



Preliminary Land Quality Risk Assessment

Bold Forest Garden Village

St Helens Borough Council

Prepared by:

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Basis of Report

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1.0 Introduction

1.1 Appointment

SLR Consulting Limited (SLR) was appointed by St Helens Borough Council (the 'client') to provide a land quality assessment for the proposed residential development on land north of Gorsey Lane in Bold, St Helens (the 'site'). The site is bounded by Reginald Road, Bold Road, Travers Entry, Gorsey Lane, Crawford Street and Bold Road.

A site location plan is provided as Drawing 01, while the existing site layout is illustrated on Drawing 02 (Appendix A).

This document, a Preliminary Land Quality Risk Assessment (PLQRA), records the findings of a site walkover survey and presents desk study information with respect to the site's environmental setting, land use history and potential for contamination.

The report has been completed by SLR Consulting's Land Quality and Remediation team based at 3rd Floor, Summit House, 12 Red Lion Square, London, WC1R 4HQ.

1.2 Background

St Helens Borough Council as the Local Planning Authority (the 'council') are bringing forward a proposed masterplan for Bold Forest Garden Village (BFGV), which is a site allocation for a residential development in the Local Plan.

BFGV is a significant site allocation encompassing 132.86 ha, resulting in a potential development capacity of over 510 dwellings within the Local Plan period (up to 2037), and approximately 3,000 dwellings in total in accordance with Local Plan estimates. The site allocation is comprised of 15 land parcels, with 12 landowners as shown in Drawing 02. This report provides a land quality assessment of the combined landholding area as defined by the red line boundary on Drawing 02 in support of the masterplan process.

1.3 Objectives

This PLQRA aims to establish if there is evidence of significant subsurface contamination from past or present activities on or adjacent to the site which could pose unacceptable risks to the future site users and/or the environment.

The information obtained has been used to develop a preliminary conceptual model of potential risks to human and environmental receptors. The conceptual model examines the potential for contaminant-pathway-receptor linkages. The risks associated with the potential linkages are discussed and outline recommendations provided.

1.4 Scope of Work

The scope of work for the PLQRA comprises:

- Procurement and review of an environmental data report provided by Groundsure;
- Procurement of a Coal Authority report;
- Analysis of historical Ordnance Survey (OS) maps to establish the history of the site as well as past on and off site potentially contaminative activities;
- Review of published geological, hydrogeological, topographical and groundwater maps;
- Review the environmental setting of the site to determine groundwater vulnerability and presence of any environmentally sensitive adjacent sites or site users;



- Undertake internet searches to identify if there is any anecdotal information widely available relating to the history of the site;
- Review of the St Helens Borough Council planning portal to identify applications that may be relevant to the site and whether they have any associated contaminated land conditions;
- Undertake a walkover survey of the site to identify key site features to include topography, vegetation type/condition, specific site and surrounding land uses, key surface water features, and an inspection of buildings and drainage features, etc.

1.5 Data Sources

This report has been produced following consultation with the sources of information summarised in Table 1.

Table 1: Information Sources

Information Type	Source
Topography	Ordnance Survey (OS) mapping
Site Setting and History	GroundSure Enviro and GeoInsight Report EMS_984891_1248047, purchased 14 th November 2024 (Appendix B). GroundSure Historical Ordnance Survey Map Extracts EMS_984891_1248046, purchased 14 th November 2024 (Appendix C) Groundsure CON29M Official Coal Mining Search EMS_988590, purchased 2 nd December 2024 (Appendix D) Multi-Agency Geographic Information for the Countryside (MAGIC) website Google Earth St Helens Borough Council planning portal
Geology	British Geological Survey (BGS) website



2.0 Site Details, Setting and History

2.1 Site Vicinity Description

Table 2 summarises the property details. Information has been obtained from historical Ordnance Survey (OS) mapping and a site visit.

Table 2: Site Details

Address	Land north of Gorsey Lane, Bold, St Helens.	
Site Location	The site is located in an Agricultural area of Bold, south of St Helens, approximately 750m north of the M62.	
Site Description	The site is an irregular shape and covers an area of approximately (c.) 135 hectares comprising multiple fields / land parcels. No major structures are present on site. The boundaries of field parcels comprise hedgerows, bushes and trees. The site area comprises 15 land parcels under separate ownerships as shown on Drawing 02. Full details from the site walkover are provided in Section 3.	
Current Usage	The majority of the site is currently in agricultural use. Parcels 3 / 4 comprise horses, 11 and 12 comprises a wooded area, and parcel 15 is vacant scrubland.	
Land Uses Surrounding the Site	North	Reginald Road Industrial Estate and residential developments.
	East	Bold Industrial Park and further agricultural fields.
	South	Agricultural fields and Clock Face Country Park
	West	Residential developments and Recreation ground.

2.2 Physical Site Setting

A summary of the main physical features of the site are provided in Table 3 below. Information has been obtained from BGS mapping and data supplied by GroundSure (Appendix B).

Table 3: Physical Site Setting

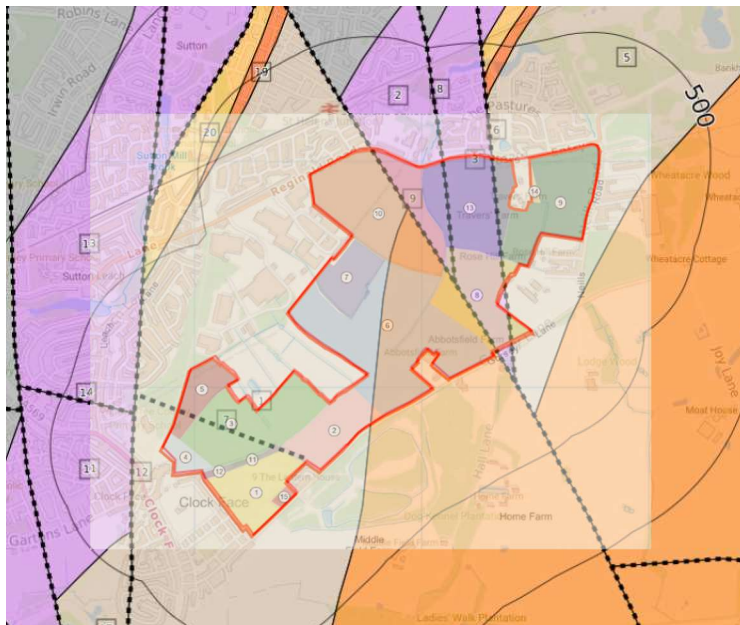
Physical Site Setting		
Geography and Geology	Elevation	The existing site level is between c.48m in the south west to c.32m Above Ordnance Datum (AOD) in the north east.
	Gradient	The site surface slopes down towards the north east.
	Made Ground	There are no records of Artificial / Made Ground on the site.
	Superficial Drift Geology	Superficial drift geology is recorded as Glacial Till underlying the site.
	Solid (Bedrock) Geology	The bedrock geology recorded beneath the site is recorded as Kinnerton Sandstone Formation covers the majority of the site in the west and the very east (Sandstone), Chester Formation in the north east (Sandstone) and the Etruria Formation in the south east



Physical Site Setting

(Mudstone, Sandstone and Conglomerate), as shown in Figure 1 below.

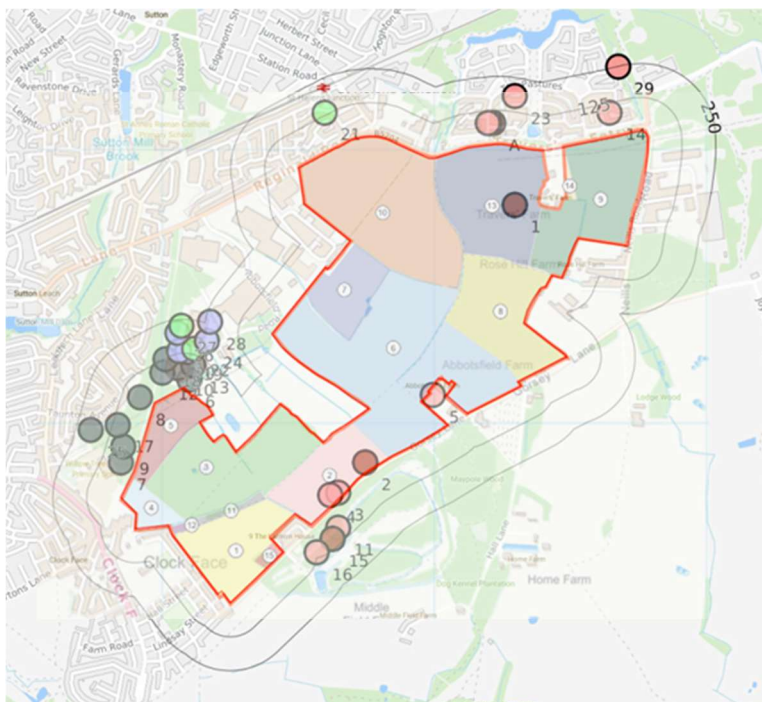
Figure 1 - Bedrock Geology (Groundsure Report)



Borehole Records

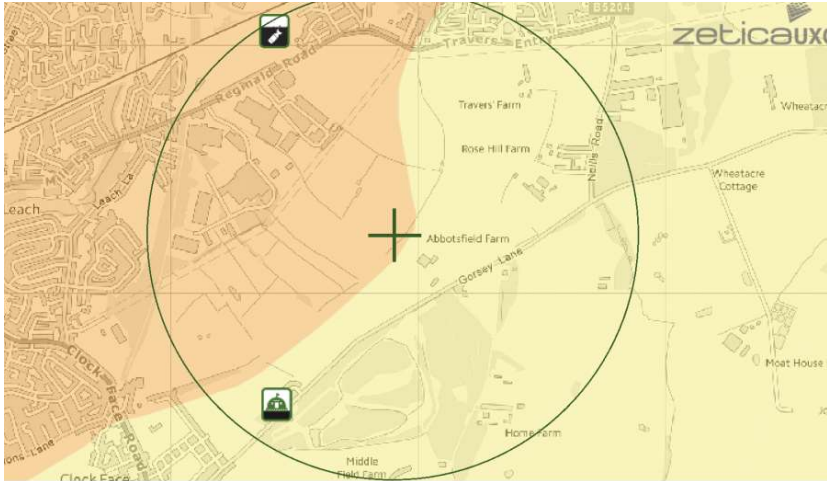
A total of five BGS boreholes are located on site (Parcels 13, 6 and 2) and a further 28 boreholes located approximately 250m from the site, shown in Figure 2 below.

Figure 2 - Borehole Record Locations



	The on-site boreholes record Glacial Till at surface level to basal depths ranging from 11.3 to 27.4m bgl with Sandstone directly underlying. Borehole records for the off-site surrounding area record groundwater between 2.8m to 17.5m bgl in cohesive material. No groundwater information was recorded on site.
Radon Gas	The site is not in a Radon Affected Area¹, as less than 1% of properties are above the Action Level. Therefore, radon protection measures are not necessary.
Mining, and Ground Stability Hazards	There are three records of BritPits within 500m of the site, the nearest “Clock Face Colliery” is located c.95m south of the site. There are 16 records of surface ground workings on site in Parcels 6, 7, 9, 10 and 13 the majority relating to ponds, as shown in Figure 3 below. There is a potential that the site was previously mined for vein mineral, however this is unlikely. Figure 3 - Mining and Ground Workings The site is within a coal mining reporting area however not within a development high risk area. Three mine shaft entries are recorded c.83m to the south of the site. The following natural ground hazard ratings are listed for the site: • Shrink-swell clays – Very Low • Landslides – Low • Soluble rocks – Negligible • Compressible deposits – Negligible • Collapsible deposits – Very Low • Running sands – Very Low



Physical Site Setting		
	UXO	The online Unexploded Ordnance (UXO) risk maps², produced by Zetica. The risk parcels are shown in Figure 4 below, orange parcels are moderate risk (north west) and yellow (south and east) are low risk. Figure 4 - Zetica UXO Risk Map 
Hydrology	Surface Water / River Network	Multiple field drains cross through the site, generally flowing towards the north and northeast. Multiple ponds are present, particularly in the central and southern parcels of the site. Sutton Mill Dam is present to the west of the site, c.430m.
	Flood Risk	Flood risk from surface water is considered to be high in localised discrete parcels across the site, predominantly in Parcels 2 and 9 as shown in Drawing 02. The GroundSure data indicates the site is not listed as being within a Zone 2 or Zone 3 floodplain. The site has been designated with a negligible Risk of Flooding from Rivers and the Sea (RoFRaS). Risk from groundwater flooding is considered to be Low.
	Surface Water Abstractions	There is one surface water abstraction recorded within approximately 460m north of the site relating to spray irrigation.

² [Risk Maps | Zetica UXO](#)



Physical Site Setting		
Hydrogeology	Aquifer	The superficial Glacial Till underlying the site is designated as a secondary Undifferentiated aquifer. The underlying bedrock is designated as follows: • Kinnerton Sandstone Formation in the west and very east of the site is a Principal aquifer, • Chester Formation in the north east is designated as a Principal aquifer and • Etruria Formation (Mudstone, Sandstone and Conglomerate) in the south east has been designated as a Secondary A aquifer.
	Groundwater Abstractions	There are two groundwater abstraction licenses within 1km of the site. The nearest relating to process water approximately 926m north east of the site. There are no potable abstractions within 2km of the site.
	Source Protection Zones	Parcels 2,3 and 6 to 10 on the site, as shown on Drawing 2, are within Source Protection Zone 3 (SPZ3) associated with the underlying Principal aquifers of the Kinnerton and Chester Sandstones.

2.3 Environmental Search Data

GroundSure information is provided in Appendix B. A summary of the search information is provided below:

- **Historical Industrial Sites** – There are 18 records of historical potentially contaminative land uses on site. Consisting of disused rifle butt (parcel 10), unspecified ground workings and heap, cuttings, railway sidings (parcel 5) at the border.
- **Historical Tanks** – There are no historical tanks recorded on site. There are 100 records of historical tanks within 500m, the nearest c.3m south west present 1893 to 1937 recorded as an unspecified tank.
- **Historical Energy Features** – There are no records on site and 45 within 500m. The nearest is c.6m south west recorded as an electricity substation.
- **Historical Petrol Stations** – There are no records within 500m.
- **Historical Garages** – There are 11 records within 500m of the site, the nearest relating to a Car Breakers Yard c.53m north west of the site present on mapping dated 1989.
- **Waste and Landfill Sites** – There are no records of active or recent landfill or waste sites on site. There are 13 records of historical landfills within 500m of the site, the nearest c.133m north of the site, Bold Power station, Liquid sludge. There are two historical waste sites bordering the south west of parcel 10, relating to waste transfer of non hazardous material. There are licensed waste sites on the border of parcel 10 relating to a special waste transfer station. There are two records of waste exemptions on site relating to storage of sludge in parcels 1 and 13.
- **Current Industrial Sites** – There are five records of current industrial uses on site relating to pylons and a further 88 records within 250m. The nearest off-site record relates to an industrial park in the north, industrial engineers c.6m north west of the site.



- **Current Petrol and Fuel Sites** – There are two records of petrol stations within 500m of the site. The petrol stations are located c.326m and 497m north of the site respectively are noted to be obsolete.
- **Environmental Permits** – There are no records of environmental permits or authorisations within 250m of the site.
- **Contaminated Land** – The site is not determined as contaminated land however there is one site determined as contaminated land approximately 426m north of the site, described as a disused colliery spoil heap from the Bold Colliery and Power Station.
- **Licensed Discharge Consents** – There are 14 records within 500m and one on-site record relating to miscellaneous emergency discharges in the east of the site, effective from 1995 to 2004.
- **Licensed pollutant release** – There are seven records of licensed pollutant releases within 500m of the site the closest relating to a historical waste oil burner at Caremore Travel and Cars Ltd, 62m north west of the site.
- **EA Recorded Pollution Incidents** – There are 26 records of pollution incidents within 500m of the site. The closest being c.24m south east, the pollutant was described as inert materials and wastes, the incident was classified as category 3 – minor impact to land. It occurred in 2002.
- **Radioactive Substance Authorisation** – There is one record of radioactive substance authorisation on the boarder of the south of parcel 6, recorded as disposal of radioactive waste from “Iras Ltd” to the eastern border of Abbotsfield Farm, revoked/cancelled in 2015.
- **Designated Environmentally Sensitive Sites** – There is one record of a local nature reserve c.497m northeast of the site. A local wildlife site is located within the north western area of the site. There is one record of green belt on the border of the south and east of the site, Merseyside and Greater Manchester Green Belt.

2.4 Site History

2.4.1 Review of OS Mapping

The following section presents a summary of the history of the site and its surrounds from a review of historic OS map extracts and aerial images. The age and general type of activity and land use can often be determined from the type and layout of structures depicted on the maps and aerial images. However, specific elements of site operations cannot normally be determined from such extracts. Large scale (1:2,500 and 1:10,560) historical map extracts were reviewed for selected years between 1849 and 2024, shown in Appendix C. A summary of the findings is given in Table 4.

Table 4: Summary of Site History

Map Dates	Description
1840s	On-site: The site is an open field used for agriculture with a single track across the site. Sutton Farm is present in the north west of the site. Some small buildings are present along the south eastern boarder of the site (parcels 2 and 15). Multiple ponds are present on site. Site Vicinity: The St Helens railway line is present at the western boundary of the site in a north south direction. The Liverpool & Manchester railway line is present approximately 100m north of the site in an east west direction. Sutton Mill Dam is present approximately 250m to the west of the site.



Map Dates	Description
1890s	On-site: A “Rifle butt” is mapped in the north east of the site (parcel 10), the remainder of the site remains unchanged. Site Vicinity: A “Sheeting works” is present 150m north of the site along with a Manure works. Bold colliery is present 400m north east of the site. “Bold iron works” is present on the eastern boundary of the site comprising a series of buildings.
1900s	On-site: No significant changes. The “Rifle butt” label has been removed, however an area of disturbed ground is shown to be present. Site Vicinity: Clock Face colliery is present at the southern boundary of the site, two shafts are present c.83m to south of the site, a railway line connects to the St Helens railway line which runs along the western site boundary. A tank is present on the western border adjacent to the railway. Bold Colliery has expanded 250m north away from the site. Manure works now recorded as a glass works.
1920s	On-site: No significant changes. Site Vicinity: Residential development, school and a sports ground is present at the south western boundary of the site. The clock face colliery has expanded.
1930s	On-site: No significant changes. Site Vicinity: No significant changes. Some residential developments are now present in adjacent parcels to the site. A building connecting to Clock Face Colliery has been developed now closer to parcel 1 on site. The Colliery has further expanded. Bold iron works has expanded.
1960s	On-site: No significant changes. Some buildings, associated with French fields on the southern border, have been redeveloped. The disturbed area of ground associated with the former “Rifle butt” is not shown to be present. Site Vicinity: No significant changes. Majority of works in the north have been demolished, and residential buildings have been developed. The Sheeting Works is still present 150m north of the site. Bold Power Station was developed at the north eastern boundary of the site. Bold colliery has expanded 150m north of the site. Bold iron works has expanded.
1970s	On-site: Sutton Farm in the north west of the site is no longer present. There are no further changes on-site at this time. Site Vicinity: More industrial works have been developed to the north west of the site.
1980s	On-site: No significant changes. Some buildings on the southern site boundary have been demolished. Works in the north west have been labelled as an industrial estate. Site Vicinity: The Clock Face Colliery at the southern site boundary has been demolished, along with associated shafts now labelled disused. A “works” building is mapped on the south west border of the site, along with an electrical substation. The east of the clock face colliery is now labelled as a tip. Land to the north east of Bold colliery (c.400m north east of the site) is now labelled as a tip.
1990s	On-site: No significant changes. Site Vicinity: The St Helens railway adjacent to the west of the site has been dismantled.
2000s	On-site: No significant changes. Site Vicinity: No significant changes. Residential estate is developed to the north east of the site.
2010s	On-site: No significant changes.



Map Dates	Description
	Site Vicinity: No significant changes. New residential estate is developed to the north east border of the site. Clock Face Colliery which was present to the south of the site until the 1980s has been developed into a country park. Bold Colliery has been redeveloped and is mapped as Bold business centre and country park.
2020s	On-site: No significant changes. Site Vicinity: Works building to the south east of the site has been redeveloped to residential houses.

2.4.2 Review of Aerial Imagery

Aerial imagery is available from 1985 however this image is not clear, images appear more frequently from 2000 onwards on Google Earth. The site remains unchanged on mapping and aerial imagery from 2000 onwards where agricultural fields are solely present on site.

2.4.3 Summary

The first available historical maps (1849) indicate that the site comprised open fields used for agriculture. The site the majority remains in use for agricultural purposes to present day.

Off-site, the St Helens railway line passed along the western border of the site from initial mapping until the late 1990s. A further railway line was present 200m from the north of the site. Industrial works were previously present to the north of the site from 100m and further north from the 1880s, works consisted of sheeting in the east and iron west. A localised area labelled as a rifle butt was shown in the southeast corner of parcel 10 on the 1892 mapping, and subsequently shown as a disturbed area of ground until 1956 mapping. On the 1965 map it is not shown to be present.

Clock Face colliery at the southern boundary of the site with two shafts present from 1900s mapping to 1980s. An additional colliery, Bold colliery, was present 1890s, 400m from the north east of the site, until 1980s.

2.5 Planning Applications

St Helens Borough Council planning portal was accessed on 30th October 2024 for the review of planning applications on the site. No relevant on-site planning applications were identified during the search. However, planning application, C/2024/0114/CON, relating to an adjacent site to the north west records a phase one report, site investigation and phase 2 report. Details of this are further mentioned in Section 3.0.

2.6 Contaminated Land Officer Response

SLR requested information from St Helens Borough Council on 30th October 2024, and a response was received on 25th November 2024. The information from the council is provided in Appendix E and summarised below:

- The council is not aware of the presence on any tanks within the search area.
- No records of any known pollution incidents.
- No inspections or investigations under Part 2A or determinations have been made.
- Abbotsfield Road Industrial Estate historically operated as a chemical weapons research facility. This operated during the first and second world wars and during the second world war was the sole manufacturer of mustard gas. Nerve agents were also developed. Location of the historical manure works, adjacent to parcels 10 and 7. In



1915 the area was developed into UK Chemical Products company, the land was then offered for sale in 1957 to a general engineering and warehousing development.

- Land to the south west of the Frenchfields Crescent estate in the southeast of the site (immediately south west of the electricity substation) was used for the temporary deposit and storage of soils and materials arising from the redevelopment of the site prior to its removal.

2.7 Consultants Coal Mining Report

A Coal Mining Report (CON29M) is provided in Appendix D. A summary of the search information is provided below:

- Past/Present/Future underground coal mining: the property lies within the potential zone of influence of recorded workings in 12 seams of coal. The most recent underground working in the area was 1982. These workings lie between 325m and 950m. Any ground movement due to this coal mining activity should have stopped. The site does not lie within a boundary of present or future coal mining.
- Mine entries: none identified on site or within 20m of the boundary (shaft associated with clock face colliery recorded c.83m south).
- Coal mining geology: no damage arising from geological faults or other lines of weakness activated by coal mining are recorded within the site.
- Past/Present/Future opencast coal mining: the site does not lie within a boundary of an opencast site from which coal was removed by opencast methods / 200m of current opencast / 800m of future opencast.
- Coal mining subsidence claims: a subsidence claim was reported 8m from the site at Land at Moathouse Farm, Gorsey Lane with the status rejected in June 1997
- Mine gas emissions: none identified on site.
- Emergency call out incidents: none recorded against the site.
- Withdrawal of support: the site lies within an area where a notice of entitlement to withdraw support has been published. Notices were issued in 1944, 1945, 1947, 1976. The property does not lie within a geographical area in which a revocation notice has been given under section 41 of the coal industry act 1994.
- Working facilities orders: the site is not in an area where a court order has been issued.
- Payments to copyhold owners: the site does not lie within former copyholder land.
- Cheshire Brine: not identified on site.



3.0 Previous Assessment Work

There has been previous land quality desk based assessments and site investigations which have been undertaken on or adjacent to the site which are detailed in Table 5 below.

Table 5 - Summary of Previous Assessments

Date	Report Title	Author	Location
March 2024	Land at Gorsey Lane, Phase 1 Geoenvironmental Site Assessment. Ref: 17-327-R1-1	E3P	On site (Parcels 1 to 15)
April 2024	Gorsey Lane Site and Northfield Riding Centre, Phase 1 Desktop Study. Ref: 4749-ROC-ZZ-XX-RP-ES-P1-101	RoC Consulting	On site (Parcels 8)
May 2024	Abbotsfield Road, Phase 1 Preliminary Risk Assessment. Ref: LKC 24 1189 (off site)	LK Group	Off site
June 2024	Abbotsfield Road, Phase 2 Geo-Environmental Investigation, Risk Assessment and Outline Remediation Strategy. Ref: LKC 24 1189 (off site)	LK Group	Off site
June 2024	Forest Garden Village, Bold, Saint Helens, Technical Note. Ref: 33313520900	Stantec	On site (Parcels 9, 13, 14)

The documents above have been reviewed and summarised in the sections below.

3.1 Land at Gorsey Lane, Phase 1

Phase 1 Geoenvironmental Site Assessment, E3P, March 2024

A phase one geoenvironmental site assessment was undertaken on the entire site area (Drawing 02) in March 2024 by E3P. The reports Conceptual Site Model (CSM) identifies potential sources to be:

On site:

- The infilling of ponds and field boundaries have potential to be a source of hazardous ground gases from any organic materials or Made Ground deposits.
- The demolition of historical buildings may generate Made Ground which may be a potential source of heavy metals, PAHs, TPHs and asbestos.
- Potential for ground gas from historic mine workings.

Off site:

- Potential for ground gas from historic mine workings.
- The industrial estate and chemical weapons research establishment to the north may be a potential source of hydrocarbons and VOCs.

The CSM concluded the site may be a low to medium risk to human health from Made Ground, a medium risk to groundwater from Made Ground and low risk from ground gases. It was concluded industrial activities were a low risk to human health but moderate risk to groundwaters.

A site investigation was recommended to further investigate the quality and composition of the site soils.



3.2 Gorsey Lane Site and Northfield Riding Centre, Phase 1

Phase 1 Desktop Study, RoC Consulting, April 2024

A phase one desk study report was undertaken on parcel 8 (Drawing 02) in April 2024 by RoC Consulting. The reports CSM identified potential sources to be:

- On site Made Ground associated with infilled ponds and historic development and associated ground gas contamination risks.

All potential off site sources (Bold St Works, nearby industrial estates, Clock Face Colliery etc) were deemed to be located too far from the study site to pose as a potential risk to the site.

The CSM concluded the site may be a moderate risk to human health of construction workers with potential localised source of heavy metals, PAHs, asbestos and hydrocarbon contamination in parcels of former development and infilled former ponds. The risk to controlled waters was considered low due to underlying low permeability Glacial Till. Risks from ground gas was also considered as moderate.

A site investigation was recommended to further investigate the quality and composition of the site soils.

3.3 Abbotsfield Road, Phase 1

Phase 1 Preliminary Risk Assessment, LK Group, May 2024 – Off Site

A phase 1 desk study report was undertaken on a site adjacent to the north west of the site at east of Abbotsfield road to the south of 151 Products, St Helens', reported to be used as a car park. Abbots field road site is south of Sutton Oak Chemical Defence Research Establishment (CDRE) by approximately 40m.

The reports Conceptual Site Model (CSM) identified potential sources to be:

- On site Made Ground;
- Off site potentially infilled features.

The Sutton Oak CDRE was not considered a significant contaminant source within influencing distance of the site.

The report recommended a phase 2 investigation to be carried out to further investigate potential sources.

3.4 Abbotsfield Road, Phase 2

Geo-Environmental Investigation, Risk Assessment and Outline Remediation Strategy, LK Group, June 2024 – Off Site

The phase 2 report suggested in the above section 3.3 at the Abbotsfield road site (adjacent to the north west of the site) was undertaken in May 2024 and consisted of five window sample boreholes drilled at a maximum depth of 5.45m bgl with installation of monitoring wells.

Ground conditions encountered granular Made Ground of sub base material to a maximum depth of 0.5m bgl. Natural Strata comprised gravelly sandy clay, bedrock was not encountered. No visual or olfactory contamination was identified. Groundwater strikes were recorded at 3.0m bgl during the investigation.



Laboratory analysis did not record any elevated concentrations of the contaminants tested within soil samples or groundwater samples. No asbestos was identified in any soil samples analysed. Gas risk assessment concluded a low risk with no further action required.

3.5 Forest Garden Village, Bold, Saint Helens, Technical Note

Technical Note, Stantec, June 2024

A technical note was undertaken on the field in Parcels 9, 13, 14 in the north eastern area of the site (Drawing 02) in June 2024, by Stantec. The ground conditions section of the report (section 5.0), identified parcels with potential for generating contamination or ground gas due to the presence of potential off site sources comprising:

- Railway yards, collieries, scrap yards and engineering works;
- Heavy industry, non-hazardous landfills;
- Hazardous waste landfills, gas works and chemical works.

The report recommended a phase 1 ground condition assessment and preliminary risk assessment be undertaken, followed by a preliminary ground investigation. The report states that the site is located within a minerals resource area for clay and surface coal, in accordance with the St Helens Local Plan, therefore further discussions with the Mineral Planning Authority would be required to determine the extent of any minerals safeguarding parcels and the production of a minerals resource assessment may be required.



4.0 Walkover Inspection

4.1 Summary

A site visit was undertaken on 3rd December 2024 comprising a walkover of the external parcels and immediate surrounds. A site layout plan is provided as Drawing 02 in Appendix A with photographs taken during the walkover contained in Appendix F.

In summary, the site comprises multiple agricultural fields. The site can be accessed from various gates or breaks in hedges along Gorsey Lane, Neils Road, the B5204, Tunstall's Way and Lindsay Street surrounding the site.

4.2 Structures

No structures are present on site, except low-level fencing around field boundaries on the site and small stables and paddocks of wooden construction in various parcels.

4.3 External Parcels

The site generally slopes down from the south west to the north east corner. The site consists of multiple agricultural fields separated by hedges, fences and drains. The fields are used for growing crops, grazing livestock or keeping horses. Several parcels across the site are being used to store hay and feed. An area in the south west was being used to store soils and manure in stockpiles.

4.4 Utility Services

No signs of below ground utility services were identified during the site walkover. A pylon is present in field parcel 13, with overhead cables travelling in a north south direction, also passing over parcel 8. Pylons are also present in parcel 9 travelling in a west to east direction. Overhead cables also pass over the northern boundary of parcel 5.

4.5 Bulk Storage Tanks

There is no evidence of above or below ground tanks on site or any small-scale storage of maintenance fluids, paints and fuel (jerry cans).

4.6 Waste

Residential properties located on Lindsay Street along a portion of the southwest boundary of the site have had rear back garden parcels extended, such that there is encroachment into the site area. The strip of land generally comprises residential leisure activity uses.

This area was noted to comprise parcels of general household waste as well as evidence of bonfires (burnt ground and materials) and informal vehicle parking.

4.7 Site Surrounds Inspection

Generally, the surrounds comprise commercial and residential buildings north, east and west, with agricultural fields and country park in the south.



