 405420
Slice: A
Site Area (Ha): 105.63
Search Buffer (m): 1000

Site Details

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Landmark
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Industrial Land Use Map

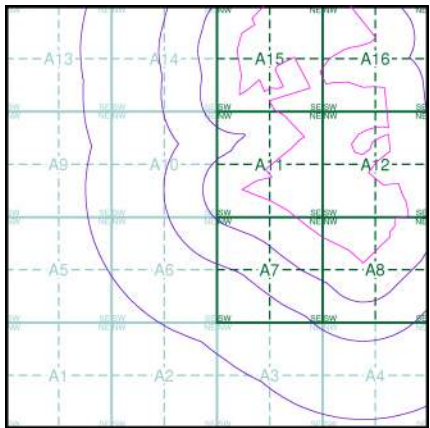
General

- Specified Site
- Specified Buffer(s)
- Bearing Reference Point
- Slice
- Map ID

Industrial Land Use

- Contemporary Trade Directory Entry
- Fuel Station Entry
- Gas Pipeline
- Underground Electrical Cables

Industrial Land Use Map - Slice A



Order Details

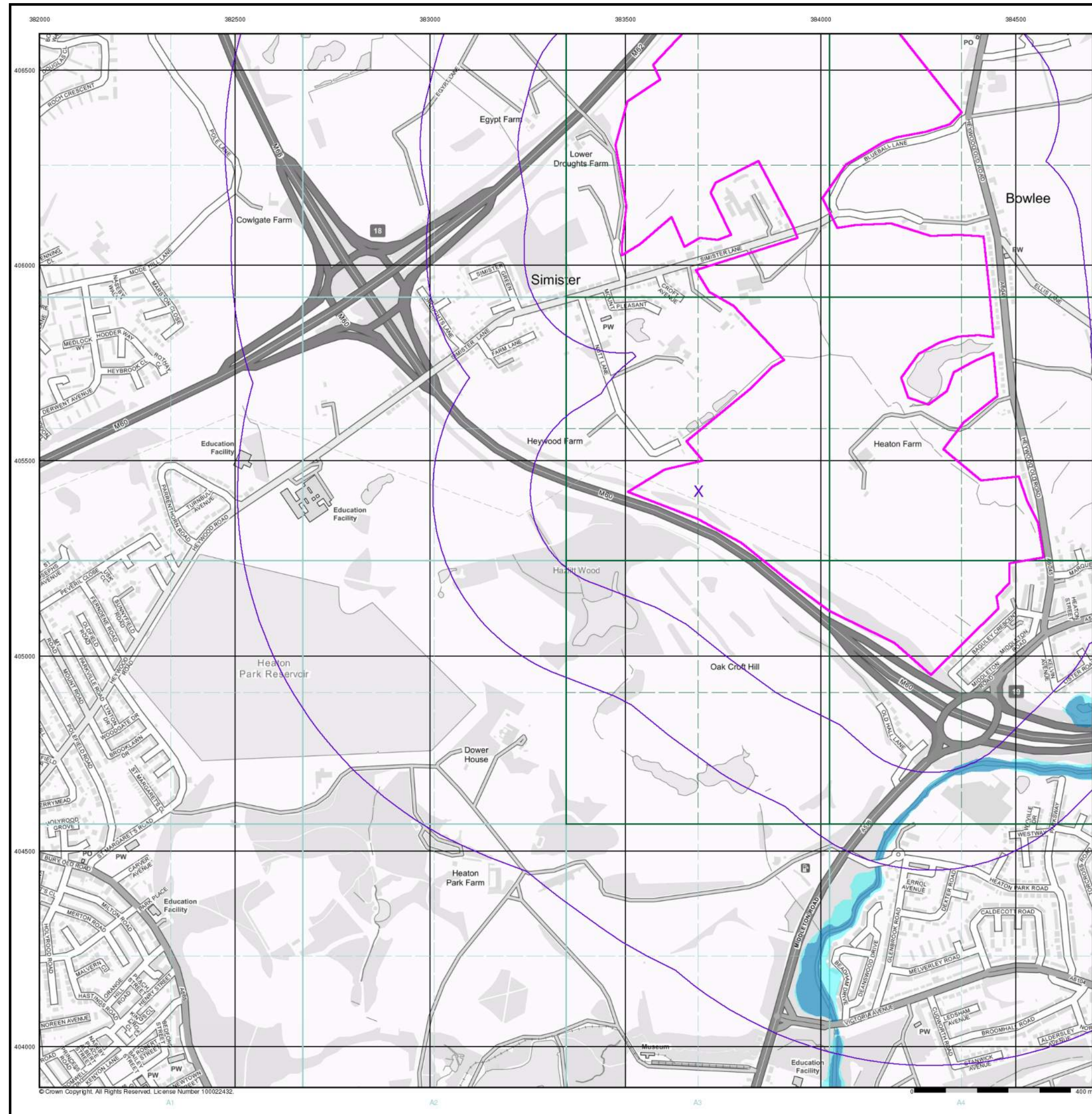
Order Number: 202263147_1_1
Customer Ref: A104444-1
National Grid Reference: 383690, 405420
Slice: A
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Site Details

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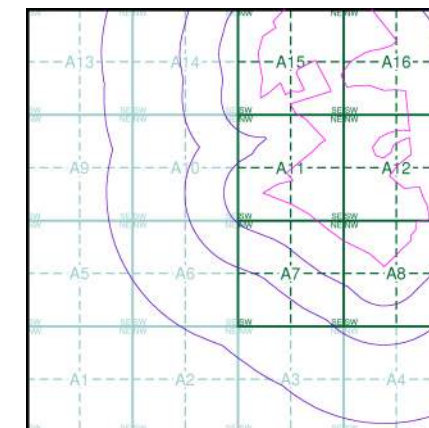
General

- Specified Site
- Specified Buffer(s)
- Bearing Reference Point

Agency and Hydrological (Flood)

- Extreme Flooding from Rivers or Sea without Defences (Zone 2)
- Flooding from Rivers or Sea without Defences (Zone 3)
- Area Benefiting from Flood Defence
- Flood Water Storage Areas
- Flood Defence

Flood Map - Slice A



Order Details

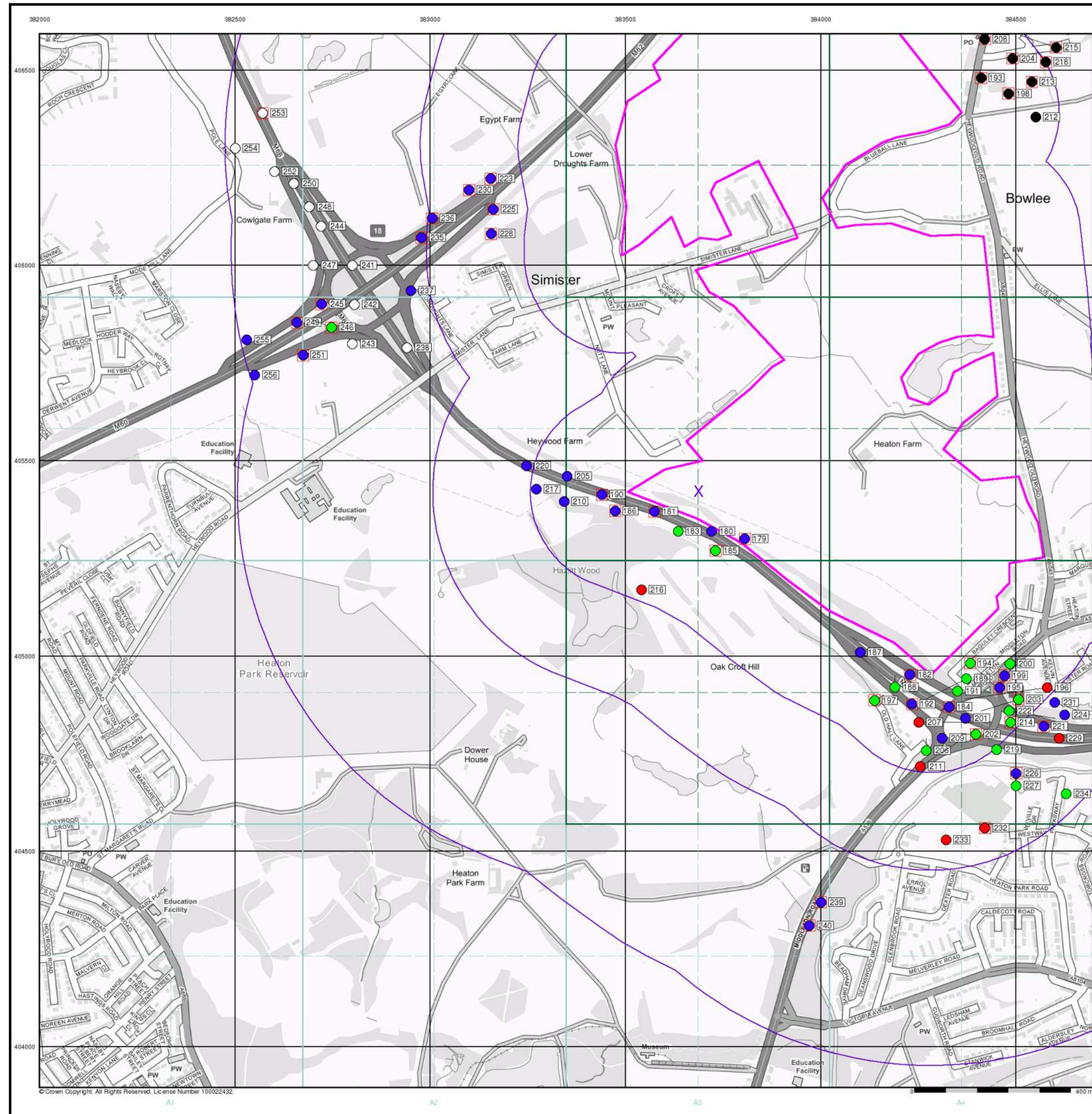
Order Number: 202263147_1_1
 Customer Ref: A104444-1
 National Grid Reference: 383690, 405420
 Slice: A
 Site Area (Ha): 105.63
 Search Buffer (m): 1000

Site Details

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General

- Specified Site
- Specified Buffer(s)
- Bearing Reference Point
- Map ID
- Several of Type at Location

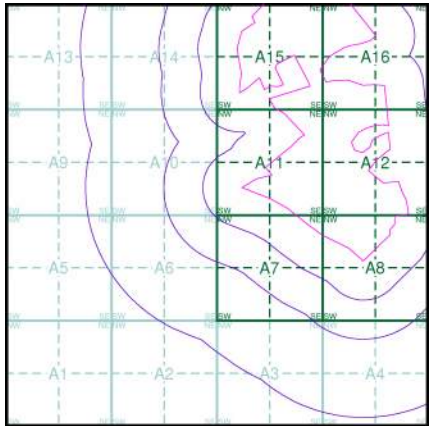
Agency and Hydrological (Boreholes)

- BGS Borehole Depth 0 - 10m
- BGS Borehole Depth 10 - 30m
- BGS Borehole Depth 30m +
- Confidential
- Other

For Borehole information please refer to the Borehole .csv file which accompanied this slice.

A copy of the BGS Borehole Ordering Form is available to download from the Support section of www.envirocheck.co.uk.

Borehole Map - Slice A



Order Details

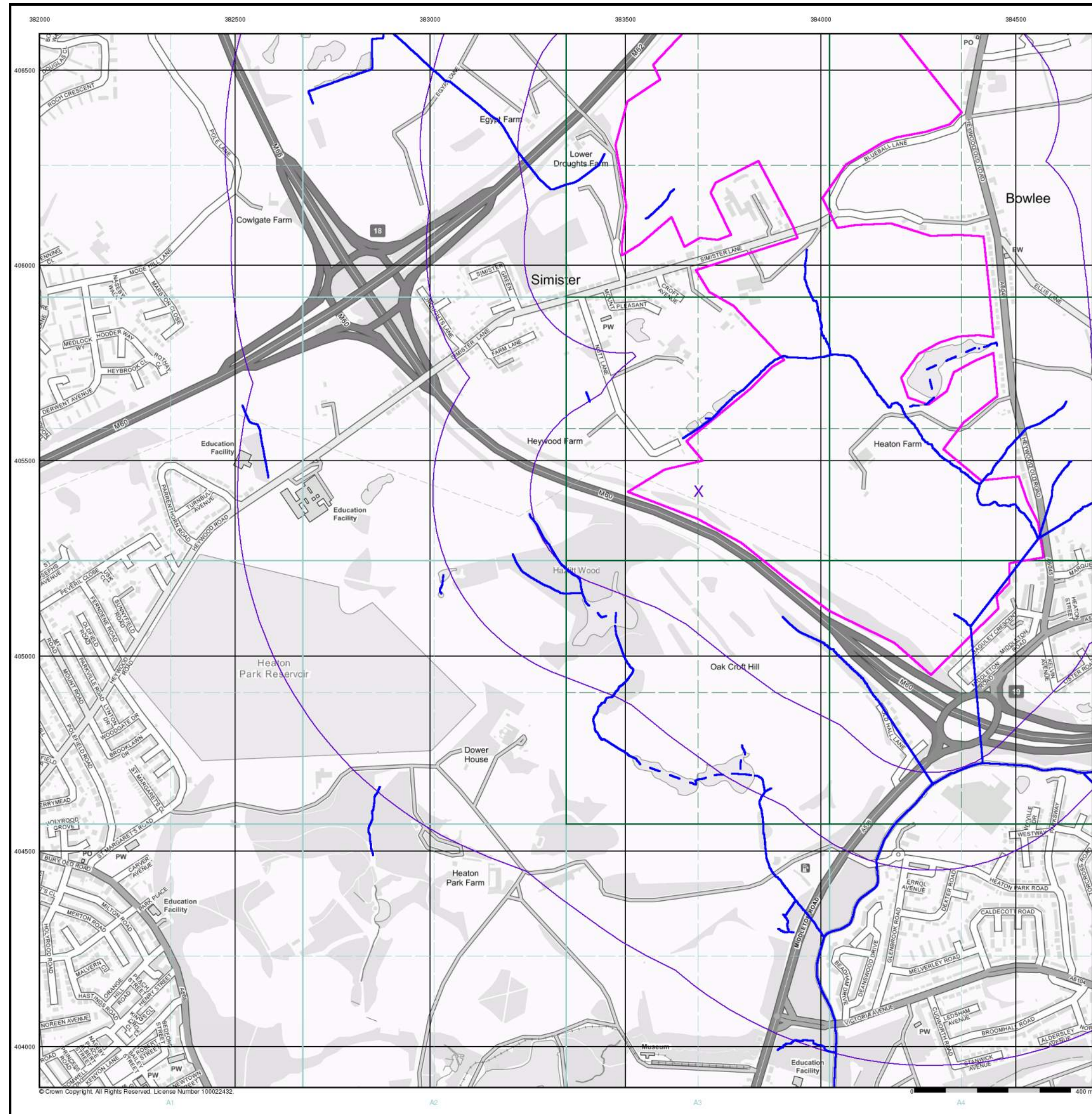
Order Number: 202263147_1_1
Customer Ref: A104444-1
National Grid Reference: 383690, 405420
Slice: A
Site Area (Ha): 105.63
Search Buffer (m): 1000

Site Details

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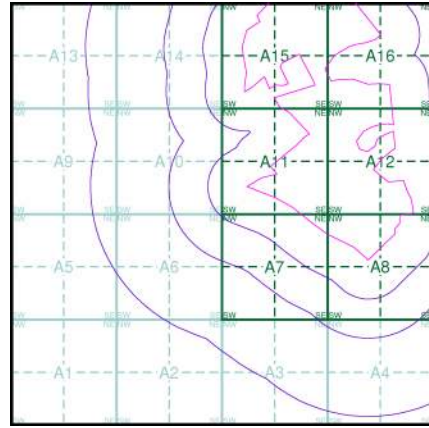
General

- Specified Site
- Specified Buffer(s)
- X Bearing Reference Point

OS Water Network Data

- | | |
|--------------|-------------------------|
| Canal | Drain |
| Reservoir | Other |
| Foreshore | Lake |
| Marsh | Transfer |
| Tidal River | Lock Or Flight Of Locks |
| Inland River | Sea |

OS Water Network Map - Slice A



Order Details

Order Number: 202263147_1_1
Customer Ref: A104444-1
National Grid Reference: 383690, 405420
Slice: A
Site Area (Ha): 105.63
Search Buffer (m): 1000

Site Details

82, Baguley Crescent, Middleton, MANCHESTER, M24 4GU



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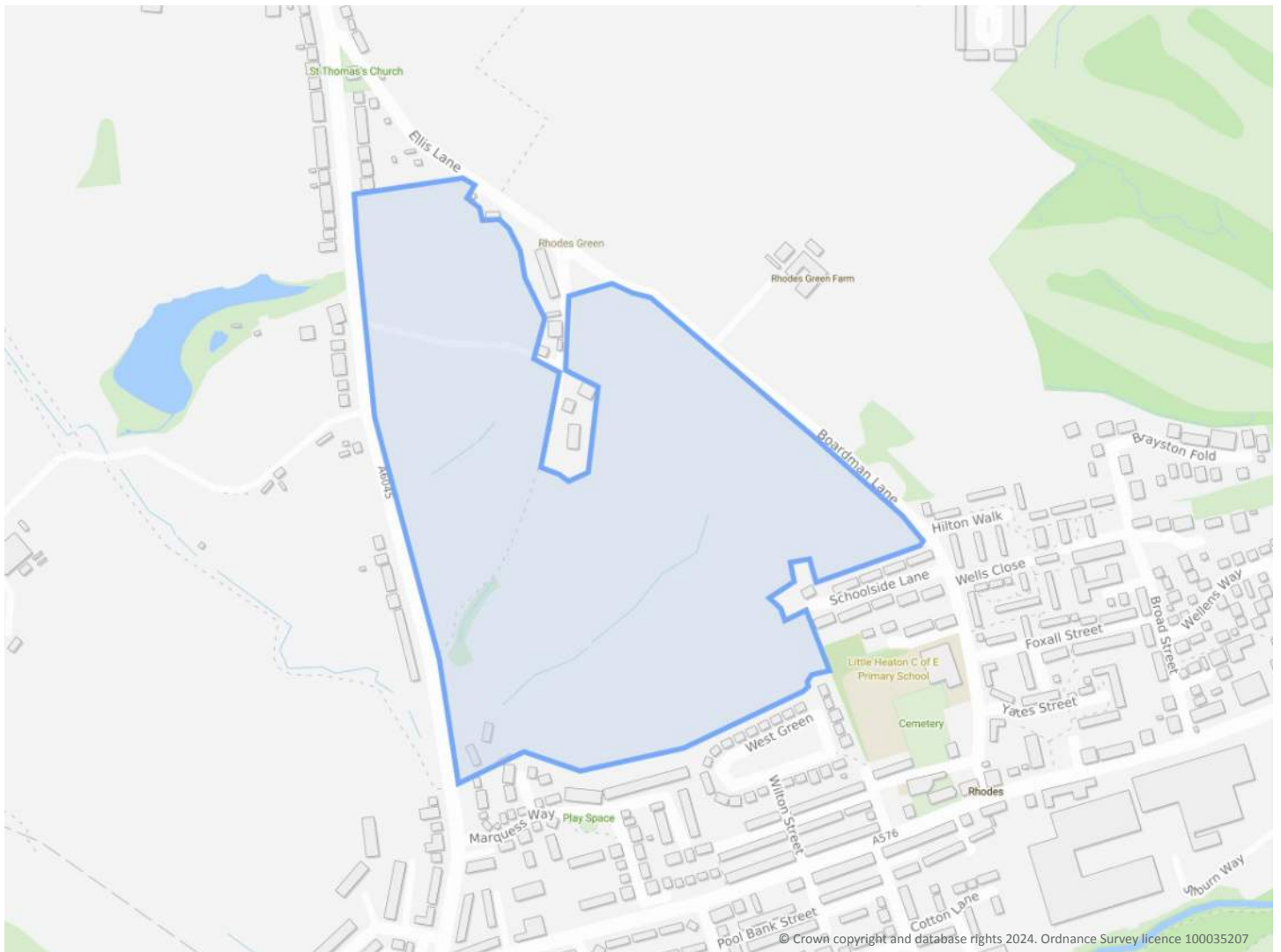
Northern Gateway Eastern Parcel

Order Details

Date: 01/07/2024
Your ref: 784-B048805
Our Ref: GS-UJV-EOF-ETA-HZ1

Site Details

Location: 384731 405565
Area: 21.73 ha
Authority: [Rochdale Metropolitan Borough Council](#)
↗



[Summary of findings](#)

[p. 2 >](#)

[Aerial image](#)

[p. 9 >](#)

[OS MasterMap site plan](#)

N/A: >10ha

[Insight User Guide](#) ↗

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info@groundsure.com ↗

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Summary of findings

Page	Section	Past land use >	On site	0-50m	50-250m	250-500m	500-2000m
13 >	1.1 >	Historical industrial land uses >	12	11	26	103	-
19 >	1.2 >	Historical tanks >	9	4	4	31	-
21 >	1.3 >	Historical energy features >	0	1	14	1	-
22	1.4	Historical petrol stations	0	0	0	0	-
22 >	1.5 >	Historical garages >	0	0	4	0	-
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 >	Historical industrial land uses >	16	15	42	160	-
33 >	2.2 >	Historical tanks >	9	8	6	61	-
36 >	2.3 >	Historical energy features >	0	3	28	4	-
38	2.4	Historical petrol stations	0	0	0	0	-
38 >	2.5 >	Historical garages >	0	0	4	0	-
Page	Section	Waste and landfill >	On site	0-50m	50-250m	250-500m	500-2000m
39	3.1	Active or recent landfill	0	0	0	0	-
39	3.2	Historical landfill (BGS records)	0	0	0	0	-
40	3.3	Historical landfill (LA/mapping records)	0	0	0	0	-
40 >	3.4 >	Historical landfill (EA/NRW records) >	0	0	1	2	-
41 >	3.5 >	Historical waste sites >	0	0	4	0	-
41	3.6	Licensed waste sites	0	0	0	0	-
41 >	3.7 >	Waste exemptions >	9	0	0	13	-
Page	Section	Current industrial land use >	On site	0-50m	50-250m	250-500m	500-2000m
44 >	4.1 >	Recent industrial land uses >	0	0	11	-	-
45 >	4.2 >	Current or recent petrol stations >	0	0	1	0	-
46	4.3	Electricity cables	0	0	0	0	-
46	4.4	Gas pipelines	0	0	0	0	-
46 >	4.5 >	Sites determined as Contaminated Land >	0	0	1	0	-



46	4.6	Control of Major Accident Hazards (COMAH)	0	0	0	0	-
47	4.7	Regulated explosive sites	0	0	0	0	-
47	4.8	Hazardous substance storage/usage	0	0	0	0	-
47	4.9	Historical licensed industrial activities (IPC)	0	0	0	0	-
47	4.10	Licensed industrial activities (Part A(1))	0	0	0	0	-
47 >	4.11 >	Licensed pollutant release (Part A(2)/B) >	0	0	1	1	-
48	4.12	Radioactive Substance Authorisations	0	0	0	0	-
48 >	4.13 >	Licensed Discharges to controlled waters >	0	0	3	8	-
50	4.14	Pollutant release to surface waters (Red List)	0	0	0	0	-
50	4.15	Pollutant release to public sewer	0	0	0	0	-
50	4.16	List 1 Dangerous Substances	0	0	0	0	-
51	4.17	List 2 Dangerous Substances	0	0	0	0	-
51 >	4.18 >	Pollution Incidents (EA/NRW) >	0	0	0	4	-
51	4.19	Pollution inventory substances	0	0	0	0	-
52	4.20	Pollution inventory waste transfers	0	0	0	0	-
52	4.21	Pollution inventory radioactive waste	0	0	0	0	-
Page	Section	Hydrogeology >	On site	0-50m	50-250m	250-500m	500-2000m
53 >	5.1 >	Superficial aquifer >	Identified (within 500m)				
55 >	5.2 >	Bedrock aquifer >	Identified (within 500m)				
57 >	5.3 >	Groundwater vulnerability >	Identified (within 50m)				
58	5.4	Groundwater vulnerability- soluble rock risk	None (within 0m)				
58	5.5	Groundwater vulnerability- local information	None (within 0m)				
60	5.6	Groundwater abstractions	0	0	0	0	0
61 >	5.7 >	Surface water abstractions >	0	0	0	0	5
62	5.8	Potable abstractions	0	0	0	0	0
62	5.9	Source Protection Zones	0	0	0	0	-
63	5.10	Source Protection Zones (confined aquifer)	0	0	0	0	-
Page	Section	Hydrology >	On site	0-50m	50-250m	250-500m	500-2000m
64 >	6.1 >	Water Network (OS MasterMap) >	9	9	11	-	-



67 >	6.2 >	Surface water features >	1	2	6	-	-
67 >	6.3 >	WFD Surface water body catchments >	1	-	-	-	-
68 >	6.4 >	WFD Surface water bodies >	0	0	0	-	-
68 >	6.5 >	WFD Groundwater bodies >	1	-	-	-	-
Page	Section	River and coastal flooding >	On site	0-50m	50-250m	250-500m	500-2000m
69	7.1	Risk of flooding from rivers and the sea	None (within 50m)				
70	7.2	Historical Flood Events	0	0	0	-	-
70	7.3	Flood Defences	0	0	0	-	-
70 >	7.4 >	Areas Benefiting from Flood Defences >	0	0	1	-	-
70	7.5	Flood Storage Areas	0	0	0	-	-
71	7.6	Flood Zone 2	None (within 50m)				
71	7.7	Flood Zone 3	None (within 50m)				
Page	Section	Surface water flooding >					
72 >	8.1 >	Surface water flooding >	1 in 30 year, Greater than 1.0m (within 50m)				
Page	Section	Groundwater flooding >					
74 >	9.1 >	Groundwater flooding >	Moderate (within 50m)				
Page	Section	Environmental designations >	On site	0-50m	50-250m	250-500m	500-2000m
75	10.1	Sites of Special Scientific Interest (SSSI)	0	0	0	0	0
76	10.2	Conserved wetland sites (Ramsar sites)	0	0	0	0	0
76	10.3	Special Areas of Conservation (SAC)	0	0	0	0	0
76	10.4	Special Protection Areas (SPA)	0	0	0	0	0
76	10.5	National Nature Reserves (NNR)	0	0	0	0	0
77 >	10.6 >	Local Nature Reserves (LNR) >	0	0	0	1	2
77	10.7	Designated Ancient Woodland	0	0	0	0	0
77	10.8	Biosphere Reserves	0	0	0	0	0
78	10.9	Forest Parks	0	0	0	0	0
78	10.10	Marine Conservation Zones	0	0	0	0	0
78 >	10.11 >	Green Belt >	0	1	0	1	1
78	10.12	Proposed Ramsar sites	0	0	0	0	0



79	10.13	Possible Special Areas of Conservation (pSAC)	0	0	0	0	0
79	10.14	Potential Special Protection Areas (pSPA)	0	0	0	0	0
79	10.15	Nitrate Sensitive Areas	0	0	0	0	0
79 >	10.16 >	Nitrate Vulnerable Zones >	1	0	1	2	0
81 >	10.17 >	SSSI Impact Risk Zones >	1	-	-	-	-
82	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
83	11.1	World Heritage Sites	0	0	0	-	-
84	11.2	Area of Outstanding Natural Beauty	0	0	0	-	-
84	11.3	National Parks	0	0	0	-	-
84 >	11.4 >	Listed Buildings >	0	0	2	-	-
85	11.5	Conservation Areas	0	0	0	-	-
85	11.6	Scheduled Ancient Monuments	0	0	0	-	-
85	11.7	Registered Parks and Gardens	0	0	0	-	-
Page	Section	Agricultural designations >	On site	0-50m	50-250m	250-500m	500-2000m
86 >	12.1 >	Agricultural Land Classification >	Grade 3 (within 250m)				
87	12.2	Open Access Land	0	0	0	-	-
87	12.3	Tree Felling Licences	0	0	0	-	-
87 >	12.4 >	Environmental Stewardship Schemes >	1	2	0	-	-
88 >	12.5 >	Countryside Stewardship Schemes >	0	3	0	-	-
Page	Section	Habitat designations >	On site	0-50m	50-250m	250-500m	500-2000m
89 >	13.1 >	Priority Habitat Inventory >	0	2	1	-	-
90	13.2	Habitat Networks	0	0	0	-	-
90	13.3	Open Mosaic Habitat	0	0	0	-	-
90	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
91 >	14.1 >	10k Availability >	Identified (within 500m)				
93 >	14.2 >	Artificial and made ground (10k) >	4	1	3	10	-
95 >	14.3 >	Superficial geology (10k) >	4	2	2	10	-



96 >	14.4 >	Landslip (10k) >	0	0	2	2	-
98 >	14.5 >	Bedrock geology (10k) >	2	0	3	6	-
99 >	14.6 >	Bedrock faults and other linear features (10k) >	1	2	3	9	-
Page	Section	Geology 1:50,000 scale >	On site	0-50m	50-250m	250-500m	500-2000m
101 >	15.1 >	50k Availability >	Identified (within 500m)				
102	15.2	Artificial and made ground (50k)	0	0	0	0	-
102	15.3	Artificial ground permeability (50k)	0	0	-	-	-
103 >	15.4 >	Superficial geology (50k) >	3	0	0	4	-
104 >	15.5 >	Superficial permeability (50k) >	Identified (within 50m)				
104 >	15.6 >	Landslip (50k) >	0	0	0	1	-
105	15.7	Landslip permeability (50k)	None (within 50m)				
106 >	15.8 >	Bedrock geology (50k) >	1	0	3	1	-
107 >	15.9 >	Bedrock permeability (50k) >	Identified (within 50m)				
107 >	15.10 >	Bedrock faults and other linear features (50k) >	0	1	1	2	-
Page	Section	Boreholes >	On site	0-50m	50-250m	250-500m	500-2000m
108 >	16.1 >	BGS Boreholes >	0	0	13	-	-
Page	Section	Natural ground subsidence >					
110 >	17.1 >	Shrink swell clays >	Very low (within 50m)				
111 >	17.2 >	Running sands >	Very low (within 50m)				
112 >	17.3 >	Compressible deposits >	Negligible (within 50m)				
113 >	17.4 >	Collapsible deposits >	Very low (within 50m)				
114 >	17.5 >	Landslides >	Low (within 50m)				
116 >	17.6 >	Ground dissolution of soluble rocks >	Negligible (within 50m)				
Page	Section	Mining and ground workings >	On site	0-50m	50-250m	250-500m	500-2000m
118 >	18.1 >	BritPits >	1	0	2	2	-
119 >	18.2 >	Surface ground workings >	10	29	58	-	-
123	18.3	Underground workings	0	0	0	0	0
123	18.4	Underground mining extents	0	0	0	0	-
124 >	18.5 >	Historical Mineral Planning Areas >	0	0	1	0	-



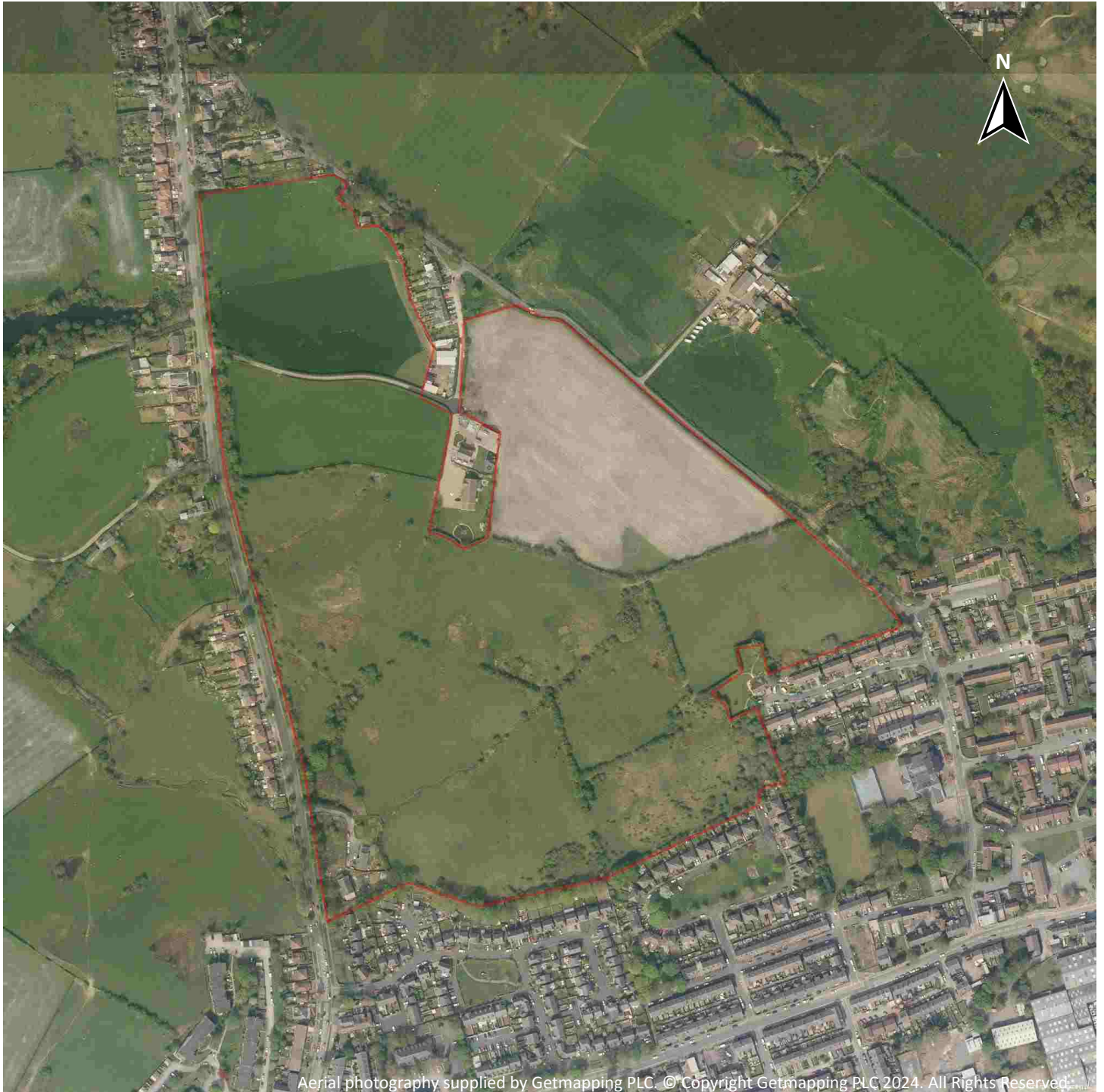
124	18.6	Non-coal mining	0	0	0	0	0
124	18.7	JPB mining areas	None (within 0m)				
124	18.8	The Coal Authority non-coal mining	0	0	0	0	-
125 >	18.9 >	Researched mining >	0	0	0	1	-
125	18.10	Mining record office plans	0	0	0	0	-
125	18.11	BGS mine plans	0	0	0	0	-
125 >	18.12 >	Coal mining >	Identified (within 0m)				
126	18.13	Brine areas	None (within 0m)				
126	18.14	Gypsum areas	None (within 0m)				
126	18.15	Tin mining	None (within 0m)				
126	18.16	Clay mining	None (within 0m)				
Page	Section	Ground cavities and sinkholes	On site	0-50m	50-250m	250-500m	500-2000m
127	19.1	Natural cavities	0	0	0	0	-
127	19.2	Mining cavities	0	0	0	0	0
127	19.3	Reported recent incidents	0	0	0	0	-
127	19.4	Historical incidents	0	0	0	0	-
128	19.5	National karst database	0	0	0	0	-
Page	Section	Radon >					
129 >	20.1 >	Radon >	Between 10% and 30% (within 0m)				
Page	Section	Soil chemistry >	On site	0-50m	50-250m	250-500m	500-2000m
131 >	21.1 >	BGS Estimated Background Soil Chemistry >	8	3	-	-	-
132	21.2	BGS Estimated Urban Soil Chemistry	0	0	-	-	-
132	21.3	BGS Measured Urban Soil Chemistry	0	0	-	-	-
Page	Section	Railway infrastructure and projects >	On site	0-50m	50-250m	250-500m	500-2000m
133	22.1	Underground railways (London)	0	0	0	-	-
133	22.2	Underground railways (Non-London)	0	0	0	-	-
134	22.3	Railway tunnels	0	0	0	-	-
134 >	22.4 >	Historical railway and tunnel features >	0	1	0	-	-
134	22.5	Royal Mail tunnels	0	0	0	-	-



134	22.6	Historical railways	0	0	0	-	-
135	22.7	Railways	0	0	0	-	-
135	22.8	Crossrail 1	0	0	0	0	-
135	22.9	Crossrail 2	0	0	0	0	-
135	22.10	HS2	0	0	0	0	-



Recent aerial photograph



Capture Date: 22/04/2019

Site Area: 21.73ha



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Date: 1 July 2024

Recent site history - 2015 aerial photograph



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Capture Date: 11/06/2015

Site Area: 21.73ha



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Date: 1 July 2024

Recent site history - 2011 aerial photograph



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Capture Date: 01/05/2011

Site Area: 21.73ha



Contact us with any questions at:

info@groundsure.com

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Date: 1 July 2024

Recent site history - 2000 aerial photograph



Capture Date: 27/06/2000

Site Area: 21.73ha



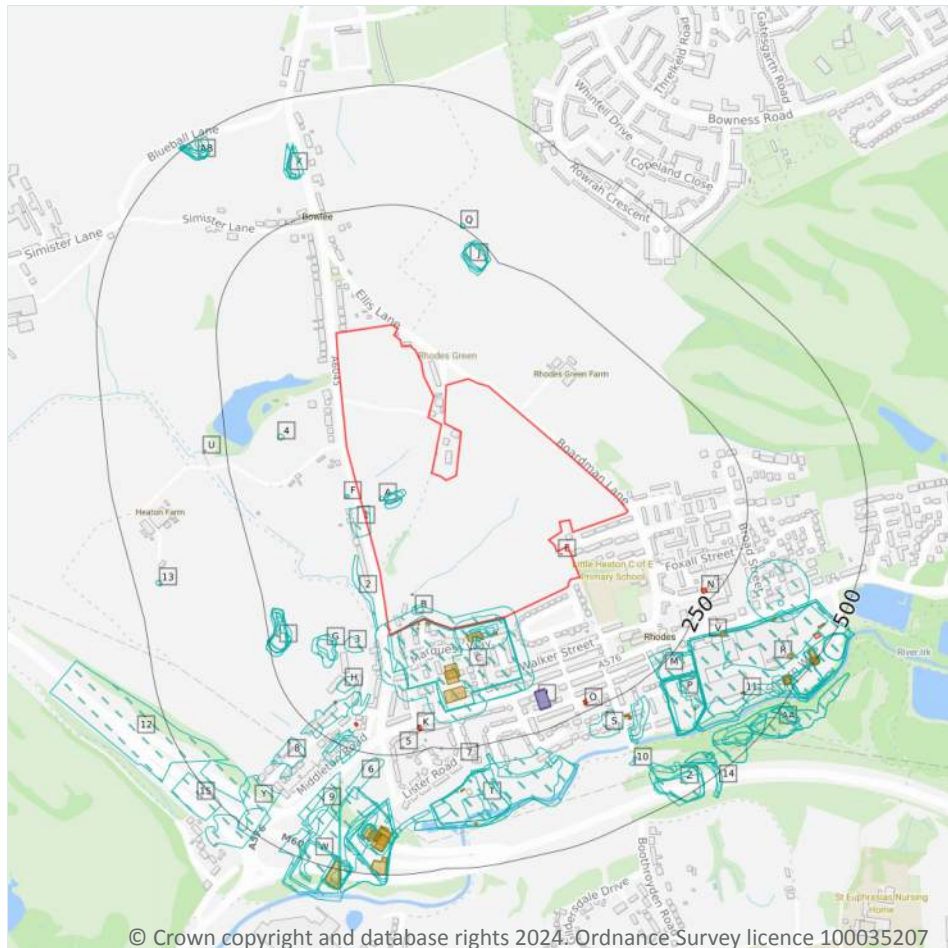
Contact us with any questions at:

info@groundsure.com ↗

01273 257 755

Date: 1 July 2024

1 Past land use



- Site Outline
- Search buffers in metres (m)
- Historical industrial land uses
- Historical tanks
- Historical energy features
- Historical garages

1.1 Historical industrial land uses

Records within 500m

152

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
1	On site	Cuttings	1932	653359



