

Historical Mapping Legends

Ordnance Survey County Series and
Ordnance Survey Plan 1:2,500

County Boundary (Geographical)				
County & Civil Parish Boundary				
Administrative County & Civil Parish Boundary				
County Borough Boundary (England)				
County Borough Boundary (Scotland)				

Ordnance Survey Plan, Additional SIMs and
Supply of Unpublished Survey Information
1:2,500 and 1:1,250

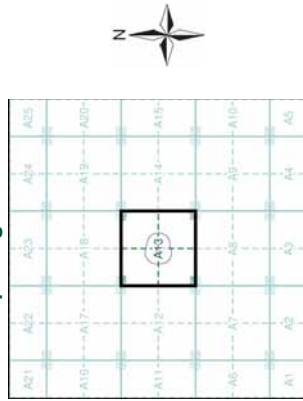
Large-Scale National Grid Data 1:2,500 and
1:1,250

Intégral Géotechnique

Historical Mapping & Photography included:

Mapping Type	Scale	Date	Pg
Essex	1:2,500	1880 - 1886	2
Middlesex	1:2,500	1881	3
London	1:2,500	1886	4
Essex	1:2,500	1915	5
Essex	1:2,500	1935	6
Historical Aerial Photography	1:1,250	1946	7
Ordnance Survey Plan	1:1,250	1955 - 1956	8
Ordnance Survey Plan	1:2,500	1956 - 1957	9
Additional SIMs	1:2,500	1957	10
Ordnance Survey Plan	1:1,250	1967 - 1971	11
Ordnance Survey Plan	1:2,500	1969	12
Ordnance Survey Plan	1:1,250	1970 - 1977	13
Supply of Unpublished Survey Information	1:1,250	1974	14
Additional SIMs	1:1,250	1977 - 1985	15
Additional SIMs	1:1,250	1983 - 1991	16
Large-Scale National Grid Data	1:1,250	1991	18
Large-Scale National Grid Data	1:1,250	1992 - 1994	19
Historical Aerial Photography	1:2,500	1999	20

Historical Map - Segment A13



Order Details

Order Number: 274161488_1_1
Customer Ref: 12822/LP
National Grid Reference: 535190, 191270
Site Area (Ha): 0.13
Search Buffer (m): 100

Site Details

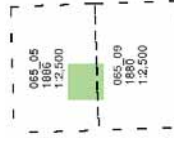
Electricity Distribution Unit, Watermead Way, London, N17 0UL



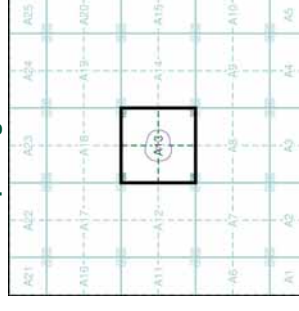
Tel: 0844 844 9852
Fax: 0844 844 9851
Web: www.envirocheck.co.uk

The historical maps shown were reproduced from maps predominantly held at the Ordnance Survey, which were adopted in the 1940s. In 1854, the Ordnance Survey was established to map the whole of Great Britain. The published date given below is often some years later than the surveyed date. Before 1938, all OS maps were based on the Cassini Projection, with independent surveys of a single county or group of counties, giving rise to significant inaccuracies in outlying areas.

Map Name(s) and Date(s)



Historical Map - Segment A13

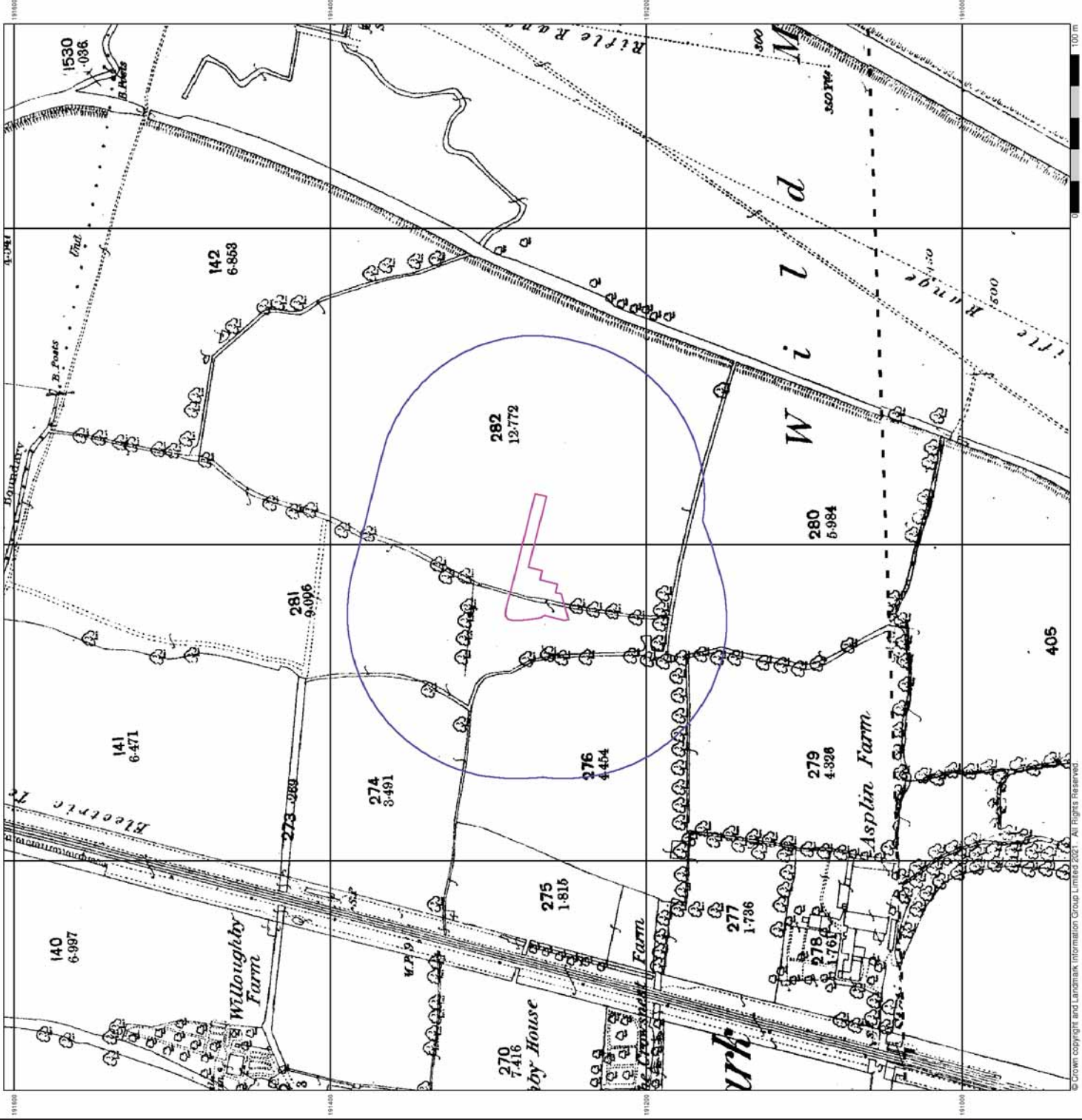


Order Details

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Customer Ref: 12822/LP
National Grid Reference: 535190, 191270
Slice: A
Site Area (Ha): 0.13
Search Buffer (m): 100

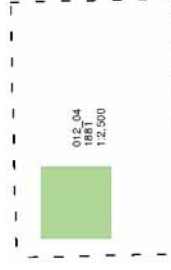
Site Details

Electricity Distribution Unit, Watermead Way, London, N17 0UL

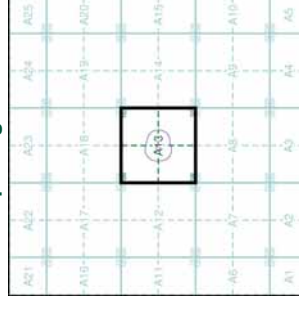


The historical maps shown were reproduced from maps predominantly held at the Ordnance Survey, which were adopted for England, Wales and Scotland in the 1940s. The maps were then digitised and published by 1881. It is important to note that the whole of what was considered to be the unutilised parts of Great Britain. The published date given below is often some years later than the surveyed date. Before 1938 all OS maps were based on the Cassini Projection, with independent surveys of a single county or group of counties, giving rise to significant inaccuracies in outlying areas.

Map Name(s) and Date(s)



