1.3 Bedrock, Solid Geology & Faults

The following geological information represented on the mapping is derived from 1:50,000 scale BGS Geological mapping, Sheet No:256

1.3.1 Bedrock/ Solid Geology

Records of Bedrock/ Solid Geology within 500m of the study site boundary:

ID	Distance (m)	Direction	LEX Code	Description	Rock Age
1	0.0	On Site	LC-CLSISA	London Clay Formation - Clay, Silt And Sand	No Details

1.3.2 Permeability of Bedrock Ground

Are there any records relating to permeability of bedrock ground within the study site* boundary? Yes

Distance (m)	Direction	Flow Type	Maximum Permeability	Minimum Permeability
0.0	On Site	Mixed	Moderate	Very Low

1.3.3 Faults

Are there any records of Faults within 500m of the study site boundary? No

Database searched and no data found.

The geology map for the site and surrounding area are extracted from the BGS Digital Geological Map of Great Britain at 1:50,000 scale.

This Geology shows the main components as discrete layers, these are: Bedrock/ Solid Geology and linear features such as Faults. These are all displayed with the BGS Lexicon code for the rock unit and BGS sheet number. Not all of the main geological components have nationwide coverage.

* This includes an automatically generated 50m buffer zone around the site

1.4 Radon Data

1.4.1 Radon Affected Areas

Is the property in a Radon Affected Area as defined by the Health Protection Agency (HPA) and if so what percentage of homes are above the Action Level? The property is not in a Radon Affected Area, as less than 1% of properties are above the Action Level

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1.4.2 Radon Protection

Is the property in an area where Radon Protection are required for new properties or extensions to existing ones as described in publication BR211 by the Building Research Establishment? No radon protective measures are necessary

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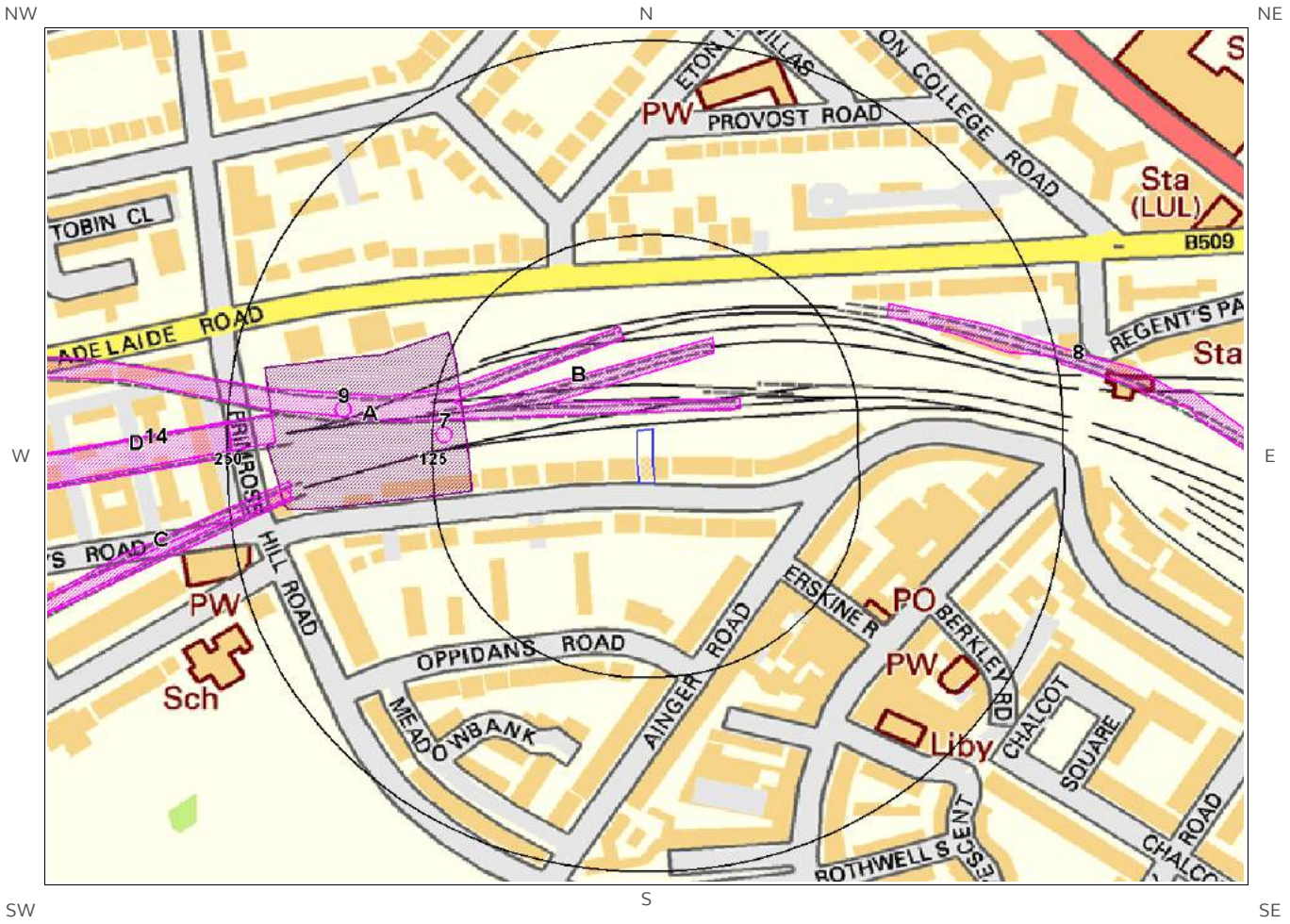
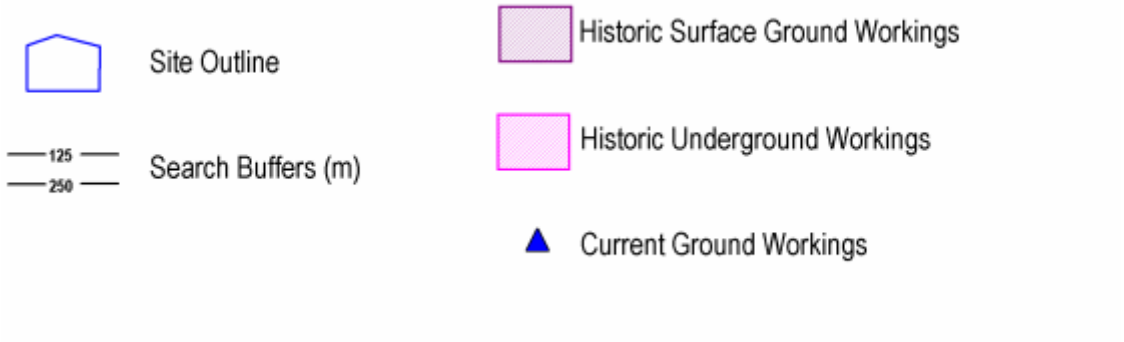
2 Ground Workings Map



Ground Workings Legend



2 Ground Workings

2.1 Historical Surface Ground Working Features derived from Historical Mapping

This dataset is based on Groundsure's unique Historical Land Use Database derived from 1:10,560 and 1:10,000 scale historical mapping.

Are there any Historical Surface Ground Working Features within 250m of the study site boundary? Yes

The following Historical Surface Ground Working Features are provided by Groundsure:

ID	Distance (m)	Direction	NGR	Use	Date
1A	102.0	W	527604 184280	Cuttings	1968
2A	102.0	W	527604 184280	Cuttings	1957

2.2 Historical Underground Working Features derived from Historical Mapping

This data is derived from the Groundsure unique Historical Land Use Database. It contains data derived from 1:10,000 and 1:10,560 historical Ordnance Survey Mapping and includes some natural topographical features (Shake Holes for example) as well as manmade features that may have implications for ground stability. Underground and mining features have been identified from surface features such as shafts. The distance that these extend underground is not shown.

Are there any Historical Underground Working Features within 1000m of the study site boundary? Yes

The following Historical Underground Working Features are provided by Groundsure:

ID	Distance (m)	Direction	NGR	Use	Date
3B	11.0	N	526978 184220	Tunnel	1957
4B	11.0	N	526978 184220	Tunnel	1973
5B	11.0	N	526978 184220	Tunnel	1989
6B	11.0	N	526978 184220	Tunnel	1968
7	113.0	W	527650 184271	Air Shafts	1989
8	160.0	NE	528256 184173	Tunnel	1989
9	175.0	W	527589 184287	Air Shafts	1989
10C	211.0	W	527362 184138	Tunnel	1973

ID	Distance (m)	Direction	NGR	Use	Date
11C	211.0	W	527362 184138	Tunnel	1968
12C	211.0	W	527362 184138	Tunnel	1989
13C	212.0	W	527368 184142	Tunnels	1957
14	221.0	W	527028 184182	Tunnels	1957
15D	247.0	W	527018 184178	Tunnel	1989
16D	247.0	W	527018 184178	Tunnel	1973
17D	247.0	W	527018 184178	Tunnel	1968
Not shown	623.0	W	527162 184082	Air Shaft	1894
Not shown	630.0	W	527156 184083	Air Shaft	1957
Not shown	630.0	W	527156 184083	Air Shaft	1968
Not shown	630.0	W	527156 184083	Air Shaft	1989
Not shown	630.0	W	527156 184083	Air Shaft	1973
Not shown	630.0	W	527156 184083	Air Shaft	1940
Not shown	779.0	W	526989 184174	Air Shaft	1940
Not shown	989.0	N	527203 185151	Tunnel	1974
Not shown	989.0	N	527203 185151	Tunnel	1995
Not shown	989.0	N	527203 185151	Tunnel	1958
Not shown	989.0	N	527203 185151	Tunnel	1965
Not shown	989.0	N	526842 185044	Tunnel	1866
Not shown	991.0	SE	528658 183631	Tunnel	1938
Not shown	991.0	SE	528658 183631	Tunnel	1914
Not shown	994.0	SE	528651 183636	Tunnel	1968
Not shown	994.0	SE	528651 183636	Tunnel	1940
Not shown	994.0	SE	528651 183636	Tunnel	1957
Not shown	998.0	SE	528642 183634	Tunnel	1989
Not shown	998.0	SE	528642 183634	Tunnel	1973

2.3 Current Ground Workings

This dataset is derived from the BGS BRITPITS database covering active; inactive mines; quarries; oil wells; gas wells and mineral wharves; and rail deposits throughout the British Isles.

