

Site Details:

ALPHA FLIGHT SERVICES,
BUILDING 402, AVRO WAY,
MANCHESTER, M90 5AF

Client Ref: MAG_-_Building_402_60663052
Report Ref: GS-8497500
Grid Ref: 380839, 384887

Map Name: County Series

Map date: 1910

Scale: 1:10,560

Printed at: 1:10,560



Surveyed 1874
Revised 1910
Edition 1910
Copyright N/A
Levelled N/A

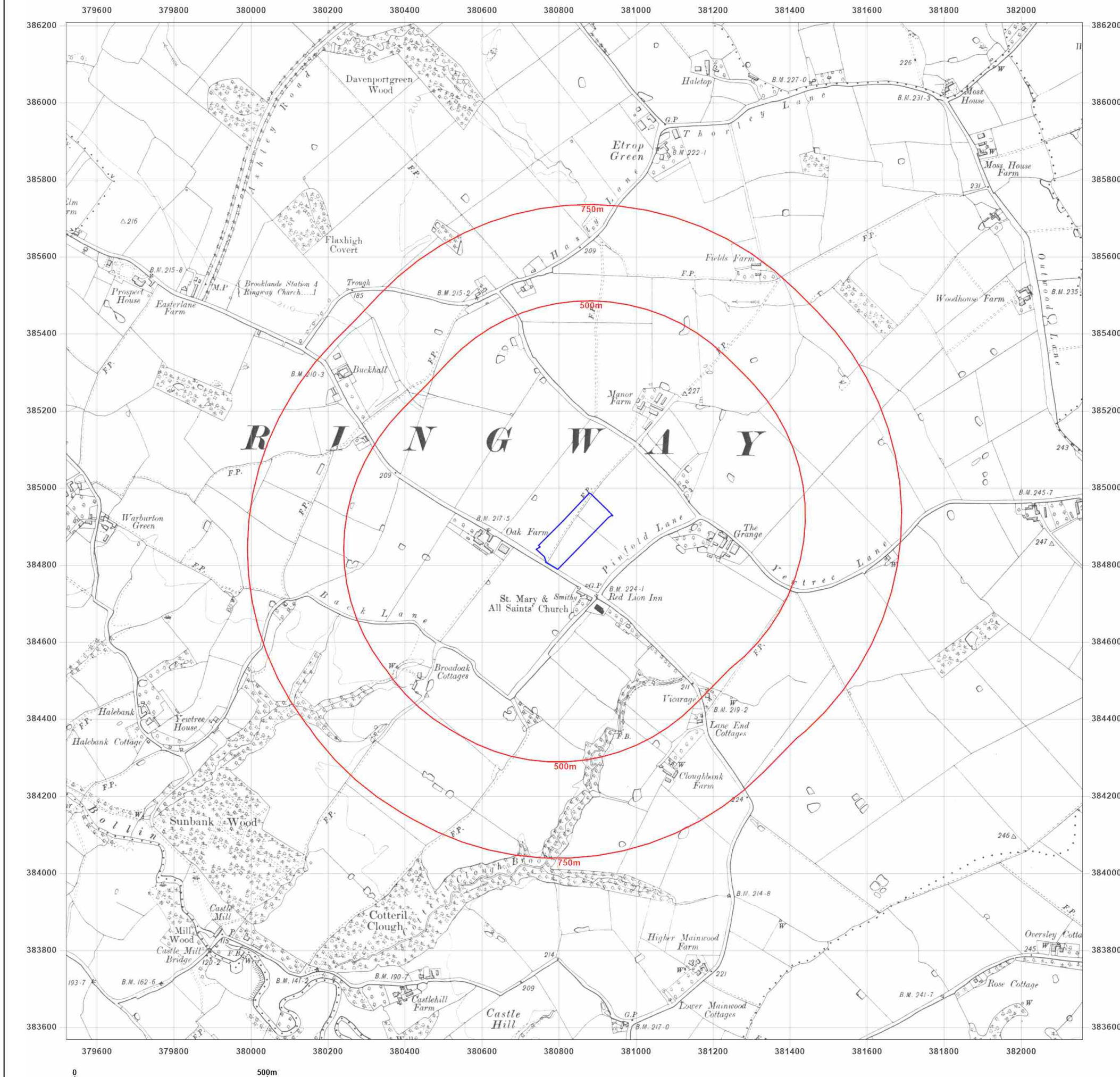


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Client Ref: MAG_-_Building_402_60663052
Report Ref: GS-8497500
Grid Ref: 380839, 384887

Map Name: County Series

Map date: 1938

Scale: 1:10,560

Printed at: 1:10,560



Surveyed 1874
Revised 1938
Edition 1938
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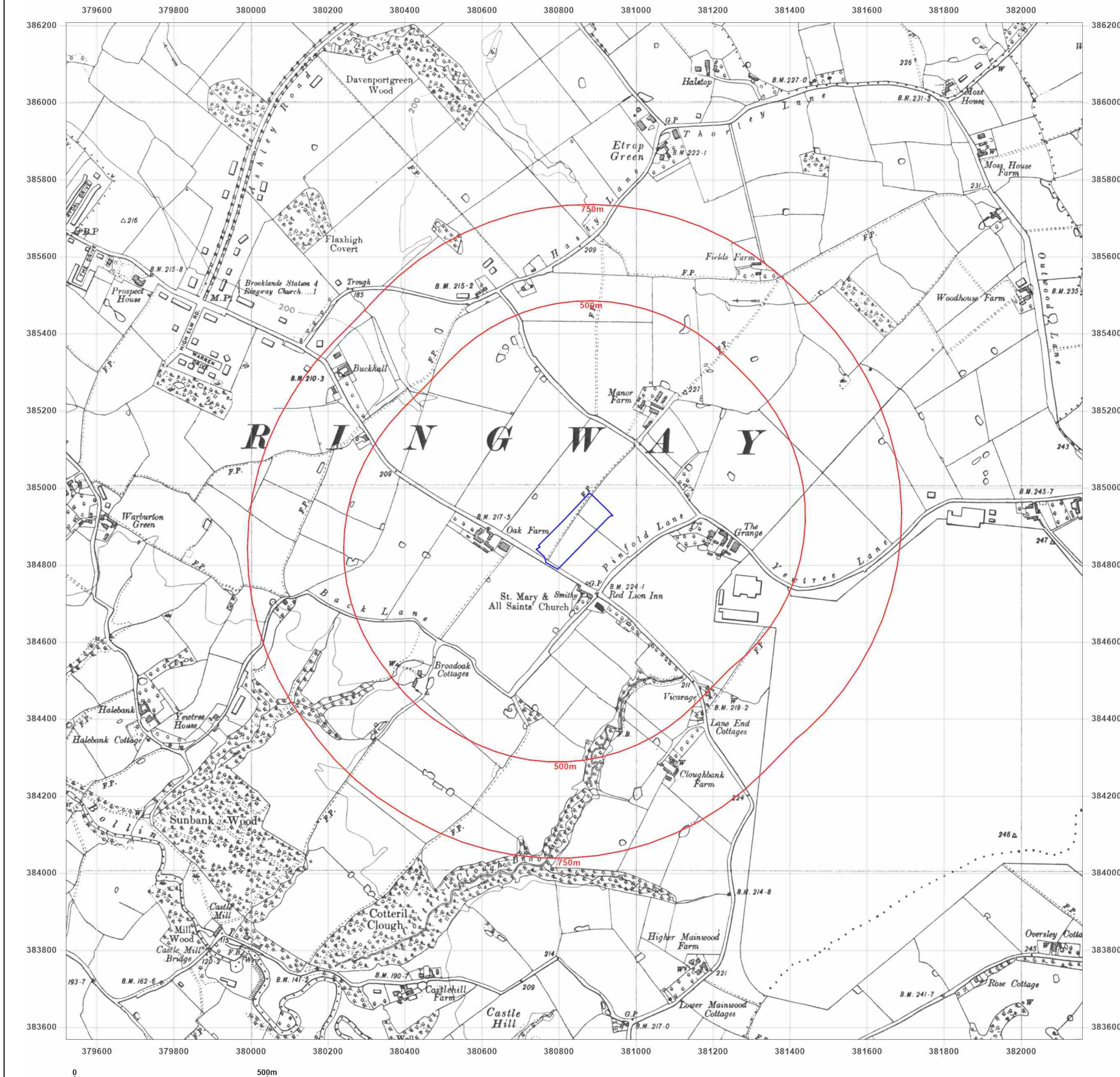


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Client Ref: MAG_-_Building_402_60663052
Report Ref: GS-8497500
Grid Ref: 380839, 384887

Map Name: Provisional

Map date: 1954

Scale: 1:10,560

Printed at: 1:10,560



Surveyed N/A
Revised 1954
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Surveyed 1949
Revised 1954
Edition N/A
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Surveyed N/A
Revised 1954
Edition N/A
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Surveyed N/A
Revised 1953
Edition N/A
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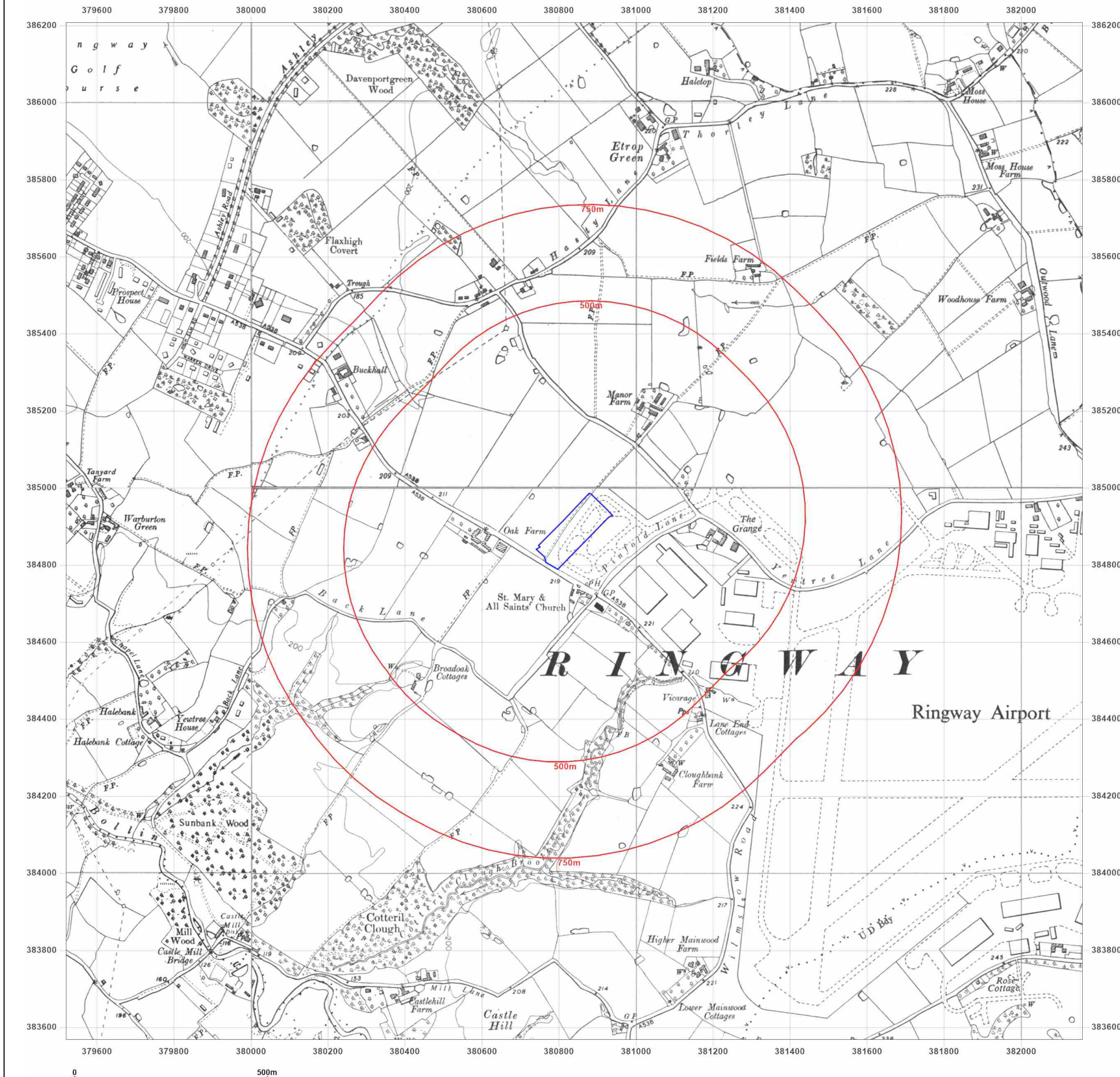


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Client Ref: MAG_-_Building_402_60663052
Report Ref: GS-8497500
Grid Ref: 380839, 384887

Map Name: National Grid

Map date: 1976-1981

Scale: 1:10,000

Printed at: 1:10,000



Surveyed 1976
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Edition N/A
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Revised 1977
Edition N/A
Copyright 1977
Levelled 1964



Surveyed 1973
Revised 1981
Edition N/A
Copyright 1981
Levelled 1981

Surveyed 1973
Revised 1976
Edition N/A
Copyright 1976
Levelled 1977

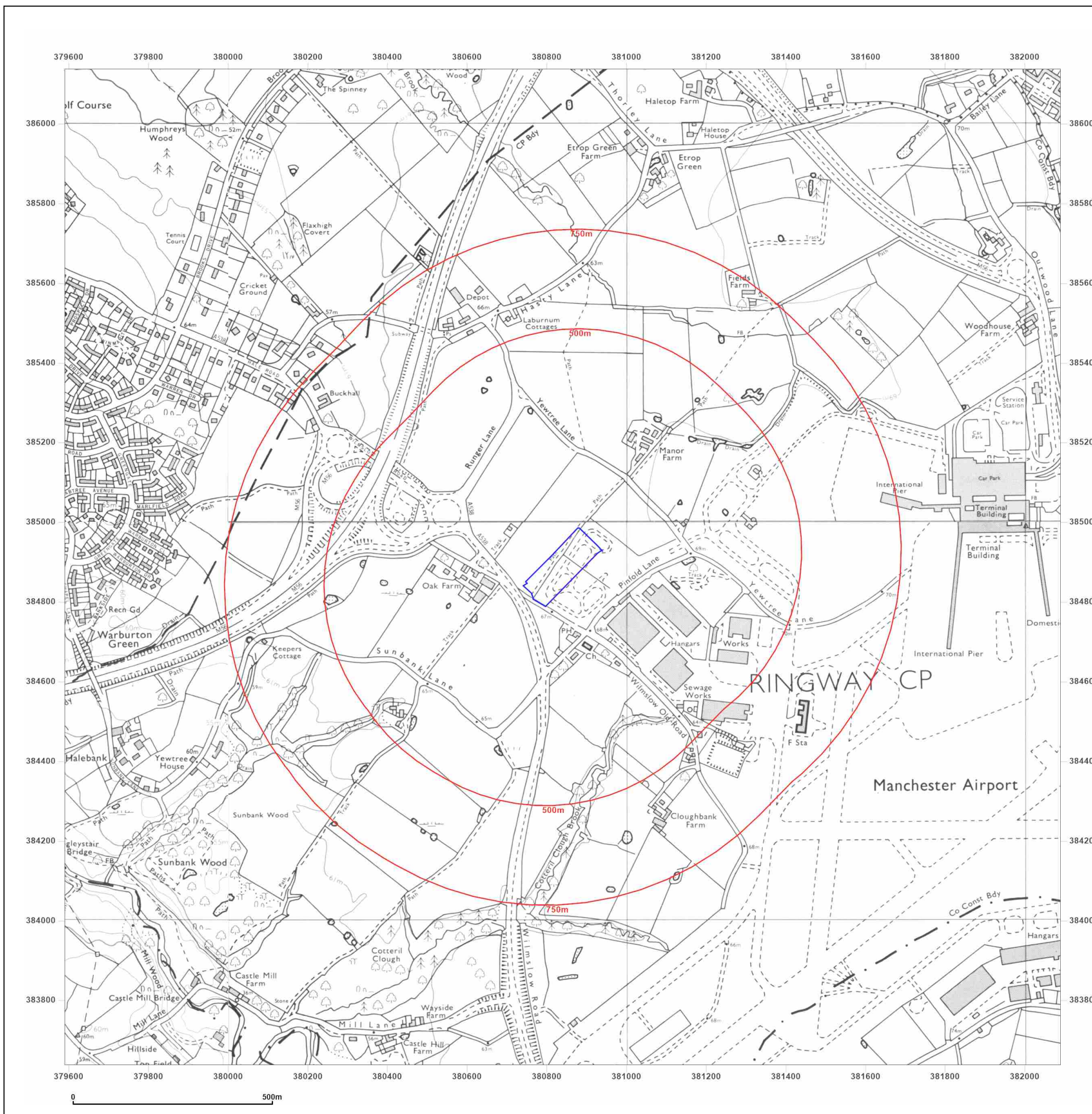


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Client Ref: MAG_-_Building_402_60663052
Report Ref: GS-8497500
Grid Ref: 380839, 384887

