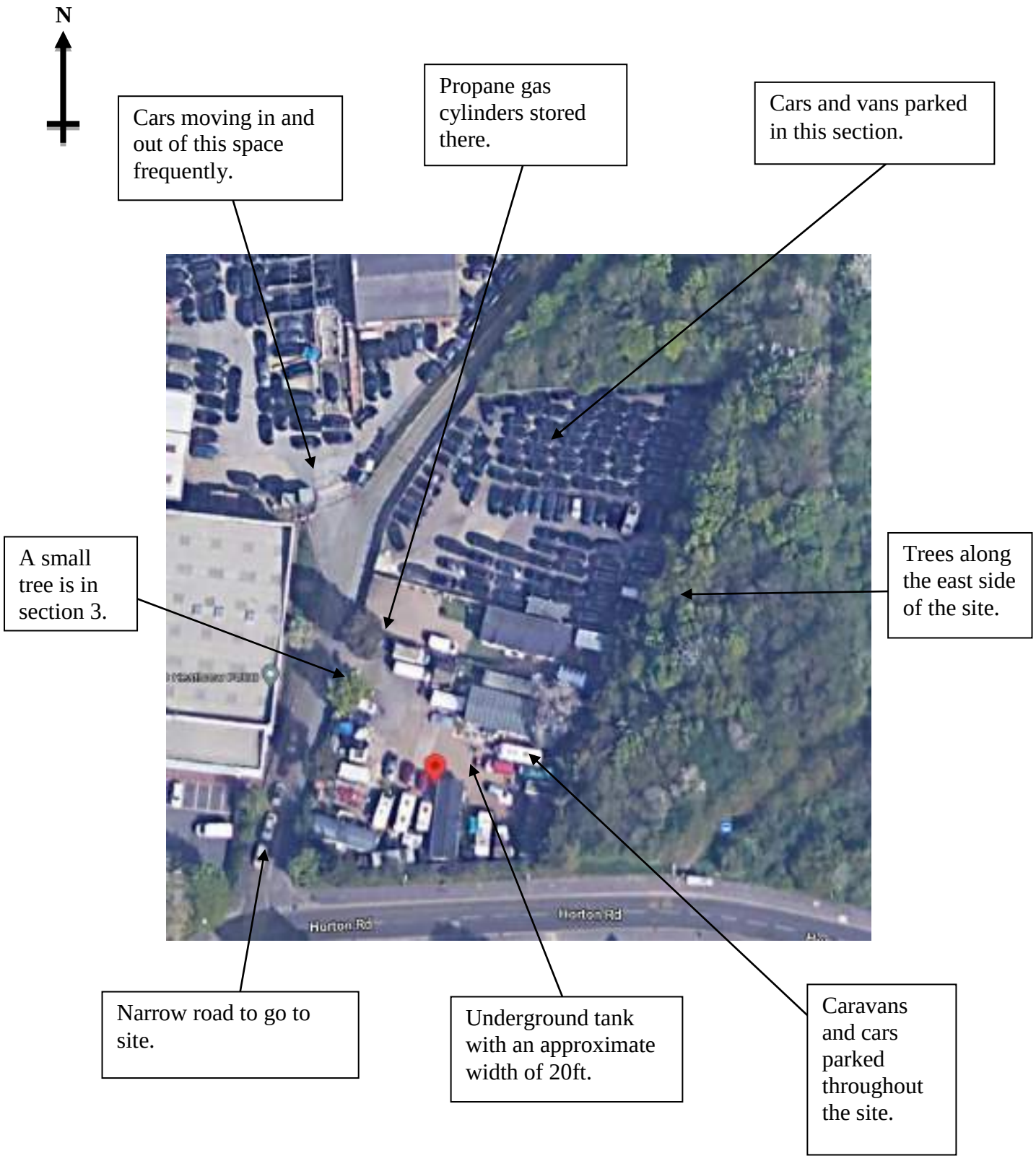
APPENDICES

APPENDIX 1 – FIGURES

PROJECT NAME	New Data Centre, Horton Road	**CLIENT**	Harvest Land Management Group Ltd
TITLE	Site Location Plan	**PROJECT NO.**	P4398J2568
DATE	May 2022	**FIGURE NO.**	1

PROJECT NAME	New Data Centre, Horton Road	**CLIENT**	Harvest Land Management Group Ltd
TITLE	Site Constraints Plan	**PROJECT NO.**	P4398J2568
DATE	May 2022	**FIGURE NO.**	2



PROJECT NAME	New Data Centre, Beaches Yard, Horton Road	**CLIENT**	Harvest Land Management Group Ltd
TITLE	Site Photo Plan	**FIGURE**	3

Photo 1: 2 gates are shown in the photo. Cars are stored behind the open gate.

Photo 2: The remaining 3 gates are shown in this photo.

PROJECT NAME	New Data Centre, Beaches Yard, Horton Road	**CLIENT**	Harvest Land Management Group Ltd
TITLE	Site Photo Plan	**FIGURE**	3

Photo 3: A very small step to get into the section with a wide access.

Photo 4: A blocked storm drain located outside the most northern section.

PROJECT NAME	New Data Centre, Beaches Yard, Horton Road	**CLIENT**	Harvest Land Management Group Ltd
TITLE	Site Photo Plan	**FIGURE**	3

Photo 5: Manhole located outside the first section.

Photo 6: All of section 1 is hard standing with gravel and concrete slabs.

PROJECT NAME	New Data Centre, Beaches Yard, Horton Road	**CLIENT**	Harvest Land Management Group Ltd
TITLE	Site Photo Plan	**FIGURE**	3

Photo 7: Cars and vans parked on the whole of the first section.

Photo 8: The second section has a house and cars parked within it.

PROJECT NAME	New Data Centre, Beaches Yard, Horton Road	**CLIENT**	Harvest Land Management Group Ltd
TITLE	Site Photo Plan	**FIGURE**	3

Photo 9: Gas cylinders within the second section.

Photo 10: The third section has a home and cars parked. The ground is hardstanding with asphalt and concrete slabs.

PROJECT NAME	New Data Centre, Beaches Yard, Horton Road	**CLIENT**	Harvest Land Management Group Ltd
TITLE	Site Photo Plan	**FIGURE**	3

Photo 11: The fourth section has numerous caravans parked.

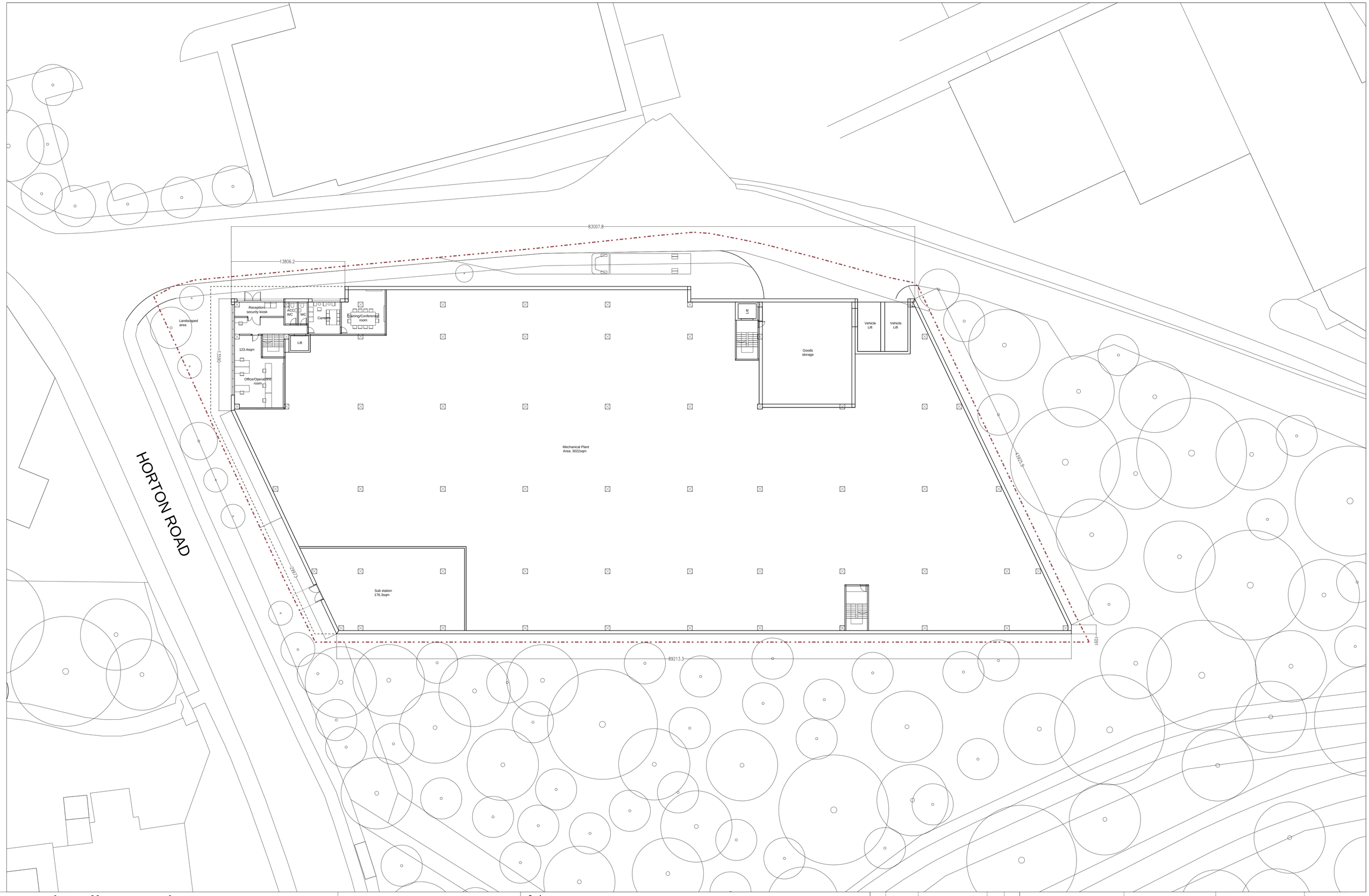
Photo 12: The slab is a cover for a tank with and approximate width of 20ft.

PROJECT NAME	New Data Centre, Beaches Yard, Horton Road	**CLIENT**	Harvest Land Management Group Ltd
TITLE	Site Photo Plan	**FIGURE**	3

Photo 13: A manhole cover is in section 4 of the site.

Photo 14: Section 5 has a home, car and caravan parked. Section is mostly soft standing with grass and gravel. The remaining area is concrete slabs.

Figure 4: Proposed Development Plan (Ground Floor)



Nick Willson Architects

G2 Hoxton Works
128 Hoxton Street
London N1 6SH
+44 (0)20 7012 1674
www.nickwillsonarchitects. com

N

Notes:

Scaling for planning purposes only

Scale:

0 5 10 20 50

Rev	Date	Description	By	Ck

Project: Beaches Yard	Project description: Data Centre	Stage: Planning	Job N: 0203
Title: Proposed Ground Floor Plan	Scale: 1:200@A1	Drawing No: 003	Rev: –

APPENDIX 2 – GROUNDSURE REPORT

Groundsure
LOCATION INTELLIGENCE

Enviro+Geo Insight

1 BEACHES YARD, HORTON ROAD, YIEWSLEY, WEST DRAYTON, UB7 8HX

Order Details

Date: 20/05/2022

Your ref: P4398JJ2568-1

Our Ref: JOMAS-8765694

Site Details

Location: 507136 180376

Area: 0.44 ha

Authority: London Borough of Hillingdon

Contact us with any questions at:
info@groundsure.com
08444 159 000

Summary of findings

Page	Section	Past land use	On site	0-50m	50-250m	250-500m	500-2000m
14	1.1	Historical industrial land uses	13	17	48	86	-
21	1.2	Historical tanks	0	1	3	12	-
22	1.3	Historical energy features	0	0	5	15	-
23	1.4	Historical petrol stations	0	0	0	0	-
23	1.5	Historical garages	0	0	1	1	-
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	23	60	100	-
32	2.2	Historical tanks	0	1	3	32	-
33	2.3	Historical energy features	0	0	17	35	-
35	2.4	Historical petrol stations	0	0	0	0	-
36	2.5	Historical garages	0	0	2	1	-
Page	Section	Waste and landfill	On site	0-50m	50-250m	250-500m	500-2000m
37	3.1	Active or recent landfill	0	0	0	0	-
37	3.2	Historical landfill (BGS records)	0	0	0	1	-
38	3.3	Historical landfill (LA/mapping records)	0	0	0	0	-
38	3.4	Historical landfill (EA/NRW records)	1	1	0	1	-
39	3.5	Historical waste sites	0	0	0	4	-
40	3.6	Licensed waste sites	0	0	0	0	-
40	3.7	Waste exemptions	0	2	2	14	-
Page	Section	Current industrial land use	On site	0-50m	50-250m	250-500m	500-2000m
42	4.1	Recent industrial land uses	0	4	22	-	-
44	4.2	Current or recent petrol stations	0	0	0	0	-
44	4.3	Electricity cables	0	0	0	0	-
45	4.4	Gas pipelines	0	0	0	0	-
45	4.5	Sites determined as Contaminated Land	0	0	0	0	-

45	4.6	Control of Major Accident Hazards (COMAH)	0	0	0	0	-
45	4.7	Regulated explosive sites	0	0	0	0	-
45	4.8	Hazardous substance storage/usage	0	0	0	0	-
46	4.9	Historical licensed industrial activities (IPC)	0	0	0	0	-
46	4.10	Licensed industrial activities (Part A(1))	0	0	0	0	-
46	**4.11**	**Licensed pollutant release (Part A(2)/B)**	0	0	3	3	-
47	4.12	Radioactive Substance Authorisations	0	0	0	0	-
47	**4.13**	**Licensed Discharges to controlled waters**	0	0	0	2	-
48	4.14	Pollutant release to surface waters (Red List)	0	0	0	0	-
48	**4.15**	**Pollutant release to public sewer**	0	0	1	0	-
48	4.16	List 1 Dangerous Substances	0	0	0	0	-
48	4.17	List 2 Dangerous Substances	0	0	0	0	-
49	**4.18**	**Pollution Incidents (EA/NRW)**	0	0	0	3	-
49	4.19	Pollution inventory substances	0	0	0	0	-
49	4.20	Pollution inventory waste transfers	0	0	0	0	-
50	4.21	Pollution inventory radioactive waste	0	0	0	0	-

Page	Section	Hydrogeology	On site	0-50m	50-250m	250-500m	500-2000m
51	**5.1**	**Superficial aquifer**	Identified (within 500m)				
53	**5.2**	**Bedrock aquifer**	Identified (within 500m)				
54	**5.3**	**Groundwater vulnerability**	Identified (within 50m)				
55	5.4	Groundwater vulnerability- soluble rock risk	None (within 0m)				
55	**5.5**	**Groundwater vulnerability- local information**	Identified (within 0m)				
56	**5.6**	**Groundwater abstractions**	0	0	0	10	16
62	**5.7**	**Surface water abstractions**	0	0	0	0	2
63	**5.8**	**Potable abstractions**	0	0	0	0	5
65	5.9	Source Protection Zones	0	0	0	0	-
65	5.10	Source Protection Zones (confined aquifer)	0	0	0	0	-

Page	Section	Hydrology	On site	0-50m	50-250m	250-500m	500-2000m
66	6.1	Water Network (OS MasterMap)	0	0	0	-	-

66	6.2	Surface water features	0	0	2	-	-
67	6.3	WFD Surface water body catchments	1	-	-	-	-
67	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)				
69	7.2	Historical Flood Events	0	0	0	-	-
69	7.3	Flood Defences	0	0	0	-	-
70	7.4	Areas Benefiting from Flood Defences	0	0	0	-	-
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	Negligible (within 50m)

Page	Section	Groundwater flooding	
73	9.1	Groundwater flooding	Moderate (within 50m)

Page	Section	Environmental designations	On site	0-50m	50-250m	250-500m	500-2000m
74	10.1	Sites of Special Scientific Interest (SSSI)	0	0	0	0	0
75	10.2	Conserved wetland sites (Ramsar sites)	0	0	0	0	0
75	10.3	Special Areas of Conservation (SAC)	0	0	0	0	0
75	10.4	Special Protection Areas (SPA)	0	0	0	0	0
75	10.5	National Nature Reserves (NNR)	0	0	0	0	0
76	10.6	Local Nature Reserves (LNR)	0	0	0	0	0
76	10.7	Designated Ancient Woodland	0	0	0	0	0
76	10.8	Biosphere Reserves	0	0	0	0	0
76	10.9	Forest Parks	0	0	0	0	0
77	10.10	Marine Conservation Zones	0	0	0	0	0
77	10.11	Green Belt	1	1	0	1	21
78	10.12	Proposed Ramsar sites	0	0	0	0	0

78	10.13	Possible Special Areas of Conservation (pSAC)	0	0	0	0	0
78	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	0	0	0	0	0
80	**10.17**	**SSSI Impact Risk Zones**	1	-	-	-	-
81	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
82	11.1	World Heritage Sites	0	0	0	-	-
83	11.2	Area of Outstanding Natural Beauty	0	0	0	-	-
83	11.3	National Parks	0	0	0	-	-
83	11.4	Listed Buildings	0	0	0	-	-
83	11.5	Conservation Areas	0	0	0	-	-
84	11.6	Scheduled Ancient Monuments	0	0	0	-	-
84	**11.7**	**Registered Parks and Gardens**	1	0	0	-	-
Page	Section	Agricultural designations	On site	0-50m	50-250m	250-500m	500-2000m
85	**12.1**	**Agricultural Land Classification**	Urban (within 250m)				
86	12.2	Open Access Land	0	0	0	-	-
86	12.3	Tree Felling Licences	0	0	0	-	-
86	12.4	Environmental Stewardship Schemes	0	0	0	-	-
86	12.5	Countryside Stewardship Schemes	0	0	0	-	-
Page	Section	Habitat designations	On site	0-50m	50-250m	250-500m	500-2000m
87	**13.1**	**Priority Habitat Inventory**	1	7	12	-	-
88	13.2	Habitat Networks	0	0	0	-	-
88	13.3	Open Mosaic Habitat	0	0	0	-	-
89	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
90	**14.1**	**10k Availability**	Identified (within 500m)				
91	**14.2**	**Artificial and made ground (10k)**	2	1	1	11	-
93	**14.3**	**Superficial geology (10k)**	1	1	0	7	-

94	14.4	Landslip (10k)	0	0	0	0	-
95	**14.5**	**Bedrock geology (10k)**	1	0	0	1	-
96	14.6	Bedrock faults and other linear features (10k)	0	0	0	0	-
Page	Section	Geology 1:50,000 scale	On site	0-50m	50-250m	250-500m	500-2000m
97	**15.1**	**50k Availability**	Identified (within 500m)				
98	**15.2**	**Artificial and made ground (50k)**	2	1	0	7	-
99	**15.3**	**Artificial ground permeability (50k)**	1	0	-	-	-
100	**15.4**	**Superficial geology (50k)**	2	1	0	5	-
101	**15.5**	**Superficial permeability (50k)**	Identified (within 50m)				
101	15.6	Landslip (50k)	0	0	0	0	-
101	15.7	Landslip permeability (50k)	None (within 50m)				
102	**15.8**	**Bedrock geology (50k)**	2	0	0	0	-
103	**15.9**	**Bedrock permeability (50k)**	Identified (within 50m)				
103	15.10	Bedrock faults and other linear features (50k)	0	0	0	0	-
Page	Section	Boreholes	On site	0-50m	50-250m	250-500m	500-2000m
104	**16.1**	**BGS Boreholes**	0	2	29	-	-
Page	Section	Natural ground subsidence					
106	**17.1**	**Shrink swell clays**	Very low (within 50m)				
107	**17.2**	**Running sands**	Very low (within 50m)				
109	**17.3**	**Compressible deposits**	Moderate (within 50m)				
111	**17.4**	**Collapsible deposits**	Low (within 50m)				
112	**17.5**	**Landslides**	Very low (within 50m)				
113	**17.6**	**Ground dissolution of soluble rocks**	Negligible (within 50m)				
Page	Section	Mining, ground workings and natural cavities	On site	0-50m	50-250m	250-500m	500-2000m
115	18.1	Natural cavities	0	0	0	0	-
116	**18.2**	**BritPits**	0	1	4	3	-
117	**18.3**	**Surface ground workings**	17	13	48	-	-
120	18.4	Underground workings	0	0	0	0	0
120	**18.5**	**Historical Mineral Planning Areas**	1	0	0	1	-

121	18.6	Non-coal mining	0	0	0	0	0
121	18.7	Mining cavities	0	0	0	0	0
121	18.8	JPB mining areas	None (within 0m)				
122	18.9	Coal mining	None (within 0m)				
122	18.10	Brine areas	None (within 0m)				
122	18.11	Gypsum areas	None (within 0m)				
122	18.12	Tin mining	None (within 0m)				
122	18.13	Clay mining	None (within 0m)				

Page	Section	Radon	
123	**19.1**	**Radon**	Less than 1% (within 0m)

Page	Section	Soil chemistry	On site	0-50m	50-250m	250-500m	500-2000m
124	**20.1**	**BGS Estimated Background Soil Chemistry**	2	1	-	-	-
124	**20.2**	**BGS Estimated Urban Soil Chemistry**	3	5	-	-	-
125	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
126	21.1	Underground railways (London)	0	0	0	-	-
126	21.2	Underground railways (Non-London)	0	0	0	-	-
127	21.3	Railway tunnels	0	0	0	-	-
127	**21.4**	**Historical railway and tunnel features**	4	8	8	-	-
128	21.5	Royal Mail tunnels	0	0	0	-	-
128	21.6	Historical railways	0	0	0	-	-
128	21.7	Railways	0	0	0	-	-
128	**21.8**	**Crossrail 1**	0	0	0	1	-
129	21.9	Crossrail 2	0	0	0	0	-
129	21.10	HS2	0	0	0	0	-

Recent aerial photograph

Capture Date: 13/06/2021

Site Area: 0.44ha

Recent site history - 2019 aerial photograph

Capture Date: 29/06/2019

Site Area: 0.44ha

Recent site history - 2015 aerial photograph

Capture Date: 07/06/2015

Site Area: 0.44ha

Recent site history - 2013 aerial photograph

Capture Date: 20/04/2013

Site Area: 0.44ha

Recent site history - 1999 aerial photograph

Capture Date: 29/08/1999

Site Area: 0.44ha

OS MasterMap site plan

Site Area: 0.44ha

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	164

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**	**Brick Field**	**1897**	**2183865**

ID	Location	Land use	Dates present	Group ID
A	**On site**	**Unspecified Commercial/Industrial**	**1935**	**2130849**
A	**On site**	**Unspecified Ground Workings**	**1970**	**2174533**
A	**On site**	**Railway Sidings**	**1897**	**2213724**
A	**On site**	**Railway Sidings**	**1894**	**2216339**
A	**On site**	**Unspecified Pit**	**1898**	**2227123**
A	**On site**	**Railway Sidings**	**1898**	**2246259**
A	**On site**	**Gravel Pit**	**1913 - 1932**	**2273677**
A	**On site**	**Unspecified Pit**	**1894**	**2295245**
B	**On site**	**Ballast Pit**	**1938**	**2256629**
C	**On site**	**Unspecified Ground Workings**	**1935 - 1938**	**2258285**
C	**On site**	**Unspecified Heap**	**1938**	**2280577**
D	**On site**	**Unspecified Ground Workings**	**1959**	**2196054**
E	5m S	Gravel Pit	1913 - 1932	2219275
A	5m W	Railway Sidings	1913	2187946
E	6m S	Gravel Pit	1913	2214782
F	6m S	Unspecified Dock	1897	2263133
A	7m W	Railway Sidings	1932	2174406
A	7m NW	Unspecified Works	1970 - 1975	2289142
A	8m NW	Unspecified Works	1989	2223449
A	9m W	White Lead Works	1938	2160501
A	9m W	Unspecified Depot	1970 - 1975	2234005
A	10m S	Unspecified Works	1970 - 1975	2222867
D	11m S	Unspecified Heaps	1938	2190533
A	13m W	Railway Sidings	1938	2182802
A	20m W	Railway Sidings	1935	2235990
A	21m W	Railway Sidings	1913	2292390
C	22m N	Gravel Pit	1913	2182767
2	41m W	Brick Field	1898	2249907

ID	Location	Land use	Dates present	Group ID
B	47m E	Ballast Pit	1935	2274484
G	57m S	Unspecified Ground Workings	1970	2170809
F	59m S	Brick Field	1868	2285015
B	63m E	Brick Field	1894	2281952
3	63m W	Brick Field	1894 - 1897	2243323
B	65m E	Brick Field	1898	2260165
4	69m W	Unspecified Works	1970 - 1975	2283790
F	71m S	Brick Field	1882	2278567
5	80m E	Unspecified Ground Workings	1938	2229111
H	81m SW	Dock	1913	2281927
F	82m SW	Unspecified Warehouses	1975	2142521
F	85m SW	Dock	1932	2194929
F	85m SW	Dock	1898	2281426
F	87m SW	Unspecified Works	1959	2257436
F	104m SW	Industrial Park	1989	2142970
F	104m SW	Unspecified Works	1975	2181514
I	107m NE	Sand and Gravel Works	1975	2166141
D	108m SE	Unspecified Heap	1938	2136292
D	110m SE	Unspecified Heaps	1938	2176311
F	111m SW	Dock	1894	2281681
D	118m E	Cuttings	1970	2129527
6	118m S	Unspecified Pit	1938	2124947
8	126m NW	Unspecified Ground Workings	1970 - 1989	2238677
D	128m SE	Unspecified Heap	1938	2136293
J	145m NE	Railway Sidings	1938	2291043
I	147m NE	Railway Sidings	1938	2242588
J	149m NE	Railway Sidings	1935	2281864
F	157m SW	White Lead Works	1935	2160499

ID	Location	Land use	Dates present	Group ID
F	157m SW	Unspecified Works	1959	2159655
D	173m E	Unspecified Ground Workings	1938	2226705
F	183m SW	White Lead Works	1938	2160500
F	183m SW	Concrete Works	1938	2186609
F	184m SW	Concrete Works	1935	2206908
K	184m SW	Refuse Heap	1935	2158674
F	194m S	Unspecified Depot	1970	2147060
F	208m SW	Railway Sidings	1935 - 1938	2196558
9	210m E	Unspecified Pit	1938	2241700
F	211m SW	Railway Sidings	1938	2259636
F	213m SW	Unspecified Dock	1913	2193612
10	225m N	Unspecified Pit	1959	2124944
G	226m S	Dock	1938	2236939
F	240m SW	Unspecified Works	1970	2229871
L	240m W	Regulator and Instrument Works	1935 - 1938	2224046
M	242m E	Gravel Pit	1935 - 1938	2267277
L	243m W	Instrument Works	1938	2129009
L	246m W	Unspecified Works	1959	2199881
L	246m W	Unspecified Works	1970	2251104
11	247m SE	Unspecified Pit	1938	2281455
M	250m E	Gravel Pit	1938	2292596
G	271m SE	Unspecified Ground Workings	1975 - 1989	2236487
I	275m NE	Refuse Heap	1938	2158686
I	276m NE	Gravel Pit	1938	2138881
G	276m S	Dock	1913 - 1932	2250759
G	279m S	Dock	1938	2218011
G	281m S	Unspecified Dock	1913	2275981
F	288m S	Unspecified Works	1970	2159657

ID	Location	Land use	Dates present	Group ID
12	295m SW	Dock	1913	2146520
I	296m NE	Ballast Pit	1959	2255775
13	298m E	Unspecified Pit	1938	2179440
I	306m E	Railway Sidings	1935	2268595
N	307m SW	Concrete Works	1938	2263436
I	308m NE	Railway Sidings	1938 - 1959	2291044
G	312m S	Unspecified Dock	1935	2246590
N	312m SW	Unspecified Dock	1897	2192535
N	312m SW	Unspecified Dock	1913	2260936
14	316m E	Railway Sidings	1938	2291045
I	321m E	Unspecified Pit	1938	2124943
I	322m NE	Unspecified Works	1970	2159652
15	325m NW	Nursery	1970	2161329
O	328m S	Railway Sidings	1897	2221683
16	331m S	Railway Sidings	1894	2240241
P	332m S	Railway Sidings	1898	2180034
Q	333m S	Varnish Works	1897	2189267
Q	333m S	Unspecified Commercial/Industrial	1913	2257631
Q	334m S	Varnish Works	1913	2228882
Q	334m S	Varnish Works	1894	2275528
Q	337m S	Unspecified Commercial/Industrial	1935	2191623
Q	337m S	Varnish Works	1932	2232902
Q	337m S	Varnish Works	1898	2250065
Q	344m S	Unspecified Works	1987	2212534
Q	344m S	Unspecified Works	1974	2263419
Q	345m S	Unspecified Commercial/Industrial	1959	2228466
P	347m S	Railway Building	1897	2148541
Q	348m S	Unspecified Works	1970	2184109

ID	Location	Land use	Dates present	Group ID
R	350m SE	Unspecified Depot	1975 - 1989	2292191
N	350m SW	Unspecified Works	1970	2173865
R	351m SE	Unspecified Depot	1970	2183015
Q	353m S	Railway Sidings	1913	2128636
S	359m S	Railway Sidings	1964	2192820
S	359m S	Railway Sidings	1959	2293551
19	374m SW	Railway Buildings	1897	2163424
N	375m W	Printing Works	1935 - 1938	2183632
N	378m W	Dock	1898	2212420
N	378m W	Dock	1932	2218529
N	379m W	Unspecified Works	1959	2290760
T	380m S	Railway Sidings	1898	2233382
T	383m S	Railway Sidings	1897	2275967
N	386m SW	Pumping Works	1938	2163857
N	387m W	Printing Works	1913 - 1932	2203888
O	393m SW	Railway Sidings	1898	2263186
U	394m SE	Old Gravel Pit	1913	2236461
V	397m SW	Railway Sidings	1938	2273961
W	398m SW	Railway Sidings	1938	2246826
U	402m SE	Old Gravel Pit	1932	2188191
X	402m SE	Unspecified Works	1975	2159658
W	403m SW	Railway Sidings	1935	2204936
O	415m S	Unspecified Station	1970 - 1987	2242302
N	421m SW	Printing Works	1913	2222968
N	423m SW	Dock	1894	2146521
N	425m SW	Unspecified Works	1970	2233951
X	429m SE	Unspecified Pit	1894	2282579
X	429m SE	Unspecified Pit	1897	2247153

ID	Location	Land use	Dates present	Group ID
X	435m SE	Unspecified Pit	1898	2263456
24	441m SE	Unspecified Pit	1868	2124940
Y	441m SE	Unspecified Pit	1938	2186793
Z	442m W	Unspecified Factory	1970	2150955
Y	447m SE	Unspecified Pit	1938	2281367
W	447m SW	Railway Sidings	1959	2246262
U	451m SE	Unspecified Depot	1970 - 1989	2198900
AB	454m SE	Unspecified Heap	1970	2136295
U	463m SE	Old Gravel Pit	1913	2268021
W	471m SW	Railway Sidings	1898 - 1913	2189823
W	472m SW	Railway Sidings	1932	2224600
W	472m SW	Railway Sidings	1897	2208148
W	473m SW	Railway Buildings	1938	2234776
W	474m SW	Railway Sidings	1938	2269959
W	475m SW	Railway Sidings	1913	2289814
W	478m SW	Railway Buildings	1913	2200493
W	478m SW	Railway Buildings	1897	2190292
AB	480m SE	Unspecified Ground Workings	1882	2133408
W	486m SW	Railway Sidings	1894	2200006
W	492m SW	Unspecified Works	1970	2159660
AD	494m SW	Unspecified Commercial/Industrial	1989	2130848
AD	494m SW	Unspecified Factory	1975	2150959
26	495m SE	Unspecified Pit	1868	2124941

This data is sourced from Ordnance Survey / Groundsure.

1.2 Historical tanks

Records within 500m	**16**

Tank features digitised from historical Ordnance Survey mapping at high-detail 1:1,250 and 1:2,500 scale, 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
A	44m S	Unspecified Tank	1980	363759
A	63m NW	Unspecified Tank	1895	363774
A	74m W	Unspecified Tank	1978	363772
B	235m E	Unspecified Tank	1895	363773
17	336m W	Unspecified Tank	1935	388475
18	344m SE	Unspecified Tank	1978 - 1980	407142
P	345m S	Unspecified Tank	1895	363750
20	377m SW	Unspecified Tank	1979	390088
N	384m SW	Unspecified Tank	1935	386512
21	404m SW	Unspecified Tank	1935	363756
X	434m SE	Unspecified Tank	1980	363754
AA	451m SW	Tanks	1965 - 1966	391887
AA	451m SW	Tanks	1972 - 1989	410653
V	462m SW	Tanks	1989	390580
V	465m SW	Tanks	1965 - 1989	386389
V	485m SW	Tanks	1965 - 1989	408464

This data is sourced from Ordnance Survey / Groundsure.

1.3 Historical energy features

Records within 500m	20

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 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
H	94m SW	Electricity Substation	1978 - 1980	266377
H	106m SW	Electricity Substation	1993	244023
7	124m W	Electricity Substation	1978 - 1992	283386
K	242m W	Electricity Substation	1978 - 1992	283359
F	246m SW	Electricity Substation	1979 - 1992	272477
F	257m SW	Electricity Substation	1979	259355
F	259m SW	Electricity Substation	1989 - 1992	277500
F	278m SW	Electricity Substation	1978 - 1992	289817
Q	370m S	Electricity Substation	1975 - 1998	273552
23	431m S	Electricity Substation	1972 - 1989	290028
N	432m SW	Electricity Substation	1992	244025
25	442m NW	Electricity Substation	1986 - 1996	268439
N	447m SW	Electricity Substation	1978 - 1989	267289
AC	466m NW	Electricity Substation	-	240352
V	468m SW	Electricity Substation	1989	276734
AC	468m NW	Electricity Substation	1986	260959
V	468m SW	Electricity Substations	1972	250033
V	473m SW	Electricity Substation	1989	262641
AC	478m NW	Electricity Substation	1996	276838
Z	497m W	Electricity Substation	1989 - 1992	267245

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 un-grouped 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	2

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 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
F	185m SW	Repairing Yard	1935	85460
22	408m SE	Vehicle Repair Works	1975	73997

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	199

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**	**Brick Field**	**1897**	**2183865**
A	**On site**	**Unspecified Pit**	**1898**	**2227123**
A	**On site**	**Unspecified Pit**	**1894**	**2295245**

ID	Location	Land Use	Date	Group ID
A	**On site**	**Railway Sidings**	**1898**	**2246259**
A	**On site**	**Railway Sidings**	**1894**	**2216339**
A	**On site**	**Unspecified Commercial/Industrial**	**1935**	**2130849**
A	**On site**	**Railway Sidings**	**1897**	**2213724**
A	**On site**	**Unspecified Ground Workings**	**1970**	**2174533**
A	**On site**	**Gravel Pit**	**1932**	**2273677**
A	**On site**	**Gravel Pit**	**1913**	**2273677**
B	**On site**	**Unspecified Ground Workings**	**1959**	**2196054**
C	**On site**	**Unspecified Ground Workings**	**1938**	**2258285**
C	**On site**	**Unspecified Heap**	**1938**	**2280577**
C	**On site**	**Unspecified Heap**	**1938**	**2280577**
D	**On site**	**Ballast Pit**	**1938**	**2256629**
D	**On site**	**Ballast Pit**	**1938**	**2256629**
E	5m S	Gravel Pit	1913	2219275
A	5m W	Railway Sidings	1913	2187946
E	6m S	Gravel Pit	1913	2214782
F	6m S	Unspecified Dock	1897	2263133
A	7m W	Railway Sidings	1932	2174406
A	7m NW	Unspecified Works	1975	2289142
A	7m NW	Unspecified Works	1970	2289142
A	8m NW	Unspecified Works	1989	2223449
A	9m W	White Lead Works	1938	2160501
A	9m W	Unspecified Depot	1975	2234005
A	10m W	Unspecified Depot	1970	2234005
A	10m S	Unspecified Works	1975	2222867
B	11m S	Unspecified Heaps	1938	2190533
B	11m S	Unspecified Heaps	1938	2190533
E	11m S	Gravel Pit	1932	2219275

ID	Location	Land Use	Date	Group ID
A	13m W	Railway Sidings	1938	2182802
A	20m W	Railway Sidings	1935	2235990
A	21m W	Railway Sidings	1913	2292390
C	22m N	Gravel Pit	1913	2182767
A	34m SW	Unspecified Works	1970	2222867
2	41m W	Brick Field	1898	2249907
D	47m E	Ballast Pit	1935	2274484
C	49m N	Unspecified Ground Workings	1935	2258285
G	57m S	Unspecified Ground Workings	1970	2170809
F	59m S	Brick Field	1868	2285015
D	63m E	Brick Field	1894	2281952
H	63m W	Brick Field	1897	2243323
H	65m W	Brick Field	1894	2243323
D	65m E	Brick Field	1898	2260165
I	69m W	Unspecified Works	1970	2283790
F	71m S	Brick Field	1882	2278567
J	80m E	Unspecified Ground Workings	1938	2229111
J	80m E	Unspecified Ground Workings	1938	2229111
A	81m SW	Dock	1913	2281927
F	82m SW	Unspecified Warehouses	1975	2142521
F	85m SW	Dock	1932	2194929
F	85m SW	Dock	1898	2281426
F	87m SW	Unspecified Works	1959	2257436
F	104m SW	Industrial Park	1989	2142970
F	104m SW	Unspecified Works	1975	2181514
K	107m NE	Sand and Gravel Works	1975	2166141
B	108m SE	Unspecified Heap	1938	2136292
B	110m SE	Unspecified Heaps	1938	2176311

ID	Location	Land Use	Date	Group ID
B	110m SE	Unspecified Heaps	1938	2176311
F	111m SW	Dock	1894	2281681
B	118m E	Cuttings	1970	2129527
3	118m S	Unspecified Pit	1938	2124947
L	126m NW	Unspecified Ground Workings	1989	2238677
L	126m NW	Unspecified Ground Workings	1975	2238677
L	126m NW	Unspecified Ground Workings	1970	2238677
B	128m SE	Unspecified Heap	1938	2136293
M	145m NE	Railway Sidings	1938	2291043
K	147m NE	Railway Sidings	1938	2242588
M	149m NE	Railway Sidings	1935	2281864
F	157m SW	White Lead Works	1935	2160499
F	157m SW	Unspecified Works	1959	2159655
B	173m E	Unspecified Ground Workings	1938	2226705
F	183m SW	White Lead Works	1938	2160500
F	183m SW	Concrete Works	1938	2186609
F	184m SW	Concrete Works	1935	2206908
N	184m SW	Refuse Heap	1935	2158674
F	194m S	Unspecified Depot	1970	2147060
O	202m W	Unspecified Works	1975	2283790
F	208m SW	Railway Sidings	1938	2196558
P	210m E	Unspecified Pit	1938	2241700
P	210m E	Unspecified Pit	1938	2241700
F	211m SW	Railway Sidings	1938	2259636
F	213m SW	Unspecified Dock	1913	2193612
F	216m SW	Railway Sidings	1935	2196558
4	225m N	Unspecified Pit	1959	2124944
G	226m S	Dock	1938	2236939

ID	Location	Land Use	Date	Group ID
G	226m S	Dock	1938	2236939
F	240m SW	Unspecified Works	1970	2229871
O	240m W	Regulator and Instrument Works	1938	2224046
Q	242m E	Gravel Pit	1935	2267277
O	243m W	Instrument Works	1938	2129009
O	245m W	Regulator and Instrument Works	1935	2224046
O	246m W	Unspecified Works	1970	2251104
O	246m W	Unspecified Works	1959	2199881
R	247m SE	Unspecified Pit	1938	2281455
R	247m SE	Unspecified Pit	1938	2281455
Q	247m E	Gravel Pit	1938	2267277
Q	250m E	Gravel Pit	1938	2292596
G	271m SE	Unspecified Ground Workings	1989	2236487
G	271m SE	Unspecified Ground Workings	1975	2236487
K	275m NE	Refuse Heap	1938	2158686
K	276m NE	Gravel Pit	1938	2138881
G	276m S	Dock	1913	2250759
G	279m S	Dock	1938	2218011
G	281m S	Unspecified Dock	1913	2275981
G	286m S	Dock	1932	2250759
F	288m S	Unspecified Works	1970	2159657
5	295m SW	Dock	1913	2146520
K	296m NE	Ballast Pit	1959	2255775
S	298m E	Unspecified Pit	1938	2179440
S	298m E	Unspecified Pit	1938	2179440
K	306m E	Railway Sidings	1935	2268595
T	307m SW	Concrete Works	1938	2263436
K	308m NE	Railway Sidings	1938	2291044

ID	Location	Land Use	Date	Group ID
G	312m S	Unspecified Dock	1935	2246590
T	312m SW	Unspecified Dock	1913	2260936
T	312m SW	Unspecified Dock	1897	2192535
K	313m NE	Railway Sidings	1959	2291044
6	316m E	Railway Sidings	1938	2291045
K	321m E	Unspecified Pit	1938	2124943
K	322m NE	Unspecified Works	1970	2159652
7	325m NW	Nursery	1970	2161329
U	328m S	Railway Sidings	1897	2221683
8	331m S	Railway Sidings	1894	2240241
V	332m S	Railway Sidings	1898	2180034
W	333m S	Unspecified Commercial/Industrial	1913	2257631
W	333m S	Varnish Works	1897	2189267
W	334m S	Varnish Works	1913	2228882
W	334m S	Varnish Works	1894	2275528
W	337m S	Unspecified Commercial/Industrial	1935	2191623
W	337m S	Varnish Works	1932	2232902
W	337m S	Varnish Works	1898	2250065
W	344m S	Unspecified Works	1987	2212534
W	344m S	Unspecified Works	1974	2263419
W	345m S	Unspecified Commercial/Industrial	1959	2228466
V	347m S	Railway Building	1897	2148541
W	348m S	Unspecified Works	1970	2184109
Z	350m SE	Unspecified Depot	1989	2292191
Z	350m SE	Unspecified Depot	1975	2292191
T	350m SW	Unspecified Works	1970	2173865
Z	351m SE	Unspecified Depot	1970	2183015
W	353m S	Railway Sidings	1913	2128636

ID	Location	Land Use	Date	Group ID
9	359m S	Railway Sidings	1959	2293551
10	374m SW	Railway Buildings	1897	2163424
T	375m W	Printing Works	1938	2183632
T	378m W	Dock	1932	2218529
T	378m W	Dock	1898	2212420
T	379m W	Unspecified Works	1959	2290760
AB	380m S	Railway Sidings	1898	2233382
AB	383m S	Railway Sidings	1897	2275967
T	386m SW	Pumping Works	1938	2163857
T	387m W	Printing Works	1932	2203888
U	393m SW	Railway Sidings	1898	2263186
AC	394m SE	Old Gravel Pit	1913	2236461
AD	397m SW	Railway Sidings	1938	2273961
AE	398m SW	Railway Sidings	1938	2246826
T	400m W	Printing Works	1913	2203888
AC	402m SE	Old Gravel Pit	1932	2188191
AF	402m SE	Unspecified Works	1975	2159658
AE	403m SW	Railway Sidings	1935	2204936
AD	406m SW	Railway Sidings	1964	2192820
U	415m S	Unspecified Station	1970	2242302
U	415m S	Unspecified Station	1987	2242302
U	415m S	Unspecified Station	1974	2242302
T	418m SW	Printing Works	1935	2183632
T	421m SW	Printing Works	1913	2222968
T	423m SW	Dock	1894	2146521
T	425m SW	Unspecified Works	1970	2233951
AF	429m SE	Unspecified Pit	1894	2282579
AF	429m SE	Unspecified Pit	1897	2247153

ID	Location	Land Use	Date	Group ID
AF	435m SE	Unspecified Pit	1898	2263456
13	441m SE	Unspecified Pit	1868	2124940
AH	441m SE	Unspecified Pit	1938	2186793
AI	442m W	Unspecified Factory	1970	2150955
AH	447m SE	Unspecified Pit	1938	2281367
AH	447m SE	Unspecified Pit	1938	2281367
AE	447m SW	Railway Sidings	1959	2246262
AC	451m SE	Unspecified Depot	1989	2198900
AC	451m SE	Unspecified Depot	1975	2198900
AC	451m SE	Unspecified Depot	1970	2198900
AL	454m SE	Unspecified Heap	1970	2136295
AC	463m SE	Old Gravel Pit	1913	2268021
AE	471m SW	Railway Sidings	1913	2189823
AE	472m SW	Railway Sidings	1932	2224600
AE	472m SW	Railway Sidings	1897	2208148
AE	473m SW	Railway Buildings	1938	2234776
AE	474m SW	Railway Sidings	1938	2269959
AE	475m SW	Railway Sidings	1913	2289814
AE	478m SW	Railway Buildings	1913	2200493
AE	478m SW	Railway Buildings	1913	2200493
AE	478m SW	Railway Buildings	1897	2190292
AE	479m SW	Railway Sidings	1898	2189823
AL	480m SE	Unspecified Ground Workings	1882	2133408
AE	486m SW	Railway Sidings	1894	2200006
AE	492m SW	Unspecified Works	1970	2159660
AN	494m SW	Unspecified Commercial/Industrial	1989	2130848
AN	494m SW	Unspecified Factory	1975	2150959
14	495m SE	Unspecified Pit	1868	2124941

This data is sourced from Ordnance Survey / Groundsure.

