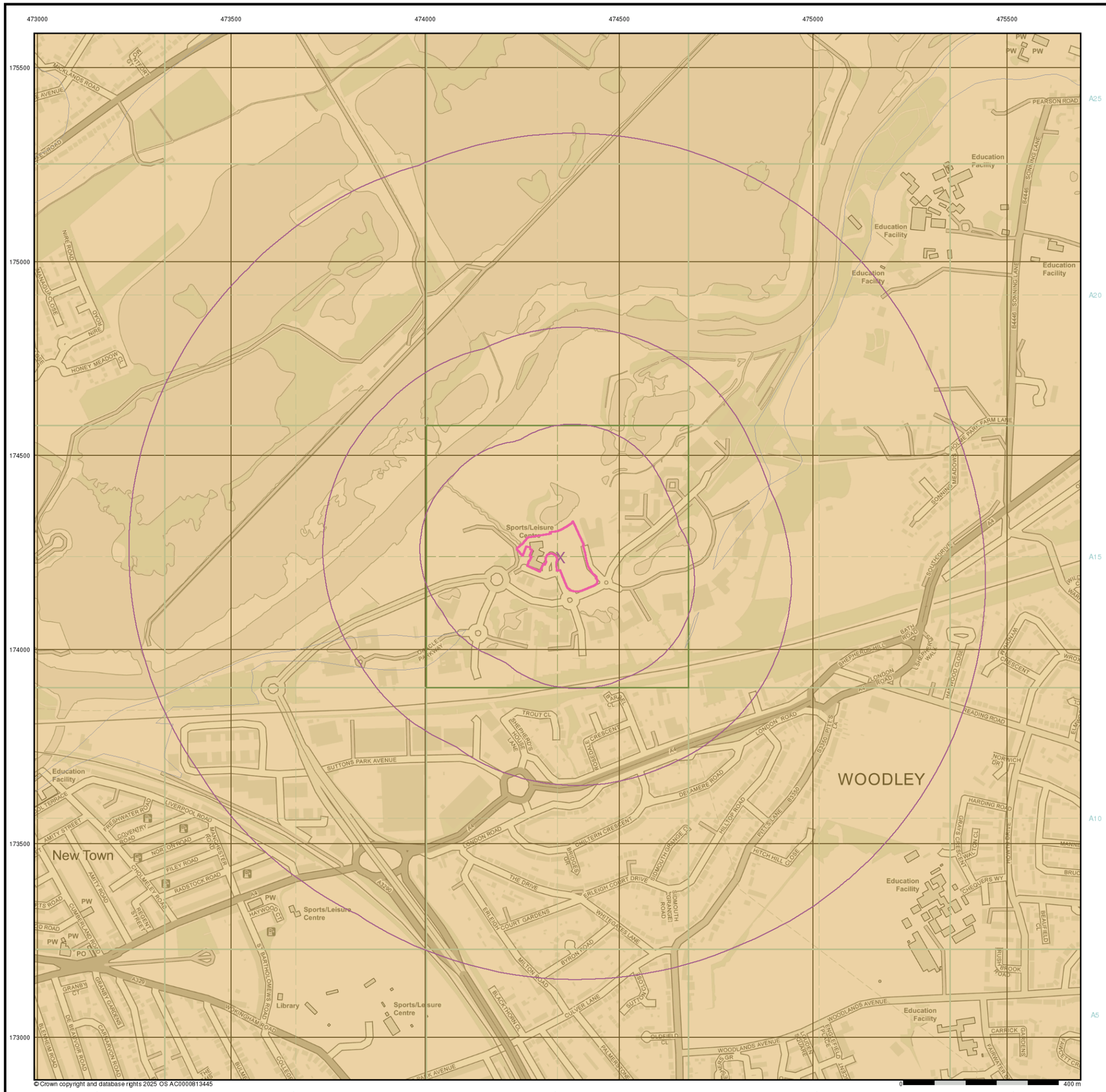


General

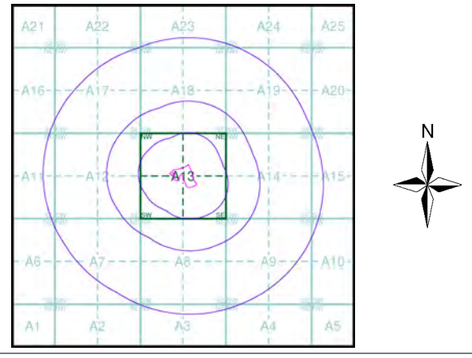
Specified Site | Specified Buffer(s) | X Bearing Reference Point

Estimated Soil Chemistry Cadmium

Cadmium Concentrations mg/kg

- < 1.8
- 1.8 - 2.2
- 2.2 - 3.0
- > 3.0

Estimated Soil Chemistry Cadmium - Slice A



Order Details

Order Details:	389253869_1_1
Customer Ref:	30799
National Grid Reference:	474350, 174240
Slice:	A
Site Area (Ha):	1.75
Search Buffer (m):	1000

Site Details

David Lloyd Sports Centre, Thames Valley Park Drive, READING, RG6 1PT

Landmark INFORMATION GROUP
Tel: 0844 844 9952
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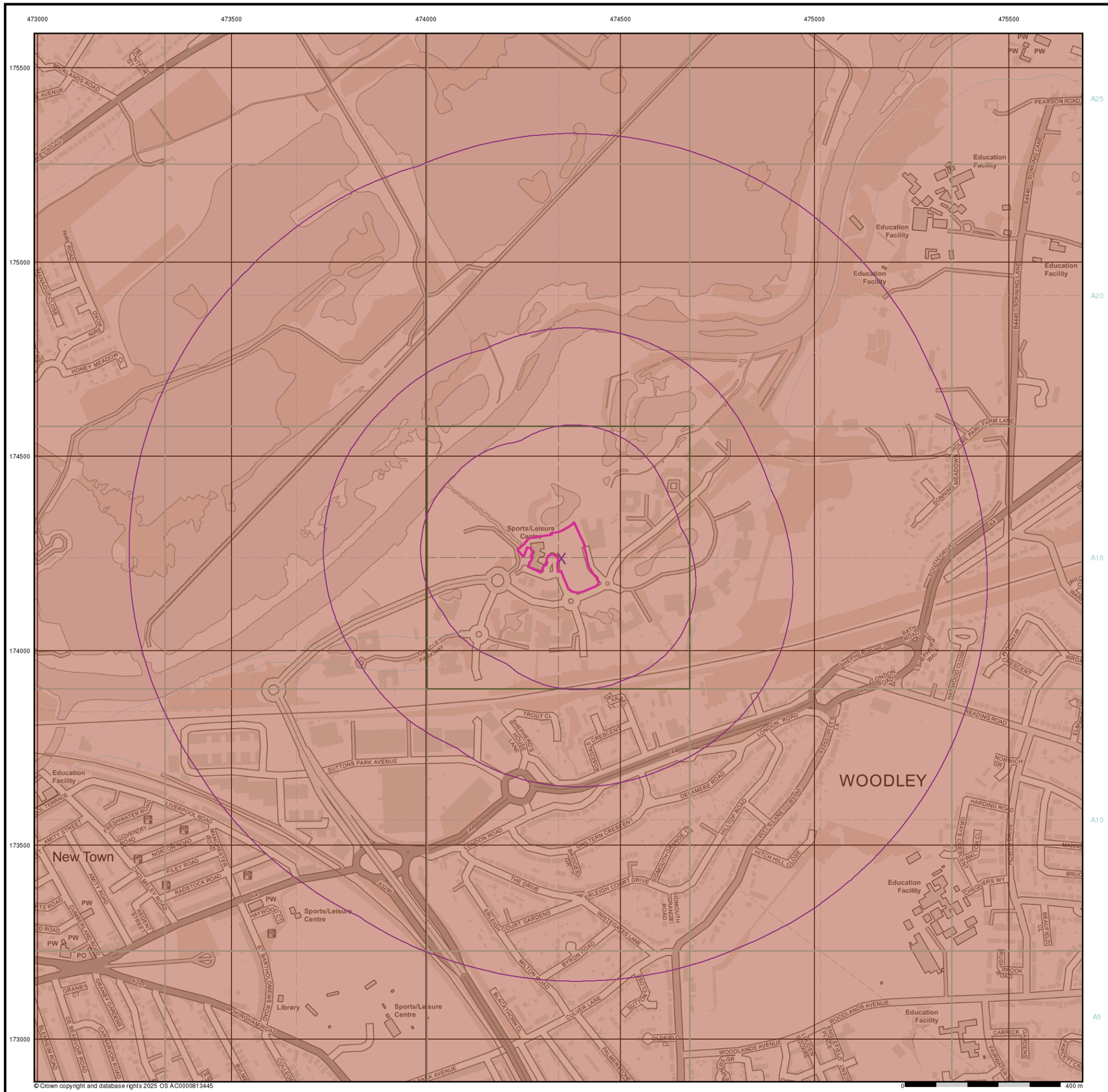
Web: www.envirocheck.co.uk



jpp

General

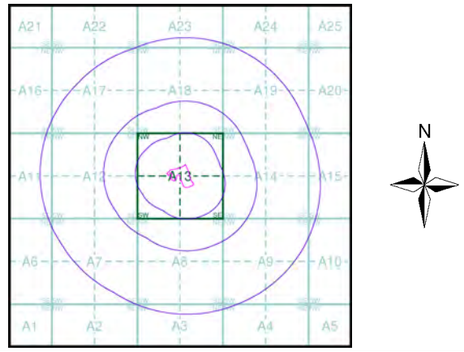
Specified Site | Specified Buffer(s) | X Bearing Reference Point

Estimated Soil Chemistry Chromium

Chromium Concentrations mg/kg

- < 20
- 20 - 40
- 40 - 60
- 60 - 90
- 90 - 120
- 120 - 180
- > 180

Estimated Soil Chemistry Chromium - Slice A



Order Details

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Slice:	A
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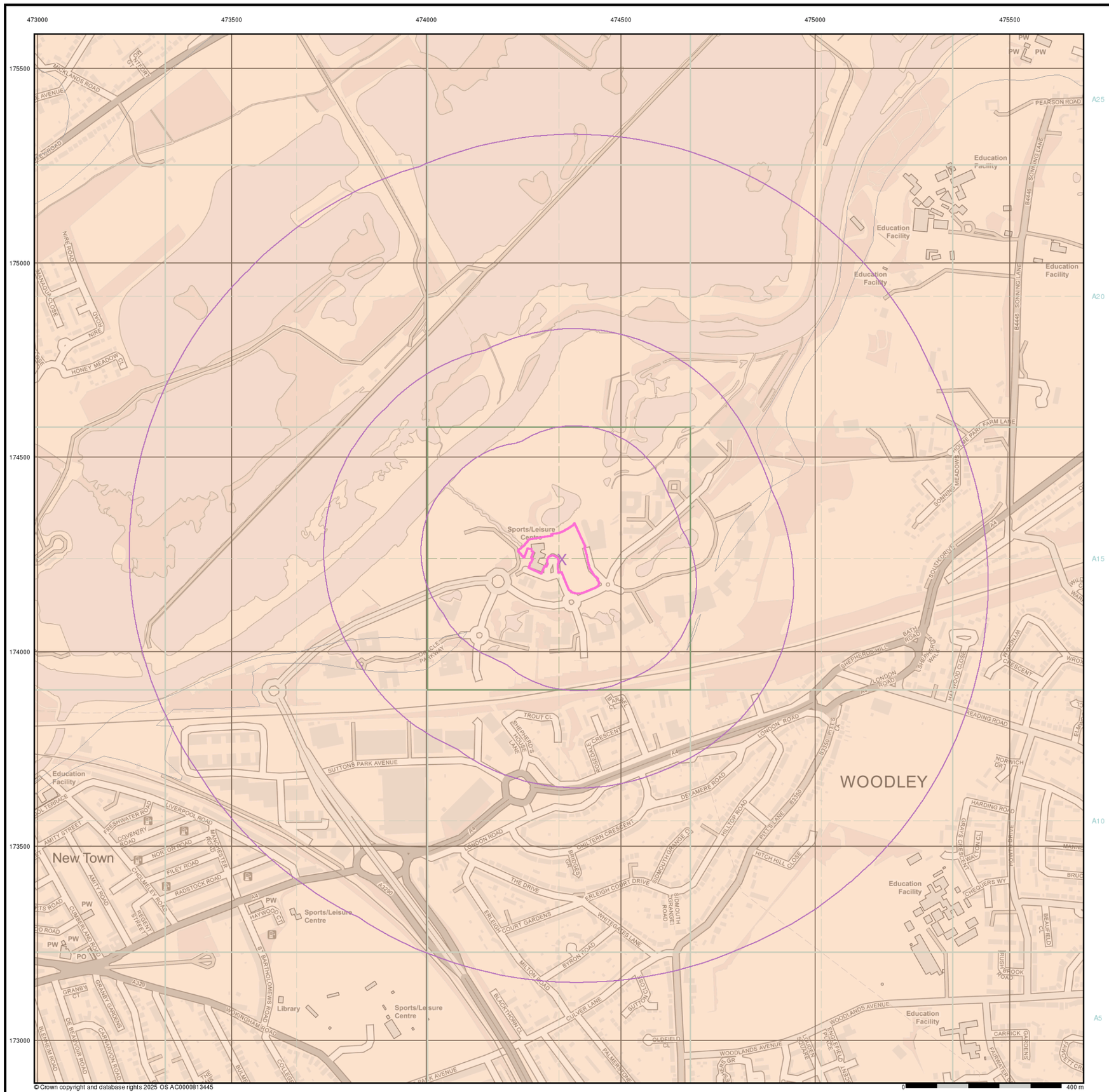

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General

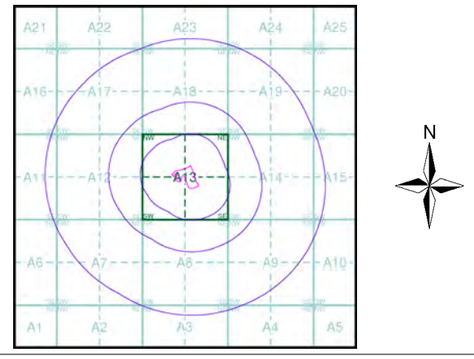
Specified Site | Specified Buffer(s) | X Bearing Reference Point

Estimated Soil Chemistry Lead

Lead Concentrations mg/kg

- <100 mg/kg
- 100 - 200
- 200 - 300
- 300 - 600
- 600 - 1200
- >1200

Estimated Soil Chemistry Lead - Slice A



Order Details

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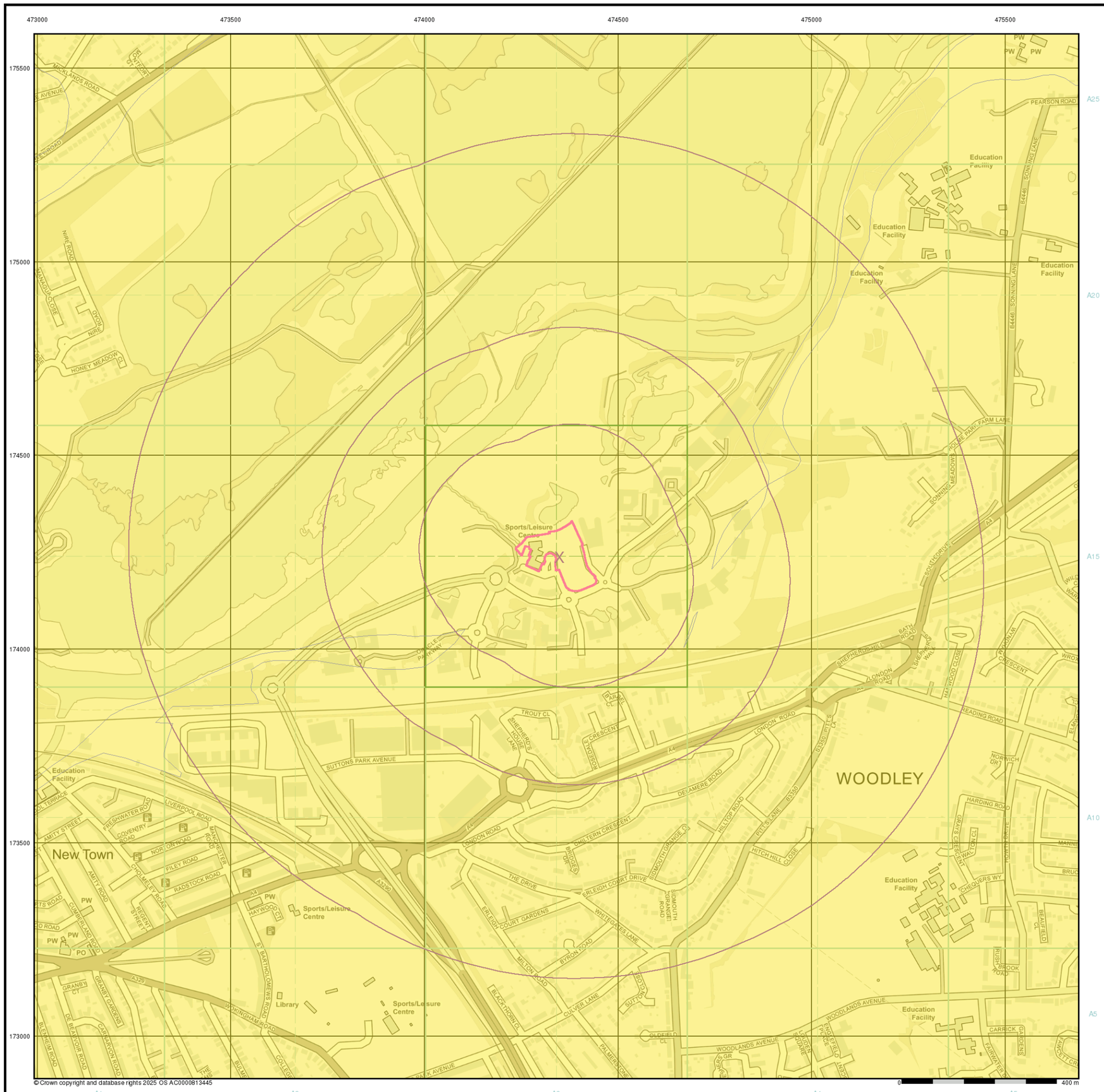


General

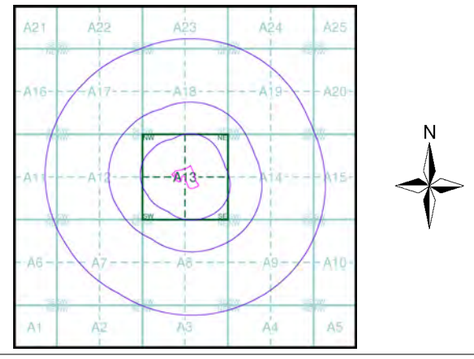
Specified Site | Specified Buffer(s) | X Bearing Reference Point

Estimated Soil Chemistry Nickel

Nickel Concentrations mg/kg

- < 15
- 15 - 30
- 30 - 45
- 45 - 60
- 60 - 80
- 80 - 100
- > 100

Estimated Soil Chemistry Nickel - Slice A



Order Details

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National Grid Reference:	474350, 174240
Slice:	A
Site Area (Ha):	1.75
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Site Details