Map Name: National Grid

Map date: 1989-1990

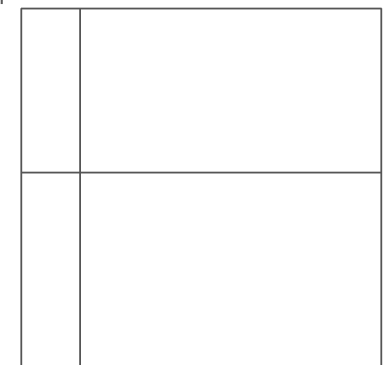
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Surveyed 1988
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Edition N/A
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Levelled 1981

Surveyed 1984
Revised 1989
Edition N/A
Copyright 1989
Levelled 1981



Surveyed 1974
Revised 1989
Edition N/A
Copyright 1989
Levelled 1981

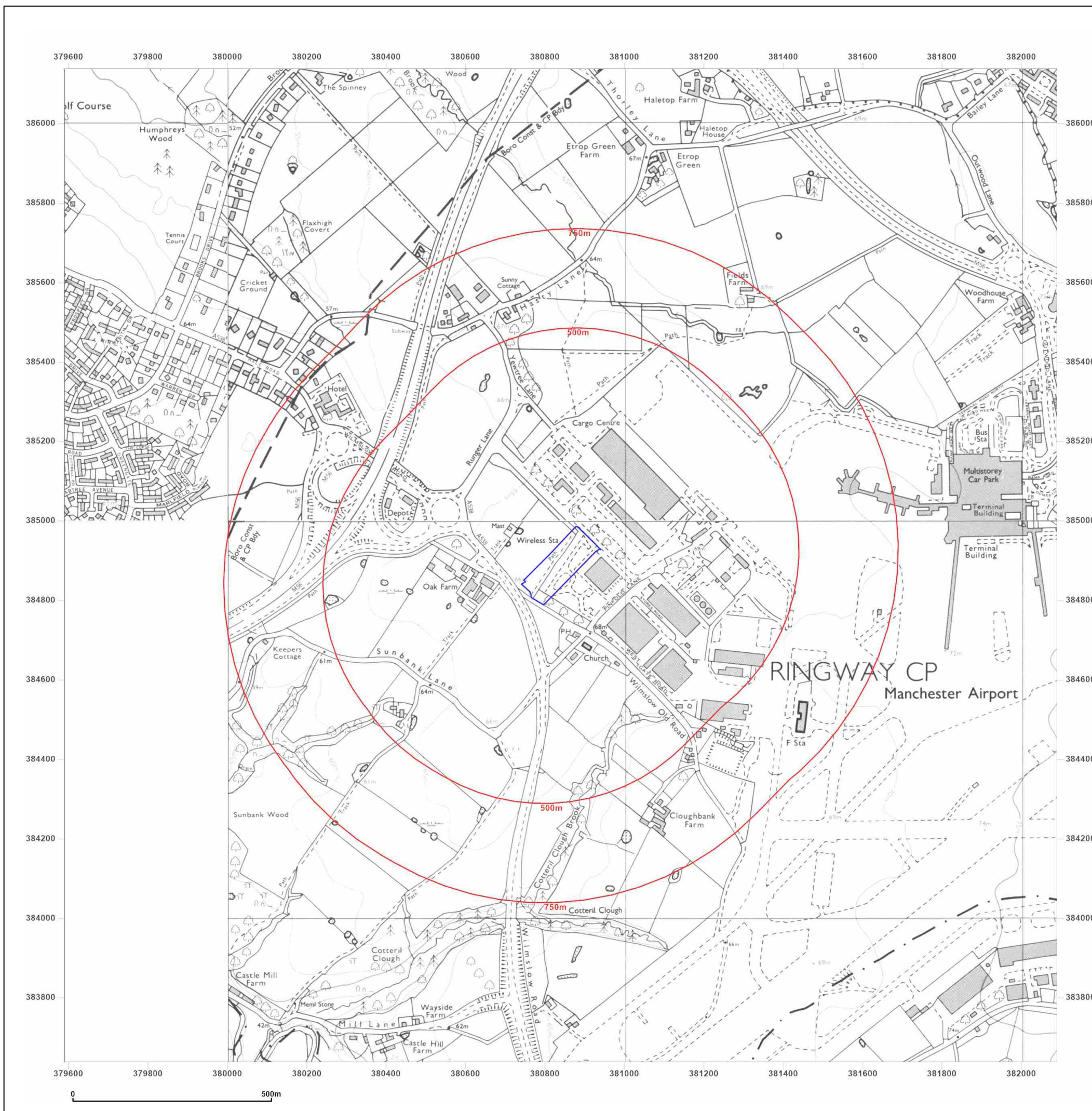


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Report Ref: GS-8497500
Grid Ref: 380839, 384887

Map Name: National Grid

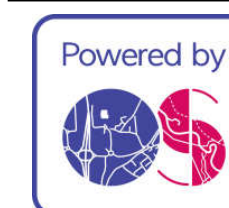
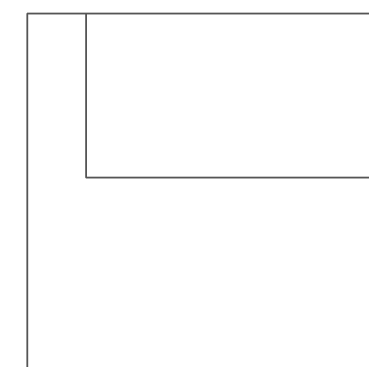
Map date: 1995

Scale: 1:10,000

Printed at: 1:10,000



Surveyed 1984
Revised 1995
Edition N/A
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Levelled 1981

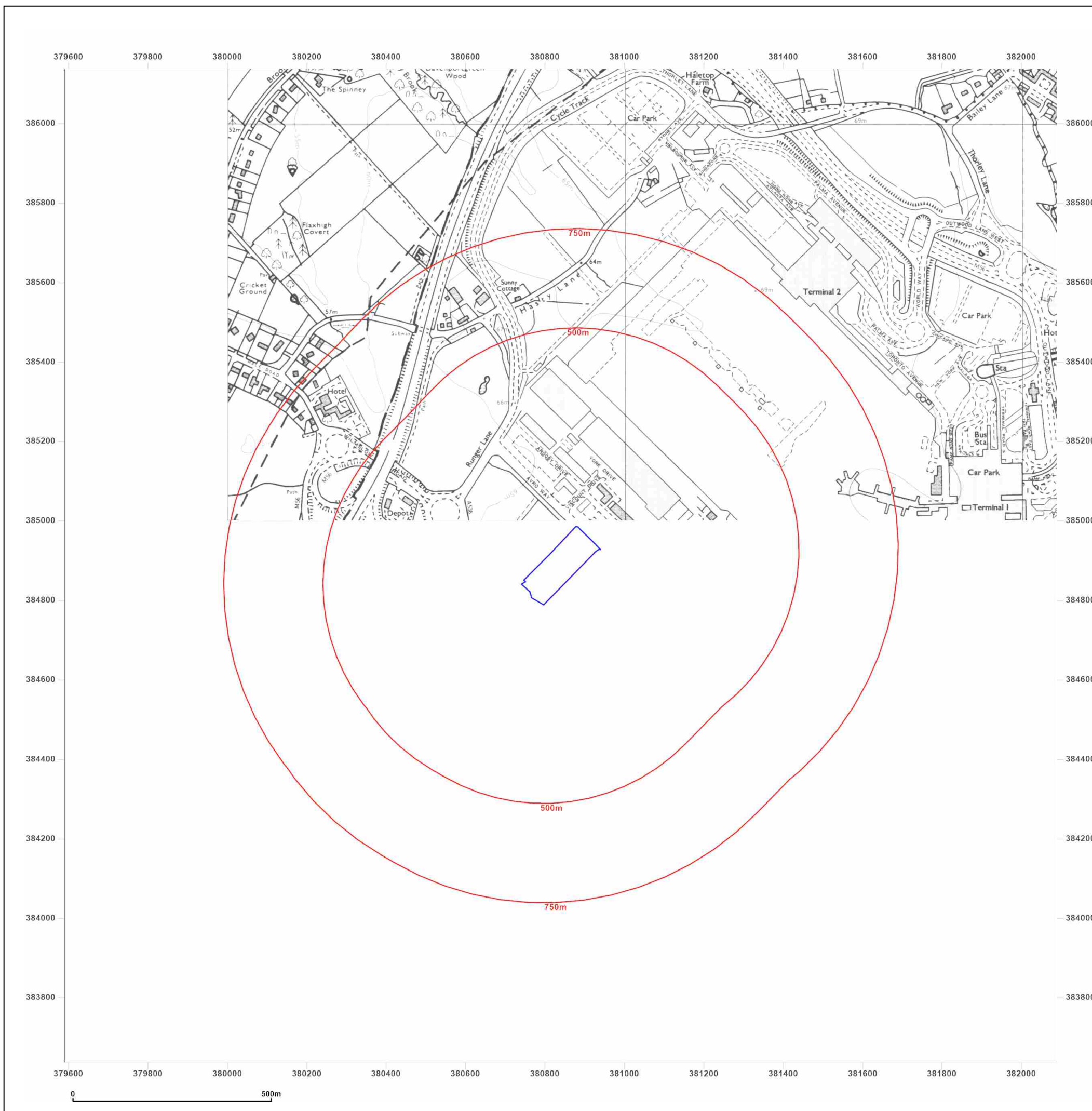


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Client Ref: MAG_-_Building_402_60663052
Report Ref: GS-8497500
Grid Ref: 380839, 384887

Map Name: National Grid

Map date: 2001

Scale: 1:10,000

Printed at: 1:10,000



2001

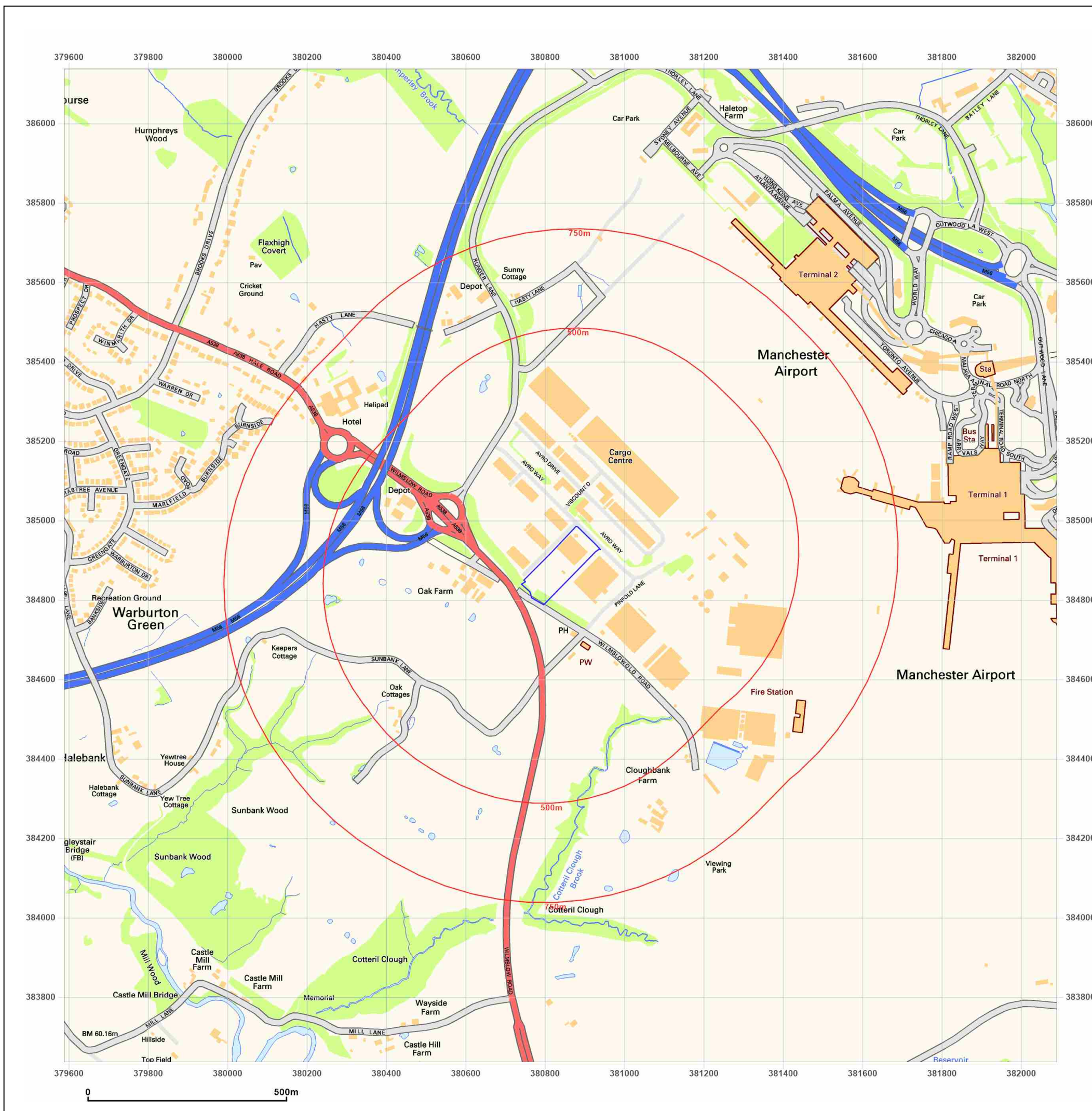


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Client Ref: MAG_-_Building_402_60663052
Report Ref: GS-8497500
Grid Ref: 380839, 384887

