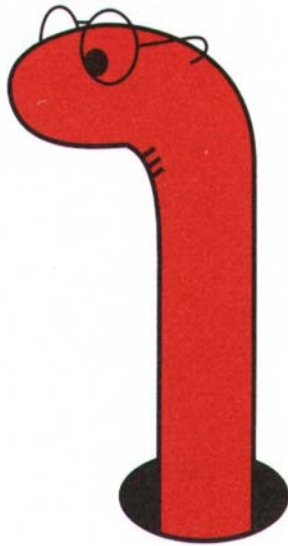


Electronic Report



WORMS EYE

**52 Bank Parade
Burnley
BB11 1TS
Phone
01282 414649 / 458410
Fax 01282 721916**

Our Ref: Hawkshaw Lane / BL8 4LB / 2021
Date: 29TH April 2021

Mr Peter Williams
Wbw Surveyors Limited
Skipton Auction Mart
Gargrave Road
Skipton
BD23 1UD

Email: peter.williams@wbwsurveyors.co.uk

HIGHER HOUSE FARM, 14 HAWKSHAW LANE, TOTTINGTON, BURY, BL8 4LB
PRELIMINARY RISK ASSESSMENT (DESK STUDY)

INTRODUCTION

A residential development is proposed. The objective is to carry out a Preliminary Risk Assessment to consider contamination and landfill gas issues.

SITE DESCRIPTION

Higher House Farm is located to the northeast of Hawkshaw Lane in Tottington and at OS Grid Reference 375989, 415815. The site, inspected on 26/4/21 by Mrs E Whitaker (Geotechnician), is at the northeast of the farm and has a main section, 30 x 23m, at the northeast, linked with a narrow access about 15 x 2m, running southwest from the northwest corner to Hawkshaw Lane. There are three buildings on site (labelled by Worms Eye):

Building 1 – Stables at northeast, concrete/brick with sheet metal cladding and suspected asbestos sheet roof with unsurfaced area to the northeast.

Building 2 – Stables along southwest side of building 1. Stone with slate roof with hardcore surfaced courtyard to the southwest.

Building 3 – Store room at southeast of building 2, stone with slate roof.

Building 4 – Telecommunication mast southeast of building 1.

To the east and southeast and fields to the southwest/west are farm buildings and farm yard to Higher House Farm and to the north/northwest is a hardcore surfaced yard and timber building, with fields.

The area slopes down to the south.

PROPOSED DEVELOPMENT

It is proposed to demolish building 1; convert stone barn to 2 to a house, build a single storey lean-to extension to its northeast and created a garden at the northeast.

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NOT INCLUDED IN THE REPORT

- Arboricultural Survey.
- Asbestos Survey
- Invasive Plant Survey (Japanese Knotweed etc.).
- Mining Risk Assessment.
- River/Tidal Flood Risk Assessment.
- Surface Water Flooding.
- Underground Services Survey.

General comments may be made where there are obvious features seen on site or in the data, or where they are applicable to this report. These do not constitute a detailed risk assessment.

DATA SOURCES

The following data sources have been viewed in compiling this report.

- BGS, Geology Map, 1:50000 scale, Solid and Drift Edition
- BGS, on-shore boreholes scans
- Landmark Envirocheck Report, 20/4/21
- Ordnance Survey, Historical Maps, 1:10000 and 1:2500 scale
- Walkover Survey, 26/4/21

This report is referred to as a Preliminary Risk Assessment (PRA), alternative names are 'Phase I' Report (Phase II being the intrusive work involving boreholes etc.) or a Desk Study.

ENVIRONMENTAL DATA

A Landmark Envirocheck report and geological maps have been reviewed, the following is a summary of the combined data. The Envirocheck report indicated none of the following within 250 metres:

- Contaminated land register entries
- Pollution incidents
- Substantiated pollution incidents
- Water abstraction points (none within 500m)
- Source protection zones
- Radioactive sites
- Areas of flooding from rivers
- Landfill sites
- Hazardous substances sites
- Fuel stations
- Sensitive land uses (other than Unadopted Green Belt)

Geology of Site

The geological map indicates that the underlying solid rocks are Brooksbottom Grit Sandstone of the Millstone Grit Group.

Surface drift is shown as glacial till (boulder clay) of unknown thickness and natural subsidence hazards are shown as very low to no hazard.

Radon

The site is in a lower probability radon area as less than 1% of homes in the area are above the radon action level. Radon protection measures are not required.

Surface Water (Hydrology)

The nearest water course, along the hydraulic gradient, is Kirklees Brook 280m southwest.

The nearest discharge consent is for final/treated effluent to Kirklees Brook, 140m southwest *

The area slopes down to the south and the flow of surface water is expected to be in this direction.

* not relevant due to distance/severity/significance

Flooding (General)

Information from the EA flood maps suggests areas where rivers would flood. There are two zones:

- 'normal' flooding, based on a 1 in 100 chance of it happening in any year (1:200 if flooding is from the sea). This is normally closer to the river.
- 'extreme' flooding, further away from the river and having a 1 in 1000 chance.

Flooding can occur for many reasons other than those dealt with by the EA maps. These include:

- burst pipes
- blocked drains, sewers and culverts
- inadequate drainage
- cloudbursts/flash flooding overwhelming normally satisfactory drainage systems

Statements in this report such as 'clear of flooding/flood plain' and 'flooding – no further action' are references to the EA river and sea flood maps and are no guarantee that flooding will not occur.

Groundwater Flooding

The site is shown to be in an area with a limited potential for groundwater flooding to occur.

Flooding from Rivers

The site is shown to be clear of flooding from rivers.

Surface Water Flooding

The site is shown to be clear of surface water flooding.

Groundwater (Hydrogeology)

The solid rocks under the site are indicated as a Secondary A aquifer.

Superficial (drift) deposits are classed as a Secondary Undifferentiated aquifer.

Groundwater flow is likely to follow the topography and move to the south.

Nearby Industry

There are the following trade directory entries listed within 250m:

- Horse Boxes and Transporting, on-site, inactive.
- Shredding Equipment and Services, 140m southwest, inactive *

* not relevant due to distance/severity/significance

SITE HISTORY

Date	On Site	Off Site
1850 (1:10,560)	Higher House Farm on-site, with building 2 present.	Farmhouse immediately southwest, as present. Stream 104m southeast. Otherwise, undeveloped fields.
1890 – 1910 (1:2,500)	Little or no change.	No relevant change.
1929 (1:2,500)	Building extended at northeast corner.	No relevant change.
1937 – 1964 (1:2,500)	Little or no change.	No relevant change.
1971 – 1992 (1:2,500)	Little or no change.	No relevant change.
2000 – 2003 (1:10,000)	Building 1 constructed as an extension to the northeast of building 2.	Building 10m north and yard immediately north, as present.
2021 (1:10,000)	Telecom mast immediately southeast.	No relevant change.

DISCUSSION

Contamination

The site comprises three farm buildings, buildings 1 and 2 most recently being stables and building 3 a store. Whilst there has been no use from which high levels of contaminants would be expected, the site is part of a farm. Low levels of contaminants are often found on farms, exceeding stringent residential thresholds, from storage and use of machinery and equipment, spills and building materials.

The yard to the north was part of the horse but transport associated with the site and does not increase potential risks on-site.

There have been no off-site industry that will affect the site and no pollution incidents on or close to the site.

The existing building has suspected asbestos cement sheets and the demolition needs to be carefully undertaken to prevent contaminants entering the ground.

The development will be a house with garden. Potential pollutant linkages are considered to be:

- Direct contact with soil.
- Ingestion of soil.
- From homegrown vegetables and soil attached to vegetables.
- Inhalation and ingestion of dust.
- Sulphate attack on buried concrete.

A low to moderate risk is expected to householders.

Controlled Waters

There is an underlying Secondary A aquifer beneath clay. There are no nearby source protection zones or water abstraction points.

Kirklees Brook is 280m southwest.

Although the gardens will allow rainwater to pass through the surface soils, contamination is not expected at high levels. The anticipated underlying clay will further impede the migration of water, and it is anticipated there will be no risk to controlled waters.

Landfill Gas/Ground Gas

There are no landfill sites or notable filled features within 250 metres.

Furthermore, there is no indication of deep made ground being present on-site.

There are no credible on or off-site landfill or ground gas sources, and no gas risk to the development.

Radon

Radon protection measures are not required.

Flooding from Rivers

The Environment Agency maps show that this site is clear of flooding from rivers.

Groundwater and Surface Water Flooding

The site is shown to be clear of areas of surface water flooding.

The site is shown to be in an area with limited potential for groundwater flooding to occur.

INDUSTRY PROFILE

The site comprised two stables and a small store on a farm.

Industry	Possible Contaminants
Possible contaminants	Metals: e.g. copper, zinc, chromium, nickel, lead, cadmium, arsenic, Inorganic compounds: cyanide, sulphates Phenols Mineral oils, fuel oils (TPHs) Asbestos Pesticides General hydrocarbons (PAHs)

CONCEPTUAL MODEL

A conceptual model based on the source-pathway-receptor concept is included with this desk study to show the potential pollutant linkages with this site.

Source	Receptors	Pathway	Potential/Likely Pollutant Linkage
Asbestos	End-users	Inhalation	Yes
	Off-site	Migration off-site	Unlikely
Inorganic contaminants	Householders	Direct contact, ingestion, from home grown vegetables, ingestion and inhalation of dust	Yes
	Groundwater	Leaching towards	No
	River/stream	Leaching towards	No
Sulphate	Building fabric	Concrete directly in contact with soil	Possible
Hydrocarbons	Householders	Direct contact, ingestion, from home grown vegetables, ingestion and inhalation of dust	Yes
	Service pipes	Seeping into drinking water pipes	Unlikely
	Groundwater	Leaching towards	No
	River/stream	Leaching towards	No
Hydrocarbon vapours	Householders	Inhalation of vapours indoors and outdoors	No
Landfill gas	End-users - in buildings	Seeping into buildings, explosion, asphyxiation	No
Radon	End-users - in buildings	Seeping into buildings	No

CONCLUSION

Contamination

Taking into account the past use of the site it is thought unlikely that contamination will be present on the site at high levels. However, low levels, exceeding stringent residential thresholds, are anticipated.

An intrusive investigation is required, consisting of boreholes/ trial holes and tests to confirm the presence/absence and extent of contamination on the site.

There are no specific point sources for contamination and the investigation will need to target proposed gardens and provide all round coverage.

Controlled Waters

No risk to controlled water is expected and no further action is considered necessary at this stage. This may need to be reviewed following the soil tests.

Landfill Gas/Ground Gas

There are no credible on or off-site landfill or ground gas sources.

Gas testing is not needed and no special precautions are required.

Radon

Radon protection measures are not required.

Flooding

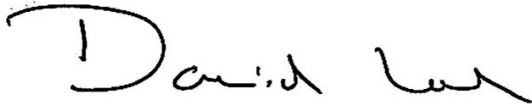
The EA maps indicate that the area is clear of flooding from rivers.

The maps indicate that the area is clear of surface water flooding.

These maps are fairly crude and it is beyond the scope of this report to provide a comprehensive flood risk assessment. For greater confidence a detailed flood risk assessment should be obtained.

Yours faithfully

on behalf of Worms Eye Ltd

A handwritten signature in black ink, appearing to read 'David Lord', with a stylized flourish at the end.

David Lord

BSc (Hons)

FGS, MEnvSc, AIEMA

HIGHER HOUSE FARM, 14 HAWKSHAW LANE, TOTTINGTON, BURY, BL8 4LB

LIST OF APPENDICES – PRELIMINARY RISK ASSESSMENT (Desk Study)

Existing Site Plan

Photographs of Site

Proposed Site Plan

Landmark Summary Map

Landmark Envirocheck Report

Historical Maps

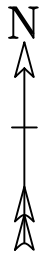
Conceptual Model

ABBREVIATIONS

<u>Chemical</u>	BAP	Benzo(a)pyrene
	BTEX	Benzene, toluene, ethylbenzene, xylene
	DAHA	Dibenzo(ah)anthracene
	MTBE	Methyl tertiaryt-butyl ether (additive to petrol)
	EPH	Extractable Petroleum Hydrocarbons (formerly Diesel Range Organics – DRO)
	NFD	No fibres detected (asbestos test)
	PAH	Polycyclic aromatic hydrocarbons
	PCB	Polychlorinated biphenyls
	PID	Photo ionisation detector
	PRO/GRO	Petrol range organics/gasoline range organics
	SVOC	Semi-volatile organic compounds
	TCE	Trichloroethylene
	TPH	Total petroleum hydrocarbons
	VOC	Volatile organic compounds
<u>Other</u>	AGS	Association of Geotechnical Specialists
	BGS	British Geological Survey
	BRE	Building Research Establishment
	CBR	California Bearing Ratio
	CIEH	Chartered Institute of Environmental Health
	CIRIA	Construction Industry Research and Information Association
	CLEA	Contaminated Land Exposure Assessment (Environment Agency)
	CLR 8	Contaminated Land Research Report 8 (Environment Agency)
	DWQ	Drinking water quality
	EA	Environment Agency
	EQS	Environmental quality standards
	ICRCL	Inter-departmental Commission for the Reclamation of Contaminated Land
	LQM	Land Quality Management Ltd (Land and Environmental Consultancy)
	NHBC	National House Builders Council
	SGV	Soil Guideline Values
	SPT	Standard penetration test
	TPHWG	TPH Working Group

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2. For the work, reliance has been placed on publicly available data, obtained from the sources identified in the report. The information is not exhaustive and further information may be available from other sources. When using the information it has been assumed it is correct, and no attempt has been made to verify the information.
3. This report has been produced in accordance with current UK policy and guidelines, for land and groundwater contamination, enforced by the Local Authority and the Environment Agency.
4. During the site walkover, reasonable effort was made to obtain an overview of the site. However, no attempt was made to enter areas that are unsafe, a risk to health and safety, locked, barricaded, overgrown, or areas not made accessible.
5. Access, the presence of services and activities on the site, limited locations where sampling could be carried out and the techniques that could be used.
6. Assessments are based on available information at the time of writing and are ultimately for the decision of the regulatory authorities.
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Location Plan: Higher House Farm, Hawkshaw, Bury BL8 4LB



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Revision:

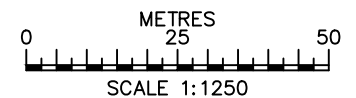
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Project: Barn Conversion

Title: Location Plan

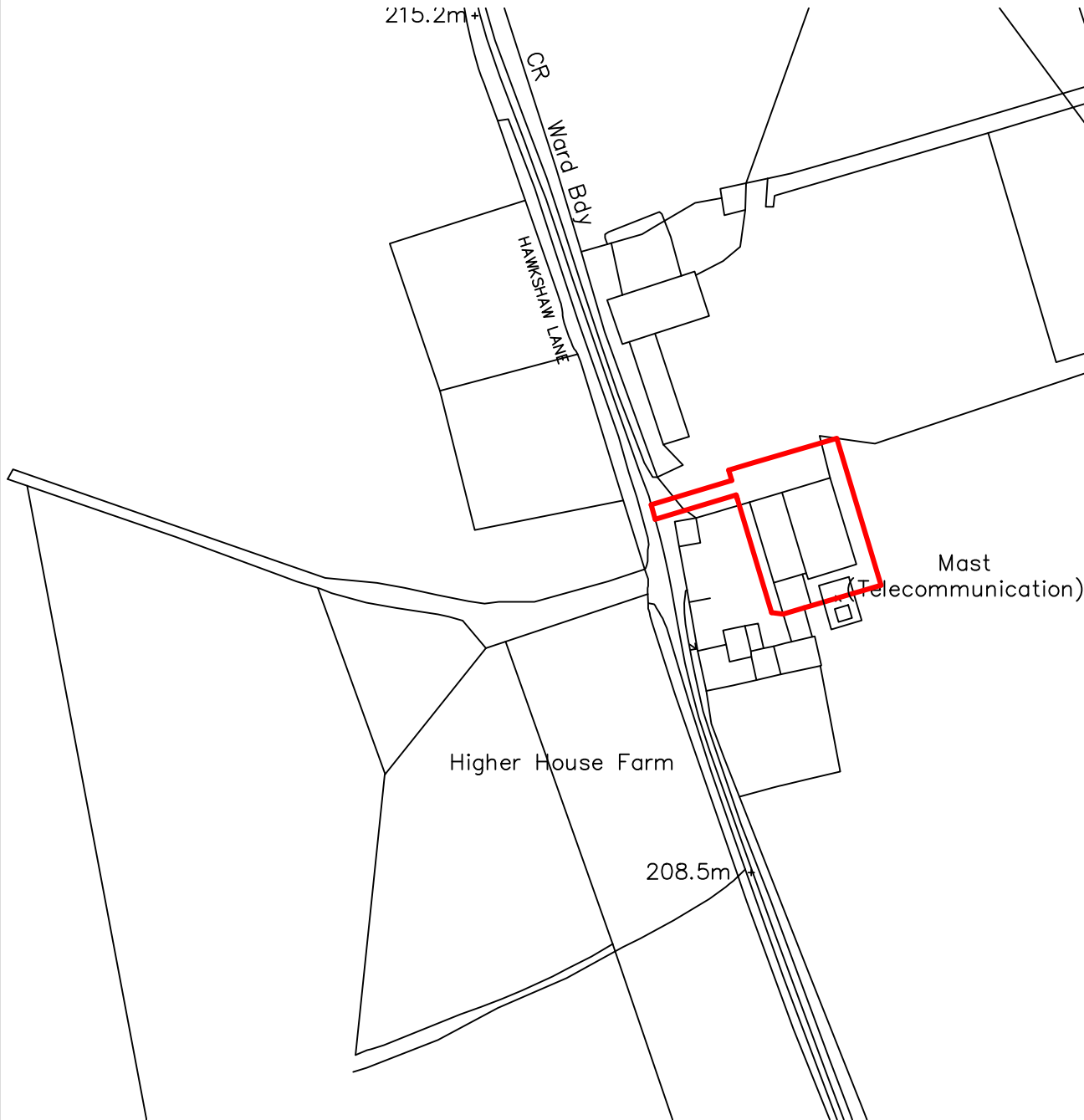
Date: 11 February 2020

Drawn by: C.Dolphin

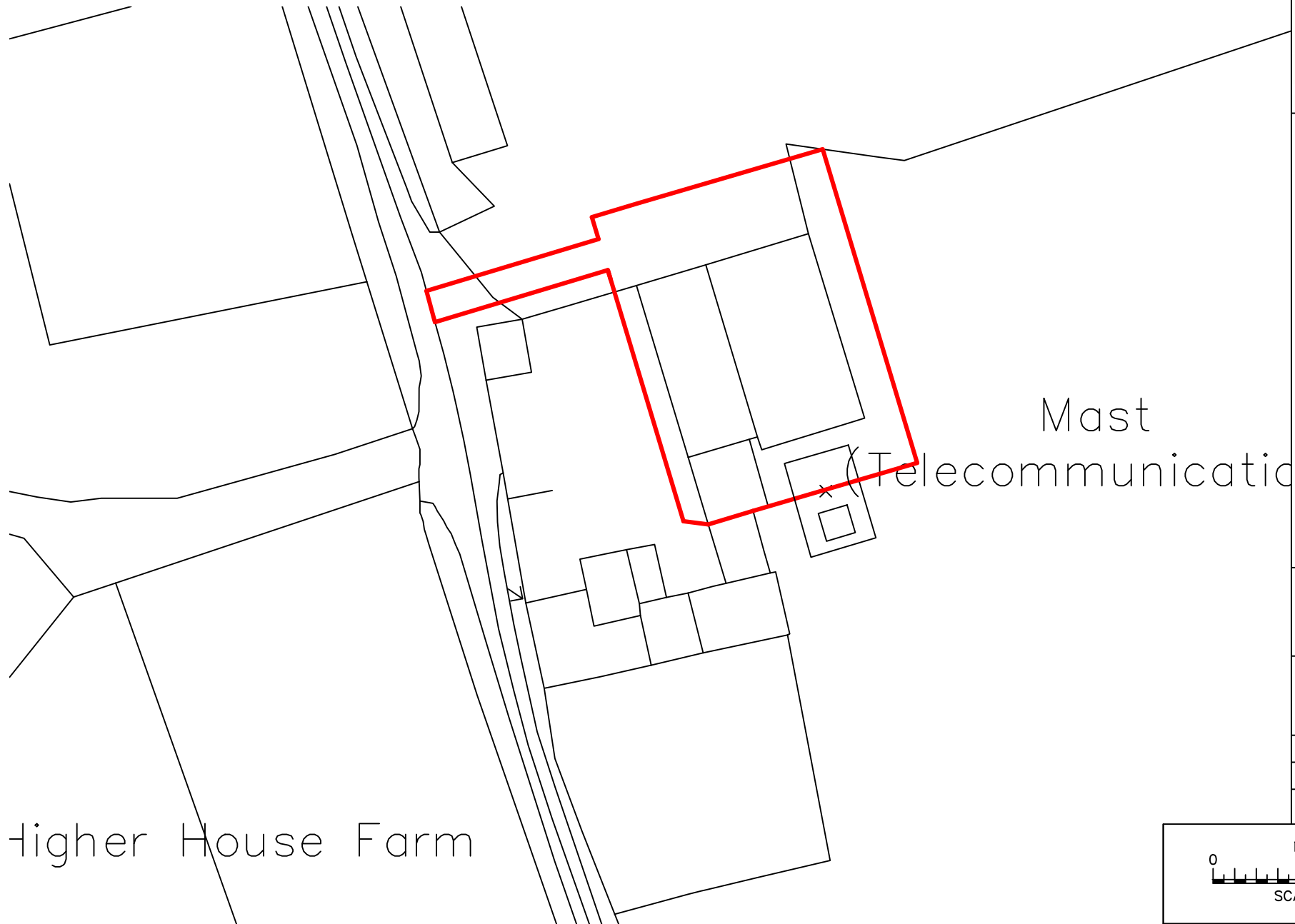
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Site Plan: Higher House Farm, Hawkshaw, Bury BL8 4LB



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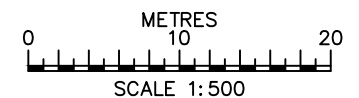
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Project: Barn Conversion