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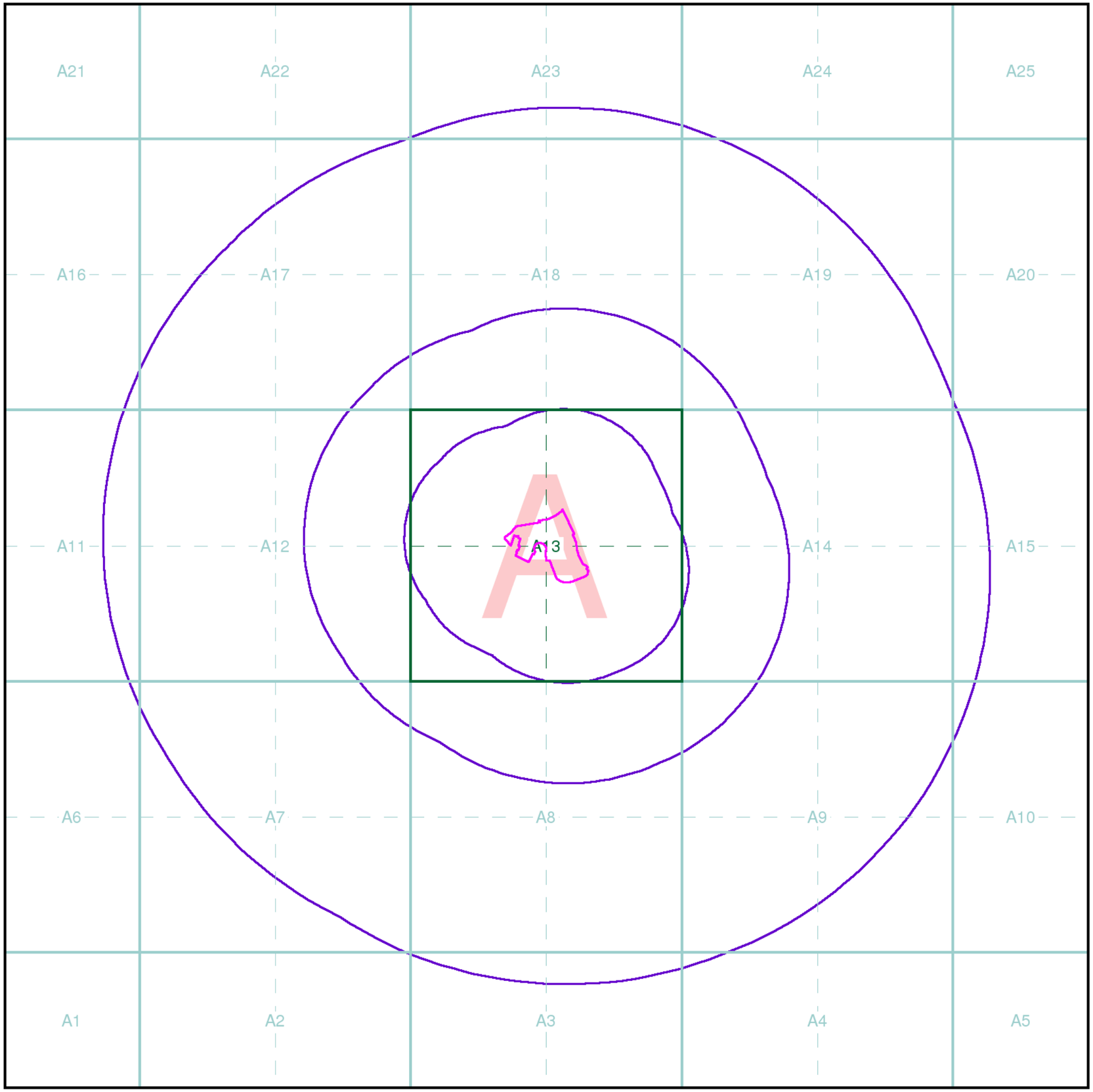

Index Map

For ease of identification, your site and buffer have been split into Slices, Segments and Quadrants. These are illustrated on the Index Map opposite and explained further below.

Slice
Each slice represents a 1:10,000 plot area (2.7km x 2.7km) for your site and buffer. A large site and buffer may be made up of several slices (represented by a red outline), that are referenced by letters of the alphabet, starting from the bottom left corner of the slice "grid". This grid does not relate to National Grid lines but is designed to give best fit over the site and buffer.

Segment
A segment represents a 1:2,500 plot area. Segments that have plot files associated with them are shown in dark green, others in light blue. These are numbered from the bottom left hand corner within each slice.

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.

A selection of organisations who provide data within this report:

Envirocheck reports are compiled from 136 different sources of data.

Client Details

Mrs L Crawford, JPP Geotechnical & Environmental Ltd,
Grand Union Works, Whilton Locks, Daventry,
Northampton, Northamptonshire, NN11 2NH

Order Details

Order Number:	389253869_1_1
Customer Ref:	30799
National Grid Reference:	474350, 174240
Site Area (Ha):	1.75
Search Buffer (m):	1000

Site Details

David Lloyd Sports Centre, Thames Valley Park Drive,
READING, RG6 1PT

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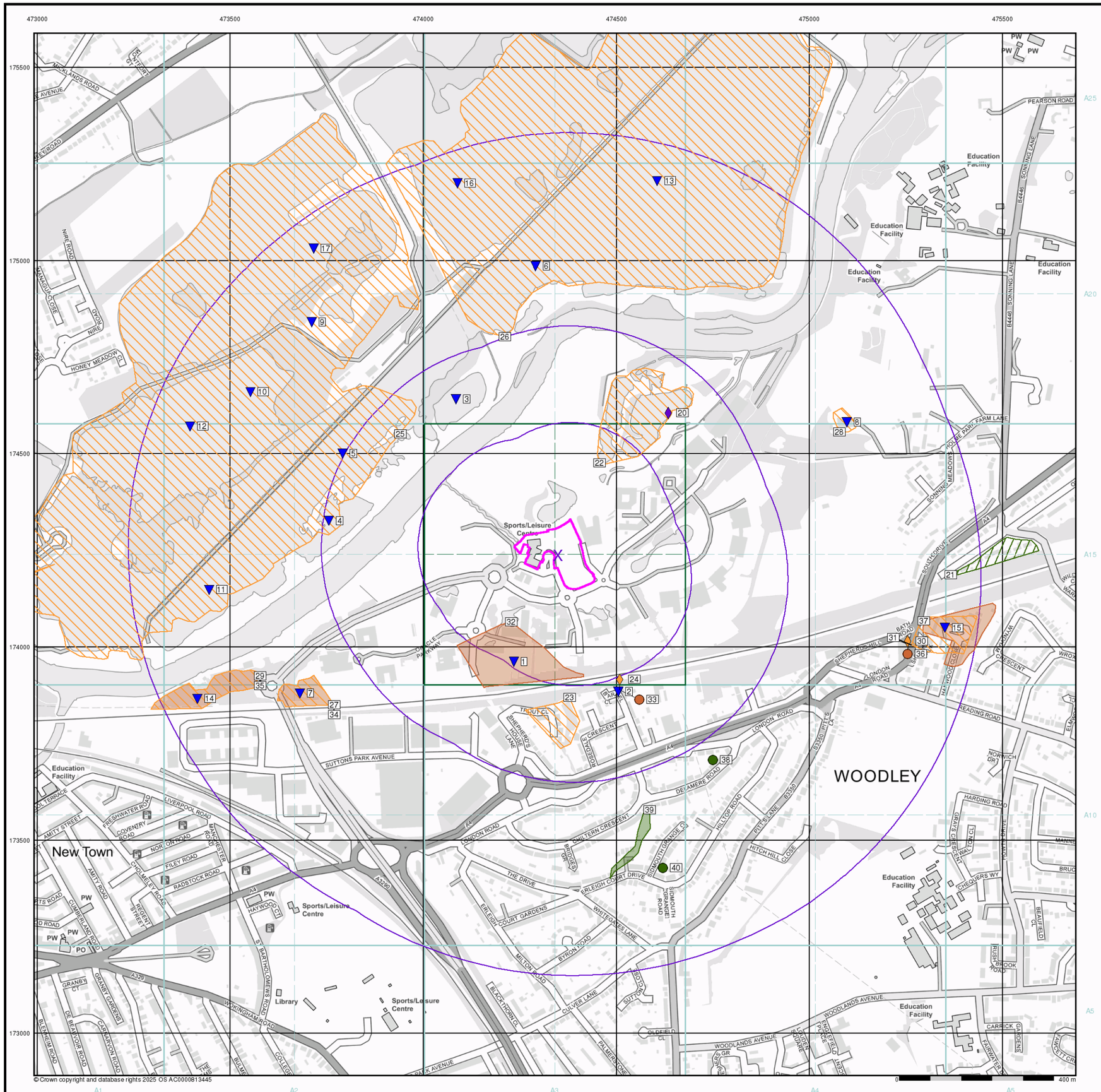

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Historical Land Use Information (1:10,000)

General

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

Several of Type at Location

Potentially Contaminative Industrial Uses (Past Land Uses - Mining)

	Point	Line	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

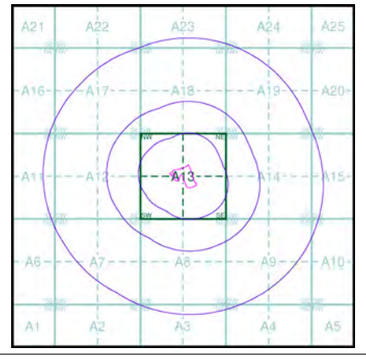
	Point	Line	Polygon
Potentially Infilled Land (Non-Water)	●		
Potentially Infilled Land (Water)	●		
Former Marsh	✠		

Mining Data

Potential Mining Area

BGS Recorded Mineral Site

Mining and Ground Stability - Slice A



Order Details

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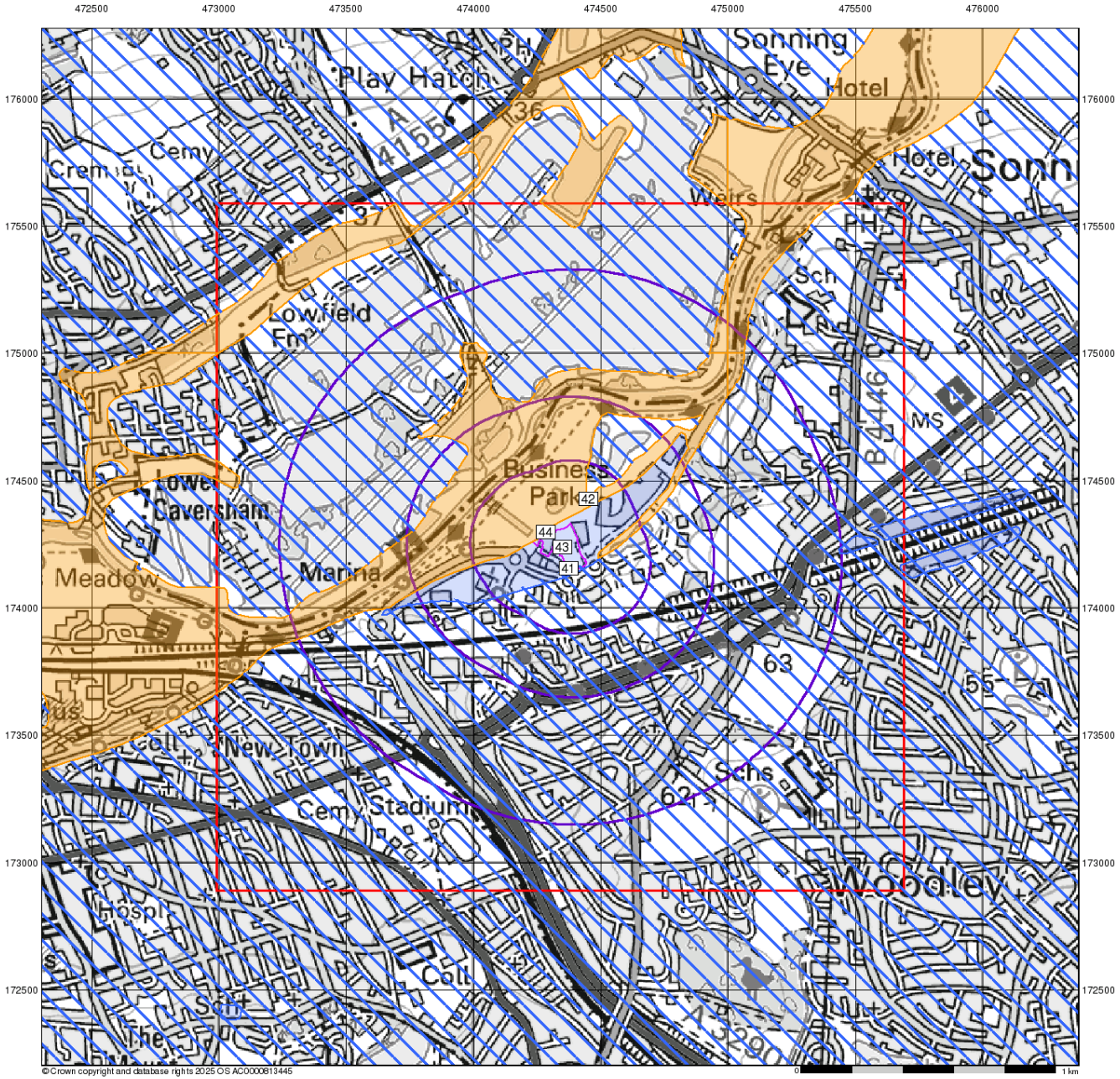


Ground Stability Data (1:50,000)

General

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

Potential for Compressible Ground Stability Hazards

High | Low | Moderate | Very Low

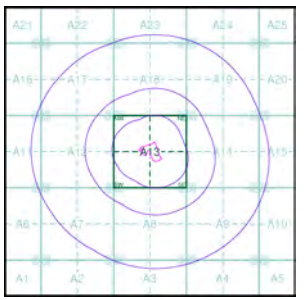
Potential for Collapsible Ground Stability Hazards

High | Low | Moderate | Very Low

Brine Pumping and Salt Mining

	Point	Polygon
Brine Pumping Related Feature	▲	▨
Salt Mining Related Feature	▲	▨

Mining and Ground Stability - Slice A



Order Details

Order Number:	389253869_1_1
Customer Ref:	30799
National Grid Reference:	474350, 174240
Slice:	A
Site Area (Ha):	1.75
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Site Details

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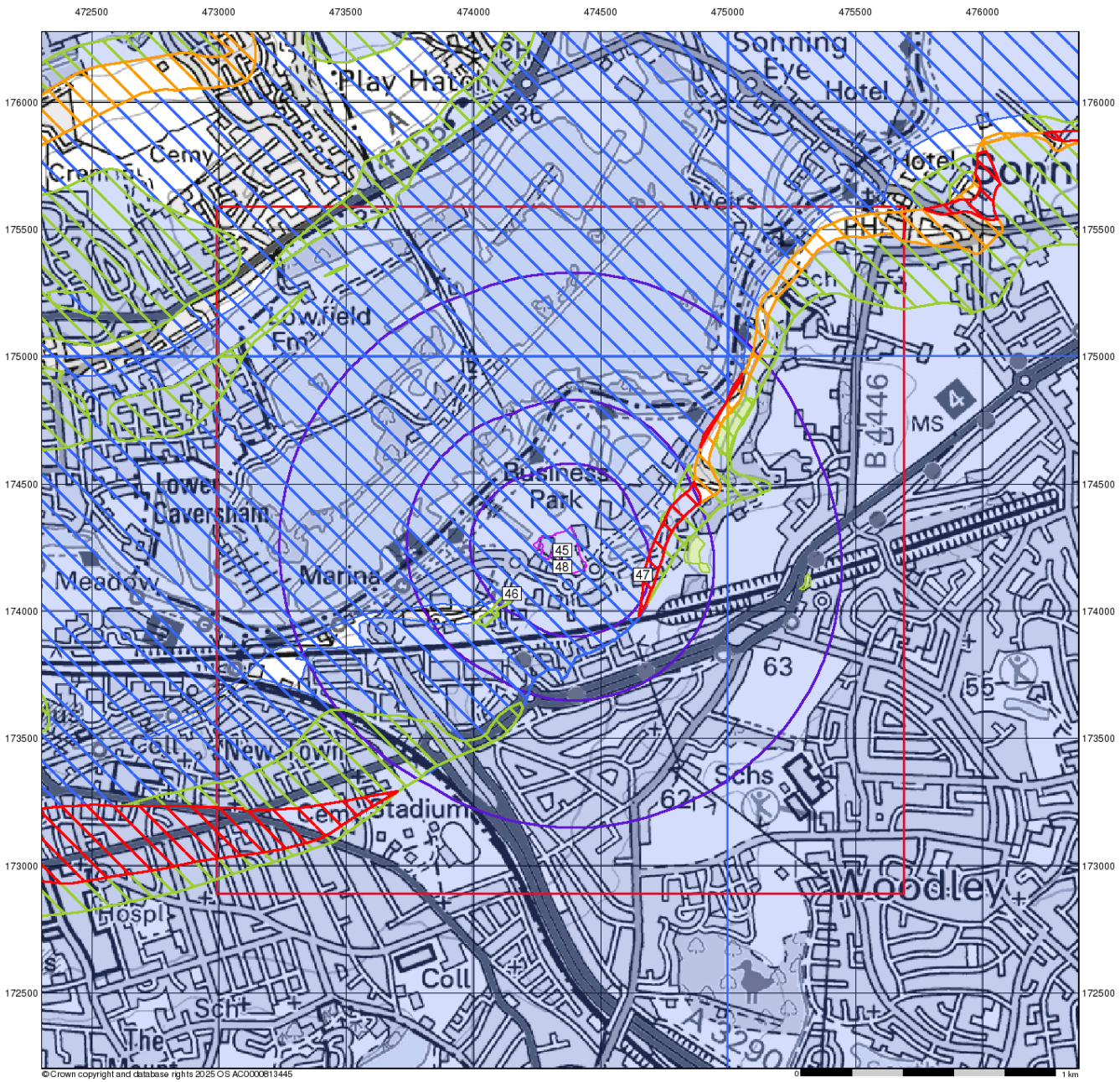


Ground Stability Data (1:50,000)

General

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

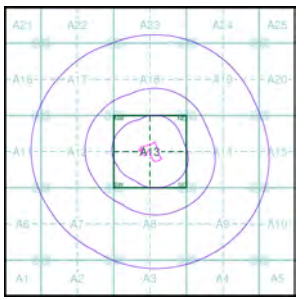
Potential for Landslide Ground Stability Hazards

High | Low
Moderate | Very Low

Potential for Ground Dissolution Stability Hazards

High | Low
Moderate | Very Low

Mining and Ground Stability - Slice A



Order Details

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Slice:	A
Site Area (Ha):	1.75
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Site Details