Map Name: National Grid

Map date: 2010

Scale: 1:10,000

Printed at: 1:10,000



2010

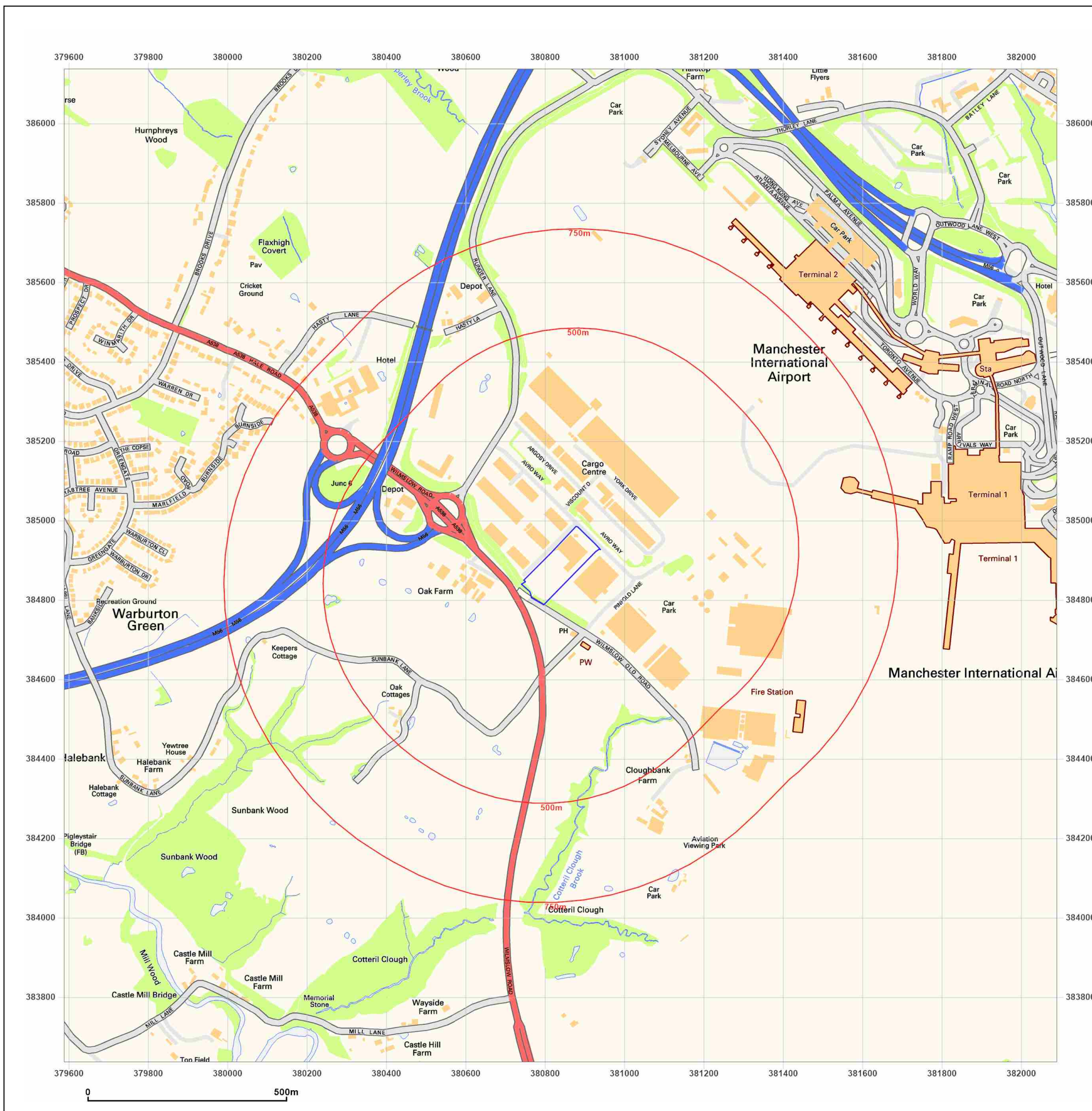


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Client Ref: MAG_-_Building_402_60663052
Report Ref: GS-8497500
Grid Ref: 380839, 384887

Map Name: National Grid

Map date: 2022

Scale: 1:10,000

Printed at: 1:10,000



2022

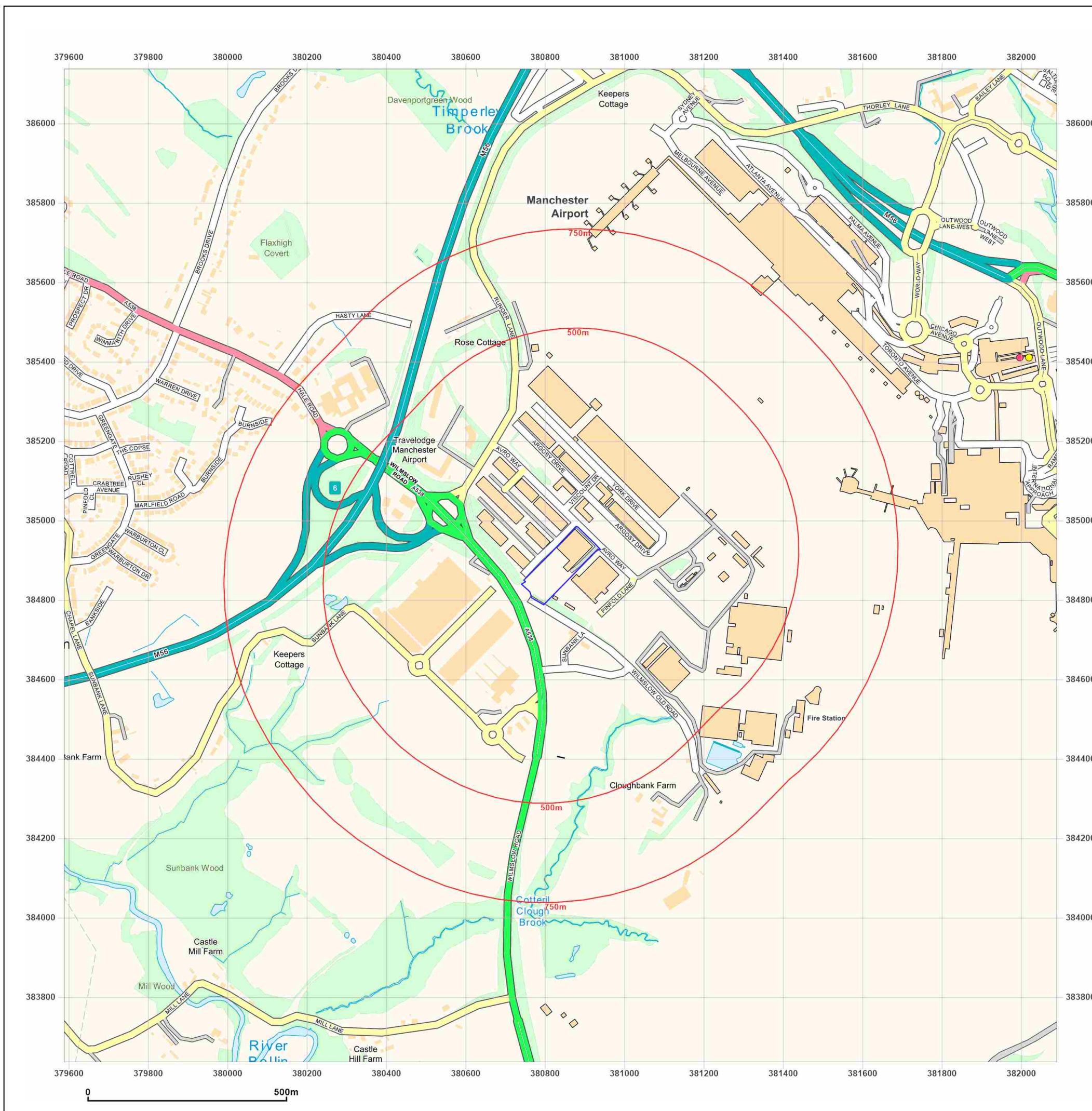


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Production date: 04 February 2022

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ALPHA FLIGHT SERVICES, BUILDING 402, AVRO WAY, MANCHESTER, M90 5AF

Order Details

Date: 04/02/2022
Your ref: MAG_-_Building_402_60663052
Our Ref: GS-8497501
Client: Aecom Infrastructure and Environment UK Ltd

Site Details

Location: 380875 384964
Area: 1.59 ha
Authority: [Manchester City Council](#)



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Summary of findings

p. 2 **Aerial image**

p. 8

OS MasterMap site plan

p.13 groundsure.com/insightuserguide

Summary of findings

Page	Section	Past land use	On site	0-50m	50-250m	250-500m	500-2000m
<u>14</u>	<u>1.1</u>	<u>Historical industrial land uses</u>	2	0	8	14	-
<u>16</u>	<u>1.2</u>	<u>Historical tanks</u>	0	0	5	22	-
<u>17</u>	<u>1.3</u>	<u>Historical energy features</u>	0	1	6	4	-
18	1.4	Historical petrol stations	0	0	0	0	-
18	1.5	Historical garages	0	0	0	0	-
18	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
<u>19</u>	<u>2.1</u>	<u>Historical industrial land uses</u>	3	0	9	16	-
<u>21</u>	<u>2.2</u>	<u>Historical tanks</u>	0	0	12	58	-
<u>23</u>	<u>2.3</u>	<u>Historical energy features</u>	0	1	12	4	-
24	2.4	Historical petrol stations	0	0	0	0	-
24	2.5	Historical garages	0	0	0	0	-
Page	Section	Waste and landfill	On site	0-50m	50-250m	250-500m	500-2000m
26	3.1	Active or recent landfill	0	0	0	0	-
26	3.2	Historical landfill (BGS records)	0	0	0	0	-
27	3.3	Historical landfill (LA/mapping records)	0	0	0	0	-
27	3.4	Historical landfill (EA/NRW records)	0	0	0	0	-
27	3.5	Historical waste sites	0	0	0	0	-
27	3.6	Licensed waste sites	0	0	0	0	-
<u>27</u>	<u>3.7</u>	<u>Waste exemptions</u>	1	0	4	4	-
Page	Section	Current industrial land use	On site	0-50m	50-250m	250-500m	500-2000m
<u>29</u>	<u>4.1</u>	<u>Recent industrial land uses</u>	1	9	42	-	-
<u>33</u>	<u>4.2</u>	<u>Current or recent petrol stations</u>	0	0	0	1	-
34	4.3	Electricity cables	0	0	0	0	-
34	4.4	Gas pipelines	0	0	0	0	-
34	4.5	Sites determined as Contaminated Land	0	0	0	0	-



34	4.6	<u>Control of Major Accident Hazards (COMAH)</u>	0	0	1	0	-
35	4.7	Regulated explosive sites	0	0	0	0	-
35	4.8	<u>Hazardous substance storage/usage</u>	0	0	0	3	-
36	4.9	Historical licensed industrial activities (IPC)	0	0	0	0	-
36	4.10	Licensed industrial activities (Part A(1))	0	0	0	0	-
36	4.11	<u>Licensed pollutant release (Part A(2)/B)</u>	0	0	1	2	-
37	4.12	Radioactive Substance Authorisations	0	0	0	0	-
37	4.13	<u>Licensed Discharges to controlled waters</u>	0	0	0	11	-
39	4.14	Pollutant release to surface waters (Red List)	0	0	0	0	-
39	4.15	Pollutant release to public sewer	0	0	0	0	-
39	4.16	List 1 Dangerous Substances	0	0	0	0	-
39	4.17	List 2 Dangerous Substances	0	0	0	0	-
39	4.18	Pollution Incidents (EA/NRW)	0	0	0	0	-
40	4.19	Pollution inventory substances	0	0	0	0	-
40	4.20	Pollution inventory waste transfers	0	0	0	0	-
40	4.21	Pollution inventory radioactive waste	0	0	0	0	-
Page	Section	Hydrogeology	On site	0-50m	50-250m	250-500m	500-2000m
41	5.1	<u>Superficial aquifer</u>	Identified (within 500m)				
43	5.2	<u>Bedrock aquifer</u>	Identified (within 500m)				
45	5.3	<u>Groundwater vulnerability</u>	Identified (within 50m)				
46	5.4	Groundwater vulnerability- soluble rock risk	None (within 0m)				
46	5.5	Groundwater vulnerability- local information	None (within 0m)				
47	5.6	Groundwater abstractions	0	0	0	0	0
48	5.7	<u>Surface water abstractions</u>	0	0	0	0	5
49	5.8	Potable abstractions	0	0	0	0	0
49	5.9	Source Protection Zones	0	0	0	0	-
50	5.10	Source Protection Zones (confined aquifer)	0	0	0	0	-
Page	Section	Hydrology	On site	0-50m	50-250m	250-500m	500-2000m
51	6.1	Water Network (OS MasterMap)	0	0	0	-	-

51	6.2	Surface water features	0	0	0	-	-
52	6.3	<u>WFD Surface water body catchments</u>	1	-	-	-	-
52	6.4	<u>WFD Surface water bodies</u>	0	0	0	-	-
52	6.5	<u>WFD Groundwater bodies</u>	1	-	-	-	-
Page	Section	River and coastal flooding	On site	0-50m	50-250m	250-500m	500-2000m
54	7.1	Risk of flooding from rivers and the sea	None (within 50m)				
54	7.2	Historical Flood Events	0	0	0	-	-
54	7.3	Flood Defences	0	0	0	-	-
55	7.4	Areas Benefiting from Flood Defences	0	0	0	-	-
55	7.5	Flood Storage Areas	0	0	0	-	-
56	7.6	Flood Zone 2	None (within 50m)				
56	7.7	Flood Zone 3	None (within 50m)				
Page	Section	Surface water flooding					
57	8.1	<u>Surface water flooding</u>	1 in 30 year, 0.3m - 1.0m (within 50m)				
Page	Section	Groundwater flooding					
59	9.1	<u>Groundwater flooding</u>	Low (within 50m)				
Page	Section	Environmental designations	On site	0-50m	50-250m	250-500m	500-2000m
60	10.1	<u>Sites of Special Scientific Interest (SSSI)</u>	0	0	0	1	1
61	10.2	Conserved wetland sites (Ramsar sites)	0	0	0	0	0
61	10.3	Special Areas of Conservation (SAC)	0	0	0	0	0
61	10.4	Special Protection Areas (SPA)	0	0	0	0	0
61	10.5	National Nature Reserves (NNR)	0	0	0	0	0
62	10.6	Local Nature Reserves (LNR)	0	0	0	0	0
62	10.7	<u>Designated Ancient Woodland</u>	0	0	0	1	9
63	10.8	Biosphere Reserves	0	0	0	0	0
63	10.9	Forest Parks	0	0	0	0	0
63	10.10	Marine Conservation Zones	0	0	0	0	0
63	10.11	<u>Green Belt</u>	0	0	0	2	1
64	10.12	Proposed Ramsar sites	0	0	0	0	0



