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Chris Hames
220 Ainsworth Road
Bury
BL8 2LR

Architect:

Equilibrium Architects Ltd
Bank Chambers
Bank Street
Bury
BL9 0DL

Phase I Desk Study and Preliminary Contaminated Land Risk Assessment

Land Adjacent to 220 Ainsworth Road, Bury

June 2025

Site Ref: 6190/VAR V1.0 PCLRA

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Executive Summary	
Site Address	Land Adjacent to 220 Ainsworth Road, Bury
Grid Ref	378550, 410690
Site Area	300m ²
Current Use	Overgrown residential garden with 2 associated outbuildings
Historical Use	Greenfield Land and then part of a residential garden
Proposed Use	Residential dwelling house with garden
Geology	Superficial drift deposits shown as Boulder Clay. Bedrock noted as Trencherbone Rock - Sandstone
Other Risks	None
Coal Mining/Brine Extraction	Low risk
Flood Risk	Site is situated within an EA Low risk of flooding area.
Controlled Water	The site does not present a risk to surface water.
Ground Gas	Low potential for ground gas to be present
Contaminated Ground	Low potential for contaminated ground or significant areas of made ground to be present
Recommendations	A ground investigation to obtain geotechnical and groundwater parameters for structural design purposes should be undertaken prior to construction. Evidence of appropriate disposal of sheet roofing materials (potential ACM).

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Phase I Desk Study and Preliminary Contaminated Land Risk Assessment

1. Introduction

This report is an account of a Phase I Desk Study and Preliminary Contaminated Land Risk Assessment carried out by GeoAssist Limited at the request of the Client, Chris Hames, for a proposed detached residential dwelling house development with associated private garden.

The work was commissioned following the receipt of instruction to proceed issued by the Architect acting on behalf of the Client on the 06 June 2025.

The purpose of this Phase I investigation is to provide information in order to ensure that the site:

- Is assessed in accordance with the UK government methodology outlined online in Land Contamination Risk Management (LCRM)
- Satisfies the relevant requirements of the Updated National Planning Policy Framework December 2024
- Is suitable for the intended proposed land use. In this case, as a residential development with gardens and associated access road.

The approximate grid reference for the centre of the site is 378550, 410690 and the total area of the site is approximately 300 m². The area of the site is outlined with a red line on the site plan in Appendix A1.

2. Description of the Site

2.1 Present

The site is located in a residential area off Elton Vale Road approximately 1.5km west of Bury Town Centre. The site currently forms part of the rear garden of 220 Ainsworth Road. The site forms an irregular shape and is relatively level with the surrounding land.

At the time of the site visit the area was slightly overgrown with two structures/outbuildings present, one of which has corrugated sheet roofing which was noted to be in a good condition.

The site boundary is formed by the neighbouring properties to the north, west and south, Elton Vale Road forms the eastern boundary to the site, over which lies further residential property.

No particular visual or olfactory observations of potential ground contaminants were noted during the site walkover. Photographs from the site visit form appendix A2 to this report.

2.2 Proposed

It is understood that the proposed development incorporates:

- The erection of a detached dwelling house with associated private garden.

A plan of the proposed development forms appendix A3 to this report.

3. Historical Researches

3.1 Historical Mapping & Photographs

Examination of the historical maps of the area confirms that the site prior to its current use as a residential garden was agricultural land.

A series of historical maps and ordnance plans have been reviewed as part of this search. The following table highlights plans and maps that are of particular significance for the purpose of this report. Where possible, reference to the large scale (1:500, 1:1056, 1:1250 & 1:2,500) plans and maps has been made in preference to those at smaller scales (1:10,560 & 1:10,000) as the details on the smaller scale plans and maps are often lacking because of the lower resolution at which they were originally drafted. 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.

Published	Source Scale	Potentially contaminative Feature within 250m of site boundary	Remarks	Direction from site	Distance from site(m)	Feature still present on 2023 edition?
1850 – 1851	1:10,560		Agricultural Land	On Site	0	No
		Pond Feature	Infilled by 1893 & now developed	NW	100	No
		Reservoir		W	137	Yes
		Pond Feature	Infilled by 1893	NE	138	No
1893	1:2,500	Old Shaft (Coal)	Infilled and developed by 1965	SE	85	No
		Bleach Works Land		N and NW	240	No
1894	1:10,560	None Identified				
1910	1:2,500	None Identified				
1910 – 1911	1:10,560	None Identified				
1929	1:2,500		Part of Residential Garden	On Site	0	Yes
1931	1:10,560	None Identified				
1938 – 1939	1:10,560	None Identified				
1939	1:2,500					
1955 – 1956	1:10,000	None Identified				
1957 – 1959	1:1,250		Small Structure	On Site	0	Yes
		Pond Feature	Infilled and developed by 1965	SE	90	No
1958 – 1960	1:2,500	None Identified				
1963 – 1975	1:1,250	None Identified				
1965 – 1969	1:10,000	None Identified				
1970	1:2,500	None Identified				
1974	1:10,000	None Identified				
1975	1:25,000	None Identified				
1980 – 1982	1:10,000	None Identified				
1992	1:1,250	None Identified				
1994 – 1995	1:1,250		Limited Coverage			
1995	1:1,250		Limited Coverage			
1996	1:1,250		Limited Coverage			
1999	1:10,000	None Identified				
2001	Aerial	None Identified				
2006	1:10,000	None Identified				
2024	Variable	None Identified				

The historical maps form Appendix B1 to this report.

3.2 Anecdotal Historical Information

Anecdotal historical information has not been provided as part of this investigation.

3.3 Previous on site Intrusive Investigation

The searches undertaken as part of this report did not indicate that any previous ground investigations have been undertaken on the site. The issues to be covered in the present investigation are to provide information in respect of any potentially unacceptable geo-environmental risks arising from previous land uses in the immediate area, including from ground gas, and the potential for sources of contamination to impact both present and future receptors, including:

- Human
- Controlled waters via established pathways
- Property
- Adjoining land and ecological systems

3.4 Environmental Data Search

An Environmental data search report referenced 380681438_1_1, has been used for background data on this site and is included as appendix C1.

3.4.1 Historical Land uses

The Environmental data search report referenced 380681438_1_1, and historical plans summarises that past and present uses of the site are unlikely to have the potential to lead to significant ground contamination. The report summarises that adjacent areas up to 250m indicate that there are potentially contaminative land uses.

3.4.2 Statutory Authorisations, Incidents and Registers

The Environmental data search report referenced 380681438_1_1, confirms that within 250m of the site boundary there are:

- No active discharge consents.
- No Integrated Pollution Prevention and Controls.
- No Authorised Local Authority Pollution Prevention & Controls.
- No recorded pollution incidents to controlled waters.

The distance from the site of any recorded authorisations, incidents or registers indicate it is unlikely that the site and any proposed development will have been or will be significantly impacted.

3.4.3 Landfill & Other Waste Sites

The Environmental data search report referenced 380681438_1_1, indicates that Bury Metropolitan Borough Council has not been able to supply landfill data. The Environment Agency England and Wales and the British Geological Survey (BGS) have supplied the following landfill and waste site data.

Table 3.4 A summary of the landfill/waste transfer data as provided by the Environment Agency England & Wales and the environmental data search report referenced 380681438_1_1

Site name	Material deposited	Operational period	Approximate distance from site (m)	Direction from site
None Identified				

Given the distance from any recorded landfill, the potential for ground gas generation from the registered landfill sources and subsequent ingress into the proposed development is classified as low.

3.4.4 In-Filled Land

Data from the County Series Surveys and the Ordnance Survey plans of the area indicates that it is unlikely that any significant areas of potentially infilled land are present on the site. The plans including the artificial ground map confirm that there are likely to be areas of historically infilled land and made ground within 250m of the site boundary not previously identified as landfill. The potential for ground gas generation from infilled land and subsequent ingress into the proposed development is classified as low given the age and the size of, and distance to, any areas of potentially infilled land.

3.4.5 Other Risks

None identified

4. Geology & Hydrogeology

4.1 Site Geology

The relevant 1:50,000 digital geological maps of the area SD71 SE 2007 and SD70NE 2008 indicates the superficial deposits Till, Devensian – Boulder Clay of the Quaternary period.

The solid geology is shown as being Trencherbone Rock – Sandstone of the Pennine Lower Coal Measures. The Pennine Lower Coal Measures contain Mudstone, Siltstone and Sandstone and may include Coal Seams. No faults are shown as passing directly beneath the site. However, the surrounding area is generally faulted.

4.2 Radon Affected Area

The Environmental data search report referenced 380681438_1_1, indicates that the site is in a lower probability radon area (less than 1% of homes are estimated to be at or above the Action Level). No radon protective measures are necessary in the construction of new dwellings or extensions.

4.3 Hydrogeology and Groundwater Vulnerability

The Bedrock Aquifer Designation as determined by the British Geological Survey is: Secondary A - permeable layers capable of supporting water supplies at a local rather than strategic scale, and in some cases forming an important source of base flow to rivers. These are generally aquifers formerly classified as minor aquifers; The Superficial Aquifer Designation as determined by the British Geological Survey is: Secondary Undifferentiated - permeable layers capable of supporting water supplies at a local rather than strategic scale, and in some cases forming an important source of base flow to rivers. These are generally aquifers formerly classified as minor aquifers.