Historical Map - Segment A13

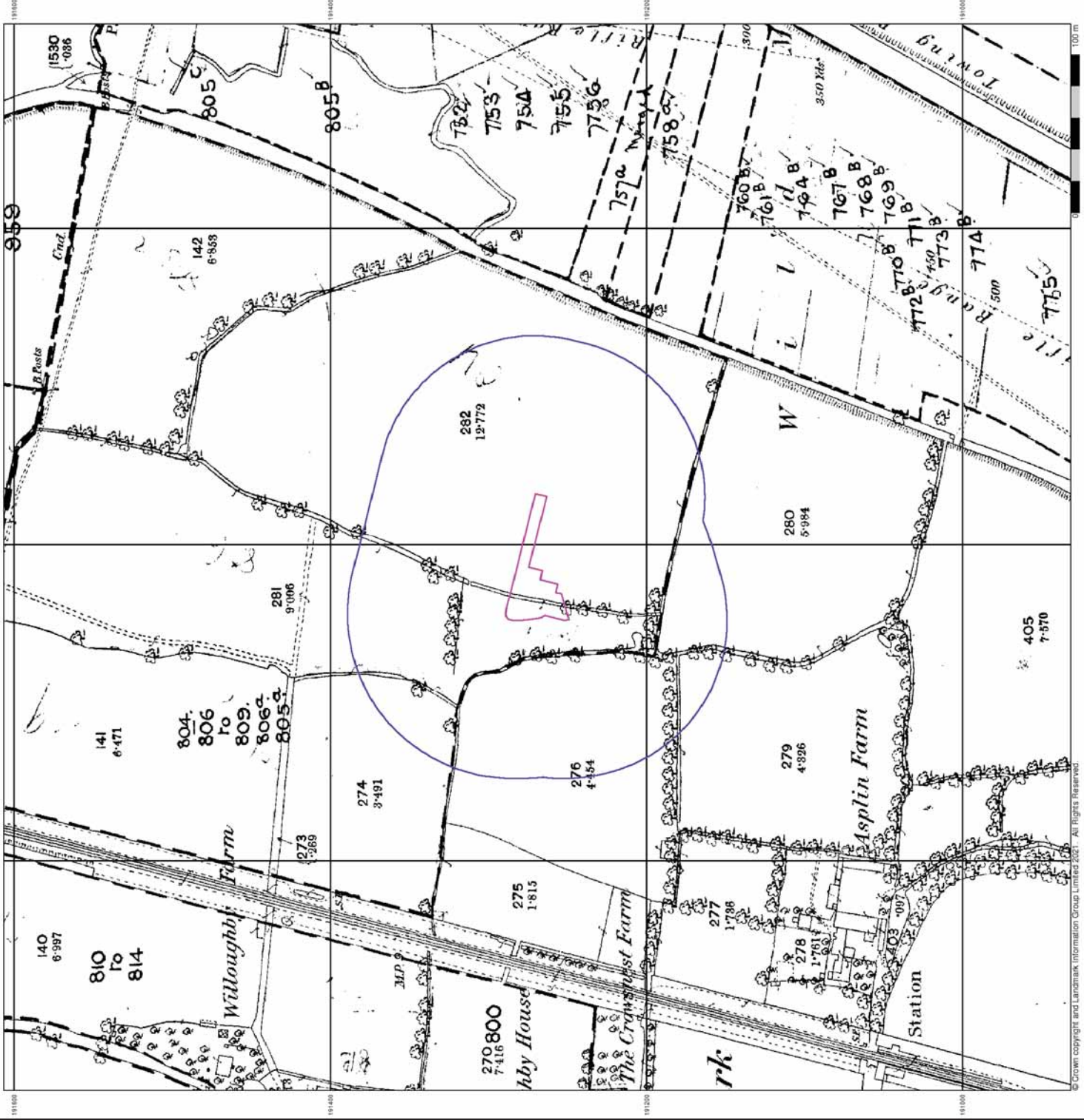


Order Details

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National Grid Reference: 535190, 191270
Slice: A
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Search Buffer (m): 100

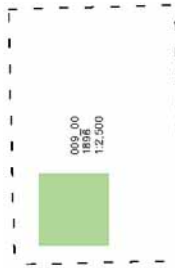
Site Details

Electricity Distribution Unit, Watermead Way, London, N17 0UL

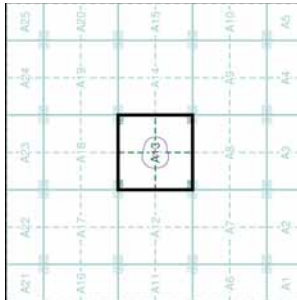


The historical maps shown were reproduced from maps predominantly held at a scale adopted for England, Wales and Scotland in the 1940. 1864 at 1:2,500. The maps were reproduced from the original maps by 1896. It covered the whole of what was then considered to be the cultivated parts of Great Britain. The published date given below is often some years later than the surveyed date. Before 1938 all OS maps were based on the Cassini Projection, with independent surveys of a single county or group of counties, giving rise to significant inaccuracies in outlying areas.

Map Name(s) and Date(s)



Historical Map - Segment A13



Order Details

Order Number: 274161488_1_1
Customer Ref: 12822/LP
National Grid Reference: 535190, 191270
Slice: A
Site Area (Ha): 0.13
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Site Details

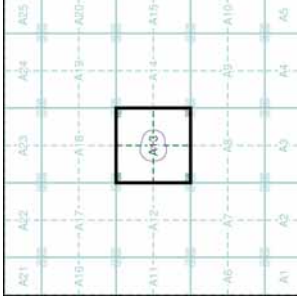
Electricity Distribution Unit, Watermead Way, London, N17 0UL

The historical maps shown were reproduced from maps predominantly held at the time adopted for England, Wales and Scotland in the 1940s. It is 1854 the 1:2,500 scale maps were produced by the Ordnance Survey, which created the whole of what we now know as the published parts of Great Britain. The published date given below is often some years later than the surveyed date. Before 1938 all OS maps were based on the Cassini Projection, with independent surveys of a single county or group of counties, giving rise to significant inaccuracies in outlying areas.

Map Name(s) and Date(s)



Historical Map - Segment A13



Order Details

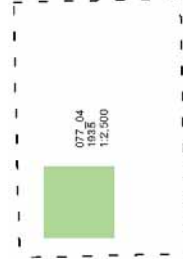
Order Number: 274161488_1_1
Customer Ref: 12822/LP
National Grid Reference: 535190, 191270
Slice: A
Site Area (Ha): 0.13
Search Buffer (m): 100

Site Details

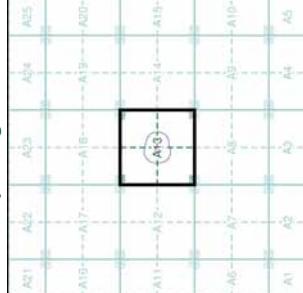
Electricity Distribution Unit, Watermead Way, London, N17 0UL

The historical maps shown were reproduced from maps predominantly held at the time adopted for England, Wales and Scotland in the 1940s. In 1854 the Ordnance Survey was established to create a national map of Great Britain. The published date given below is often some years later than the surveyed date. Before 1938 all OS maps were based on the Cassini Projection, with independent surveys of a single county or group of counties, giving rise to significant inaccuracies in outlying areas.

Map Name(s) and Date(s)



Historical Map - Segment A13



Order Details

Order Number: 274161488_1_1
Customer Ref: 12822/LP
National Grid Reference: 535190, 191270
Slice: A
Site Area (Ha): 0.13
Search Buffer (m): 100

Site Details

Electricity Distribution Unit, Watermead Way, London, N17 0UL

Historical Aerial Photography

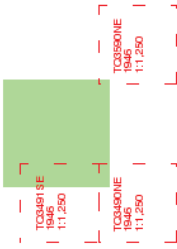
Published 1946

Source map scale - 1:1,250

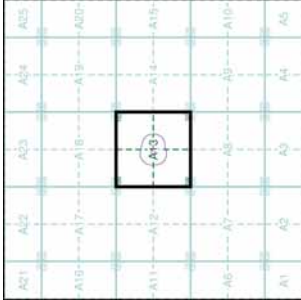
The Historical Aerial Photos were produced by the Ordnance Survey at a scale of 1:1,250 and 1:10,560 from Air Force photography. They were produced between 1944 and 1950 as a temporary measure, pending preparation of aerial photographs for the public. Due to post-war shortages, new security measures in the 1950s meant that every photograph was rechecked for potentially unsafe information with security sites replaced by fake fields or clouds. The original editions were withdrawn and only later made available after a period of fifty years although due to the accuracy of the editing, without viewing both revisions it is not easy to spot the edits. Where available Landmark have included both revisions.

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Map Name(s) and Date(s)



Historical Aerial Photography - Segment A13



Order Details

Order Number: 274161488_1_1
Customer Ref: 12822/LP
National Grid Reference: 535190, 191270
Slice: A
Site Area (Ha): 0.13
Search Buffer (m): 100

Site Details

Electricity Distribution Unit, Watermead Way, London, N17 0UL

Ordnance Survey Plan

Published 1955 - 1956

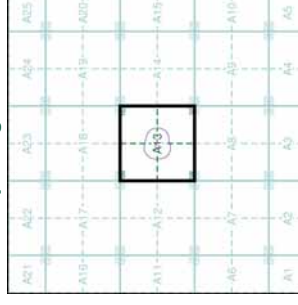
Source map scale - 1:1,250

The historical maps shown were reproduced from maps predominantly held at the Ordnance Survey, Wales and Scotland in the 1940s. In 1854 the OS adopted the Ordnance Survey datum for Great Britain, which was the first time that a single datum was used for the whole of Great Britain. The published date given below is often some years later than the surveyed date. Before 1938 all OS maps were based on the Cassini Projection, with independent surveys of a single county or group of counties, giving rise to significant inaccuracies in outlying areas.

Map Name(s) and Date(s)

TO3481NW	TO3581NW	TO3581NE	TO3481NE
1955	1956	1955	1956
1:1,250	1:1,250	1:1,250	1:1,250
TO3481SW	TO3581SW	TO3581SE	TO3481SE
1955	1956	1955	1956
1:1,250	1:1,250	1:1,250	1:1,250
TO3481NW	TO3581NW	TO3581NE	TO3481NE
1955	1956	1955	1956
1:1,250	1:1,250	1:1,250	1:1,250