5.0 Outline Conceptual Model and Preliminary Risk Assessment

5.1 Preliminary Land Quality Risk Assessment

5.1.1 Approach

In accordance with the Environment Agency regulatory procedure for assessing the significance of potential land contamination exposure risks as documented within Land Contamination: Risk Management (LCRM), potential contaminants, pathways and receptors should be considered within the context of contaminant or pollutant linkages. An evaluation of the risks associated with each linkage should drive decisions regarding the status of the land as contaminated and requiring remediation, uncontaminated or requiring further investigation. SLR's approach to PLQRA including the regulatory context is included as Appendix G Where the PLQRA indicates a low or negligible risk, no further investigation is recommended.

The information summarised in the previous sections has been used to identify the likely contaminant sources, receptors and pathways present at the site. The elements of the preliminary conceptual site model have been used to consider the potential pollutant linkages (PPL), their significance and acceptability.

5.1.2 Assumptions

When identifying the PPLs relevant to this site, SLR has considered:

- The end use of the site as a residential development with some public open space;
- At the time of the assessment the site comprised of predominantly of undeveloped agricultural fields, with associated localised parcels of farm buildings/structures;
- From the earliest mapping, the site has predominantly remained unchanged agricultural land, ponds present on historical mapping have been infilled; a disused rifle butt had been recorded in the south east corner of parcels 10;
- The St Helens railway line was previously present along the western border of the site until the 1990s before being dismantled;
- Sheeting and iron works were present near the east and west of the site;
- Clock face colliery was present from 1900s until 1980s beyond the southern boundary of the site before being redeveloped as a country park;
- Superficial geology is recorded as Glacial Till underlying the site, designated as a Secondary undifferentiated aquifer.
- The underlying bedrock Kinnerton Sandstone Formation in the west is designated as a Principal aquifer, Chester Formation in the north east is designated as a Principal aquifer and the Etruria Formation (Mudstone, Sandstone and Conglomerate) has been designated as a Secondary A aquifer.
- The site is listed as being within a Source Protection Zone (SPZ) 3 in Parcels 2, 3, 6, 7, 8, 9 and 10.
- Multiple surface water field drains are present that cross the site.
- The majority of the site is not at risk of flooding.
- There is a negligible to very low risk from ground stability hazards on site.
- The site does not require radon protection measures.



5.1.3 Sources

UK contaminated land statutory guidance³, defines a Contaminant as:

“a substance which is in, on or under the land and which has the potential to cause significant harm to a relevant receptor, or to cause significant pollution of Controlled Waters”.

The information summarised within this report has been used to identify potential contaminant sources either within or near the site boundary.

Whilst the historical maps show limited evidence of potentially significant contaminative land use within or near the site boundary it should be recognised that agricultural land use may result in land contamination. Contamination from such use may occur from a number of activities and include, for example, usage of pesticides and fertilizers, small spillages and leakages of fuel or oil from farming activities and deposition of waste materials in or onto land.

The potential sources of contamination that have been identified within or near the site boundary:

On Site:

- Source 1 – Potential for Made Ground in localised parcels on the site from demolished farm buildings (whole site area).
- Source 2 - Farming related activities (usage of pesticides and fertilizers, small spillages and leakages of fuel or oil) (whole site area).
- Source 3 - Unrecorded parcels of deposition of farm related waste materials in or onto land, infilled localised surface depressions (ponds etc) or placement of crushed building material onto tracks and roadways (construction and demolition material) (whole site area).
- Source 4 - Natural potential sources of contamination – ground gas (whole site area).
- Source 5 – Isolated location of former rifle butt, which could include elevated parcels of metals, associated shooting residues and live ammunition (parcel 10).

Off site:

- Source 6 - Railway lines adjacent to the boundary of the site (historical release of oils, greases, fuels and potentially other contaminants within ash and asbestos)
- Source 7 - Off site uses including Clock Face Colliery beyond the southern boundary of the site.
- Source 8 – Off site historical works – Bold Iron works, Chemical weapons research facility.
- Source 9 - Historic landfill, c.131 north of the site.

In addition, although unlikely given the site's history and there is potential for:

- Source 10 – as yet unidentified contamination source(s).

5.1.4 Pathways

UK contaminated land statutory guidance defines a Pathway as:

“a route by which a receptor is or might be affected by a contaminant”.

³ DEFRA; 2012; EPA 1990: Part2A, Contaminated Land Statutory Guidance, PB13735; April 2012



Following an assessment of the environmental and geological setting of the site and considering the land use, it is considered that a number of potential pathways for contaminant impact could exist, which include:

- Direct contact and ingestion from contaminated ground;
- Inhalation of contaminated dusts and ground gas / vapours;
- Degradation of buried concrete due to aggressive ground conditions;
- Leaching of contaminants and vertical migration in the vadose zone; and
- Vertical and lateral migration of contaminants to surface water, and within, groundwater.

5.1.5 Receptors

UK contaminated land statutory guidance defines a Receptor as:

“something that could be adversely affected by a contaminant, for example a person, an organism, an ecosystem, property, or Controlled Waters.”

Under the proposed anaerobic digestion plant end use, the following potentially sensitive receptors have been identified:

- Human health: Proposed construction workers, future residential site users, adjacent residential site users.
- Property: Potential future buildings, utilities and services.
- Surface Water: Ponds and drains present on site.
- Groundwater: Principal aquifer of Kinnerton Sandstone Formation and Chester Formation underlying the site.



Table 6: Preliminary Conceptual Site Model & Risk Assessment

Source	Pathway	Receptor	Consequence	Likelihood	Risk
S1 – Potential Made Ground S2 – Farming related activities S3 – Unrecorded buried waste / infilled ground S4 – Ground gas S5 – Railway S6 – Former rifle butt	P1 – Direct contact, ingestion or inhalation of contaminated soils and soil dust P2 - Soil gas migration and accumulation of vapours from localised fuel spills / leaks, contaminated made ground, ground gas via permeable geological stratum	R1 – Human Health (construction workers)	Health Impact Low/Medium	Low	Low Risk The contents of potential parcels of Made Ground are unknown. There may be parcels of impact through farm related activities and the unrecorded deposition of farm related wastes (for example infilling of surface depressions and ponds with waste material). The area around the former railway may contain contaminants from the historical use of the line. During redevelopment construction workers will follow a detailed method statement, which would involve dust suppression methods and appropriate PPE for the works which would mitigate against potential worker exposure. This will be subject to a ground investigation undertaken prior to development to confirm baseline contaminant / ground conditions within specific targeted parcels at the site. A watching brief will be required across the site as the enabling works progress and any unexpected contamination dealt with accordingly. There may be a potential health and safety risk associated with live ammunition in the former rifle butt area that will need to be assessed prior to development.
S1 – Potential Made Ground S2 – Farming related activities S3 – Unrecorded buried waste / infilled ground S4 – Ground gas	P1 – Direct contact, ingestion or inhalation of contaminated soils and soil dust P2 - Soil gas migration and accumulation of vapours from localised fuel spills / leaks, contaminated made ground,	R2 - Human Health (future on-site commercial, residential site users)	Health Impact Low/Medium	Negligible - Low	Low Risk The contents of potential parcels of Made Ground are unknown. There may be other parcels of impact through farm related activities and the unrecorded deposition of farm related wastes (for example infilling of surface depressions and ponds with waste material). The area around the former railway may contain contaminants from the historical use of the infrastructure. Future site users would have a negligible to low risk coming in contact with contaminated soils as: There is no indication from the desk based review that there is the potential for significant sources of contamination to be



Source	Pathway	Receptor	Consequence	Likelihood	Risk
S5 – Former rifle butt S6 – Railway S7 – Off-site Clock face colliery S8 – Off-site Historical works S9 - Historic landfill, c.131m west of site	ground gas via permeable geological stratum P3 – Infiltration and leaching of contaminants to groundwater.				present that cannot be dealt with through further investigation/assessment; - Potential contaminated soils would be identified and removed during construction phase; - The presence of hardstanding across the development will form a physical barrier between the soil and future site users. - Soil cover systems will be suitable for their proposed use within residential settings as part of design scheme requirements. The above conclusions are subject to the findings of ground investigation prior to development to confirm baseline contaminant / ground conditions within specific targeted parcels at the site. A watching brief will be required across the site during the enabling works progress and any unexpected contamination dealt with accordingly. The ground investigation will also need to include consideration for risk assessment and mitigation design of potential ground gas. The potential for vapour and ground gas migration from the historical landfill are considered unlikely due to their distance from the site. There may be a potential health and safety risk associated with live ammunition in the former rifle butt area that will need to be assessed prior to development.
S1 – Potential Made Ground S2 – Farming related activities S3 – Unrecorded buried waste / infilled ground	P1 – Direct contact, ingestion or inhalation of contaminated soils and soil dust P2 - Soil gas migration and accumulation of vapours from localised fuel spills /	R3 – Human Health (off-site commercial, residential and leisure/ amenity users)	Health Impact -Low/Medium	Negligible -Low	Negligible The closest site users are residential receptors located at Lindsay Street and at Frenchfields Crescent immediately west and south of the site boundary. Development would involve excavating and disturbing near surface soils, which in turn could generate dust and increase airborne exposure risk to neighbours. Contaminants could be present in near surface soils which could be mobilised and transported via surface water and groundwater. During redevelopment construction workers will follow a detailed method statement, which would involve dust suppression



Source	Pathway	Receptor	Consequence	Likelihood	Risk
	leaks and contaminated				methods to would minimise potential for airborne release of dust particulates. This will be subject to a ground investigation undertaken prior to development to confirm baseline contaminant / ground conditions at the site. A watching brief will be required across the site during the enabling works progress and any unexpected contamination dealt with accordingly. There is no indication from desk based sources that there is the potential for significant sources of contamination to be present that would impact on off-site receptors that cannot be dealt with through further investigation/assessment.
S1 – Potential Made Ground S2 – Farming related activities S6 – Clock face colliery. S7 – Historical works S8 - Historic landfill, c.131m west of site	P3 – Infiltration and leaching of contaminants to groundwater. P4 – Vertical and lateral migration of contaminants in groundwater	R4 – Controlled Waters (surface water, groundwater)	Controlled Water Impact -Low/Medium	Negligible -Low	Negligible – Low Risk The site predominantly comprises undeveloped agricultural land and therefore the potential for significant parcels of potential contamination are low. Whilst it is possible there may be localised impacts associated with Made Ground and farming related activities and deposition of waste there is no indication from desk based sources that these are currently significantly impacting on surface water or groundwater receptors. However, such conclusions are subject to the findings of ground investigation prior to development to confirm baseline contaminant / ground conditions within specific targeted parcels at the site. A watching brief will be required across the site during the enabling works progress and any unexpected contamination dealt with accordingly. The potential for encountering contamination will need to consider the protection of the water environment and prevent mobilisation into such water bodies. This will need to include prevention of silt and sediment from entering surface waters during earthworks/construction phase.



6.0 Further investigation and Assessment

6.1 Summary

The site comprises predominantly undeveloped agricultural land, with associated localised parcels of farm buildings and access tracks.

Potential on-site sources of contamination were identified to comprise, potential Made Ground around demolished farm buildings, farming related activities (use of pesticides and fertilisers, spillages and leaks of fuels and oils) and unrecorded parcels of buried farm waste or use of waste materials to fill in localised surface depressions and ponds or other uses such as farm tracks and roadways. The railway line that previously present adjacent to the western boundary of the site may also be an area where localised contaminant impact may be associated with its historical use.

An isolated location of a former rifle butt was identified on historical mapping (1892-1956) in the southeast corner of parcels 10, which could have resulted in elevated parcels of metals and associated shooting residues. There may be a potential low risk from buried live ammunition/cartridges. Therefore as well as contamination, there may be a potential health and safety risk associated with ammunition that will need to be assessed prior to development.

Off-site sources include Clock face colliery (south), historical works including chemical works (north and east) and historical landfill (south).

Human health receptors were identified to comprise construction workers, on-site and off-site residential, commercial and leisure/amenity site users. Whilst potential sources of contamination have been identified there is no indication from desk based sources that should it be present, that it cannot be dealt with through further investigation/assessment as part of the development.

Surface water sensitivity is considered to be moderate due to the presence of several field drainage ditches which flow off-site generally towards the north and north west.

Groundwater sensitivity is considered to be high due to the presence of Principal, Secondary A and Secondary Undifferentiated aquifers beneath the site. Part of the site is mapped within a Source Protection Zone 3 (SPZ).

Qualitative risk assessment indicates that the site represents a low risk of potential contamination impacts to controlled waters associated with the proposed development.

Given the low risk of identified sources of potential contamination it is likely that the soils on site can be excavated and reused as part of the proposed development. However, this is on the basis that no contamination is encountered during future geotechnical/geoenvironmental site investigations and site enabling works.

The site is located within a coal mining reporting area but it has not been identified as a development high-risk area. Coal mine workings exist beneath the site, but these are at significant depth. Nevertheless, at this stage unrecorded mine workings cannot be discounted and therefore individual coal mining risk assessments will be required for development parcels on a plot by plot basis.

A review of existing reports indicates the site is located within a minerals resource area for clay and surface coal, in accordance with the St Helens Local Plan. Therefore further discussions with the Mineral Planning Authority would be required to determine the extent of any minerals safeguarding parcels and if the production of a minerals resource assessment is required.

A review of online Unexploded Ordnance (UXO) risk maps indicates the site straddles both low and moderate risk zone parcels.



6.2 Recommendations

Whilst a low potential for contamination risk has been identified, it would be prudent to undertake ground investigation to confirm and baseline ground conditions. This could include:

- Targeted ground investigation in potential source parcels that include the locations of demolished farm buildings, infilled ponds former locations of identified ponds, in the vicinity of farming related activities where equipment, machinery and storage tanks are located and at locations adjacent to the railway.
- The former rifle butt identified on historical mapping in the southeast corner of parcels 10 is to be investigated for contamination and also an assessment of potential health and safety risk undertaken prior to development.
- In site-wide parcels where no discernible sources have been identified, and where earthworks/geotechnical investigations are proposed, consideration should be given to a screening chemical analysis of the soils to include (and not limited to) metals, poly-aromatic hydrocarbons (PAHs), semi-volatile organics (SVOCs) and asbestos.
- The ground investigation to include for risk assessment of potential for ground gas to the development.
- Completion of contaminated land risk assessments in accordance with the Environment Agency's (EA) Land Contamination Risk Management (LCRM) associated with the proposed residential, commercial and leisure/amenity uses of the site.
- Where soils are to be re-used they are to be demonstrated to be suitable for re-use.
- Where any contamination is identified it will be dealt with accordingly for the protection of human health and controlled waters receptors.

The findings from the ground investigation works will determine the further phases of work required to address or mitigate potential contamination, however this should include completion of a watching brief for encountering and dealing with unexpected contamination during the construction and enabling phase. Where such Made Ground/contamination is encountered then it should be investigated, risk assessed and dealt with accordingly by a competent qualified person such that it poses no significant risk to identified receptors.

A Remediation/Discovery Strategy is to be prepared and any contamination that is identified and dealt with will need to be documented in a Verification Report.

From a geotechnical perspective, whilst the site is not located in a high risk development area, it would be prudent to undertake individual coal mining risk assessments on a plot by plot basis. Abnormal foundations may be required if parcels of soft clay and/or made ground is found to be present, however this would be subject to the findings of ground investigation prior to development.

Individual coal mining risk assessments to be undertaken for development parcels on a plot by plot basis.

Further discussions with the Mineral Planning Authority to determine the extent of any possible minerals safeguarding parcels on site and if the production of a minerals resource assessment is required.



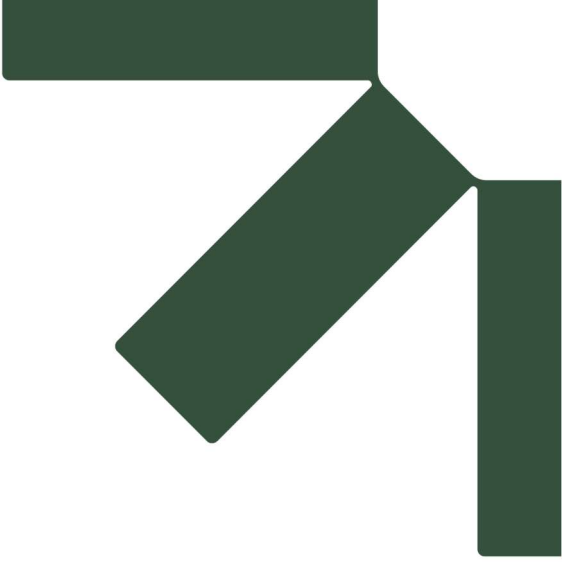
6.3 Soils Material Management

It is the responsibility of a holder of material to form their own view on whether that material is waste or not. Given the proposed reuse of natural occurring material within the same site boundary and lack of potential contamination sources it is possible that excavated soils reused as part of the proposed development would not be considered waste. However, we would recommend that any soil reuse is covered by a Materials Management Plan (MMP) in accordance with the CLAIRE Definition of Waste Code of Practice (DoWCoP).

6.4 Unexploded Ordnance (UXO)

The majority of the north and west of the site are at a moderate risk to UXO. It is therefore recommended that a full search is conducted and required mitigation implemented prior to ground investigation and subsequent redevelopment.





Appendix A Drawings

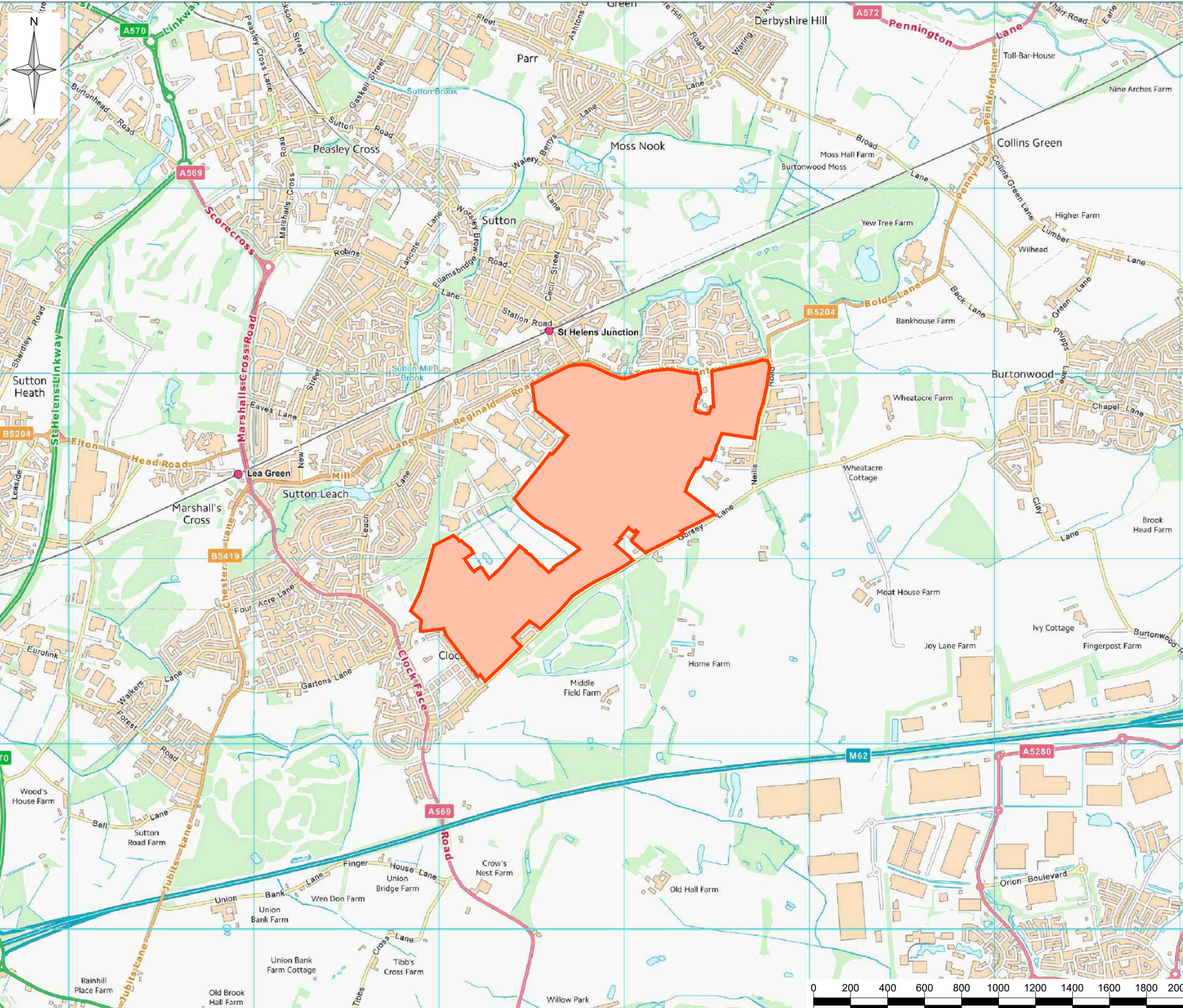
Preliminary Land Quality Risk Assessment

Bold Forest Garden Village

St Helens Borough Council

SLR Project No.: 410.066257.00001

16 June 2025



Legend:



Rev	Amendments	Date	By	Chk	Auth
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Client
Avison Young (UK) Ltd

Project
Bold Garden Village
Environmental Assessment

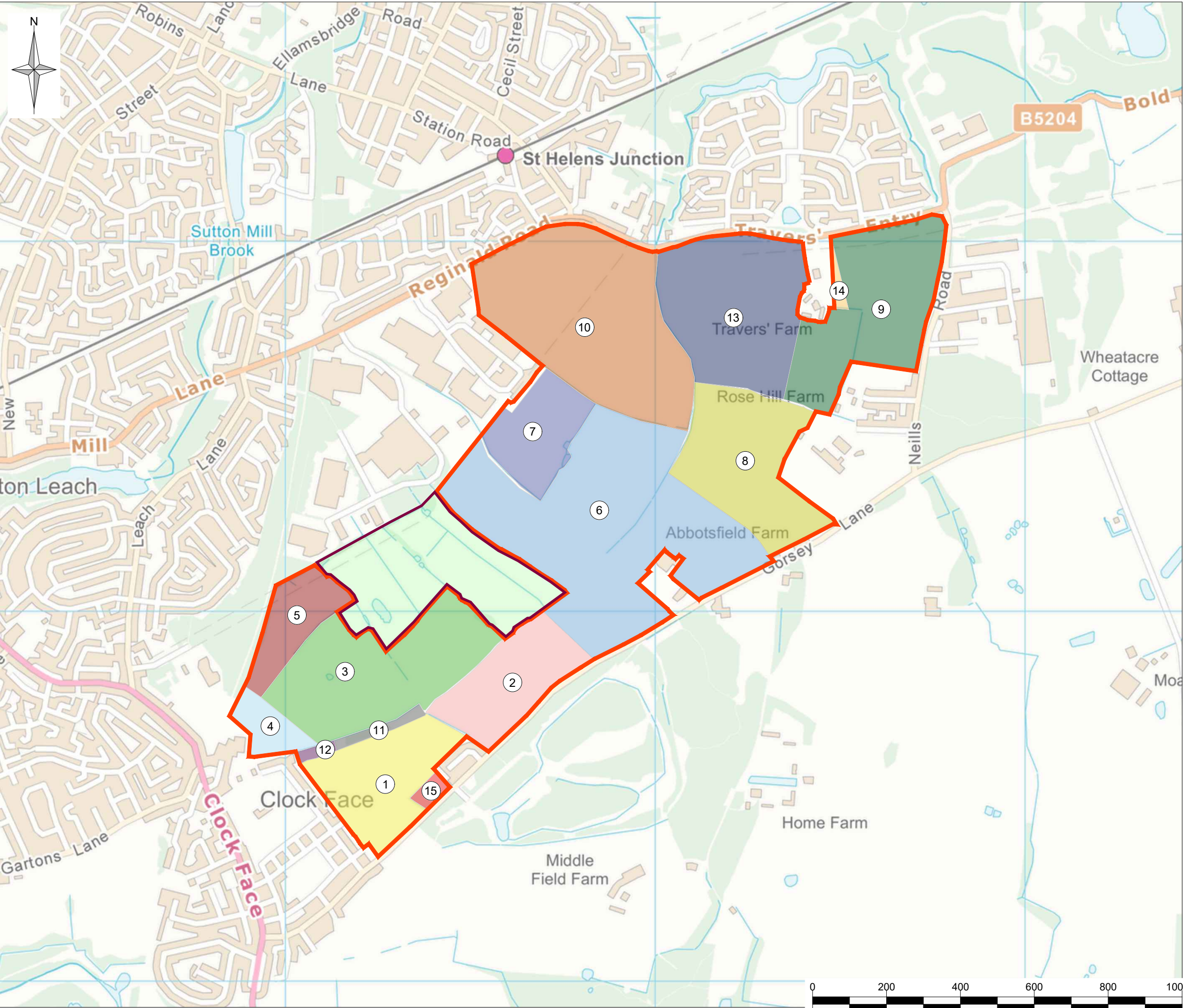
Figure Title
Site Location Plan

Scale 1:20,000	@ A3	SLR Project No. 410.066257.00001
Designed TS	Checked IG	Authorised CM
Date Dec 2024	Date Dec 2024	Date Dec 2024

Figure Number 001	Rev. 0
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Legend:

Site Boundary

1

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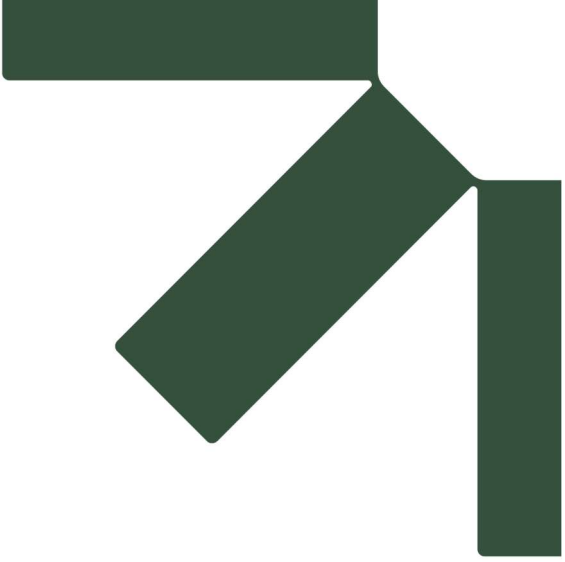
15

Local Wildlife Site

Rev	Amendments	Date	By	Chk	Auth
 www.slrconsulting.com					
Client Avison Young (UK) Ltd					
Project Bold Garden Village Environmental Assessment					
Figure Title Site Layout Plan					
Scale 1:10,000 @ A3		SLR Project No. 410.066257.00001			
Designed	Drawn TS	Checked IG	Authorised CM		
Date	Date Dec 2024	Date Dec 2024	Date Dec 2024		
Figure Number 002					Rev. 0

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Appendix B Groundsure Enviro & GeolInsight Report

Preliminary Land Quality Risk Assessment

Bold Forest Garden Village

St Helens Borough Council

SLR Project No.: 410.066257.00001

16 June 2025



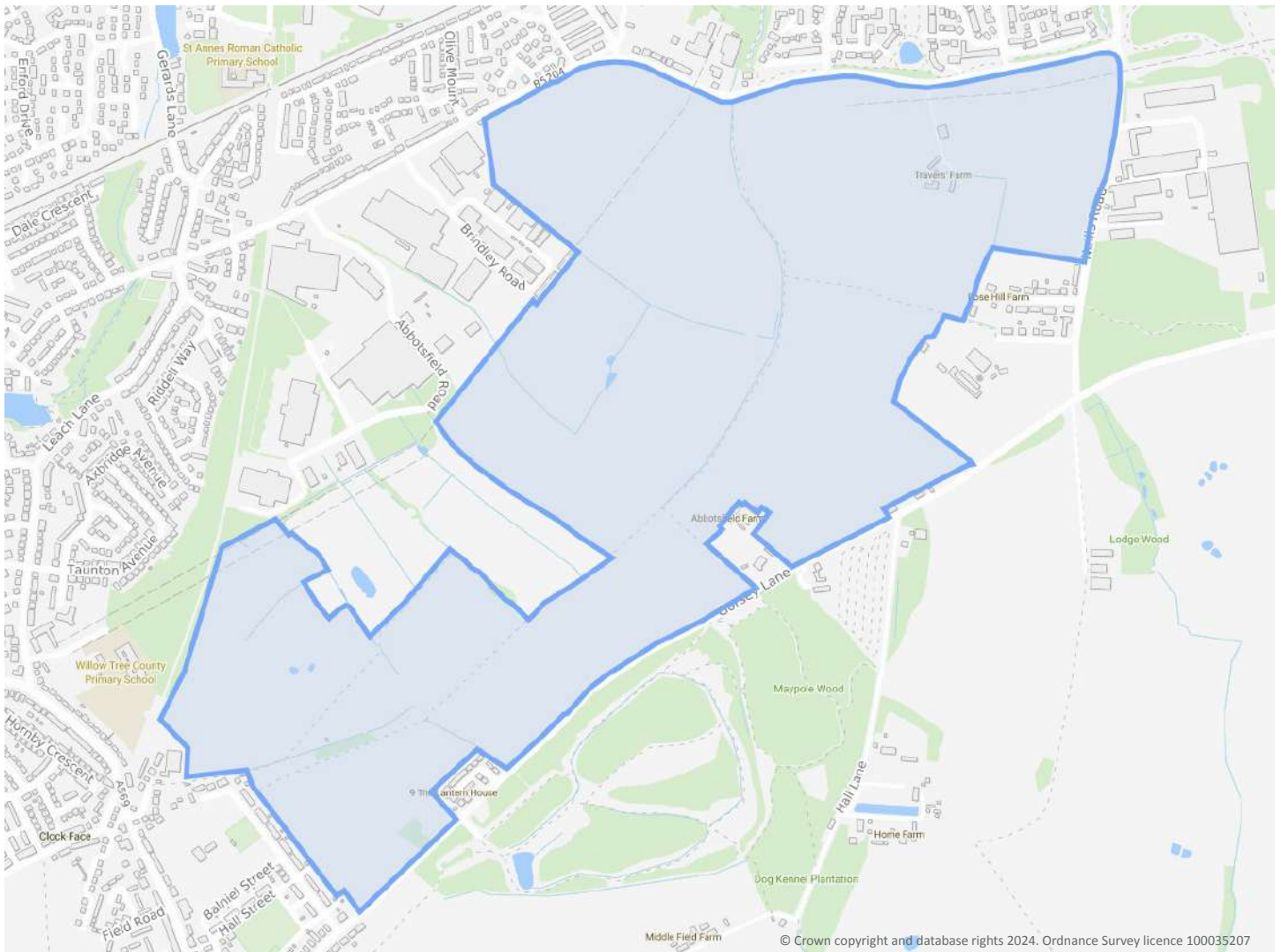
Bold Garden Village

Order Details

Date: 14/11/2024
Your ref: EMS_984891_1225062
Our Ref: EMS-984891_1248047

Site Details

Location: 353837 392340
Area: 135.31 ha
Authority: [St Helens Metropolitan Borough Council](#)
↗



Summary of findings

[p. 2 >](#)

Aerial image

[p. 9 >](#)