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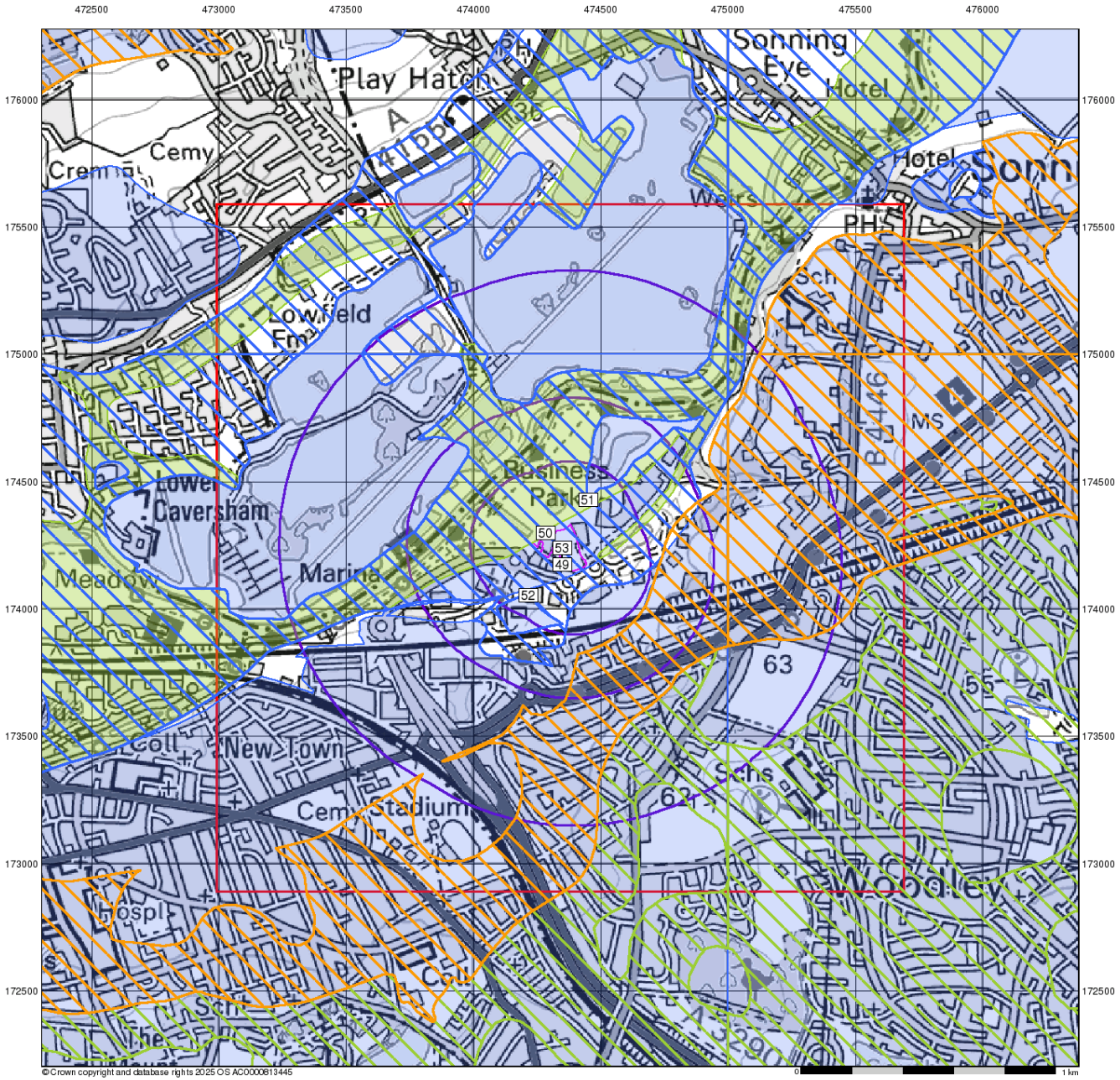


Ground Stability Data (1:50,000)

General

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

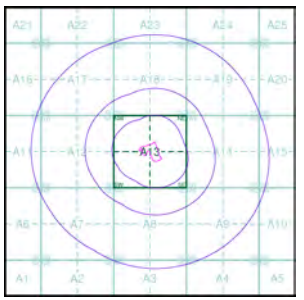
Potential for Running Sand Ground Stability Hazards

High | Low
Moderate | Very Low

Potential for Shrinking or Swelling Clay Ground Stability Hazards

High | Low
Moderate | Very Low

Mining and Ground Stability - Slice A



Order Details

Order Number:	389253869_1_1
Customer Ref:	30799
National Grid Reference:	474350, 174240
Slice:	A
Site Area (Ha):	1.75
Search Buffer (m):	1000

Site Details

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Envirocheck® Report:

Mining and Ground Stability Datasheet

Order Details:

Order Number:
389253869_1_1

Customer Reference:
30799

National Grid Reference:
474350, 174240

Slice:
A

Site Area (Ha):
1.75

Search Buffer (m):
1000

Site Details:

David Lloyd Sports Centre
Thames Valley Park Drive
READING
RG6 1PT

Client Details:

Mrs L Crawford
JPP Geotechnical & Environmental Ltd
Grand Union Works
Whilton Locks
Daventry
Northampton
Northamptonshire
NN11 2NH

Contents

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)	4
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)	5
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)	6
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	8
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	10
Data Suppliers	11
Useful Contacts	12

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The brine subsidence data relating to the Driotwich 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.

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Report Version v53.0

Summary

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	3	13
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	pg 3		Yes	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 4	1	1	n/a	n/a
Subterranean Features (100m)				n/a	n/a
Historical Land Use Information (1:10,000)					
Air Shafts					
Disturbed Ground	pg 5			1	
General Quarrying					
Heap, unknown constituents	pg 5				1
Mineral Railway					
Mining & quarrying general					
Mining of coal & lignite					
Quarrying of sand & clay, operation of sand & gravel pits	pg 5		1	3	6
Former Marshes					
Potentially Infilled Land (Non-Water)	pg 5		1	1	4
Potentially Infilled Land (Water)	pg 5				3
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 6	Yes	Yes	n/a	n/a
Potential for Compressible Ground Stability Hazards	pg 6	Yes	Yes	n/a	n/a
Potential for Ground Dissolution Stability Hazards	pg 6	Yes	Yes	n/a	n/a
Potential for Landslide Ground Stability Hazards	pg 6	Yes	Yes	n/a	n/a
Potential for Running Sand Ground Stability Hazards	pg 6	Yes	Yes	n/a	n/a
Potential for Shrinking or Swelling Clay Ground Stability Hazards	pg 6	Yes	Yes	n/a	n/a
Salt Mining Related Features					

Summary

Report Version v53.0

Mining and Natural Cavities Data

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
1	**BGS Recorded Mineral Sites** Site Name: New Town Brick Works Location: New Town, Reading, Berkshire Source: British Geological Survey, National Geoscience Information Service Reference: 36337 Type: Opencast **Status: Ceased** Operator: Unknown Operator Operator Location: Not Supplied Periodic Type: Cretaceous Geology: White Chalk Subgroup Commodity: Common Clay and Shale Positional Accuracy: Located by supplier to within 10m	A13SW (SW)	234	1	474234 173966
2	**BGS Recorded Mineral Sites** Site Name: New Town Gravel Pit Location: New Town, Reading, Berkshire Source: British Geological Survey, National Geoscience Information Service Reference: 36350 Type: Opencast **Status: Ceased** Operator: Unknown Operator Operator Location: Not Supplied Periodic Type: Quaternary Geology: Kempton Park Gravel Member Commodity: Sand and Gravel Positional Accuracy: Located by supplier to within 10m	A8NE (SE)	282	1	474504 173888
3	**BGS Recorded Mineral Sites** Site Name: Caversham Quarry Location: Sonning, Reading, Oxfordshire Source: British Geological Survey, National Geoscience Information Service Reference: 234965 Type: Opencast **Status: Ceased** Operator: Lafarge Aggregates Ltd. Operator Location: Not Supplied Periodic Type: Quaternary, Devensian Geology: Kempton Park Gravel Member Commodity: Sand and Gravel Positional Accuracy: Located by supplier to within 10m	A18SW (NW)	400	1	474084 174645
4	**BGS Recorded Mineral Sites** Site Name: Caversham Quarry Location: Sonning, Reading, Oxfordshire Source: British Geological Survey, National Geoscience Information Service Reference: 234966 Type: Opencast **Status: Ceased** Operator: Lafarge Aggregates Ltd. Operator Location: Not Supplied Periodic Type: Quaternary, Devensian Geology: Kempton Park Gravel Member Commodity: Sand and Gravel Positional Accuracy: Located by supplier to within 10m	A12NE (W)	487	1	473755 174331
5	**BGS Recorded Mineral Sites** Site Name: Caversham Quarry Location: Caversham, Reading, Oxfordshire Source: British Geological Survey, National Geoscience Information Service Reference: 137477 Type: Opencast **Status: Ceased** Operator: Lafarge Aggregates Ltd. Operator Location: Not Supplied Periodic Type: Quaternary Geology: Kempton Park Gravel Member Commodity: Sand and Gravel Positional Accuracy: Located by supplier to within 10m	A12NE (NW)	509	1	473790 174505
6	**BGS Recorded Mineral Sites** Site Name: Caversham Quarry Location: Sonning, Reading, Oxfordshire Source: British Geological Survey, National Geoscience Information Service Reference: 234964 Type: Opencast **Status: Ceased** Operator: Lafarge Aggregates Ltd. Operator Location: Not Supplied Periodic Type: Quaternary, Devensian Geology: Kempton Park Gravel Member Commodity: Sand and Gravel Positional Accuracy: Located by supplier to within 10m	A18NW (N)	666	1	474290 174990

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
7	**BGS Recorded Mineral Sites** Site Name: New Town Gravel Pit Location: New Town, Reading, Berkshire Source: British Geological Survey, National Geoscience Information Service Reference: 36348 Type: Opencast **Status: Ceased** Operator: Unknown Operator Operator Location: Not Supplied Periodic Type: Quaternary Geology: Kempton Park Gravel Member Commodity: Sand and Gravel Positional Accuracy: Located by supplier to within 10m	A7NE (SW)	670	1	473680 173884
8	**BGS Recorded Mineral Sites** Site Name: Holme Park Farm Gravel Pit Location: Sonning, Reading, Berkshire Source: British Geological Survey, National Geoscience Information Service Reference: 137472 Type: Opencast **Status: Ceased** Operator: Unknown Operator Operator Location: Not Supplied Periodic Type: Quaternary Geology: Boyn Hill Gravel Member Commodity: Sand and Gravel Positional Accuracy: Located by supplier to within 10m	A19SE (NE)	757	1	475096 174586
9	**BGS Recorded Mineral Sites** Site Name: Caversham Quarry Location: Henley Road, Dunsden, Reading, Berkshire Source: British Geological Survey, National Geoscience Information Service Reference: 3618 Type: Opencast **Status: Ceased** Operator: Lafarge Aggregates Ltd. Operator Location: Not Supplied Periodic Type: Quaternary Geology: Kempton Park Gravel Member (River Thames Gravels) Commodity: Sand and Gravel Positional Accuracy: Located by supplier to within 10m	A17SE (NW)	786	1	473710 174845
10	**BGS Recorded Mineral Sites** Site Name: Caversham Quarry Location: Sonning, Reading, Oxfordshire Source: British Geological Survey, National Geoscience Information Service Reference: 234967 Type: Opencast **Status: Ceased** Operator: Lafarge Aggregates Ltd. Operator Location: Not Supplied Periodic Type: Quaternary, Devensian Geology: Kempton Park Gravel Member Commodity: Sand and Gravel Positional Accuracy: Located by supplier to within 10m	A17SW (NW)	795	1	473552 174664
11	**BGS Recorded Mineral Sites** Site Name: Caversham Quarry Location: Sonning, Reading, Oxfordshire Source: British Geological Survey, National Geoscience Information Service Reference: 234969 Type: Opencast **Status: Ceased** Operator: Lafarge Aggregates Ltd. Operator Location: Not Supplied Periodic Type: Quaternary, Devensian Geology: Kempton Park Gravel Member Commodity: Sand and Gravel Positional Accuracy: Located by supplier to within 10m	A12SW (W)	799	1	473445 174152
12	**BGS Recorded Mineral Sites** Site Name: Caversham Quarry Location: Caversham, Reading, Oxfordshire Source: British Geological Survey, National Geoscience Information Service Reference: 137476 Type: Opencast **Status: Ceased** Operator: Lafarge Aggregates Ltd. Operator Location: Not Supplied Periodic Type: Quaternary Geology: Kempton Park Gravel Member Commodity: Sand and Gravel Positional Accuracy: Located by supplier to within 10m	A12NW (W)	899	1	473395 174575

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
13	**BGS Recorded Mineral Sites** Site Name: Sonning Eye Gravel Pit Location: Sonning, Reading, Oxfordshire Source: British Geological Survey, National Geoscience Information Service Reference: 137475 Type: Opencast **Status: Ceased** Operator: Lafarge Aggregates Ltd. Operator Location: Not Supplied Periodic Type: Quaternary Geology: Kempton Park Gravel Member Commodity: Sand and Gravel Positional Accuracy: Located by supplier to within 10m	A18NE (N)	908	1	474605 175210
14	**BGS Recorded Mineral Sites** Site Name: New Town Gravel Pit Location: New Town, Reading, Berkshire Source: British Geological Survey, National Geoscience Information Service Reference: 36347 Type: Opencast **Status: Ceased** Operator: Unknown Operator Operator Location: Not Supplied Periodic Type: Quaternary Geology: Kempton Park Gravel Member Commodity: Sand and Gravel Positional Accuracy: Located by supplier to within 10m	A7NW (W)	909	1	473414 173870
15	**BGS Recorded Mineral Sites** Site Name: Woodley Gravel Pit Location: Woodley, Reading, Berkshire Source: British Geological Survey, National Geoscience Information Service Reference: 36407 Type: Opencast **Status: Ceased** Operator: Unknown Operator Operator Location: Not Supplied Periodic Type: Quaternary Geology: Boyn Hill Gravel Member Commodity: Sand and Gravel Positional Accuracy: Located by supplier to within 10m	A14SE (E)	914	1	475350 174054
16	**BGS Recorded Mineral Sites** Site Name: Caversham Quarry Location: Sonning, Reading, Oxfordshire Source: British Geological Survey, National Geoscience Information Service Reference: 234963 Type: Opencast **Status: Ceased** Operator: Lafarge Aggregates Ltd. Operator Location: Not Supplied Periodic Type: Quaternary, Devensian Geology: Kempton Park Gravel Member Commodity: Sand and Gravel Positional Accuracy: Located by supplier to within 10m	A18NW (N)	922	1	474088 175204
17	**BGS Recorded Mineral Sites** Site Name: Eye And Dundsen Gravel Pit Location: Reading, Berkshire Source: British Geological Survey, National Geoscience Information Service Reference: 236034 Type: Opencast **Status: Ceased** Operator: Redland Aggregates Operator Location: Not Supplied Periodic Type: Quaternary Geology: Kempton Park Gravel Member (River Thames Gravels) Commodity: Sand and Gravel Positional Accuracy: Located by supplier to within 10m	A17NE (NW)	927	1	473715 175035
	Coal Mining Affected Areas In an area which may not be affected by coal mining				
	Non Coal Mining Areas of Great Britain Risk: Highly Unlikely Source: British Geological Survey, National Geoscience Information Service	A13SE (SE)	112	1	474450 174050
	Non Coal Mining Areas of Great Britain Risk: Highly Unlikely Source: British Geological Survey, National Geoscience Information Service	A13SW (SW)	230	1	474104 174050

Historical Land Use Information (1:2,500)

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
18	**Extractive Industries or Potential Excavations from 1950-1980** Use: Water First Map Published Date: 1965 Last Map Published Date: 1966	A13SE (SE)	0	2	474390 174163
19	**Extractive Industries or Potential Excavations from 1950-1980** Use: Railway Embankment First Map Published Date: 1965 Last Map Published Date: 1966	A13SE (E)	63	2	474500 174218

Historical Land Use Information (1:10,000)

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
20	**Disturbed Ground** Use: Not Supplied Date of Mapping: 1962	A18SE (NE)	374	2	474633 174606
21	**Heap, unknown constituents** Use: Not Supplied Date of Mapping: 1882 - 1960	A15SW (E)	921	2	475365 174187
22	**Quarrying of sand & clay, operation of sand & gravel pits** Use: Not Supplied Date of Mapping: 1995	A13NE (NE)	165	2	474455 174477
23	**Quarrying of sand & clay, operation of sand & gravel pits** Use: Not Supplied Date of Mapping: 1962	A8NE (S)	281	2	474378 173870
24	**Quarrying of sand & clay, operation of sand & gravel pits** Use: Not Supplied Date of Mapping: 1883	A8NE (SE)	283	2	474508 173889
25	**Quarrying of sand & clay, operation of sand & gravel pits** Use: Not Supplied Date of Mapping: 1991	A12NE (NW)	415	2	473940 174552
26	**Quarrying of sand & clay, operation of sand & gravel pits** Use: Not Supplied Date of Mapping: 1991	A18SW (N)	503	2	474211 174803
27	**Quarrying of sand & clay, operation of sand & gravel pits** Use: Not Supplied Date of Mapping: 1883	A7NE (SW)	615	2	473768 173850
28	**Quarrying of sand & clay, operation of sand & gravel pits** Use: Not Supplied Date of Mapping: 1882 - 1914	A14NE (NE)	727	2	475077 174556
29	**Quarrying of sand & clay, operation of sand & gravel pits** Use: Not Supplied Date of Mapping: 1883	A12SW (W)	739	2	473577 173925
30	**Quarrying of sand & clay, operation of sand & gravel pits** Use: Not Supplied Date of Mapping: 1932	A14SE (E)	826	2	475254 174015
31	**Quarrying of sand & clay, operation of sand & gravel pits** Use: Not Supplied Date of Mapping: 1900 - 1932	A14SE (E)	838	2	475263 174004
32	**Potentially Infilled Land (Non-Water)** Use: Unknown Filled Ground (Pit, quarry etc) Date of Mapping: 1995	A13SW (SW)	152	2	474227 174065
33	**Potentially Infilled Land (Non-Water)** Use: Unknown Filled Ground (Pit, quarry etc) Date of Mapping: 1995	A8NE (SE)	283	2	474508 173889
34	**Potentially Infilled Land (Non-Water)** Use: Unknown Filled Ground (Pit, quarry etc) Date of Mapping: 1995	A7NE (SW)	615	2	473768 173850
35	**Potentially Infilled Land (Non-Water)** Use: Unknown Filled Ground (Pit, quarry etc) Date of Mapping: 1995	A12SW (W)	739	2	473577 173925
36	**Potentially Infilled Land (Non-Water)** Use: Unknown Filled Ground (Pit, quarry etc) Date of Mapping: 1988	A14SE (E)	826	2	475254 174015
37	**Potentially Infilled Land (Non-Water)** Use: Unknown Filled Ground (Pit, quarry etc) Date of Mapping: 1988	A14SE (E)	858	2	475295 174068
38	**Potentially Infilled Land (Water)** Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1931	A9NW (SE)	554	2	474750 173708
39	**Potentially Infilled Land (Water)** Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1931	A8NE (S)	601	2	474585 173578
40	**Potentially Infilled Land (Water)** Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1883	A8SE (S)	755	2	474620 173428