According to the British geological society the potential for ground dissolution stability hazards is high at the site.

4.4 Surface Water

The Environmental data search report referenced 131013203_1_1, and plans of the site indicate that the nearest surface water feature is a pond feature located 137m west of the site. There is no evidence that the site in its present state, or any proposed development, will significantly impact surface water receptors and consequently the risk to surface waters is classified as low.

4.5 Subsurface Water

There is no evidence that the site in its present state or the proposed development will impact subsurface water receptors and consequently the risk to subsurface waters is classified as low.

4.6 Water Abstractions

- The Environmental data search report referenced 380681438_1_1, indicates that there is one open/active water abstraction licence listed at 214m from the site boundary with an accuracy of 100m and dated 1975. Closer inspection shows that this abstraction is likely to be no longer active as the abstraction operator ceased trading in 2016.

The site does not lie within a source protection zone. The Environment Agency England and Wales has defined

Source Protection Zones (SPZs) for 2000 groundwater sources such as wells, boreholes and springs used for public drinking water supply. These zones show the risk of contamination from any activities that might cause pollution in the area. The closer the activity, the greater the risk.

The maps show three main zones (inner Zone I, outer Zone II and total catchment Zone III).

4.7 Flood Risk

The Environmental data search report referenced 380681438_1_1, shows that the EA flood data map indicates that the site is located within a Low Risk Flood Zone from surface water.

5. Mineworkings & Mineral Sites

Information provided by the Coal Authority as part of the Environmental data search report referenced 380681438_1_1 indicates that the property is in an area that may be affected by coal mining.

A Coal Authority Coal mining report referenced 51003505799001, confirms that:

- The property is in a surface area that could be affected by underground mining in 1 seam of coal at 110m depth, and last worked in 1876. Any movement in the ground due to coal mining activity associated with these workings should have stopped by now.
- The property is not within a surface area that could be affected by present underground mining.
- The property is not in an area where the Coal Authority has received an application for, and is currently considering whether to grant a licence to remove or work coal by underground methods.
- The property is not in an area where a licence has been granted to remove or otherwise work coal using underground methods.
- The property is not in an area likely to be affected from any planned future underground coal mining.
- However, reserves of coal exist in the local area which could be worked at some time in the future.
- No notices have been given, under section 46 of the Coal Mining Subsidence Act 1991, stating that the land is at risk of subsidence.
- There are no recorded coal mine entries known to the Coal Authority within, or within 20 metres, of the boundary of the property.
- The Coal Authority is not aware of any damage due to geological faults or other lines of weakness that have been affected by coal mining.
- The property does not lie within 200 metres of the boundary of an opencast site from which coal is being removed by opencast methods.
- There are no licence requests outstanding to remove coal by opencast methods within 800 metres of the boundary.
- The property is not within 800 metres of the boundary of an opencast site for which a licence to remove coal by opencast methods has been granted.
- The Coal Authority has not received a damage notice or claim for the subject property, or any property within 50 metres of the enquiry boundary, since 31 October 1994.
- There is no current Stop Notice delaying the start of remedial works or repairs to the property.
- The Coal Authority is not aware of any request having been made to carry out preventive works before coal is worked under section 33 of the Coal Mining Subsidence Act 1991.
- The Coal Authority has no record of a mine gas emission requiring action.
- The property is not in an area where a notice to withdraw support has been given.

- The property is not in an area where a notice has been given under section 41 of the Coal Industry Act 1994, cancelling the entitlement to withdraw support.

The professional opinion states:

According to the official mining information records held by the Coal Authority at the time of this search, evidence of, or the potential for, coal mining related features have been identified. It is unlikely that these features will impact on the stability of the enquiry boundary.

Consequently, the risk to the proposed development on this site in respect of past, present or future coal workings is likely to be low.

6. Designated Environmentally Sensitive Sites

The environmental data search report referenced 380681438_1_1 indicates the site is situated within 90m of an Area of Adopted Green Belt, dated August 1997 by Bury Metropolitan Borough Council, planning department. Areas of Green Belt are regions of principally open countryside surrounding existing built-up areas, the purpose of which is to check the unrestricted sprawl of these built-up areas and to safeguard the surrounding countryside against further encroachment.

It is considered unlikely that any proposed redevelopment of the site would adversely impact nearby designated environmentally sensitive sites.

7. Contemporary Directory Trade Entries

The environmental data search report referenced 380681438_1_1, indicates that there are no active entries for the trade directory within 250m of the site boundary and one active Points of Interest - Public Infrastructure entry for a sewage pumping station located 247m northeast of the site. The likelihood that the proposed development will be significantly impacted by surrounding contemporary industrial land uses is low.

8. Conceptual Model

The table below is the conceptual model for the site based on the information available at this time.

Table 8.1 Preliminary Conceptual model.

Potential Source /Hazard	Nature of Hazard (Risk Level to site given a Residential end use)	Potential Contaminants Associated with Source	Potential Pathway	Potential Receptor
<i>Previous & Present ON SITE Land uses:</i>				
1. Agricultural Land	Ground contamination Low Risk	None	Dermal Contact Ingestion Inhalation	Site Users Construction workers Controlled Waters
	Gas from in-filled ground Low Risk	None	Vertical and Lateral Migration	Site Users Future Buildings & Services
2. Residential garden and domestic garage with corrugated sheeting roof	Ground contamination Low Risk Provided best practice guidelines are followed during demolition/deconstruction	Potential ACM	Dermal Contact Ingestion Inhalation	Site Users Construction workers Controlled Waters
	Gas from in-filled ground Low Risk	None	Vertical and Lateral Migration	Site Users Future Buildings & Services
<i>Previous OFF SITE land uses within 250m as indicated by Historical Plans Including:</i>				
3. Pond Features (Infilled)	Ground contamination Low Risk	See DoE Industry Profiles	Dermal Contact Ingestion Inhalation	Site Users Construction workers Controlled Waters
	Gas from in-filled ground Low Risk Given age and distance	Carbon Dioxide, Methane	Vertical and Lateral Migration	Site Users Future Buildings & Services
4. Infilled Coal Shaft	Ground contamination Low Risk	See DoE Industry Profiles	Dermal Contact Ingestion Inhalation	Site Users Construction workers Controlled Waters
	Gas from in-filled ground Low Risk Given age and distance	Carbon Dioxide, Methane	Vertical and Lateral Migration	Site Users Future Buildings & Services
5. Coal/Brine Workings & Mineral Extraction	Geotechnical Hazard Low Risk	None	Ground Collapse Subsidence	Humans (site users) Future Buildings & Services
	Ground contamination Low Risk	None	None	Site Users Services
	Mine Gas Low Risk	None	None	Humans (site users) Future Buildings & Services

Only sources that have not been present on site in the past or currently are considered within the off site category. Unless the information is deemed to be pertinent to the analysis.

From the sources of information examined as part of this investigation a Low potential for contaminated materials to be present on site has been established and a Low potential for the presence of ground gas. There is a Low Risk of the likelihood of hazards from past coal / brine workings.

9. Conclusions & Recommendations

The evidence presented elsewhere within this report indicates that the site is unlikely to have been impacted by contamination from previous on site and adjacent land uses and assessment of the data available has confirmed that the risk classification from contaminated ground is low in all reasonably foreseeable circumstances and as a consequence, no new contaminant pathways will be established by the development and no further action is required. The risk to any future development from potential ground gas ingress is classified as low based on the available data and no particular measures will need to be adopted based on the recommendations within Ciria C665 best practice guidance.

9.1 Supplementary Recommendations

If the proposed development is being warranted under a scheme such as that operated by the NHBC, then a basic site investigation for both geotechnical and environmental purposes will be required as part of the standard terms of the agreement. It is advised that the developer also obtains geotechnical information in order to maximise the value of the Ground Investigation and establish geotechnical and groundwater parameters for foundation design. The developer should retain evidence (waste transfer notes (documentary) and photographic) that the corrugated sheet materials have been carefully removed from site and disposed of in an appropriate facility.