OS MasterMap site plan

N/A: >10ha

[Insight User Guide](#) ↗

Contact us with any questions at:

info@groundsure.com ↗

01273 257 755

Summary of findings

Page	Section	Past land use >	On site	0-50m	50-250m	250-500m	500-2000m
14 >	1.1 >	Historical industrial land uses >	23	67	71	72	-
23 >	1.2 >	Historical tanks >	0	6	45	49	-
27 >	1.3 >	Historical energy features >	0	8	23	14	-
29	1.4	Historical petrol stations	0	0	0	0	-
29 >	1.5 >	Historical garages >	0	0	7	4	-
30 >	1.6 >	Historical military land >	0	1	0	0	-
Page	Section	Past land use - un-grouped >	On site	0-50m	50-250m	250-500m	500-2000m
31 >	2.1 >	Historical industrial land uses >	29	84	87	99	-
42 >	2.2 >	Historical tanks >	0	10	69	69	-
48 >	2.3 >	Historical energy features >	0	12	37	33	-
51	2.4	Historical petrol stations	0	0	0	0	-
51 >	2.5 >	Historical garages >	0	0	14	6	-
Page	Section	Waste and landfill >	On site	0-50m	50-250m	250-500m	500-2000m
53	3.1	Active or recent landfill	0	0	0	0	-
53	3.2	Historical landfill (BGS records)	0	0	0	0	-
54	3.3	Historical landfill (LA/mapping records)	0	0	0	0	-
54 >	3.4 >	Historical landfill (EA/NRW records) >	0	0	1	0	-
54 >	3.5 >	Historical waste sites >	4	0	18	5	-
59 >	3.6 >	Licensed waste sites >	1	5	18	3	-
66 >	3.7 >	Waste exemptions >	3	67	54	13	-
Page	Section	Current industrial land use >	On site	0-50m	50-250m	250-500m	500-2000m
78 >	4.1 >	Recent industrial land uses >	5	17	66	-	-
84 >	4.2 >	Current or recent petrol stations >	0	0	0	2	-
84	4.3	Electricity cables	0	0	0	0	-
84	4.4	Gas pipelines	0	0	0	0	-
85 >	4.5 >	Sites determined as Contaminated Land >	0	0	0	1	-



85 >	4.6 >	Control of Major Accident Hazards (COMAH) >	0	1	0	0	-
85	4.7	Regulated explosive sites	0	0	0	0	-
86	4.8	Hazardous substance storage/usage	0	0	0	0	-
86	4.9	Historical licensed industrial activities (IPC)	0	0	0	0	-
86	4.10	Licensed industrial activities (Part A(1))	0	0	0	0	-
86 >	4.11 >	Licensed pollutant release (Part A(2)/B) >	0	0	7	0	-
87 >	4.12 >	Radioactive Substance Authorisations >	1	0	0	0	-
88 >	4.13 >	Licensed Discharges to controlled waters >	1	1	3	9	-
90	4.14	Pollutant release to surface waters (Red List)	0	0	0	0	-
90	4.15	Pollutant release to public sewer	0	0	0	0	-
90	4.16	List 1 Dangerous Substances	0	0	0	0	-
91	4.17	List 2 Dangerous Substances	0	0	0	0	-
91 >	4.18 >	Pollution Incidents (EA/NRW) >	0	7	2	17	-
94	4.19	Pollution inventory substances	0	0	0	0	-
94	4.20	Pollution inventory waste transfers	0	0	0	0	-
94 >	4.21 >	Pollution inventory radioactive waste >	0	0	0	1	-
Page	Section	Hydrogeology >	On site	0-50m	50-250m	250-500m	500-2000m
96 >	5.1 >	Superficial aquifer >	Identified (within 500m)				
98 >	5.2 >	Bedrock aquifer >	Identified (within 500m)				
100 >	5.3 >	Groundwater vulnerability >	Identified (within 50m)				
103	5.4	Groundwater vulnerability- soluble rock risk	None (within 0m)				
103	5.5	Groundwater vulnerability- local information	None (within 0m)				
104 >	5.6 >	Groundwater abstractions >	0	0	0	0	12
107 >	5.7 >	Surface water abstractions >	0	0	0	1	0
108	5.8	Potable abstractions	0	0	0	0	0
108 >	5.9 >	Source Protection Zones >	1	0	0	0	-
108	5.10	Source Protection Zones (confined aquifer)	0	0	0	0	-
Page	Section	Hydrology >	On site	0-50m	50-250m	250-500m	500-2000m
109 >	6.1 >	Water Network (OS MasterMap) >	49	23	63	-	-



120 >	6.2 >	Surface water features >	1	16	28	-	-
120 >	6.3 >	WFD Surface water body catchments >	3	-	-	-	-
121 >	6.4 >	WFD Surface water bodies >	0	0	0	-	-
121 >	6.5 >	WFD Groundwater bodies >	2	-	-	-	-
Page	Section	River and coastal flooding >	On site	0-50m	50-250m	250-500m	500-2000m
123	7.1	Risk of flooding from rivers and the sea	None (within 50m)				
124 >	7.2 >	Historical Flood Events >	0	0	2	-	-
124	7.3	Flood Defences	0	0	0	-	-
124	7.4	Areas Benefiting from Flood Defences	0	0	0	-	-
125	7.5	Flood Storage Areas	0	0	0	-	-
126	7.6	Flood Zone 2	None (within 50m)				
126	7.7	Flood Zone 3	None (within 50m)				
Page	Section	Surface water flooding >					
127 >	8.1 >	Surface water flooding >	1 in 30 year, Greater than 1.0m (within 50m)				
Page	Section	Groundwater flooding >					
129 >	9.1 >	Groundwater flooding >	Low (within 50m)				
Page	Section	Environmental designations >	On site	0-50m	50-250m	250-500m	500-2000m
130	10.1	Sites of Special Scientific Interest (SSSI)	0	0	0	0	0
131	10.2	Conserved wetland sites (Ramsar sites)	0	0	0	0	0
131	10.3	Special Areas of Conservation (SAC)	0	0	0	0	0
131	10.4	Special Protection Areas (SPA)	0	0	0	0	0
131	10.5	National Nature Reserves (NNR)	0	0	0	0	0
132 >	10.6 >	Local Nature Reserves (LNR) >	0	0	0	1	0
132	10.7	Designated Ancient Woodland	0	0	0	0	0
132	10.8	Biosphere Reserves	0	0	0	0	0
132	10.9	Forest Parks	0	0	0	0	0
133	10.10	Marine Conservation Zones	0	0	0	0	0
133 >	10.11 >	Green Belt >	1	0	0	1	1
133	10.12	Proposed Ramsar sites	0	0	0	0	0



133	10.13	Possible Special Areas of Conservation (pSAC)	0	0	0	0	0
134	10.14	Potential Special Protection Areas (pSPA)	0	0	0	0	0
134	10.15	Nitrate Sensitive Areas	0	0	0	0	0
134 >	10.16 >	Nitrate Vulnerable Zones >	4	0	0	0	0
135 >	10.17 >	SSSI Impact Risk Zones >	3	-	-	-	-
136	10.18	SSSI Units	0	0	0	0	0
Page	Section	Visual and cultural designations >	On site	0-50m	50-250m	250-500m	500-2000m
137	11.1	World Heritage Sites	0	0	0	-	-
138	11.2	Area of Outstanding Natural Beauty	0	0	0	-	-
138	11.3	National Parks	0	0	0	-	-
138 >	11.4 >	Listed Buildings >	0	0	2	-	-
139	11.5	Conservation Areas	0	0	0	-	-
139	11.6	Scheduled Ancient Monuments	0	0	0	-	-
139	11.7	Registered Parks and Gardens	0	0	0	-	-
Page	Section	Agricultural designations >	On site	0-50m	50-250m	250-500m	500-2000m
140 >	12.1 >	Agricultural Land Classification >	Grade 3b (within 250m)				
141 >	12.2 >	Open Access Land >	0	2	0	-	-
141	12.3	Tree Felling Licences	0	0	0	-	-
141	12.4	Environmental Stewardship Schemes	0	0	0	-	-
142 >	12.5 >	Countryside Stewardship Schemes >	1	0	1	-	-
Page	Section	Habitat designations >	On site	0-50m	50-250m	250-500m	500-2000m
143 >	13.1 >	Priority Habitat Inventory >	0	6	11	-	-
144	13.2	Habitat Networks	0	0	0	-	-
144 >	13.3 >	Open Mosaic Habitat >	0	0	2	-	-
145	13.4	Limestone Pavement Orders	0	0	0	-	-
Page	Section	Geology 1:10,000 scale >	On site	0-50m	50-250m	250-500m	500-2000m
146 >	14.1 >	10k Availability >	Identified (within 500m)				
147	14.2	Artificial and made ground (10k)	0	0	0	0	-
148	14.3	Superficial geology (10k)	0	0	0	0	-

148	14.4	Landslip (10k)	0	0	0	0	-
149	14.5	Bedrock geology (10k)	0	0	0	0	-
149	14.6	Bedrock faults and other linear features (10k)	0	0	0	0	-
Page	Section	Geology 1:50,000 scale >	On site	0-50m	50-250m	250-500m	500-2000m
150 >	15.1 >	50k Availability >	Identified (within 500m)				
151	15.2	Artificial and made ground (50k)	0	0	0	0	-
151	15.3	Artificial ground permeability (50k)	0	0	-	-	-
152 >	15.4 >	Superficial geology (50k) >	1	0	0	1	-
153 >	15.5 >	Superficial permeability (50k) >	Identified (within 50m)				
153	15.6	Landslip (50k)	0	0	0	0	-
153	15.7	Landslip permeability (50k)	None (within 50m)				
154 >	15.8 >	Bedrock geology (50k) >	5	0	5	5	-
155 >	15.9 >	Bedrock permeability (50k) >	Identified (within 50m)				
156 >	15.10 >	Bedrock faults and other linear features (50k) >	4	0	2	0	-
Page	Section	Boreholes >	On site	0-50m	50-250m	250-500m	500-2000m
157 >	16.1 >	BGS Boreholes >	4	2	26	-	-
Page	Section	Natural ground subsidence >					
160 >	17.1 >	Shrink swell clays >	Very low (within 50m)				
161 >	17.2 >	Running sands >	Very low (within 50m)				
162 >	17.3 >	Compressible deposits >	Negligible (within 50m)				
163 >	17.4 >	Collapsible deposits >	Very low (within 50m)				
164 >	17.5 >	Landslides >	Low (within 50m)				
166 >	17.6 >	Ground dissolution of soluble rocks >	Negligible (within 50m)				
Page	Section	Mining and ground workings >	On site	0-50m	50-250m	250-500m	500-2000m
168 >	18.1 >	BritPits >	0	0	1	2	-
169 >	18.2 >	Surface ground workings >	56	26	86	-	-
176 >	18.3 >	Underground workings >	0	8	4	2	5
177	18.4	Underground mining extents	0	0	0	0	-
177	18.5	Historical Mineral Planning Areas	0	0	0	0	-



177 >	18.6 >	Non-coal mining >	1	0	1	0	1
178 >	18.7 >	JPB mining areas >	Identified (within 0m)				
178	18.8	The Coal Authority non-coal mining	0	0	0	0	-
178	18.9	Researched mining	0	0	0	0	-
179	18.10	Mining record office plans	0	0	0	0	-
179	18.11	BGS mine plans	0	0	0	0	-
179 >	18.12 >	Coal mining >	Identified (within 0m)				
179	18.13	Brine areas	None (within 0m)				
180	18.14	Gypsum areas	None (within 0m)				
180	18.15	Tin mining	None (within 0m)				
180	18.16	Clay mining	None (within 0m)				
Page	Section	Ground cavities and sinkholes	On site	0-50m	50-250m	250-500m	500-2000m
181	19.1	Natural cavities	0	0	0	0	-
181	19.2	Mining cavities	0	0	0	0	0
181	19.3	Reported recent incidents	0	0	0	0	-
181	19.4	Historical incidents	0	0	0	0	-
182	19.5	National karst database	0	0	0	0	-
Page	Section	Radon >					
183 >	20.1 >	Radon >	Less than 1% (within 0m)				
Page	Section	Soil chemistry >	On site	0-50m	50-250m	250-500m	500-2000m
185 >	21.1 >	BGS Estimated Background Soil Chemistry >	49	5	-	-	-
188	21.2	BGS Estimated Urban Soil Chemistry	0	0	-	-	-
188	21.3	BGS Measured Urban Soil Chemistry	0	0	-	-	-
Page	Section	Railway infrastructure and projects >	On site	0-50m	50-250m	250-500m	500-2000m
189	22.1	Underground railways (London)	0	0	0	-	-
189	22.2	Underground railways (Non-London)	0	0	0	-	-
190	22.3	Railway tunnels	0	0	0	-	-
190 >	22.4 >	Historical railway and tunnel features >	10	31	68	-	-
194	22.5	Royal Mail tunnels	0	0	0	-	-



194 >	22.6 >	Historical railways >	0	1	2	-	-
195 >	22.7 >	Railways >	0	0	14	-	-
195	22.8	Crossrail 2	0	0	0	0	-
196	22.9	HS2	0	0	0	0	-

Recent aerial photograph



Capture Date: 20/05/2023

Site Area: 135.31ha



Recent site history - 2022 aerial photograph



Capture Date: 18/10/2022

Site Area: 135.31ha



Recent site history - 2015 aerial photograph



Capture Date: 11/06/2015

Site Area: 135.31ha



Recent site history - 2005 aerial photograph



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Capture Date: 02/09/2005

Site Area: 135.31ha



Recent site history - 2001 aerial photograph



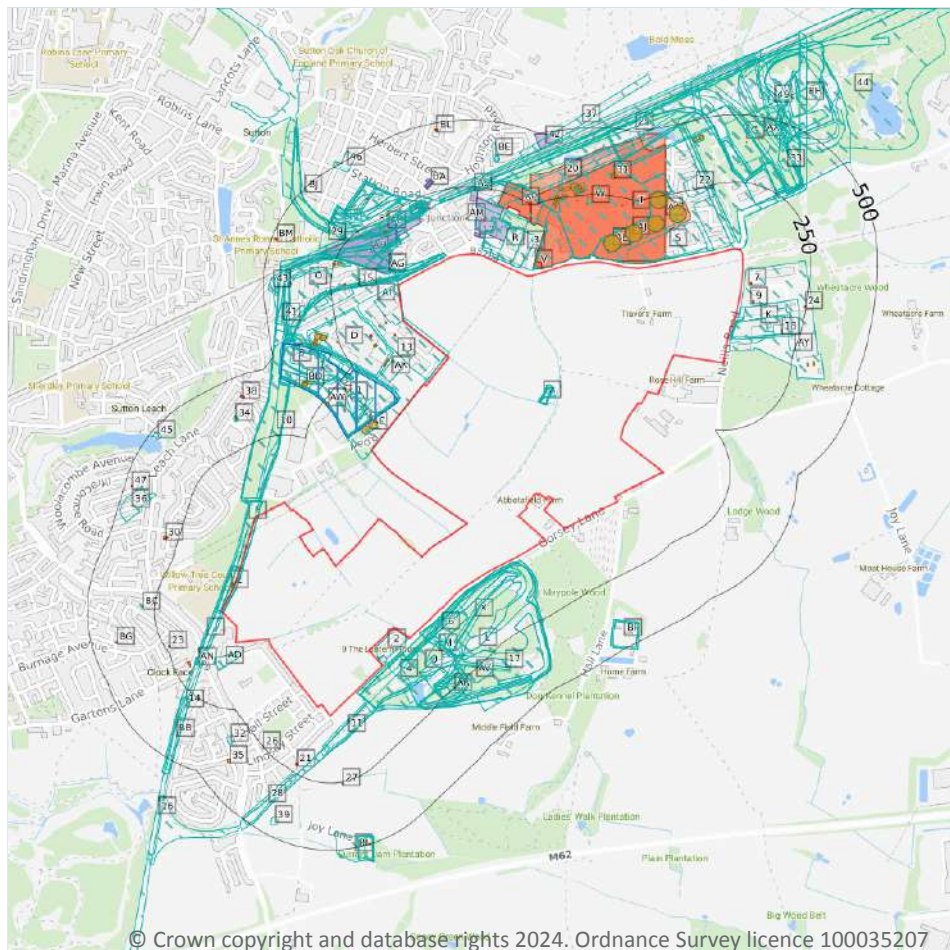
Aerial photography supplied by Getmapping PLC. © Copyright Getmapping PLC 2024. All Rights Reserved.

Capture Date: 01/05/2001

Site Area: 135.31ha



1 Past land use



- Site Outline
- Search buffers in metres (m)
- Historical industrial land uses
- Historical tanks
- Historical energy features
- Historical garages
- Historical military land

1.1 Historical industrial land uses

Records within 500m

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Potentially contaminative land use features digitised from historical Ordnance Survey mapping at 1:10,000 and 1:10,560 scale, intelligently grouped into contiguous features. To prevent misrepresentation of the size of historical features at any given time, features are only grouped if they have similar geometries within immediately preceding or succeeding map editions. See section 2 for a breakdown of grouping if required. Grouped and the original un-grouped features can be cross-referenced across sections 1 and 2 using the 'Group ID'.

Features are displayed on the Past land use map on [page 14](#) >

ID	Location	Land use	Dates present	Group ID
1	On site	Railway Sidings	1965	970136



ID	Location	Land use	Dates present	Group ID
A	On site	Disused Rifle Butt	1892	808471
A	On site	Unspecified Ground Workings	1956	921738
A	On site	Unspecified Heap	1906	926588
A	On site	Unspecified Heap	1947	929689
A	On site	Unspecified Ground Workings	1938	941049
A	On site	Unspecified Ground Workings	1938	969669
B	On site	Unspecified Commercial/Industrial	1974	822172
C	On site	Unspecified Works	1981	835159
D	On site	Industrial Estate	1981	836687
E	On site	Railway Building	1891	853710
E	On site	Unspecified Tank	1906 - 1938	880216
E	On site	Cuttings	1906 - 1938	928120
E	On site	Unspecified Tank	1947	952651
E	On site	Cuttings	1891	1007917
F	On site	Railway Sidings	1938	862964
F	On site	Railway Sidings	1906	899487
F	On site	Railway Sidings	1925	913062
F	On site	Railway Sidings	1891	924895
F	On site	Railway Sidings	1947	953600
G	On site	Unspecified Mine	1981	892922
G	On site	Unspecified Mine	1965 - 1974	955798
H	On site	Cuttings	1947	988473
E	On site	Cuttings	1956	941835
2	2m SW	Unspecified Works	1981	835155
I	3m SW	Electric Substation	1981	820061
H	4m SW	Cuttings	1849	865146
J	5m SW	Cuttings	1891 - 1938	973919
K	7m NE	Iron Workings	1956	833961



ID	Location	Land use	Dates present	Group ID
L	7m SW	Colliery	1956	948061
M	7m SW	Railway Sidings	1956	962145
K	8m NE	Unspecified Works	1965 - 1974	873859
K	9m NE	Iron Works	1938	871096
J	9m SW	Cuttings	1956	989590
N	10m S	Refuse Heap	1956	944103
K	10m NE	Unspecified Works	1981 - 1989	1000580
O	10m N	Railway Sidings	1947	884366
O	10m N	General Store and Sheeting Works	1947	903460
O	10m N	Railway Sidings	1956	914103
O	10m N	Railway Sidings	1965	921226
E	10m SW	Unspecified Tank	1956	849328
O	11m N	General Store and Sheeting Works	1906	999168
P	11m N	Railway Sidings	1906	925196
K	11m NE	Iron Works	1892 - 1906	988778
P	12m N	Railway Sidings	1938	909432
K	12m NE	Iron Works	1947	932201
Q	12m N	Railway Sidings	1892	909092
R	12m N	Unspecified Commercial/Industrial	1947	822173
R	12m N	Safety Fuse Manufactory	1892 - 1906	954690
O	13m N	Unspecified Commercial/Industrial	1938	946379
Q	13m N	Railway Sidings	1938	875079
T	14m NE	Unspecified Works	1965 - 1974	959960
T	14m NE	Power Station	1981	806272
N	14m S	Unspecified Disused Tip	1981	858037
L	15m S	Unspecified Mine	1965 - 1974	867879
U	15m S	Colliery	1906	945005
3	17m N	Unspecified Works	1974	835738



ID	Location	Land use	Dates present	Group ID
L	17m S	Colliery	1947	990419
M	17m S	Colliery	1925 - 1938	919116
W	17m NE	Railway Sidings	1965	859427
W	17m NE	Railway Sidings	1965	859428
W	17m NE	Railway Sidings	1974	859450
W	17m NE	Railway Sidings	1978	859451
U	18m SW	Railway Sidings	1925 - 1938	935355
O	18m NW	Unspecified Commercial/Industrial	1938	995015
4	19m SW	Railway Sidings	1947	941523
X	19m S	Refuse Heap	1925 - 1938	986101
5	20m NE	Unspecified Heap	1974	843819
N	20m S	Refuse Heap	1947	870230
N	20m S	Refuse Heap	1947	937172
R	21m N	Unspecified Factory	1974	857169
O	22m NW	General Store and Sheeting Works	1956	931727
O	22m NW	Unspecified Works	1965 - 1974	945738
G	25m NE	Unspecified Commercial/Industrial	1981	822004
G	25m NE	Unspecified Works	1965 - 1974	982023
6	26m S	Unspecified Ground Workings	1906	813905
Z	33m NW	Unspecified Commercial/Industrial	1938	974830
Z	36m NW	Manure Works	1892	856977
AA	36m NE	Unspecified Tanks	1965 - 1974	916455
AB	36m W	Unspecified Warehouse	1981	848275
Z	37m NW	Unspecified Commercial/Industrial	1965	925363
AC	39m W	Unspecified Tanks	1965	819143
U	40m S	Railway Building	1906	853706
AD	42m SW	Unspecified Commercial/Industrial	1981	822170
AD	42m SW	Unspecified Factory	1965 - 1974	964668



ID	Location	Land use	Dates present	Group ID
Z	42m NW	Unspecified Commercial/Industrial	1956	950245
8	45m W	Railway Sidings	1947 - 1956	861053
AE	46m NE	Unspecified Tank	1981	851026
AF	47m N	Unspecified Works	1981	835156
AG	49m NW	Unspecified Pit	1892	828486
10	52m W	Railway Sidings	1938	989968
U	54m S	Railway Sidings	1965 - 1974	1006524
U	57m S	Unspecified Heap	1906	842145
X	58m S	Unspecified Ground Workings	1965 - 1974	929148
11	63m SW	Cuttings	1965 - 1974	978871
M	83m S	Unspecified Disused Shaft	1981	852308
U	95m S	Unspecified Disused Shaft	1981	852307
AJ	98m NE	Unspecified Tank	1981	851025
AK	101m NW	Unspecified Warehouse	1981	848274
AB	102m W	Unspecified Pit	1947	979214
AB	103m W	Unspecified Pit	1938	974587
D	104m NW	Unspecified Works	1981	835158
AB	106m W	Unspecified Pit	1892	881484
AB	106m W	Unspecified Ground Workings	1906	813907
D	107m NW	Unspecified Commercial/Industrial	1974	974136
O	121m NW	Sheet Works	1892	821511
AA	123m NE	Unspecified Tank	1981	851024
R	126m N	Unspecified Heap	1892	842146
R	133m N	Magazine	1892	825757
O	139m NW	Unspecified Works	1981	893672
14	141m SW	Cuttings	1891	865054
AL	143m NE	Unspecified Tank	1981	851023
AN	150m SW	Railway Station	1891 - 1938	939641



ID	Location	Land use	Dates present	Group ID
AN	150m SW	Railway Station	1947	891979
16	152m SW	Cuttings	1849	886432
17	153m S	Refuse Heap	1965 - 1974	861827
AN	153m SW	Railway Station	1956	927520
G	174m NE	Colliery	1938	877136
G	176m NE	Colliery	1938	920156
AP	178m N	Power Station	1974	806268
AO	185m N	Railway Sidings	1974	879294
AO	186m NW	Railway Sidings	1906	861872
19	186m N	Railway Sidings	1938	953878
AQ	186m NW	Railway Sidings	1947	991135
20	188m N	Rifle Range	1892	820308
AO	190m NW	Railway Sidings	1938	935237
AO	191m NW	Railway Sidings	1965	875120
AO	191m NW	Railway Sidings	1956	887284
AR	192m S	Unspecified Ground Workings	1956	813906
AR	201m S	Unspecified Pit	1906	828485
AR	201m S	Clay Pit	1925 - 1938	963161
AO	201m NW	Electric Substation	1981	820062
AO	203m N	Railway Station	1947	866155
AO	203m N	Railway Station	1892 - 1906	969078
G	204m N	Railway Sidings	1947	1009161
AR	204m S	Clay Pit	1947	977290
AO	204m N	Railway Building	1956	853716
AO	205m N	Junction Station	1965	933198
AT	205m N	Railway Sidings	1938	897031
AO	206m N	Railway Station	1938	953471
AO	207m N	Railway Station	1938	931668



ID	Location	Land use	Dates present	Group ID
AT	207m N	Tramway Sidings	1938	856524
AU	208m NE	Unspecified Tank	1981	851022
AV	213m S	Refuse Heap	1947	893209
AV	213m S	Refuse Heap	1947	990193
AO	216m N	Junction Station	1956	981623
AO	218m N	Railway Station	1974 - 1981	990477
AO	219m NW	Railway Building	1938	853717
P	219m NW	Unspecified Commercial/Industrial	1947	936712
AO	220m N	Railway Station	1849	986501
22	222m NE	Unspecified Heap	1965 - 1974	998751
AQ	225m N	Railway Sidings	1906	893410
AQ	227m N	Railway Sidings	1938	861720
AO	231m NW	Railway Building	1956	853715
AS	236m N	Railway Building	1981	853711
AO	240m N	Railway Building	1956	853713
G	241m NE	Railway Sidings	1892	926515
AX	241m NE	Colliery	1892	903985
G	247m NE	Colliery	1947	878696
AY	248m E	Unspecified Tanks	1981	819697
25	249m N	Railway Sidings	1981	979592
AQ	252m NW	Railway Building	1981	853712
AT	253m N	Railway Sidings	1956	878011
S	258m N	Unspecified Tanks	1981	819696
G	258m NE	Colliery	1956	909459
28	259m SW	Railway Sidings	1956	941929
29	268m NW	Unspecified Depot	1981	821076
AY	268m E	Unspecified Tanks	1981	818954
AQ	269m NW	Unspecified Works	1981	932239



ID	Location	Land use	Dates present	Group ID
BB	272m SW	Cuttings	1947 - 1956	931050
BB	273m SW	Cuttings	1906 - 1938	899789
AQ	280m N	Unspecified Foundry	1938	874093
P	283m NW	Unspecified Tanks	1981	819142
AQ	285m NW	Railway Building	1956	853714
G	287m NE	Railway Sidings	1906	863610
G	287m NE	Colliery	1906	865225
AQ	288m NW	Unspecified Works	1981	931876
P	291m W	Unspecified Works	1981	835157
BC	292m SW	Sewage Tank	1925	884375
BC	292m SW	Sewage Tank	1947	980425
BC	293m SW	Sewage Tank	1906	943644
AQ	298m NW	Unspecified Foundry	1892 - 1906	939466
AQ	298m NW	Unspecified Foundry	1938 - 1947	920127
BC	300m SW	Sewage Tank	1956	847424
AQ	307m NW	Railway Building	1938	853708
P	311m NW	Glass Works	1906	821944
32	315m SW	Police Station	1965 - 1974	1005498
AQ	316m NW	Unspecified Works	1965 - 1974	874097
AQ	316m NW	Unspecified Foundry	1956	996750
P	317m NW	Unspecified Commercial/Industrial	1974	938515
33	319m NE	Unspecified Heap	1892	843818
AQ	321m NW	Unspecified Commercial/Industrial	1956	822174
AQ	322m NW	Railway Building	1938	853709
BD	336m W	Unspecified Tank	1981	849331
AQ	338m NW	Railway Building	1938	854238
34	350m W	Unspecified Pit	1965 - 1974	928652
BE	351m N	Unspecified Heap	1965	938489



ID	Location	Land use	Dates present	Group ID
BE	355m N	Unspecified Heap	1974	893043
36	379m W	Brick Field	1849	806845
BF	384m SE	Nursery	1956	893694
BF	384m SE	Nursery	1965 - 1981	935515
BD	389m W	Unspecified Ground Workings	1892	813908
37	391m N	Rifle Range	1892	820307
BF	392m SE	Nursery	1925 - 1938	888820
BF	395m SE	Nursery	1947	999422
AT	418m NE	Unspecified Tanks	1981	946140
AT	423m NE	Unspecified Tanks	1965 - 1974	866597
39	426m SW	Refuse Heap	1849	809069
BH	427m NE	Unspecified Heap	1892 - 1906	948486
BI	432m S	Sewage Works	1981	939608
G	432m NE	Unspecified Heap	1892	843817
AX	435m NE	Unspecified Pit	1947	906188
AX	435m NE	Unspecified Pit	1938	917457
40	436m NE	Refuse Heap	1947 - 1956	941420
41	436m NW	Engine House	1849	822731
43	442m NW	Sand Pit	1906	826908
44	452m NE	Refuse Heap	1965 - 1978	986233
BH	453m NE	Refuse Heap	1947	962117
45	457m W	Corn Mill	1849	811780
BI	457m S	Sewage Works	1956	883221
BI	457m S	Unspecified Works	1965 - 1974	995575
BH	458m NE	Unspecified Disused Tip	1981 - 1989	973409
46	460m NW	Brewery	1892	808336
BI	463m S	Sewage Works	1947	942537
BI	470m S	Sewage Works	1925 - 1938	954742



ID	Location	Land use	Dates present	Group ID
BH	470m NE	Refuse Heap	1956	881762
G	480m NE	Refuse Heap	1938	876044
48	481m NE	Refuse Heap	1938	916422
49	482m NE	Unspecified Ground Workings	1906	815826
G	486m NE	Refuse Heap	1938	1005719
BJ	489m NW	Pump	1849	834376
G	493m NE	Unspecified Pit	1938	958320
BI	496m S	Unspecified Tank	1956	851018

This data is sourced from Ordnance Survey / Groundsure.

1.2 Historical tanks

Records within 500m

100

Tank features digitised from historical Ordnance Survey mapping at high-detail 1:1,250 and 1:2,500 scale, intelligently grouped into contiguous features. To prevent misrepresentation of the size of historical features at any given time, features are only grouped if they have similar geometries within immediately preceding or succeeding map editions. See section 2 for a breakdown of grouping if required. Grouped and the original ungrouped features can be cross-referenced across sections 1 and 2 using the 'Group ID'.