Title: Site Plan

Date: 11 February 2020

Drawn by: C.Dolphin

Page Number: 1 of 2



HIGHER HOUSE FARM, 14 HAWKSHAW LANE, TOTTINGTON, BURY, BL8 4LB



Looking Northeast



Looking Southwest

HIGHER HOUSE FARM, 14 HAWKSHAW LANE, TOTTINGTON, BURY, BL8 4LB



Looking Southwest



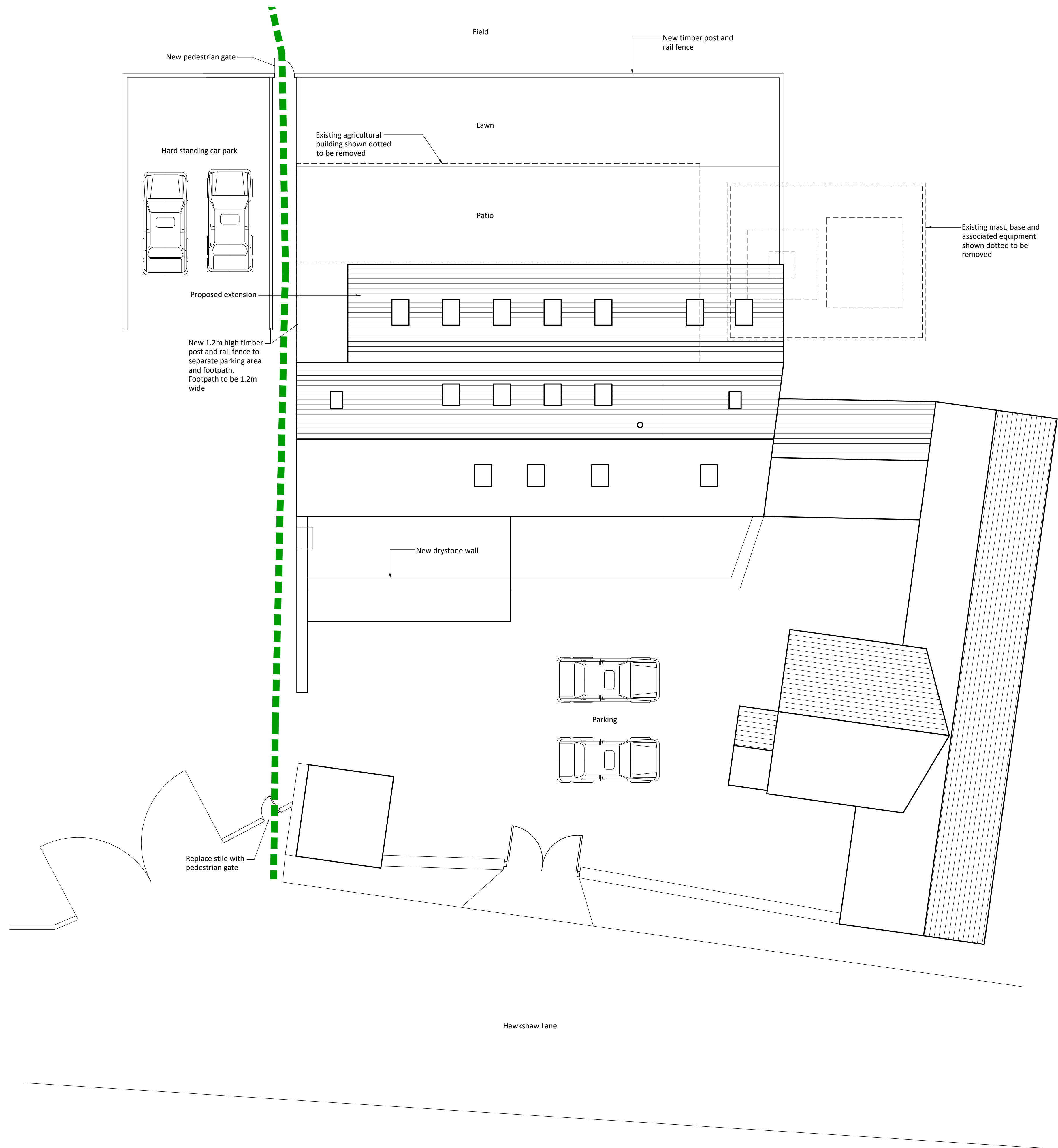
Looking Southwest



Looking Northwest



Looking Southeast



Site Layout - 1:100

NOTES

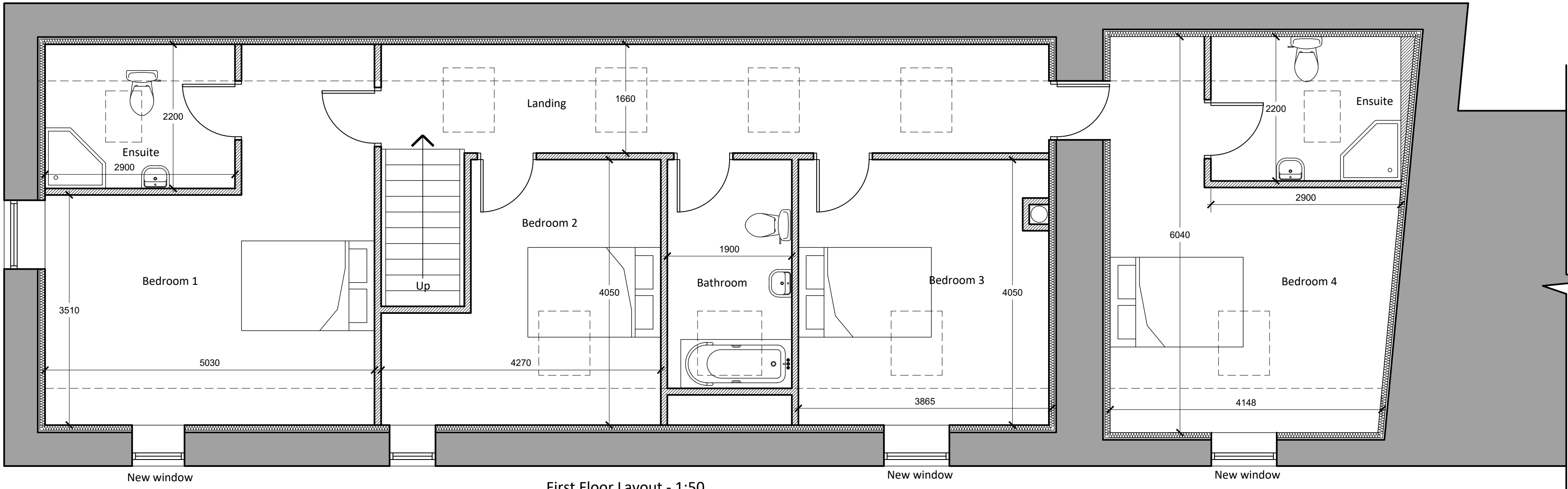
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16.01.2020	First Issue		ob
Revisions			
Proposed Site Layout			
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As indicated @ A1	Jan 2020	OB681	201C
Higher House Farm Hawkshaw Lane Hawkshaw BL8 4LB			

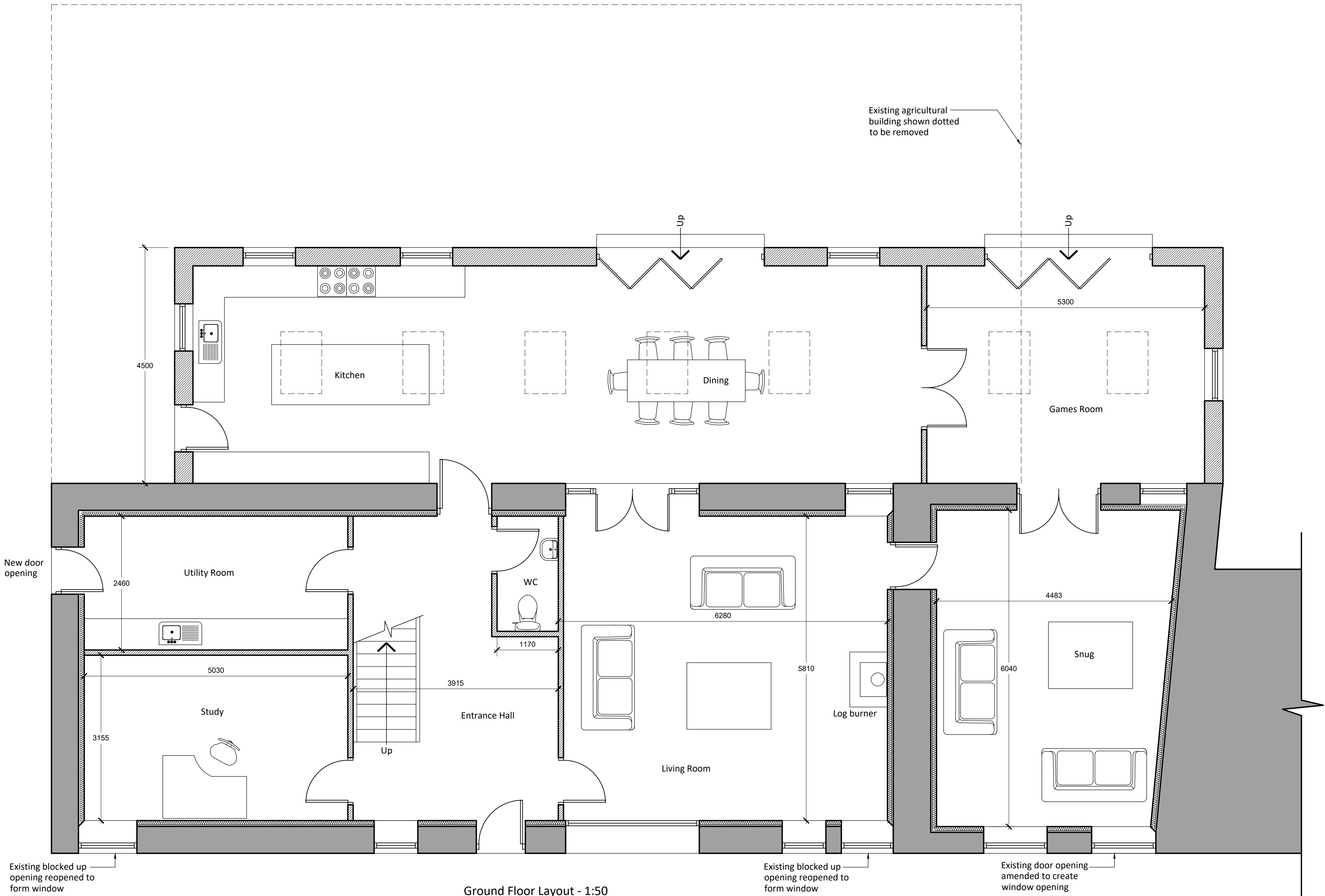


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First Floor Layout - 1:50



Ground Floor Layout - 1:50

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Proposed Ground and First Floor Layout

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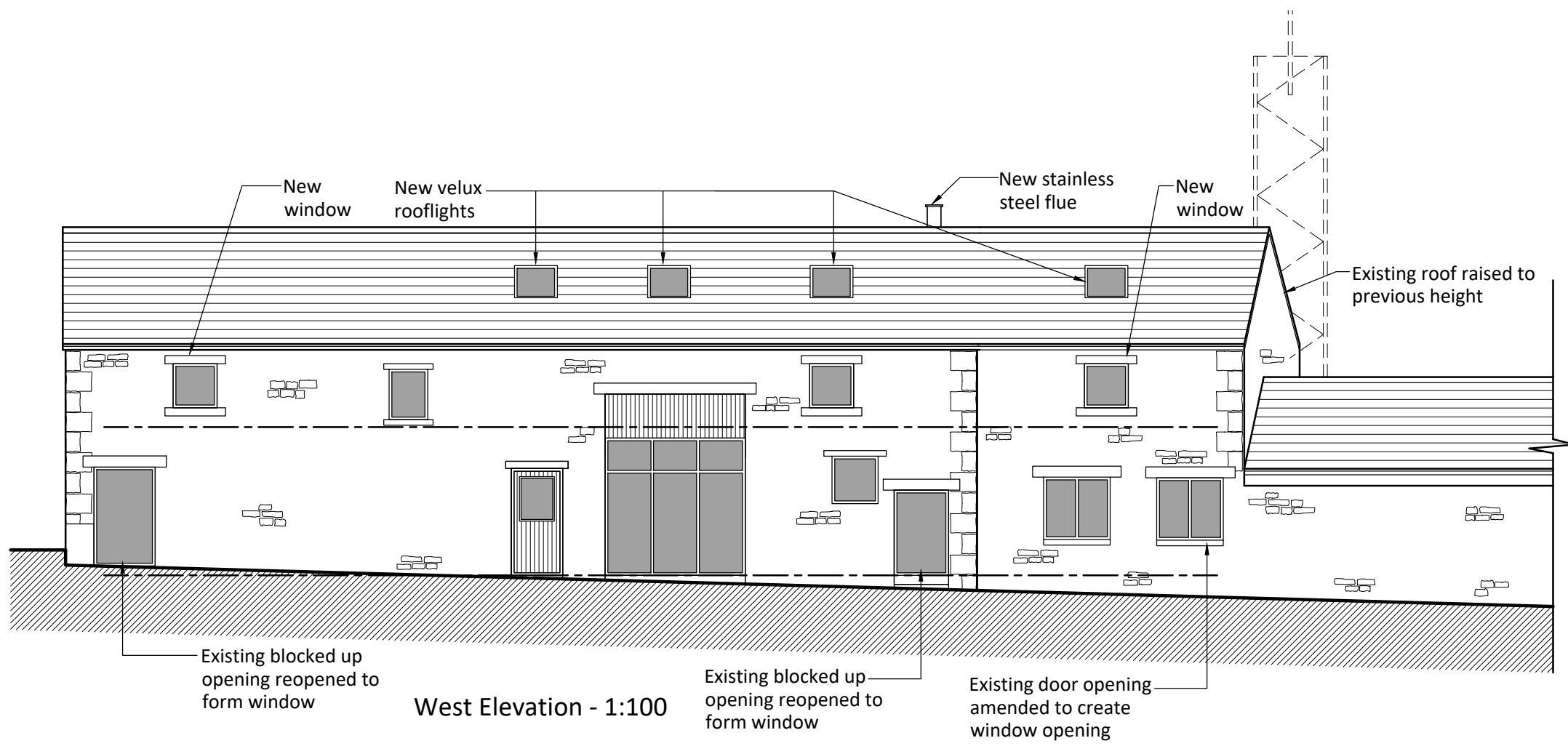
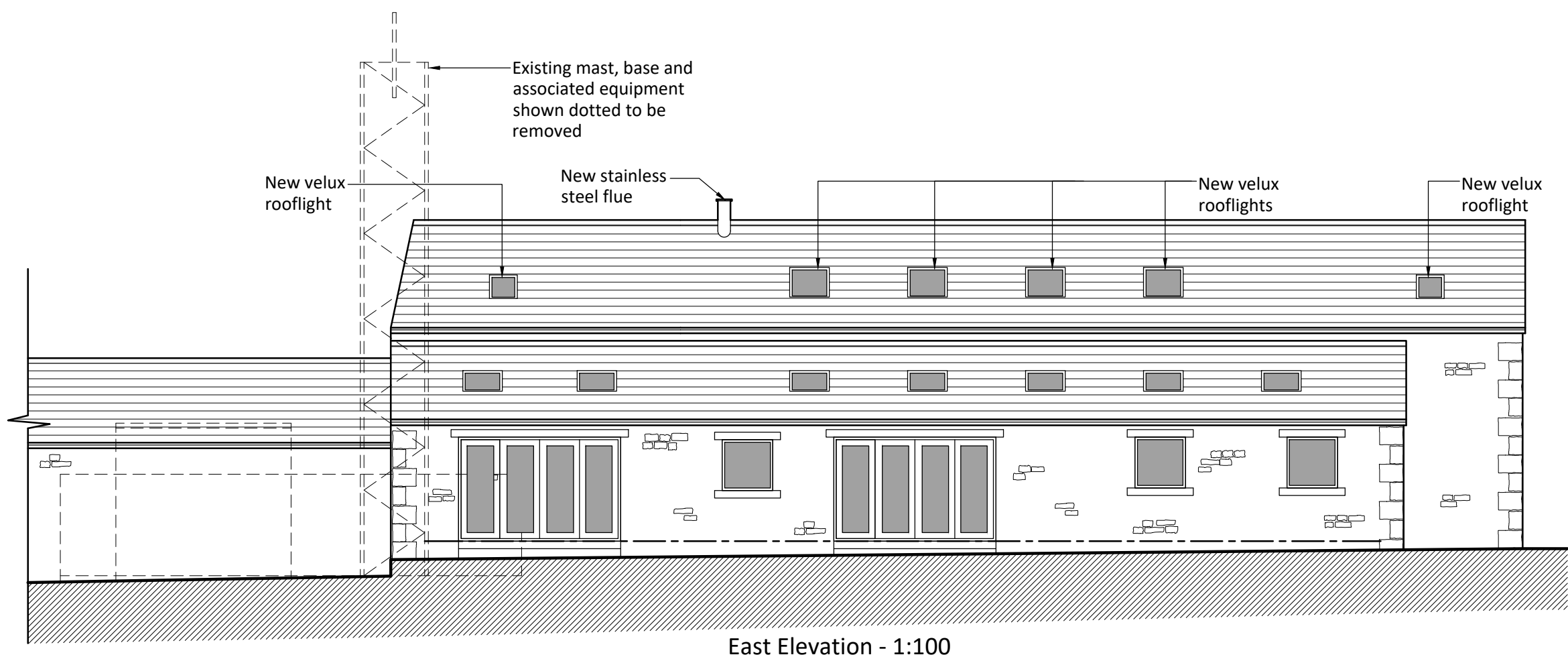
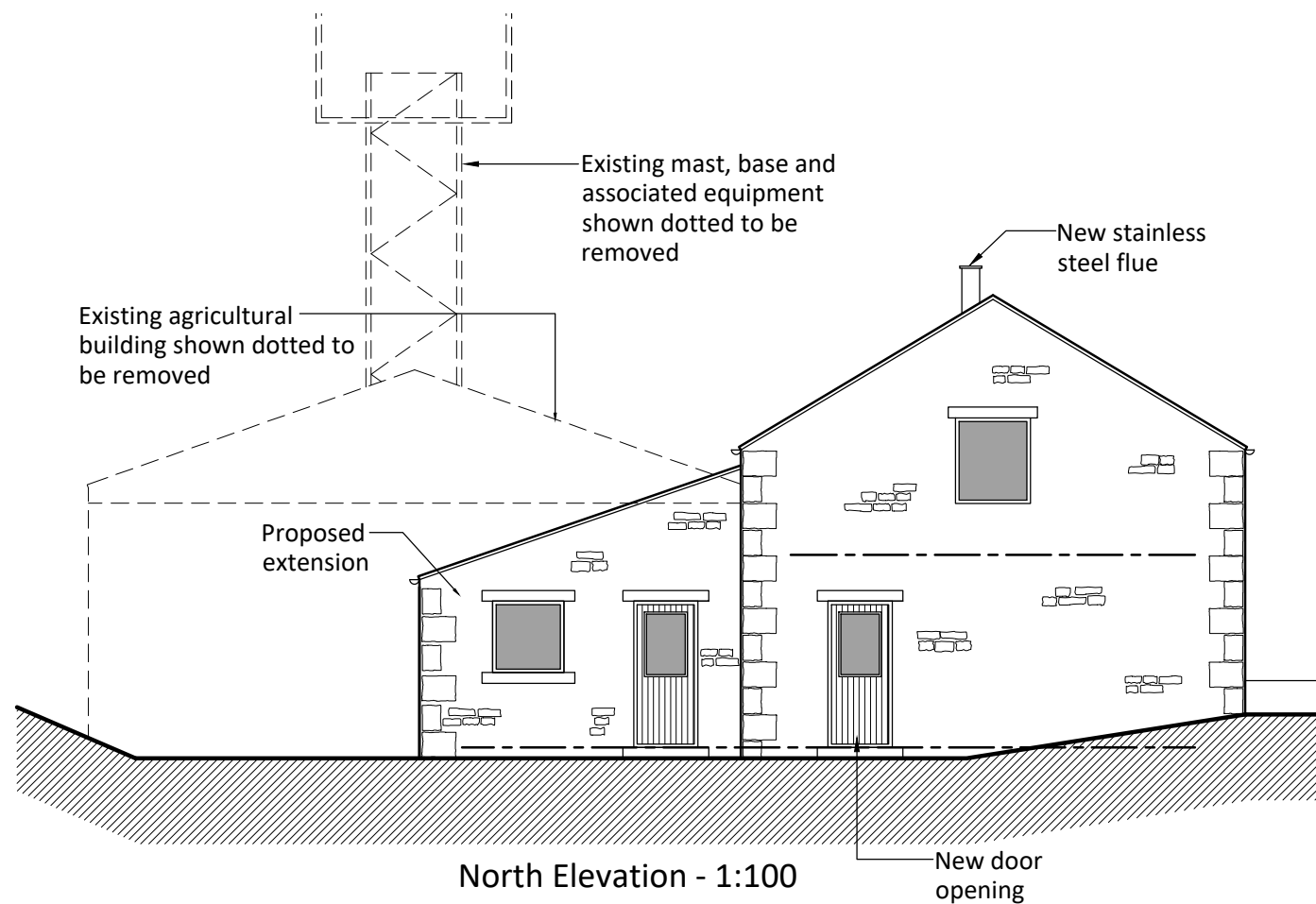
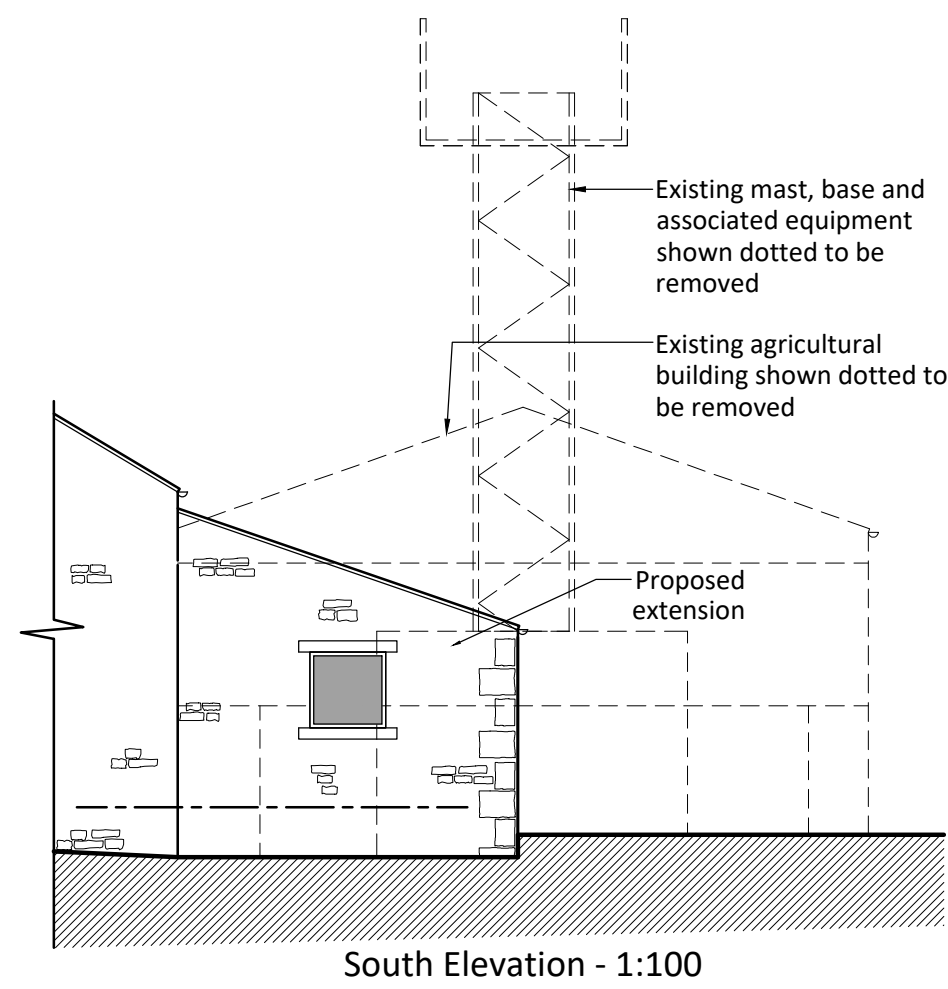
Higher House Farm
Hawkshaw Lane
Hawkshaw
BL8 4LB