Are there any BGS Current Ground Workings within 1000m of the study site boundary? No

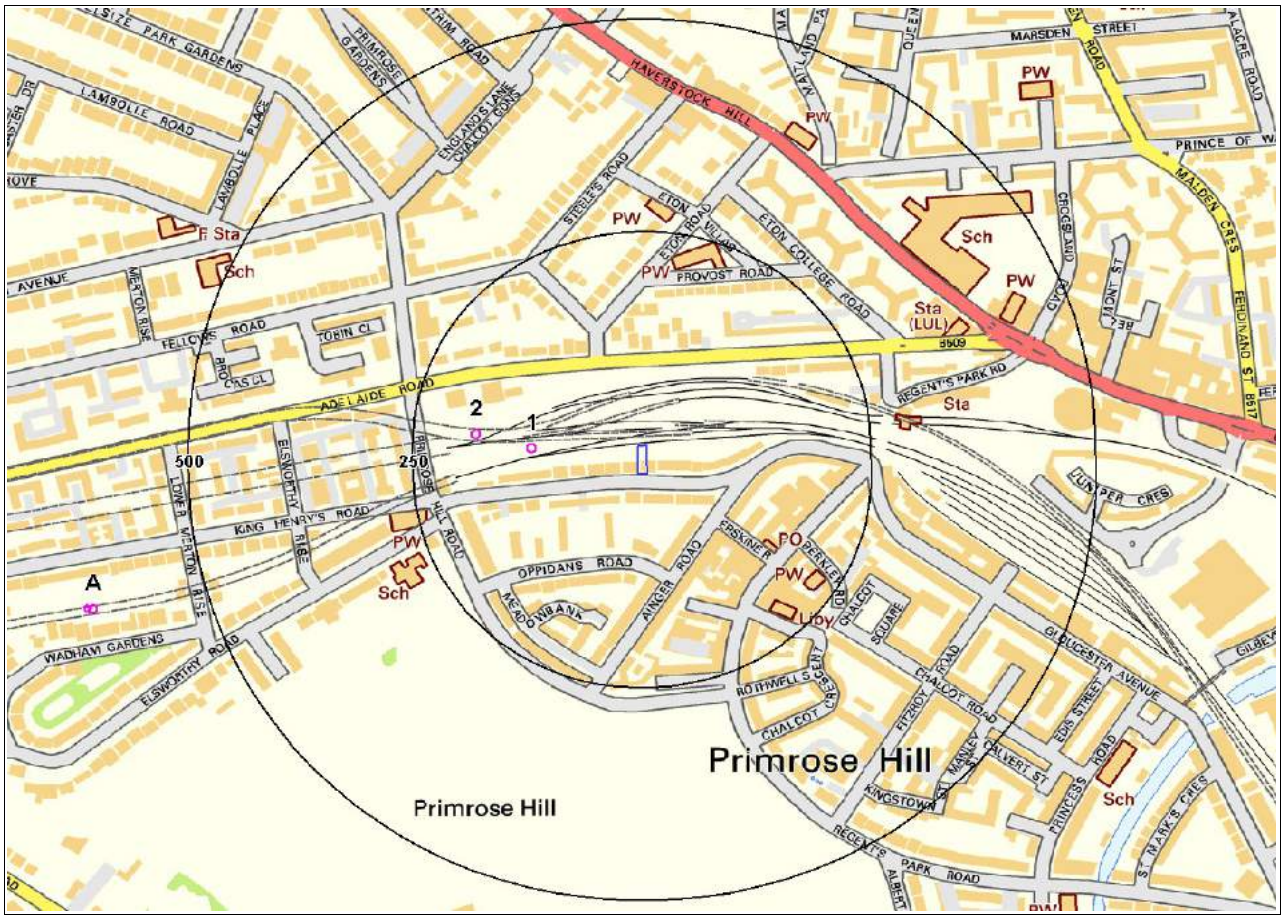
Database searched and no data found.

3 Mining, Extraction & Natural Cavities Map

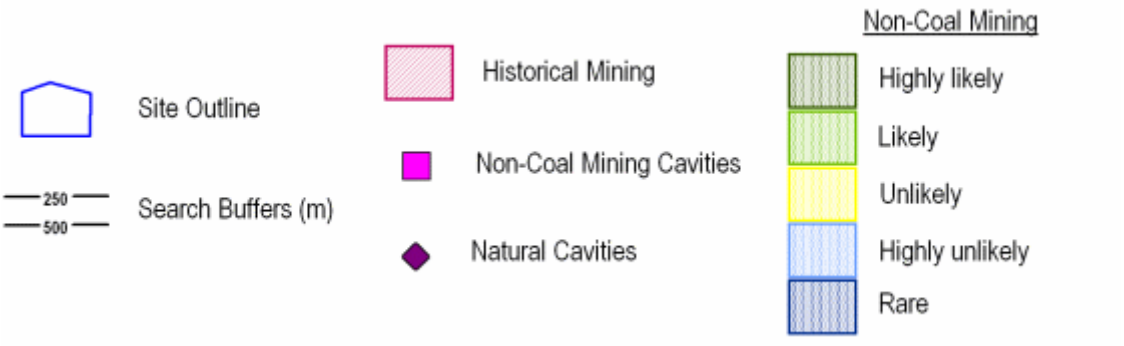
NW N NE

W E

SW S SE



Mining, Extraction and Natural Cavities Legend



3 Mining, Extraction & Natural Cavities

3.1 Historical Mining

This dataset is derived from Groundsure unique Historical Land-use Database that are indicative of mining or extraction activities.

Are there any Historical Mining areas within 1000m of the study site boundary? Yes

The following Historical Mining information is provided by Groundsure:

ID	Distance (m)	Direction	NGR	Details	Date
1	113.0	W	527650 184271	Air Shafts	1989
2	175.0	W	527589 184287	Air Shafts	1989
3A	623.0	W	527162 184082	Air Shaft	1894
4A	630.0	W	527156 184083	Air Shaft	1973
5A	630.0	W	527156 184083	Air Shaft	1968
6A	630.0	W	527156 184083	Air Shaft	1989
7A	630.0	W	527156 184083	Air Shaft	1957
8A	630.0	W	527156 184083	Air Shaft	1940
Not shown	779.0	W	526989 184174	Air Shaft	1940

3.2 Coal Mining

This dataset provides information as to whether the study site lies within a known coal mining affected area as defined by the coal authority.

Are there any Coal Mining areas within 1000m of the study site boundary? No

Database searched and no data found.

3.3 Johnson Poole and Bloomer

This dataset provides information as to whether the study site lies within an area where JPB hold information relating to mining.

Are there any JPB Mining areas within 1000m of the study site boundary? No

The following information provided by JPB is not represented on mapping: Database searched and no data found.

3.4 Non-Coal Mining

This dataset provides information as to whether the study site lies within an area which may have been subject to non-coal historic mining.

Are there any Non-Coal Mining areas within 1000m of the study site boundary? No

Database searched and no data found.

3.5 Non-Coal Mining Cavities

This dataset provides information from the Peter Brett Associates (PBA) mining cavities database (compiled for the national study entitled “Review of mining instability in Great Britain, 1990” PBA has also continued adding to this database) on mineral extraction by mining.

Are there any Non-Coal Mining cavities within 1000m of the study site boundary? No

Database searched and no data found.

3.6 Natural Cavities

This dataset provides information based on Peter Brett Associates natural cavities database.

Are there any Natural Cavities within 1000m of the study site boundary? No

Database searched and no data found.

3.7 Brine Extraction

This data provides information from the Coal Authority issued on behalf of the Cheshire Brine Subsidence Compensation Board.

Are there any Brine Extraction areas within 1000m of the study site boundary? No

Database searched and no data found.

3.8 Gypsum Extraction

This dataset provides information on Gypsum extraction from British Gypsum records.

Are there any Gypsum Extraction areas within 1000m of the study site boundary? No

Database searched and no data found.

3.9 Tin Mining

This dataset provides information on tin mining areas and is derived from tin mining records. This search is based upon postcode information to a sector level.

Are there any Tin Mining areas within 1000m of the study site boundary? No

Database searched and no data found.

3.10 Clay Mining

This dataset provides information on Kaolin and Ball Clay mining from relevant mining records.

Are there any Clay Mining areas within 1000m of the study site boundary? No

Database searched and no data found.