2.2 Historical tanks

Records within 500m	**36**

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
A	44m S	Unspecified Tank	1980	363759
A	63m NW	Unspecified Tank	1895	363774
A	74m W	Unspecified Tank	1978	363772
D	235m E	Unspecified Tank	1895	363773
X	336m W	Unspecified Tank	1935	388475
X	336m W	Unspecified Tank	1935	388475
Y	344m SE	Unspecified Tank	1978	407142
V	345m S	Unspecified Tank	1895	363750
Y	345m SE	Unspecified Tank	1980	407142
AA	377m SW	Unspecified Tank	1979	390088
AA	377m SW	Unspecified Tank	1979	390088
T	384m SW	Unspecified Tank	1935	386512
T	384m SW	Unspecified Tank	1935	386512
11	404m SW	Unspecified Tank	1935	363756
AF	434m SE	Unspecified Tank	1980	363754
AK	451m SW	Tanks	1972	410653
AK	451m SW	Tanks	1966	391887
AK	451m SW	Tanks	1989	410653
AK	451m SW	Tanks	1989	410653
AK	451m SW	Tanks	1989	410653
AK	452m SW	Tanks	1965	391887
AD	462m SW	Tanks	1989	390580
AD	462m SW	Tanks	1989	390580

ID	Location	Land Use	Date	Group ID
AD	462m SW	Tanks	1989	390580
AD	465m SW	Tanks	1972	386389
AD	465m SW	Tanks	1966	386389
AD	465m SW	Tanks	1965	386389
AD	465m SW	Tanks	1989	386389
AD	465m SW	Tanks	1989	386389
AD	465m SW	Tanks	1989	386389
AD	485m SW	Tanks	1989	408464
AD	485m SW	Tanks	1989	408464
AD	485m SW	Tanks	1989	408464
AD	485m SW	Tanks	1972	408464
AD	485m SW	Tanks	1966	408464
AD	485m SW	Tanks	1965	408464

This data is sourced from Ordnance Survey / Groundsure.

2.3 Historical energy features

Records within 500m	**52**

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
A	94m SW	Electricity Substation	1978	266377
A	94m SW	Electricity Substation	1980	266377
A	106m SW	Electricity Substation	1993	244023
I	124m W	Electricity Substation	1978	283386
I	124m W	Electricity Substation	1979	283386
I	124m W	Electricity Substation	1979	283386
I	124m W	Electricity Substation	1989	283386

ID	Location	Land Use	Date	Group ID
I	124m W	Electricity Substation	1992	283386
N	242m W	Electricity Substation	1978	283359
N	242m W	Electricity Substation	1979	283359
N	242m W	Electricity Substation	1979	283359
N	242m W	Electricity Substation	1989	283359
N	242m W	Electricity Substation	1992	283359
F	246m SW	Electricity Substation	1979	272477
F	246m SW	Electricity Substation	1979	272477
F	246m SW	Electricity Substation	1989	272477
F	246m SW	Electricity Substation	1992	272477
F	257m SW	Electricity Substation	1979	259355
F	257m SW	Electricity Substation	1979	259355
F	259m SW	Electricity Substation	1992	277500
F	259m SW	Electricity Substation	1989	277500
F	278m SW	Electricity Substation	1979	289817
F	278m SW	Electricity Substation	1979	289817
F	278m SW	Electricity Substation	1989	289817
F	279m SW	Electricity Substation	1978	289817
F	279m SW	Electricity Substation	1992	289817
W	370m S	Electricity Substation	1998	273552
W	370m S	Electricity Substation	1996	273552
W	370m S	Electricity Substation	1975	273552
AG	431m S	Electricity Substation	1972	290028
T	432m SW	Electricity Substation	1992	244025
AG	432m S	Electricity Substation	1989	290028
AG	432m S	Electricity Substation	1989	290028
AG	432m S	Electricity Substation	1989	290028
AJ	442m NW	Electricity Substation	1996	268439

ID	Location	Land Use	Date	Group ID
AJ	443m NW	Electricity Substation	1986	268439
T	447m SW	Electricity Substation	1978	267289
T	448m SW	Electricity Substation	1979	267289
T	448m SW	Electricity Substation	1979	267289
T	448m SW	Electricity Substation	1989	267289
AM	466m NW	Electricity Substation	-	240352
AD	468m SW	Electricity Substation	1989	276734
AD	468m SW	Electricity Substation	1989	276734
AD	468m SW	Electricity Substation	1989	276734
AM	468m NW	Electricity Substation	1986	260959
AD	468m SW	Electricity Substations	1972	250033
AD	473m SW	Electricity Substation	1989	262641
AD	473m SW	Electricity Substation	1989	262641
AD	473m SW	Electricity Substation	1989	262641
AM	478m NW	Electricity Substation	1996	276838
AI	497m W	Electricity Substation	1992	267245
AI	498m W	Electricity Substation	1989	267245

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	**3**

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
F	185m SW	Repairing Yard	1935	85460
F	185m SW	Repairing Yard	1935	85460
12	408m SE	Vehicle Repair Works	1975	73997

This data is sourced from Ordnance Survey / Groundsure.

3 Waste and landfill

Site Outline

Search buffers in metres (m)

Historical landfill (EA/NRW)

Historical landfill (BGS)

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	1

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.

Features are displayed on the Waste and landfill map on **page 37**

ID	Location	Address	BGS Number	Risk	Waste Type
6	498m NE	Stockley Road Tip, London SE11	2336	Risk to minor aquifer	N/A

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 37**

ID	Location	Details		
1	**On site**	**Site Address: Stockley Park West, Stockley Park, Middlesex** **Licence Holder Address: -**	**Waste Licence: Yes** **Site Reference: 8HI046, DL254, HIL56A** **Waste Type: Inert, Industrial, Commercial, Household, Special, Liquid sludge** **Environmental Permitting Regulations (Waste) Reference: -** **Licence Issue: 25/06/1987** **Licence Surrender: 15/03/1993**	**Operator: -** **Licence Holder: Stockley Park Consortium Limited** **First Recorded 31/12/1921** **Last Recorded: 19/03/1993**
2	17m S	Site Address: Stockley Trident, Yiewsley, Hillingdon, London Licence Holder Address: -	Waste Licence: Yes Site Reference: DL325, 8HI047, HIL56B Waste Type: Inert Environmental Permitting Regulations (Waste) Reference: - Licence Issue: 03/08/1990 Licence Surrender: 15/03/1993	Operator: - Licence Holder: Yiewsley and West Drayton Council First Recorded 31/12/1928 Last Recorded: 02/08/1993

ID	Location	Details		
5	477m E	Site Address: Stockley Park East, Stockley Park, Middlesex Licence Holder Address: -	Waste Licence: Yes Site Reference: 8HI048, DL197, HIL56C Waste Type: Inert, Industrial, Commercial, Household, Special Environmental Permitting Regulations (Waste) Reference: - Licence Issue: 02/04/1985 Licence Surrender: 15/03/1993	Operator: - Licence Holder: Stockley Park Consortium Limited First Recorded 31/12/1950 Last Recorded: 31/10/1992

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 37**

ID	Location	Address	Further Details	Date
F	419m SE	Site Address: N/A	Type of Site: Scrap Metal Works Planning application reference: N/A Description: N/A Data source: Historic Mapping Data Type: Polygon	1978
F	422m SE	Site Address: N/A	Type of Site: Scrap Metal Works Planning application reference: N/A Description: N/A Data source: Historic Mapping Data Type: Polygon	1974
H	490m 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	1974
H	490m 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	1965

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	18

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 37**

ID	Location	Site	Reference	Category	Sub-Category	Description
A	43m S	UNIT 1A, HORTON ROAD, WEST DRAYTON, SLOUGH, UB7 8HX	WEX245701	Storing waste exemption	Not on a farm	Storage of waste in a secure place
A	43m S	RICO LOGISTICS, UNIT 1A, HORTON ROAD, WEST DRAYTON, LONDON, UB7 8HX	WEX286201	Storing waste exemption	Not on a farm	Storage of waste in a secure place
B	175m S	Unit B Horton Close WEST DRAYTON Middlesex UB7 8EB	EPR/KF0003XY/A001	Treating waste exemption	Non-Agricultural Waste Only	Recovery of textiles
B	175m S	Unit B Horton Close WEST DRAYTON Middlesex UB7 8EB	EPR/KF0003XY/A001	Treating waste exemption	Non-Agricultural Waste Only	Preparatory treatments (baling, sorting, shredding etc)
3	256m W	10 Crown Business Centre Hillingdon UB7 8HP	EPR/ME5342EE/A001	Storing waste exemption	Non-Agricultural Waste Only	Storage of waste in a secure place
C	293m S	Unit 6 Chancerygate Industrial Estate Horton Close West Drayton UB7 8EW	EA/EPR/VP3684YX/A001	Treating waste exemption	Non-Agricultural Waste Only	Repair or refurbishment of WEEE
C	294m S	6 Chancerygate Industrial Centre Horton Close WEST DRAYTON Middlesex UB7 8EW	EPR/BH0114RE/A001	Storing waste exemption	Non-Agricultural Waste Only	Storage of waste in a secure place

ID	Location	Site	Reference	Category	Sub-Category	Description
C	295m S	Unit 6 Chancerygate Industrial Centre Horton Close West Drayton UB7 8EW	EA/EPR/VP3686YH/A001	Treating waste exemption	Non-Agricultural Waste Only	Repair or refurbishment of WEEE
4	341m W	Arco Ltd, 10 Crown Business Centre, Horton Road, West Drayton, ub7 8hp	WEX153739	Storing waste exemption	Not on a farm	Storage of waste in a secure place
D	378m SW	Unit 4 Liddall Way West Drayton Middlesex UB7 8PG	EPR/CF0639RH/A001	Storing waste exemption	Non-Agricultural Waste Only	Storage of waste in secure containers
D	378m SW	Unit 4 Liddall Way West Drayton Middlesex UB7 8PG	EPR/CF0639RH/A001	Storing waste exemption	Non-Agricultural Waste Only	Storage of waste in a secure place
E	418m E	1-3, IRON BRIDGE ROAD, STOCKLEY PARK, UXBRIDGE, UB11 1BT	WEX165478	Using waste exemption	Not on a Farm	Spreading waste on non-agricultural land to confer benefit
E	418m E	1-3, IRON BRIDGE ROAD, STOCKLEY PARK, UXBRIDGE, UB11 1BT	WEX165478	Using waste exemption	Not on a Farm	Use of mulch
E	418m E	1 Iron Bridge Road West Drayton Hillingdon UB11 1BT	EPR/BE5543VL/A001	Using waste exemption	Non-Agricultural Waste Only	Spreading waste on non-agricultural land to confer benefit
E	418m E	1 Iron Bridge Road West Drayton Hillingdon UB11 1BT	EPR/BE5543VL/A001	Using waste exemption	Non-Agricultural Waste Only	Use of mulch
F	426m SE	Stockley Park Middlesex UB11 1BF	EPR/ZE5841EC/A001	Using waste exemption	Non-Agricultural Waste Only	Use of waste in construction
G	473m W	HORTON ROAD, YIEWSLEY, WEST DRAYTON, UB7 8JL	WEX251040	Storing waste exemption	Not on a farm	Storage of waste in a secure place
G	473m W	HORTON ROAD, YIEWSLEY, WEST DRAYTON, UB7 8JL	WEX251040	Treating waste exemption	Not on a farm	Preparatory treatments (baling, sorting, shredding etc)

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

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

Licensed Discharges to controlled waters

Pollutant release to public sewer

Pollution Incidents (EA/NRW)

4.1 Recent industrial land uses

Records within 250m	26

Current potentially contaminative industrial sites.

Features are displayed on the Current industrial land use map on **page 42**

ID	Location	Company	Address	Activity	Category
A	32m W	Electricity Sub Station	Greater London, UB7	Electrical Features	Infrastructure and Facilities
A	41m W	Rico Logistics	1a Horton Road, Yiewsley, West Drayton, Greater London, UB7 8HX	Distribution and Haulage	Transport, Storage and Delivery

ID	Location	Company	Address	Activity	Category
A	42m N	Tristar Worldwide Ltd	Unit 1-2, Horton Road, West Drayton, Greater London, UB7 8BQ	Vehicle Hire and Rental	Hire Services
1	43m S	Space Station Self Storage	Space Station House 200, Horton Road, Yiewsley, West Drayton, Greater London, UB7 8HX	Container and Storage	Transport, Storage and Delivery
A	54m NW	Works	Greater London, UB7	Unspecified Works Or Factories	Industrial Features
B	85m W	Southern Vulcanizing	502, Stone Close, Yiewsley, West Drayton, Greater London, UB7 8JU	Lifting and Handling Equipment	Industrial Products
B	85m W	Adapted Vehicle Hire	508, Stone Close, Yiewsley, West Drayton, Greater London, UB7 8JU	Vehicle Hire and Rental	Hire Services
2	91m S	Electricity Sub Station	Greater London, UB7	Electrical Features	Infrastructure and Facilities
B	104m W	Factory	Greater London, UB7	Unspecified Works Or Factories	Industrial Features
C	108m SW	Electricity Sub Station	Greater London, UB7	Electrical Features	Infrastructure and Facilities
C	120m S	Aig Spares Ltd	Unit 3, Horton Close, Yiewsley, West Drayton, Greater London, UB7 8EB	Vehicle Parts and Accessories	Motoring
B	122m W	Electricity Sub Station	Greater London, UB7	Electrical Features	Infrastructure and Facilities
D	150m W	Works	Greater London, UB7	Unspecified Works Or Factories	Industrial Features
D	153m W	Mercedes-benz Heathrow	520, Stone Close, Yiewsley, West Drayton, Greater London, UB7 8JU	New Vehicles	Motoring
C	157m S	Murray Productions	Unit B, Horton Close, Yiewsley, West Drayton, Greater London, UB7 8EB	Precision Engineers	Engineering Services
C	171m SW	Works	Greater London, UB7	Unspecified Works Or Factories	Industrial Features
C	171m SW	New Pro Foundries	Unit C, Horton Close, Yiewsley, West Drayton, Greater London, UB7 8EB	Metals Manufacturers, Fabricators and Stockholders	Industrial Products
C	183m SW	Electricity Sub Station	Greater London, UB7	Electrical Features	Infrastructure and Facilities

ID	Location	Company	Address	Activity	Category
3	214m W	Ilsley's Wholesale Supplies Ltd	500 Stone Close, Yiewsley, West Drayton, Greater London, UB7 8JU	Catering and Non Specific Food Products	Foodstuffs
E	215m W	Berry Heathrow B M W	505, Stone Close, West Drayton, Greater London, UB7 8JU	New Vehicles	Motoring
4	218m E	Electricity Sub Station	Greater London, UB11	Electrical Features	Infrastructure and Facilities
5	232m SE	Electricity Sub Station	Greater London, UB11	Electrical Features	Infrastructure and Facilities
F	232m SW	Tesla	Unit 1-2 Horton Industrial Park, Horton Road, Yiewsley, West Drayton, Greater London, UB7 8JD	New Vehicles	Motoring
F	243m SW	Electricity Sub Station	Greater London, UB7	Electrical Features	Infrastructure and Facilities
E	247m W	M O L Logistics	Unit 6 Crown Business Centre, Horton Road, Yiewsley, West Drayton, Greater London, UB7 8HP	Distribution and Haulage	Transport, Storage and Delivery
6	249m SW	Heathrow Coachworks Ltd	Millennium House, Horton Close, West Drayton, Greater London, UB7 8EB	Vehicle Repair, Testing and Servicing	Repair and Servicing

This data is sourced from Ordnance Survey.

4.2 Current or recent petrol stations

Records within 500m	**0**

Open, closed, under development and obsolete petrol stations.

This data is sourced from Experian.

4.3 Electricity cables

Records within 500m	**0**

High voltage underground electricity transmission cables.

This data is sourced from National Grid.

4.4 Gas pipelines

Records within 500m	0

High pressure underground gas transmission pipelines.

This data is sourced from National Grid.

4.5 Sites determined as Contaminated Land

Records within 500m	0

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

This data is sourced from Local Authority records.

4.6 Control of Major Accident Hazards (COMAH)

Records within 500m	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	6

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 42**

ID	Location	Address	Details	
D	152m W	Sipson Group, Stone Close, Horton Road, West Drayton, Middlesex, UB7 8JU	Process: Respraying of Road Vehicles Status: Current Permit Permit Type: Part B	Enforcement: No Enforcement Notified Date of enforcement: No Enforcement Notified Comment: No Enforcement Notified
D	154m W	Sipson Group, Stone Close, Horton Road, West Drayton, Middlesex,UB7 8JU	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
D	154m W	Simpson Coachworks, Stone Close	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
9	357m S	Baldwins, 8-10 Berrite Works, Ironbridge Road, West Drayton, UB7 8HY	Process: Respraying of Road Vehicles Status: Current Permit Permit Type: Part B	Enforcement: No Enforcement Notified Date of enforcement: No Enforcement Notified Comment: No Enforcement Notified

ID	Location	Address	Details	
G	417m S	Slough Motor Company, Berrite Works, Ironbridge Road, West Drayton, Middlesex, UB7 8HY	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
G	433m SE	Gardiner Bros Berrite Wks, Ironbridge Rd	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

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	**2**

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 42**

ID	Location	Address	Details	
8	352m S	BERRITE INDUSTRIAL ESTATE, IRONBRID, BERRITE INDUSTRIAL ESTATE IRONB, RIDGE ROAD WEST DRAYTON MIDDLE, SEX	Effluent Type: SEWAGE & TRADE COMBINED - UNSPECIFIED Permit Number: CTWC.0957 Permit Version: 1 Receiving Water: GRAND UNIONCANAL	Status: TRANSFERRED FROM COPA 1974 Issue date: 30/06/1986 Effective Date: 30/06/1986 Revocation Date: -
10	474m S	THE BERRITE ESTATE, IRON BRIDGE ROA, THE BERRITE ESTATE IRON BRIDGE, ROAD WEST DRAYTON MIDDLESEX	Effluent Type: MISCELLANEOUS DISCHARGES - SURFACE WATER Permit Number: CTWC.1112 Permit Version: 1 Receiving Water: GRAND UNIONCANAL	Status: TRANSFERRED FROM COPA 1974 Issue date: 11/08/1986 Effective Date: 11/08/1986 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	1

Discharges of Special Category Effluents to the public sewer.

Features are displayed on the Current industrial land use map on **page 42**

ID	Location	Address	Details	
C	176m SW	RR SIDWELL LTD, HORTON CLOSE, HORTON CLOSE, WEST DRAYTON, MIDDLESEX, UB7 8EB	Permission reference: AR7629 Local Authority: LONDON BOROUGH OF HILLINGDON First received date: 01/07/2010	Last received date: 01/01/2018 Status: RECEIVED

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	3

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 42**

ID	Location	Details	
7	286m E	Incident Date: 04/07/2002 Incident Identification: 89196 Pollutant: Pollutant Not Identified Pollutant Description: Not Identified	Water Impact: Category 3 (Minor) Land Impact: Category 4 (No Impact) Air Impact: Category 4 (No Impact)
H	429m SE	Incident Date: 07/10/2001 Incident Identification: 35091 Pollutant: Inert Materials and Wastes Pollutant Description: Construction and Demolition Materials and Wastes	Water Impact: Category 4 (No Impact) Land Impact: Category 4 (No Impact) Air Impact: Category 4 (No Impact)
H	436m SE	Incident Date: 25/01/2002 Incident Identification: 55002 Pollutant: Organic Chemicals/Products Pollutant Description: Paints and Varnishes	Water Impact: Category 4 (No Impact) 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.

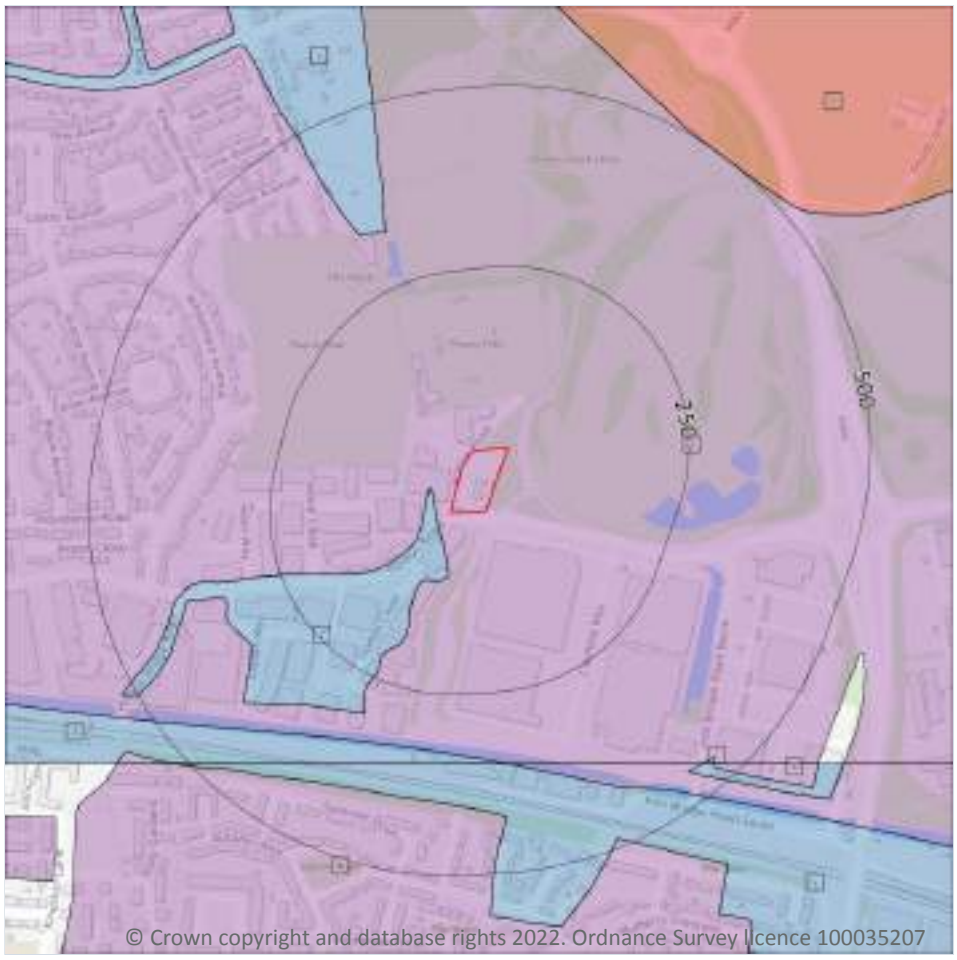
4.21 Pollution inventory radioactive waste

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	10

Aquifer status of groundwater held within superficial geology.

Features are displayed on the Hydrogeology map on **page 51**

ID	Location	Designation	Description
1	**On site**	**Principal**	**Geology of high intergranular and/or fracture permeability, usually providing a high level of water storage and may support water supply/river base flow on a strategic scale. Generally principal aquifers were previously major aquifers**
2	21m W	Unproductive	These are rock layers or drift deposits with low permeability that have negligible significance for water supply or river base flow

ID	Location	Designation	Description
3	325m N	Unproductive	These are rock layers or drift deposits with low permeability that have negligible significance for water supply or river base flow
4	328m S	Unproductive	These are rock layers or drift deposits with low permeability that have negligible significance for water supply or river base flow
5	346m S	Unproductive	These are rock layers or drift deposits with low permeability that have negligible significance for water supply or river base flow
6	350m 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
A	456m SE	Unproductive	These are rock layers or drift deposits with low permeability that have negligible significance for water supply or river base flow
7	460m SE	Unproductive	These are rock layers or drift deposits with low permeability that have negligible significance for water supply or river base flow
A	471m SE	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
8	500m NE	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	2

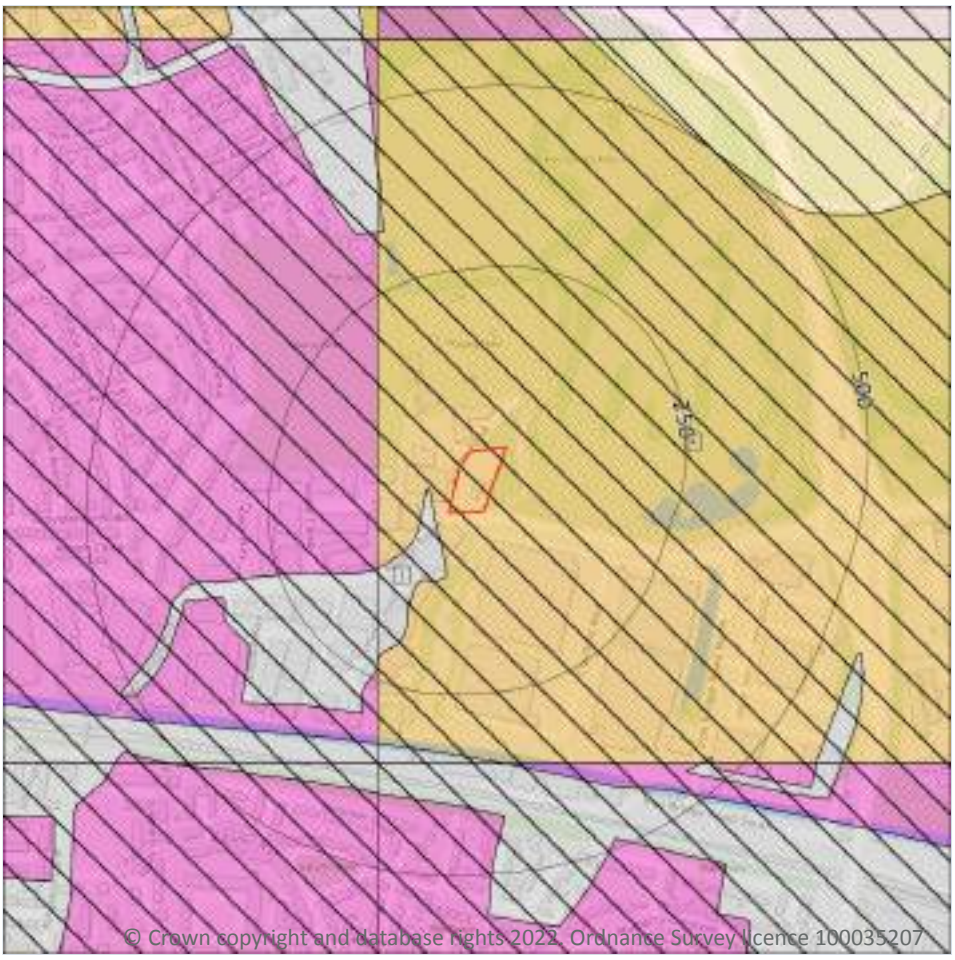
Aquifer status of groundwater held within bedrock geology.

Features are displayed on the Bedrock aquifer map on **page 53**

ID	Location	Designation	Description
1	**On site**	**Unproductive**	**These are rock layers or drift deposits with low permeability that have negligible significance for water supply or river base flow**
2	346m S	Unproductive	These are rock layers or drift deposits with low permeability that have negligible significance for water supply or river base flow

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

Groundwater vulnerability



Site Outline

Search buffers in metres (m)

Superficial vulnerability

- Principal superficial aquifer, high vulnerability
- Secondary superficial aquifer, high vulnerability
- Principal superficial aquifer, medium vulnerability
- Secondary superficial aquifer, medium vulnerability
- Principal superficial aquifer, low vulnerability
- Secondary superficial aquifer, low vulnerability

Bedrock vulnerability

- Principal bedrock aquifer, high vulnerability
- Secondary bedrock aquifer, high vulnerability
- Principal bedrock aquifer, medium vulnerability
- Secondary bedrock aquifer, medium vulnerability
- Principal bedrock aquifer, low vulnerability
- Secondary bedrock aquifer, low vulnerability

Other information

- Unproductive aquifer
- Soluble rock risk
- Local information

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 54**

ID	Location	Summary	Soil / surface	Superficial geology	Bedrock geology
A	**On site**	**Summary Classification: Principal superficial aquifer - High Vulnerability Combined classification: Unproductive Bedrock Aquifer, Productive Superficial Aquifer**	**Leaching class: High Infiltration value: 40-70% Dilution value: 300-550mm/year**	**Vulnerability: High Aquifer type: Principal Thickness: 3-10m Patchiness value: >90% Recharge potential: High**	**Vulnerability: Unproductive Aquifer type: Unproductive Flow mechanism: Mixed**
1	20m W	Summary Classification: Unproductive aquifer (may have productive aquifer beneath) Combined classification: Unproductive Bedrock Aquifer, Unproductive Superficial Aquifer	Leaching class: High Infiltration value: 40-70% Dilution value: 300-550mm/year	Vulnerability: Unproductive Aquifer type: Unproductive Thickness: 3-10m Patchiness value: >90% Recharge potential: High	Vulnerability: Unproductive Aquifer type: Unproductive Flow mechanism: Mixed

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	**1**

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

ID	Summary	Additional information
A	**Highly vulnerable Principal superficial aquifer present in river terrace gravels**	**Principal superficial aquifer in river terrace gravels with only a thin cover of low permeability silts and/or alluvium (shown as unproductive)**

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

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	26

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

Features are displayed on the Abstractions and Source Protection Zones map on **page 56**

ID	Location	Details	
A	335m E	Status: Historical Licence No: 28/39/36/0067 Details: Spray Irrigation - Storage Direct Source: THAMES GROUNDWATER Point: BOREHOLE AT STOCKLEY PARK (PHASE 3) Data Type: Point Name: STOCKLEY PARK PHASE 3 LIMITED Easting: 507460 Northing: 180230	Annual Volume (m^3): - Max Daily Volume (m^3): - Original Application No: - Original Start Date: 05/03/2001 Expiry Date: 31-Dec-09 Issue No: 1 Version Start Date: 05/03/2001 Version End Date: -
A	335m E	Status: Historical Licence No: 28/39/36/0067 Details: Spray Irrigation - Storage Direct Source: THAMES GROUNDWATER Point: STOCKLEY PARK (PHASE 3)- BOREHOLE A Data Type: Point Name: STOCKLEY PARK WEST LIMITED Easting: 507460 Northing: 180230	Annual Volume (m^3): 45411 Max Daily Volume (m^3): 604.8 Original Application No: - Original Start Date: 05/03/2001 Expiry Date: 31/12/2009 Issue No: 3 Version Start Date: 07/12/2007 Version End Date: -
A	335m E	Status: Historical Licence No: TH/039/0036/004 Details: Spray Irrigation - Storage Direct Source: THAMES GROUNDWATER Point: STOCKLEY PARK (PHASE 3)- BOREHOLE A Data Type: Point Name: Horton Road Limited Easting: 507460 Northing: 180230	Annual Volume (m^3): 45411 Max Daily Volume (m^3): 604.8 Original Application No: - Original Start Date: 02/02/2010 Expiry Date: 31/03/2019 Issue No: 2 Version Start Date: 24/09/2015 Version End Date: -
A	335m E	Status: Historical Licence No: TH/039/0036/004 Details: Make-Up Or Top Up Water Direct Source: THAMES GROUNDWATER Point: STOCKLEY PARK (PHASE 3)- BOREHOLE A Data Type: Point Name: Prologis UK CCCIX SARL Easting: 507460 Northing: 180230	Annual Volume (m^3): 45411 Max Daily Volume (m^3): 604.8 Original Application No: - Original Start Date: 02/02/2010 Expiry Date: 31/03/2019 Issue No: 4 Version Start Date: 14/09/2018 Version End Date: -
1	374m SE	Status: Active Licence No: TH/039/0036/004/R01 Details: Make-Up Or Top Up Water Direct Source: THAMES GROUNDWATER Point: STOCKLEY PARK (PHASE 3)- BOREHOLE A Data Type: Point Name: Prologis UK CCCIX SARL Easting: 507412 Northing: 180084	Annual Volume (m^3): 3,500 Max Daily Volume (m^3): 50 Original Application No: NPS/WR/026745 Original Start Date: 01/04/2019 Expiry Date: 31/03/2025 Issue No: 1 Version Start Date: 01/04/2019 Version End Date: -

ID	Location	Details	
B	403m E	Status: Historical Licence No: 28/39/36/0066 Details: Spray Irrigation - Direct Direct Source: THAMES GROUNDWATER Point: BOREHOLE AT STOCKLEY PARK GOLF LIMITED Data Type: Point Name: STOCKLEY PARK GOLF LIMITED Easting: 507580 Northing: 180410	Annual Volume (m^3): - Max Daily Volume (m^3): - Original Application No: - Original Start Date: - Expiry Date: 31/12/2009 Issue No: 1 Version Start Date: 11/01/2001 Version End Date: -
B	403m E	Status: Historical Licence No: 28/39/36/0069 Details: Spray Irrigation - Direct Direct Source: THAMES GROUNDWATER Point: STOCKLEY PARK, UXBRIDGE (BOREHOLE) Data Type: Point Name: STOCKLEY PARK GOLF LIMITED Easting: 507580 Northing: 180410	Annual Volume (m^3): 78000 Max Daily Volume (m^3): 2182 Original Application No: - Original Start Date: 05/11/2001 Expiry Date: 31/03/2013 Issue No: 1 Version Start Date: 05/11/2001 Version End Date: -
B	403m E	Status: Historical Licence No: 28/39/36/0069 Details: General Washing/Process Washing Direct Source: THAMES GROUNDWATER Point: STOCKLEY PARK, UXBRIDGE (BOREHOLE) Data Type: Point Name: STOCKLEY PARK GOLF LIMITED Easting: 507580 Northing: 180410	Annual Volume (m^3): 78000 Max Daily Volume (m^3): 2182 Original Application No: - Original Start Date: 05/11/2001 Expiry Date: 31/03/2013 Issue No: 1 Version Start Date: 05/11/2001 Version End Date: -
B	403m E	Status: Active Licence No: TH/039/0036/012 Details: Spray Irrigation - Direct Direct Source: THAMES GROUNDWATER Point: STOCKLEY PARK, UXBRIDGE (BOREHOLE) Data Type: Point Name: Stockley Park Golf Club Limited Easting: 507580 Northing: 180410	Annual Volume (m^3): 78,000 Max Daily Volume (m^3): 2,182 Original Application No: - Original Start Date: 01/04/2013 Expiry Date: 31/03/2025 Issue No: 1 Version Start Date: 01/04/2013 Version End Date: -
B	403m E	Status: Active Licence No: TH/039/0036/012 Details: General Washing/Process Washing Direct Source: THAMES GROUNDWATER Point: STOCKLEY PARK, UXBRIDGE (BOREHOLE) Data Type: Point Name: Stockley Park Golf Club Limited Easting: 507580 Northing: 180410	Annual Volume (m^3): 78,000 Max Daily Volume (m^3): 2,182 Original Application No: - Original Start Date: 01/04/2013 Expiry Date: 31/03/2025 Issue No: 1 Version Start Date: 01/04/2013 Version End Date: -