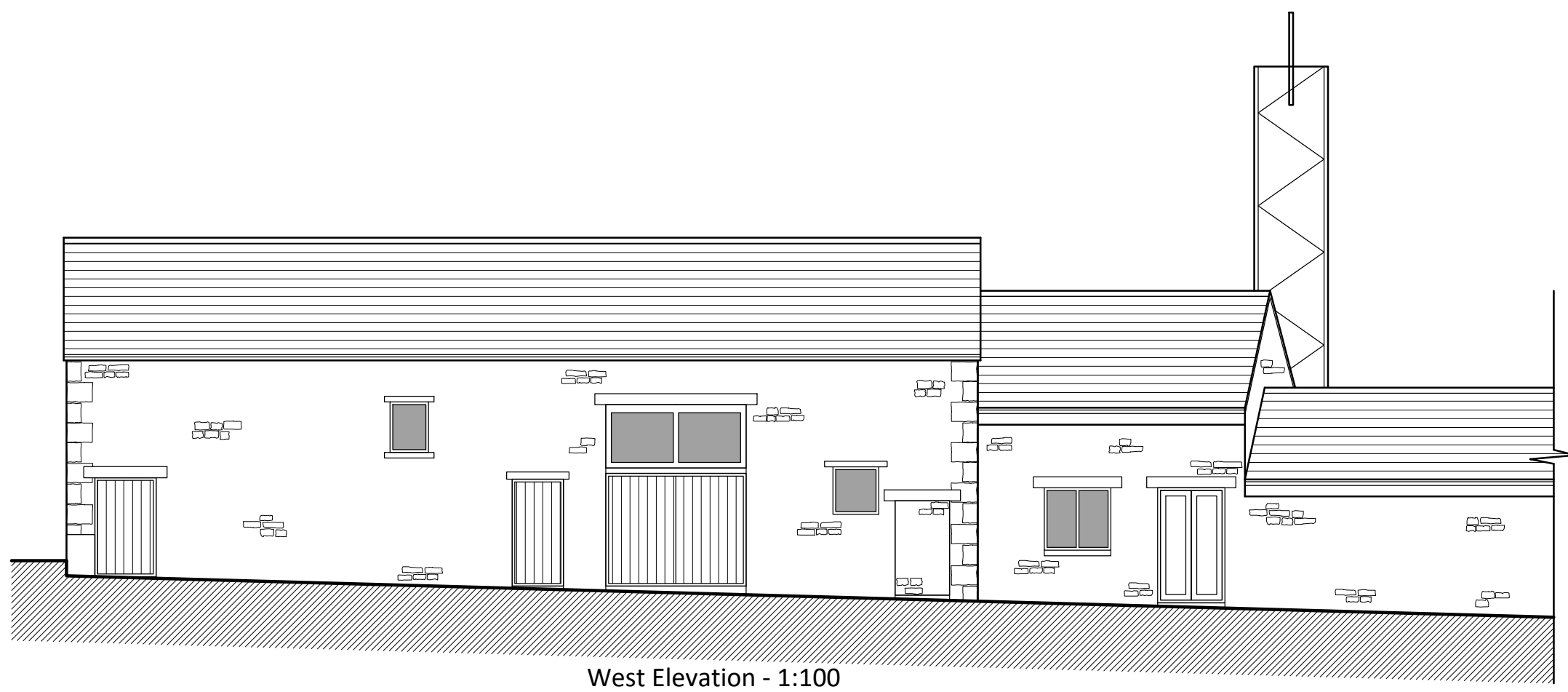
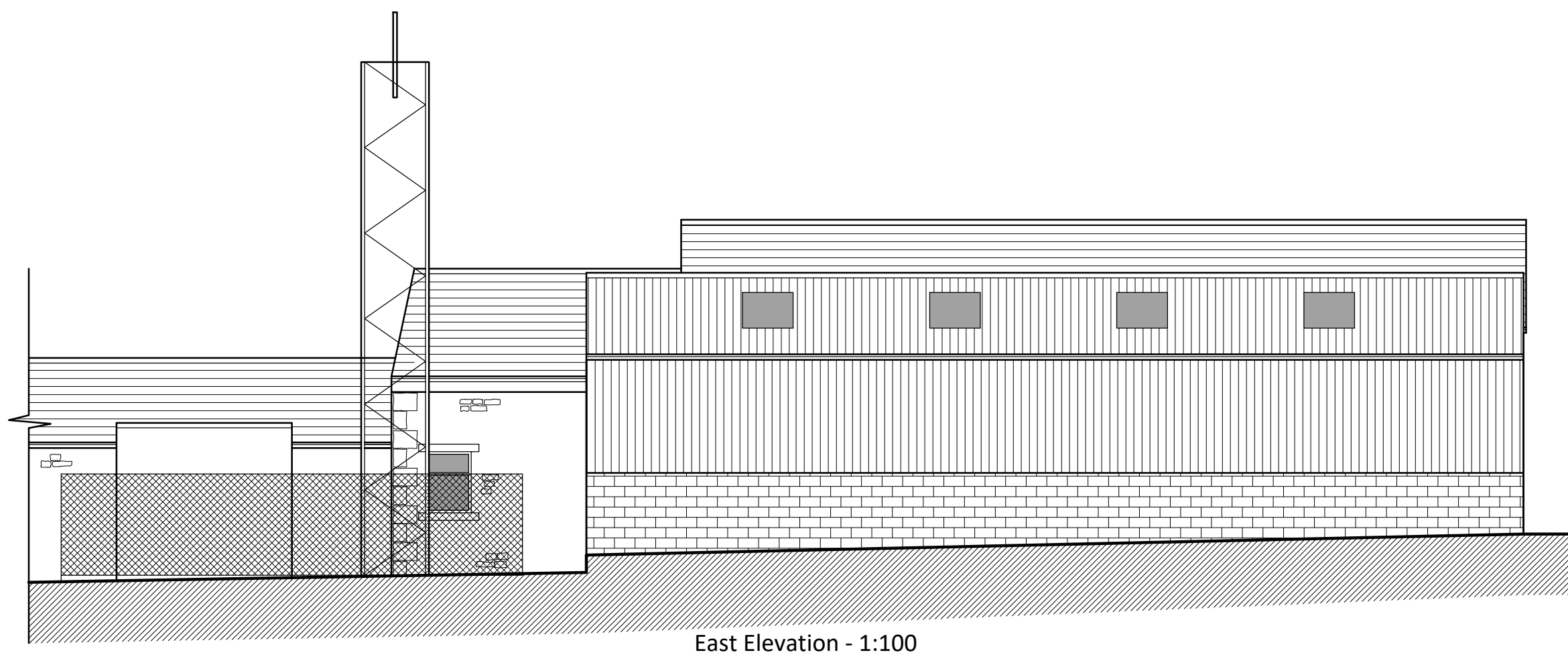
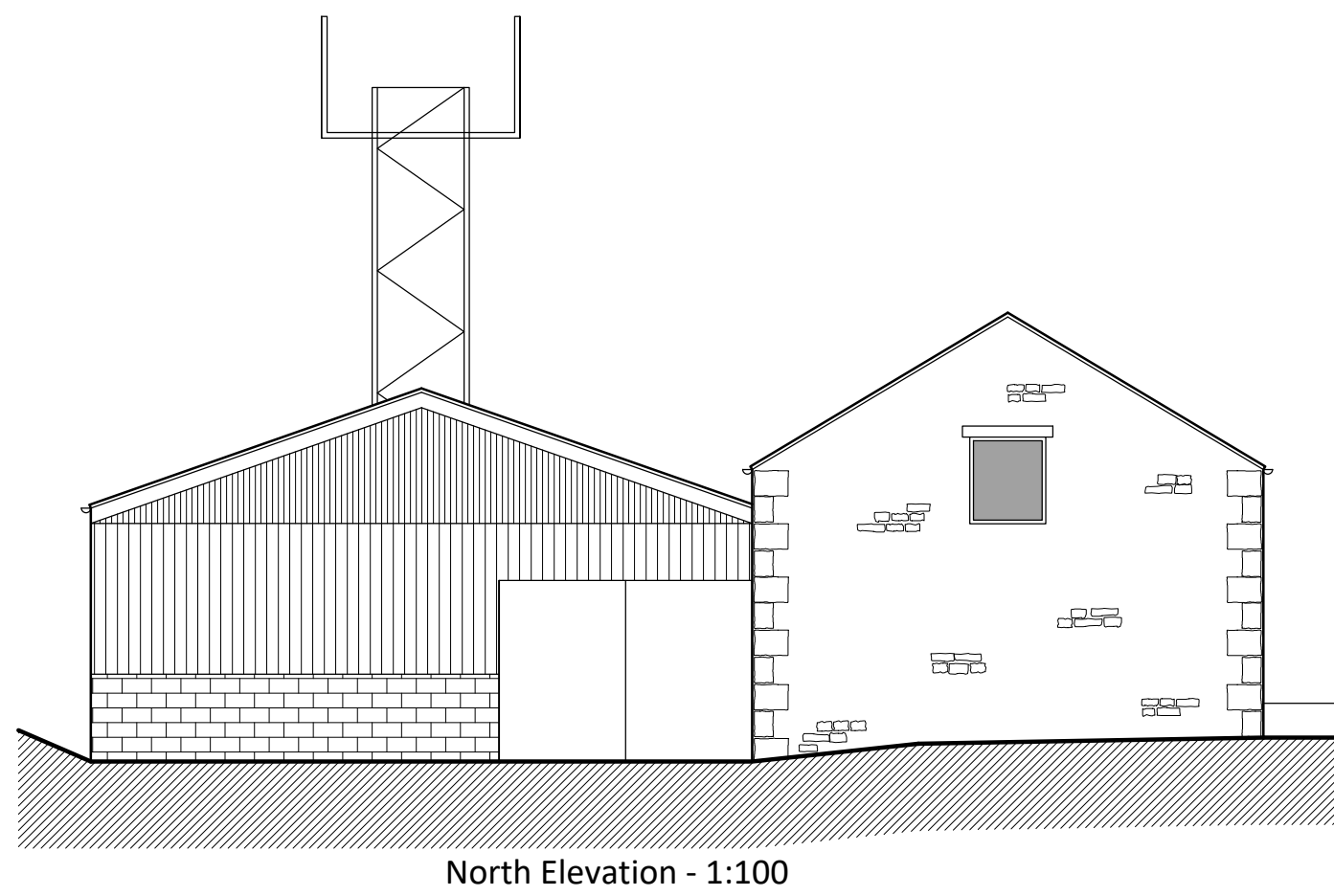
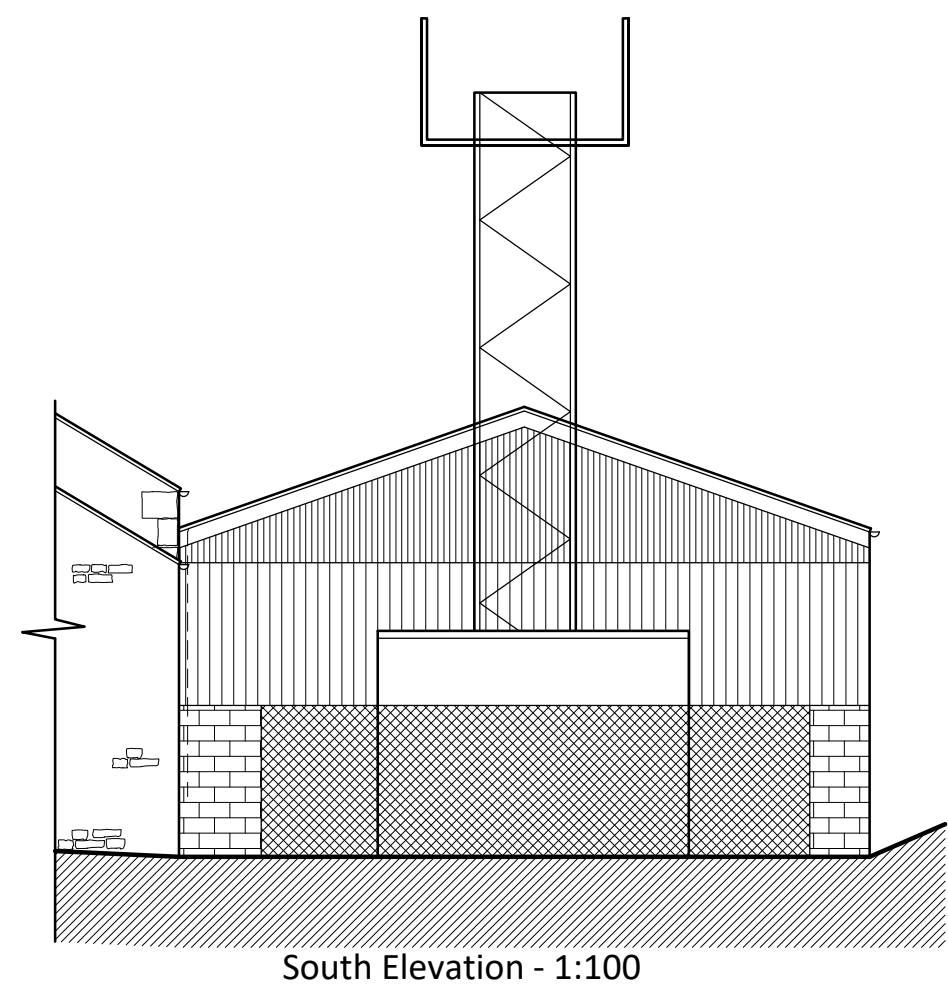
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PROPOSED



EXISTING



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Proposed Materials

Walls - Coursed natural stone to match existing

Roof - Natural stone roof slates to match existing

RWG - Black plastic to match existing

Windows - Timber to match existing

Doors - Timber to match existing

Roof Lantern - Aluminium

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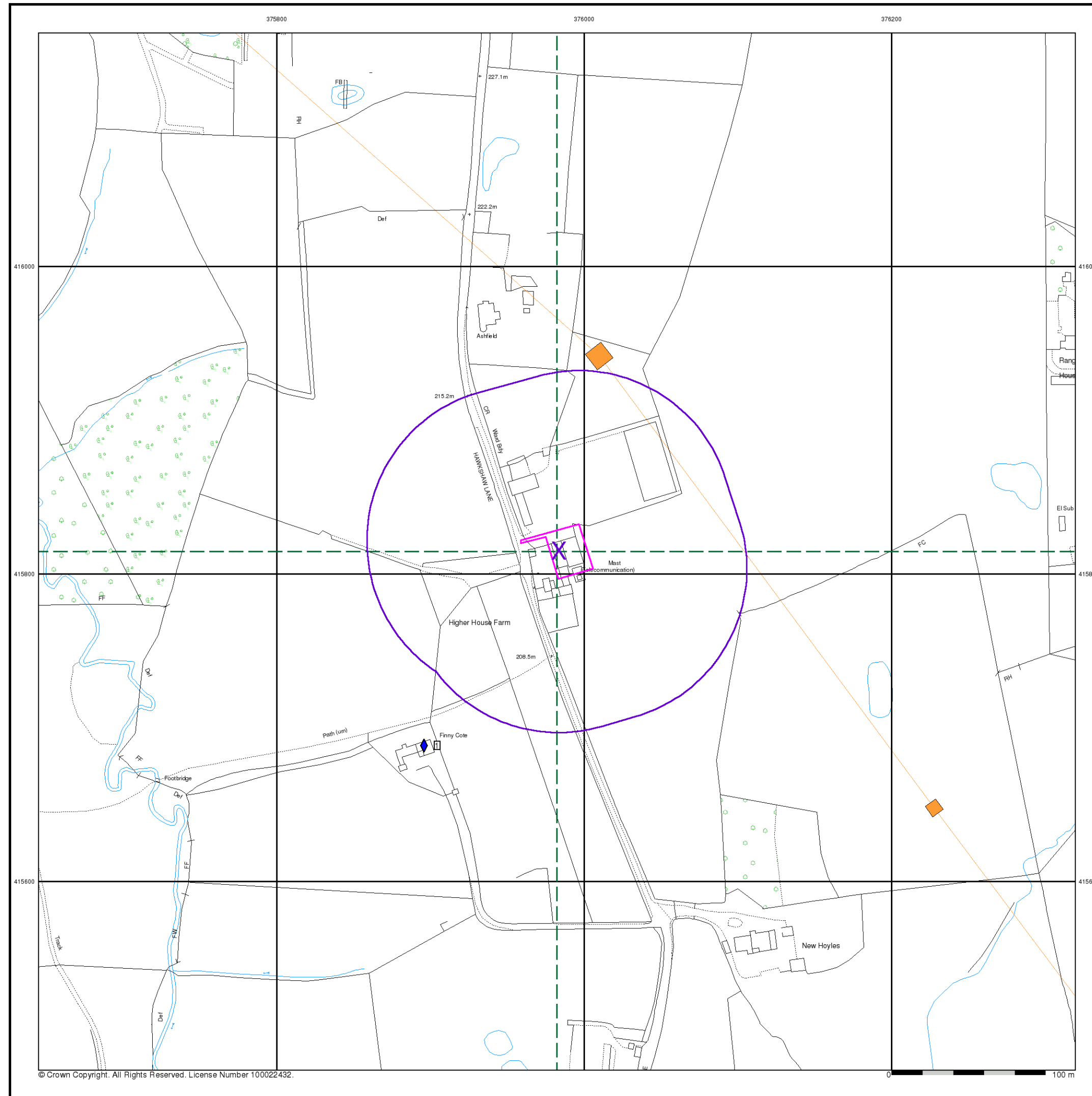
Existing and Proposed Elevations			
SCALE	DATE	JOB NO	DRG NO
As indicated @ A1	Jan 2020	OB681	102A

Higher House Farm
Hawkshaw Lane
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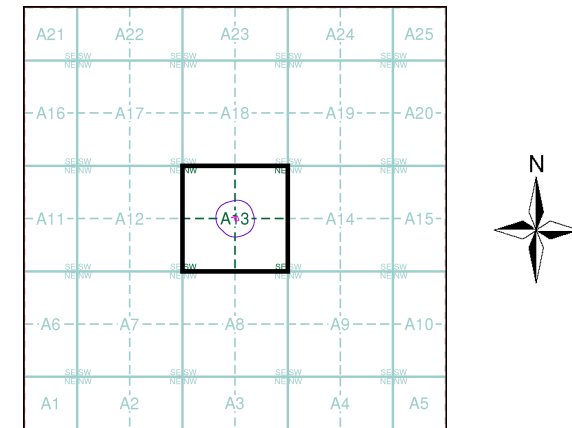
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General		
Specified Site	Specified Buffer(s)	Bearing Reference Point
Several of Type at Location	Pylon	Overhead Transmission Line
Map ID		
Agency and Hydrological		
Contaminated Land Register Entry or Notice (Location)	BGS Recorded Landfill Site (Location)	
Contaminated Land Register Entry or Notice	BGS Recorded Landfill Site	
Discharge Consent	EA Historic Landfill (Buffered Point)	
Enforcement or Prohibition Notice	EA Historic Landfill (Polygon)	
Integrated Pollution Control	Integrated Pollution Control Registered Waste Site	
Integrated Pollution Prevention Control	Licensed Waste Management Facility (Landfill Boundary)	
Local Authority Integrated Pollution Prevention and Control	Licensed Waste Management Facility (Location)	
Local Authority Pollution Prevention and Control	Local Authority Recorded Landfill Site (Location)	
Local Authority Pollution Prevention and Control Enforcement	Local Authority Recorded Landfill Site	
Pollution Incident to Controlled Waters	Potentially Infilled Land (Non-water)	
Prosecution Relating to Authorised Processes	Potentially Infilled Land (Non-water)	
Prosecution Relating to Controlled Waters	Potentially Infilled Land (Water)	
Registered Radioactive Substance	Potentially Infilled Land (Water)	
River Network or Water Feature	Potentially Infilled Land (Water)	
River Quality Sampling Point	Potentially Infilled Land (Water)	
Substantiated Pollution Incident Register	Registered Landfill Site	
Water Abstraction	Registered Landfill Site (Location)	
Water Industry Act Referral	Registered Landfill Site (Point Buffered to 100m)	
	Registered Landfill Site (Point Buffered to 250m)	
Hazardous Substances		
COMAH Site	Explosive Site	Registered Waste Transfer Site (Location)
NIHS Site		Registered Waste Transfer Site
Planning Hazardous Substance Consent		Registered Waste Treatment or Disposal Site (Location)
Planning Hazardous Substance Enforcement		Registered Waste Treatment or Disposal Site
Geological		
BGS Recorded Mineral Site		

Site Sensitivity Map - Segment A13



Order Details

Order Number:

277083172_1_1

Customer Ref:

BL8 4LB

National Grid Reference:

375980, 415820

Slice:

A

Site Area (Ha):

0.08

Plot Buffer (m):

100

Site Details

Higher House Farm, Hawkshaw Lane, Hawkshaw, BURY, BL8 4LB

Envirocheck[®] Report:

Datasheet

Order Details:

Order Number:

277083172_1_1

Customer Reference:

BL8 4LB

National Grid Reference:

375980, 415820

Slice:

A

Site Area (Ha):

0.08

Search Buffer (m):

1000

Site Details:

Higher House Farm, Hawkshaw Lane

Hawkshaw

BURY

BL8 4LB

Client Details:

Mr D Lord

Worms Eye Ltd

52 Bank Parade

Burnley

Lancashire

BB11 1TS

Report Section	Page Number
Summary	-
Agency & Hydrological	1
Waste	20
Hazardous Substances	-
Geological	21
Industrial Land Use	27
Sensitive Land Use	29
Data Currency	30
Data Suppliers	36
Useful Contacts	37

Introduction

The Environment Act 1995 has made site sensitivity a key issue, as the legislation pays as much attention to the pathways by which contamination could spread, and to the vulnerable targets of contamination, as it does the potential sources of contamination. For this reason, Landmark's Site Sensitivity maps and Datasheet(s) place great emphasis on statutory data provided by the Environment Agency/Natural Resources Wales and the Scottish Environment Protection Agency; it also incorporates data from Natural England (and the Scottish and Welsh equivalents) and Local Authorities; and highlights hydrogeological features required by environmental and geotechnical consultants. It does not include any information concerning past uses of land. The datasheet is produced by querying the Landmark database to a distance defined by the client from a site boundary provided by the client. In this datasheet the National Grid References (NGRs) are rounded to the nearest 10m in accordance with Landmark's agreements with a number of Data Suppliers.