Ground Stability Data (1:50,000)

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	A13SE (S)	0	1	474374 174156
42	**Potential for Collapsible Ground Stability Hazards** Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	A13NE (NE)	120	1	474451 174427
	Potential for Collapsible Ground Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	A13SE (N)	0	1	474349 174238
43	**Potential for Compressible Ground Stability Hazards** Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	A13SE (N)	0	1	474349 174238
44	**Potential for Compressible Ground Stability Hazards** Hazard Potential: Moderate Source: British Geological Survey, National Geoscience Information Service	A13NW (NW)	0	1	474283 174297
	Potential for Compressible Ground Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	A13SE (S)	10	1	474392 174132
	Potential for Compressible Ground Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	A13NE (NE)	120	1	474451 174427
45	**Potential for Ground Dissolution Stability Hazards** Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	A13SE (N)	0	1	474349 174238
46	**Potential for Ground Dissolution Stability Hazards** Hazard Potential: Low Source: British Geological Survey, National Geoscience Information Service	A13SW (SW)	187	1	474149 174068
47	**Potential for Ground Dissolution Stability Hazards** Hazard Potential: High Source: British Geological Survey, National Geoscience Information Service	A13SE (E)	222	1	474664 174143
48	**Potential for Landslide Ground Stability Hazards** Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	A13SE (N)	0	1	474349 174238
	Potential for Landslide Ground Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	A13SW (SW)	241	1	474098 174042
49	**Potential for Running Sand Ground Stability Hazards** Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	A13SE (N)	0	1	474349 174238
50	**Potential for Running Sand Ground Stability Hazards** Hazard Potential: Low Source: British Geological Survey, National Geoscience Information Service	A13NW (NW)	0	1	474283 174297
51	**Potential for Running Sand Ground Stability Hazards** Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	A13NE (NE)	120	1	474451 174427
52	**Potential for Running Sand Ground Stability Hazards** Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	A13SW (SW)	168	1	474216 174053
	Potential for Running Sand Ground Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	A13SE (S)	10	1	474392 174132
53	**Potential for Shrinking or Swelling Clay Ground Stability Hazards** Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	A13SE (N)	0	1	474349 174238
	Potential for Shrinking or Swelling Clay Ground Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	A13SE (SE)	89	1	474459 174078

Ground Stability Data (1:50,000)

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	Potential for Shrinking or Swelling Clay Ground Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	A13NE (NE)	120	1	474451 174427
	Potential for Shrinking or Swelling Clay Ground Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	A13SW (SW)	168	1	474216 174053

Historical Map List

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

1:2,500	Mapsheet	Published Date
Berkshire	029_16	1879
Oxfordshire	056_16	1879
Oxfordshire	056_16	1898
Berkshire	029_16	1913
Berkshire	029_16	1932
Ordnance Survey Plan	SU7474	1966

Historical Map List

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

1:10,560	Mapsheet	Published Date
Berkshire	030_00	1882
Oxfordshire	056_00	1882
Berkshire	037_00	1883
Berkshire	038_00	1883
Berkshire	029_SE	1900
Berkshire	030_SW	1900
Berkshire	037_NE	1900
Berkshire	038_NW	1900
Oxfordshire	056_SE	1900
Oxfordshire	057_SW	1900
Oxfordshire	058_NE	1900
Berkshire	037_NE	1913
Berkshire	038_NW	1913
Oxfordshire	058_NE	1913
Berkshire	029_SE	1914
Berkshire	030_SW	1914
Oxfordshire	056_SE	1914
Oxfordshire	057_SW	1914
Berkshire	037_NE	1931
Berkshire	029_SE	1932
Berkshire	030_SW	1932
Berkshire	038_NW	1932
Ordnance Survey Plan	SU77NE	1960
Ordnance Survey Plan	SU77SE	1960
Ordnance Survey Plan	SU77NW	1961
Ordnance Survey Plan	SU77SW	1962
1:10,000	**Mapsheet**	**Published Date**
Ordnance Survey Plan	SU77SE	1988
Ordnance Survey Plan	SU77NW	1991
Ordnance Survey Plan	SU77NE	1994
Ordnance Survey Plan	SU77SW	1995

Data Currency

Mining and Cavities Data	Version	Update Cycle
BGS Recorded Mineral Sites British Geological Survey - National Geoscience Information Service	April 2025	Bi-Annually
Coal Mining Affected Areas The Coal Authority - Property Searches	February 2023	
Man Made Mining Cavities Stantec UK Ltd	May 2025	Bi-Annually
Mining Instability Ove Arup & Partners	June 1998	Not Applicable
Natural Cavities Stantec UK Ltd	May 2025	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	July 2023	Bi-Annually
Ground Stability Data (1:50,000)	**Version**	**Update Cycle**
CBSCB Compensation District Cheshire Brine Subsidence Compensation Board (CBSCB) Cheshire Brine Subsidence Compensation Board (CBSCB)	August 2011 November 2020	 As notified
Potential for Collapsible Ground Stability Hazards British Geological Survey - National Geoscience Information Service	April 2020	As notified
Potential for Compressible Ground Stability Hazards British Geological Survey - National Geoscience Information Service	January 2019	As notified
Potential for Ground Dissolution Stability Hazards British Geological Survey - National Geoscience Information Service	January 2019	As notified
Potential for Landslide Ground Stability Hazards British Geological Survey - National Geoscience Information Service	January 2019	As notified
Potential for Running Sand Ground Stability Hazards British Geological Survey - National Geoscience Information Service	January 2019	As notified
Potential for Shrinking or Swelling Clay Ground Stability Hazards British Geological Survey - National Geoscience Information Service	January 2019	As notified
Brine Subsidence Solution Area Johnson Poole & Bloomer	December 2020	

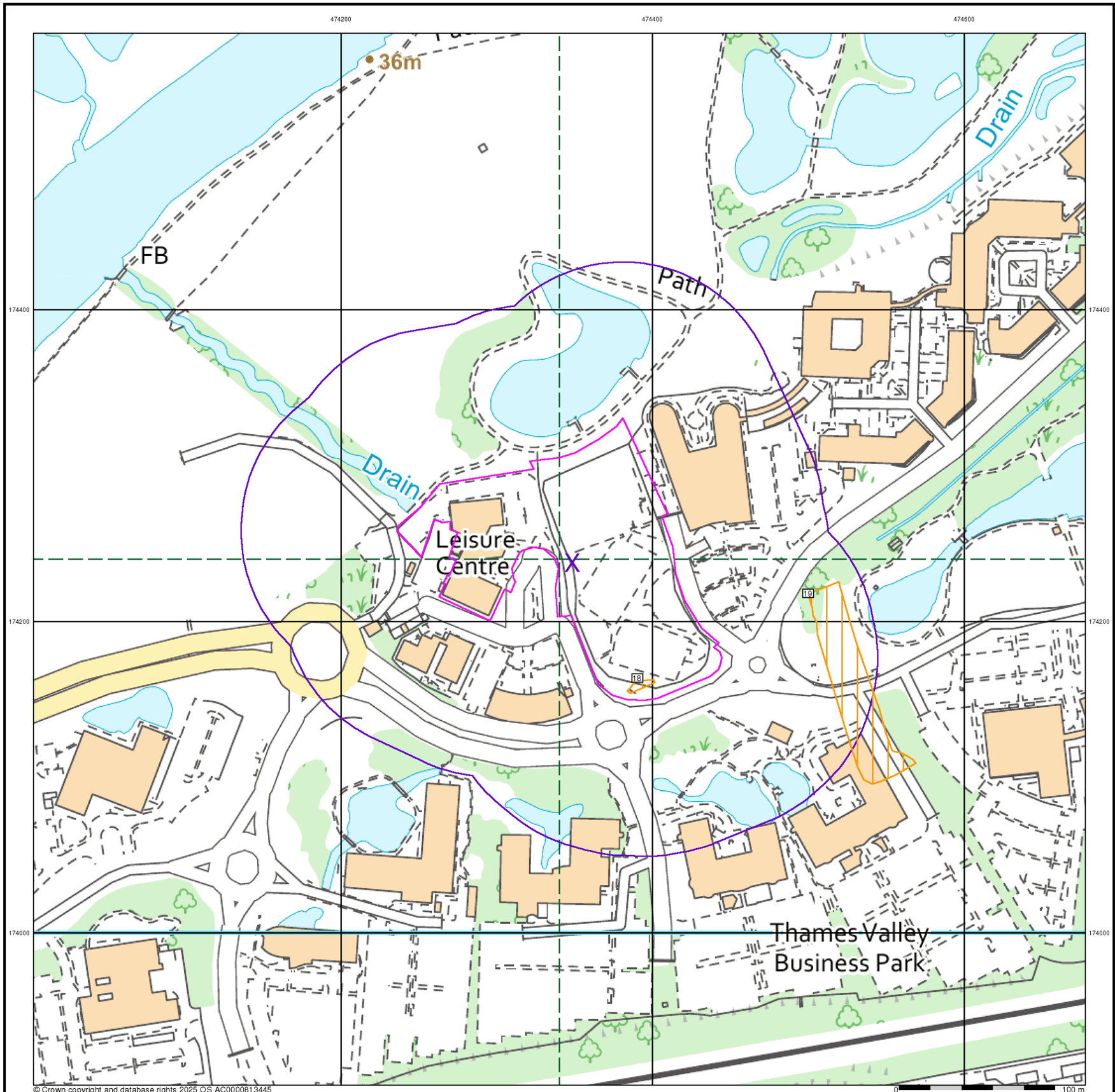
Data Suppliers

A selection of organisations who provide data within this report

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

Useful Contacts

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
2	**Landmark Information Group Limited** Landmark Information Group, Imperium, Imperial Way, Reading, Berkshire, RG2 0TD	Telephone: 0330 036 6619 Fax: 0844 844 9951 Email: helpdesk@landmark.co.uk Website: www.landmark.co.uk
-	**Landmark Information Group Limited** Landmark Information Group, Imperium, Imperial Way, Reading, Berkshire, RG2 0TD	Telephone: 0330 036 6618 Fax: 0844 844 9951 Email: helpdesk@landmark.co.uk Website: www.landmark.co.uk



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Historical Land Use Information (1:2,500)

General

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

Several of Type at Location

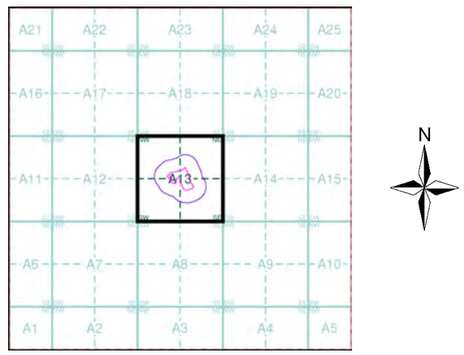
Potentially Contaminative Industrial Uses (Extractive Industries Activity)

	Point	Line	Polygon
Extractive Industries Activity from 1855 - 1909	▲	—	▭
Extractive Industries Activity from 1893 - 1915	▲	—	▨
Extractive Industries Activity from 1906 - 1937	▲	—	▦
Extractive Industries Activity from 1924 - 1949	▲	—	▨
Extractive Industries Activity from 1950 - 1980	▲	—	▥

Subterranean Features

	Point	Line	Polygon
Subterranean Features	▼	- - -	▭

Mining and Ground Stability - Segment A13



Order Details

Order Number:	389253869_1_1
Customer Ref:	30799
National Grid Reference:	474350, 174240
Slice:	A
Site Area (Ha):	1.75
Plot Buffer (m):	100

Site Details

David Lloyd Sports Centre, Thames Valley Park Drive, READING, RG6 1PT

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

Quarry
Gravel Pit
Sand Pit
Clay Pit
Shingle
Refuse Heap
Sloping Masonry
Flat Rock
Marsh
Reeds
Osiers
Rough Pasture
Furze
Wood
Mixed Wood
Brushwood
Orchard
Fir
Ford
Stepping Stones
Ferry
Waterfall
Lock

△ Trig. Station
507 △ Altitude at Trig. Station
B.M.325·9 Bench Mark
342 + Surface Level
Arrow denotes flow of water
Antiquities (site of)

Cutting
Embankment

Railway crossing Road
Level Crossing
Road crossing Railway
Railway crossing River or Canal
Road over single stream
Road over River or Canal

County Boundary (Geographical)
County & Civil Parish Boundary
Administrative County & Civil Parish Boundary
Co. Boro. Bdy. County Borough Boundary (England)
Co. Burgh Bdy. County Burgh Boundary (Scotland)

B P B S	Boundary Post or Stone
B.R.	Bridle Road
E.P	Electricity Pylon
F.B.	Foot Bridge
F.P.	Foot Path
G.P	Guide Post or Board
M.S	Mile Stone
M.P M.R	Mooring Post or Ring
P.C.B	Police Call Box
P	Pump
S.P	Signal Post
Sl.	Sluice
Sp.	Spring
T.C.B	Telephone Call Box
Tr.	Trough
W	Well

Inactive Quarry, Chalk Pit or Clay Pit
Active Quarry, Chalk Pit or Clay Pit
Rock
Boulders
Cliff
Slopes
Top
Roofed Building
Glazed Roof Building
Top
Sloping Masonry
Archway
Non-Coniferous Tree (surveyed)
Coniferous Tree (surveyed)
Non-Coniferous Trees (not surveyed)
Coniferous Trees (not surveyed)
Orchard Tree
Scrub
Bracken
Coppice, Osier
Reeds
Marsh, Saltings
Rough Grassland
Heath
Culvert
Direction of water flow
B M Bench Mark
Antiquity (site of)
Cave Entrance
Triangulation Station
Electricity Pylon
E T L Electricity Transmission Line

County Boundary (Geographical)
County & Civil Parish Boundary
Civil Parish Boundary
Admin. County or County Bor. Boundary
L B Bdy London Borough Boundary
Symbol marking point where boundary mereing changes

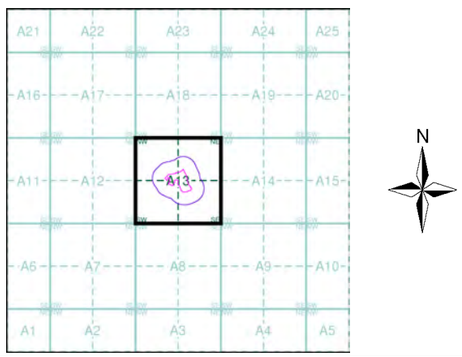
BH	Beer House	P	Pillar, Pole or Post
BP, BS	Boundary Post or Stone	PO	Post Office
Cn, C	Capstan, Crane	PC	Public Convenience
Chy	Chimney	PH	Public House
D Fn	Drinking Fountain	Pp	Pump
El P	Electricity Pillar or Post	SB, S Br	Signal Box or Bridge
FAP	Fire Alarm Pillar	SP, SL	Signal Post or Light
FB	Foot Bridge	Spr	Spring
GP	Guide Post	Tk	Tank or Track
H	Hydrant or Hydraulic	TCB	Telephone Call Box
LC	Level Crossing	TCP	Telephone Call Post
MH	Manhole	Tr	Trough
MP	Mile Post or Mooring Post	Wr Pt, Wr T	Water Point, Water Tap
MS	Mile Stone	W	Well
NTL	Normal Tidal Limit	Wd Pp	Wind Pump

Cliff
Slopes
Top
Top
Rock
Rock (scattered)
Boulders
Boulders (scattered)
Positioned Boulder
Scree
Non-Coniferous Tree (surveyed)
Coniferous Tree (surveyed)
Non-Coniferous Trees (not surveyed)
Coniferous Trees (not surveyed)
Orchard Tree
Scrub
Bracken
Coppice, Osier
Reeds
Marsh, Saltings
Rough Grassland
Heath
Culvert
Direction of water flow
Triangulation Station
Antiquity (site of)
E T L Electricity Transmission Line
Electricity Pylon
BM 231.60m Bench Mark
Buildings with Building Seed
Roofed Building
Glazed Roof Building

Civil parish/community boundary
District boundary
County boundary
Boundary post/stone
Boundary mereing symbol (note: these always appear in opposed pairs or groups of three)

Bks	Barracks	P	Pillar, Pole or Post
Bty	Battery	PO	Post Office
Cemy	Cemetery	PC	Public Convenience
Chy	Chimney	Pp	Pump
Cis	Cistern	Ppg Sta	Pumping Station
Dismtd Rly	Dismantled Railway	PW	Place of Worship
El Gen Sta	Electricity Generating Station	Sewage Ppg Sta	Sewage Pumping Station
El P	Electricity Pole, Pillar	SB, S Br	Signal Box or Bridge
El Sub Sta	Electricity Sub Station	SP, SL	Signal Post or Light
FB	Filter Bed	Spr	Spring
Fn / D Fn	Fountain / Drinking Ftn.	Tk	Tank or Track
Gas Gov	Gas Valve Compound	Tr	Trough
GVC	Gas Governer	Wd Pp	Wind Pump
GP	Guide Post	Wr Pt, Wr T	Water Point, Water Tap
MH	Manhole	Wks	Works (building or area)
MP, MS	Mile Post or Mile Stone	W	Well

jpp



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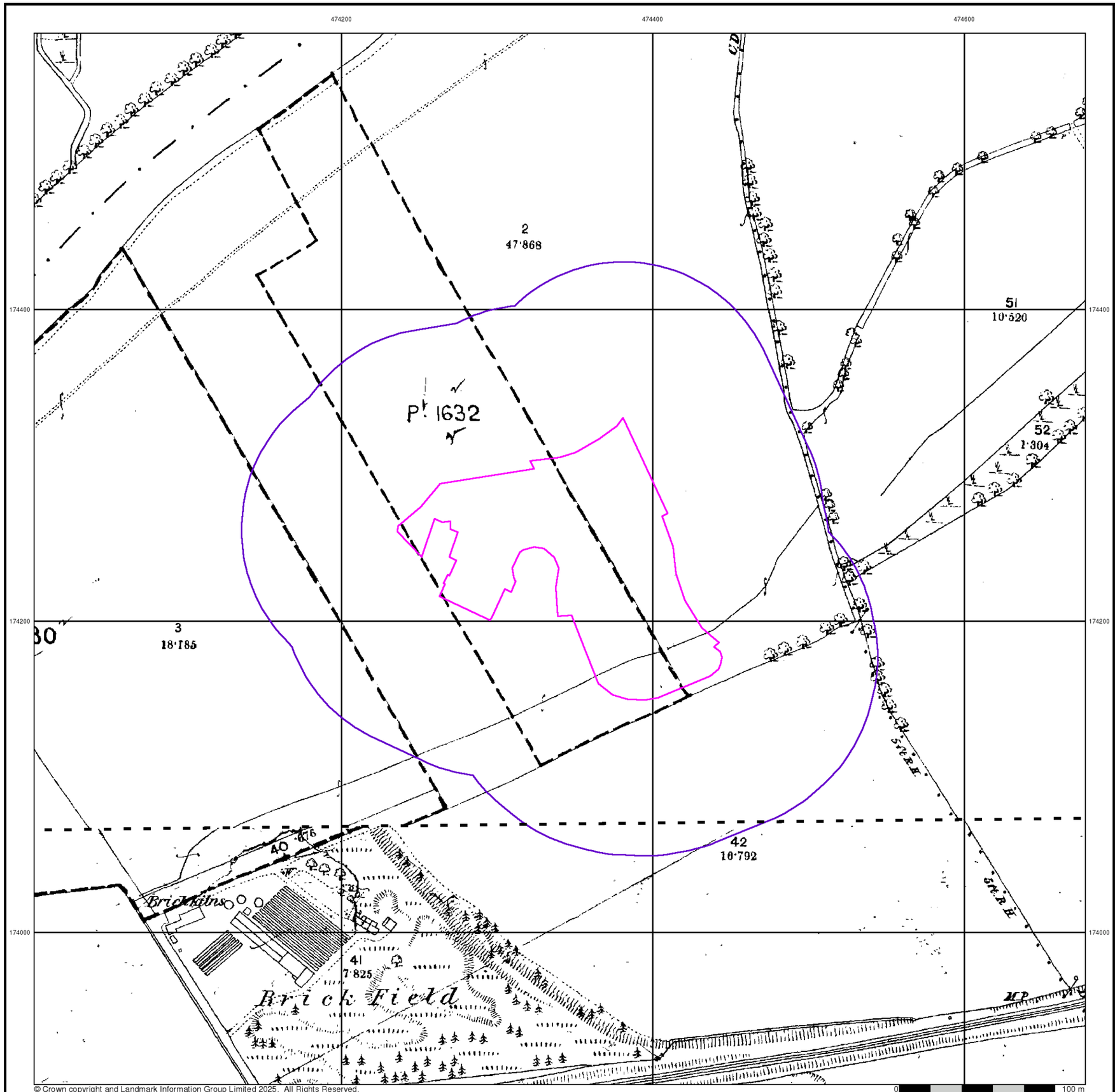