ID	Location	Details	
-	1166m E	Status: Active Licence No: TH/039/0036/003/R01 Details: Make-Up Or Top Up Water Direct Source: THAMES GROUNDWATER Point: STOCKLEY PARK, UXBRIDGE, BOREHOLE A Data Type: Point Name: Stockley Park Estates Company Limited Easting: 508320 Northing: 180202	Annual Volume (m^3): 30,000 Max Daily Volume (m^3): 720 Original Application No: NPS/WR/026744 Original Start Date: 01/04/2019 Expiry Date: 31/03/2026 Issue No: 3 Version Start Date: 01/04/2019 Version End Date: -
-	1180m E	Status: Historical Licence No: 28/39/36/0065 Details: Make-Up or Top Up Water Direct Source: THAMES GROUNDWATER Point: BOREHOLE AT STOCKLEY PARK Data Type: Point Name: STOCKLEY PARK MANAGEMENT LTD Easting: 508340 Northing: 180230	Annual Volume (m^3): - Max Daily Volume (m^3): - Original Application No: - Original Start Date: 25/10/2000 Expiry Date: 31-Dec-09 Issue No: 2 Version Start Date: 25/09/2002 Version End Date: -
-	1180m E	Status: Historical Licence No: 28/39/36/0065 Details: Spray Irrigation - Direct Direct Source: THAMES GROUNDWATER Point: BOREHOLE AT STOCKLEY PARK Data Type: Point Name: STOCKLEY PARK MANAGEMENT LTD Easting: 508340 Northing: 180230	Annual Volume (m^3): - Max Daily Volume (m^3): - Original Application No: - Original Start Date: 25/10/2000 Expiry Date: 31-Dec-09 Issue No: 2 Version Start Date: 25/09/2002 Version End Date: -
-	1180m E	Status: Historical Licence No: 28/39/36/0065 Details: Make-Up Or Top Up Water Direct Source: THAMES GROUNDWATER Point: STOCKLEY PARK, UXBRIDGE- BOREHOLE A Data Type: Point Name: STOCKLEY PARK MANAGEMENT LTD Easting: 508340 Northing: 180230	Annual Volume (m^3): 50005 Max Daily Volume (m^3): 720 Original Application No: - Original Start Date: 25/10/2000 Expiry Date: 31/12/2009 Issue No: 3 Version Start Date: 14/04/2003 Version End Date: -
-	1180m E	Status: Historical Licence No: 28/39/36/0065 Details: Spray Irrigation - Direct Direct Source: THAMES GROUNDWATER Point: STOCKLEY PARK, UXBRIDGE- BOREHOLE A Data Type: Point Name: STOCKLEY PARK MANAGEMENT LTD Easting: 508340 Northing: 180230	Annual Volume (m^3): 50005 Max Daily Volume (m^3): 720 Original Application No: - Original Start Date: 25/10/2000 Expiry Date: 31/12/2009 Issue No: 3 Version Start Date: 14/04/2003 Version End Date: -

ID	Location	Details	
-	1180m E	Status: Historical Licence No: TH/039/0036/003 Details: Spray Irrigation - Direct Direct Source: THAMES GROUNDWATER Point: STOCKLEY PARK, UXBRIDGE- BOREHOLE A Data Type: Point Name: STOCKLEY PARK ESTATE MANAGEMENT LIMITED Easting: 508340 Northing: 180230	Annual Volume (m^3): 50005 Max Daily Volume (m^3): 720 Original Application No: - Original Start Date: 02/02/2010 Expiry Date: 31/03/2019 Issue No: 1 Version Start Date: 02/02/2010 Version End Date: -
-	1180m E	Status: Historical Licence No: TH/039/0036/003 Details: Spray Irrigation - Storage Direct Source: THAMES GROUNDWATER Point: STOCKLEY PARK, UXBRIDGE, BOREHOLE A Data Type: Point Name: Stockley Park Estates Company Limited Easting: 508340 Northing: 180230	Annual Volume (m^3): 50005 Max Daily Volume (m^3): 720 Original Application No: - Original Start Date: 02/02/2010 Expiry Date: 31/03/2019 Issue No: 2 Version Start Date: 15/07/2016 Version End Date: -
-	1408m NE	Status: Historical Licence No: 28/39/28/0277 Details: Spray Irrigation - Direct Direct Source: THAMES GROUNDWATER Point: WELL AT LITTLE LONDON NURSERY, HARLINGTON ROAD, HILLINGDON Data Type: Point Name: BARWICK Easting: 507800 Northing: 181700	Annual Volume (m^3): - Max Daily Volume (m^3): - Original Application No: - Original Start Date: 13/02/1967 Expiry Date: - Issue No: 100 Version Start Date: 25/09/1996 Version End Date: -
-	1408m NE	Status: Historical Licence No: 28/39/28/0277 Details: Spray Irrigation - Spray Irrigation Definition Order Direct Source: THAMES GROUNDWATER Point: WELL AT LITTLE LONDON NURSERY, HARLINGTON ROAD, HILLINGDON Data Type: Point Name: BARWICK Easting: 507800 Northing: 181700	Annual Volume (m^3): - Max Daily Volume (m^3): - Original Application No: - Original Start Date: 13/02/1967 Expiry Date: - Issue No: 100 Version Start Date: 25/09/1996 Version End Date: -

ID	Location	Details	
-	1513m N	Status: Historical Licence No: 28/39/28/0513 Details: Drinking, Cooking, Sanitary, Washing, (Small Garden) - Commercial/Industrial/Public Services Direct Source: THAMES GROUNDWATER Point: BOREHOLE B AT HILLINGDON HOSPITAL, HILLINGDON Data Type: Point Name: HILLINGDON HOSPITAL NHS TRUST Easting: 506910 Northing: 181930	Annual Volume (m^3): 200000 Max Daily Volume (m^3): 1000 Original Application No: - Original Start Date: 05/10/1992 Expiry Date: - Issue No: 102 Version Start Date: 01/04/2005 Version End Date: -
-	1513m N	Status: Active Licence No: 28/39/28/0513 Details: Drinking, Cooking, Sanitary, Washing, (Small Garden) - Commercial/Industrial/Public Services Direct Source: THAMES GROUNDWATER Point: HILLINGDON HOSPITAL- BOREHOLE Data Type: Point Name: HILLINGDON HOSPITAL NHS TRUST Easting: 506910 Northing: 181930	Annual Volume (m^3): 138,166 Max Daily Volume (m^3): 385.40 Original Application No: - Original Start Date: 05/10/1992 Expiry Date: - Issue No: 103 Version Start Date: 01/01/2010 Version End Date: -
-	1737m N	Status: Historical Licence No: 28/39/28/0513 Details: Drinking, Cooking, Sanitary, Washing, (Small Garden) - Commercial/Industrial/Public Services Direct Source: THAMES GROUNDWATER Point: BOREHOLE A AT HILLINGDON HOSPITAL, HILLINGDON Data Type: Point Name: HILLINGDON HOSPITAL NHS TRUST Easting: 506950 Northing: 182160	Annual Volume (m^3): 200000 Max Daily Volume (m^3): 1000 Original Application No: - Original Start Date: 05/10/1992 Expiry Date: - Issue No: 102 Version Start Date: 01/04/2005 Version End Date: -
-	1737m N	Status: Active Licence No: 28/39/28/0513 Details: Drinking, Cooking, Sanitary, Washing, (Small Garden) - Commercial/Industrial/Public Services Direct Source: THAMES GROUNDWATER Point: HILLINGDON HOSPITAL - BOREHOLE Data Type: Point Name: HILLINGDON HOSPITAL NHS TRUST Easting: 506950 Northing: 182160	Annual Volume (m^3): 138,166 Max Daily Volume (m^3): 385.40 Original Application No: - Original Start Date: 05/10/1992 Expiry Date: - Issue No: 103 Version Start Date: 01/01/2010 Version End Date: -

ID	Location	Details	
-	1775m N	Status: Historical Licence No: 28/39/28/0513 Details: Drinking, Cooking, Sanitary, Washing, (Small Garden) - Commercial/Industrial/Public Services Direct Source: THAMES GROUNDWATER Point: BOREHOLE C AT HILLINGDON HOSPITAL, HILLINGDON Data Type: Point Name: HILLINGDON HOSPITAL NHS TRUST Easting: 506820 Northing: 182180	Annual Volume (m^3): 200000 Max Daily Volume (m^3): 1000 Original Application No: - Original Start Date: 05/10/1992 Expiry Date: - Issue No: 102 Version Start Date: 01/04/2005 Version End Date: -
-	1964m N	Status: Historical Licence No: 28/39/28/0008 Details: Laundry Use Direct Source: THAMES GROUNDWATER Point: BOREHOLE AT WHITELYS PARADE Data Type: Point Name: BLUE DRAGON (HILLINGDON) LTD Easting: 507800 Northing: 182300	Annual Volume (m^3): 37669 Max Daily Volume (m^3): 181.84 Original Application No: - Original Start Date: 08/11/1965 Expiry Date: - Issue No: 100 Version Start Date: 08/11/1965 Version End Date: -
-	1968m N	Status: Active Licence No: 28/39/28/0008 Details: Laundry Use Direct Source: THAMES GROUNDWATER Point: BOREHOLE AT WHITELYS PARADE Data Type: Point Name: BLUE DRAGON (HILLINGDON) LTD Easting: 507817 Northing: 182299	Annual Volume (m^3): 47,663 Max Daily Volume (m^3): 200 Original Application No: NPS/WR/014518 Original Start Date: 08/11/1965 Expiry Date: - Issue No: 101 Version Start Date: 07/02/2014 Version End Date: -

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

5.7 Surface water abstractions

Records within 2000m	**2**

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 56**

ID	Location	Details	
2	774m SE	Status: Active Licence No: 28/39/36/0038 Details: Process Water Direct Source: THAMES SURFACE WATER - NON TIDAL Point: GRAND UNION CANAL AT STOCKLEY ROAD, WEST DRAYTON. Data Type: Line Name: Canal and River Trust Easting: 507770 Northing: 179890	Annual Volume (m^3): 24,000 Max Daily Volume (m^3): 160 Original Application No: - Original Start Date: 26/03/1976 Expiry Date: - Issue No: 102 Version Start Date: 17/12/2007 Version End Date: -
3	779m SE	Status: Historical Licence No: 28/39/36/0038 Details: Dust suppression Direct Source: THAMES SURFACE WATER - NON TIDAL Point: GRAND UNION CANAL FRONTAGE AT WEST DRAYTON Data Type: Line Name: BRITISH WATERWAYS BOARD Easting: 507700 Northing: 179800	Annual Volume (m^3): - Max Daily Volume (m^3): - Original Application No: - Original Start Date: 26/03/1976 Expiry Date: - Issue No: 100 Version Start Date: 28/02/1995 Version End Date: -

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

5.8 Potable abstractions

Records within 2000m	**5**

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

Features are displayed on the Abstractions and Source Protection Zones map on **page 56**

ID	Location	Details	
-	1513m N	Status: Historical Licence No: 28/39/28/0513 Details: Drinking, Cooking, Sanitary, Washing, (Small Garden) - Commercial/Industrial/Public Services Direct Source: THAMES GROUNDWATER Point: BOREHOLE B AT HILLINGDON HOSPITAL, HILLINGDON Data Type: Point Name: HILLINGDON HOSPITAL NHS TRUST Easting: 506910 Northing: 181930	Annual Volume (m^3): 200000 Max Daily Volume (m^3): 1000 Original Application No: - Original Start Date: 05/10/1992 Expiry Date: - Issue No: 102 Version Start Date: 01/04/2005 Version End Date: -

ID	Location	Details	
-	1513m N	Status: Active Licence No: 28/39/28/0513 Details: Drinking, Cooking, Sanitary, Washing, (Small Garden) - Commercial/Industrial/Public Services Direct Source: THAMES GROUNDWATER Point: HILLINGDON HOSPITAL- BOREHOLE Data Type: Point Name: HILLINGDON HOSPITAL NHS TRUST Easting: 506910 Northing: 181930	Annual Volume (m^3): 138,166 Max Daily Volume (m^3): 385.40 Original Application No: - Original Start Date: 05/10/1992 Expiry Date: - Issue No: 103 Version Start Date: 01/01/2010 Version End Date: -
-	1737m N	Status: Historical Licence No: 28/39/28/0513 Details: Drinking, Cooking, Sanitary, Washing, (Small Garden) - Commercial/Industrial/Public Services Direct Source: THAMES GROUNDWATER Point: BOREHOLE A AT HILLINGDON HOSPITAL, HILLINGDON Data Type: Point Name: HILLINGDON HOSPITAL NHS TRUST Easting: 506950 Northing: 182160	Annual Volume (m^3): 200000 Max Daily Volume (m^3): 1000 Original Application No: - Original Start Date: 05/10/1992 Expiry Date: - Issue No: 102 Version Start Date: 01/04/2005 Version End Date: -
-	1737m N	Status: Active Licence No: 28/39/28/0513 Details: Drinking, Cooking, Sanitary, Washing, (Small Garden) - Commercial/Industrial/Public Services Direct Source: THAMES GROUNDWATER Point: HILLINGDON HOSPITAL - BOREHOLE Data Type: Point Name: HILLINGDON HOSPITAL NHS TRUST Easting: 506950 Northing: 182160	Annual Volume (m^3): 138,166 Max Daily Volume (m^3): 385.40 Original Application No: - Original Start Date: 05/10/1992 Expiry Date: - Issue No: 103 Version Start Date: 01/01/2010 Version End Date: -
-	1775m N	Status: Historical Licence No: 28/39/28/0513 Details: Drinking, Cooking, Sanitary, Washing, (Small Garden) - Commercial/Industrial/Public Services Direct Source: THAMES GROUNDWATER Point: BOREHOLE C AT HILLINGDON HOSPITAL, HILLINGDON Data Type: Point Name: HILLINGDON HOSPITAL NHS TRUST Easting: 506820 Northing: 182180	Annual Volume (m^3): 200000 Max Daily Volume (m^3): 1000 Original Application No: - Original Start Date: 05/10/1992 Expiry Date: - Issue No: 102 Version Start Date: 01/04/2005 Version End Date: -

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

5.9 Source Protection Zones

Records within 500m	0

Source Protection Zones define the sensitivity of an area around a potable abstraction site to contamination.

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

5.10 Source Protection Zones (confined aquifer)

Records within 500m	0

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

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

6 Hydrology

Site Outline

Search buffers in metres (m)

Water Network (OS MasterMap)

Surface water features (wider than 5m)

Surface water features (narrower than 5m)

WFD River, canal and surface water transfer water bodies

WFD Lake water bodies

WFD Transitional and coastal water bodies

WFD Surface water body catchments boundaries

WFD Groundwater body boundaries

6.1 Water Network (OS MasterMap)

Records within 250m	0

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

This data is sourced from the Ordnance Survey.

6.2 Surface water features

Records within 250m	2

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 66**

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 66**

ID	Location	Type	Water body catchment	Water body ID	Operational catchment	Management catchment
A	**On site**	**River**	**Pinn**	**GB106039023070**	**Colne**	**Colne**

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 66**

ID	Location	Type	Name	Water body ID	Overall rating	Chemical rating	Ecological rating	Year
-	1368m NW	River	Pinn	GB106039023070	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 66**

ID	Location	Name	Water body ID	Overall rating	Chemical rating	Quantitative	Year
A	**On site**	**Lower Thames Gravels**	**GB40603G000300**	**Poor**	**Good**	**Poor**	**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	**Negligible**
Highest risk within 50m	**Negligible**

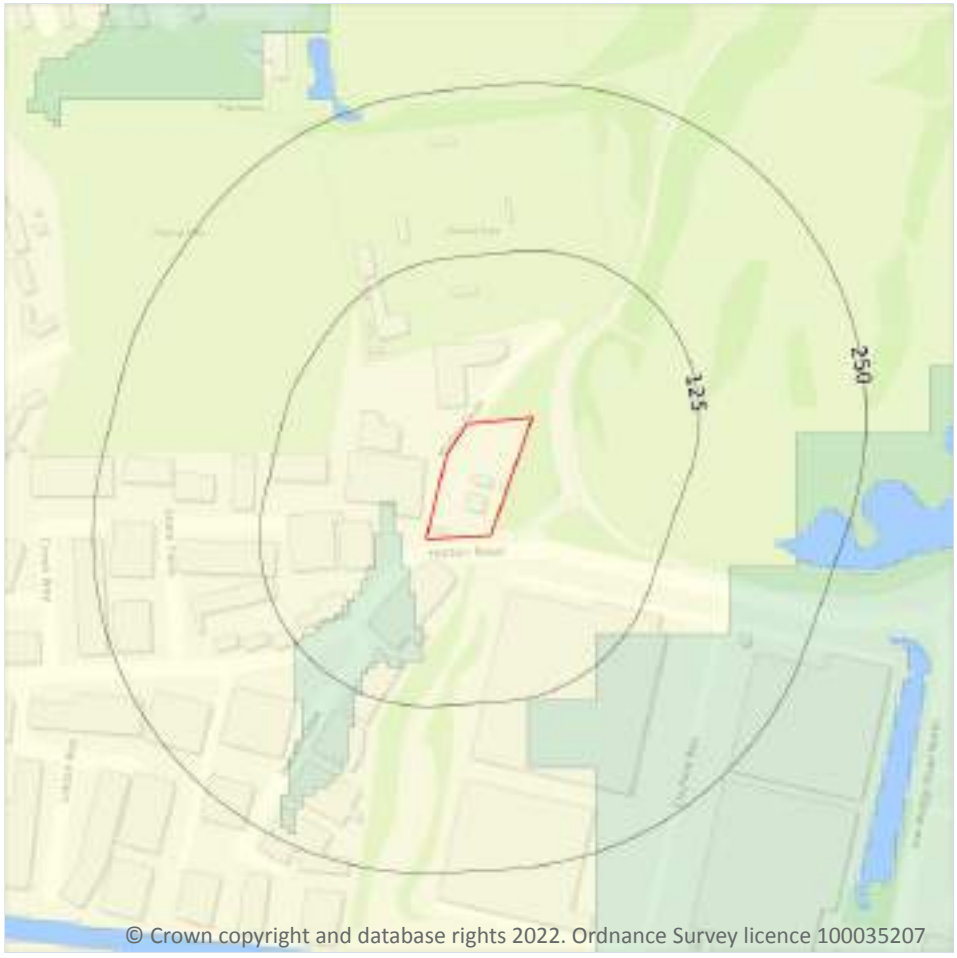
Ambiental Risk Analytics surface water (pluvial) FloodMap identifies areas likely to flood as a result of extreme rainfall events, i.e. land naturally vulnerable to surface water ponding or flooding. This data set was produced by simulating 1 in 30 year, 1 in 100 year, 1 in 250 year and 1 in 1,000 year 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.

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

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

This data is sourced from Ambiental Risk Analytics.

9 Groundwater flooding



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 73**

This data is sourced from Ambiental Risk Analytics.

10 Environmental designations

Site Outline

Search buffers in metres (m)

Green Belt

10.1 Sites of Special Scientific Interest (SSSI)

Records within 2000m	0

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

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

10.2 Conserved wetland sites (Ramsar sites)

Records within 2000m	0

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

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

10.3 Special Areas of Conservation (SAC)

Records within 2000m	0

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

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

10.4 Special Protection Areas (SPA)

Records within 2000m	0

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

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

10.5 National Nature Reserves (NNR)

Records within 2000m	0

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

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

10.6 Local Nature Reserves (LNR)

Records within 2000m	0

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

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

10.7 Designated Ancient Woodland

Records within 2000m	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	24

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

Features are displayed on the Environmental designations map on **page 74**

ID	Location	Name	Local Authority name
1	**On site**	**London**	**Hillingdon**
2	16m S	London	Hillingdon
3	478m E	London	Hillingdon
4	640m NE	London	Hillingdon
5	797m S	London	Hillingdon
6	875m N	London	Hillingdon
7	955m SE	London	Hillingdon
8	1145m NW	London	Hillingdon
9	1188m SE	London	Hillingdon
10	1257m SW	London	Hillingdon
-	1412m E	London	Hillingdon
-	1445m W	London	Hillingdon
-	1542m S	London	Hillingdon
-	1628m S	London	Hillingdon
-	1645m S	London	Hillingdon
-	1717m SW	London	Hillingdon
-	1761m N	London	Hillingdon
-	1771m N	London	Hillingdon

ID	Location	Name	Local Authority name
-	1808m S	London	Hillingdon
-	1822m W	London	Buckinghamshire
-	1823m S	London	Hillingdon
-	1890m N	London	Hillingdon
-	1895m S	London	Hillingdon
-	1980m S	London	Hillingdon

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.

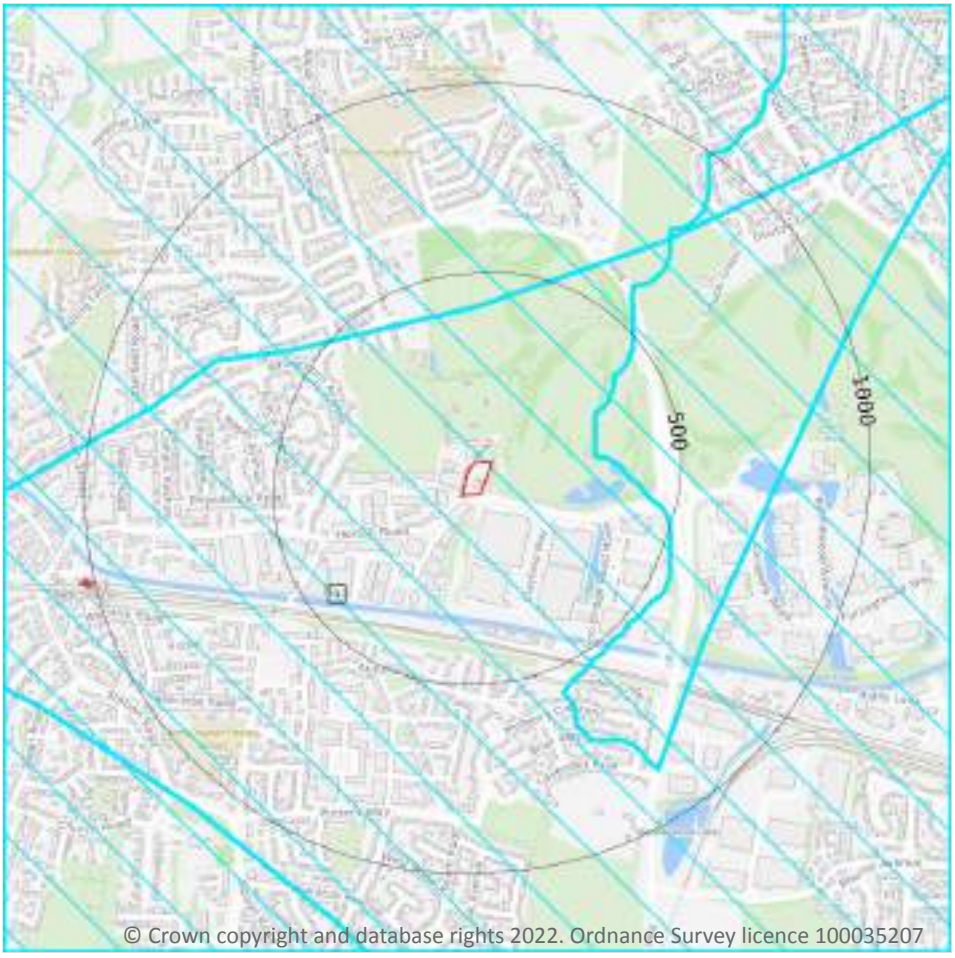
10.16 Nitrate Vulnerable Zones

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.

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 80**

ID	Location	Type of developments requiring consultation
1	**On site**	**Infrastructure - Airports, helipads and other aviation proposals.** **Air pollution - Livestock & poultry units with floorspace > 500m², slurry lagoons & digestate stores > 4000m².** **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.** **Discharges - Any discharge of water or liquid waste of more than 20m³/day to ground (ie to seep away) or to surface water, such as a beck or stream.**

This data is sourced from Natural England.

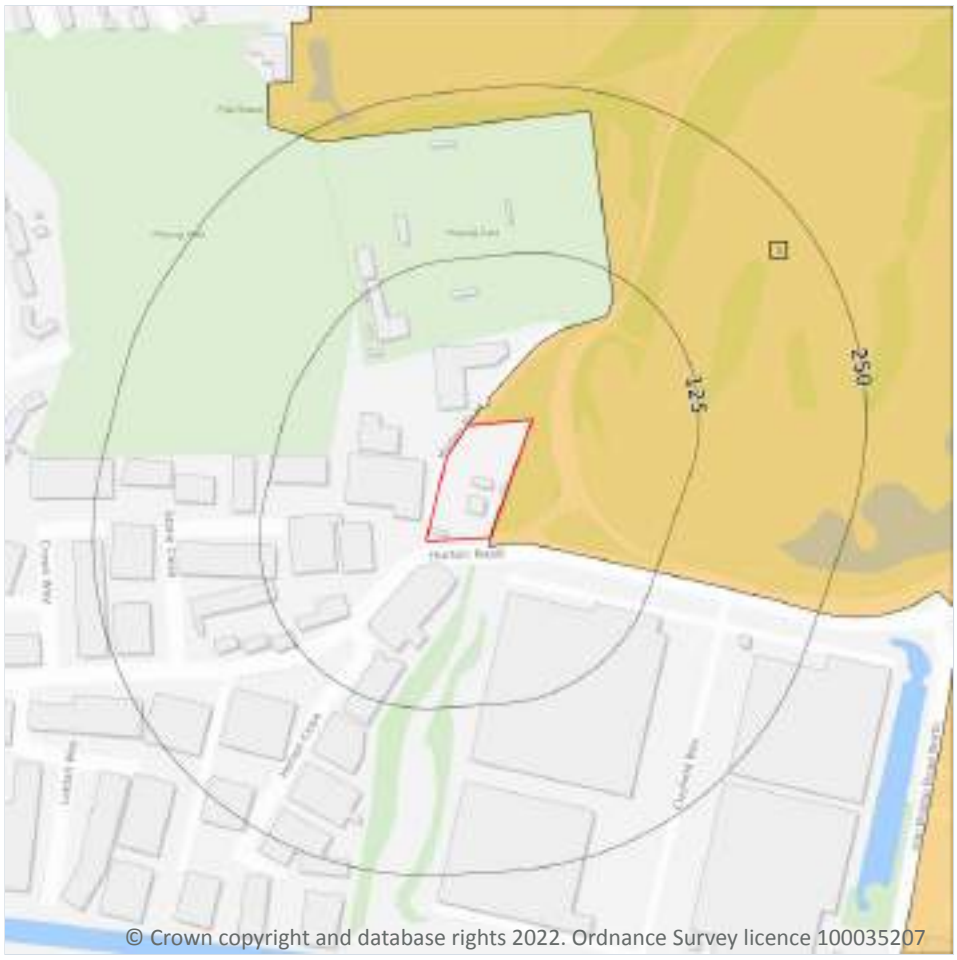
10.18 SSSI Units

Records within 2000m	**0**

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

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

11 Visual and cultural designations



Site Outline

Search buffers in metres (m)

Listed buildings

Conservation areas

Conservation areas - no data

National Parks

Areas of Outstanding Natural Beauty

Registered parks and gardens

Scheduled Monuments

World Heritage Sites

11.1 World Heritage Sites

Records within 250m	0

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

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

11.2 Area of Outstanding Natural Beauty

Records within 250m	0

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

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

11.3 National Parks

Records within 250m	0

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

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

11.4 Listed Buildings

Records within 250m	0

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

This data is sourced from 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	1

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.

Features are displayed on the Visual and cultural designations map on **page 82**

ID	Location	Name	Grade
1	**On site**	**Stockley Park: Business Park Phases I And Ii, And Country Park And Golf Course**	**II**

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 85**

ID	Location	Classification	Description
1	**On site**	**Urban**	**-**
2	243m N	Urban	-

This data is sourced from Natural England.

12.2 Open Access Land

Records within 250m	0

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

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

12.3 Tree Felling Licences

Records within 250m	0

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

This data is sourced from the Forestry Commission.

12.4 Environmental Stewardship Schemes

Records within 250m	0

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

This data is sourced from Natural England.

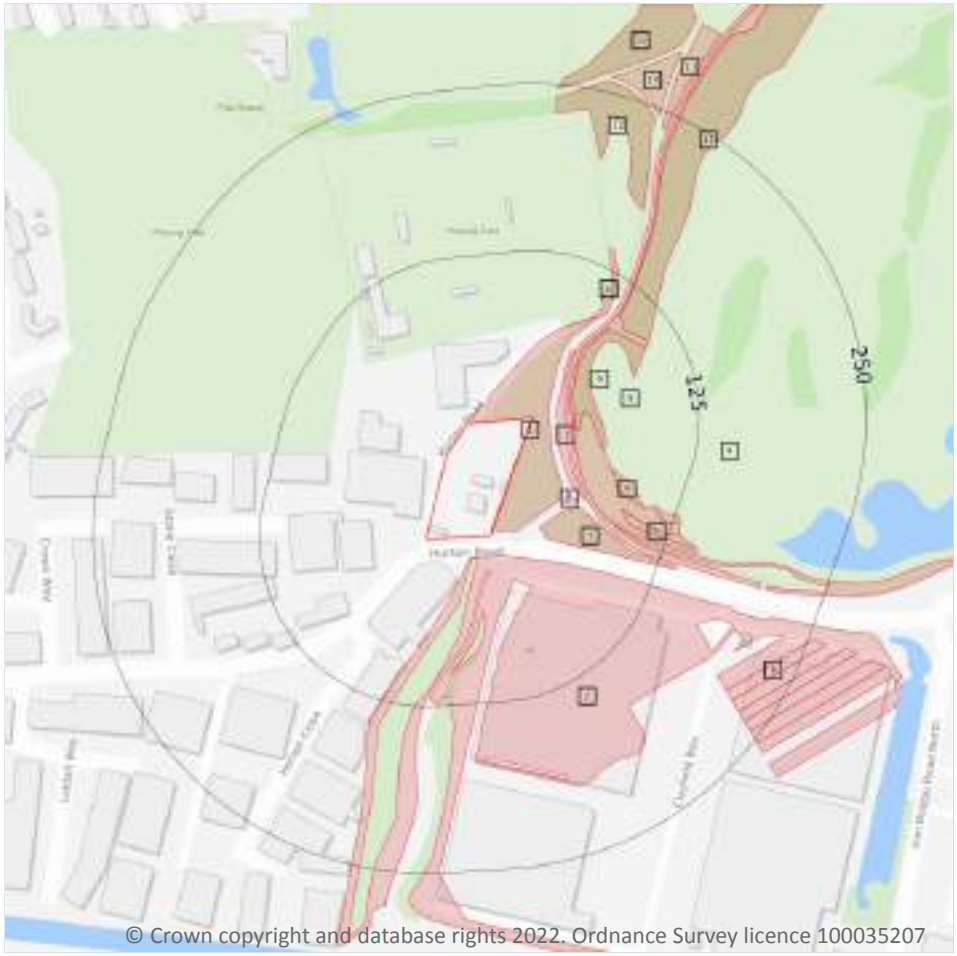
12.5 Countryside Stewardship Schemes

Records within 250m	0

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

This data is sourced from Natural England.

13 Habitat designations



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	20

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 87**

ID	Location	Main Habitat	Other habitats
1	**On site**	**Deciduous woodland**	**Main habitat: DWOOD (INV > 50%)**
2	16m S	No main habitat but additional habitats present	Additional: DWOOD (INV 50%)
3	19m E	Deciduous woodland	Main habitat: DWOOD (INV > 50%)
4	26m E	Deciduous woodland	Main habitat: DWOOD (INV > 50%)

ID	Location	Main Habitat	Other habitats
5	29m E	Deciduous woodland	Main habitat: DWOOD (INV > 50%)
6	32m E	Deciduous woodland	Main habitat: DWOOD (INV > 50%)
7	33m E	Deciduous woodland	Main habitat: DWOOD (INV > 50%)
8	43m E	Deciduous woodland	Main habitat: DWOOD (INV > 50%)
9	68m E	Deciduous woodland	Main habitat: DWOOD (INV > 50%)
10	75m NE	Deciduous woodland	Main habitat: DWOOD (INV > 50%)
A	86m E	Deciduous woodland	Main habitat: DWOOD (INV > 50%)
11	95m NE	Deciduous woodland	Main habitat: DWOOD (INV > 50%)
A	108m E	Deciduous woodland	Main habitat: DWOOD (INV > 50%)
12	177m NE	Deciduous woodland	Main habitat: DWOOD (INV > 50%)
B	211m SE	Deciduous woodland	Main habitat: DWOOD (INV > 50%)
B	228m SE	Deciduous woodland	Main habitat: DWOOD (INV > 50%)
13	236m NE	Deciduous woodland	Main habitat: DWOOD (INV > 50%)
B	243m SE	Deciduous woodland	Main habitat: DWOOD (INV > 50%)
14	246m NE	Deciduous woodland	Main habitat: DWOOD (INV > 50%)
15	247m N	Deciduous woodland	Main habitat: DWOOD (INV > 50%)

This data is sourced from Natural England.

13.2 Habitat Networks

Records within 250m	**0**

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

This data is sourced from Natural England.

13.3 Open Mosaic Habitat

Records within 250m	**0**

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

This data is sourced from Natural England.

13.4 Limestone Pavement Orders

Records within 250m	0

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

This data is sourced from Natural England.

14 Geology 1:10,000 scale - Availability

Site Outline

Search buffers in metres (m)

Full coverage

Partial coverage

No coverage

14.1 10k Availability

Records within 500m	2

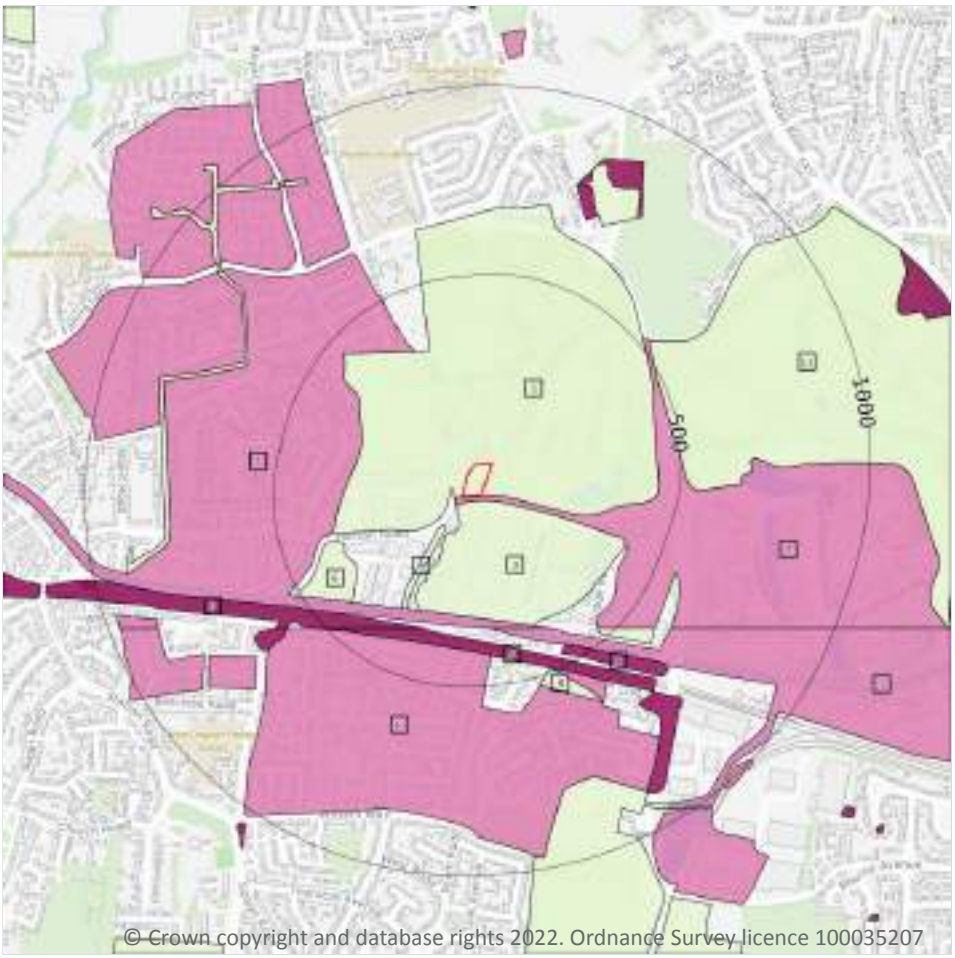
An indication on the coverage of 1:10,000 scale geology data for the site, the most detailed dataset provided by the British Geological Survey. Either 'Full', 'Partial' or 'No coverage' for each geological theme.

Features are displayed on the Geology 1:10,000 scale - Availability map on **page 90**

ID	Location	Artificial	Superficial	Bedrock	Mass movement	Sheet No.
1	**On site**	**Full**	**Full**	**Full**	**No coverage**	**TQ08SE**
2	346m S	Full	Full	Full	No coverage	TQ07NE

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	15

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.

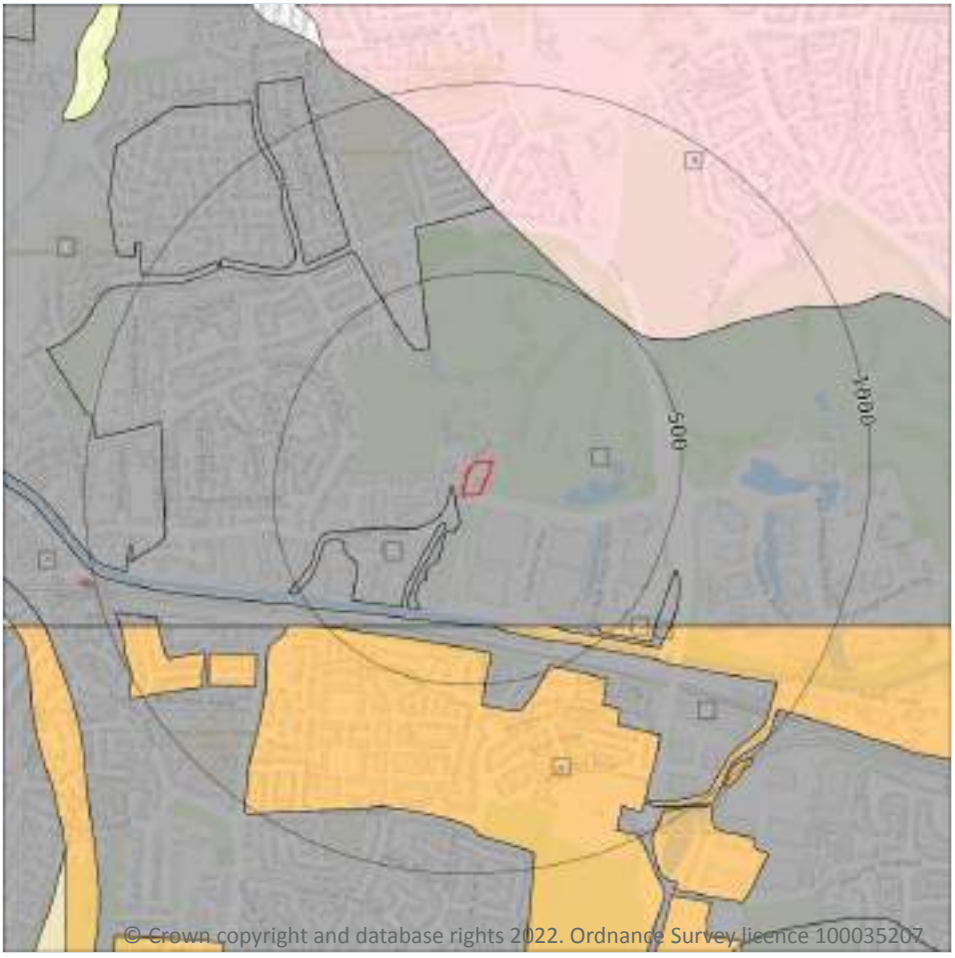
Features are displayed on the Geology 1:10,000 scale - Artificial and made ground map on **page 91**

ID	Location	LEX Code	Description	Rock description
1	**On site**	**WMGR-ARTDP**	**Infilled Ground**	**Artificial Deposit**
2	**On site**	**WGR-VOID**	**Worked Ground (Undivided)**	**Void**
3	11m S	WMGR-ARTDP	Infilled Ground	Artificial Deposit
4	87m SW	WMGR-ARTDP	Infilled Ground	Artificial Deposit

ID	Location	LEX Code	Description	Rock description
5	292m W	WGR-VOID	Worked Ground (Undivided)	Void
6	331m SW	WMGR-ARTDP	Infilled Ground	Artificial Deposit
7	350m S	WGR-UKNOWN	Worked Ground (Undivided)	Unknown/unclassified Entry
8	361m S	MGR-UKNOWN	Made Ground (Undivided)	Unknown/unclassified Entry
9	361m S	MGR-ARTDP	Made Ground (Undivided)	Artificial Deposit
10	397m S	WGR-UKNOWN	Worked Ground (Undivided)	Unknown/unclassified Entry
A	450m SE	MGR-UKNOWN	Made Ground (Undivided)	Unknown/unclassified Entry
A	466m SE	WMGR-UKNOWN	Infilled Ground	Unknown/unclassified Entry
11	481m E	WMGR-ARTDP	Infilled Ground	Artificial Deposit
B	487m S	WMGR-UKNOWN	Infilled Ground	Unknown/unclassified Entry
B	487m S	WGR-UKNOWN	Worked Ground (Undivided)	Unknown/unclassified Entry

This data is sourced from the British Geological Survey.