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Report Version v53.0

Data Type	Page Number	On Site	0 to 250m	251 to 500m	501 to 1000m (*up to 2000m)
Agency & Hydrological					
BGS Groundwater Flooding Susceptibility	pg 1	Yes	Yes	Yes	n/a
Contaminated Land Register Entries and Notices					
Discharge Consents	pg 2		1		4
Prosecutions Relating to Controlled Waters			n/a	n/a	n/a
Enforcement and Prohibition Notices					
Integrated Pollution Controls					
Integrated Pollution Prevention And Control					
Local Authority Integrated Pollution Prevention And Control					
Local Authority Pollution Prevention and Controls	pg 3				1
Local Authority Pollution Prevention and Control Enforcements					
Nearest Surface Water Feature	pg 3		Yes		
Pollution Incidents to Controlled Waters					
Prosecutions Relating to Authorised Processes					
Registered Radioactive Substances					
River Quality					
River Quality Biology Sampling Points					
River Quality Chemistry Sampling Points					
Substantiated Pollution Incident Register					
Water Abstractions	pg 3				8 (*8)
Water Industry Act Referrals					
Groundwater Vulnerability Map	pg 7	Yes	n/a	n/a	n/a
Groundwater Vulnerability - Soluble Rock Risk			n/a	n/a	n/a
Groundwater Vulnerability - Local Information			n/a	n/a	n/a
Bedrock Aquifer Designations	pg 7	Yes	n/a	n/a	n/a
Superficial Aquifer Designations	pg 7	Yes	n/a	n/a	n/a
Source Protection Zones					
Extreme Flooding from Rivers or Sea without Defences				n/a	n/a
Flooding from Rivers or Sea without Defences				n/a	n/a
Areas Benefiting from Flood Defences				n/a	n/a
Flood Water Storage Areas				n/a	n/a
Flood Defences				n/a	n/a
OS Water Network Lines	pg 8		1	26	75

Data Type	Page Number	On Site	0 to 250m	251 to 500m	501 to 1000m (*up to 2000m)
Waste					
BGS Recorded Landfill Sites					
Historical Landfill Sites					
Integrated Pollution Control Registered Waste Sites					
Licensed Waste Management Facilities (Landfill Boundaries)					
Licensed Waste Management Facilities (Locations)					
Local Authority Landfill Coverage		1	n/a	n/a	n/a
Local Authority Recorded Landfill Sites					
Potentially Infilled Land (Non-Water)	pg 20			2	5
Potentially Infilled Land (Water)	pg 20			2	5
Registered Landfill Sites					
Registered Waste Transfer Sites					
Registered Waste Treatment or Disposal Sites					
Hazardous Substances					
Control of Major Accident Hazards Sites (COMAH)					
Explosive Sites					
Notification of Installations Handling Hazardous Substances (NIHHS)					
Planning Hazardous Substance Consents					
Planning Hazardous Substance Enforcements					

Data Type	Page Number	On Site	0 to 250m	251 to 500m	501 to 1000m (*up to 2000m)
Geological					
BGS 1:625,000 Solid Geology	pg 21	Yes	n/a	n/a	n/a
BGS Estimated Soil Chemistry	pg 21	Yes	Yes	Yes	Yes
BGS Recorded Mineral Sites	pg 24			2	2
BGS Urban Soil Chemistry					
BGS Urban Soil Chemistry Averages					
CBSCB Compensation District			n/a	n/a	n/a
Coal Mining Affected Areas	pg 25	Yes	n/a	n/a	n/a
Mining Instability	pg 25	Yes	n/a	n/a	n/a
Man-Made Mining Cavities					
Natural Cavities					
Non Coal Mining Areas of Great Britain	pg 25	Yes		n/a	n/a
Potential for Collapsible Ground Stability Hazards	pg 25	Yes		n/a	n/a
Potential for Compressible Ground Stability Hazards				n/a	n/a
Potential for Ground Dissolution Stability Hazards				n/a	n/a
Potential for Landslide Ground Stability Hazards	pg 25	Yes	Yes	n/a	n/a
Potential for Running Sand Ground Stability Hazards	pg 26	Yes		n/a	n/a
Potential for Shrinking or Swelling Clay Ground Stability Hazards	pg 26	Yes	Yes	n/a	n/a
Radon Potential - Radon Affected Areas			n/a	n/a	n/a
Radon Potential - Radon Protection Measures			n/a	n/a	n/a
Industrial Land Use					
Contemporary Trade Directory Entries	pg 27		2		5
Fuel Station Entries					
Points of Interest - Commercial Services					
Points of Interest - Education and Health					
Points of Interest - Manufacturing and Production	pg 27		1		2
Points of Interest - Public Infrastructure	pg 27				2
Points of Interest - Recreational and Environmental	pg 28				1
Gas Pipelines					
Underground Electrical Cables					

Data Type	Page Number	On Site	0 to 250m	251 to 500m	501 to 1000m (*up to 2000m)
Sensitive Land Use					
Ancient Woodland					
Areas of Adopted Green Belt	pg 29	1	1		
Areas of Unadopted Green Belt					
Areas of Outstanding Natural Beauty					
Environmentally Sensitive Areas					
Forest Parks					
Local Nature Reserves					
Marine Nature Reserves					
National Nature Reserves					
National Parks					
Nitrate Sensitive Areas					
Nitrate Vulnerable Zones					
Ramsar Sites					
Sites of Special Scientific Interest					
Special Areas of Conservation					
Special Protection Areas					
World Heritage Sites					

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	A13NE (NW)	0	1	375984 415815
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	A13SW (SW)	199	1	375800 415700
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A13NE (E)	263	1	376250 415900
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	A13SE (SE)	266	1	376250 415700
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding to Occur at Surface	A13NE (NE)	280	1	376250 415950
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	A13SW (SW)	310	1	375700 415650
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A13NE (NE)	369	1	376250 416100
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	A12NE (W)	409	1	375550 415815
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	A12NE (W)	410	1	375550 415850
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A12NE (W)	417	1	375550 415900
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A18SE (NE)	421	1	376200 416200
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A12NE (NW)	426	1	375600 416050
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding to Occur at Surface	A12NE (W)	429	1	375550 415950
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	A18SE (N)	446	1	376150 416250
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	A12NE (W)	466	1	375500 415900
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	A18SE (N)	480	1	376100 416300
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	A12SE (SW)	481	1	375600 415500
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	A8NW (SW)	488	1	375700 415400
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A12NE (NW)	495	1	375550 416100

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
1	Discharge Consents Operator: Mr & Mrs Furnival Property Type: DOMESTIC PROPERTY (SINGLE) (INCL FARM HOUSE) Location: Finny Cote Hawkshaw La, Hawkshaw, Bury, Lancashire, B18 4lb Authority: Environment Agency, North West Region Catchment Area: Not Supplied Reference: 0167/595 Permit Version: 1 Effective Date: 21st July 1967 Issued Date: 21st July 1967 Revocation Date: Not Supplied Discharge Type: Sewage Discharges - Final/Treated Effluent - Not Water Company Discharge: Freshwater Stream/River Environment: Receiving Water: Kirklees Brook Status: Pre National Rivers Authority Legislation where issue date < 01/09/1989 Positional Accuracy: Located by supplier to within 10m	A13SW (SW)	140	2	375896 415688
2	Discharge Consents Operator: David Albert Stott Property Type: DOMESTIC PROPERTY (MULTIPLE) (INCL FARM HOUSES) Location: 1, 3 And 5, Lower Fold, Hawkshaw, Bury, Lancashire, B18 4jt Authority: Environment Agency, North West Region Catchment Area: Kirklees Brook Reference: 016993445 Permit Version: 1 Effective Date: 28th June 2002 Issued Date: 28th June 2002 Revocation Date: Not Supplied Discharge Type: Sewage Discharges - Final/Treated Effluent - Not Water Company Discharge: Freshwater Stream/River Environment: Receiving Water: Unnamed Trib. Kirklees Brook Status: New Consent (Water Resources Act 1991, Section 88 & Schedule 10 as amended by Environment Act 1995) Positional Accuracy: Located by supplier to within 10m	A7NE (SW)	602	2	375470 415470
2	Discharge Consents Operator: Harry Gibson Property Type: DOMESTIC PROPERTY (MULTIPLE) (INCL FARM HOUSES) Location: 1, 3 And 5, Lower Fold, Hawkshaw, Bury, Lancashire, B18 4jt Authority: Environment Agency, North West Region Catchment Area: Kirklees Brook Reference: 016993445 Permit Version: 1 Effective Date: 28th June 2002 Issued Date: 28th June 2002 Revocation Date: Not Supplied Discharge Type: Sewage Discharges - Final/Treated Effluent - Not Water Company Discharge: Freshwater Stream/River Environment: Receiving Water: Unnamed Trib. Kirklees Brook Status: New Consent (Water Resources Act 1991, Section 88 & Schedule 10 as amended by Environment Act 1995) Positional Accuracy: Located by supplier to within 10m	A7NE (SW)	602	2	375470 415470
2	Discharge Consents Operator: Harry Ironfield Property Type: DOMESTIC PROPERTY (MULTIPLE) (INCL FARM HOUSES) Location: 1, 3 And 5, Lower Fold, Hawkshaw, Bury, Lancashire, B18 4jt Authority: Environment Agency, North West Region Catchment Area: Kirklees Brook Reference: 016993445 Permit Version: 1 Effective Date: 28th June 2002 Issued Date: 28th June 2002 Revocation Date: Not Supplied Discharge Type: Sewage Discharges - Final/Treated Effluent - Not Water Company Discharge: Freshwater Stream/River Environment: Receiving Water: Unnamed Trib. Kirklees Brook Status: New Consent (Water Resources Act 1991, Section 88 & Schedule 10 as amended by Environment Act 1995) Positional Accuracy: Located by supplier to within 10m	A7NE (SW)	602	2	375470 415470

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
3	Discharge Consents Operator: Draper Property Developments Limited Property Type: DOMESTIC PROPERTY (SINGLE) (INCL FARM HOUSE) Location: Top'Oth Quarlton Barn Off Ramsbottom Road, Hawkshaw, Nr Bury, ..., BL8 4jx Authority: Environment Agency, North West Region Catchment Area: Kirklees Brook Reference: Npswqd008458 Permit Version: 1 Effective Date: 28th July 2009 Issued Date: 28th July 2009 Revocation Date: Not Supplied Discharge Type: Sewage Discharges - Final/Treated Effluent - Not Water Company Discharge: Freshwater Stream/River Environment: Receiving Water: Trib Of Kirklees Brook Status: New Consent (Water Resources Act 1991, Section 88 & Schedule 10 as amended by Environment Act 1995) Positional Accuracy: Located by supplier to within 10m	A12SE (SW)	611	2	375411 415550
4	Local Authority Pollution Prevention and Controls Name: Black Sheep Textiles (Ex-Woodhey Dyeing Co Ltd) Location: Bleaklow Mill, Bolton Road, Hawkshaw, BURY, Lancashire, BL8 4LL Authority: Bury Metropolitan Borough Council, Environmental Health Department Permit Reference: LAPPC04-08 Dated: 1st April 1993 Process Type: Local Authority Pollution Prevention and Control Description: PG6/8 Textile and fabric coating of finishing processes Status: Authorisation revoked Positional Accuracy: Automatically positioned to the address	A9SW (SE)	969	3	376485 414961
	Nearest Surface Water Feature	A13SE (E)	191	-	376185 415739
5	Water Abstractions Operator: C Coxen Licence Number: 2569001041 Permit Version: 100 Location: Well At Tonge Fold Cottage, Melrose Farm, Hawkshaw Lane, Tot Authority: Environment Agency, North West Region Abstraction: General Agriculture; General Use (Medium Loss) Abstraction Type: Water may be abstracted from a single point Source: Groundwater Daily Rate (m3): 1 Yearly Rate (m3): 500 Details: Melrose At Hawkshaw Lane, Tottington Authorised Start: 01 January Authorised End: 31 December Permit Start Date: 2nd February 1966 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 100m	A8NW (S)	603	2	375900 415200
6	Water Abstractions Operator: Mr P M Brennand Licence Number: 2569001227 Permit Version: Not Supplied Location: Hawkshaw, Tottington, BURY Authority: Environment Agency, North West Region Abstraction: Private Water Supplies (Domestic) Abstraction Type: Not Supplied Source: Spring Daily Rate (m3): 0 Yearly Rate (m3): 166 Details: Not Supplied Authorised Start: Not Supplied Authorised End: Not Supplied Permit Start Date: Not Supplied Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 100m	A18SE (N)	604	2	376200 416400

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
7	Water Abstractions Operator: Woodhey Dyeing Company Ltd Licence Number: 2569001149 Permit Version: 100 Location: Unnamed Tributary Of Kirklees Brook At Hawkshaw Authority: Environment Agency, North West Region Abstraction: Other Industrial/Commercial/Public Services: Process Water Abstraction Type: Water may be abstracted from a single point Source: Surface Daily Rate (m3): 136 Yearly Rate (m3): 0 Details: Bleaklow Mill, Hawkshaw, Bury Authorised Start: 01 January Authorised End: 31 December Permit Start Date: 11th December 1996 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 100m	A8NE (S)	609	2	376100 415200
8	Water Abstractions Operator: Woodhey Dyeing Company Limited Licence Number: 2569001193 Permit Version: Not Supplied Location: Fed By Holcombe Brook Authority: Environment Agency, North West Region Abstraction: Manufacturing Abstraction Type: Not Supplied Source: Groundwater Daily Rate (m3): 318 Yearly Rate (m3): 113650 Details: Not Supplied Authorised Start: Not Supplied Authorised End: Not Supplied Permit Start Date: Not Supplied Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 100m	A19SW (NE)	707	2	376600 416200
9	Water Abstractions Operator: Woodhey Dyeing Co Ltd Licence Number: 2569001149 Permit Version: Not Supplied Location: Tottington Authority: Environment Agency, North West Region Abstraction: Manufacturing Abstraction Type: Not Supplied Source: Surface Daily Rate (m3): 136 Yearly Rate (m3): Not Supplied Details: Reservoirs (2) Fed By Surface Drainage Authorised Start: Not Supplied Authorised End: Not Supplied Permit Start Date: Not Supplied Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 100m	A9NW (SE)	780	2	376500 415200
10	Water Abstractions Operator: Thornber Home & Leisure Limited Licence Number: 2569001193 Permit Version: 101 Location: Well Fed By Holcombe Brook Marked C On Plan Authority: Environment Agency, North West Region Abstraction: Textiles And Leather: Process Water Abstraction Type: Water may be abstracted from a single point Source: Surface Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Bleaklow Mill, Hawkshaw, Bury Authorised Start: 01 January Authorised End: 31 December Permit Start Date: 14th February 2012 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m	A19SE (NE)	818	2	376680 416280

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
10	Water Abstractions Operator: Blacksheep Textiles Ltd Licence Number: 2569001193 Permit Version: 100 Location: Well Fed By Holcombe Brook Marked C On Plan Authority: Environment Agency, North West Region Abstraction: Textiles And Leather: Process Water Abstraction Type: Water may be abstracted from a single point Source: Surface Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Bleaklow Mill, Hawkshaw, Bury Authorised Start: 01 January Authorised End: 31 December Permit Start Date: 2nd May 2003 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m	A19SE (NE)	818	2	376680 416280
11	Water Abstractions Operator: Woodhey Dyeing Co Ltd Licence Number: 309 Permit Version: Not Supplied Location: Tottington Authority: Environment Agency, North West Region Abstraction: Manufacturing Abstraction Type: Not Supplied Source: Reservoir/Pond Daily Rate (m3): 30000 Yearly Rate (m3): 7500000 Details: Reservoirs (2) Fed By Surface Drainage Authorised Start: Not Supplied Authorised End: Not Supplied Permit Start Date: Not Supplied Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 100m	A9SW (SE)	986	2	376400 414900
	Water Abstractions Operator: Mr C M Holker Licence Number: 2569001210 Permit Version: 100 Location: Borehole At Edgeworth, Bolton Authority: Environment Agency, North West Region Abstraction: General Agriculture; General Use (Medium Loss) Abstraction Type: Water may be abstracted from a single point Source: Groundwater Daily Rate (m3): 3 Yearly Rate (m3): 1136 Details: Red Earth Farm, Edgeworth, Bolton Authorised Start: 01 January Authorised End: 31 December Permit Start Date: 13th August 1991 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 100m	A17NE (N)	1042	2	375600 416800
	Water Abstractions Operator: Mr C M Holker Licence Number: 2569001242 Permit Version: 100 Location: Two Brooks Stream At Red Earth Farm, Turton Authority: Environment Agency, North West Region Abstraction: Horticulture And Nurseries: Spray Irrigation - Direct Abstraction Type: Water may be abstracted from a single point Source: Surface Daily Rate (m3): 136 Yearly Rate (m3): 6819 Details: Land/Premises At Red Earth Farm, Turton Authorised Start: 01 April Authorised End: 31 October Permit Start Date: 13th March 1992 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 100m	A23SW (N)	1081	2	375800 416895

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	Water Abstractions Operator: C M Holker Licence Number: 2569001243 Permit Version: Not Supplied Location: Red Earth Farm, TURTON Authority: Environment Agency, North West Region Abstraction: Not Supplied Abstraction Type: Not Supplied Source: Surface Daily Rate (m3): 0 Yearly Rate (m3): 0 Details: Two Brooks Stream Authorised Start: Not Supplied Authorised End: Not Supplied Permit Start Date: Not Supplied Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 100m	A23SW (N)	1086	2	375800 416900
	Water Abstractions Operator: Mr P Davies Licence Number: 2569003088 Permit Version: 100 Location: Borehole At Wickenlow Farm Authority: Environment Agency, North West Region Abstraction: Household Water Supply: Drinking; Cooking; Sanitary; Washing; (Small Garden) Abstraction Type: Water may be abstracted from a single point Source: Groundwater Daily Rate (m3): 3 Yearly Rate (m3): 1162 Details: Wickenlow Hill & Querton Manor Farms Authorised Start: 01 January Authorised End: 31 December Permit Start Date: 25th September 1992 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m	A22SE (NW)	1381	2	375310 417040
	Water Abstractions Operator: J Duxbury Licence Number: 2569001042 Permit Version: 100 Location: Spring At Higher Hall House (Holhouse) Farm, Greenmo Authority: Environment Agency, North West Region Abstraction: General Agriculture; General Use (Medium Loss) Abstraction Type: Water may be abstracted from a single point Source: Groundwater Daily Rate (m3): 4 Yearly Rate (m3): 1327 Details: Higher Hall House (Holhouse) Farm Authorised Start: 01 January Authorised End: 31 December Permit Start Date: 12th January 1966 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 100m	A10SW (SE)	1419	2	377100 414900
	Water Abstractions Operator: Mr D Davenport Licence Number: 2569001204 Permit Version: 100 Location: Borehole At Holcombe, Bury Authority: Environment Agency, North West Region Abstraction: General Agriculture; General Use (Medium Loss) Abstraction Type: Water may be abstracted from a single point Source: Groundwater Daily Rate (m3): 9 Yearly Rate (m3): 3319 Details: Hey House Farm, Holcombe, Bury Authorised Start: 01 January Authorised End: 31 December Permit Start Date: 30th July 1979 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 100m	A15SE (E)	1595	2	377600 415800

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	Water Abstractions Operator: Darul Uloom Licence Number: 2569001228 Permit Version: 100 Location: Borehole At Holcombe, Near Bury, Lancs Authority: Environment Agency, North West Region Abstraction: Commercial/Industrial/Public Services: Drinking; Cooking; Sanitary; Washing; (Small Garden) Abstraction Type: Water may be abstracted from a single point Source: Groundwater Daily Rate (m3): 91 Yearly Rate (m3): 22730 Details: Premises At Holcombe Hall, Holcombe Authorised Start: 01 January Authorised End: 31 December Permit Start Date: 20th June 1990 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 100m	(E)	1795	2	377800 415800
	Water Abstractions Operator: Darul Uloom Licence Number: 2569010228 Permit Version: Not Supplied Location: Borehole, Holcombe, BURY, Lancashire Authority: Environment Agency, North West Region Abstraction: Private Water Supply (Domestic & Holiday Recreation/Hotels Etc) Abstraction Type: Not Supplied Source: Groundwater Daily Rate (m3): 91 Yearly Rate (m3): 22730 Details: Licence Status: Revoked Authorised Start: Not Supplied Authorised End: Not Supplied Permit Start Date: Not Supplied Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 100m	(E)	1795	2	377800 415795
	Groundwater Vulnerability Map Combined Classification: Secondary Bedrock Aquifer - Medium Vulnerability Combined Vulnerability: Medium Combined Aquifer: Productive Bedrock Aquifer, Productive Superficial Aquifer Pollutant Speed: Low Bedrock Flow: Well Connected Fractures Dilution: >550 mm/year Baseflow Index: <40% Superficial: <90% Patchiness: Superficial <3m Thickness: Superficial Low Recharge:	A13NE (NW)	0	4	375984 415815
	Groundwater Vulnerability Map Combined Classification: Secondary Superficial Aquifer - Low Vulnerability Combined Vulnerability: Low Combined Aquifer: Productive Bedrock Aquifer, Productive Superficial Aquifer Pollutant Speed: Low Bedrock Flow: Well Connected Fractures Dilution: >550 mm/year Baseflow Index: <40% Superficial: >90% Patchiness: Superficial >10m Thickness: Superficial High Recharge:	A13NE (E)	0	4	376000 415815
	Groundwater Vulnerability - Soluble Rock Risk None				
	Bedrock Aquifer Designations Aquifer Designation: Secondary Aquifer - A	A13NE (NW)	0	4	375984 415815
	Superficial Aquifer Designations Aquifer Designation: Secondary Aquifer - Undifferentiated	A13NE (NW)	0	4	375984 415815
	Extreme Flooding from Rivers or Sea without Defences None				

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	Flooding from Rivers or Sea without Defences None				
	Areas Benefiting from Flood Defences None				
	Flood Water Storage Areas None				
	Flood Defences None				
12	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 51.8 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 1	A13NW (NW)	220	5	375779 415947
13	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 5.0 Watercourse Level: Underground Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 1	A13NW (NW)	255	5	375730 415932
14	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 120.2 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 1	A13NW (NW)	258	5	375725 415930
15	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 500.4 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 1	A13SW (W)	261	5	375720 415717
16	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 126.3 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 1	A13SW (SW)	284	5	375857 415543
17	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 54.9 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 1	A12NE (W)	327	5	375633 415855
18	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 228.3 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 1	A13NW (NW)	340	5	375666 415995
19	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 744.9 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 1	A13SE (SE)	340	5	376287 415613

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
20	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 37.3 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 1	A12NE (W)	358	5	375608 415892
21	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 273.5 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 1	A13SW (SW)	359	5	375732 415542
22	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 24.4 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 1	A12NE (W)	363	5	375600 415879
23	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 10.1 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 2	A12NE (W)	376	5	375592 415904
24	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 96.0 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 1	A12NE (W)	380	5	375587 415896
25	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 47.4 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 1	A14SW (E)	398	5	376401 415765
26	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 18.4 Watercourse Level: Underground Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 1	A14SW (E)	404	5	376405 415741
27	OS Water Network Lines Watercourse Form: Lake Watercourse Length: 20.1 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 1	A14SW (E)	408	5	376413 415781
28	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 83.6 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 1	A14NW (E)	417	5	376386 415980

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
29	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 206.6 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 1	A14NW (E)	419	5	376395 415963
30	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 31.8 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 1	A14NW (E)	419	5	376393 415968
31	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 478.8 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 1	A12NE (W)	429	5	375558 415974
32	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 360.4 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 1	A12NE (W)	429	5	375558 415974
33	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 67.8 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 1	A14NW (E)	451	5	376420 415983
34	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 88.4 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 1	A14NW (NE)	467	5	376401 416064
35	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 52.9 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 1	A14NW (NE)	468	5	376416 416038
36	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 64.2 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 2	A14NW (NE)	491	5	376394 416120
37	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 22.8 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 1	A14NW (NE)	491	5	376394 416120

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
38	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 124.9 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 1	A8NW (S)	495	5	375911 415308
39	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 2.9 Watercourse Level: Underground Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 1	A14NW (NE)	505	5	376394 416143
40	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 13.8 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 1	A14NW (NE)	507	5	376394 416146
41	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 2.9 Watercourse Level: Underground Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 1	A14NW (NE)	515	5	376447 416080
42	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 244.7 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 1	A19SW (NE)	516	5	376394 416160
43	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 12.8 Watercourse Level: Underground Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 2	A19SW (NE)	516	5	376394 416160
44	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 34.5 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 1	A14NW (NE)	517	5	376448 416082
45	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 64.3 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 2	A19SW (NE)	526	5	376407 416160
46	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 173.9 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 1	A19SW (NE)	539	5	376341 416246