Matthew Benson MSc GMICE

Geotechnical/Environmental Engineer



Mark Richardson MSc CEng MICE

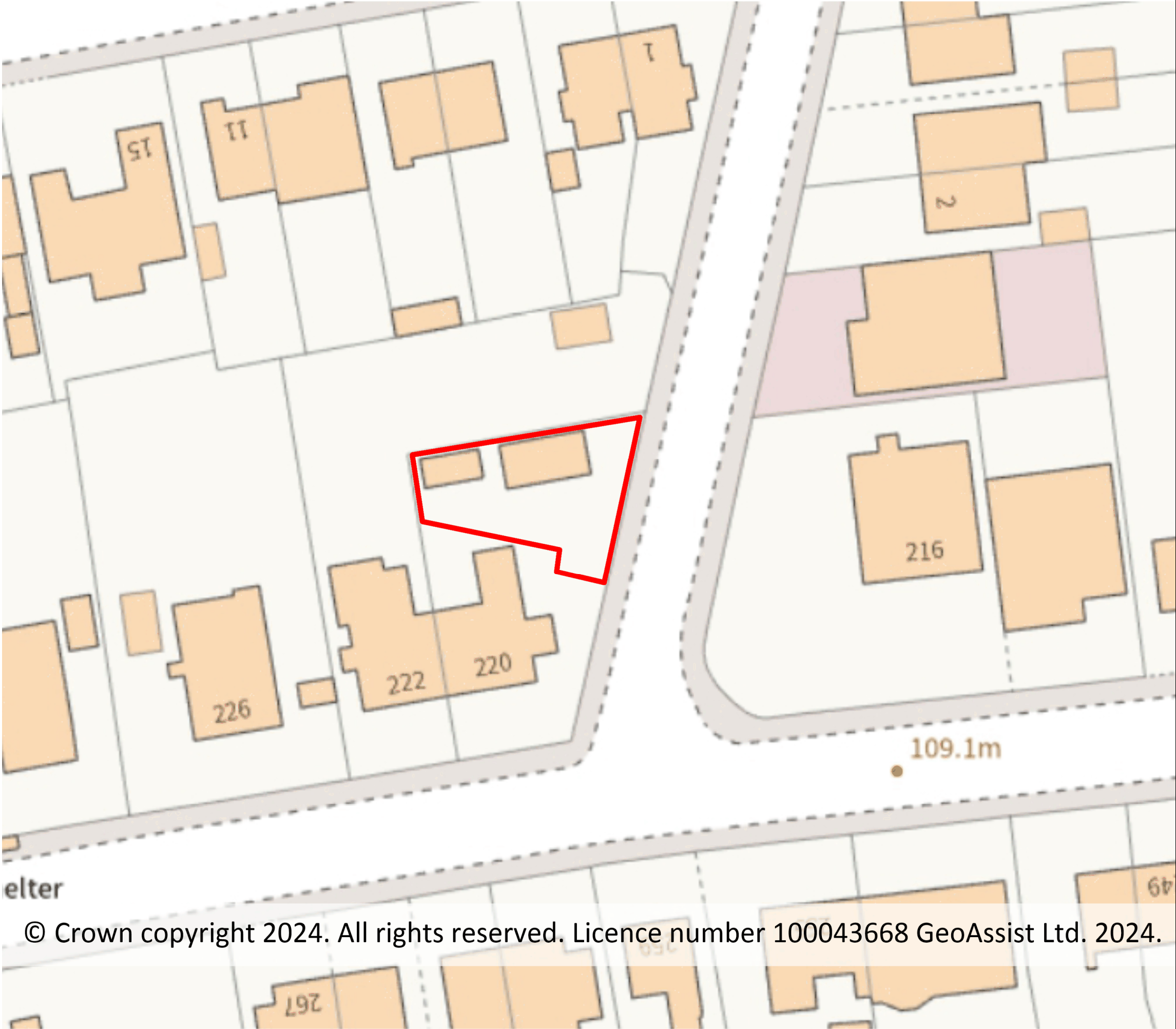
Technical Director

This report has been prepared by GeoAssist Limited with all reasonable professional skill, care and diligence within the terms of the contract with Chris Hames. The report is confidential to Chris Hames, their/the named persons advisors and bankers, and GeoAssist Limited accepts no responsibility of whatever nature to third parties to whom this report may be divulged. GeoAssist Limited owns the copyright in this report. All rights are reserved, and unauthorised use is prohibited. Chris Hames may use the report for their/her/his own purposes.

GeoAssist have utilised the third-party information presented in the Environmental data search in order to undertake the Preliminary Contaminated Land Risk Assessment. GeoAssist are not liable for any errors, omissions or facts that might be contained within the Environmental data search report

Appendix A

- A1 Site Plan
- A2 Site Photographs
- A3 Site Development Plan



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A1 Site Plan

Site Name	Land Adjacent to 220 Ainsworth Road
Location	Bury
GeoAssist Ref	6190VAR
Client	Chris Hames
	220 Ainsworth Road Bury BL8 2LR
Planning Consultant	Equilibrium Architects Ltd
NGR (centre of site)	378550,410690
Production Date	June 2025
Survey Method	
Surveyor	Others
Status	Final v1.00
Base Survey	OSGB36

Do Not Scale

A2 Site Photos

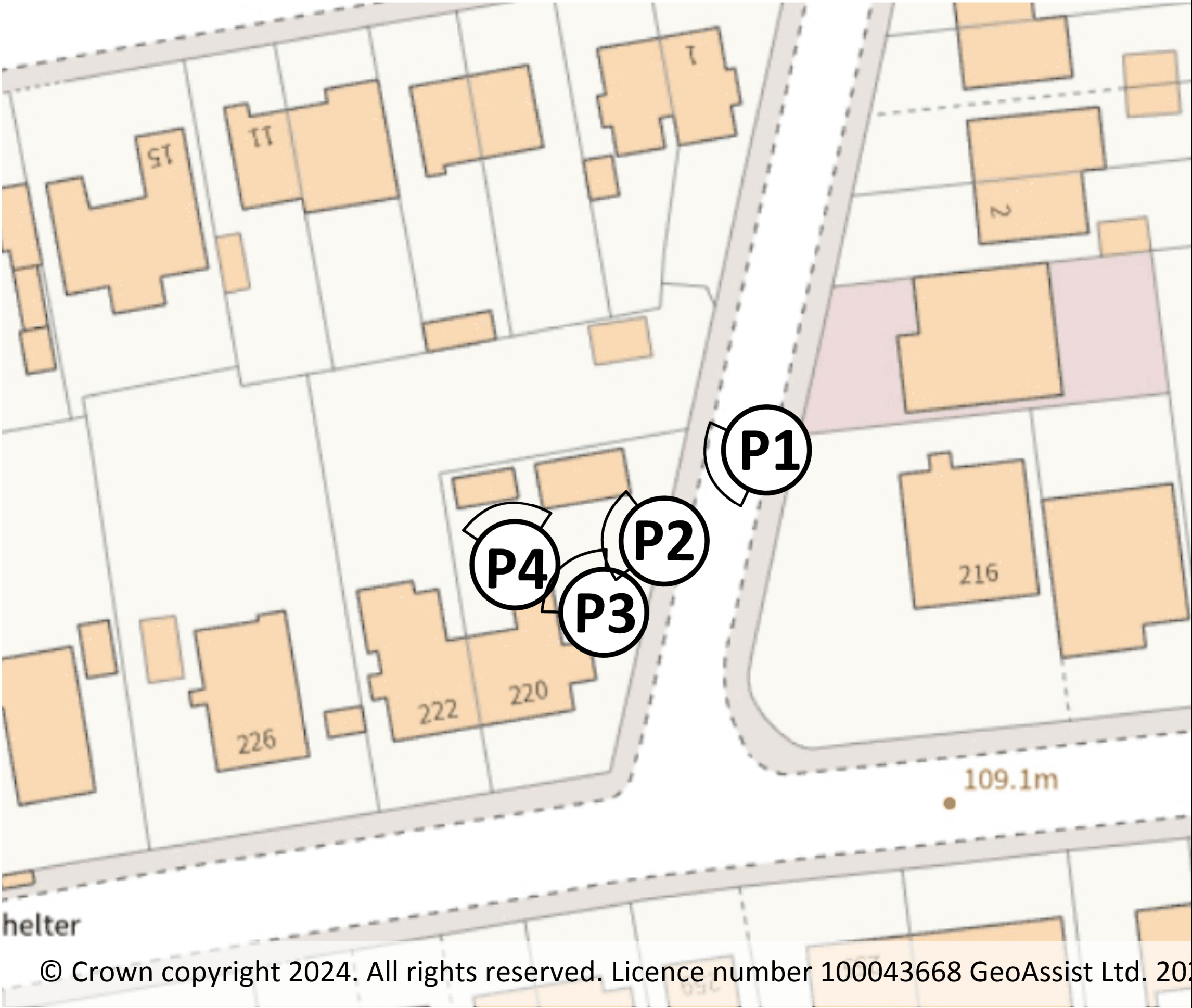
Site Name	Land Adjacent to 220 Ainsworth Road
Location	Bury
GeoAssist Ref	6190VAR
Client	Chris Hames
	220 Ainsworth Road Bury BL8 2LR
Planning Consultant	Equilibrium Architects Ltd
NGR (centre of site)	378550,410690
Production Date	June 2025
Survey Method	
Surveyor	Others
Status	Final v1.00
Base Survey	OSGB36



A2 Site Photo Plan

Site Name	Land Adjacent to 220 Ainsworth Road
Location	Bury
GeoAssist Ref	6190VAR
Client	Chris Hames
	220 Ainsworth Road Bury BL8 2LR
Planning Consultant	Equilibrium Architects Ltd
NGR (centre of site)	378550,410690
Production Date	June 2025
Survey Method	
Surveyor	Others
Status	Final v1.00
Base Survey	OSGB36