Geology 1:10,000 scale - Superficial



Site Outline

Search buffers in metres (m)

Landslip (10k)

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

14.3 Superficial geology (10k)

Records within 500m **9**

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 93**

ID	Location	LEX Code	Description	Rock description
1	**On site**	**LHGR-V**	**Lynch Hill Gravel Member - Gravel (unlithified Deposits Coding Scheme)**	**Gravel**
2	21m W	LASI-Z	Langley Silt Member - Silt (unlithified Deposits Coding Scheme)	Silt

ID	Location	LEX Code	Description	Rock description
3	326m N	LASI-Z	Langley Silt Member - Silt (unlithified Deposits Coding Scheme)	Silt
4	338m S	LASI-Z	Langley Silt Member - Silt (unlithified Deposits Coding Scheme)	Silt
5	346m S	LASI-Z	Langley Silt Member - Silt (unlithified Deposits Coding Scheme)	Silt
6	350m S	LHGR-XSV	Lynch Hill Gravel Member - Sand And Gravel	Sand And Gravel
7	394m SE	LASI-Z	Langley Silt Member - Silt (unlithified Deposits Coding Scheme)	Silt
8	466m SE	LHGR-XSV	Lynch Hill Gravel Member - Sand And Gravel	Sand And Gravel
9	500m NE	BHT-XSV	Boyn Hill Gravel Member - Sand And Gravel	Sand And Gravel

This data is sourced from the British Geological Survey.

14.4 Landslip (10k)

Records within 500m	**0**

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

This data is sourced from the British Geological Survey.

Geology 1:10,000 scale - Bedrock

Site Outline

Search buffers in metres (m)

Bedrock faults and other linear features (10k)

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

14.5 Bedrock geology (10k)

Records within 500m	2

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 95**

ID	Location	LEX Code	Description	Rock age
1	**On site**	**LC-CLSISA**	**London Clay Formation - Clay, Silt And Sand**	**Eocene Epoch**
2	346m S	LC-CLAY	London Clay Formation - Clay	Eocene Epoch

This data is sourced from the British Geological Survey.

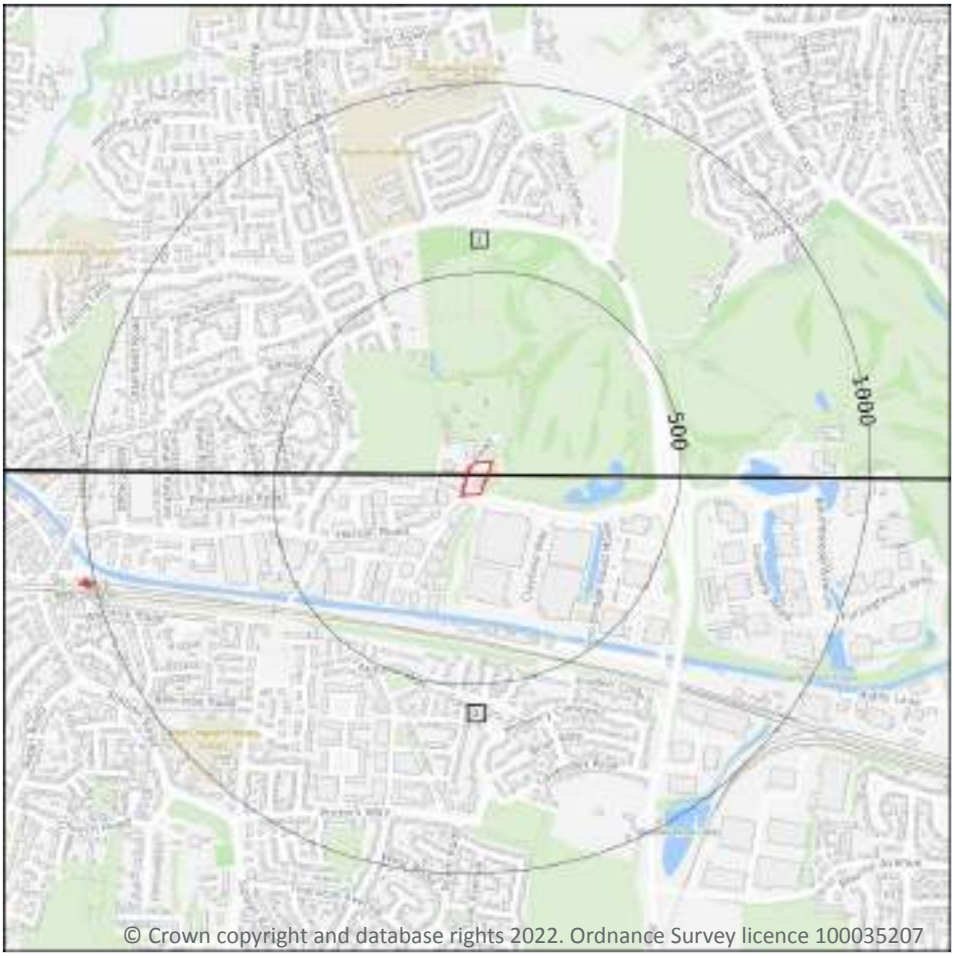
14.6 Bedrock faults and other linear features (10k)

Records within 500m	0

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

This data is sourced from the British Geological Survey.

15 Geology 1:50,000 scale - Availability



Site Outline

Search buffers in metres (m)

Geological map tile

15.1 50k Availability

Records within 500m	2

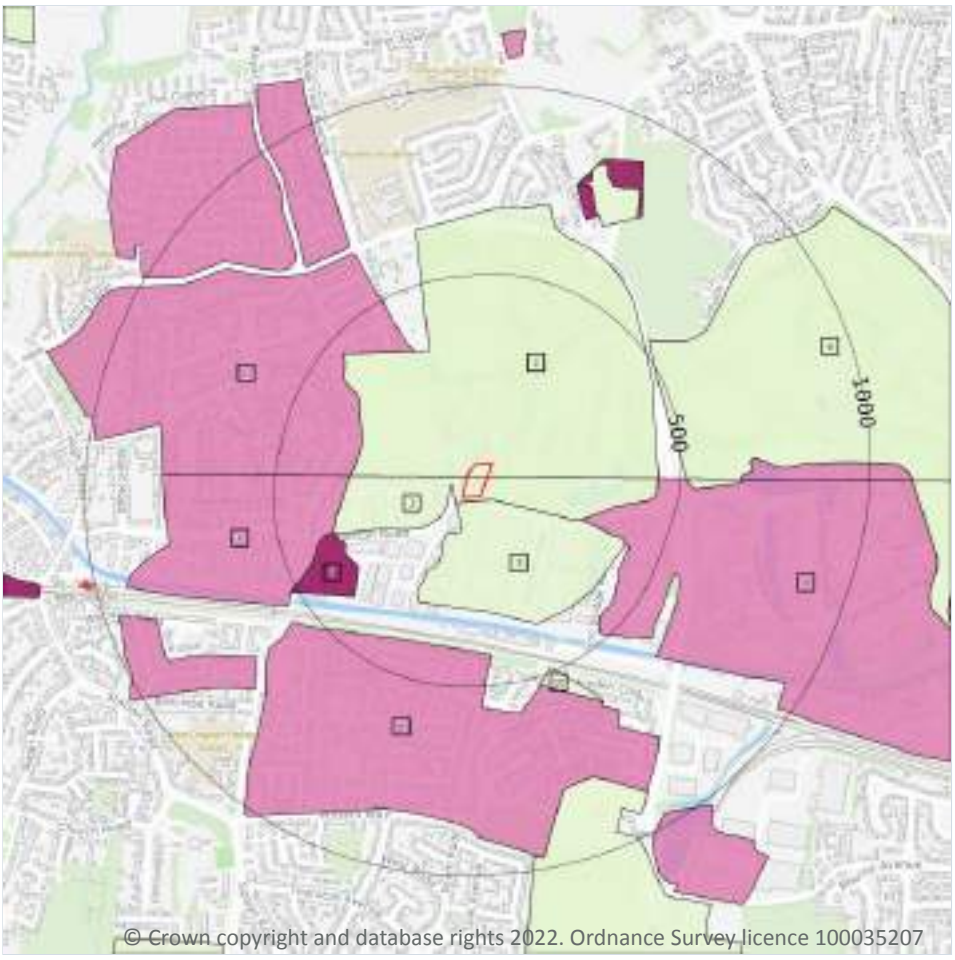
An indication on the coverage of 1:50,000 scale geology data for the site. Either 'Full' or 'No coverage' for each geological theme.

Features are displayed on the Geology 1:50,000 scale - Availability map on **page 97**

ID	Location	Artificial	Superficial	Bedrock	Mass movement	Sheet No.
1	**On site**	**Full**	**Full**	**Full**	**Full**	**EW255_beaconsfield_v4**
2	**On site**	**Full**	**Full**	**Full**	**Full**	**EW269_windsor_v4**

This data is sourced from the British Geological Survey.

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



Site Outline

Search buffers in metres (m)

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

15.2 Artificial and made ground (50k)

Records within 500m	10

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

Features are displayed on the Geology 1:50,000 scale - Artificial and made ground map on **page 98**

ID	Location	LEX Code	Description	Rock description
1	**On site**	**WMGR-ARTDP**	**INFILLED GROUND**	**ARTIFICIAL DEPOSIT**
2	**On site**	**WMGR-ARTDP**	**INFILLED GROUND**	**ARTIFICIAL DEPOSIT**
3	11m S	WMGR-ARTDP	INFILLED GROUND	ARTIFICIAL DEPOSIT
4	273m E	WGR-VOID	WORKED GROUND (UNDIVIDED)	VOID

ID	Location	LEX Code	Description	Rock description
5	292m W	WGR-VOID	WORKED GROUND (UNDIVIDED)	VOID
6	303m W	WGR-VOID	WORKED GROUND (UNDIVIDED)	VOID
7	331m SW	MGR-ARTDP	MADE GROUND (UNDIVIDED)	ARTIFICIAL DEPOSIT
8	397m S	WGR-VOID	WORKED GROUND (UNDIVIDED)	VOID
9	481m E	WMGR-ARTDP	INFILLED GROUND	ARTIFICIAL DEPOSIT
10	487m S	WMGR-ARTDP	INFILLED GROUND	ARTIFICIAL DEPOSIT

This data is sourced from the British Geological Survey.

15.3 Artificial ground permeability (50k)

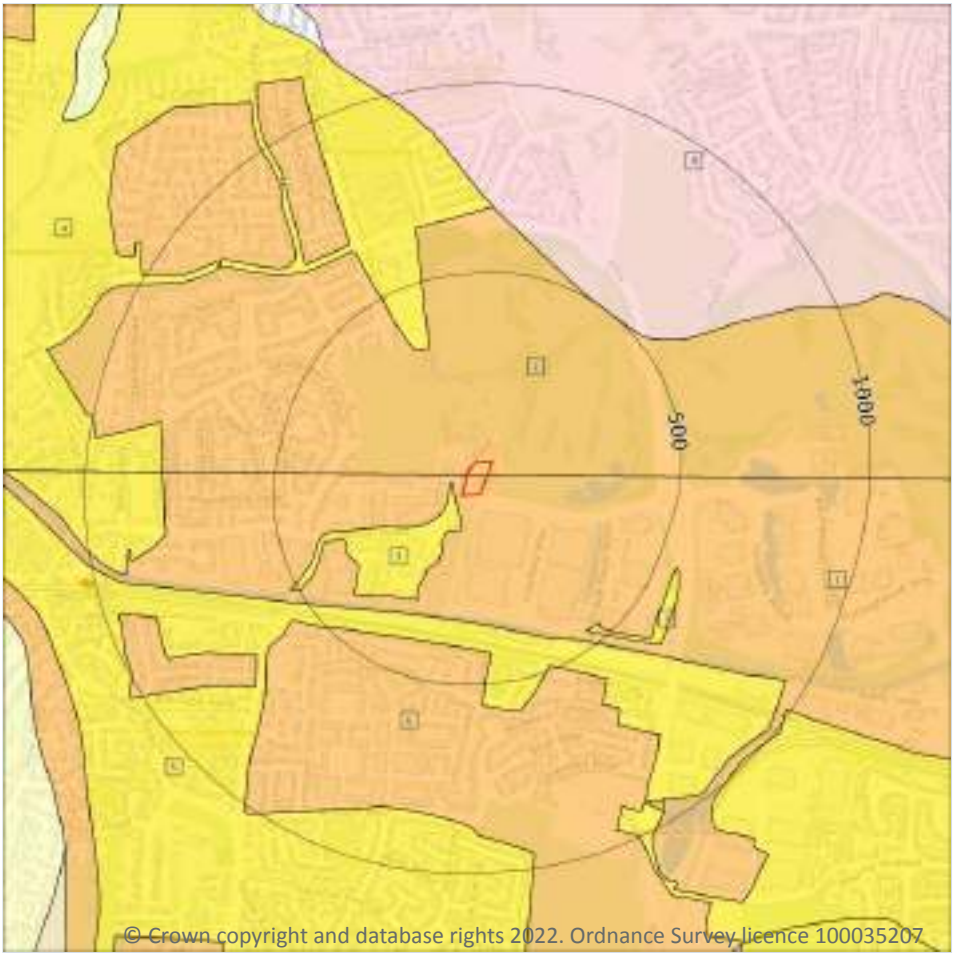
Records within 50m	**1**

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

Location	Flow type	Maximum permeability	Minimum permeability
On site	**Mixed**	**Very High**	**Low**

This data is sourced from the British Geological Survey.

Geology 1:50,000 scale - Superficial



Site Outline

Search buffers in metres (m)

Landslip (50k)

Superficial geology (50k)
Please see table for more details.

15.4 Superficial geology (50k)

Records within 500m **8**

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 100**

ID	Location	LEX Code	Description	Rock description
1	**On site**	**LHGR-XSV**	**LYNCH HILL GRAVEL MEMBER**	**SAND AND GRAVEL**
2	**On site**	**LHGR-XSV**	**LYNCH HILL GRAVEL MEMBER**	**SAND AND GRAVEL**
3	21m W	LASI-XCZ	LANGLEY SILT MEMBER	CLAY AND SILT
4	325m N	LASI-XCZ	LANGLEY SILT MEMBER	CLAY AND SILT

ID	Location	LEX Code	Description	Rock description
5	328m S	LASI-XCZ	LANGLEY SILT MEMBER	CLAY AND SILT
6	397m S	LHGR-XSV	LYNCH HILL GRAVEL MEMBER	SAND AND GRAVEL
7	456m SE	LASI-XCZ	LANGLEY SILT MEMBER	CLAY AND SILT
8	500m NE	BHT-XSV	BOYN HILL GRAVEL MEMBER	SAND AND GRAVEL

This data is sourced from the British Geological Survey.

15.5 Superficial permeability (50k)

Records within 50m **2**

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

Location	Flow type	Maximum permeability	Minimum permeability
On site	**Intergranular**	**Very High**	**High**
21m SW	Mixed	Low	Very Low

This data is sourced from the British Geological Survey.

15.6 Landslip (50k)

Records within 500m **0**

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

This data is sourced from the British Geological Survey.

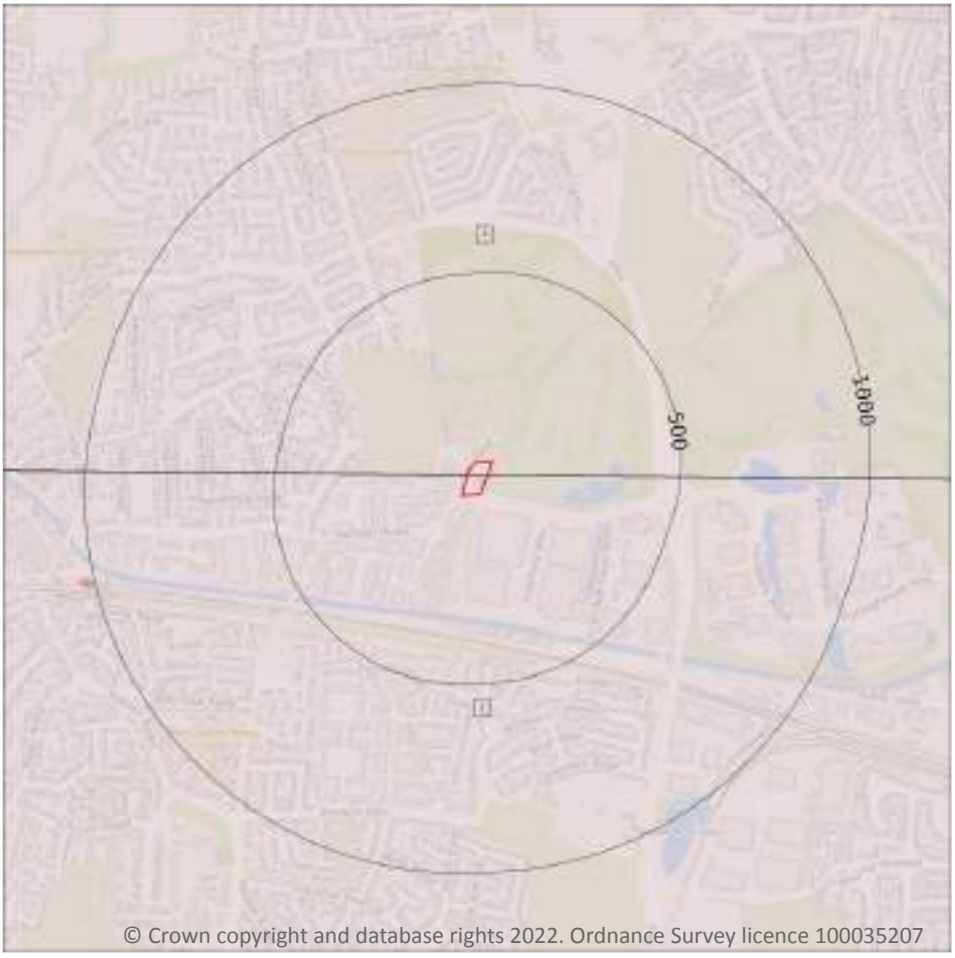
15.7 Landslip permeability (50k)

Records within 50m **0**

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

This data is sourced from the British Geological Survey.

Geology 1:50,000 scale - Bedrock



Site Outline

Search buffers in metres (m)

Bedrock faults and other linear features (50k)

Bedrock geology (50k)
Please see table for more details.

15.8 Bedrock geology (50k)

Records within 500m	2

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 102**

ID	Location	LEX Code	Description	Rock age
1	On site	LC-XCZS	LONDON CLAY FORMATION - CLAY, SILT AND SAND	YPRESIAN
2	On site	LC-XCZS	LONDON CLAY FORMATION - CLAY, SILT AND SAND	YPRESIAN

This data is sourced from the British Geological Survey.

15.9 Bedrock permeability (50k)

Records within 50m	1

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

Location	Flow type	Maximum permeability	Minimum permeability
On site	**Mixed**	**Moderate**	**Very Low**

This data is sourced from the British Geological Survey.

15.10 Bedrock faults and other linear features (50k)

Records within 500m	0

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

This data is sourced from the British Geological Survey.

16 Boreholes

Site Outline

Search buffers in metres (m)

Confidential

0 - 10m

10 - 30m

30m+

Unknown

16.1 BGS Boreholes

Records within 250m	31

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.

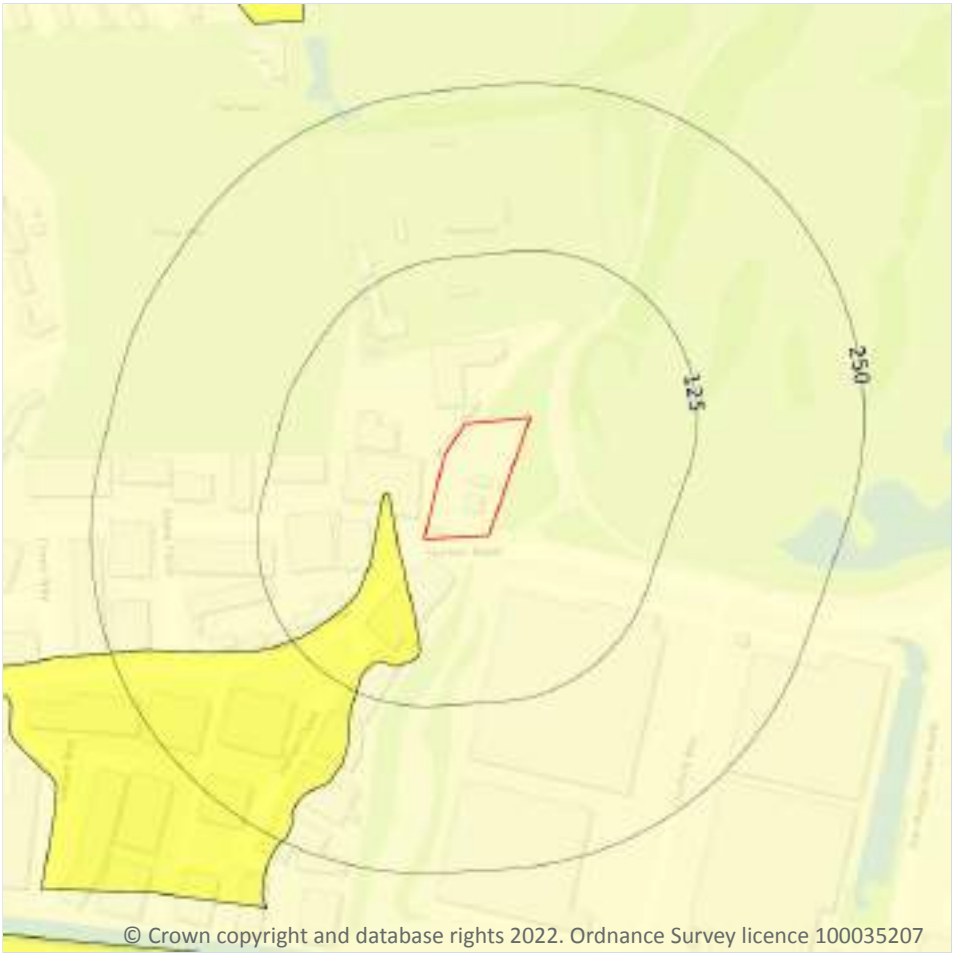
Features are displayed on the Boreholes map on **page 104**

ID	Location	Grid reference	Name	Length	Confidential	Web link
1	31m SE	507173 180332	STOCKLEY PARK PHASE 3 TP53	-	Y	N/A
A	47m SE	507166 180306	STOCKLEY PARK PHASE 3 TP1	-	Y	N/A
A	71m SE	507184 180289	STOCKLEY PARK PHASE 3 TP2	-	Y	N/A

ID	Location	Grid reference	Name	Length	Confidential	Web link
B	73m S	507148 180276	STOCKLEY PARK PHASE 3 TP5	-	Y	N/A
B	75m S	507155 180274	STOCKLEY PARK PHASE 3 TP5A	-	Y	N/A
C	92m SE	507224 180299	STOCKLEY PARK PHASE 3 100	-	Y	N/A
B	99m S	507149 180250	STOCKLEY PARK PHASE 3 TP6	-	Y	N/A
2	100m SE	507188 180258	STOCKLEY PARK PHASE 3 113	-	Y	N/A
C	102m SE	507222 180280	STOCKLEY PARK PHASE 3 TP3	-	Y	N/A
3	104m E	507245 180316	STOCKLEY PARK PHASE 3 TP51	-	Y	N/A
4	130m E	507271 180311	STOCKLEY PARK PHASE 3 TP50	-	Y	N/A
5	133m S	507167 180217	STOCKLEY PARK PHASE 3 TP7	-	Y	N/A
D	153m SE	507210 180210	STOCKLEY PARK PHASE 3 TP8	-	Y	N/A
E	158m SE	507279 180263	STOCKLEY PARK PHASE 3 TP4	-	Y	N/A
D	158m SE	507214 180206	STOCKLEY PARK PHASE 3 103	-	Y	N/A
6	159m S	507128 180188	STOCKLEY PARK PHASE 3 TP10	-	Y	N/A
E	162m SE	507285 180264	STOCKLEY PARK PHASE 3 101	-	Y	N/A
F	177m S	507163 180173	STOCKLEY PARK PHASE 3 TP24	-	Y	N/A
F	181m S	507164 180169	STOCKLEY PARK PHASE 3 104	-	Y	N/A
7	187m SE	507315 180268	STOCKLEY PARK PHASE 3 102	-	Y	N/A
8	187m SE	507244 180189	STOCKLEY PARK PHASE 3 TP9	-	Y	N/A
9	199m S	507119 180148	STOCKLEY PARK PHASE 3 TP11	-	Y	N/A
10	213m SE	507339 180257	STOCKLEY PARK PHASE 3 TP26	-	Y	N/A
11	225m SE	507250 180149	STOCKLEY PARK PHASE 3 TP25	-	Y	N/A
12	229m SE	507300 180179	STOCKLEY PARK PHASE 3 106	-	Y	N/A
G	230m S	507156 180119	STOCKLEY PARK PHASE 3 105	-	Y	N/A
H	233m S	507200 180122	STOCKLEY PARK PHASE 3 108	-	Y	N/A
H	234m S	507188 180118	STOCKLEY PARK PHASE 3 TP13	-	Y	N/A
G	235m S	507138 180113	STOCKLEY PARK PHASE 3 TP12	-	Y	N/A
13	236m SE	507325 180194	STOCKLEY PARK PHASE 3 TP27	-	Y	N/A
14	250m S	507106 180096	STOCKLEY PARK PHASE 3 TP14	-	Y	N/A

This data is sourced from the British Geological Survey.

17 Natural ground subsidence - Shrink swell clays



Site Outline

Search buffers in metres (m)

- No data
- Negligible
- Very low
- Low
- Moderate
- High

17.1 Shrink swell clays

Records within 50m	2

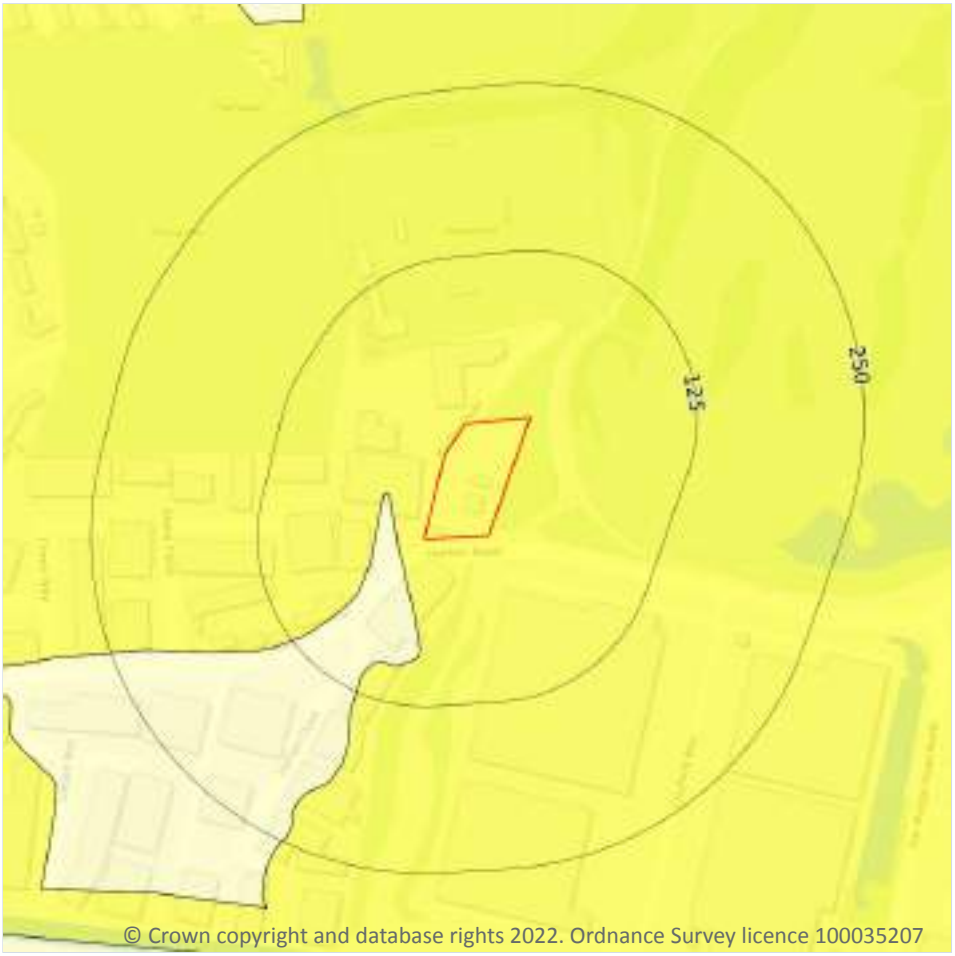
The potential hazard presented by soils that absorb water when wet (making them swell), and lose water as they dry (making them shrink). This shrink-swell behaviour is controlled by the type and amount of clay in the soil, and by seasonal changes in the soil moisture content (related to rainfall and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

Features are displayed on the Natural ground subsidence - Shrink swell clays map on **page 106**

Location	Hazard rating	Details
On site	**Negligible**	**Ground conditions predominantly non-plastic.**
21m W	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	2

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

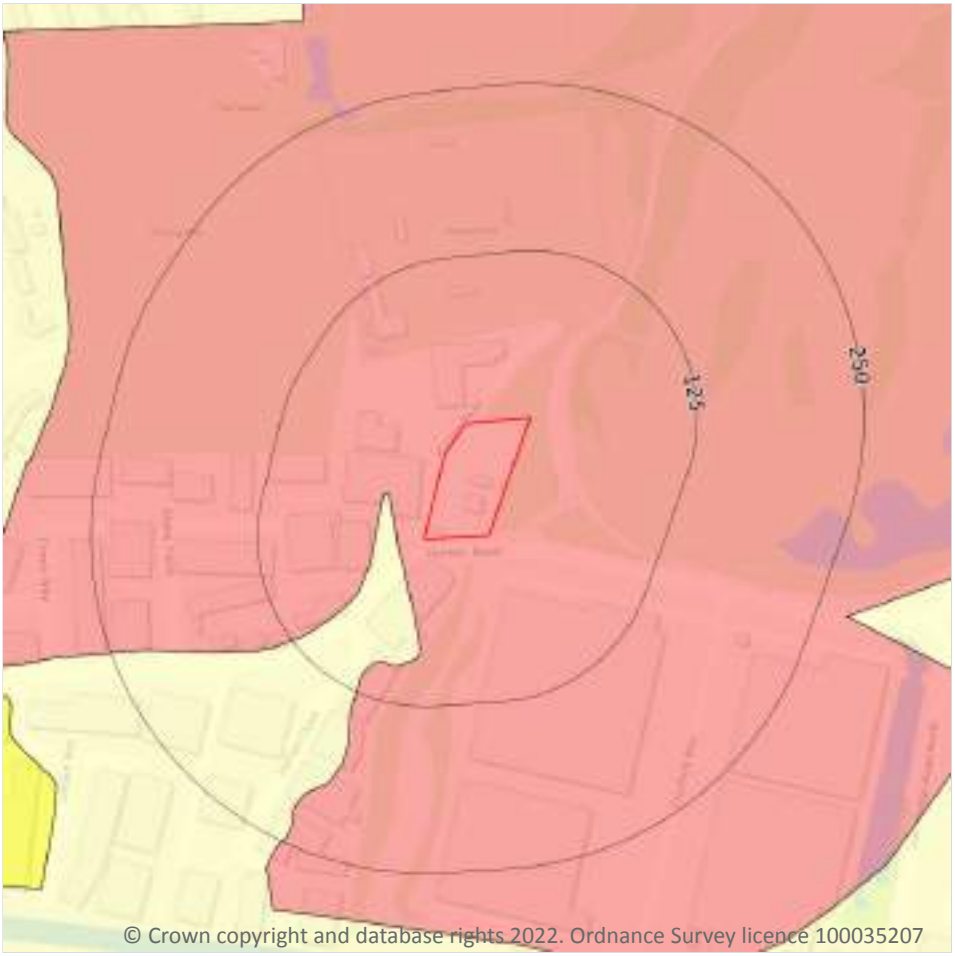
Features are displayed on the Natural ground subsidence - Running sands map on **page 107**

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.**

Location	Hazard rating	Details
21m W	Negligible	Running sand conditions are not thought to occur whatever the position of the water table. No identified constraints on lands use due to running conditions.

This data is sourced from the British Geological Survey.

Natural ground subsidence - Compressible deposits



Site Outline

Search buffers in metres (m)

- No data
- Negligible
- Very low
- Low
- Moderate
- High

17.3 Compressible deposits

Records within 50m	2

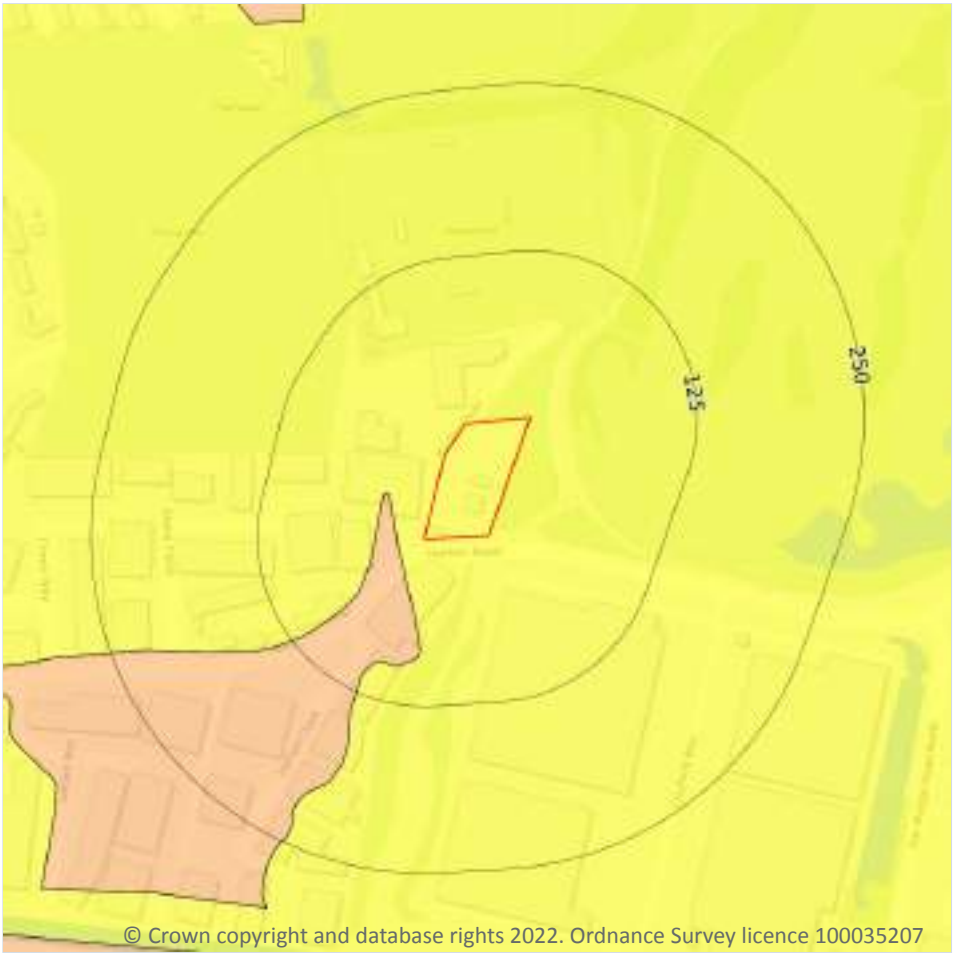
The potential hazard presented by types of ground that may contain layers of very soft materials like clay or peat and may compress if loaded by overlying structures, or if the groundwater level changes, potentially resulting in depression of the ground and disturbance of foundations.

Features are displayed on the Natural ground subsidence - Compressible deposits map on **page 109**

Location	Hazard rating	Details
On site	**Moderate**	**Compressibility and uneven settlement hazards are probably present. Land use should consider specifically the compressibility and variability of the site.**
21m W	Negligible	Compressible strata are not thought to occur.

This data is sourced from the British Geological Survey.

Natural ground subsidence - Collapsible deposits



Site Outline

Search buffers in metres (m)

- No data
- Negligible
- Very low
- Low
- Moderate
- High

17.4 Collapsible deposits

Records within 50m	2

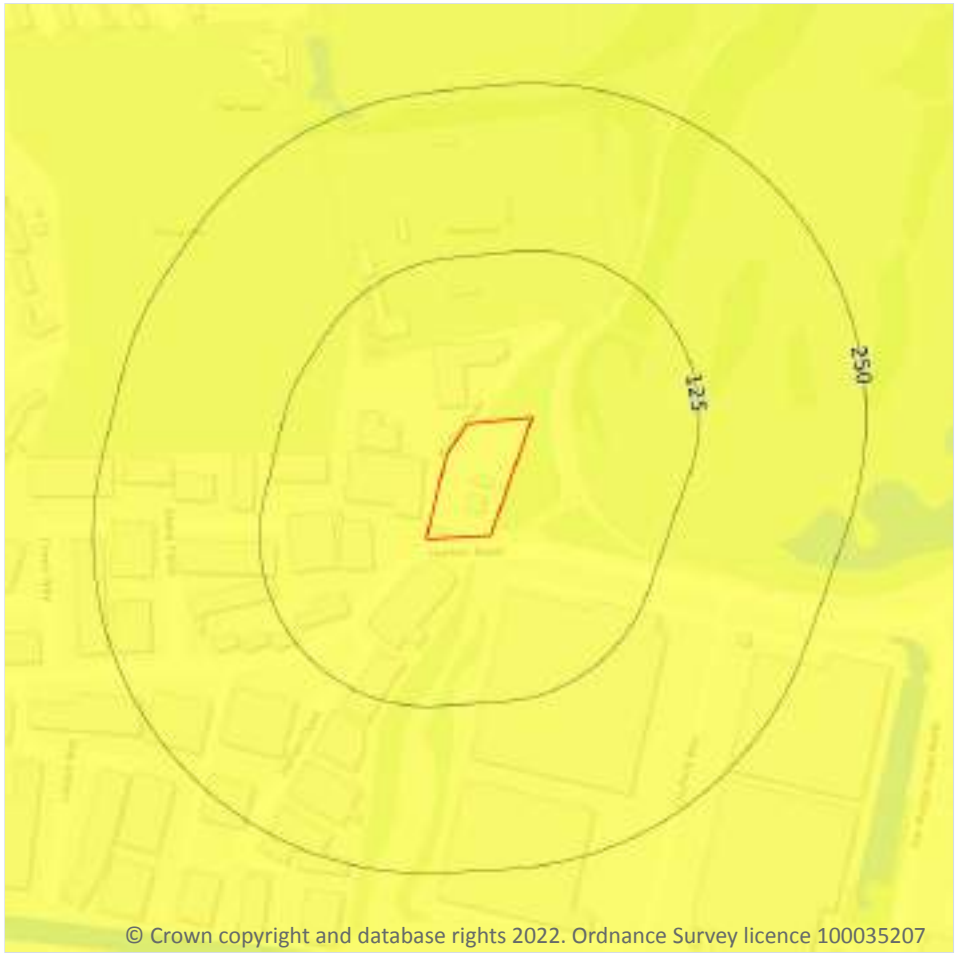
The potential hazard presented by natural deposits that could collapse when a load (such as a building) is placed on them or they become saturated with water.