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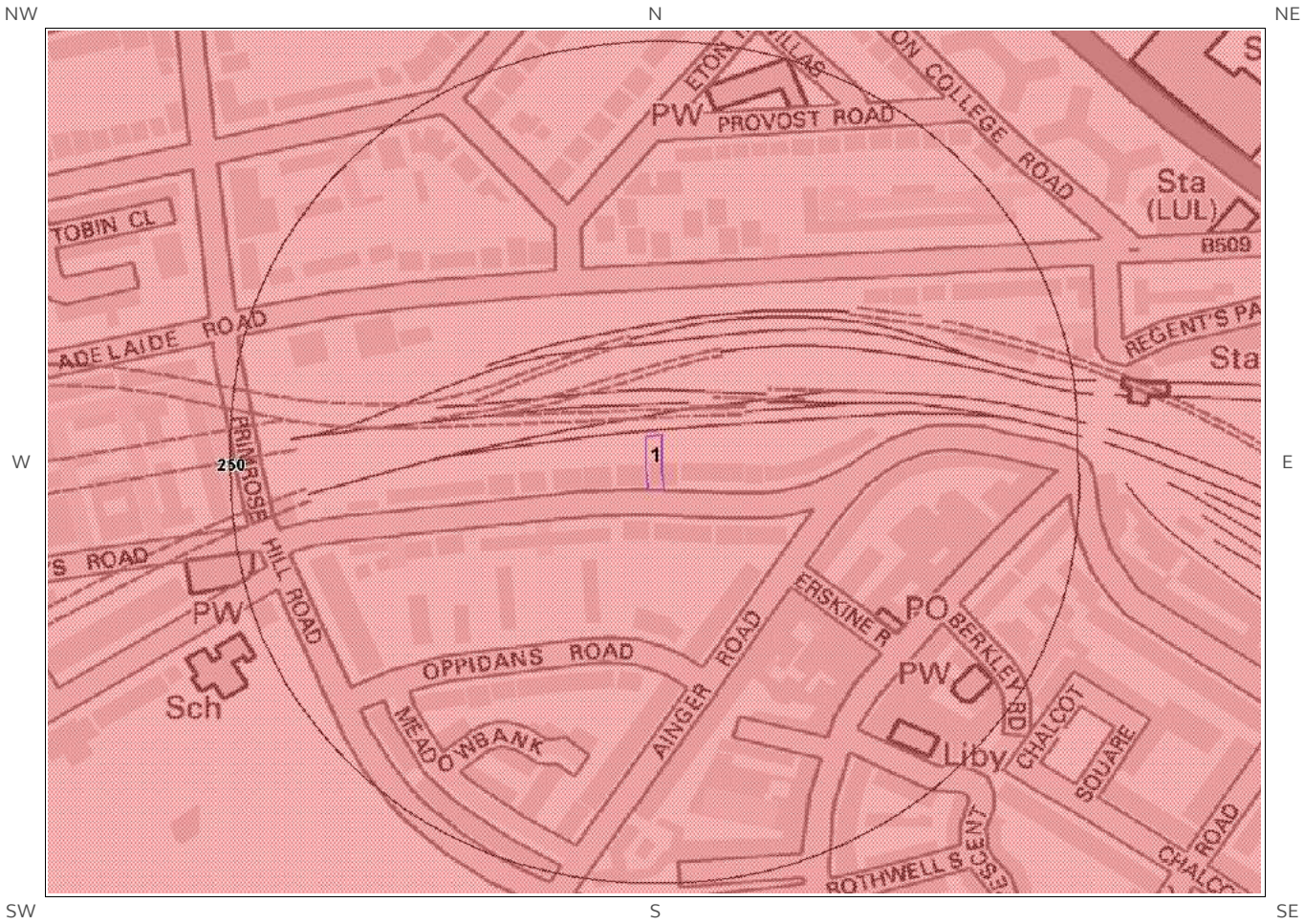
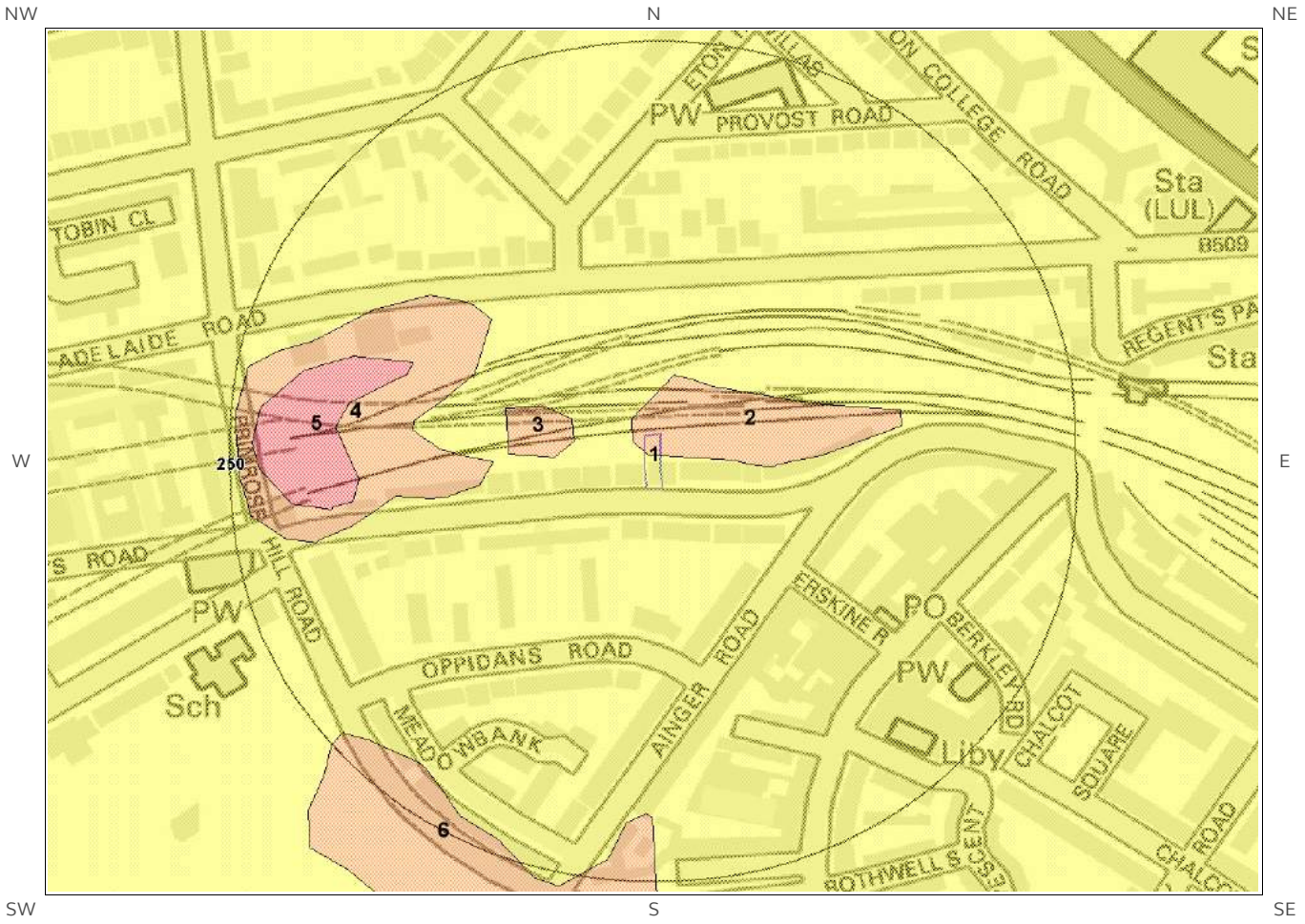
4 Natural Ground Subsidence

4.1 Shrink-Swell Clay Map



Shrink Swell Clay Legend

4.2 Landslides Map



Landslides Legend

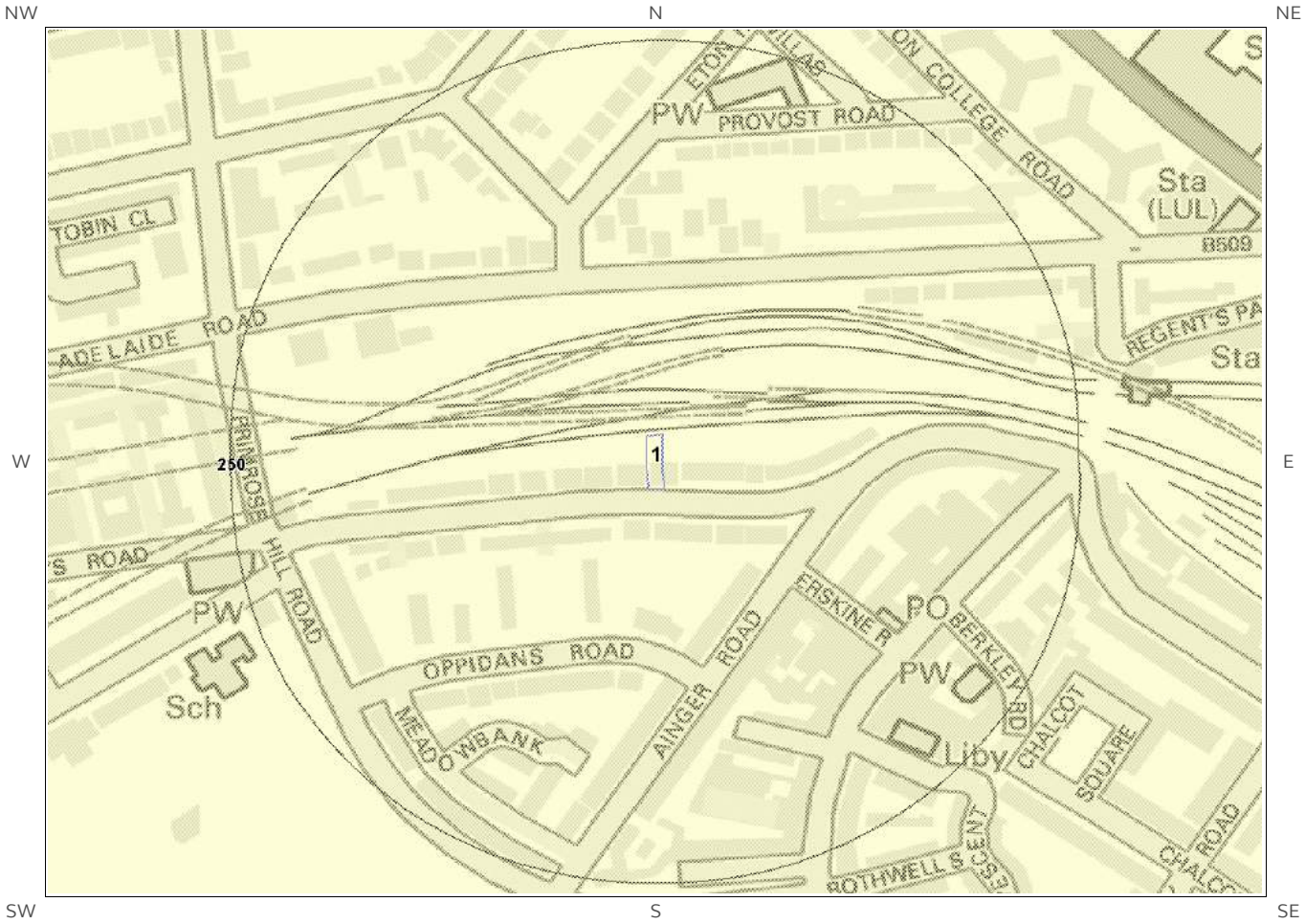
Site Outline

125
250
Search Buffers (m)