Features are displayed on the Past land use map on [page 14 >](#)

ID	Location	Land use	Dates present	Group ID
E	3m SW	Unspecified Tank	1893 - 1937	136864
E	9m SW	Unspecified Tank	1962	114792
AC	40m W	Unspecified Tank	1962	114790
AE	45m NE	Unspecified Tank	1957	135153
AE	46m NE	Unspecified Tank	1958 - 1962	145676
AC	48m W	Unspecified Tank	1962	114791
9	50m NE	Unspecified Tank	1984 - 1994	140378
Y	59m N	Unspecified Tank	1973	114787
C	60m NW	Unspecified Tank	1994	127515
C	60m NW	Unspecified Tank	1989	143457



ID	Location	Land use	Dates present	Group ID
C	63m NW	Unspecified Tank	1989 - 1994	135905
AJ	96m NE	Unspecified Tank	1958 - 1962	145264
AJ	96m NE	Unspecified Tank	1957	141057
AA	121m NE	Unspecified Tank	1957	148016
AA	122m NE	Unspecified Tank	1958 - 1962	136754
AM	132m N	Unspecified Tank	1959	128023
C	132m NW	Tanks	1989	128349
C	132m NW	Tanks	1978	130968
AM	133m N	Unspecified Tank	1957	140643
C	133m NW	Unspecified Tank	1994	114794
U	134m S	Unspecified Tank	1962	114793
C	139m NW	Tanks	1978	154011
C	139m NW	Tanks	1989	138924
AL	140m NE	Unspecified Tank	1957	140838
AL	141m NE	Unspecified Tank	1958 - 1962	128014
AK	144m NW	Unspecified Tank	1989 - 1994	156004
15	144m NW	Unspecified Tank	1989 - 1994	154036
AK	145m NW	Unspecified Tank	1978	151185
AB	164m W	Unspecified Tank	1962	114789
AB	170m W	Unspecified Tank	1962	114788
18	177m E	Unspecified Tank	1984	119668
AO	191m NW	Unspecified Tank	1928 - 1959	140816
AO	191m NW	Unspecified Tank	1892	143298
AU	206m NE	Unspecified Tank	1957	152678
AU	206m NE	Unspecified Tank	1958 - 1962	128128
S	214m NE	Unspecified Tank	1978	114796
S	217m N	Filter Tank	1978	144738
Z	218m W	Unspecified Tank	1956 - 1962	127015



ID	Location	Land use	Dates present	Group ID
Z	219m W	Unspecified Tank	1983 - 1987	152688
S	221m NE	Unspecified Tank	1978 - 1988	138600
O	223m NW	Unspecified Tank	1982 - 1987	147434
S	230m N	Tanks	1957 - 1988	127410
23	231m SW	Unspecified Tank	1975 - 1981	150076
AW	234m W	Unspecified Tank	1983	126810
S	239m N	Unspecified Tank	1978 - 1988	155858
24	242m NE	Tanks	1988	110224
S	243m N	Unspecified Tank	1988	121149
O	243m NW	Tanks	1987	110727
S	248m NE	Tanks	1978 - 1988	136675
26	250m SW	Unspecified Tank	1975	114786
S	250m N	Unspecified Tank	1978 - 1988	153197
27	254m SW	Unspecified Tank	1975	121156
AZ	254m NW	Unspecified Tank	1989 - 1994	143963
AZ	255m NW	Unspecified Tank	1978	147431
S	263m N	Tanks	1978	134603
S	264m N	Tanks	1988	144578
AW	268m W	Unspecified Tank	1962	143790
AW	268m W	Unspecified Tank	1956	147243
S	269m N	Tanks	1988	108510
S	274m N	Settling Tank	1978 - 1988	133680
S	274m N	Tanks	1988	128979
P	289m NW	Unspecified Tank	1978	148778
P	289m NW	Unspecified Tank	1989	152512
BC	295m SW	Sewage Tank	1907 - 1937	133906
AY	306m E	Unspecified Tank	1988	121155
P	309m NW	Unspecified Tank	1978	149273



ID	Location	Land use	Dates present	Group ID
P	310m NW	Unspecified Tank	1989	156029
AQ	310m NW	Tank or Trough	1882	113716
AQ	312m NW	Tanks	1892	110719
31	315m NE	Settling Tank	1978 - 1988	145058
AQ	315m NW	Unspecified Tank	1957	121162
AQ	324m NW	Tank or Trough	1882	112920
P	324m NW	Unspecified Tank	1989	145315
P	325m NW	Unspecified Tank	1978	129594
AQ	326m NW	Unspecified Tank	1987	121159
AY	327m E	Unspecified Tank	1988	119662
P	330m NW	Unspecified Tank	1978	143339
P	331m NW	Unspecified Tank	1989	150803
BD	331m W	Unspecified Tank	1994	114795
AQ	332m NW	Unspecified Tank	1987	129447
BD	334m W	Unspecified Tank	1978	136597
AQ	334m NW	Unspecified Tank	1994 - 1995	145361
BD	334m W	Unspecified Tank	1989	132679
P	334m NW	Unspecified Tank	1894	121151
AQ	335m NW	Unspecified Tank	1892	119666
BD	348m W	Tanks	1928	108509
BD	372m W	Unspecified Tank	1978	135775
BD	372m W	Unspecified Tank	1989 - 1994	129420
G	398m NE	Tanks	1928	110720
G	419m NE	Unspecified Tank	1928	119661
AT	422m NE	Unspecified Tank	1957 - 1983	144041
G	425m NE	Tanks	1957 - 1983	131028
AT	425m NE	Unspecified Tank	1957	130906
AT	426m NE	Unspecified Tank	1958 - 1983	149690



ID	Location	Land use	Dates present	Group ID
BJ	440m NW	Pump and Tank	1882	114633
BK	447m W	Unspecified Tank	1962	137713
BK	447m W	Unspecified Tank	1956	132664
G	457m NE	Unspecified Tank	1983 - 1984	153151
BI	483m S	Unspecified Tank	1977	121167
BI	500m S	Unspecified Tank	1961	121165

This data is sourced from Ordnance Survey / Groundsure.

1.3 Historical energy features

Records within 500m

45

Energy features digitised from historical Ordnance Survey mapping at high-detail 1:1,250 and 1:2,500 scale, intelligently grouped into contiguous features. To prevent misrepresentation of the size of historical features at any given time, features are only grouped if they have similar geometries within immediately preceding or succeeding map editions. See section 2 for a breakdown of grouping if required. Grouped and the original ungrouped features can be cross-referenced across sections 1 and 2 using the 'Group ID'.

Features are displayed on the Past land use map on [page 14 >](#)

ID	Location	Land use	Dates present	Group ID
I	6m SW	Electricity Substation	1985 - 1987	73467
S	13m NE	Power Station	1988	92359
S	13m NE	Power Station	1973 - 1978	87229
S	13m NE	Disused Power Station	1994	68328
V	17m N	Electricity Substation	1978	70220
V	17m N	Electricity Substation	1988 - 1994	79889
Y	20m N	Electricity Substation	1994	65701
7	32m NE	Electricity Substation	1984 - 1994	71692
B	57m NW	Electricity Substation	1994	73215
B	59m NW	Electricity Substation	1978	86792
B	60m NW	Electricity Substation	1989	78859
AI	73m NW	Electricity Substation	1994	75866



ID	Location	Land use	Dates present	Group ID
AI	73m NW	Electricity Substation	1978	82590
AI	74m NW	Electricity Substation	1989	70681
C	87m NW	Electricity Substation	1994	65702
AK	96m NW	Electricity Substation	1989	80281
AK	98m NW	Electricity Substation	1983	73831
13	105m NW	Electricity Substation	1989	65957
AB	117m W	Electricity Substation	1983 - 1987	81287
AL	118m NE	Power Station	1983	68709
C	127m NW	Electricity Substation	1989 - 1994	74594
C	129m NW	Electricity Substation	1978	89401
AB	145m W	Electricity Substation	1989 - 1994	85553
AP	187m N	Power Station	1994	90592
AP	187m N	Power Station	1989	72382
AN	187m SW	Electricity Substation	1975 - 1981	79397
O	193m NW	Electricity Substation	1989 - 1994	85842
O	193m NW	Electricity Substation	1978	91742
AO	196m N	Electricity Substation	1973 - 1989	83693
AO	203m NW	Electricity Substation	1982 - 1995	81424
21	211m SW	Electricity Substation	1975	65732
30	289m W	Electricity Substation	1975 - 1981	71562
AQ	369m NW	Electricity Substation	1982 - 1987	72985
AQ	371m NW	Electricity Substation	1994 - 1995	88707
35	374m SW	Electricity Substation	1975	65729
P	387m NW	Electricity Substation	1989 - 1994	91044
P	388m NW	Electricity Substation	1978	75540
BG	407m SW	Electricity Substation	1975	89668
BG	407m SW	Electricity Substation	1991	91058
38	416m W	Electricity Substation	1981 - 1996	73459



ID	Location	Land use	Dates present	Group ID
BL	467m N	Electricity Substation	1989 - 1994	73039
BL	468m N	Electricity Substation	1971	81434
47	471m W	Electricity Substation	1981	65728
BM	483m NW	Electricity Substation	1982	87073
BM	484m NW	Electricity Substation	1987 - 1995	85338

This data is sourced from Ordnance Survey / Groundsure.

1.4 Historical petrol stations

Records within 500m	0
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Petrol stations digitised from historical Ordnance Survey mapping at high-detail 1:1,250 and 1:2,500 scale, intelligently grouped into contiguous features. To prevent misrepresentation of the size of historical features at any given time, features are only grouped if they have similar geometries within immediately preceding or succeeding map editions. See section 2 for a breakdown of grouping if required. Grouped and the original ungrouped features can be cross-referenced across sections 1 and 2 using the 'Group ID'.

This data is sourced from Ordnance Survey / Groundsure.

1.5 Historical garages

Records within 500m	11
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Garages digitised from historical Ordnance Survey mapping at high-detail 1:1,250 and 1:2,500 scale, intelligently grouped into contiguous features. To prevent misrepresentation of the size of historical features at any given time, features are only grouped if they have similar geometries within immediately preceding or succeeding map editions. See section 2 for a breakdown of grouping if required. Grouped and the original ungrouped features can be cross-referenced across sections 1 and 2 using the 'Group ID'.

Features are displayed on the Past land use map on [page 14 >](#)

ID	Location	Land use	Dates present	Group ID
AG	53m NW	Car Breakers Yard	1989	22151
AH	63m NW	Car Breakers Yard	1987 - 1995	24378
AH	63m NW	Car Breakers Yard	1982	25993
12	66m N	Garage	1989	22553
AF	81m N	Car Breakers Yard	1989 - 1994	24933
AO	152m NW	Car Breakers Yard	1973	22947



ID	Location	Land use	Dates present	Group ID
AS	199m N	Garage	1989 - 1994	25174
BA	268m N	Garage	1994	26426
BA	268m N	Garage	1973 - 1989	24651
BA	272m N	Garage	1957 - 1959	28518
42	441m N	Car Breakers Yard	1988	22150

This data is sourced from Ordnance Survey / Groundsure.

1.6 Historical military land

Records within 500m

1

Areas of military land digitised from multiple sources including the National Archives, local records, MOD records and verified other sources, intelligently grouped into contiguous features.

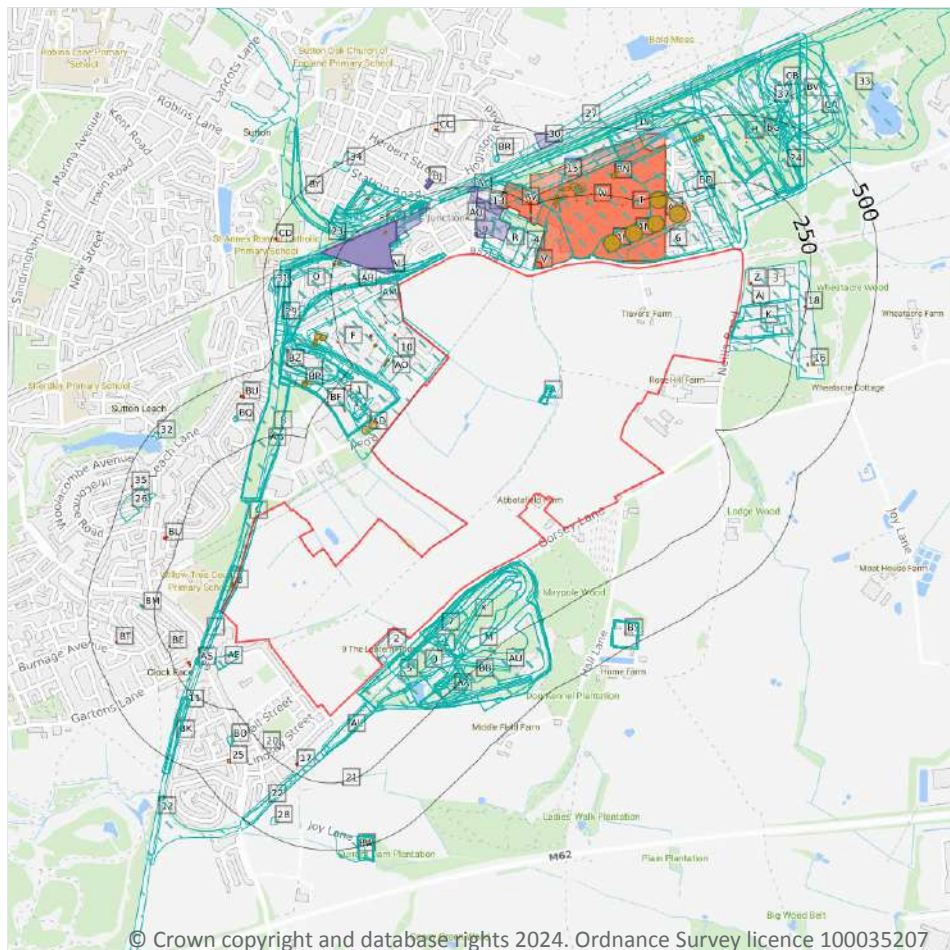
Features are displayed on the Past land use map on [page 14 >](#)

ID	Location	Site Name	Date of Operation	Activities
Z	33m NW	Sutton Oak	circa WWI	HM Explosives Factory; Synthetic Phenol, latterly chemical warfare agent

This data is sourced from Ordnance Survey / Groundsure / other sources.



2 Past land use - un-grouped



- Site Outline
- Search buffers in metres (m)
- Historical industrial land uses
- Historical tanks
- Historical energy features
- Historical garages

2.1 Historical industrial land uses

Records within 500m

299

Potentially contaminative land use features digitised from historical Ordnance Survey mapping at 1:10,000 and 10,560 scale. Any records shown are available intelligently grouped in section 1. Grouped and the original un-grouped features can be cross-referenced across sections 1 and 2 using the 'Group ID'.

Features are displayed on the Past land use - un-grouped map on [page 31](#) >

ID	Location	Land Use	Date	Group ID
1	On site	Railway Sidings	1965	970136
A	On site	Unspecified Heap	1906	926588
A	On site	Disused Rifle Butt	1892	808471



ID	Location	Land Use	Date	Group ID
A	On site	Unspecified Ground Workings	1938	941049
A	On site	Unspecified Heap	1947	929689
A	On site	Unspecified Ground Workings	1956	921738
A	On site	Unspecified Ground Workings	1938	969669
A	On site	Unspecified Ground Workings	1938	969669
B	On site	Unspecified Tank	1938	880216
B	On site	Unspecified Tank	1925	880216
B	On site	Unspecified Tank	1906	880216
B	On site	Railway Building	1891	853710
B	On site	Unspecified Tank	1947	952651
B	On site	Cuttings	1938	928120
B	On site	Cuttings	1925	928120
B	On site	Cuttings	1906	928120
B	On site	Cuttings	1891	1007917
C	On site	Railway Sidings	1938	862964
C	On site	Railway Sidings	1925	913062
C	On site	Railway Sidings	1906	899487
C	On site	Railway Sidings	1891	924895
C	On site	Railway Sidings	1947	953600
D	On site	Unspecified Commercial/Industrial	1974	822172
E	On site	Unspecified Works	1981	835159
F	On site	Industrial Estate	1981	836687
G	On site	Cuttings	1947	988473
H	On site	Unspecified Mine	1974	955798
H	On site	Unspecified Mine	1981	892922
H	On site	Unspecified Mine	1965	955798
B	On site	Cuttings	1956	941835
2	2m SW	Unspecified Works	1981	835155



ID	Location	Land Use	Date	Group ID
I	3m SW	Electric Substation	1981	820061
G	4m SW	Cuttings	1849	865146
J	5m SW	Cuttings	1938	973919
J	5m SW	Cuttings	1925	973919
J	5m SW	Cuttings	1906	973919
J	5m SW	Cuttings	1891	973919
K	7m NE	Iron Workings	1956	833961
L	7m SW	Railway Sidings	1956	962145
M	7m SW	Colliery	1956	948061
K	8m NE	Unspecified Works	1974	873859
K	8m NE	Unspecified Works	1965	873859
K	9m NE	Iron Works	1938	871096
J	9m SW	Cuttings	1956	989590
N	10m S	Refuse Heap	1956	944103
3	10m NE	Unspecified Works	1981	1000580
O	10m N	General Store and Sheeting Works	1947	903460
O	10m N	Railway Sidings	1947	884366
O	10m N	Railway Sidings	1965	921226
O	10m N	Railway Sidings	1956	914103
B	10m SW	Unspecified Tank	1956	849328
K	10m NE	Iron Works	1938	871096
K	10m NE	Unspecified Works	1981	1000580
O	11m N	General Store and Sheeting Works	1906	999168
P	11m N	Railway Sidings	1906	925196
K	11m NE	Iron Works	1906	988778
P	12m N	Railway Sidings	1938	909432
K	12m NE	Iron Works	1947	932201
K	12m NE	Iron Works	1892	988778



ID	Location	Land Use	Date	Group ID
Q	12m N	Railway Sidings	1892	909092
R	12m N	Safety Fuse Manufactory	1906	954690
R	12m N	Unspecified Commercial/Industrial	1947	822173
O	13m N	Unspecified Commercial/Industrial	1938	946379
Q	13m N	Railway Sidings	1938	875079
T	14m NE	Unspecified Works	1974	959960
T	14m NE	Unspecified Works	1965	959960
T	14m NE	Power Station	1981	806272
N	14m S	Unspecified Disused Tip	1981	858037
R	15m N	Safety Fuse Manufactory	1892	954690
M	15m S	Unspecified Mine	1974	867879
M	15m S	Unspecified Mine	1965	867879
U	15m S	Colliery	1906	945005
4	17m N	Unspecified Works	1974	835738
L	17m S	Colliery	1938	919116
L	17m S	Colliery	1925	919116
L	17m S	Colliery	1925	919116
M	17m S	Colliery	1947	990419
M	17m S	Colliery	1947	990419
W	17m NE	Railway Sidings	1974	859450
W	17m NE	Railway Sidings	1965	859427
U	18m SW	Railway Sidings	1938	935355
U	18m SW	Railway Sidings	1925	935355
O	18m NW	Unspecified Commercial/Industrial	1938	995015
5	19m SW	Railway Sidings	1947	941523
X	19m S	Refuse Heap	1938	986101
X	19m S	Refuse Heap	1925	986101
6	20m NE	Unspecified Heap	1974	843819



ID	Location	Land Use	Date	Group ID
N	20m S	Refuse Heap	1947	937172
N	20m S	Refuse Heap	1947	870230
R	21m N	Unspecified Factory	1974	857169
O	22m NW	Unspecified Works	1965	945738
O	22m NW	General Store and Sheeting Works	1956	931727
H	25m NE	Unspecified Works	1974	982023
H	25m NE	Unspecified Commercial/Industrial	1981	822004
H	25m NE	Unspecified Works	1965	982023
7	26m S	Unspecified Ground Workings	1906	813905
AA	33m NW	Unspecified Commercial/Industrial	1938	974830
AA	36m NW	Manure Works	1892	856977
AA	36m NW	Unspecified Commercial/Industrial	1938	974830
AB	36m NE	Unspecified Tanks	1974	916455
AB	36m NE	Unspecified Tanks	1965	916455
AC	36m W	Unspecified Warehouse	1981	848275
AA	37m NW	Unspecified Commercial/Industrial	1965	925363
AD	39m W	Unspecified Tanks	1965	819143
U	40m S	Railway Building	1906	853706
AE	42m SW	Unspecified Factory	1974	964668
AE	42m SW	Unspecified Commercial/Industrial	1981	822170
AE	42m SW	Unspecified Factory	1965	964668
AA	42m NW	Unspecified Commercial/Industrial	1956	950245
AG	45m W	Railway Sidings	1947	861053
AF	46m NE	Unspecified Tank	1981	851026
AH	47m N	Unspecified Works	1981	835156
AI	49m NW	Unspecified Pit	1892	828486
8	52m W	Railway Sidings	1938	989968
AG	52m W	Railway Sidings	1956	861053



ID	Location	Land Use	Date	Group ID
U	54m S	Railway Sidings	1974	1006524
U	54m S	Railway Sidings	1965	1006524
U	57m S	Unspecified Heap	1906	842145
X	58m S	Unspecified Ground Workings	1974	929148
X	58m S	Unspecified Ground Workings	1965	929148
AL	63m SW	Cuttings	1974	978871
AL	63m SW	Cuttings	1965	978871
L	83m S	Unspecified Disused Shaft	1981	852308
U	95m S	Unspecified Disused Shaft	1981	852307
AN	98m NE	Unspecified Tank	1981	851025
AO	101m NW	Unspecified Warehouse	1981	848274
AC	102m W	Unspecified Pit	1947	979214
AC	103m W	Unspecified Pit	1938	974587
AC	103m W	Unspecified Pit	1938	974587
F	104m NW	Unspecified Works	1981	835158
AC	106m W	Unspecified Pit	1892	881484
AC	106m W	Unspecified Ground Workings	1906	813907
F	107m NW	Unspecified Commercial/Industrial	1974	974136
O	121m NW	Sheet Works	1892	821511
AB	123m NE	Unspecified Tank	1981	851024
R	126m N	Unspecified Heap	1892	842146
R	133m N	Magazine	1892	825757
O	139m NW	Unspecified Works	1981	893672
11	141m SW	Cuttings	1891	865054
O	141m NW	Unspecified Works	1974	945738
AP	143m NE	Unspecified Tank	1981	851023
AS	150m SW	Railway Station	1938	939641
AS	150m SW	Railway Station	1925	939641



ID	Location	Land Use	Date	Group ID
AS	150m SW	Railway Station	1906	939641
AS	150m SW	Railway Station	1891	939641
AS	150m SW	Railway Station	1947	891979
12	152m SW	Cuttings	1849	886432
AU	153m S	Refuse Heap	1974	861827
AU	153m S	Refuse Heap	1965	861827
AS	153m SW	Railway Station	1956	927520
H	174m NE	Colliery	1938	877136
H	176m NE	Colliery	1938	920156
H	176m NE	Colliery	1938	920156
AV	178m N	Power Station	1974	806268
AT	185m N	Railway Sidings	1974	879294
AT	186m NW	Railway Sidings	1906	861872
14	186m N	Railway Sidings	1938	953878
AW	186m NW	Railway Sidings	1947	991135
15	188m N	Rifle Range	1892	820308
AT	190m NW	Railway Sidings	1938	935237
AT	191m NW	Railway Sidings	1965	875120
AT	191m NW	Railway Sidings	1956	887284
AX	192m S	Unspecified Ground Workings	1956	813906
AX	201m S	Unspecified Pit	1906	828485
AX	201m S	Clay Pit	1938	963161
AX	201m S	Clay Pit	1925	963161
AT	201m NW	Electric Substation	1981	820062
AT	203m N	Railway Station	1906	969078
AT	203m N	Railway Station	1947	866155
H	204m N	Railway Sidings	1947	1009161
AX	204m S	Clay Pit	1947	977290



ID	Location	Land Use	Date	Group ID
AT	204m N	Railway Building	1956	853716
AT	205m N	Junction Station	1965	933198
AT	205m N	Railway Station	1892	969078
AZ	205m N	Railway Sidings	1938	897031
AT	206m N	Railway Station	1938	953471
AT	207m N	Railway Station	1938	931668
AZ	207m N	Tramway Sidings	1938	856524
BA	208m NE	Unspecified Tank	1981	851022
16	209m NE	Unspecified Works	1989	1000580
BB	213m S	Refuse Heap	1947	990193
BB	213m S	Refuse Heap	1947	893209
AT	216m N	Junction Station	1956	981623
AT	218m N	Railway Station	1974	990477
AT	219m NW	Railway Building	1938	853717
P	219m NW	Unspecified Commercial/Industrial	1947	936712
AT	219m N	Railway Station	1981	990477
AT	220m N	Railway Station	1849	986501
BD	222m NE	Unspecified Heap	1974	998751
BD	222m NE	Unspecified Heap	1965	998751
AW	225m N	Railway Sidings	1906	893410
AW	227m N	Railway Sidings	1938	861720
AT	231m NW	Railway Building	1956	853715
AY	236m N	Railway Building	1981	853711
AT	240m N	Railway Building	1956	853713
H	241m NE	Railway Sidings	1892	926515
BG	241m NE	Colliery	1892	903985
H	247m NE	Colliery	1947	878696
BH	248m E	Unspecified Tanks	1981	819697



ID	Location	Land Use	Date	Group ID
19	249m N	Railway Sidings	1981	979592
AW	252m NW	Railway Building	1981	853712
AZ	253m N	Railway Sidings	1956	878011
BC	258m N	Unspecified Tanks	1981	819696
H	258m NE	Colliery	1956	909459
22	259m SW	Railway Sidings	1956	941929
23	268m NW	Unspecified Depot	1981	821076
BH	268m E	Unspecified Tanks	1981	818954
AW	269m NW	Unspecified Works	1981	932239
BK	272m SW	Cuttings	1947	931050
BK	273m SW	Cuttings	1938	899789
BK	273m SW	Cuttings	1925	899789
BK	273m SW	Cuttings	1906	899789
BK	274m SW	Cuttings	1956	931050
AW	280m N	Unspecified Foundry	1938	874093
P	283m NW	Unspecified Tanks	1981	819142
AW	285m NW	Railway Building	1956	853714
H	287m NE	Railway Sidings	1906	863610
H	287m NE	Colliery	1906	865225
AW	288m NW	Unspecified Works	1981	931876
P	291m W	Unspecified Works	1981	835157
BM	292m SW	Sewage Tank	1925	884375
BM	292m SW	Sewage Tank	1947	980425
BM	292m SW	Sewage Tank	1947	980425
BM	293m SW	Sewage Tank	1906	943644
AW	298m NW	Unspecified Foundry	1892	939466
AW	298m NW	Unspecified Foundry	1906	939466
AW	298m NW	Unspecified Foundry	1947	920127



ID	Location	Land Use	Date	Group ID
BM	300m SW	Sewage Tank	1956	847424
AW	301m NW	Unspecified Foundry	1938	920127
AW	307m NW	Railway Building	1938	853708
P	311m NW	Glass Works	1906	821944
BO	315m SW	Police Station	1974	1005498
BO	315m SW	Police Station	1965	1005498
AW	316m NW	Unspecified Works	1974	874097
AW	316m NW	Unspecified Works	1965	874097
AW	316m NW	Unspecified Foundry	1956	996750
P	317m NW	Unspecified Commercial/Industrial	1974	938515
24	319m NE	Unspecified Heap	1892	843818
AW	321m NW	Unspecified Commercial/Industrial	1956	822174
AW	322m NW	Railway Building	1938	853709
BP	336m W	Unspecified Tank	1981	849331
AW	338m NW	Railway Building	1938	854238
BQ	350m W	Unspecified Pit	1974	928652
BQ	350m W	Unspecified Pit	1965	928652
BR	351m N	Unspecified Heap	1965	938489
BR	355m N	Unspecified Heap	1974	893043
26	379m W	Brick Field	1849	806845
BS	384m SE	Nursery	1974	935515
BS	384m SE	Nursery	1981	935515
BS	384m SE	Nursery	1965	935515
BS	384m SE	Nursery	1956	893694
BP	389m W	Unspecified Ground Workings	1892	813908
27	391m N	Rifle Range	1892	820307
BS	392m SE	Nursery	1938	888820
BS	392m SE	Nursery	1925	888820



ID	Location	Land Use	Date	Group ID
BS	395m SE	Nursery	1947	999422
AZ	418m NE	Unspecified Tanks	1981	946140
AZ	423m NE	Unspecified Tanks	1974	866597
AZ	423m NE	Unspecified Tanks	1965	866597
28	426m SW	Refuse Heap	1849	809069
BV	427m NE	Unspecified Heap	1906	948486
BW	432m S	Sewage Works	1981	939608
H	432m NE	Unspecified Heap	1892	843817
BG	435m NE	Unspecified Pit	1947	906188
BG	435m NE	Unspecified Pit	1938	917457
BG	435m NE	Unspecified Pit	1938	917457
BX	436m NE	Refuse Heap	1947	941420
29	436m NW	Engine House	1849	822731
31	442m NW	Sand Pit	1906	826908
H	444m NE	Unspecified Heap	1892	948486
BX	450m NE	Refuse Heap	1956	941420
CA	452m NE	Refuse Heap	1965	986233
BV	453m NE	Refuse Heap	1947	962117
32	457m W	Corn Mill	1849	811780
BW	457m S	Unspecified Works	1974	995575
BW	457m S	Unspecified Works	1965	995575
BW	457m S	Sewage Works	1956	883221
CA	458m NE	Unspecified Disused Tip	1989	973409
33	458m NE	Refuse Heap	1978	986233
34	460m NW	Brewery	1892	808336
CB	463m NE	Unspecified Disused Tip	1981	973409
BW	463m S	Sewage Works	1947	942537
BW	463m S	Sewage Works	1947	942537



ID	Location	Land Use	Date	Group ID
CB	465m NE	Refuse Heap	1974	986233
CB	465m NE	Refuse Heap	1965	986233
BW	470m S	Sewage Works	1938	954742
BW	470m S	Sewage Works	1925	954742
CB	470m NE	Refuse Heap	1956	881762
36	476m NE	Refuse Heap	1956	881762
H	480m NE	Refuse Heap	1938	876044
H	480m NE	Refuse Heap	1938	876044
CB	481m NE	Refuse Heap	1938	916422
37	482m NE	Unspecified Ground Workings	1906	815826
H	486m NE	Refuse Heap	1938	1005719
H	486m NE	Refuse Heap	1938	1005719
BY	489m NW	Pump	1849	834376
H	493m NE	Unspecified Pit	1938	958320
H	493m NE	Unspecified Pit	1938	958320
BW	496m S	Unspecified Tank	1956	851018

This data is sourced from Ordnance Survey / Groundsure.

2.2 Historical tanks

Records within 500m

148

Tank features digitised from historical Ordnance Survey mapping at high-detail 1:1,250 and 1:2,500 scale. Any records shown are available intelligently grouped in section 1. Grouped and the original un-grouped features can be cross-referenced across sections 1 and 2 using the 'Group ID'.