Features are displayed on the Natural ground subsidence - Collapsible deposits map on **page 111**

Location	Hazard rating	Details
On site	**Very low**	**Deposits with potential to collapse when loaded and saturated are unlikely to be present.**
21m W	Low	Deposits with potential to collapse when loaded and saturated are possibly present in places.

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	1

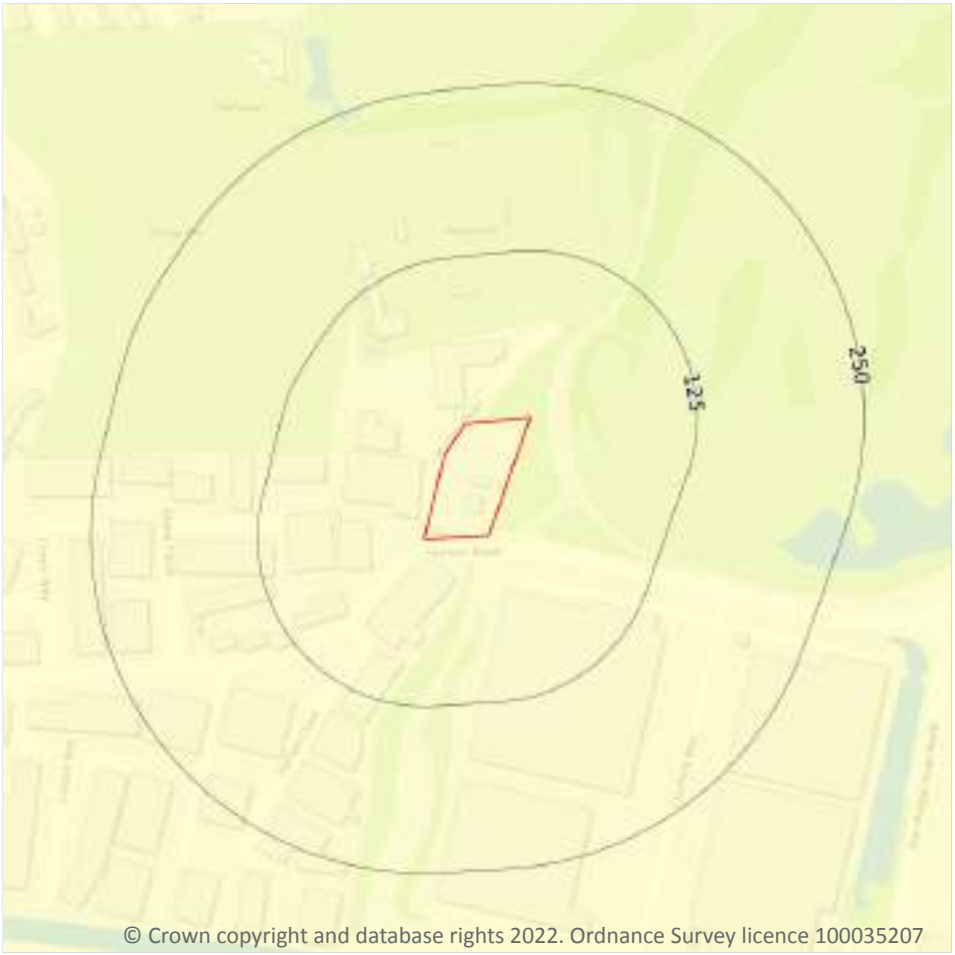
The potential for landsliding (slope instability) to be a hazard assessed using 1:50,000 scale digital maps of superficial and bedrock deposits, combined with information from the BGS National Landslide Database and scientific and engineering reports.

Features are displayed on the Natural ground subsidence - Landslides map on **page 112**

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.**

This data is sourced from the British Geological Survey.

Natural ground subsidence - Ground dissolution of soluble rocks



Site Outline

Search buffers in metres (m)

- No data
- Negligible
- Very low
- Low
- Moderate
- High

17.6 Ground dissolution of soluble rocks

Records within 50m	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 113**

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, ground workings and natural cavities

Site Outline

Search buffers in metres (m)

Natural cavities (Area)

Natural cavities (Point)

BritPits

Surface ground workings

Underground workings

Historical Mineral Planning Areas

Mining Cavities

Non Coal Mining

Sporadic underground mining of restricted extent possible

Localised small scale underground mining possible

Small scale mining possible

Underground mining known or likely within or in close proximity

Underground mining known within or in very close proximity

18.1 Natural cavities

Records within 500m	0

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

This data is sourced from Stantec UK Ltd.

18.2 BritPits

Records within 500m	**8**

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

Features are displayed on the Mining, ground workings and natural cavities map on **page 115**

ID	Location	Details	Description
A	28m N	Name: Yiewsley Gravel Pit Address: YIEWSLEY, Middlesex 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
E	181m SE	Name: Iron Bridge Road Gravel Pit Address: YIEWSLEY, Middlesex 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
F	207m SW	Name: Yiewsley Brickfields Address: YIEWSLEY, Middlesex Commodity: Clay & Shale 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
M	230m E	Name: Yiewsley Brick Field Address: YIEWSLEY, Middlesex Commodity: Clay & Shale 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
G	236m NW	Name: Yiewsley Brickfields Address: YIEWSLEY, Middlesex Commodity: Clay & Shale 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

ID	Location	Details	Description
B	267m E	Name: Yiewsley Gravel & Ballast Pits Address: YIEWSLEY, Middlesex 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
V	426m NE	Name: Yiewsley Gravel & Ballast Pits Address: YIEWSLEY, Middlesex 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
Z	448m SE	Name: Iron Bridge Road Gravel Pit Address: YIEWSLEY, Middlesex 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

This data is sourced from the British Geological Survey.

18.3 Surface ground workings

Records within 250m	**78**

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

Features are displayed on the Mining, ground workings and natural cavities map on **page 115**

ID	Location	Land Use	Year of mapping	Mapping scale
1	**On site**	**Brick Field**	**1897**	**1:10560**
A	**On site**	**Unspecified Pit**	**1898**	**1:10560**
A	**On site**	**Unspecified Pit**	**1894**	**1:10560**
A	**On site**	**Gravel Pit**	**1932**	**1:10560**
A	**On site**	**Water Body**	**1932**	**1:10560**
A	**On site**	**Pond**	**1938**	**1:10560**
A	**On site**	**Gravel Pit**	**1913**	**1:10560**

ID	Location	Land Use	Year of mapping	Mapping scale
A	**On site**	**Pond**	**1913**	**1:10560**
A	**On site**	**Unspecified Ground Workings**	**1970**	**1:10560**
A	**On site**	**Pond**	**1882**	**1:10560**
A	**On site**	**Water Body**	**1913**	**1:10560**
B	**On site**	**Ballast Pit**	**1938**	**1:10560**
B	**On site**	**Ballast Pit**	**1938**	**1:10560**
C	**On site**	**Unspecified Ground Workings**	**1938**	**1:10560**
C	**On site**	**Unspecified Heap**	**1938**	**1:10560**
C	**On site**	**Unspecified Heap**	**1938**	**1:10560**
D	**On site**	**Unspecified Ground Workings**	**1959**	**1:10560**
E	5m S	Gravel Pit	1913	1:10560
E	6m S	Gravel Pit	1913	1:10560
F	6m S	Unspecified Dock	1897	1:10560
D	11m S	Unspecified Heaps	1938	1:10560
D	11m S	Unspecified Heaps	1938	1:10560
E	11m S	Gravel Pit	1932	1:10560
2	20m S	Pond	1868	1:10560
C	22m N	Gravel Pit	1913	1:10560
E	40m SE	Water Body	1938	1:10560
G	41m W	Brick Field	1898	1:10560
E	42m SE	Water Body	1938	1:10560
B	47m E	Ballast Pit	1935	1:10560
C	49m N	Unspecified Ground Workings	1935	1:10560
H	57m S	Unspecified Ground Workings	1970	1:10560
F	59m S	Brick Field	1868	1:10560
B	63m E	Brick Field	1894	1:10560
I	63m W	Brick Field	1897	1:10560
I	65m W	Brick Field	1894	1:10560

ID	Location	Land Use	Year of mapping	Mapping scale
B	65m E	Brick Field	1898	1:10560
F	71m S	Brick Field	1882	1:10560
J	80m E	Unspecified Ground Workings	1938	1:10560
J	80m E	Unspecified Ground Workings	1938	1:10560
F	81m SW	Dock	1913	1:10560
F	85m SW	Dock	1932	1:10560
F	85m SW	Dock	1898	1:10560
F	98m S	Pond	1938	1:10560
F	98m S	Pond	1913	1:10560
F	100m S	Pond	1913	1:10560
F	101m S	Pond	1932	1:10560
F	105m S	Pond	1935	1:10560
F	105m S	Pond	1938	1:10560
D	108m SE	Unspecified Heap	1938	1:10560
D	110m SE	Unspecified Heaps	1938	1:10560
D	110m SE	Unspecified Heaps	1938	1:10560
F	111m SW	Pond	1882	1:10560
F	111m SW	Dock	1894	1:10560
D	118m E	Cuttings	1970	1:10560
F	118m S	Unspecified Pit	1938	1:10560
K	126m NW	Unspecified Ground Workings	1989	1:10000
K	126m NW	Unspecified Ground Workings	1975	1:10000
K	126m NW	Unspecified Ground Workings	1970	1:10560
D	128m SE	Unspecified Heap	1938	1:10560
B	130m E	Pond	1975	1:10000
B	134m E	Pond	1970	1:10560
L	150m SE	Ponds	1938	1:10560
L	155m SE	Ponds	1938	1:10560

ID	Location	Land Use	Year of mapping	Mapping scale
F	166m SW	Pond	1868	1:10560
D	173m E	Unspecified Ground Workings	1938	1:10560
3	184m SW	Refuse Heap	1935	1:10560
M	210m E	Unspecified Pit	1938	1:10560
M	210m E	Unspecified Pit	1938	1:10560
F	213m SW	Unspecified Dock	1913	1:10560
N	225m N	Unspecified Pit	1959	1:10560
H	226m S	Dock	1938	1:10560
H	226m S	Dock	1938	1:10560
4	233m N	Pond	1970	1:10560
O	242m E	Gravel Pit	1935	1:10560
P	247m SE	Unspecified Pit	1938	1:10560
P	247m SE	Unspecified Pit	1938	1:10560
O	247m E	Gravel Pit	1938	1:10560
O	250m E	Gravel Pit	1938	1:10560

This is data is sourced from Ordnance Survey/Groundsure.

18.4 Underground workings

Records within 1000m	**0**

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

This is data is sourced from Ordnance Survey/Groundsure.

18.5 Historical Mineral Planning Areas

Records within 500m	**2**

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

Features are displayed on the Mining, ground workings and natural cavities map on **page 115**

ID	Location	Site Name	Mineral	Type	Planning Status	Planning Status Date
B	**On site**	**Iron Bridge Road Gravel Pit**	**Sand and gravel**	**Surface mineral working**	**Valid**	**1957, 1956**
5	306m N	Yiewsley Brickfields	Sand and gravel	Surface mineral working	Application	Not available

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 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.

18.8 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.

18.9 Coal mining

Records on site	0

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

This data is sourced from the Coal Authority.

18.10 Brine areas

Records on site	0

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

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

18.11 Gypsum areas

Records on site	0

Generalised areas that may be affected by gypsum extraction.

This data is sourced from British Gypsum.

18.12 Tin mining

Records on site	0

Generalised areas that may be affected by historical tin mining.

This data is sourced from Groundsure.

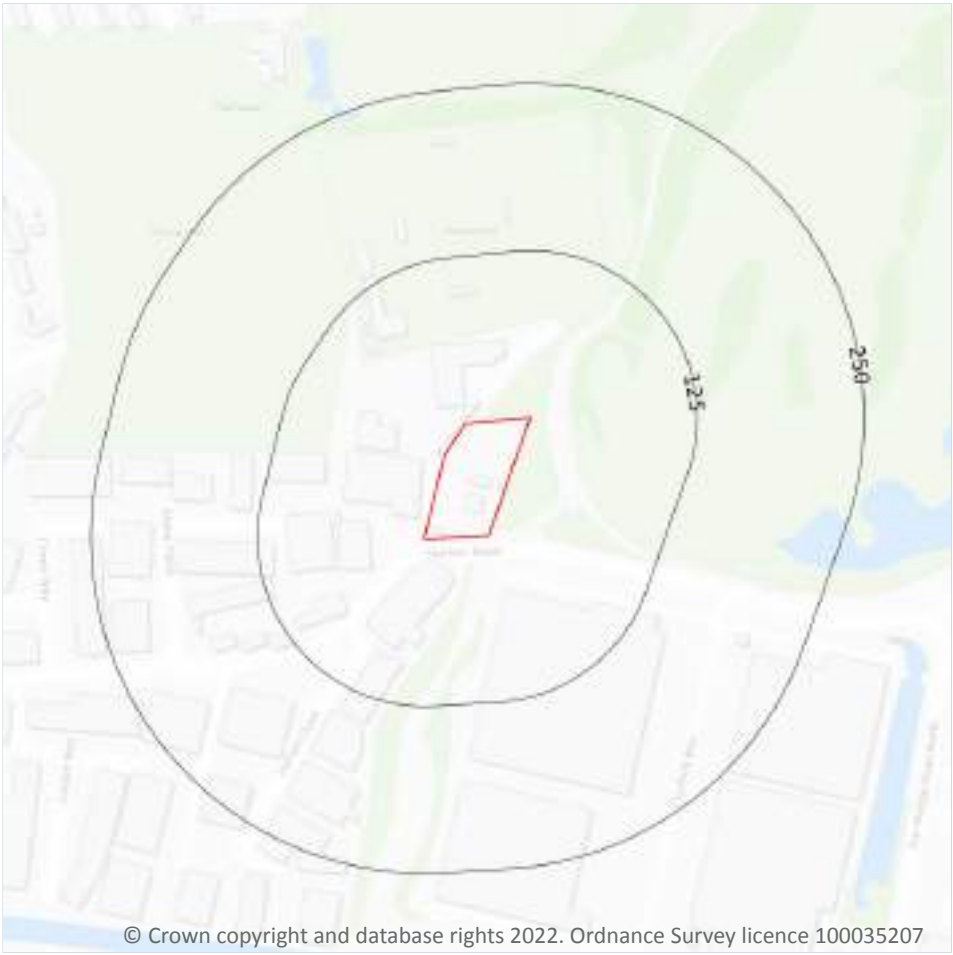
18.13 Clay mining

Records on site	0

Generalised areas that may be affected by kaolin and ball clay extraction.

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

19 Radon



Site Outline

Search buffers in metres (m)

Greater than 30%

Between 10% and 30%

Between 5% and 10%

Between 3% and 5%

Between 1% and 3%

Less than 1%

19.1 Radon

Records on site	1

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

Features are displayed on the Radon map on **page 123**

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

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

20 Soil chemistry

20.1 BGS Estimated Background Soil Chemistry

Records within 50m **3**

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 km^2. 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 km^2; 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	**No data**	**No data**	**No data**	**No data**	**No data**	**No data**	**No data**
On site	**No data**	**No data**	**No data**	**No data**	**No data**	**No data**	**No data**
21m SW	No data	No data	No data	No data	No data	No data	No data

This data is sourced from the British Geological Survey.

20.2 BGS Estimated Urban Soil Chemistry

Records within 50m **8**

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 km^2).

Location	Arsenic (mg/kg)	Bioaccessible Arsenic (mg/kg)	Lead (mg/kg)	Bioaccessible Lead (mg/kg)	Cadmium (mg/kg)	Chromium (mg/kg)	Copper (mg/kg)	Nickel (mg/kg)	Tin (mg/kg)
On site	**15**	**2.6**	**200**	**137**	**0.8**	**68**	**44**	**25**	**12**
On site	**15**	**2.6**	**201**	**138**	**0.9**	**69**	**47**	**26**	**14**
On site	**16**	**2.8**	**266**	**183**	**1.4**	**81**	**70**	**31**	**35**
11m NW	16	2.8	240	165	1.2	78	63	30	27
22m NE	17	3	344	236	2.3	98	100	37	65
33m E	15	2.6	231	159	1.1	76	54	27	18

Location	Arsenic (mg/kg)	Bioaccessible Arsenic (mg/kg)	Lead (mg/kg)	Bioaccessible Lead (mg/kg)	Cadmium (mg/kg)	Chromium (mg/kg)	Copper (mg/kg)	Nickel (mg/kg)	Tin (mg/kg)
46m S	14	2.5	180	124	0.6	63	37	23	9
46m SW	15	2.6	190	131	0.8	66	42	24	11

This data is sourced from the British Geological Survey.

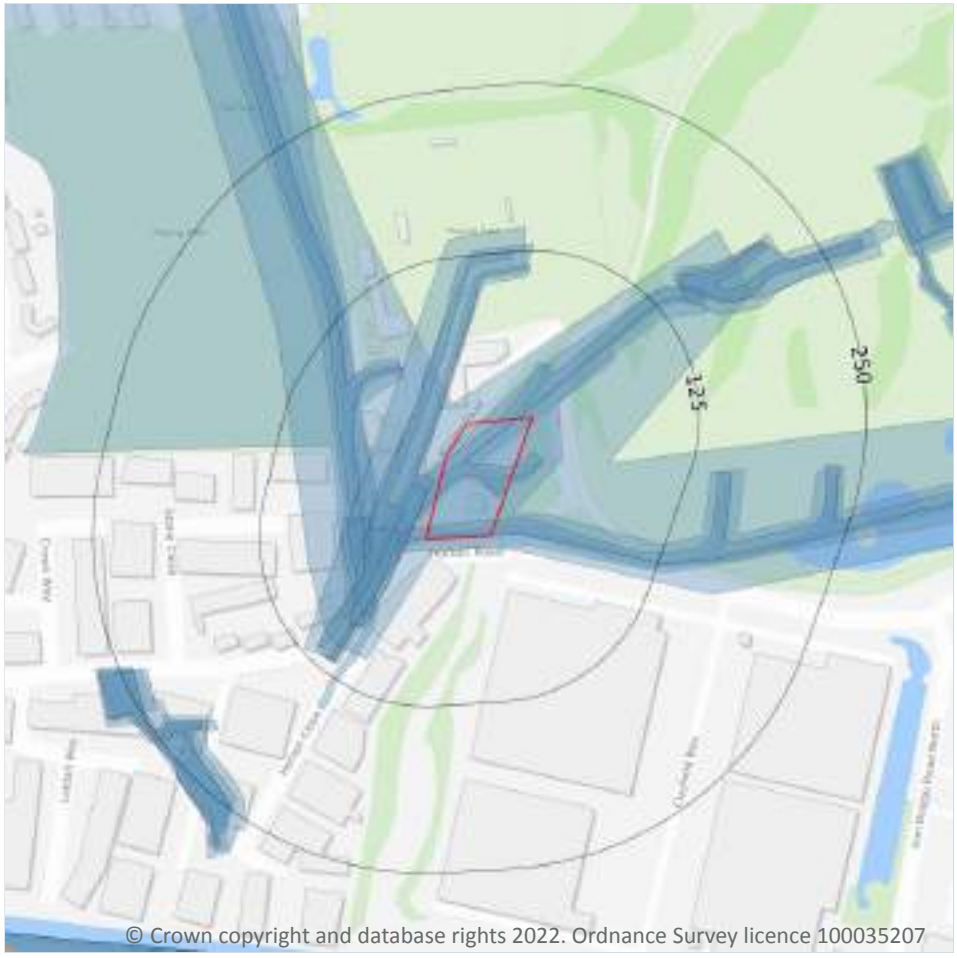
20.3 BGS Measured Urban Soil Chemistry

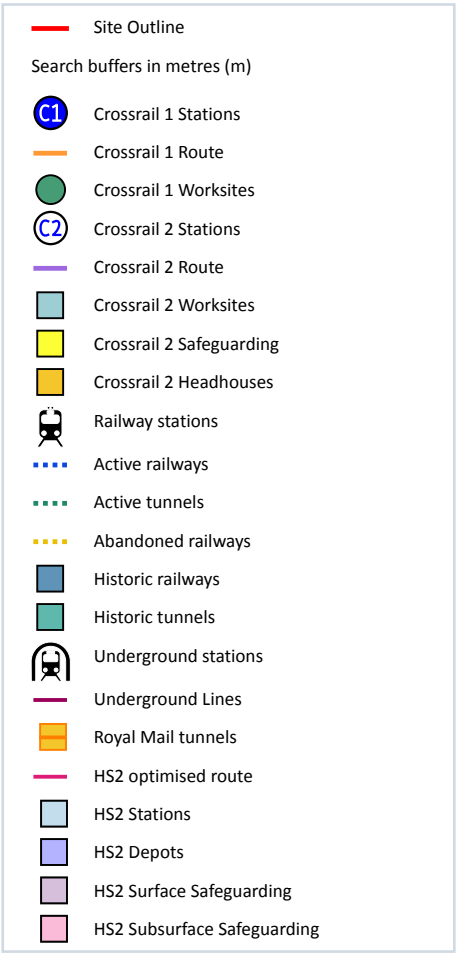
Records within 50m	0

The locations and measured total concentrations (mg/kg) of Arsenic, Cadmium, Chromium, Copper, Nickel, Lead, Tin and Zinc in urban topsoil samples from 23 urban centres across Great Britain. These are collected at a sample density of 4 per km^2.

This data is sourced from the British Geological Survey.

21 Railway infrastructure and projects





21.1 Underground railways (London)

Records within 250m	0

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

This data is sourced from publicly available information by Groundsure.

21.2 Underground railways (Non-London)

Records within 250m	0

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

This data is sourced from publicly available information by Groundsure.

21.3 Railway tunnels

Records within 250m	0

Railway tunnels taken from contemporary Ordnance Survey mapping.

This data is sourced from the Ordnance Survey.

21.4 Historical railway and tunnel features

Records within 250m	20

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 126**

Location	Land Use	Year of mapping	Mapping scale
On site	**Railway Sidings**	**1895**	**2500**
On site	**Railway Sidings**	**1898**	**10560**
On site	**Railway Sidings**	**1894**	**10560**
On site	**Railway Sidings**	**1897**	**10560**
5m W	Railway Sidings	1913	10560
7m W	Railway Sidings	1932	10560
10m W	Railway Sidings	1914	2500
13m W	Railway Sidings	1938	10560
20m W	Railway Sidings	1935	10560
21m W	Tramway Sidings	1935	2500
21m W	Railway Sidings	1913	10560
40m W	Railway Sidings	1895	2500
145m NE	Railway Sidings	1938	10560
147m NE	Railway Sidings	1938	10560
148m NE	Tramway Sidings	1935	2500
149m NE	Railway Sidings	1935	10560
208m SW	Railway Sidings	1938	10560

Location	Land Use	Year of mapping	Mapping scale
211m SW	Railway Sidings	1938	10560
216m SW	Railway Sidings	1935	10560
217m SW	Tramway Sidings	1935	2500

This data is sourced from Ordnance Survey/Groundsure.

21.5 Royal Mail tunnels

Records within 250m	0

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

This data is sourced from Groundsure/the Postal Museum.

21.6 Historical railways

Records within 250m	0

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

This data is sourced from OpenStreetMap.

21.7 Railways

Records within 250m	0

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

This data is sourced from Ordnance Survey and OpenStreetMap.

21.8 Crossrail 1

Records within 500m	1

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.

Features are displayed on the Railway infrastructure and projects map on **page 126**

Location	Route Type
351m S	Surface Alignment

This data is sourced from publicly available information by Groundsure.

21.9 Crossrail 2

Records within 500m	**0**

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

This data is sourced from publicly available information by Groundsure.

21.10 HS2

Records within 500m	**0**

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

This data is sourced from HS2 ltd.

Data providers

Groundsure works with respected data providers to bring you the most relevant and accurate information. To find out who they are and their areas of expertise see https://www.groundsure.com/sources-reference.

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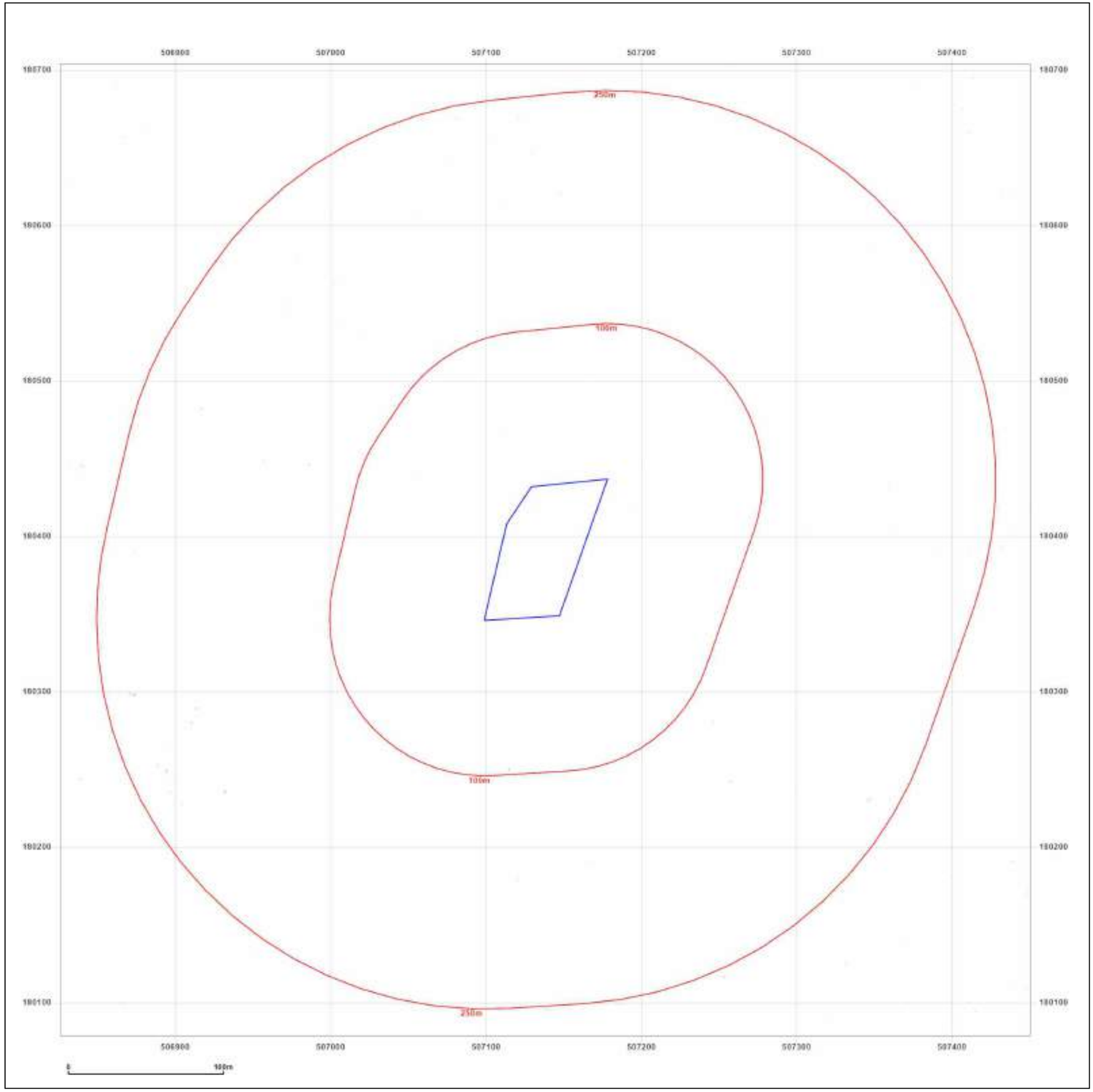
APPENDIX 3 – OS HISTORICAL MAPS



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Client Ref: P4398JJ2568-1
Report Ref: JOMAS-8765693
Grid Ref: 507138, 180391

Map Name: County Series

Map date: **1866**

Scale: 1:2,500

Printed at: 1:2,500

N
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Surveyed 1866
Revised 1866
Edition N/A
Copyright N/A
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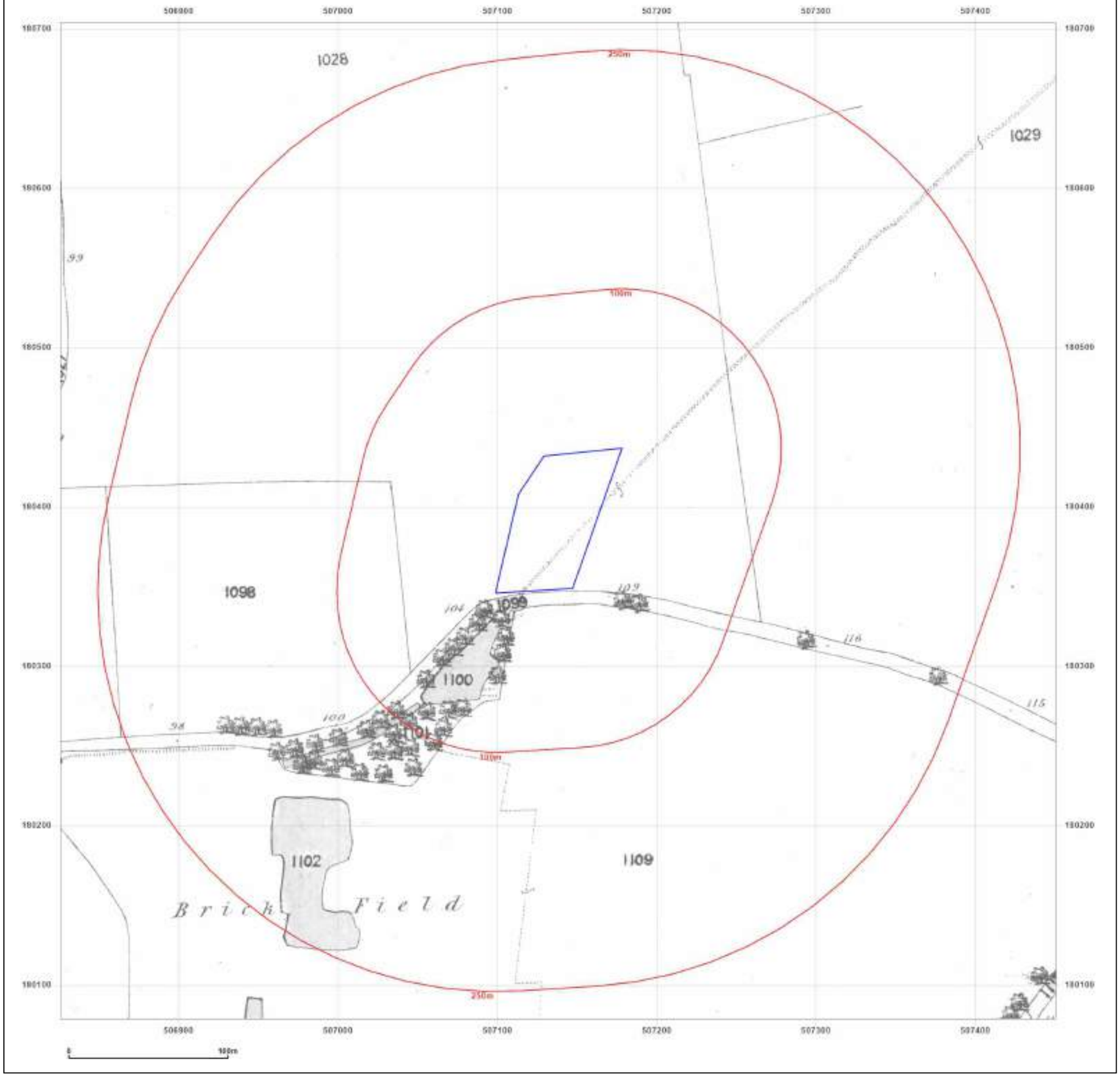

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Client Ref: P4398JJ2568-1
Report Ref: JOMAS-8765693
Grid Ref: 507138, 180391

Map Name: County Series

Map date: **1866**

Scale: 1:2,500

Printed at: 1:2,500

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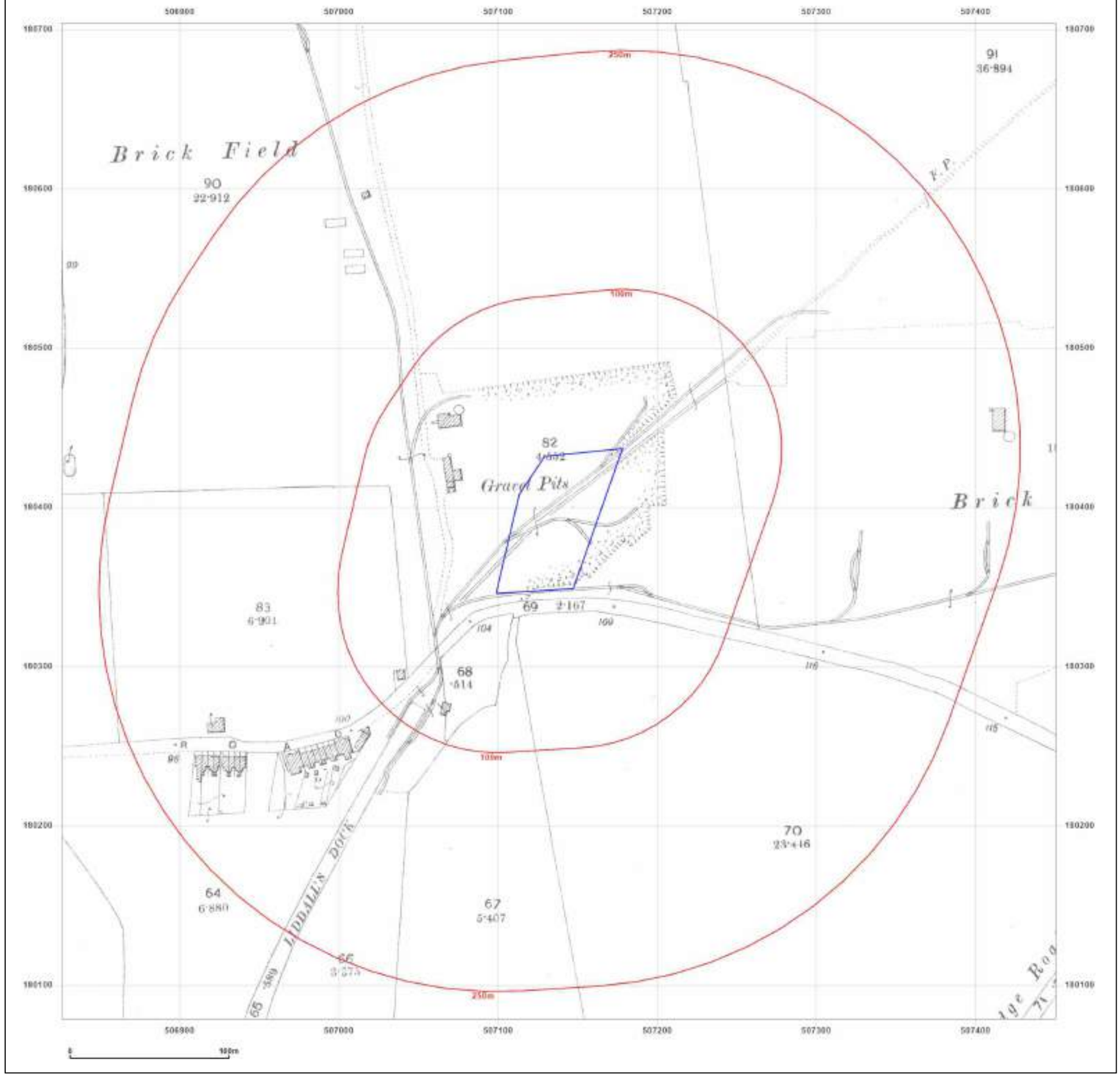

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Client Ref: P4398JJ2568-1
Report Ref: JOMAS-8765693
Grid Ref: 507138, 180391

Map Name: County Series

Map date: **1895**

Scale: 1:2,500

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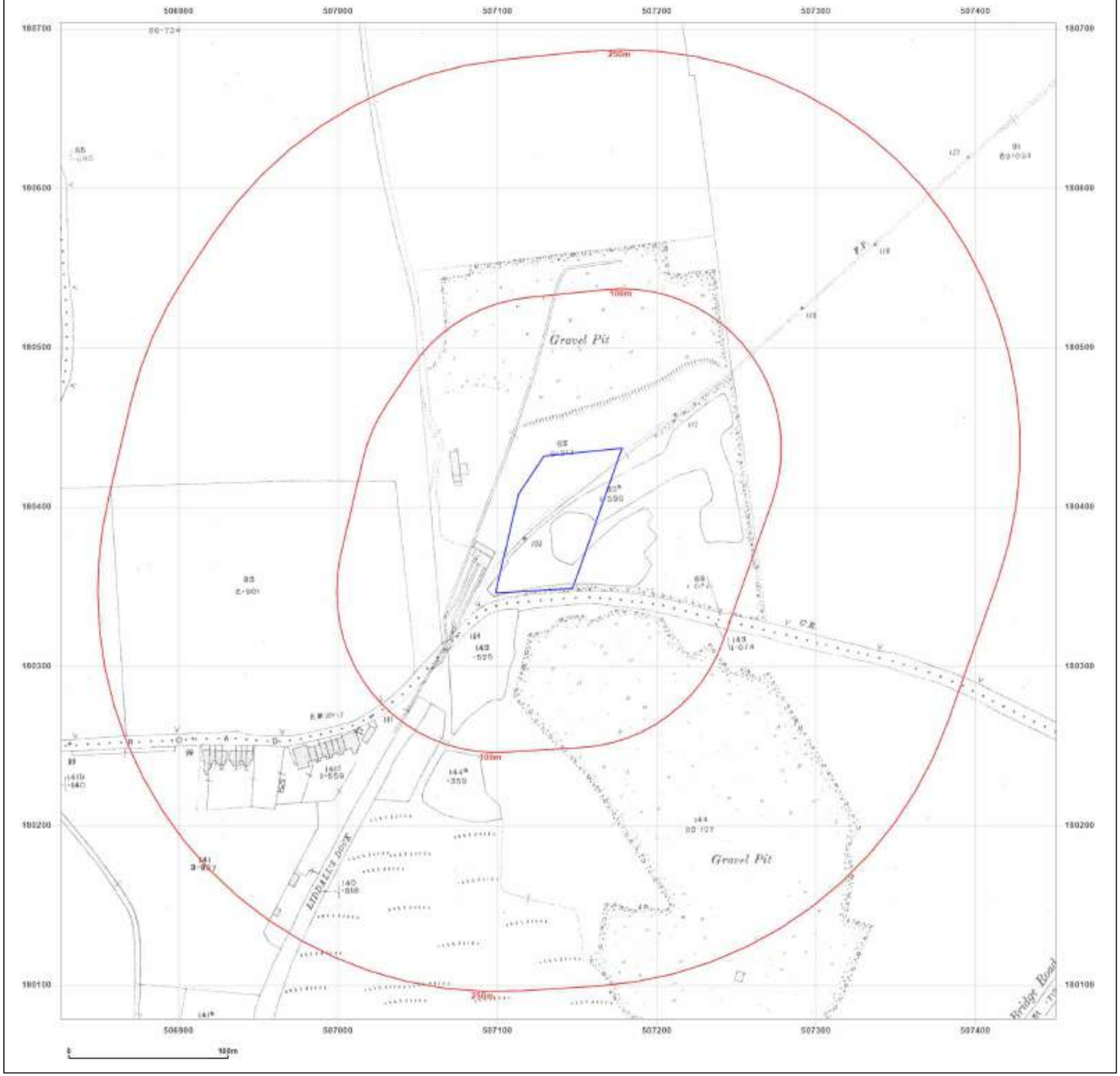