ID	Location	Land use	Dates present	Group ID
A	On site	Sand Pit	1848	674329
A	On site	Old Sand Pit	1891	687345
A	On site	Unspecified Pit	1932	722192
A	On site	Unspecified Pit	1907 - 1923	726915
A	On site	Unspecified Pit	1938 - 1955	750195
B	On site	Sand Pit	1848	674330
C	On site	Unspecified Works	1974 - 1981	713431
C	On site	Bleach and Dye works	1891	781406
C	On site	Unspecified Works	1938	803963
D	On site	Unspecified Works	1965	770532
D	On site	Unspecified Tanks	1938	795253
C	2m S	Bleach and Dye works	1907 - 1932	771548
D	8m S	Unspecified Tanks	1955	792301
D	13m S	Unspecified Tanks	1932	795711
F	21m W	Unspecified Tank	1932	781767
F	21m W	Unspecified Tank	1907 - 1915	805087
2	23m SW	Unspecified Ground Workings	1932	660971
D	25m S	Unspecified Tank	1923	698424
D	28m S	Unspecified Tanks	1932	730346
D	28m S	Unspecified Tank	1907	733341
D	28m S	Unspecified Tanks	1915	794412
D	28m S	Unspecified Tank	1923	799989
3	63m SW	Unspecified Pit	1965 - 1974	749663
G	111m SW	Unspecified Pit	1955	796791
G	112m SW	Unspecified Pit	1965 - 1981	766409
H	114m SW	Unspecified Pit	1955	675618
G	118m SW	Unspecified Pit	1891 - 1938	804740
4	128m W	Unspecified Tank	1891	698423



ID	Location	Land use	Dates present	Group ID
H	131m SW	Refuse Heap	1965	656880
J	193m N	Old Sand Pit	1891	687320
J	198m N	Unspecified Pit	1907	767543
J	198m N	Unspecified Pit	1923	787277
L	201m SW	Unspecified Pit	1955	740560
J	202m N	Unspecified Pit	1974 - 1981	715391
J	206m N	Unspecified Pit	1955 - 1965	803537
L	206m SW	Unspecified Pit	1965 - 1981	764108
L	211m SW	Unspecified Pit	1907 - 1923	718881
L	211m SW	Unspecified Pit	1932	740127
L	211m SW	Unspecified Pit	1938	774420
H	213m SW	Refuse Heap	1955	805802
L	215m SW	Old Sand Pit	1891	687316
M	220m SE	Unspecified Mill	1891	773440
H	224m SW	Refuse Heap	1932	787794
H	229m SW	Refuse Heap	1932 - 1938	734407
P	240m SE	Unspecified Mills	1915	755130
M	241m SE	Unspecified Mill	1932 - 1938	741699
Q	248m N	Unspecified Tank	1932	736583
Q	248m N	Unspecified Tank	1915	757903
6	257m S	Cuttings	1907 - 1923	728320
R	260m SE	Print Works	1891 - 1932	760934
R	260m SE	Print Works	1938	785697
R	263m SE	Unspecified Mills	1975 - 1982	804961
R	265m SE	Print Works	1955 - 1965	716912
S	270m SE	Refuse Heap	1932 - 1938	732862
T	271m S	Disused Bleach Works	1915 - 1923	736013
T	271m S	Bleach Works	1891 - 1907	738626



ID	Location	Land use	Dates present	Group ID
7	271m S	Pump	1848	682701
P	272m SE	Unspecified Mills	1932 - 1938	803357
P	273m SE	Unspecified Mills	1907	720174
S	277m SE	Refuse Heap	1915 - 1923	748566
P	277m SE	Unspecified Mills	1923	754683
P	277m SE	Unspecified Mills	1965 - 1982	714947
P	278m SE	Unspecified Mill	1891	708990
S	279m SE	Unspecified Ground Workings	1907	661641
T	281m S	Bleach Works	1848	764467
R	291m E	Chimney	1982	702029
8	292m SW	Refuse Heap	1956 - 1965	779622
V	297m SE	Pump	1848	682561
T	301m S	Unspecified Commercial/Industrial	1977	670557
T	301m S	Unspecified Works	1985	707978
T	301m S	Unspecified Works	1968	755739
T	304m S	Rubber Works	1932 - 1938	735668
W	304m SW	Unspecified Commercial/Industrial	1938	670258
R	314m SE	Print Works	1848	770004
W	325m S	Sewage Works	1907 - 1915	756067
W	325m S	Sewage Works	1923	789843
X	332m NW	Unspecified Pit	1923 - 1932	767138
X	332m NW	Unspecified Ground Workings	1891	743045
X	334m NW	Unspecified Pit	1938 - 1955	797118
X	334m NW	Unspecified Ground Workings	1907 - 1915	799588
W	340m S	Sewage Works	1956	764323
9	344m SW	Unspecified Pit	1932 - 1938	764430
W	346m S	Sewage Work	1938	668930
W	349m S	Refuse Heap	1956 - 1968	716157



ID	Location	Land use	Dates present	Group ID
T	350m S	Cabinet Works	1956	663573
W	351m S	Sewage Works	1932	723012
P	360m SE	Unspecified Tank	1907 - 1923	769130
R	367m E	Unspecified Tank	1907 - 1932	748320
W	372m S	Unspecified Pit	1977 - 1985	759814
W	373m S	Unspecified Ground Workings	1932	661500
W	375m S	Shed	1848	658371
W	379m S	Unspecified Ground Workings	1956 - 1968	719308
10	380m SE	Gravel Pit	1848	699647
T	392m S	Unspecified Tank	1907 - 1923	737244
W	395m S	Unspecified Tanks	1938	724146
W	398m S	Sewage Tanks	1923	704522
W	398m S	Unspecified Tanks	1932	766386
W	398m S	Unspecified Tanks	1907 - 1915	788712
Y	401m SW	Refuse Heap	1956	656420
Z	407m SE	Unspecified Ground Workings	1966	766071
Z	410m SE	Unspecified Ground Workings	1932	784059
Z	416m SE	Unspecified Disused Pit	1975	704318
12	418m SW	Cuttings	1974 - 1985	765868
AA	430m SE	Unspecified Ground Workings	1965 - 1982	751895
AA	430m SE	Unspecified Ground Workings	1955	760108
Z	437m SE	Sand Pit	1932 - 1938	773485
Z	438m SE	Unspecified Ground Workings	1975	732543
Z	438m SE	Unspecified Ground Workings	1965	753038
Z	438m SE	Unspecified Heap	1955	796584
AA	443m SE	Unspecified Ground Workings	1915	772950
Y	445m SW	Cuttings	1977 - 1985	768007
13	445m W	Gravel Pit	1848	699585



ID	Location	Land use	Dates present	Group ID
Z	446m SE	Unspecified Pit	1956	676281
AA	447m SE	Sand Pit	1932	778383
AA	451m SE	Sand Pit	1938	773244
R	453m SE	Refuse Heap	1891	656502
Z	454m SE	Unspecified Heap	1907 - 1923	707969
AB	456m NW	Unspecified Ground Workings	1955	727993
AB	456m NW	Unspecified Ground Workings	1965 - 1981	772984
AB	457m NW	Unspecified Ground Workings	1932	742033
AB	457m NW	Unspecified Ground Workings	1938	760612
AB	458m NW	Unspecified Ground Workings	1915 - 1923	770765
W	458m SW	Filter Beds	1907 - 1915	765304
W	463m SW	Filter Beds	1923	801307
W	464m S	Unspecified Tanks	1932	666726
AA	469m SE	Sand Pit	1923	738197
AA	469m SE	Sand Pit	1907 - 1915	802257
AA	469m SE	Unspecified Heap	1938	688850
R	471m SE	Unspecified Tanks	1938	756963
AA	472m SE	Unspecified Ground Workings	1932	747550
R	473m SE	Unspecified Tanks	1907	708195
R	473m SE	Unspecified Tanks	1915	756897
W	473m S	Unspecified Tanks	1932 - 1938	723024
W	473m S	Unspecified Tanks	1915	719905
R	476m SE	Unspecified Tanks	1915	720840
W	477m S	Unspecified Tank	1923	697942
R	477m SE	Unspecified Tanks	1923	709699
14	477m SE	Unspecified Ground Workings	1966	800988
R	477m SE	Unspecified Tanks	1923 - 1932	742843
W	478m S	Unspecified Tanks	1938	803390



ID	Location	Land use	Dates present	Group ID
AB	481m NW	Unspecified Tank	1907 - 1923	794077
R	483m SE	Sand Pit	1907	674130
R	483m SE	Refuse Heap	1915 - 1923	758039
W	484m S	Unspecified Tanks	1932	758905
AA	485m SE	Unspecified Ground Workings	1907 - 1915	748848
AA	487m SE	Old Sand Pit	1891	687337
R	489m SE	Refuse Heap	1932	749277
R	491m E	Refuse Heap	1938	791494
R	494m E	Sand Pit	1907	674229
R	494m E	Refuse Heap	1915 - 1932	763838
15	496m SW	Cuttings	1977 - 1985	785802

This data is sourced from Ordnance Survey / Groundsure.

1.2 Historical tanks

Records within 500m	48
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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 13 >](#)

ID	Location	Land use	Dates present	Group ID
B	On site	Unspecified Tank	1969	92276
B	On site	Unspecified Tank	1992	94490
B	On site	Unspecified Tank	1955	98967
B	On site	Unspecified Tank	1970	99886
B	On site	Unspecified Tank	1985	102322
B	On site	Unspecified Tank	1954	104326
E	On site	Unspecified Tank	1954	95574



ID	Location	Land use	Dates present	Group ID
E	On site	Unspecified Tank	1955	99857
E	On site	Unspecified Tank	1969	103130
B	4m S	Unspecified Tank	1954 - 1955	92369
B	5m S	Disused Tank	1954 - 1955	97155
B	12m S	Unspecified Tank	1922 - 1932	97174
D	19m S	Tanks	1922 - 1932	103692
C	72m S	Disused Tanks	1954 - 1955	99777
C	84m S	Tanks	1922	82606
C	122m S	Tanks	1922 - 1932	106885
5	233m S	Unspecified Tank	1922	90317
S	293m SE	Tanks	1977	94208
S	293m SE	Tanks	1985	98377
U	294m W	Unspecified Tank	1954	105094
U	294m W	Unspecified Tank	1955	98580
U	294m W	Unspecified Tank	1969	101283
S	298m SE	Tanks	1968 - 1977	101153
V	315m SE	Unspecified Tank	1985 - 1996	93343
T	334m S	Unspecified Tank	1922 - 1932	99380
P	363m SE	Unspecified Tank	1893	85115
R	377m E	Unspecified Tank	1977	85114
W	398m S	Unspecified Tank	1951	107481
W	401m S	Tanks	1951	96513
W	402m S	Tanks	1951	107594
W	404m S	Tanks	1909 - 1932	99126
T	407m S	Unspecified Tank	1922	90311
W	408m S	Tanks	1909 - 1932	98997
W	410m S	Tanks	1932	99786
W	413m S	Tanks	1909 - 1922	95501



ID	Location	Land use	Dates present	Group ID
11	413m SE	Unspecified Tank	1985 - 1996	101466
W	416m S	Tanks	1909 - 1922	104505
R	449m SE	Unspecified Tank	1985 - 1996	94406
W	463m S	Tanks	1932	82602
R	464m E	Unspecified Tank	1977 - 1985	101392
R	465m E	Unspecified Tank	1909 - 1932	107063
R	470m E	Unspecified Tank	1977 - 1985	92108
R	473m SE	Tanks	1909 - 1922	100922
R	476m SE	Unspecified Tank	1932 - 1955	95390
R	476m SE	Tanks	1922	91762
W	482m S	Tanks	1922 - 1932	105324
R	490m SE	Tanks	1909	103096
R	491m SE	Tanks	1932	93648

This data is sourced from Ordnance Survey / Groundsure.

1.3 Historical energy features

Records within 500m

16

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 13 >](#)

ID	Location	Land use	Dates present	Group ID
D	26m S	Electricity Substation	1970 - 1992	53311
H	178m SW	Electricity Substation	1978 - 1996	50161
H	195m SW	Electricity Substation	1985 - 1999	56136
H	195m SW	Electricity Substation	1970	50987
K	198m S	Electricity Substation	1970 - 1999	58327



ID	Location	Land use	Dates present	Group ID
K	198m S	Electricity Substation	1954 - 1955	56658
N	223m E	Electricity Substation	1985 - 1996	53089
N	223m E	Electricity Substation	1954 - 1955	53873
N	223m E	Electricity Substation	1977	61662
O	228m SE	Electricity Substation	1985	58360
O	228m SE	Electricity Substation	1992 - 1994	58564
O	228m SE	Electricity Substation	1996	59846
O	228m SE	Electricity Substation	1985	56674
O	228m SE	Electricity Substation	1970 - 1977	58026
O	228m SE	Electricity Substation	1999	53084
R	466m E	Electricity Substation	1954 - 1969	50626

This data is sourced from Ordnance Survey / Groundsure.

1.4 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, 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

4

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 13 >](#)



ID	Location	Land use	Dates present	Group ID
I	167m S	Garage	1970	16787
I	169m S	Garage	1985	21279
I	170m S	Garage	1999	20032
I	170m S	Garage	1992	17450

This data is sourced from Ordnance Survey / Groundsure.

1.6 Historical military land

Records within 500m

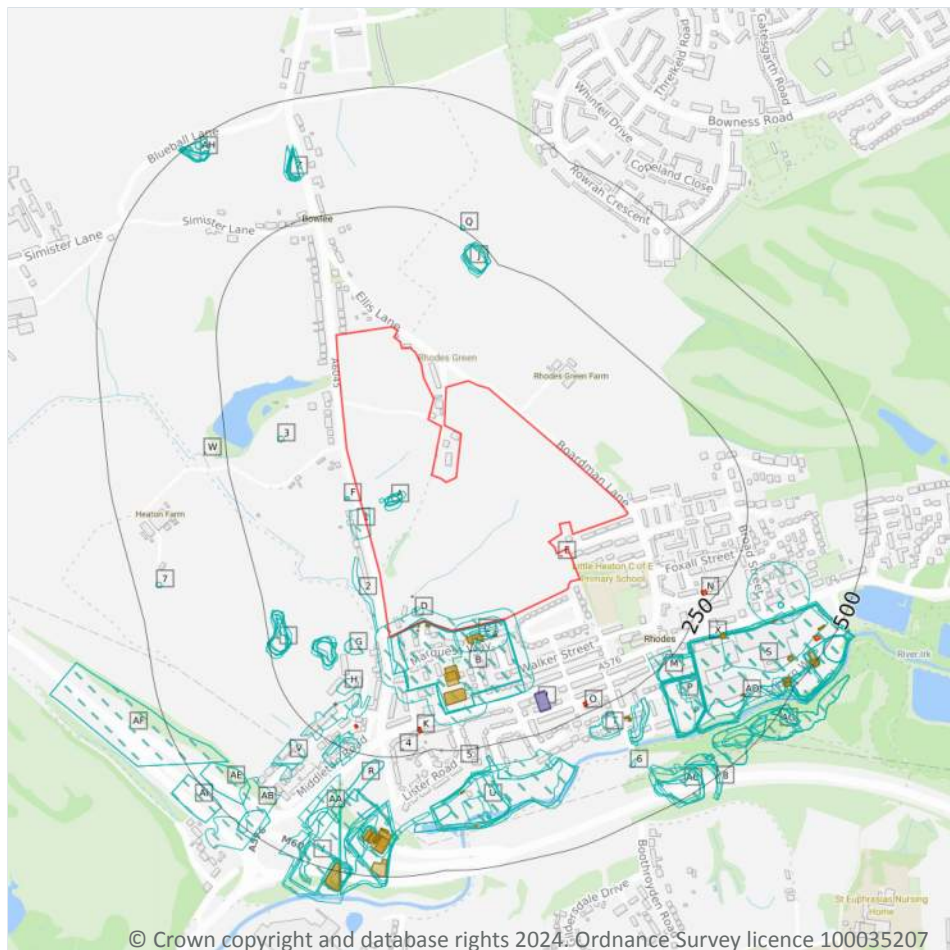
0

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
- Historical garages

2.1 Historical industrial land uses

Records within 500m

233

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 24](#) >

ID	Location	Land Use	Date	Group ID
1	On site	Cuttings	1932	653359
A	On site	Unspecified Pit	1932	722192
A	On site	Unspecified Pit	1915	726915



ID	Location	Land Use	Date	Group ID
A	On site	Unspecified Pit	1907	726915
A	On site	Old Sand Pit	1891	687345
A	On site	Sand Pit	1848	674329
A	On site	Unspecified Pit	1955	750195
A	On site	Unspecified Pit	1938	750195
A	On site	Unspecified Pit	1923	726915
B	On site	Unspecified Works	1981	713431
B	On site	Unspecified Works	1974	713431
B	On site	Unspecified Works	1938	803963
B	On site	Bleach and Dye works	1891	781406
C	On site	Unspecified Tanks	1938	795253
C	On site	Unspecified Works	1965	770532
D	On site	Sand Pit	1848	674330
B	2m S	Bleach and Dye works	1932	771548
B	2m S	Bleach and Dye works	1915	771548
B	2m S	Bleach and Dye works	1907	771548
B	2m S	Bleach and Dye works	1923	771548
C	8m S	Unspecified Tanks	1955	792301
C	13m S	Unspecified Tanks	1932	795711
F	21m W	Unspecified Tank	1932	781767
F	21m W	Unspecified Tank	1915	805087
F	21m W	Unspecified Tank	1907	805087
2	23m SW	Unspecified Ground Workings	1932	660971
C	25m S	Unspecified Tank	1923	698424
C	28m S	Unspecified Tanks	1932	730346
C	28m S	Unspecified Tanks	1915	794412
C	28m S	Unspecified Tank	1907	733341
C	28m S	Unspecified Tank	1923	799989



ID	Location	Land Use	Date	Group ID
G	63m SW	Unspecified Pit	1965	749663
G	81m SW	Unspecified Pit	1974	749663
G	111m SW	Unspecified Pit	1955	796791
G	112m SW	Unspecified Pit	1981	766409
G	112m SW	Unspecified Pit	1974	766409
G	112m SW	Unspecified Pit	1965	766409
H	114m SW	Unspecified Pit	1955	675618
G	118m SW	Unspecified Pit	1915	804740
G	118m SW	Unspecified Pit	1907	804740
G	118m SW	Unspecified Pit	1923	804740
G	119m SW	Unspecified Pit	1932	804740
G	119m SW	Unspecified Pit	1938	804740
G	122m SW	Unspecified Pit	1891	804740
3	128m W	Unspecified Tank	1891	698423
H	131m SW	Refuse Heap	1965	656880
J	193m N	Old Sand Pit	1891	687320
J	198m N	Unspecified Pit	1907	767543
J	198m N	Unspecified Pit	1923	787277
L	201m SW	Unspecified Pit	1955	740560
J	202m N	Unspecified Pit	1981	715391
J	202m N	Unspecified Pit	1974	715391
J	206m N	Unspecified Pit	1965	803537
J	206m N	Unspecified Pit	1955	803537
L	206m SW	Unspecified Pit	1981	764108
L	206m SW	Unspecified Pit	1974	764108
L	206m SW	Unspecified Pit	1965	764108
L	211m SW	Unspecified Pit	1915	718881
L	211m SW	Unspecified Pit	1907	718881



ID	Location	Land Use	Date	Group ID
L	211m SW	Unspecified Pit	1923	718881
L	211m SW	Unspecified Pit	1932	740127
L	211m SW	Unspecified Pit	1938	774420
H	213m SW	Refuse Heap	1955	805802
L	215m SW	Old Sand Pit	1891	687316
M	220m SE	Unspecified Mill	1891	773440
H	224m SW	Refuse Heap	1932	787794
H	229m SW	Refuse Heap	1932	734407
H	229m SW	Refuse Heap	1938	734407
P	240m SE	Unspecified Mills	1915	755130
M	241m SE	Unspecified Mill	1932	741699
M	244m SE	Unspecified Mill	1938	741699
Q	248m N	Unspecified Tank	1932	736583
Q	248m N	Unspecified Tank	1915	757903
R	257m S	Cuttings	1923	728320
R	257m S	Cuttings	1915	728320
R	257m S	Cuttings	1907	728320
S	260m SE	Print Works	1891	760934
S	260m SE	Print Works	1938	785697
S	261m SE	Print Works	1915	760934
S	261m SE	Print Works	1907	760934
S	261m SE	Print Works	1923	760934
S	262m SE	Print Works	1932	760934
S	263m SE	Unspecified Mills	1982	804961
S	265m SE	Unspecified Mills	1975	804961
S	265m SE	Print Works	1965	716912
S	265m SE	Print Works	1955	716912
T	270m SE	Refuse Heap	1938	732862



ID	Location	Land Use	Date	Group ID
U	271m S	Disused Bleach Works	1915	736013
U	271m S	Bleach Works	1907	738626
U	271m S	Disused Bleach Works	1923	736013
5	271m S	Pump	1848	682701
P	272m SE	Unspecified Mills	1938	803357
P	273m SE	Unspecified Mills	1907	720174
T	273m SE	Refuse Heap	1932	732862
P	274m SE	Unspecified Mills	1932	803357
T	277m SE	Refuse Heap	1915	748566
P	277m SE	Unspecified Mills	1923	754683
P	277m SE	Unspecified Mills	1975	714947
P	277m SE	Unspecified Mills	1965	714947
P	277m SE	Unspecified Mills	1982	714947
T	277m SE	Refuse Heap	1923	748566
P	278m SE	Unspecified Mill	1891	708990
T	279m SE	Unspecified Ground Workings	1907	661641
U	281m S	Bleach Works	1848	764467
S	291m E	Chimney	1982	702029
V	292m SW	Refuse Heap	1965	779622
X	297m SE	Pump	1848	682561
U	301m S	Unspecified Works	1985	707978
U	301m S	Unspecified Commercial/Industrial	1977	670557
U	301m S	Unspecified Works	1968	755739
U	301m S	Bleach Works	1891	738626
U	304m S	Rubber Works	1938	735668
Y	304m SW	Unspecified Commercial/Industrial	1938	670258
U	305m S	Rubber Works	1932	735668
S	314m SE	Print Works	1848	770004



ID	Location	Land Use	Date	Group ID
V	324m SW	Refuse Heap	1956	779622
Y	325m S	Sewage Works	1915	756067
Y	325m S	Sewage Works	1907	756067
Y	325m S	Sewage Works	1923	789843
Z	332m NW	Unspecified Pit	1923	767138
Z	332m NW	Unspecified Ground Workings	1891	743045
Z	334m NW	Unspecified Pit	1938	797118
Z	334m NW	Unspecified Ground Workings	1915	799588
Z	334m NW	Unspecified Ground Workings	1907	799588
Z	335m NW	Unspecified Pit	1955	797118
Z	337m NW	Unspecified Pit	1932	767138
Y	340m S	Sewage Works	1956	764323
AA	344m SW	Unspecified Pit	1932	764430
AA	344m SW	Unspecified Pit	1938	764430
Y	346m S	Sewage Work	1938	668930
Y	349m S	Refuse Heap	1968	716157
Y	349m S	Refuse Heap	1956	716157
U	350m S	Cabinet Works	1956	663573
Y	351m S	Sewage Works	1932	723012
P	360m SE	Unspecified Tank	1915	769130
P	360m SE	Unspecified Tank	1907	769130
P	360m SE	Unspecified Tank	1923	769130
S	367m E	Unspecified Tank	1932	748320
S	367m E	Unspecified Tank	1915	748320
S	367m E	Unspecified Tank	1907	748320
S	367m E	Unspecified Tank	1923	748320
Y	372m S	Unspecified Pit	1977	759814
Y	373m S	Unspecified Ground Workings	1932	661500



ID	Location	Land Use	Date	Group ID
Y	375m S	Shed	1848	658371
Y	379m S	Unspecified Ground Workings	1968	719308
Y	379m S	Unspecified Ground Workings	1956	719308
6	380m SE	Gravel Pit	1848	699647
U	392m S	Unspecified Tank	1915	737244
U	392m S	Unspecified Tank	1907	737244
U	392m S	Unspecified Tank	1923	737244
Y	395m S	Unspecified Tanks	1938	724146
Y	398m S	Unspecified Tanks	1932	766386
Y	398m S	Unspecified Tanks	1915	788712
Y	398m S	Unspecified Tanks	1907	788712
Y	398m S	Sewage Tanks	1923	704522
AB	401m SW	Refuse Heap	1956	656420
Y	403m S	Unspecified Pit	1985	759814
AC	407m SE	Unspecified Ground Workings	1966	766071
AC	410m SE	Unspecified Ground Workings	1932	784059
AC	416m SE	Unspecified Disused Pit	1975	704318
AE	418m SW	Cuttings	1985	765868
AE	418m SW	Cuttings	1977	765868
AF	425m SW	Cuttings	1981	765868
AF	425m SW	Cuttings	1974	765868
AG	430m SE	Unspecified Ground Workings	1975	751895
AG	430m SE	Unspecified Ground Workings	1965	751895
AG	430m SE	Unspecified Ground Workings	1955	760108
AG	430m SE	Unspecified Ground Workings	1982	751895
AC	437m SE	Sand Pit	1938	773485
AC	438m SE	Unspecified Ground Workings	1975	732543
AC	438m SE	Unspecified Ground Workings	1965	753038



ID	Location	Land Use	Date	Group ID
AC	438m SE	Unspecified Heap	1955	796584
AC	442m SE	Sand Pit	1932	773485
AG	443m SE	Unspecified Ground Workings	1915	772950
AB	445m SW	Cuttings	1985	768007
AB	445m SW	Cuttings	1977	768007
7	445m W	Gravel Pit	1848	699585
AC	446m SE	Unspecified Pit	1956	676281
AG	447m SE	Sand Pit	1932	778383
AG	451m SE	Sand Pit	1938	773244
S	453m SE	Refuse Heap	1891	656502
AC	454m SE	Unspecified Heap	1915	707969
AC	454m SE	Unspecified Heap	1907	707969
AC	454m SE	Unspecified Heap	1923	707969
AH	456m NW	Unspecified Ground Workings	1981	772984
AH	456m NW	Unspecified Ground Workings	1974	772984
AH	456m NW	Unspecified Ground Workings	1965	772984
AH	456m NW	Unspecified Ground Workings	1955	727993
AH	457m NW	Unspecified Ground Workings	1932	742033
AH	457m NW	Unspecified Ground Workings	1938	760612
AH	458m NW	Unspecified Ground Workings	1915	770765
AH	458m NW	Unspecified Ground Workings	1923	770765
Y	458m SW	Filter Beds	1915	765304
Y	458m SW	Filter Beds	1907	765304
Y	463m SW	Filter Beds	1923	801307
Y	464m S	Unspecified Tanks	1932	666726
AG	469m SE	Sand Pit	1923	738197
AG	469m SE	Sand Pit	1915	802257
AG	469m SE	Sand Pit	1907	802257



ID	Location	Land Use	Date	Group ID
AG	469m SE	Unspecified Heap	1938	688850
S	471m SE	Unspecified Tanks	1938	756963
AG	472m SE	Unspecified Ground Workings	1932	747550
S	473m SE	Unspecified Tanks	1915	756897
S	473m SE	Unspecified Tanks	1907	708195
Y	473m S	Unspecified Tanks	1938	723024
Y	473m S	Unspecified Tanks	1915	719905
S	476m SE	Unspecified Tanks	1915	720840
Y	477m S	Unspecified Tank	1923	697942
S	477m SE	Unspecified Tanks	1923	709699
8	477m SE	Unspecified Ground Workings	1966	800988
S	477m SE	Unspecified Tanks	1932	742843
Y	478m S	Unspecified Tanks	1932	723024
S	478m SE	Unspecified Tanks	1923	742843
Y	478m S	Unspecified Tanks	1938	803390
AH	481m NW	Unspecified Tank	1915	794077
AH	481m NW	Unspecified Tank	1907	794077
AH	481m NW	Unspecified Tank	1923	794077
S	483m SE	Refuse Heap	1915	758039
S	483m SE	Refuse Heap	1923	758039
S	483m SE	Sand Pit	1907	674130
Y	484m S	Unspecified Tanks	1932	758905
Y	484m S	Unspecified Tanks	1915	719905
AG	485m SE	Unspecified Ground Workings	1915	748848
AG	485m SE	Unspecified Ground Workings	1907	748848
AG	487m SE	Old Sand Pit	1891	687337
S	489m SE	Refuse Heap	1932	749277
S	491m E	Refuse Heap	1938	791494



ID	Location	Land Use	Date	Group ID
S	494m E	Refuse Heap	1932	763838
S	494m E	Refuse Heap	1915	763838
S	494m E	Refuse Heap	1923	763838
S	494m E	Sand Pit	1907	674229
AI	496m SW	Cuttings	1985	785802
AI	496m SW	Cuttings	1977	785802

This data is sourced from Ordnance Survey / Groundsure.

2.2 Historical tanks

Records within 500m

84

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
D	On site	Unspecified Tank	1970	99886
D	On site	Unspecified Tank	1954	104326
D	On site	Unspecified Tank	1969	92276
D	On site	Unspecified Tank	1955	98967
D	On site	Unspecified Tank	1985	102322
D	On site	Unspecified Tank	1992	94490
E	On site	Unspecified Tank	1954	95574
E	On site	Unspecified Tank	1969	103130
E	On site	Unspecified Tank	1955	99857
D	4m S	Unspecified Tank	1955	92369
D	4m S	Unspecified Tank	1954	92369
D	5m S	Disused Tank	1954	97155
D	6m S	Disused Tank	1955	97155
D	12m S	Unspecified Tank	1922	97174



ID	Location	Land Use	Date	Group ID
D	12m S	Unspecified Tank	1932	97174
C	19m S	Tanks	1922	103692
C	19m S	Tanks	1932	103692
B	72m S	Disused Tanks	1954	99777
B	72m S	Disused Tanks	1955	99777
B	84m S	Tanks	1922	82606
B	122m S	Tanks	1922	106885
B	122m S	Tanks	1932	106885
4	233m S	Unspecified Tank	1922	90317
T	293m SE	Tanks	1977	94208
T	293m SE	Tanks	1985	98377
T	293m SE	Tanks	1985	98377
W	294m W	Unspecified Tank	1954	105094
W	294m W	Unspecified Tank	1969	101283
W	294m W	Unspecified Tank	1955	98580
T	298m SE	Tanks	1969	101153
T	298m SE	Tanks	1977	101153
T	298m SE	Tanks	1968	101153
X	315m SE	Unspecified Tank	1996	93343
X	315m SE	Unspecified Tank	1994	93343
X	317m SE	Unspecified Tank	1985	93343
X	317m SE	Unspecified Tank	1985	93343
U	334m S	Unspecified Tank	1922	99380
U	334m S	Unspecified Tank	1932	99380
P	363m SE	Unspecified Tank	1893	85115
S	377m E	Unspecified Tank	1977	85114
Y	398m S	Unspecified Tank	1951	107481
Y	398m S	Unspecified Tank	1951	107481



ID	Location	Land Use	Date	Group ID
Y	401m S	Tanks	1951	96513
Y	402m S	Tanks	1951	107594
Y	404m S	Tanks	1909	99126
Y	404m S	Tanks	1922	99126
Y	404m S	Tanks	1932	99126
U	407m S	Unspecified Tank	1922	90311
Y	408m S	Tanks	1909	98997
Y	408m S	Tanks	1922	98997
Y	408m S	Tanks	1932	98997
Y	410m S	Tanks	1932	99786
Y	413m S	Tanks	1909	95501
Y	413m S	Tanks	1922	95501
AD	413m SE	Unspecified Tank	1996	101466
AD	413m SE	Unspecified Tank	1994	101466
AD	414m SE	Unspecified Tank	1985	101466
AD	414m SE	Unspecified Tank	1985	101466
Y	416m S	Tanks	1909	104505
Y	416m S	Tanks	1922	104505
S	449m SE	Unspecified Tank	1996	94406
S	449m SE	Unspecified Tank	1994	94406
S	451m SE	Unspecified Tank	1985	94406
S	451m SE	Unspecified Tank	1985	94406
Y	463m S	Tanks	1932	82602
S	464m E	Unspecified Tank	1985	101392
S	464m E	Unspecified Tank	1985	101392
S	465m E	Unspecified Tank	1909	107063
S	465m E	Unspecified Tank	1922	107063
S	465m E	Unspecified Tank	1932	107063



ID	Location	Land Use	Date	Group ID
S	465m E	Unspecified Tank	1977	101392
S	470m E	Unspecified Tank	1985	92108
S	470m E	Unspecified Tank	1985	92108
S	470m E	Unspecified Tank	1977	92108
S	473m SE	Tanks	1909	100922
S	476m SE	Unspecified Tank	1954	95390
S	476m SE	Tanks	1922	91762
S	476m SE	Unspecified Tank	1955	95390
S	478m SE	Unspecified Tank	1932	95390
S	480m SE	Tanks	1922	100922
Y	482m S	Tanks	1922	105324
Y	482m S	Tanks	1932	105324
S	490m SE	Tanks	1909	103096
S	491m SE	Tanks	1932	93648

This data is sourced from Ordnance Survey / Groundsure.

2.3 Historical energy features

Records within 500m

35

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
C	26m S	Electricity Substation	1970	53311
C	27m S	Electricity Substation	1985	53311
C	27m S	Electricity Substation	1992	53311
H	178m SW	Electricity Substation	1996	50161
H	178m SW	Electricity Substation	1978	50161
H	195m SW	Electricity Substation	1992	56136



ID	Location	Land Use	Date	Group ID
H	195m SW	Electricity Substation	1999	56136
H	195m SW	Electricity Substation	1970	50987
H	196m SW	Electricity Substation	1985	56136
K	198m S	Electricity Substation	1999	58327
K	198m S	Electricity Substation	1992	58327
K	198m S	Electricity Substation	1970	58327
K	198m S	Electricity Substation	1954	56658
K	198m S	Electricity Substation	1985	58327
K	199m S	Electricity Substation	1955	56658
N	223m E	Electricity Substation	1996	53089
N	223m E	Electricity Substation	1994	53089
N	223m E	Electricity Substation	1954	53873
N	223m E	Electricity Substation	1977	61662
N	224m E	Electricity Substation	1985	53089
N	224m E	Electricity Substation	1985	53089
N	225m E	Electricity Substation	1955	53873
O	228m SE	Electricity Substation	1985	58360
O	228m SE	Electricity Substation	1985	58360
O	228m SE	Electricity Substation	1996	59846
O	228m SE	Electricity Substation	1994	58564
O	228m SE	Electricity Substation	1985	56674
O	228m SE	Electricity Substation	1970	58026
O	228m SE	Electricity Substation	1992	58564
O	228m SE	Electricity Substation	1999	53084
O	229m SE	Electricity Substation	1977	58026
S	466m E	Electricity Substation	1954	50626
S	466m E	Electricity Substation	1968	50626
S	467m E	Electricity Substation	1955	50626



ID	Location	Land Use	Date	Group ID
S	467m E	Electricity Substation	1969	50626

This data is sourced from Ordnance Survey / Groundsure.

2.4 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. 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	4
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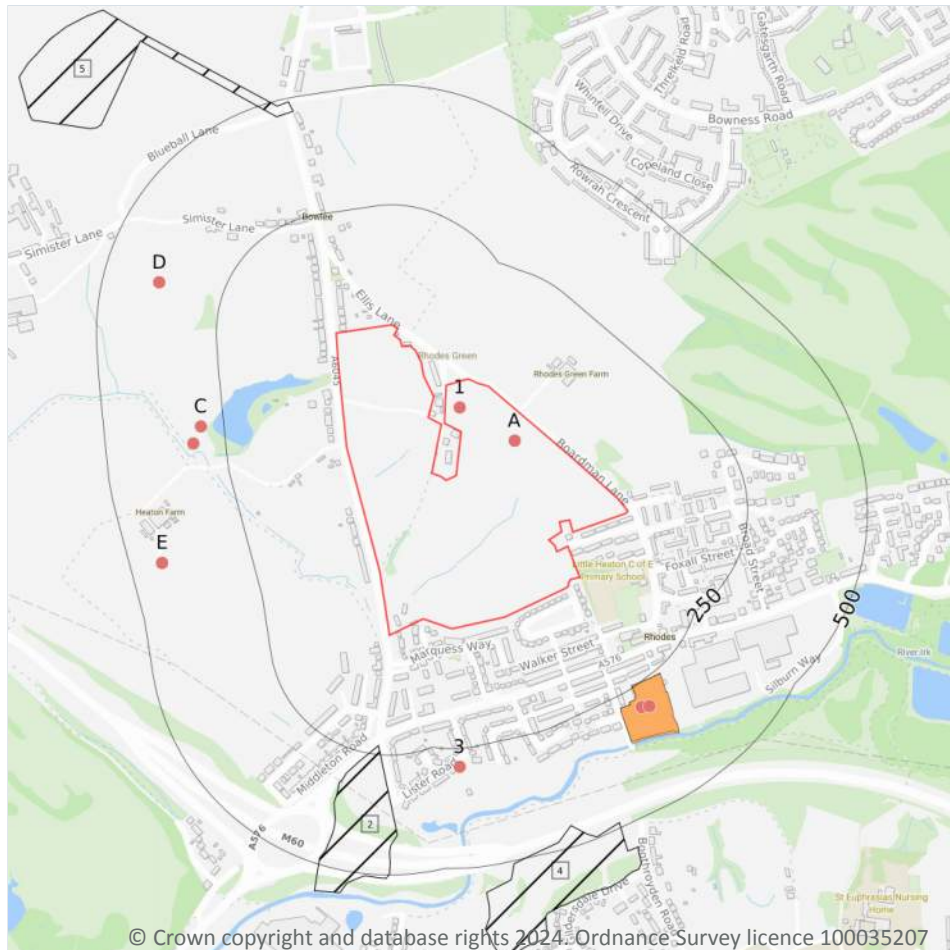
Garages digitised from historical Ordnance Survey mapping at high-detail 1:1,250 and 1:2,500 scale. Any records shown are available intelligently grouped in section 1. Grouped and the original un-grouped features can be cross-referenced across sections 1 and 2 using the 'Group ID'.

Features are displayed on the Past land use - un-grouped map on [page 24 >](#)

ID	Location	Land Use	Date	Group ID
I	167m S	Garage	1970	16787
I	169m S	Garage	1985	21279
I	170m S	Garage	1999	20032
I	170m S	Garage	1992	17450

This data is sourced from Ordnance Survey / Groundsure.