Do Not Scale



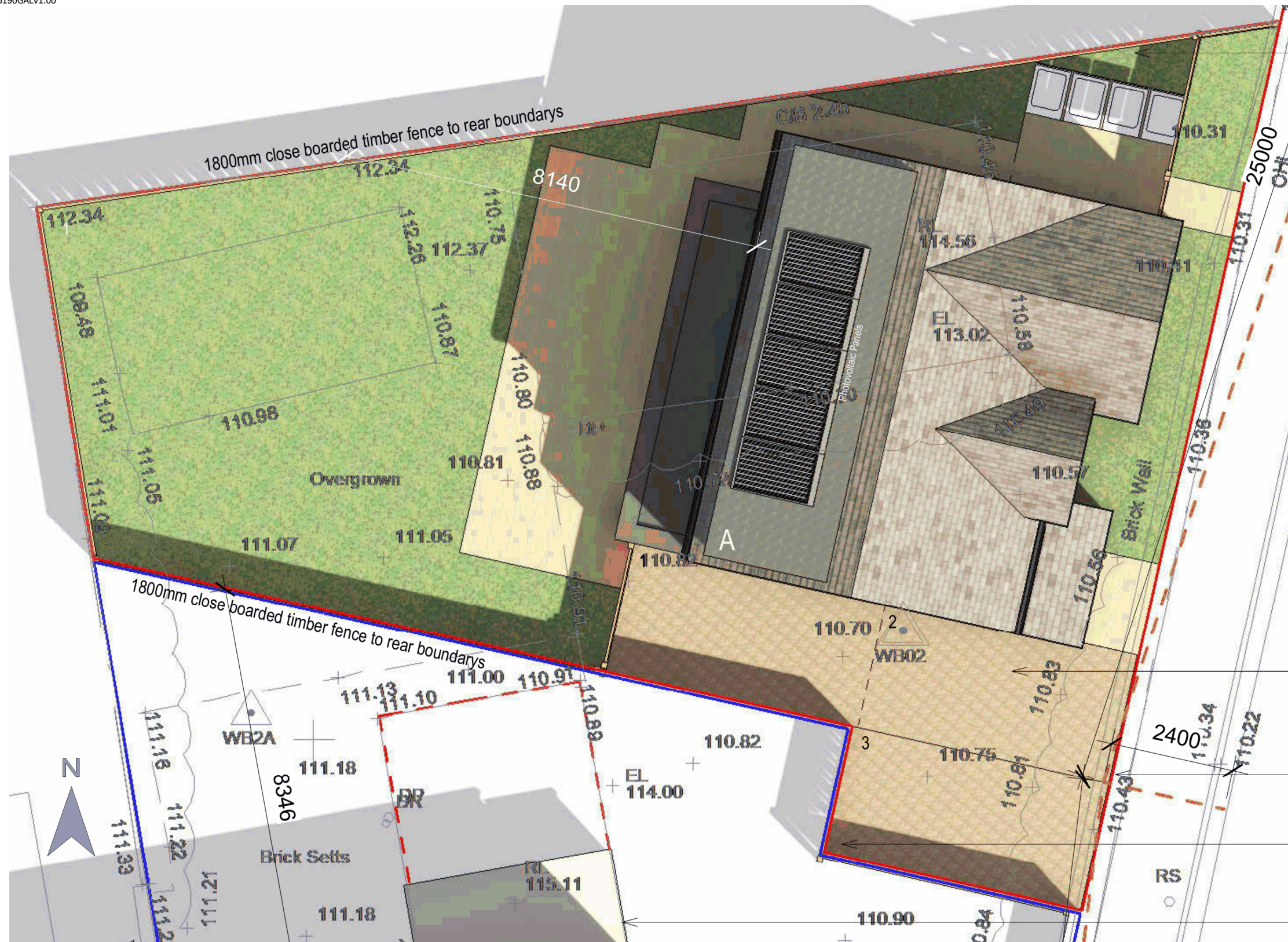
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A3 Site Development Plan

Site Name	Land Adjacent to 220 Ainsworth Road
Location	Bury
GeoAssist Ref	6190VAR
Client	Chris Hames
	220 Ainsworth Road Bury BL8 2LR
Planning Consultant	Equilibrium Architects Ltd
NGR (centre of site)	378550,410690
Production Date	June 2025
Survey Method	
Surveyor	Others
Status	Final v1.00
Base Survey	OSGB36

Do Not Scale



Appendix B

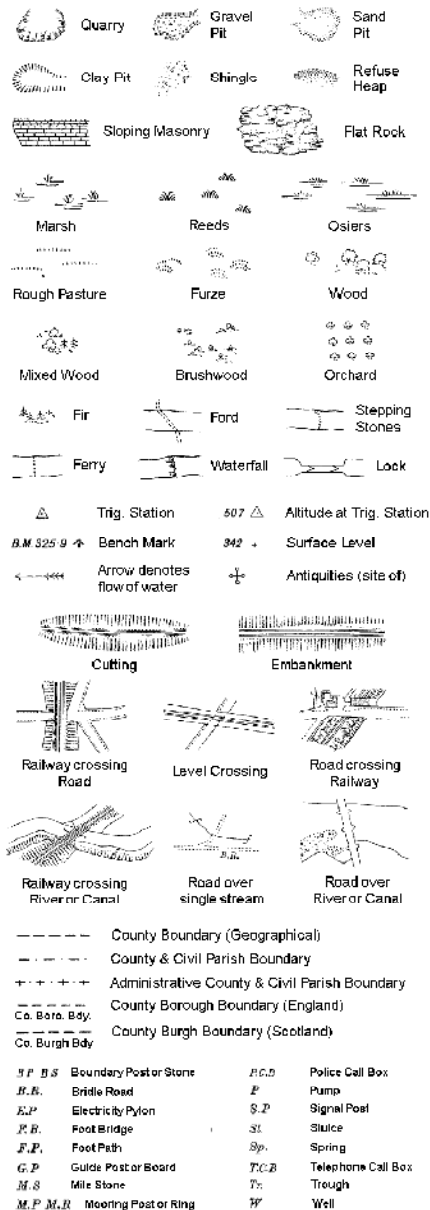
B1 OS Historical Plans

Appendix B1

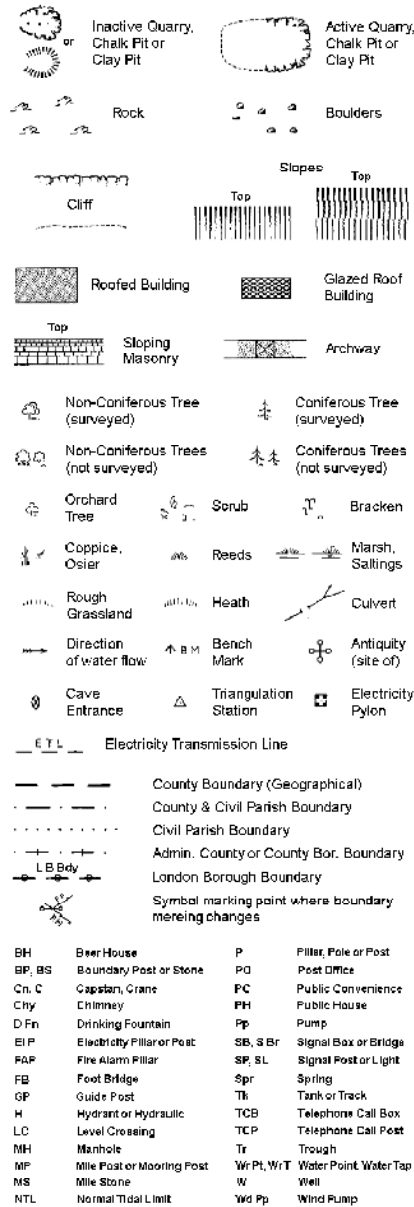
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Lancashire And Furness	1:2,500	1910
Lancashire And Furness	1:2,500	1929
Lancashire And Furness	1:2,500	1939
Ordnance Survey Plan	1:1,250	1957 - 1959
Ordnance Survey Plan	1:2,500	1958 - 1960
Ordnance Survey Plan	1:1,250	1963 - 1975
Additional SIMs	1:1,250	1963 - 1992
Ordnance Survey Plan	1:1,250	1968 - 1982
Ordnance Survey Plan	1:2,500	1970
Large-Scale National Grid Data	1:1,250	1992
Large-Scale National Grid Data	1:1,250	1994 - 1995
Large-Scale National Grid Data	1:1,250	1995
Large-Scale National Grid Data	1:1,250	1996
Historical Aerial Photography	1:2,500	2001