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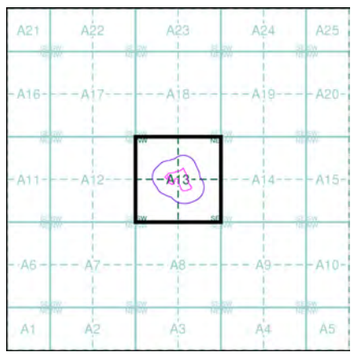

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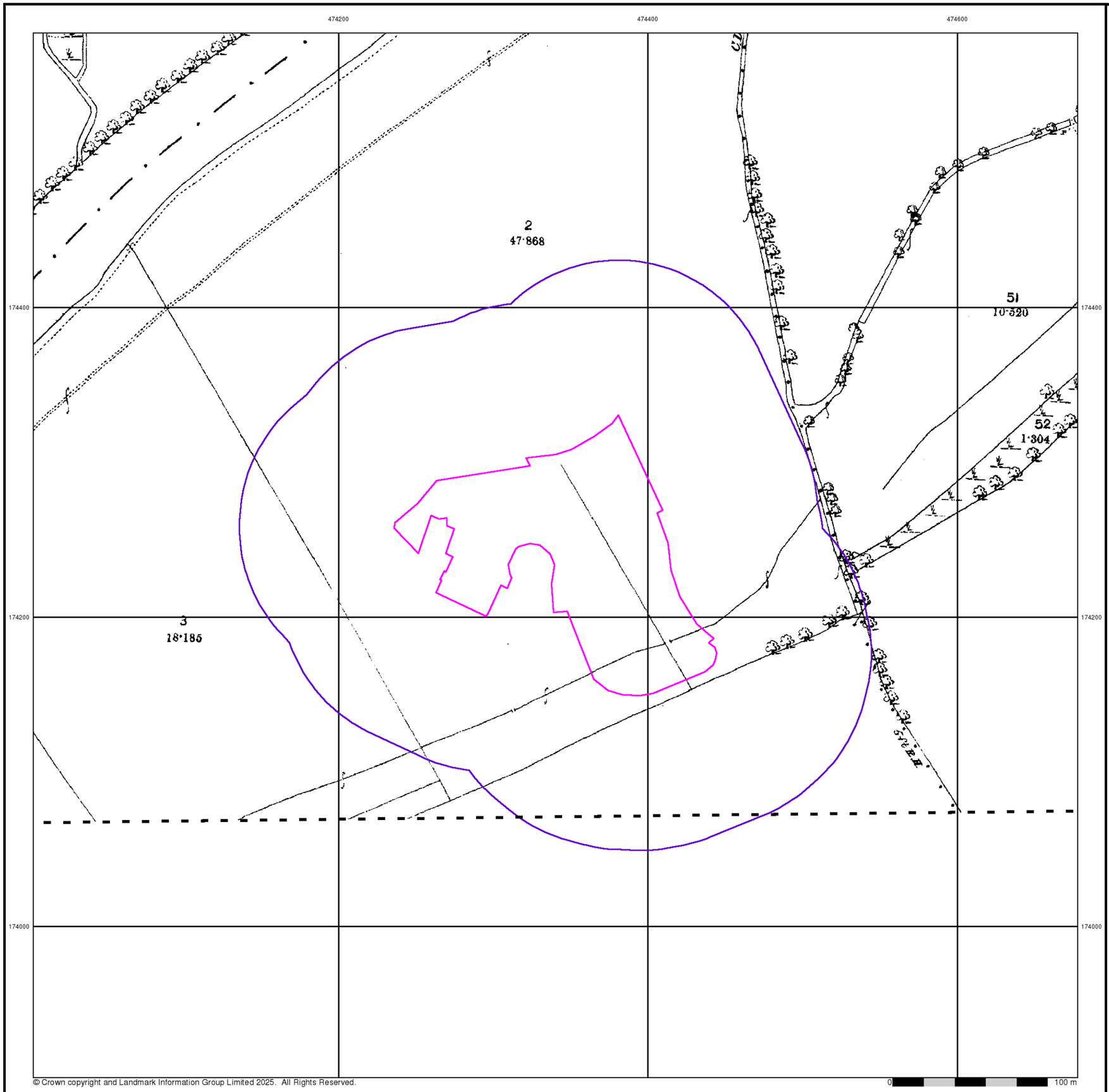

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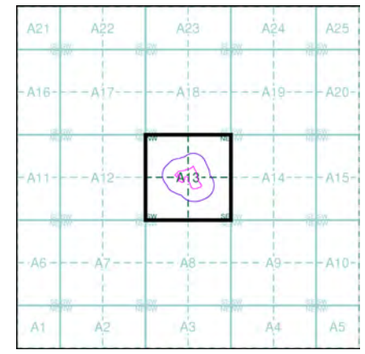

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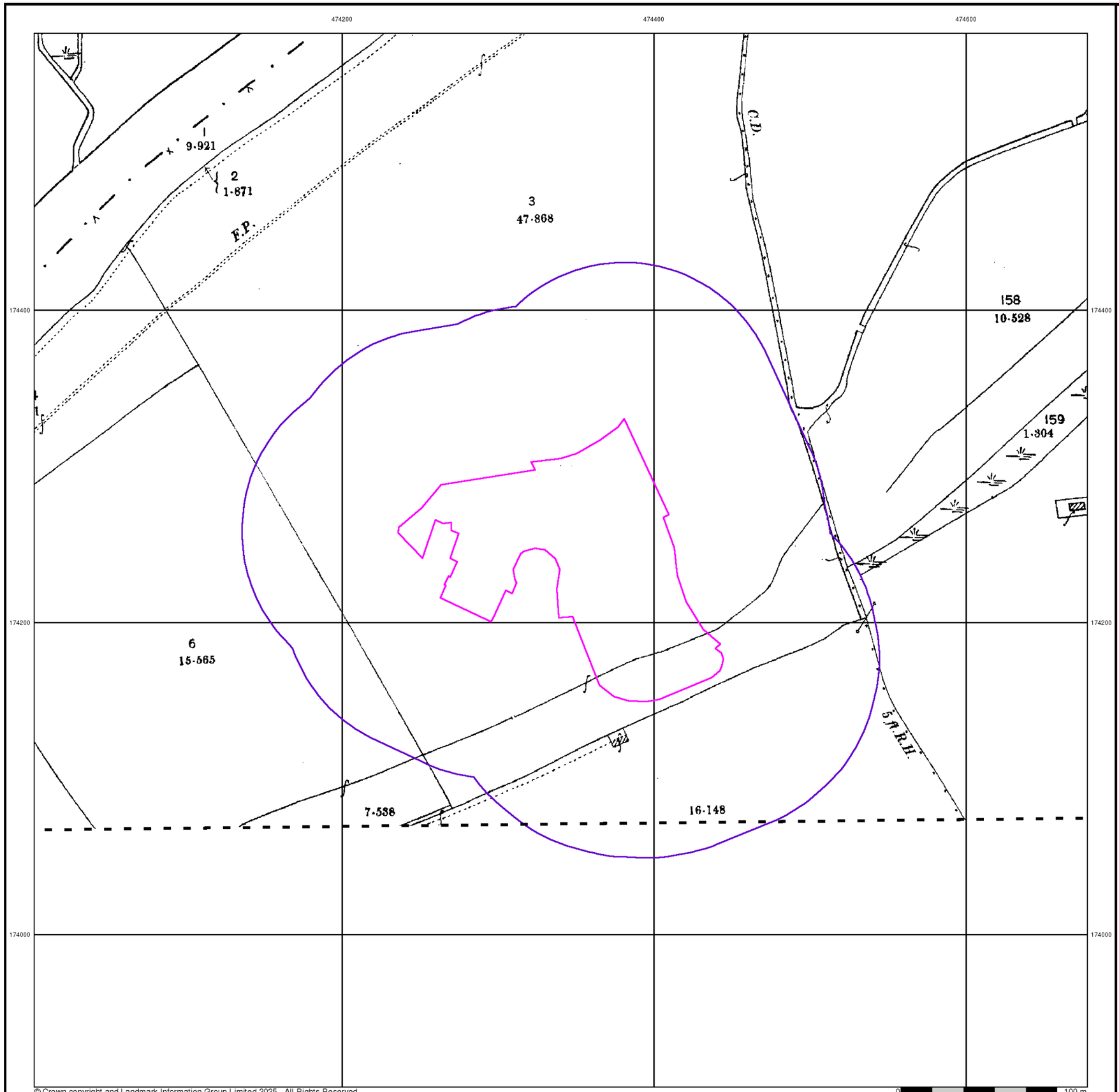

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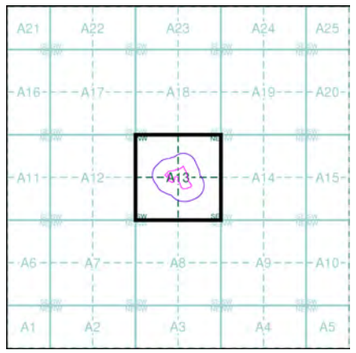

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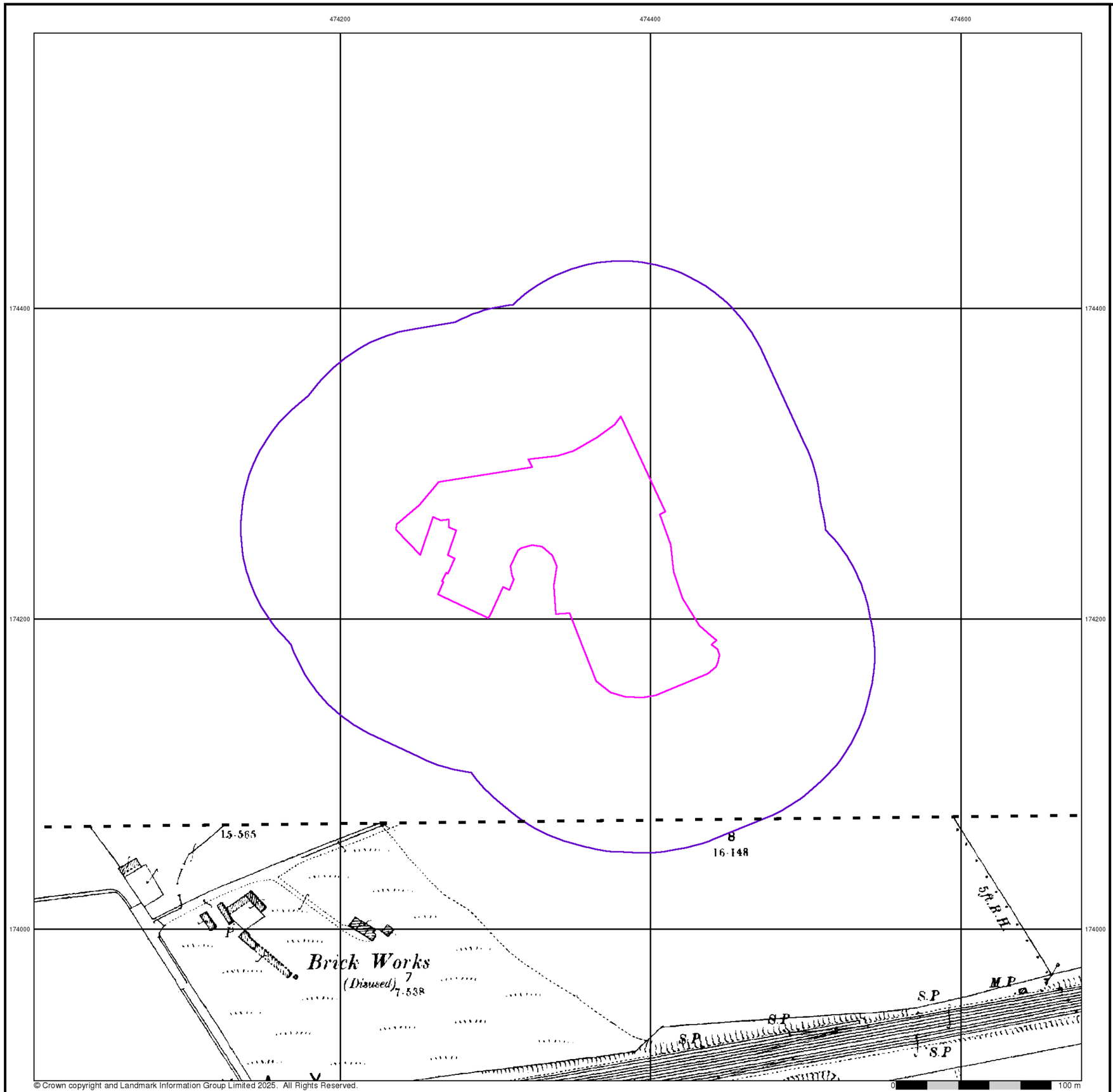
Landmark INFORMATION GROUP



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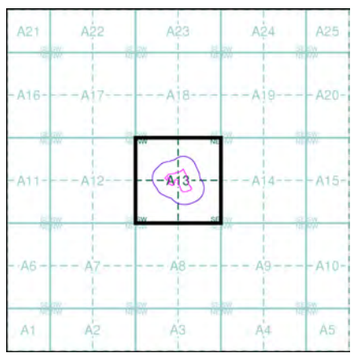
jpp

037_04
1895
1:2,500



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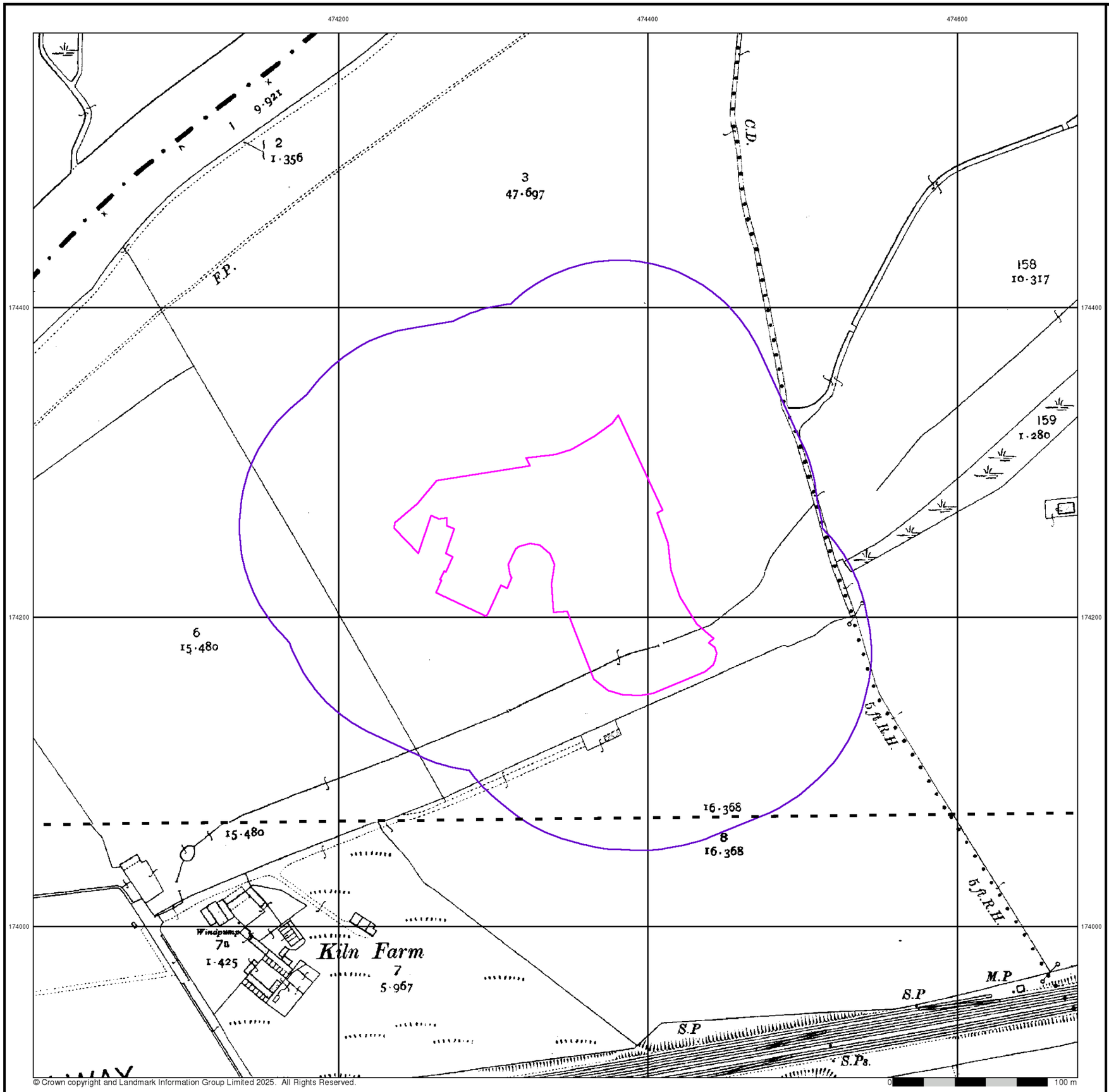
Landmark
INFORMATION GROUP