No Data / Null
Negligible
Very Low

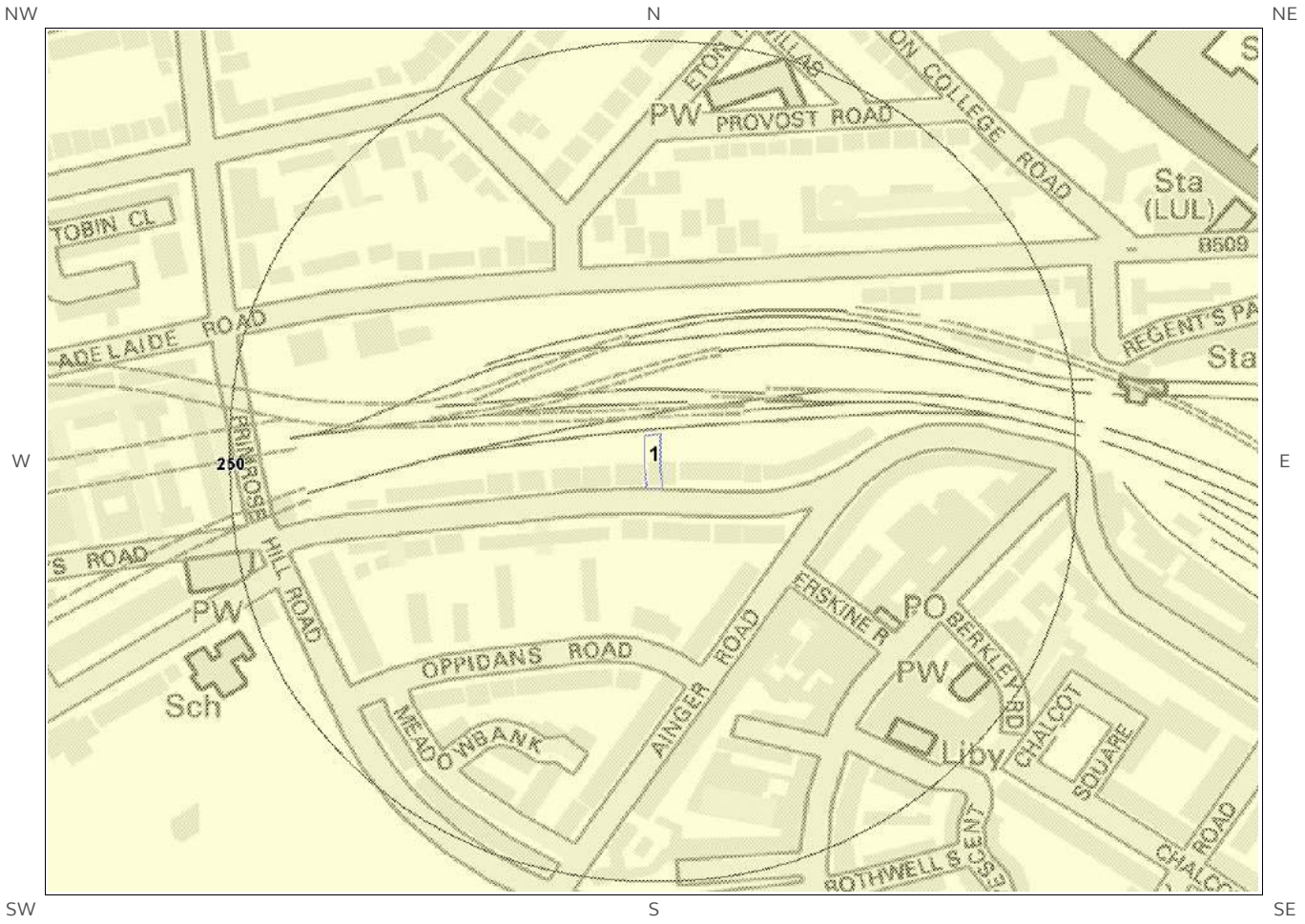
Low
Moderate
High

4.3 Ground Dissolution Soluble Rocks Map



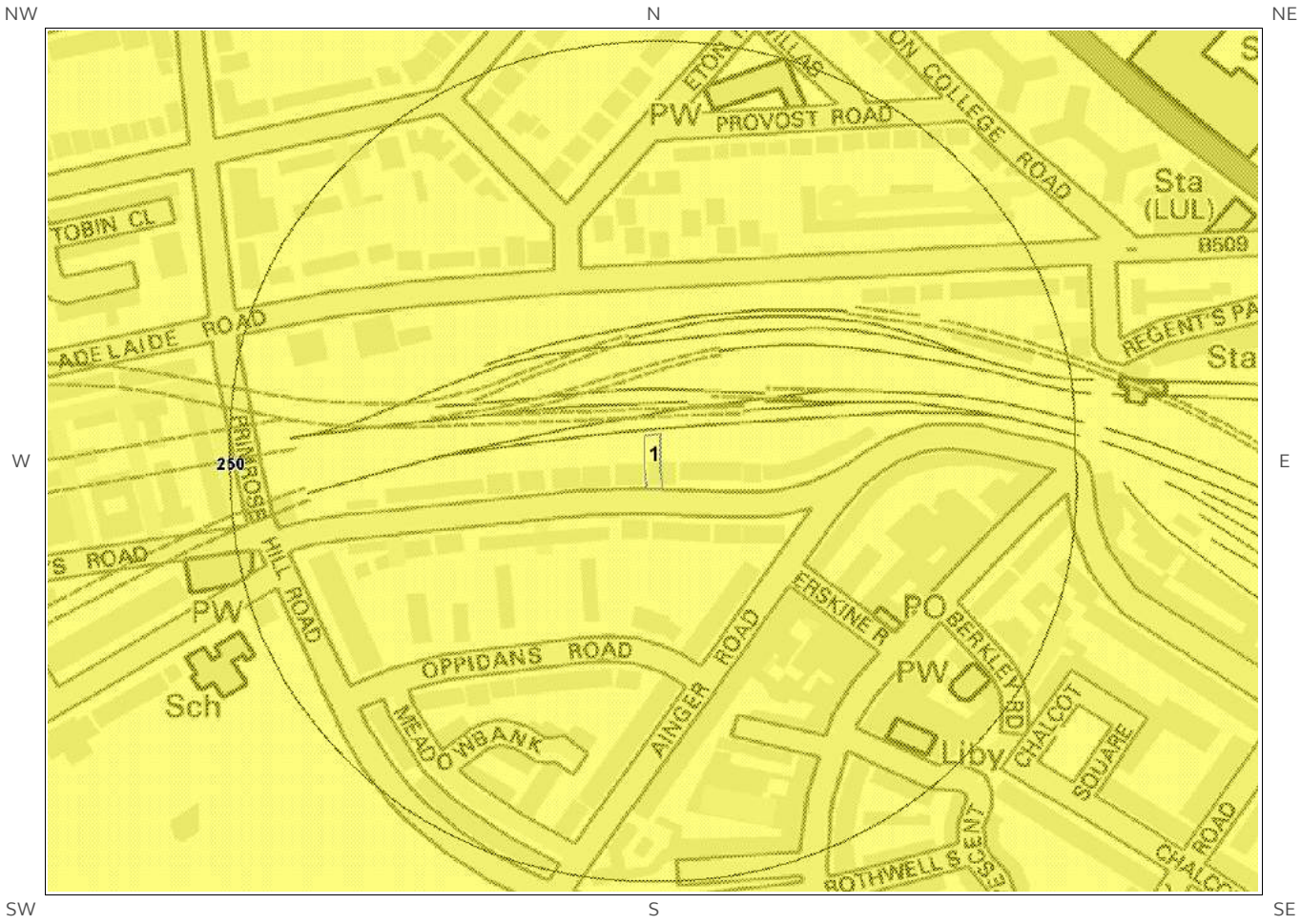
Ground Dissolution Soluble Rocks Legend

4.4 Compressible Deposits Map



Compressible Deposits Legend

4.5 Collapsible Deposits Map



Collapsible Deposits Legend

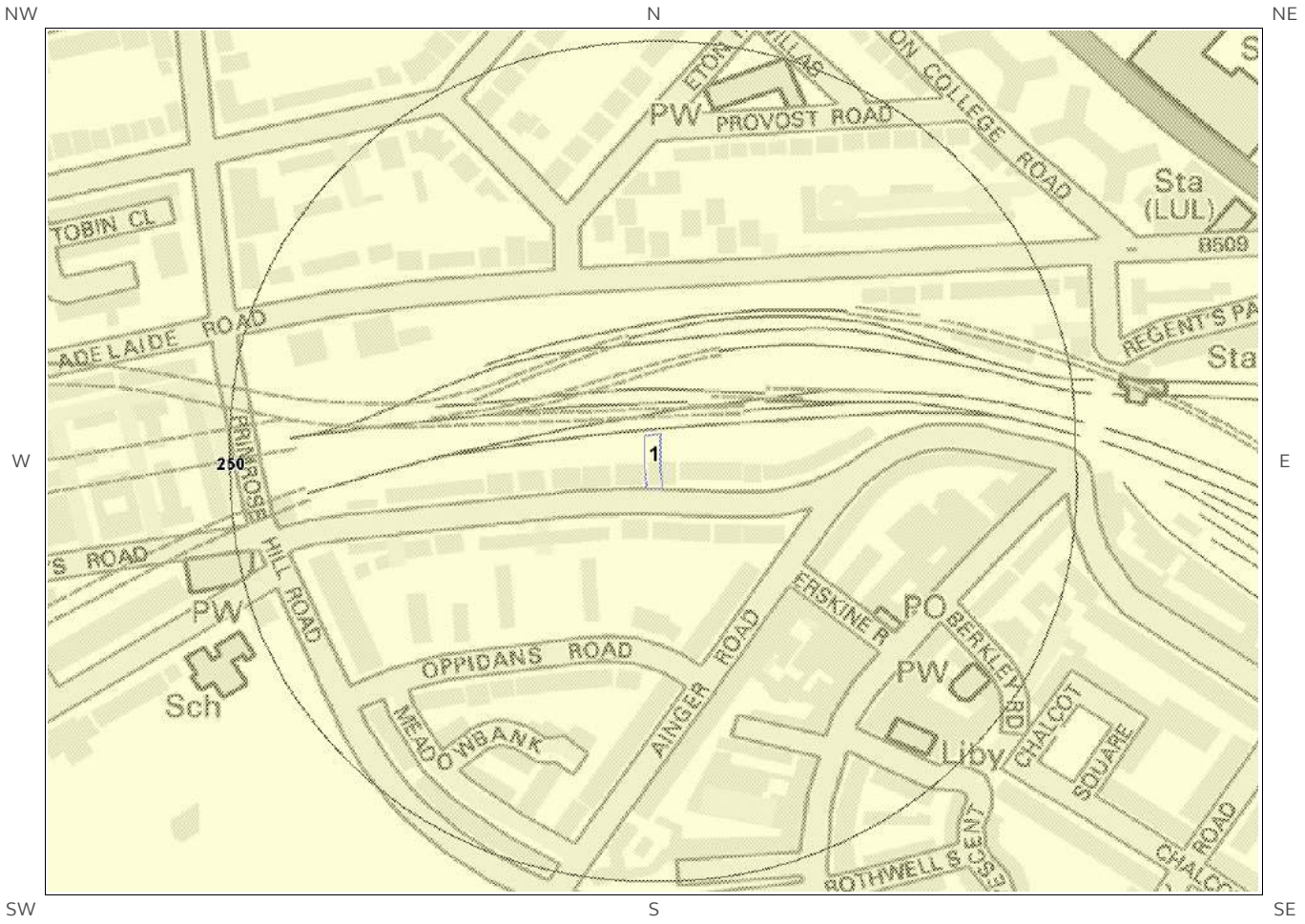
Site Outline

125
250
Search Buffers (m)

No Data / Null
Negligible
Very Low

Low
Moderate
High

4.6 Running Sand Map



Running Sand Legend

4 Natural Ground Subsidence

The National Ground Subsidence rating is obtained through the 6 natural ground stability hazard datasets, which are supplied by the British Geological Survey (BGS).

The following GeoSure data represented on the mapping is derived from the BGS Digital Geological map of Great Britain at 1:50,000 scale.