3 Waste and landfill



- Site Outline
- Search buffers in metres (m)
- Historical landfill (EA/NRW)
- Historical 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

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 39 >](#)

ID	Location	Details		
2	231m S	Site Address: Land at Kelvin Avenue, Rochdale, Greater Manchester Licence Holder Address: -	Waste Licence: - Site Reference: RD/LIC/133/77/P2,D065 Waste Type: Household Environmental Permitting Regulations (Waste) Reference: - Licence Issue: - Licence Surrender: -	Operator: - Licence Holder: Heaton Mills Printing Company Limited First Recorded - Last Recorded: -
4	455m S	Site Address: Boothroyd Terrace, Boothroyden Road, Manchester Licence Holder Address: Room D4, Broadway, Broad Street, Birmingham, West Midlands	Waste Licence: Yes Site Reference: - Waste Type: Industrial, Commercial, Household Environmental Permitting Regulations (Waste) Reference: - Licence Issue: 07/04/1995 Licence Surrender: 27/11/2020	Operator: The Director Dept Of Transport North West Construction Programme Division Licence Holder: The Director Dept Of Transport North West Construction Programme Division First Recorded - Last Recorded: -
5	467m NW	Site Address: Bowlee Sand Quarry Bluebell Lane, Bluebell Lane, Bowlee, Bury Licence Holder Address: -	Waste Licence: - Site Reference: RD/LIC/338/84 Waste Type: Inert, Industrial Environmental Permitting Regulations (Waste) Reference: - Licence Issue: - Licence Surrender: -	Operator: - Licence Holder: Terry Adams Limited First Recorded - Last Recorded: -

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



3.5 Historical waste sites

Records within 500m

4

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 39 >](#)

ID	Location	Address	Further Details	Date
B	244m SE	Site Address: N/A	Type of Site: Scrap Metal Yard Planning application reference: N/A Description: N/A Data source: Historic Mapping Data Type: Polygon	1969
B	245m SE	Site Address: N/A	Type of Site: Scrap Metal Yard Planning application reference: N/A Description: N/A Data source: Historic Mapping Data Type: Polygon	1968
B	245m SE	Site Address: N/A	Type of Site: Scrap Metal Yard Planning application reference: N/A Description: N/A Data source: Historic Mapping Data Type: Polygon	1977
B	245m SE	Site Address: N/A	Type of Site: Scrap Metal Yard Planning application reference: N/A Description: N/A Data source: Historic Mapping Data Type: Polygon	1985

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

22

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 39 >](#)



ID	Location	Site	Reference	Category	Sub-Category	Description
1	On site	Heaton Farm Heywood Old Road Manchester M24 4rp	EPR/GE5256R U/A001	Storing waste exemption	Non-agricultural waste only	Storage of sludge
A	On site	-	WEX356542	Storing waste exemption	On a farm	Storage of sludge
A	On site	-	WEX300519	Storing waste exemption	On a farm	Storage of sludge
A	On site	-	WEX364113	Storing waste exemption	On a farm	Storage of sludge
A	On site	-	WEX391716	Storing waste exemption	On a farm	Storage of sludge
A	On site	-	WEX227720	Storing waste exemption	On a farm	Storage of sludge
A	On site	-	WEX151546	Storing waste exemption	On a farm	Storage of sludge
A	On site	-	WEX130071	Storing waste exemption	On a farm	Storage of sludge
A	On site	-	WEX259790	Storing waste exemption	On a farm	Storage of sludge
3	289m S	1, Lister Road, Middleton, Manchester, M24 4rb	WEX283661	Using waste exemption	Not on a farm	Use of waste in construction
B	295m SE	-	WEX195850	Using waste exemption	Not on a farm	Use of waste in construction
B	295m SE	-	WEX195850	Treating waste exemption	Not on a farm	Screening and blending of waste
C	299m W	Heaton Farm Heywood Old Road Manchester M24 4rp	EPR/GE5856R W/A001	Storing waste exemption	Non-agricultural waste only	Storage of sludge
B	301m SE	21 Boothroyden Road Manchester M24 4ry	EPR/BF0506M W/A001	Using waste exemption	Non-agricultural waste only	Use of waste for a specified purpose
B	301m SE	21 Boothroyden Road Manchester M24 4ry	EPR/BF0506M W/A001	Using waste exemption	Non-agricultural waste only	Use of waste to manufacture finished goods
C	319m W	-	WEX107425	Using waste exemption	On a farm	Use of waste in construction
D	384m NW	-	WEX228806	Storing waste exemption	On a farm	Storage of sludge

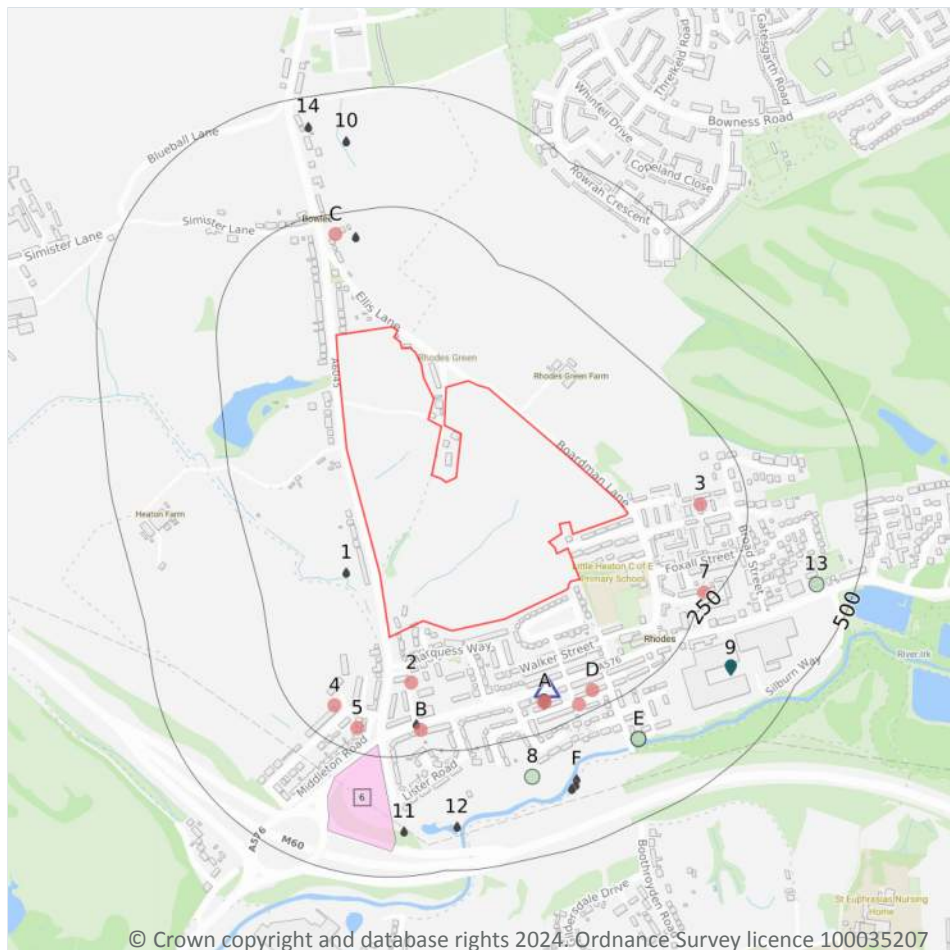


ID	Location	Site	Reference	Category	Sub-Category	Description
D	384m NW	-	WEX259810	Storing waste exemption	On a farm	Storage of sludge
E	434m W	Heaton Farm Heywood Old Road Manchester M24 4rp	EPR/TF0003PJ /A001	Using waste exemption	Both agricultural and non-agricultural waste	Spreading waste on agricultural land to confer benefit
E	434m W	Heaton Farm Heywood Old Road Manchester M24 4rp	EPR/TF0003PJ /A001	Using waste exemption	Both agricultural and non-agricultural waste	Use of waste for a specified purpose
E	434m W	Heaton Farm Heywood Old Road Manchester M24 4rp	EPR/NE5747K V/A001	Using waste exemption	Both agricultural and non-agricultural waste	Use of waste for a specified purpose
E	434m W	Heaton Farm Heywood Old Road Manchester M24 4rp	EPR/NE5747K V/A001	Using waste exemption	Both agricultural and non-agricultural waste	Spreading waste on agricultural land to confer benefit

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
- Sites determined as Contaminated Land
- ◆ 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

11

Current potentially contaminative industrial sites.

Features are displayed on the Current industrial land use map on [page 44](#) >

ID	Location	Company	Address	Activity	Category
2	106m S	Electricity Sub Station	Greater Manchester, M24	Electrical Features	Infrastructure and Facilities
3	152m E	Revive & Restore F X	11, Mount Pleasant, Middleton, Greater Manchester, M24 4PR	Vehicle Cleaning Services	Personal, Consumer and Other Services
4	183m SW	Electricity Sub Station	Greater Manchester, M24	Electrical Features	Infrastructure and Facilities



ID	Location	Company	Address	Activity	Category
A	190m SE	Stuart House Automotive Centre	717-719 Manchester Old Road, Middleton, Manchester, Greater Manchester, M24 4GF	Vehicle Repair, Testing and Servicing	Repair and Servicing
A	192m S	Tommy's Tyre Repairs	Stuart House Service Station 717, Manchester Old Road, Middleton, Greater Manchester, M24 4GF	Vehicle Repair, Testing and Servicing	Repair and Servicing
5	201m SW	Electricity Sub Station	Greater Manchester, M24	Electrical Features	Infrastructure and Facilities
B	204m S	Electricity Sub Station	Greater Manchester, M24	Electrical Features	Infrastructure and Facilities
C	208m NW	Electricity Sub Station	Greater Manchester, M24	Electrical Features	Infrastructure and Facilities
D	212m SE	N R G Electrical Engineers Ltd	54, Pool Bank Street, Middleton, Greater Manchester, M24 4RN	Electrical and Electronic Engineers	Engineering Services
D	226m SE	Electricity Sub Station	Greater Manchester, M24	Electrical Features	Infrastructure and Facilities
7	229m E	Electricity Sub Station	Greater Manchester, M24	Electrical Features	Infrastructure and Facilities

This data is sourced from Ordnance Survey.

4.2 Current or recent petrol stations

Records within 500m	1
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Open, closed, under development and obsolete petrol stations.

Features are displayed on the Current industrial land use map on [page 44 >](#)

ID	Location	Company	Address	LPG	Status
A	165m SE	UNBRANDED	717-719, Manchester Old Road, Middleton, Manchester, Greater Manchester, M24 4GF	Not Applicable	Obsolete

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**1**

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

Features are displayed on the Current industrial land use map on [page 44](#) >

ID	Location	Description	Site name	Category	Year identified
6	226m S	Former landfill. Assessment concluded that not meet the legal definition of "contaminated land" as defined by the 1990 Environmental Protection Act	Kelvin Avenue former landfill site. Middleton	Potentially Contaminated Land - Investigated	Not specified

This data is sourced from Local Authority records.

4.6 Control of Major Accident Hazards (COMAH)

Records within 500m**0**

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

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

2

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 44](#) >

ID	Location	Address	Details	
A	190m S	Pearl Trading Ltd, Stuart House Service Station, 717-719 Manchester Old Road, Middleton, Manchester, M24 4GF	Process: Unloading of Petrol into Storage at Service Stations Status: Historical Permit Permit Type: Part B	Enforcement: No Enforcements Notified Date of enforcement: No Enforcements Notified Comment: No Enforcements Notified
9	364m SE	Bernstein Plc, Manchester Old Rd	Process: Timber Manufacture Status: Historical 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	11
----------------------------	-----------

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 44 >](#)

ID	Location	Address	Details	
1	67m SW	241 HEYWOOD OLD ROAD, MIDDLETON, MANCHESTER, M24 4QR	Effluent Type: SEWAGE DISCHARGES - FINAL/TREATED EFFLUENT - NOT WATER COMPANY Permit Number: 016992302 Permit Version: 1 Receiving Water: SURFACE WATER DRAIN TO R IRK	Status: PRE NRA LEGISLATION WHERE ISSUE DATE 01-SEP-89 (HISTORIC ONLY) Issue date: 01/10/1996 Effective Date: 01/10/1996 Revocation Date: -
B	188m S	MANCHESTER OLD ROAD CSO, 775 MANCHESTER OLD ROAD, MIDDLETON, MANCHESTER, GREATER MANCHESTER, M24 4RE	Effluent Type: SEWAGE DISCHARGES - SEWER STORM OVERFLOW - WATER COMPANY Permit Number: 016982916 Permit Version: 3 Receiving Water: RIVER IRK	Status: VARIED UNDER EPR 2010 Issue date: 23/03/2020 Effective Date: 23/03/2020 Revocation Date: -



ID	Location	Address	Details	
C	196m N	238 HEYWOOD OLD ROAD, MIDDLETON, MANCHESTER, M24 4GQ	Effluent Type: SEWAGE DISCHARGES - FINAL/TREATED EFFLUENT - NOT WATER COMPANY Permit Number: 0173/2092 Permit Version: 1 Receiving Water: TRIB OF LANGLEY BROOK	Status: PRE NRA LEGISLATION WHERE ISSUE DATE 01-SEP-89 (HISTORIC ONLY) Issue date: 07/11/1973 Effective Date: 07/11/1973 Revocation Date: -
F	365m SE	BOOTHROYDEN ROAD CSO, 120M SW OF 1 BOOTHROYDEN CLOSE, MIDDLETON, MANCHESTER, GREATER MANCHESTER, M24 4RW	Effluent Type: SEWAGE DISCHARGES - SEWER STORM OVERFLOW - WATER COMPANY Permit Number: 01ROC0018 Permit Version: 1 Receiving Water: RIVER IRK	Status: CONSENT REVOKED OR REVISED - NEW CONSENT ISSUED (37(1)) Issue date: 01/01/1995 Effective Date: 01/01/1995 Revocation Date: 20/07/2005
F	375m S	BOOTHROYDEN ROAD CSO, 120M SW OF 1 BOOTHROYDEN CLOSE, MIDDLETON, MANCHESTER, GREATER MANCHESTER, M24 4RW	Effluent Type: SEWAGE DISCHARGES - SEWER STORM OVERFLOW - WATER COMPANY Permit Number: 016993590 Permit Version: 3 Receiving Water: THE RIVER IRK	Status: VARIED UNDER EPR 2010 Issue date: 09/01/2020 Effective Date: 09/01/2020 Revocation Date: -
F	379m S	BOOTHROYDEN ROAD CSO, 120M SW OF 1 BOOTHROYDEN CLOSE, MIDDLETON, MANCHESTER, GREATER MANCHESTER, M24 4RW	Effluent Type: SEWAGE DISCHARGES - SEWER STORM OVERFLOW - WATER COMPANY Permit Number: 016993590 Permit Version: 1 Receiving Water: THE RIVER IRK	Status: NEW CONSENT (WRA 91, S88 & SCHED 10 AS AMENDED BY ENV ACT 1995) Issue date: 20/07/2005 Effective Date: 20/07/2005 Revocation Date: 30/03/2010
F	379m S	BOOTHROYDEN ROAD CSO, 120M SW OF 1 BOOTHROYDEN CLOSE, MIDDLETON, MANCHESTER, GREATER MANCHESTER, M24 4RW	Effluent Type: SEWAGE DISCHARGES - SEWER STORM OVERFLOW - WATER COMPANY Permit Number: 016993590 Permit Version: 2 Receiving Water: THE RIVER IRK	Status: MODIFIED - (WRA 91 SCHED 10 - AS AMENDED BY ENV ACT 1995) Issue date: 31/03/2010 Effective Date: 31/03/2010 Revocation Date: 08/01/2020
10	397m N	JOLLY BUTCHER INN, BOWLEE, MIDDLETON, MANCHESTER, GREATER MANCHESTER	Effluent Type: SEWAGE DISCHARGES - FINAL/TREATED EFFLUENT - NOT WATER COMPANY Permit Number: 01M/211 Permit Version: 1 Receiving Water: UNKNOWN	Status: REVOKED (WRA 91, S88 & SCHED 10 AS AMENDED BY ENV ACT 1995) Issue date: - Effective Date: 12/12/1960 Revocation Date: 01/04/1998
11	406m S	KELVIN AVE/LISTER RD, ROCHDALE, GREATER MANCHESTER	Effluent Type: SEWAGE DISCHARGES - FINAL/TREATED EFFLUENT - WATER COMPANY Permit Number: 01ROC0010 Permit Version: 1 Receiving Water: RIVER IRK	Status: REVOKED - UNSPECIFIED Issue date: - Effective Date: 15/09/1993 Revocation Date: 15/09/1993



ID	Location	Address	Details	
12	408m S	WHELMAR RES DEVELOPMENT SWO, BOOTHROYDEN ROAD, BLACKLEY, GREATER MANCHESTER	Effluent Type: MISCELLANEOUS DISCHARGES - SURFACE WATER Permit Number: 016991312 Permit Version: 1 Receiving Water: RIVER IRK	Status: REVOKED - UNSPECIFIED Issue date: - Effective Date: 01/11/1994 Revocation Date: 01/11/1994
14	438m N	276 HEYWOOD OLD RD, MIDDLETON, MANCHESTER, M24 4QG	Effluent Type: SEWAGE DISCHARGES - FINAL/TREATED EFFLUENT - NOT WATER COMPANY Permit Number: 0172/1714 Permit Version: 1 Receiving Water: LANGLEY BROOK	Status: PRE NRA LEGISLATION WHERE ISSUE DATE 01-SEP-89 (HISTORIC ONLY) Issue date: 05/05/1972 Effective Date: 05/05/1972 Revocation Date: -

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 44 >](#)

ID	Location	Details	
8	332m S	Incident Date: 15/10/2001 Incident Identification: 36652 Pollutant: Inert Materials and Wastes Pollutant Description: Construction and Demolition Materials and Wastes	Water Impact: Category 3 (Minor) Land Impact: Category 3 (Minor) Air Impact: Category 4 (No Impact)
E	345m SE	Incident Date: 27/11/2001 Incident Identification: 45189 Pollutant: Inert Materials and Wastes Pollutant Description: Other Inert Material or Waste	Water Impact: Category 4 (No Impact) Land Impact: Category 3 (Minor) Air Impact: Category 4 (No Impact)
E	345m SE	Incident Date: 27/11/2001 Incident Identification: 45189 Pollutant: Inert Materials and Wastes Pollutant Description: Other Inert Material or Waste	Water Impact: Category 4 (No Impact) Land Impact: Category 3 (Minor) Air Impact: Category 4 (No Impact)
13	420m E	Incident Date: 09/08/2008 Incident Identification: 612193 Pollutant: Organic Chemicals/Products Pollutant Description: Surfactants and Detergents	Water Impact: Category 2 (Significant) 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

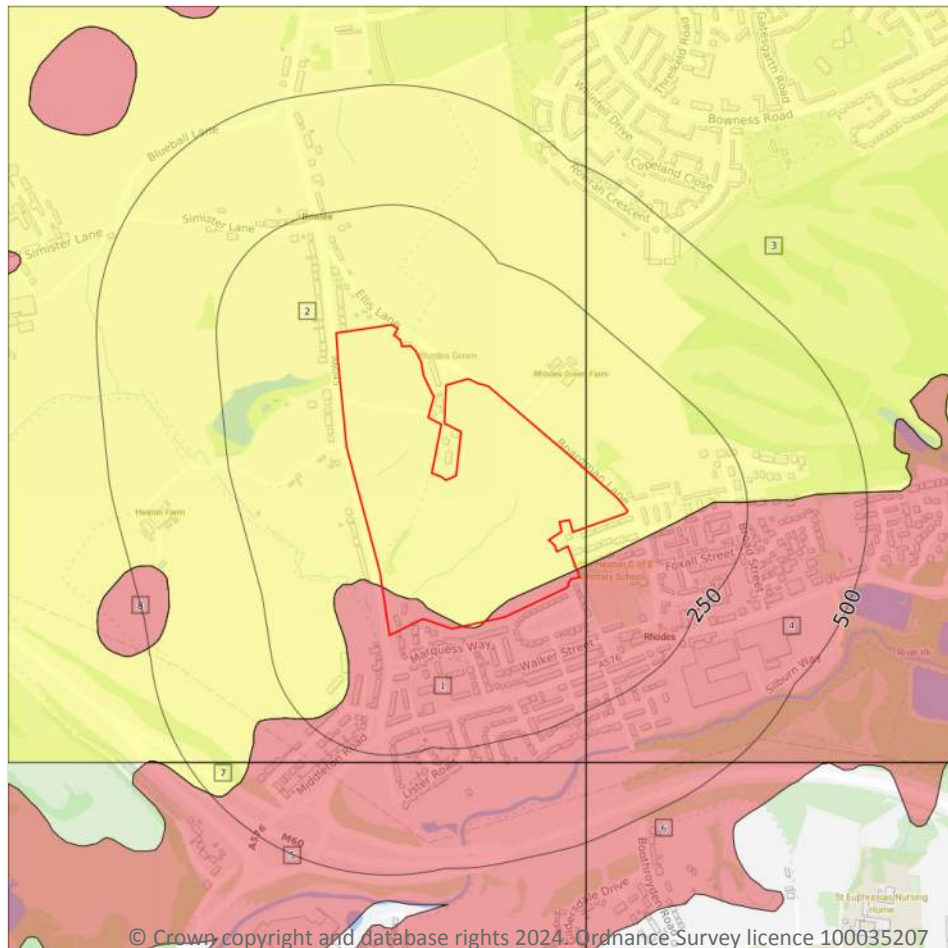
0

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



- Site Outline**
- Search buffers in metres (m)**
- Principal
 - Secondary A
 - Secondary B
 - Secondary Undifferentiated
 - Unproductive
 - Unknown

5.1 Superficial aquifer

Records within 500m

8

Aquifer status of groundwater held within superficial geology.

Features are displayed on the Hydrogeology map on [page 53 >](#)

ID	Location	Designation	Description
1	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
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

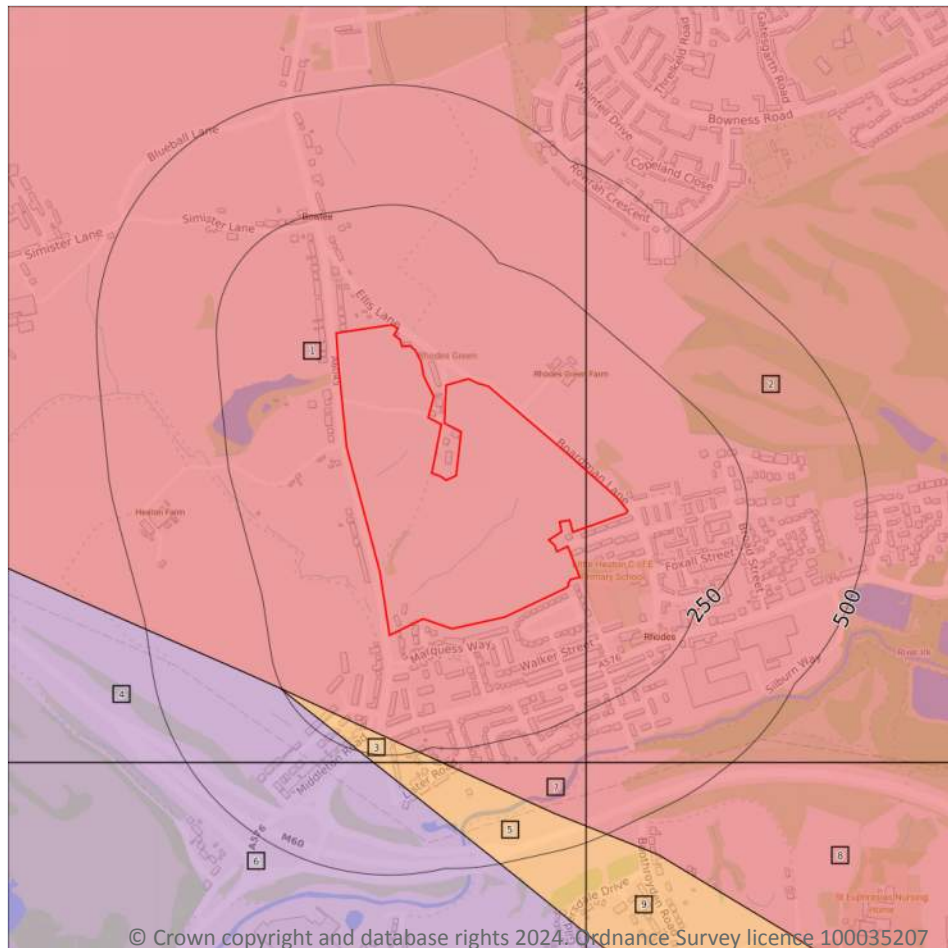


ID	Location	Designation	Description
3	On site	Secondary Undifferentiated	Assigned where it is not possible to attribute either category A or B to a rock type. In general these layers have previously been designated as both minor and non-aquifer in different locations due to the variable characteristics of the rock type
4	13m SE	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
5	265m S	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
6	346m SE	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
7	395m SW	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	432m W	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

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



Bedrock aquifer



- Site Outline
- Search buffers in metres (m)
- Principal
 - Secondary A
 - Secondary B
 - Secondary Undifferentiated
 - Unproductive

5.2 Bedrock aquifer

Records within 500m

9

Aquifer status of groundwater held within bedrock geology.

Features are displayed on the Bedrock aquifer map on [page 55](#) >

ID	Location	Designation	Description
1	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
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

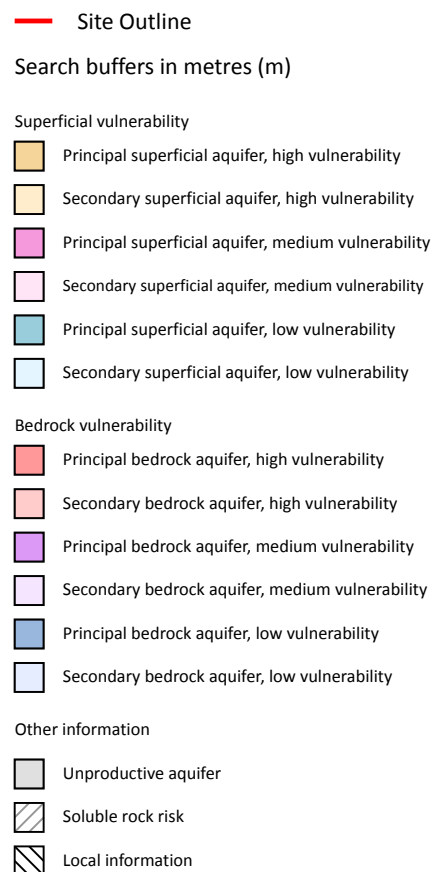
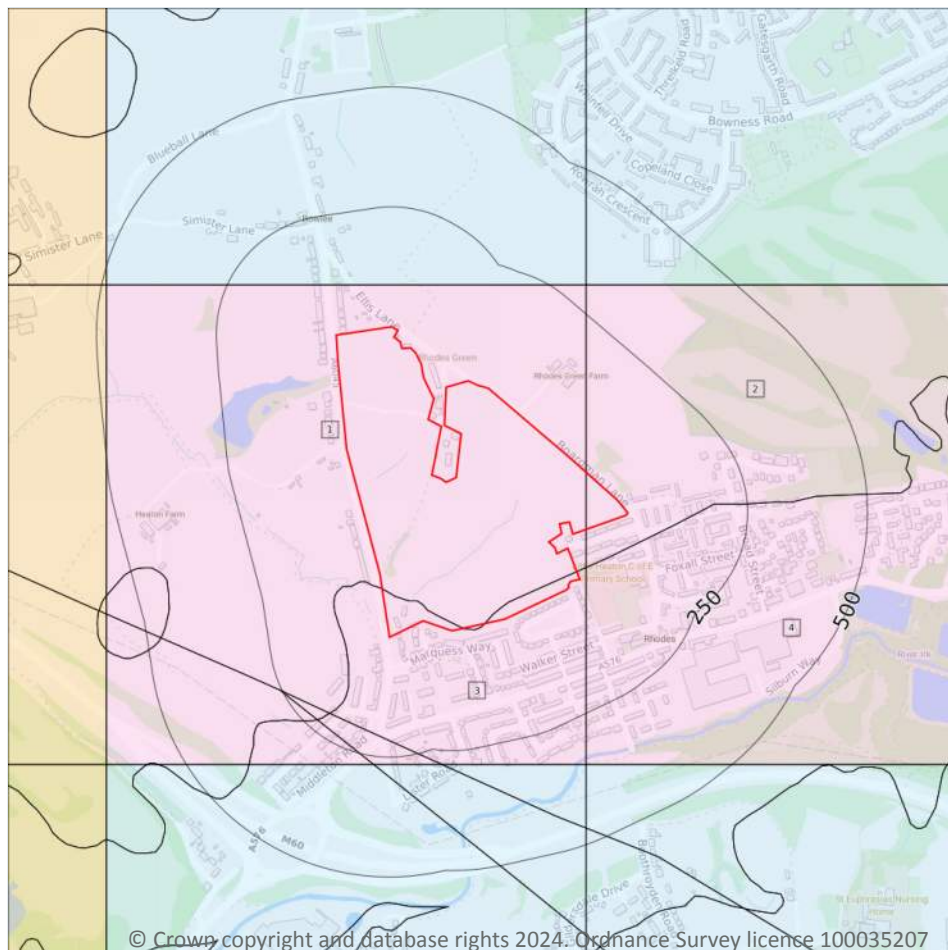


ID	Location	Designation	Description
3	196m SW	Secondary B	Predominantly lower permeability layers which may store/yield limited amounts of groundwater due to localised features such as fissures, thin permeable horizons and weathering. These are generally the water-bearing parts of the former non-aquifers
4	229m SW	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
5	265m S	Secondary B	Predominantly lower permeability layers which may store/yield limited amounts of groundwater due to localised features such as fissures, thin permeable horizons and weathering. These are generally the water-bearing parts of the former non-aquifers
6	268m S	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
7	279m S	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
8	346m SE	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
9	467m S	Secondary B	Predominantly lower permeability layers which may store/yield limited amounts of groundwater due to localised features such as fissures, thin permeable horizons and weathering. These are generally the water-bearing parts of the former non-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 57 >](#)



ID	Location	Summary	Soil / surface	Superficial geology	Bedrock geology
1	On site	Summary Classification: Secondary superficial aquifer - Medium Vulnerability Combined classification: Productive Bedrock Aquifer, Productive Superficial Aquifer	Leaching class: High Infiltration value: <40% Dilution value: >550mm/year	Vulnerability: Medium Aquifer type: Secondary Thickness: >10m Patchiness value: >90% Recharge potential: Low	Vulnerability: Low Aquifer type: Secondary Flow mechanism: Well connected fractures
2	On site	Summary Classification: Secondary superficial aquifer - Medium Vulnerability Combined classification: Productive Bedrock Aquifer, Productive Superficial Aquifer	Leaching class: High Infiltration value: <40% Dilution value: >550mm/year	Vulnerability: Medium Aquifer type: Secondary Thickness: >10m Patchiness value: >90% Recharge potential: Low	Vulnerability: Low Aquifer type: Secondary Flow mechanism: Well connected fractures
3	On site	Summary Classification: Secondary superficial aquifer - Medium Vulnerability Combined classification: Productive Bedrock Aquifer, Productive Superficial Aquifer	Leaching class: High Infiltration value: <40% Dilution value: >550mm/year	Vulnerability: Medium Aquifer type: Secondary Thickness: >10m Patchiness value: >90% Recharge potential: Low	Vulnerability: Low Aquifer type: Secondary Flow mechanism: Well connected fractures
4	13m SE	Summary Classification: Secondary superficial aquifer - Medium Vulnerability Combined classification: Productive Bedrock Aquifer, Productive Superficial Aquifer	Leaching class: High Infiltration value: <40% Dilution value: >550mm/year	Vulnerability: Medium Aquifer type: Secondary Thickness: >10m Patchiness value: >90% Recharge potential: Low	Vulnerability: Low Aquifer type: Secondary 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

0

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

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



- Site Outline
- Search buffers in metres (m)
- Source Protection Zone 1
Inner catchment
- Source Protection Zone 2
Outer catchment
- Source Protection Zone 3
Total catchment
- Source Protection Zone 4
Zone of Special Interest
- Source Protection Zone 1c
Inner catchment - confined aquifer
- Source Protection Zone 2c
Outer catchment - confined aquifer
- Source Protection Zone 3c
Total catchment - confined aquifer
- Drinking water abstraction licences
Linear features
- Drinking water abstraction licences
Polygon features
- Groundwater abstraction licence (point)
- Groundwater abstraction licence (area)
- Groundwater abstraction licence (linear)
- Surface Water Abstractions (point)
- Surface Water Abstractions (area)
- Surface Water Abstractions (linear)

5.6 Groundwater abstractions

Records within 2000m

0

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.

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

5.7 Surface water abstractions

Records within 2000m

5

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.

Features are displayed on the Abstractions and Source Protection Zones map on [page 60](#) >

ID	Location	Details	
-	831m E	Status: Historical Licence No: 2569005055 Details: Spray Irrigation - Direct Direct Source: Surface, Non-Tidal - North West Region Point: RESERVOIR FED BY SURFACE DRAINAGE AT NORTH MANCHESTER GOLF C Data Type: Point Name: THE NEW NORTH MANCHESTER GOLF CLUB LTD Easting: 385900 Northing: 405700	Annual Volume (m ³): 2273 Max Daily Volume (m ³): 45.46 Original Application No: 2477 Original Start Date: 21/02/1977 Expiry Date: - Issue No: 101 Version Start Date: 01/04/2008 Version End Date: -
-	1514m E	Status: Historical Licence No: 2569005035 Details: Boiler Feed Direct Source: "Surface, Non-Tidal - North West Region" Point: "RESERVOIR FED BY SURFACE DRAINAGE AT MIDDLETON, MANCHESTER(T" Data Type: Point Name: ROBERT McBRIDE LTD Easting: 386600 Northing: 405600	Annual Volume (m ³): - Max Daily Volume (m ³): - Original Application No: - Original Start Date: 20/01/1966 Expiry Date: - Issue No: 100 Version Start Date: 18/01/1995 Version End Date: -
-	1514m E	Status: Historical Licence No: 2569005035 Details: General Cooling (Existing Licences Only) (Low Loss) Direct Source: "Surface, Non-Tidal - North West Region" Point: "RESERVOIR FED BY SURFACE DRAINAGE AT MIDDLETON, MANCHESTER(T" Data Type: Point Name: ROBERT McBRIDE LTD Easting: 386600 Northing: 405600	Annual Volume (m ³): - Max Daily Volume (m ³): - Original Application No: - Original Start Date: 20/01/1966 Expiry Date: - Issue No: 100 Version Start Date: 18/01/1995 Version End Date: -



ID	Location	Details	
-	1514m E	Status: Historical Licence No: 2569005035 Details: General Cooling (Existing Licences Only) (Low Loss) Direct Source: Surface, Non-Tidal - North West Region Point: RESERVOIR FED BY SURFACE DRAINAGE AT MIDDLETON, MANCHESTER(T Data Type: Point Name: ROBERT McBRIDE LTD Easting: 386600 Northing: 405600	Annual Volume (m ³): 28867 Max Daily Volume (m ³): 2182.08 Original Application No: 1898 Original Start Date: 20/01/1966 Expiry Date: - Issue No: 100 Version Start Date: 01/04/2007 Version End Date: -
-	1514m E	Status: Historical Licence No: 2569005035 Details: Boiler Feed Direct Source: Surface, Non-Tidal - North West Region Point: RESERVOIR FED BY SURFACE DRAINAGE AT MIDDLETON, MANCHESTER(T Data Type: Point Name: ROBERT McBRIDE LTD Easting: 386600 Northing: 405600	Annual Volume (m ³): 28867 Max Daily Volume (m ³): 2182.08 Original Application No: 1898 Original Start Date: 20/01/1966 Expiry Date: - Issue No: 100 Version Start Date: 01/04/2007 Version End Date: -

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

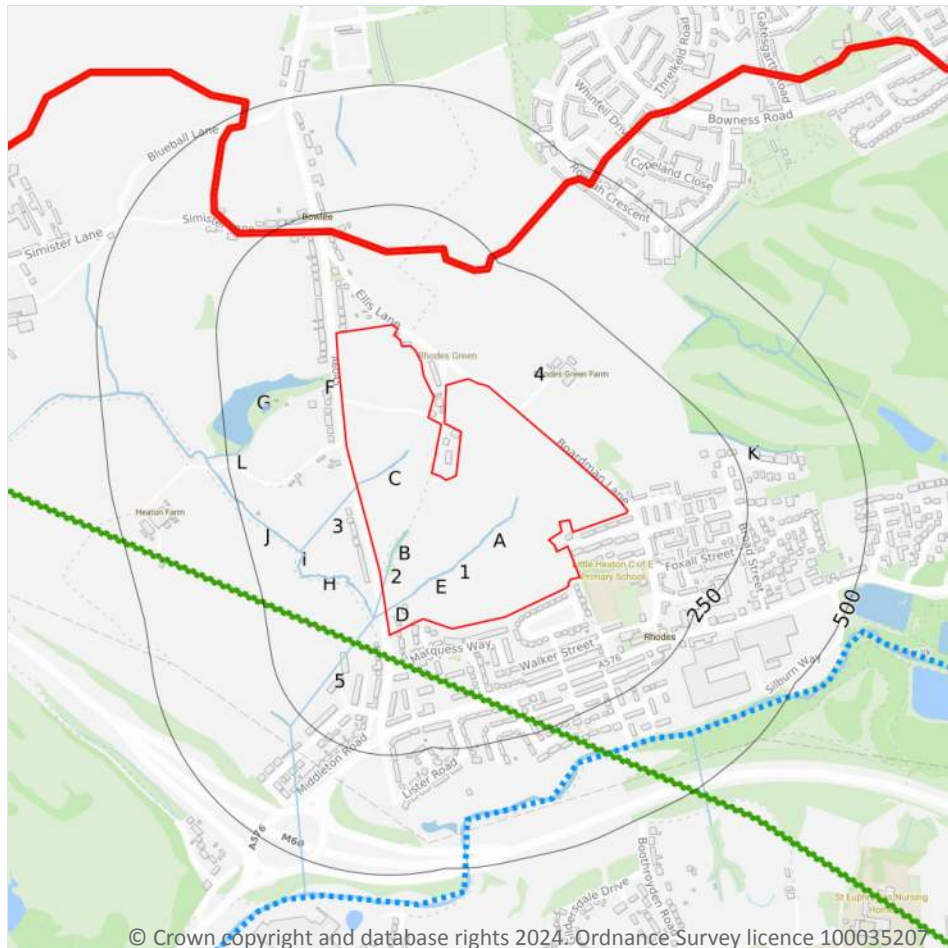
0

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

29

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 64 >](#)

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



ID	Location	Type of water feature	Ground level	Permanence	Name
2	On site	Marsh. An area that is predominantly waterlogged by freshwater.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
3	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)	-
B	On site	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
C	On site	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
D	On site	Inland river not influenced by normal tidal action.	Not provided	Watercourse contains water year round (in normal circumstances)	-
D	On site	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
E	On site	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
5	28m SW	Inland river not influenced by normal tidal action.	Not provided	Watercourse contains water year round (in normal circumstances)	-
D	28m SW	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
D	31m SW	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
F	35m NW	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
F	36m NW	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	40m SW	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
F	44m NW	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
G	45m NW	Reservoir. An area of non-tidal water used for storing water.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
D	45m SW	Inland river not influenced by normal tidal action.	Underground	Watercourse contains water year round (in normal circumstances)	-
H	54m SW	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
I	149m W	Inland river not influenced by normal tidal action.	Underground	Watercourse contains water year round (in normal circumstances)	-
I	151m W	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
J	204m W	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
K	207m E	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
L	213m W	Manmade watercourse for water transfer.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
J	215m W	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
J	220m W	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
J	221m 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
J	235m W	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
J	238m W	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-

This data is sourced from the Ordnance Survey.

6.2 Surface water features

Records within 250m

9

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 64 >](#)

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 64 >](#)

ID	Location	Type	Water body catchment	Water body ID	Operational catchment	Management catchment
A	On site	River	Irk (Wince to Irwell)	GB112069061131	Roch Irk Medlock	Irwell

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 64 >](#)

ID	Location	Type	Name	Water body ID	Overall rating	Chemical rating	Ecological rating	Year
12	340m SE	River	Irk (Wince to Irwell)	GB112069061131 ↗	Moderate	Fail	Moderate	2019

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 64 >](#)

ID	Location	Name	Water body ID	Overall rating	Chemical rating	Quantitative	Year
4	On site	Northern Manchester Carboniferous Aquifers	GB41202G101800 ↗	Poor	Poor	Good	2019

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



7 River and coastal flooding



— Site Outline
Search buffers in metres (m)

River and coastal flooding:

- High
- Medium
- Low
- Very Low
- Historical Flood Events
- Areas Used for Flood Storage
- Areas Benefiting from Flood Defences
- Flood Defences

7.1 Risk of flooding from rivers and the sea

Records within 50m

0

The chance of flooding from rivers and/or the sea in any given year, based on cells of 50m within the Risk of Flooding from Rivers and Sea (RoFRaS)/Flood Risk Assessment Wales (FRAW) models. Each cell is allocated one of four flood risk categories, taking into account flood defences and their condition. The risk categories for RoFRaS for rivers and the sea and FRAW for rivers are; 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). The risk categories for FRAW for the sea are; Very low (less than 1 in 1000 chance in any given year), Low (less than 1 in 200 but greater than or equal to 1 in 1000 chance), Medium (less than 1 in 30 but greater than or equal to 1 in 200 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

1

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.