Historical Mapping Legends

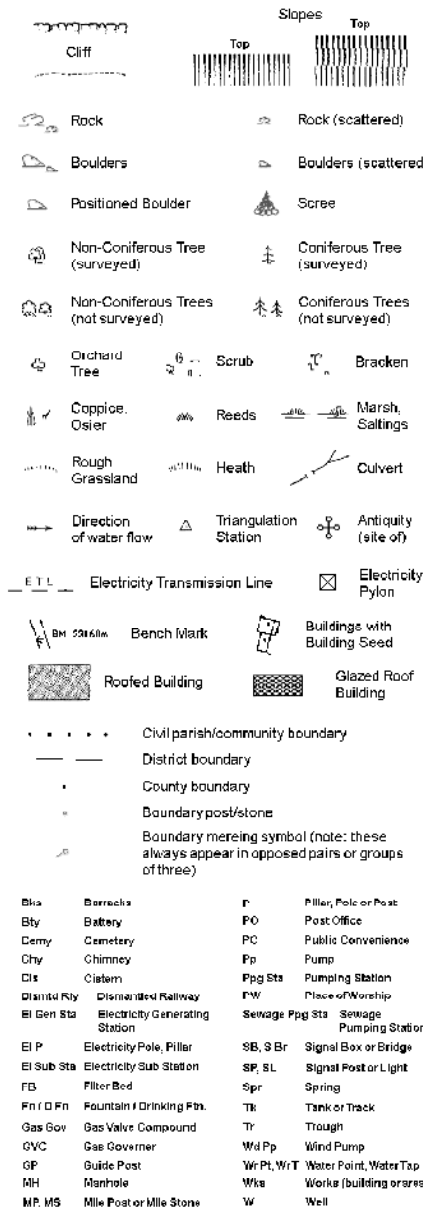
Ordnance Survey County Series and Ordnance Survey Plan 1:2,500



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



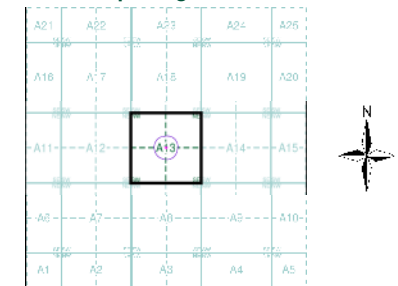
Large-Scale National Grid Data 1:2,500 and 1:1,250



Historical Mapping & Photography included:

Mapping Type	Scale	Date	Pg
Lancashire And Furness	1:2,500	1893	2
Lancashire And Furness	1:2,500	1910	3
Lancashire And Furness	1:2,500	1929	4
Lancashire And Furness	1:2,500	1939	5
Ordnance Survey Plan	1:1,250	1957 - 1959	6
Ordnance Survey Plan	1:2,500	1958 - 1960	7
Ordnance Survey Plan	1:1,250	1963 - 1975	8
Additional SIMs	1:1,250	1963 - 1992	9
Ordnance Survey Plan	1:1,250	1968 - 1982	10
Ordnance Survey Plan	1:2,500	1970	11
Large-Scale National Grid Data	1:1,250	1992	12
Large-Scale National Grid Data	1:1,250	1994 - 1995	13
Large-Scale National Grid Data	1:1,250	1995	14
Large-Scale National Grid Data	1:1,250	1996	15
Historical Aerial Photography	1:2,500	2001	16

Historical Map - Segment A13

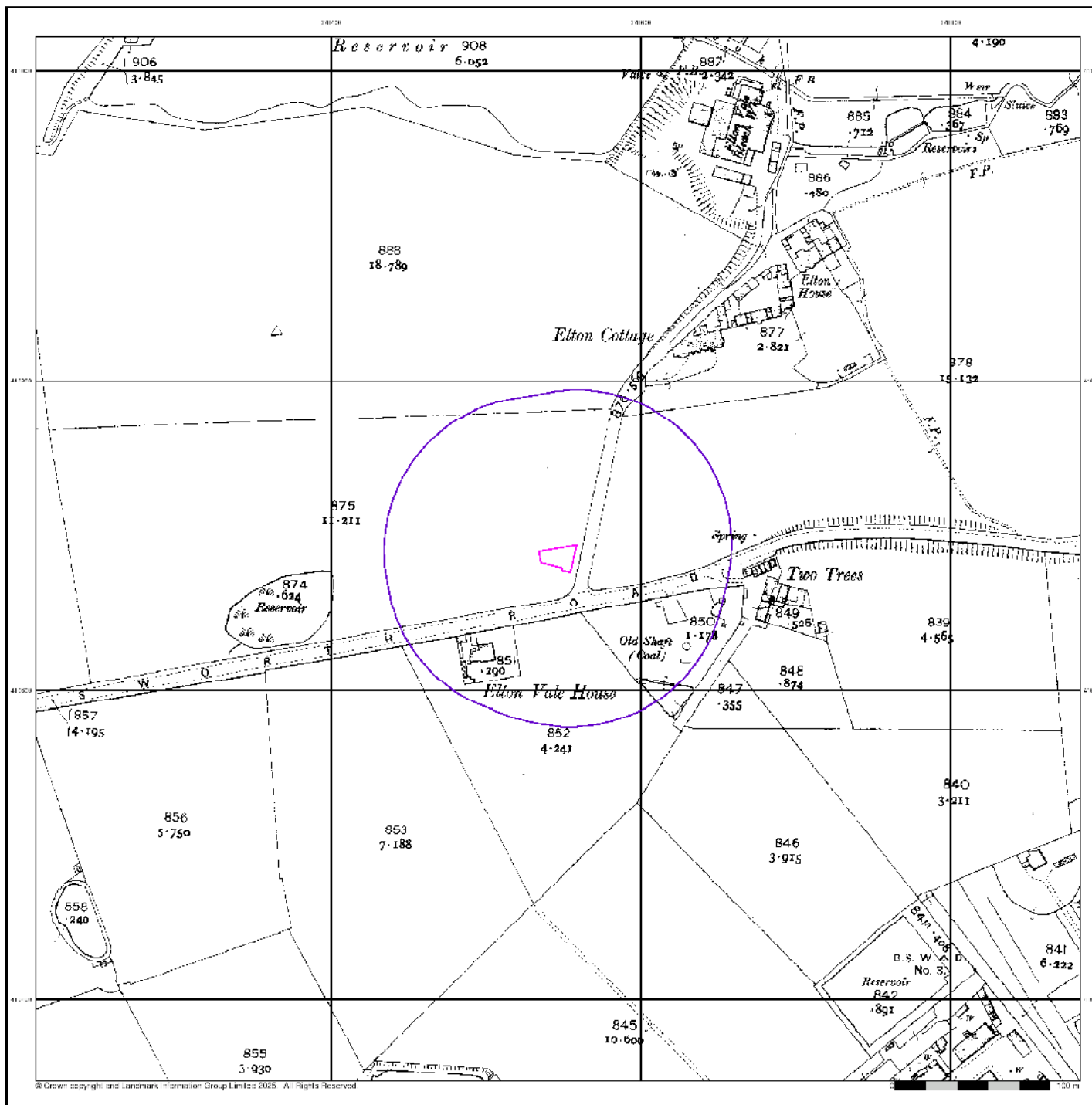


Order Details

Order Number: 380681438_1_1
 Customer Ref: 6190
 National Grid Reference: 378550, 410690
 Slice: A
 Site Area (Ha): 0.03
 Search Buffer (m): 100

Site Details

220, Ainsworth Road, Bury, BL8 2LR



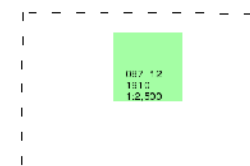
Lancashire And Furness

Published 1910

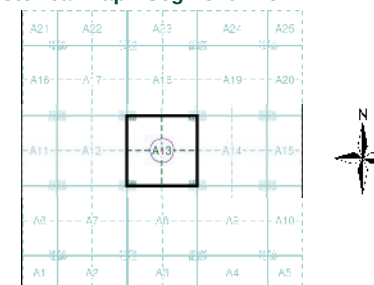
Source map scale - 1:2,500

The historical maps shown were reproduced from maps predominantly held at the scale adopted for England, Wales and Scotland in the 1840's. In 1854 the Ordnance Survey adopted a scale for mapping urban areas and by 1861 it covered the whole of what were considered to be the cultivated parts of Great Britain. The published data given below is often some years later than the surveyed data. 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