Features are displayed on the Past land use - un-grouped map on [page 31](#) >

ID	Location	Land Use	Date	Group ID
B	3m SW	Unspecified Tank	1893	136864
B	3m SW	Unspecified Tank	1907	136864
B	3m SW	Unspecified Tank	1928	136864
B	3m SW	Unspecified Tank	1937	136864



ID	Location	Land Use	Date	Group ID
B	9m SW	Unspecified Tank	1962	114792
AD	40m W	Unspecified Tank	1962	114790
AF	45m NE	Unspecified Tank	1957	135153
AF	46m NE	Unspecified Tank	1962	145676
AF	46m NE	Unspecified Tank	1958	145676
AD	48m W	Unspecified Tank	1962	114791
AJ	50m NE	Unspecified Tank	1984	140378
AJ	52m NE	Unspecified Tank	1994	140378
Y	59m N	Unspecified Tank	1973	114787
E	60m NW	Unspecified Tank	1994	127515
E	60m NW	Unspecified Tank	1989	143457
E	63m NW	Unspecified Tank	1994	135905
E	64m NW	Unspecified Tank	1989	135905
AN	96m NE	Unspecified Tank	1962	145264
AN	96m NE	Unspecified Tank	1958	145264
AN	96m NE	Unspecified Tank	1957	141057
AB	121m NE	Unspecified Tank	1957	148016
AB	122m NE	Unspecified Tank	1962	136754
AB	122m NE	Unspecified Tank	1958	136754
AQ	132m N	Unspecified Tank	1959	128023
E	132m NW	Tanks	1989	128349
E	132m NW	Tanks	1978	130968
AQ	133m N	Unspecified Tank	1957	140643
E	133m NW	Unspecified Tank	1994	114794
U	134m S	Unspecified Tank	1962	114793
E	139m NW	Tanks	1978	154011
E	139m NW	Tanks	1989	138924
AP	140m NE	Unspecified Tank	1957	140838



ID	Location	Land Use	Date	Group ID
AP	141m NE	Unspecified Tank	1962	128014
AP	141m NE	Unspecified Tank	1958	128014
AO	144m NW	Unspecified Tank	1994	156004
AR	144m NW	Unspecified Tank	1989	154036
AO	145m NW	Unspecified Tank	1978	151185
AR	145m NW	Unspecified Tank	1994	154036
AO	145m NW	Unspecified Tank	1989	156004
AC	164m W	Unspecified Tank	1962	114789
AC	170m W	Unspecified Tank	1962	114788
K	177m E	Unspecified Tank	1984	119668
AT	191m NW	Unspecified Tank	1928	140816
AT	191m NW	Unspecified Tank	1892	143298
AT	194m NW	Unspecified Tank	1959	140816
AT	195m NW	Unspecified Tank	1957	140816
BA	206m NE	Unspecified Tank	1957	152678
BA	206m NE	Unspecified Tank	1962	128128
BA	206m NE	Unspecified Tank	1958	128128
BC	214m NE	Unspecified Tank	1978	114796
BC	217m N	Filter Tank	1978	144738
AA	218m W	Unspecified Tank	1962	127015
AA	218m W	Unspecified Tank	1956	127015
AA	219m W	Unspecified Tank	1983	152688
AA	219m W	Unspecified Tank	1983	152688
AA	219m W	Unspecified Tank	1987	152688
S	221m NE	Unspecified Tank	1978	138600
S	221m NE	Unspecified Tank	1988	138600
O	223m NW	Unspecified Tank	1987	147434
O	224m NW	Unspecified Tank	1982	147434



ID	Location	Land Use	Date	Group ID
BC	228m N	Filter Tank	1978	144738
BC	230m N	Tanks	1978	127410
BC	230m N	Tanks	1957	127410
BC	230m N	Tanks	1962	127410
BC	230m N	Tanks	1958	127410
BC	231m N	Tanks	1988	127410
BE	231m SW	Unspecified Tank	1981	150076
BE	232m SW	Unspecified Tank	1975	150076
BF	234m W	Unspecified Tank	1983	126810
BF	234m W	Unspecified Tank	1983	126810
BC	239m N	Unspecified Tank	1978	155858
BC	239m N	Unspecified Tank	1988	155858
18	242m NE	Tanks	1988	110224
BC	243m N	Unspecified Tank	1988	121149
O	243m NW	Tanks	1987	110727
BC	248m NE	Tanks	1978	136675
BC	249m NE	Tanks	1988	136675
20	250m SW	Unspecified Tank	1975	114786
BC	250m N	Unspecified Tank	1978	153197
BC	250m N	Unspecified Tank	1988	153197
21	254m SW	Unspecified Tank	1975	121156
BI	254m NW	Unspecified Tank	1994	143963
BI	255m NW	Unspecified Tank	1989	143963
BI	255m NW	Unspecified Tank	1978	147431
BC	263m N	Tanks	1978	134603
BC	264m N	Tanks	1988	144578
BF	268m W	Unspecified Tank	1962	143790
BF	268m W	Unspecified Tank	1956	147243



ID	Location	Land Use	Date	Group ID
BC	269m N	Tanks	1988	108510
BC	274m N	Settling Tank	1978	133680
BC	274m N	Settling Tank	1988	133680
BC	274m N	Tanks	1988	128979
P	289m NW	Unspecified Tank	1978	148778
P	289m NW	Unspecified Tank	1989	152512
BM	295m SW	Sewage Tank	1907	133906
BM	295m SW	Sewage Tank	1928	133906
BM	295m SW	Sewage Tank	1937	133906
BH	306m E	Unspecified Tank	1988	121155
P	309m NW	Unspecified Tank	1978	149273
P	310m NW	Unspecified Tank	1989	156029
AW	310m NW	Tank or Trough	1882	113716
AW	312m NW	Tanks	1892	110719
BN	315m NE	Settling Tank	1988	145058
AW	315m NW	Unspecified Tank	1957	121162
BN	315m NE	Settling Tank	1978	145058
AW	324m NW	Tank or Trough	1882	112920
P	324m NW	Unspecified Tank	1989	145315
P	325m NW	Unspecified Tank	1978	129594
AW	326m NW	Unspecified Tank	1987	121159
BH	327m E	Unspecified Tank	1988	119662
P	330m NW	Unspecified Tank	1978	143339
P	331m NW	Unspecified Tank	1989	150803
BP	331m W	Unspecified Tank	1994	114795
AW	332m NW	Unspecified Tank	1987	129447
BP	334m W	Unspecified Tank	1978	136597
AW	334m NW	Unspecified Tank	1994	145361



ID	Location	Land Use	Date	Group ID
AW	334m NW	Unspecified Tank	1995	145361
AW	334m NW	Unspecified Tank	1995	145361
AW	334m NW	Unspecified Tank	1994	145361
AW	334m NW	Unspecified Tank	1995	145361
BP	334m W	Unspecified Tank	1989	132679
P	334m NW	Unspecified Tank	1894	121151
AW	335m NW	Unspecified Tank	1892	119666
BP	348m W	Tanks	1928	108509
BP	372m W	Unspecified Tank	1978	135775
BP	372m W	Unspecified Tank	1989	129420
BP	372m W	Unspecified Tank	1994	129420
H	398m NE	Tanks	1928	110720
H	419m NE	Unspecified Tank	1928	119661
AZ	422m NE	Unspecified Tank	1957	144041
AZ	422m NE	Unspecified Tank	1983	144041
AZ	422m NE	Unspecified Tank	1962	144041
AZ	422m NE	Unspecified Tank	1958	144041
H	425m NE	Tanks	1962	131028
H	425m NE	Tanks	1958	131028
H	425m NE	Tanks	1957	131028
AZ	425m NE	Unspecified Tank	1957	130906
H	426m NE	Tanks	1983	131028
AZ	426m NE	Unspecified Tank	1962	149690
AZ	426m NE	Unspecified Tank	1958	149690
AZ	426m NE	Unspecified Tank	1983	149690
BY	440m NW	Pump and Tank	1882	114633
BZ	447m W	Unspecified Tank	1962	137713
BZ	447m W	Unspecified Tank	1956	132664



ID	Location	Land Use	Date	Group ID
H	457m NE	Unspecified Tank	1983	153151
H	457m NE	Unspecified Tank	1984	153151
BW	483m S	Unspecified Tank	1977	121167
BW	500m S	Unspecified Tank	1961	121165

This data is sourced from Ordnance Survey / Groundsure.

2.3 Historical energy features

Records within 500m	82
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Energy features digitised from historical Ordnance Survey mapping at high-detail 1:1,250 and 1:2,500 scale. Any records shown are available intelligently grouped in section 1. Grouped and the original un-grouped features can be cross-referenced across sections 1 and 2 using the 'Group ID'.

Features are displayed on the Past land use - un-grouped map on [page 31 >](#)

ID	Location	Land Use	Date	Group ID
I	6m SW	Electricity Substation	1987	73467
I	6m SW	Electricity Substation	1987	73467
I	6m SW	Electricity Substation	1985	73467
S	13m NE	Power Station	1988	92359
S	13m NE	Power Station	1978	87229
S	13m NE	Disused Power Station	1994	68328
V	17m N	Electricity Substation	1978	70220
V	17m N	Electricity Substation	1994	79889
V	17m N	Electricity Substation	1988	79889
Y	20m N	Electricity Substation	1994	65701
Z	32m NE	Electricity Substation	1984	71692
Z	34m NE	Electricity Substation	1994	71692
D	57m NW	Electricity Substation	1994	73215
D	59m NW	Electricity Substation	1978	86792
D	60m NW	Electricity Substation	1989	78859
AM	73m NW	Electricity Substation	1994	75866



ID	Location	Land Use	Date	Group ID
AM	73m NW	Electricity Substation	1978	82590
AM	74m NW	Electricity Substation	1989	70681
E	87m NW	Electricity Substation	1994	65702
AO	96m NW	Electricity Substation	1989	80281
AO	98m NW	Electricity Substation	1983	73831
10	105m NW	Electricity Substation	1989	65957
AC	117m W	Electricity Substation	1983	81287
AC	117m W	Electricity Substation	1983	81287
AC	117m W	Electricity Substation	1987	81287
AP	118m NE	Power Station	1983	68709
E	127m NW	Electricity Substation	1994	74594
E	129m NW	Electricity Substation	1978	89401
E	129m NW	Electricity Substation	1989	74594
AC	145m W	Electricity Substation	1994	85553
AC	146m W	Electricity Substation	1989	85553
AV	187m N	Power Station	1973	87229
AV	187m N	Power Station	1994	90592
AV	187m N	Power Station	1989	72382
AS	187m SW	Electricity Substation	1981	79397
AS	188m SW	Electricity Substation	1975	79397
O	193m NW	Electricity Substation	1989	85842
O	193m NW	Electricity Substation	1978	91742
O	193m NW	Electricity Substation	1994	85842
AT	196m N	Electricity Substation	1973	83693
AT	197m N	Electricity Substation	1989	83693
AT	203m NW	Electricity Substation	1987	81424
AT	203m NW	Electricity Substation	1982	81424
AT	203m NW	Electricity Substation	1994	81424



ID	Location	Land Use	Date	Group ID
AT	203m NW	Electricity Substation	1995	81424
AT	203m NW	Electricity Substation	1995	81424
AT	203m NW	Electricity Substation	1994	81424
AT	203m NW	Electricity Substation	1995	81424
17	211m SW	Electricity Substation	1975	65732
BL	289m W	Electricity Substation	1981	71562
BL	290m W	Electricity Substation	1975	71562
AW	369m NW	Electricity Substation	1982	72985
AW	369m NW	Electricity Substation	1987	72985
AW	371m NW	Electricity Substation	1994	88707
AW	371m NW	Electricity Substation	1995	88707
AW	371m NW	Electricity Substation	1995	88707
AW	371m NW	Electricity Substation	1994	88707
AW	371m NW	Electricity Substation	1995	88707
25	374m SW	Electricity Substation	1975	65729
P	387m NW	Electricity Substation	1994	91044
P	388m NW	Electricity Substation	1989	91044
P	388m NW	Electricity Substation	1978	75540
BT	407m SW	Electricity Substation	1975	89668
BT	407m SW	Electricity Substation	1991	91058
BT	407m SW	Electricity Substation	1991	91058
BU	416m W	Electricity Substation	1996	73459
BU	416m W	Electricity Substation	1994	73459
BU	416m W	Electricity Substation	1995	73459
BU	416m W	Electricity Substation	1981	73459
BU	416m W	Electricity Substation	1989	73459
CC	467m N	Electricity Substation	1994	73039
CC	468m N	Electricity Substation	1989	73039



ID	Location	Land Use	Date	Group ID
CC	468m N	Electricity Substation	1989	73039
CC	468m N	Electricity Substation	1971	81434
35	471m W	Electricity Substation	1981	65728
CD	483m NW	Electricity Substation	1982	87073
CD	484m NW	Electricity Substation	1994	85338
CD	484m NW	Electricity Substation	1995	85338
CD	484m NW	Electricity Substation	1995	85338
CD	484m NW	Electricity Substation	1994	85338
CD	484m NW	Electricity Substation	1995	85338
CD	484m NW	Electricity Substation	1987	85338

This data is sourced from Ordnance Survey / Groundsure.

2.4 Historical petrol stations

Records within 500m	0
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Petrol stations digitised from historical Ordnance Survey mapping at high-detail 1:1,250 and 1:2,500 scale. Any records shown are available intelligently grouped in section 1. Grouped and the original un-grouped features can be cross-referenced across sections 1 and 2 using the 'Group ID'.

This data is sourced from Ordnance Survey / Groundsure.

2.5 Historical garages

Records within 500m	20
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Garages digitised from historical Ordnance Survey mapping at high-detail 1:1,250 and 1:2,500 scale. Any records shown are available intelligently grouped in section 1. Grouped and the original un-grouped features can be cross-referenced across sections 1 and 2 using the 'Group ID'.

Features are displayed on the Past land use - un-grouped map on [page 31](#) >

ID	Location	Land Use	Date	Group ID
AI	53m NW	Car Breakers Yard	1989	22151
AK	63m NW	Car Breakers Yard	1987	24378
AK	63m NW	Car Breakers Yard	1995	24378



ID	Location	Land Use	Date	Group ID
AK	63m NW	Car Breakers Yard	1995	24378
AK	63m NW	Car Breakers Yard	1994	24378
AK	63m NW	Car Breakers Yard	1995	24378
AK	63m NW	Car Breakers Yard	1994	24378
AK	63m NW	Car Breakers Yard	1982	25993
9	66m N	Garage	1989	22553
AH	81m N	Car Breakers Yard	1994	24933
AT	152m NW	Car Breakers Yard	1973	22947
13	161m N	Car Breakers Yard	1989	24933
AY	199m N	Garage	1994	25174
AY	232m N	Garage	1989	25174
BJ	268m N	Garage	1994	26426
BJ	268m N	Garage	1989	24651
BJ	269m N	Garage	1973	24651
BJ	272m N	Garage	1959	28518
BJ	273m N	Garage	1957	28518
30	441m N	Car Breakers Yard	1988	22150

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- Site Outline
- Search buffers in metres (m)
-  Historical landfill (EA/NRW)
 -  Historical waste sites
 -  Licensed waste sites
 -  Waste exemptions

Records within 500m	0
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Records within 500m	0
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 Contact us with any questions at:
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 01273 257 755

Date: 14 November 2024



3.3 Historical landfill (LA/mapping records)

Records within 500m

0

Landfill sites identified from Local Authority records and high detail historical mapping.

This data is sourced from the Ordnance Survey/Groundsure and Local Authority records.

3.4 Historical landfill (EA/NRW records)

Records within 500m

1

Known historical (closed) landfill sites (e.g. sites where there is no PPC permit or waste management licence currently in force). This includes sites that existed before the waste licensing regime and sites that have been licensed in the past but where a licence has been revoked, ceased to exist or surrendered and a certificate of completion has been issued.

Features are displayed on the Waste and landfill map on [page 53 >](#)

ID	Location	Details		
4	133m N	Site Address: Bold Power Station Sidings Landfill, St. Helens Junction, Merseyside Licence Holder Address: Beckwith Knowle, Otley Road, Harrogate, North Yorkshire	Waste Licence: Yes Site Reference: 166/04, GDO M151 Waste Type: Liquid sludge Environmental Permitting Regulations (Waste) Reference: - Licence Issue: 17/08/1990 Licence Surrender: 28/02/1991	Operator: National Power Plc Licence Holder: National Power Plc (Properties) Central Electricity Generating Board First Recorded 01/10/1985 Last Recorded: 01/02/1991

This data is sourced from the Environment Agency and Natural Resources Wales.

3.5 Historical waste sites

Records within 500m

27

Waste site records derived from Local Authority planning records and high detail historical mapping.

Features are displayed on the Waste and landfill map on [page 53 >](#)

ID	Location	Address	Further Details	Date
A	On site	Site Address: P & R Laboratory Supplies Ltd, 5 Brindley Road, Bold, ST. HELENS, Merseyside, WA9 4HY	Type of Site: Waste Transfer Planning application reference: P/01/0272 Description: Use of enclosed yard for waste transfer and operation of a waste shredder. An application (ref: P/01/0272) for Detailed Planning permission was submitted to St. Helens B.C. on 9th March 2001. Data source: Historic Planning Application Data Type: Point	-



ID	Location	Address	Further Details	Date
A	On site	Site Address: Brindley Road, Bold, Reginald Road, Industrial Estat, ST. HELENS, Merseyside, WA9 4HY	Type of Site: Waste Transfer Station Planning application reference: P/2003/0630 Description: Scheme comprises change of use of existing building to waste management facility, includes the transfer of non-acidic flammable material. An application (ref: P/2003/0630) for Detailed Planning permission was withdrawn from St. Helens B.C. on 15th July 2003. We are advised that this scheme is currently being held in abeyance due to planning issues. We are advised that a third planning application was withdrawn. Data source: Historic Planning Application Data Type: Point	-
B	On site	Site Address: 5 Brindley Road, ST. HELENS, Merseyside, WA9 4HY	Type of Site: Waste Transfer Station (extn) Planning application reference: 0793/087 Description: Comprises extn for drum storage (40 x 200L) An application (ref: 0793/087) for Detailed Planning permission was submitted to St. Helens B.C. on 23rd July 1993. Data source: Historic Planning Application Data Type: Point	-
B	On site	Site Address: Land Adj To 8A Reginald Rd, Brindley Road, Reginald Road, Industrial Estat, St. Helens, Merseyside, WA9 4HY	Type of Site: Waste Recycling Centre Planning application reference: P/2015/0322 Description: Scheme comprises change of use of buildings and yard area to a waste recycling centre. Data source: Historic Planning Application Data Type: Point	18/08/2015
J	53m NW	Site Address: N/A	Type of Site: Breakers Yard Planning application reference: N/A Description: N/A Data source: Historic Mapping Data Type: Polygon	1994
J	53m NW	Site Address: N/A	Type of Site: Car Breakers Yard Planning application reference: N/A Description: N/A Data source: Historic Mapping Data Type: Polygon	1989
L	63m NW	Site Address: N/A	Type of Site: Car Breakers Yard Planning application reference: N/A Description: N/A Data source: Historic Mapping Data Type: Polygon	1987



ID	Location	Address	Further Details	Date
L	63m NW	Site Address: N/A	Type of Site: Car Breakers Yard Planning application reference: N/A Description: N/A Data source: Historic Mapping Data Type: Polygon	1994
L	63m NW	Site Address: N/A	Type of Site: Car Breakers Yard Planning application reference: N/A Description: N/A Data source: Historic Mapping Data Type: Polygon	1995
L	63m NW	Site Address: N/A	Type of Site: Car Breakers Yard Planning application reference: N/A Description: N/A Data source: Historic Mapping Data Type: Polygon	1995
L	63m NW	Site Address: N/A	Type of Site: Car Breakers Yard Planning application reference: N/A Description: N/A Data source: Historic Mapping Data Type: Polygon	1994
L	63m NW	Site Address: N/A	Type of Site: Car Breakers Yard Planning application reference: N/A Description: N/A Data source: Historic Mapping Data Type: Polygon	1995
L	63m NW	Site Address: N/A	Type of Site: Car Breakers Yard Planning application reference: N/A Description: N/A Data source: Historic Mapping Data Type: Polygon	1982
M	64m W	Site Address: Estate Road, Reginald Road, Ind. Estate, ST. HELENS, Merseyside	Type of Site: Waste Transfer Building Planning application reference: 0895/042 Description: Erection of extension to be used as waste transfer station. Construction - roller shutter x 1 doors. An application (ref: 0895/042) for Detailed Planning permission was submitted to St. Helens B.C. on 11th August 1995. Data source: Historic Planning Application Data Type: Point	-
O	81m N	Site Address: N/A	Type of Site: Car Breakers Yard Planning application reference: N/A Description: N/A Data source: Historic Mapping Data Type: Polygon	1994



ID	Location	Address	Further Details	Date
P	81m NE	Site Address: 12B, Neills Road, Bold Industrial Park, Bold, ST. HELENS, Merseyside, WA9 4TU	Type of Site: Waste Holding Tank Planning application reference: P/2007/0943 Description: Scheme comprises temporary permission for construction of a waste holding tank. An application (ref: P/2007/0943) for detailed planning permission was granted by St. Helens B.C. Planning decision obtained Data source: Historic Planning Application Data Type: Point	-
R	86m W	Site Address: 1 & 2, Abbotsfield Road, Industrial Estate Abbotsfield, ST. HELENS, Merseyside, WA9 4HU	Type of Site: Waste Transfer Station Planning application reference: P/2009/0840 Description: Scheme comprises change of use from storage (B8) to a clinical and healthcare waste transfer station with treatment (B2). An application (ref: P/2009/0840) for detailed planning permission was granted by St. Helens B.C. A detailed planning application has been granted. Data source: Historic Planning Application Data Type: Point	28/03/2010
T	118m NE	Site Address: Bold Recycling & Skip Hire, Neills Road, Bold, ST. HELENS, Merseyside, WA9 4TU	Type of Site: Recycling Centre (Conversion) Planning application reference: P/2007/0823 Description: Scheme comprises change of use to recycling centre. An application (ref: P/2007/0823) for detailed planning permission was granted by St. Helens B.C. Planning decision obtained Data source: Historic Planning Application Data Type: Point	-
U	151m NW	Site Address: N/A	Type of Site: Scrap Yard Planning application reference: N/A Description: N/A Data source: Historic Mapping Data Type: Polygon	1994
U	152m NW	Site Address: N/A	Type of Site: Car Breakers Yard Planning application reference: N/A Description: N/A Data source: Historic Mapping Data Type: Polygon	1973
U	152m NW	Site Address: N/A	Type of Site: Breakers Yard Planning application reference: N/A Description: N/A Data source: Historic Mapping Data Type: Polygon	1989



ID	Location	Address	Further Details	Date
O	161m N	Site Address: N/A	Type of Site: Car Breakers Yard Planning application reference: N/A Description: N/A Data source: Historic Mapping Data Type: Polygon	1989
8	285m NW	Site Address: 26 Station Road, (and, Sutton, ST. HELENS, Merseyside, WA9 3JH	Type of Site: Waste Transfer Station (C/U) Planning application reference: 1095/060 Description: Use as waste transfer station and soil recycling operation with new screening plant, tyre wash and landscaping. An application (ref: 1095/060) for Detailed Planning permission was submitted to St. Helens B.C. on 5th October 1995. Data source: Historic Planning Application Data Type: Point	-
9	383m W	Site Address: Silverdale House, 12 Abbotsfield Road, Reginald Road, Industrial Estat, ST. HELENS, Merseyside, WA9 4HU	Type of Site: Waste Transfer Station/Portable Cabin Planning application reference: P/2009/0727 Description: Scheme comprises construction of steel portal framed building for use as waste transfer station with aggregates recycling facility, construction of a 2.4m high fence and gates to site, and a temporary portable cabin. Construction - pitched roof; portal steel frame; fencing site works. An application (ref: P/2009/0727) for detailed planning permission was granted by St. Helens B.C. A detailed planning application has been granted. Data source: Historic Planning Application Data Type: Point	10/03/2010
AB	441m N	Site Address: N/A	Type of Site: Car Breakers Yard Planning application reference: N/A Description: N/A Data source: Historic Mapping Data Type: Polygon	1988
AB	452m N	Site Address: N/A	Type of Site: Scrap Yard Planning application reference: N/A Description: N/A Data source: Historic Mapping Data Type: Polygon	1994
10	496m N	Site Address: N/A	Type of Site: Scrap Yard Planning application reference: N/A Description: N/A Data source: Historic Mapping Data Type: Polygon	1994

This data is sourced from Ordnance Survey/Groundsure and Local Authority records.



3.6 Licensed waste sites

Records within 500m

27

Active or recently closed waste sites under Environment Agency/Natural Resources Wales regulation.

Features are displayed on the Waste and landfill map on [page 53](#) >

ID	Location	Details		
1	On site	Site Name: P & R Disposal Services Site Address: Unit 5 Reginald Road Ind Est, Brindley Road, St Helens, Merseyside, WA9 4HY Correspondence Address: -	Type of Site: Special Waste Transfer Station Size: 25000 tonnes Environmental Permitting Regulations (Waste) Licence Number: 656937 EPR reference: EA/EPR/RP3492CY Operator: Mulberry Waste Limited Waste Management licence No: 53597 Annual Tonnage: 417	Issue Date: 12/09/1993 Effective Date: 12/09/1993 Modified: - Surrendered Date: - Expiry Date: - Cancelled Date: - Status: Revoked
E	26m NE	Site Name: Cogran Industries Ltd Site Address: Bold Industrial Park, Neills Road, St Helens, Merseyside, WA9 4TU Correspondence Address: -	Type of Site: Material Recycling Treatment Facility Size: >= 25000 tonnes 75000 tonnes Environmental Permitting Regulations (Waste) Licence Number: CRL002 EPR reference: EA/EPR/WP3696CN/A001 Operator: Cogran Reclamation Ltd Waste Management licence No: 53837 Annual Tonnage: 6250	Issue Date: 09/06/1992 Effective Date: - Modified: - Surrendered Date: - Expiry Date: - Cancelled Date: - Status: Expired
E	26m NE	Site Name: Cogran Industries Ltd Site Address: Bold Industrial Park, Neills Road, St Helens, Merseyside, WA9 4TU Correspondence Address: -	Type of Site: Material Recycling Treatment Facility Size: 25000 tonnes Environmental Permitting Regulations (Waste) Licence Number: 646890 EPR reference: EA/EPR/WP3696CN Operator: Cogran Reclamation Limited Waste Management licence No: 53837 Annual Tonnage: 6250	Issue Date: 09/06/1992 Effective Date: 09/06/1992 Modified: - Surrendered Date: - Expiry Date: - Cancelled Date: - Status: Expired



ID	Location	Details		
3	43m N	Site Name: Kris Motor Spares Ltd Site Address: Land/ Premises At, Normans Road, Sutton, St Helens, Merseyside, WA9 4JQ Correspondence Address: -	Type of Site: Metal Recycling Site (Vehicle Dismantler) Size: 25000 tonnes Environmental Permitting Regulations (Waste) Licence Number: 629504 EPR reference: EA/EPR/MP3991CP Operator: Kris Motor Spares Limited Waste Management licence No: 53954 Annual Tonnage: 2500	Issue Date: 30/01/1989 Effective Date: 30/01/1989 Modified: - Surrendered Date: - Expiry Date: - Cancelled Date: - Status: Issued
H	50m E	Site Name: Plastic Reclamation Site Address: Land/premises At, Neills Road, Bold Industrial Park, St Helens, Merseyside, WA9 4TU Correspondence Address: -	Type of Site: Material Recycling Treatment Facility Size: 25000 tonnes Environmental Permitting Regulations (Waste) Licence Number: PLA005 EPR reference: EA/EPR/QP3198CS/A001 Operator: Plastic Reclamation Limited Waste Management licence No: 50173 Annual Tonnage: 20000	Issue Date: 06/08/2003 Effective Date: - Modified: - Surrendered Date: - Expiry Date: - Cancelled Date: - Status: Issued
H	50m E	Site Name: Plastic Reclamation Site Address: Land/premises At, Neills Road, Bold Industrial Park, St Helens, Merseyside, WA9 4TU Correspondence Address: -	Type of Site: Material Recycling Treatment Facility Size: 25000 tonnes Environmental Permitting Regulations (Waste) Licence Number: 633997 EPR reference: EA/EPR/QP3198CS Operator: Plastic Reclamation Limited Waste Management licence No: 50173 Annual Tonnage: 20000	Issue Date: 06/08/2003 Effective Date: 06/08/2003 Modified: - Surrendered Date: - Expiry Date: - Cancelled Date: - Status: Revoked
J	60m NW	Site Name: The Sheppard Group Ltd Site Address: Penlake Ind Est, Reginald Road, St Helens, Merseyside, WA9 4JA Correspondence Address: -	Type of Site: Material Recycling Treatment Facility Size: >= 75000 tonnes Environmental Permitting Regulations (Waste) Licence Number: SGL001 EPR reference: EA/EPR/XP3991CF/S003 Operator: The Sheppard Group Ltd Waste Management licence No: 53974 Annual Tonnage: 0	Issue Date: 05/09/1988 Effective Date: - Modified: 11/12/2009 Surrendered Date: Jun 22 2018 12:00AM Expiry Date: - Cancelled Date: - Status: Surrendered



ID	Location	Details		
J	60m NW	Site Name: The Sheppard Group Ltd Site Address: Penlake Ind Est, Reginald Road, St Helens, Merseyside, WA9 4JA Correspondence Address: -	Type of Site: Material Recycling Treatment Facility Size: 25000 tonnes Environmental Permitting Regulations (Waste) Licence Number: 632472 EPR reference: EA/EPR/XP3991CF Operator: Sheppard Group Limited Waste Management licence No: 53974 Annual Tonnage: 0	Issue Date: 05/09/1988 Effective Date: 05/09/1988 Modified: - Surrendered Date: 05/09/1988 Expiry Date: - Cancelled Date: - Status: Surrendered
G	70m NW	Site Name: Brindey Road Recycling Centre Site Address: Brindley Road, St Helens, Merseyside, WA9 4HY Correspondence Address: -	Type of Site: 75kte HCI Waste TS + treatment Size: >= 25000 tonnes 75000 tonnes Environmental Permitting Regulations (Waste) Licence Number: 654245 EPR reference: EA/EPR/GB3708UT Operator: St Helens Skip Hire Limited Waste Management licence No: 405870 Annual Tonnage: 74999	Issue Date: 11/03/2019 Effective Date: 11/03/2019 Modified: - Surrendered Date: - Expiry Date: - Cancelled Date: - Status: Issued
M	92m NW	Site Name: The Recycling Centre Site Address: The Recycling Centre, Abbotsfield Road, Reginald Road Ind Est, St Helens, Merseyside, WA9 4HU Correspondence Address: -	Type of Site: 75kte HCI Waste TS + treatment Size: 25000 tonnes Environmental Permitting Regulations (Waste) Licence Number: HEL024 EPR reference: EA/EPR/DB3637WG/V003 Operator: St Helens Waste Recycling Ltd Waste Management licence No: 103651 Annual Tonnage: 74999	Issue Date: 18/11/2011 Effective Date: - Modified: 25/09/2014 Surrendered Date: - Expiry Date: - Cancelled Date: - Status: Modified



ID	Location	Details		
M	92m NW	Site Name: The Recycling Centre Site Address: The Recycling Centre, Abbotsfield Road, St Helens, Merseyside, WA9 4HU Correspondence Address: -	Type of Site: 75kte HCI Waste TS + treatment Size: >= 25000 tonnes 75000 tonnes Environmental Permitting Regulations (Waste) Licence Number: 641902 EPR reference: EA/EPR/DB3637WG Operator: St Helens Waste Recycling Limited Waste Management licence No: 103651 Annual Tonnage: 74999	Issue Date: 18/11/2011 Effective Date: 18/11/2011 Modified: 18/11/2011 Surrendered Date: - Expiry Date: - Cancelled Date: - Status: Issued
S	109m NW	Site Name: Shanks & Mc Ewan Ltd Site Address: 1, Jackson Street, Birkenhead, Merseyside, CH41 5DJ Correspondence Address: 1, Jackson Street, Birkenhead, Merseyside, CH41 5DJ	Type of Site: Household, Commercial & Industrial Waste T Stn Size: >= 25000 tonnes 75000 tonnes Environmental Permitting Regulations (Waste) Licence Number: SWS002 EPR reference: - Operator: Shanks Midlands Ltd Waste Management licence No: 53885 Annual Tonnage: 6250	Issue Date: 10/09/1991 Effective Date: - Modified: - Surrendered Date: - Expiry Date: - Cancelled Date: - Status: Issued
S	109m NW	Site Name: The Sheppard Group Ltd Site Address: Penlake Ind Est, Reginald Road, St. Helens, Merseyside, WA9 4JA Correspondence Address: Penlake Ind Est, Reginald Road, St Helens, Merseyside, WA9 4JA	Type of Site: Metal Recycling Site (mixed MRS's) Size: >= 75000 tonnes Environmental Permitting Regulations (Waste) Licence Number: SGL001 EPR reference: - Operator: The Sheppard Group Ltd Waste Management licence No: 53974 Annual Tonnage: 0	Issue Date: 05/09/1988 Effective Date: - Modified: - Surrendered Date: - Expiry Date: - Cancelled Date: - Status: Issued
R	110m W	Site Name: Intercare Distribution Services Ltd Site Address: Units 1&2, Abbotsfield Road, Reginald Industrial Estat, St Helens, Merseyside, WA9 4HU Correspondence Address: -	Type of Site: Clinical Waste Transfer Station + treatment Size: 25000 tonnes Environmental Permitting Regulations (Waste) Licence Number: 640937 EPR reference: EA/EPR/FP3594EW Operator: Intercare Distribution Services Limited Waste Management licence No: 101345 Annual Tonnage: 0	Issue Date: 07/01/2010 Effective Date: 07/01/2010 Modified: - Surrendered Date: 07/01/2010 Expiry Date: - Cancelled Date: - Status: Surrendered