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
47	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 40.6 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 1	A14NW (NE)	542	5	376457 416116
48	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 38.6 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 1	A8NW (SW)	563	5	375653 415341
49	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 232.2 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 1	A8NW (SW)	563	5	375653 415341
50	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 160.9 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 1	A8NW (SW)	566	5	375742 415285
51	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 5.7 Watercourse Level: Underground Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 1	A8NW (SW)	573	5	375703 415297
52	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 87.3 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 1	A19SW (NE)	573	5	376470 416154
53	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 57.0 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 1	A8NW (SW)	575	5	375698 415299
54	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 6.0 Watercourse Level: Not Supplied Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 1	A7NE (SW)	598	5	375642 415307
55	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 116.4 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 1	A7NE (SW)	599	5	375636 415309

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
56	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 100.4 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 1	A14NW (E)	604	5	376593 415943
57	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 21.3 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 1	A7NE (SW)	651	5	375627 415252
58	OS Water Network Lines Watercourse Form: Lake Watercourse Length: 23.6 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 1	A7NE (SW)	665	5	375634 415232
59	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 532.2 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 1	A14SE (E)	672	5	376658 415646
60	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 173.5 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 1	A8NE (S)	675	5	376156 415144
61	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 223.4 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 1	A17SE (NW)	680	5	375471 416295
62	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 412.7 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 1	A17SE (NW)	680	5	375471 416295
63	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 5.3 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 1	A7NE (SW)	681	5	375640 415209
64	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 334.5 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 1	A7NE (SW)	686	5	375637 415205

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
65	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 7.5 Watercourse Level: Underground Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 1	A19SW (NE)	691	5	376375 416409
66	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 147.7 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 1	A19SW (NE)	695	5	376373 416416
67	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 57.5 Watercourse Level: Not Supplied Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 1	A19SW (NE)	714	5	376427 416401
68	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 57.1 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 1	A18NW (N)	749	5	375833 416563
69	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 22.6 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 1	A18NW (N)	752	5	375708 416530
70	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 5.2 Watercourse Level: Underground Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 1	A18NW (N)	753	5	375702 416529
71	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 89.5 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 1	A18NW (N)	756	5	375797 416561
72	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 76.9 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 1	A18NW (N)	756	5	375797 416561
73	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 74.6 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 1	A18NW (N)	760	5	375717 416542

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
74	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 155.4 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 1	A9NW (SE)	760	5	376572 415297
75	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 76.7 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 1	A19SW (NE)	765	5	376437 416458
76	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 57.5 Watercourse Level: Not Supplied Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 1	A8SE (S)	779	5	376053 415021
77	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 21.8 Watercourse Level: On ground surface Permanent: True Watercourse Name: Holcombe Brook Catchment Name: Mersey Primacy: 2	A19SE (NE)	805	5	376702 416219
78	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 17.1 Watercourse Level: On ground surface Permanent: True Watercourse Name: Holcombe Brook Catchment Name: Mersey Primacy: 1	A19SE (NE)	809	5	376708 416216
79	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 186.0 Watercourse Level: On ground surface Permanent: True Watercourse Name: Holcombe Brook Catchment Name: Mersey Primacy: 1	A19SE (NE)	809	5	376708 416216
80	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 49.0 Watercourse Level: On ground surface Permanent: True Watercourse Name: Holcombe Brook Catchment Name: Mersey Primacy: 1	A19SE (NE)	813	5	376704 416232
81	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 14.2 Watercourse Level: Not Supplied Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 1	A18NW (N)	814	5	375824 416628
82	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 377.8 Watercourse Level: On ground surface Permanent: True Watercourse Name: Holcombe Brook Catchment Name: Mersey Primacy: 1	A19SE (NE)	821	5	376688 416273

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
83	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 736.6 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 1	A19SE (NE)	821	5	376688 416273
84	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 248.8 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 1	A8SE (S)	824	5	376020 414974
85	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 43.8 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 1	A19NW (NE)	826	5	376382 416562
86	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 20.6 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 2	A19NW (NE)	826	5	376382 416562
87	OS Water Network Lines Watercourse Form: Lake Watercourse Length: 62.4 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 1	A18NW (N)	829	5	375821 416642
88	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 128.8 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 1	A9NE (SE)	837	5	376709 415351
89	OS Water Network Lines Watercourse Form: Lake Watercourse Length: 9.2 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 1	A12NW (W)	844	5	375123 415938
90	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 46.1 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 1	A7SE (SW)	857	5	375492 415095
91	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 109.8 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 1	A14SE (E)	863	5	376804 415478

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
92	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 164.1 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 1	A7SE (SW)	863	5	375464 415108
93	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 34.6 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 1	A7NW (SW)	877	5	375250 415303
94	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 81.6 Watercourse Level: On ground surface Permanent: True Watercourse Name: Holcombe Brook Catchment Name: Mersey Primacy: 1	A14NE (E)	883	5	376834 416108
95	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 185.8 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 1	A18NW (N)	888	5	375828 416703
96	OS Water Network Lines Watercourse Form: Lake Watercourse Length: 253.5 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 1	A8SW (S)	896	5	375726 414939
97	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 2.2 Watercourse Level: Underground Permanent: True Watercourse Name: Holcombe Brook Catchment Name: Mersey Primacy: 1	A14NE (E)	901	5	376842 416140
98	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 96.2 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 1	A8SW (S)	907	5	375663 414949
99	OS Water Network Lines Watercourse Form: Lake Watercourse Length: 249.1 Watercourse Level: On ground surface Permanent: True Watercourse Name: Holcombe Brook Catchment Name: Mersey Primacy: 1	A14NE (E)	907	5	376868 416081
100	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 3.3 Watercourse Level: Underground Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 1	A7NW (SW)	908	5	375232 415276

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
101	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 266.7 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 1	A7NW (SW)	912	5	375229 415274
102	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 4.7 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 1	A7SE (SW)	914	5	375615 414960
103	OS Water Network Lines Watercourse Form: Lake Watercourse Length: 25.0 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 1	A7SE (SW)	917	5	375610 414960
104	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 8.9 Watercourse Level: Underground Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 1	A7SE (SW)	918	5	375581 414972
105	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 59.8 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 1	A7SE (SW)	918	5	375580 414973
106	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 238.0 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 1	A9NE (SE)	928	5	376828 415374
107	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 18.8 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 1	A7SE (SW)	929	5	375525 414989
108	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 106.8 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 1	A7SE (SW)	929	5	375508 415000
109	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 10.1 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 1	A18NE (N)	965	5	376205 416774

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
110	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 8.3 Watercourse Level: Underground Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 1	A18NE (N)	975	5	376206 416784
111	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 216.8 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 1	A7SE (SW)	980	5	375423 414993
112	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 43.6 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 1	A18NE (N)	983	5	376208 416792
113	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 297.4 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 1	A8SW (S)	987	5	375874 414816

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	Local Authority Landfill Coverage Name: Bury Metropolitan Borough Council - Has not been able to supply Landfill data		0	6	375984 415815
	Local Authority Landfill Coverage Name: Blackburn with Darwen Unitary Council - Has supplied landfill data		234	7	375729 415780
114	Potentially Infilled Land (Non-Water) Bearing Ref: SW Use: Unknown Filled Ground (Pit, quarry etc) Date of Mapping: 1982	A13SW (SW)	395	-	375701 415521
115	Potentially Infilled Land (Non-Water) Bearing Ref: W Use: Unknown Filled Ground (Pit, quarry etc) Date of Mapping: 1982	A12NE (W)	460	-	375528 415980
116	Potentially Infilled Land (Non-Water) Bearing Ref: W Use: Unknown Filled Ground (Pit, quarry etc) Date of Mapping: 1982	A12NE (W)	556	-	375422 415962
117	Potentially Infilled Land (Non-Water) Bearing Ref: W Use: Unknown Filled Ground (Pit, quarry etc) Date of Mapping: 1982	A12NE (W)	625	-	375376 416046
118	Potentially Infilled Land (Non-Water) Bearing Ref: SW Use: Unknown Filled Ground (Pit, quarry etc) Date of Mapping: 1982	A12SE (SW)	657	-	375395 415483
119	Potentially Infilled Land (Non-Water) Bearing Ref: SW Use: Unknown Filled Ground (Pit, quarry etc) Date of Mapping: 1982	A7NE (SW)	834	-	375340 415260
120	Potentially Infilled Land (Non-Water) Bearing Ref: W Use: Unknown Filled Ground (Pit, quarry etc) Date of Mapping: 1989	A11NE (W)	1000	-	374959 415852
121	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1894	A13NE (E)	276	-	376274 415866
122	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1930	A13SE (SE)	314	-	376125 415513
123	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1955	A14NW (E)	691	-	376639 416085
124	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1955	A14NE (E)	783	-	376771 415966
125	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1955	A9NW (SE)	806	-	376513 415177
126	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1930	A8SE (S)	839	-	376238 414998
127	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1956	A9SW (SE)	927	-	376400 414964

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	BGS 1:625,000 Solid Geology Description: Millstone Grit Group [See Also Migr]	A13NE (NW)	0	1	375984 415815
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic Concentration: <15 mg/kg Cadmium Concentration: <1.8 mg/kg Chromium Concentration: 60 - 90 mg/kg Lead Concentration: <100 mg/kg Nickel Concentration: 15 - 30 mg/kg	A13NE (NW)	0	1	375984 415815
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic Concentration: <15 mg/kg Cadmium Concentration: <1.8 mg/kg Chromium Concentration: 60 - 90 mg/kg Lead Concentration: 100 - 200 mg/kg Nickel Concentration: 15 - 30 mg/kg	A13NE (E)	0	1	376000 415815
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic Concentration: 15 - 25 mg/kg Cadmium Concentration: <1.8 mg/kg Chromium Concentration: 60 - 90 mg/kg Lead Concentration: <100 mg/kg Nickel Concentration: 15 - 30 mg/kg	A13SW (SW)	23	1	375950 415793
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic Concentration: 15 - 25 mg/kg Cadmium Concentration: <1.8 mg/kg Chromium Concentration: 60 - 90 mg/kg Lead Concentration: 100 - 200 mg/kg Nickel Concentration: 15 - 30 mg/kg	A13SE (S)	84	1	376000 415715
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic Concentration: 15 - 25 mg/kg Cadmium Concentration: <1.8 mg/kg Chromium Concentration: 90 - 120 mg/kg Lead Concentration: <100 mg/kg Nickel Concentration: 15 - 30 mg/kg	A13SW (W)	293	1	375682 415724
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic Concentration: 15 - 25 mg/kg Cadmium Concentration: <1.8 mg/kg Chromium Concentration: 60 - 90 mg/kg Lead Concentration: <100 mg/kg Nickel Concentration: 15 - 30 mg/kg	A13SW (W)	319	1	375655 415723

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic 15 - 25 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 60 - 90 mg/kg Concentration: Lead Concentration: <100 mg/kg Nickel 15 - 30 mg/kg Concentration:	A12NE (W)	457	1	375532 415982
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic <15 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 60 - 90 mg/kg Concentration: Lead Concentration: 100 - 200 mg/kg Nickel 15 - 30 mg/kg Concentration:	A8NE (S)	519	1	376000 415279
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic <15 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 60 - 90 mg/kg Concentration: Lead Concentration: <100 mg/kg Nickel 15 - 30 mg/kg Concentration:	A12SE (W)	661	1	375308 415708
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic 15 - 25 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 60 - 90 mg/kg Concentration: Lead Concentration: <100 mg/kg Nickel 15 - 30 mg/kg Concentration:	A12SW (W)	663	1	375305 415713
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic 15 - 25 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 60 - 90 mg/kg Concentration: Lead Concentration: <100 mg/kg Nickel 15 - 30 mg/kg Concentration:	A12NE (W)	671	1	375313 416000
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic <15 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 60 - 90 mg/kg Concentration: Lead Concentration: <100 mg/kg Nickel 15 - 30 mg/kg Concentration:	A8NW (SW)	720	1	375659 415155

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic <15 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 60 - 90 mg/kg Concentration: Lead Concentration: <100 mg/kg Nickel 15 - 30 mg/kg Concentration:	A12SW (W)	735	1	375225 415771
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic 15 - 25 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 60 - 90 mg/kg Concentration: Lead Concentration: <100 mg/kg Nickel 15 - 30 mg/kg Concentration:	A8SW (SW)	780	1	375676 415080
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic 15 - 25 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 60 - 90 mg/kg Concentration: Lead Concentration: <100 mg/kg Nickel 15 - 30 mg/kg Concentration:	A8SE (S)	808	1	376116 415000
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic 15 - 25 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 60 - 90 mg/kg Concentration: Lead Concentration: <100 mg/kg Nickel 15 - 30 mg/kg Concentration:	A7SE (SW)	867	1	375473 415096
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic 15 - 25 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 60 - 90 mg/kg Concentration: Lead Concentration: <100 mg/kg Nickel 30 - 45 mg/kg Concentration:	A8SE (S)	915	1	376101 414890
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic 15 - 25 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 60 - 90 mg/kg Concentration: Lead Concentration: <100 mg/kg Nickel 15 - 30 mg/kg Concentration:	A12NW (W)	940	1	375028 415948

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic: 15 - 25 mg/kg Concentration: Cadmium: <1.8 mg/kg Concentration: Chromium: 90 - 120 mg/kg Concentration: Lead Concentration: <100 mg/kg Nickel: 15 - 30 mg/kg Concentration:	A8SW (S)	952	1	375865 414853
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic: <15 mg/kg Concentration: Cadmium: <1.8 mg/kg Concentration: Chromium: 60 - 90 mg/kg Concentration: Lead Concentration: <100 mg/kg Nickel: 15 - 30 mg/kg Concentration:	A8SW (S)	984	1	375855 414822
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic: <15 mg/kg Concentration: Cadmium: <1.8 mg/kg Concentration: Chromium: 60 - 90 mg/kg Concentration: Lead Concentration: <100 mg/kg Nickel: 15 - 30 mg/kg Concentration:	A9SW (SE)	986	1	376576 415000
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic: <15 mg/kg Concentration: Cadmium: <1.8 mg/kg Concentration: Chromium: 60 - 90 mg/kg Concentration: Lead Concentration: <100 mg/kg Nickel: 15 - 30 mg/kg Concentration:	A8SW (S)	996	1	375712 414839
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic: 15 - 25 mg/kg Concentration: Cadmium: <1.8 mg/kg Concentration: Chromium: 60 - 90 mg/kg Concentration: Lead Concentration: <100 mg/kg Nickel: 15 - 30 mg/kg Concentration:	A7SE (S)	1000	1	375626 414863
128	BGS Recorded Mineral Sites Site Name: Top Of Quarlton Location: Hawkshaw, Ramsbottom, Lancashire Source: British Geological Survey, National Geoscience Information Service Reference: 96046 Type: Opencast Status: Ceased Operator: Unknown Operator Operator Location: Not Supplied Periodic Type: Carboniferous Geology: Dyneley Knoll Flags Commodity: Sandstone Positional Accuracy: Located by supplier to within 10m	A12SE (W)	394	1	375573 415742

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
129	BGS Recorded Mineral Sites Site Name: Top Of Quarlton Location: Turton Bottom, Bolton, Lancashire Source: British Geological Survey, National Geoscience Information Service Reference: 96007 Type: Opencast Status: Ceased Operator: Unknown Operator Operator Location: Not Supplied Periodic Type: Carboniferous Geology: Dyneley Knoll Flags Commodity: Sandstone Positional Accuracy: Located by supplier to within 10m	A12SE (SW)	419	1	375637 415552
130	BGS Recorded Mineral Sites Site Name: Top Of Quarlton Location: Turton Bottom, Bolton, Lancashire Source: British Geological Survey, National Geoscience Information Service Reference: 96005 Type: Opencast Status: Ceased Operator: Unknown Operator Operator Location: Not Supplied Periodic Type: Carboniferous Geology: Pennine Lower Coal Measures Formation Commodity: Sandstone Positional Accuracy: Located by supplier to within 10m	A12NW (W)	807	1	375182 416039
131	BGS Recorded Mineral Sites Site Name: Quarlton Fold Location: Turton Bottom, Bolton, Lancashire Source: British Geological Survey, National Geoscience Information Service Reference: 96013 Type: Opencast Status: Ceased Operator: Unknown Operator Operator Location: Not Supplied Periodic Type: Carboniferous Geology: Milnrow Sandstone Commodity: Sandstone Positional Accuracy: Located by supplier to within 10m	A7NE (SW)	826	1	375338 415276
	BGS Measured Urban Soil Chemistry No data available				
	BGS Urban Soil Chemistry Averages No data available				
	Coal Mining Affected Areas Description: In an area which may be affected by coal mining activity. It is recommended that a coal mining report is obtained from the Coal Authority. Contact details are included in the Useful Contacts section of this report.	A13NE (NW)	0	8	375984 415815
	Mining Instability Mining Evidence: Inconclusive Coal Mining Source: Ove Arup & Partners Boundary Quality: As Supplied	A13NE (NW)	0	-	375984 415815
	Non Coal Mining Areas of Great Britain Risk: Rare Source: British Geological Survey, National Geoscience Information Service	A13NE (NW)	0	1	375984 415815
	Potential for Collapsible Ground Stability Hazards Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	A13NE (NW)	0	1	375984 415815
	Potential for Compressible Ground Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	A13NE (NW)	0	1	375984 415815
	Potential for Ground Dissolution Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	A13NE (NW)	0	1	375984 415815
	Potential for Landslide Ground Stability Hazards Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	A13NE (NW)	0	1	375984 415815
	Potential for Landslide Ground Stability Hazards Hazard Potential: Low Source: British Geological Survey, National Geoscience Information Service	A13SW (W)	125	1	375837 415795

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	Potential for Landslide Ground Stability Hazards Hazard Potential: Low Source: British Geological Survey, National Geoscience Information Service	A13SW (SW)	241	1	375789 415650
	Potential for Running Sand Ground Stability Hazards Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	A13NE (NW)	0	1	375984 415815
	Potential for Shrinking or Swelling Clay Ground Stability Hazards Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	A13NE (NW)	0	1	375984 415815
	Potential for Shrinking or Swelling Clay Ground Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	A13SE (SE)	97	1	376087 415751
	Potential for Shrinking or Swelling Clay Ground Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	A13NW (N)	163	1	375948 415987
	Potential for Shrinking or Swelling Clay Ground Stability Hazards Hazard Potential: Low Source: British Geological Survey, National Geoscience Information Service	A13SW (SW)	173	1	375849 415687
	Radon Potential - Radon Affected Areas Affected Area: The property is in a Lower probability radon area (less than 1% of homes are estimated to be at or above the Action Level). Source: British Geological Survey, National Geoscience Information Service	A13NE (NW)	0	1	375984 415815
	Radon Potential - Radon Protection Measures Protection Measure: No radon protective measures are necessary in the construction of new dwellings or extensions Source: British Geological Survey, National Geoscience Information Service	A13NE (NW)	0	1	375984 415815

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
132	Contemporary Trade Directory Entries Name: Hawkshaw Horse Transport Location: Higher House Farm, Hawkshaw Lane, Hawkshaw, Bury, Lancashire, BL8 4LB Classification: Horse Boxes & Transporting Status: Inactive Positional Accuracy: Automatically positioned to the address	A13SE (S)	7	-	375987 415791
133	Contemporary Trade Directory Entries Name: Granutech Saturn Systems Location: Finny Cote Cottage, Hawkshaw Lane, Hawkshaw, Bury, Lancashire, BL8 4LB Classification: Shredding Equipment & Services Status: Inactive Positional Accuracy: Automatically positioned to the address	A13SW (SW)	140	-	375896 415688
134	Contemporary Trade Directory Entries Name: Halls Coal Merchants Location: 19, Quarlton Drive, Hawkshaw, Bury, Lancashire, BL8 4JY Classification: Coal & Smokeless Fuel Merchants & Distributors Status: Inactive Positional Accuracy: Automatically positioned to the address	A8SW (S)	724	-	375773 415104
135	Contemporary Trade Directory Entries Name: Hawkshaw Print & Design Location: 5, Quarlton Drive, Hawkshaw, Bury, Lancashire, BL8 4JY Classification: Printers Status: Inactive Positional Accuracy: Automatically positioned to the address	A8SW (S)	748	-	375882 415056
136	Contemporary Trade Directory Entries Name: Elite Ironing Location: 382, Bolton Road, Hawkshaw, Bury, Lancashire, BL8 4JR Classification: Ironing & Home Laundry Services Status: Inactive Positional Accuracy: Automatically positioned to the address	A8SW (S)	779	-	375834 415033
137	Contemporary Trade Directory Entries Name: Woodhey Dyeing Co Ltd Location: Bleaklow Mill, Bolton Road, Hawkshaw, Bury, Lancashire, BL8 4LL Classification: Dyers Status: Inactive Positional Accuracy: Automatically positioned to the address	A9SW (SE)	970	-	376485 414961
137	Contemporary Trade Directory Entries Name: Bowland Manufacturing Location: Bleaklow Mill, Bolton Road, Hawkshaw, Bury, Lancashire, BL8 4LL Classification: Dyers Status: Inactive Positional Accuracy: Automatically positioned to the address	A9SW (SE)	970	-	376485 414961
138	Points of Interest - Manufacturing and Production Name: R Leak Location: Hawkshaw Lane, Hawkshaw, Bury, BL8 4LB Category: Farming Class Code: Livestock Farming Positional Accuracy: Positioned to address or location	A13SE (S)	7	9	375987 415791
139	Points of Interest - Manufacturing and Production Name: Tank Location: BL8 Category: Industrial Features Class Code: Tanks (Generic) Positional Accuracy: Positioned to an adjacent address or location	A12SW (W)	681	9	375287 415710
140	Points of Interest - Manufacturing and Production Name: Tank Location: BL8 Category: Industrial Features Class Code: Tanks (Generic) Positional Accuracy: Positioned to address or location	A7SE (SW)	908	9	375597 414975
141	Points of Interest - Public Infrastructure Name: Weirs Location: BL8 Category: Water Class Code: Weirs, Sluices and Dams Positional Accuracy: Positioned to an adjacent address or location	A8SW (S)	981	9	375887 414821
141	Points of Interest - Public Infrastructure Name: Weirs Location: BL8 Category: Water Class Code: Weirs, Sluices and Dams Positional Accuracy: Positioned to an adjacent address or location	A8SW (S)	982	9	375886 414820

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
142	Points of Interest - Recreational and Environmental Name: Play Area Location: BL8 Category: Recreational Class Code: Playgrounds Positional Accuracy: Positioned to an adjacent address or location	A8SW (S)	832	9	375956 414966

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
143	Areas of Adopted Green Belt Authority: Bury Metropolitan Borough Council Plan Name: Bury Unitary Development Plan Status: Adopted Plan Date: 29th August 1997	A13NE (NW)	0	6	375984 415815
144	Areas of Adopted Green Belt Authority: Blackburn with Darwen Borough Council Plan Name: Local Plan Part 2: Allocations And Development Management Status: Adopted Plan Date: 3rd December 2015	A13SW (W)	230	11	375732 415784