What is the maximum hazard rating of natural subsidence within the study site** boundary? Moderate

4.1 Shrink-Swell Clays

The following Shrink Swell information provided by the British Geological Survey:

ID	Distance (m)	Direction	Hazard Rating	Details
1	0.0	On Site	Moderate	Ground conditions predominantly high plasticity. Do not plant or remove trees or shrubs near to buildings without expert advice about their effect and management. For new build, consideration should be given to advice published by the National House Building Council (NHBC) and the Building Research Establishment (BRE). There is a probable increase in construction cost to reduce potential shrink-swell problems. For existing property, there is a probable increase in insurance risk during droughts or where vegetation with high moisture demands is present.

4.2 Landslides

The following Landslides information provided by the British Geological Survey:

ID	Distance (m)	Direction	Hazard Rating	Details
1	0.0	On Site	Very Low	Slope instability problems are unlikely to be present. No special actions required to avoid problems due to landslides. No special ground investigation required, and increased construction costs or increased financial risks are unlikely due to potential problems with landslides.
2	0.0	On Site	Low	Possibility of slope instability problems after major changes in ground conditions. Consideration should be given to stability if changes to the ground, such as drainage or excavations, take place. Possible increase in construction cost to reduce potential slope stability problems. For existing property, no significant increase in insurance risk due to natural slope instability problems.
3	43.0	W	Low	Possibility of slope instability problems after major changes in ground conditions. Consideration should be given to stability if changes to the ground, such as drainage or excavations, take place. Possible increase in construction cost to reduce potential slope stability problems. For existing property, no significant increase in insurance risk due to natural slope instability problems.

* This includes an automatically generated 50m buffer zone around the site

4.3 Ground Dissolution of Soluble Rocks

The following Ground Dissolution information provided by the British Geological Survey:

ID	Distance (m)	Direction	Hazard Rating	Details
1	0.0	On Site	Negligible	Soluble rocks are present, but unlikely to cause problems except under exceptional conditions. No special actions required to avoid problems due to soluble rocks. No special ground investigation required, and increased construction costs or increased financial risks are unlikely due to potential problems with soluble rocks.

4.4 Compressible Deposits

The following Compressible Deposits information provided by the British Geological Survey:

ID	Distance (m)	Direction	Hazard Rating	Details
1	0.0	On Site	Negligible	No indicators for compressible ground identified. No special actions required to avoid problems due to compressible ground. No special ground investigation required, and increased construction costs or increased financial risks are unlikely due to potential problems with compressible ground.

4.5 Collapsible Deposits

The following Collapsible Rocks information provided by the British Geological Survey:

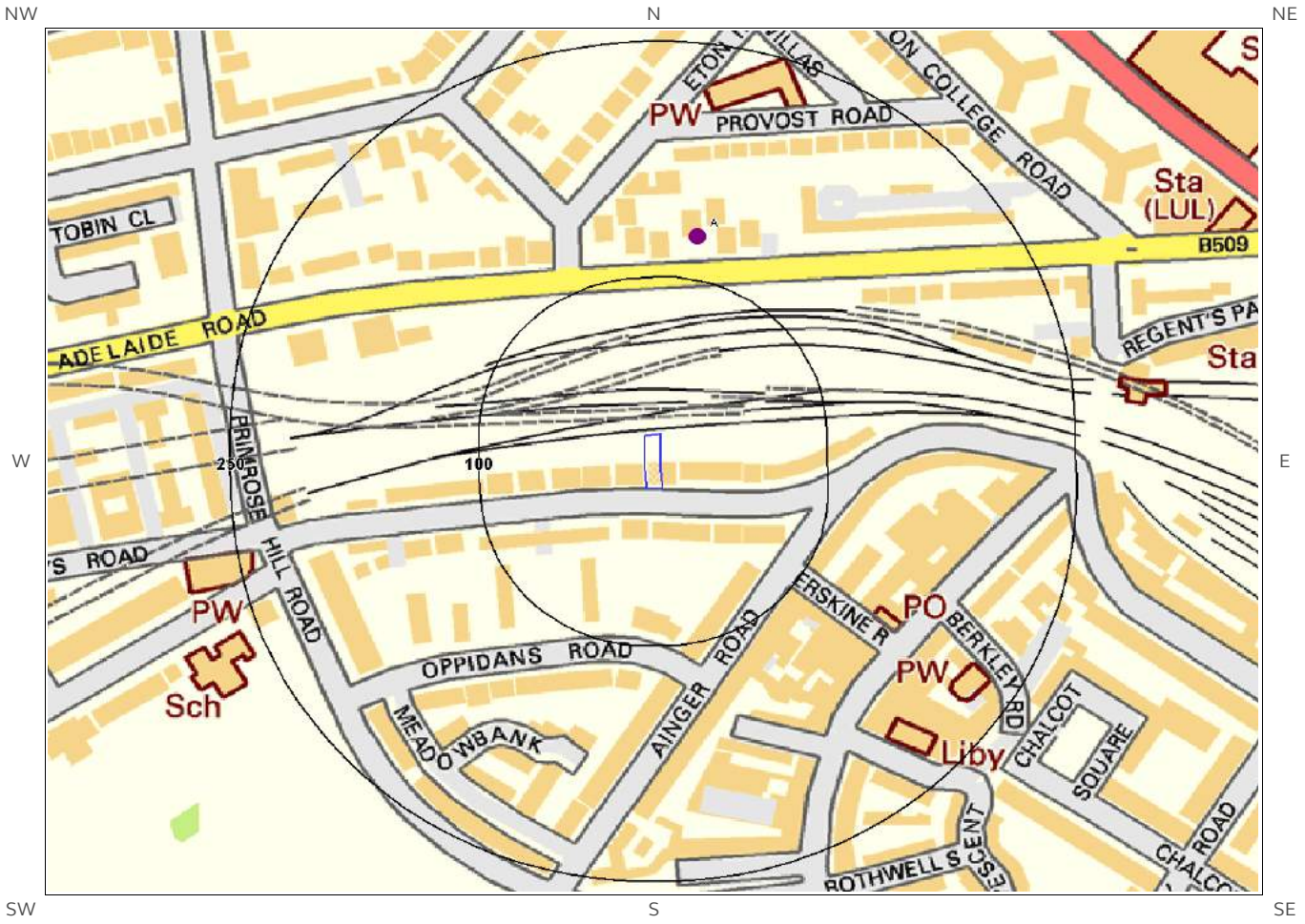
ID	Distance (m)	Direction	Hazard Rating	Details
1	0.0	On Site	Very Low	Deposits with potential to collapse when loaded and saturated are unlikely to be present. No special ground investigation required or increased construction costs or increased financial risk due to potential problems with collapsible deposits.

4.6 Running Sands

The following Running Sands information provided by the British Geological Survey:

ID	Distance (m)	Direction	Hazard Rating	Details
1	0.0	On Site	Negligible	No indicators for running sand identified. No special actions required to avoid problems due to running sand. No special ground investigation required, and increased construction costs or increased financial risks are unlikely due to potential problems with running sand.

5 Borehole Records Map



Borehole Records Legend

Site Outline

Borehole Locations

125
250
Search Buffers (m)

5 Borehole Records

The systematic analysis of data extracted from the BGS Borehole Records database provides the following information.

Records of boreholes within 250m of the study site boundary: 2

ID	Distance (m)	Direction	NGR	BGS Reference	Drilled Length	Borehole Name
1A	127.0	N	527800 184400	TQ28SE497/A-G	-1.0	ADELAIDE ROAD CAMDEN
2A	127.0	N	527800 184400	TQ28SE497/C	20.0	ADELAIDE RD.CAMDEN

The borehole records are available using the hyperlinks below: Please note that if the donor of the borehole record has requested the information be held as commercial-in-confidence, the additional data will be held separately by the BGS and a formal request must be made for its release.

#1A: scans.bgs.ac.uk/sobi_scans/boreholes/592042
#2A: scans.bgs.ac.uk/sobi_scans/boreholes/592041

6 Estimated Background Soil Chemistry

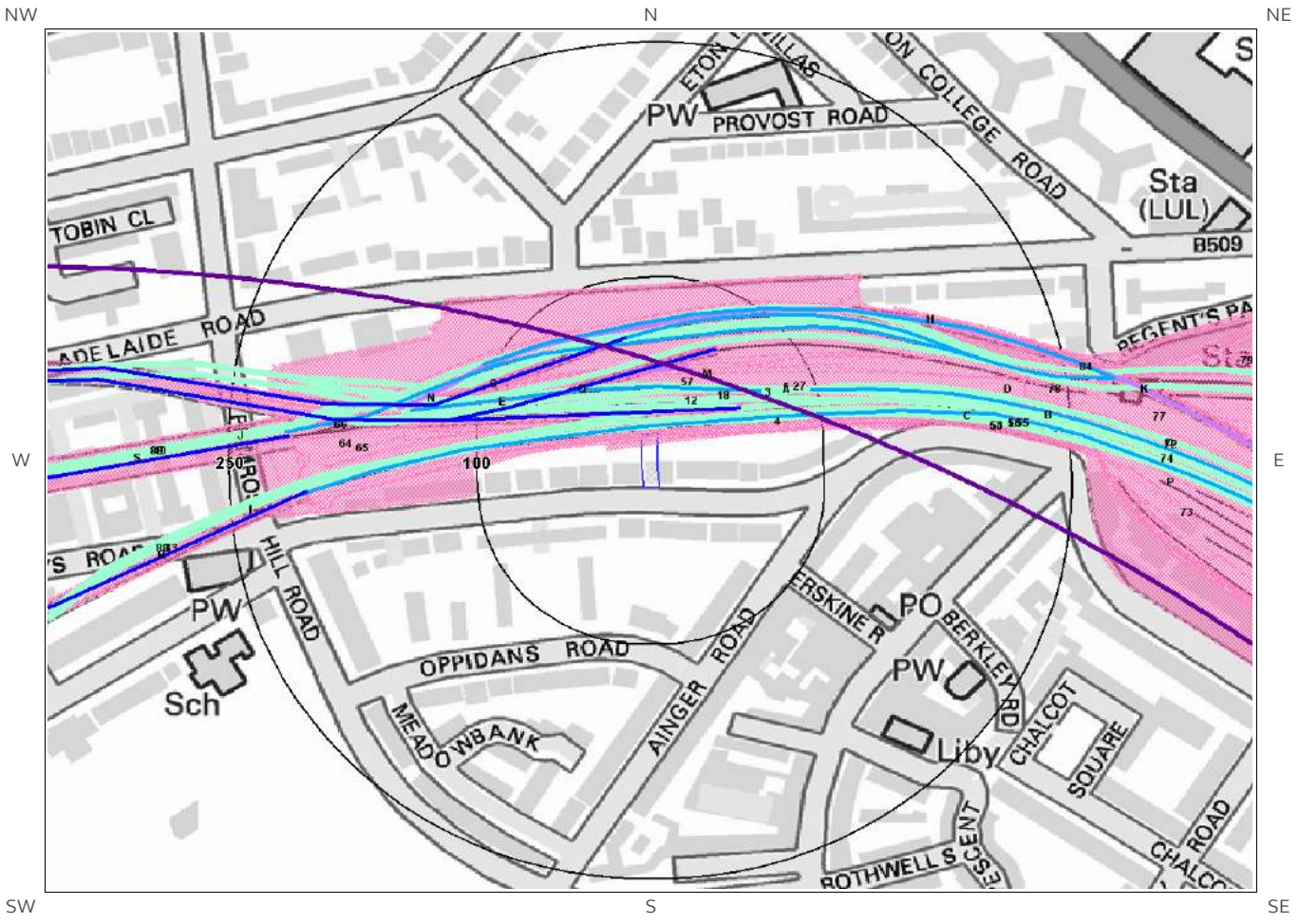
Records of background estimated soil chemistry within 250m of the study site boundary: 5

For further information on how this data is calculated and limitations upon its use, please see the Groundsure Geo Insight User Guide, available on request.