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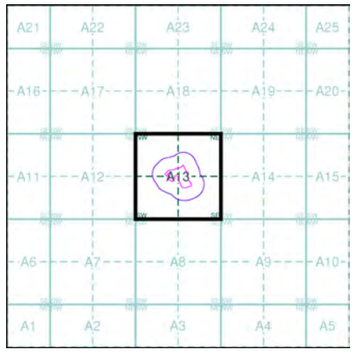
jpp

029_16
1913
1:2,500

037_04
1912
1:2,500



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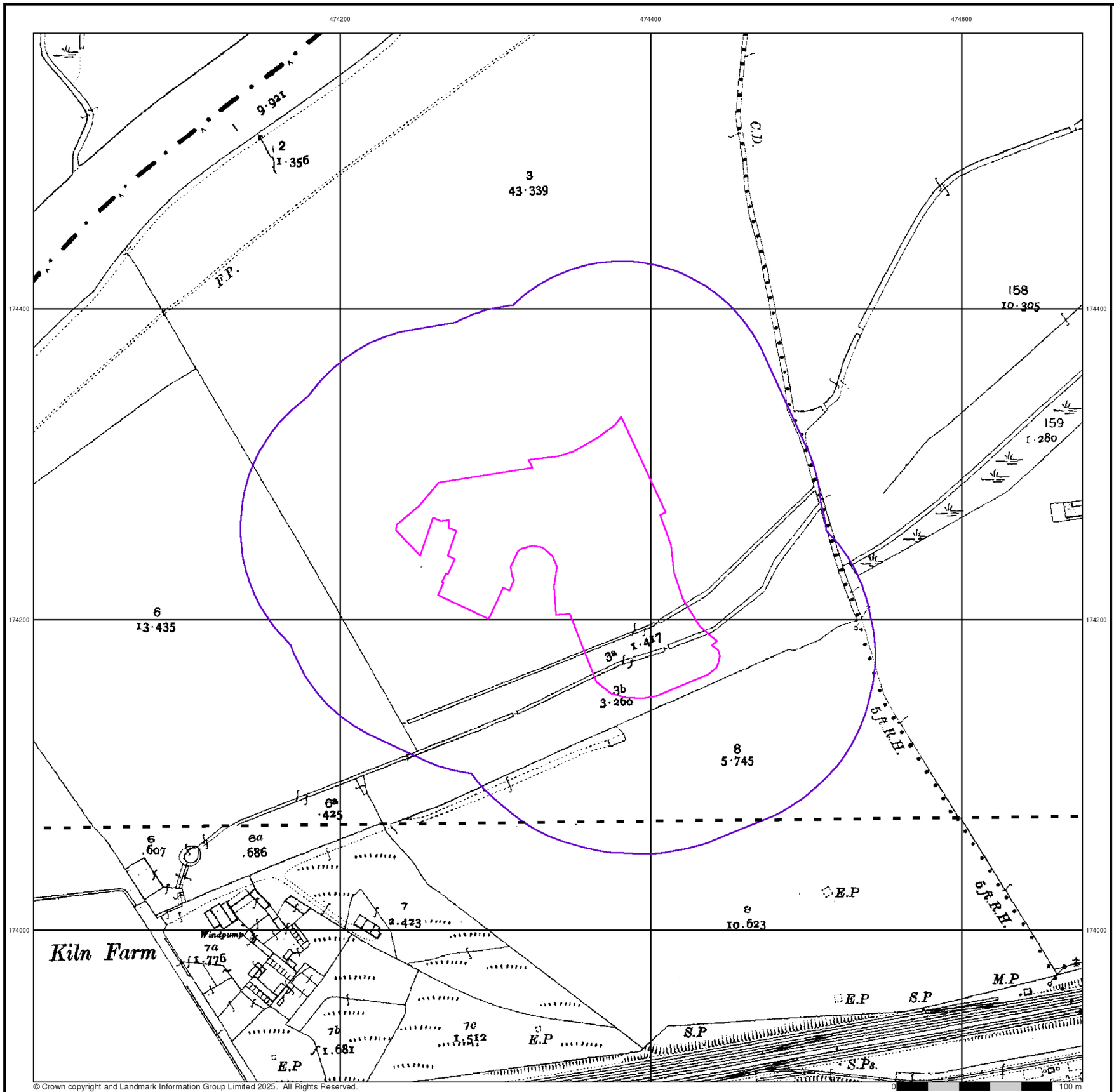

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0 100 m

jpp

029_16
1932
1:2,500

037_04
1934
1:2,500

A21 A22 A23 A24 A25
A16 A17 A18 A19 A20
A11 A12 A13 A14 A15
A6 A7 A8 A9 A10
A1 A2 A3 A4 A5

N

Landmark INFORMATION GROUP

474200 474400 474600

174400 174400

174200 174200

174000 174000

River Thames

Towing Path

Cooling Water Channel

Path

Path

Sports Ground

Shelter

Track

Track

Track

Track

Electricity Works

Tennis Courts

Water

Platform

Tanks

Conveyor

Conveyor

SHEPHERD'S HOUSE LANE

Engineering Works

Bowling Green

Pavilion

Coal Yard

Works

Old Works

Drain

Pond

Pond

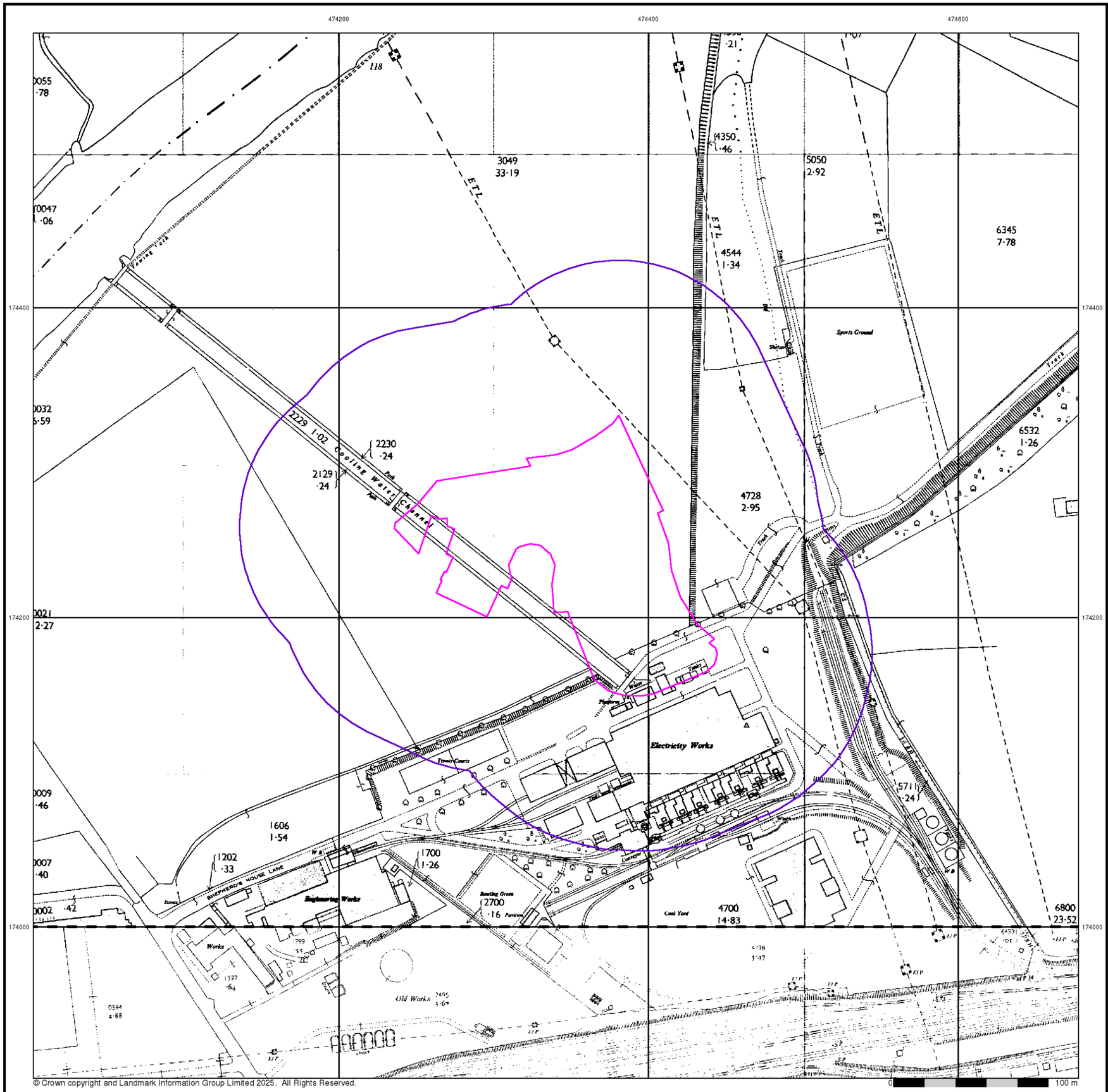
Pond

Water

Trees

Trees

Trees



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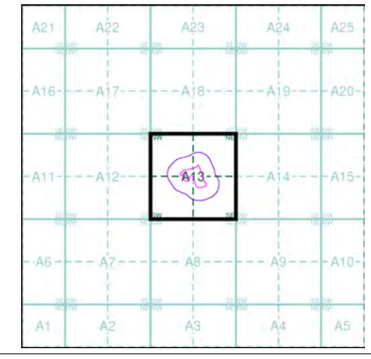
SU7474
1966
1:2,500

SU7473
1958
1:2,500



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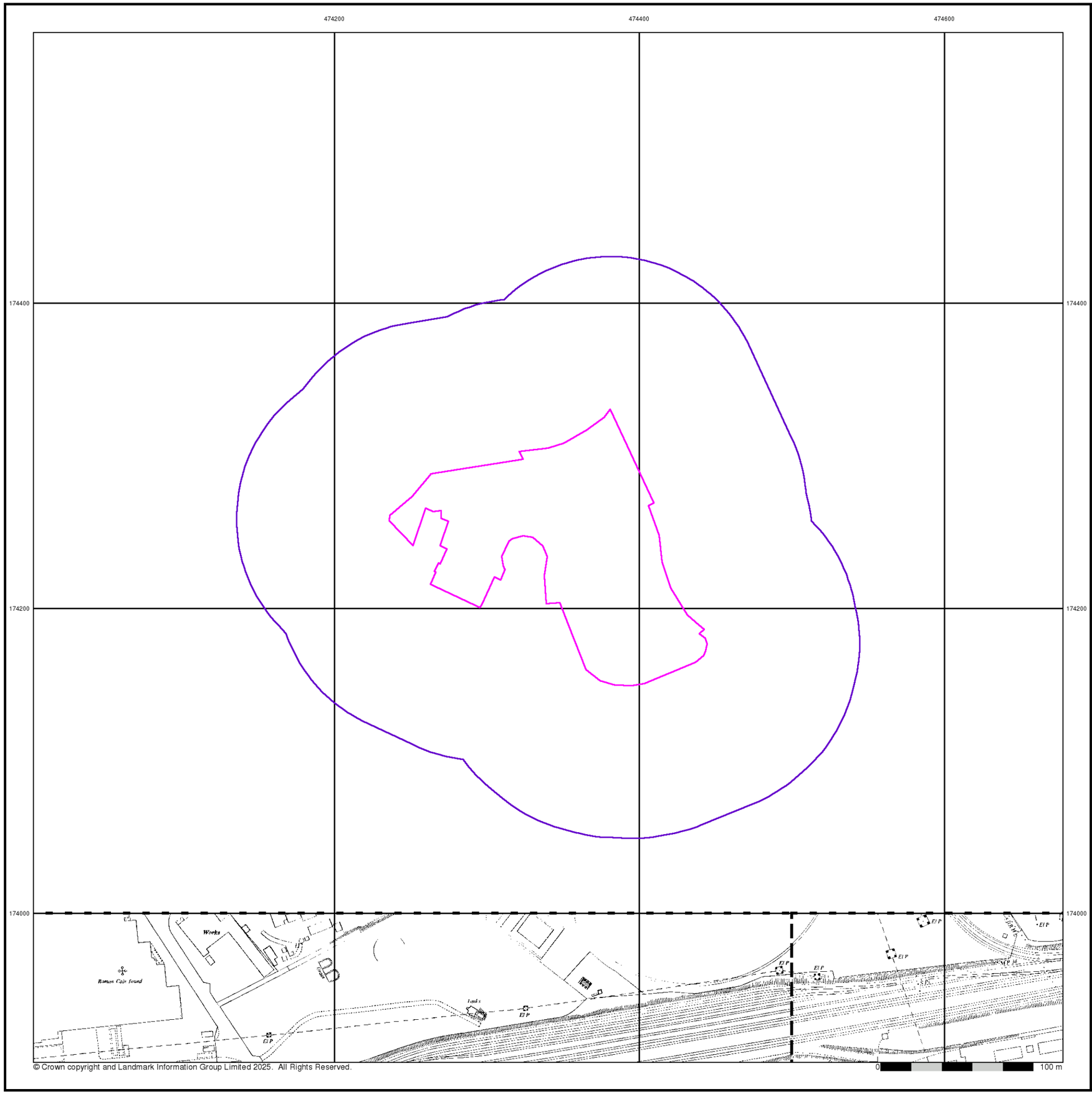

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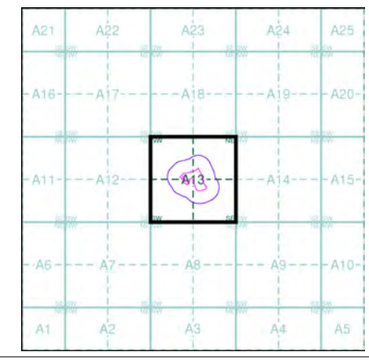
jpp

SU7473NW
1964
1:1,250

SU7473NE
1964
1:1,250



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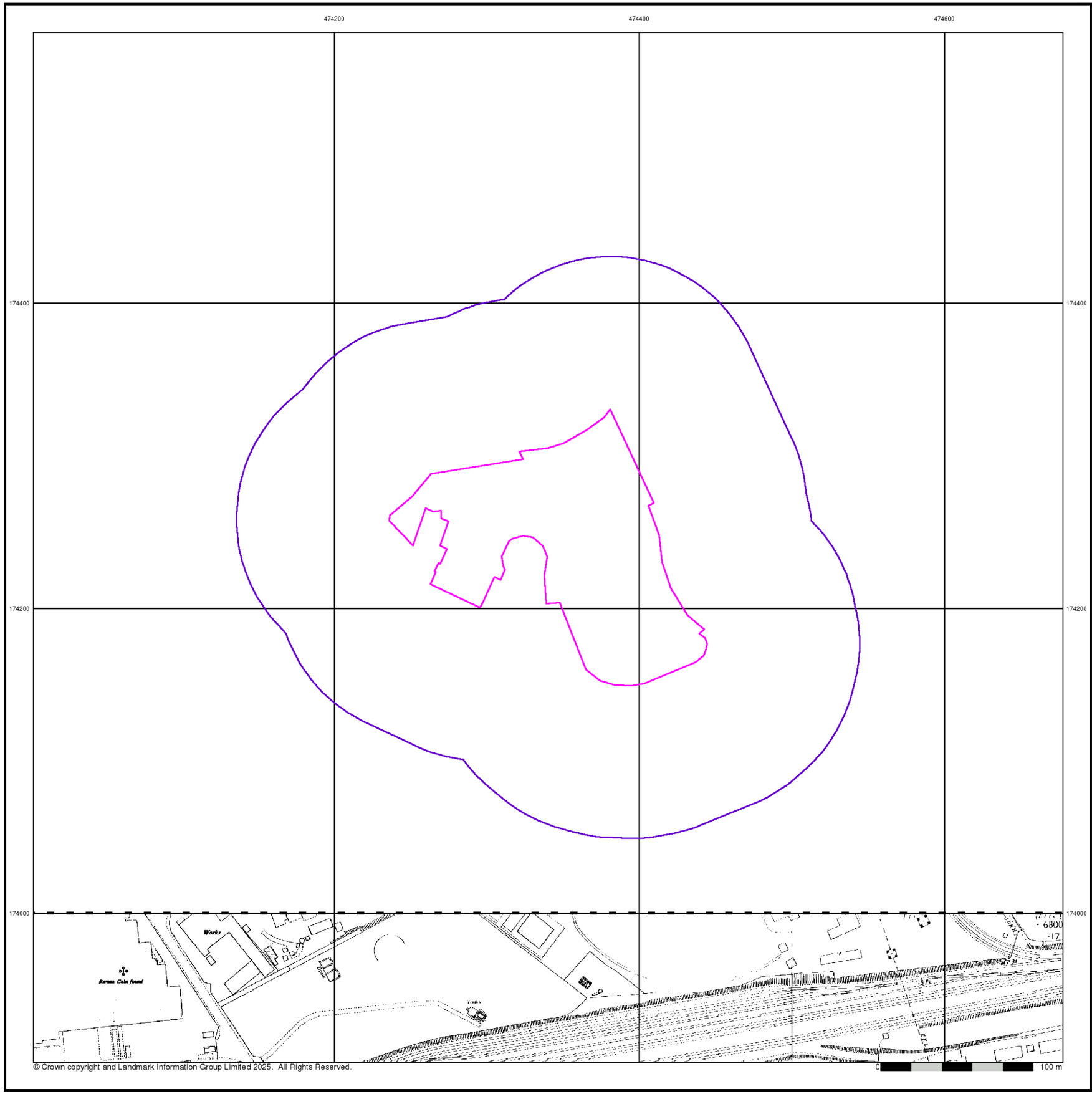
Landmark
INFORMATION GROUP



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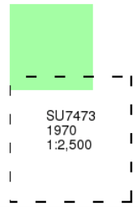
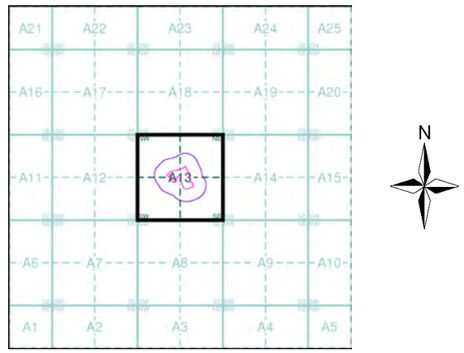




Landmark INFORMATION GROUP

474200

474400

474600

174400

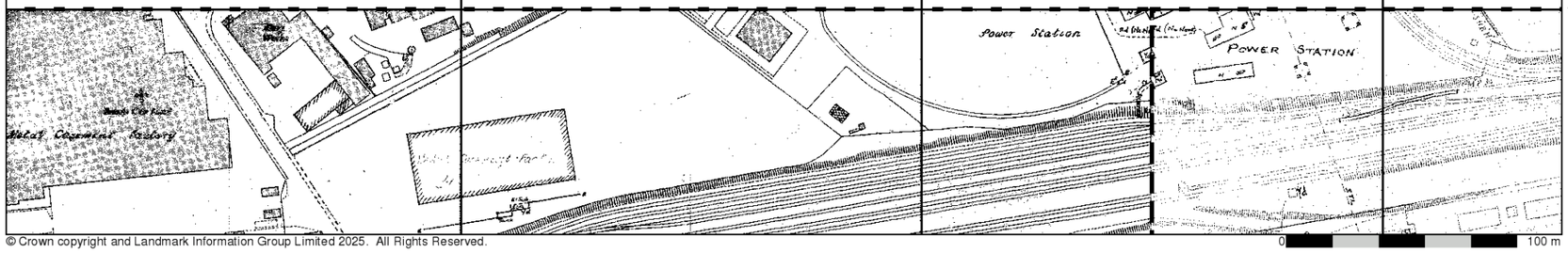
174400

174200

174200

174000

174000



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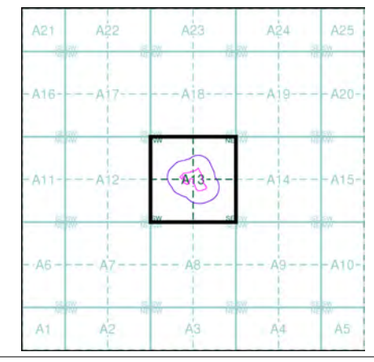
0 100 m