ID	Location	Details		
J	114m NW	Site Name: Junction Car Brokers Site Address: 26, Station Road, Sutton, St Helens, Merseyside, WA9 3JG Correspondence Address: -	Type of Site: Metal Recycling Site (Vehicle Dismantler) Size: 25000 tonnes Environmental Permitting Regulations (Waste) Licence Number: 636693 EPR reference: EA/EPR/GP3594CV Operator: Geoffrey Waine Waste Management licence No: 50302 Annual Tonnage: 2500	Issue Date: 21/01/2005 Effective Date: 21/01/2005 Modified: - Surrendered Date: - Expiry Date: - Cancelled Date: - Status: Issued
T	123m NE	Site Name: Universal Tanker Solutions Limited Site Address: Unit 12a Bold Industrial Park, Neills Road, St Helens, Merseyside, WA9 4TU Correspondence Address: -	Type of Site: Physico-Chemical Treatment Facility Size: 25000 tonnes Environmental Permitting Regulations (Waste) Licence Number: UNI560 EPR reference: EA/EPR/MB3139AC/V002 Operator: Universal Tanker Solutions Limited Waste Management licence No: 100284 Annual Tonnage: 25000	Issue Date: 10/04/2008 Effective Date: 25/11/2012 Modified: 26/05/2016 Surrendered Date: - Expiry Date: - Cancelled Date: - Status: Modified
T	123m NE	Site Name: Universal Tanker Solutions Limited Site Address: Unit 12a Bold Industrial Park, Neills Road, St Helens, Merseyside, WA9 4TU Correspondence Address: -	Type of Site: Physico-Chemical Treatment Facility Size: >= 25000 tonnes 75000 tonnes Environmental Permitting Regulations (Waste) Licence Number: 656508 EPR reference: EA/EPR/MB3139AC Operator: Universal Tanker Solutions Limited Waste Management licence No: 100284 Annual Tonnage: 25000	Issue Date: 10/04/2008 Effective Date: 10/04/2008 Modified: 10/04/2008 Surrendered Date: - Expiry Date: - Cancelled Date: - Status: Issued



ID	Location	Details		
P	135m E	Site Name: Universal Tanker Services Llp Site Address: Unit 12a, Neills Road, Bold Industrial Park, St Helens, Merseyside, WA9 4TU Correspondence Address: -	Type of Site: Physico-Chemical Treatment Facility Size: 25000 tonnes Environmental Permitting Regulations (Waste) Licence Number: UTS001 EPR reference: EA/EPR/MP3698EH/A001 Operator: Universal Tanker Services L L P Waste Management licence No: 100284 Annual Tonnage: 24999	Issue Date: 10/04/2008 Effective Date: - Modified: - Surrendered Date: - Expiry Date: - Cancelled Date: - Status: Issued
P	135m E	Site Name: - Site Address: Unit 12a Bold Ind Est, Neills Road, St Helens, Merseyside, WA9 4TU Correspondence Address: Unit 12a, Neills Road, Bold Industrial Park, St Helens, Merseyside, WA9 4TU	Type of Site: Physico-Chemical Treatment Facility Size: 25000 tonnes Environmental Permitting Regulations (Waste) Licence Number: UTS001 EPR reference: - Operator: Universal Tanker Services Llp Waste Management licence No: 100284 Annual Tonnage: 0	Issue Date: 10/04/2008 Effective Date: - Modified: - Surrendered Date: - Expiry Date: - Cancelled Date: - Status: Issued
P	135m E	Site Name: Universal Tanker Solutions Ltd Site Address: Bold Industrial Park, Unit 12a, Neills Road, St Helens, Merseyside, WA9 4TU Correspondence Address: -	Type of Site: Physico-Chemical Treatment Facility Size: 25000 tonnes Environmental Permitting Regulations (Waste) Licence Number: UNI560 EPR reference: EA/EPR/MB3139AC/T001 Operator: Universal Tanker Solutions Ltd Waste Management licence No: 100284 Annual Tonnage: 24999	Issue Date: 10/04/2008 Effective Date: 25/11/2012 Modified: - Surrendered Date: 0 Expiry Date: - Cancelled Date: - Status: Transferred
5	155m N	Site Name: Kris Motor Spares Ltd Site Address: Normans Road, St Helens, Merseyside, WA9 4JQ Correspondence Address: Kris Motors, Normans Road, St Helens, Merseyside, WA9 4JQ	Type of Site: Metal Recycling Site (Vehicle Dismantler) Size: 25000 tonnes Environmental Permitting Regulations (Waste) Licence Number: KMS001 EPR reference: - Operator: Kris Motor Spares Ltd Waste Management licence No: 53954 Annual Tonnage: 416.66	Issue Date: 30/01/1989 Effective Date: - Modified: - Surrendered Date: - Expiry Date: - Cancelled Date: - Status: Issued



ID	Location	Details		
W	171m E	Site Name: Delleve Plastics Ltd Site Address: Bold Industrial Park, Unit 5 & 7, Neills Road, Bold, St Helens, Merseyside, WA9 4TU Correspondence Address: Bold Industrial Park, Neills Road, Bold, St Helens, Merseyside, WA9 4TU	Type of Site: Material Recycling Treatment Facility Size: 25000 tonnes Environmental Permitting Regulations (Waste) Licence Number: DEL002 EPR reference: - Operator: Delleve Plastics Ltd Waste Management licence No: 50364 Annual Tonnage: 0	Issue Date: 14/01/2005 Effective Date: - Modified: - Surrendered Date: - Expiry Date: - Cancelled Date: - Status: Issued
W	171m E	Site Name: J F C Plastics Ltd Site Address: Unit 5 & 7 Bold Industrial Park, Neills Road, Bold, St Helens, Merseyside, WA9 4TU Correspondence Address: -	Type of Site: Material Recycling Treatment Facility Size: 25000 tonnes Environmental Permitting Regulations (Waste) Licence Number: 632176 EPR reference: EA/EPR/DP3590LN Operator: J F C Plastics Limited Waste Management licence No: 50364 Annual Tonnage: 0	Issue Date: 14/01/2005 Effective Date: 14/01/2005 Modified: - Surrendered Date: - Expiry Date: - Cancelled Date: - Status: Surrendered
6	206m E	Site Name: Bolds Skips, Recycling & Reclamation Site Address: Unit 11, Neills Road, Bold Ind Est, St Helens, Merseyside, WA9 4TU Correspondence Address: -	Type of Site: Household, Commercial & Industrial Waste T Stn Size: 25000 tonnes Environmental Permitting Regulations (Waste) Licence Number: 649066 EPR reference: EA/EPR/MP3198EP Operator: Bold Skips Recycling & Reclamation Limited Waste Management licence No: 100285 Annual Tonnage: 24999	Issue Date: 25/03/2008 Effective Date: 25/03/2008 Modified: - Surrendered Date: - Expiry Date: - Cancelled Date: - Status: Issued
7	253m NW	Site Name: Abbottsfield Metals Ltd Site Address: Unit 1 F Reginald Road Ind Est, Abbottsfield Road, St Helens, Merseyside, WA9 4HU Correspondence Address: -	Type of Site: Metal Recycling Site (mixed MRS's) Size: 25000 tonnes Environmental Permitting Regulations (Waste) Licence Number: 634506 EPR reference: EA/EPR/YP3396CH Operator: Abbottsfield Metals Limited Waste Management licence No: 53874 Annual Tonnage: 417	Issue Date: 19/12/1991 Effective Date: 19/12/1991 Modified: - Surrendered Date: - Expiry Date: - Cancelled Date: - Status: Issued



ID	Location	Details		
AD	488m N	Site Name: R G & Sons Site Address: 105, Hoghton Road, Sutton, St Helens, Merseyside, WA9 3HX Correspondence Address: -	Type of Site: Metal Recycling Site (mixed MRS's) Size: 25000 tonnes Environmental Permitting Regulations (Waste) Licence Number: 649102 EPR reference: EA/EPR/WP3096CS Operator: Abed Eid Waste Management licence No: 53830 Annual Tonnage: 417	Issue Date: 16/01/1989 Effective Date: 16/01/1989 Modified: - Surrendered Date: - Expiry Date: - Cancelled Date: - Status: Issued
AD	488m N	Site Name: T Gavin Site Address: 107, Hoghton Road, St Helens, Merseyside, WA9 3HT Correspondence Address: -	Type of Site: Metal Recycling Site (mixed MRS's) Size: 25000 tonnes Environmental Permitting Regulations (Waste) Licence Number: 634789 EPR reference: EA/EPR/MP3591CV Operator: Thomas Gavin Waste Management licence No: 53955 Annual Tonnage: 66	Issue Date: 26/01/1989 Effective Date: 26/01/1989 Modified: - Surrendered Date: - Expiry Date: - Cancelled Date: - Status: Revoked

This data is sourced from the Environment Agency and Natural Resources Wales.

3.7 Waste exemptions

Records within 500m	137
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Activities involving the storage, treatment, use or disposal of waste that are exempt from needing a permit. Exemptions have specific limits and conditions that must be adhered to.

Features are displayed on the Waste and landfill map on [page 53 >](#)

ID	Location	Site	Reference	Category	Sub-Category	Description
2	On site	Union Bank Farm Union Bank Lane Widnes Cheshire Wa8 5xa	EPR/UE5084Y Y/A001	Storing waste exemption	Non- agricultural waste only	Storage of sludge
C	On site	Land Near Crawford Street St. Helens Merseyside Wa9 4xl	EPR/KE5685ZS /A001	Storing waste exemption	Non- agricultural waste only	Storage of sludge
C	On site	Land At Sutton Grid Ref: Sj 5326 9155	EPR/HE5786V Q/A001	Storing waste exemption	Non- agricultural waste only	Storage of sludge



ID	Location	Site	Reference	Category	Sub-Category	Description
D	11m SE	Abbotsfield Farm, Gorsey Lane, Bold, St. Helens, Wa9 4sf	WEX340771	Using waste exemption	On a farm	Use of waste in construction
D	11m SE	Abbotsfield Farm, Gorsey Lane, Bold, St. Helens, Wa9 4sf	WEX340771	Using waste exemption	On a farm	Burning of waste as a fuel in a small appliance
D	11m SE	Abbotsfield Farm, Gorsey Lane, Bold, St. Helens, Wa9 4sf	WEX340771	Using waste exemption	On a farm	Use of waste for a specified purpose
D	11m SE	Abbotsfield Farm, Gorsey Lane, Bold, St. Helens, Wa9 4sf	WEX340771	Using waste exemption	On a farm	Spreading of plant matter to confer benefit
D	11m SE	Abbotsfield Farm, Gorsey Lane, Bold, St. Helens, Wa9 4sf	WEX340771	Using waste exemption	On a farm	Incorporation of ash into soil
D	11m SE	Abbotsfield Farm, Gorsey Lane, Bold, St. Helens, Wa9 4sf	WEX340771	Treating waste exemption	On a farm	Cleaning, washing, spraying or coating relevant waste
D	11m SE	Abbotsfield Farm, Gorsey Lane, Bold, St. Helens, Wa9 4sf	WEX340771	Treating waste exemption	On a farm	Treatment of waste wood and waste plant matter by chipping, shredding, cutting or pulverising
D	11m SE	Abbotsfield Farm, Gorsey Lane, Bold, St. Helens, Wa9 4sf	WEX340771	Treating waste exemption	On a farm	Aerobic composting and associated prior treatment
D	11m SE	Abbotsfield Farm, Gorsey Lane, Bold, St. Helens, Wa9 4sf	WEX340771	Disposing of waste exemption	On a farm	Deposit of waste from dredging of inland waters
D	11m SE	Abbotsfield Farm, Gorsey Lane, Bold, St. Helens, Wa9 4sf	WEX340771	Disposing of waste exemption	On a farm	Deposit of waste from a portable sanitary convenience
D	11m SE	Abbotsfield Farm, Gorsey Lane, Bold, St. Helens, Wa9 4sf	WEX340771	Storing waste exemption	On a farm	Storage of sludge
D	11m SE	Abbotsfield Farm, Gorsey Lane, Bold, St. Helens, Wa9 4sf	WEX340771	Using waste exemption	On a farm	Spreading waste on agricultural land to confer benefit
D	11m SE	Abbotsfield Farm, Gorsey Lane, Bold, St. Helens, Wa9 4sf	WEX340771	Disposing of waste exemption	On a farm	Deposit of agricultural waste consisting of plant tissue under a Plant Health notice



ID	Location	Site	Reference	Category	Sub-Category	Description
D	11m SE	Abbotsfield Farm, Gorsey Lane, Bold, St. Helens, Wa9 4sf	WEX340771	Disposing of waste exemption	On a farm	Disposal by incineration
D	11m SE	Abbotsfield Farm, Gorsey Lane, Bold, St. Helens, Wa9 4sf	WEX340771	Disposing of waste exemption	On a farm	Burning waste in the open
D	11m SE	Abbotsfield Farm, Gorsey Lane, Bold, St. Helens, Wa9 4sf	WEX210197	Storing waste exemption	On a farm	Storage of sludge
D	11m SE	Abbotsfield Farm, Gorsey Lane, Bold, St. Helens, Wa9 4sf	WEX210197	Disposing of waste exemption	On a farm	Deposit of waste from a portable sanitary convenience
D	11m SE	Abbotsfield Farm, Gorsey Lane, Bold, St. Helens, Wa9 4sf	WEX210197	Disposing of waste exemption	On a farm	Deposit of waste from dredging of inland waters
D	11m SE	Abbotsfield Farm, Gorsey Lane, Bold, St. Helens, Wa9 4sf	WEX210197	Treating waste exemption	On a farm	Aerobic composting and associated prior treatment
D	11m SE	Abbotsfield Farm, Gorsey Lane, Bold, St. Helens, Wa9 4sf	WEX210197	Treating waste exemption	On a farm	Treatment of waste wood and waste plant matter by chipping, shredding, cutting or pulverising
D	11m SE	Abbotsfield Farm, Gorsey Lane, Bold, St. Helens, Wa9 4sf	WEX210197	Treating waste exemption	On a farm	Cleaning, washing, spraying or coating relevant waste
D	11m SE	Abbotsfield Farm, Gorsey Lane, Bold, St. Helens, Wa9 4sf	WEX210197	Using waste exemption	On a farm	Incorporation of ash into soil
D	11m SE	Abbotsfield Farm, Gorsey Lane, Bold, St. Helens, Wa9 4sf	WEX210197	Using waste exemption	On a farm	Spreading of plant matter to confer benefit
D	11m SE	Abbotsfield Farm, Gorsey Lane, Bold, St. Helens, Wa9 4sf	WEX210197	Using waste exemption	On a farm	Use of waste for a specified purpose
D	11m SE	Abbotsfield Farm, Gorsey Lane, Bold, St. Helens, Wa9 4sf	WEX210197	Using waste exemption	On a farm	Burning of waste as a fuel in a small appliance
D	11m SE	Abbotsfield Farm, Gorsey Lane, Bold, St. Helens, Wa9 4sf	WEX210197	Using waste exemption	On a farm	Use of waste in construction



ID	Location	Site	Reference	Category	Sub-Category	Description
D	11m SE	Abbotsfield Farm, Gorsey Lane, Bold, St. Helens, Wa9 4sf	WEX210197	Disposing of waste exemption	On a farm	Burning waste in the open
D	11m SE	Abbotsfield Farm, Gorsey Lane, Bold, St. Helens, Wa9 4sf	WEX210197	Disposing of waste exemption	On a farm	Disposal by incineration
D	11m SE	Abbotsfield Farm, Gorsey Lane, Bold, St. Helens, Wa9 4sf	WEX210197	Disposing of waste exemption	On a farm	Deposit of agricultural waste consisting of plant tissue under a Plant Health notice
D	11m SE	Abbotsfield Farm, Gorsey Lane, Bold, St. Helens, Wa9 4sf	WEX210197	Using waste exemption	On a farm	Spreading waste on agricultural land to confer benefit
B	18m NW	8a Brindley Road St. Helens Merseyside Wa9 4hy	EPR/WF0301H R/A001	Storing waste exemption	Both agricultural and non-agricultural waste	Storage of waste in secure containers
B	18m NW	8a Brindley Road St. Helens Merseyside Wa9 4hy	EPR/WF0301H R/A001	Storing waste exemption	Both agricultural and non-agricultural waste	Storage of waste in a secure place
B	18m NW	8a Brindley Road St. Helens Merseyside Wa9 4hy	EPR/WF0301H R/A001	Treating waste exemption	Both agricultural and non-agricultural waste	Preparatory treatments (baling, sorting, shredding etc)
B	18m NW	8a Brindley Road St. Helens Merseyside Wa9 4hy	EPR/WF0301H R/A001	Treating waste exemption	Non-agricultural waste only	Treatment of waste wood and waste plant matter by chipping, shredding, cutting or pulverising
B	18m NW	8a Brindley Road St. Helens Merseyside Wa9 4hy	EPR/WF0301H R/A001	Treating waste exemption	Both agricultural and non-agricultural waste	Sorting mixed waste
B	18m NW	8a Brindley Road St. Helens Merseyside Wa9 4hy	EPR/WF0301H R/A001	Treating waste exemption	Both agricultural and non-agricultural waste	Recovery of scrap metal



ID	Location	Site	Reference	Category	Sub-Category	Description
D	18m SE	Abbotsfield Farm, Gorsey Lane, Bold, St. Helens, Wa9 4sf	WEX033334	Disposing of waste exemption	On a farm	Deposit of waste from dredging of inland waters
D	18m SE	Abbotsfield Farm, Gorsey Lane, Bold, St. Helens, Wa9 4sf	WEX033334	Disposing of waste exemption	On a farm	Deposit of waste from a portable sanitary convenience
D	18m SE	Abbotsfield Farm, Gorsey Lane, Bold, St. Helens, Wa9 4sf	WEX033334	Storing waste exemption	On a farm	Storage of sludge
D	18m SE	Abbotsfield Farm, Gorsey Lane, Bold, St. Helens, Wa9 4sf	WEX033334	Treating waste exemption	On a farm	Cleaning, washing, spraying or coating relevant waste
D	18m SE	Abbotsfield Farm, Gorsey Lane, Bold, St. Helens, Wa9 4sf	WEX033334	Treating waste exemption	On a farm	Aerobic composting and associated prior treatment
D	18m SE	Abbotsfield Farm, Gorsey Lane, Bold, St. Helens, Wa9 4sf	WEX033334	Treating waste exemption	On a farm	Treatment of waste wood and waste plant matter by chipping, shredding, cutting or pulverising
D	18m SE	Abbotsfield Farm, Gorsey Lane, Bold, St. Helens, Wa9 4sf	WEX033334	Using waste exemption	On a farm	Use of waste in construction
D	18m SE	Abbotsfield Farm, Gorsey Lane, Bold, St. Helens, Wa9 4sf	WEX033334	Using waste exemption	On a farm	Spreading of plant matter to confer benefit
D	18m SE	Abbotsfield Farm, Gorsey Lane, Bold, St. Helens, Wa9 4sf	WEX033334	Using waste exemption	On a farm	Incorporation of ash into soil
D	18m SE	Abbotsfield Farm, Gorsey Lane, Bold, St. Helens, Wa9 4sf	WEX033334	Using waste exemption	On a farm	Burning of waste as a fuel in a small appliance
D	18m SE	Abbotsfield Farm, Gorsey Lane, Bold, St. Helens, Wa9 4sf	WEX033334	Using waste exemption	On a farm	Use of waste for a specified purpose
D	18m SE	Abbotsfield Farm, Gorsey Lane, Bold, St. Helens, Wa9 4sf	WEX033334	Disposing of waste exemption	On a farm	Deposit of agricultural waste consisting of plant tissue under a Plant Health notice
D	18m SE	Abbotsfield Farm, Gorsey Lane, Bold, St. Helens, Wa9 4sf	WEX033334	Disposing of waste exemption	On a farm	Disposal by incineration



ID	Location	Site	Reference	Category	Sub-Category	Description
D	18m SE	Abbotsfield Farm, Gorsey Lane, Bold, St. Helens, Wa9 4sf	WEX033334	Disposing of waste exemption	On a farm	Burning waste in the open
D	18m SE	Abbotsfield Farm, Gorsey Lane, Bold, St. Helens, Wa9 4sf	WEX033334	Using waste exemption	On a farm	Spreading waste on agricultural land to confer benefit
F	29m SE	Abbotsfield Farm Gorsey Lane St. Helens Merseyside Wa9 4sf	EPR/WH0072E Q/A001	Using waste exemption	Agricultural waste only	Incorporation of ash into soil
F	29m SE	Abbotsfield Farm Gorsey Lane St. Helens Merseyside Wa9 4sf	EPR/WH0072E Q/A001	Disposing of waste exemption	Agricultural waste only	Deposit of waste from dredging of inland waters
F	29m SE	Abbotsfield Farm Gorsey Lane St. Helens Merseyside Wa9 4sf	EPR/WH0072E Q/A001	Disposing of waste exemption	Agricultural waste only	Deposit of waste from a portable sanitary convenience
F	29m SE	Abbotsfield Farm Gorsey Lane St. Helens Merseyside Wa9 4sf	EPR/WH0072E Q/A001	Treating waste exemption	Agricultural waste only	Cleaning, washing, spraying or coating relevant waste
F	29m SE	Abbotsfield Farm Gorsey Lane St. Helens Merseyside Wa9 4sf	EPR/WH0072E Q/A001	Treating waste exemption	Agricultural waste only	Aerobic composting and associated prior treatment
F	29m SE	Abbotsfield Farm Gorsey Lane St. Helens Merseyside Wa9 4sf	EPR/WH0072E Q/A001	Treating waste exemption	Agricultural waste only	Treatment of waste wood and waste plant matter by chipping, shredding, cutting or pulverising
F	29m SE	Abbotsfield Farm Gorsey Lane St. Helens Merseyside Wa9 4sf	EPR/WH0072E Q/A001	Using waste exemption	Agricultural waste only	Use of waste in construction
F	29m SE	Abbotsfield Farm Gorsey Lane St. Helens Merseyside Wa9 4sf	EPR/WH0072E Q/A001	Using waste exemption	Agricultural waste only	Spreading of plant matter to confer benefit
F	29m SE	Abbotsfield Farm Gorsey Lane St. Helens Merseyside Wa9 4sf	EPR/WH0072E Q/A001	Using waste exemption	Agricultural waste only	Burning of waste as a fuel in a small appliance
F	29m SE	Abbotsfield Farm Gorsey Lane St. Helens Merseyside Wa9 4sf	EPR/WH0072E Q/A001	Using waste exemption	Agricultural waste only	Use of waste for a specified purpose
F	29m SE	Abbotsfield Farm Gorsey Lane St. Helens Merseyside Wa9 4sf	EPR/WH0072E Q/A001	Storing waste exemption	Non-agricultural waste only	Storage of sludge



ID	Location	Site	Reference	Category	Sub-Category	Description
F	29m SE	Abbotsfield Farm Gorsey Lane St. Helens Merseyside Wa9 4sf	EPR/WH0072E Q/A001	Disposing of waste exemption	Agricultural waste only	Deposit of agricultural waste consisting of plant tissue under a Plant Health notice
F	29m SE	Abbotsfield Farm Gorsey Lane St. Helens Merseyside Wa9 4sf	EPR/WH0072E Q/A001	Disposing of waste exemption	Agricultural waste only	Disposal by incineration
F	29m SE	Abbotsfield Farm Gorsey Lane St. Helens Merseyside Wa9 4sf	EPR/WH0072E Q/A001	Disposing of waste exemption	Agricultural waste only	Burning waste in the open
F	29m SE	Abbotsfield Farm Gorsey Lane St. Helens Merseyside Wa9 4sf	EPR/WH0072E Q/A001	Using waste exemption	Agricultural waste only	Spreading waste on agricultural land to confer benefit
G	48m NW	Unit 9+15 Brindley Road, St Helens, Wa9 4hy	EA/EPR/VP395 2KE/A001	Treating waste exemption	Not on a farm	Repair or refurbishment of WEEE
I	51m NW	12, Brindley Road, St Helens, Wa9 4hy	WEX343717	Treating waste exemption	Not on a farm	Preparatory treatments (baling, sorting, shredding etc)
I	51m NW	Brindley Road, Reginald Road Industrial Estate, St Helens, Merseyside, Wa9 4hy	WEX328077	Treating waste exemption	Not on a farm	Preparatory treatments (baling, sorting, shredding etc)
I	51m NW	Brindley Road, Reginald Road Industrial Estate, St Helens, Merseyside, Wa9 4hy	WEX328077	Storing waste exemption	Not on a farm	Storage of waste in a secure place
I	51m NW	12, Brindley Road, St Helens, Wa9 4hy	WEX214790	Treating waste exemption	Not on a farm	Preparatory treatments (baling, sorting, shredding etc)
I	51m NW	Unit 9&15, Brindley Road, St. Helens, Wa94hy	WEX215002	Storing waste exemption	Not on a farm	Storage of waste in a secure place
I	51m NW	Unit 9&15, Brindley Road, St. Helens, Wa94hy	WEX215002	Treating waste exemption	Not on a farm	Recovery of scrap metal
K	54m NE	Unit 18, Neills Road, Bold Industrial Park, Bold, St. Helens, Wa9 4tu	WEX295096	Treating waste exemption	Not on a farm	Sorting and de-naturing of controlled drugs for disposal
K	54m NE	Unit 18, Neills Road, Bold Industrial Park, Bold, St. Helens, Wa9 4tu	WEX156759	Treating waste exemption	Not on a farm	Sorting and de-naturing of controlled drugs for disposal
K	54m NE	Unit 18, Neills Road, Bold Industrial Park, Bold, St. Helens, Wa9 4tu	WEX074221	Treating waste exemption	Not on a farm	Sorting and de-naturing of controlled drugs for disposal



ID	Location	Site	Reference	Category	Sub-Category	Description
K	54m NE	Village Pharmacy, 1 Buckingham Rd, Cheadle Hulme, Cheadle, Sk8 5eg	WEX130218	Treating waste exemption	Not on a farm	Sorting and de-naturing of controlled drugs for disposal
K	55m NE	Unit 18 Neills Road St. Helens Merseyside Wa9 4tu	EPR/BH0178U K/A001	Treating waste exemption	Non-agricultural waste only	Sorting and de-naturing of controlled drugs for disposal
N	75m N	White House Works Bold Road St. Helens Merseyside Wa9 4jg	EPR/HF0337YC /A001	Treating waste exemption	Non-agricultural waste only	Preparatory treatments (baling, sorting, shredding etc)
Q	83m NW	St Helens Skip Hire, Brindley Road, St Helens, Wa9 4hy	WEX116518	Treating waste exemption	Not on a farm	Recovery of scrap metal
Q	83m NW	St Helens Skip Hire, Brindley Road, St Helens, Wa9 4hy	WEX116518	Storing waste exemption	Not on a farm	Storage of waste in secure containers
Q	83m NW	St Helens Skip Hire, Brindley Road, St Helens, Wa9 4hy	WEX116518	Storing waste exemption	Not on a farm	Storage of waste in a secure place
Q	83m NW	St Helens Skip Hire, Brindley Road, St Helens, Wa9 4hy	WEX116518	Treating waste exemption	Not on a farm	Preparatory treatments (baling, sorting, shredding etc)
Q	83m NW	St Helens Skip Hire, Brindley Road, St Helens, Wa9 4hy	WEX116518	Treating waste exemption	Not on a farm	Treatment of waste wood and waste plant matter by chipping, shredding, cutting or pulverising
Q	83m NW	St Helens Skip Hire, Brindley Road, St Helens, Wa9 4hy	WEX116518	Using waste exemption	Not on a farm	Burning of waste as a fuel in a small appliance
N	88m N	White House Works, Bold Road, St. Helens, Wa9 4jg	WEX367022	Treating waste exemption	Not on a farm	Preparatory treatments (baling, sorting, shredding etc)
N	88m N	White House Works, Bold Road, St. Helens, Wa9 4jg	WEX369219	Treating waste exemption	Not on a farm	Preparatory treatments (baling, sorting, shredding etc)
N	88m N	White House Works, Bold Road, St. Helens, Wa9 4jg	WEX240463	Treating waste exemption	Not on a farm	Preparatory treatments (baling, sorting, shredding etc)
N	88m N	White House Works, Bold Road, St. Helens, Wa9 4jg	WEX242209	Treating waste exemption	Not on a farm	Preparatory treatments (baling, sorting, shredding etc)



ID	Location	Site	Reference	Category	Sub-Category	Description
N	88m N	White House Works, Bold Road, St. Helens, Wa9 4jg	WEX094172	Treating waste exemption	Not on a farm	Preparatory treatments (baling, sorting, shredding etc)
N	88m N	White House Works, Bold Road, St. Helens, Wa9 4jg	WEX100277	Treating waste exemption	Not on a farm	Preparatory treatments (baling, sorting, shredding etc)
M	92m NW	St Helens Waste Recycling Ltd Abbotsfield Road St. Helens Merseyside Wa9 4hu	EPR/GF0932Q U/A001	Treating waste exemption	Both agricultural and non-agricultural waste	Recovery of scrap metal
M	92m NW	St Helens Waste Recycling Ltd Abbotsfield Road St. Helens Merseyside Wa9 4hu	EPR/GF0932Q U/A001	Storing waste exemption	Both agricultural and non-agricultural waste	Storage of waste in secure containers
M	92m NW	St Helens Waste Recycling Ltd Abbotsfield Road St. Helens Merseyside Wa9 4hu	EPR/GF0932Q U/A001	Storing waste exemption	Both agricultural and non-agricultural waste	Storage of waste in a secure place
M	92m NW	St Helens Waste Recycling Ltd Abbotsfield Road St. Helens Merseyside Wa9 4hu	EPR/GF0932Q U/A001	Treating waste exemption	Both agricultural and non-agricultural waste	Treatment of waste wood and waste plant matter by chipping, shredding, cutting or pulverising
M	100m NW	-	WEX285117	Storing waste exemption	Not on a farm	Storage of waste in a secure place
M	100m NW	-	WEX285067	Storing waste exemption	Not on a farm	Storage of waste in a secure place
O	139m N	Kris Motor Spares Ltd Normans Road St. Helens Merseyside Wa9 4jq	EPR/BH0678M H/A001	Treating waste exemption	Non-agricultural waste only	Recovery of scrap metal
O	139m N	Kris Motor Spares Ltd Normans Road St. Helens Merseyside Wa9 4jq	EPR/BH0678M H/A001	Storing waste exemption	Non-agricultural waste only	Storage of waste in a secure place
O	144m N	Normans Road, St. Helens, Wa9 4jq	WEX405847	Storing waste exemption	Not on a farm	Storage of waste in a secure place
O	144m N	Normans Road, St. Helens, Wa9 4jq	WEX405847	Treating waste exemption	Not on a farm	Recovery of scrap metal
O	144m N	Normans Road, St. Helens, Wa9 4jq	WEX277782	Storing waste exemption	Not on a farm	Storage of waste in a secure place