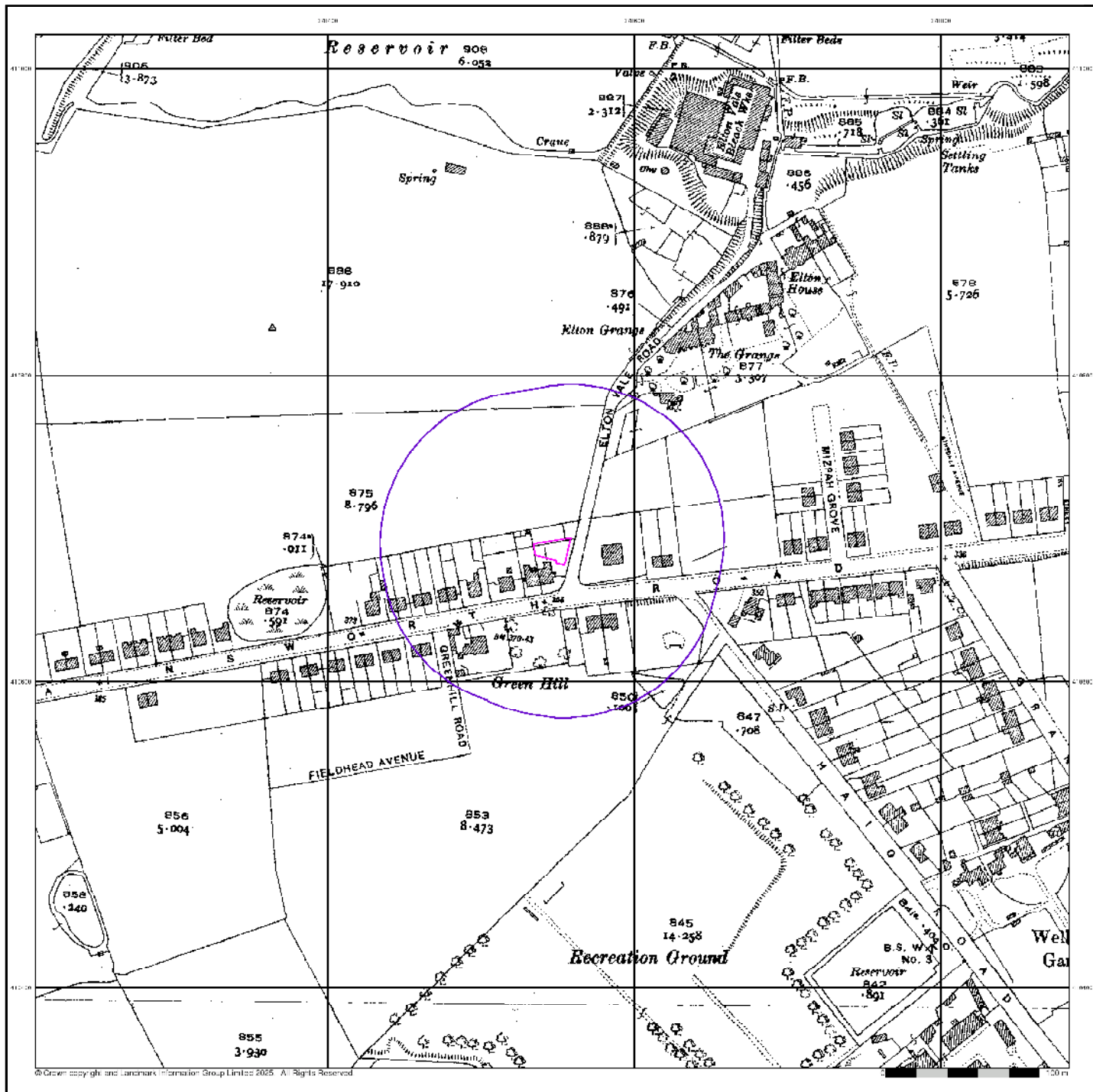
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Customer Ref:	6190
National Grid Reference:	378550, 410690
Slice:	A
Site Area (Ha):	0.03
Search Buffer (m):	100

Site Details

220, Ainsworth Road, Bury, BL8 2LR

Landmark
INFORMATION GROUP

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



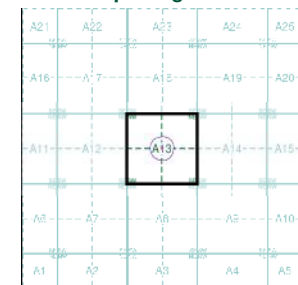
Lancashire And Furness
Published 1929
Source map scale - 1:2,500

The historical maps shown were reproduced from maps predominantly held at the scale adopted for England, Wales and Scotland in the 1840's. In 1854 the 1:2,500 scale was adopted for mapping urban areas and by 1896 it covered the whole of what were 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

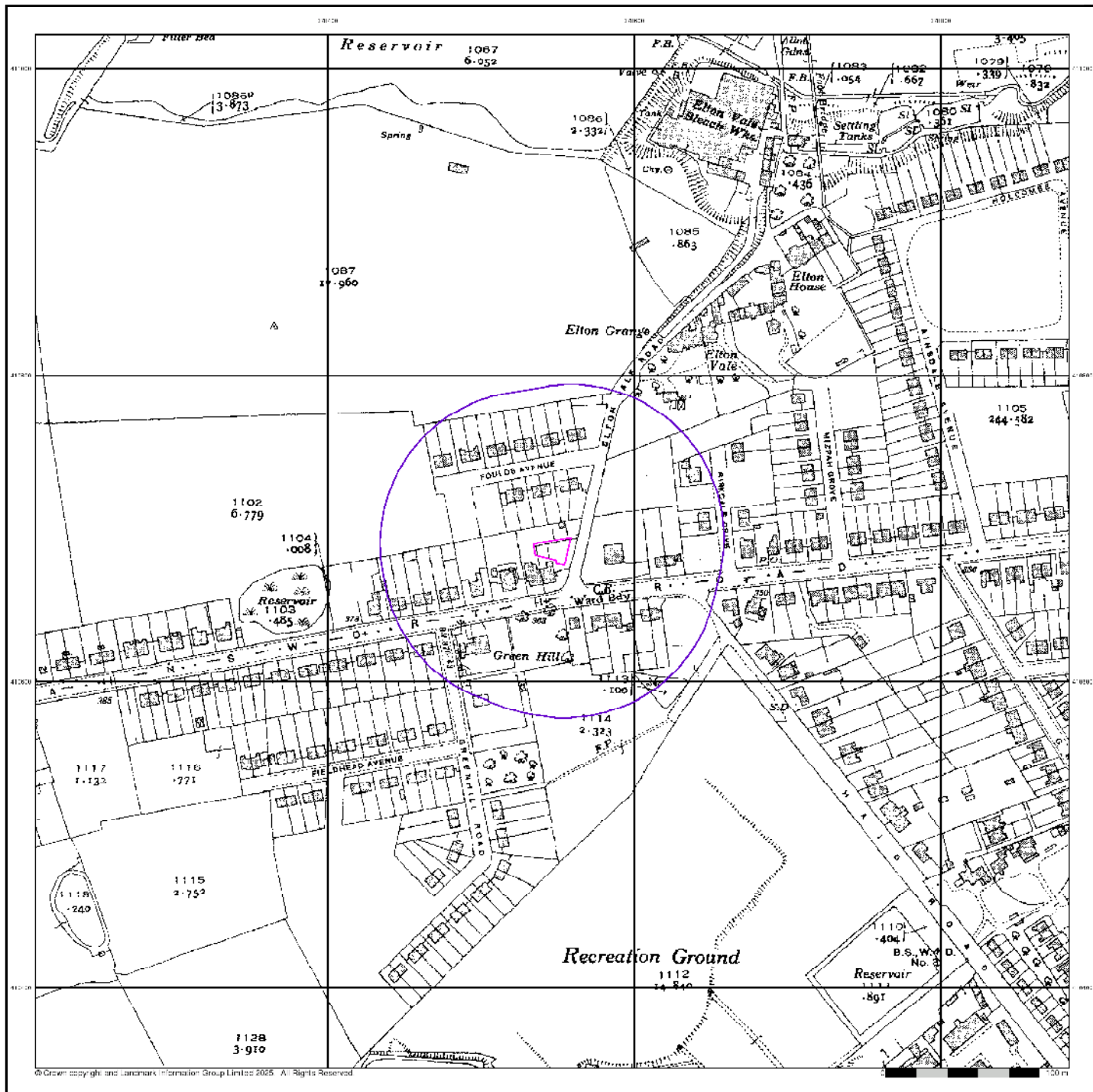


Order Details

Order Number: 380681438_1_1
Customer Ref: 6190
National Grid Reference: 378550, 410690
Slice: A
Site Area (Ha): 0.03
Search Buffer (m): 100

Site Details

220, Ainsworth Road, Bury, BL8 2LR



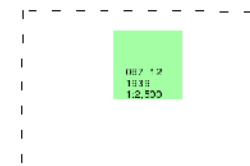
Lancashire And Furness

Published 1939

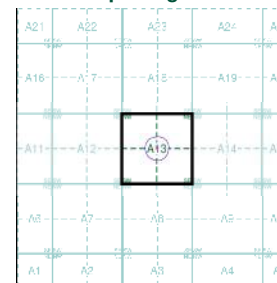
Source map scale - 1:2,500

The historical maps shown were reproduced from maps predominantly held at the scale adopted for England, Wales and Scotland in the 1840's. In 1854 the 1:2,500 scale was adopted for mapping urban areas and by 1896 it covered the whole of what were 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