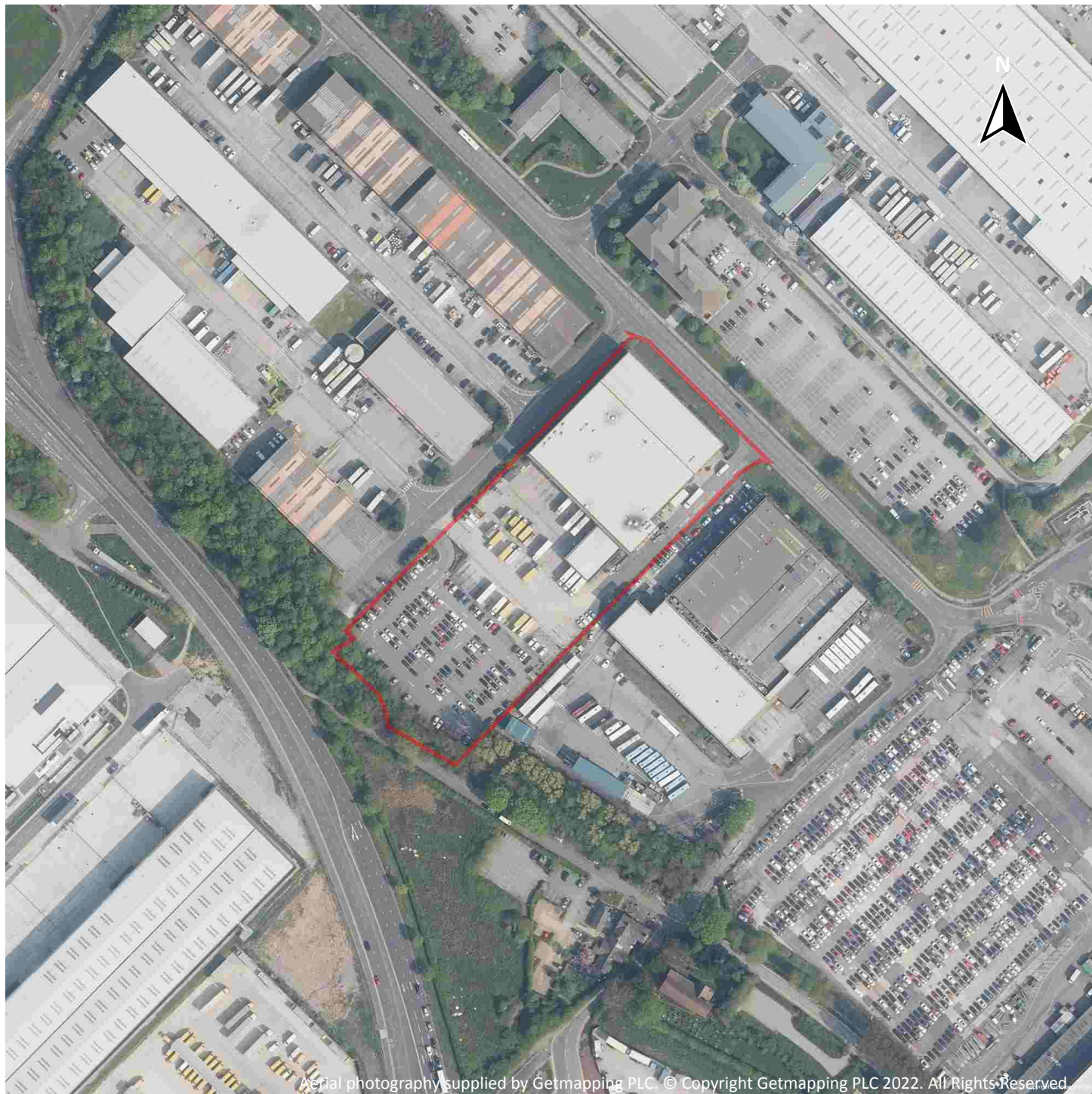
64	10.13	Possible Special Areas of Conservation (pSAC)	0	0	0	0	0
64	10.14	Potential Special Protection Areas (pSPA)	0	0	0	0	0
64	10.15	Nitrate Sensitive Areas	0	0	0	0	0
65	10.16	Nitrate Vulnerable Zones	0	0	0	0	0
66	<u>10.17</u>	<u>SSSI Impact Risk Zones</u>	4	-	-	-	-
69	<u>10.18</u>	<u>SSSI Units</u>	0	0	0	1	1
Page	Section	Visual and cultural designations	On site	0-50m	50-250m	250-500m	500-2000m
70	11.1	World Heritage Sites	0	0	0	-	-
70	11.2	Area of Outstanding Natural Beauty	0	0	0	-	-
70	11.3	National Parks	0	0	0	-	-
70	11.4	Listed Buildings	0	0	0	-	-
71	11.5	Conservation Areas	0	0	0	-	-
71	11.6	Scheduled Ancient Monuments	0	0	0	-	-
71	11.7	Registered Parks and Gardens	0	0	0	-	-
Page	Section	Agricultural designations	On site	0-50m	50-250m	250-500m	500-2000m
72	<u>12.1</u>	<u>Agricultural Land Classification</u>	Grade 3 (within 250m)				
73	12.2	Open Access Land	0	0	0	-	-
73	12.3	Tree Felling Licences	0	0	0	-	-
73	12.4	Environmental Stewardship Schemes	0	0	0	-	-
73	12.5	Countryside Stewardship Schemes	0	0	0	-	-
Page	Section	Habitat designations	On site	0-50m	50-250m	250-500m	500-2000m
74	<u>13.1</u>	<u>Priority Habitat Inventory</u>	4	3	1	-	-
75	13.2	Habitat Networks	0	0	0	-	-
75	13.3	Open Mosaic Habitat	0	0	0	-	-
75	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
76	<u>14.1</u>	<u>10k Availability</u>	Identified (within 500m)				
77	14.2	Artificial and made ground (10k)	0	0	0	0	-
78	<u>14.3</u>	<u>Superficial geology (10k)</u>	1	1	0	0	-

79	14.4	Landslip (10k)	0	0	0	0	-
80	14.5	<u>Bedrock geology (10k)</u>	1	1	2	0	-
81	14.6	<u>Bedrock faults and other linear features (10k)</u>	0	0	2	0	-
Page	Section	Geology 1:50,000 scale	On site	0-50m	50-250m	250-500m	500-2000m
82	15.1	<u>50k Availability</u>	Identified (within 500m)				
83	15.2	Artificial and made ground (50k)	0	0	0	0	-
83	15.3	Artificial ground permeability (50k)	0	0	-	-	-
84	15.4	<u>Superficial geology (50k)</u>	1	0	0	0	-
85	15.5	<u>Superficial permeability (50k)</u>	Identified (within 50m)				
85	15.6	Landslip (50k)	0	0	0	0	-
85	15.7	Landslip permeability (50k)	None (within 50m)				
86	15.8	<u>Bedrock geology (50k)</u>	1	0	0	1	-
87	15.9	<u>Bedrock permeability (50k)</u>	Identified (within 50m)				
87	15.10	<u>Bedrock faults and other linear features (50k)</u>	0	0	0	1	-
Page	Section	Boreholes	On site	0-50m	50-250m	250-500m	500-2000m
88	16.1	<u>BGS Boreholes</u>	1	4	27	-	-
Page	Section	Natural ground subsidence					
91	17.1	<u>Shrink swell clays</u>	Very low (within 50m)				
92	17.2	<u>Running sands</u>	Very low (within 50m)				
94	17.3	<u>Compressible deposits</u>	Negligible (within 50m)				
95	17.4	<u>Collapsible deposits</u>	Very low (within 50m)				
96	17.5	<u>Landslides</u>	Very low (within 50m)				
98	17.6	<u>Ground dissolution of soluble rocks</u>	Negligible (within 50m)				
Page	Section	Mining, ground workings and natural cavities	On site	0-50m	50-250m	250-500m	500-2000m
100	18.1	Natural cavities	0	0	0	0	-
101	18.2	BritPits	0	0	0	0	-
101	18.3	<u>Surface ground workings</u>	0	0	1	-	-
101	18.4	Underground workings	0	0	0	0	0
101	18.5	Historical Mineral Planning Areas	0	0	0	0	-



102	18.6	Non-coal mining	0	0	0	0	0
102	18.7	Mining cavities	0	0	0	0	0
102	18.8	JPB mining areas	None (within 0m)				
102	18.9	Coal mining	None (within 0m)				
102	18.10	<u>Brine areas</u>	Identified (within 0m)				
103	18.11	Gypsum areas	None (within 0m)				
103	18.12	Tin mining	None (within 0m)				
103	18.13	Clay mining	None (within 0m)				
Page	Section	Radon					
104	19.1	<u>Radon</u>	Less than 1% (within 0m)				
Page	Section	Soil chemistry	On site	0-50m	50-250m	250-500m	500-2000m
105	20.1	<u>BGS Estimated Background Soil Chemistry</u>	1	2	-	-	-
105	20.2	BGS Estimated Urban Soil Chemistry	0	0	-	-	-
105	20.3	BGS Measured Urban Soil Chemistry	0	0	-	-	-
Page	Section	Railway infrastructure and projects	On site	0-50m	50-250m	250-500m	500-2000m
106	21.1	Underground railways (London)	0	0	0	-	-
106	21.2	Underground railways (Non-London)	0	0	0	-	-
106	21.3	Railway tunnels	0	0	0	-	-
106	21.4	Historical railway and tunnel features	0	0	0	-	-
106	21.5	Royal Mail tunnels	0	0	0	-	-
107	21.6	Historical railways	0	0	0	-	-
107	21.7	Railways	0	0	0	-	-
107	21.8	Crossrail 1	0	0	0	0	-
107	21.9	Crossrail 2	0	0	0	0	-
107	21.10	HS2	0	0	0	0	-

Recent aerial photograph



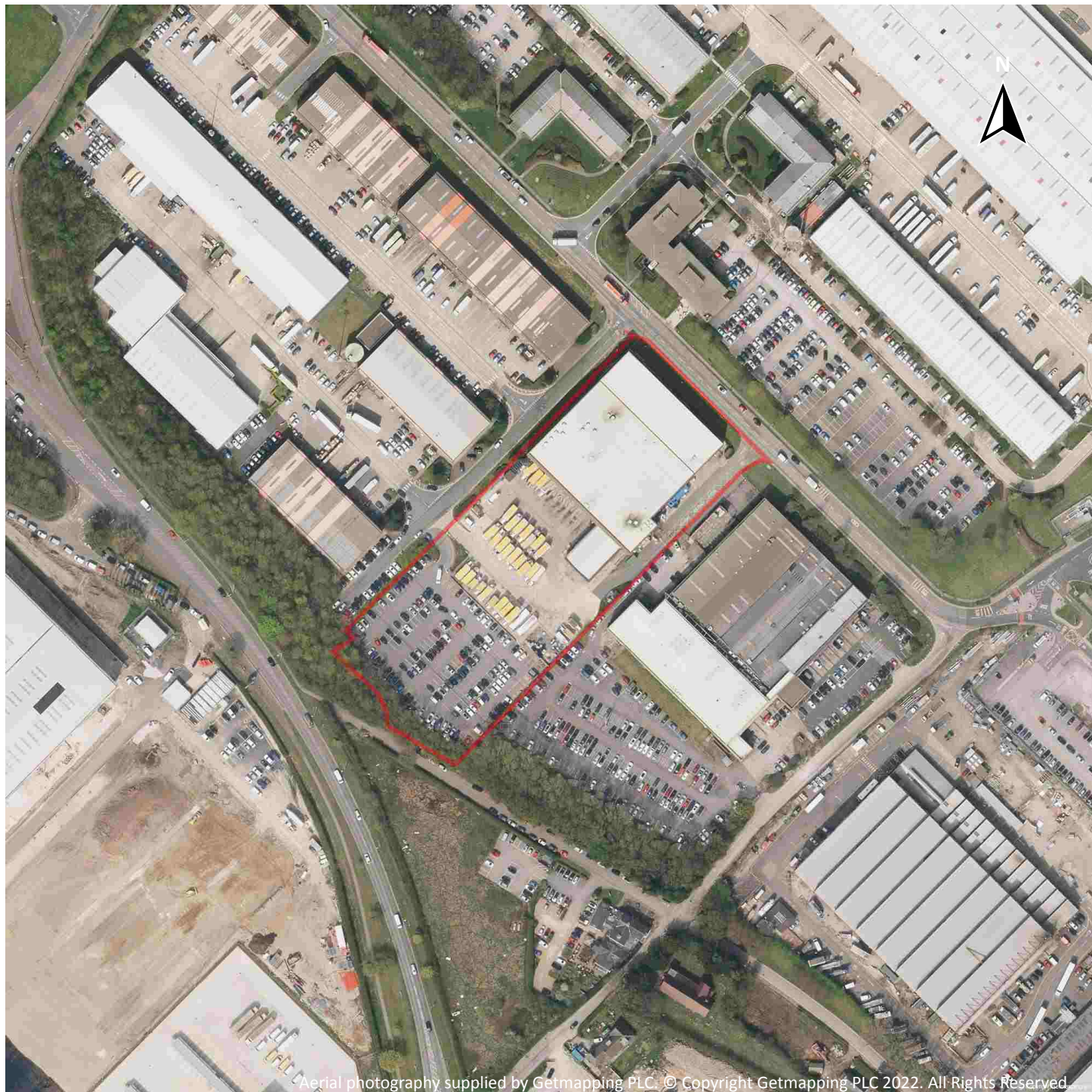
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Capture Date: 22/04/2019