Distance (m)	Direction	Sample Type	Arsenic (As)	Cadmium (Cd)	Chromium (Cr)	Nickel (Ni)	Lead (Pb)
0.0	On Site	London	No data	No data	No data	No data	No data
221.0	E	London	No data	No data	No data	No data	No data
225.0	N	London	No data	No data	No data	No data	No data
240.0	S	London	No data	No data	No data	No data	No data
240.0	S	London	No data	No data	No data	No data	No data

*As this data is based upon underlying 1:50,000 scale geological information, a 50m buffer has been added to the search radius.

7 Railways and Tunnels Map



Railways and Tunnels Legend

- Site Outline
- Search Buffers (m): 250, 500
- Underground or Partially Underground Railway / Subway System
- Railway Tunnel (OS Mapping)
- Abandoned or Dismantled Railway (OpenStreetMap)
- Railway Track (OS Mapping)
- Railway Track (OpenStreetMap)
- High Speed 2
- High Speed 2 Revised Proposed Route
- Crossrail 1
- Railway and/or Tunnel Feature from Historical Mapping

7 Railways and Tunnels

7.1 Tunnels

This data is derived from OpenStreetMap and provides information on the possible locations of underground railway systems in the UK - the London Underground, the Tyne & Wear Metro and the Glasgow Subway.

Have any underground railway lines been identified within the study site boundary? No

Have any underground railway lines been identified within 250m of the study site boundary? No

Database searched and no data found.

Any records that have been identified are represented on the Railways and Tunnels Map.

This data is derived from Ordnance Survey mapping and provides information on the possible locations of railway tunnels forming part of the UK overground railway network.

Have any other railway tunnels been identified within the site boundary? No

Have any other railway tunnels been identified within 250m of the site boundary? Yes

Distance (m)	Direction	Detail
13	N	Railway Tunnel
39	N	Railway Tunnel
62	N	Railway Tunnel
83	W	Railway Tunnel
118	W	Railway Tunnel
128	W	Railway Tunnel
203	W	Railway Tunnel
213	W	Railway Tunnel

Any records that have been identified are represented on the Railways and Tunnels Map.

7.2 Historical Railway and Tunnel Features

This data is derived from Groundsure's unique Historical Land-use Database and contains features relating to tunnels, railway tracks or associated works that have been identified from historical Ordnance Survey mapping.

Have any historical railway or tunnel features been identified within the study site boundary? Yes

Have any historical railway or tunnel features been identified within 250m of the study site boundary? Yes

ID	Distance (m)	Direction	NGR	Details	Date
1A	0	On Site	528395 184032	Railway Sidings	1973
2A	0	On Site	528395 184032	Railway Sidings	1968
3	0	On Site	528199 184182	Railway Sidings	1989
4	0	On Site	528377 184105	Railway Sidings	1957
52L	0	On Site	528383 184019	Railway Sidings	1896
53	0	On Site	n/a	Railway	1916
54	0	On Site	n/a	Railway	1930
55	0	On Site	n/a	Railway	1896
56	0	On Site	n/a	Railway	1930
5C	1	N	528162 184160	Railway Sidings	1948
57	1	N	527777 184296	Railway Sidings	1953
58L	2	N	528381 184023	Railway Sidings	1916
6B	6	N	528366 184156	Railway Sidings	1894
59M	7	N	527777 184306	Railway Sidings	1952
60M	7	N	527777 184306	Railway Sidings	1963
7B	8	N	528412 184158	Railway Sidings	1911
8C	10	N	528135 184166	Railway Sidings	1882
12	11	N	527735 184305	Tunnels	1994
13E	11	N	527735 184305	Tunnels	1963
14E	11	N	527735 184305	Tunnels	1972
15E	11	N	527735 184305	Tunnels	1952
80Q	11	N	526978 184220	Tunnel	1968
81Q	11	N	526978 184220	Tunnel	1989
82Q	11	N	526978 184220	Tunnel	1973

ID	Distance (m)	Direction	NGR	Details	Date
83Q	11	N	526978 184220	Tunnel	1957
16E	12	N	527733 184305	Tunnels	1991
17E	12	N	527733 184305	Tunnels	1983
61M	17	N	527777 184314	Railway Sidings	1972
18	24	NE	527823 184297	Tunnels	1972
19F	39	NE	527854 184302	Tunnels	1991
20F	39	NE	527854 184302	Tunnels	1983
21G	60	N	527701 184314	Tunnels	1994
22G	60	N	527699 184314	Tunnels	1963
23G	60	N	527699 184314	Tunnels	1972
24G	60	N	527699 184314	Tunnels	1952
25G	61	N	527697 184314	Tunnels	1991
26G	61	N	527697 184314	Tunnels	1983
27	69	E	527874 184303	Tunnels	1972
62N	109	W	527640 184295	Railway Sidings	1983
63N	109	W	527640 184295	Railway Sidings	1991
28H	135	NE	527956 184343	Tunnel	1991
29H	135	NE	527956 184343	Tunnel	1983
30H	136	NE	527958 184343	Tunnel	1963
31H	136	NE	527958 184343	Tunnel	1972
32H	140	NE	527960 184342	Tunnel	1994
64	140	W	n/a	Railway	1915
65	144	W	527599 184263	Railway Sidings	1935
66	150	W	527581 184280	Railway Sidings	1871
84	160	NE	528256 184173	Tunnel	1989
9D	168	E	527990 184298	Railway Sidings	1920
10D	168	E	527990 184298	Railway Sidings	1938
33	202	W	527378 184146	Tunnels	1953
34I	204	W	527532 184223	Tunnels	1963

ID	Distance (m)	Direction	NGR	Details	Date
35I	204	W	527532 184223	Tunnels	1952
36I	204	W	527532 184223	Tunnels	1972
85R	211	W	527362 184138	Tunnel	1989
86R	211	W	527362 184138	Tunnel	1973
87R	211	W	527362 184138	Tunnel	1968
88	212	W	527368 184142	Tunnels	1957
37J	213	W	527527 184271	Tunnels	1963
38J	213	W	527527 184271	Tunnels	1972
39J	213	W	527527 184271	Tunnels	1952
40	216	W	527276 184224	Tunnels	1953
67O	221	E	528298 184181	Railway Sidings	1952
68O	221	E	528298 184181	Railway Sidings	1952
69P	221	E	528205 184149	Railway Sidings	1991
70P	221	E	528205 184149	Railway Sidings	1987
71P	221	E	528205 184149	Railway Sidings	1991
89	221	W	527028 184182	Tunnels	1957
72	222	E	528250 184173	Railway Sidings	1965
73	222	E	528196 184140	Railway Sidings	1952
74	222	E	528250 184155	Railway Sidings	1982
75O	222	E	528298 184181	Railway Sidings	1968
76C	222	E	528250 184174	Railway Sidings	1973
77	223	E	528368 184155	Railway Sidings	1952
78	223	E	528018 184301	Railway Sidings	1991
11	225	E	528201 184135	Railway Sidings	1911
79	226	E	528237 184294	Railway Sidings	1952
41K	228	E	528259 184167	Tunnel	1991
42K	228	E	528259 184167	Tunnel	1991
43K	228	E	528259 184167	Tunnel	1982

ID	Distance (m)	Direction	NGR	Details	Date
44K	228	E	528259 184167	Tunnel	1987
45K	228	E	528261 184167	Tunnel	1968
46K	228	E	528261 184167	Tunnel	1994
47K	228	E	528261 184167	Tunnel	1995
48K	228	E	528261 184167	Tunnel	1996
49K	228	E	528261 184167	Tunnel	1973
50K	228	E	528261 184167	Tunnel	1965
51K	228	E	528263 184167	Tunnel	1970
90S	247	W	527018 184178	Tunnel	1989
91S	247	W	527018 184178	Tunnel	1973
92S	247	W	527018 184178	Tunnel	1968

Any records that have been identified are represented on the Railways and Tunnels Map.

7.3 Historical Railways

This data is derived from OpenStreetMap and provides information on the possible alignments of abandoned or dismantled railway lines in proximity to the study site.

Have any historical railway lines been identified within the study site boundary? No

Have any historical railway lines been identified within 250m of the study site boundary? Yes

Distance (m)	Direction	Status
41	N	Abandoned
68	N	Abandoned
90	NW	Abandoned
139	NE	Disused

Note: multiple sections of the same track may be listed in the detail above

Any records that have been identified are represented on the Railways and Tunnels Map.

7.4 Active Railways

These datasets are derived from Ordnance Survey mapping and OpenStreetMap and provide information on the possible locations of active railway lines in proximity to the study site.

Have any active railway lines been identified within the study site boundary? No

Have any active railway lines been identified within 250m of the study site boundary? Yes

Distance (m)	Direction	Name	Type
5	N	Down Fast	Rail
5	N	Not given	Multi Track
8	N	Not given	Rail
13	N	Up Fast	Rail
17	N	Primrose Hill Tunnels - Watford DC - WCML	Rail
21	N	West Coast Main Line	Rail
26	N	Not given	Rail
27	NE	West Coast Main Line	Rail
29	N	Not given	Multi Track
31	N	Not given	Rail
41	W	West Coast Main Line	Rail
45	N	North London line	Rail
53	E	Not given	Rail
59	N	Not given	Multi Track
61	N	North London line	Rail
63	N	Not given	Multi Track
64	N	North London line	Rail
67	N	North London line	Rail
68	NE	Not given	Rail
69	N	North London line	Rail
69	NE	North London line	Rail
69	NE	Not given	Rail
70	N	Not given	Multi Track
71	E	West Coast Main Line	Rail
96	E	Not given	Multi Track
113	W	Up Fast	Rail
118	E	Not given	Rail
124	W	Primrose Hill Tunnels - Watford DC - WCML	Rail
134	E	West Coast Main Line	Rail
201	W	Primrose Hill Tunnels - Fast Lines - WCML	Rail
202	W	Primrose Hill Tunnels - Fast Lines - WCML	Rail
202	E	Not given	Multi Track
211	W	Primrose Hill Tunnels - Slow Lines - WCML	Rail
212	W	Primrose Hill Tunnels - Slow Lines - WCML	Rail
223	E	North London line	Rail
224	E	North London line	Rail

Note: multiple sections of the same track may be listed in the detail above
Any records that have been identified are represented on the Railways and Tunnels Map.