Historical Map - Segment A13

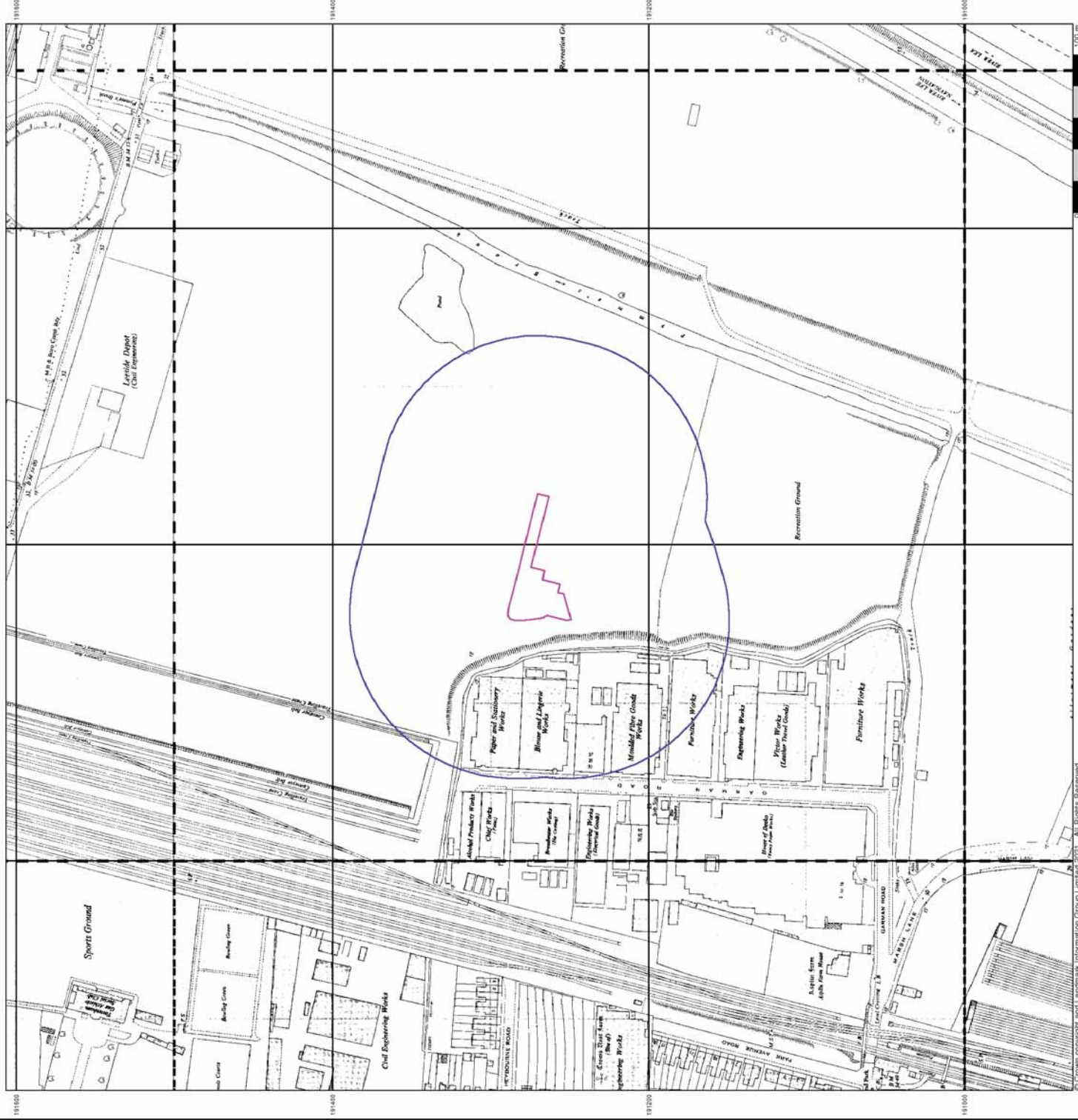


Order Details

Order Number: 274161488_1_1
Customer Ref: 12822/LP
National Grid Reference: 535190, 191270
Slice: A
Site Area (Ha): 0.13
Search Buffer (m): 100

Site Details

Electricity Distribution Unit, Watermead Way, London, N17 0UL



Ordnance Survey Plan

Published 1956 - 1957

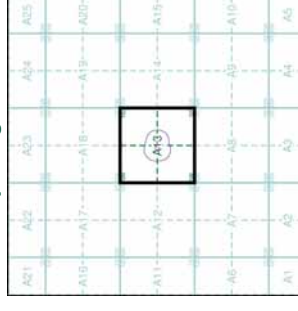
Source map scale - 1:2,500

The historical maps shown were reproduced from maps predominantly held at the time adopted for England, Wales and Scotland in the 1940s by 1854 the 1:2,500 scale maps were produced by the Ordnance Survey in 1854. The whole of what was then considered to be the populated parts of Great Britain. The published date given below is often some years later than the surveyed date. Before 1938 all OS maps were based on the Cassini Projection, with independent surveys of a single county or group of counties, giving rise to significant inaccuracies in outlying areas.

Map Name(s) and Date(s)

TO3491	1956	12,500
TO3591	1957	12,500
TO3490	1956	12,500
TO3590	1957	12,500

Historical Map - Segment A13

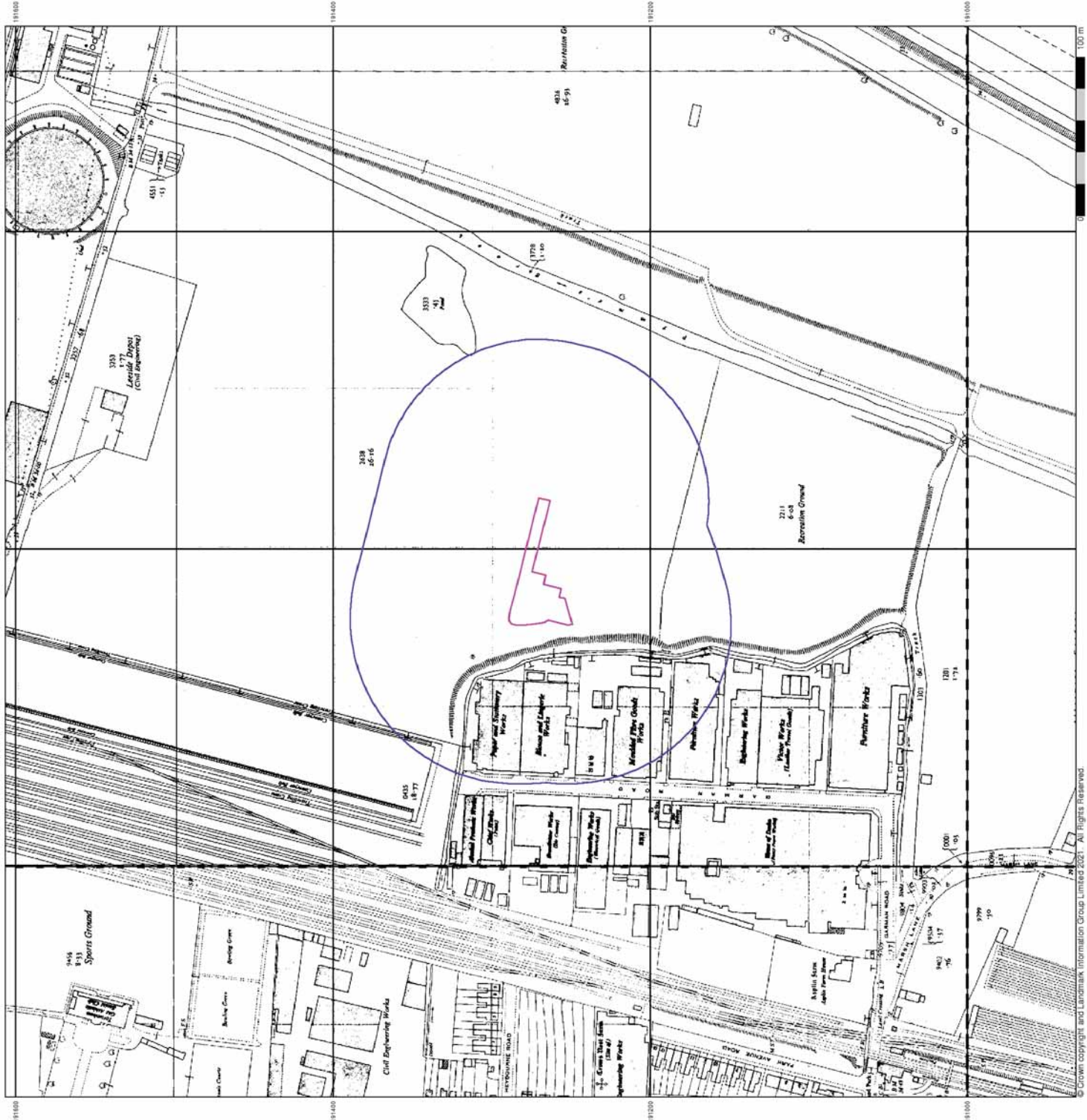


Order Details

Order Number: 274161488_1_1
Customer Ref: 12822/LP
National Grid Reference: 535190, 191270
Slice: A
Site Area (Ha): 0.13
Search Buffer (m): 100

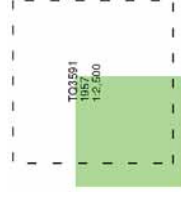
Site Details

Electricity Distribution Unit, Watermead Way, London, N17 0UL

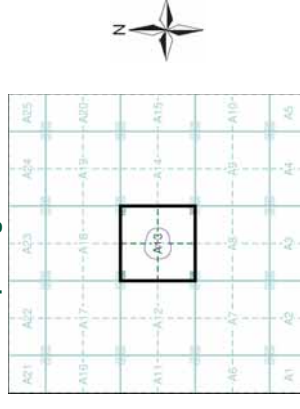


The SIM cards (Ordnance Survey's 'Survey of Information on Microfilm') are further minor editions of mapping which were produced and published in the 1940s and 1950s. They contain detailed information on buildings, roads and land-use. These maps were produced at both 1:2,500 and 1:1,250 scales.

Map Name(s) and Date(s)



Historical Map - Segment A13



Order Details

Order Number: 274161488_1_1
Customer Ref: 12822/LP
National Grid Reference: 535190, 191270
Slice: A
Site Area (Ha): 0.13
Search Buffer (m): 100

Site Details

Electricity Distribution Unit, Watermead Way, London, N17 0UL

Ordnance Survey Plan

Published 1967 - 1971

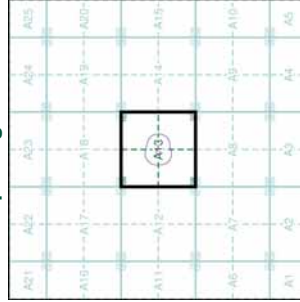
Source map scale - 1:1,250

The historical maps shown were reproduced from maps predominantly held at 1:25,000 scale for England, Wales and Scotland in the 1940s. 1864 was the first year that the Ordnance Survey began to publish maps at 1:25,000 scale. The maps were produced by the Ordnance Survey, which has been responsible for the production of maps of Great Britain. The published date given below is often some years later than the surveyed date. Before 1938 all OS maps were based on the Cassini Projection, with independent surveys of a single county or group of counties, giving rise to significant inaccuracies in outlying areas.

Map Name(s) and Date(s)

TO3481NW1035591NW1035591NE4	
1971	1907
1:1,250	1:1,250
TO3481SE1035591SW1035591SE1	
1907	1907
1:1,250	1:1,250
TO3481SE1035591SW1035591SE1	
1970	1909
1:1,250	1:1,250

Historical Map - Segment A13



Order Details

Order Number: 274161488_1_1
Customer Ref: 12822/LP
National Grid Reference: 535190, 191270
Slice: A
Site Area (Ha): 0.13
Search Buffer (m): 100

Site Details

Electricity Distribution Unit, Watermead Way, London, N17 0UL

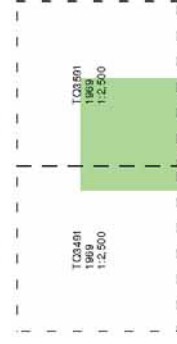
Ordnance Survey Plan

Published 1969

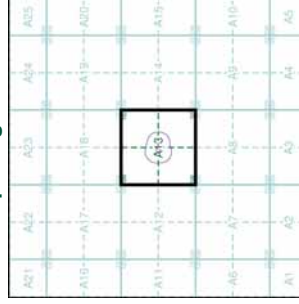
Source map scale - 1:2,500

The historical maps shown were reproduced from maps predominantly held at the Ordnance Survey, Warley and Scotland in the 1940s. In 1854, the Ordnance Survey was established by an Act of Parliament. It created the first map of Great Britain and Ireland, and by 1896 it had covered the whole of what was considered to be the cultivated parts of Great Britain. The published date given below is often some years later than the surveyed date. Before 1938 all OS maps were based on the Cassini Projection, with independent surveys of a single county or group of counties, giving rise to significant inaccuracies in outlying areas.