Site Area: 1.59ha



Recent site history - 2016 aerial photograph



Capture Date: 21/04/2016

Site Area: 1.59ha



Recent site history - 2010 aerial photograph



Capture Date: 17/10/2010

Site Area: 1.59ha



Recent site history - 2005 aerial photograph



Capture Date: 02/09/2005

Site Area: 1.59ha



Recent site history - 2000 aerial photograph

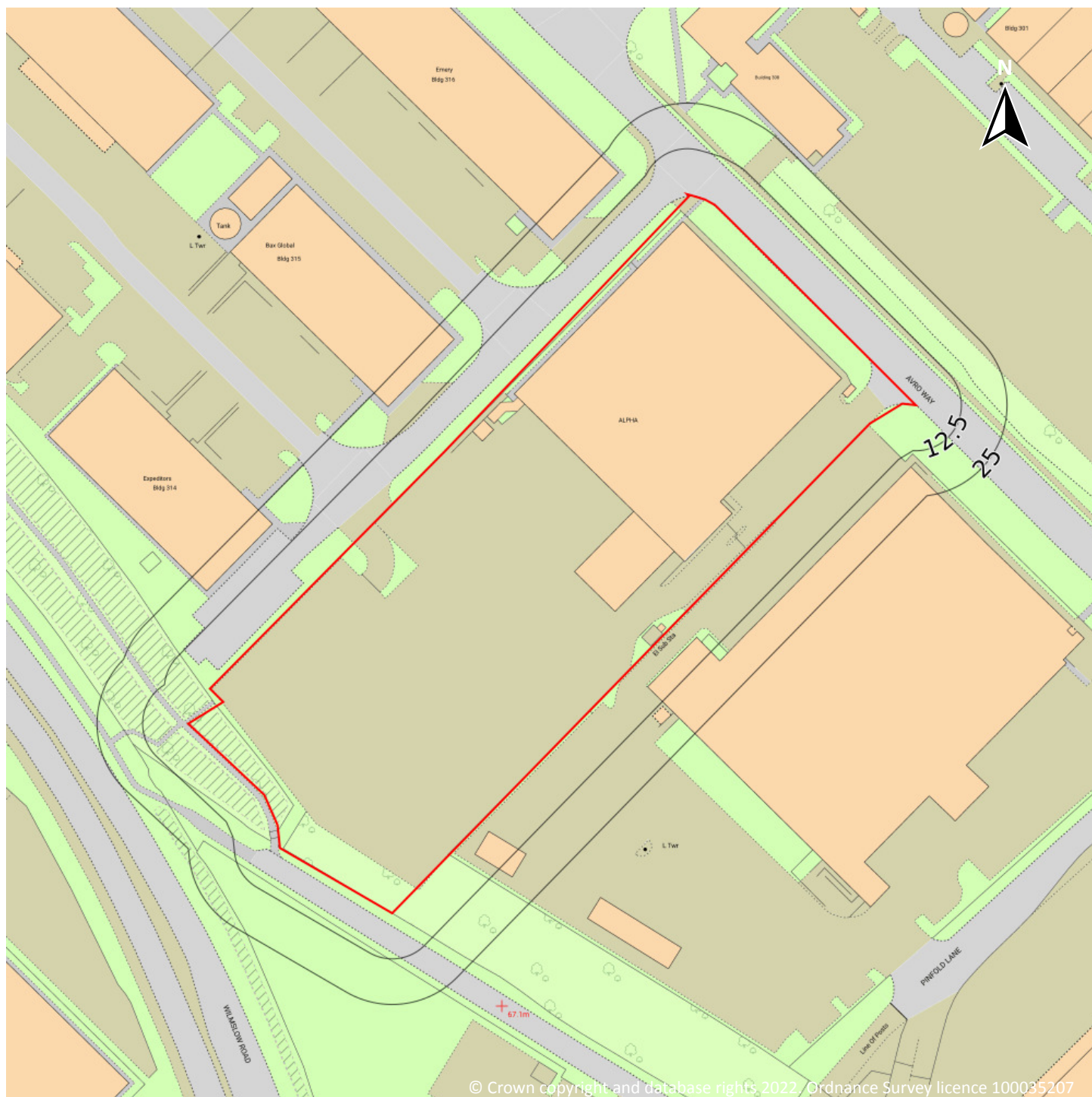


Capture Date: 27/06/2000

Site Area: 1.59ha



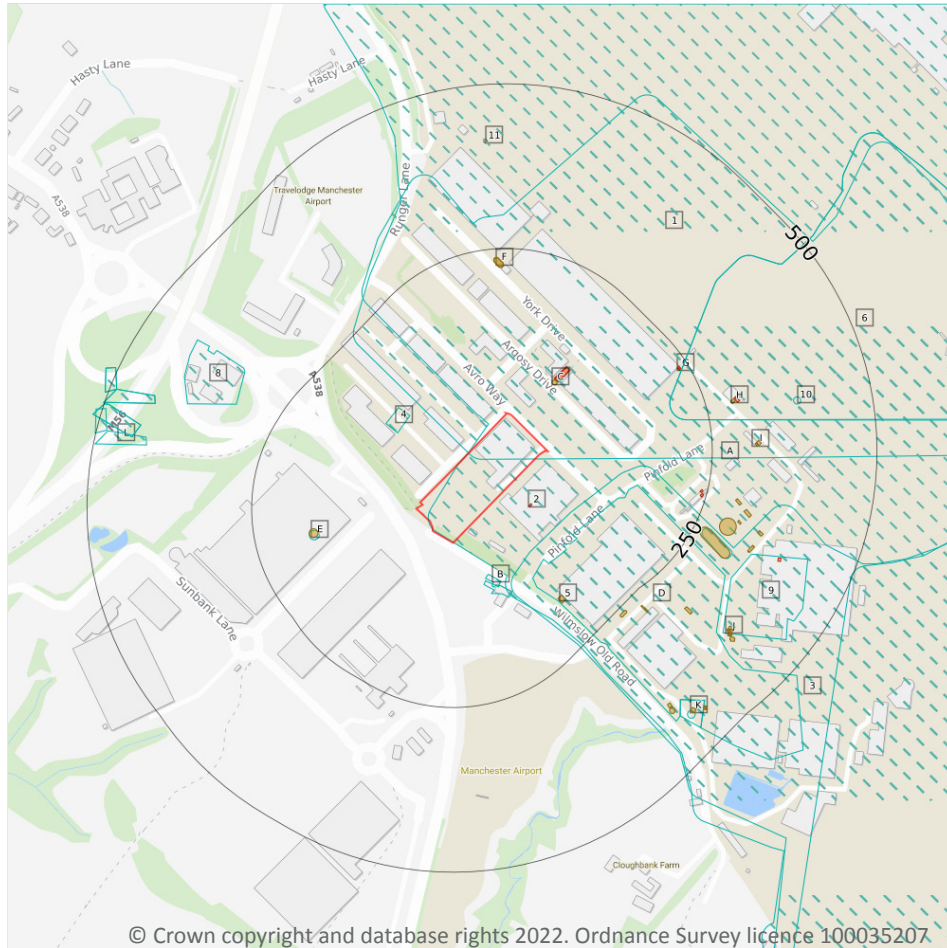
OS MasterMap site plan



Site Area: 1.59ha



1 Past land use



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

1.1 Historical industrial land uses

Records within 500m

24

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 14**

ID	Location	Land use	Dates present	Group ID
1	On site	Airport	1995	845359



ID	Location	Land use	Dates present	Group ID
A	On site	Airport	1989	878654
B	72m SE	Smithy	1938	943361
B	76m SE	Smithy	1899 - 1910	885346
3	93m SE	Airport	1953	989364
4	99m NW	Wireless Station	1989	802256
D	116m SE	Unspecified Commercial/Industrial	1974	796960
E	153m W	Unspecified Tank	1989	825000
6	198m E	Airport	1967	844689
7	198m E	Airport	1974 - 1975	897813
A	264m SE	Unspecified Tanks	1989	815435
8	316m NW	Unspecified Depot	1989 - 1995	914596
9	339m SE	Unspecified Works	1974	830660
10	381m E	Unspecified Tank	1975	824999
K	413m SE	Sewage Works	1974	811850
L	421m W	Cuttings	1995	963338
L	427m W	Cuttings	1989	885508
L	427m W	Cuttings	1975	948076
K	435m SE	Unspecified Tank	1974	824998
L	437m W	Cuttings	1974	862598
L	437m W	Cuttings	1989	899159
L	485m W	Cuttings	1995	946089
L	490m W	Cuttings	1989	847476
L	490m W	Cuttings	1975	953618

This data is sourced from Ordnance Survey / Groundsure.



1.2 Historical tanks

Records within 500m

27

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 14**

ID	Location	Land use	Dates present	Group ID
C	78m NE	Unspecified Tank	1987 - 1995	146099
E	154m W	Unspecified Tank	1987	114872
5	173m SE	Unspecified Tank	1968 - 1987	126292
F	221m N	Tanks	1995	136308
F	222m N	Tanks	1990 - 1991	135148
D	258m SE	Tanks	1995 - 1996	126339
A	260m SE	Tanks	1987 - 1996	137116
D	271m SE	Tanks	1995 - 1996	142707
A	284m SE	Unspecified Tank	1995 - 1996	131170
H	288m E	Unspecified Tank	1987 - 1992	125764
A	295m E	Unspecified Tank	1987 - 1996	143016
A	308m E	Unspecified Tank	1995 - 1996	143549
A	312m E	Unspecified Tank	1987 - 1996	125562
I	315m E	Unspecified Tank	1995 - 1996	131304
D	317m SE	Unspecified Tank	1987 - 1996	128311
I	317m E	Unspecified Tank	1987 - 1990	149283
A	339m SE	Unspecified Tank	1987 - 1996	147552
A	342m E	Unspecified Tank	1987 - 1996	148025
J	383m SE	Tanks	1968	125152
J	383m SE	Tanks	1968	136089
J	387m SE	Unspecified Tank	1987	114873



ID	Location	Land use	Dates present	Group ID
J	395m SE	Unspecified Tank	1987 - 1996	129923
K	404m SE	Unspecified Tank	1995 - 1996	139784
K	412m SE	Unspecified Tank	1995 - 1996	145845
K	434m SE	Unspecified Tank	1987 - 1996	149270
K	445m SE	Unspecified Tank	1987 - 1990	127696
K	448m SE	Unspecified Tank	1995	128767

This data is sourced from Ordnance Survey / Groundsure.

1.3 Historical energy features

Records within 500m

11

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 14**

ID	Location	Land use	Dates present	Group ID
2	43m SE	Electricity Substation	1987	61802
C	85m NE	Electricity Substation	1987 - 1991	78382
C	86m NE	Electricity Substation	1995	66850
G	234m NE	Electricity Substation	1992	68947
G	234m NE	Electricity Substation	1987	64893
A	239m E	Electricity Substation	1987 - 1990	73083
A	241m E	Electricity Substation	1987 - 1996	67847
H	294m E	Electricity Substation	1987	79361
H	294m E	Electricity Substation	1992	64065
A	386m SE	Electricity Substation	1987	61807
11	411m N	Electricity Substation	1990	61816

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

0

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

This data is sourced from Ordnance Survey / Groundsure.

1.6 Historical military land

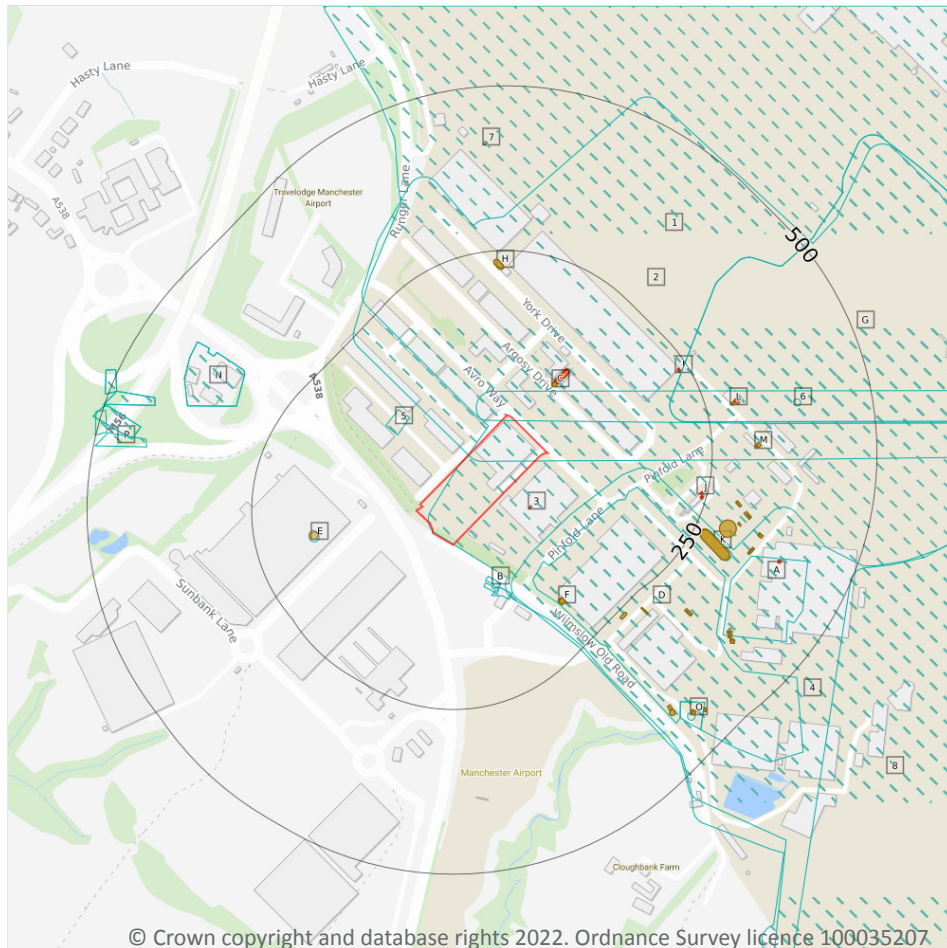
Records within 500m

0

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

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

2 Past land use - un-grouped



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

2.1 Historical industrial land uses

Records within 500m

28

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 19**

ID	Location	Land Use	Date	Group ID
1	On site	Airport	1995	845359
2	On site	Airport	1989	878654
A	On site	Airport	1989	878654



ID	Location	Land Use	Date	Group ID
B	72m SE	Smithy	1938	943361
B	76m SE	Smithy	1899	885346
4	93m SE	Airport	1953	989364
B	94m SE	Smithy	1910	885346
5	99m NW	Wireless Station	1989	802256
D	116m SE	Unspecified Commercial/Industrial	1974	796960
E	153m W	Unspecified Tank	1989	825000
G	198m E	Airport	1967	844689
G	198m E	Airport	1975	897813
K	264m SE	Unspecified Tanks	1989	815435
N	316m NW	Unspecified Depot	1995	914596
N	316m NW	Unspecified Depot	1989	914596
A	339m SE	Unspecified Works	1974	830660
6	381m E	Unspecified Tank	1975	824999
O	413m SE	Sewage Works	1974	811850
P	421m W	Cuttings	1995	963338
P	427m W	Cuttings	1975	948076
P	427m W	Cuttings	1989	885508
O	435m SE	Unspecified Tank	1974	824998
P	437m W	Cuttings	1989	899159
P	437m W	Cuttings	1974	862598
P	485m W	Cuttings	1995	946089
P	490m W	Cuttings	1975	953618
P	490m W	Cuttings	1989	847476
8	499m E	Airport	1974	897813

This data is sourced from Ordnance Survey / Groundsure.



2.2 Historical tanks

Records within 500m

70

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 19**

ID	Location	Land Use	Date	Group ID
C	78m NE	Unspecified Tank	1987	146099
C	78m NE	Unspecified Tank	1990	146099
C	78m NE	Unspecified Tank	1991	146099
C	78m NE	Unspecified Tank	1995	146099
E	154m W	Unspecified Tank	1987	114872
F	173m SE	Unspecified Tank	1987	126292
F	174m SE	Unspecified Tank	1968	126292
F	174m SE	Unspecified Tank	1973	126292
F	175m SE	Unspecified Tank	1968	126292
H	221m N	Tanks	1995	136308
H	222m N	Tanks	1990	135148
H	222m N	Tanks	1991	135148
D	258m SE	Tanks	1995	126339
D	258m SE	Tanks	1996	126339
K	260m SE	Tanks	1987	137116
K	260m SE	Tanks	1990	137116
K	262m SE	Tanks	1995	137116
K	262m SE	Tanks	1996	137116
D	271m SE	Tanks	1995	142707
D	271m SE	Tanks	1996	142707
K	284m SE	Unspecified Tank	1995	131170
K	284m SE	Unspecified Tank	1996	131170
L	288m E	Unspecified Tank	1987	125764



ID	Location	Land Use	Date	Group ID
L	288m E	Unspecified Tank	1992	125764
K	295m E	Unspecified Tank	1987	143016
K	295m E	Unspecified Tank	1990	143016
K	296m E	Unspecified Tank	1995	143016
K	296m E	Unspecified Tank	1996	143016
K	308m E	Unspecified Tank	1995	143549
K	308m E	Unspecified Tank	1996	143549
K	312m E	Unspecified Tank	1987	125562
K	312m E	Unspecified Tank	1990	125562
M	315m E	Unspecified Tank	1995	131304
M	315m E	Unspecified Tank	1996	131304
K	316m E	Unspecified Tank	1995	125562
K	316m E	Unspecified Tank	1996	125562
D	317m SE	Unspecified Tank	1987	128311
D	317m SE	Unspecified Tank	1990	128311
M	317m E	Unspecified Tank	1987	149283
M	317m E	Unspecified Tank	1990	149283
D	320m SE	Unspecified Tank	1995	128311
D	320m SE	Unspecified Tank	1996	128311
K	339m SE	Unspecified Tank	1987	147552
K	339m SE	Unspecified Tank	1990	147552
K	341m SE	Unspecified Tank	1995	147552
K	341m SE	Unspecified Tank	1996	147552
K	342m E	Unspecified Tank	1987	148025
K	342m E	Unspecified Tank	1990	148025
K	343m E	Unspecified Tank	1995	148025
K	343m E	Unspecified Tank	1996	148025
A	383m SE	Tanks	1968	125152

ID	Location	Land Use	Date	Group ID
A	383m SE	Tanks	1968	136089
A	384m SE	Tanks	1968	136089
A	387m SE	Unspecified Tank	1987	114873
A	388m SE	Tanks	1968	125152
A	395m SE	Unspecified Tank	1987	129923
A	395m SE	Unspecified Tank	1990	129923
A	397m SE	Unspecified Tank	1995	129923
A	397m SE	Unspecified Tank	1996	129923
O	404m SE	Unspecified Tank	1995	139784
O	404m SE	Unspecified Tank	1996	139784
O	412m SE	Unspecified Tank	1995	145845
O	412m SE	Unspecified Tank	1996	145845
O	434m SE	Unspecified Tank	1987	149270
O	434m SE	Unspecified Tank	1990	149270
O	436m SE	Unspecified Tank	1995	149270
O	436m SE	Unspecified Tank	1996	149270
O	445m SE	Unspecified Tank	1987	127696
O	445m SE	Unspecified Tank	1990	127696
O	448m SE	Unspecified Tank	1995	128767

This data is sourced from Ordnance Survey / Groundsure.

2.3 Historical energy features

Records within 500m

17

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 19**

ID	Location	Land Use	Date	Group ID
3	43m SE	Electricity Substation	1987	61802



ID	Location	Land Use	Date	Group ID
C	85m NE	Electricity Substation	1987	78382
C	85m NE	Electricity Substation	1990	78382
C	85m NE	Electricity Substation	1991	78382
C	86m NE	Electricity Substation	1995	66850
I	234m NE	Electricity Substation	1992	68947
I	234m NE	Electricity Substation	1987	64893
J	239m E	Electricity Substation	1987	73083
J	239m E	Electricity Substation	1990	73083
J	241m E	Electricity Substation	1987	67847
J	241m E	Electricity Substation	1990	67847
J	242m E	Electricity Substation	1995	67847
J	242m E	Electricity Substation	1996	67847
L	294m E	Electricity Substation	1987	79361
L	294m E	Electricity Substation	1992	64065
K	386m SE	Electricity Substation	1987	61807
7	411m N	Electricity Substation	1990	61816

This data is sourced from Ordnance Survey / Groundsure.