7.5 Railway Projects

These datasets provide information on the location of large scale railway projects High Speed 2 and Crossrail 1 .

Is the study site within 5km of the route of the High Speed 2 rail project?	Yes
Is the study site within 5km of the proposed alternative route of the High Speed 2 rail project?	No
Is the study site within 500m of the route of the Crossrail 1 rail project?	No

*Further information on proximity to these routes, the project construction status and associated works can be obtained through the purchase of a **Groundsure HS2 and Crossrail 1 Report**.*

The route data has been digitised from publicly available maps by Groundsure. The route as provided relates to the Crossrail 1 project only, and does not include any details of the Crossrail 2 project, as final details of the route for Crossrail 2 are still under consultation.

Contact Details

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Fax: 0115 936 3276.
Email:**enquiries@bgs.ac.uk**
Web:**www.bgs.ac.uk**
BGS Geological Hazards Reports and general geological enquiries

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The Coal Authority

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www.coal.gov.uk

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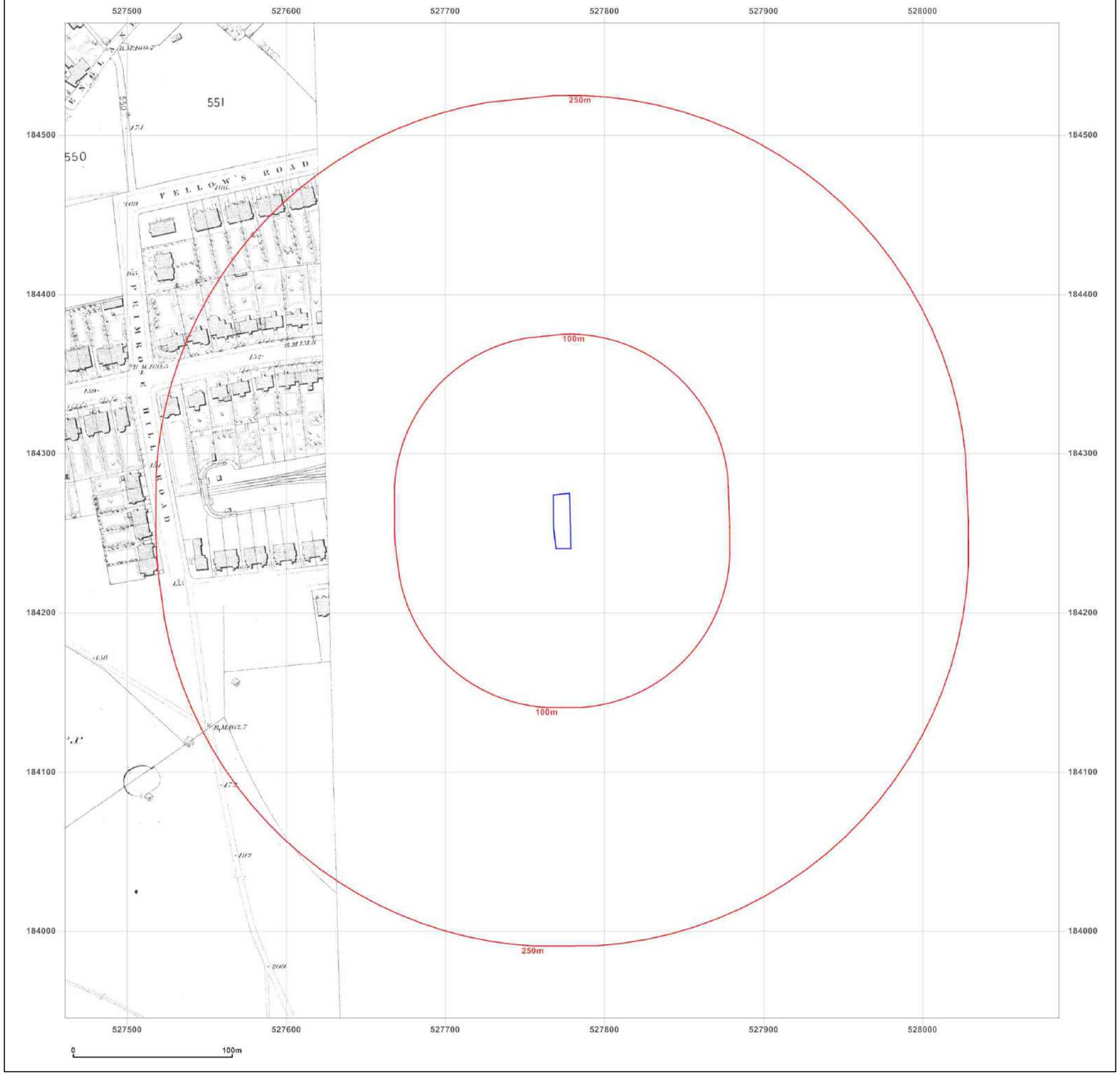

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Site Details:

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Client Ref: 7806_-_7366
Report Ref: GS-3437486
Grid Ref: 527773, 184258

Map Name: County Series

Map date: **1871**

Scale: 1:2,500

Printed at: 1:2,500

N
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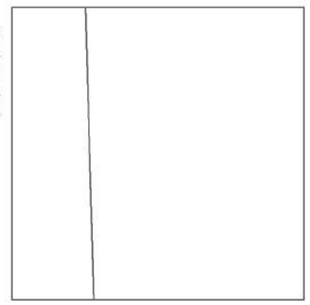
Surveyed 1866
Revised N/A
Edition 1871
Copyright N/A
Levelled N/A



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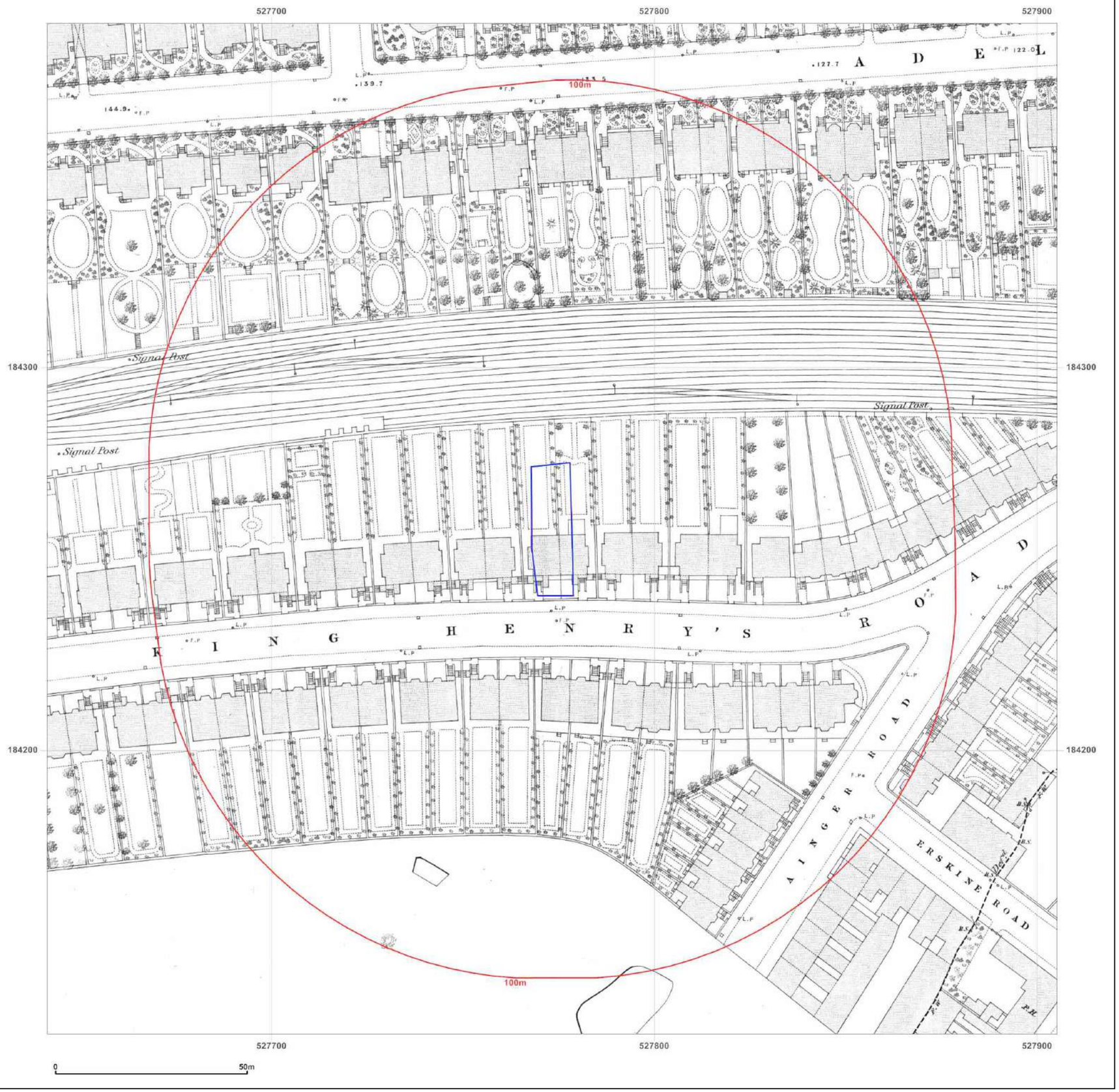

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Site Details:

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Client Ref: 7806_-_7366
Report Ref: GS-3437486
Grid Ref: 527773, 184258

Map Name: 1056 Scale Town Plan

Map date: **1873**

Scale: 1:1,056

Printed at: 1:1,056

N
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Surveyed 1870
Revised N/A
Edition 1873
Copyright N/A
Levelled N/A

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Grid Ref: 527773, 184258

Map Name: County Series

Map date: **1879**

Scale: 1:2,500

Printed at: 1:2,500

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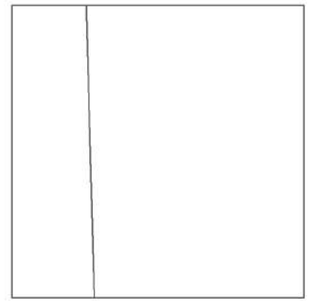