Map Name(s) and Date(s)



Historical Map - Segment A13



Order Details

Order Number: 274161488_1_1
Customer Ref: 12822/LP
National Grid Reference: 535190, 191270
Slice: A
Site Area (Ha): 0.13
Search Buffer (m): 100

Site Details

Electricity Distribution Unit, Watermead Way, London, N17 0UL

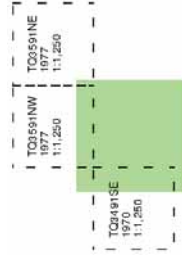
Ordnance Survey Plan

Published 1970 - 1977

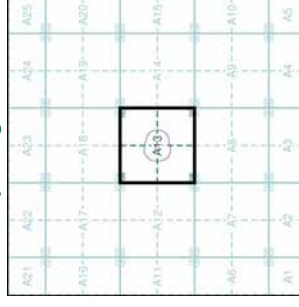
Source map scale - 1:1,250

The historical maps shown were reproduced from maps predominantly held at the time adopted for England, Wales and Scotland in the 1940s to 1964 at a scale of 1:2,500. These maps were subsequently revised by 1966. It is important to note that the whole of what was considered to be the utilised parts of Great Britain. The published date given below is often some years later than the surveyed date. Before 1938 all OS maps were based on the Cassini Projection, with independent surveys of a single county or group of counties, giving rise to significant inaccuracies in outlying areas.

Map Name(s) and Date(s)



Historical Map - Segment A13



Order Details

Order Number: 274161488_1_1
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National Grid Reference: 535190, 191270
Slice: A
Site Area (Ha): 0.13
Search Buffer (m): 100

Site Details

Electricity Distribution Unit, Watermead Way, London, N17 0UL

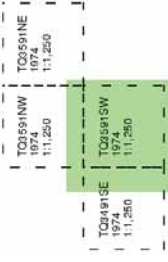
Supply of Unpublished Survey Information

Published 1974

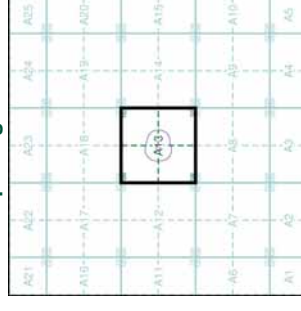
Source map scale - 1:1,250

SUSI maps (Supply of Unpublished Survey Information) were produced between 1972 and 1977, mainly for internal use at Ordnance Survey. These were more of a work-in-progress plan as they show up to six of individual buildings on a map. These maps were published in the 1980s, but represent a single moment in time. They were produced at both 1:2,500 and 1:1,250 scales.

Map Name(s) and Date(s)



Historical Map - Segment A13



Order Details

Order Number: 274161488_1.1
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Slice: A
Site Area (Ha): 0.13
Search Buffer (m): 100

Site Details

Electricity Distribution Unit, Watermead Way, London, N17 0UL

Additional SIMs

Published 1977 - 1985

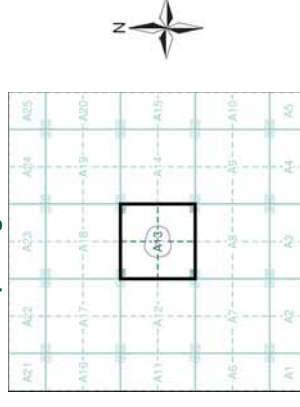
Source map scale - 1:1,250

The SIM cards (Ordnance Survey's 'Survey of Information on Microfilm') are further minor editions of mapping which were produced and published in the 1970s. They contain detailed information on buildings, roads and land-use. These maps were produced at both 1:2,500 and 1:1,250 scales.

Map Name(s) and Date(s)

TO3401NE	1981
1:1,250	
TO3401SE	1977
1:1,250	
TO3400NE	1985
1:1,250	

Historical Map - Segment A13



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Site Details

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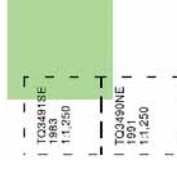
Additional SIMs

Published 1983 - 1991

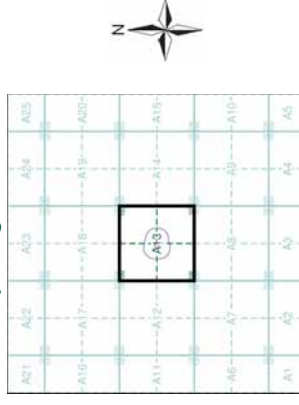
Source map scale - 1:1,250

The SIM cards (Ordnance Survey's 'Survey of Information on Microfilim') are further minor editions of mapping which were produced and published in the 1980s. They contain detailed information on buildings, roads and land-use. These maps were produced at both 1:2,500 and 1:1,250 scales.

Map Name(s) and Date(s)



Historical Map - Segment A13



Order Details

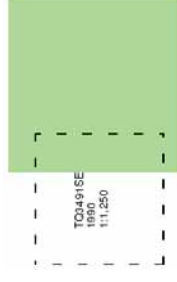
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National Grid Reference: 535190, 191270
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Search Buffer (m): 100

Site Details

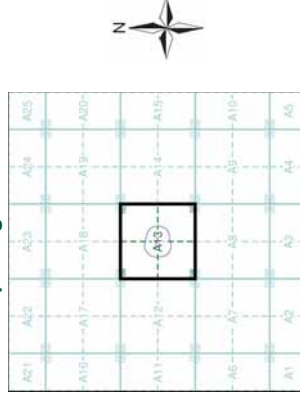
Electricity Distribution Unit, Watermead Way, London, N17 0UL

The SIM cards (Ordnance Survey's 'Survey of Information on Microfilm') are further minor editions of mapping which were produced and published in the 1970s and 1980s. They contain information on buildings, roads and land-use. These maps were produced at both 1:2,500 and 1:1,250 scales.

Map Name(s) and Date(s)



Historical Map - Segment A13



Order Details

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Site Area (Ha): 0.13
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Site Details

Electricity Distribution Unit, Watermead Way, London, N17 0UL

Large-Scale National Grid Data

Published 1991

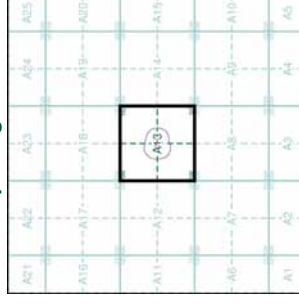
Source map scale - 1:1,250

Large Scale National Grid Data' superimposed SIM cards (Ordnance Survey's Survey Information on Microfilm) in 1992, and continued to be produced until 1999. These maps are the original mapping and are not derived from a digital source. They provide detailed information on houses and other built-up areas, as well as topographic features such as vegetation. These maps were produced at both 1:2,500 and 1:1,250 scales.

Map Name(s) and Date(s)

TC2481TNA03489TNA03489TNE	1991	1991	1:1,250
TC2481TNA03489TNA03489TNE	1991	1991	1:1,250
TC2481TNA03489TNA03489TNE	1991	1991	1:1,250
TC2481TNA03489TNA03489TNE	1991	1991	1:1,250
TC2481TNA03489TNA03489TNE	1991	1991	1:1,250
TC2481TNA03489TNA03489TNE	1991	1991	1:1,250
TC2481TNA03489TNA03489TNE	1991	1991	1:1,250
TC2481TNA03489TNA03489TNE	1991	1991	1:1,250
TC2481TNA03489TNA03489TNE	1991	1991	1:1,250
TC2481TNA03489TNA03489TNE	1991	1991	1:1,250