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Report Ref: JOMAS-8765693
Grid Ref: 507138, 180391

Map Name: County Series

Map date: **1914**

Scale: 1:2,500

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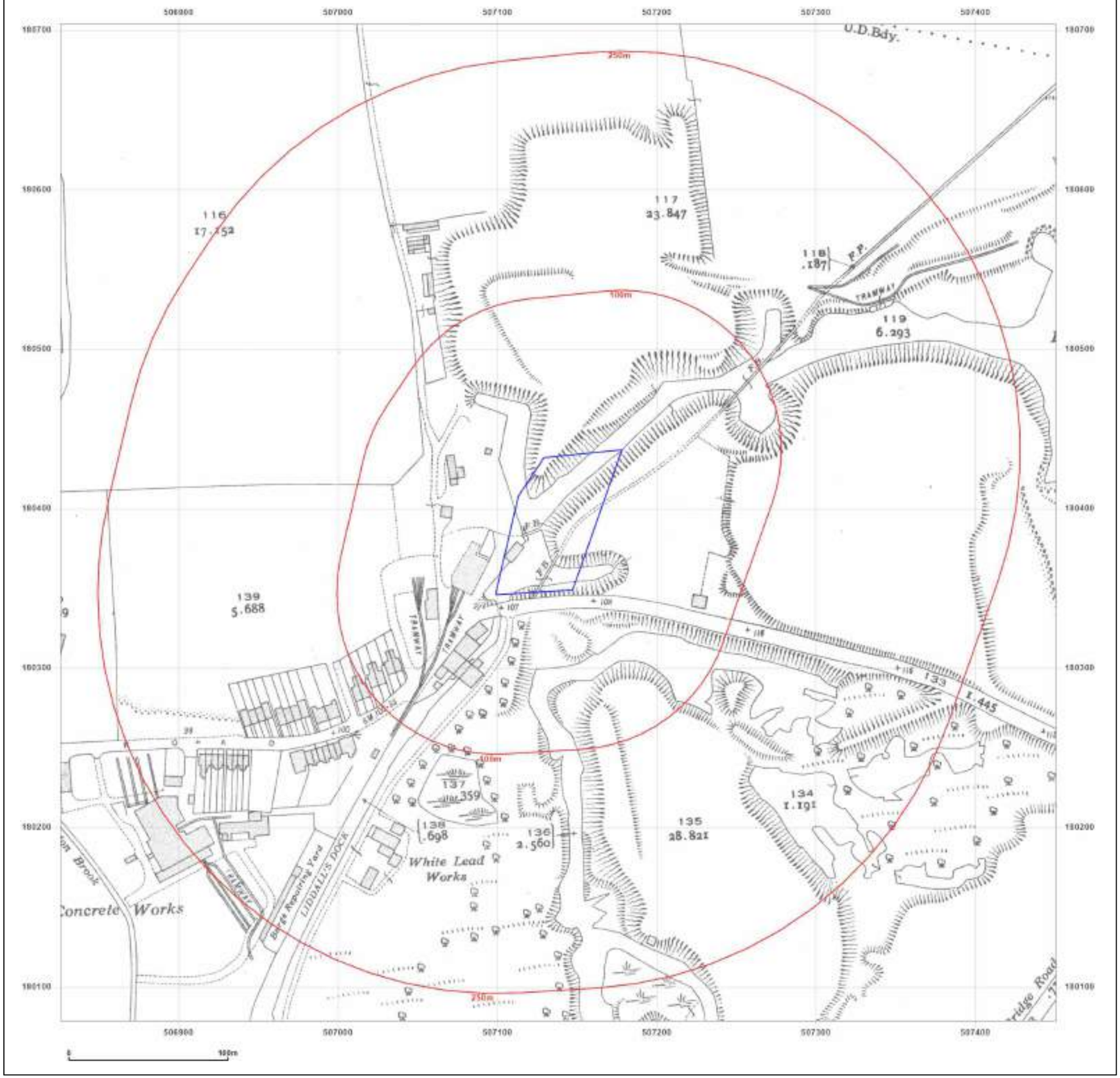

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Client Ref: P4398JJ2568-1
Report Ref: JOMAS-8765693
Grid Ref: 507138, 180391

Map Name: County Series

Map date: **1935**

Scale: 1:2,500

Printed at: 1:2,500

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Client Ref: P4398JJ2568-1
Report Ref: JOMAS-8765693
Grid Ref: 507138, 180391

Map Name: National Grid

Map date: **1965**

Scale: 1:1,250

Printed at: 1:2,000

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Edition N/A
Copyright 1965
Levelled 1957

Surveyed 1964
Revised 1964
Edition N/A
Copyright 1965
Levelled 1957

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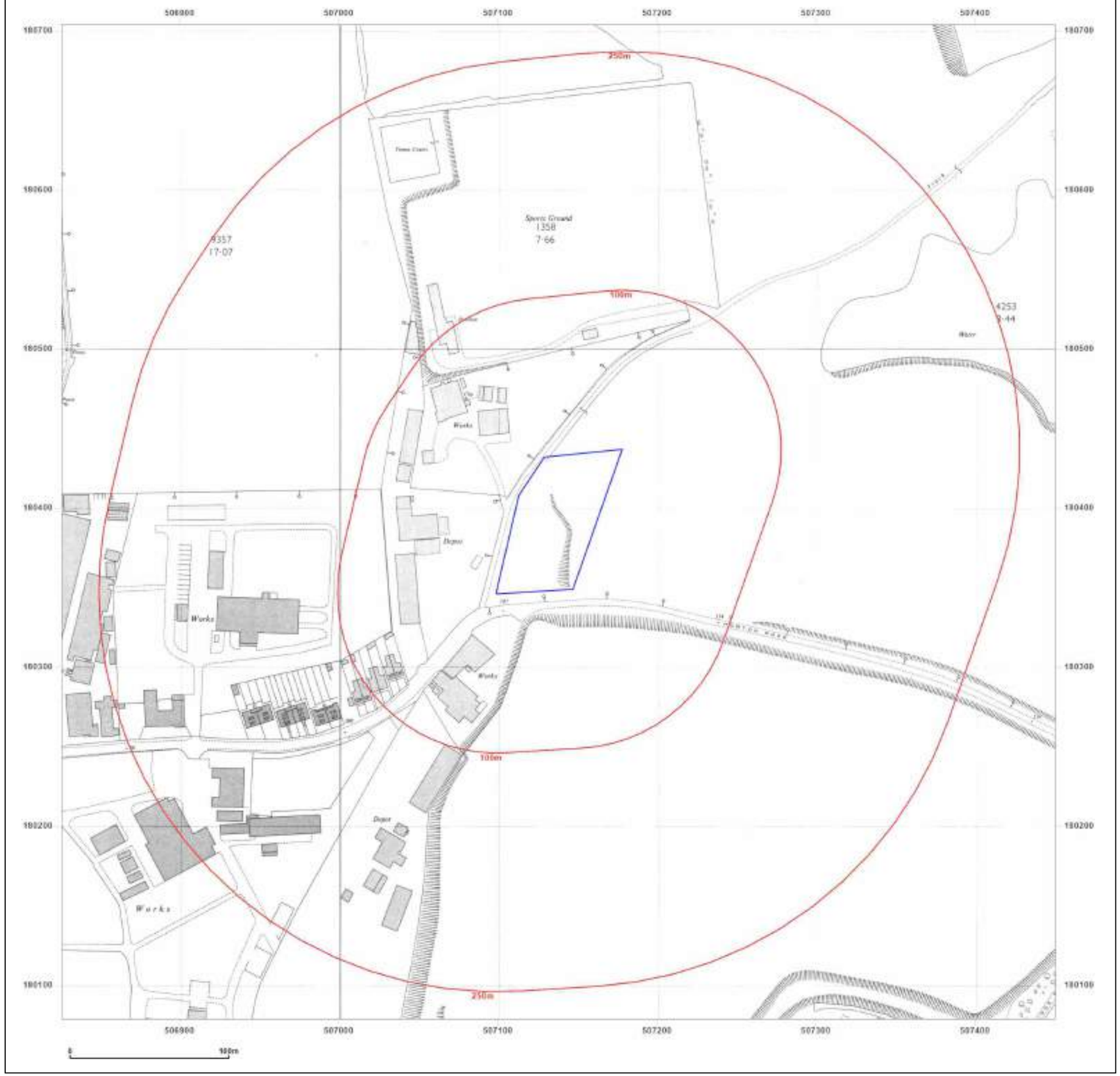

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Site Details:

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Client Ref: P4398JJ2568-1
Report Ref: JOMAS-8765693
Grid Ref: 507138, 180391

Map Name: National Grid

Map date: **1966**

Scale: 1:2,500

Printed at: 1:2,500

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Edition 1966
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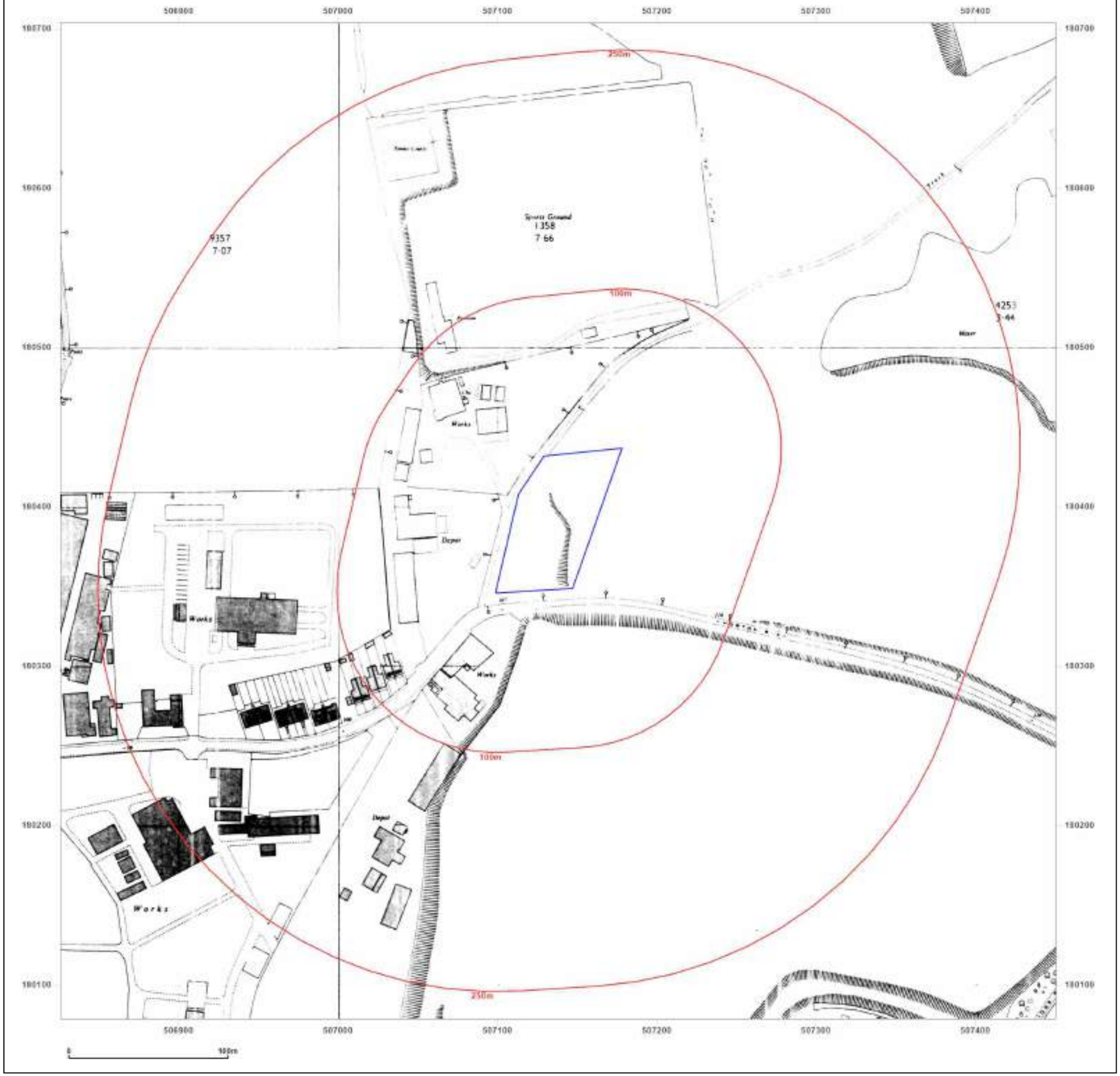

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Report Ref: JOMAS-8765693
Grid Ref: 507138, 180391

Map Name: National Grid

Map date: **1966**

Scale: 1:2,500

Printed at: 1:2,500

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

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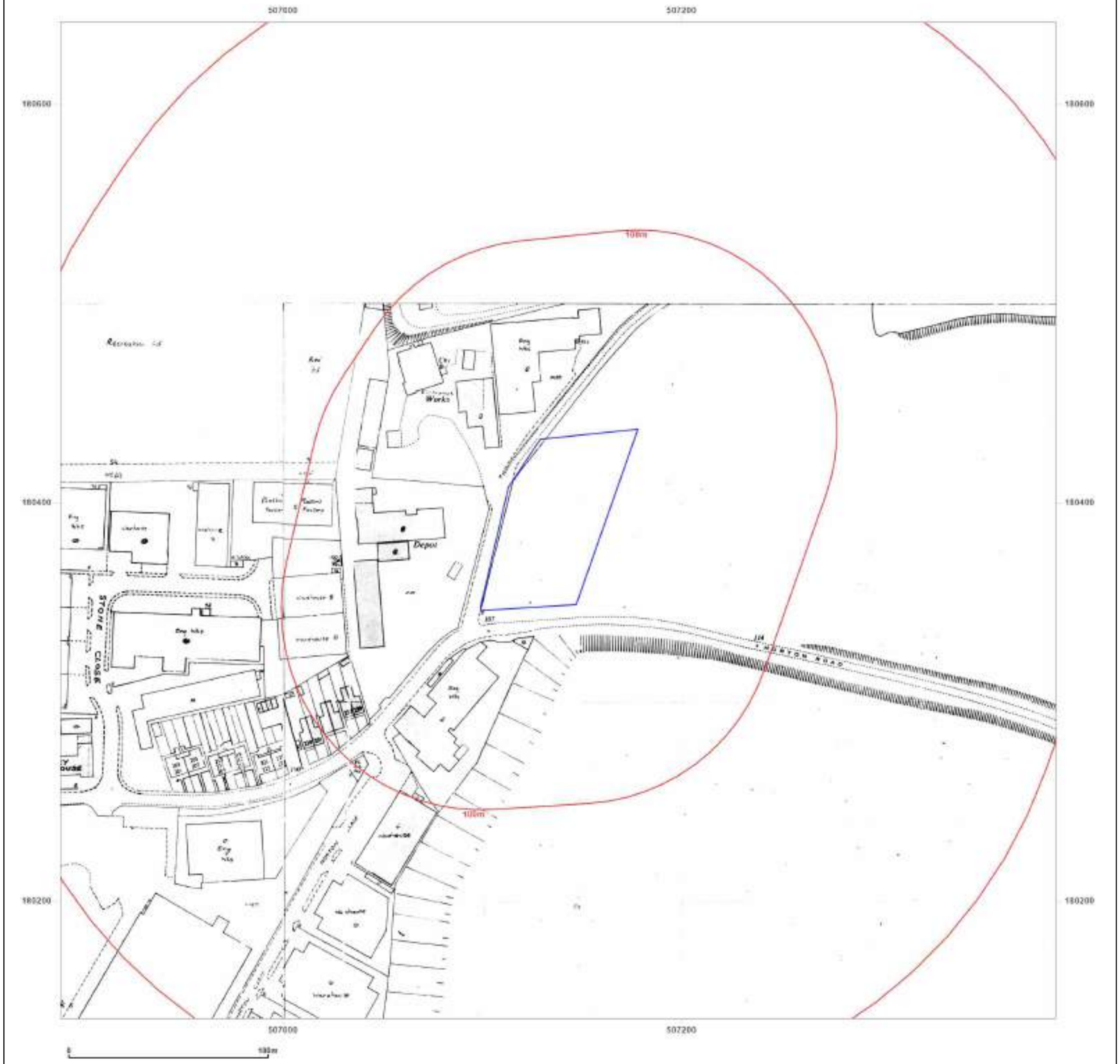

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1 BEACHES YARD, HORTON ROAD, YIEWSLEY, WEST DRAYTON, UB7 8HX

Client Ref: P4398JJ2568-1
Report Ref: JOMAS-8765693
Grid Ref: 507138, 180391

Map Name: National Grid

Map date: **1975**

Scale: 1:1,250

Printed at: 1:2,000

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Edition N/A
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Levelled N/A

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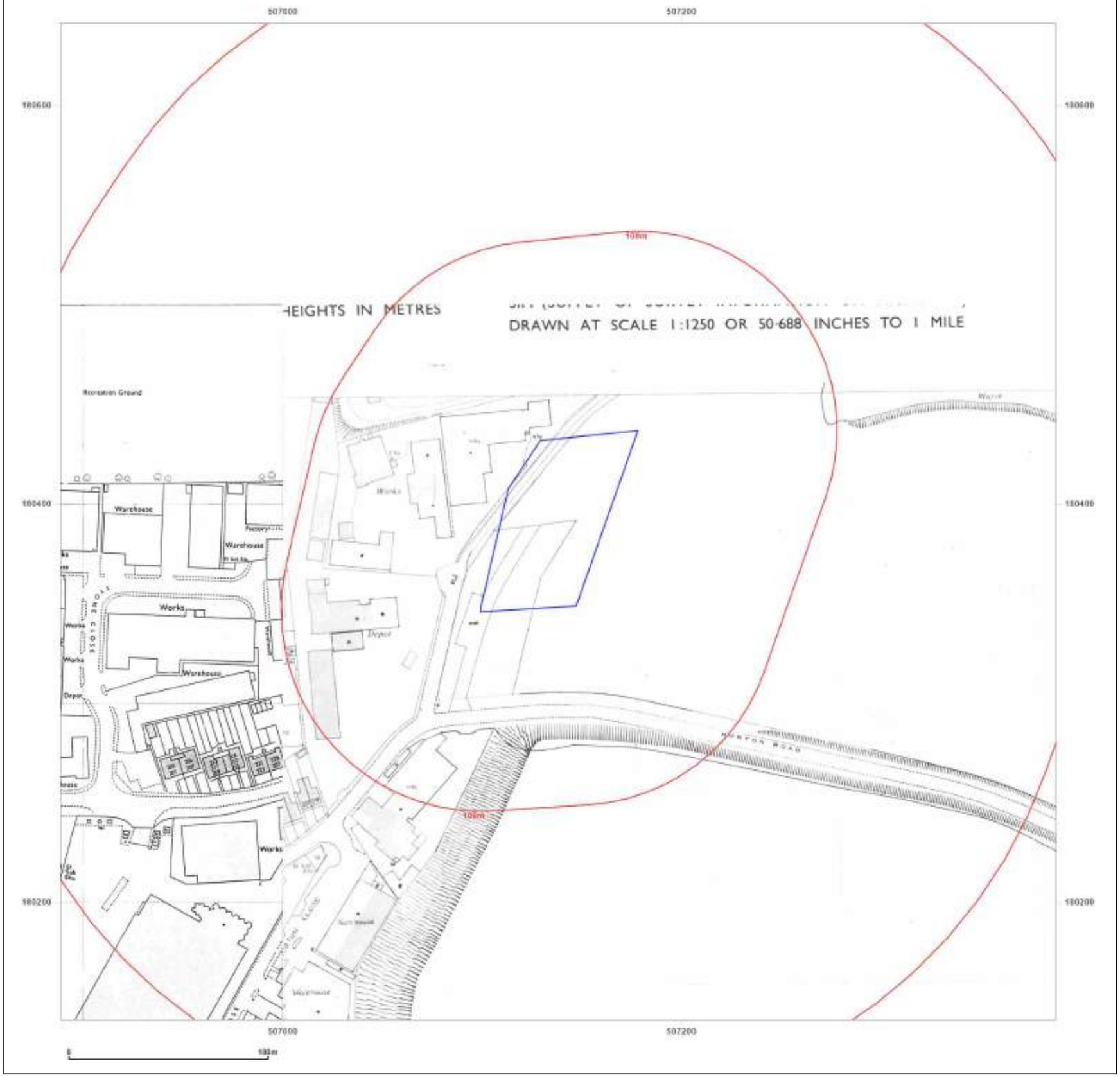

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Client Ref: P4398JJ2568-1
Report Ref: JOMAS-8765693
Grid Ref: 507138, 180391

Map Name: National Grid
Map date: **1978-1979**
Scale: 1:1,250
Printed at: 1:2,000

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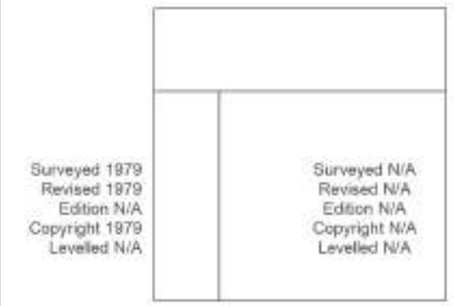

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Client Ref: P4398JJ2568-1
Report Ref: JOMAS-8765693
Grid Ref: 507138, 180391

Map Name: National Grid
Map date: **1978-1980**
Scale: 1:1,250
Printed at: 1:2,000

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Revised 1977
Edition N/A
Copyright 1978
Levelled 1957

Surveyed 1964
Revised 1979
Edition N/A
Copyright 1980
Levelled 1957

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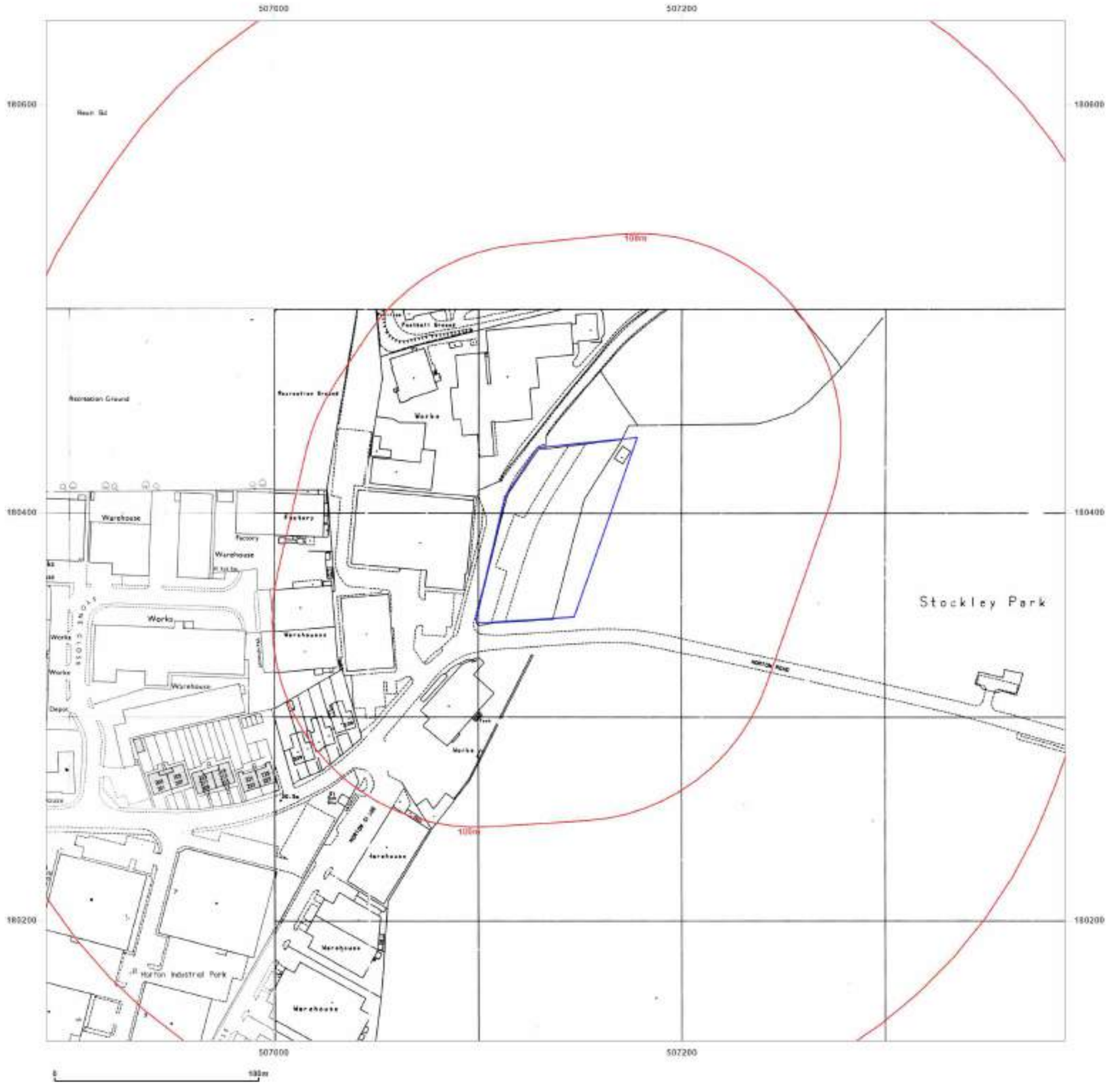

JOMAS ENGINEERING ENVIRONMENTAL

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1 BEACHES YARD, HORTON ROAD, YIEWSLEY, WEST DRAYTON, UB7 8HX

Client Ref: P4398JJ2568-1
Report Ref: JOMAS-8765693
Grid Ref: 507138, 180391

Map Name: National Grid

Map date: **1986-1991**

Scale: 1:1,250

Printed at: 1:2,000

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Surveyed 1957 Revised 1989 Edition N/A Copyright 1989 Levelled 1957	Surveyed N/A Revised N/A Edition N/A Copyright N/A Levelled N/A

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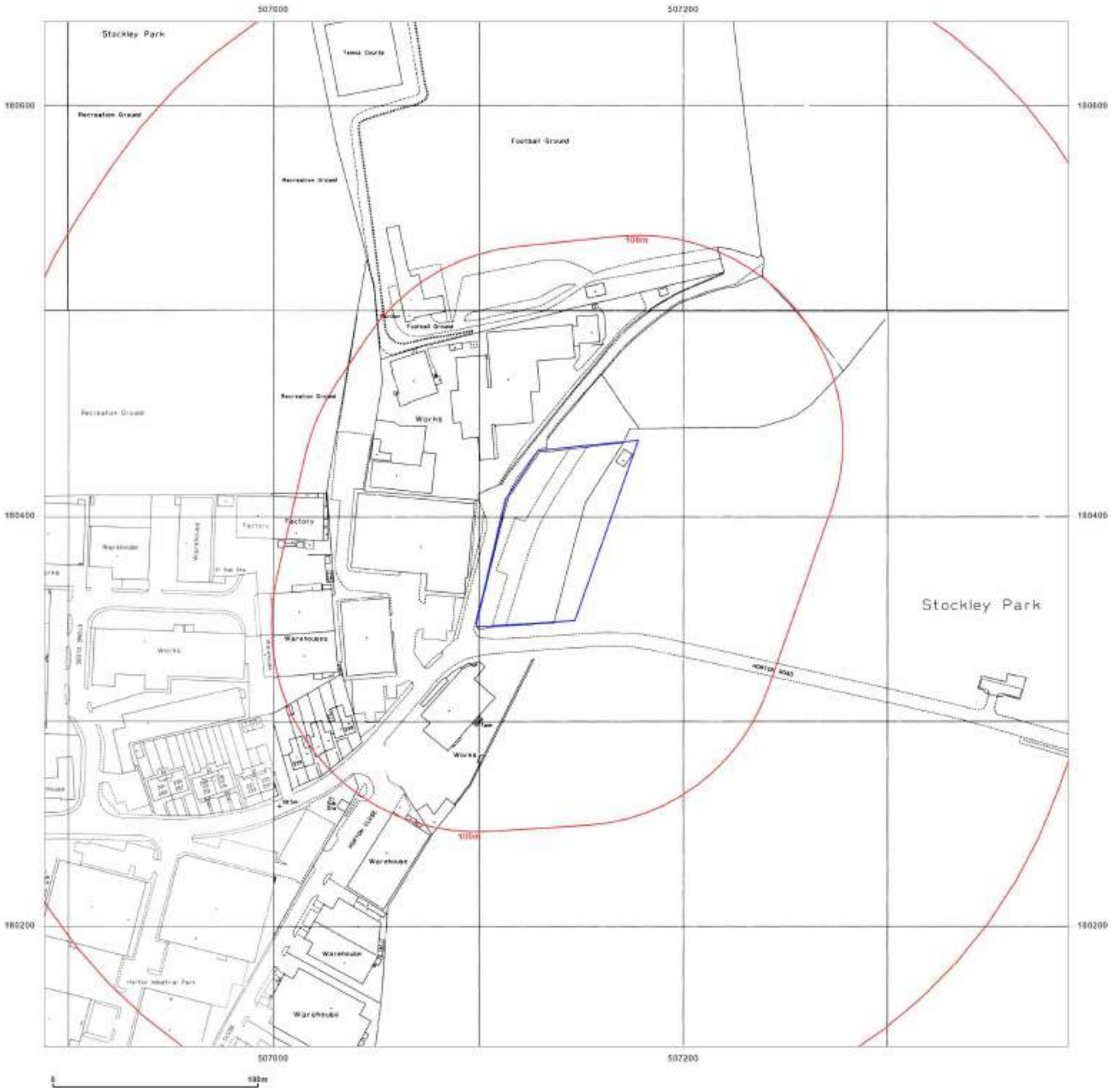
Map legend available at:
www.groundsure.com/sites/default/files/groundsure_legend.pdf



JOMAS ENGINEERING ENVIRONMENTAL

Site Details:

1 BEACHES YARD, HORTON ROAD, YIEWSLEY, WEST DRAYTON, UB7 8HX

Client Ref: P4398JJ2568-1
Report Ref: JOMAS-8765693
Grid Ref: 507138, 180391

Map Name: National Grid

Map date: **1992**

Scale: 1:1,250

Printed at: 1:2,000

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Surveyed N/A
Revised N/A
Edition N/A
Copyright 1992
Levelled N/A

Surveyed N/A
Revised N/A
Edition N/A
Copyright 1992
Levelled N/A

Surveyed N/A
Revised N/A
Edition 1992
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Production date: 20 May 2022

Map legend available at:
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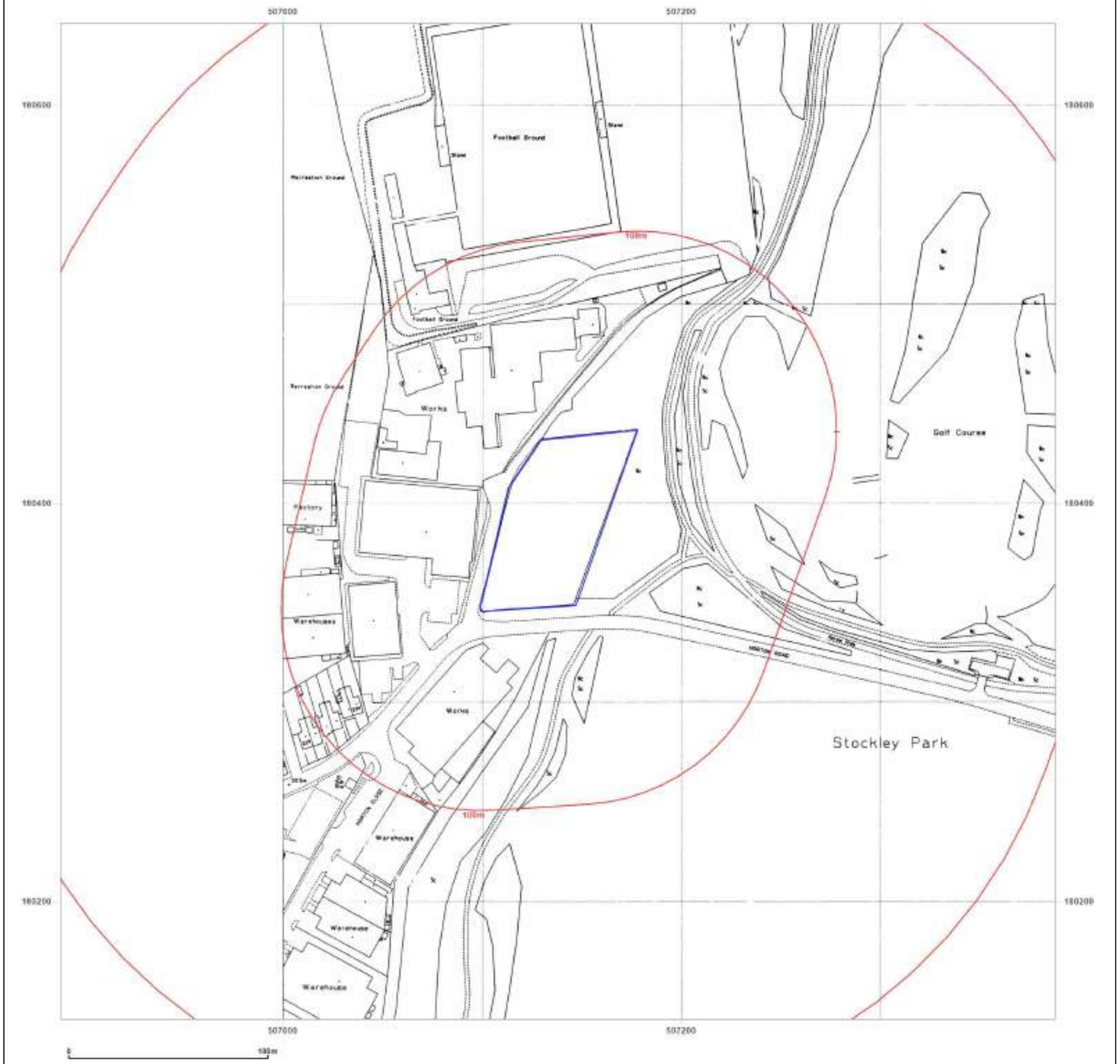

JOMAS ENGINEERING ENVIRONMENTAL

Site Details:

1 BEACHES YARD, HORTON ROAD, YIEWSLEY, WEST DRAYTON, UB7 8HX

Client Ref: P4398JJ2568-1
Report Ref: JOMAS-8765693
Grid Ref: 507138, 180391

Map Name: National Grid

Map date: **1993**

Scale: 1:1,250

Printed at: 1:2,000

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

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Revised N/A
Edition N/A
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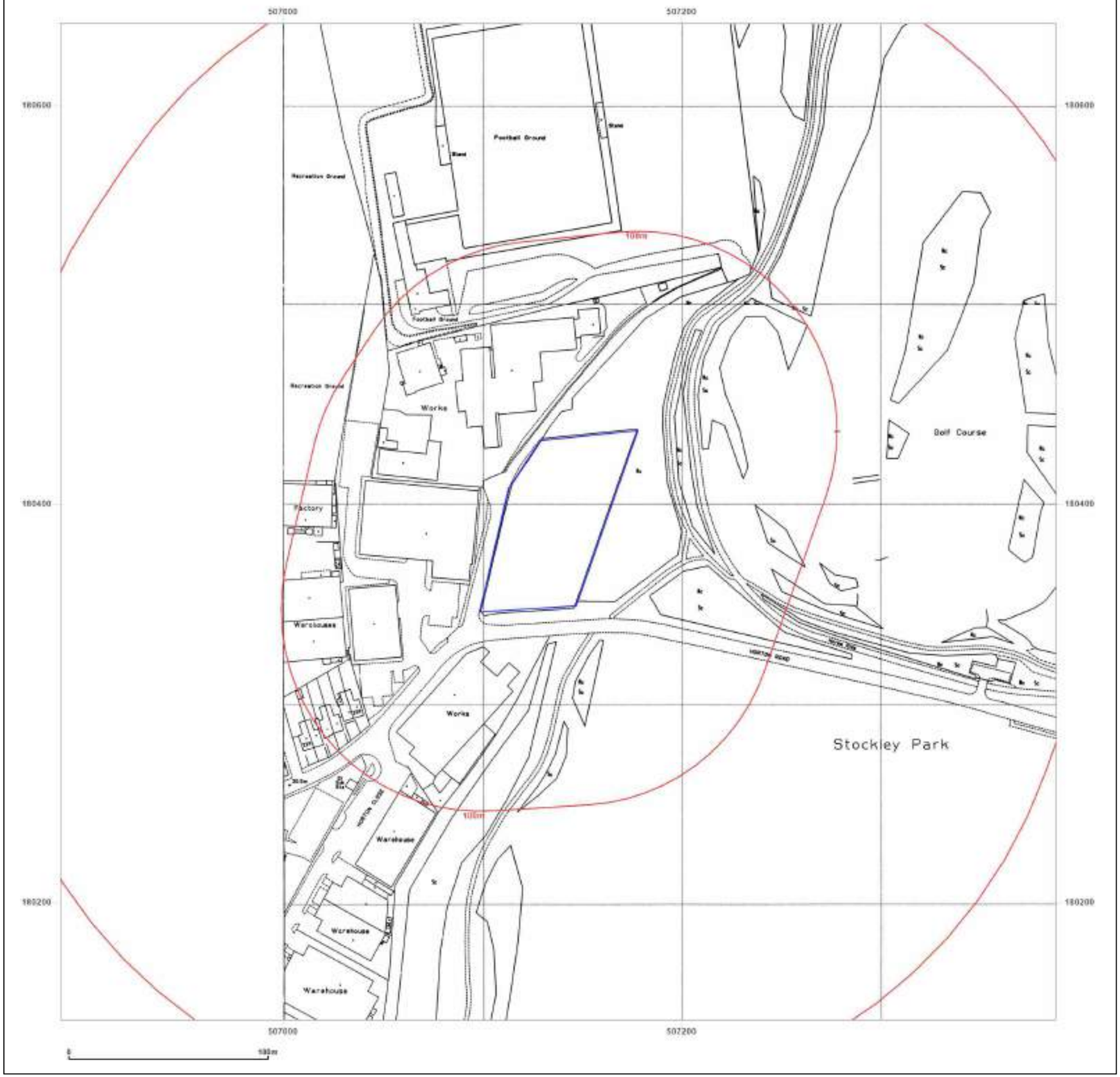

JOMAS ENGINEERING ENVIRONMENTAL

Site Details:

1 BEACHES YARD, HORTON ROAD, YIEWSLEY, WEST DRAYTON, UB7 8HX

Client Ref: P4398JJ2568-1
Report Ref: JOMAS-8765693
Grid Ref: 507138, 180391

Map Name: National Grid

Map date: **1993**

Scale: 1:1,250

Printed at: 1:2,000

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

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Revised N/A
Edition N/A
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Site Details:

1 BEACHES YARD, HORTON ROAD, YIEWSLEY, WEST DRAYTON, UB7 8HX

Client Ref: P4398JJ2568-1
Report Ref: JOMAS-8765693
Grid Ref: 507138, 180391

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

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Production date: 20 May 2022