SU7473NW
1972
1:1,250

SU7473NE
1973
1:1,250



N

Landmark INFORMATION GROUP

474200
474400
474600
174400
174200
174000

Building Block Works
Engineering Works
Tank
Metal Casement Factory
W B
El Sub Sta
Tank
Power Station
Power Station
Metal Casement Factory
W B
MHP 34
Tank
Tank
Tank



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0 100 m

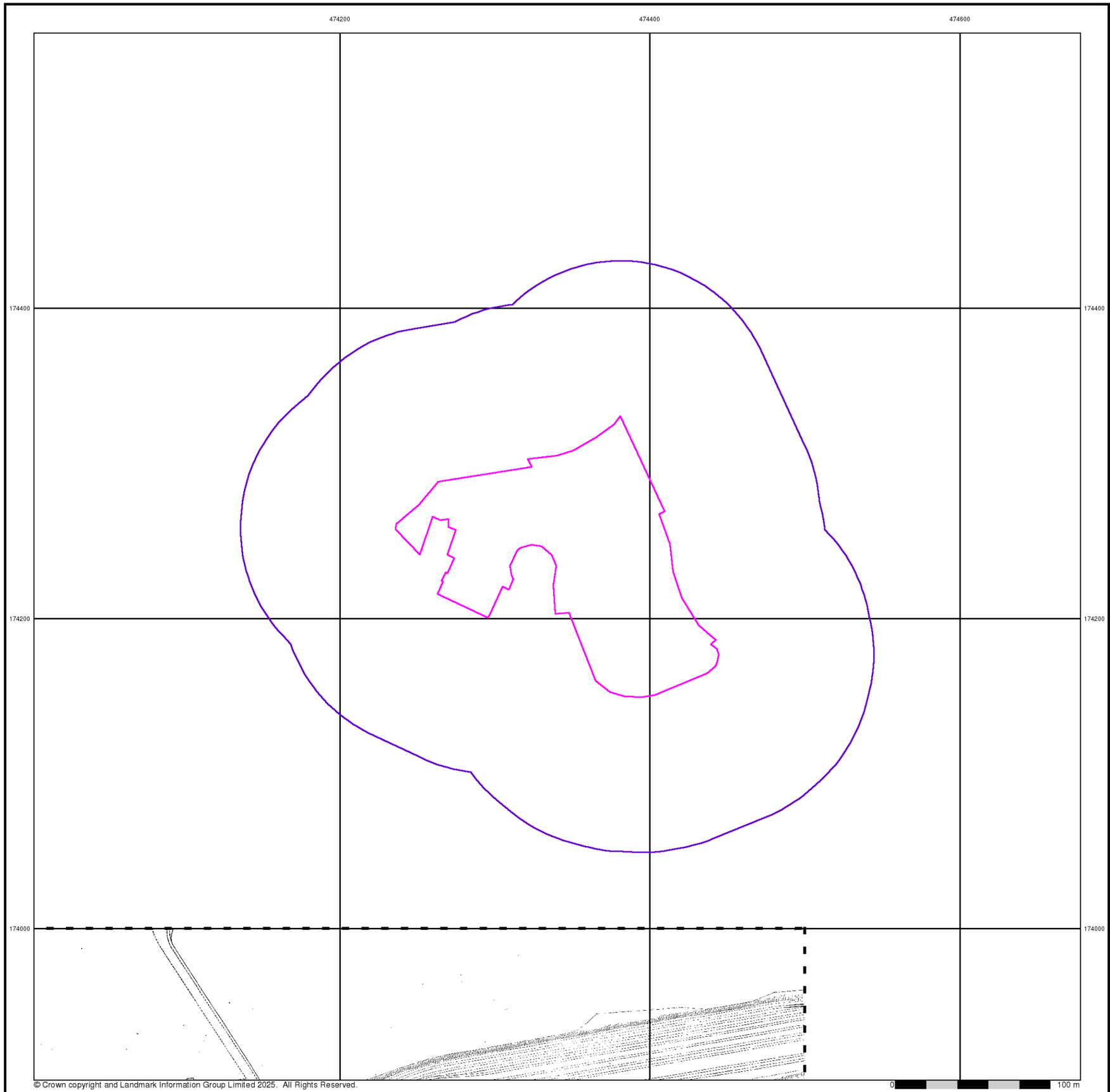
jpp

SU7474NW 991 1:1,250
SU7474NE 991 1:1,250
SU7474SW 991 1:1,250
SU7474SE 991 1:1,250
SU7473NW 988 1:1,250

A21 A22 A23 A24 A25
A16 A17 A18 A19 A20
A11 A12 A13 A14 A15
A6 A7 A8 A9 A10
A1 A2 A3 A4 A5

N

Landmark INFORMATION GROUP



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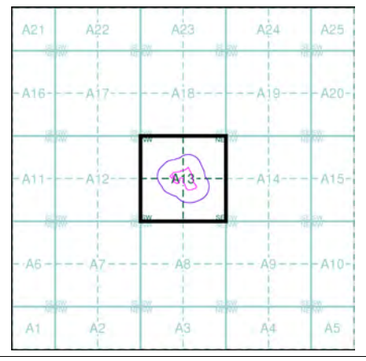
SU7473NW
1991
1:1,250





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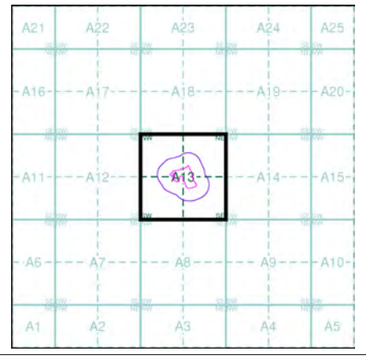
jpp

SU7474NW SU7474NE
993 993
1:1,250 1:1,250

SU7474SW SU7474SE
993 993
1:1,250 1:1,250

SU7473NW SU7473NE
993 993
1:1,250 1:1,250



N

Landmark INFORMATION GROUP

474200 474400 474600

174400 174400

174200 174200

174000 174000

River Thames

Nature Reserve

Thames Valley Business Park

Nursery

Ppg Stn

El Sub Stn

SU7474SW
1995
1:1,250

A21 A22 A23 A24 A25
A16 A17 A18 A19 A20
A11 A12 A13 A14 A15
A6 A7 A8 A9 A10
A1 A2 A3 A4 A5

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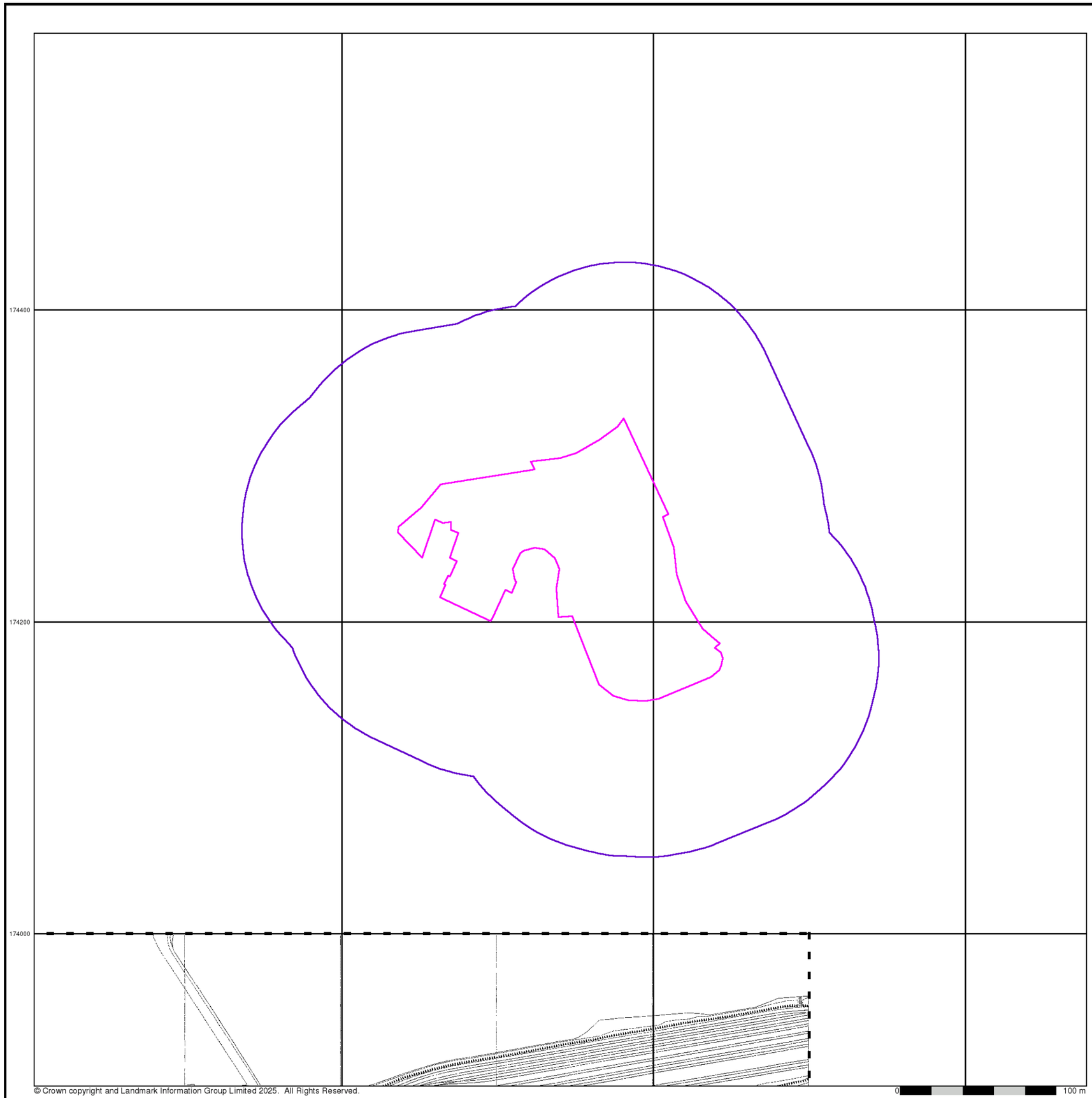
0 100 m

Landmark INFORMATION GROUP



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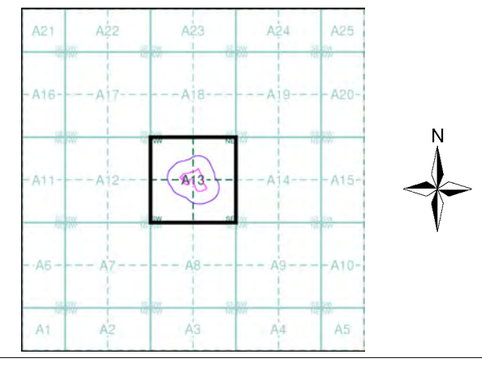
jpp

SU7473NW
1996
1:1,250



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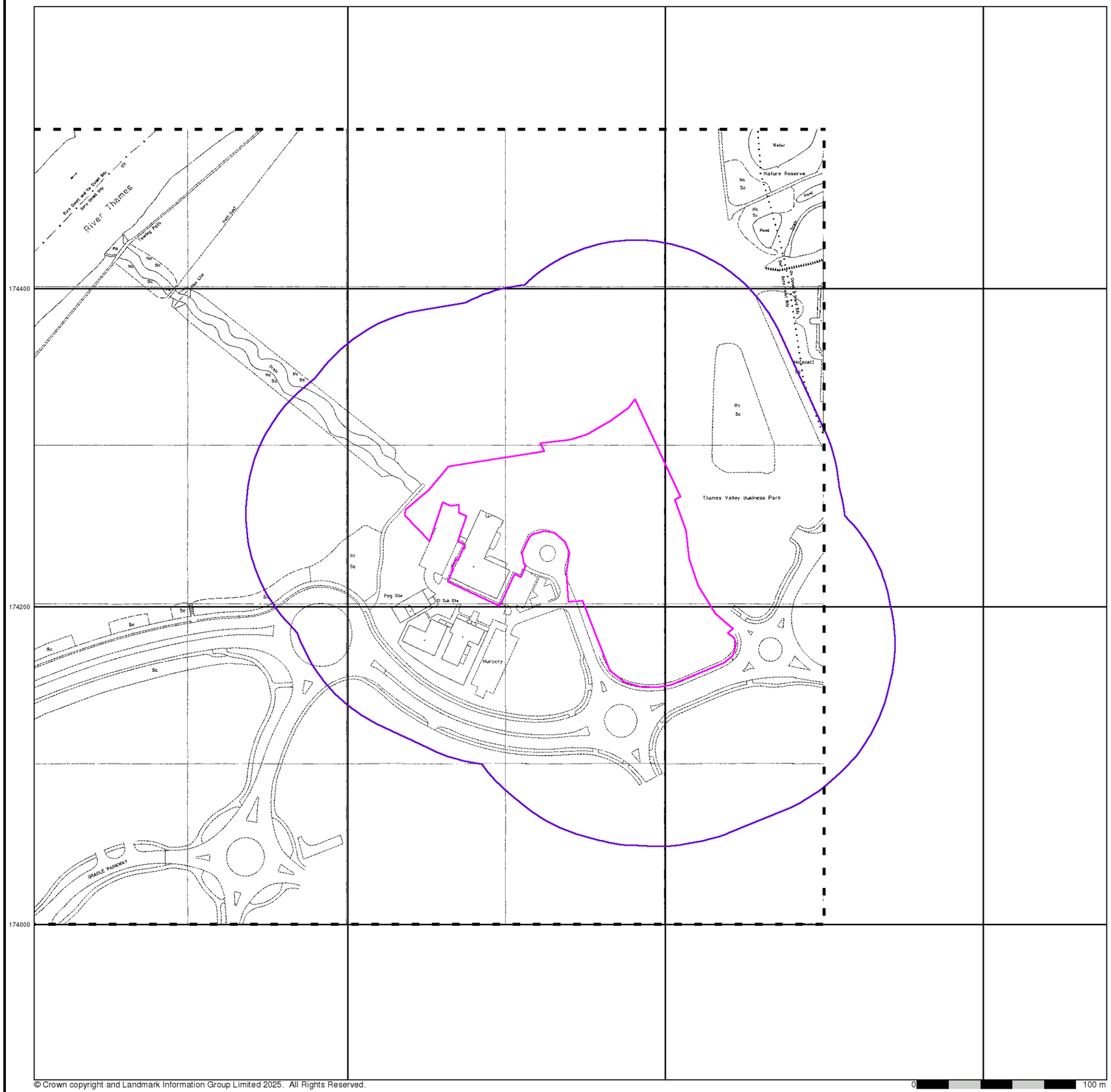

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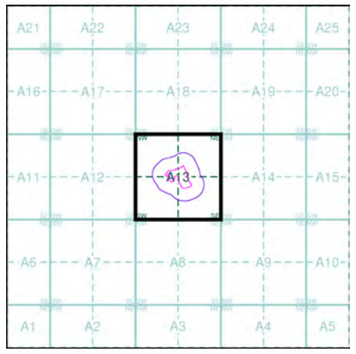
SU7474SW
1996
1:1,250



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Landmark INFORMATION GROUP



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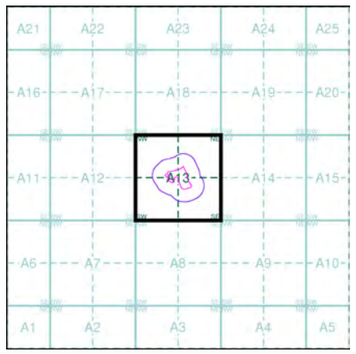


Landmark INFORMATION GROUP

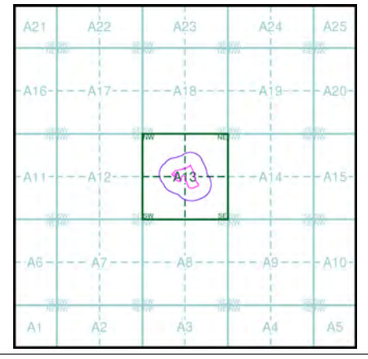
Gravel Pit
Sand Pit
Other Pits
Quarry
Shingle
Orchard
Osiers
Reeds
Marsh
Mixed Wood
Deciduous
Brushwood
Fir
Furze
Rough Pasture
Arrow denotes flow of water
Trigonometrical Station
Site of Antiquities
Bench Mark
Pump, Guide Post, Signal Post
Well, Spring, Boundary Post
·285 Surface Level
Sketched Contour
Instrumental Contour
Main Roads
Fenced
Un-Fenced
Minor Roads
Fenced
Un-Fenced
Sunken Road
Raised Road
Road over Railway
Railway over River
Railway over Road
Level Crossing
Road over River or Canal
Road over Stream
Road over Stream
County Boundary (Geographical)
County & Civil Parish Boundary
Administrative County & Civil Parish Boundary
Co. Boro. Bdy.
County Borough Boundary (England)
Co. Burgh Bdy.
County Burgh Boundary (Scotland)
R.D. Bdy.
Rural District Boundary
Civil Parish Boundary

Chalk Pit, Clay Pit or Quarry
Gravel Pit
Sand Pit
Disused Pit or Quarry
Refuse or Slag Heap
Lake, Loch or Pond
Dunes
Boulders
Coniferous Trees
Non-Coniferous Trees
Orchard
Scrub
Coppice
Bracken
Heath
Rough Grassland
Marsh
Reeds
Saltings
Building
Direction of Flow of Water
Shingle
Sand
Glasshouse
Pylon
Pylon
Electricity Transmission Line
Sloping Masonry
Cutting
Embankment
Standard Gauge Multiple Track
Standard Gauge Single Track
Road Under
Road Over
Level Crossing
Foot Bridge
Siding, Tramway or Mineral Line
Narrow Gauge
Geographical County
Administrative County, County Borough or County of City
Municipal Borough, Urban or Rural District, Burgh or District Council
Borough, Burgh or County Constituency
Shown only when not coincident with other boundaries
Civil Parish
Shown alternately when coincidence of boundaries occurs

BP, BS	Boundary Post or Stone	Pol Sta	Police Station
Ch	Church	PO	Post Office
CH	Club House	PC	Public Convenience
F E Sta	Fire Engine Station	PH	Public House
FB	Foot Bridge	SB	Signal Box
Fn	Fountain	Spr	Spring
GP	Guide Post	TCB	Telephone Call Box
MP	Mile Post	TCP	Telephone Call Post
MS	Mile Stone	W	Well

Gravel Pit
Refuse tip or slag heap
Rock
Rock (scattered)
Boulders
Boulders (scattered)
Shingle
Mud
Mud
Sand
Sand
Sand Pit
Slopes
Top of cliff
General detail
Underground detail
Overhead detail
Narrow gauge railway
Multi-track railway
Single track railway
County boundary (England only)
Civil, parish or community boundary
District, Unitary, Metropolitan, London Borough boundary
Constituency boundary
Area of wooded vegetation
Non-coniferous trees
Non-coniferous trees (scattered)
Coniferous trees
Coniferous trees (scattered)
Positioned tree
Orchard
Coppice or Osiers
Rough Grassland
Heath
Scrub
Marsh, Salt Marsh or Reeds
Water feature
Flow arrows
MHW(S)
Mean high water (springs)
MLW(S)
Mean low water (springs)
Telephone line (where shown)
Electricity transmission line (with poles)
BM 123.45 m
Bench mark (where shown)
Triangulation station
Point feature (e.g. Guide Post or Mile Stone)
Pylon, flare stack or lighting tower
Site of (antiquity)
Glasshouse
General Building
Important Building

jpp



Landmark INFORMATION GROUP

a. Not drawn to scale b. Drawn to scale

Government and Administrative Buildings

Military and Industrial Buildings

Military and Communication Areas

Subway Entrance

Fireproof Building

Prominent Fireproof Building

Non-fireproof Building

Non-fireproof Building (non-dwelling)

Factory, mill, and flour mill, with chimneys

Factory, mill, and flour mill, without chimneys

эл.ст.