Historical Map - Segment A13

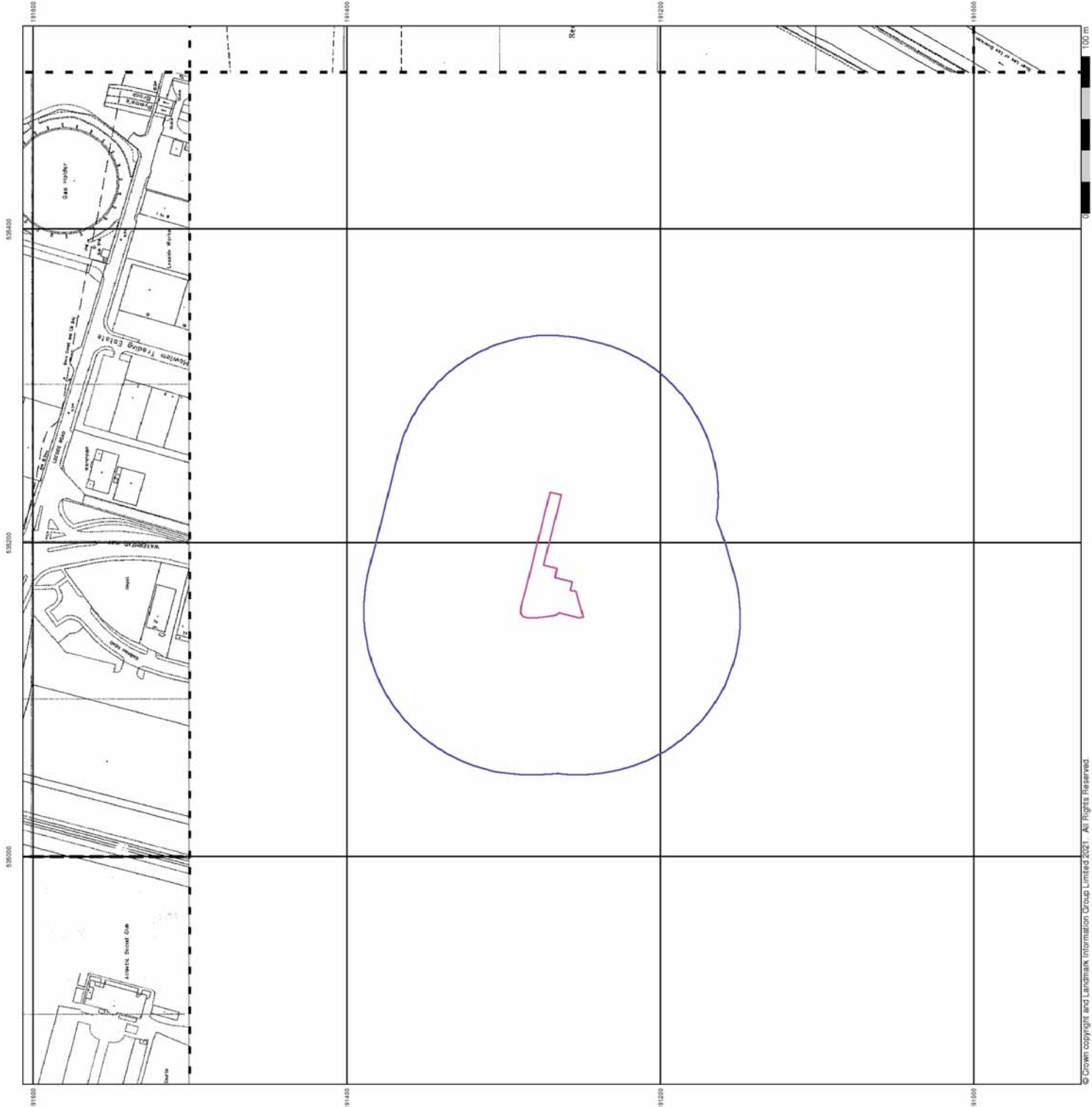


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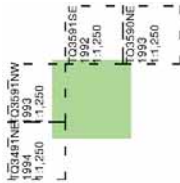
Large-Scale National Grid Data

Published 1992 - 1994

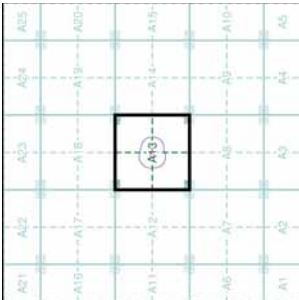
Source map scale - 1:1,250

Large Scale National Grid Data' superseded SIM cards (Ordnance Survey's 'Survey of Information on Microfilm') in 1992, and continued to be produced until 1999. These maps were originally produced by digitising aerial photographs to provide detailed information on houses and roads, but later to allow topographic features such as vegetation. These maps were produced at both 1:2,500 and 1:1,250 scales.

Map Name(s) and Date(s)



Historical Map - Segment A13



Order Details

Order Number: 274161488_1_1
Customer Ref: 12822/LP
National Grid Reference: 535190, 191270
Slice: A
Site Area (Ha): 0.13
Search Buffer (m): 100

Site Details

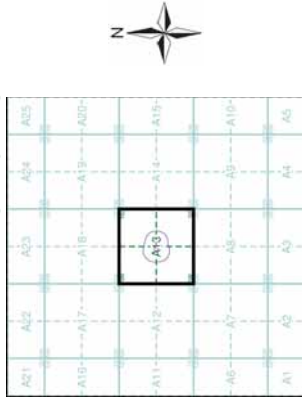
Electricity Distribution Unit, Watermead Way, London, N17 0UL



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



Historical Aerial Photography - Segment A13



Order Details

Order Number: 274161488_1_1
Customer Ref: 12822/LP
National Grid Reference: 535190, 191270
Slice: A
Site Area (Ha): 0.13
Search Buffer (m): 100

Site Details

Electricity Distribution Unit, Watermead Way, London, N17 0UL

Envirocheck[®] Report:

Mining and Ground Stability Datasheet

Order Details:

Order Number:

274161488_1_1

Customer Reference:

12822/LP

National Grid Reference:

535190, 191270

Slice:

A

Site Area (Ha):

0.13

Search Buffer (m):

1000

Site Details:

Electricity Distribution Unit
Watermead Way
London
N17 0UL

Client Details:

MR H Pritchard
Integral Geotechnique
Integral House
7 Beddau Way
Castlegate Business Park
Caerphilly
CF83 2AX

Report Section and Details	Page Number
Summary	-
The Summary section provides an overview of the data contained within the report, detailing the number of data set features or the existence of a data set in relation to the buffer selected. For ease of reference, the report is broken down into 4 sections of data; Mining and Natural Cavities Data, Historical Land Use Information (1:2,500), Historical Land Use Information (1:10,000) and Ground Stability Data (1:50,000).	
Mining and Natural Cavities Data	1
The Mining and Natural Cavities Data section features data sets related to the existence of mining areas and their potential hazards; and details of naturally formed cavities. Data sets within this section are not plotted, with the exception of BGS Recorded Mineral Sites and Potential Mining Areas which feature on the Historical Land Use Information (1:10,000) map.	
Historical Land Use Information (1:2,500)	2
The Historical Land Use Information (1:2,500) section contains data captured from analysis carried out by Landmark of 1:1,250 and 1:2,500 scale historical Ordnance Survey mapping, identifying areas where, historically, the land uses were potentially contaminative. For the purpose of this Envirocheck module, only historical data relating to mining and ground stability has been included and plotted on the corresponding Historical Land Use Information (1:2,500) map. This section also includes the Subterranean Features data set, which details various man-made and man-used underground spaces obtained from the Subterranea Britannica society.	
Historical Land Use Information (1:10,000)	3
The Historical Land Use (1:10,000) section covers data captured from the systematic analysis carried out by Landmark of 1:10, 560 and 1:10,000 scale historical Ordnance Survey mapping dating back to the mid-19th century, identifying potentially contaminative past industrial land uses. For the purpose of this Envirocheck module, only data relating to mining and ground stability has been included and plotted on the accompanying Historical Land Use Information (1:10,000) map.	
Ground Stability Data (1:50,000)	5
The Ground Stability (1:50,000) section includes the BGS Geosure data suite, reporting features to 250m and plotted onto 3 separate maps. Also reported is brine subsidence, brine mining and salt mining data sets, of which Brine Pumping and Salt Mining Related Features are plotted, and subsidence insurance claims and insurance investigations data, which is not plotted.	
Historical Map List	7
The Historical Map List section details the historical mapping that has been analysed for your site, in relation to the Historical Land Use Information sections.	
Data Currency	8
Data Suppliers	9
Useful Contacts	10

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The brine subsidence data relating to the Droitwich area as provided in this report is derived from JPB studies and physical monitoring undertaken annually over more than 35 years. For more detailed interpretation contact enquiries@jpb.co.uk. JPB retain the copyright and intellectual rights to this data and accept no liability for any loss or damage, including in direct or consequential loss, arising from the use of this data.

The Mining Instability data was obtained on licence from Ove Arup & Partners Limited (for further information, contact mining.review@arup.com). No reproduction or further use of such Data is to be made without the prior written consent of Ove Arup & Partners Limited. The supplied Mining Instability data is derived from publicly available records and other third party sources and neither Ove Arup & Partners nor Landmark warrant the accuracy or completeness of such information or data.

Report Version v53.0

Data Type	Page Number	On Site	0 to 250m	251 to 500m	501 to 1000m
Mining and Natural Cavities Data					
BGS Recorded Mineral Sites	pg 1				1
Coal Mining Affected Areas			n/a	n/a	n/a
Man Made Mining Cavities					
Mining Instability			n/a	n/a	n/a
Natural Cavities					
Non Coal Mining Areas of Great Britain				n/a	n/a
Potential Mining Areas					
Historical Land Use Information (1:2,500)					
Extractive Industries or Potential Excavations from 1855-1909 (100m)				n/a	n/a
Extractive Industries or Potential Excavations from 1893-1915 (100m)				n/a	n/a
Extractive Industries or Potential Excavations from 1906-1937 (100m)				n/a	n/a
Extractive Industries or Potential Excavations from 1924-1949 (100m)				n/a	n/a
Extractive Industries or Potential Excavations from 1950-1980 (100m)	pg 2		1	n/a	n/a
Subterranean Features (100m)				n/a	n/a
Historical Land Use Information (1:10,000)					
Air Shafts					
Disturbed Ground					
General Quarrying					
Heap, unknown constituents					
Mineral Railway					
Mining & quarrying general					
Mining of coal & lignite					
Quarrying of sand & clay, operation of sand & gravel pits					
Former Marshes					
Potentially Infilled Land (Non-Water)					
Potentially Infilled Land (Water)	pg 3	1	3	8	26
Ground Stability Data (1:50,000)					
CBSCB Compensation District			n/a	n/a	n/a
Brine Pumping Related Features					
Brine Subsidence Solution Area					
Potential for Collapsible Ground Stability Hazards	pg 5	Yes	Yes	n/a	n/a
Potential for Compressible Ground Stability Hazards	pg 5	Yes	Yes	n/a	n/a
Potential for Ground Dissolution Stability Hazards	pg 5	Yes	Yes	n/a	n/a
Potential for Landslide Ground Stability Hazards	pg 5	Yes	Yes	n/a	n/a
Potential for Running Sand Ground Stability Hazards	pg 5	Yes	Yes	n/a	n/a
Potential for Shrinking or Swelling Clay Ground Stability Hazards	pg 5	Yes	Yes	n/a	n/a
Salt Mining Related Features					

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
1	BGS Recorded Mineral Sites Site Name: Tottenham Marshes Gravel Pit Location: Tottenham, Greater London Source: British Geological Survey, National Geoscience Information Service Reference: 18411 Type: Opencast Status: Ceased Operator: Unknown Operator Operator Location: Not Supplied Periodic Type: Quaternary Geology: Alluvium (River Lea Gravels) Commodity: Sand and Gravel Positional Accuracy: Located by supplier to within 10m	A8NE (S)	516	1	535235 190740
	Coal Mining Affected Areas In an area which may not be affected by coal mining				
	Non Coal Mining Areas of Great Britain No Hazard				

Historical Land Use Information (1:2,500)

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
2	Extractive Industries or Potential Excavations from 1950-1980 Use: Pond First Map Published 1956 Date: Last Map Published N/A Date:	A13NE (E)	99	-	535321 191313