Features are displayed on the River and coastal flooding map on [page 69](#) >

ID	Location	
5	244m SE	Area benefiting from flood defences

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

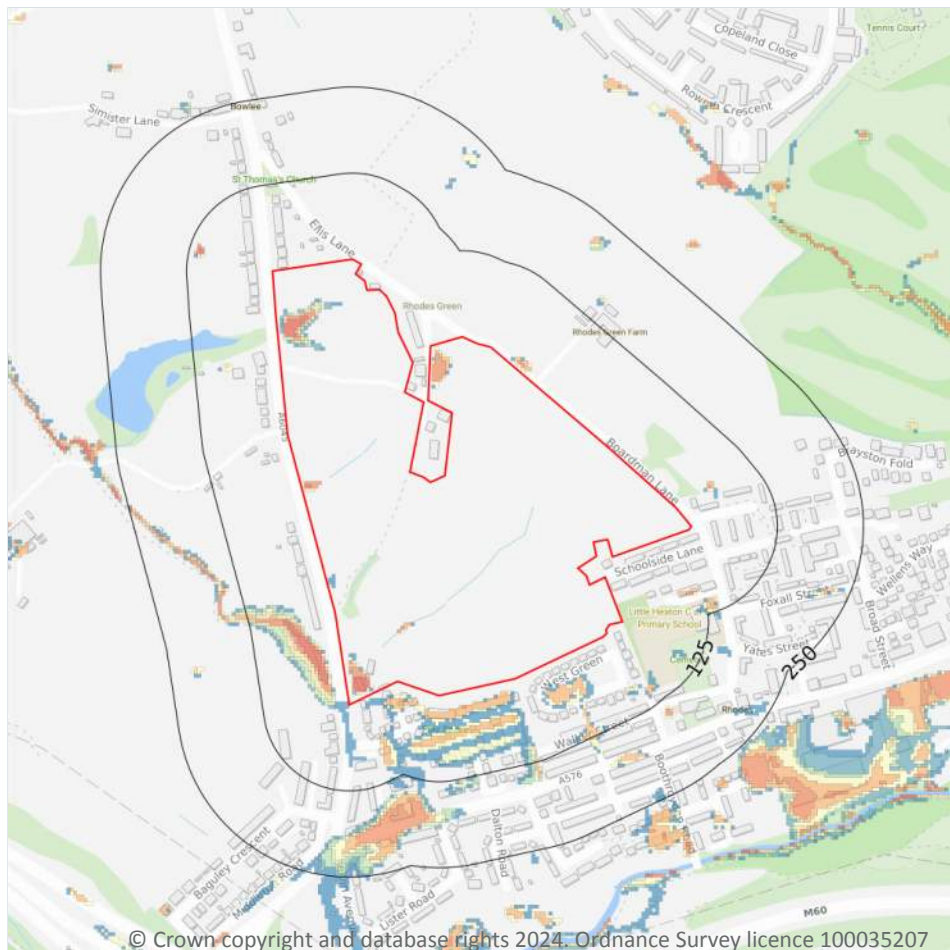
0

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



— Site Outline

Search buffers in metres (m)

1 in 1000 return period

- Depth between 0.1m - 0.3m
- Depth between 0.3m - 1.0m
- Depth greater than 1.0m

1 in 250 return period

- Depth between 0.1m - 0.3m
- Depth between 0.3m - 1.0m
- Depth greater than 1.0m

1 in 100 return period

- Depth between 0.1m - 0.3m
- Depth between 0.3m - 1.0m
- Depth greater than 1.0m

1 in 30 return period

- Depth between 0.1m - 0.3m
- Depth between 0.3m - 1.0m
- Depth greater than 1.0m

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 72 >](#)

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 Ambiantal Risk Analytics.



9 Groundwater flooding



— Site Outline
Search buffers in metres (m)

- High
- Moderate - High
- Moderate
- Low
- Negligible

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 74 >](#)

This data is sourced from Ambiantal Risk Analytics.

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

3

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.

Features are displayed on the Environmental designations map on [page 75 >](#)

ID	Location	Name	Data source
2	471m E	Alkrington Woods	Natural England
5	913m SW	Blackley Forest	Natural England
6	1221m S	Blackley Forest	Natural England

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

10.7 Designated Ancient Woodland

Records within 2000m

0

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.

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**3**

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

Features are displayed on the Environmental designations map on [page 75 >](#)

ID	Location	Name	Local Authority name
1	16m W	Merseyside and Greater Manchester	Bury
3	482m NW	Merseyside and Greater Manchester	Rochdale
4	554m SW	Merseyside and Greater Manchester	Manchester

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

4

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	River Irk (Moston Brook to River Irwell) NVZ	Surface Water	638	Existing

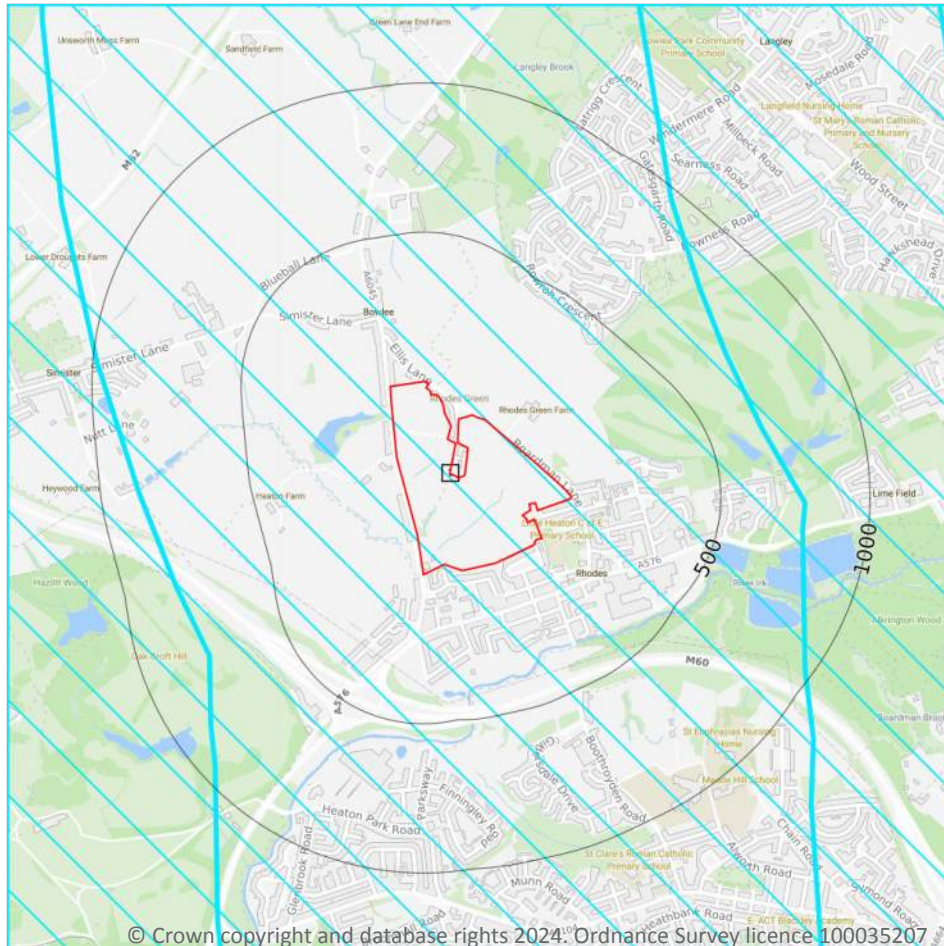


Location	Name	Type	NVZ ID	Status
69m N	River Irk (Moston Brook to River Irwell) NVZ	Surface Water	638	Existing
387m NW	River Irk (Moston Brook to River Irwell) NVZ	Surface Water	638	Existing
397m NW	River Irk (Moston Brook to River Irwell) NVZ	Surface Water	638	Existing

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



SSSI Impact Zones and Units



- Site Outline
- Search buffers in metres (m)
- SSSI Impact Risk Zones
- SSSI Units
- Not recorded
- Favourable
- Unfavourable - Recovering
- Unfavourable - No change
- Unfavourable - Declining
- Partially destroyed
- Destroyed

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 81](#) >



ID	Location	Type of developments requiring consultation
1	On site	Infrastructure - Airports, helipads and other aviation proposals. Air pollution - Any industrial/agricultural development that could cause AIR POLLUTION (incl: industrial processes, livestock & poultry units with floorspace > 500m², slurry lagoons & digestate stores > 750m², manure stores > 3500t). 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.

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

2

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.

Features are displayed on the Visual and cultural designations map on [page 83 >](#)

ID	Location	Name	Grade	Reference Number	Listed date
1	177m SE	Church Of All Saints War Memorial, All Saint's Church, Manchester Old Road, Middleton	II	1441215	02/02/2017
2	186m E	Rhodes Schools	II	1068501	19/09/1969

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



11.5 Conservation Areas

Records within 250m

0

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.

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

11.7 Registered Parks and Gardens

Records within 250m

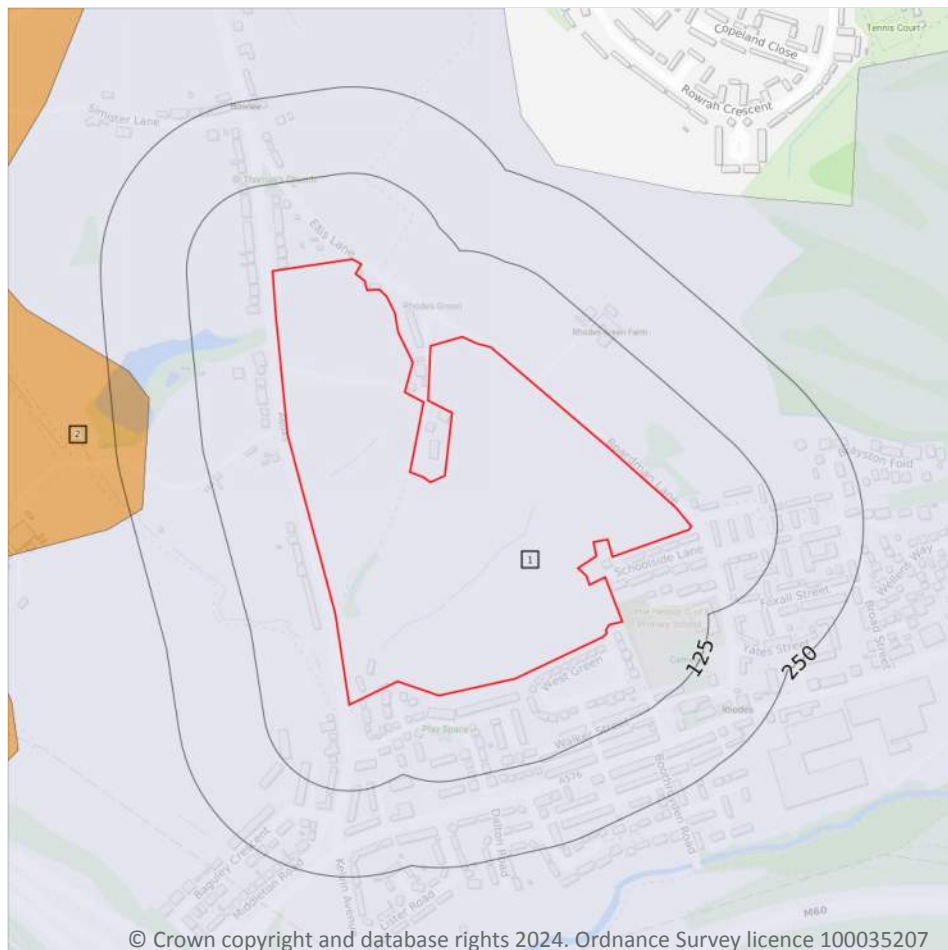
0

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 Historic England, Cadw and Historic Environment Scotland.



12 Agricultural designations



- Site Outline
- Search buffers in metres (m)
- Grade 1 - excellent quality
- Grade 2 - very good quality
- Grade 3 - good to moderate quality
- Grade 3a - good quality
- Grade 3b - moderate quality
- Grade 4 - poor quality
- Grade 5 - very poor quality
- Non-agricultural land
- Urban land
- Exclusion land
- Tree felling licences
- Open Access land

12.1 Agricultural Land Classification

Records within 250m

2

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 86](#) >

ID	Location	Classification	Description
1	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.



ID	Location	Classification	Description
2	195m W	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

3

Environmental Stewardship covers a range of schemes that provide financial incentives to farmers, foresters and land managers to look after and improve the environment. The schemes identified may be historical schemes that have now expired, or may still be active.

Location	Reference	Scheme	Start Date	End date
On site	AG00418610	Entry Level Stewardship	01/11/2013	31/10/2018
20m SW	AG00418610	Entry Level Stewardship	01/11/2013	31/10/2018
44m W	AG00418610	Entry Level Stewardship	01/11/2013	31/10/2018

This data is sourced from Natural England.



12.5 Countryside Stewardship Schemes

Records within 250m

3

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
20m SW	1307554	Countryside Stewardship (Higher Tier)	01/09/2022	31/08/2024
44m NW	1307554	Countryside Stewardship (Higher Tier)	01/09/2022	31/08/2024
44m W	1307554	Countryside Stewardship (Higher Tier)	01/09/2022	31/08/2024

This data is sourced from Natural England.



13 Habitat designations



- Site Outline
- Search buffers in metres (m)
- Priority Habitat Inventory
- Open Mosaic Habitat
- Limestone Pavement Orders
- Habitat Networks
- Primary Habitat
- Restorable Habitat
- Associated Habitats
- Habitat Restoration-Creation
- Network Enhancement Zone 1
- Network Enhancement Zone 2

13.1 Priority Habitat Inventory

Records within 250m

3

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 89](#) >

ID	Location	Main Habitat	Other habitats
1	16m NW	Deciduous woodland	Main habitat: DWOOD (INV > 50%)
2	36m NW	Deciduous woodland	Main habitat: DWOOD (INV > 50%)
3	203m E	Deciduous woodland	Main habitat: DWOOD (INV > 50%)

This data is sourced from Natural England.



Contact us with any questions at:

info@groundsure.com ↗

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Date: 1 July 2024

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

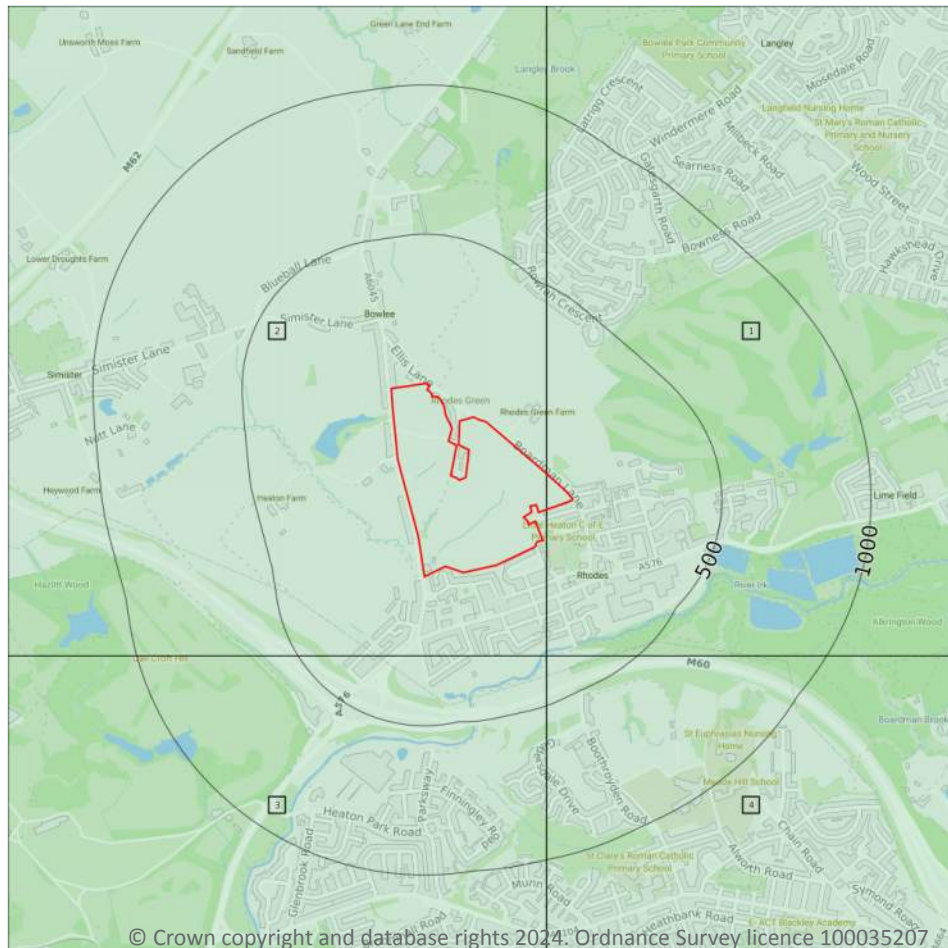
0

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



— 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 91](#) >

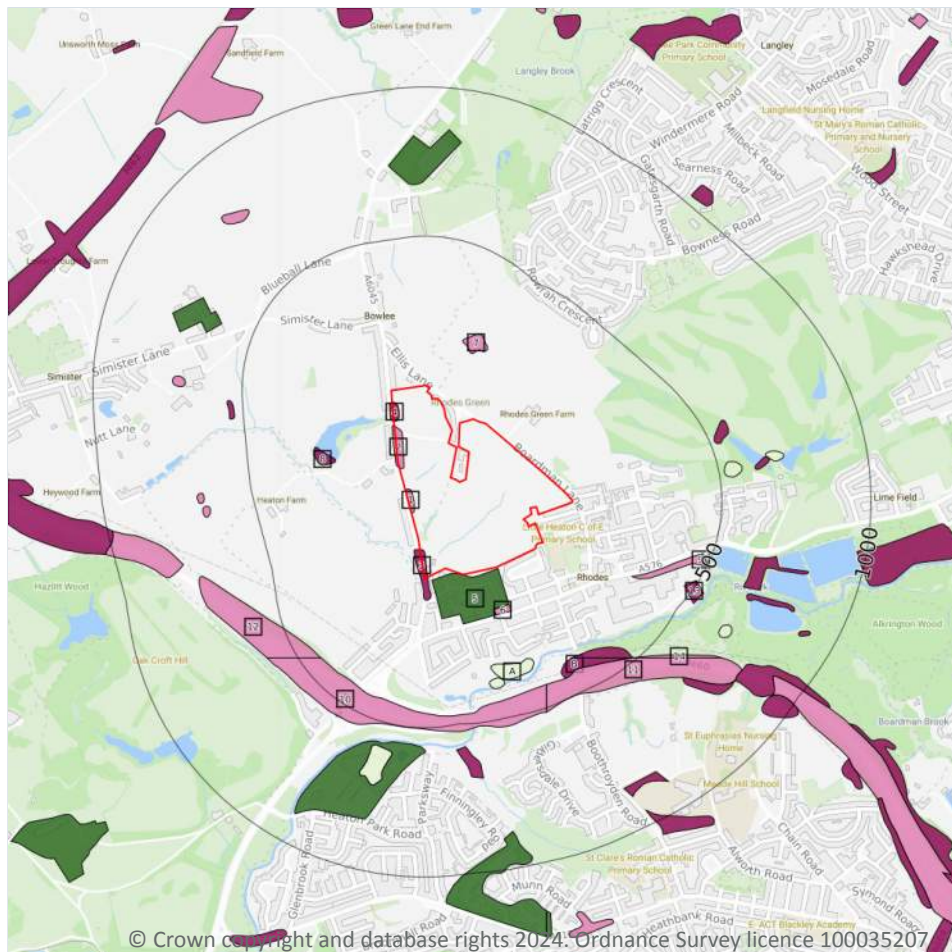
ID	Location	Artificial	Superficial	Bedrock	Mass movement	Sheet No.
1	On site	Full	Full	Full	Full	SD80NE
2	On site	Full	Full	Full	Full	SD80NW
3	265m S	Full	Full	Full	Full	SD80SW
4	346m SE	Full	Full	Full	Full	SD80SE



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

18

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 93](#) >

ID	Location	LEX Code	Description	Rock description
1	On site	WGR-VOID	Worked Ground (Undivided)	Void
2	On site	WGR-VOID	Worked Ground (Undivided)	Void
3	On site	MGR-ARTDP	Made Ground (Undivided)	Artificial Deposit
4	On site	MGR-ARTDP	Made Ground (Undivided)	Artificial Deposit

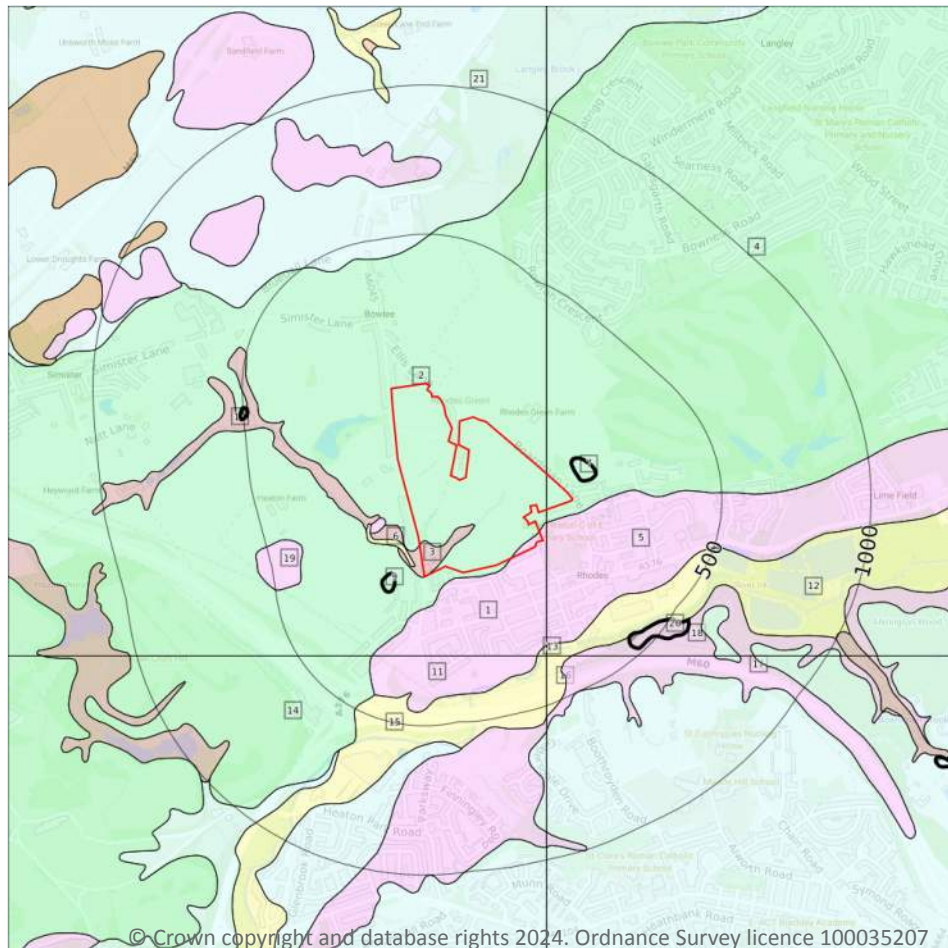


ID	Location	LEX Code	Description	Rock description
5	1m S	LSGR-ARTDP	Landscaped Ground (Undivided)	Artificial Deposit
6	131m S	WGR-VOID	Worked Ground (Undivided)	Void
7	180m N	WGR-VOID	Worked Ground (Undivided)	Void
8	207m W	MGR-ARTDP	Made Ground (Undivided)	Artificial Deposit
A	316m S	WMGR-ARTDP	Infilled Ground	Artificial Deposit
9	320m SE	WGR-VOID	Worked Ground (Undivided)	Void
A	362m S	WMGR-ARTDP	Infilled Ground	Artificial Deposit
B	383m SE	MGR-ARTDP	Made Ground (Undivided)	Artificial Deposit
B	383m SE	MGR-ARTDP	Made Ground (Undivided)	Artificial Deposit
10	422m SW	WGR-VOID	Worked Ground (Undivided)	Void
11	424m SE	WGR-VOID	Worked Ground (Undivided)	Void
12	437m SW	WGR-VOID	Worked Ground (Undivided)	Void
13	469m SE	MGR-ARTDP	Made Ground (Undivided)	Artificial Deposit
14	490m SE	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

18

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 95 >](#)

ID	Location	LEX Code	Description	Rock description
1	On site	GFSDD-XSV	Glaciofluvial Sheet Deposits, Devensian - Sand And Gravel	Sand And Gravel
2	On site	HMGDD-XSV	Hummocky (moundy) Glacial Deposits, Devensian - Sand And Gravel	Sand And Gravel
3	On site	HEAD-XCZSV	Head - Clay, Silt, Sand And Gravel	Clay, Silt, Sand And Gravel



ID	Location	LEX Code	Description	Rock description
4	On site	HMGDD-XSV	Hummocky (moundy) Glacial Deposits, Devensian - Sand And Gravel	Sand And Gravel
5	13m SE	GFSDDD-XSV	Glaciofluvial Sheet Deposits, Devensian - Sand And Gravel	Sand And Gravel
6	26m SW	ALV-XCZSV	Alluvium - Clay, Silt, Sand And Gravel	Clay, Silt, Sand And Gravel
8	93m SW	GFICD-XSV	Glaciofluvial Ice Contact Deposits, Devensian - Sand And Gravel	Sand And Gravel
10	108m W	HEAD-XCZSV	Head - Clay, Silt, Sand And Gravel	Clay, Silt, Sand And Gravel
11	265m S	GFSDDD-XSV	Glaciofluvial Sheet Deposits, Devensian - Sand And Gravel	Sand And Gravel
12	304m SE	ALV-XCZSV	Alluvium - Clay, Silt, Sand And Gravel	Clay, Silt, Sand And Gravel
13	316m SE	ALV-XCZSV	Alluvium - Clay, Silt, Sand And Gravel	Clay, Silt, Sand And Gravel
14	318m SW	HMGDD-XSV	Hummocky (moundy) Glacial Deposits, Devensian - Sand And Gravel	Sand And Gravel
15	333m SE	ALV-XCZSV	Alluvium - Clay, Silt, Sand And Gravel	Clay, Silt, Sand And Gravel
16	346m SE	ALV-XCZSV	Alluvium - Clay, Silt, Sand And Gravel	Clay, Silt, Sand And Gravel
17	383m SE	GFSDDD-XSV	Glaciofluvial Sheet Deposits, Devensian - Sand And Gravel	Sand And Gravel
18	383m SE	GFSDDD-XSV	Glaciofluvial Sheet Deposits, Devensian - Sand And Gravel	Sand And Gravel
19	385m W	GFDUD-XSV	Glaciofluvial Deposits, Devensian - Sand And Gravel	Sand And Gravel
21	434m NW	TILLD-DMTN	Till, Devensian - Diamicton	Diamicton

This data is sourced from the British Geological Survey.

14.4 Landslip (10k)

Records within 500m

4

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.

Features are displayed on the Geology 1:10,000 scale - Superficial map on [page 95 >](#)

ID	Location	LEX Code	Description	Rock description
7	61m E	SLIP-UNKNOWN	Landslide Deposits	Unknown/unclassified Entry
9	97m SW	SLIP-UNKNOWN	Landslide Deposits	Unknown/unclassified Entry

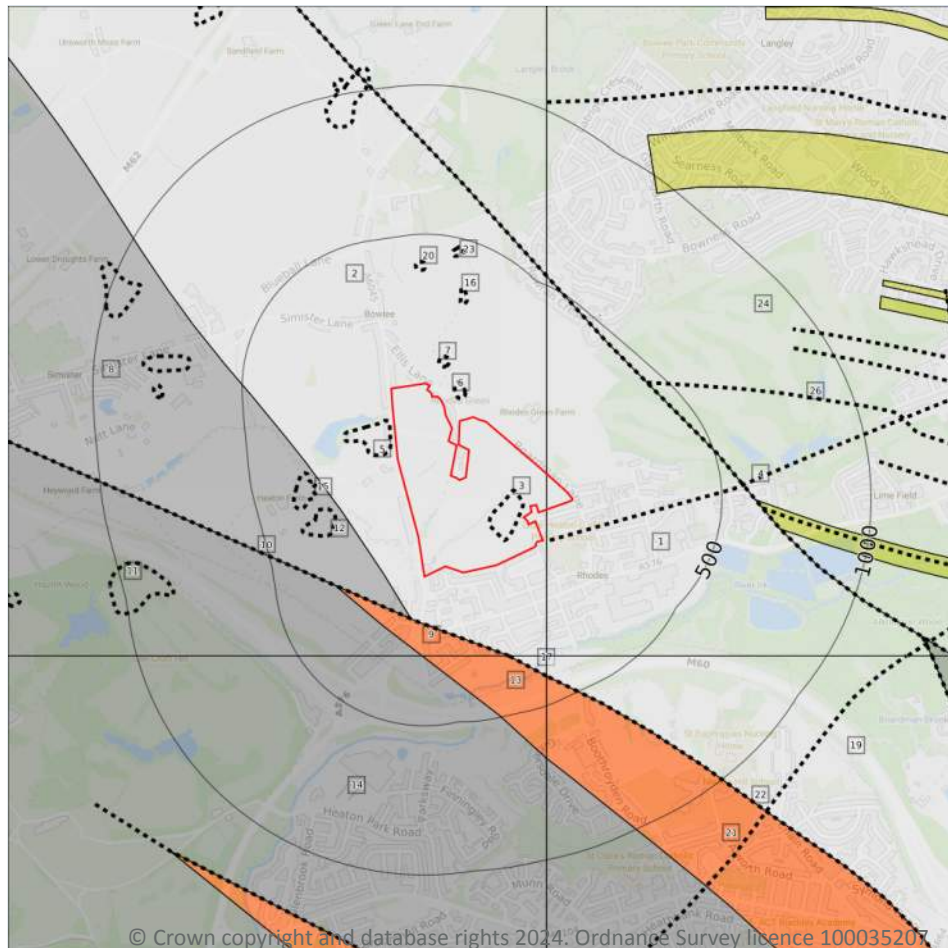


ID	Location	LEX Code	Description	Rock description
20	433m SE	SLIP-UNKNOWN	Landslide Deposits	Unknown/unclassified Entry
22	486m W	SLIP-UNKNOWN	Landslide Deposits	Unknown/unclassified Entry

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

11

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 98 >](#)

ID	Location	LEX Code	Description	Rock age
1	On site	PLCM-MDSS	Pennine Lower Coal Measures Formation - Mudstone, Siltstone And Sandstone	Langsettian Sub-age
2	On site	PLCM-MDSS	Pennine Lower Coal Measures Formation - Mudstone, Siltstone And Sandstone	Langsettian Sub-age

ID	Location	LEX Code	Description	Rock age
8	112m SW	PMCM-MDSS	Pennine Middle Coal Measures Formation - Mudstone, Siltstone And Sandstone	Bolsovia Sub-age - Duckmantian Sub-age
9	148m SW	MM-MDST	Manchester Marls Formation - Mudstone	Late Permian Epoch [Obsolete name]
11	216m SW	CPB-SDST	Chester Pebble Beds Formation - Sandstone	Early Triassic Epoch
13	265m S	MM-MDST	Manchester Marls Formation - Mudstone	Late Permian Epoch [Obsolete name]
14	266m S	CPB-SDST	Chester Pebble Beds Formation - Sandstone	Early Triassic Epoch
17	305m S	PLCM-MDSS	Pennine Lower Coal Measures Formation - Mudstone, Siltstone And Sandstone	Langsettian Sub-age
19	346m SE	PLCM-MDSS	Pennine Lower Coal Measures Formation - Mudstone, Siltstone And Sandstone	Langsettian Sub-age
21	408m SE	MM-MDST	Manchester Marls Formation - Mudstone	Late Permian Epoch [Obsolete name]
24	449m NE	PLCM-MDSS	Pennine Lower Coal Measures Formation - Mudstone, Siltstone And Sandstone	Langsettian Sub-age

This data is sourced from the British Geological Survey.

14.6 Bedrock faults and other linear features (10k)

Records within 500m

15

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.

Features are displayed on the Geology 1:10,000 scale - Bedrock map on [page 98 >](#)

ID	Location	Category	Description
3	On site	LANDFORM	Drumlin, form-line at base of mound
4	13m SE	LANDFORM	Buried channel or valley margin
5	14m NW	LANDFORM	Drumlin, form-line at base of mound
6	53m N	LANDFORM	Kettle hole; closed hollow
7	77m N	LANDFORM	Kettle hole; closed hollow
10	148m SW	FAULT	Normal fault, inferred; crossmarks on downthrow side
12	251m W	LANDFORM	Drumlin, form-line at base of mound

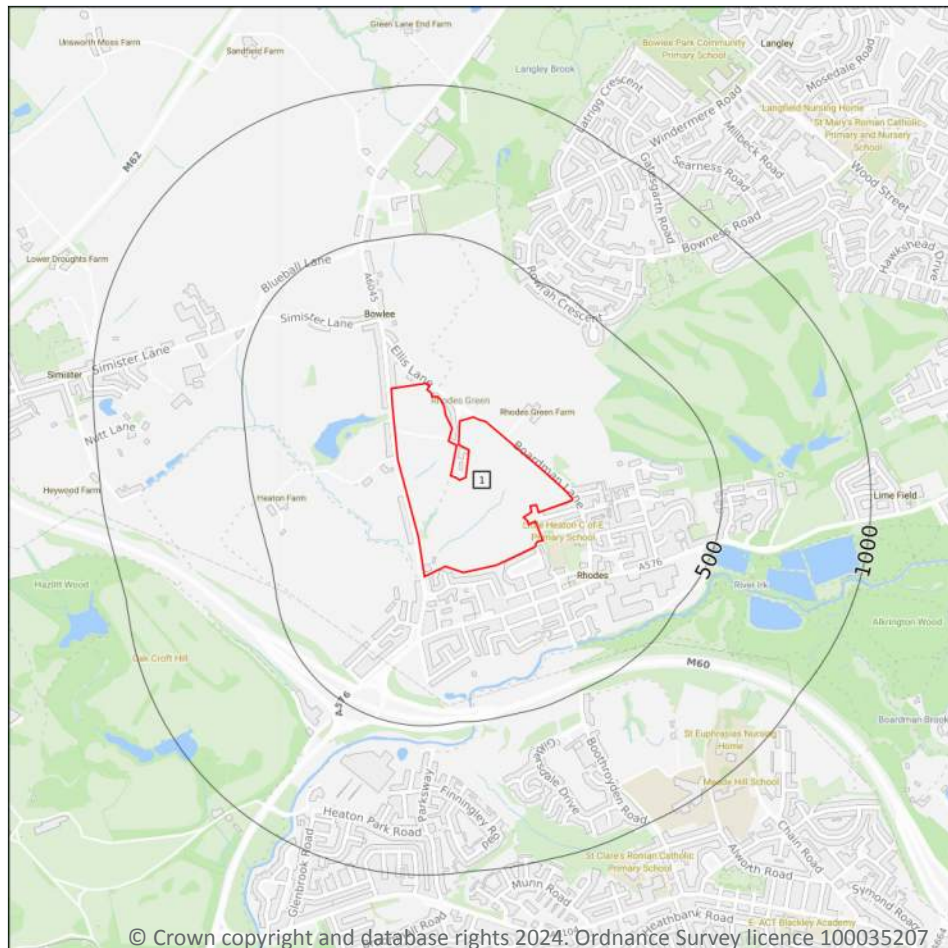


ID	Location	Category	Description
15	286m W	LANDFORM	Drumlin, form-line at base of mound
16	292m N	LANDFORM	Kettle hole; closed hollow
18	305m S	FAULT	Normal fault, inferred; crossmarks on downthrow side
20	379m N	LANDFORM	Kettle hole; closed hollow
22	408m SE	FAULT	Normal fault, inferred; crossmarks on downthrow side
23	438m N	LANDFORM	Kettle hole; closed hollow
25	449m NE	FAULT	Normal fault, inferred; crossmarks on downthrow side
26	452m NE	ROCK	Coal seam, inferred

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 101](#) >

ID	Location	Artificial	Superficial	Bedrock	Mass movement	Sheet No.
1	On site	No coverage	Full	Full	No coverage	EW085_manchester_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)

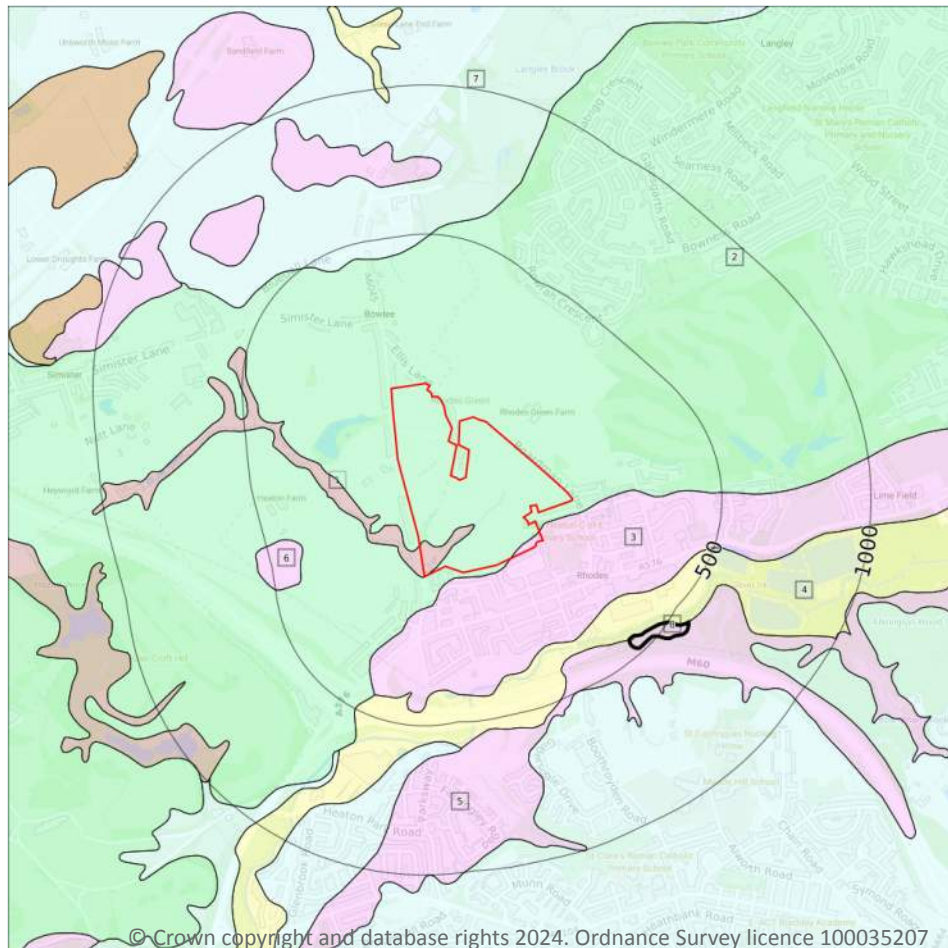
Records within 50m

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

7

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 103](#) >

ID	Location	LEX Code	Description	Rock description
1	On site	HEAD-XCZSV	HEAD	CLAY, SILT, SAND AND GRAVEL
2	On site	HMGDD-XSV	HUMMOCKY (MOUNDY) GLACIAL DEPOSITS, DEVENSIAN	SAND AND GRAVEL
3	On site	GFSDD-XSV	GLACIOFLUVIAL SHEET DEPOSITS, DEVENSIAN	SAND AND GRAVEL



ID	Location	LEX Code	Description	Rock description
4	304m SE	ALV-XCZSV	ALLUVIUM	CLAY, SILT, SAND AND GRAVEL
5	383m SE	GFSDD-XSV	GLACIOFLUVIAL SHEET DEPOSITS, DEVENSIAN	SAND AND GRAVEL
6	385m W	GFDUD-XSV	GLACIOFLUVIAL DEPOSITS, DEVENSIAN	SAND AND GRAVEL
7	434m NW	TILLD-DMTN	TILL, DEVENSIAN	DIAMICTON

This data is sourced from the British Geological Survey.

15.5 Superficial permeability (50k)

Records within 50m	5
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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	Intergranular	Very High	High
On site	Intergranular	Very High	High
On site	Mixed	High	Very Low
On site	Intergranular	Very High	High
13m SE	Intergranular	Very High	High

This data is sourced from the British Geological Survey.

15.6 Landslip (50k)

Records within 500m	1
----------------------------	----------

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.

Features are displayed on the Geology 1:50,000 scale - Superficial map on [page 103 >](#)

ID	Location	LEX Code	Description	Rock description
8	440m SE	SLIP-UNKNOWN	LANDSLIDE DEPOSITS	UNKNOWN/UNCLASSIFIED ENTRY

This data is sourced from the British Geological Survey.