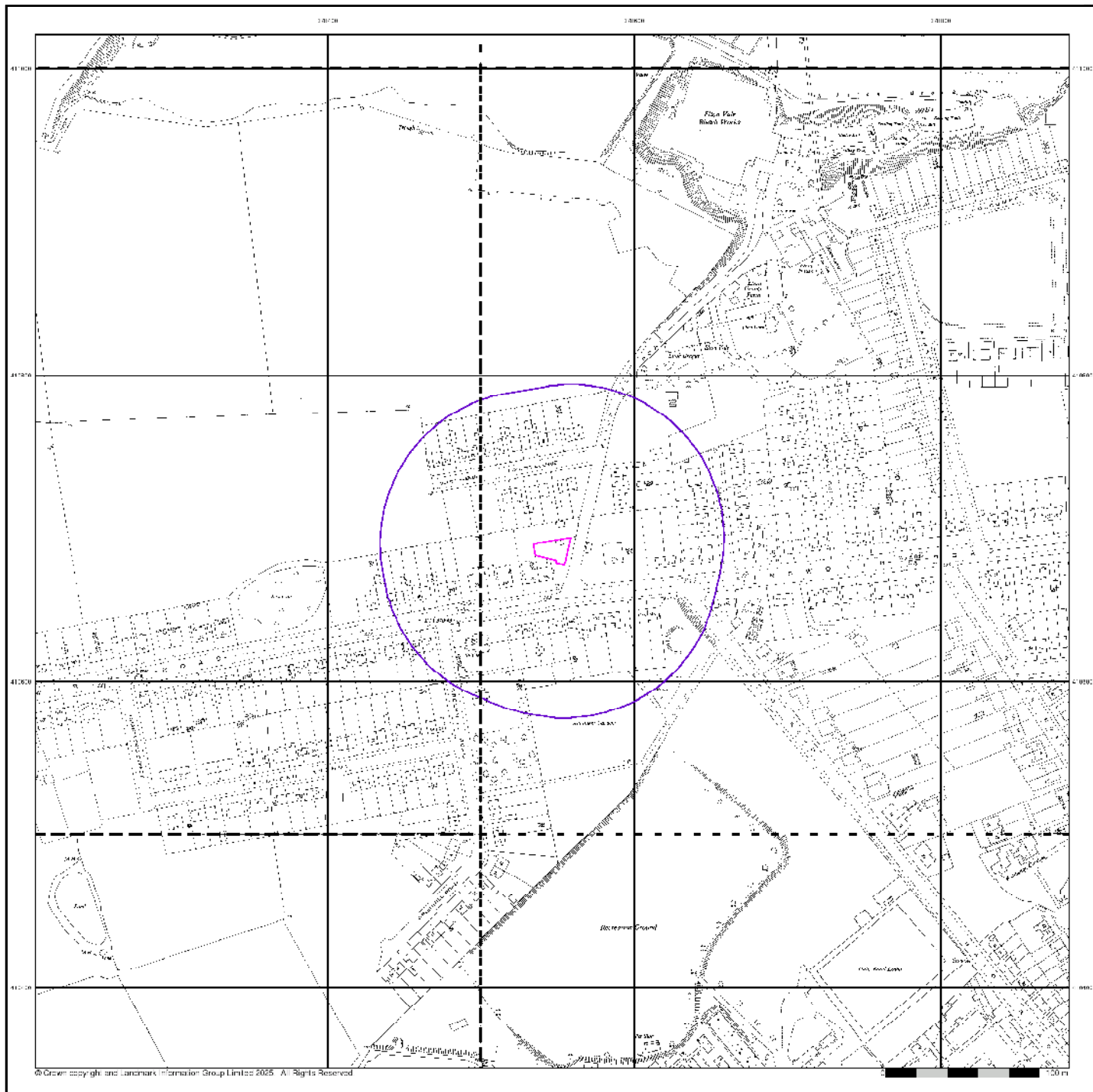


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Ordnance Survey Plan

Published 1957 - 1959

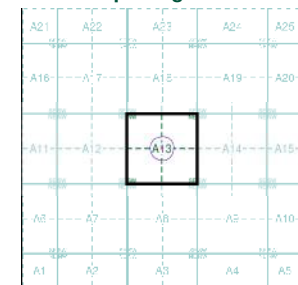
Source map scale - 1:1,250

The historical maps shown were reproduced from maps predominantly held at the scale adopted for England, Wales and Scotland in the 1840's. In 1854 the 1:2,500 scale was adopted for mapping urban areas and by 1896 it covered the whole of what were 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)

ID: 7811SV	ID: 7811SE
950	959
1:250	1:250
ID: 7810NW	ID: 7810NE
957	957
1:250	1:250
ID: 7810SW	ID: 7810SE
957	957
1:250	1:250

Historical Map - Segment A13

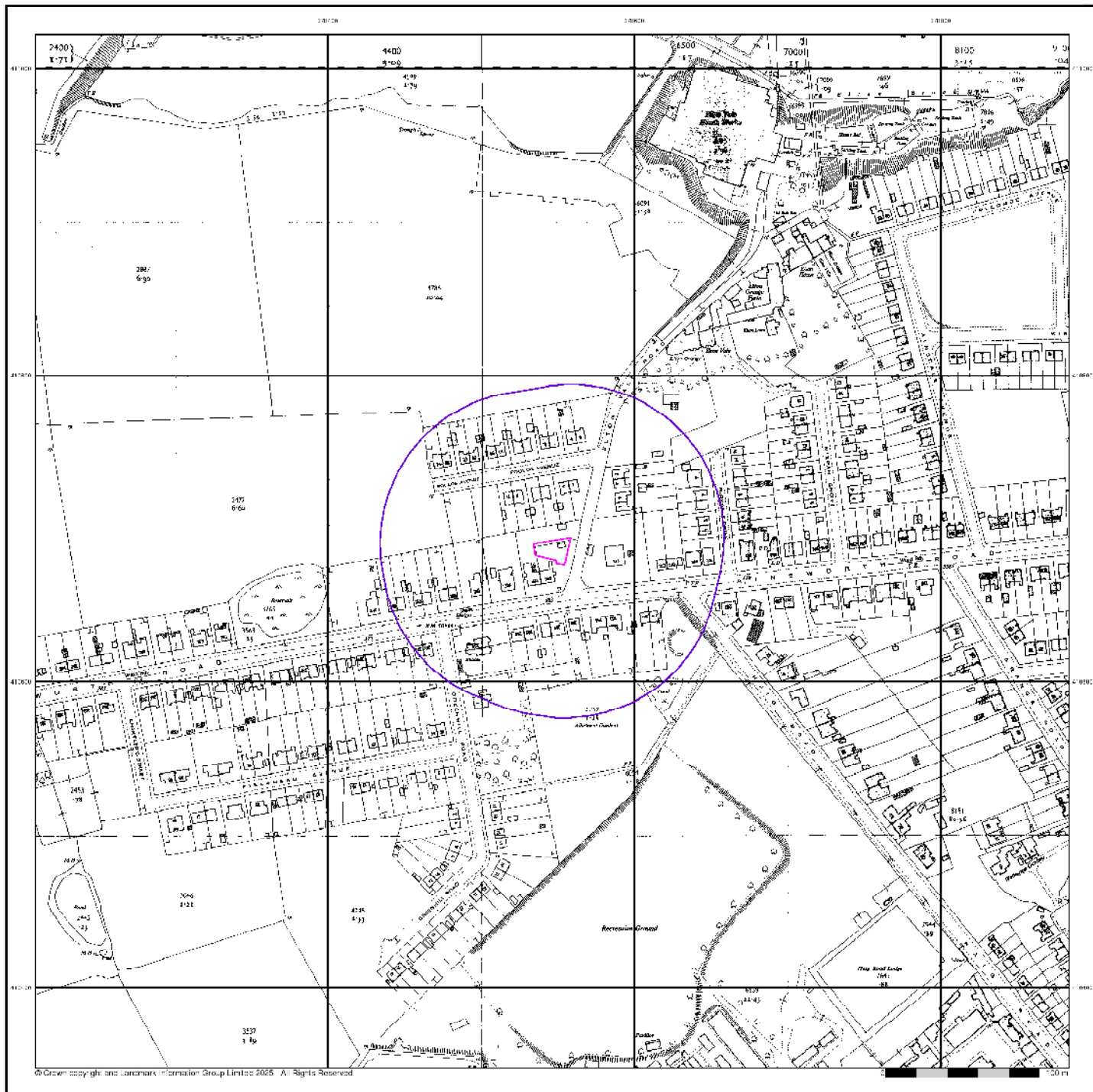


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Site Area (Ha): 0.03
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Site Details

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Ordnance Survey Plan

Published 1958 - 1960

Source map scale - 1:2,500

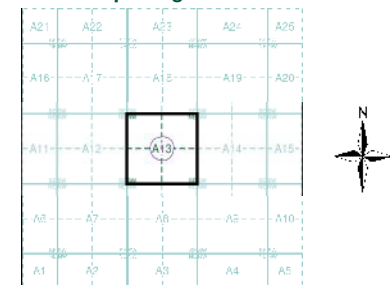
The historical maps shown were reproduced from maps predominantly held at the scale adopted for England, Wales and Scotland in the 1840's. In 1854 the 1:2,500 scale was adopted for mapping urban areas and by 1896 it covered the whole of what were considered to be the cultivated parts of Great Britain. 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)