Agency & Hydrological	Version	Update Cycle
Contaminated Land Register Entries and Notices Bolton Metropolitan Borough Council - Environmental Health Department Blackburn with Darwen Borough Council - Environmental Health Department Environment Agency - Head Office Rossendale Borough Council - Environmental Health Department Bury Metropolitan Borough Council - Environmental Health Department Rochdale Metropolitan Borough Council - Environmental Health Department	January 2015 July 2013 June 2020 November 2015 October 2013 October 2017	Annual Rolling Update Annual Rolling Update Annually Annual Rolling Update Annual Rolling Update Annually
Discharge Consents Environment Agency - North West Region	January 2021	Quarterly
Enforcement and Prohibition Notices Environment Agency - North West Region	March 2013	Annual Rolling Update
Integrated Pollution Controls Environment Agency - North West Region	October 2008	Variable
Integrated Pollution Prevention And Control Environment Agency - North West Region	January 2021	Quarterly
Local Authority Integrated Pollution Prevention And Control Blackburn with Darwen Borough Council - Environmental Health Department Bury Metropolitan Borough Council - Environmental Health Department Bolton Metropolitan Borough Council - Environmental Health Department Rochdale Metropolitan Borough Council - Environmental Health Department Rossendale Borough Council - Environmental Health Department	February 2015 February 2015 July 2014 July 2014 May 2016	Variable Variable Variable Variable Variable
Local Authority Pollution Prevention and Controls Blackburn with Darwen Borough Council - Environmental Health Department Bury Metropolitan Borough Council - Environmental Health Department Rochdale Metropolitan Borough Council - Environmental Health Department Bolton Metropolitan Borough Council - Environmental Health Department Rossendale Borough Council - Environmental Health Department	February 2015 February 2015 July 2014 July 2014 May 2016	Not Applicable Not Applicable Annual Rolling Update Not Applicable Annual Rolling Update
Local Authority Pollution Prevention and Control Enforcements Blackburn with Darwen Borough Council - Environmental Health Department Bury Metropolitan Borough Council - Environmental Health Department Bolton Metropolitan Borough Council - Environmental Health Department Rochdale Metropolitan Borough Council - Environmental Health Department Rossendale Borough Council - Environmental Health Department	February 2015 February 2015 July 2014 July 2014 May 2016	Variable Variable Variable Variable Variable
Nearest Surface Water Feature Ordnance Survey	January 2021	
Pollution Incidents to Controlled Waters Environment Agency - North West Region	January 2000	Not Applicable
Prosecutions Relating to Authorised Processes Environment Agency - North West Region	March 2013	Annual Rolling Update
Prosecutions Relating to Controlled Waters Environment Agency - North West Region	March 2013	Annual Rolling Update
Registered Radioactive Substances Environment Agency - North West Region	June 2016	
River Quality Environment Agency - Head Office	November 2001	Not Applicable
River Quality Biology Sampling Points Environment Agency - Head Office	July 2012	Annually
River Quality Chemistry Sampling Points Environment Agency - Head Office	July 2012	Annually
Substantiated Pollution Incident Register Environment Agency - North West Region - Central Area Environment Agency - North West Region - North Area Environment Agency - North West Region - South Area	January 2021 January 2021 January 2021	Quarterly Quarterly Quarterly

Agency & Hydrological	Version	Update Cycle
Water Abstractions Environment Agency - North West Region	January 2021	Quarterly
Water Industry Act Referrals Environment Agency - North West Region	October 2017	Quarterly
Groundwater Vulnerability Map Environment Agency - Head Office	June 2018	As notified
Bedrock Aquifer Designations Environment Agency - Head Office	January 2018	Annually
Superficial Aquifer Designations Environment Agency - Head Office	January 2018	Annually
Source Protection Zones Environment Agency - Head Office	October 2019	Quarterly
Extreme Flooding from Rivers or Sea without Defences Environment Agency - Head Office	March 2021	Quarterly
Flooding from Rivers or Sea without Defences Environment Agency - Head Office	March 2021	Quarterly
Areas Benefiting from Flood Defences Environment Agency - Head Office	March 2021	Quarterly
Flood Water Storage Areas Environment Agency - Head Office	March 2021	Quarterly
Flood Defences Environment Agency - Head Office	March 2021	Quarterly
OS Water Network Lines Ordnance Survey	September 2020	Quarterly
Surface Water 1 in 30 year Flood Extent Environment Agency - Head Office	October 2013	Annually
Surface Water 1 in 100 year Flood Extent Environment Agency - Head Office	October 2013	Annually
Surface Water 1 in 1000 year Flood Extent Environment Agency - Head Office	October 2013	Annually
Surface Water Suitability Environment Agency - Head Office	October 2013	Annually
BGS Groundwater Flooding Susceptibility British Geological Survey - National Geoscience Information Service	May 2013	Annually

Waste	Version	Update Cycle
BGS Recorded Landfill Sites British Geological Survey - National Geoscience Information Service	June 1996	Not Applicable
Historical Landfill Sites Environment Agency - Head Office	October 2019	Quarterly
Integrated Pollution Control Registered Waste Sites Environment Agency - North West Region	October 2008	Not Applicable
Licensed Waste Management Facilities (Landfill Boundaries) Environment Agency - North West Region - Central Area Environment Agency - North West Region - North Area Environment Agency - North West Region - South Area	January 2021 January 2021 January 2021	Quarterly Quarterly Quarterly
Licensed Waste Management Facilities (Locations) Environment Agency - North West Region - Central Area Environment Agency - North West Region - North Area Environment Agency - North West Region - South Area	January 2021 January 2021 January 2021	Quarterly Quarterly Quarterly
Local Authority Landfill Coverage Blackburn with Darwen Borough Council Bolton Metropolitan Borough Council Bury Metropolitan Borough Council Lancashire County Council - Waste Management Group Rochdale Metropolitan Borough Council - Environmental Health Department Rossendale Borough Council - Environmental Health Department	May 2000 May 2000 May 2000 May 2000 May 2000 May 2000	Not Applicable Not Applicable Not Applicable Not Applicable Not Applicable Not Applicable
Local Authority Recorded Landfill Sites Blackburn with Darwen Borough Council Bolton Metropolitan Borough Council Bury Metropolitan Borough Council Lancashire County Council - Waste Management Group Rochdale Metropolitan Borough Council - Environmental Health Department Rossendale Borough Council - Environmental Health Department	May 2000 May 2000 May 2000 May 2000 May 2000 May 2000	Not Applicable Not Applicable Not Applicable Not Applicable Not Applicable Not Applicable
Potentially Infilled Land (Non-Water) Landmark Information Group Limited	December 1999	Not Applicable
Potentially Infilled Land (Water) Landmark Information Group Limited	December 1999	Not Applicable
Registered Landfill Sites Environment Agency - North West Region - Central Area Environment Agency - North West Region - North Area Environment Agency - North West Region - South Area	March 2003 March 2003 March 2003	Not Applicable Not Applicable Not Applicable
Registered Waste Transfer Sites Environment Agency - North West Region - Central Area Environment Agency - North West Region - North Area Environment Agency - North West Region - South Area	March 2003 March 2003 March 2003	Not Applicable Not Applicable Not Applicable
Registered Waste Treatment or Disposal Sites Environment Agency - North West Region - Central Area Environment Agency - North West Region - North Area Environment Agency - North West Region - South Area	March 2003 March 2003 March 2003	Not Applicable Not Applicable Not Applicable

Hazardous Substances	Version	Update Cycle
Control of Major Accident Hazards Sites (COMAH) Health and Safety Executive	April 2018	Bi-Annually
Explosive Sites Health and Safety Executive	March 2017	Annually
Notification of Installations Handling Hazardous Substances (NIHHS) Health and Safety Executive	November 2000	Not Applicable
Planning Hazardous Substance Enforcements Blackburn with Darwen Borough Council Bolton Metropolitan Borough Council - Planning Department Bury Metropolitan Borough Council Lancashire County Council Rochdale Metropolitan Borough Council Rossendale Borough Council - Planning Department	February 2016 February 2016 February 2016 February 2016 February 2016 February 2016	Variable Variable Variable Variable Variable Variable
Planning Hazardous Substance Consents Blackburn with Darwen Borough Council Bolton Metropolitan Borough Council - Planning Department Bury Metropolitan Borough Council Lancashire County Council Rochdale Metropolitan Borough Council Rossendale Borough Council - Planning Department	February 2016 February 2016 February 2016 February 2016 February 2016 February 2016	Variable Variable Variable Variable Variable Variable
Geological	Version	Update Cycle
BGS 1:625,000 Solid Geology British Geological Survey - National Geoscience Information Service	January 2009	Not Applicable
BGS Estimated Soil Chemistry British Geological Survey - National Geoscience Information Service	October 2015	Annually
BGS Recorded Mineral Sites British Geological Survey - National Geoscience Information Service	November 2020	Bi-Annually
CBSCB Compensation District Cheshire Brine Subsidence Compensation Board (CBSCB)	August 2011	Not Applicable
Coal Mining Affected Areas The Coal Authority - Property Searches	March 2014	Annual Rolling Update
Mining Instability Ove Arup & Partners	October 2000	Not Applicable
Non Coal Mining Areas of Great Britain British Geological Survey - National Geoscience Information Service	May 2015	Not Applicable
Potential for Collapsible Ground Stability Hazards British Geological Survey - National Geoscience Information Service	April 2020	Annually
Potential for Compressible Ground Stability Hazards British Geological Survey - National Geoscience Information Service	January 2019	Annually
Potential for Ground Dissolution Stability Hazards British Geological Survey - National Geoscience Information Service	January 2019	Annually
Potential for Landslide Ground Stability Hazards British Geological Survey - National Geoscience Information Service	January 2019	Annually
Potential for Running Sand Ground Stability Hazards British Geological Survey - National Geoscience Information Service	January 2019	Annually
Potential for Shrinking or Swelling Clay Ground Stability Hazards British Geological Survey - National Geoscience Information Service	January 2019	Annually
Radon Potential - Radon Affected Areas British Geological Survey - National Geoscience Information Service	July 2011	Annually
Radon Potential - Radon Protection Measures British Geological Survey - National Geoscience Information Service	July 2011	Annually

Industrial Land Use	Version	Update Cycle
Contemporary Trade Directory Entries Thomson Directories	January 2021	Quarterly
Fuel Station Entries Catalist Ltd - Experian	February 2021	Quarterly
Gas Pipelines National Grid	January 2021	
Points of Interest - Commercial Services PointX	March 2021	Quarterly
Points of Interest - Education and Health PointX	March 2021	Quarterly
Points of Interest - Manufacturing and Production PointX	March 2021	Quarterly
Points of Interest - Public Infrastructure PointX	March 2021	Quarterly
Points of Interest - Recreational and Environmental PointX	March 2021	Quarterly
Underground Electrical Cables National Grid	April 2021	

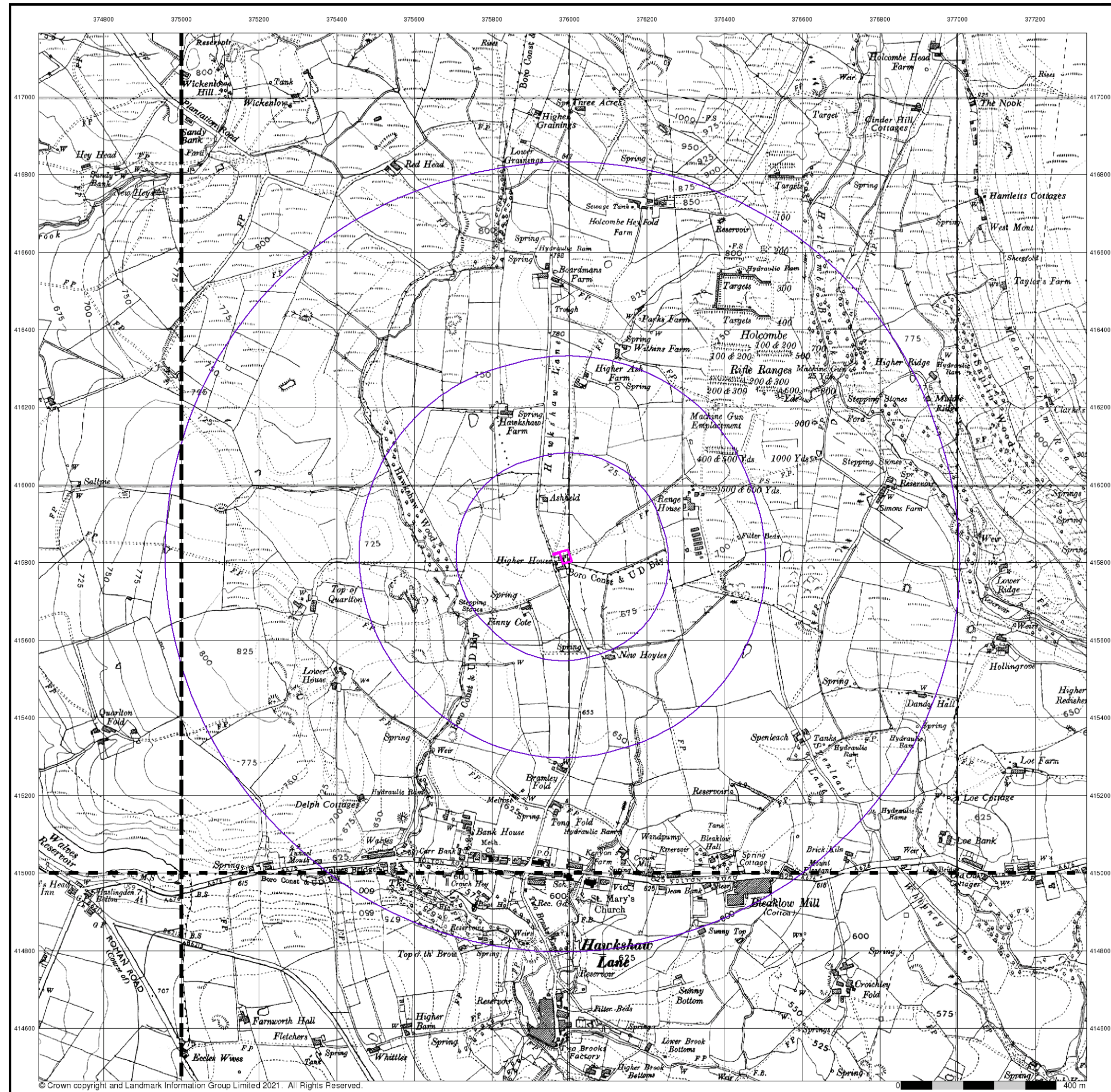
Sensitive Land Use	Version	Update Cycle
Ancient Woodland Natural England	February 2021	Bi-Annually
Areas of Adopted Green Belt Blackburn with Darwen Borough Council Bolton Metropolitan Borough Council Bury Metropolitan Borough Council Rochdale Metropolitan Borough Council Rossendale Borough Council - Planning Department	June 2020 June 2020 June 2020 June 2020 June 2020	As notified As notified As notified As notified As notified
Areas of Unadopted Green Belt Blackburn with Darwen Borough Council Bolton Metropolitan Borough Council Bury Metropolitan Borough Council Rochdale Metropolitan Borough Council Rossendale Borough Council - Planning Department	June 2020 June 2020 June 2020 June 2020 June 2020	As notified As notified As notified As notified As notified
Areas of Outstanding Natural Beauty Natural England	January 2021	Bi-Annually
Environmentally Sensitive Areas Natural England	January 2017	
Forest Parks Forestry Commission	April 1997	Not Applicable
Local Nature Reserves Natural England	February 2021	Bi-Annually
Marine Nature Reserves Natural England	July 2019	Bi-Annually
National Nature Reserves Natural England	January 2021	Bi-Annually
National Parks Natural England	April 2017	Bi-Annually
Nitrate Sensitive Areas Natural England	April 2016	Not Applicable
Nitrate Vulnerable Zones Environment Agency - Head Office Department for Environment, Food and Rural Affairs (DEFRA - formerly FRCA)	December 2017 October 2015	Bi-Annually
Ramsar Sites Natural England	August 2020	Bi-Annually
Sites of Special Scientific Interest Natural England	February 2021	Bi-Annually
Special Areas of Conservation Natural England	July 2020	Bi-Annually
Special Protection Areas Natural England	February 2021	Bi-Annually

A selection of organisations who provide data within this report

Data Supplier	Data Supplier Logo
Ordnance Survey	
Environment Agency	
Scottish Environment Protection Agency	
The Coal Authority	
British Geological Survey	 British Geological Survey NATURAL ENVIRONMENT RESEARCH COUNCIL
Centre for Ecology and Hydrology	 Centre for Ecology & Hydrology NATURAL ENVIRONMENT RESEARCH COUNCIL
Natural Resources Wales	
Scottish Natural Heritage	
Natural England	
Public Health England	
Ove Arup	
Stantec UK Ltd	

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	Environment Agency - National Customer Contact Centre (NCCC) PO Box 544, Templeborough, Rotherham, S60 1BY	Telephone: 03708 506 506 Email: enquiries@environment-agency.gov.uk
3	Bury Metropolitan Borough Council - Environmental Health Department 3 Knowsley Place, Duke Street, Bury, Lancashire, BL9 0EJ	Telephone: 0161 253 5000 Fax: 0161 253 5563 Website: www.bury.gov.uk
4	Environment Agency - Head Office Rio House, Waterside Drive, Aztec West, Almondsbury, Bristol, Avon, BS32 4UD	Telephone: 01454 624400 Fax: 01454 624409
5	Ordnance Survey Adanac Drive, Southampton, Hampshire, SO16 0AS	Telephone: 03456 05 05 05 Email: customerservices@ordnancesurvey.co.uk Website: www.ordnancesurvey.gov.uk
6	Bury Metropolitan Borough Council Craig House, Bank Street, Bury, Lancashire, BL9 0DN	Telephone: 0161 253 5000 Fax: 0161 705 5290 Website: www.bury.gov.uk
7	Blackburn with Darwen Borough Council Town Hall, BLACKBURN, Lancashire, BB1 7DY	Telephone: 01254 585585 Fax: 01254 680870 Website: www.blackburn.gov.uk
8	The Coal Authority - Property Searches 200 Lichfield Lane, Mansfield, Nottinghamshire, NG18 4RG	Telephone: 0345 762 6848 Fax: 01623 637 338 Email: groundstability@coal.gov.uk Website: www2.groundstability.com
9	PointX 7 Abbey Court, Eagle Way, Sowton, Exeter, Devon, EX2 7HY	Website: www.pointx.co.uk
10	Natural England County Hall, Spetchley Road, Worcester, WR5 2NP	Telephone: 0300 060 3900 Email: enquiries@naturalengland.org.uk Website: www.naturalengland.org.uk
11	Blackburn with Darwen Borough Council Town Hall, Blackburn, Lancashire, BB1 7DY	Telephone: 01254 585585 Fax: 01254 680870 Website: www.blackburn.gov.uk
12	Bolton Metropolitan Borough Council Town Hall, The Wellsprings, Bolton, Lancashire, BL1 1US	Telephone: 01204 522311 Fax: 01204 392808 Website: www.bolton.gov.uk
-	Public Health England - Radon Survey, Centre for Radiation, Chemical and Environmental Hazards Chilton, Didcot, Oxfordshire, OX11 0RQ	Telephone: 01235 822622 Fax: 01235 833891 Email: radon@phe.gov.uk Website: www.ukradon.org
-	Landmark Information Group Limited Imperium, Imperial Way, Reading, Berkshire, RG2 0TD	Telephone: 0844 844 9952 Fax: 0844 844 9951 Email: customerservices@landmarkinfo.co.uk Website: www.landmarkinfo.co.uk

Please note that the Environment Agency / Natural Resources Wales / SEPA have a charging policy in place for enquiries.



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Ordnance Survey Plan

Published 1955 - 1956

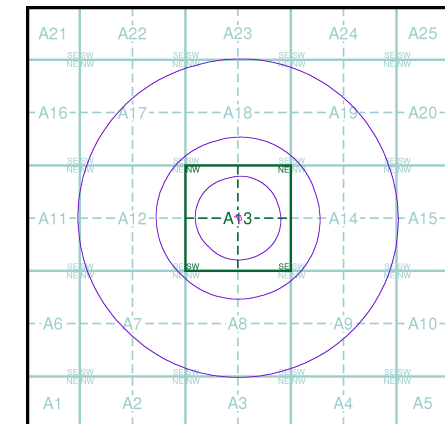
Source map scale - 1:10,000

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; these maps were used to update the 1:10,560 maps. The published date given therefore 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. In the late 1940's, a Provisional Edition was produced, which updated the 1:10,560 mapping from a number of sources. The maps appear unfinished - with all military camps and other strategic sites removed. These maps were initially overprinted with the National Grid. In 1970, the first 1:10,000 maps were produced using the Transverse Mercator Projection. The revision process continued until recently, with new editions appearing every 10 years or so for urban areas.

Map Name(s) and Date(s)

SD71NW	SD71NE
1955	1955
1:10,560	1:10,560
SD71SW	SD71SE
1956	1956
1:10,560	1:10,560

Historical Map - Slice A



Order Details

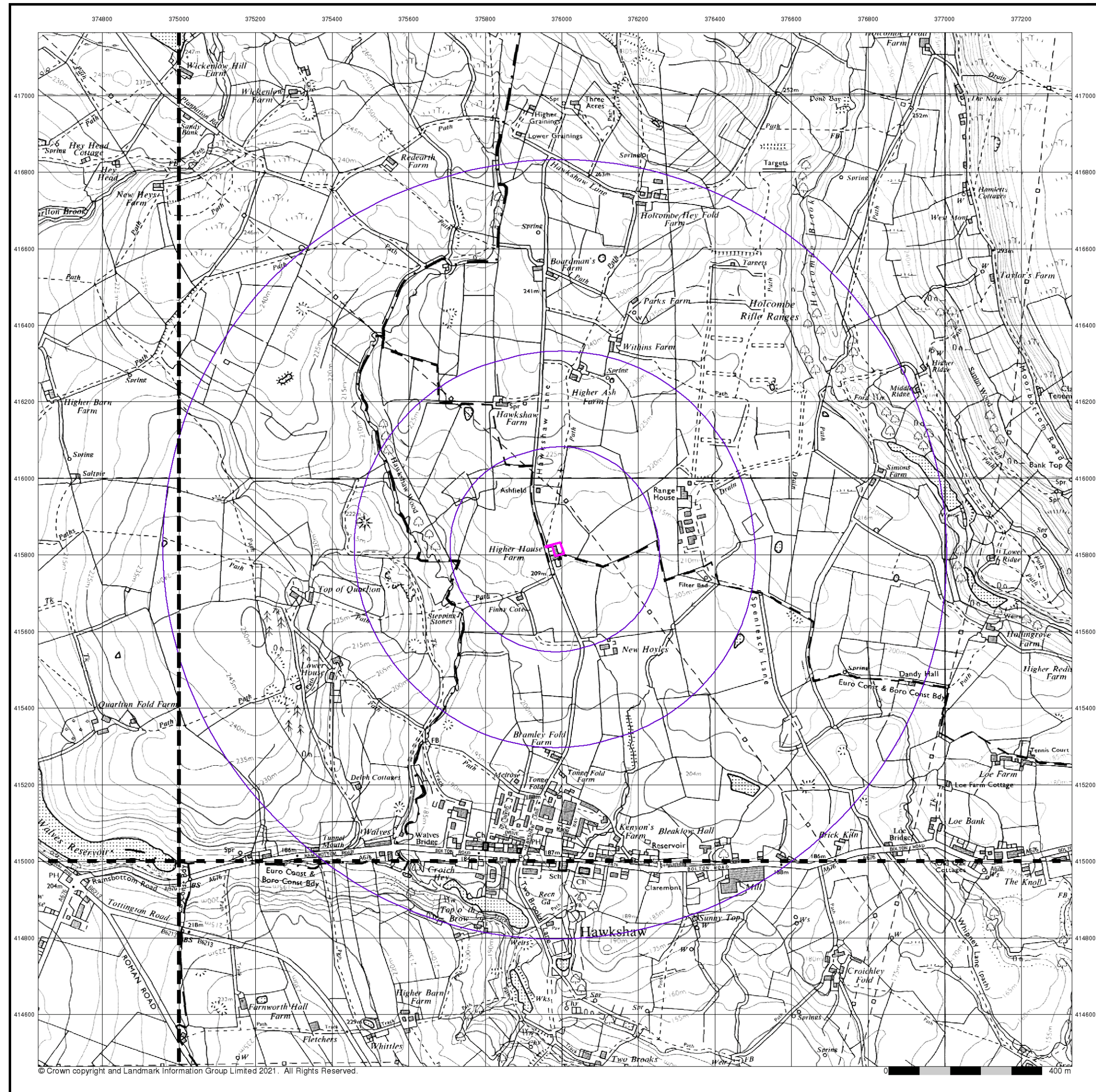
Order Number: 277083172_1_1
Customer Ref: BL8 4LB
National Grid Reference: 375980, 415820
Slice: A
Site Area (Ha): 0.08
Search Buffer (m): 1000

Site Details

Higher House Farm, Hawkshaw Lane, Hawkshaw, BURY, BL8 4LB

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Ordnance Survey Plan

Published 1982 - 1987

Source map scale - 1:10,000

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; these maps were used to update the 1:10,560 maps. The published date given therefore 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. In the late 1940's, a Provisional Edition was produced, which updated the 1:10,560 mapping from a number of sources. The maps appear unfinished - with all military camps and other strategic sites removed. These maps were initially overprinted with the National Grid. In 1970, the first 1:10,000 maps were produced using the Transverse Mercator Projection. The revision process continued until recently, with new editions appearing every 10 years or so for urban areas.