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
3	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1946	A13NW (W)	0	-	535153 191277
4	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1946	A13SW (W)	29	-	535123 191252
5	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1952	A13NE (E)	136	-	535358 191319
6	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1896	A13NE (E)	176	-	535401 191317
7	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1896	A13SW (SW)	277	-	535005 191015
8	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1946	A13NE (N)	327	-	535287 191593
9	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1876	A12NE (NW)	351	-	534848 191461
10	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1896	A13NE (NE)	388	-	535503 191548
11	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1876	A12NE (W)	418	-	534759 191425
12	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1876	A12NE (NW)	420	-	534774 191468
13	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1952	A8NW (SW)	471	-	534982 190810
14	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1920	A14SW (SE)	472	-	535603 190974
15	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1896	A8NW (SW)	501	-	534934 190799
16	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1876	A14SW (SE)	505	-	535651 190985
17	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1896	A18SE (NE)	506	-	535456 191723
18	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1876	A18SW (N)	515	-	535180 191803
19	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1946	A8NW (S)	548	-	535070 190708
20	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1896	A19SW (NE)	561	-	535590 191702
21	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1876	A18SW (N)	563	-	535064 191844
22	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1920	A14SW (E)	567	-	535778 191120
23	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1896	A19SW (NE)	595	-	535723 191607

Historical Land Use Information (1:10,000)

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
24	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1920	A14SW (SE)	602	-	535761 190980
25	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1896	A8NE (S)	633	-	535337 190639
26	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1952	A19SW (NE)	655	-	535718 191710
27	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1876	A12SW (W)	656	-	534497 191266
28	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1876	A18NW (N)	673	-	535094 191958
29	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1876	A12SW (W)	724	-	534429 191260
30	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1876	A12NW (W)	746	-	534406 191296
31	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1952	A8SW (S)	748	-	535054 190508
32	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1881	A18NW (N)	748	-	534909 191995
33	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1876	A18NW (N)	760	-	535117 192048
34	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1876	A12SW (W)	803	-	534349 191267
35	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1876	A12NW (W)	856	-	534300 191366
36	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1896	A8SW (S)	922	-	534959 190347
37	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1952	A19SE (NE)	926	-	535870 191940
38	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1896	A19SE (NE)	933	-	536019 191771
39	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1896	A7SE (SW)	951	-	534699 190413
40	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1920	A18NW (N)	991	-	535020 192270

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	CBSCB Compensation District The site does not fall within the brine compensation area.				
	Brine Subsidence Solution Area The site does not fall within the brine subsidence solution area.				
41	Potential for Collapsible Ground Stability Hazards Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	A13NW (W)	0	1	535158 191277
42	Potential for Collapsible Ground Stability Hazards Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	A13SW (W)	152	1	535000 191268
	Potential for Collapsible Ground Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	A13SW (SW)	0	1	535187 191268
43	Potential for Compressible Ground Stability Hazards Hazard Potential: Moderate Source: British Geological Survey, National Geoscience Information Service	A13SW (SW)	0	1	535187 191268
44	Potential for Compressible Ground Stability Hazards Hazard Potential: Moderate Source: British Geological Survey, National Geoscience Information Service	A13SW (W)	159	1	535000 191205
	Potential for Compressible Ground Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	A13NW (W)	0	1	535158 191277
	Potential for Compressible Ground Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	A13SW (W)	152	1	535000 191268
	Potential for Ground Dissolution Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	A13SW (SW)	0	1	535187 191268
	Potential for Ground Dissolution Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	A13SW (W)	152	1	535000 191268
45	Potential for Landslide Ground Stability Hazards Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	A13SW (SW)	0	1	535187 191268
46	Potential for Landslide Ground Stability Hazards Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	A13SW (W)	152	1	535000 191268
47	Potential for Running Sand Ground Stability Hazards Hazard Potential: Low Source: British Geological Survey, National Geoscience Information Service	A13SW (SW)	0	1	535187 191268
48	Potential for Running Sand Ground Stability Hazards Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	A13SW (S)	44	1	535171 191205
49	Potential for Running Sand Ground Stability Hazards Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	A13SW (W)	159	1	535000 191205
	Potential for Running Sand Ground Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	A13NW (W)	0	1	535158 191277
	Potential for Running Sand Ground Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	A13SW (W)	152	1	535000 191268
50	Potential for Shrinking or Swelling Clay Ground Stability Hazards Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	A13SW (SW)	0	1	535187 191268
51	Potential for Shrinking or Swelling Clay Ground Stability Hazards Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	A13SW (W)	152	1	535000 191268
52	Potential for Shrinking or Swelling Clay Ground Stability Hazards Hazard Potential: Moderate Source: British Geological Survey, National Geoscience Information Service	A13NE (NE)	222	1	535361 191453

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
53	Potential for Shrinking or Swelling Clay Ground Stability Hazards Hazard Potential: Moderate Source: British Geological Survey, National Geoscience Information Service	A13NW (W)	234	1	534918 191274

The following mapping has been analysed for Historical Land Use Information (1:2,500):

1:2,500	Mapsheet	Published Date
Ordnance Survey Plan	TQ3490	1956
Ordnance Survey Plan	TQ3491	1956

The following mapping has been analysed for Historical Land Use Information (1:10,000):

1:10,560	Mapsheet	Published Date
Middlesex	012_00	1876
Essex	065_00	1876
Middlesex	007_00	1881
London	001_SE	1896
London	003_NE	1896
Middlesex	012_NE	1896
Essex	065_NW	1897
Essex	065_SW	1898
London	002_00	1920
Middlesex	007_SE	1920
Essex	068_SE	1920
Middlesex	007_SE	1938
Essex	068_SE	1946
Essex	077_00	1946
Ordnance Survey Plan	TQ38NE	1952
Ordnance Survey Plan	TQ38NW	1952
Ordnance Survey Plan	TQ39SE	1952
Ordnance Survey Plan	TQ39SW	1952
1:10,000	Mapsheet	Published Date
Ordnance Survey Plan	TQ38NW	1990
Ordnance Survey Plan	TQ39SE	1990
Ordnance Survey Plan	TQ39SW	1992
Ordnance Survey Plan	TQ38NE	1995

Mining and Cavities Data	Version	Update Cycle
BGS Recorded Mineral Sites British Geological Survey - National Geoscience Information Service	November 2020	Bi-Annually
Coal Mining Affected Areas The Coal Authority - Property Searches	March 2014	Annual Rolling Update
Man Made Mining Cavities Stantec UK Ltd	November 2020	Bi-Annually
Mining Instability Ove Arup & Partners	October 2000	Not Applicable
Natural Cavities Stantec UK Ltd	November 2020	Bi-Annually
Non Coal Mining Areas of Great Britain British Geological Survey - National Geoscience Information Service	May 2015	Not Applicable
Historical Land Use Information (1:2,500)	Version	Update Cycle
Subterranean Features Landmark Information Group Limited	February 2020	Bi-Annually
Ground Stability Data (1:50,000)	Version	Update Cycle
CBSCB Compensation District Cheshire Brine Subsidence Compensation Board (CBSCB)	August 2011	Not Applicable
Potential for Collapsible Ground Stability Hazards British Geological Survey - National Geoscience Information Service	April 2020	Annually
Potential for Compressible Ground Stability Hazards British Geological Survey - National Geoscience Information Service	January 2019	Annually
Potential for Ground Dissolution Stability Hazards British Geological Survey - National Geoscience Information Service	January 2019	Annually
Potential for Landslide Ground Stability Hazards British Geological Survey - National Geoscience Information Service	January 2019	Annually
Potential for Running Sand Ground Stability Hazards British Geological Survey - National Geoscience Information Service	January 2019	Annually
Potential for Shrinking or Swelling Clay Ground Stability Hazards British Geological Survey - National Geoscience Information Service	January 2019	Annually
Brine Subsidence Solution Area Johnson Poole & Bloomer	December 2020	Annual Rolling Update

A selection of organisations who provide data within this report

Data Supplier	Data Supplier Logo
Ordnance Survey	
British Geological Survey	 British Geological Survey NATURAL ENVIRONMENT RESEARCH COUNCIL
The Coal Authority	
Ove Arup	
Stantec UK Ltd	
Wardell Armstrong	
Johnson Poole & Bloomer	

Contact	Name and Address	Contact Details
1	British Geological Survey - Enquiry Service British Geological Survey, Environmental Science Centre, Keyworth, Nottingham, Nottinghamshire, NG12 5GG	Telephone: 0115 936 3143 Fax: 0115 936 3276 Email: enquiries@bgs.ac.uk Website: www.bgs.ac.uk
-	Landmark Information Group Limited Imperium, Imperial Way, Reading, Berkshire, RG2 0TD	Telephone: 0844 844 9952 Fax: 0844 844 9951 Email: customerservices@landmarkinfo.co.uk Website: www.landmarkinfo.co.uk

Historical Land Use Information (1:2,500)

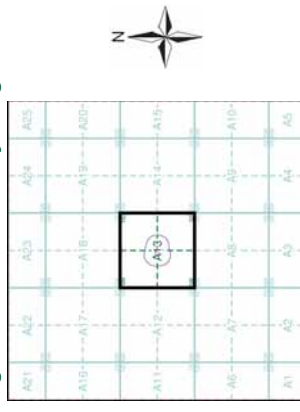
General

- at Location

**Potentially Contaminative Industrial Uses
(Extractive Industries Activity)**

- | Point | Line | Polygon |
|-------|-------|--|
| ▲ | — |  |
| ▲ | — |  |
| ▲ | — |  |
| ▲ | — |  |
| ▲ | — |  |
| Point | Line | Polygon |
| ▼ | - - - |  |

Mining and Ground Stability - Segment A13



Order Details

Order Number: 274161488_1_1
Customer Ref: 12822/LP
National Grid Reference: 535190, 191270
Slice: A
Site Area (Ha): 0.13
Plot Buffer (m): 100

Site Details

Site Details
Electricity Distribution Unit, Watermead Way, London, N17 0UL

Historical Land Use Information (1:10,000)

General
Specified Site
Several of Type at Location
Bearing Reference Point
Map ID

Potentially Contaminative Industrial Uses (Past Land Uses - Mining)

- Point**
Air Shafts
Disturbed Ground
General Quarrying
Heap, unknown constituents
Mineral Railway
Mining and Quarrying General
Mining of Coal & Lignite
Quarrying of Sand and Clay, Operation of Sand and Gravel Pits
- Line**
Air Shafts
Disturbed Ground
General Quarrying
Heap, unknown constituents
Mineral Railway
Mining and Quarrying General
Mining of Coal & Lignite
Quarrying of Sand and Clay, Operation of Sand and Gravel Pits
- Polygon**
Air Shafts
Disturbed Ground
General Quarrying
Heap, unknown constituents
Mineral Railway
Mining and Quarrying General
Mining of Coal & Lignite
Quarrying of Sand and Clay, Operation of Sand and Gravel Pits