15.7 Landslip permeability (50k)

Records within 50m

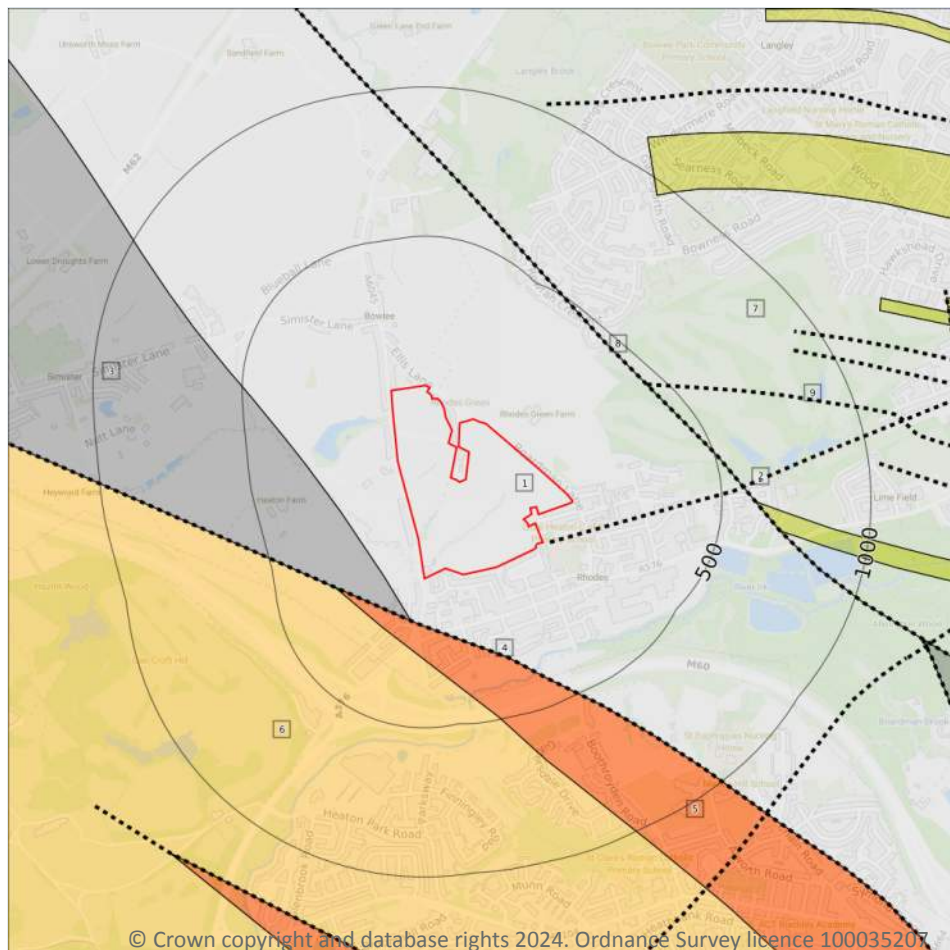
0

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 106 >](#)

ID	Location	LEX Code	Description	Rock age
1	On site	PLCM-MDSS	PENNINE LOWER COAL MEASURES FORMATION - MUDSTONE, SILTSTONE AND SANDSTONE	WESTPHALIAN
3	112m SW	PMCM-MDSS	PENNINE MIDDLE COAL MEASURES FORMATION - MUDSTONE, SILTSTONE AND SANDSTONE	WESTPHALIAN
5	148m SW	MM-MDST	MANCHESTER MARLS FORMATION - MUDSTONE	-



ID	Location	LEX Code	Description	Rock age
6	216m SW	CHES-SDST	CHESTER FORMATION - SANDSTONE	OLENEKIAN
7	448m NE	PLCM-MDSS	PENNINE LOWER COAL MEASURES FORMATION - MUDSTONE, SILTSTONE AND SANDSTONE	WESTPHALIAN

This data is sourced from the British Geological Survey.

15.9 Bedrock 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 bedrock (the zone between the land surface and the water table).

Location	Flow type	Maximum permeability	Minimum permeability
On site	Fracture	Moderate	Low
On site	Fracture	Moderate	Low

This data is sourced from the British Geological Survey.

15.10 Bedrock faults and other linear features (50k)

Records within 500m

4

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.

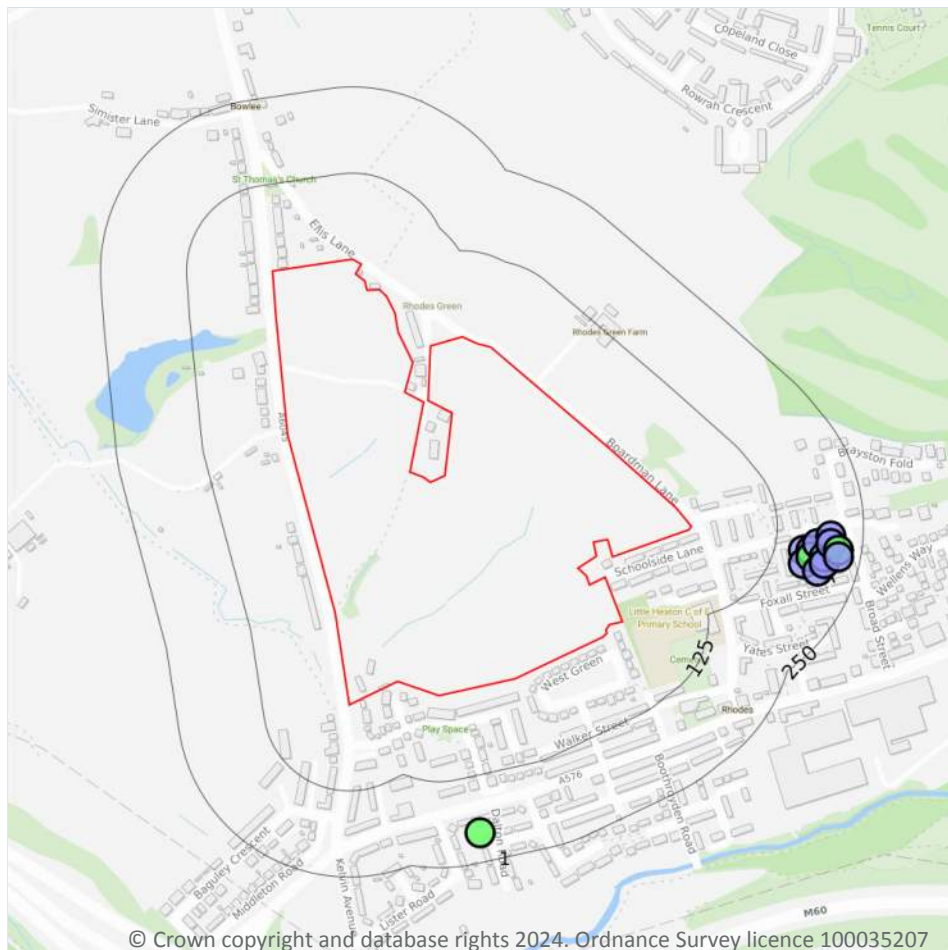
Features are displayed on the Geology 1:50,000 scale - Bedrock map on [page 106 >](#)

ID	Location	Category	Description
2	13m SE	LANDFORM	Approximate margin of buried (superficial deposit-filled) channel or valley
4	148m SW	FAULT	Fault, inferred
8	448m NE	FAULT	Fault, inferred
9	453m NE	ROCK	Coal seam, inferred

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

13

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 108](#) >

ID	Location	Grid reference	Name	Length	Confidential	Web link
A	167m E	385250 405490	LITTLE HEATON SCHOOL MIDDLETON TP8	1.0	N	27164 ↗
A	172m E	385250 405470	LITTLE HEATON SCHOOL MIDDLETON TP4	3.2	N	27160 ↗
A	177m E	385260 405490	LITTLE HEATON SCHOOL MIDDLETON TP7	3.5	N	27163 ↗

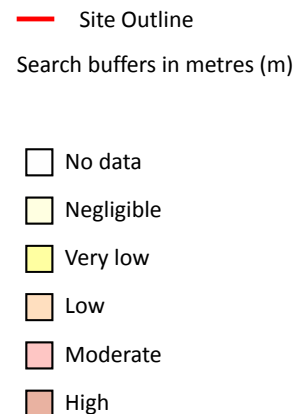


ID	Location	Grid reference	Name	Length	Confidential	Web link
A	179m E	385260 405480	LITTLE HEATON SCHOOL MIDDLETON 1	12.0	N	27155 ↗
A	185m E	385270 405500	LITTLE HEATON SCHOOL MIDDLETON TP9	1.6	N	27165 ↗
A	194m E	385270 405460	LITTLE HEATON SCHOOL MIDDLETON TP3	3.0	N	27159 ↗
A	198m E	385280 405480	LITTLE HEATON SCHOOL MIDDLETON TP5	3.0	N	27161 ↗
A	201m E	385280 405470	LITTLE HEATON SCHOOL MIDDLETON TP2	3.7	N	27158 ↗
A	204m E	385290 405510	LITTLE HEATON SCHOOL MIDDLETON TP10	1.2	N	27166 ↗
A	205m E	385290 405500	LITTLE HEATON SCHOOL MIDDLETON TP6	3.5	N	27162 ↗
1	207m S	384780 405080	RHODES MIDDLETON	18.29	N	27213 ↗
A	216m E	385300 405490	LITTLE HEATON SCHOOL MIDDLETON 2	12.0	N	27156 ↗
A	218m E	385300 405480	LITTLE HEATON SCHOOL MIDDLETON TP1	3.6	N	27157 ↗

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).

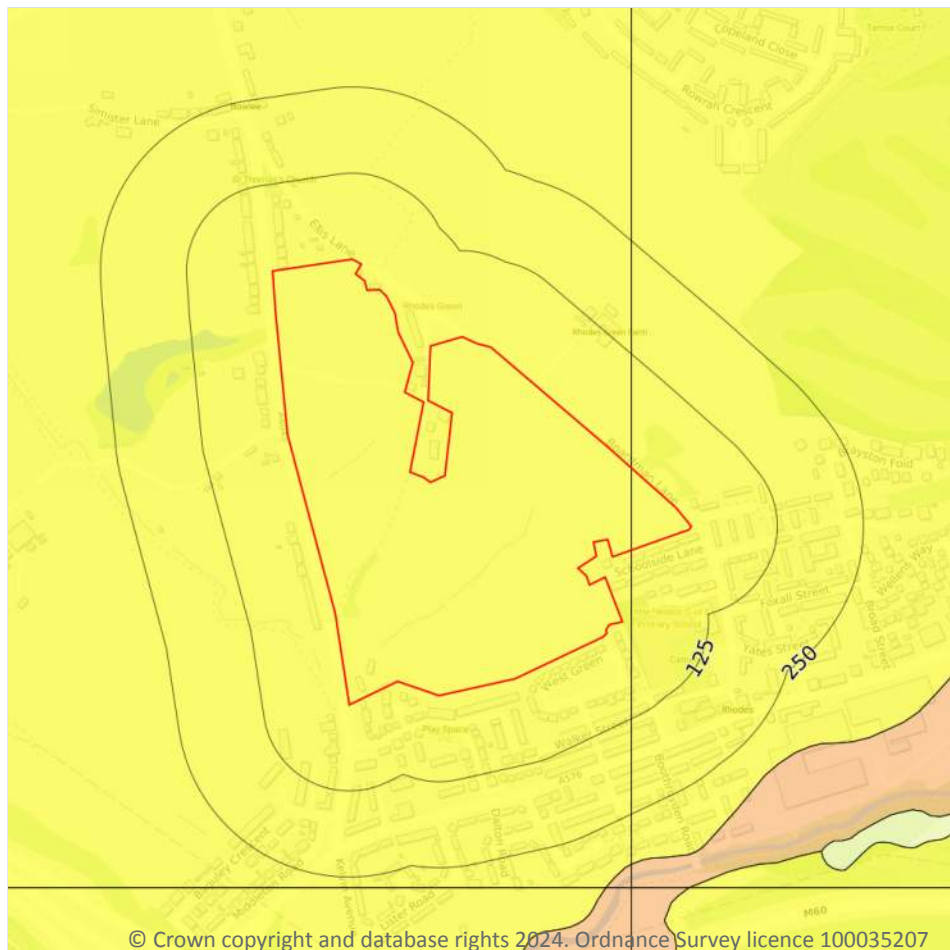
Features are displayed on the Natural ground subsidence - Shrink swell clays map on [page 110 >](#)

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



- Site Outline
- Search buffers in metres (m)
- ☐ No data
 - ☐ Negligible
 - ☐ Very low
 - ☐ Low
 - ☐ Moderate
 - ☐ High

17.2 Running sands

Records within 50m

1

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.

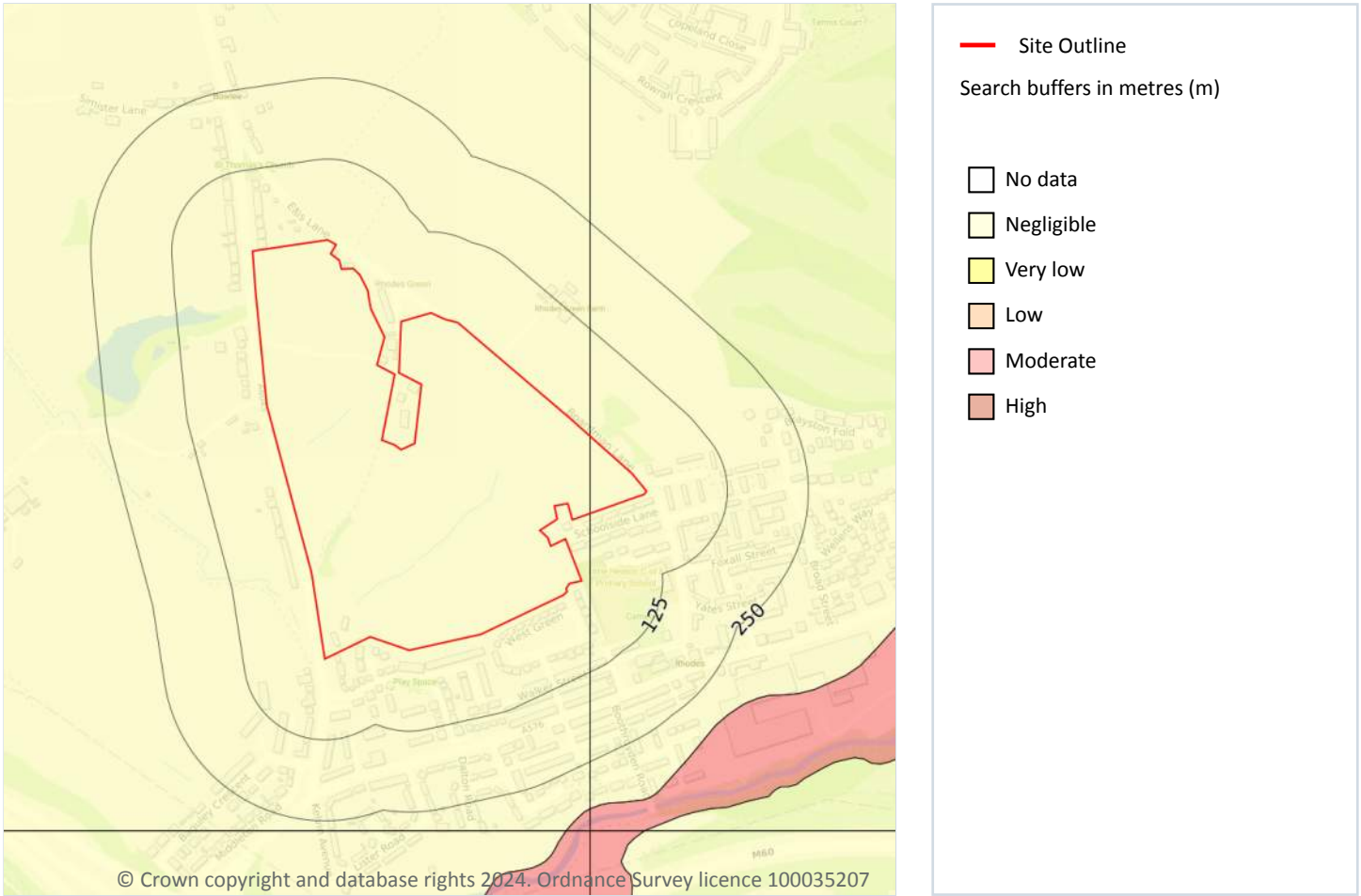
Features are displayed on the Natural ground subsidence - Running sands map on [page 111](#) >

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



17.3 Compressible deposits

Records within 50m 1

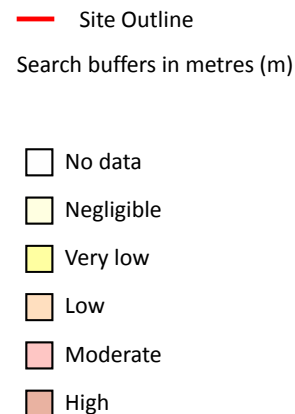
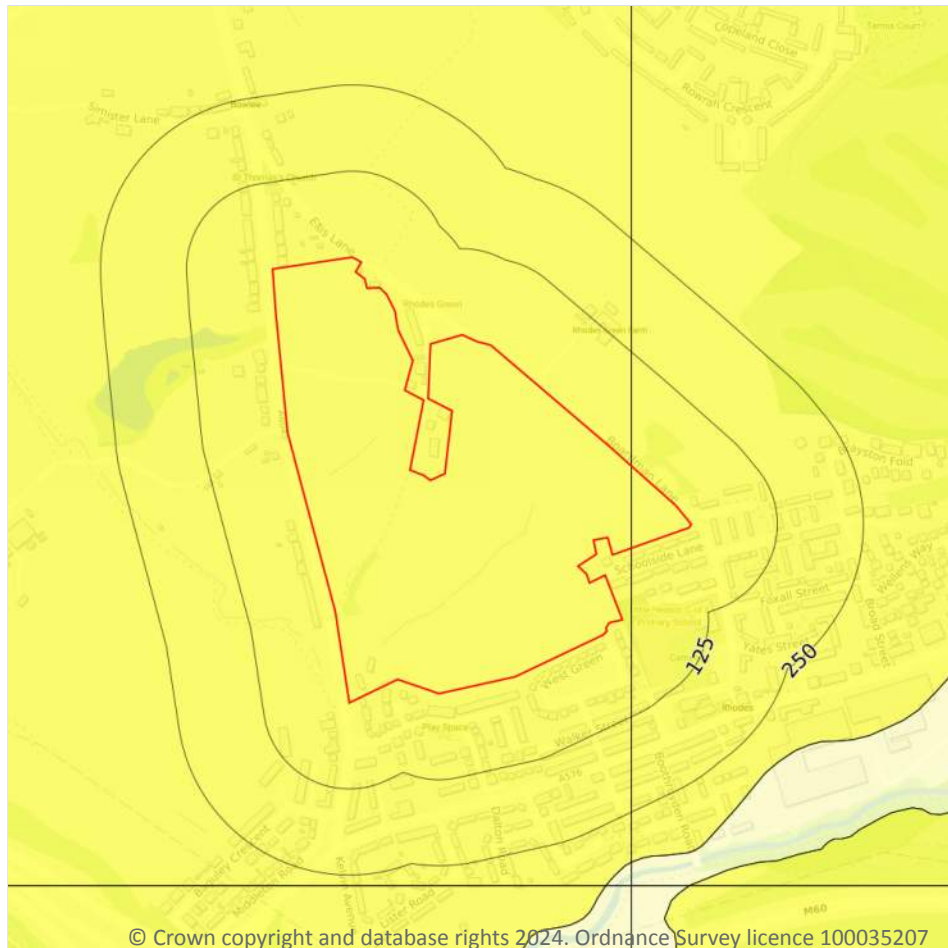
The potential hazard presented by types of ground that may contain layers of very soft materials like clay or peat and may compress if loaded by overlying structures, or if the groundwater level changes, potentially resulting in depression of the ground and disturbance of foundations.

Features are displayed on the Natural ground subsidence - Compressible deposits map on [page 112 >](#)

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.

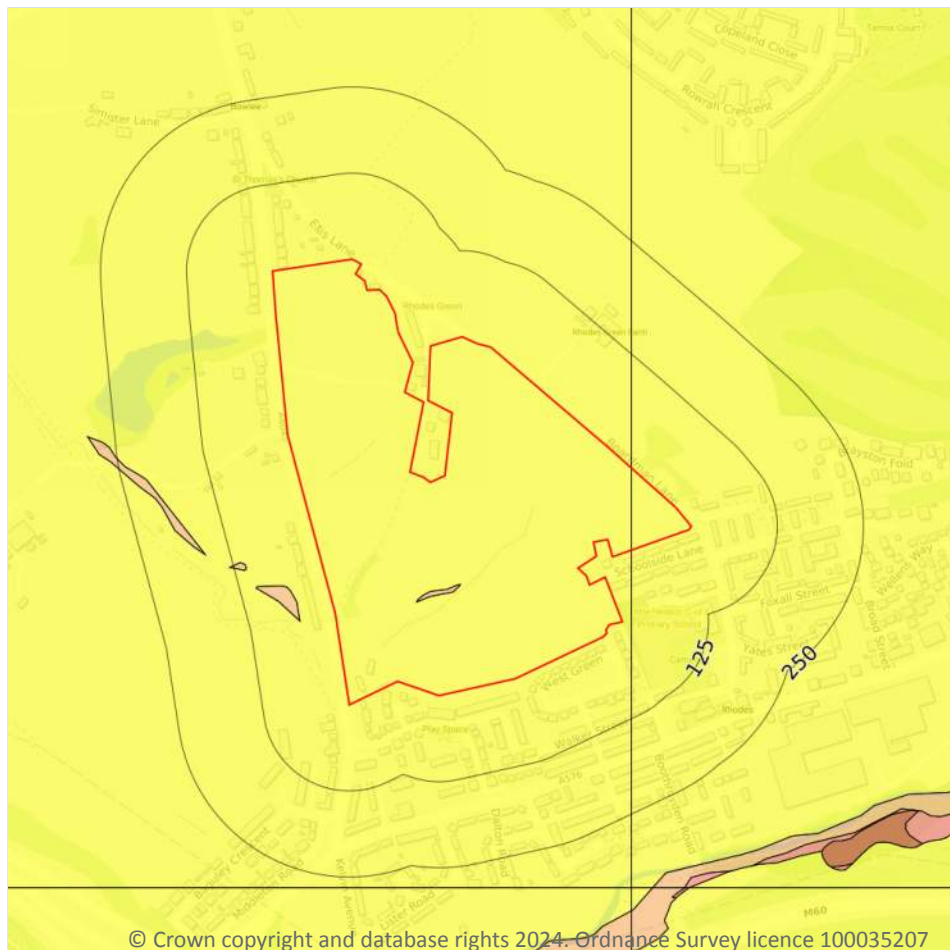
Features are displayed on the Natural ground subsidence - Collapsible deposits map on [page 113](#) >

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

3

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 114](#) >

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.

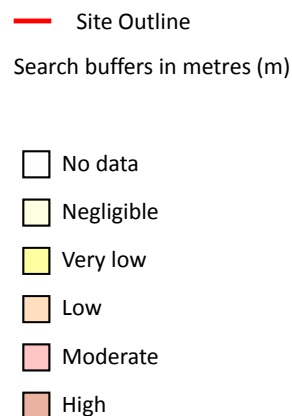


Location	Hazard rating	Details
On site	Low	Slope instability problems may be present or anticipated. Site investigation should consider specifically the slope stability of the site.
50m SW	Low	Slope instability problems may be present or anticipated. Site investigation should consider specifically the 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

1

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 116](#) >

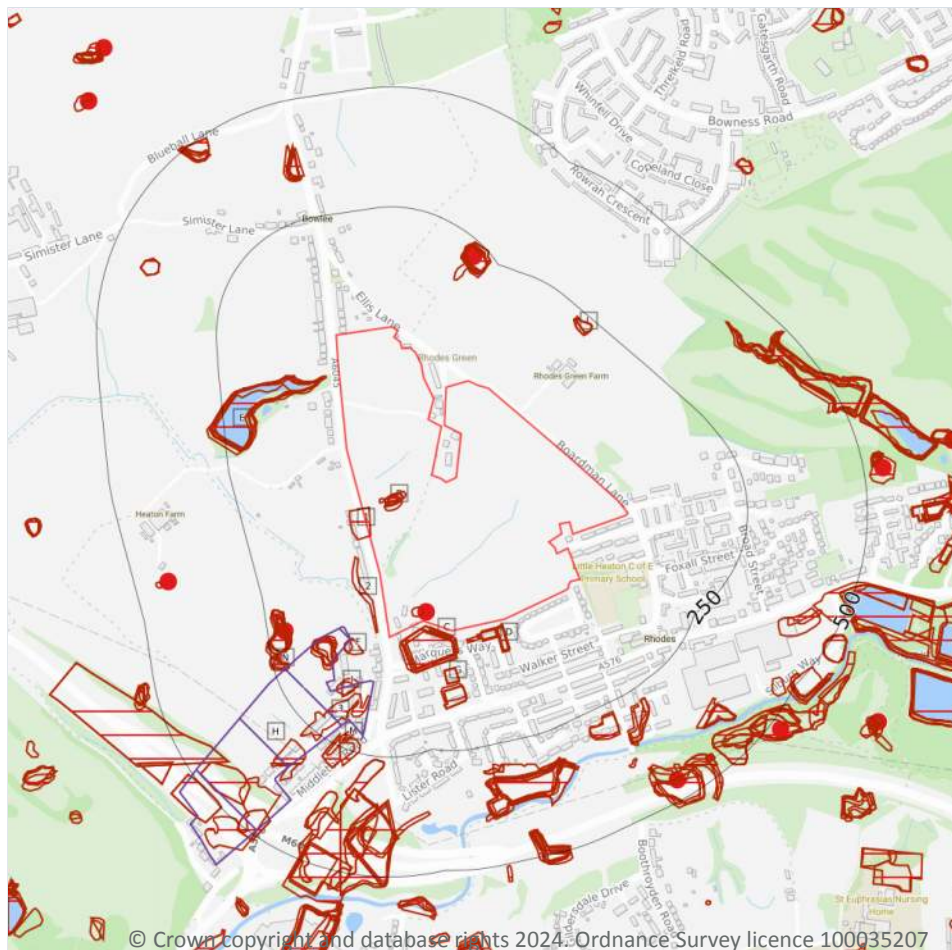
Location	Hazard rating	Details
On site	Negligible	Soluble rocks are either not thought to be present within the ground, or not prone to dissolution. Dissolution features are unlikely to be present.



This data is sourced from the British Geological Survey.



18 Mining and ground workings



- Site Outline
- Search buffers in metres (m)
- BritPits
- Surface ground workings
- Underground workings
- Underground mining extents
- Historical mineral planning areas
- TCA non-coal mining
- 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 BritPits

Records within 500m

5

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 and ground workings map on [page 118](#) >



ID	Location	Details	Description
A	On site	Name: Hanging Birch Sand Pit Address: Simister, MIDDLETON, Lancashire Commodity: Sand Status: Ceased	Type: A surface mineral working. It may be termed Quarry, Sand Pit, Clay Pit or Opencast Coal Site 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
K	214m SW	Name: Old Hall Sand Pit Address: Simister, MIDDLETON, Lancashire Commodity: Sand Status: Ceased	Type: A surface mineral working. It may be termed Quarry, Sand Pit, Clay Pit or Opencast Coal Site 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
J	221m N	Name: Rhodes Sand Pit Address: Rhodes, MIDDLETON, Lancashire Commodity: Sand Status: Ceased	Type: A surface mineral working. It may be termed Quarry, Sand Pit, Clay Pit or Opencast Coal Site 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
AF	429m W	Name: Old Hall Gravel Pit Address: Rhodes, MIDDLETON, Lancashire Commodity: Sand & Gravel Status: Ceased	Type: A surface mineral working. It may be termed Quarry, Sand Pit, Clay Pit or Opencast Coal Site 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
AC	458m SE	Name: Rhodes Sand Pit Address: Rhodes, Middleton, MANCHESTER, Lancashire Commodity: Sand Status: Ceased	Type: A surface mineral working. It may be termed Quarry, Sand Pit, Clay Pit or Opencast Coal Site 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.

18.2 Surface ground workings

Records within 250m

97

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 and ground workings map on [page 118 >](#)



ID	Location	Land Use	Year of mapping	Mapping scale
1	On site	Cuttings	1932	1:10560
A	On site	Sand Pit	1848	1:10560
B	On site	Unspecified Pit	1938	1:10560
B	On site	Unspecified Pit	1923	1:10560
B	On site	Unspecified Pit	1932	1:10560
B	On site	Unspecified Pit	1915	1:10560
B	On site	Unspecified Pit	1907	1:10560
B	On site	Old Sand Pit	1891	1:10560
B	On site	Sand Pit	1848	1:10560
B	On site	Unspecified Pit	1955	1:10560
C	8m S	Pond	1932	1:10560
C	8m S	Pond	1915	1:10560
C	8m S	Pond	1907	1:10560
C	8m S	Pond	1923	1:10560
C	9m S	Pond	1965	1:10560
C	9m S	Reservoir	1955	1:10560
D	10m S	Reservoir	1891	1:10560
D	10m S	Reservoir	1938	1:10560
D	12m S	Pond	1932	1:10560
D	12m S	Pond	1907	1:10560
D	12m S	Pond	1923	1:10560
C	13m S	Reservoir	1938	1:10560
C	13m S	Reservoir	1932	1:10560
C	13m S	Reservoir	1915	1:10560
C	13m S	Reservoir	1907	1:10560
C	13m S	Reservoir	1923	1:10560
D	13m S	Pond	1907	1:10560
D	16m S	Ponds	1915	1:10560



ID	Location	Land Use	Year of mapping	Mapping scale
C	20m S	Reservoir	1891	1:10560
2	23m SW	Unspecified Ground Workings	1932	1:10560
E	28m NW	Reservoir	1955	1:10560
E	36m NW	Reservoir	1932	1:10560
E	36m NW	Reservoir	1938	1:10560
E	37m NW	Reservoir	1915	1:10560
E	37m NW	Reservoir	1907	1:10560
E	37m NW	Reservoir	1923	1:10560
E	48m NW	Reservoir	1974	1:10000
E	48m NW	Pond	1965	1:10560
E	49m NW	Reservoir	1981	1:10000
F	63m SW	Unspecified Pit	1965	1:10560
G	78m S	Ponds	1932	1:10560
G	78m S	Ponds	1915	1:10560
G	78m S	Ponds	1907	1:10560
G	78m S	Ponds	1923	1:10560
F	81m SW	Unspecified Pit	1974	1:10000
E	100m NW	Reservoir	1891	1:10560
G	110m S	Ponds	1938	1:10560
F	111m SW	Unspecified Pit	1955	1:10560
F	112m SW	Unspecified Pit	1981	1:10000
F	112m SW	Unspecified Pit	1974	1:10000
F	112m SW	Unspecified Pit	1965	1:10560
I	114m SW	Unspecified Pit	1955	1:10560
G	116m S	Ponds	1932	1:10560
G	116m S	Ponds	1915	1:10560
G	116m S	Ponds	1907	1:10560
G	116m S	Ponds	1923	1:10560



ID	Location	Land Use	Year of mapping	Mapping scale
F	118m SW	Unspecified Pit	1923	1:10560
F	118m SW	Unspecified Pit	1915	1:10560
F	118m SW	Unspecified Pit	1907	1:10560
F	119m SW	Unspecified Pit	1938	1:10560
F	119m SW	Unspecified Pit	1932	1:10560
F	122m SW	Unspecified Pit	1891	1:10560
I	125m SW	Pond	1932	1:10560
3	131m SW	Refuse Heap	1965	1:10560
J	158m N	Ponds	1932	1:10560
J	193m N	Old Sand Pit	1891	1:10560
J	196m N	Pond	1938	1:10560
J	198m N	Unspecified Pit	1923	1:10560
J	198m N	Unspecified Pit	1907	1:10560
J	198m N	Pond	1915	1:10560
K	201m SW	Unspecified Pit	1955	1:10560
J	202m N	Unspecified Pit	1981	1:10000
J	202m N	Unspecified Pit	1974	1:10000
J	206m N	Unspecified Pit	1965	1:10560
J	206m N	Unspecified Pit	1955	1:10560
K	206m SW	Unspecified Pit	1981	1:10000
K	206m SW	Unspecified Pit	1974	1:10000
K	206m SW	Unspecified Pit	1965	1:10560
K	211m SW	Unspecified Pit	1923	1:10560
K	211m SW	Unspecified Pit	1915	1:10560
K	211m SW	Unspecified Pit	1907	1:10560
K	211m SW	Unspecified Pit	1938	1:10560
K	211m SW	Unspecified Pit	1932	1:10560
L	213m NE	Pond	1932	1:10560



ID	Location	Land Use	Year of mapping	Mapping scale
M	213m SW	Refuse Heap	1955	1:10560
L	214m NE	Pond	1938	1:10560
K	215m SW	Old Sand Pit	1891	1:10560
N	217m SW	Ponds	1955	1:10560
L	219m NE	Pond	1915	1:10560
L	219m NE	Pond	1907	1:10560
L	219m NE	Pond	1923	1:10560
N	220m SW	Ponds	1974	1:10000
N	220m SW	Ponds	1965	1:10560
M	224m SW	Refuse Heap	1932	1:10560
N	227m SW	Ponds	1938	1:10560
M	229m SW	Refuse Heap	1938	1:10560
M	229m SW	Refuse Heap	1932	1:10560

This data is sourced from Ordnance Survey/Groundsure.

18.3 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.

18.4 Underground mining extents

Records within 500m

0

This data identifies underground mine workings that could present a potential risk, including adits and seam workings. These features have been identified from BGS Geological mapping and mine plans sourced from the BGS and various collections and sources.

This data is sourced from 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 and ground workings map on [page 118](#) >

ID	Location	Site Name	Mineral	Type	Planning Status	Planning Status Date
H	81m SW	Old Hall Pits	Sand and gravel	Surface mineral working	Valid	09/06/1948

This data is sourced from the British Geological Survey.

18.6 Non-coal mining

Records within 1000m

0

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).

This data is sourced from the British Geological Survey.

18.7 JPB mining areas

Records on site

0

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

This data is sourced from Johnson Poole and Bloomer.

18.8 The Coal Authority non-coal mining

Records within 500m

0

This data provides an indication of the potential zone of influence of recorded underground non-coal mining workings. Any and all analysis and interpretation of Coal Authority Data in this report is made by Groundsure, and is in no way supported, endorsed or authorised by the Coal Authority. The use of the data is restricted to the terms and provisions contained in this report. Data reproduced in this report may be the copyright of the Coal Authority and permission should be sought from Groundsure prior to any re-use.

This data is sourced from The Coal Authority.



18.9 Researched mining

Records within 500m

1

This data indicates areas of potential mining identified from alternative or archival sources, including; BGS Geological paper maps, Lidar data, aerial photographs (from World War II onwards), archaeological data services, websites, Tithe maps, and various text/plans from collected books and reports. Some of this data is approximate and Groundsure have interpreted the resultant risk area and, where possible, specific areas of risk have been captured.

Location	Mineral type
320m SE	Unspecified

This data is sourced from Groundsure.

18.10 Mining record office plans

Records within 500m

0

This dataset is representative of Mining Record Office and/or plan extents held by Groundsure and should be considered approximate. Where possible, plans have been located and any specific areas of risk they depict have been captured.

This data is sourced from Groundsure.

18.11 BGS mine plans

Records within 500m

0

This dataset is representative of BGS mine plans held by Groundsure and should be considered approximate. Where possible, plans have been located and any specific areas of risk they depict have been captured.

This data is sourced from Groundsure.

18.12 Coal mining

Records on site

1

Areas which could be affected by past, current or future coal mining.

Location	Details
On site	The site is located within a coal mining area as defined by the Coal Authority. A Consultants Coal Mining Report is recommended to further assess coal mining issues at the site. This can be ordered directly through Groundsure or your preferred search provider.

This data is sourced from the Coal Authority.



18.13 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.

18.14 Gypsum areas

Records on site	0
-----------------	---

Generalised areas that may be affected by gypsum extraction.

This data is sourced from British Gypsum.

18.15 Tin mining

Records on site	0
-----------------	---

Generalised areas that may be affected by historical tin mining.

This data is sourced from Groundsure.

18.16 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 Ground cavities and sinkholes

19.1 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 Stantec UK Ltd.

19.2 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 Stantec UK Ltd.

19.3 Reported recent incidents

Records within 500m

0

This data identifies sinkhole information gathered from media reports and Groundsure's own records. This data goes back to 2014 and includes relative accuracy ratings for each event and links to the original data sources. The data is updated on a regular basis and should not be considered a comprehensive catalogue of all sinkhole events. The absence of data in this database does not mean a sinkhole definitely has not occurred during this time.

This data is sourced from Groundsure.

19.4 Historical incidents

Records within 500m

0

This dataset comprises an extract of 1:10,560, 1:10,000, 1:2,500 and 1:1,250 scale historical Ordnance Survey maps held by Groundsure, dating back to the 1840s. It shows shakeholes, deneholes and other 'holes' as noted on these maps. Dene holes are medieval chalk extraction pits, usually comprising a narrow shaft with a number of chambers at the base of the shaft. Shakeholes are an alternative name for suffusion sinkholes, most commonly found in the limestone landscapes of North Yorkshire but also extensively noted around the Brecon Beacons National Park.

Not all 'holes' noted on Ordnance Survey mapping will necessarily be present within this dataset.



This data is sourced from Groundsure.

19.5 National karst database

Records within 500m

0

This is a comprehensive database of national karst information gathered from a wide range of sources. BGS have collected data on five main types of karst feature: Sinkholes, stream links, caves, springs, and incidences of associated damage to buildings, roads, bridges and other engineered works.

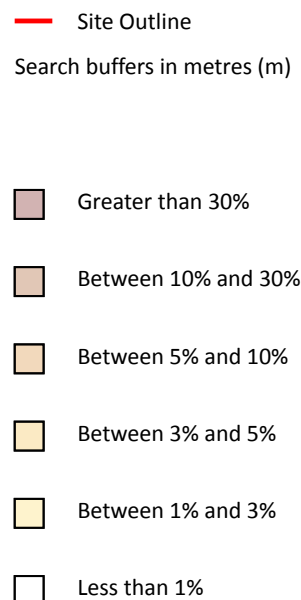
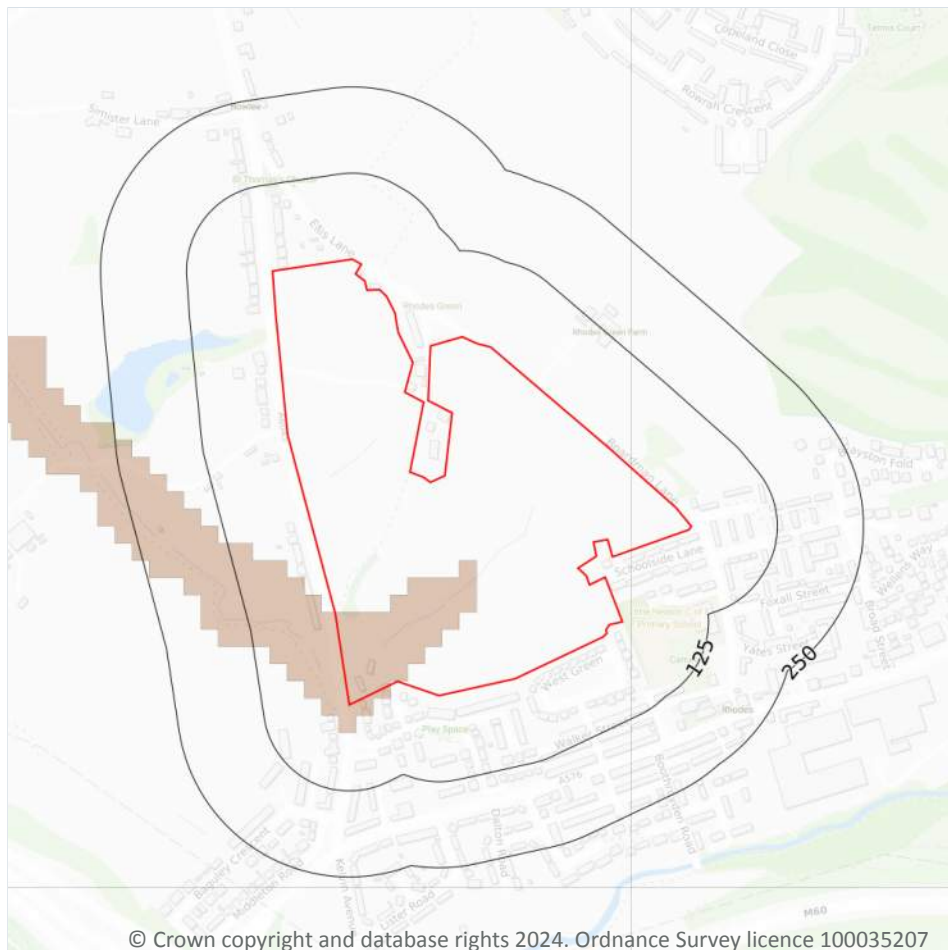
Since the database was set up in 2002 data covering most of the evaporite karst areas of the UK have now been added, along with data covering about 60% of the Chalk, and 35% of the Carboniferous Limestone outcrops. Many of the classic upland karst areas have yet to be included. Recorded so far are: Over 800 caves, 1300 stream sinks, 5600 springs, 10,000 sinkholes.

The database is not yet complete, and not all records have been verified. The absence of data does not mean that karst features are not present at a site. A reliability rating is included with each record.

This data is sourced from the British Geological Survey.



20 Radon



20.1 Radon

Records on site

2

The Radon Potential data classifies areas based on their likelihood of a property having a radon level at or above the Action Level in Great Britain. The dataset is intended for use at 1:50,000 scale and was derived from both geological assessments and indoor radon measurements (more than 560,000 records). A minimum 50m buffer should be considered when searching the maps, as the smallest detectable feature at this scale is 50m. The findings of this section should supersede any estimations derived from the Indicative Atlas of Radon in Great Britain (1:100,000 scale).

Features are displayed on the Radon map on [page 129](#) >

Location	Estimated properties affected	Radon Protection Measures required
On site	Between 10% and 30%	Full



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

This data is sourced from the British Geological Survey and UK Health Security Agency.