Power Station, drawn to scale

ГЭС

Hydroelectric Power Station

Radio Station, drawn to scale

Telephone Station, drawn to scale

Abandoned Open-pit Mine or Quarry

сол.

Open-pit Salt Mine

−1,5

Pit

нефть

Oil Deposit or Well

нефть

Oil Seepage

+7.0 отвал

Tailings Pile

скл. гор.

Fuel Storage Tanks

газг.

Natural Gas Tank

125.4 / 125.1

Bench Mark

бур.

Drill Hole

+2.0

Burial Mound

+1.2

Triangulation Point on Burial Mound

67.8

Fill раз. Cut платф.

Single-track Railroad

Small Bridge ст. Tunnel тун. Pipe (Culvert)

Double-track Railroad and Station Building

сосна 24 / 0.30

Coniferous Forest

клен 12 / 0.20

Deciduous Forest

ель береза 20 / 0.25

Mixed Forest

Lawns

Citrus Orchard

Wet Ground

Scattered Vegetation

243,8 — Values for prominent elevations

186.0 — Numbers for spot elevations, depth soundings, contour lines, etc.

0,2 — Velocity of the current, width of river bed, depth of river

180/12 180/12 — Fractional terms: length and capacity of bridges; depth of fords and condition of the river bottom; height of forest and the diameter of trees

Russian Alphabet (For reference and phonetic interpretation of map text)

А а (A)	З з (Z)	П п (P)	Ч ч (CH)
Б б (B)	И и (I)	Р р (R)	Ш ш (SH)
В в (V)	Й й (Y)	С с (S)	Щ щ (SHCH)
Г г (G)	К к (K)	Т т (T)	ъ (–)
Д д (D)	Л л (L)	У у (U)	ы (Y)
Е е (E)	М м (M)	Ф ф (F)	ь (')
Ё ё (YO)	Н н (N)	Х х (KH)	Э э (E)
Ж ж (ZH)	О о (O)	Ц ц (TS)	Ю ю (YU or IU)
			Я я (YA or IA)

a. Not drawn to scale b. Drawn to scale

Government and Administrative Buildings

Military and Industrial Buildings

Military and Communication Areas

Subway Entrance

Partly Demolished Buildings

Demolished Buildings

Built-Up Area with Fireproof Buildings Predominant

Built-Up Area with Non-Fireproof Buildings Predominant

Individual Fireproof Building

Prominent Industrial Building

Individual Dwelling, Fireproof

Ruins of an Individual Dwelling

Factory or Mill Chimney

бум.

Factory or Mill with Chimney

скип.

Factory or Mill without Chimney

медн.

Mine or Open Pit Mine

кам. уг.

Operating Shaft or Mine

Non-Operating Shaft or Mine

сол.

Salt Mine

Tailings Pile

−1.7

Pit

гл. пес. кам.

Stone Quarry

Gas Pump or Service Station

Fuel Storage or Natural Gas Tank

Oil or Natural Gas Derrick

Small Hydroelectric Power Station

Power Station

б.тр.

Transformer Station

Cemetery

+8.1

Burial Mound (height in metres)

95.7

Triangulation Point on Burial Mound

92.6

Triangulation Point

52.1

Bench Mark

71.1

Bench Mark (monumented)

Telegraph Office

Telephone Station

Radio Station

Radio Tower

Airfield or Seaplane Base

Landing Strip

Cut Fill Km Post Plantings Telegraph/Telephone Lines

Main Highway

Highway under Construction

Width of Road 6 Steep Grade

Improved Dirt Road (former truck road)

Small Bridge ст. Pipe (Culvert) Tunnel

Double-track Railroad with First Class Station

Dismantled Railroad

Railroad Under Construction

Shore Embankment

+2.4

River or Ditch with Embankment

Water Gauge

Direction and velocity of current 0.2 135.1

Water Level Mark

К. 125.0 / 44.8н (г.-сол.)

Well

вдхр.

Water Reservoir or Rain Water Pit

156.2 кл.

Spring

20

Isobath with value

Heavy (Index) Contour Line

20

Contour Line and Value

Half Contour Line

347.1

Spot Elevation Value

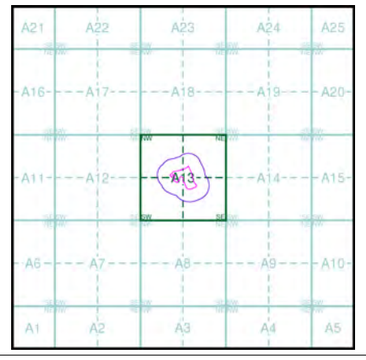
Coniferous

Deciduous

Mixed

Scrub

jpp



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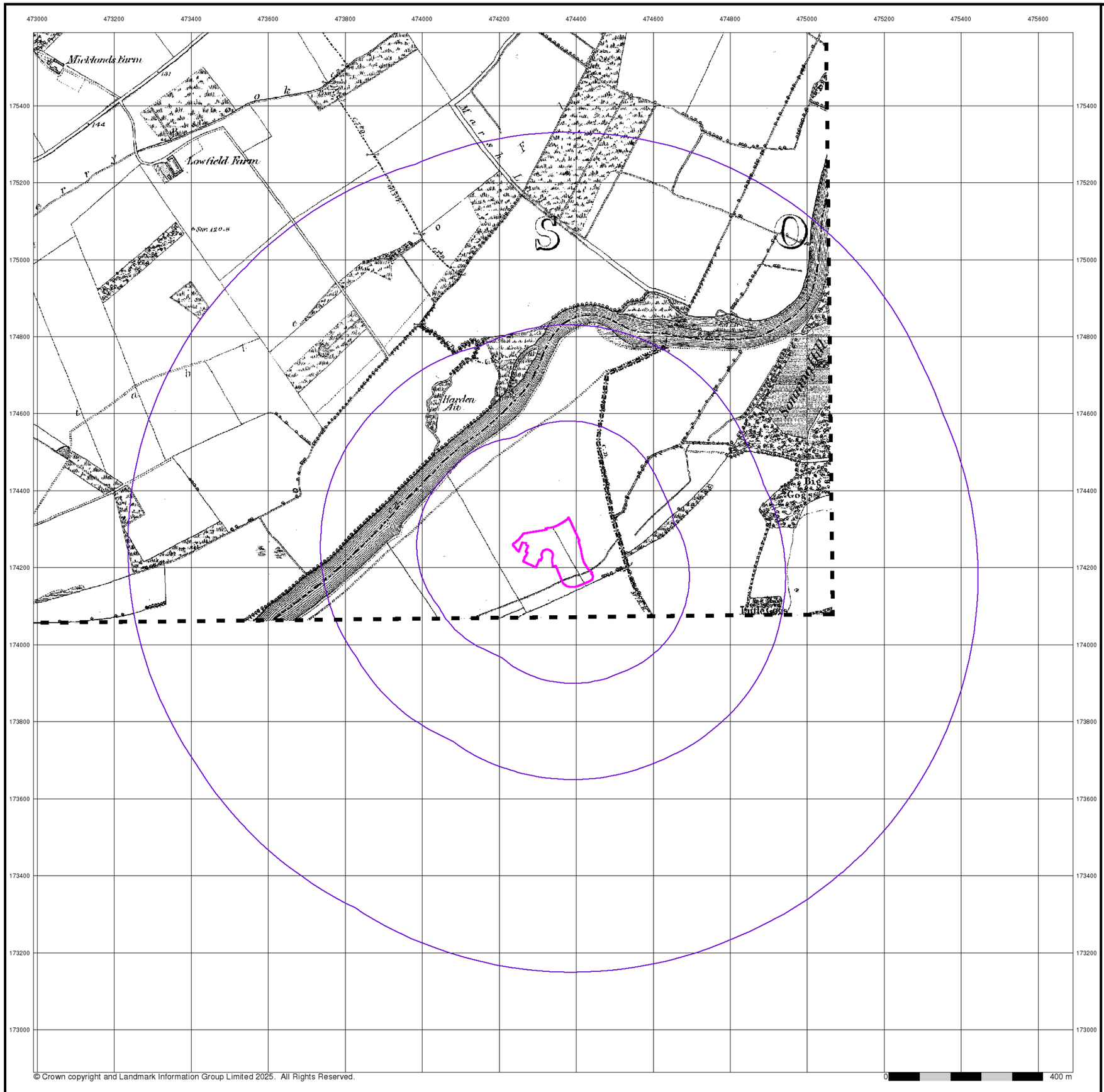

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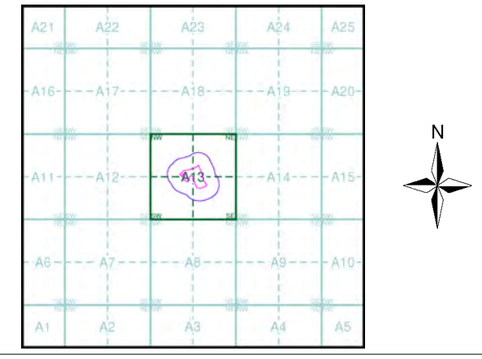
jpp

05600
1882
1:10,560



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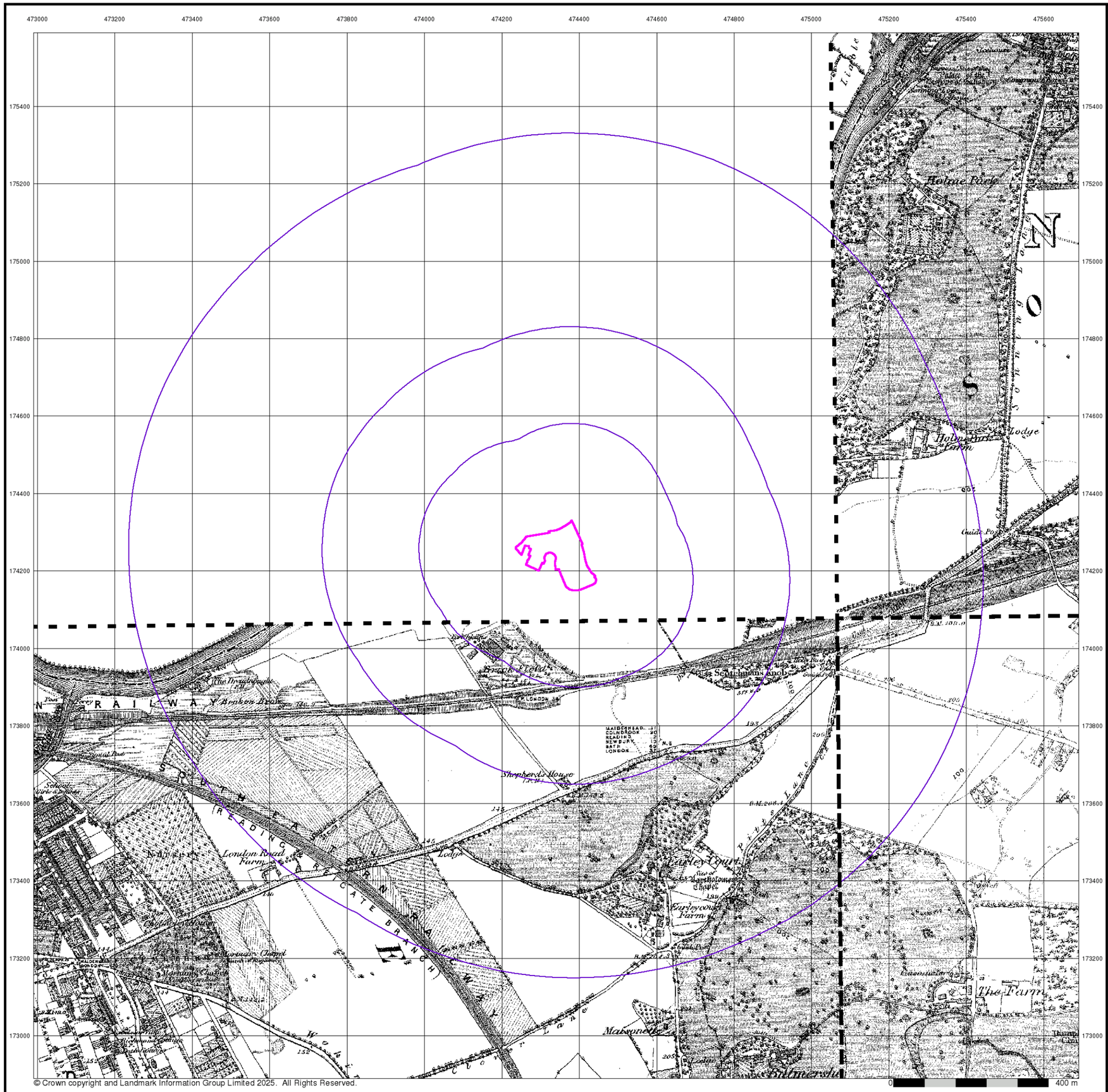

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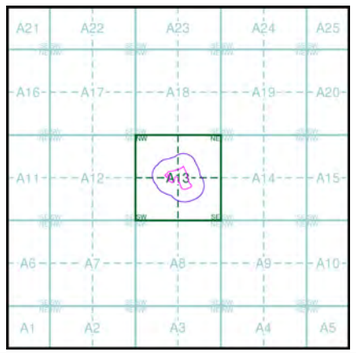
jpp

03000
1882
1:10,560

03700
1883
1:10,560

03800
1883
1:10,560



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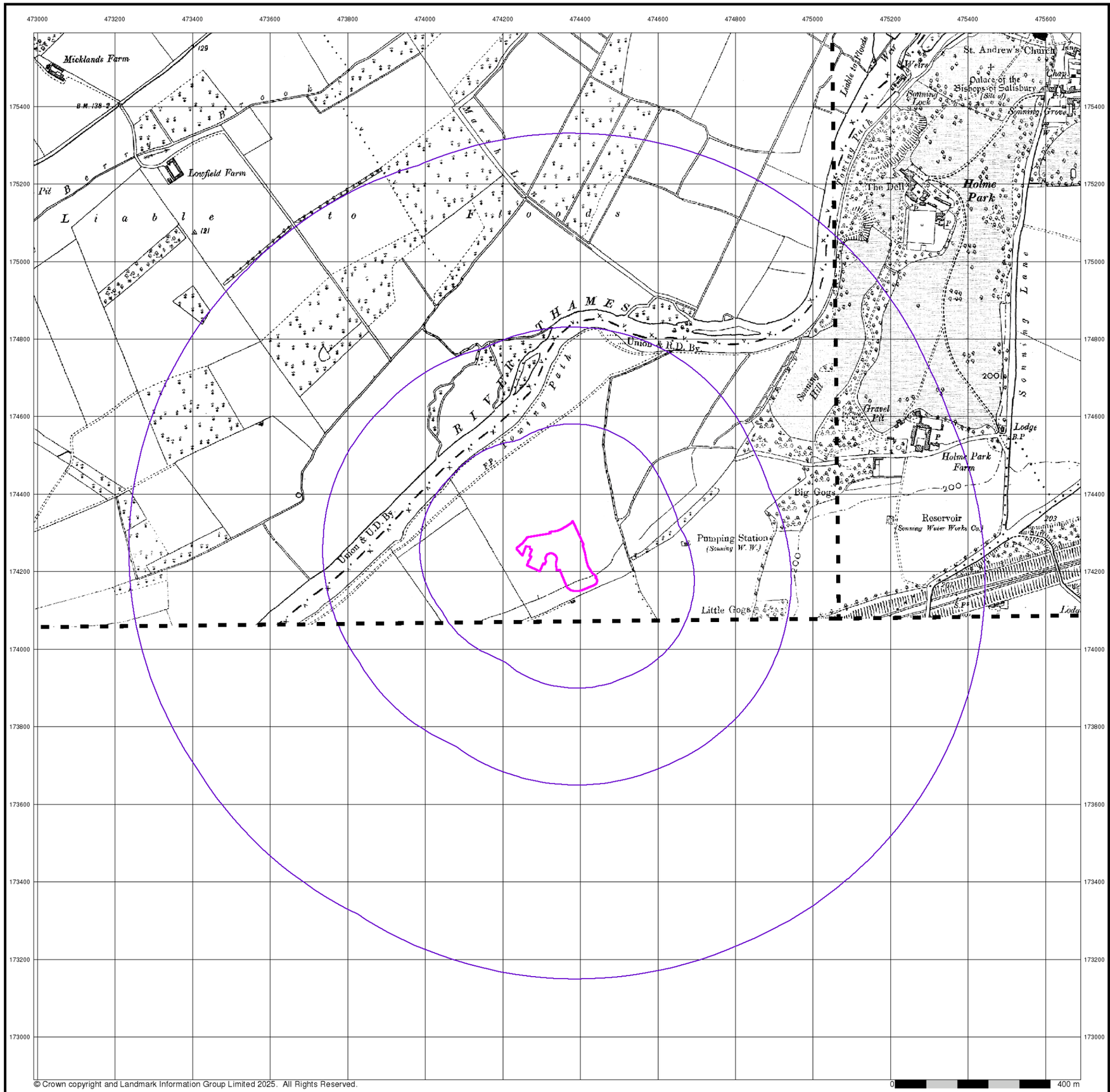

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jpp

056SE
1900
1:10,560

057SW
1900
1:10,560

A21 A22 A23 A24 A25
A16 A17 A18 A19 A20
A11 A12 A13 A14 A15
A6 A7 A8 A9 A10
A1 A2 A3 A4 A5

N

Landmark
INFORMATION GROUP