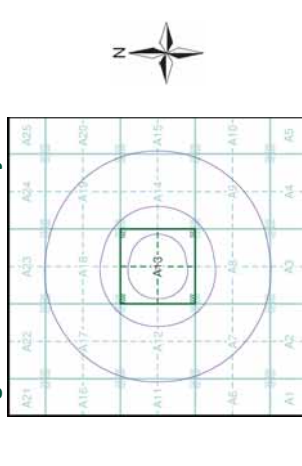
Historical Land Use

- Point**
Potentially Infilled Land (Non-Water)
Potentially Infilled Land (Water)
Former Marsh
- Line**
Potentially Infilled Land (Non-Water)
Potentially Infilled Land (Water)
Former Marsh
- Polygon**
Potentially Infilled Land (Non-Water)
Potentially Infilled Land (Water)
Former Marsh

Mining Data

- Potential Mining Area
BGS Recorded Mineral Site

Mining and Ground Stability - Slice A



Order Details

Order Number: 274161488_1_1
Customer Ref: 12822/LP
National Grid Reference: 535190, 191270
Slice: A
Site Area (Ha): 0.13
Search Buffer (m): 1000

Site Details

Electricity Distribution Unit, Watermead Way, London, N17 0UL

Ground Stability Data (1:50,000)

General

Specified Site  Specified Buffer(s)  Bearing Reference Point 

Slice  Map ID 

Potential for Compressible Ground Stability Hazards

High  Moderate  Low  Very Low 

Potential for Collapsible Ground Stability Hazards

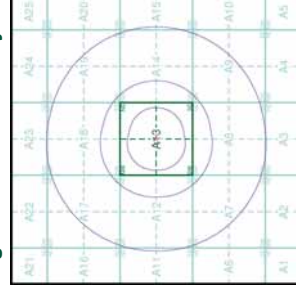
High  Moderate  Low  Very Low 

Brine Pumping and Salt Mining

Brine Pumping Related Feature  Point 

Salt Mining Related Feature  Polygon 

Mining and Ground Stability - Slice A



Order Details

Order Number: 274161488_1_1
Customer Ref: 12822/LP_
National Grid Reference: 535190, 191270
Slice: A
Site Area (Ha): 0.13
Search Buffer (m): 1000

Site Details

Electricity Distribution Unit, Watermead Way, London, N17 0UL

Ground Stability Data (1:50,000)

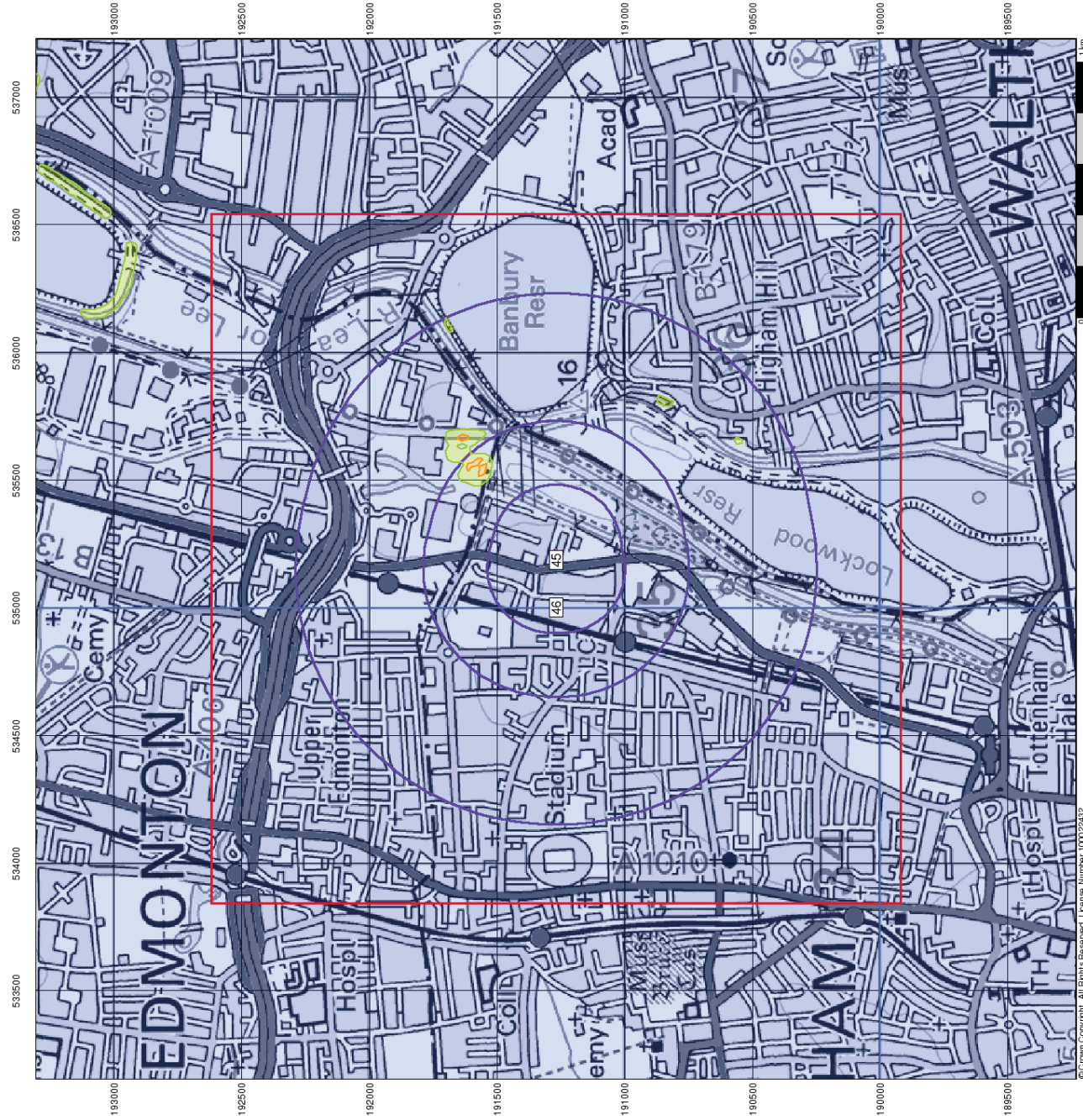
General
Specified Site Specified Buffer(s) Bearing Reference Point
Slice Map ID

Potential for Landslide Ground Stability Hazards

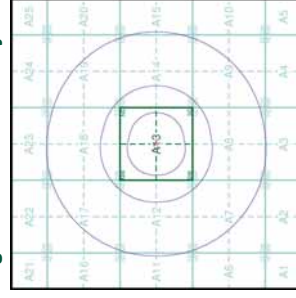
High Moderate
Low Very Low

Potential for Ground Dissolution Stability Hazards

High Moderate
Low Very Low



Mining and Ground Stability - Slice A



Order Details

Order Number: 274161488_1_1
Customer Ref: 12822/LP
National Grid Reference: 535190, 191270
Slice: A
Site Area (Ha): 0.13
Search Buffer (m): 1000

Site Details

Electricity Distribution Unit, Watermead Way, London, N17 0UL

Ground Stability Data (1:50,000)

General

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

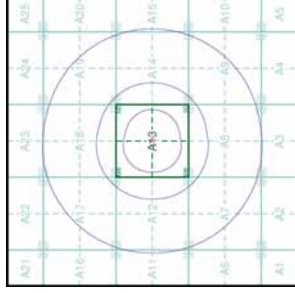
Potential for Running Sand Ground Stability Hazards

High Moderate Low Very Low

Potential for Shrinking or Swelling Clay Ground Stability Hazards

High Moderate Low Very Low

Mining and Ground Stability - Slice A



Order Details

Order Number: 274161488_1_1
Customer Ref: 12822/LP
National Grid Reference: 535190, 191270
Slice: A
Site Area (Ha): 0.13
Search Buffer (m): 1000

Site Details

Electricity Distribution Unit, Watermead Way, London, N17 0UL

Quadrant
A quadrant is a quarter of a segment. These are labelled as NW, NE, SW, SE and are referenced in the datasheet to allow features to be quickly located on plots. Therefore a feature that has a quadrant reference of A7NW will be in Slice A, Segment 7 and the NW Quadrant.



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APPENDIX B

BGS RADON REPORT

Laura Pullin
Integral Geotechnique (Wales) Limited
Integral House
7 Beddau Way
Caerphilly
CF83 2AX

Radon Report

Advisory report on the requirement for radon protective measures in new buildings, conversions and extensions to existing buildings. The report also indicates whether a site is located within a radon Affected Area

Report Id: *BGS_315501/20182*

Client reference: 12822 Tottenham

Search location



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Search location indicated in red

Area centred at: 535173,191280

Radius of site area: 25 metres

Radon Report: UK

When extensions are made to existing buildings in high radon areas, or new buildings are constructed in these areas, the Building Regulations for England, Wales, Scotland and Northern Ireland require that protective measures are taken against radon entering the building.

This report provides information on whether radon protective measures are required. Depending on the probability of buildings having high radon levels, the Regulations may require either:

1. No protective measures
2. Basic protective measures
3. Full protective measures

This is an advisory report on the requirement for radon protective measures in new buildings, conversions and extensions. The report also indicates whether a site is located within a radon Affected Area

Requirement for radon protective measures

The determination below follows advice in *BR211 Radon: Guidance on protective measures for new buildings (2015 edition)*, which also provides guidance on what to do if the result indicates that protective measures are required.

Is the property in an area where radon protective measures are required for new buildings or extensions to existing ones as described in publication BR211 (2015 edition) Radon: Guidance on protective measures for new buildings?