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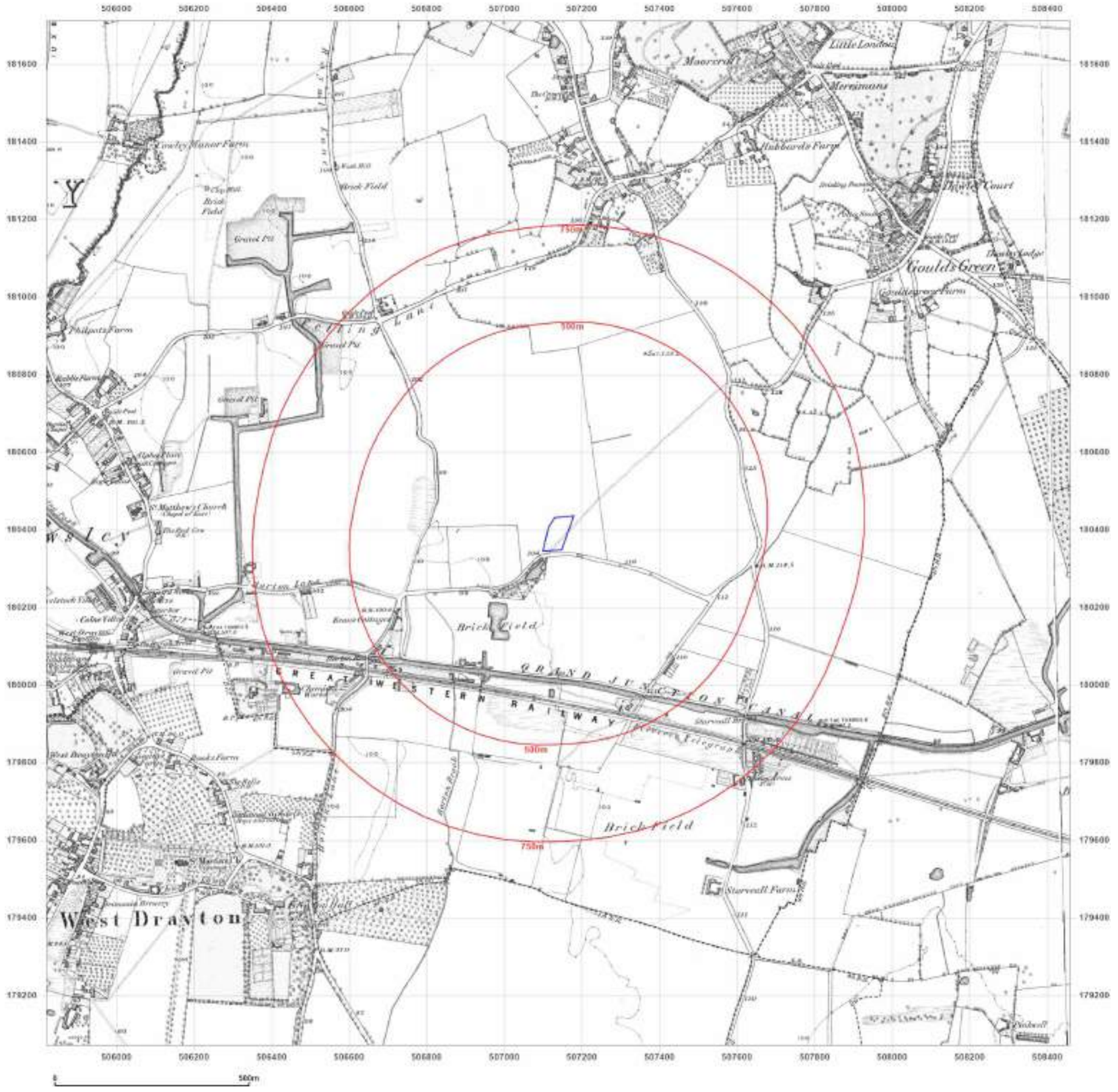

JOMAS ENGINEERING ENVIRONMENTAL

Site Details:

1 BEACHES YARD, HORTON ROAD, YIEWSLEY, WEST DRAYTON, UB7 8HX

Client Ref: P4398JJ2568-1
Report Ref: JOMAS-8765693
Grid Ref: 507138, 180391

Map Name: County Series

Map date: **1868**

Scale: 1:10,560

Printed at: 1:10,560

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Surveyed 1864
Revised 1868
Edition 1868
Copyright N/A
Levelled N/A

Surveyed 1865
Revised 1865
Edition 1868
Copyright N/A
Levelled N/A

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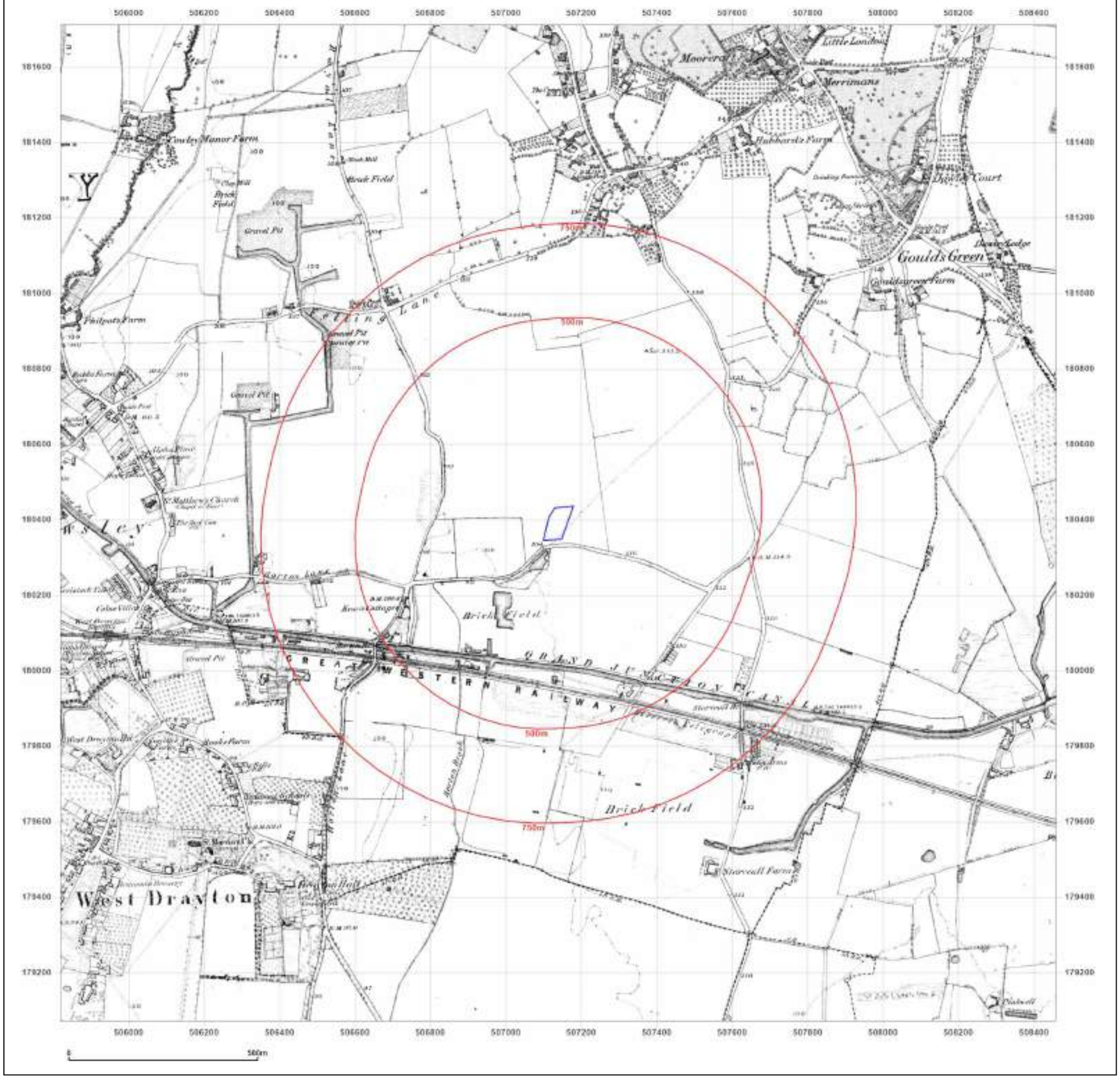
Production date: 20 May 2022

Map legend available at:
www.groundsure.com/sites/default/files/groundsure_legend.pdf



Site Details:

1 BEACHES YARD, HORTON ROAD, YIEWSLEY, WEST DRAYTON, UB7 8HX

Client Ref: P4398JJ2568-1
Report Ref: JOMAS-8765693
Grid Ref: 507138, 180391

Map Name: County Series

Map date: **1881**

Scale: 1:10,560

Printed at: 1:10,560

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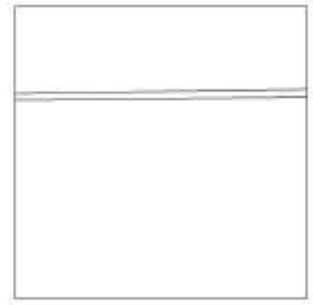

Surveyed 1875
Revised N/A
Edition 1881
Copyright N/A
Levelled N/A

Surveyed N/A
Revised N/A
Edition 1881
Copyright N/A
Levelled N/A

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Map legend available at:
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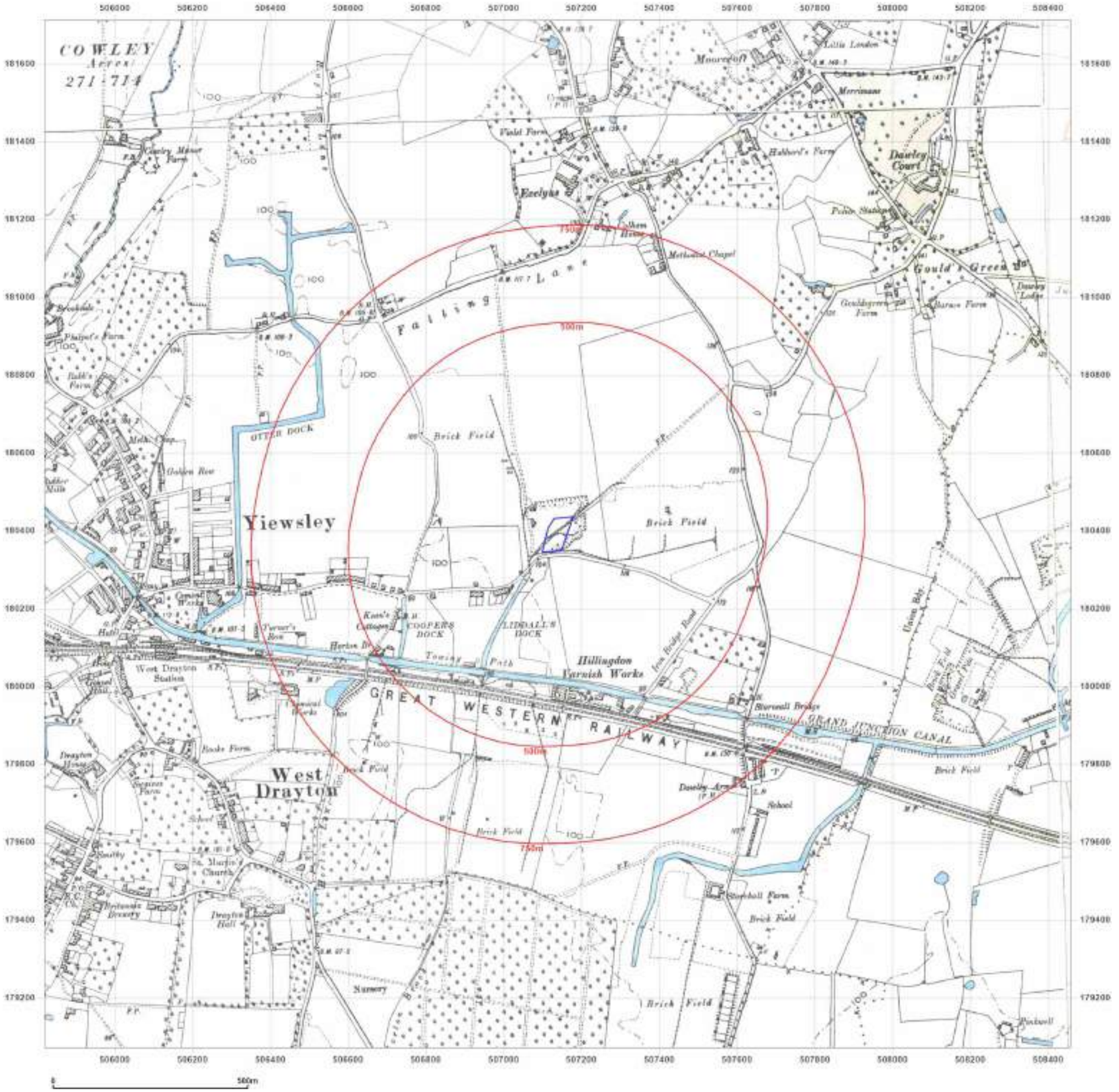

JOMAS ENGINEERING ENVIRONMENTAL

Site Details:

1 BEACHES YARD, HORTON ROAD, YIEWSLEY, WEST DRAYTON, UB7 8HX

Client Ref: P4398JJ2568-1
Report Ref: JOMAS-8765693
Grid Ref: 507138, 180391

Map Name: County Series

Map date: **1894-1897**

Scale: 1:10,560

Printed at: 1:10,560

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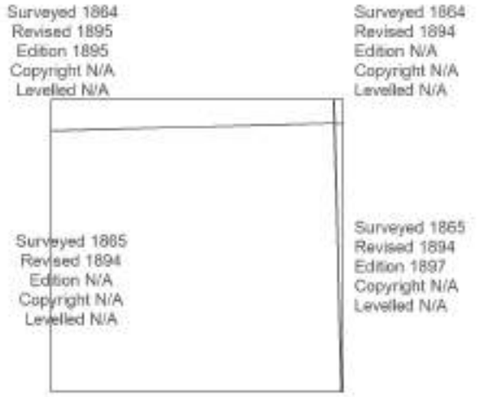

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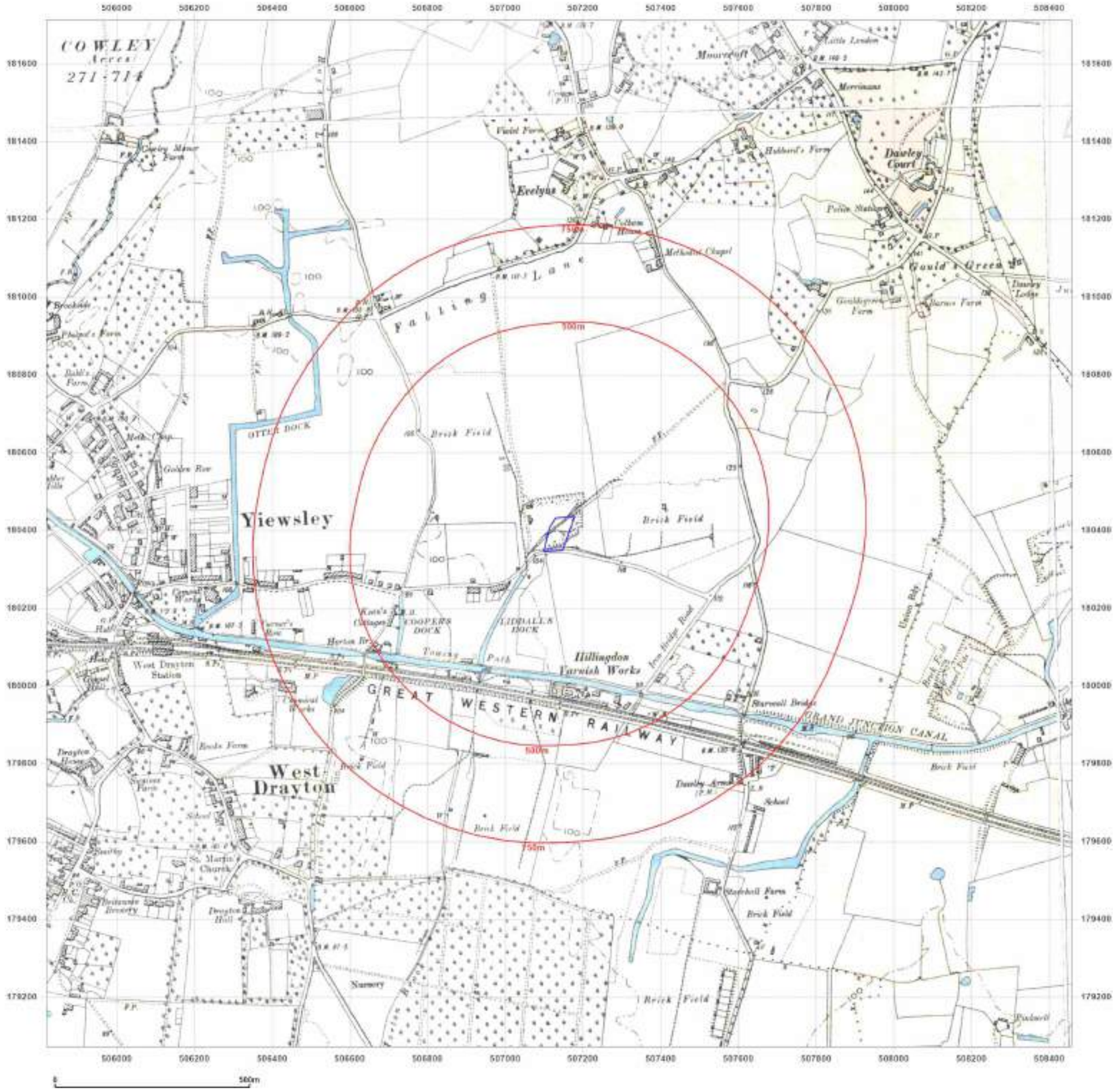

JOMAS ENGINEERING ENVIRONMENTAL

Site Details:

1 BEACHES YARD, HORTON ROAD, YIEWSLEY, WEST DRAYTON, UB7 8HX

Client Ref: P4398JJ2568-1
Report Ref: JOMAS-8765693
Grid Ref: 507138, 180391

Map Name: County Series

Map date: **1894-1897**

Scale: 1:10,560

Printed at: 1:10,560

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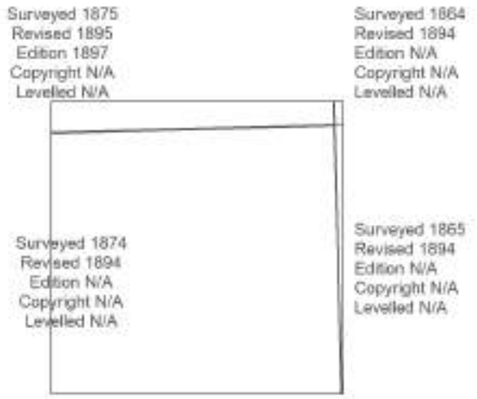

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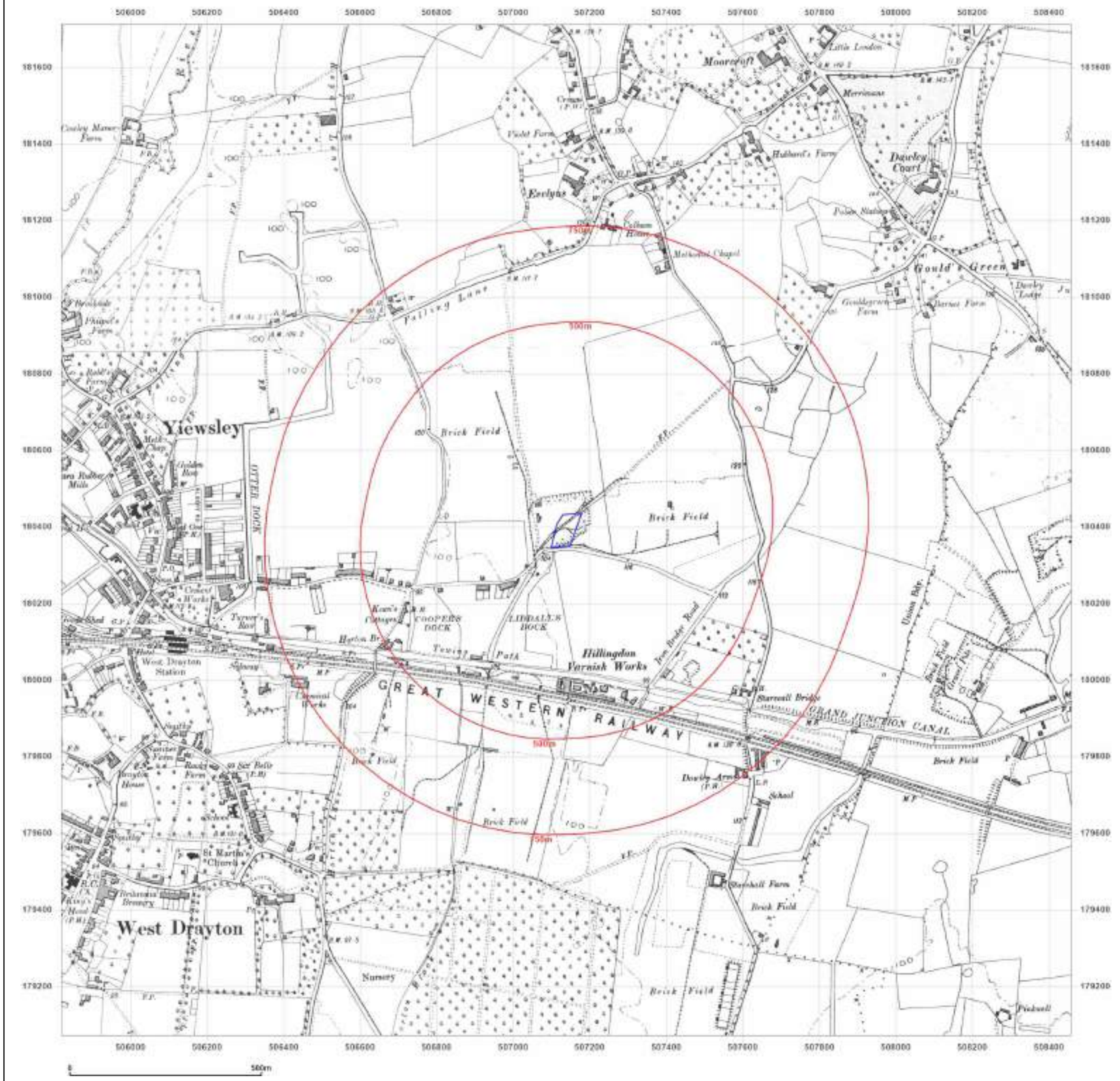

JOMAS ENGINEERING ENVIRONMENTAL

Site Details:

1 BEACHES YARD, HORTON ROAD, YIEWSLEY, WEST DRAYTON, UB7 8HX

Client Ref: P4398JJ2568-1
Report Ref: JOMAS-8765693
Grid Ref: 507138, 180391

Map Name: County Series

Map date: **1898-1900**

Scale: 1:10,560

Printed at: 1:10,560

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Surveyed 1875
Revised 1900
Edition 1900
Copyright N/A
Levelled N/A

Surveyed 1875
Revised 1898
Edition N/A
Copyright N/A
Levelled N/A

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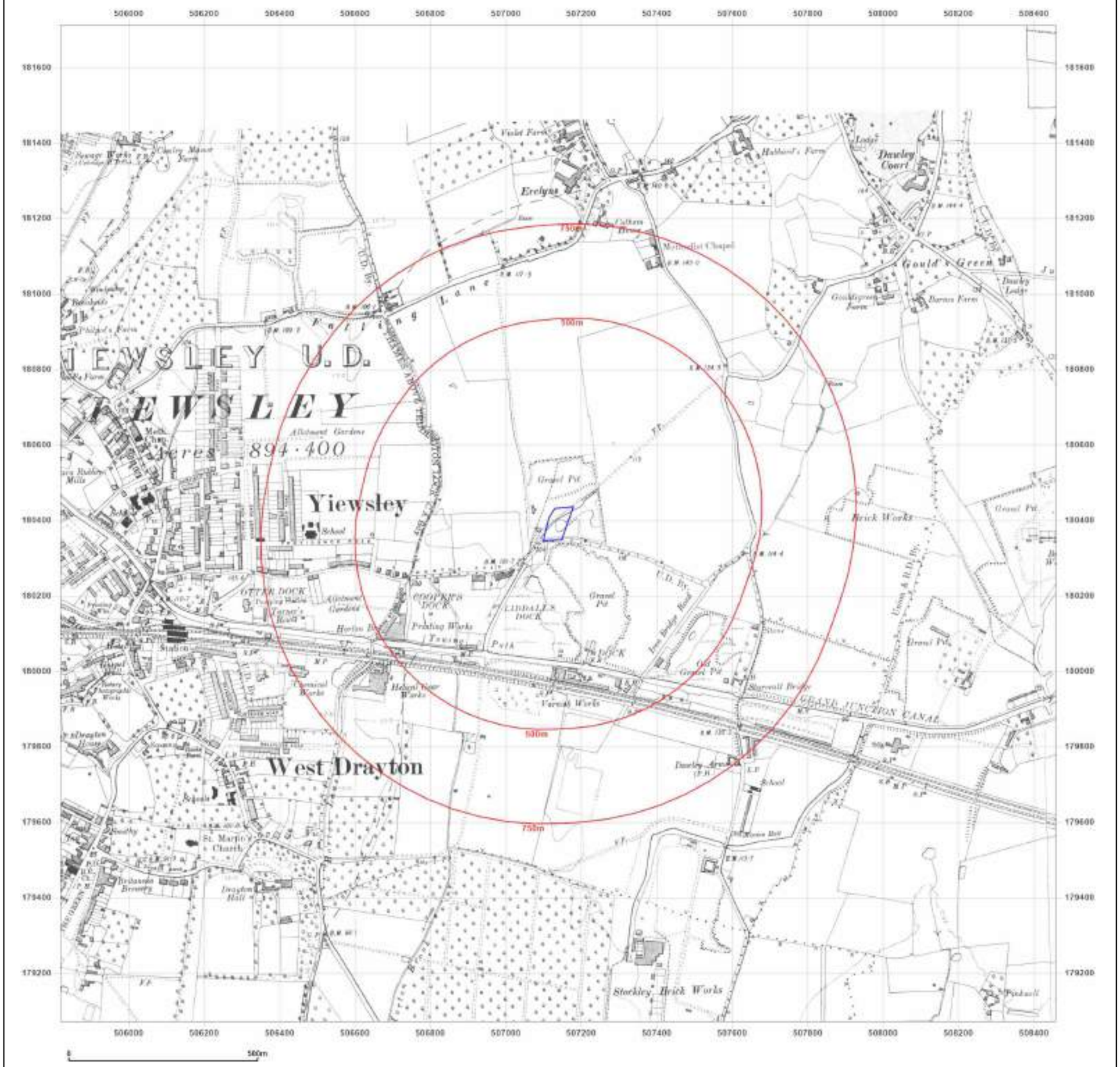

JOMAS ENGINEERING ENVIRONMENTAL

Site Details:

1 BEACHES YARD, HORTON ROAD, YIEWSLEY, WEST DRAYTON, UB7 8HX

Client Ref: P4398JJ2568-1
Report Ref: JOMAS-8765693
Grid Ref: 507138, 180391

Map Name: County Series

Map date: **1913**

Scale: 1:10,560

Printed at: 1:10,560

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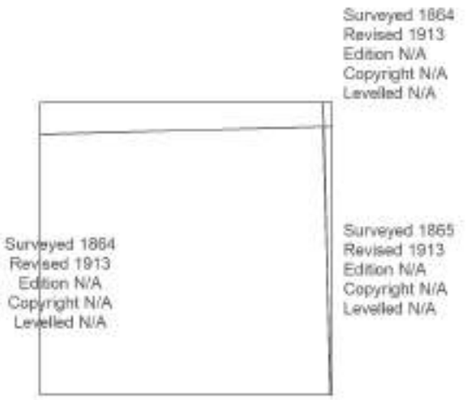

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Production date: 20 May 2022

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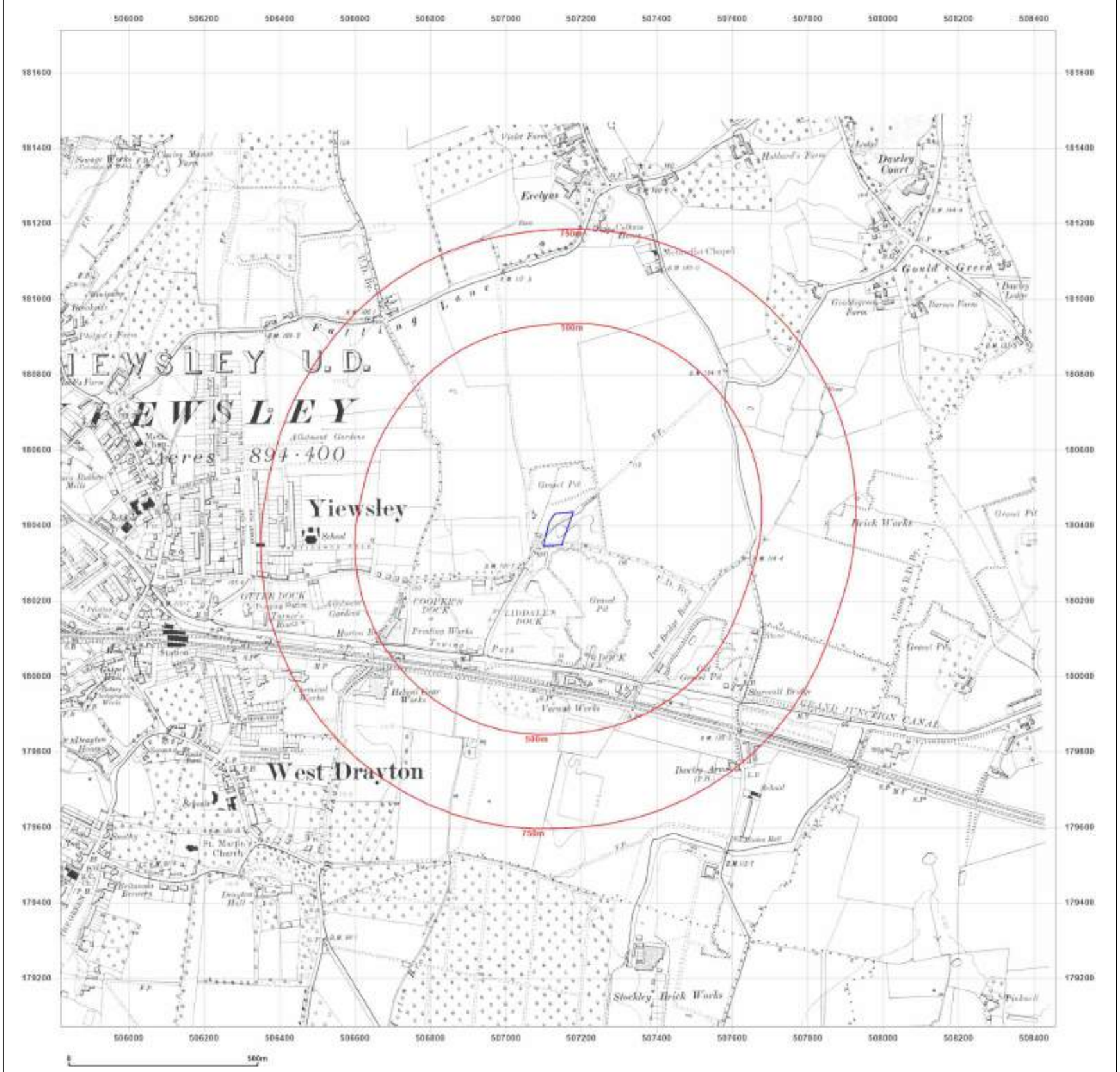

JOMAS ENGINEERING ENVIRONMENTAL

Site Details:

1 BEACHES YARD, HORTON ROAD, YIEWSLEY, WEST DRAYTON, UB7 8HX

Client Ref: P4398JJ2568-1
Report Ref: JOMAS-8765693
Grid Ref: 507138, 180391

Map Name: County Series

Map date: **1913**

Scale: 1:10,560

Printed at: 1:10,560

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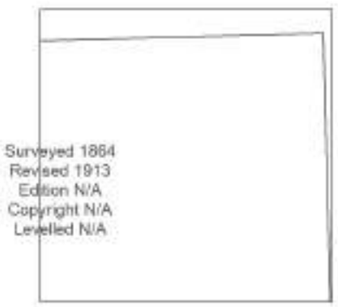

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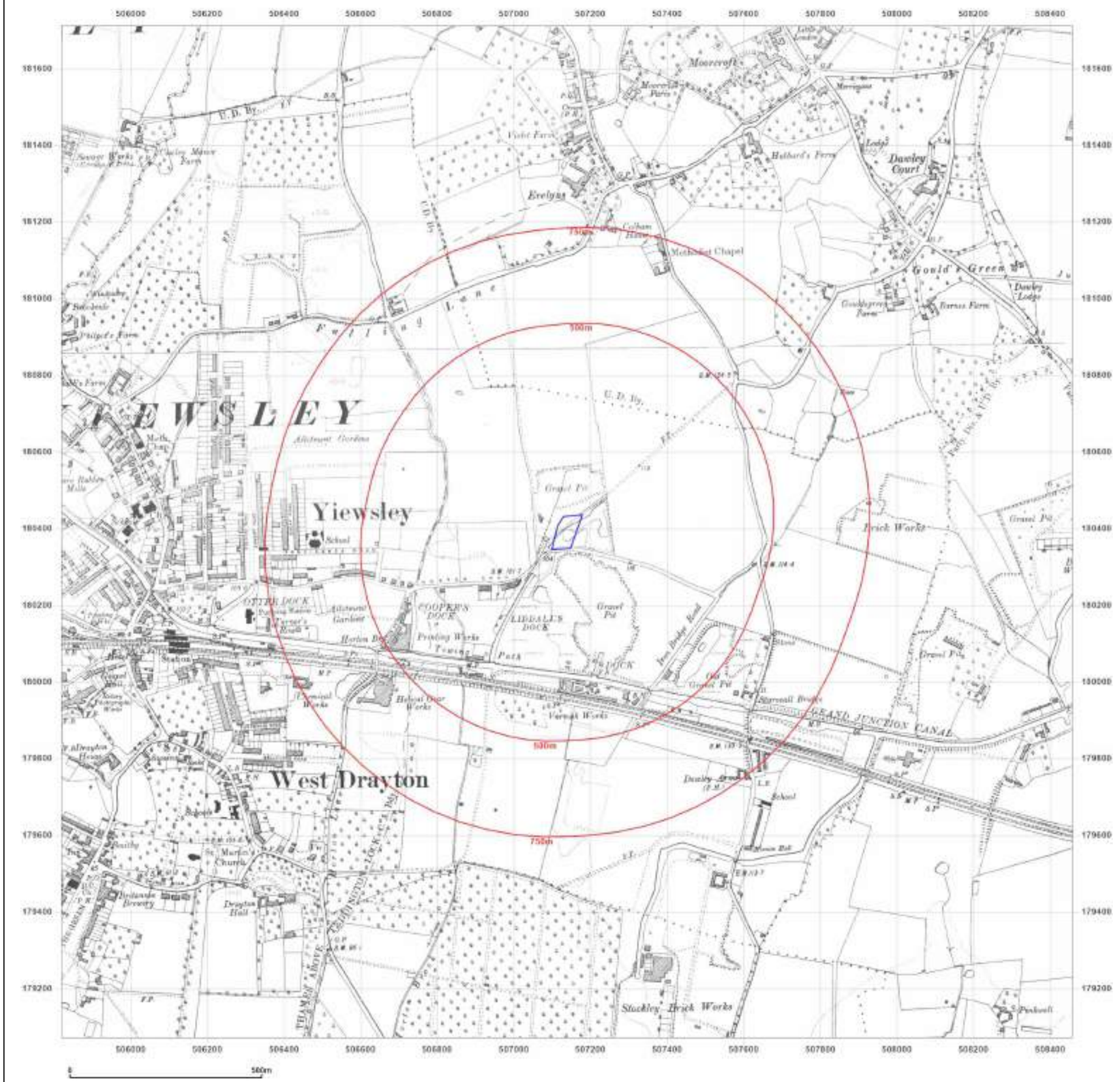

JOMAS ENGINEERING ENVIRONMENTAL

Site Details:

1 BEACHES YARD, HORTON
ROAD, YIEWSLEY, WEST
DRAYTON, UB7 8HX

Client Ref: P4398JJ2568-1
Report Ref: JOMAS-8765693
Grid Ref: 507138, 180391

Map Name: County Series

Map date: **1932**

Scale: 1:10,560

Printed at: 1:10,560

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Surveyed 1874
Revised 1932
Edition 1932
Copyright N/A
Levelled 1923

Surveyed 1874
Revised 1932
Edition N/A
Copyright N/A
Levelled N/A

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Production date: 20 May 2022

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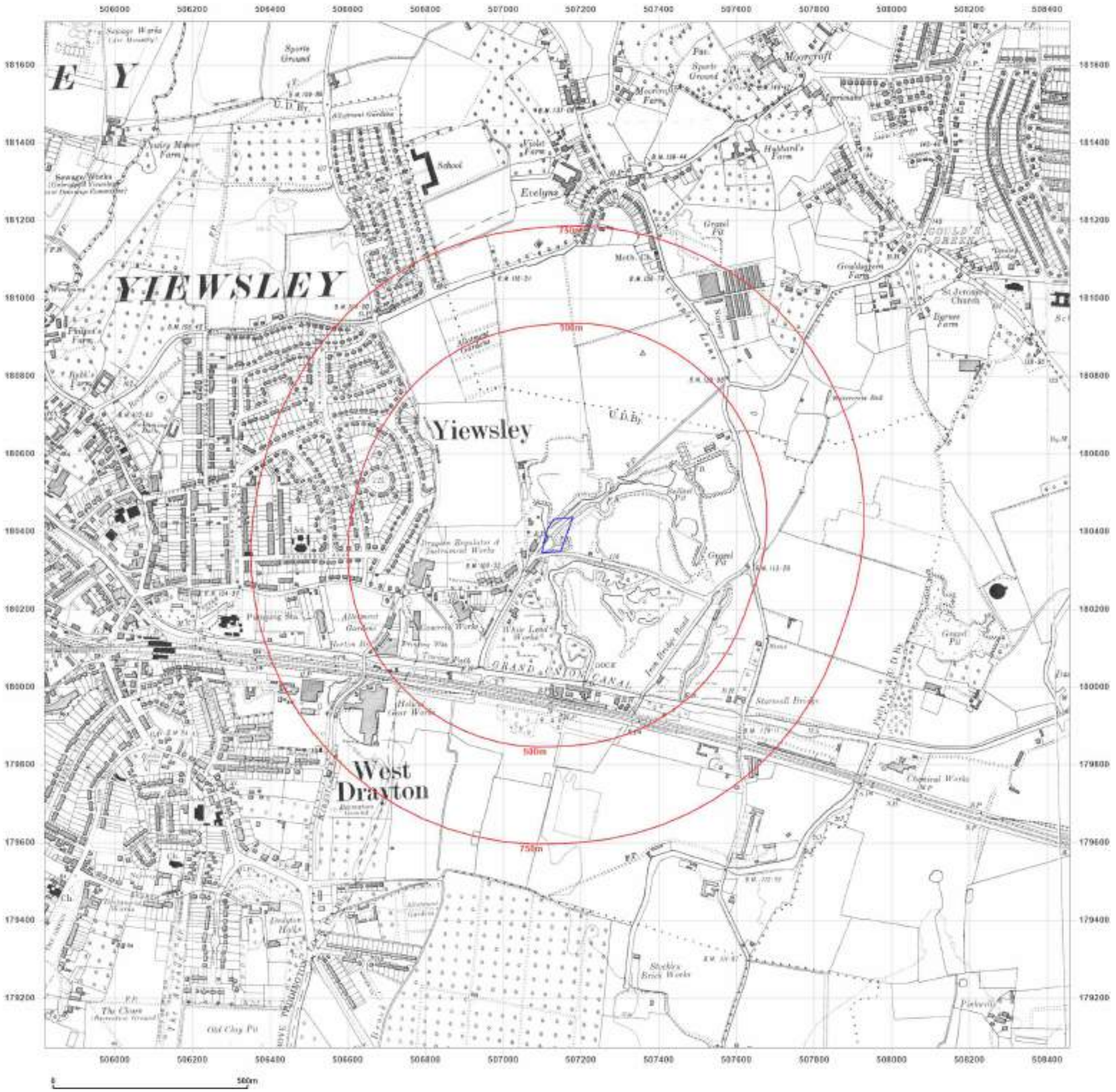