Map Name(s) and Date(s)

SD71NW 1987 1:10,000	SD71NE 1982 1:10,000
SD71SW 1987 1:10,000	SD71SE 1982 1:10,000

Historical Map - Slice A

Order Details

Order Number: 277083172_1_1
Customer Ref: BL8 4LB
National Grid Reference: 375980, 415820
Slice: A
Site Area (Ha): 0.08
Search Buffer (m): 1000

Site Details

Higher House Farm, Hawkshaw Lane, Hawkshaw, BURY, BL8 4LB

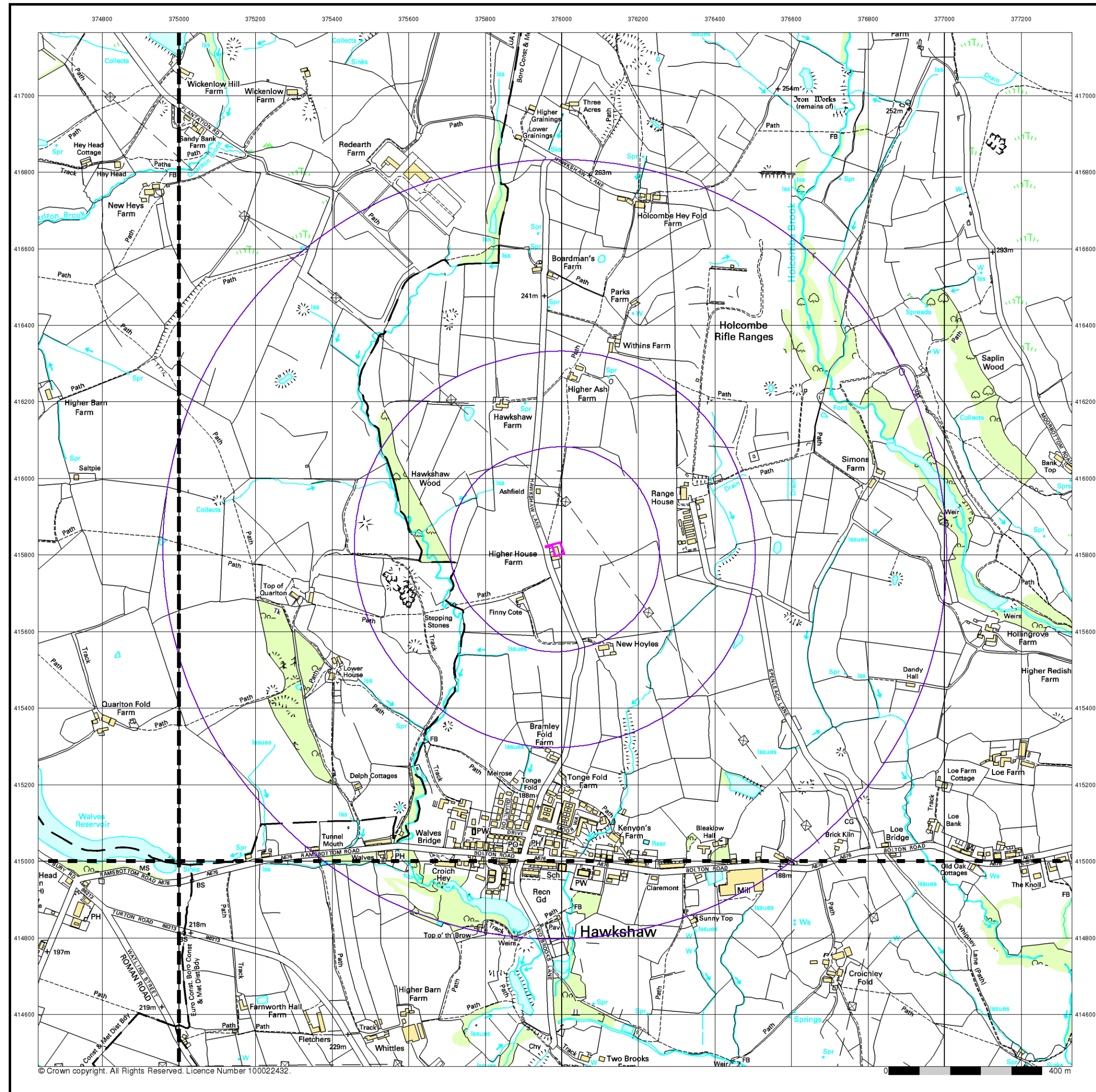
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10k Raster Mapping

Published 1999

Source map scale - 1:10,000

The historical maps shown were produced from the Ordnance Survey's 1:10,000 colour raster mapping. These maps are derived from Landplan which replaced the old 1:10,000 maps originally published in 1970. The data is highly detailed showing buildings, fences and field boundaries as well as all roads, tracks and paths. Road names are also included together with the relevant road number and classification. Boundary information depiction includes county, unitary authority, district, civil parish and constituency.

Map Name(s) and Date(s)

SD71NW 1999 1:10,000	SD71NE 1999 1:10,000
SD71SW 1999 1:10,000	SD71SE 1999 1:10,000

Historical Map - Slice A

Order Details

Order Number: 277083172_1_1
Customer Ref: BL8 4LB
National Grid Reference: 375980, 415820
Slice: A
Site Area (Ha): 0.08
Search Buffer (m): 1000

Site Details

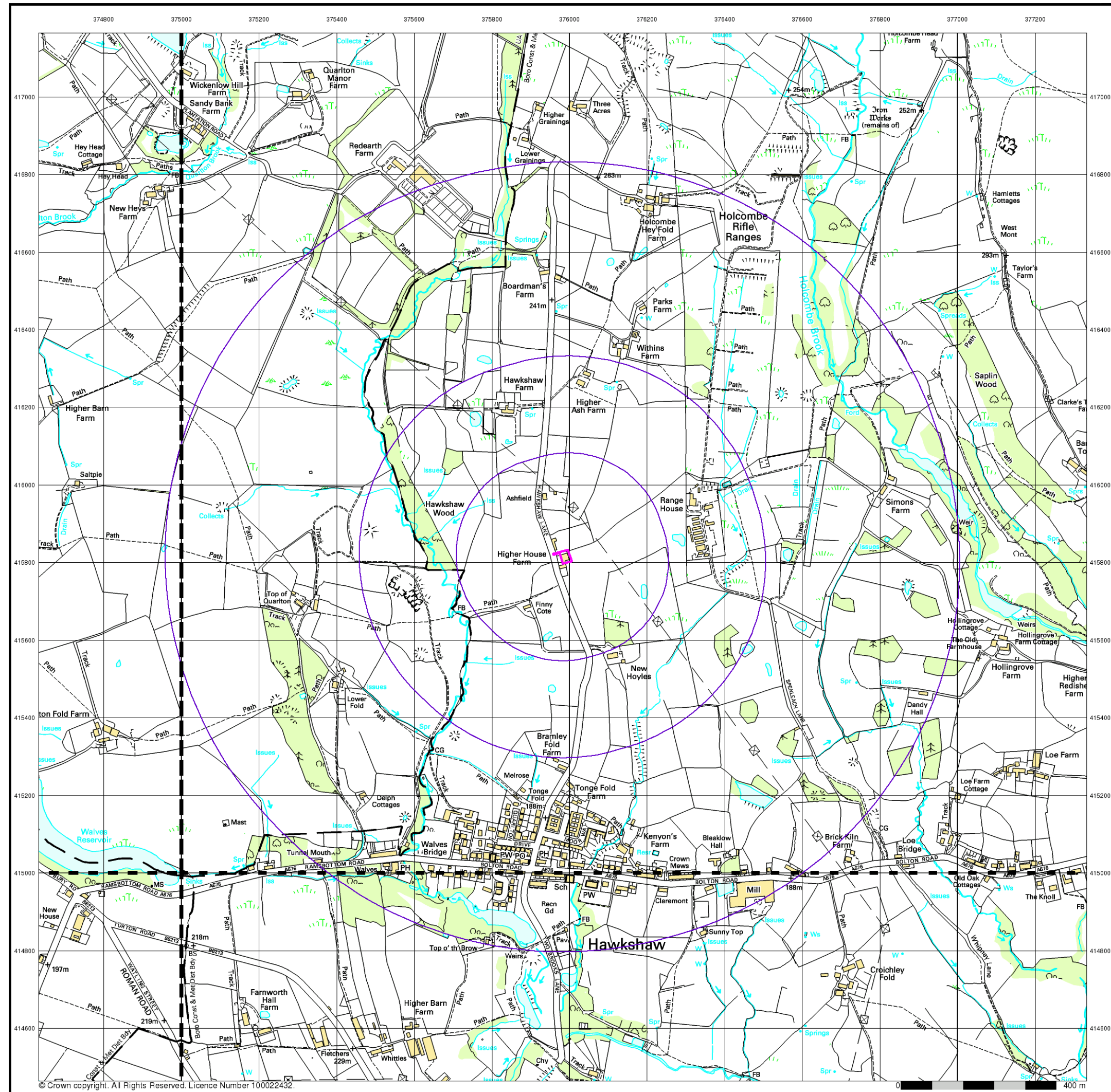
Higher House Farm, Hawkshaw Lane, Hawkshaw, BURY, BL8 4LB

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10k Raster Mapping

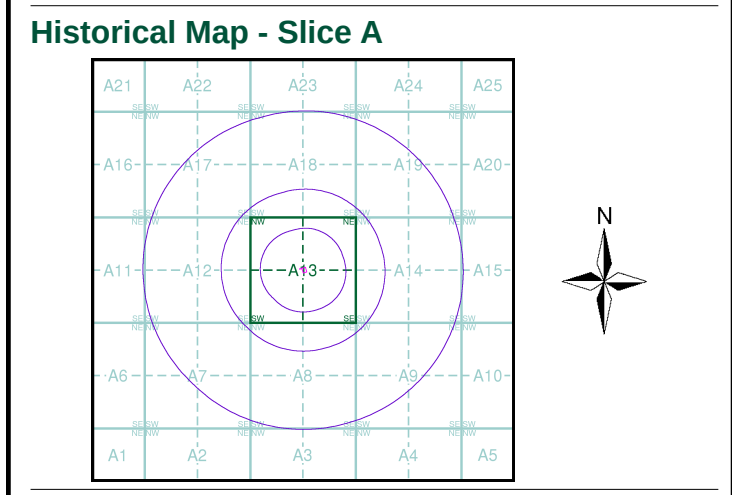
Published 2006

Source map scale - 1:10,000

The historical maps shown were produced from the Ordnance Survey's 1:10,000 colour raster mapping. These maps are derived from Landplan which replaced the old 1:10,000 maps originally published in 1970. The data is highly detailed showing buildings, fences and field boundaries as well as all roads, tracks and paths. Road names are also included together with the relevant road number and classification. Boundary information depiction includes county, unitary authority, district, civil parish and constituency.

Map Name(s) and Date(s)

SD71NW	SD71NE
2006	2006
1:10,000	1:10,000
SD71SW	SD71SE
2006	2006
1:10,000	1:10,000



Order Details

Order Number: 277083172_1_1

Customer Ref: BL8 4LB

National Grid Reference: 375980, 415820

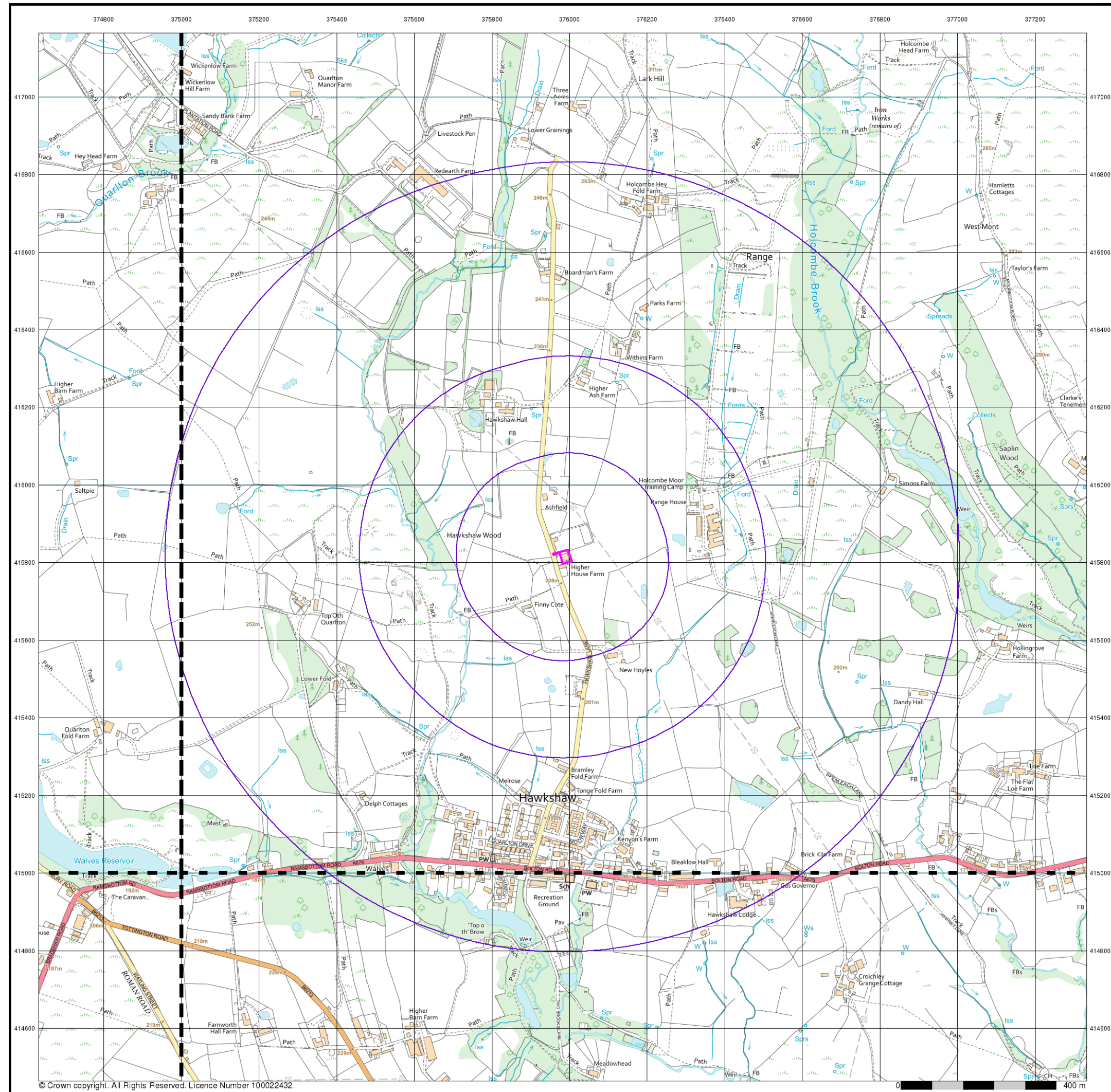
Slice: A

Site Area (Ha): 0.08

Search Buffer (m): 1000

Site Details

Higher House Farm, Hawkshaw Lane, Hawkshaw, BURY, BL8 4LB



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VectorMap Local

Published 2021

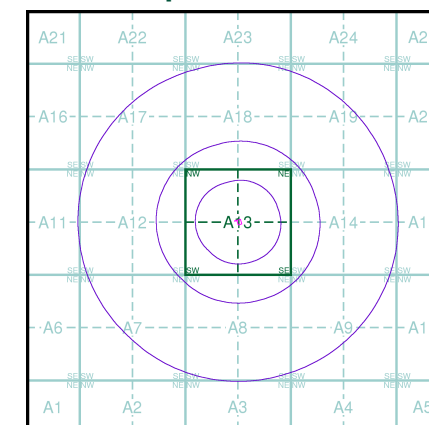
Source map scale - 1:10,000

VectorMap Local (Raster) is Ordnance Survey's highest detailed 'backdrop' mapping product. These maps are produced from OS's VectorMap Local, a simple vector dataset at a nominal scale of 1:10,000, covering the whole of Great Britain, that has been designed for creating graphical mapping. OS VectorMap Local is derived from large-scale information surveyed at 1:1250 scale (covering major towns and cities), 1:2500 scale (smaller towns, villages and developed rural areas), and 1:10 000 scale (mountain, moorland and river estuary areas).

Map Name(s) and Date(s)

SD71NW 2021 Variable	SD71NE 2021 Variable
SD71SW 2021 Variable	SD71SE 2021 Variable

Historical Map - Slice A



Order Details

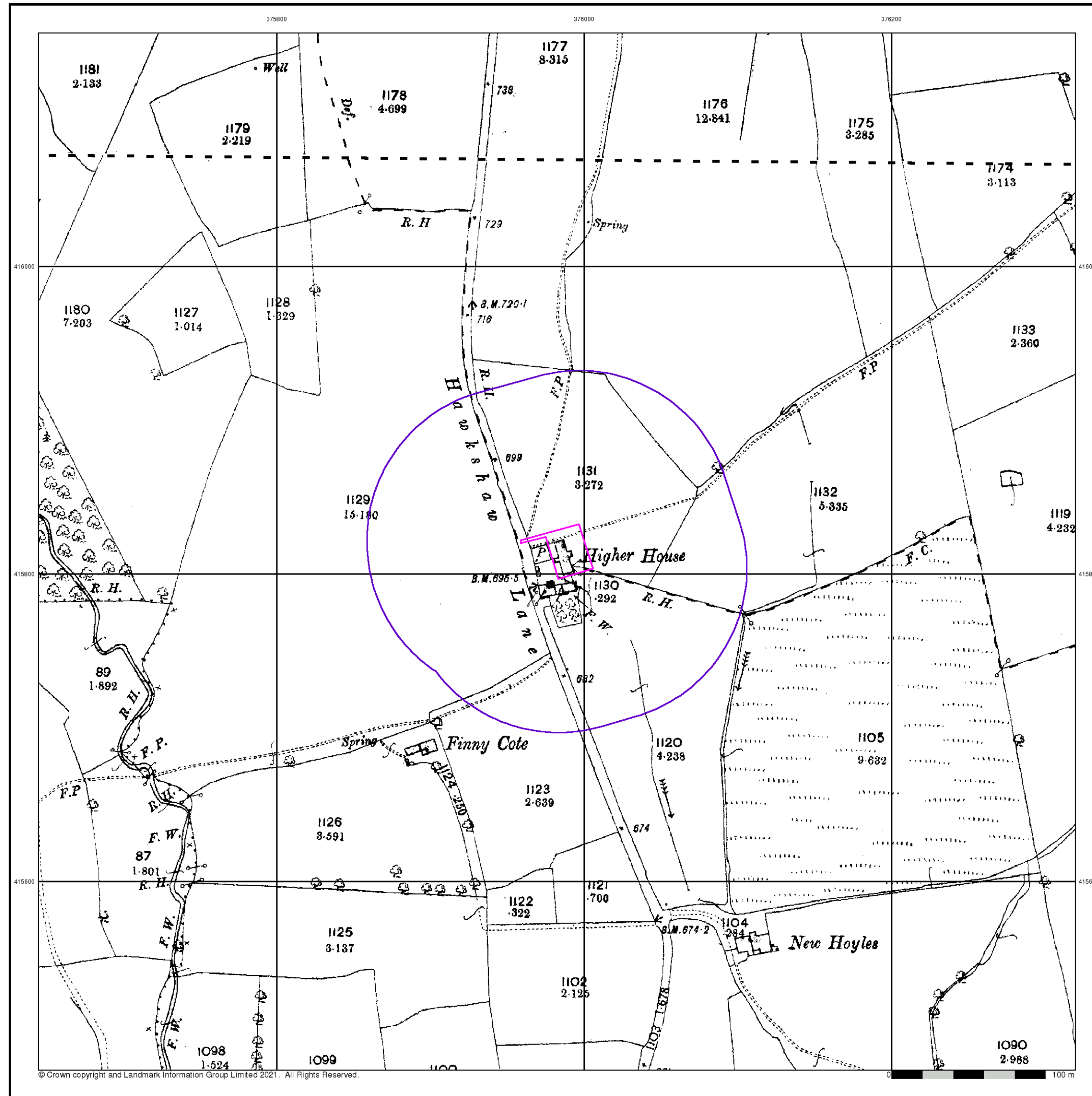
Order Number: 277083172_1_1
Customer Ref: BL8 4LB
National Grid Reference: 375980, 415820
Slice: A
Site Area (Ha): 0.08
Search Buffer (m): 1000

Site Details

Higher House Farm, Hawkshaw Lane, Hawkshaw, BURY, BL8 4LB

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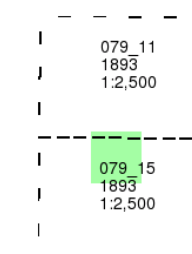
Lancashire And Furness