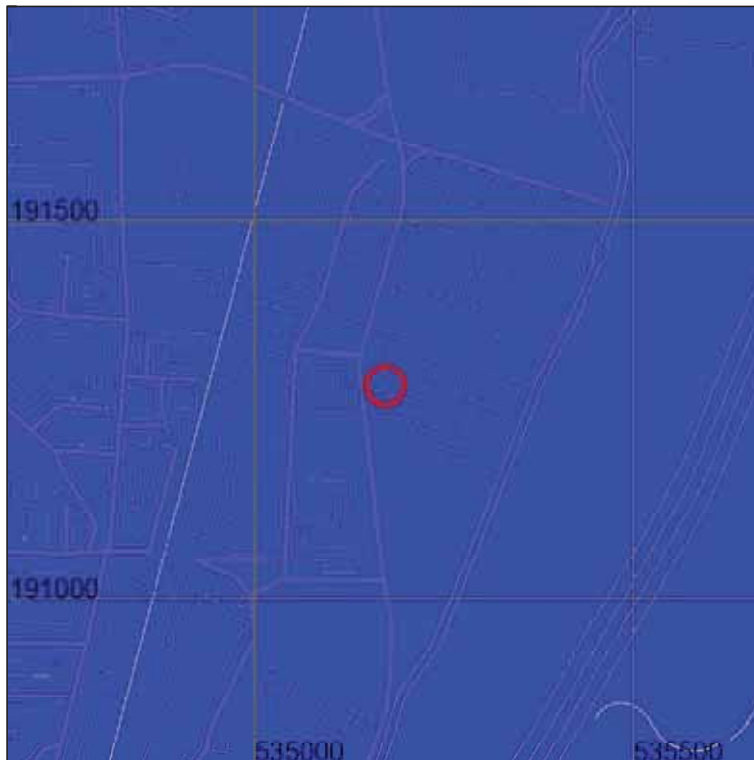
NO RADON PROTECTIVE MEASURES ARE REQUIRED FOR THE REPORT AREA.

More details of the protective measures required are available in *BR211 Radon: Guidance on protective measures for new buildings (2015 Edition)*. Additional information and guidance is available from the Building Research Establishment website (<http://www.bre.co.uk/radon/>).

Whether or not the radon level in a building is above or below the radon Action Level can only be established by having the building tested. The PHE provides a radon testing service which can be accessed at www.ukradon.org or by telephone (01235 822622).

If you require further information or guidance, you should contact your local authority building control officer or approved inspector.

Radon Affected Area



	% Homes estimated to be at or above the action level
0-1%	
1-3%	
3-5%	
5-10%	
10-30%	
30-100%	

Contains OS data © Crown Copyright and database right 2021
Scale: 1:10 000 (1cm = 100 m)
Search area indicated in red

Is the property in a radon Affected Area as defined by Public Health England (PHE) and if so what percentage of homes are estimated to be above the Action Level? **NO**

Additional Information

THE PROPERTY IS IN AN AREA WHERE LESS THAN 1% OF HOMES ARE ESTIMATED TO BE AT OR ABOVE THE ACTION LEVEL. THE PROPERTY IS NOT IN A RADON AFFECTED AREA.

PHE recommends a radon 'Action Level' of 200 Becquerels per cubic metre of air (Bq m^{-3}) for the annual average of the radon gas concentration in a home. Where 1% or more of homes are estimated to exceed the Action Level the area should be regarded as a radon Affected Area.

This report informs you whether the property is in a radon Affected Area and the percentage of homes that are estimated to be at or above the radon Action Level at this location. Being in an Affected Area does not necessarily mean there is a radon problem in the property; the only way to find out whether the radon level is above or below the Action Level is to carry out a radon measurement.

PHE advises that radon gas should be measured in all properties within radon Affected Areas and that homes with radon levels above the Action Level (200 Bq m⁻³) should be remediated. Householders with levels between the Target Level (100 Bq m⁻³) and Action Level should seriously consider reducing their radon level, especially if they are at greater risk, such as if they are current or ex smokers. Whether or not a home is in fact above or below the Action Level or Target Level can only be established by having the building tested. PHE provides a validated radon testing service which can be accessed at www.ukradon.org.

The information in this report provides an answer to one of the standard legal enquiries on house purchase in England and Wales, known as Law Society CON29 Enquiries of the Local Authority (2016); 3.14 Radon Gas: Do records indicate that the property is in a “Radon Affected Area” as identified by PHE. The data can also be used to advise house buyers and sellers in Scotland and Northern Ireland.

If you are buying a new build property in a Radon Affected Area, you should ask the builder whether radon protective measures were incorporated in the construction of the property.

If you are buying a currently occupied property in a radon Affected Area, you should ask the present owner whether radon levels have been measured in the property. If they have, ask whether the results were above the radon Action Level and if so, whether remedial measures were installed, radon levels were re-tested, and if the results of re-testing confirmed the effectiveness of the measures.

Further information on radon is available from PHE at www.ukradon.org.

What is radon?

Radon is a naturally occurring radioactive gas, which is produced by the radioactive decay of radium which, in turn, is derived from the radioactive decay of uranium. Uranium is found in small quantities in all soils and rocks, although the amount varies from place to place. Radon released from rocks and soils is quickly diluted in the atmosphere. Concentrations in the open air are normally very low and do not present a hazard. Radon that enters enclosed spaces such as some buildings (particularly basements), caves, mines, and tunnels may reach high concentrations in some circumstances. The construction method and degree of ventilation will influence radon levels in individual buildings. A person's exposure to radon will also vary according to how particular buildings and spaces are used.

Inhalation of the radioactive decay products of radon gas increases the chance of developing lung cancer. If individuals are exposed to high concentrations for significant periods of time, there may be cause for concern. In order to limit the risk to individuals, the Government has adopted an Action Level for radon in homes of 200 becquerels per cubic metre (Bq m^{-3}). The Government advises householders that, where the radon level exceeds the Action Level, measures should be taken to reduce the concentration.

Radon in workplaces

The Ionising Radiation Regulations, 1999, require employers to take action when radon is present above a defined level in the workplace. Advice may be obtained from your local Health and Safety Executive Area Office or the Environmental Health Department of your local authority. The BRE publishes a guide (BR293): **Radon in the workplace**. BRE publications may be obtained from the BRE Bookshop, Tel: 01923 664262, email: bookshop@bre.co.uk website: www.brebookshop.com

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**Report issued by
BGS Enquiry Service**

FIGURES



NORTH

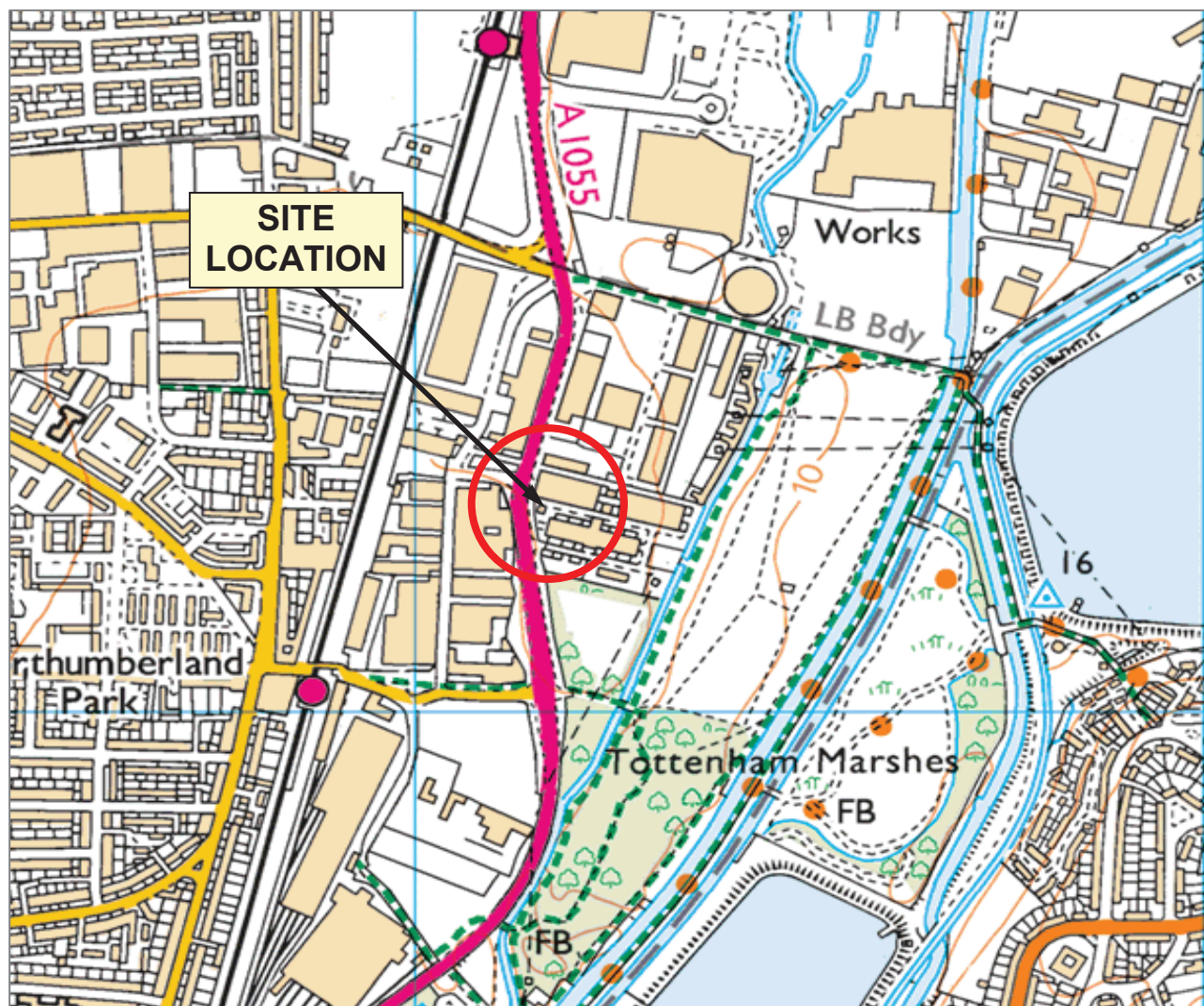


FIGURE 1: SITE LOCATION

Tottenham Substation, Watermead Way

Intégral
Géotechnique

Intégral House
7 Beddau Way
Castlegate Business Park
Caerphilly
CF83 2AX
Tel: 029 2080 7991
Fax: 029 2086 2176



Intégral
Géotechnique

Intégral House
7 Beddau Way
Castlegate Business Park
Caerphilly
CF83 2AX
Tel: 029 2080 7991
Fax: 029 2086 2176

FIGURE 2: SITE PLAN
Tottenham Substation, Watermead Way