SD7811
1958
1:2,500

SD7810
1958
1:2,500

Historical Map - Segment A13

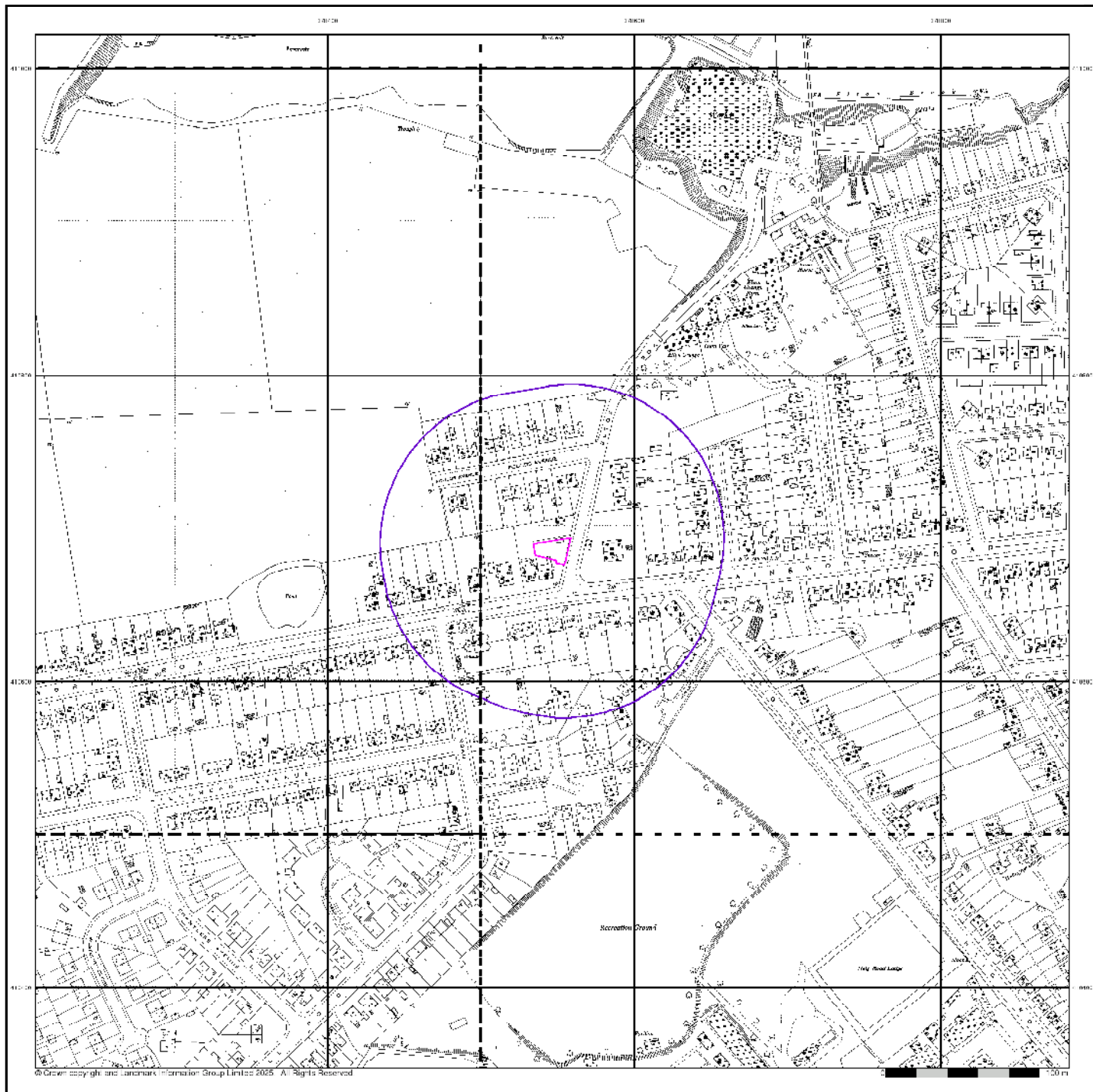


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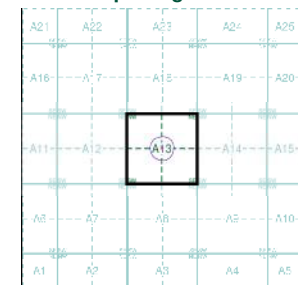
Ordnance Survey Plan
Published 1963 - 1975
Source map scale - 1:1,250

The historical maps shown were reproduced from maps predominantly held at the scale adopted for England, Wales and Scotland in the 1840's. In 1854 the 1:2,500 scale was adopted for mapping urban areas and by 1896 it covered the whole of what were 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)

ID7811SV	ID7811SE
975	987
: 250	: 1 250
ID7810AV	ID7810NE
963	963
: 250	: 1 250
ID7810SW	ID7810SE
963	963
: 250	: 1 250

Historical Map - Segment A13

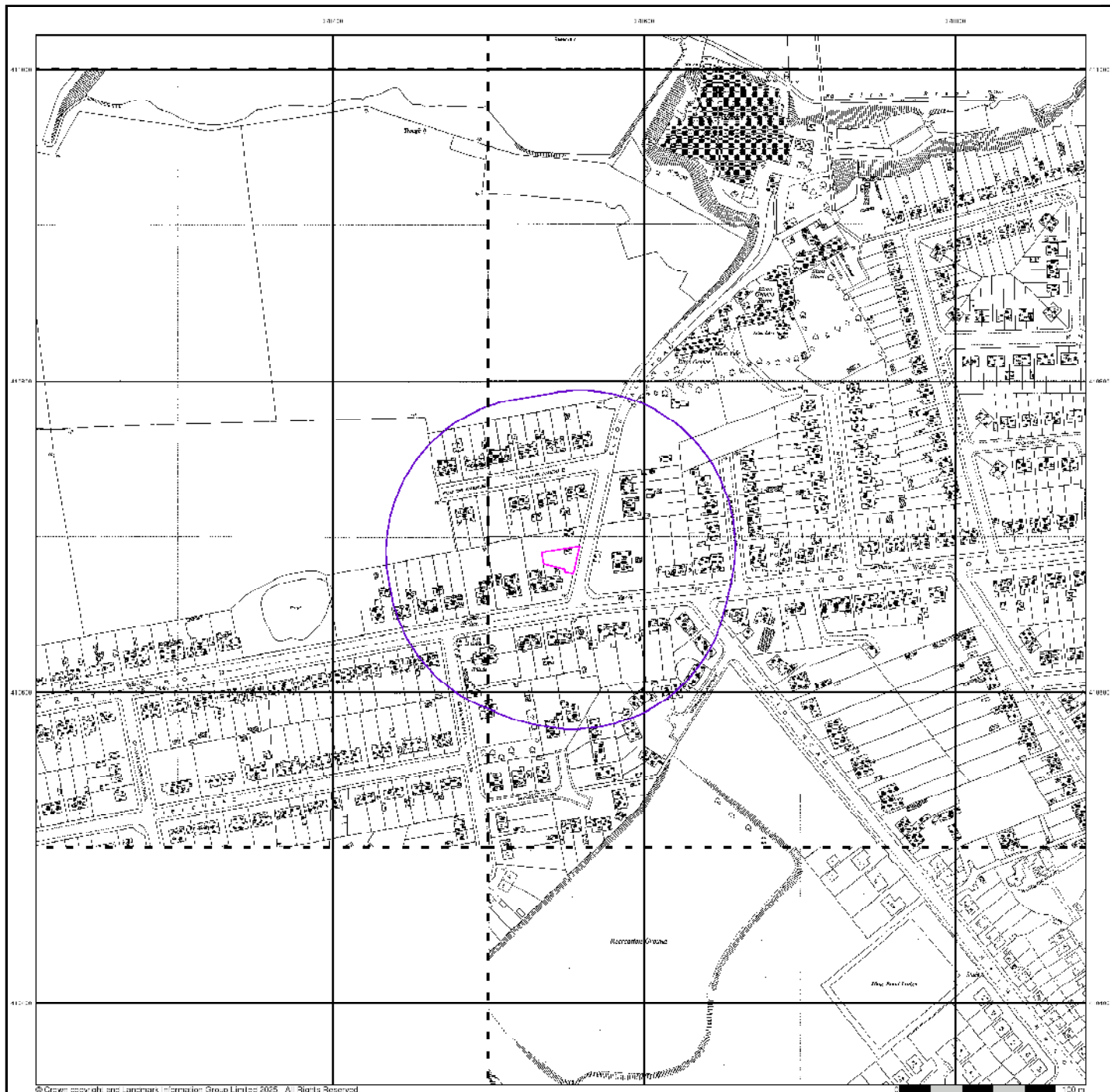


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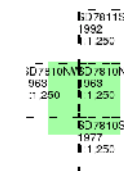
Additional SIMs

Published 1963 - 1992

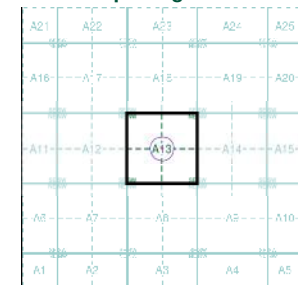
Source map scale - 1:1,250

The SIM cards (Ordnance Survey's 'Survey of Information on Microfilm') are further, minor editions of mapping which were produced and published in between the main editions as an area was updated. They date from 1947 to 1994, and 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



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