Published 1893

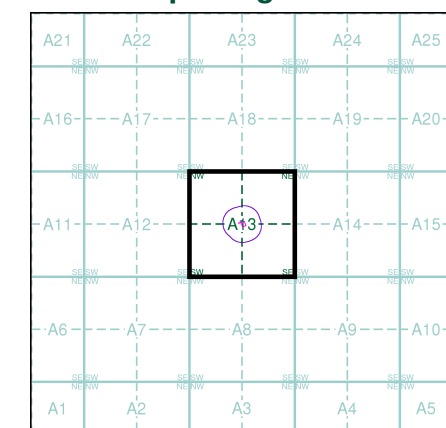
Source map scale - 1:2,500

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

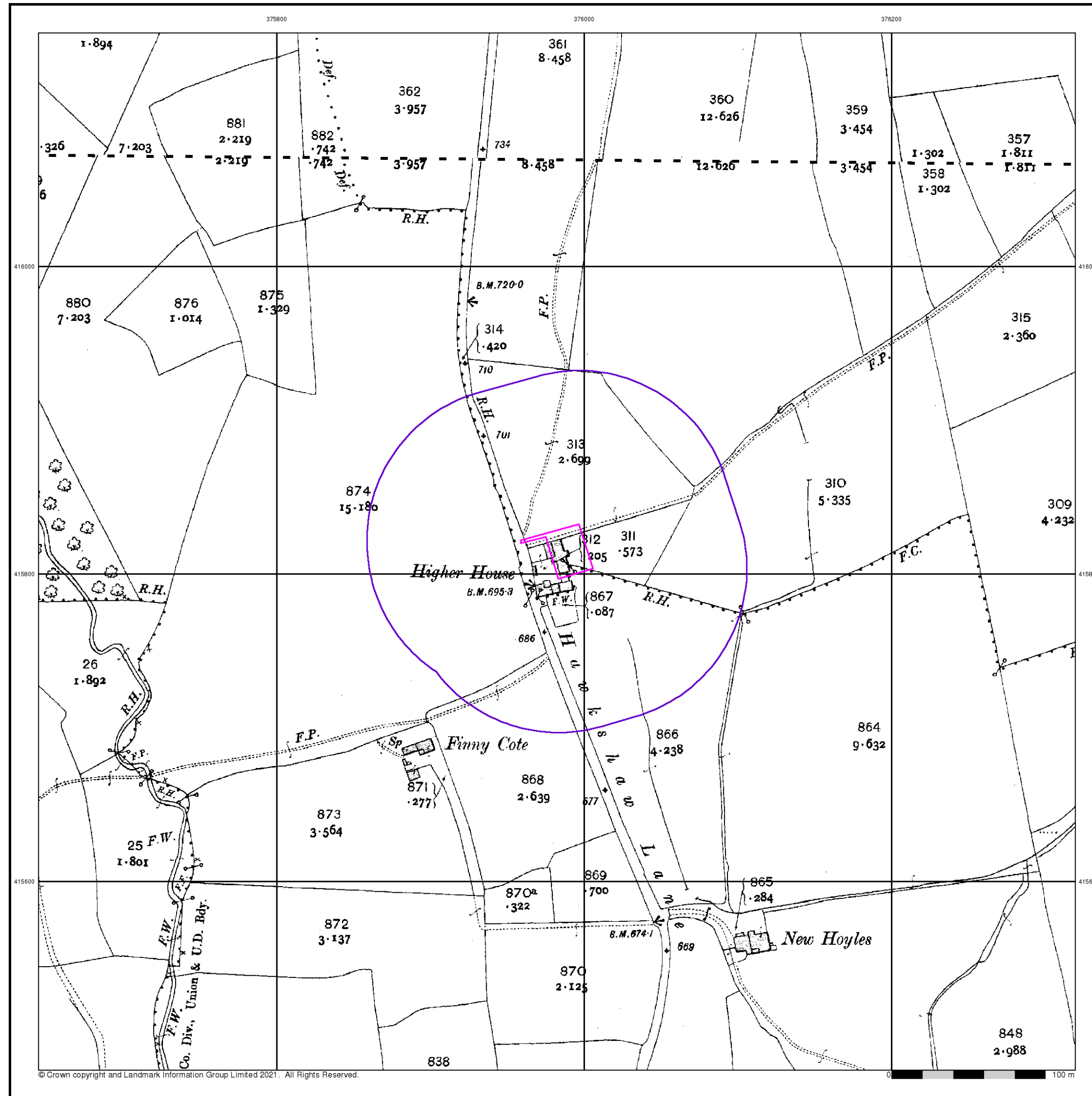
Order Number: 277083172_1_1
Customer Ref: BL8 4LB
National Grid Reference: 375980, 415820
Slice: A
Site Area (Ha): 0.08
Search Buffer (m): 100

Site Details

Higher House Farm, Hawkshaw Lane, Hawkshaw, BURY, BL8 4LB

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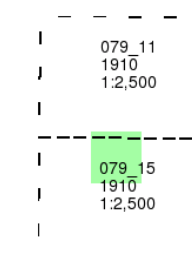
Lancashire And Furness

Published 1910

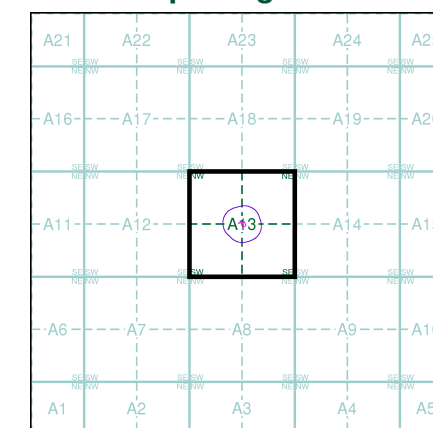
Source map scale - 1:2,500

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 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

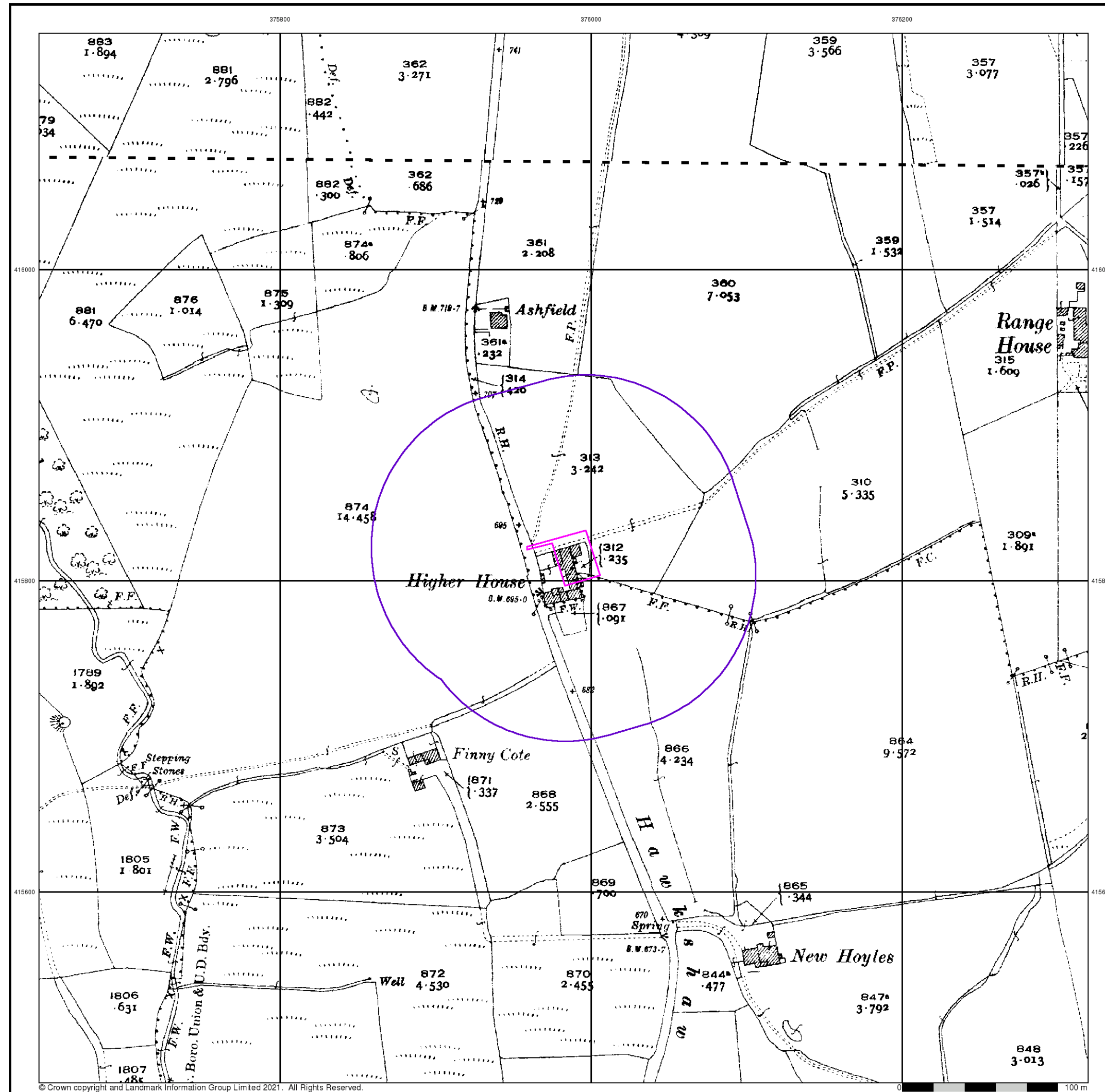
Order Number: 277083172_1_1
Customer Ref: BL8 4LB
National Grid Reference: 375980, 415820
Slice: A
Site Area (Ha): 0.08
Search Buffer (m): 100

Site Details

Higher House Farm, Hawkshaw Lane, Hawkshaw, BURY, BL8 4LB

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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)

079_11
1929
1:2,500

079_15
1929
1:2,500

Historical Map - Segment A13

A grid map showing the location of Segment A13 within a larger grid. The grid is labeled with letters A1 to A25 and numbers 1 to 25. Segment A13 is highlighted with a purple circle.

Order Details

Order Number:	277083172_1_1
Customer Ref:	BL8 4LB
National Grid Reference:	375980, 415820
Slice:	A
Site Area (Ha):	0.08
Search Buffer (m):	100

Site Details

Higher House Farm, Hawkshaw Lane, Hawkshaw, BURY, BL8 4LB

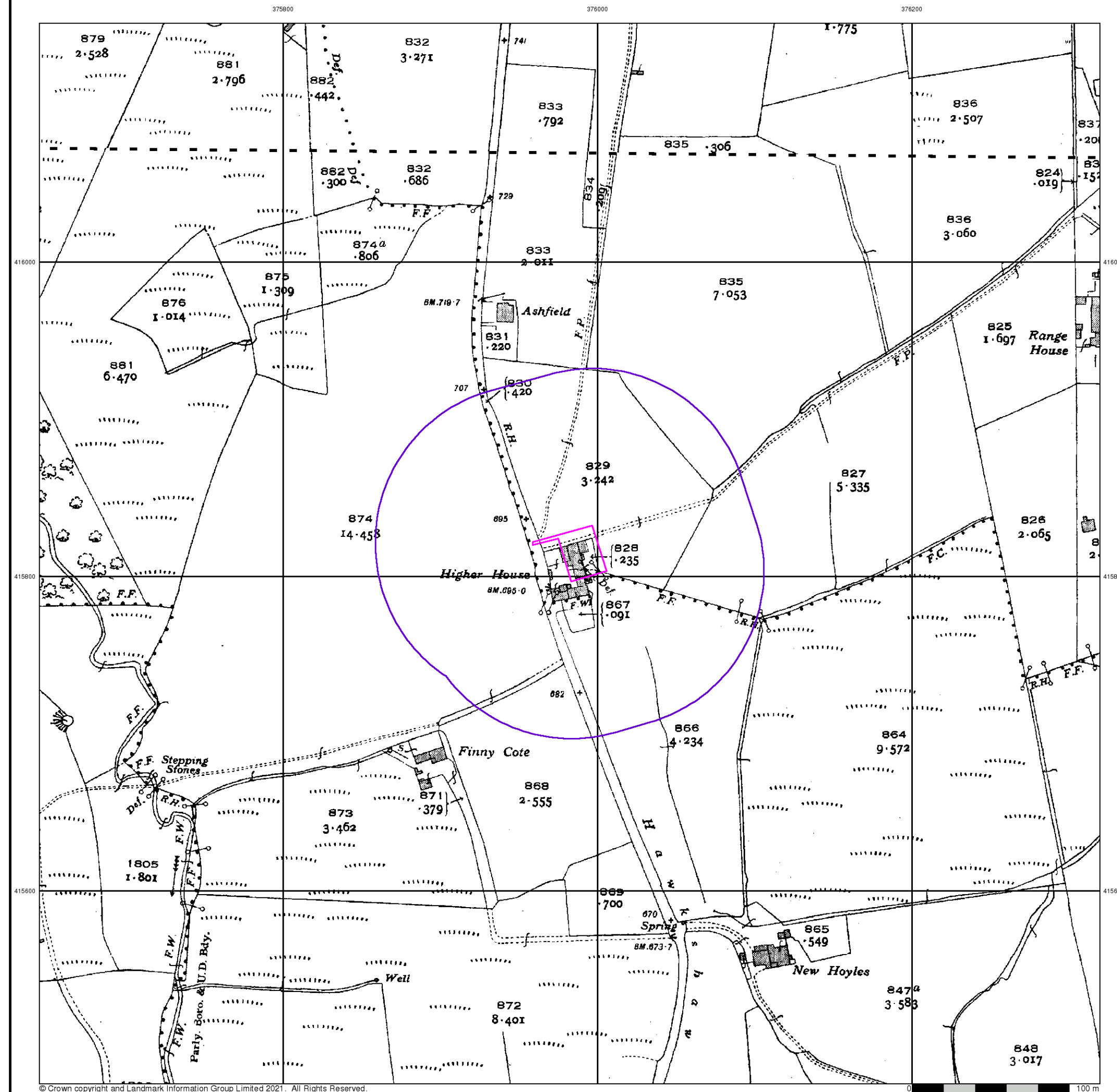
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Ordnance Survey Plan

Published 1964

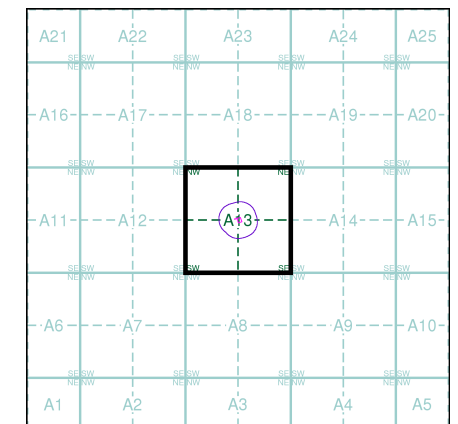
Source map scale - 1:2,500

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)

SD7516 1964 1:2,500	SD7616 1964 1:2,500
SD7515 1964 1:2,500	SD7615 1964 1:2,500

Historical Map - Segment A13

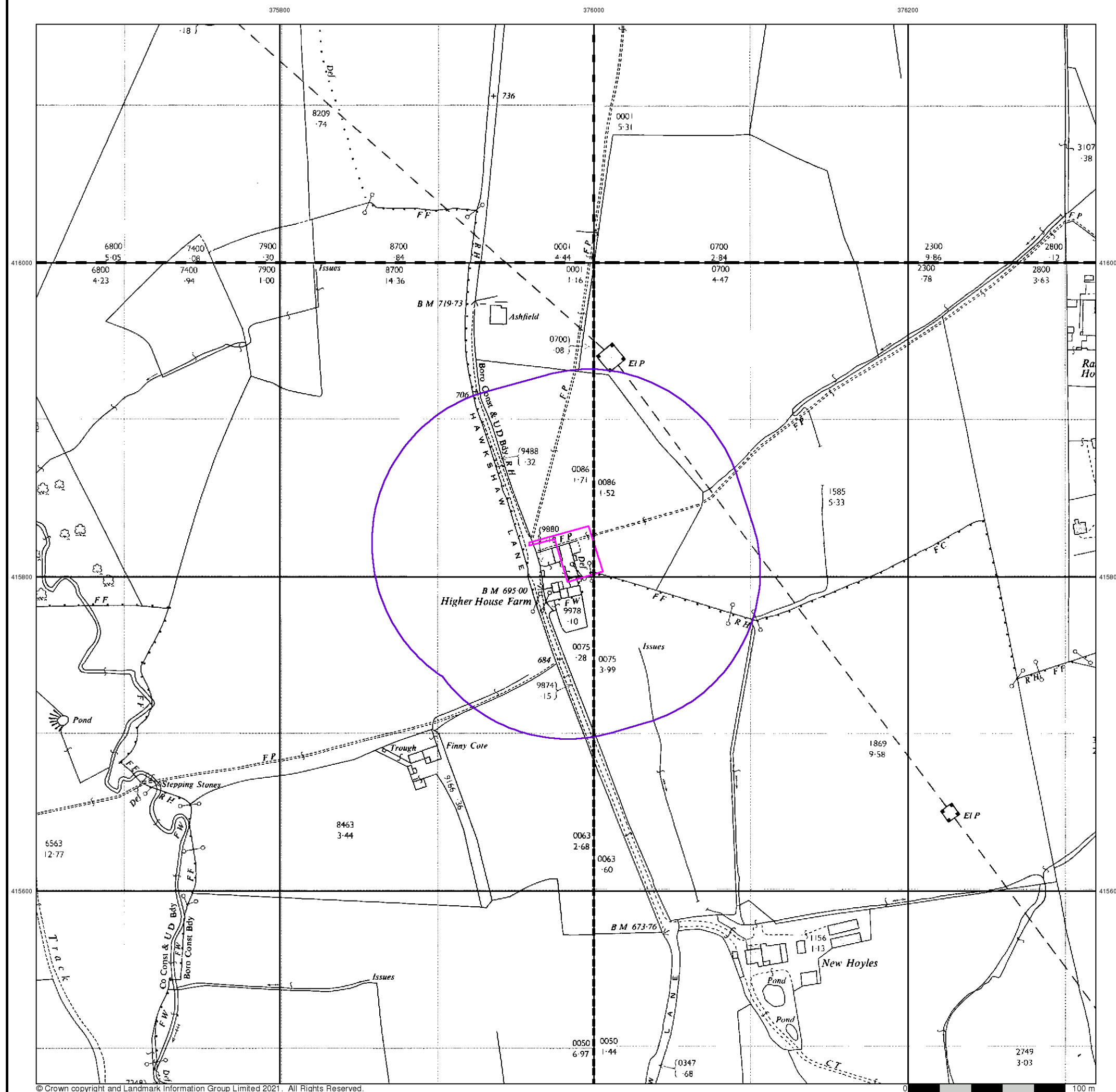


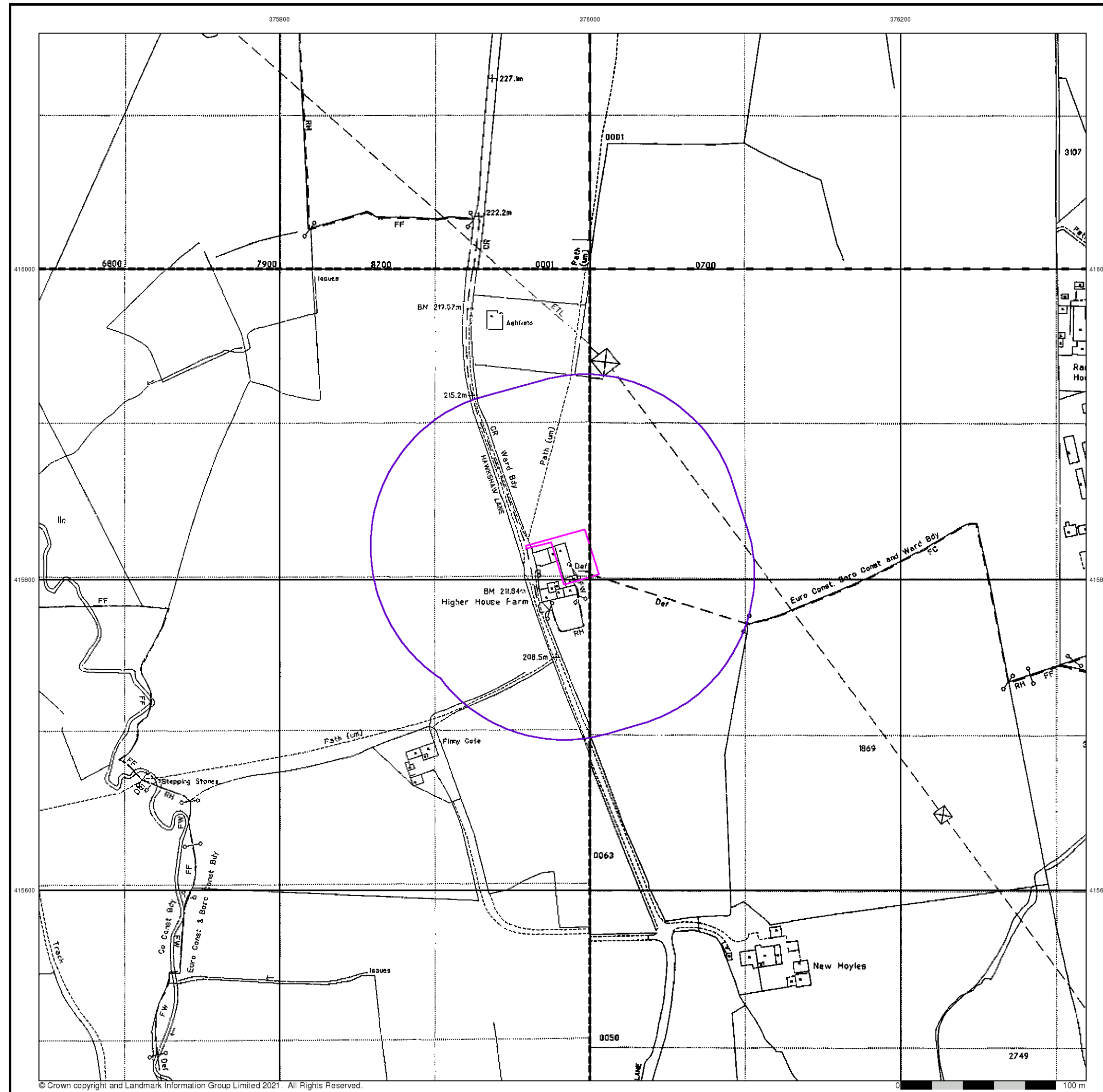
Order Details

Order Number: 277083172_1_1
 Customer Ref: BL8 4LB
 National Grid Reference: 375980, 415820
 Slice: A
 Site Area (Ha): 0.08
 Search Buffer (m): 100

Site Details

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Large-Scale National Grid Data

Published 1992

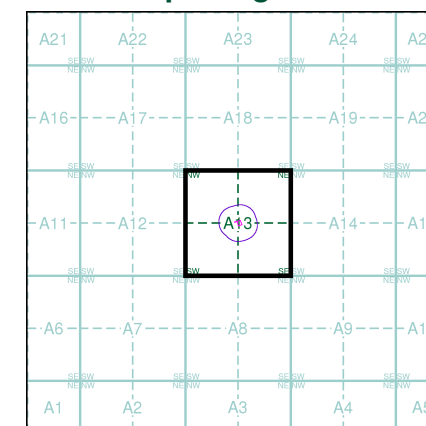
Source map scale - 1:2,500

'Large Scale National Grid Data' superseded SIM cards (Ordnance Survey's 'Survey of Information on Microfilm') in 1992, and continued to be produced until 1999. These maps were the fore-runners of digital mapping and so provide detailed information on houses and roads, but tend to show less topographic features such as vegetation. These maps were produced at both 1:2,500 and 1:1,250 scales.

Map Name(s) and Date(s)

SD7516	SD7616
1992	1992
12,500	12,500
SD7515	SD7615
1992	1992
12,500	12,500

Historical Map - Segment A13



Order Details

Order Number: 277083172_1_1
Customer Ref: BL8 4LB
National Grid Reference: 375980, 415820
Slice: A
Site Area (Ha): 0.08
Search Buffer (m): 100

Site Details

Higher House Farm, Hawkshaw Lane, Hawkshaw, BURY, BL8 4LB

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The site comprises a stables and store room, on a farm.

Potential contaminants: Heavy metals, Cyanide, Sulphates, Phenols, TPHs, Asbestos, Pesticide and PAHs.

Low to moderate risk to householders anticipated.

No risk to controlled waters expected.

No credible on or off-site landfill or ground gas sources.

No radon protection measures required.

HIGHER HOUSE FARM, 14 HAWKSHAW LANE, TOTTINGTON, BURY, BL8 4LB		WORMS EYE
Conceptual Model based on PRA		52 Bank Parade Burnley, BB11 1TS
Not to	05.05.2021	01282 414 649