ID	Location	Site	Reference	Category	Sub-Category	Description
O	144m N	Normans Road, St. Helens, Wa9 4jq	WEX277782	Treating waste exemption	Not on a farm	Recovery of scrap metal
V	152m W	Caleb House, Abbotsfield Road, St. Helens, Wa9 4hu	WEX072583	Using waste exemption	Not on a farm	Use of waste in construction
V	152m W	Caleb House, Caleb House, Abbotsfield Road, St Helens, Wa9 4hu	WEX075365	Using waste exemption	Not on a farm	Spreading waste on non-agricultural land to confer benefit
V	152m W	Abbotsfield Road, Reginald Road Industrial Estate, St Helens, Wa9 4hu	WEX104442	Treating waste exemption	Not on a farm	Recovery of scrap metal
V	152m W	Abbotsfield Road, Reginald Road Industrial Estate, St Helens, Wa9 4hu	WEX104442	Storing waste exemption	Not on a farm	Storage of waste in secure containers
V	152m W	Abbotsfield Road, Reginald Road Industrial Estate, St Helens, Wa9 4hu	WEX104442	Storing waste exemption	Not on a farm	Storage of waste in a secure place
V	152m W	Abbotsfield Road, Reginald Road Industrial Estate, St Helens, Wa9 4hu	WEX104442	Treating waste exemption	Not on a farm	Treatment of waste wood and waste plant matter by chipping, shredding, cutting or pulverising
X	215m NE	Unit 41 Bold Business Centre St Helens Merseyside Wa9 4tx	EPR/EF0038CG /A001	Storing waste exemption	Non-agricultural waste only	Storage of waste in secure containers
X	215m NE	Unit 41 Bold Business Centre St Helens Merseyside Wa9 4tx	EPR/EF0038CG /A001	Storing waste exemption	Non-agricultural waste only	Storage of waste in a secure place
X	223m NE	Bold Business Centre, Unit 41, Bold Lane, St. Helens, Wa9 4tx	WEX066637	Storing waste exemption	Not on a farm	Storage of waste in secure containers
X	223m NE	Bold Business Centre, Unit 41, Bold Lane, St. Helens, Wa9 4tx	WEX066637	Storing waste exemption	Not on a farm	Storage of waste in a secure place
X	224m NE	Bold Business Centre, Unit 34-35, Bold Lane, St. Helens, Wa9 4tx	WEX094094	Using waste exemption	Not on a farm	Use of waste in construction
Y	248m NW	Penlake Industrial Estate, Reginald Road, St. Helens, Wa9 4ja	WEX122499	Treating waste exemption	Not on a farm	Treatment of waste wood and waste plant matter by chipping, shredding, cutting or pulverising



ID	Location	Site	Reference	Category	Sub-Category	Description
Y	248m NW	Penlake Industrial Estate, Reginald Road, St. Helens, Wa9 4ja	WEX122499	Using waste exemption	Not on a farm	Use of waste in construction
Y	248m NW	Penlake Industrial Estate, Reginald Road, St. Helens, Wa9 4ja	WEX122499	Using waste exemption	Not on a farm	Use of waste for a specified purpose
Y	248m NW	Penlake Industrial Estate, Reginald Road, St. Helens, Wa9 4ja	WEX122499	Disposing of waste exemption	Not on a farm	Burning waste in the open
Y	248m NW	Penlake Industrial Estate, Reginald Road, St. Helens, Wa9 4ja	WEX122499	Treating waste exemption	Not on a farm	Sorting mixed waste
Y	248m NW	Penlake Industrial Estate, Reginald Road, St. Helens, Wa9 4ja	WEX122499	Treating waste exemption	Not on a farm	Screening and blending of waste
Y	248m NW	Penlake Industrial Estate, Reginald Road, St. Helens, Wa9 4ja	WEX122499	Treating waste exemption	Not on a farm	Recovery of scrap metal
Z	336m W	In My Back Garden Of 434 Leach Lane	WEX265718	Disposing of waste exemption	Not on a farm	Burning waste in the open
Z	351m W	414-416, Leach Lane, Sutton Leach, St. Helens, Wa9 4na	WEX287093	Treating waste exemption	Not on a farm	Sorting and de-naturing of controlled drugs for disposal
AA	408m NW	Abbotsfield House, 4, Abbotsfield Road, St. Helens, Wa9 4hu	WEX357573	Treating waste exemption	Not on a farm	Sorting and de-naturing of controlled drugs for disposal
AA	408m NW	-	WEX373636	Treating waste exemption	Not on a farm	Treatment of waste wood and waste plant matter by chipping, shredding, cutting or pulverising
AA	408m NW	-	WEX373636	Storing waste exemption	Not on a farm	Storage of waste in a secure place
AA	408m NW	Abbotsfield Road, Reginald Road Industrial Estate, St Helens, Wa9 4hu	WEX246592	Treating waste exemption	Not on a farm	Treatment of waste wood and waste plant matter by chipping, shredding, cutting or pulverising
AA	408m NW	Abbotsfield Road, Reginald Road Industrial Estate, St Helens, Wa9 4hu	WEX246592	Storing waste exemption	Not on a farm	Storage of waste in a secure place

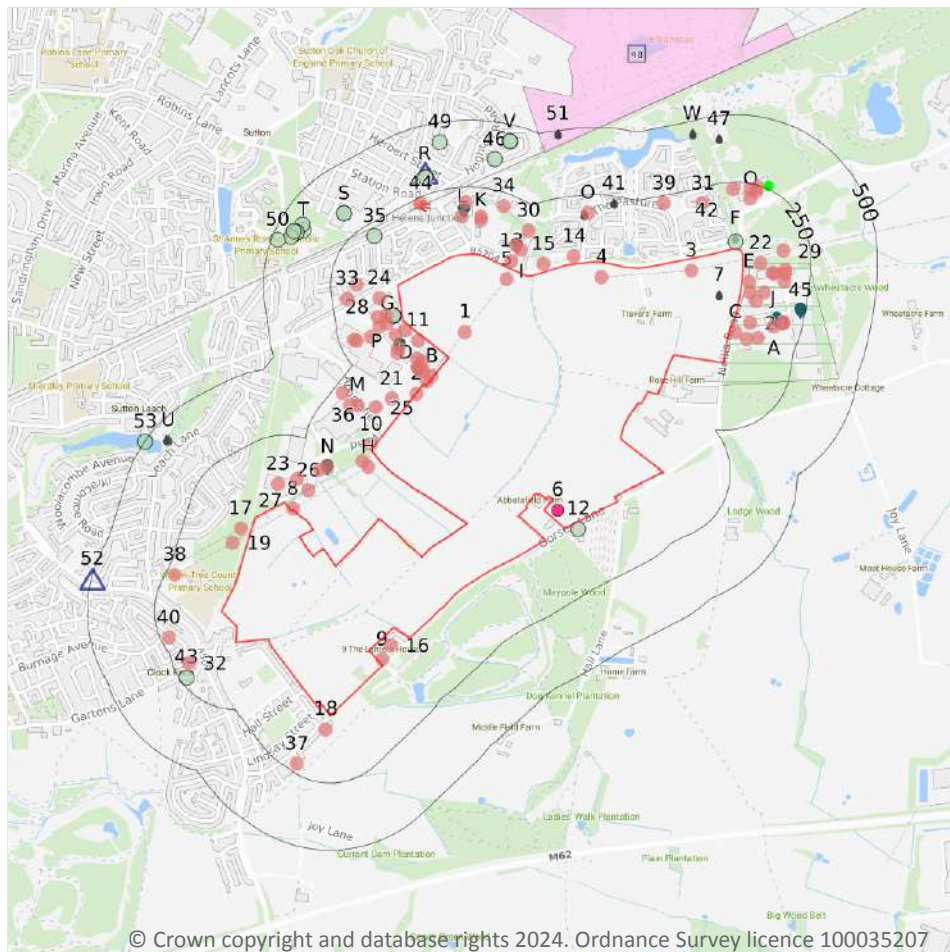


ID	Location	Site	Reference	Category	Sub-Category	Description
AA	408m NW	Abbotsfield Road, Reginald Road Industrial Estate, St Helens, Wa9 4hu	WEX246592	Storing waste exemption	Not on a farm	Storage of waste in secure containers
AA	408m NW	Abbotsfield House, 4, Abbotsfield Road, St. Helens, Wa9 4hu	WEX154008	Treating waste exemption	Not on a farm	Sorting and de-naturing of controlled drugs for disposal
AA	408m NW	Abbotsfield Road, Reginald Road Industrial Estate, St Helens, Wa9 4hu	WEX246592	Treating waste exemption	Not on a farm	Recovery of scrap metal
AC	468m S	-	WEX187735	Storing waste exemption	On a farm	Storage of sludge
AC	468m S	-	WEX138868	Storing waste exemption	On a farm	Storage of sludge
AC	468m S	Rivers Lane, Urmston, Manchester, M41 7jb	WEX096717	Storing waste exemption	On a farm	Storage of sludge

This data is sourced from the Environment Agency and Natural Resources Wales.



4 Current industrial land use



- Site Outline
- Search buffers in metres (m)
- Recent industrial land uses
- △ Current or recent petrol stations
- Sites determined as Contaminated Land
- Control of Major Accident Hazards
- Licensed pollutant release (Part A(2)/B)
- Radioactive Substance Authorisations
- Licensed Discharges to controlled waters
- Pollution Incidents (EA/NRW)
- Pollution inventory radioactive waste

4.1 Recent industrial land uses

Records within 250m

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Current potentially contaminative industrial sites.

Features are displayed on the Current industrial land use map on [page 78](#) >

ID	Location	Company	Address	Activity	Category
1	On site	Pylon	Merseyside, WA9	Electrical Features	Infrastructure and Facilities
2	On site	Pylon	Merseyside, WA9	Electrical Features	Infrastructure and Facilities
3	On site	Pylon	Merseyside, WA9	Electrical Features	Infrastructure and Facilities



ID	Location	Company	Address	Activity	Category
4	On site	Pylon	Merseyside, WA9	Electrical Features	Infrastructure and Facilities
5	On site	Pylon	Merseyside, WA9	Electrical Features	Infrastructure and Facilities
8	4m W	Pylon	Merseyside, WA9	Electrical Features	Infrastructure and Facilities
B	6m NW	Format N D T Ltd	25-27 Reginald Road Industrial Park, Brindley Road, Bold, Merseyside, WA9 4HY	Industrial Engineers	Engineering Services
B	7m NW	B & P Autos	30 Reginald Road Industrial Park, Brindley Road, Bold, Merseyside, WA9 4HY	Secondhand Vehicles	Motoring
9	14m SW	Electricity Sub Station	Merseyside, WA9	Electrical Features	Infrastructure and Facilities
10	14m W	Mast	Merseyside, WA9	Telecommunications Features	Infrastructure and Facilities
C	21m NE	Elusive Recording Studios	70, Neills Road, Bold, Merseyside, WA9 4TU	Recording Studios and Record Companies	IT, Advertising, Marketing and Media Services
11	23m NW	Schur Flexibles	7 Reginald Road Industrial Park, Brindley Road, Bold, Merseyside, WA9 4HY	Packaging	Industrial Products
D	23m NW	Profix	4-5 Reginald Road Industrial Park, Brindley Road, Bold, Merseyside, WA9 4HY	Metals Manufacturers, Fabricators and Stockholders	Industrial Products
E	27m NE	Electricity Sub Station	Merseyside, WA9	Electrical Features	Infrastructure and Facilities
13	28m N	Electricity Sub Station	Merseyside, WA9	Electrical Features	Infrastructure and Facilities
14	29m NE	Electricity Sub Station	Merseyside, WA9	Electrical Features	Infrastructure and Facilities
15	29m N	Electricity Sub Station	Merseyside, WA9	Electrical Features	Infrastructure and Facilities
E	35m NE	The Tyre Hub	Unit 2a Bold Industrial Park, Neills Road, Bold, Merseyside, WA9 4TU	Vehicle Parts and Accessories	Motoring
16	40m SW	Tank	Merseyside, WA9	Tanks (Generic)	Industrial Features
17	41m W	Pylon	Merseyside, WA9	Electrical Features	Infrastructure and Facilities



ID	Location	Company	Address	Activity	Category
B	44m NW	The Mini Restoration Co	10 Reginald Road Industrial Park, Brindley Road, Bold, Merseyside, WA9 4HY	Vehicle Repair, Testing and Servicing	Repair and Servicing
H	49m W	Pylon	Merseyside, WA9	Electrical Features	Infrastructure and Facilities
H	50m W	Pylon	Merseyside, WA9	Electrical Features	Infrastructure and Facilities
18	52m SW	Derek Smith Carpet Fitter	68, Gorsey Lane, Clock Face, Merseyside, WA9 4XB	Construction Completion Services	Construction Services
19	54m W	Pylon	Merseyside, WA9	Electrical Features	Infrastructure and Facilities
B	58m NW	J A S Pallets & Fencing	12, Reginald Road Industrial Park, Brindley Road, Bold, Merseyside, WA9 4HY	Packaging	Industrial Products
G	59m NW	Tank	Merseyside, WA9	Tanks (Generic)	Industrial Features
20	59m NE	St Helens Plant Ltd	Unit 19 Bold Industrial Park, Neills Road, Bold, Merseyside, WA9 4TU	Access Equipment	Industrial Products
G	59m NW	Tank	Merseyside, WA9	Tanks (Generic)	Industrial Features
21	60m NW	St Helens Waste Recycling & Skip Hire	St Helens Waste Recycling & Skip, Abbotsfield Road, Bold, Merseyside, WA9 4HU	Construction and Tool Hire	Hire Services
D	60m NW	Electricity Sub Station	Merseyside, WA9	Electrical Features	Infrastructure and Facilities
E	63m NE	Tank	Merseyside, WA9	Tanks (Generic)	Industrial Features
B	65m NW	F C J UK Ltd	Units 9-15 Brindley Road, Reginald Road Industrial Estate, St. Helens, Merseyside, WA9 4HY	Electrical Equipment Repair and Servicing	Repair and Servicing
22	65m NE	Mast (Telecommunication)	Merseyside, WA9	Telecommunications Features	Infrastructure and Facilities
C	67m E	Extract It	Unit 14d and 14e Bold Industrial Park, Neills Road, Bold, Merseyside, WA9 4TU	Air and Water Filtration	Industrial Products
B	68m NW	P K Auto Service & Repair Centre	9a Reginald Road Industrial Park, Brindley Road, Bold, Merseyside, WA9 4HY	Vehicle Repair, Testing and Servicing	Repair and Servicing



ID	Location	Company	Address	Activity	Category
23	73m W	Kirkby Steel Tubes Ltd	Abbotsfield Road, Bold, Merseyside, WA9 4HU	General Construction Supplies	Industrial Products
24	75m NW	Electricity Sub Station	Merseyside, WA9	Electrical Features	Infrastructure and Facilities
B	79m NW	Reginald Road Industrial Park	Merseyside, WA9	Business Parks and Industrial Estates	Industrial Features
I	81m N	Works	Merseyside, WA9	Unspecified Works Or Factories	Industrial Features
25	86m W	T M Utley Offshore Plc	Silverdale House Abbotsfield Road Industrial Estate, Abbotsfield Road, Bold, Merseyside, WA9 4HU	Industrial Engineers	Engineering Services
I	88m N	Alumasc Roofing	Bold Road, Bold, Merseyside, WA9 4JG	General Construction Supplies	Industrial Products
G	89m NW	Electricity Sub Station	Merseyside, WA9	Electrical Features	Infrastructure and Facilities
E	90m NE	Industrial Park	Merseyside, WA9	Business Parks and Industrial Estates	Industrial Features
26	91m W	Pylon	Merseyside, WA9	Electrical Features	Infrastructure and Facilities
D	91m NW	Widd Signs	11a Reginald Road Industrial Park, Brindley Road, Bold, Merseyside, WA9 4HY	Signs	Industrial Products
G	92m NW	C & O Powder Coatings	1 Reginald Road Industrial Park, Brindley Road, Bold, Merseyside, WA9 4HY	Industrial Coatings and Finishings	Industrial Products
27	97m W	Electricity Sub Station	Merseyside, WA9	Electrical Features	Infrastructure and Facilities
D	107m NW	Electricity Sub Station	Merseyside, WA9	Electrical Features	Infrastructure and Facilities
C	109m E	Motor McKanic	Unit 14b Bold Industrial Park, Neills Road, Bold, Merseyside, WA9 4TU	Vehicle Repair, Testing and Servicing	Repair and Servicing
J	112m NE	Works	Merseyside, WA9	Unspecified Works Or Factories	Industrial Features
J	115m NE	Hi Tech Steel Services Ltd	Unit 1 Bold Industrial Park, Neills Road, Bold, Merseyside, WA9 4TU	Metals Manufacturers, Fabricators and Stockholders	Industrial Products



ID	Location	Company	Address	Activity	Category
K	129m N	Works	Merseyside, WA9	Unspecified Works Or Factories	Industrial Features
G	133m NW	Electricity Sub Station	Merseyside, WA9	Electrical Features	Infrastructure and Facilities
L	141m N	Electricity Sub Station	Merseyside, WA9	Electrical Features	Infrastructure and Facilities
K	144m N	Kris Motor Spares Ltd	Normans Road, Bold, Merseyside, WA9 4JQ	Vehicle Parts and Accessories	Motoring
M	144m W	Electricity Sub Station	Merseyside, WA9	Electrical Features	Infrastructure and Facilities
A	147m NE	Universal Tanker Group Ltd	Bold Industrial Park, 12a Neills Road, Bold, St. Helens, Merseyside, WA9 4TU	Waste Storage, Processing and Disposal	Infrastructure and Facilities
28	152m NW	Tank	Merseyside, WA9	Tanks (Generic)	Industrial Features
29	152m NE	Pylon	Merseyside, WA9	Electrical Features	Infrastructure and Facilities
J	156m NE	Travelling Crane	Merseyside, WA9	Travelling Cranes and Gantries	Industrial Features
J	157m NE	Travelling Crane	Merseyside, WA9	Travelling Cranes and Gantries	Industrial Features
30	157m N	Pylon	Merseyside, WA9	Electrical Features	Infrastructure and Facilities
J	157m NE	Electricity Sub Station	Merseyside, WA9	Electrical Features	Infrastructure and Facilities
M	166m W	K & R Engineering Ltd	Unit C & D Abbotsfield Road, St. Helens, Merseyside, WA9 4HU	Vehicle Repair, Testing and Servicing	Repair and Servicing
N	176m W	West Lancashire Steel Services Ltd	Abbotsfield Road, Bold, Merseyside, WA9 4HU	Metals Manufacturers, Fabricators and Stockholders	Industrial Products
A	180m NE	Bold Skips	Unit 11 Bold Industrial Park, Neills Road, Bold, Merseyside, WA9 4TU	Construction and Tool Hire	Hire Services
A	180m NE	Hi Tech Steel Ltd	Unit 11 Bold Industrial Park, Neills Road, Bold, Merseyside, WA9 4TU	Metals Manufacturers, Fabricators and Stockholders	Industrial Products
N	180m W	Northern Connectors	Exterior Systems, Abbotsfield Road, Bold, Merseyside, WA9 4HU	Electrical Components	Industrial Products



ID	Location	Company	Address	Activity	Category
O	184m NE	Electricity Sub Station	Merseyside, WA9	Electrical Features	Infrastructure and Facilities
P	188m NW	Klockkner Pentaplast	Linpac Mouldings Ltd Reginald Road Industrial Park, Brindley Road, Bold, Merseyside, WA9 4HY	Rubber, Silicones and Plastics	Industrial Products
31	191m NE	Super Tyres (Mobile Fitting Service)	21, Columbine Way, Bold, Merseyside, WA9 4ZD	Vehicle Parts and Accessories	Motoring
32	191m SW	Electricity Sub Station	Merseyside, WA9	Electrical Features	Infrastructure and Facilities
L	193m N	Works	Merseyside, WA9	Unspecified Works Or Factories	Industrial Features
Q	194m NE	Bold Business Centre	Merseyside, WA9	Business Parks and Industrial Estates	Industrial Features
33	194m NW	Electricity Sub Station	Merseyside, WA9	Electrical Features	Infrastructure and Facilities
P	196m NW	Factory	Merseyside, WA9	Unspecified Works Or Factories	Industrial Features
34	201m N	Pylon	Merseyside, WA9	Electrical Features	Infrastructure and Facilities
36	215m W	Electricity Sub Station	Merseyside, WA9	Electrical Features	Infrastructure and Facilities
37	218m SW	Electricity Sub Station	Merseyside, WA9	Electrical Features	Infrastructure and Facilities
38	218m SW	Pylon	Merseyside, WA9	Electrical Features	Infrastructure and Facilities
39	221m NE	Electricity Sub Station	Merseyside, WA9	Electrical Features	Infrastructure and Facilities
40	221m SW	Allford Blinds	74, Hornby Crescent, Clock Face, Merseyside, WA9 4SA	Curtains and Blinds	Consumer Products
Q	224m NE	Bold Business Centre	Bold Business Centre, Bold Lane, Bold, Merseyside, WA9 4TX	Business Parks and Industrial Estates	Industrial Features
42	225m NE	A J A Coding Solutions	Unit 32b Bold Business Centre, Bold Lane, Bold, Merseyside, WA9 4TX	Printing Related Machinery	Industrial Products



ID	Location	Company	Address	Activity	Category
44	229m N	St Helens Junction Rail Station	Merseyside, WA9	Railway Stations, Junctions and Halts	Public Transport, Stations and Infrastructure
Q	230m NE	Printed Communication	Unit 17, Bold Business Centre, Bold Lane, Bold, Merseyside, WA9 4TX	Published Goods	Industrial Products
Q	244m NE	Apc Stairlifts Ltd	Unit 26 Bold Business Centre, Bold Lane, Bold, Merseyside, WA9 4TX	Disability and Mobility Equipment	Consumer Products

This data is sourced from Ordnance Survey.

4.2 Current or recent petrol stations

Records within 500m

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Open, closed, under development and obsolete petrol stations.

Features are displayed on the Current industrial land use map on [page 78 >](#)

ID	Location	Company	Address	LPG	Status
R	326m N	OBSOLETE	Cecil Street, Sutton, St Helens, Merseyside, WA9 3LB	Not Applicable	Obsolete
52	497m W	OBSOLETE	Clock Face Road, Clock Face, St Helens, Merseyside, WA9 4LF	Not Applicable	Obsolete

This data is sourced from Experian.

4.3 Electricity cables

Records within 500m

0

High voltage underground electricity transmission cables.

This data is sourced from National Grid.

4.4 Gas pipelines

Records within 500m

0

High pressure underground gas transmission pipelines.

This data is sourced from National Grid.



4.5 Sites determined as Contaminated Land

Records within 500m	1
----------------------------	----------

Contaminated Land Register of sites designated under Part 2a of the Environmental Protection Act 1990.

Features are displayed on the Current industrial land use map on [page 78 >](#)

ID	Location	Description	Site name	Category	Year identified
48	426m N	Disused colliery spoil heap from the Bold Colliery and Power Station	Land at Colliers Moss Common North, East of Hoghton Lane, Sutton, St Helens	Potentially Contaminated Land	Not specified

This data is sourced from Local Authority records.

4.6 Control of Major Accident Hazards (COMAH)

Records within 500m	1
----------------------------	----------

Control of Major Accident Hazards (COMAH) sites. This data includes upper and lower tier sites, and includes a historical archive of COMAH sites and Notification of Installations Handling Hazardous Substances (NIHHS) records.

Features are displayed on the Current industrial land use map on [page 78 >](#)

ID	Location	Company	Address	Operational status	Tier
A	5m NE	WM Neill & Son (St Helen) Ltd	WM Neill And Son (St Helen) Ltd, Neills Road, Bold, St Helens, WA9 4TA	Historical NIHHS Site	-

This data is sourced from the Health and Safety Executive.

4.7 Regulated explosive sites

Records within 500m	0
----------------------------	----------

Sites registered and licensed by the Health and Safety Executive under the Manufacture and Storage of Explosives Regulations 2005 (MSER). The last update to this data was in April 2011.

This data is sourced from the Health and Safety Executive.

4.8 Hazardous substance storage/usage

Records within 500m

0

Consents granted for a site to hold certain quantities of hazardous substances at or above defined limits in accordance with the Planning (Hazardous Substances) Regulations 2015.

This data is sourced from Local Authority records.

4.9 Historical licensed industrial activities (IPC)

Records within 500m

0

Integrated Pollution Control (IPC) records of substance releases to air, land and water. This data represents a historical archive as the IPC regime has been superseded.

This data is sourced from the Environment Agency and Natural Resources Wales.

4.10 Licensed industrial activities (Part A(1))

Records within 500m

0

Records of Part A(1) installations regulated under the Environmental Permitting (England and Wales) Regulations 2016 for the release of substances to the environment.

This data is sourced from the Environment Agency and Natural Resources Wales.

4.11 Licensed pollutant release (Part A(2)/B)

Records within 500m

7

Records of Part A(2) and Part B installations regulated under the Environmental Permitting (England and Wales) Regulations 2016 for the release of substances to the environment.

Features are displayed on the Current industrial land use map on [page 78 >](#)

ID	Location	Address	Details	
B	62m NW	Caremore Travel & Cars Ltd, Unit 8 & 9 Brindley Road, Sutton, St Helens, WA9 4HY	Process: Waste Oil Burner 0.4 MW Status: Historical Permit Permit Type: Part B	Enforcement: No Enforcements Notified Date of enforcement: No Enforcements Notified Comment: No Enforcements Notified
D	84m NW	Schur Flexibles Uni UK Converting Ltd, Unit 13, Lyon Industrial Estate, Brindley Road, Sutton, WA9 4HY	Process: Printing Status: Current Permit Permit Type: Part B	Enforcement: No Enforcements Notified Date of enforcement: No Enforcements Notified Comment: No Enforcements Notified



ID	Location	Address	Details	
I	88m N	Alumasc Exterior Building Products, White House Works, Bold Road, Sutton, WA9 4UG	Process: Use of Bulk Cement Status: Historical Permit Permit Type: Part B	Enforcement: No Enforcements Notified Date of enforcement: No Enforcements Notified Comment: No Enforcements Notified
A	151m NE	Pentre Steel Drums, Neills Road, Bold, WA9 4TJ	Process: Surface Cleaning Status: Current Permit Permit Type: Part B	Enforcement: No Enforcements Notified Date of enforcement: No Enforcements Notified Comment: No Enforcements Notified
L	166m N	Cheshire Mouldings & Woodturning, Unit 7, Normans Road, Sutton, WA9 4JQ	Process: Timber Manufacture Status: Current Permit Permit Type: Part B	Enforcement: No Enforcements Notified Date of enforcement: No Enforcements Notified Comment: No Enforcements Notified
N	176m W	West Lancashire Steel Services, Abbotsfield Road, St Helens, WA9 4HU	Process: Surface Cleaning Status: Current Permit Permit Type: Part B	Enforcement: No Enforcements Notified Date of enforcement: No Enforcements Notified Comment: No Enforcements Notified
45	231m NE	Steelcote Ltd, Neills Road, Bold, WA9 4TJ	Process: Surface Cleaning Status: Current Permit Permit Type: Part B	Enforcement: No Enforcements Notified Date of enforcement: No Enforcements Notified Comment: No Enforcements Notified

This data is sourced from Local Authority records.

4.12 Radioactive Substance Authorisations

Records within 500m	1
----------------------------	----------

Records of the storage, use, accumulation and disposal of radioactive substances regulated under the Radioactive Substances Act 1993.

Features are displayed on the Current industrial land use map on [page 78 >](#)

ID	Location	Address	Details	
6	On site	Iras Ltd, Unit 1, Bold Business Centre, Bold Lane, St Helens, Merseyside, WA9 4TX	Operator: Iras Ltd Type: Disposal Of Radioactive Waste (was Rsa60 Section 6). Permission number: AB8023 Date of approval: 31/03/1991	Effective from: 31/03/1991 Last date of update: 01/01/2015 Status: Revoked/cancelled

This data is sourced from the Environment Agency and Natural Resources Wales.



4.13 Licensed Discharges to controlled waters

Records within 500m

14

Discharges of treated or untreated effluent to controlled waters under the Water Resources Act 1991.