2.4 Historical petrol stations

Records within 500m

0

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

This data is sourced from Ordnance Survey / Groundsure.

2.5 Historical garages

Records within 500m

0

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



This data is sourced from Ordnance Survey / Groundsure.



3 Waste and landfill



— Site Outline
Search buffers in metres (m)
● Waste exemptions

3.1 Active or recent landfill

Records within 500m

0

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

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

3.2 Historical landfill (BGS records)

Records within 500m

0

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

This data is sourced from the British Geological Survey.

3.3 Historical landfill (LA/mapping records)

Records within 500m**0**

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

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

3.4 Historical landfill (EA/NRW records)

Records within 500m**0**

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

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

3.5 Historical waste sites

Records within 500m**0**

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

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

3.6 Licensed waste sites

Records within 500m**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**9**

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.

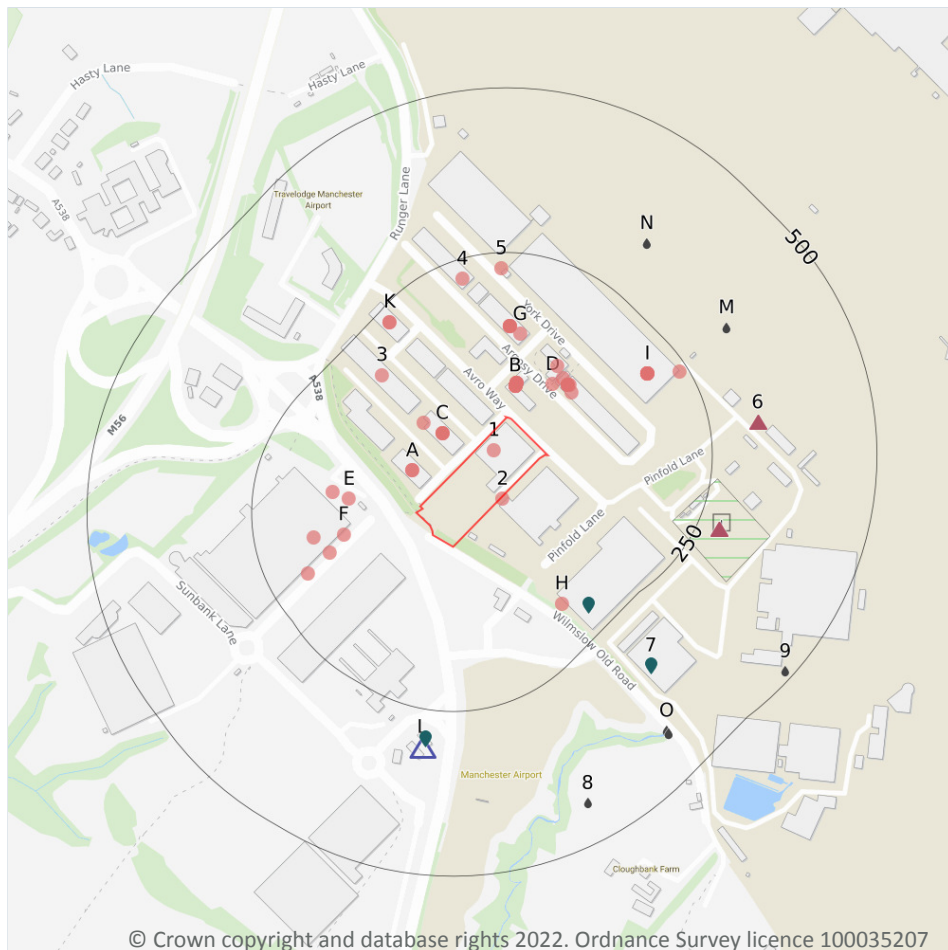
Features are displayed on the Waste and landfill map on **page 26**

ID	Location	Site	Reference	Category	Sub-Category	Description
1	On site	BAM Construction, Pinfold Lane, Avro Way, World Freight Terminal, Manchester Airport, Manchester, M90 5AF	WEX089429	Using waste exemption	Not on a farm	Use of waste in construction
2	209m SW	MAG DHL Warehouse Sunbank Lane	EPR/JE5382DE /A001	Using waste exemption	Non-Agricultural Waste Only	Use of waste in construction
A	237m SE	Hanger 3 Fuelling Farm Olympic House MANCHESTER M90 1QX	EPR/UE5840M Z/A001	Using waste exemption	Non-Agricultural Waste Only	Use of waste in construction
A	237m SE	Materials Innovation Factory University of Liverpool Grove Street Liverpool L69 7ZJ	EPR/HE5744G P/A001	Treating waste exemption	Non-Agricultural Waste Only	Treatment of waste wood and waste plant matter by chipping, shredding, cutting or pulverising
A	237m SE	Materials Innovation Factory University of Liverpool Grove Street Liverpool L69 7ZJ	EPR/HE5744G P/A001	Using waste exemption	Non-Agricultural Waste Only	Use of waste in construction
3	356m E	Manchester Airport, Pinfold Lane, off Avro Way, Manchester, M90 5XA	WEX162999	Using waste exemption	Not on a Farm	Use of waste in construction
B	396m NW	Hale Depot, M56 Hunction 6, Wilmslow Road Roundabout, Hale, Altrincham, WA15 8XL	WEX164848	Treating waste exemption	Not on a Farm	Treatment of waste aerosol cans
B	396m NW	Hale Motorway Maintenance Compound, Wilmslow Road Roundabout, Hale, Altrincham, WA15 8XL	WEX168955	Storing waste exemption	Not on a farm	Storage of waste in secure containers
B	396m NW	Hale Motorway Maintenance Compound, Wilmslow Road Roundabout, Hale, Altrincham, WA15 8XL	WEX168955	Storing waste exemption	Not on a farm	Storage of waste in a secure place

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



4 Current industrial land use



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

4.1 Recent industrial land uses

Records within 250m

52

Current potentially contaminative industrial sites.

Features are displayed on the Current industrial land use map on **page 29**

ID	Location	Company	Address	Activity	Category
1	On site	Alpha LSG	402 Avro Way, Manchester Airport, Manchester, Greater Manchester, M90 5AF	Aeroplanes	Industrial Products
2	3m SE	Electricity Sub Station	Greater Manchester, M90	Electrical Features	Infrastructure and Facilities



ID	Location	Company	Address	Activity	Category
A	47m NW	Mapcargo	1st Floor Building 314, World Freight Terminal, Manchester Airport, Manchester, Greater Manchester, M90 5EX	Distribution and Haulage	Transport, Storage and Delivery
A	47m NW	Air Menzies International	Building 314, World Freight Terminal, Manchester Airport, Manchester, Greater Manchester, M90 5EX	Distribution and Haulage	Transport, Storage and Delivery
B	50m N	Evolution Logistics	Room 108-110 Building 308, World Freight Terminal, Manchester Airport, Manchester, Greater Manchester, M90 5PZ	Distribution and Haulage	Transport, Storage and Delivery
B	50m N	E M S Cargo Ltd	Room 11-14 Building 308, World Freight Terminal, Manchester Airport, Manchester, Greater Manchester, M90 5PZ	Distribution and Haulage	Transport, Storage and Delivery
B	50m N	Atlantic Pacific Global Logistics	Room 201-202 Building 308, World Freight Terminal, Manchester Airport, Manchester, Greater Manchester, M90 5PZ	Distribution and Haulage	Transport, Storage and Delivery
B	50m N	Air Sea Worldwide	Room 101-102 Building 308, World Freight Terminal, Manchester Airport, Manchester, Greater Manchester, M90 5PZ	Airlines and Airline Services	Transport, Storage and Delivery
B	50m N	R & M Developments Ltd	Room 212, Building 308 World Freight Terminal, Manchester Airport, Manchester, Greater Manchester, M90 5PZ	Civil Engineers	Engineering Services
B	50m N	A Z Freight Services Ltd	Building 308 Room 5 Manchester Airport, Ringway Road, Manchester, Greater Manchester, M90 5PZ	Airlines and Airline Services	Transport, Storage and Delivery
C	54m NW	Tranzfast Logistica UK Ltd	Building 315, World Freight Terminal, Manchester Airport, Manchester, Greater Manchester, M90 5BG	Airlines and Airline Services	Transport, Storage and Delivery
C	54m NW	Red Head International	Building 315, World Freight Terminal, Manchester Airport, Manchester, Greater Manchester, M90 5BG	Distribution and Haulage	Transport, Storage and Delivery
C	54m NW	D B Schenker	Building 315 World Freight Terminal, Manchester Airport, Manchester, Greater Manchester, M90 5BG	Distribution and Haulage	Transport, Storage and Delivery
B	55m N	Future Forwarding	Building 308, World Freight Terminal, Manchester Airport, Manchester, Greater Manchester, M90 5PZ	Distribution and Haulage	Transport, Storage and Delivery
B	55m N	Puma Cargo Ltd	Room 11-14 Building 308, World Freight Terminal, Manchester Airport, Manchester, Greater Manchester, M90 5PZ	Distribution and Haulage	Transport, Storage and Delivery



ID	Location	Company	Address	Activity	Category
B	55m N	A I T Worldwide Logistics Ltd	Building 308, World Freight Terminal, Manchester Airport, Manchester, Greater Manchester, M90 5PZ	Airlines and Airline Services	Transport, Storage and Delivery
B	55m N	C B I Global Freight Manageme nt	Room 213-214 Building 308, World Freight Terminal, Manchester Airport, Manchester, Greater Manchester, M90 5PZ	Distribution and Haulage	Transport, Storage and Delivery
B	55m N	Maurice Ward Group	Building 308, World Freight Terminal, Manchester Airport, Manchester, Greater Manchester, M90 5PZ	Distribution and Haulage	Transport, Storage and Delivery
D	82m NE	Tank	Greater Manchester, M90	Tanks (Generic)	Industrial Features
C	85m NW	Tank	Greater Manchester, M90	Tanks (Generic)	Industrial Features
D	94m NE	Air Canada	Building 300, World Freight Terminal, Manchester Airport, Manchester, Greater Manchester, M90 5UY	Distribution and Haulage	Transport, Storage and Delivery
D	97m NE	N N R Global Logistics	Unit 2 Building 301, World Freight Terminal, Manchester Airport, Manchester, Greater Manchester, M90 5UX	Distribution and Haulage	Transport, Storage and Delivery
D	98m NE	Davies Turner Plc	Unit 10 Building 301, World Freight Terminal, Manchester Airport, Manchester, Greater Manchester, M90 5UX	Distribution and Haulage	Transport, Storage and Delivery
D	98m NE	T Q Express	Unit 7 Building 301, World Freight Terminal, Manchester Airport, Manchester, Greater Manchester, M90 5UX	Airlines and Airline Services	Transport, Storage and Delivery
D	98m NE	Warne Heating Ltd	Unit 6 Building 301, World Freight Terminal, Manchester Airport, Manchester, Greater Manchester, M90 5UX	Industrial Repairs and Servicing	Repair and Servicing
D	99m NE	Electricity Sub Station	Greater Manchester, M90	Electrical Features	Infrastructure and Facilities
D	99m NE	Select Euro Transport	Unit 11 Building 301, World Freight Terminal, Manchester Airport, Manchester, Greater Manchester, M90 5UX	Distribution and Haulage	Transport, Storage and Delivery
E	104m W	Electricity Sub Station	Greater Manchester, M90	Electrical Features	Infrastructure and Facilities
D	107m NE	Vantec World Transport Manchester	Room 117-119 Building 308, World Freight Terminal, Manchester Airport, Manchester, Greater Manchester, M90 5PZ	Distribution and Haulage	Transport, Storage and Delivery
F	115m W	Electricity Sub Station	Greater Manchester, M90	Electrical Features	Infrastructure and Facilities



ID	Location	Company	Address	Activity	Category
G	128m N	A F I	Unit 1/a Building 303, World Freight Terminal, Manchester Airport, Manchester, Greater Manchester, M90 5UJ	Airlines and Airline Services	Transport, Storage and Delivery
E	131m W	Masts (Telecommunication)	Greater Manchester, M90	Telecommunications Features	Infrastructure and Facilities
G	138m N	S O S Air Cargo Ltd	Unit 1a Building 303, World Freight Terminal, Manchester Airport, Manchester, Greater Manchester, M90 5UJ	Distribution and Haulage	Transport, Storage and Delivery
G	138m N	Blacksmith Freight Services	Unit 5 Building 303, World Freight Terminal, Manchester Airport, Manchester, Greater Manchester, M90 5UJ	Distribution and Haulage	Transport, Storage and Delivery
G	138m N	Fedex Trade Networks	Unit 2 Building 303, World Freight Terminal, Manchester Airport, Manchester, Greater Manchester, M90 5UJ	Airlines and Airline Services	Transport, Storage and Delivery
G	138m N	Trilogy Freight	Unit 1a Building 303, World Freight Terminal, Manchester Airport, Manchester, Greater Manchester, M90 5UJ	Distribution and Haulage	Transport, Storage and Delivery
F	145m SW	Electricity Sub Station	Greater Manchester, M90	Electrical Features	Infrastructure and Facilities
F	161m W	Tank	Greater Manchester, M90	Tanks (Generic)	Industrial Features
H	178m SE	Tank	Greater Manchester, M90	Tanks (Generic)	Industrial Features
3	181m NW	Alpha LSG	Building 319 World Cargo Centre Manchester Airport, Manchester Airport, Manchester, Greater Manchester, M90 5EX	Aeroplanes	Industrial Products
F	189m SW	Electricity Sub Station	Greater Manchester, M90	Electrical Features	Infrastructure and Facilities
I	196m NE	Air Liaison	Building 300, World Freight Terminal, Manchester Airport, Manchester, Greater Manchester, M90 5UY	Airlines and Airline Services	Transport, Storage and Delivery
I	196m NE	Singapore Airlines Cargo	Building 300, World Freight Terminal, Manchester Airport, Manchester, Greater Manchester, M90 5UY	Distribution and Haulage	Transport, Storage and Delivery
I	196m NE	Omni Airline Services	Building 300, World Freight Terminal, Manchester Airport, Manchester, Greater Manchester, M90 5BA	Distribution and Haulage	Transport, Storage and Delivery
I	196m NE	Globe Air Cargo	Building 300, World Freight Terminal, Manchester Airport, Manchester, Greater Manchester, M90 5UY	Airlines and Airline Services	Transport, Storage and Delivery



ID	Location	Company	Address	Activity	Category
I	196m NE	Dunwoody Airline	Building 300, World Freight Terminal, Manchester Airport, Manchester, Greater Manchester, M90 5UY	Distribution and Haulage	Transport, Storage and Delivery
I	196m NE	Airline Cargo Management Ltd	Building 300, World Freight Terminal, Manchester Airport, Manchester, Greater Manchester, M90 5BA	Airlines and Airline Services	Transport, Storage and Delivery
4	220m N	Trilogy Freight	Unit 1-2 Building 311, World Freight Terminal, Manchester Airport, Manchester, Greater Manchester, M90 5TE	Distribution and Haulage	Transport, Storage and Delivery
5	226m N	Tank	Greater Manchester, M90	Tanks (Generic)	Industrial Features
K	229m NW	Freightair Services	Building 318, World Freight Terminal, Manchester Airport, Manchester, Greater Manchester, M90 5EX	Airlines and Airline Services	Transport, Storage and Delivery
K	229m NW	Heritage International Freight	Building 320, World Freight Terminal, Manchester Airport, Manchester, Greater Manchester, M90 5EX	Distribution and Haulage	Transport, Storage and Delivery
I	236m NE	Electricity Sub Station	Greater Manchester, M90	Electrical Features	Infrastructure and Facilities

This data is sourced from Ordnance Survey.