21 Soil chemistry

21.1 BGS Estimated Background Soil Chemistry

Records within 50m

11

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	25 - 35 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	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	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
13m SE	25 - 35 mg/kg	No data	100 mg/kg	60 mg/kg	1.8 mg/kg	60 - 90 mg/kg	15 - 30 mg/kg
13m SE	25 - 35 mg/kg	No data	100 mg/kg	60 mg/kg	1.8 mg/kg	60 - 90 mg/kg	15 - 30 mg/kg
41m W	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.



21.2 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.

21.3 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.



22 Railway infrastructure and projects



- Site Outline
- Search buffers in metres (m)
- C1 Crossrail 1 Stations
- Crossrail 1 Route
- C2 Crossrail 2 Stations
- Crossrail 2 Route
- Crossrail 2 Worksites
- Crossrail 2 Safeguarding
- Crossrail 2 Headhouses
- Railway stations
- Active railways
- Active tunnels
- Abandoned railways
- Historic railways
- Historic tunnels
- Underground stations
- Underground Lines
- Royal Mail tunnels
- HS2 optimised route
- HS2 Stations
- HS2 Depots
- HS2 Surface Safeguarding
- HS2 Subsurface Safeguarding

22.1 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.

22.2 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.

22.3 Railway tunnels

Records within 250m

0

Railway tunnels taken from contemporary Ordnance Survey mapping.

This data is sourced from the Ordnance Survey.

22.4 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 133 >](#)

Location	Land Use	Year of mapping	Mapping scale
42m S	Railway Sidings	1932	2500

This data is sourced from Ordnance Survey/Groundsure.

22.5 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.

22.6 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.



22.7 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.

22.8 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.

22.9 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.

22.10 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> ↗.

Terms and conditions

Groundsure's Terms and Conditions can be accessed at this link: www.groundsure.com/terms-and-conditions-april-2023/ ↗.



APPENDIX C – HISTORICAL MAPS

Site Details:

Northern Gateway Eastern
Parcel

Client Ref: 784-B048805
Report Ref: GS-W9L-47U-6VL-FVW
Grid Ref: 384783, 405588

Map Name: County Series

Map date: 1848

Scale: 1:10,560

Printed at: 1:10,560



Surveyed 1845
Revised N/A
Edition 1848
Copyright N/A
Levelled N/A

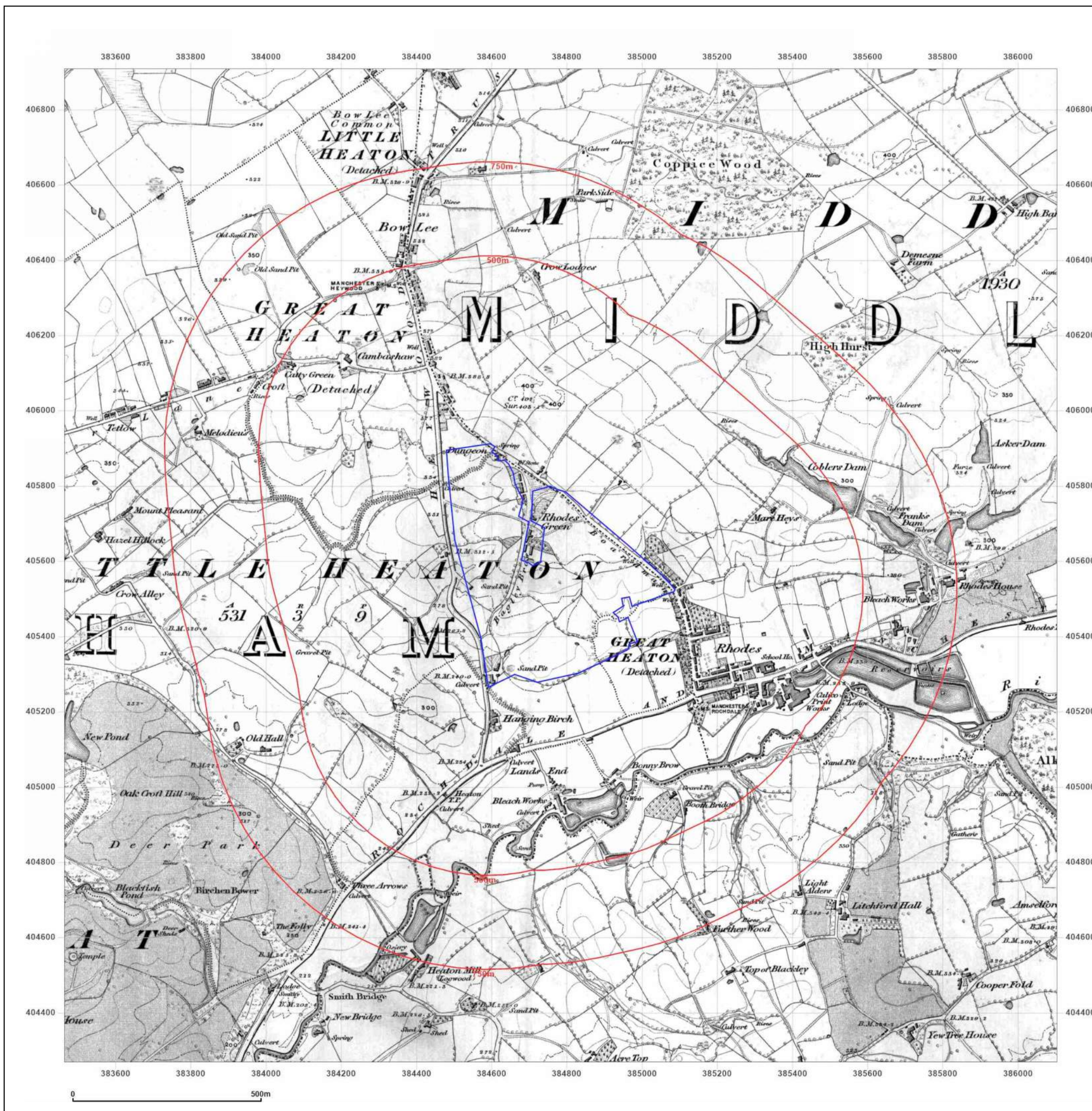


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Production date: 01 July 2024

Map legend available at:
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Site Details:

Northern Gateway Eastern
Parcel

Client Ref: 784-B048805
Report Ref: GS-W9L-47U-6VL-FVW
Grid Ref: 384783, 405588

Map Name: County Series

Map date: 1891

Scale: 1:10,560

Printed at: 1:10,560



Surveyed 1891
Revised 1891
Edition N/A
Copyright N/A
Levelled N/A

Surveyed 1891
Revised 1891
Edition N/A
Copyright N/A
Levelled N/A

Surveyed 1891
Revised 1891
Edition N/A
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Map legend available at:
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Site Details:

Northern Gateway Eastern
Parcel

Client Ref: 784-B048805
Report Ref: GS-W9L-47U-6VL-FVW
Grid Ref: 384783, 405588

Map Name: County Series

Map date: 1906-1907

Scale: 1:10,560

Printed at: 1:10,560



Surveyed 1844
Revised 1907
Edition N/A
Copyright N/A
Levelled N/A

Surveyed 1844
Revised 1907
Edition N/A
Copyright N/A
Levelled N/A

Surveyed 1844
Revised 1907
Edition N/A
Copyright N/A
Levelled N/A

Surveyed 1844
Revised 1906
Edition N/A
Copyright N/A
Levelled N/A

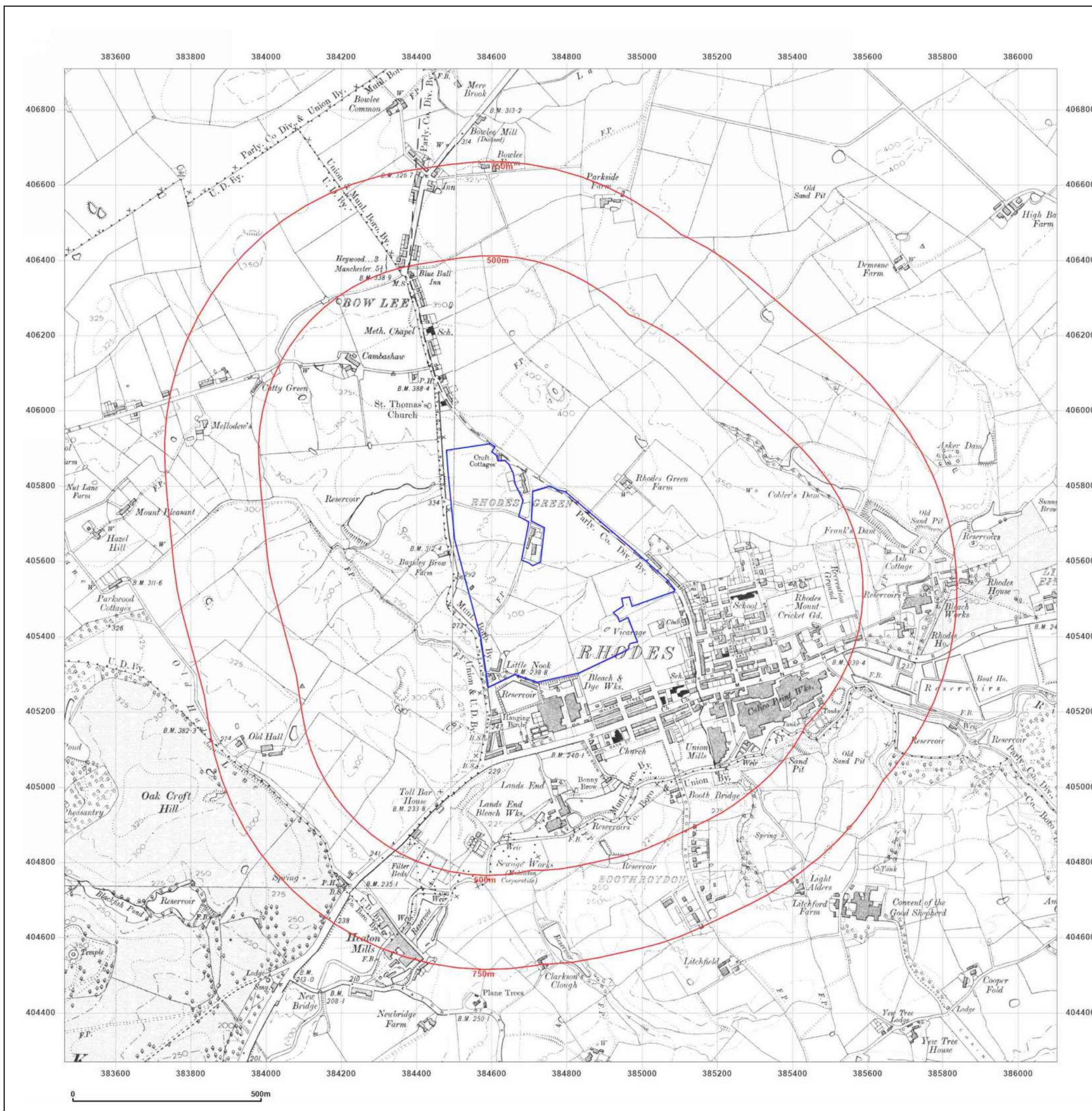


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Site Details:

Northern Gateway Eastern
Parcel

Client Ref: 784-B048805
Report Ref: GS-W9L-47U-6VL-FVW
Grid Ref: 384783, 405588

Map Name: County Series

Map date: 1915

Scale: 1:10,560

Printed at: 1:10,560



Surveyed 1844
Revised 1915
Edition N/A
Copyright N/A
Levelled N/A

Surveyed 1844
Revised 1915
Edition N/A
Copyright N/A
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Surveyed 1844
Revised 1915
Edition N/A
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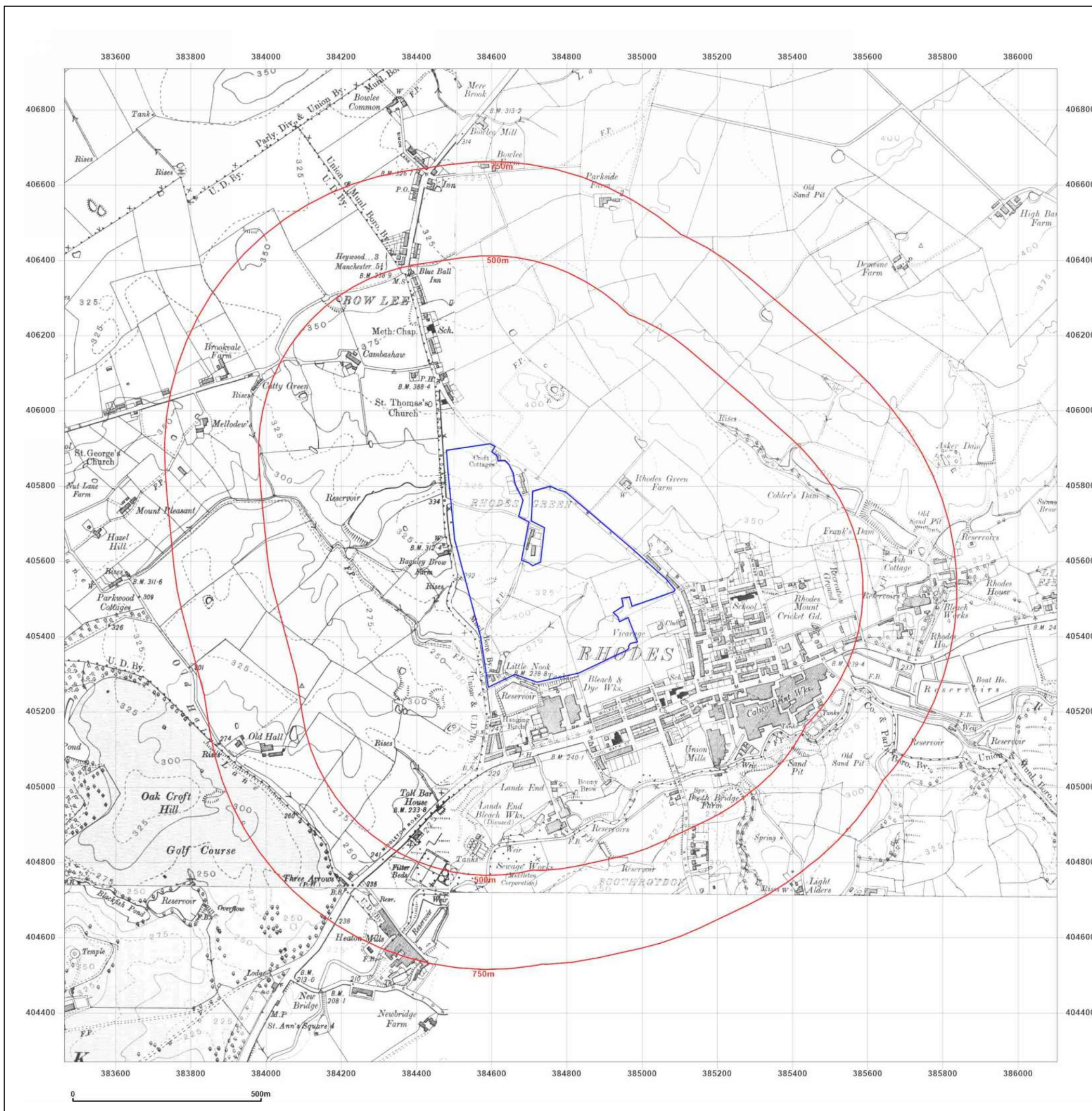


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Site Details:

Northern Gateway Eastern
Parcel

Client Ref: 784-B048805
Report Ref: GS-W9L-47U-6VL-FVW
Grid Ref: 384783, 405588

Map Name: County Series

Map date: 1923

Scale: 1:10,560

Printed at: 1:10,560



Surveyed 1844
Revised 1923
Edition N/A
Copyright N/A
Levelled N/A

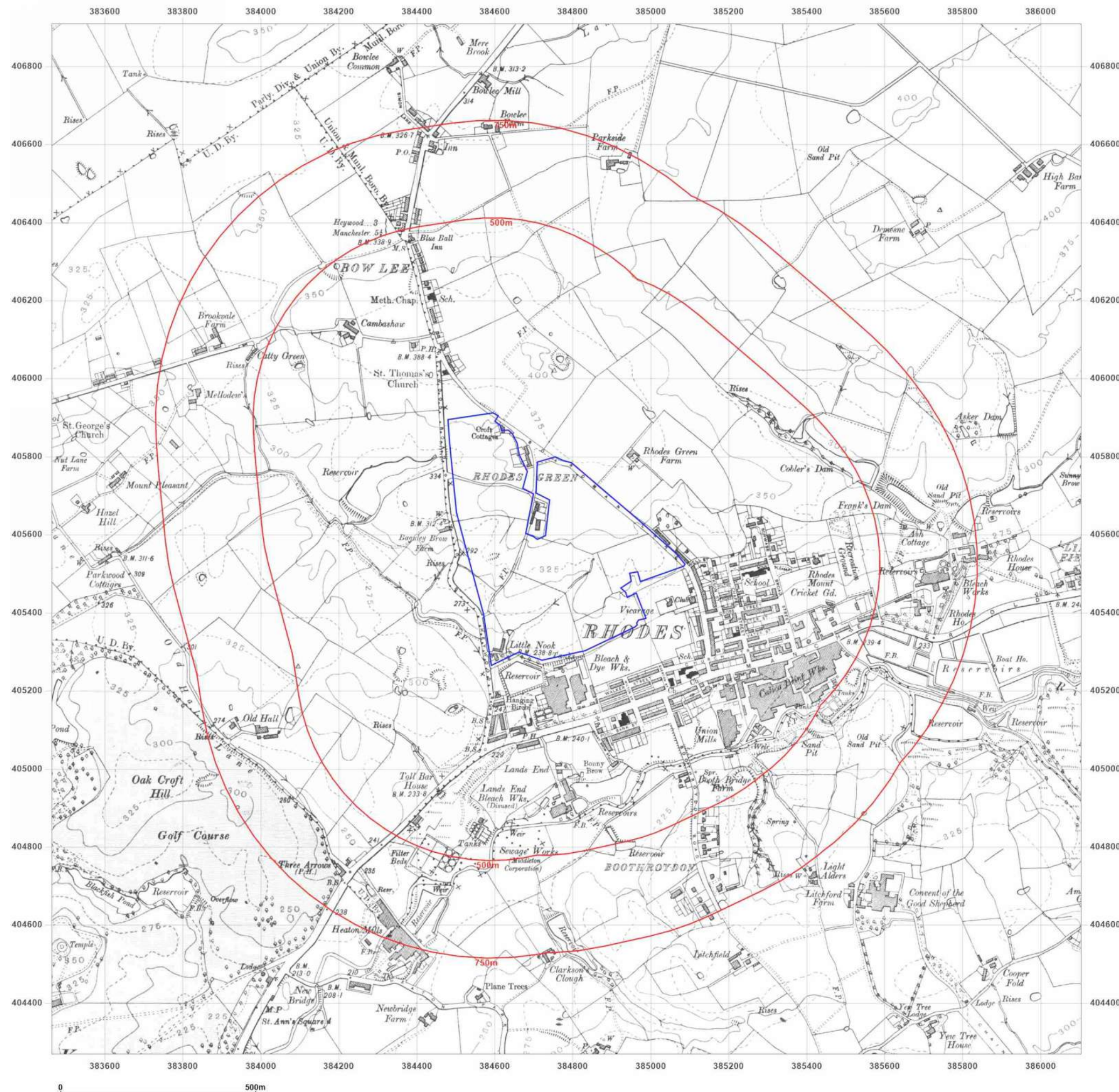


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Site Details:

Northern Gateway Eastern
Parcel

Client Ref: 784-B048805
Report Ref: GS-W9L-47U-6VL-FVW
Grid Ref: 384783, 405588

Map Name: County Series

Map date: 1932

Scale: 1:10,560

Printed at: 1:10,560



Surveyed 1844
Revised 1932
Edition N/A
Copyright N/A
Levelled N/A

Surveyed 1844
Revised 1932
Edition N/A
Copyright N/A
Levelled N/A

Surveyed 1844
Revised 1932
Edition N/A
Copyright N/A
Levelled N/A

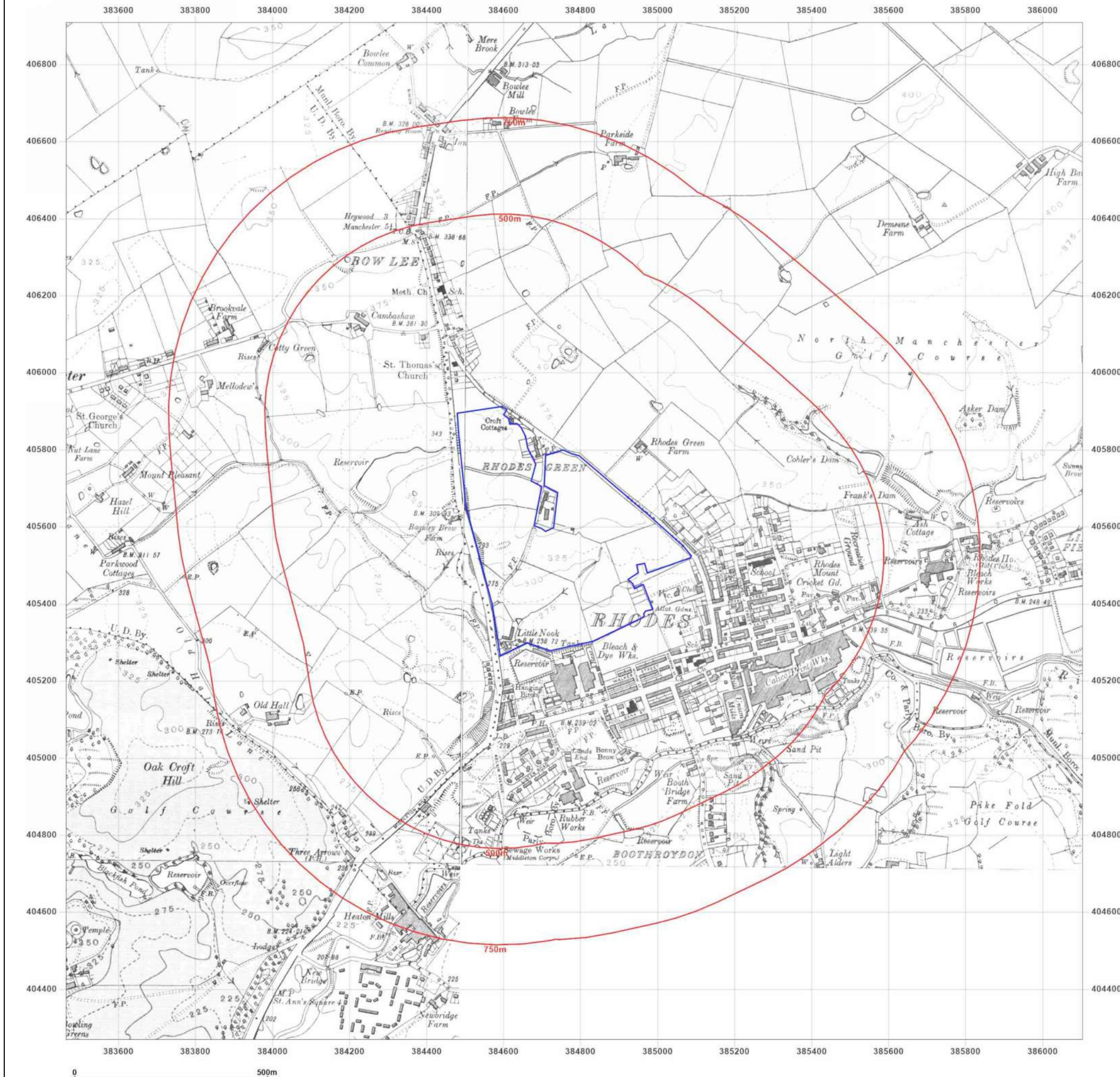


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Site Details:

Northern Gateway Eastern
Parcel

Client Ref: 784-B048805
Report Ref: GS-W9L-47U-6VL-FVW
Grid Ref: 384783, 405588

Map Name: County Series

Map date: 1933-1938

Scale: 1:10,560

Printed at: 1:10,560



Surveyed 1844
Revised 1938
Edition N/A
Copyright N/A
Levelled N/A

Surveyed 1844
Revised 1938
Edition N/A
Copyright N/A
Levelled N/A

Surveyed 1844
Revised 1933
Edition N/A
Copyright N/A
Levelled N/A

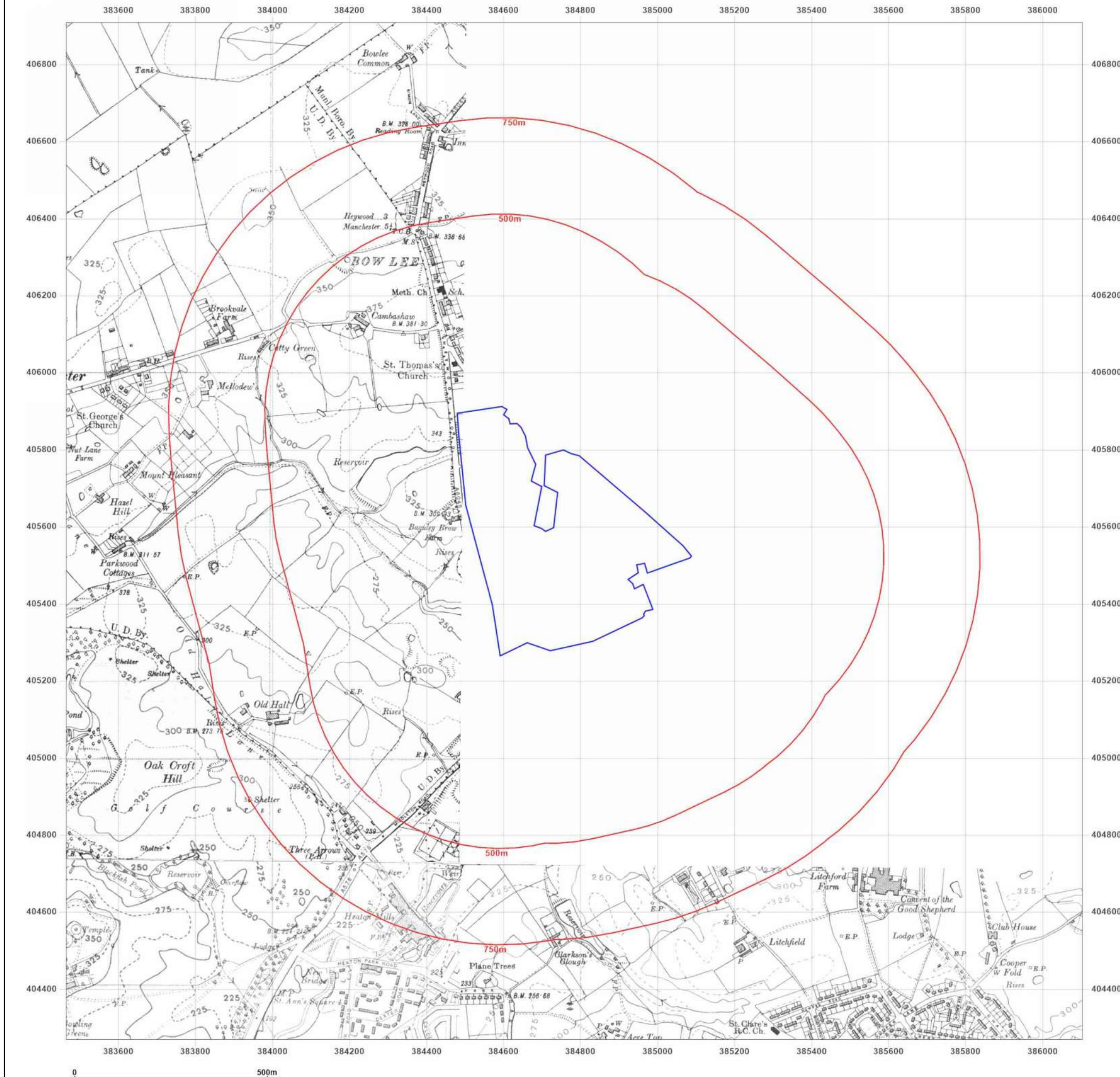


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Site Details:

Northern Gateway Eastern Parcel

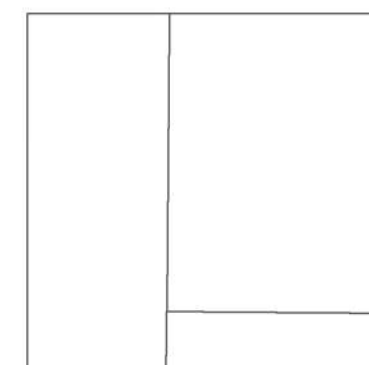
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Report Ref: GS-W9L-47U-6VL-FVW
Grid Ref: 384783, 405588

Map Name: County Series

Map date: 1938

Scale: 1:10,560

Printed at: 1:10,560



Surveyed 1844
 Revised 1938
 Edition N/A
 Copyright N/A
 Levelled N/A

Surveyed 1844
 Revised 1938
 Edition N/A
 Copyright N/A
 Levelled N/A

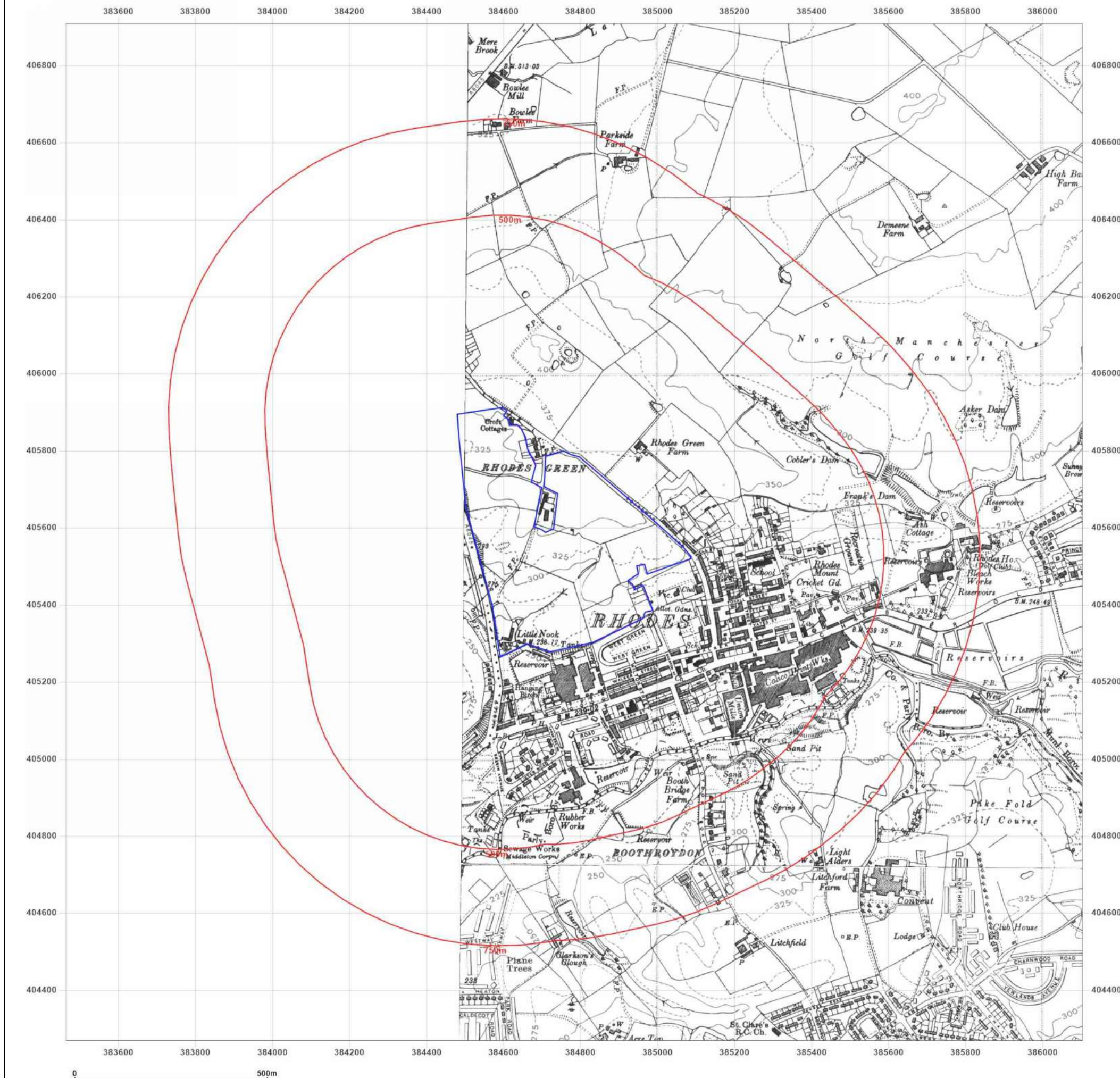


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Site Details:

Northern Gateway Eastern
Parcel

Client Ref: 784-B048805
Report Ref: GS-W9L-47U-6VL-FVW
Grid Ref: 384783, 405588

Map Name: Provisional

Map date: 1955-1956

Scale: 1:10,560

Printed at: 1:10,560



Surveyed 1949
Revised 1955
Edition 1955
Copyright N/A
Levelled N/A

Surveyed N/A
Revised 1955
Edition N/A
Copyright N/A
Levelled N/A

Surveyed 1956
Revised 1956
Edition N/A
Copyright N/A
Levelled N/A

Surveyed 1956
Revised 1956
Edition N/A
Copyright N/A
Levelled N/A

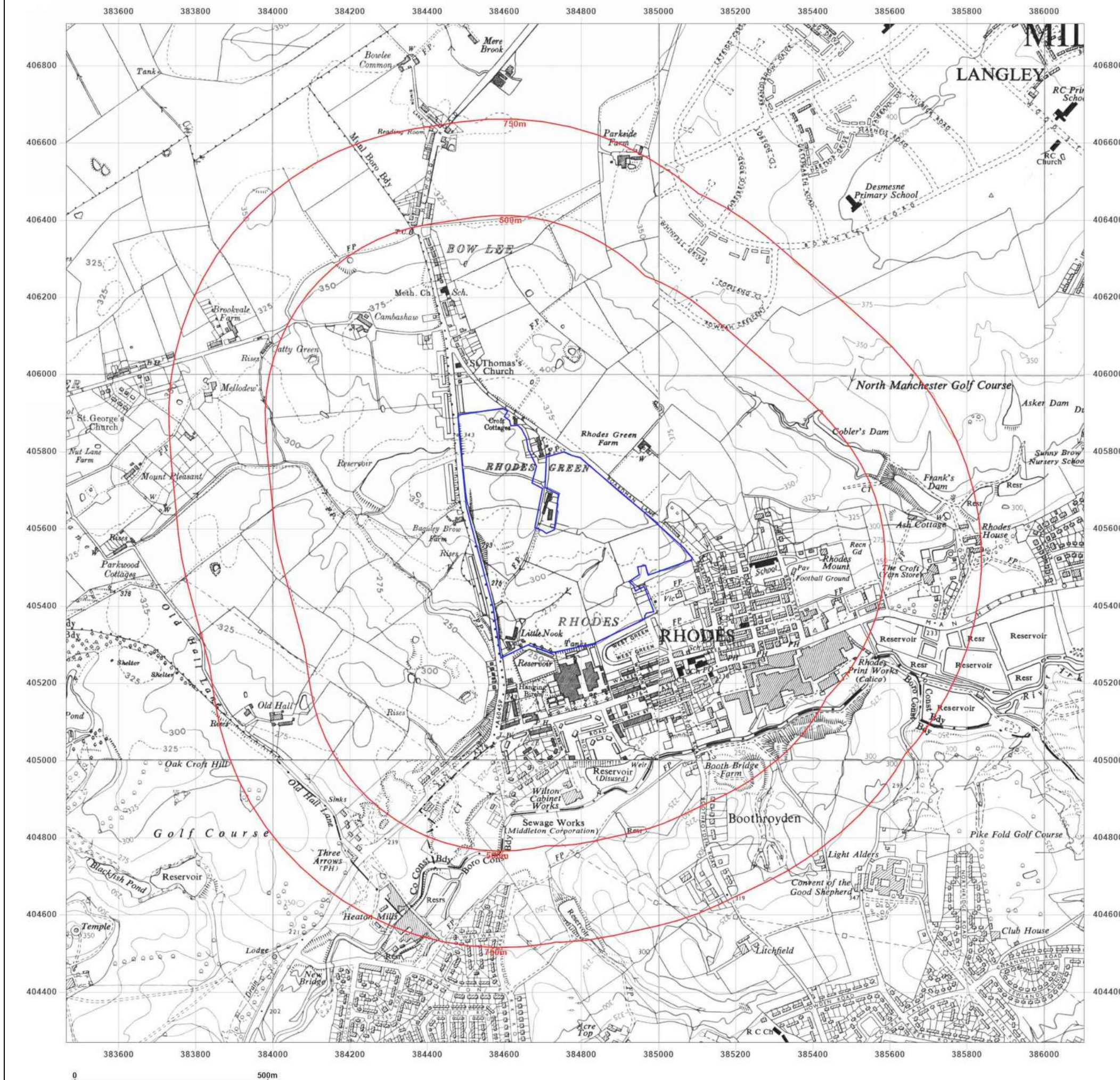


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Site Details:

Northern Gateway Eastern
Parcel

Client Ref: 784-B048805
Report Ref: GS-W9L-47U-6VL-FVW
Grid Ref: 384783, 405588

Map Name: National Grid

Map date: 1974-1977

Scale: 1:10,000

Printed at: 1:10,000



Surveyed 1974
Revised 1974
Edition N/A
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Levelled N/A

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

Surveyed 1975
Revised 1977
Edition N/A
Copyright N/A
Levelled N/A

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

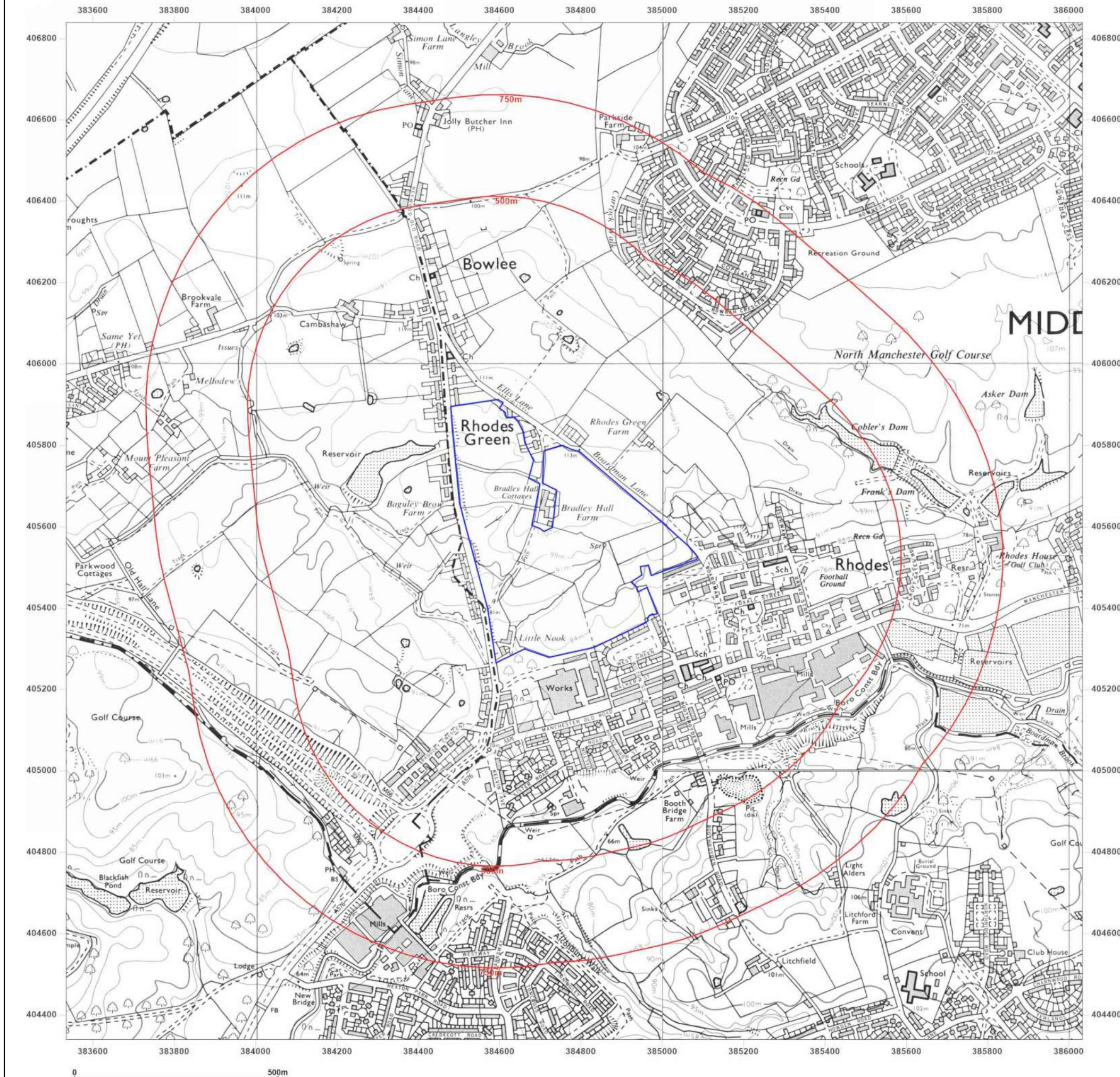


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Site Details:

Northern Gateway Eastern
Parcel

Client Ref: 784-B048805
Report Ref: GS-W9L-47U-6VL-FVW
Grid Ref: 384783, 405588

Map Name: National Grid

Map date: 1980-1985

Scale: 1:10,000

Printed at: 1:10,000



Surveyed 1980
Revised 1981
Edition N/A
Copyright N/A
Levelled N/A

Surveyed 1980
Revised 1982
Edition N/A
Copyright N/A
Levelled N/A

Surveyed 1985
Revised 1985
Edition N/A
Copyright N/A
Levelled N/A

Surveyed 1980
Revised 1980
Edition N/A
Copyright N/A
Levelled N/A

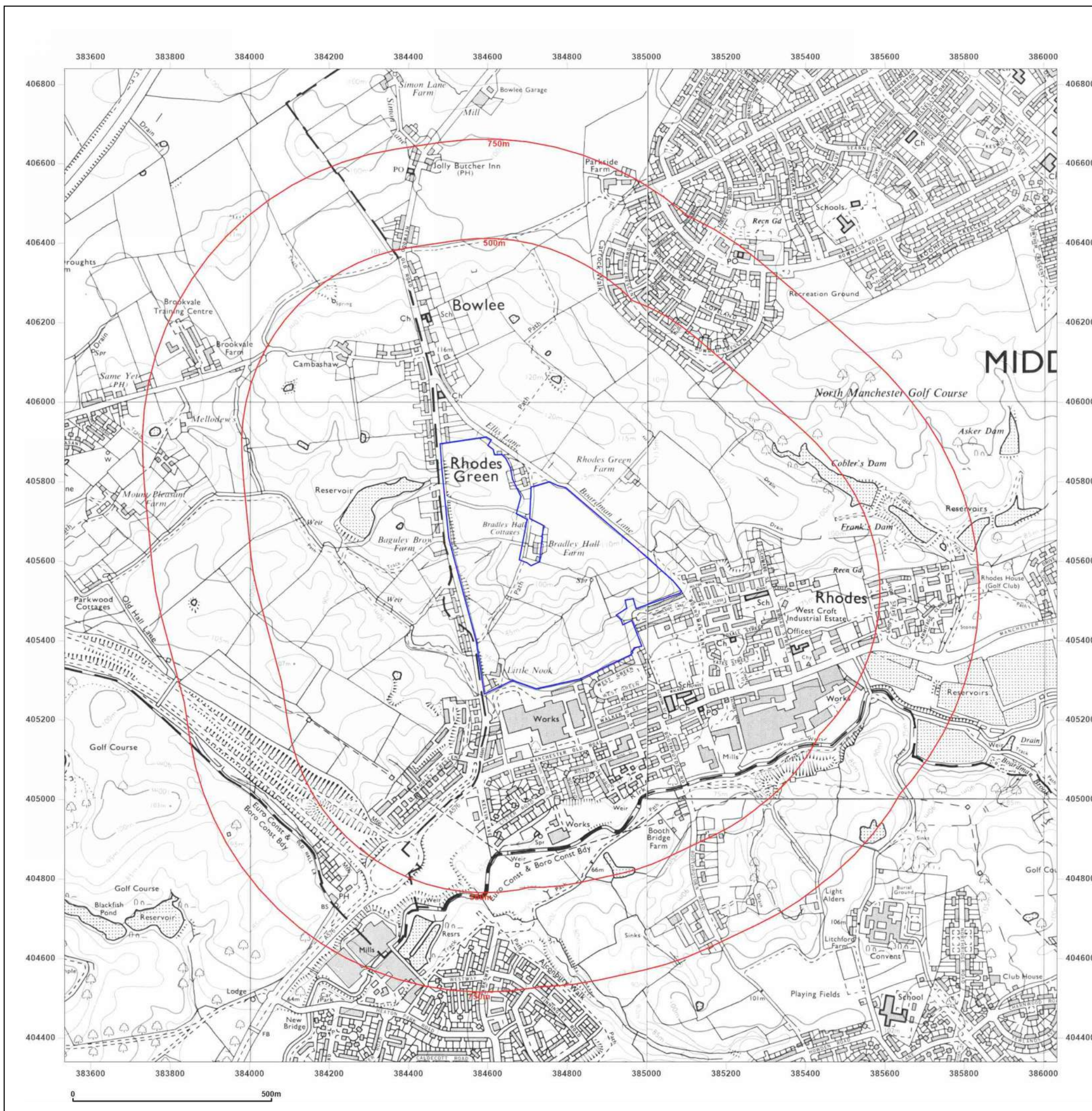


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Site Details:

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Parcel

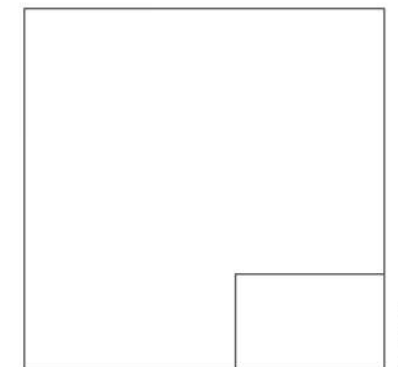
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Report Ref: GS-W9L-47U-6VL-FVW
Grid Ref: 384783, 405588

Map Name: National Grid

Map date: 1988

Scale: 1:10,000

Printed at: 1:10,000



Surveyed 1987
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Site Details:

Northern Gateway Eastern
Parcel

Client Ref: 784-B048805
Report Ref: GS-W9L-47U-6VL-FVW
Grid Ref: 384783, 405588

Map Name: National Grid

Map date: 2001

Scale: 1:10,000

Printed at: 1:10,000



2001

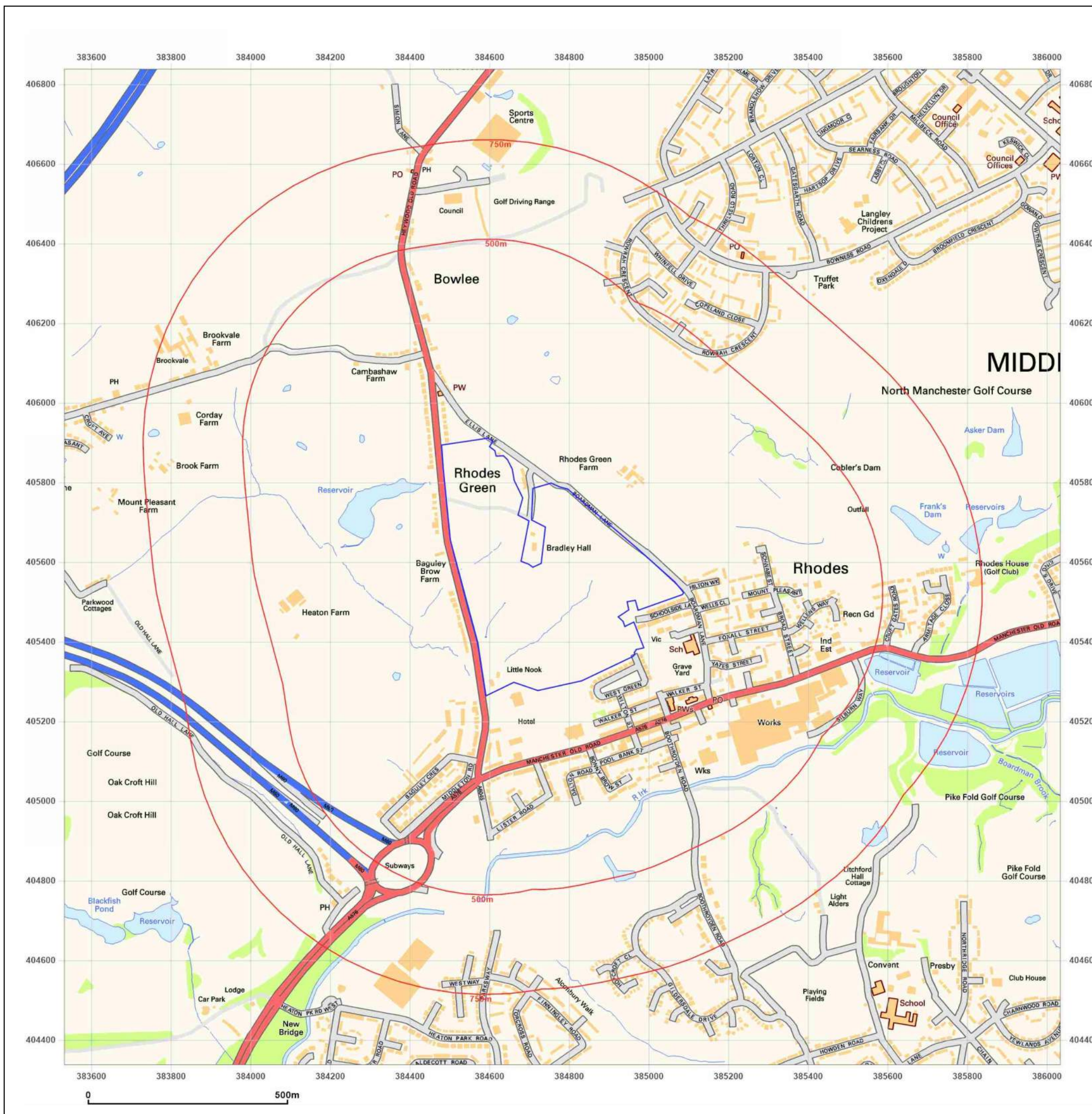


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Site Details:

Northern Gateway Eastern
Parcel

Client Ref: 784-B048805
Report Ref: GS-W9L-47U-6VL-FVW
Grid Ref: 384783, 405588

Map Name: National Grid

Map date: 2010

Scale: 1:10,000

Printed at: 1:10,000



2010

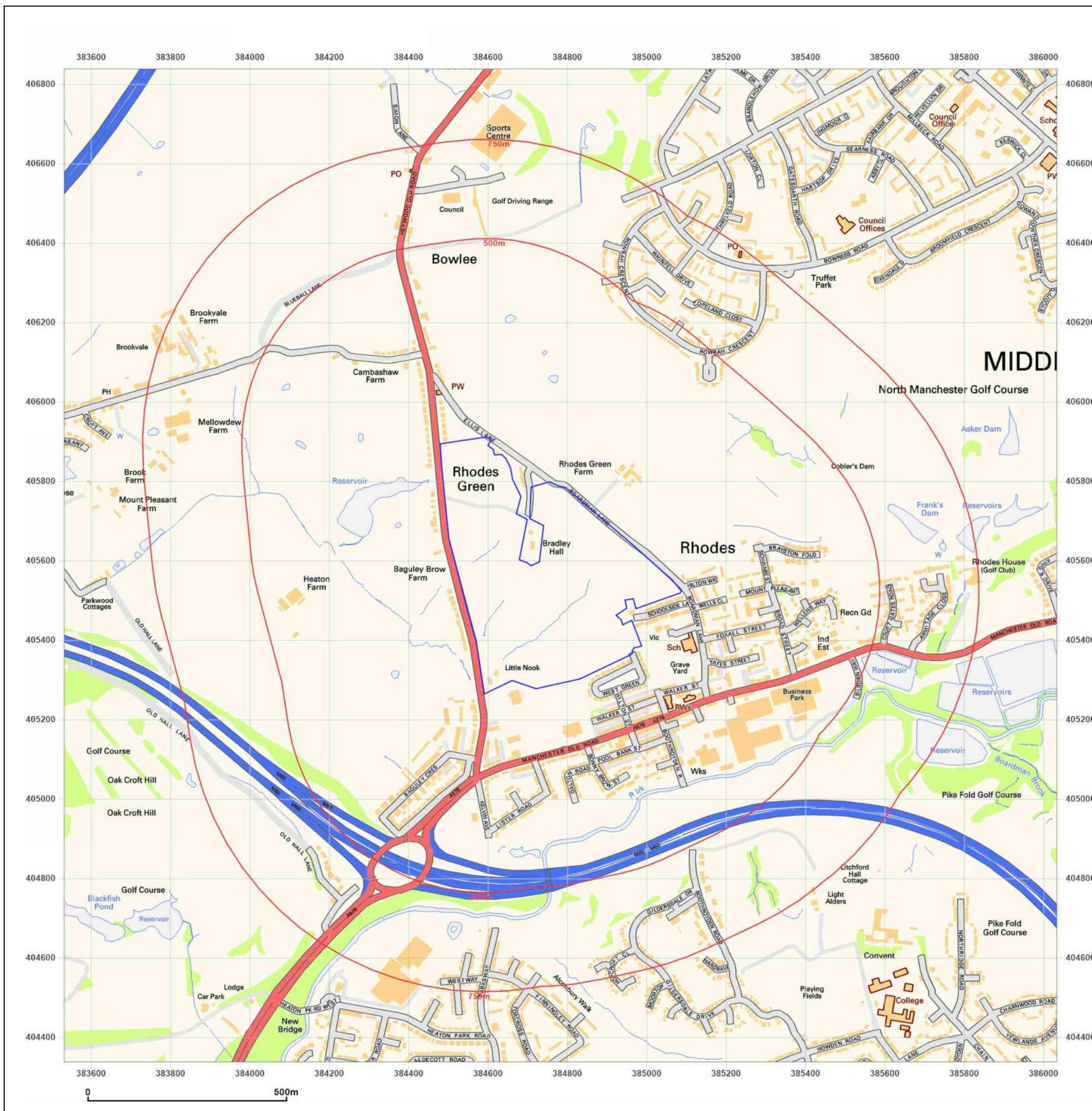


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Site Details:

Northern Gateway Eastern
Parcel

Client Ref: 784-B048805
Report Ref: GS-W9L-47U-6VL-FVW
Grid Ref: 384783, 405588

Map Name: National Grid

Map date: 2024

Scale: 1:10,000

Printed at: 1:10,000



2024

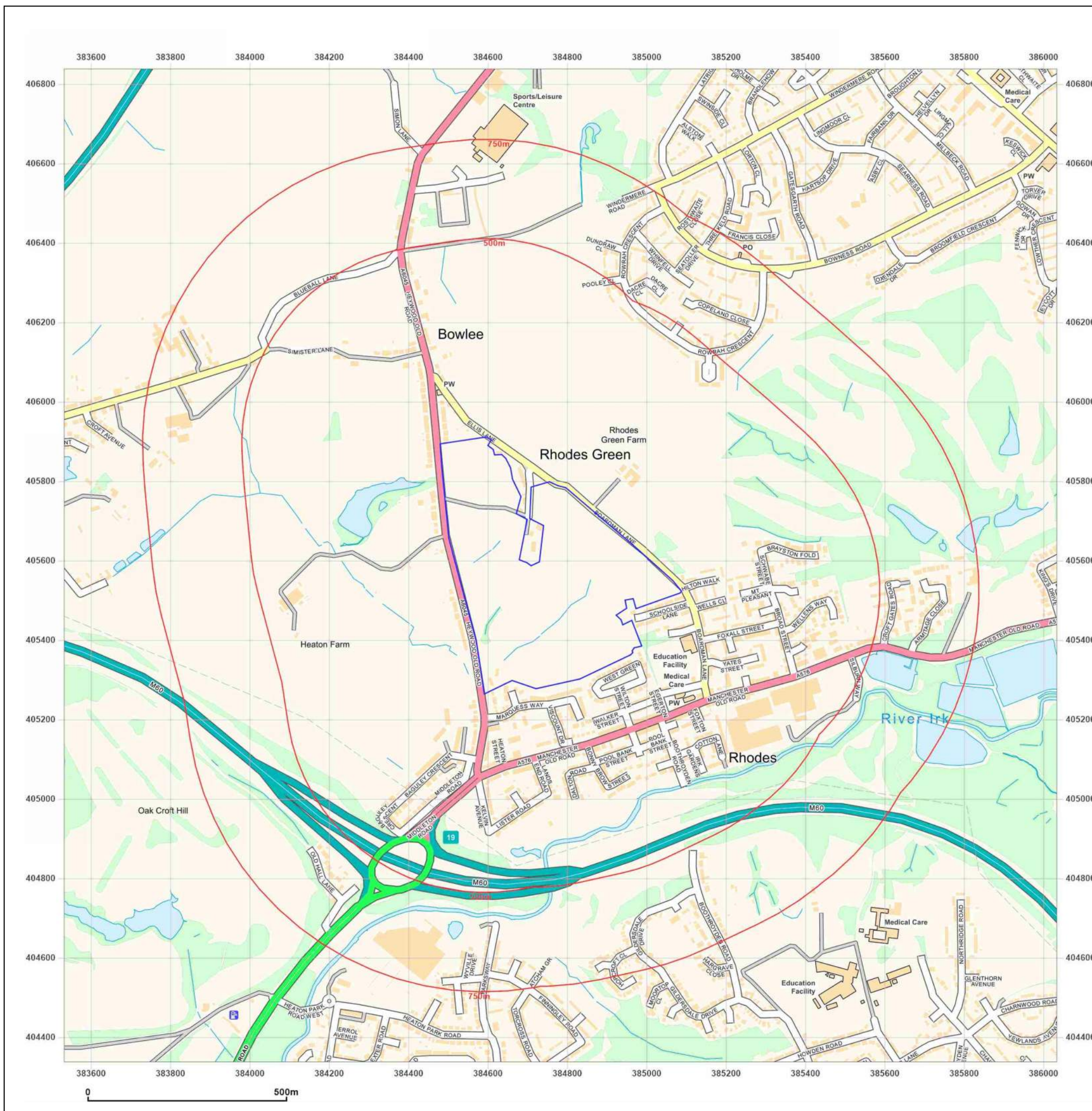


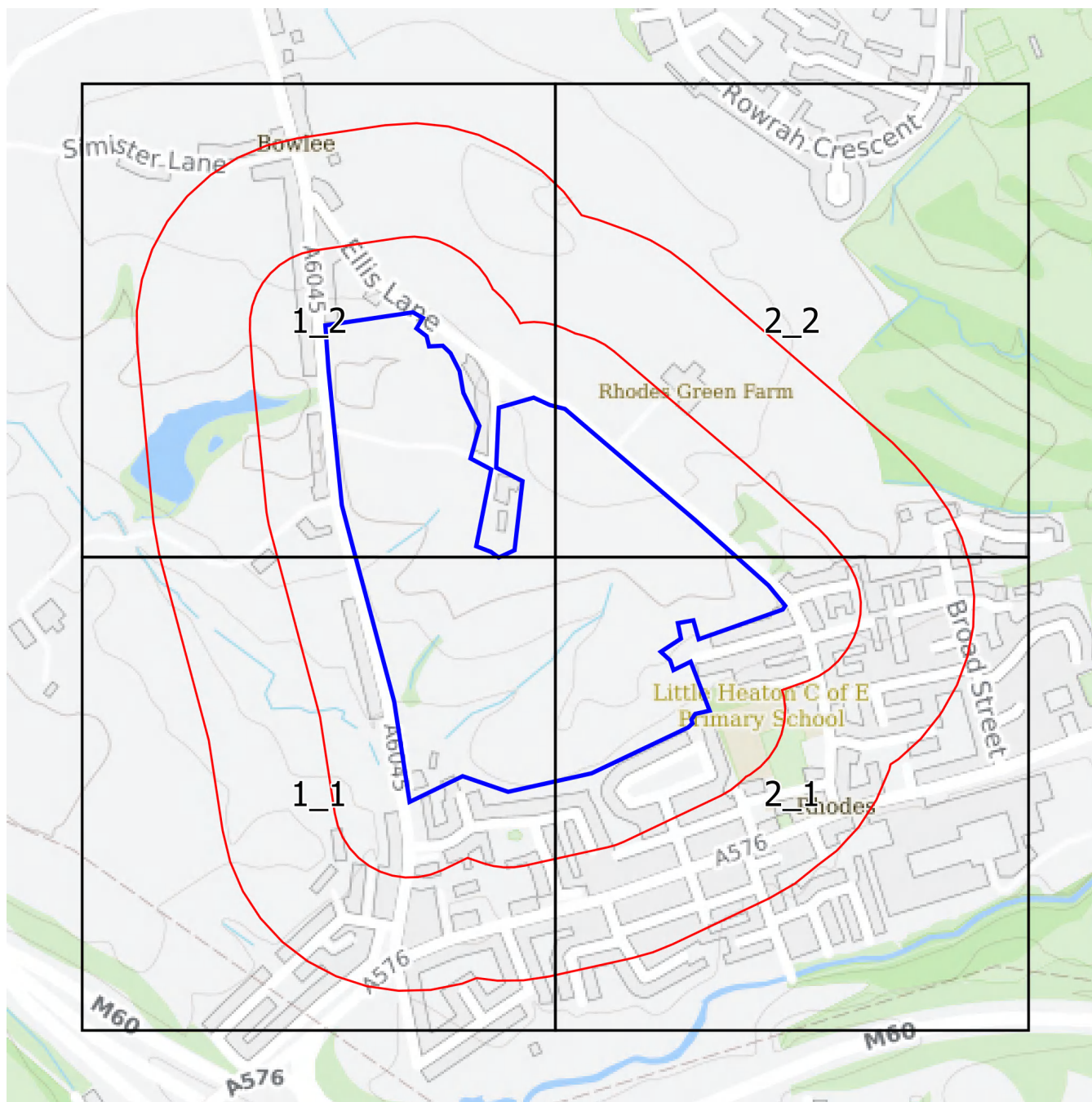
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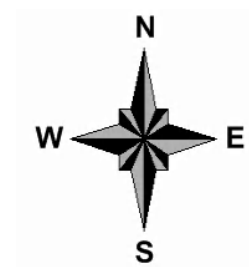
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1:2,500 Scale Grid Index



Site Details:

Northern Gateway Eastern
Parcel

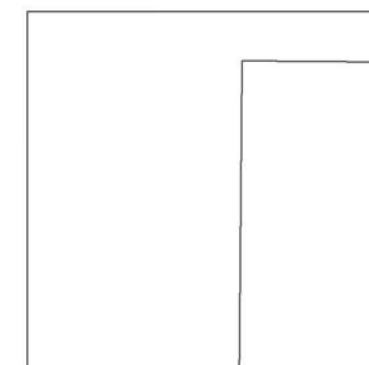
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Report Ref: GS-W9L-47U-6VL-FVW_LS_1_1
Grid Ref: 384470, 405276

Map Name: County Series Town Plan

Map date: 1892

Scale: 1:500

Printed at: 1:1,000



Surveyed 1892
Revised N/A
Edition N/A
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Levelled N/A



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Site Details:

Northern Gateway Eastern
Parcel

Client Ref: 784-B048805
Report Ref: GS-W9L-47U-6VL-FVW_LS_1_1
Grid Ref: 384470, 405276

Map Name: County Series

Map date: 1893

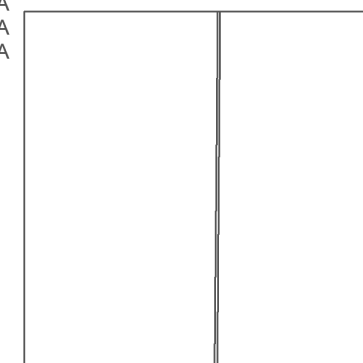
Scale: 1:2,500

Printed at: 1:2,500



Surveyed 1893
Revised 1893
Edition N/A
Copyright N/A
Levelled N/A

Surveyed 1893
Revised 1893
Edition N/A
Copyright N/A
Levelled N/A

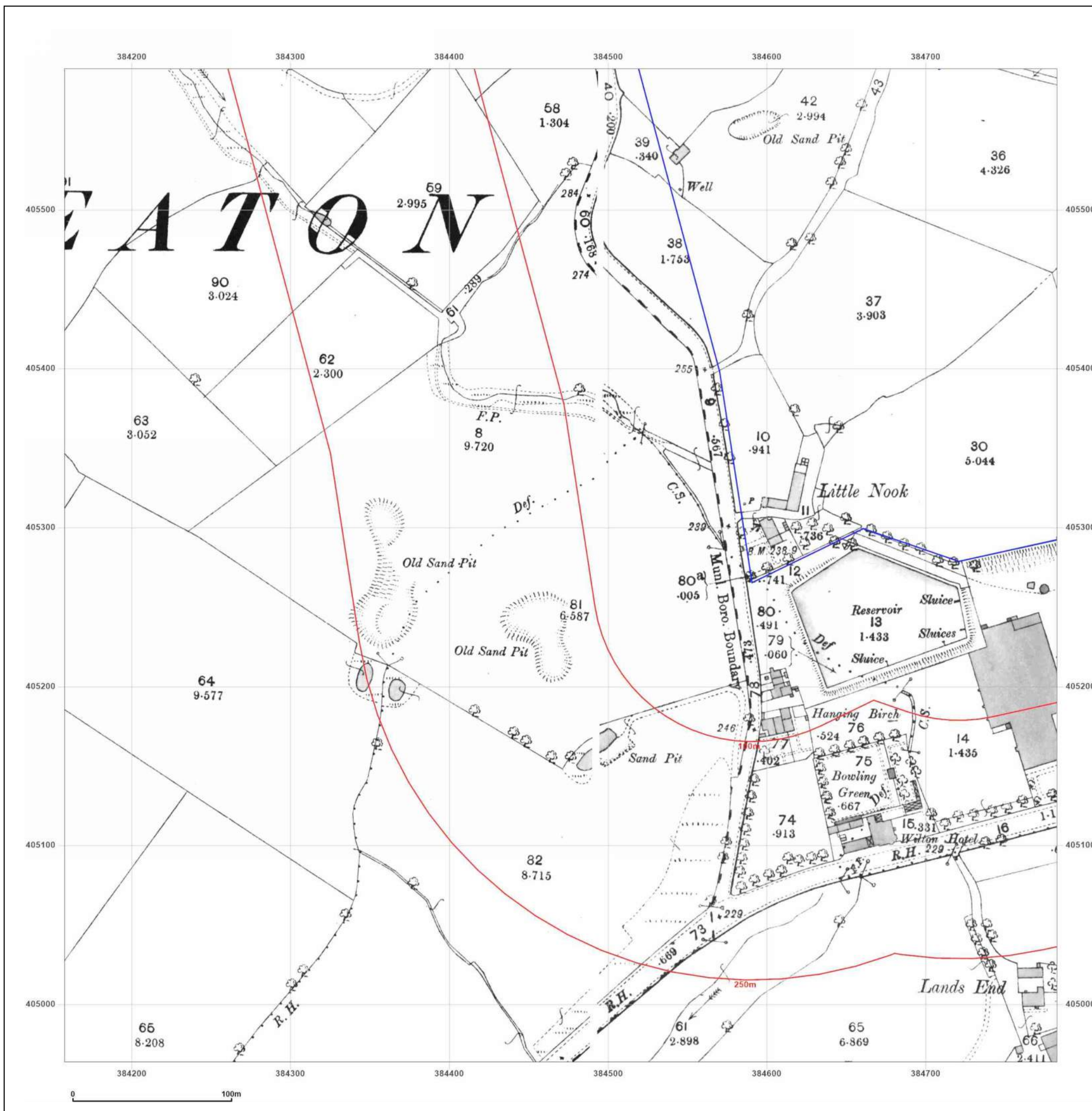


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Site Details:

Northern Gateway Eastern Parcel

Client Ref: 784-B048805
Report Ref: GS-W9L-47U-6VL-FVW_LS_1_1
Grid Ref: 384470, 405276

Map Name: County Series

Map date: 1909

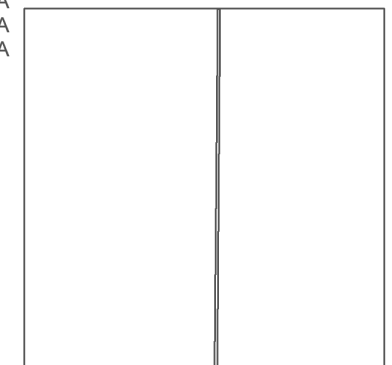
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Printed at: 1:2,500



Surveyed 1909
 Revised 1909
 Edition N/A
 Copyright N/A
 Levelled N/A

Surveyed 1909
 Revised 1909
 Edition N/A
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 Levelled N/A



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Site Details:

Northern Gateway Eastern Parcel

Client Ref: 784-B048805
Report Ref: GS-W9L-47U-6VL-FVW_LS_1_1
Grid Ref: 384470, 405276

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

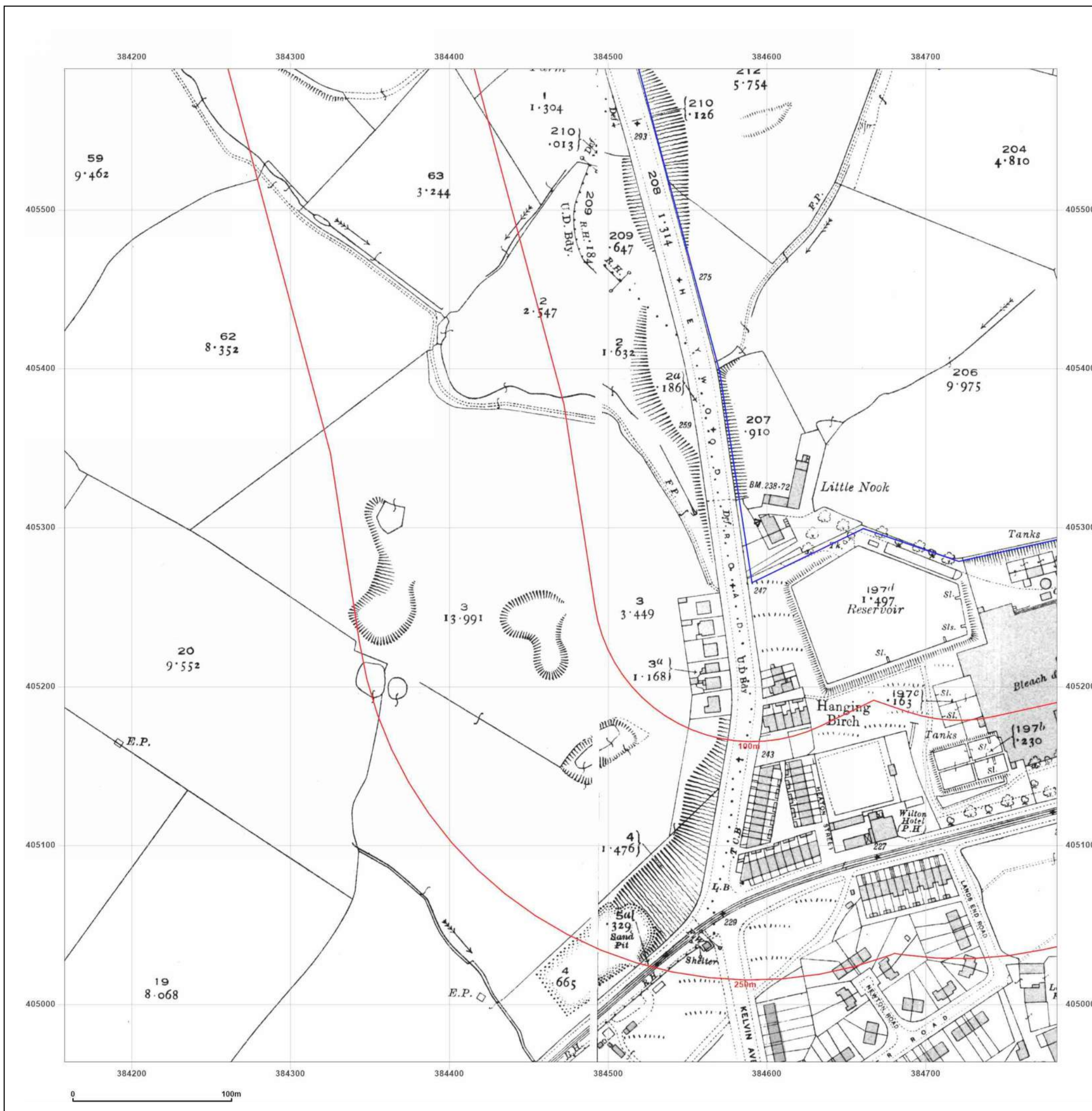


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Site Details:

Northern Gateway Eastern Parcel

Client Ref: 784-B048805
Report Ref: GS-W9L-47U-6VL-FVW_LS_1_1
Grid Ref: 384470, 405276

Map Name: National Grid

Map date: 1951-1954

Scale: 1:2,500

Printed at: 1:2,500



Surveyed 1954
 Revised 1954
 Edition 1955
 Copyright N/A
 Levelled 1927

Surveyed 1951
 Revised 1951
 Edition N/A
 Copyright N/A
 Levelled 1948

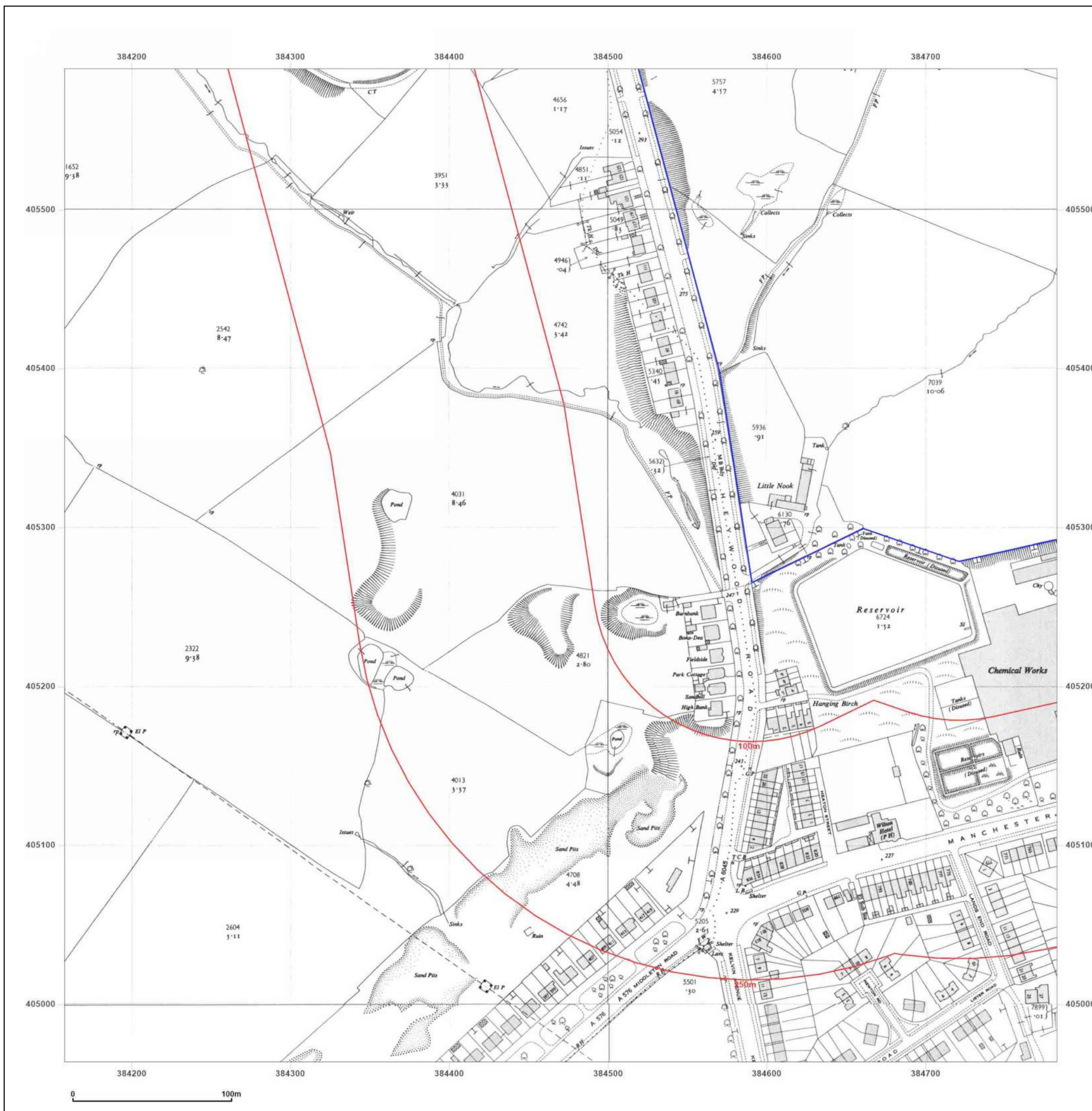


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Site Details:

Northern Gateway Eastern Parcel

Client Ref: 784-B048805
Report Ref: GS-W9L-47U-6VL-FVW_LS_1_2
Grid Ref: 384470, 405901

Map Name: County Series

Map date: 1893

Scale: 1:2,500

Printed at: 1:2,500



Surveyed 1893
 Revised 1893
 Edition N/A
 Copyright N/A
 Levelled N/A

Surveyed 1893
 Revised 1893
 Edition N/A
 Copyright N/A
 Levelled N/A

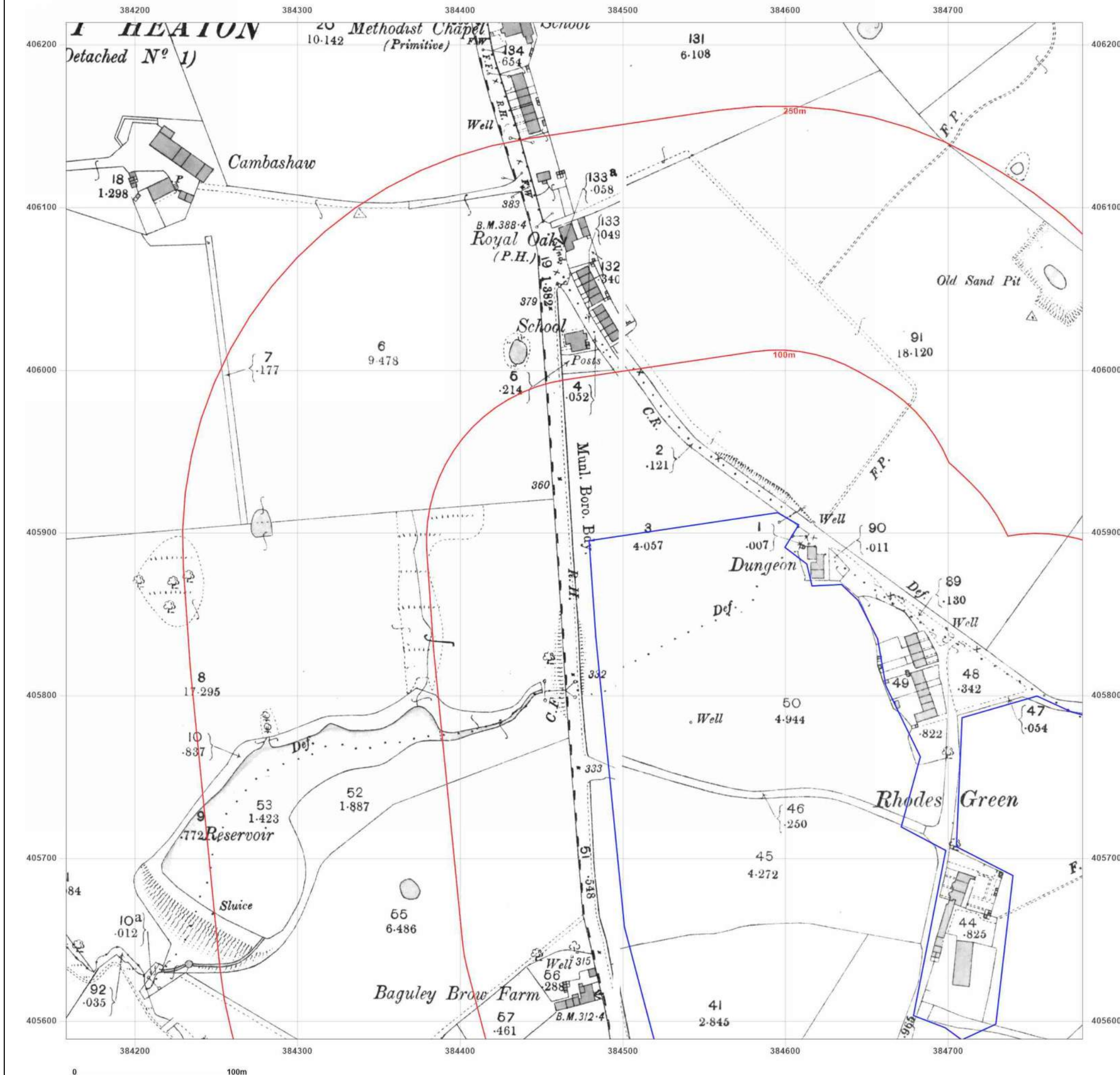


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Site Details:

Northern Gateway Eastern Parcel

Client Ref: 784-B048805
Report Ref: GS-W9L-47U-6VL-FVW_LS_1_2
Grid Ref: 384470, 405901

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

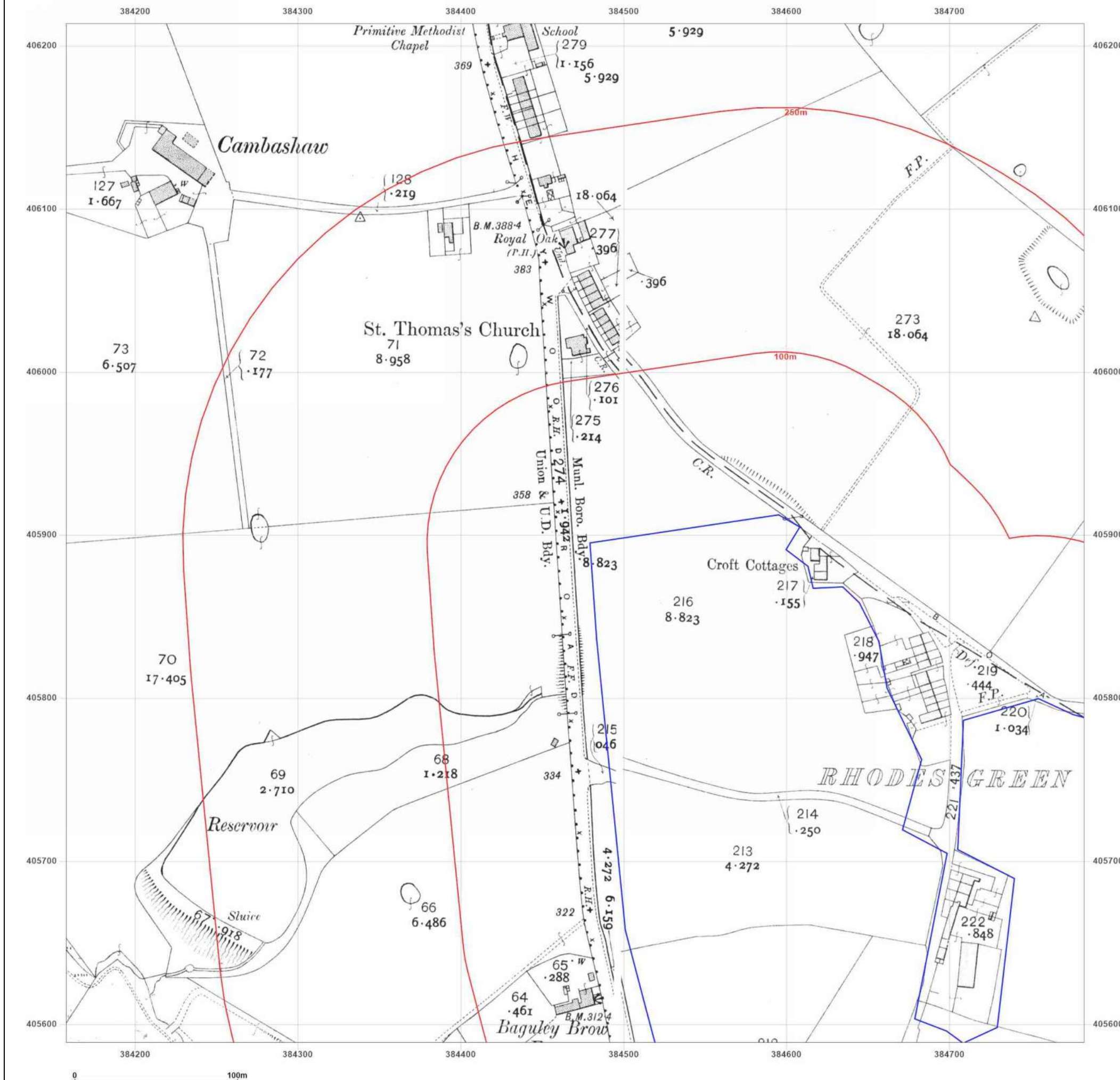


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Site Details:

Northern Gateway Eastern Parcel

Client Ref: 784-B048805
Report Ref: GS-W9L-47U-6VL-FVW_LS_1_2
Grid Ref: 384470, 405901

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

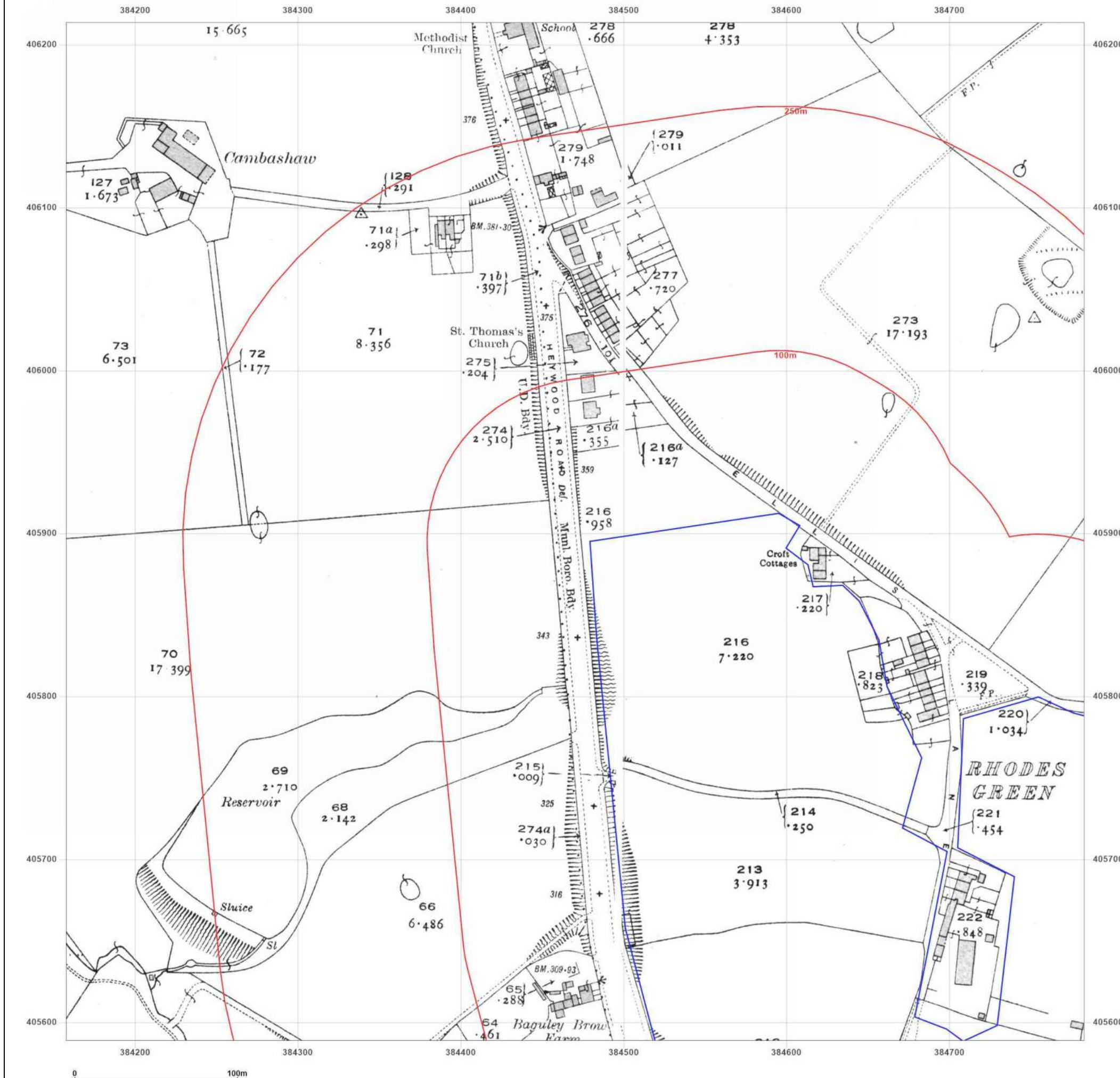


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Site Details:

Northern Gateway Eastern
Parcel

Client Ref: 784-B048805
Report Ref: GS-W9L-47U-6VL-FVW_LS_1_2
Grid Ref: 384470, 405901

Map Name: National Grid

Map date: 1954

Scale: 1:2,500

Printed at: 1:2,500



Surveyed 1954
Revised 1954
Edition 1955
Copyright N/A
Levelled 1927

Surveyed 1954
Revised 1954
Edition 1955
Copyright N/A
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Site Details:

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Client Ref: 784-B048805
Report Ref: GS-W9L-47U-6VL-FVW_LS_1_2
Grid Ref: 384470, 405901

Map Name: National Grid

Map date: 1965-1967

Scale: 1:2,500

Printed at: 1:2,500



Surveyed 1965
 Revised 1965
 Edition N/A
 Copyright 1968
 Levelled N/A

Surveyed 1967
 Revised 1967
 Edition N/A
 Copyright 1969
 Levelled 1962



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Site Details:

Northern Gateway Eastern
Parcel

Client Ref: 784-B048805
Report Ref: GS-W9L-47U-6VL-FVW_LS_2_1
Grid Ref: 385095, 405276

Map Name: County Series

Map date: 1893

Scale: 1:2,500

Printed at: 1:2,500



Surveyed 1893
Revised 1893
Edition N/A
Copyright N/A
Levelled N/A

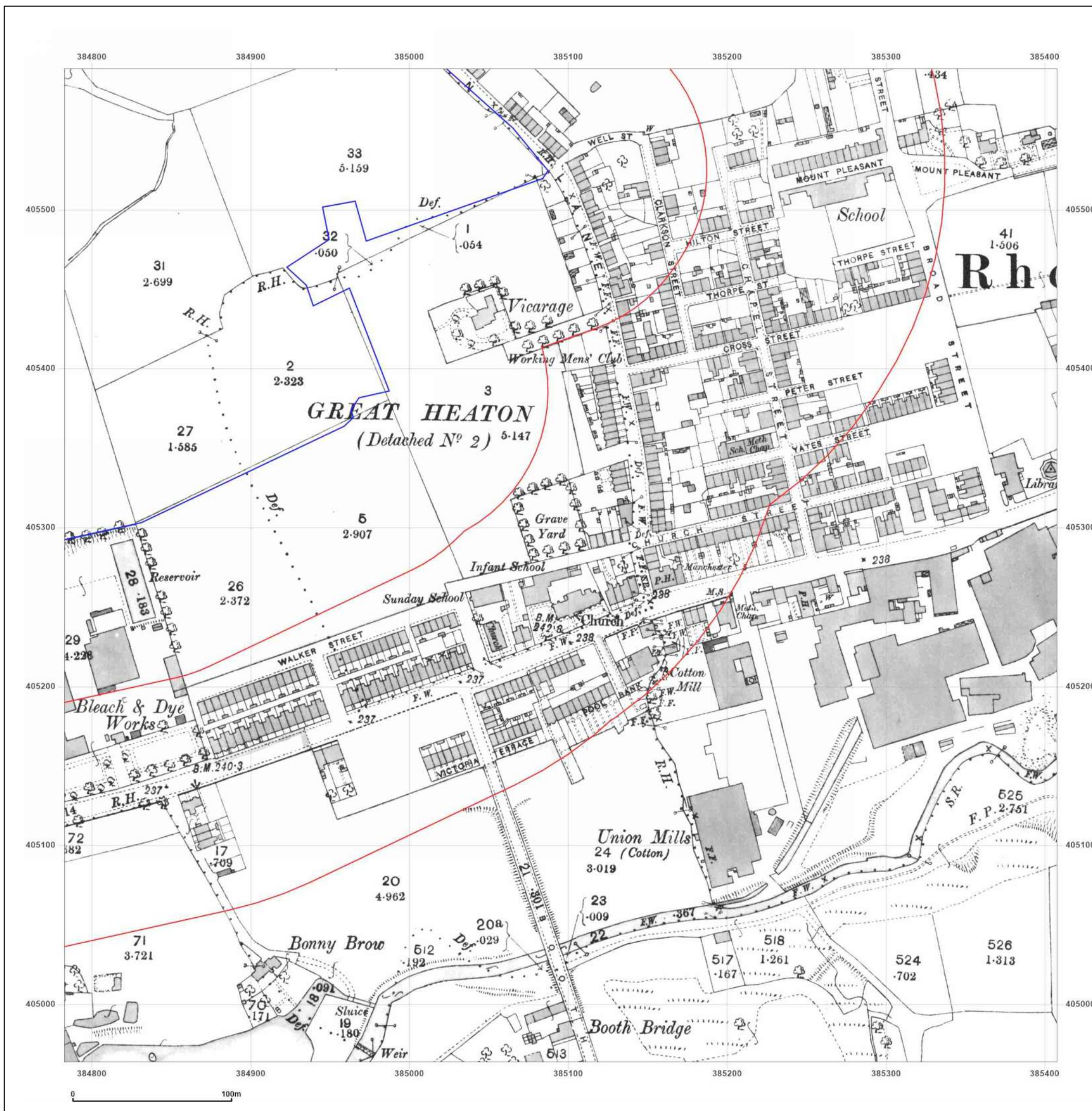


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Site Details:

Northern Gateway Eastern Parcel

Client Ref: 784-B048805
Report Ref: GS-W9L-47U-6VL-FVW_LS_2_1
Grid Ref: 385095, 405276

Map Name: County Series

Map date: 1909

Scale: 1:2,500

Printed at: 1:2,500



Surveyed 1909
 Revised 1909
 Edition N/A
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Site Details:

Northern Gateway Eastern Parcel

Client Ref: 784-B048805
Report Ref: GS-W9L-47U-6VL-FVW_LS_2_1
Grid Ref: 385095, 405276

Map Name: County Series

Map date: 1922

Scale: 1:2,500

Printed at: 1:2,500



Surveyed 1922
 Revised 1922
 Edition N/A
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Site Details:

Northern Gateway Eastern Parcel

Client Ref: 784-B048805
Report Ref: GS-W9L-47U-6VL-FVW_LS_2_1
Grid Ref: 385095, 405276

Map Name: County Series

Map date: 1932

Scale: 1:2,500

Printed at: 1:2,500



Surveyed 1932
Revised 1932
Edition N/A
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Site Details:

Northern Gateway Eastern Parcel

Client Ref: 784-B048805
Report Ref: GS-W9L-47U-6VL-FVW_LS_2_1
Grid Ref: 385095, 405276

Map Name: National Grid

Map date: 1951-1954

Scale: 1:2,500

Printed at: 1:2,500



Surveyed 1954
 Revised 1954
 Edition 1955
 Copyright N/A
 Levelled 1927

Surveyed 1954
 Revised 1954
 Edition 1955
 Copyright N/A
 Levelled 1948

Surveyed 1951
 Revised 1951
 Edition N/A
 Copyright N/A
 Levelled 1948

Surveyed 1951
 Revised 1951
 Edition N/A
 Copyright N/A
 Levelled 1948



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Site Details:

Northern Gateway Eastern Parcel

Client Ref: 784-B048805
Report Ref: GS-W9L-47U-6VL-FVW_LS_2_1
Grid Ref: 385095, 405276

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 1962

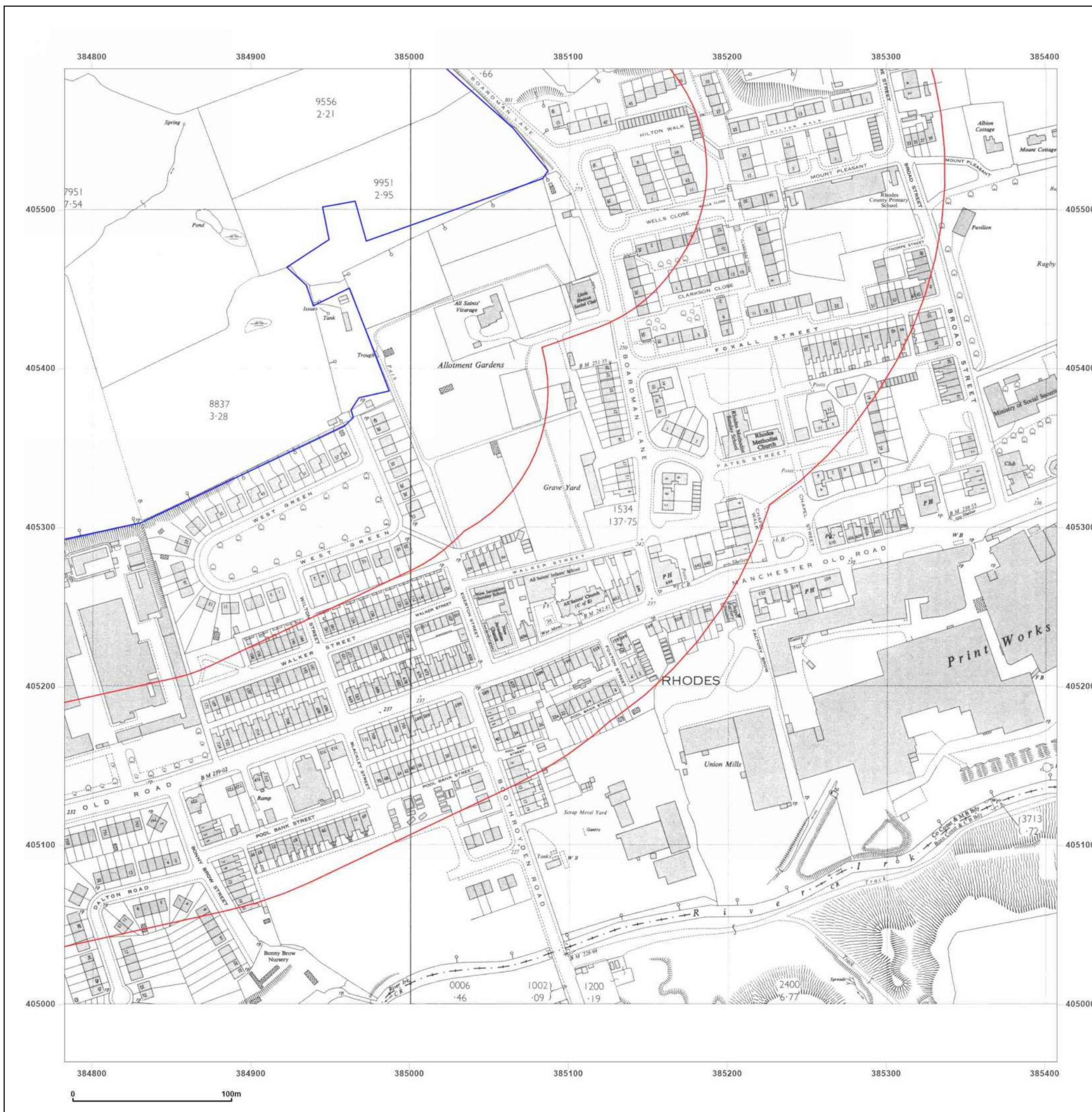


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Site Details:

Northern Gateway Eastern
Parcel

Client Ref: 784-B048805
Report Ref: GS-W9L-47U-6VL-FVW_LS_2_2
Grid Ref: 385095, 405901

Map Name: County Series

Map date: 1893

Scale: 1:2,500

Printed at: 1:2,500



Surveyed 1893
Revised 1893
Edition N/A
Copyright N/A
Levelled N/A

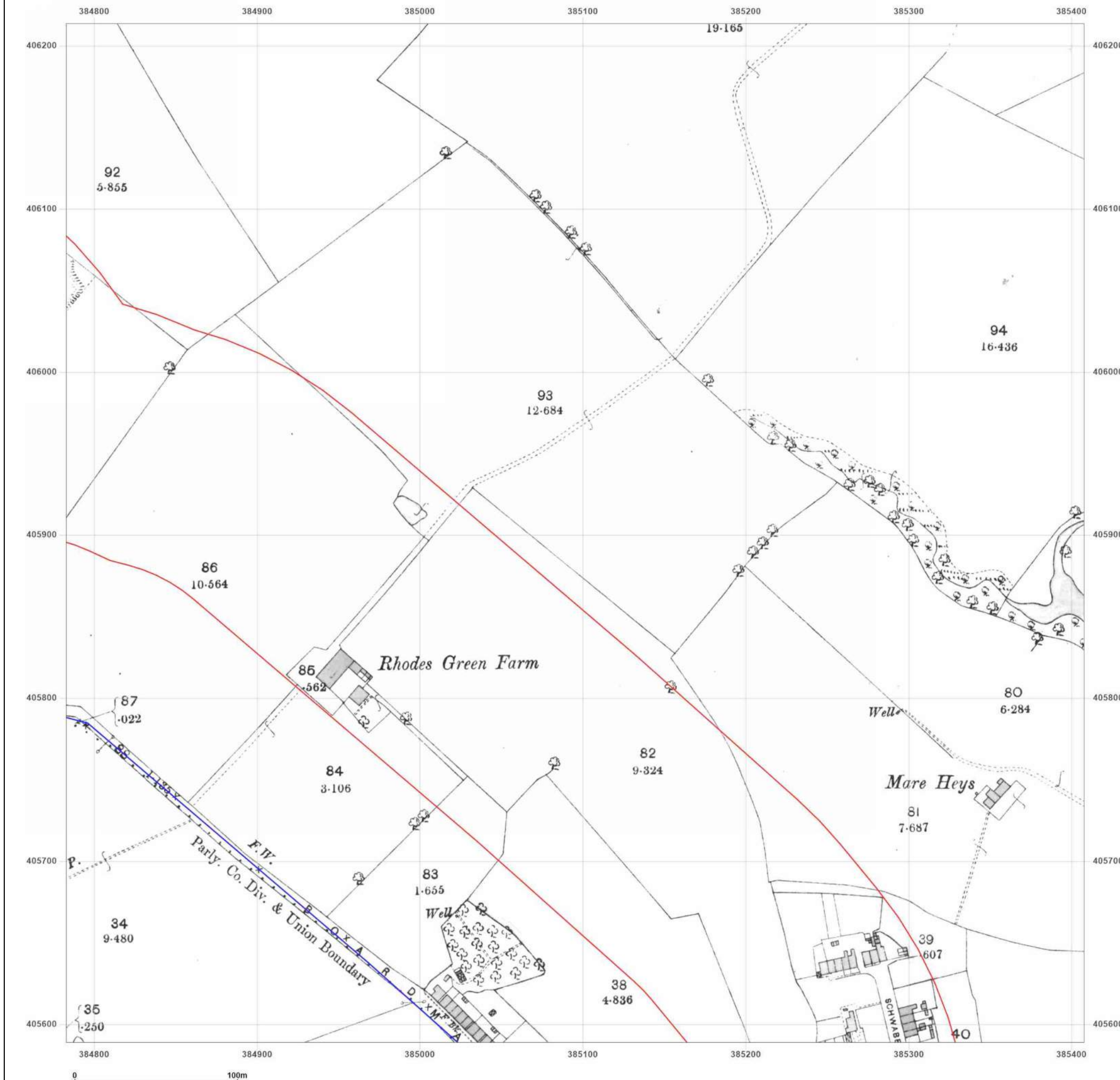


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Site Details:

Northern Gateway Eastern Parcel

Client Ref: 784-B048805
Report Ref: GS-W9L-47U-6VL-FVW_LS_2_2
Grid Ref: 385095, 405901

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

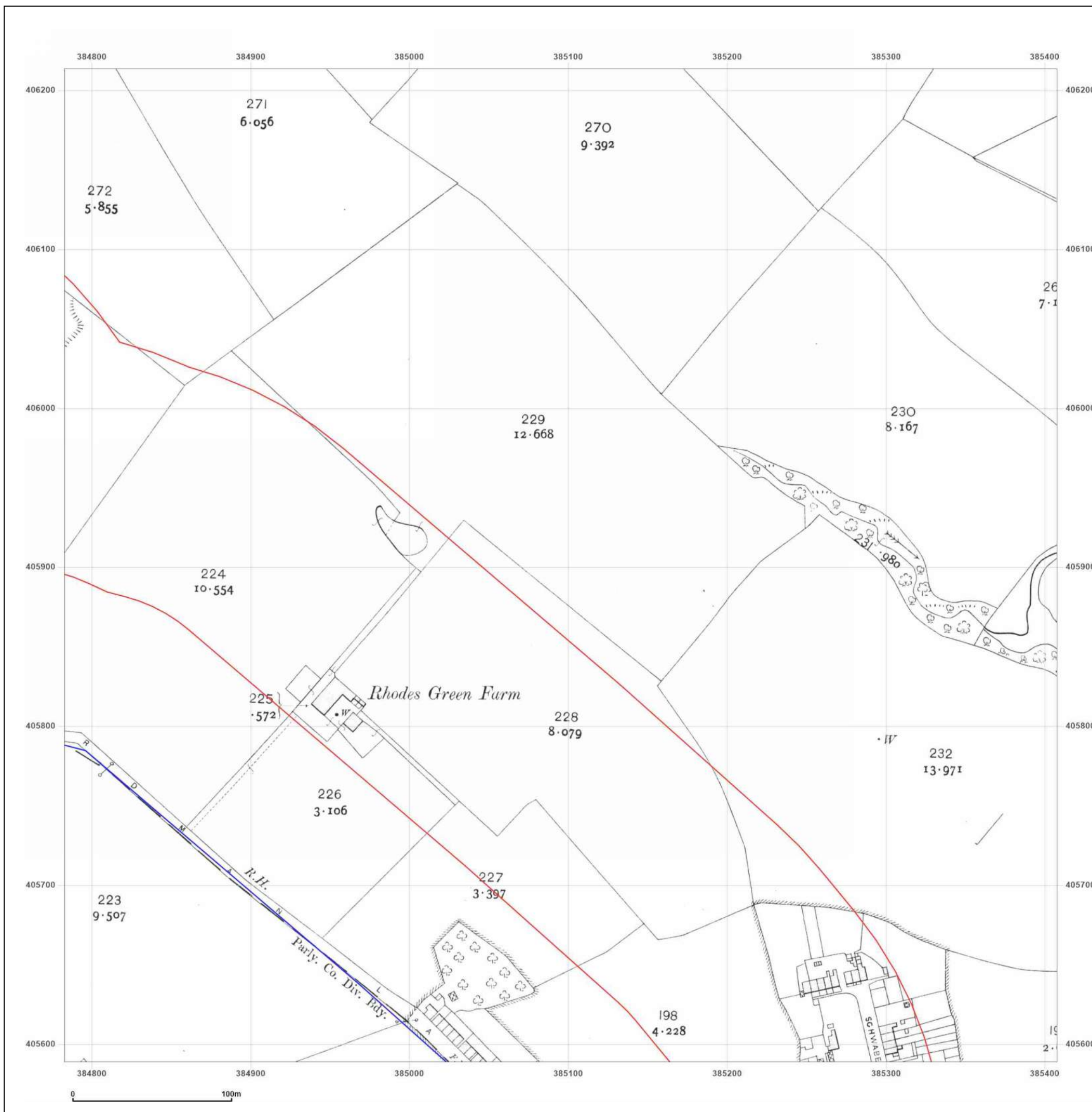


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Site Details:

Northern Gateway Eastern
Parcel

Client Ref: 784-B048805
Report Ref: GS-W9L-47U-6VL-FVW_LS_2_2
Grid Ref: 385095, 405901

Map Name: County Series

Map date: 1922

Scale: 1:2,500

Printed at: 1:2,500



Surveyed 1922
Revised 1922
Edition N/A
Copyright N/A
Levelled N/A

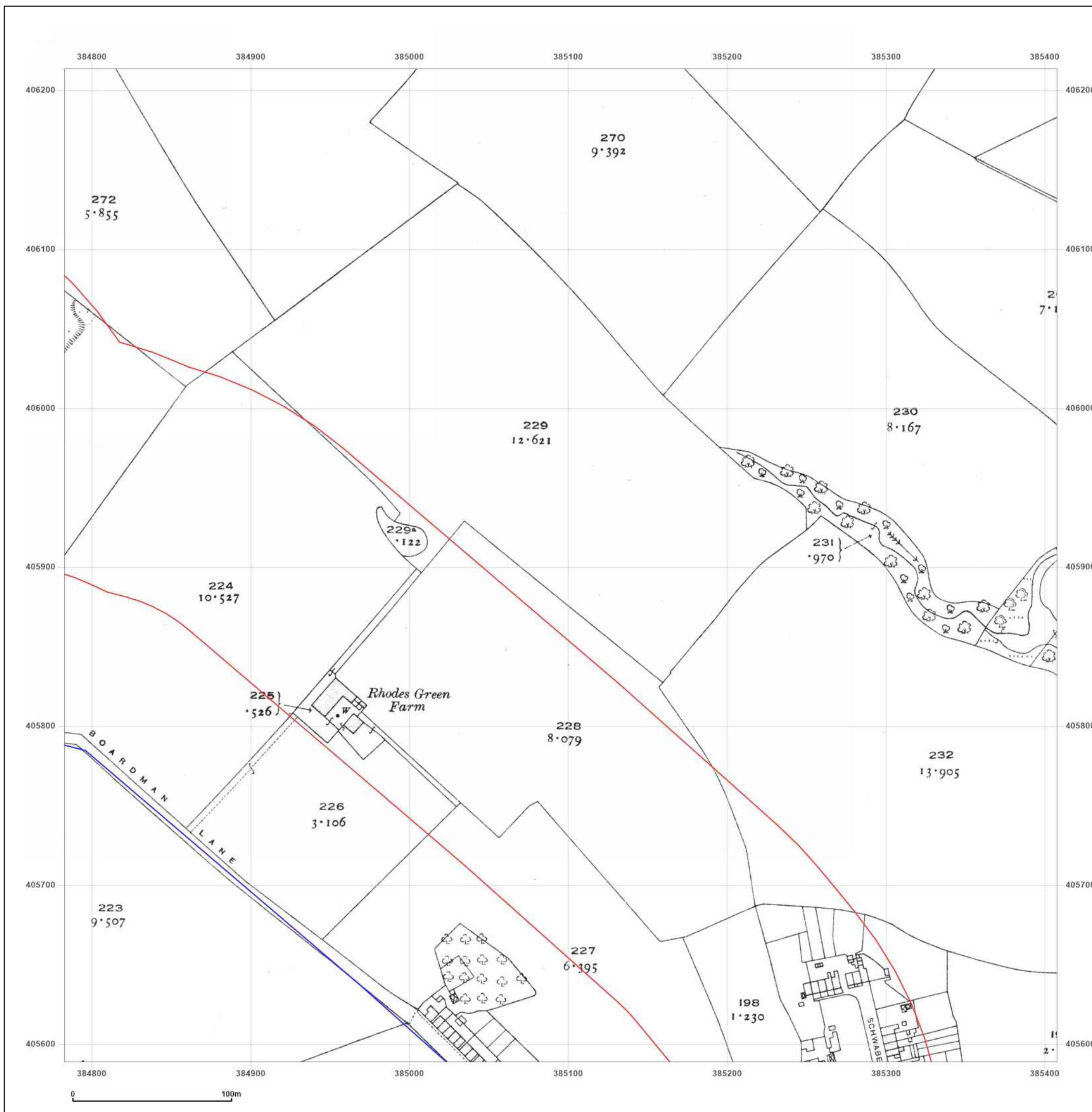


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Site Details:

Northern Gateway Eastern Parcel

Client Ref: 784-B048805
Report Ref: GS-W9L-47U-6VL-FVW_LS_2_2
Grid Ref: 385095, 405901

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

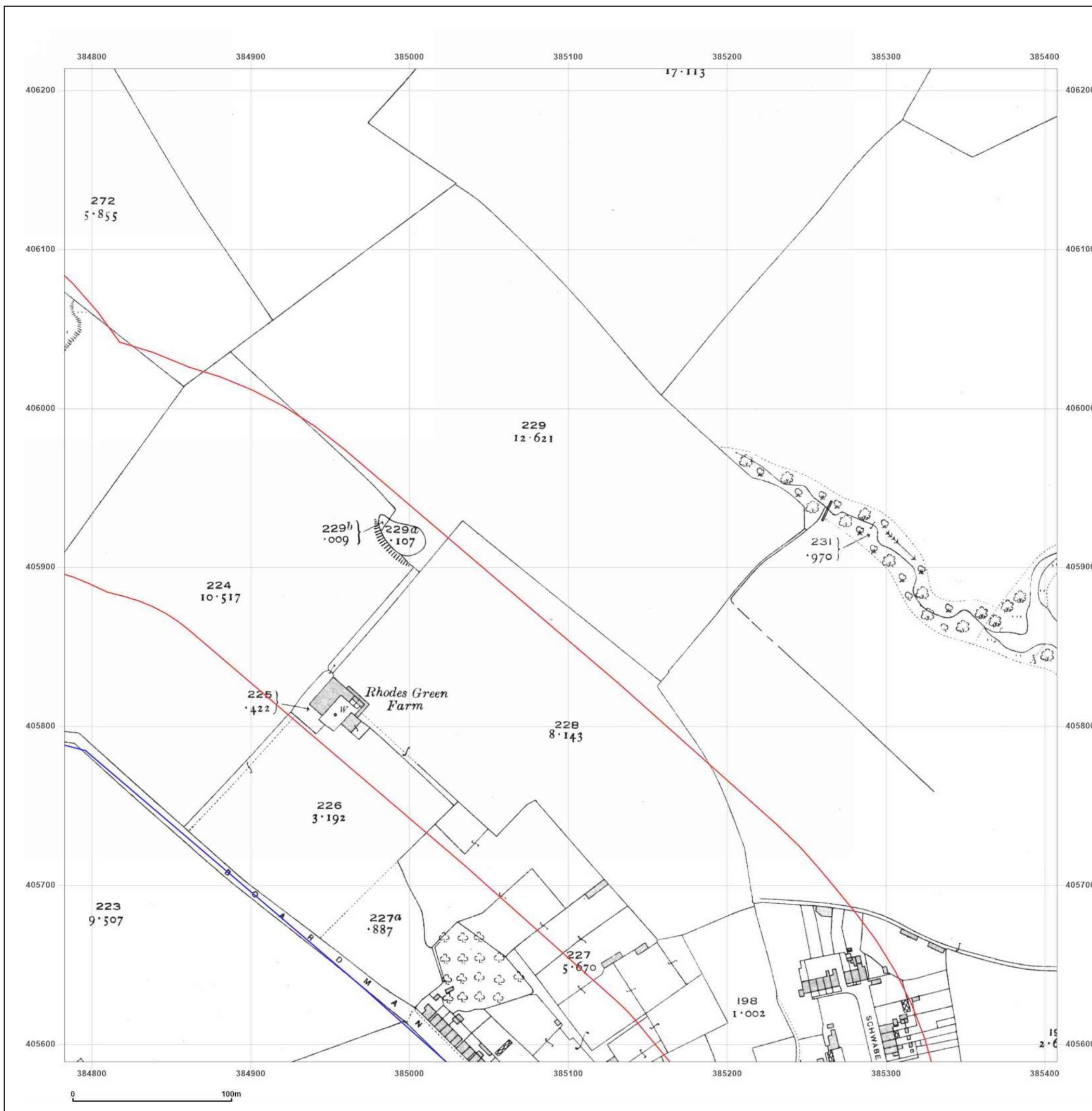


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Site Details:

Northern Gateway Eastern
Parcel

Client Ref: 784-B048805
Report Ref: GS-W9L-47U-6VL-FVW_LS_2_2
Grid Ref: 385095, 405901

Map Name: National Grid

Map date: 1954

Scale: 1:2,500

Printed at: 1:2,500



Surveyed 1954
Revised 1954
Edition 1955
Copyright N/A
Levelled 1927

Surveyed 1954
Revised 1954
Edition 1955
Copyright N/A
Levelled 1927

Surveyed 1954
Revised 1954
Edition 1955
Copyright N/A
Levelled 1927

Surveyed 1954
Revised 1954
Edition 1955
Copyright N/A
Levelled 1948

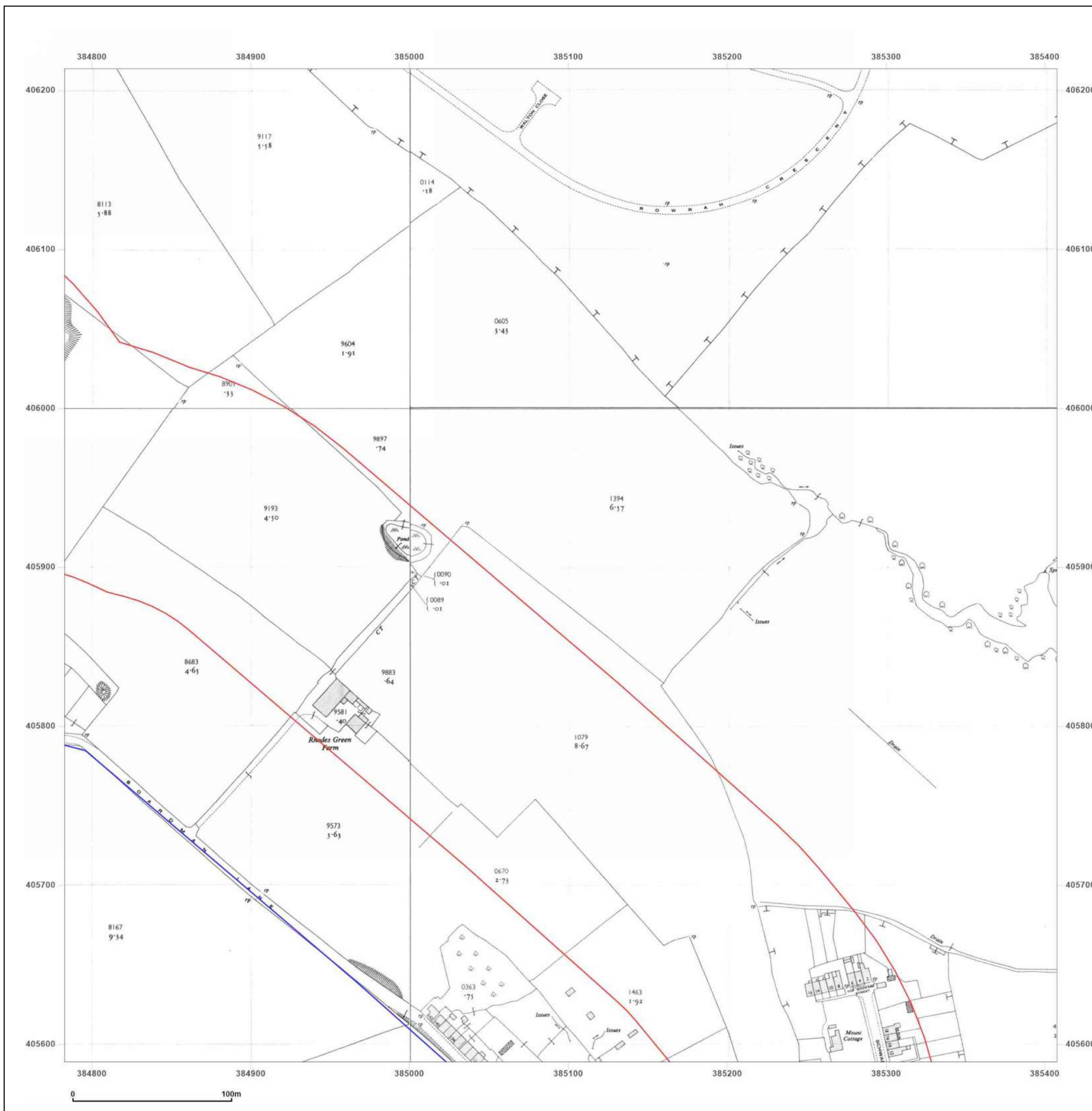


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Site Details:

Northern Gateway Eastern
Parcel

Client Ref: 784-B048805
Report Ref: GS-W9L-47U-6VL-FVW_LS_2_2
Grid Ref: 385095, 405901

Map Name: National Grid

Map date: 1965-1967

Scale: 1:2,500

Printed at: 1:2,500



Surveyed 1965
Revised 1965
Edition N/A
Copyright 1968
Levelled N/A

Surveyed 1967
Revised 1967
Edition N/A
Copyright 1969
Levelled 1962



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