Surveyed 1870
Revised N/A
Edition 1879
Copyright N/A
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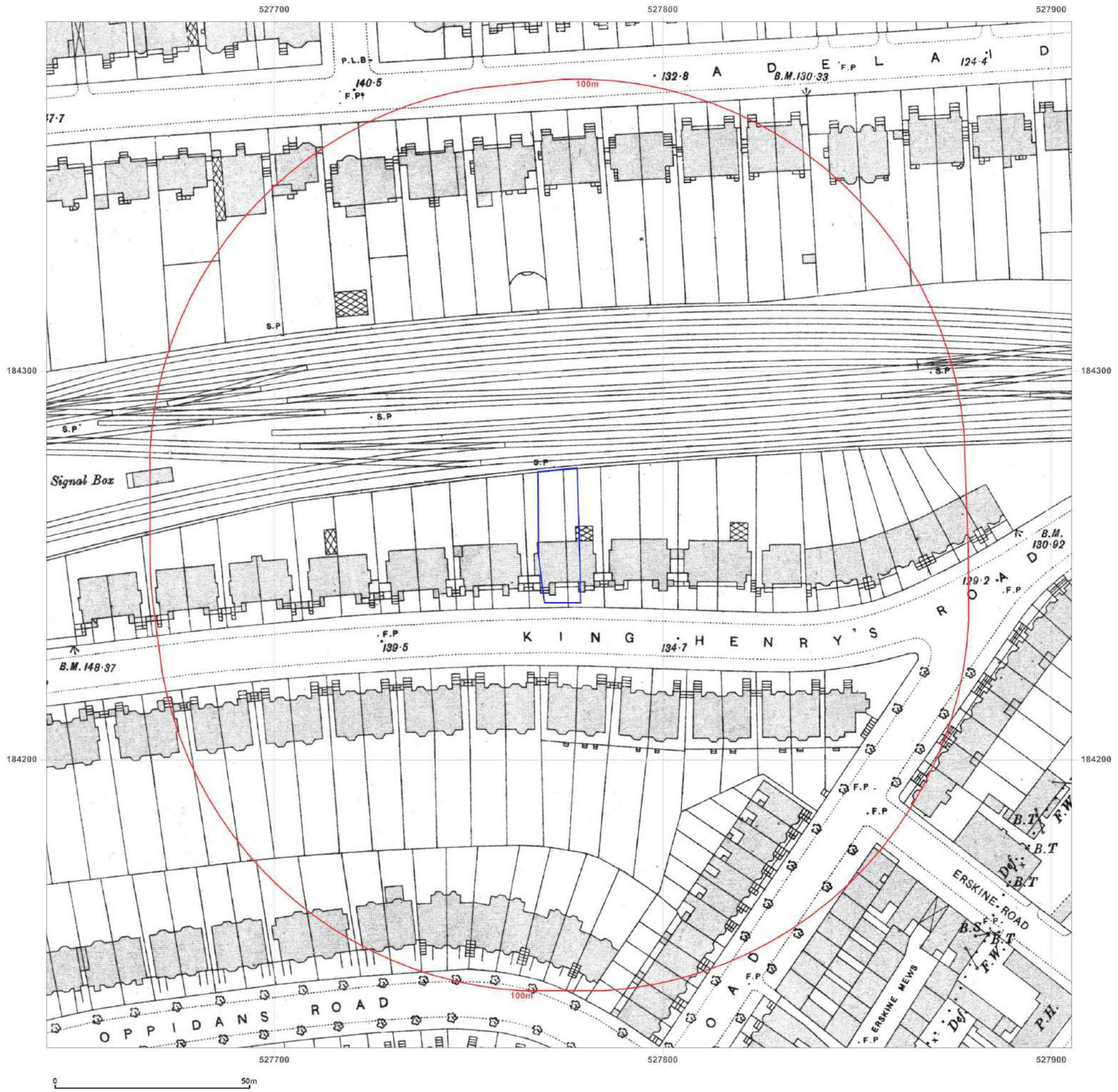

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Client Ref: 7806_-_7366
Report Ref: GS-3437486
Grid Ref: 527773, 184258

Map Name: 1056 Scale Town Plan

Map date: **1896**

Scale: 1:1,056

Printed at: 1:1,056

N
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Surveyed 1894
Revised N/A
Edition 1896
Copyright N/A
Levelled N/A

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Client Ref: 7806_-_7366
Report Ref: GS-3437486
Grid Ref: 527773, 184258

Map Name: County Series

Map date: **1896**

Scale: 1:2,500

Printed at: 1:2,500

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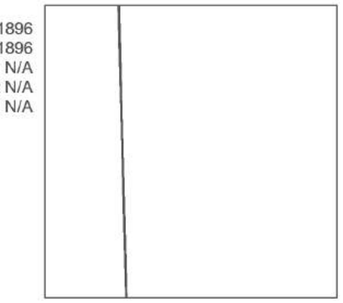
Surveyed 1896
Revised 1896
Edition N/A
Copyright N/A
Levelled N/A



Surveyed 1896
Revised 1896
Edition N/A
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Client Ref: 7806_-_7366
Report Ref: GS-3437486
Grid Ref: 527773, 184258

Map Name: County Series

Map date: **1915-1916**

Scale: 1:2,500

Printed at: 1:2,500

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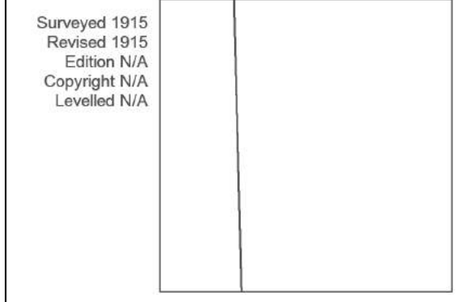

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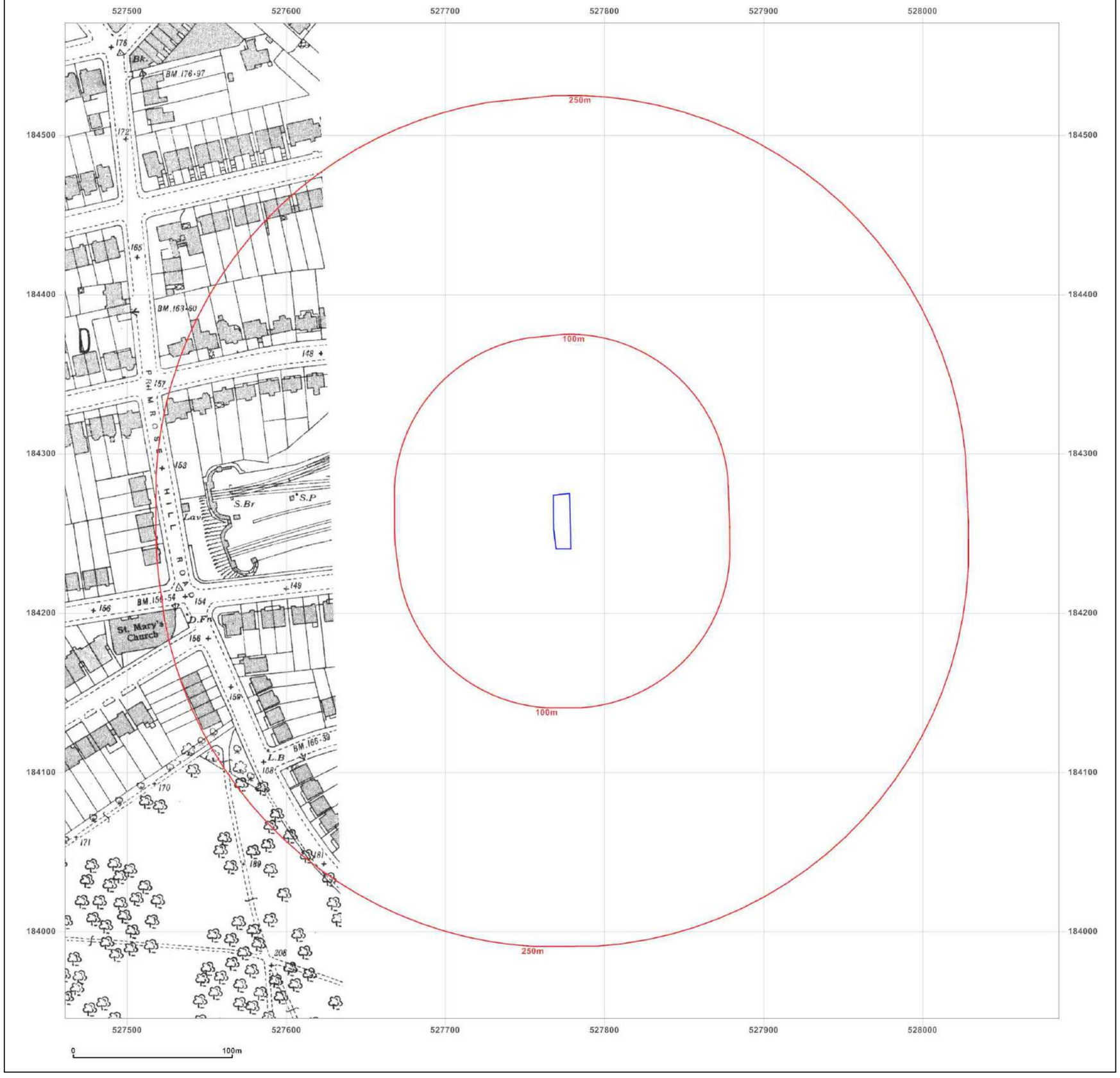

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Client Ref: 7806_-_7366
Report Ref: GS-3437486
Grid Ref: 527773, 184258

Map Name: County Series

Map date: **1935**

Scale: 1:2,500

Printed at: 1:2,500

N
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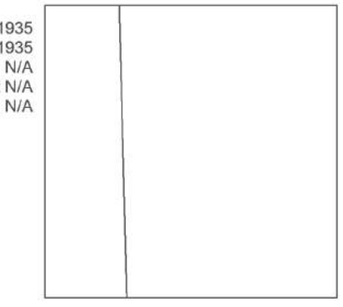
Surveyed 1935
Revised 1935
Edition N/A
Copyright N/A
Levelled N/A



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Client Ref: 7806_-_7366
Report Ref: GS-3437486
Grid Ref: 527773, 184258

Map Name: National Grid

Map date: **1952**

Scale: 1:1,250

Printed at: 1:2,000

N
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Surveyed 1952
Revised 1952
Edition N/A
Copyright N/A
Levelled 1934

Surveyed 1952
Revised 1952
Edition N/A
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