4.2 Current or recent petrol stations

Records within 500m

1

Open, closed, under development and obsolete petrol stations.

Features are displayed on the Current industrial land use map on **page 29**

ID	Location	Company	Address	LPG	Status
L	308m S	BP	Wilmslow Road, Icon Manchester Airport, Altrincham, Greater Manchester, WA15 0PT	No	Open

This data is sourced from Experian.



4.3 Electricity cables

Records within 500m

0

High voltage underground electricity transmission cables.

This data is sourced from National Grid.

4.4 Gas pipelines

Records within 500m

0

High pressure underground gas transmission pipelines.

This data is sourced from National Grid.

4.5 Sites determined as Contaminated Land

Records within 500m

0

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

This data is sourced from Local Authority records.

4.6 Control of Major Accident Hazards (COMAH)

Records within 500m

1

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

Features are displayed on the Current industrial land use map on **page 29**

ID	Location	Company	Address	Operational status	Tier
J	214m SE	Air BP Limited	Air BP Limited, Manchester Airport, Pinfold Lane, Manchester, Greater Manchester, M90 5AX	Current COMAH Site	COMAH Lower Tier Operator

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

3

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

Features are displayed on the Current industrial land use map on **page 29**

ID	Location	Details	
J	284m SE	Application reference number: 065383/HSC/SOUTH2/02 Application status: Approved Application date: 03/10/2002 Address: Air BP Ltd, c/o Manchester Airport Storage and Hydrant Company Ltd, Pinfold Lane, Manchester Airport, Manchester, Greater Manchester, England, M90 5XA	Details: Storage Of Jet A1 Fuel Enforcement: No Enforcement Notified Date of enforcement: No Enforcement Notified Comment: No Enforcement Notified
J	284m SE	Application reference number: 065383/HSC/SOUTH2/02 Application status: Historical Consent Application date: 03/10/2002 Address: Pinfold Lane, Manchester Airport, Manchester, M90 5XA	Details: Storage Of Jet A1 Fuel Enforcement: No Enforcement Notified Date of enforcement: No Enforcement Notified Comment: No Enforcement Notified
6	322m E	Application reference number: 059375/HSC/SOUTH2/00 Application status: Unknown Application date: 31/01/2001 Address: Shell UK Ltd, Pinfold Lane, Manchester Airport, Ringway, M90 5XR	Details: Hazardous Substances Consent For Storage Of Aviation AVGAS Enforcement: No Enforcement Notified Date of enforcement: No Enforcement Notified Comment: No Enforcement Notified

This data is sourced from Local Authority records.

4.9 Historical licensed industrial activities (IPC)

Records within 500m

0

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

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

4.10 Licensed industrial activities (Part A(1))

Records within 500m

0

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

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

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

Records within 500m

3

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 29**

ID	Location	Address	Details	
H	208m SE	Fls Aerospace Ltd, Runger Lane, M90 5FL	Process: Respraying of Road Vehicles Status: Historical Permit Permit Type: Part B	Enforcement: No Enforcement Notified Date of enforcement: No Enforcement Notified Comment: No Enforcement Notified
L	294m S	BP Airport City, BP Airport City SF Connect, Airport City South, Wilmslow Road, Manchester, WA15 0PT	Process: Unloading of Petrol into Storage at Service Stations Status: Current Permit Permit Type: Part B	Enforcement: No Enforcement Notified Date of enforcement: No Enforcement Notified Comment: No Enforcement Notified
7	340m SE	Airline Services Limited, Hanger 4, Western Maintenance Area, Manchester Airport M90 5YP	Process: Dry Cleaning Status: Historical Permit Permit Type: Part B	Enforcement: No Enforcement Notified Date of enforcement: No Enforcement Notified Comment: No Enforcement 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 29**

ID	Location	Address	Details	
M	333m NE	MANCHESTER AIRPORT: SITE DRAINAGE, AND CONTAINMENT SYSTEM, OLYMPIC HOUSE, OFF THE DOMESTIC APPROACH ROAD, MANCHESTER, M90 1QX	Effluent Type: TRADE DISCHARGES - SITE DRAINAGE Permit Number: EPRCB3299EN Permit Version: 1 Receiving Water: RIVER BOLLIN & NEARBY TRIBS	Status: NEW ISSUED UNDER EPR 2010 Issue date: 30/10/2015 Effective Date: 16/11/2015 Revocation Date: 14/02/2019
M	333m NE	MANCHESTER AIRPORT: SITE DRAINAGE, AND CONTAINMENT SYSTEM, OLYMPIC HOUSE, OFF THE DOMESTIC APPROACH ROAD, MANCHESTER, M90 1QX	Effluent Type: TRADE DISCHARGES - SITE DRAINAGE Permit Number: EPRCB3299EN Permit Version: 2 Receiving Water: RIVER BOLLIN & NEARBY TRIBS	Status: VARIED UNDER EPR 2010 Issue date: 15/02/2019 Effective Date: 15/02/2019 Revocation Date: -
N	336m NE	AIRCRAFT STANDS SWO, MANCHESTER AIRPORT PLC, RINGWAY, GREATER MANCHESTER	Effluent Type: MISCELLANEOUS DISCHARGES - SURFACE WATER Permit Number: 016991392 Permit Version: 1 Receiving Water: RIVER BOLLIN	Status: REVOKED - UNSPECIFIED Issue date: - Effective Date: 01/10/1994 Revocation Date: 31/10/1994
N	336m NE	AIRCRAFT STANDS SWO, MANCHESTER AIRPORT PLC, RINGWAY, GREATER MANCHESTER	Effluent Type: MISCELLANEOUS DISCHARGES - SURFACE WATER Permit Number: 016991392 Permit Version: 2 Receiving Water: RIVER BOLLIN	Status: REVOKED - UNSPECIFIED Issue date: - Effective Date: 01/11/1994 Revocation Date: 02/12/1994
O	426m SE	MANCHESTER AIRPORT DOUBLEWOOD BROOK, DOUBLE WOOD BROOK OUTFALL, MANCHESTER AIRPORT, MANCHESTER, GREATER MANCHESTER, M90 1QX	Effluent Type: MISCELLANEOUS DISCHARGES - SURFACE WATER Permit Number: 016992832 Permit Version: 1 Receiving Water: COTTERIL CLOUGH BROOK	Status: SURRENDERED UNDER EPR 2010 Issue date: - Effective Date: 30/09/1994 Revocation Date: 16/11/2015



ID	Location	Address	Details	
O	431m SE	MANCHESTER AIRPORT: SITE DRAINAGE, AND CONTAINMENT SYSTEM, OLYMPIC HOUSE, OFF THE DOMESTIC APPROACH ROAD, MANCHESTER, M90 1QX	Effluent Type: TRADE DISCHARGES - SITE DRAINAGE Permit Number: EPRCB3299EN Permit Version: 1 Receiving Water: RIVER BOLLIN & NEARBY TRIBS	Status: NEW ISSUED UNDER EPR 2010 Issue date: 30/10/2015 Effective Date: 16/11/2015 Revocation Date: 14/02/2019
O	431m SE	MANCHESTER AIRPORT: SITE DRAINAGE, AND CONTAINMENT SYSTEM, OLYMPIC HOUSE, OFF THE DOMESTIC APPROACH ROAD, MANCHESTER, M90 1QX	Effluent Type: TRADE DISCHARGES - SITE DRAINAGE Permit Number: EPRCB3299EN Permit Version: 1 Receiving Water: RIVER BOLLIN & NEARBY TRIBS	Status: NEW ISSUED UNDER EPR 2010 Issue date: 30/10/2015 Effective Date: 16/11/2015 Revocation Date: 14/02/2019
O	431m SE	MANCHESTER AIRPORT: SITE DRAINAGE, AND CONTAINMENT SYSTEM, OLYMPIC HOUSE, OFF THE DOMESTIC APPROACH ROAD, MANCHESTER, M90 1QX	Effluent Type: TRADE DISCHARGES - SITE DRAINAGE Permit Number: EPRCB3299EN Permit Version: 2 Receiving Water: RIVER BOLLIN & NEARBY TRIBS	Status: VARIED UNDER EPR 2010 Issue date: 15/02/2019 Effective Date: 15/02/2019 Revocation Date: -
O	431m SE	MANCHESTER AIRPORT: SITE DRAINAGE, AND CONTAINMENT SYSTEM, OLYMPIC HOUSE, OFF THE DOMESTIC APPROACH ROAD, MANCHESTER, M90 1QX	Effluent Type: TRADE DISCHARGES - SITE DRAINAGE Permit Number: EPRCB3299EN Permit Version: 2 Receiving Water: RIVER BOLLIN & NEARBY TRIBS	Status: VARIED UNDER EPR 2010 Issue date: 15/02/2019 Effective Date: 15/02/2019 Revocation Date: -
8	439m SE	THE ROMPER PS, THE ROMPER PUBLIC HOUSE, WILMSLOW ROAD, ALTRINCHAM, GREATER MANCHESTER, WA15 8XJ	Effluent Type: SEWAGE & TRADE COMBINED - UNSPECIFIED Permit Number: 016993171 Permit Version: 1 Receiving Water: COTERILL CLOUGH	Status: POST NRA LEGISLATION WHERE ISSUE DATE > 31-AUG-89 (HISTORIC ONLY) Issue date: 20/03/1997 Effective Date: 20/03/1997 Revocation Date: -
9	487m SE	MANCHESTER AIRPORT DOUBLEWOOD BROOK, DOUBLE WOOD BROOK OUTFALL, MANCHESTER AIRPORT, MANCHESTER, GREATER MANCHESTER, M90 1QX	Effluent Type: SEWAGE DISCHARGES - FINAL/TREATED EFFLUENT - NOT WATER COMPANY Permit Number: 016990207 Permit Version: 1 Receiving Water: COTTERILL CLOUGH BROOK	Status: REVOKED - UNSPECIFIED Issue date: - Effective Date: 01/06/1980 Revocation Date: 26/04/1991

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



4.14 Pollutant release to surface waters (Red List)

Records within 500m**0**

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

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

4.15 Pollutant release to public sewer

Records within 500m**0**

Discharges of Special Category Effluents to the public sewer.

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

4.16 List 1 Dangerous Substances

Records within 500m**0**

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

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

4.17 List 2 Dangerous Substances

Records within 500m**0**

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

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

4.18 Pollution Incidents (EA/NRW)

Records within 500m**0**

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

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



4.19 Pollution inventory substances

Records within 500m**0**

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

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

4.20 Pollution inventory waste transfers

Records within 500m**0**

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

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

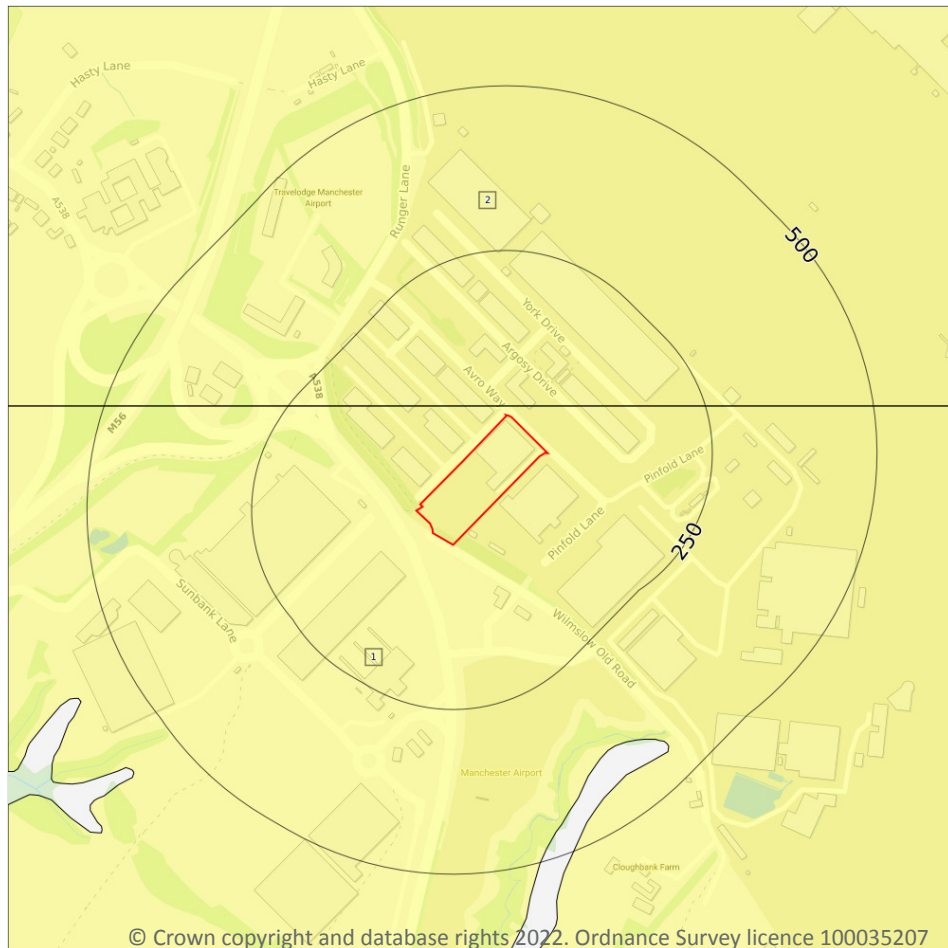
4.21 Pollution inventory radioactive waste

Records within 500m**0**

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

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

5 Hydrogeology - Superficial aquifer



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

5.1 Superficial aquifer

Records within 500m

2

Aquifer status of groundwater held within superficial geology.

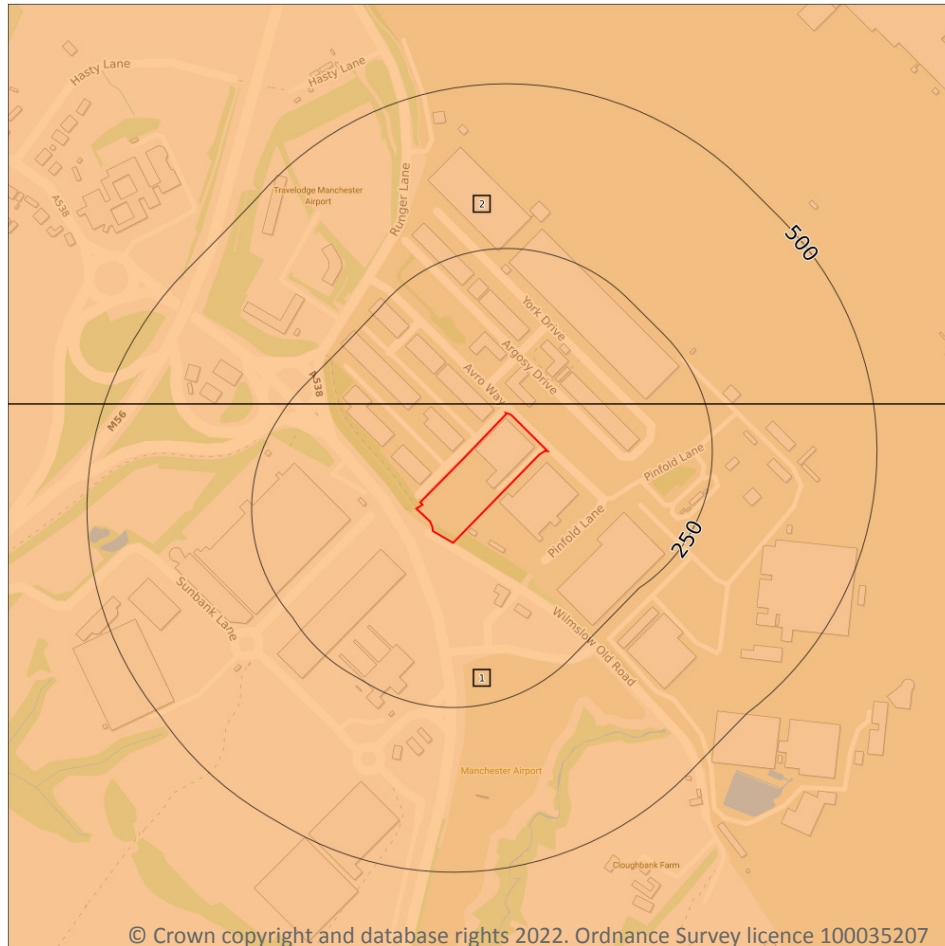
Features are displayed on the Hydrogeology map on **page 41**

ID	Location	Designation	Description
1	On site	Secondary Undifferentiated	Assigned where it is not possible to attribute either category A or B to a rock type. In general these layers have previously been designated as both minor and non-aquifer in different locations due to the variable characteristics of the rock type
2	14m N	Secondary Undifferentiated	Assigned where it is not possible to attribute either category A or B to a rock type. In general these layers have previously been designated as both minor and non-aquifer in different locations due to the variable characteristics of the rock type

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



Bedrock aquifer



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

5.2 Bedrock aquifer

Records within 500m

2

Aquifer status of groundwater held within bedrock geology.