JOMAS ENGINEERING ENVIRONMENTAL

Site Details:

1 BEACHES YARD, HORTON ROAD, YIEWSLEY, WEST DRAYTON, UB7 8HX

Client Ref:	P4398JJ2568-1
Report Ref:	JOMAS-8765693
Grid Ref:	507138, 180391

Map Name:	County Series
Map date:	**1935**
Scale:	1:10,560
Printed at:	1:10,560

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Production date: 20 May 2022

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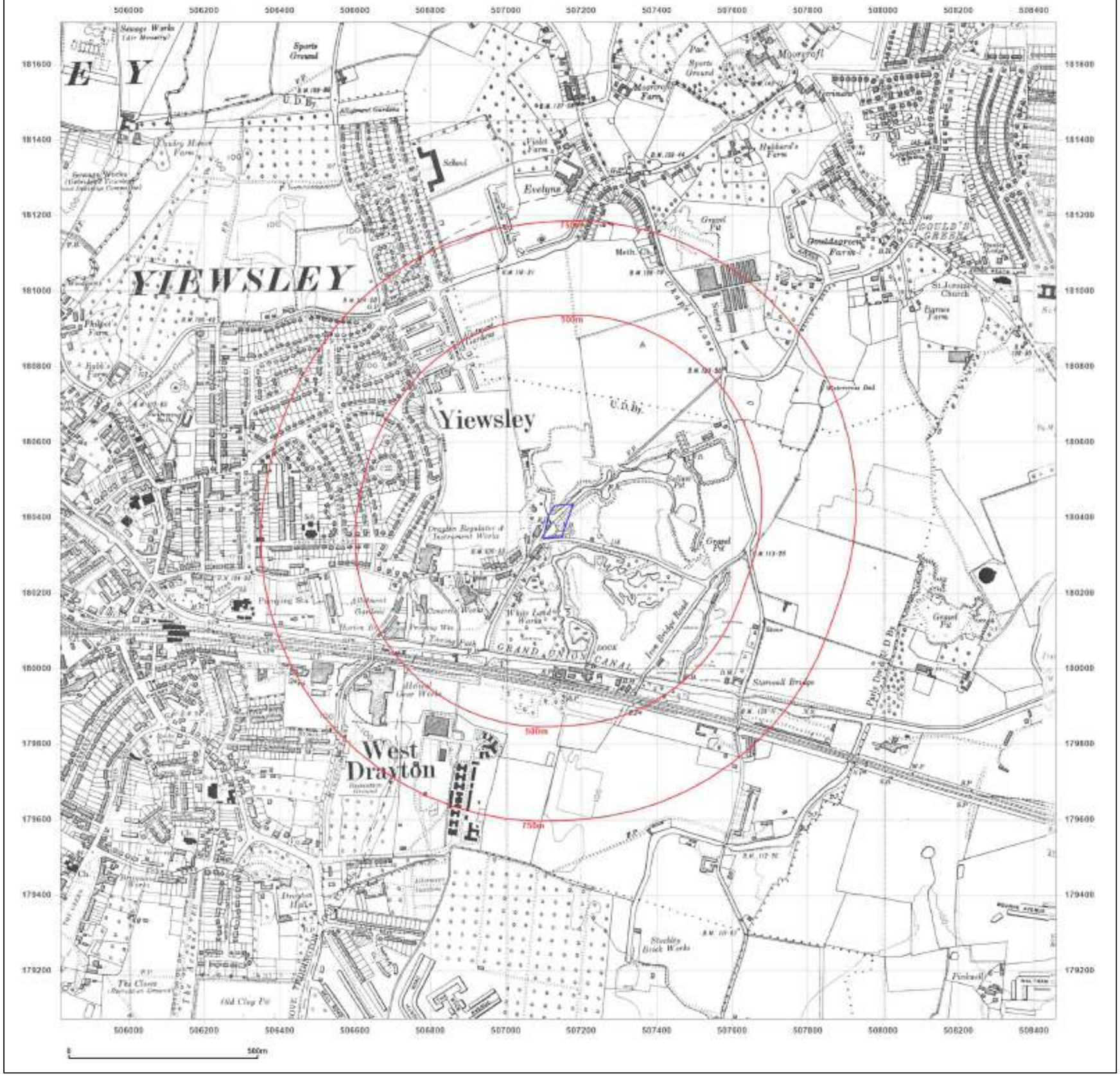

JOMAS ENGINEERING ENVIRONMENTAL

Site Details:

1 BEACHES YARD, HORTON ROAD, YIEWSLEY, WEST DRAYTON, UB7 8HX

Client Ref: P4398JJ2568-1
Report Ref: JOMAS-8765693
Grid Ref: 507138, 180391

Map Name: County Series

Map date: **1938**

Scale: 1:10,560

Printed at: 1:10,560

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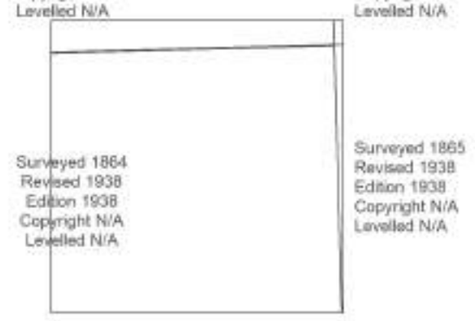

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Production date: 20 May 2022

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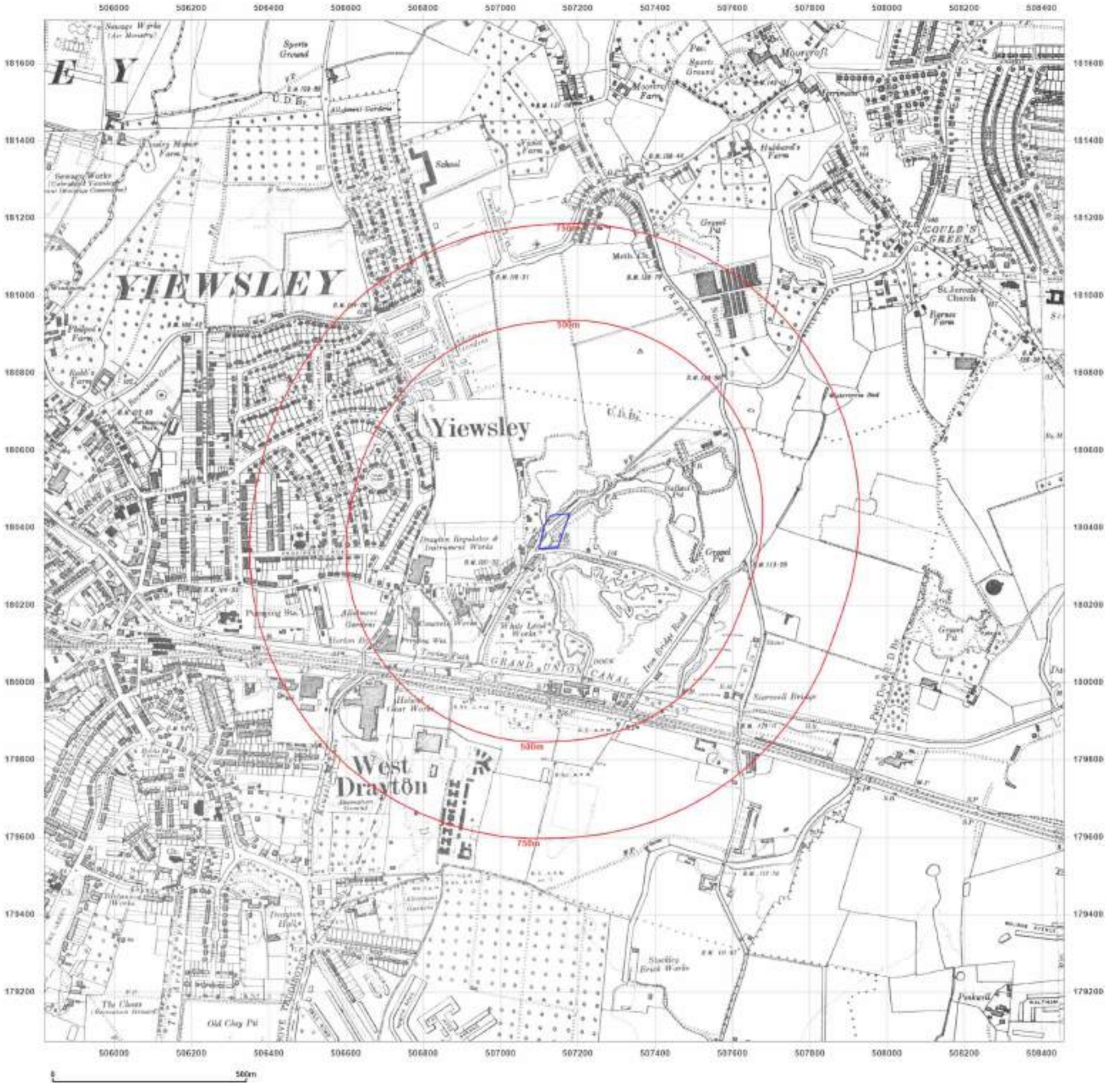

JOMAS ENGINEERING ENVIRONMENTAL

Site Details:

1 BEACHES YARD, HORTON ROAD, YIEWSLEY, WEST DRAYTON, UB7 8HX

Client Ref: P4398JJ2568-1
Report Ref: JOMAS-8765693
Grid Ref: 507138, 180391

Map Name: County Series

Map date: **1938**

Scale: 1:10,560

Printed at: 1:10,560

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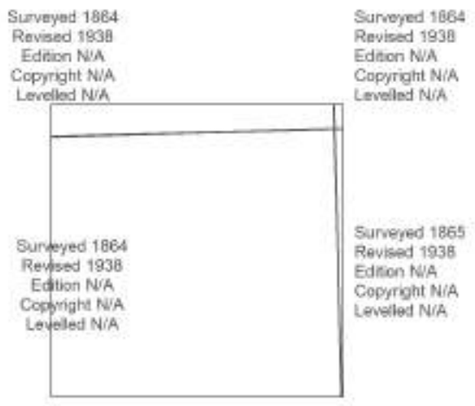

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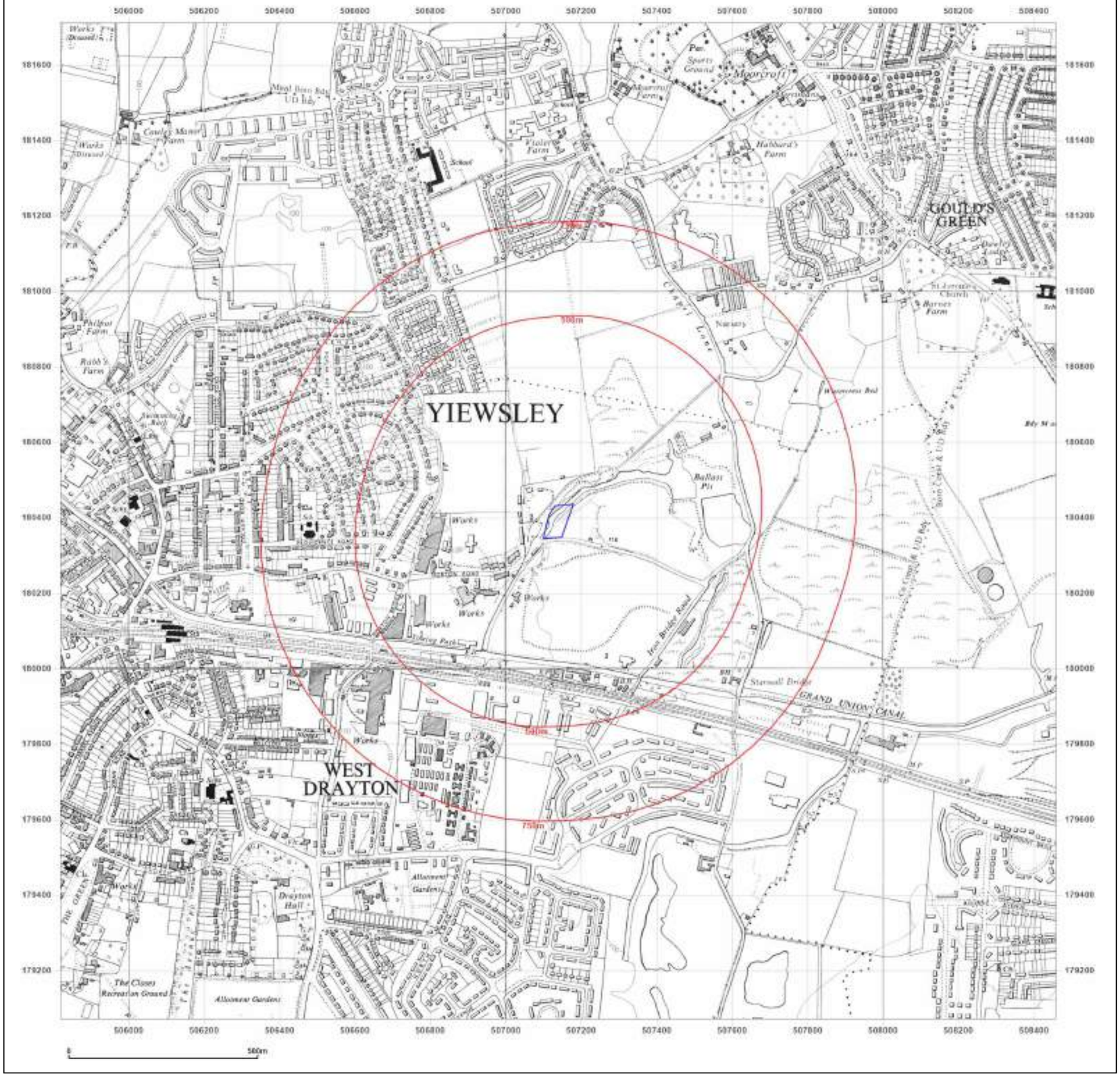

JOMAS ENGINEERING ENVIRONMENTAL

Site Details:

1 BEACHES YARD, HORTON ROAD, YIEWSLEY, WEST DRAYTON, UB7 8HX

Client Ref: P4398JJ2568-1
Report Ref: JOMAS-8765693
Grid Ref: 507138, 180391

Map Name: Provisional

Map date: **1960**

Scale: 1:10,560

Printed at: 1:10,560

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Surveyed N/A
Revised 1959
Edition N/A
Copyright 1960
Levelled N/A

Surveyed N/A
Revised 1959
Edition N/A
Copyright 1960
Levelled N/A

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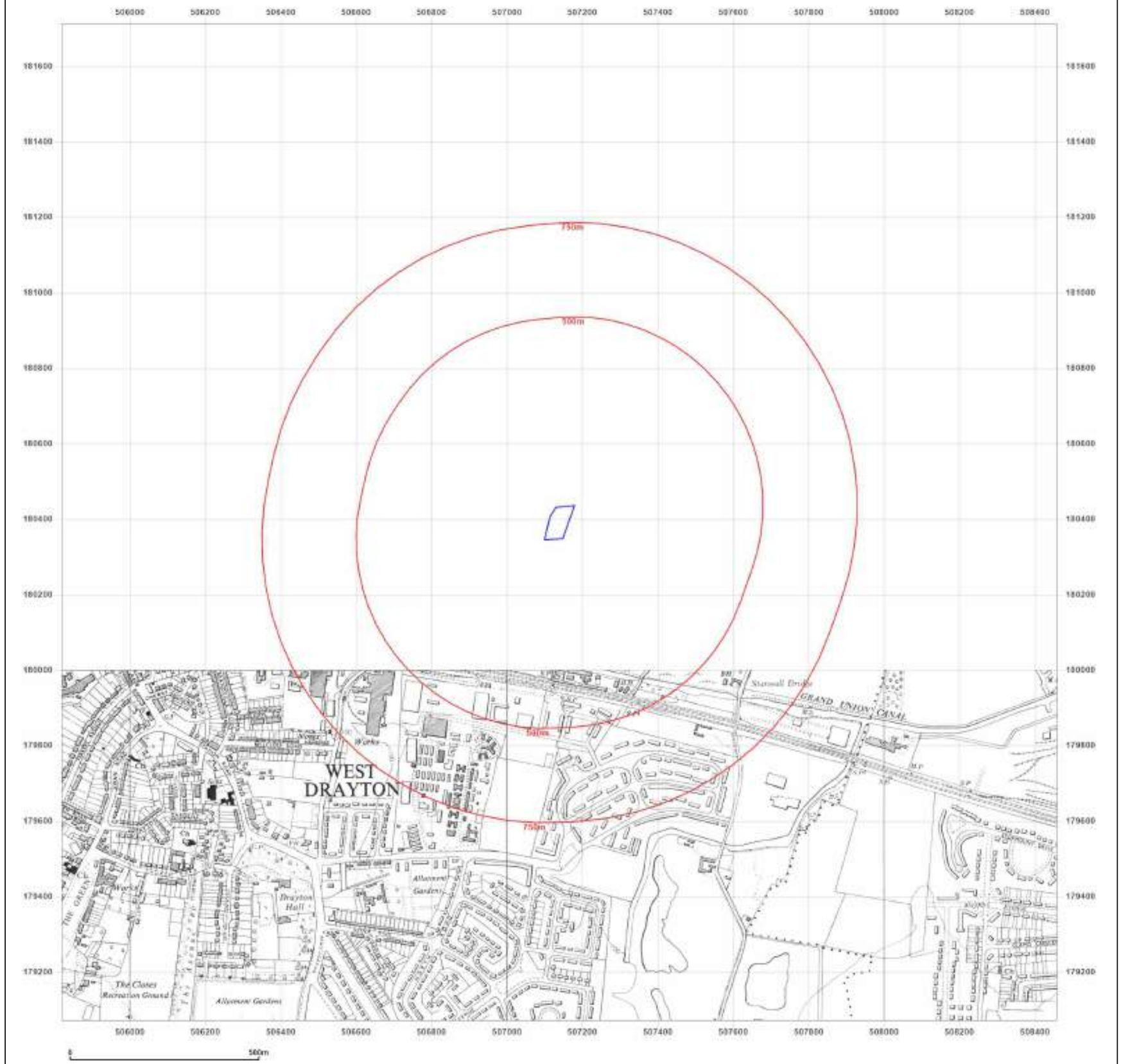
Production date: 20 May 2022

Map legend available at:
www.groundsure.com/sites/default/files/groundsure_legend.pdf



JOMAS ENGINEERING ENVIRONMENTAL

Site Details:

1 BEACHES YARD, HORTON ROAD, YIEWSLEY, WEST DRAYTON, UB7 8HX

Client Ref: P4398JJ2568-1
Report Ref: JOMAS-8765693
Grid Ref: 507138, 180391

Map Name: Provisional

Map date: **1964**

Scale: 1:10,560

Printed at: 1:10,560

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Surveyed N/A
Revised 1964
Edition N/A
Copyright 1960
Levelled N/A

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Production date: 20 May 2022

Map legend available at:
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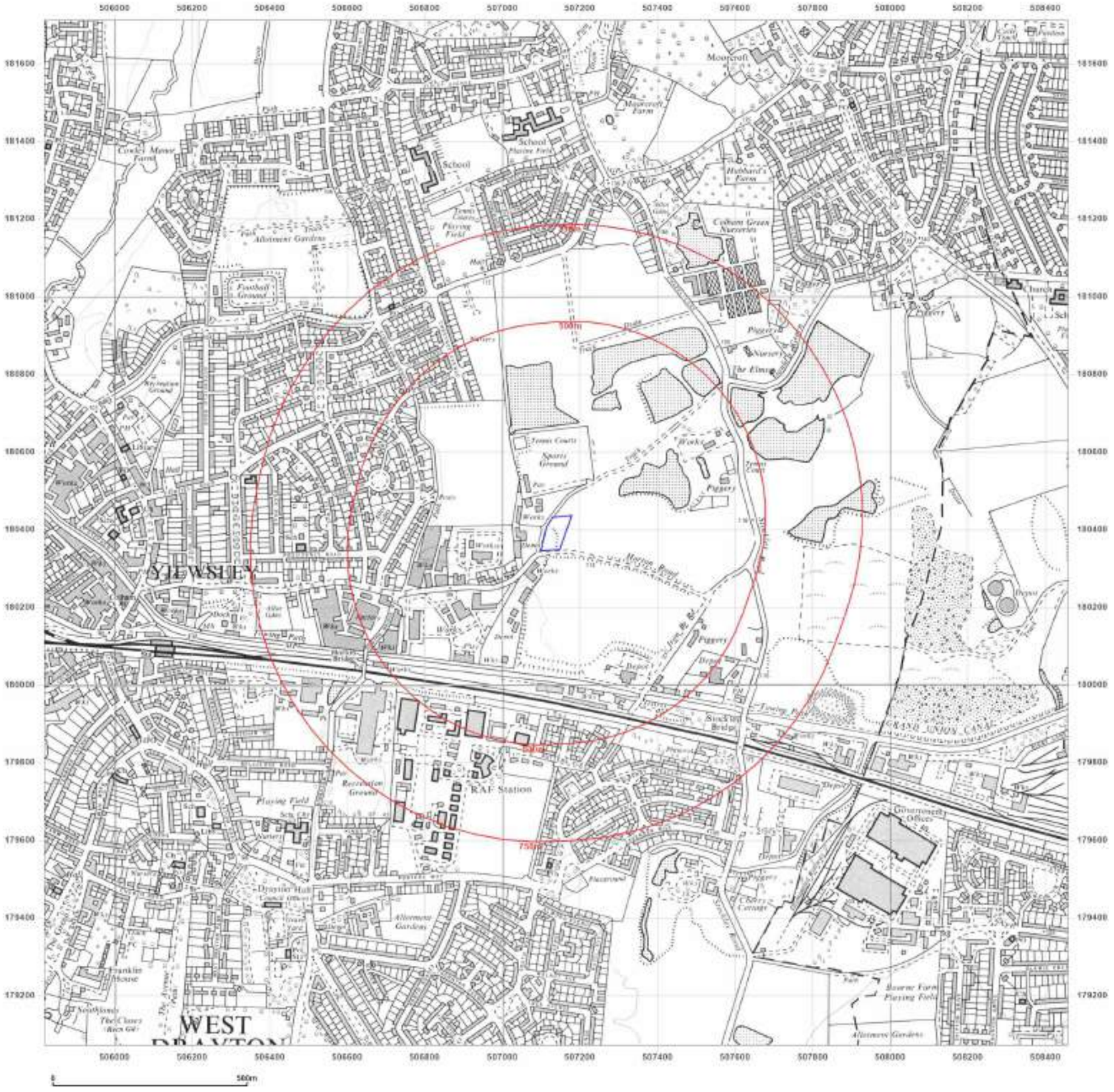

JOMAS ENGINEERING ENVIRONMENTAL

Site Details:

1 BEACHES YARD, HORTON ROAD, YIEWSLEY, WEST DRAYTON, UB7 8HX

Client Ref: P4398JJ2568-1
Report Ref: JOMAS-8765693
Grid Ref: 507138, 180391

Map Name: Provisional

Map date: **1970**

Scale: 1:10,560

Printed at: 1:10,560

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

Surveyed 1968
Revised 1970
Edition N/A
Copyright N/A
Levelled N/A

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JOMAS ENGINEERING ENVIRONMENTAL

Site Details:

1 BEACHES YARD, HORTON ROAD, YIEWSLEY, WEST DRAYTON, UB7 8HX

Client Ref: P4398JJ2568-1
Report Ref: JOMAS-8765693
Grid Ref: 507138, 180391

Map Name: National Grid

Map date: **1974-1975**

Scale: 1:10,000

Printed at: 1:10,000

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Surveyed 1975
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Edition N/A
Copyright 1976
Levelled 1972

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

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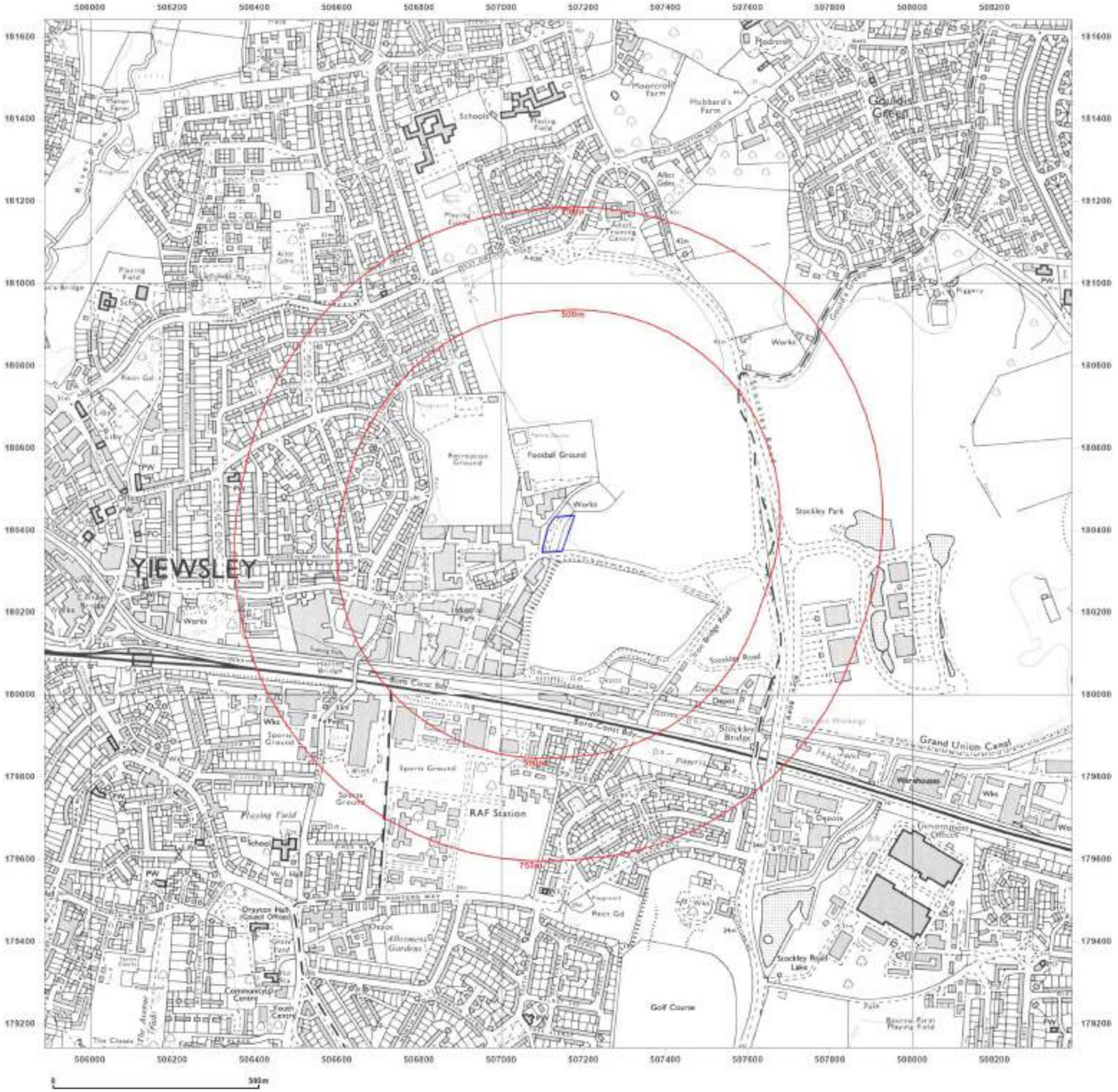

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Site Details:

1 BEACHES YARD, HORTON ROAD, YIEWSLEY, WEST DRAYTON, UB7 8HX

Client Ref: P4398JJ2568-1
Report Ref: JOMAS-8765693
Grid Ref: 507138, 180391

Map Name: National Grid

Map date: **1987-1990**

Scale: 1:10,000

Printed at: 1:10,000

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Surveyed 1988
Revised 1989
Edition N/A
Copyright 1990
Levelled 1972

Surveyed 1982
Revised 1987
Edition N/A
Copyright N/A
Levelled N/A

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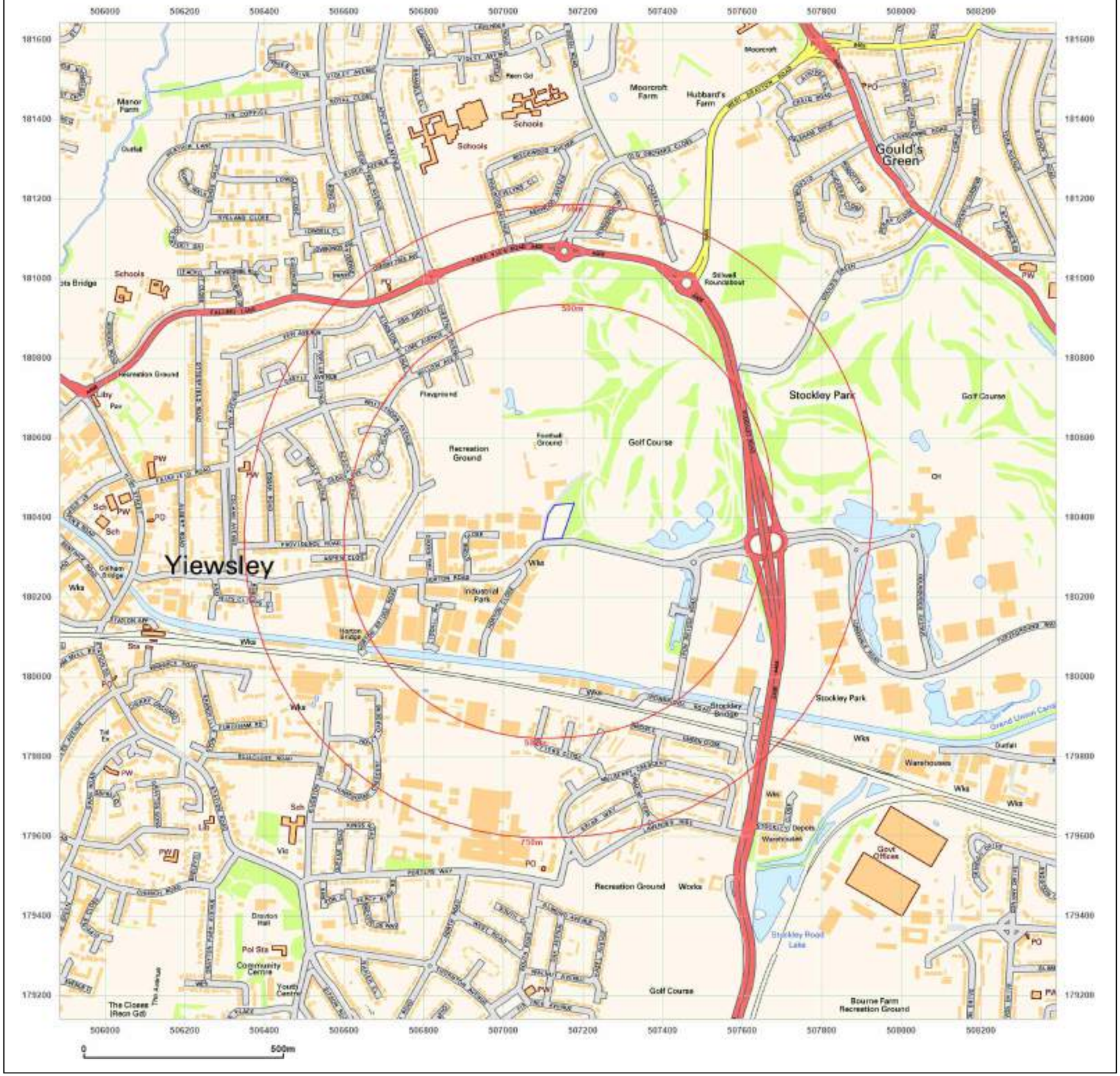

Site Details:

1 BEACHES YARD, HORTON ROAD, YIEWSLEY, WEST DRAYTON, UB7 8HX

Client Ref: P4398JJ2568-1
Report Ref: JOMAS-8765693
Grid Ref: 507138, 180391

Map Name: National Grid

Map date: **2001**

Scale: 1:10,000

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Site Details:

1 BEACHES YARD, HORTON ROAD, YIEWSLEY, WEST DRAYTON, UB7 8HX

Client Ref: P4398JJ2568-1
Report Ref: JOMAS-8765693
Grid Ref: 507138, 180391

Map Name: National Grid

Map date: **2010**

Scale: 1:10,000

Printed at: 1:10,000

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Site Details:

1 BEACHES YARD, HORTON ROAD, YIEWSLEY, WEST DRAYTON, UB7 8HX

Client Ref: P4398JJ2568-1
Report Ref: JOMAS-8765693
Grid Ref: 507138, 180391

Map Name: National Grid

Map date: **2022**

Scale: 1:10,000

Printed at: 1:10,000

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APPENDIX 4 – QUALITATIVE RISK ASSESSMENT METHODOLOGY

QUALITATIVE RISK ASSESSMENT METHODOLOGY

The following Contaminated Land Risk Assessment methodology is based on CIRIA C552 (2001) *Contaminated Land Risk Assessment – A Guide to Good Practice*, in order to quantify potential risk via **risk estimation** and **risk evaluation**, which can be adopted at the Phase I stage. This will then determine an overall risk category which can be used to identify likely actions. This methodology uses qualitative descriptors and therefore is a qualitative approach.

The methodology requires the classification of:

- the magnitude of the **consequence** (severity) of a risk occurring, and
- the magnitude of the **probability** (likelihood) of a risk occurring.

The potential consequences of contamination risks occurring at this site are classified in accordance with Table A4.1 below, which is adapted from the CIRIA guidance.

Table A4.1: Classification of Consequence

Classification	Definition of Consequence
Severe	• Short-term (acute) risks to human health. • Short-term risk of pollution of sensitive water resource or ecosystem. • Catastrophic damage to crops/buildings/property/infrastructure, including off-site soils.
Medium	• Medium/long-term (chronic) risks to human health. • Medium/long-term risk of pollution of sensitive water resource or ecosystem. • Significant damage to crops/buildings/property/infrastructure (on or off-site). • Contamination of off-site soils.
Mild	• Easily preventable, permanent health effects on humans. • Pollution of non-sensitive water resources. • Localised damage to crops/buildings/property/infrastructure (on or off-site).
Minor	• Easily preventable, non-permanent health effects on humans, or no effects. • Minor, low-level and localised contamination of on-site soils. • Easily repairable damage to crops/buildings/property/infrastructure.

The probability of contamination risks occurring at this site will be classified in accordance with Table A4.2 below which is also adapted from the CIRIA guidance. Note that for each category, it is assumed that a pollution linkage exists. Where a pollution linkage does not exist, the likelihood is zero, as is the risk.

Table A4.2: Classification of Probability

Classification	Definition of Probability
High Likelihood	Circumstances are such that an event appears very likely in the short-term or almost inevitable in the long-term; or there is already evidence that such an event has occurred.
Likely	Circumstances are such that such an event is not inevitable, but is possible in the short-term and is likely over the long-term.
Low Likelihood	Circumstances are such that it is by no means certain that an event would occur even over a longer period, and it is less likely in the short-term.
Unlikely	Circumstances are such that it is improbable that an event would occur even in the very long-term.

For each possible pollution linkage (source-pathway-receptor) identified, the potential risk can be evaluated, as presented in Table A3.3. Based upon this, CIRIA C552 presents definitions of the risk categories, together with the investigatory and remedial actions that are likely to be necessary in each case, as in Table A3.4. These risk categories apply to each possible pollutant linkage, and not simply to each hazard/source of contamination or sensitive receptor.

Table A4.3: Overall Contamination Risk Matrix

		Consequence			
		Severe	**Medium**	**Mild**	**Minor**
Probability	**High likelihood**	Very high risk	High risk	Moderate risk	Low risk
	Likely	High risk	Moderate risk	Moderate risk	Low risk
	Low likelihood	Moderate risk	Moderate risk	Low risk	Very low risk
	Unlikely	Low risk	Low risk	Very low risk	Very low risk

Table A4.4: Definition of Risk Categories and Likely Actions Required

Risk Category	Definition and likely actions required
Very high	• Severe harm to a defined receptor is very likely, or has already occurred. • The risk is likely to result in a substantial liability. • Urgent investigation (if not already undertaken) is likely to be required. • Urgent remediation is likely to be required.
High	• Harm to a defined receptor is likely. • The risk, if realised, may result in a substantial liability. • Urgent investigation (if not already undertaken) is likely to be required. • Remediation is likely to be required in the long term, possibly sooner.
Moderate	• Harm to a defined receptor is possible, but severe harm is unlikely. • Investigation is likely to be required to clarify the level of potential liability and risk. • Some remediation may be required in the longer term
Low	• Harm to a defined receptor is possible, but is likely to be mild at worst. • Liabilities could theoretically arise, but are unlikely. • Further investigation is not required at this stage • Remediation is unlikely to be required.
Very low	• Harm to a defined receptor is unlikely, and would be minor at worst. • No liabilities are likely to arise. • Further investigation is not required at this stage • Remediation is very unlikely to be required.

APPENDIX 5 – BGS BOREHOLE RECORDS

NGRC

BOREHOLE RECORDS

ADJUSTMENT FORM

QUARTER SHEET TQ08SE

BH REGISTRATION NUMBER 234 – 261

RECORDS ENTERED AND HELD BY WALLINGFORD

BH REGISTRATION NUMBER(S)

British Geological Survey

Version 2.0.6.6

BGS ID: 576587 : BGS Reference: TQ08SE254
British National Grid (27700) : 507430,180270

Report an issue with this borehole

<< < Prev Page 2 of 3 Next > >>

TQ08	ExR No.	Location	Grid Reference	Copy	SOBI ID	Depth	Date	Aquifer	Data Available G C W Ch NN

Aquifer Key

Code	Translation
	Not Entered
CK	Chalk Group
OFF1	Drift (Undifferentiated)
UNKN	Unknown

G = Geology, C = Construction, W = Water, Ch = Chemistry
U = Unknown, N = None, P = Partial, F = Full, D = Imported Digital Data
(SP) = Spring EX = Exeter, KW = Keyworth, MH = Edinburgh

Version 2.0.6.6

BGS ID: 576587 : BGS Reference: TQ08SE254
British National Grid (27700) : 507430,180270

Report an issue with this borehole

MARY/FOR YOUR RECORDS

ALAN

LSS

SOUTHERN LS Thames OR.

STOCKLEY PARK

TQ08/120 TQ08SE

Owner: STOCKLEY PARK CONSORTIUM.

Licence No.

IGS Well No.

Nat. Grid Ref: TQ 0743 8027

Status: LIC.

Aquifer: UPPER CHALK

Ground Level	m OD		ft. OD
Level of Well Top	m OD		ft. OD
Rest Water Level	8.16	m bwt	ft. bwt
(Date 10/4/90)	m OD		ft. OD

Construction

Depth (m)	Dia. (mm)	Linings (below well top) From	To (m)	Dia. (mm)	Type
6	300	0	18	200	plain
72	275	18	72	200	plain
95.5	195				

Summary of Geological Section	Thickness (m)	Depth (m)
Top soil	0.15	0.15
River Terrace Gravel/Clay	3.25	4.40
London Clay	37.10	41.50
WRB "	22.90	64.40
UPPER CHALK	31.10	95.50

Abstraction Rates: 7l/s for 8 hours with 6.92m drawdown

Type of Pump: air 20m

Chem. (Bact. Anal.) FES WD

Well Driller: FES

If insufficient space has been allowed, continue in "Notes" overleaf. FES

ENVIRONMENT AGENCY

JOMAS ENGINEERING ENVIRONMENTAL

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Geotechnical Engineering and Environmental Services across the UK.

JOMAS ASSOCIATES LTD

6-9 The Square

Stockley Park

Uxbridge

UB11 1FW

CONTACT US

Website: www.jomasassociates.com

Tel: 0843-289-2187

Fax: 0872-115-4505

Email: info@jomasassociates.com