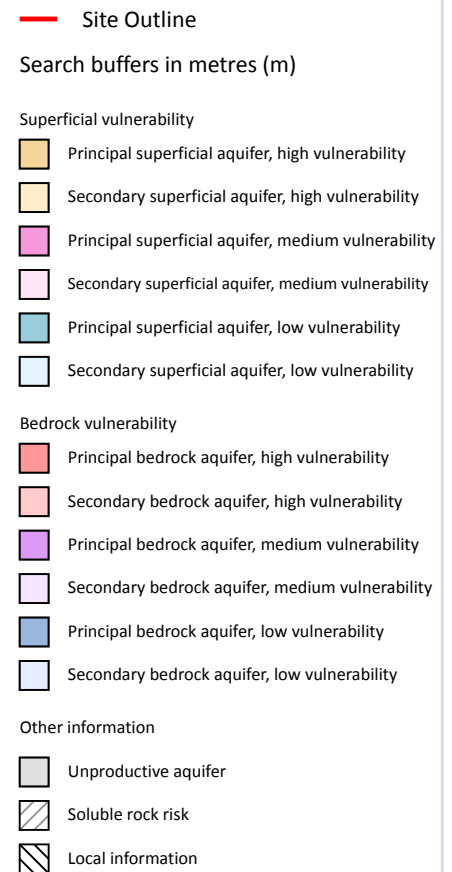
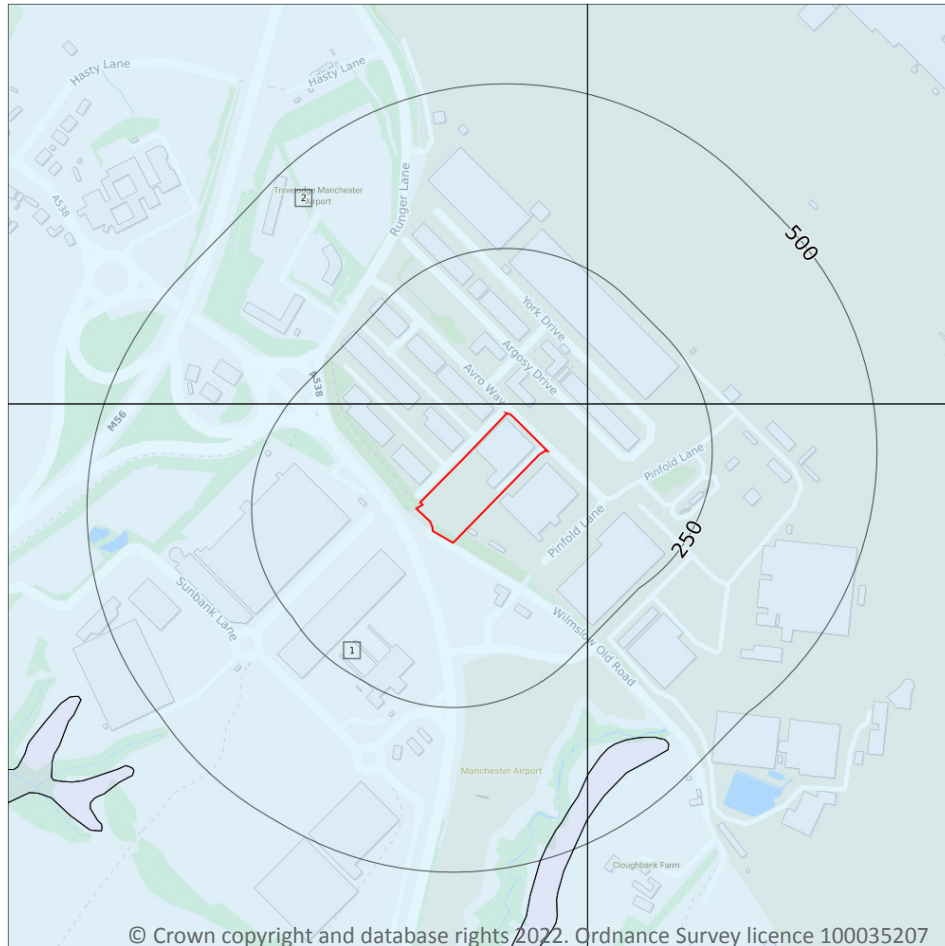
Features are displayed on the Bedrock aquifer map on **page 43**

ID	Location	Designation	Description
1	On site	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
2	14m N	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

2

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 45**

ID	Location	Summary	Soil / surface	Superficial geology	Bedrock geology
1	On site	Summary Classification: Secondary superficial aquifer - Low Vulnerability Combined classification: Productive Bedrock Aquifer, Productive Superficial Aquifer	Leaching class: Low Infiltration value: <40% Dilution value: 300-550mm/year	Vulnerability: Low Aquifer type: Secondary Thickness: 3-10m Patchiness value: >90% Recharge potential: Low	Vulnerability: Low Aquifer type: Secondary Flow mechanism: Well connected fractures
2	14m N	Summary Classification: Secondary superficial aquifer - Low Vulnerability Combined classification: Productive Bedrock Aquifer, Productive Superficial Aquifer	Leaching class: Low Infiltration value: <40% Dilution value: 300-550mm/year	Vulnerability: Low Aquifer type: Secondary Thickness: 3-10m 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
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This dataset identifies areas where solution features that enable rapid movement of a pollutant may be present within a 1km grid square.

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

5.5 Groundwater vulnerability- local information

Records on site	0
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This dataset identifies areas where additional local information affecting vulnerability is held by the Environment Agency. Further information can be obtained by contacting the Environment Agency local Area groundwater team through the Environment Agency National Customer Call Centre on 03798 506 506 or by email on enquiries@environment-agency.gov.uk.

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
Polygon features
- Drinking water abstraction licences
Linear 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 47**

ID	Location	Details	
-	1748m NW	Status: Historical Licence No: 2569017036/R1 Details: Spray Irrigation - Direct Direct Source: Surface, Non-Tidal - North West Region Point: UNDERGROUND STORAGE TANK FED BY LOCAL SURFACE DRAINAGE Data Type: Point Name: RINGWAY GOLF CLUB LIMITED Easting: 379536 Northing: 386114	Annual Volume (m ³): 5000 Max Daily Volume (m ³): 71.5 Original Application No: - Original Start Date: 28/04/2004 Expiry Date: 31/03/2018 Issue No: 1 Version Start Date: 28/04/2004 Version End Date: -
-	1748m NW	Status: Active Licence No: 2569017036/R02 Details: Spray Irrigation - Direct Direct Source: Surface, Non-Tidal - North West Region Point: UNDERGROUND STORAGE TANK FED BY LOCAL SURFACE DRAINAGE Data Type: Point Name: RINGWAY GOLF CLUB LIMITED Easting: 379536 Northing: 386114	Annual Volume (m ³): 5,000 Max Daily Volume (m ³): 60 Original Application No: - Original Start Date: 01/04/2018 Expiry Date: 31/03/2030 Issue No: 1 Version Start Date: 01/04/2018 Version End Date: -
-	1764m NW	Status: Historical Licence No: 2569017036 Details: Spray Irrigation - Direct Direct Source: Surface, Non-Tidal - North West Region Point: UNDERGROUND STORAGE TANK FED BY LOCAL SURFACE DRAINAGE Data Type: Point Name: THE SECRETARY Easting: 379500 Northing: 386100	Annual Volume (m ³): - Max Daily Volume (m ³): - Original Application No: - Original Start Date: 13/07/1999 Expiry Date: 12/07/2004 Issue No: 1 Version Start Date: 13/07/1999 Version End Date: -



ID	Location	Details	
-	1764m NW	Status: Historical Licence No: 2569017036/R1 Details: Spray Irrigation - Direct Direct Source: Surface, Non-Tidal - North West Region Point: UNDERGROUND STORAGE TANK FED BY LOCAL SURFACE DRAINAGE Data Type: Point Name: RINGWAY GOLF CLUB LIMITED Easting: 379500 Northing: 386100	Annual Volume (m ³): - Max Daily Volume (m ³): - Original Application No: - Original Start Date: 28/04/2004 Expiry Date: 31/03/2018 Issue No: 1 Version Start Date: 28/04/2004 Version End Date: -
-	1764m NW	Status: Historical Licence No: 2569017036/R1 Details: Spray Irrigation - Direct Direct Source: Surface, Non-Tidal - North West Region Point: UNDERGROUND STORAGE TANK FED BY LOCAL SURFACE DRAINAGE Data Type: Point Name: RINGWAY GOLF CLUB LIMITED Easting: 379500 Northing: 386100	Annual Volume (m ³): 5000 Max Daily Volume (m ³): 71.5 Original Application No: - Original Start Date: 28/04/2004 Expiry Date: 31/03/2018 Issue No: 1 Version Start Date: 28/04/2004 Version End Date: -

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

5.8 Potable abstractions

Records within 2000m	0
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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
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Source Protection Zones define the sensitivity of an area around a potable abstraction site to contamination.

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

5.10 Source Protection Zones (confined aquifer)

Records within 500m

0

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

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



6 Hydrology



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

6.1 Water Network (OS MasterMap)

Records within 250m

0

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

This data is sourced from the Ordnance Survey.

6.2 Surface water features

Records within 250m

0

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

This data is sourced from the Ordnance Survey.

6.3 WFD Surface water body catchments

Records on site

1

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 51**

ID	Location	Type	Water body catchment	Water body ID	Operational catchment	Management catchment
2	On site	River	Timperley Brook	GB112069061260	Bollin Dean Mersey Upper	Mersey Upper

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 51**

ID	Location	Type	Name	Water body ID	Overall rating	Chemical rating	Ecological rating	Year
-	2236m NW	River	Timperley Brook	GB112069061260	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 51**

ID	Location	Name	Water body ID	Overall rating	Chemical rating	Quantitative	Year
1	On site	Weaver and Dane Quaternary Sand and Gravel Aquifers	<u>GB41202G991700</u>	Poor	Poor	Good	2019

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



7 River and coastal flooding

7.1 Risk of flooding from rivers and 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

0

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

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

7.5 Flood Storage Areas

Records within 250m

0

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

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



River and coastal flooding - Flood Zones

7.6 Flood Zone 2

Records within 50m

0

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

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

7.7 Flood Zone 3

Records within 50m

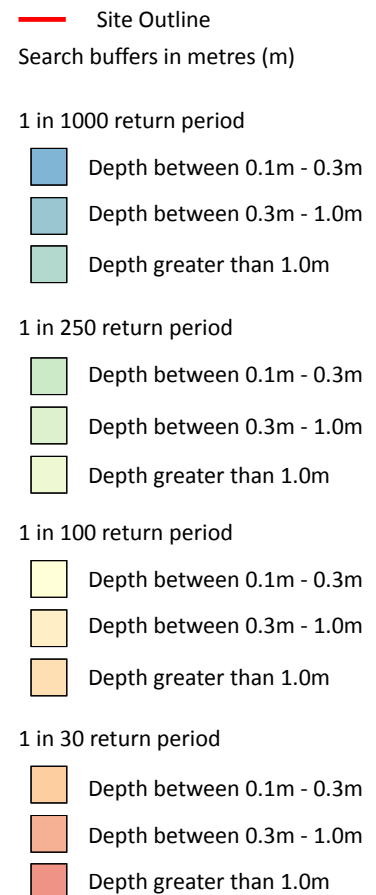
0

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

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



8 Surface water flooding



8.1 Surface water flooding

Highest risk on site

1 in 30 year, 0.1m - 0.3m

Highest risk within 50m

1 in 30 year, 0.3m - 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 57**

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	Between 0.3m and 1.0m
1 in 250 year	Between 0.1m and 0.3m
1 in 100 year	Between 0.1m and 0.3m
1 in 30 year	Between 0.1m and 0.3m

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

Low

Highest risk within 50m

Low

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

Features are displayed on the Groundwater flooding map on **page 59**

This data is sourced from Ambiantal Risk Analytics.

10 Environmental designations



- Site Outline
- Search buffers in metres (m)
- ▤ Sites of Special Scientific Interest (SSSI)
- ▤ Designated Ancient Woodland
- ▤ Green Belt

10.1 Sites of Special Scientific Interest (SSSI)

Records within 2000m

2

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

Features are displayed on the Environmental designations map on **page 60**

ID	Location	Name	Data source
A	426m S	Cotteril Clough	Natural England



ID	Location	Name	Data source
B	758m S	Cotteril Clough	Natural England

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

10.2 Conserved wetland sites (Ramsar sites)

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

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

10.3 Special Areas of Conservation (SAC)

Records within 2000m	0
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Areas which have been identified as best representing the range and variety within the European Union of habitats and (non-bird) species listed on Annexes I and II to the Directive. SACs are designated under the EC Habitats Directive.

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

10.4 Special Protection Areas (SPA)

Records within 2000m	0
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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
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Sites containing examples of some of the most important natural and semi-natural terrestrial and coastal ecosystems in Great Britain. They are managed to conserve their habitats, provide special opportunities for scientific study or to provide public recreation compatible with natural heritage interests.

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

10.6 Local Nature Reserves (LNR)

Records within 2000m

0

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

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

10.7 Designated Ancient Woodland

Records within 2000m

10

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

Features are displayed on the Environmental designations map on **page 60**

ID	Location	Name	Woodland Type
A	318m SE	Cotterill Clough	Ancient & Semi-Natural Woodland
3	503m SW	Sunbank Wood	Ancient & Semi-Natural Woodland
B	758m S	Cotterill Clough	Ancient & Semi-Natural Woodland
4	1040m N	Davenport Green Wood	Ancient & Semi-Natural Woodland
5	1070m SW	Bollin Bank	Ancient & Semi-Natural Woodland
6	1214m W	Hennersley Bank	Ancient & Semi-Natural Woodland
-	1463m W	Warburton Wood	Ancient & Semi-Natural Woodland
9	1627m SE	Oversley Farm Wood	Ancient & Semi-Natural Woodland
-	1863m SW	Unknown	Ancient Replanted Woodland
-	1963m S	Unknown	Ancient & Semi-Natural Woodland

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

10.8 Biosphere Reserves

Records within 2000m**0**

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

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

10.9 Forest Parks

Records within 2000m**0**

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

This data is sourced from the Forestry Commission.

10.10 Marine Conservation Zones

Records within 2000m**0**

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

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

10.11 Green Belt

Records within 2000m**3**

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

Features are displayed on the Environmental designations map on **page 60**

ID	Location	Name	Local Authority name
1	419m NW	Merseyside and Greater Manchester	Manchester
2	467m NW	Merseyside and Greater Manchester	Trafford
7	1226m SW	Merseyside and Greater Manchester	Cheshire East

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

0

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.

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