Features are displayed on the Current industrial land use map on [page 78 >](#)

ID	Location	Address	Details	
7	On site	BOLD (CAPPER NEILLS), ST HELENS, MERSEYSIDE	Effluent Type: MISCELLANEOUS DISCHARGES - EMERGENCY DISCHARGES Permit Number: 01STH0103 Permit Version: 1 Receiving Water: NO EMERGENCY FLOW	Status: CONSENT REVOKED OR REVISED - NEW CONSENT ISSUED (37(1)) Issue date: - Effective Date: 01/01/1995 Revocation Date: 29/06/2004
F	40m NE	BOLD (CAPPER NEILLS), ST HELENS, MERSEYSIDE	Effluent Type: SEWAGE DISCHARGES - PUMPING STATION - WATER COMPANY Permit Number: 01STH0103 Permit Version: 2 Receiving Water: NO EMERGENCY FLOW	Status: MODIFIED - (WRA 91 SCHED 10 - AS AMENDED BY ENV ACT 1995) Issue date: 30/06/2004 Effective Date: 30/06/2004 Revocation Date: -
O	179m NE	TURBINE HALL & BOILER HOUSE, BOLD POWER STATION, ST HELENS, MERSEYSIDE	Effluent Type: TRADE DISCHARGES - COOLING WATER Permit Number: 016992542 Permit Version: 2 Receiving Water: TRIB OF SUTTON BROOK	Status: LAPSED UNDER SCHEDULE 23 ENVIRONMENT ACT 1995 Issue date: - Effective Date: 03/08/1993 Revocation Date: 01/10/1996
O	179m NE	TURBINE HALL & BOILER HOUSE, BOLD POWER STATION, ST HELENS, MERSEYSIDE	Effluent Type: TRADE DISCHARGES - COOLING WATER Permit Number: 016992542 Permit Version: 1 Receiving Water: TRIB OF SUTTON BROOK	Status: REVOKED - UNSPECIFIED Issue date: - Effective Date: 18/02/1993 Revocation Date: 02/08/1993
41	223m NE	THE PASTURES PUMPING STATION, BOLD, ST.HELENS, MERSEYSIDE	Effluent Type: SEWAGE DISCHARGES - PUMPING STATION - WATER COMPANY Permit Number: 016993375 Permit Version: 1 Receiving Water: DRAIN TO TRIB OF SUTTON BROOK	Status: NEW CONSENT (WRA 91, S88 & SCHED 10 AS AMENDED BY ENV ACT 1995) Issue date: 20/07/2000 Effective Date: 20/07/2000 Revocation Date: -
47	413m NE	BOLD COLLIERY, BOLD, ST HELENS, MERSEYSIDE	Effluent Type: TRADE DISCHARGES - COOLING WATER Permit Number: 016993004 Permit Version: 1 Receiving Water: UNNAMED TRIB SUTTON BROOK	Status: LAPSED UNDER SCHEDULE 23 ENVIRONMENT ACT 1995 Issue date: - Effective Date: 04/08/1995 Revocation Date: 01/10/1996



ID	Location	Address	Details	
U	435m W	LEACH LANE ST HELENS CSO, 318 LEACH LANE, SUTTON LEACH, ST HELENS, MERSEYSIDE, WA9 4PQ	Effluent Type: SEWAGE DISCHARGES - SEWER STORM OVERFLOW - WATER COMPANY Permit Number: 016982980 Permit Version: 2 Receiving Water: SUTTON MILL BROOK	Status: CONSENT REVOKED OR REVISED - NEW CONSENT ISSUED (37(1)) Issue date: - Effective Date: 15/11/1995 Revocation Date: 24/11/2004
U	435m W	LEACH LANE ST HELENS CSO, 318 LEACH LANE, SUTTON LEACH, ST HELENS, MERSEYSIDE, WA9 4PQ	Effluent Type: SEWAGE DISCHARGES - SEWER STORM OVERFLOW - WATER COMPANY Permit Number: 016982980 Permit Version: 1 Receiving Water: SUTTON MILL BROOK	Status: REVOKED - UNSPECIFIED Issue date: - Effective Date: 16/06/1995 Revocation Date: 14/11/1995
U	435m W	LEACH LANE ST HELENS CSO, 318 LEACH LANE, SUTTON LEACH, ST HELENS, MERSEYSIDE, WA9 4PQ	Effluent Type: SEWAGE DISCHARGES - SEWER STORM OVERFLOW - WATER COMPANY Permit Number: 016982980 Permit Version: 3 Receiving Water: SUTTON MILL BROOK	Status: MODIFIED - (WRA 91 SCHED 10 - AS AMENDED BY ENV ACT 1995) Issue date: - Effective Date: 25/11/2004 Revocation Date: 26/11/2019
U	438m W	LEACH LANE ST HELENS CSO, 318 LEACH LANE, SUTTON LEACH, ST HELENS, MERSEYSIDE, WA9 4PQ	Effluent Type: SEWAGE DISCHARGES - SEWER STORM OVERFLOW - WATER COMPANY Permit Number: 016982980 Permit Version: 4 Receiving Water: SUTTON MILL BROOK	Status: VARIED UNDER EPR 2010 Issue date: 27/11/2019 Effective Date: 27/11/2019 Revocation Date: -
W	453m NE	NCB BOLD COLLIERY, BOLD, ST HELENS, MERSEYSIDE	Effluent Type: SEWAGE DISCHARGES - FINAL/TREATED EFFLUENT - NOT WATER COMPANY Permit Number: 016990461 Permit Version: 1 Receiving Water: TRIB OF SUTTON BROOK	Status: PRE NRA LEGISLATION WHERE ISSUE DATE 01-SEP-89 (HISTORIC ONLY) Issue date: 22/09/1983 Effective Date: 22/09/1983 Revocation Date: 26/02/1988
W	453m NE	NCB BOLD COLLIERY, BOLD, ST HELENS, MERSEYSIDE	Effluent Type: TRADE DISCHARGES - SITE DRAINAGE (CONTAM SURFACE WATER, NOT WASTE SIT Permit Number: 016990459 Permit Version: 1 Receiving Water: U/N TRIB SUTTON BROOK	Status: REVOKED - UNSPECIFIED Issue date: - Effective Date: 26/02/1988 Revocation Date: 22/03/1991



ID	Location	Address	Details	
W	453m NE	NCB BOLD COLLIERY, BOLD, ST HELENS, MERSEYSIDE	Effluent Type: SEWAGE DISCHARGES - FINAL/TREATED EFFLUENT - NOT WATER COMPANY Permit Number: 016990461 Permit Version: 1 Receiving Water: TRIB OF SUTTON BROOK	Status: PRE NRA LEGISLATION WHERE ISSUE DATE 01-SEP-89 (HISTORIC ONLY) Issue date: 22/09/1983 Effective Date: 22/09/1983 Revocation Date: 26/02/1988
51	489m N	BOLD POWER STATION PS, BOLD ROAD, BOLD, ST HELENS, MERSEYSIDE, WA9 4JG	Effluent Type: TRADE DISCHARGES - COOLING WATER Permit Number: 016990244 Permit Version: 1 Receiving Water: TRIBUTARY SUTTON BROOK	Status: REVOKED - UNSPECIFIED Issue date: - Effective Date: 01/02/1981 Revocation Date: 20/06/1991

This data is sourced from the Environment Agency and Natural Resources Wales.

4.14 Pollutant release to surface waters (Red List)

Records within 500m	0
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Discharges of specified substances under the Environmental Protection (Prescribed Processes and Substances) Regulations 1991.

This data is sourced from the Environment Agency and Natural Resources Wales.

4.15 Pollutant release to public sewer

Records within 500m	0
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Discharges of Special Category Effluents to the public sewer.

This data is sourced from the Environment Agency and Natural Resources Wales.

4.16 List 1 Dangerous Substances

Records within 500m	0
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Discharges of substances identified on List I of European Directive E 2006/11/EC, and regulated under the Environmental Damage (Prevention and Remediation) Regulations 2015.

This data is sourced from the Environment Agency and Natural Resources Wales.



4.17 List 2 Dangerous Substances

Records within 500m	0
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Discharges of substances identified on List II of European Directive E 2006/11/EC, and regulated under the Environmental Damage (Prevention and Remediation) Regulations 2015.

This data is sourced from the Environment Agency and Natural Resources Wales.

4.18 Pollution Incidents (EA/NRW)

Records within 500m	26
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Records of substantiated pollution incidents. Since 2006 this data has only included category 1 (major) and 2 (significant) pollution incidents.

Features are displayed on the Current industrial land use map on [page 78 >](#)

ID	Location	Details	
12	24m SE	Incident Date: 25/06/2002 Incident Identification: 87146 Pollutant: Inert Materials and Wastes Pollutant Description: Rocks and Gravel	Water Impact: Category 4 (No Impact) Land Impact: Category 3 (Minor) Air Impact: Category 4 (No Impact)
F	28m NE	Incident Date: 26/06/2001 Incident Identification: 11727 Pollutant: Sewage Materials Pollutant Description: Crude Sewage	Water Impact: Category 3 (Minor) Land Impact: Category 4 (No Impact) Air Impact: Category 4 (No Impact)
G	33m NW	Incident Date: 29/10/2001 Incident Identification: 39939 Pollutant: Atmospheric Pollutants and Effects Pollutant Description: Fumes	Water Impact: Category 2 (Significant) Land Impact: Category 3 (Minor) Air Impact: Category 1 (Major)
G	33m NW	Incident Date: 29/10/2001 Incident Identification: 39939 Pollutant: Contaminated Water Pollutant Description: Firefighting Run-Off	Water Impact: Category 2 (Significant) Land Impact: Category 3 (Minor) Air Impact: Category 1 (Major)
G	33m NW	Incident Date: 29/10/2001 Incident Identification: 39939 Pollutant: Atmospheric Pollutants and Effects:Contaminated Water Pollutant Description: Fumes:Firefighting Run-Off	Water Impact: Category 2 (Significant) Land Impact: Category 3 (Minor) Air Impact: Category 1 (Major)
G	33m NW	Incident Date: 29/10/2001 Incident Identification: 39939 Pollutant: Atmospheric Pollutants and Effects : Contaminated Water Pollutant Description: Fumes :Firefighting Run-Off	Water Impact: Category 2 (Significant) Land Impact: Category 3 (Minor) Air Impact: Category 1 (Major)

ID	Location	Details	
G	33m NW	Incident Date: 29/10/2001 Incident Identification: 39939 Pollutant: Contaminated Water Pollutant Description: Fumes Firefighting Run-Off	Water Impact: Category 2 (Significant) Land Impact: Category 3 (Minor) Air Impact: Category 1 (Major)
35	202m NW	Incident Date: 27/05/2014 Incident Identification: 1239044 Pollutant: Other Pollutant Pollutant Description: Flies	Water Impact: Category 4 (No Impact) Land Impact: Category 4 (No Impact) Air Impact: Category 2 (Significant)
43	226m SW	Incident Date: 19/10/2002 Incident Identification: 115714 Pollutant: Pollutant Not Identified Pollutant Description: Not Identified	Water Impact: Category 4 (No Impact) Land Impact: Category 4 (No Impact) Air Impact: Category 3 (Minor)
R	313m N	Incident Date: 14/04/2002 Incident Identification: 71667 Pollutant: Atmospheric Pollutants and Effects Pollutant Description: Smoke	Water Impact: Category 4 (No Impact) Land Impact: Category 4 (No Impact) Air Impact: Category 3 (Minor)
R	313m N	Incident Date: 14/04/2002 Incident Identification: 71667 Pollutant: Atmospheric Pollutants and Effects Pollutant Description: Smoke	Water Impact: Category 4 (No Impact) Land Impact: Category 4 (No Impact) Air Impact: Category 3 (Minor)
S	333m NW	Incident Date: 07/05/2001 Incident Identification: 4719 Pollutant: Contaminated Water Pollutant Description: Firefighting Run-Off	Water Impact: Category 2 (Significant) Land Impact: Category 3 (Minor) Air Impact: Category 3 (Minor)
S	333m NW	Incident Date: 08/05/2001 Incident Identification: 4860 Pollutant: Contaminated Water Pollutant Description: Firefighting Run-Off	Water Impact: Category 2 (Significant) Land Impact: Category 3 (Minor) Air Impact: Category 3 (Minor)
46	360m N	Incident Date: 07/12/2001 Incident Identification: 46994 Pollutant: Atmospheric Pollutants and Effects Pollutant Description: Smoke	Water Impact: Category 4 (No Impact) Land Impact: Category 4 (No Impact) Air Impact: Category 3 (Minor)
T	408m NW	Incident Date: 02/10/2002 Incident Identification: 112178 Pollutant: General Biodegradable Materials and Wastes Pollutant Description: Other General Biodegradable Material or Waste	Water Impact: Category 4 (No Impact) Land Impact: Category 3 (Minor) Air Impact: Category 4 (No Impact)
T	422m NW	Incident Date: 01/10/2004 Incident Identification: 269628 Pollutant: General Biodegradable Materials and Wastes Pollutant Description: Other General Biodegradable Material or Waste	Water Impact: Category 4 (No Impact) Land Impact: Category 2 (Significant) Air Impact: Category 3 (Minor)



ID	Location	Details	
T	425m NW	Incident Date: 09/12/2002 Incident Identification: 125315 Pollutant: Specific Waste Materials Pollutant Description: Household Waste	Water Impact: Category 4 (No Impact) Land Impact: Category 3 (Minor) Air Impact: Category 4 (No Impact)
T	425m NW	Incident Date: 09/12/2002 Incident Identification: 125315 Pollutant: Inert Materials and Wastes Pollutant Description: Construction and Demolition Materials and Wastes	Water Impact: Category 4 (No Impact) Land Impact: Category 3 (Minor) Air Impact: Category 4 (No Impact)
T	425m NW	Incident Date: 09/12/2002 Incident Identification: 125315 Pollutant: Inert Materials and Wastes:Specific Waste Materials Pollutant Description: Construction and Demolition Materials and Wastes:Household Waste	Water Impact: Category 4 (No Impact) Land Impact: Category 3 (Minor) Air Impact: Category 4 (No Impact)
49	427m N	Incident Date: 23/08/2002 Incident Identification: 102835 Pollutant: Atmospheric Pollutants and Effects Pollutant Description: Smoke	Water Impact: Category 3 (Minor) Land Impact: Category 3 (Minor) Air Impact: Category 2 (Significant)
T	436m NW	Incident Date: 08/09/2004 Incident Identification: 265414 Pollutant: Specific Waste Materials Pollutant Description: Commercial Waste	Water Impact: Category 4 (No Impact) Land Impact: Category 2 (Significant) Air Impact: Category 3 (Minor)
T	436m NW	Incident Date: 21/07/2003 Incident Identification: 175307 Pollutant: Specific Waste Materials Pollutant Description: Commercial Waste	Water Impact: Category 4 (No Impact) Land Impact: Category 3 (Minor) Air Impact: Category 3 (Minor)
V	438m N	Incident Date: 05/05/2006 Incident Identification: 396092 Pollutant: Inert Materials and Wastes Pollutant Description: Construction and Demolition Materials and Wastes	Water Impact: Category 4 (No Impact) Land Impact: Category 2 (Significant) Air Impact: Category 2 (Significant)
V	438m N	Incident Date: 05/05/2006 Incident Identification: 396092 Pollutant: Specific Waste Materials Pollutant Description: Commercial Waste	Water Impact: Category 4 (No Impact) Land Impact: Category 2 (Significant) Air Impact: Category 2 (Significant)
50	479m NW	Incident Date: 25/06/2003 Incident Identification: 168784 Pollutant: General Biodegradable Materials and Wastes Pollutant Description: Other General Biodegradable Material or Waste	Water Impact: Category 4 (No Impact) Land Impact: Category 3 (Minor) Air Impact: Category 4 (No Impact)



ID	Location	Details	
53	498m W	Incident Date: 20/10/2006 Incident Identification: 444840 Pollutant: Oils and Fuel Pollutant Description: Mixed/Waste Oils	Water Impact: Category 2 (Significant) Land Impact: Category 3 (Minor) Air Impact: Category 3 (Minor)

This data is sourced from the Environment Agency and Natural Resources Wales.

4.19 Pollution inventory substances

Records within 500m	0
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The pollution inventory (substances) includes reporting on annual emissions of certain regulated substances to air, controlled waters and land. A reporting threshold for each substance is also included. Where emissions fall below the reporting threshold, no value will be given. The data is given for the most recent complete year available.

This data is sourced from the Environment Agency and the Scottish Environment Protection Agency.

4.20 Pollution inventory waste transfers

Records within 500m	0
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The pollution inventory (waste transfers) includes reporting on annual transfers and recovery/disposal of controlled wastes from a site. A reporting threshold for each waste type is also included. Where releases fall below the reporting threshold, no value will be given. The data is given for the most recent complete year available.

This data is sourced from the Environment Agency and the Scottish Environment Protection Agency.

4.21 Pollution inventory radioactive waste

Records within 500m	1
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The pollution inventory (radioactive wastes) includes reporting on annual releases of radioactive substances from a site, including the means of release. Where releases fall below the reporting threshold, no value will be given. The data is given for the most recent complete year available.

Features are displayed on the Current industrial land use map on [page 78 >](#)

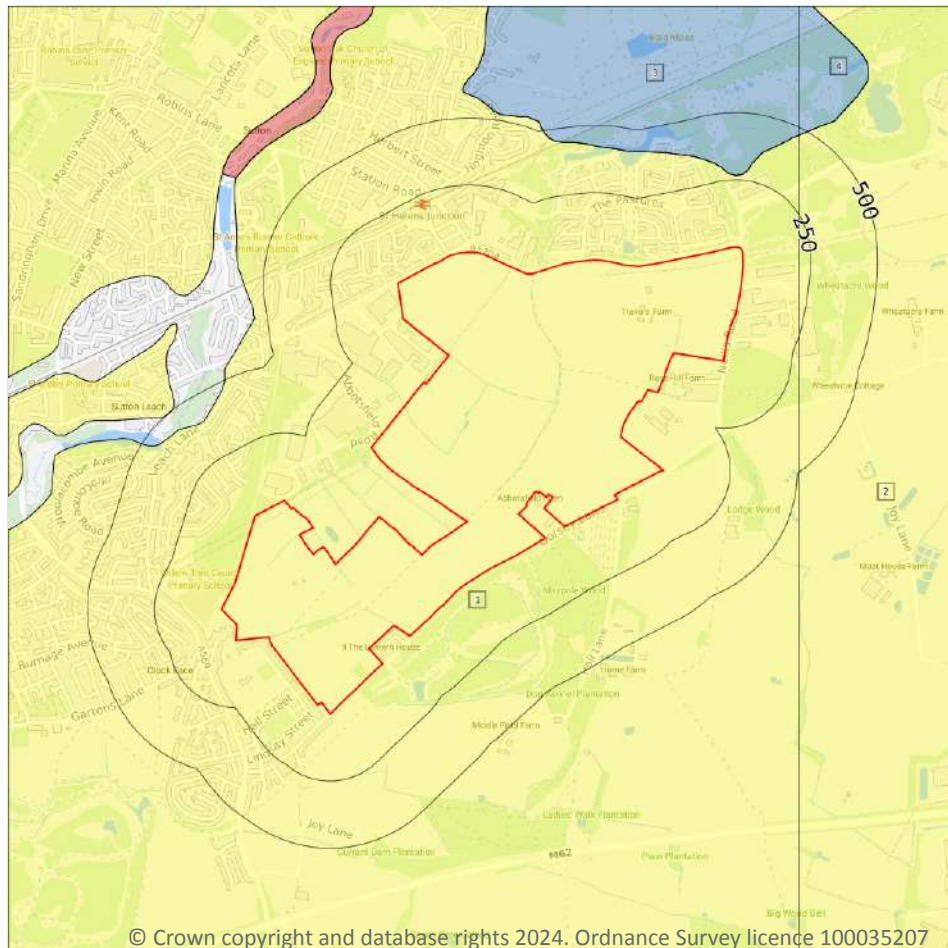
ID: Q, Location: 261m NE, Permit: MB3697DL
 Operator: IRAS Active Analytics Limited
 Address: UNIT 1 BOLD BUSINESS CENTRE BOLD LANE ST HELENS MERSEYSIDE WA9 4TX
 Releases:

Route	Substance	Quantity released
Wastewater	Tritium	--
Air	Tritium	--
Wastewater	Yttrium 90	--
Air	Carbon 14	--
Wastewater	Carbon 14	--
Wastewater	Chromium 51	--
Wastewater	Cobalt 57	--
Wastewater	Zirconium 95	--
Wastewater	Antimony 125	--
Air	Other Alpha Particulate	--
Air	Other Beta/Gamma Particulate	--
Wastewater	Other Beta/Gamma	--
Wastewater	Other Alpha Particulate	--
Wastewater	Cobalt 60	--
Wastewater	Strontium 90	--
Wastewater	Ruthenium 106	--
Wastewater	Iodine 129	--
Wastewater	Caesium 134	--
Wastewater	Caesium 137	--
Wastewater	Americium 241	--
Wastewater	Cerium 144	--
Wastewater	Technetium 99	--
Wastewater	Cobalt 58	--
Wastewater	Niobium 95	--
Wastewater	Total Alpha	--
Wastewater	Total Beta/Gamma (Excl Tritium)	--
Wastewater	Sodium 22	--
Wastewater	Plutonium Alpha	--

This data is sourced from the Environment Agency and the Scottish Environment Protection Agency.



5 Hydrogeology - Superficial aquifer



- Site Outline
- Search buffers in metres (m)
- Principal
 - Secondary A
 - Secondary B
 - Secondary Undifferentiated
 - Unproductive
 - Unknown

5.1 Superficial aquifer

Records within 500m

4

Aquifer status of groundwater held within superficial geology.

Features are displayed on the Hydrogeology map on [page 96](#) >

ID	Location	Designation	Description
1	On site	Secondary Undifferentiated	Assigned where it is not possible to attribute either category A or B to a rock type. In general these layers have previously been designated as both minor and non-aquifer in different locations due to the variable characteristics of the rock type
2	210m NE	Secondary Undifferentiated	Assigned where it is not possible to attribute either category A or B to a rock type. In general these layers have previously been designated as both minor and non-aquifer in different locations due to the variable characteristics of the rock type

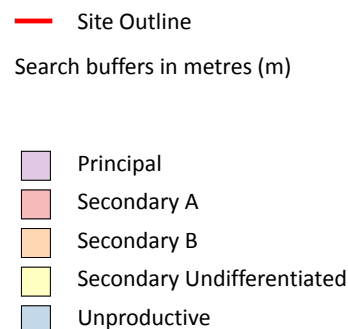
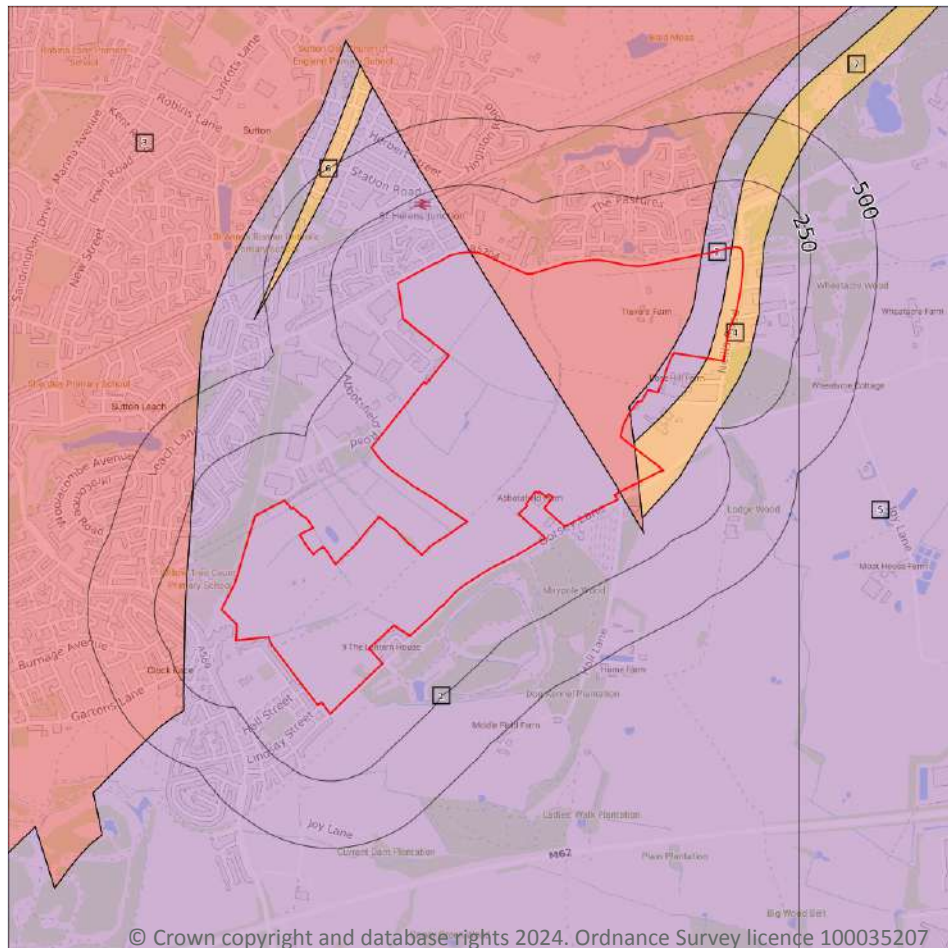


ID	Location	Designation	Description
3	266m NE	Unproductive	These are rock layers or drift deposits with low permeability that have negligible significance for water supply or river base flow
4	476m NE	Unproductive	These are rock layers or drift deposits with low permeability that have negligible significance for water supply or river base flow

This data is sourced from the British Geological Survey, the Environment Agency and Natural Resources Wales.



Bedrock aquifer



5.2 Bedrock aquifer

Records within 500m

7

Aquifer status of groundwater held within bedrock geology.

Features are displayed on the Bedrock aquifer map on [page 98](#) >

ID	Location	Designation	Description
1	On site	Principal	Geology of high intergranular and/or fracture permeability, usually providing a high level of water storage and may support water supply/river base flow on a strategic scale. Generally principal aquifers were previously major aquifers
2	On site	Principal	Geology of high intergranular and/or fracture permeability, usually providing a high level of water storage and may support water supply/river base flow on a strategic scale. Generally principal aquifers were previously major aquifers

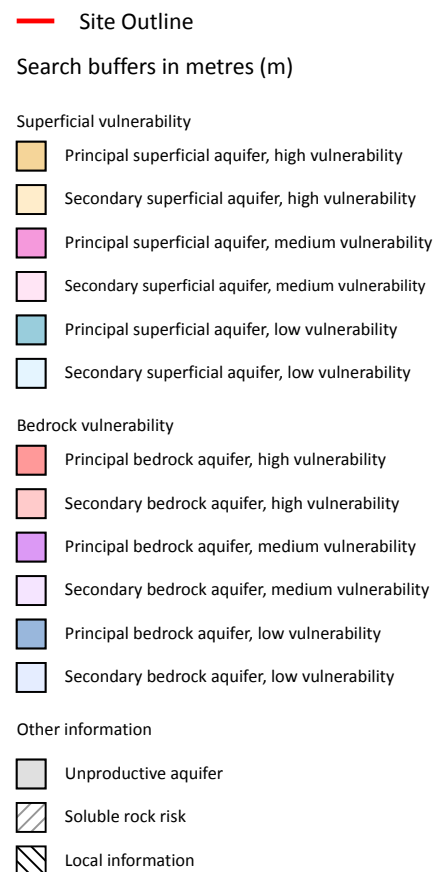
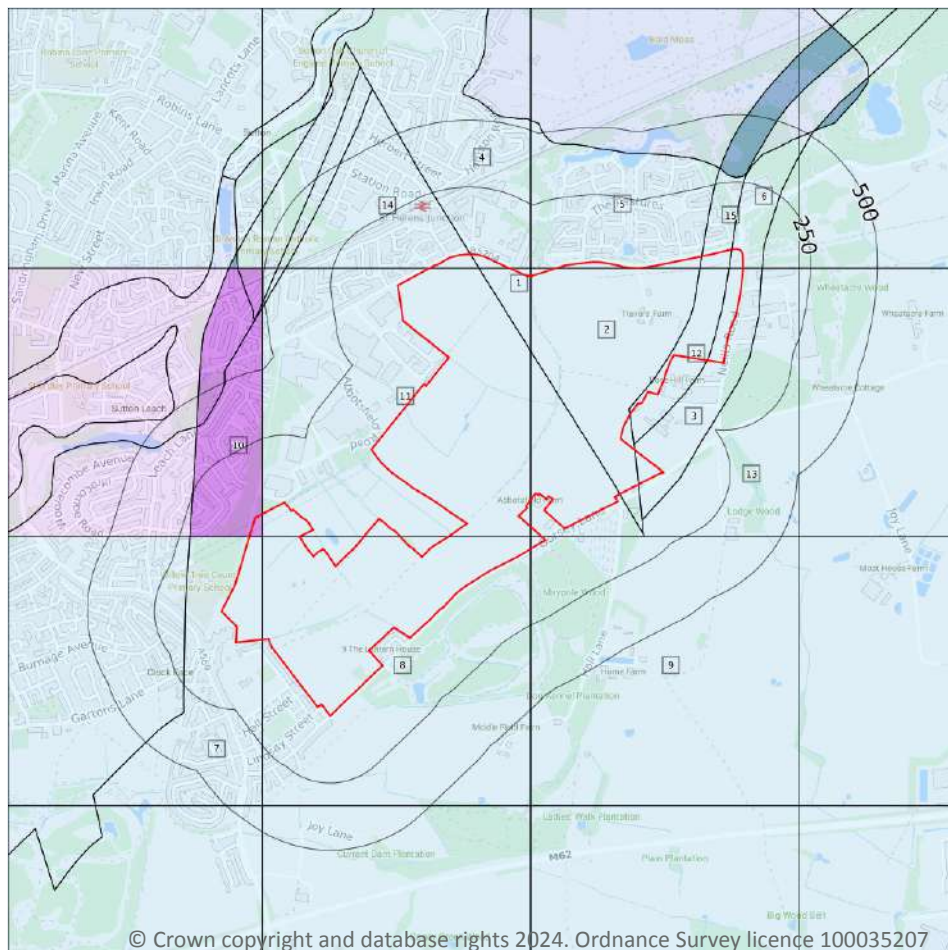


ID	Location	Designation	Description
3	On site	Secondary A	Permeable layers capable of supporting water supplies at a local rather than strategic scale, and in some cases forming an important source of base flow to rivers. These are generally aquifers formerly classified as minor aquifers
4	On site	Secondary B	Predominantly lower permeability layers which may store/yield limited amounts of groundwater due to localised features such as fissures, thin permeable horizons and weathering. These are generally the water-bearing parts of the former non-aquifers
5	210m NE	Principal	Geology of high intergranular and/or fracture permeability, usually providing a high level of water storage and may support water supply/river base flow on a strategic scale. Generally principal aquifers were previously major aquifers
6	396m NW	Secondary B	Predominantly lower permeability layers which may store/yield limited amounts of groundwater due to localised features such as fissures, thin permeable horizons and weathering. These are generally the water-bearing parts of the former non-aquifers
7	416m NE	Secondary B	Predominantly lower permeability layers which may store/yield limited amounts of groundwater due to localised features such as fissures, thin permeable horizons and weathering. These are generally the water-bearing parts of the former non-aquifers

This data is sourced from the British Geological Survey, the Environment Agency and Natural Resources Wales.



Groundwater vulnerability



5.3 Groundwater vulnerability

Records within 50m

15

An assessment of the vulnerability of groundwater to a pollutant discharged at ground level based on the hydrological, geological, hydrogeological and soil properties within a one kilometre square grid. Groundwater vulnerability is described as High, Medium or Low as follows:

- High - Areas able to easily transmit pollution to groundwater. They are likely to be characterised by high leaching soils and the absence of low permeability superficial deposits.
- Medium - Intermediate between high and low vulnerability.
- Low - Areas that provide the greatest protection from pollution. They are likely to be characterised by low leaching soils and/or the presence of superficial deposits characterised by a low permeability.

Features are displayed on the Groundwater vulnerability map on [page 100](#) >



ID	Location	Summary	Soil / surface	Superficial geology	Bedrock geology
1	On site	Summary Classification: Secondary superficial aquifer - Low Vulnerability Combined classification: Productive Bedrock Aquifer, Productive Superficial Aquifer	Leaching class: Low Infiltration value: <40% Dilution value: 300- 550mm/year	Vulnerability: Low Aquifer type: Secondary Thickness: >10m Patchiness value: <90% Recharge potential: Low	Vulnerability: Low Aquifer type: Secondary Flow mechanism: Well connected fractures
2	On site	Summary Classification: Secondary superficial aquifer - Low Vulnerability Combined classification: Productive Bedrock Aquifer, Productive Superficial Aquifer	Leaching class: Low Infiltration value: <40% Dilution value: 300- 550mm/year	Vulnerability: Low Aquifer type: Secondary Thickness: >10m Patchiness value: >90% Recharge potential: Low	Vulnerability: Low Aquifer type: Secondary Flow mechanism: Well connected fractures
3	On site	Summary Classification: Secondary superficial aquifer - Low Vulnerability Combined classification: Productive Bedrock Aquifer, Productive Superficial Aquifer	Leaching class: Low Infiltration value: <40% Dilution value: 300- 550mm/year	Vulnerability: Low Aquifer type: Secondary Thickness: >10m Patchiness value: >90% Recharge potential: Low	Vulnerability: Low Aquifer type: Secondary Flow mechanism: Well connected fractures
4	On site	Summary Classification: Secondary superficial aquifer - Low Vulnerability Combined classification: Productive Bedrock Aquifer, Productive Superficial Aquifer	Leaching class: Low Infiltration value: <40% Dilution value: 300- 550mm/year	Vulnerability: Low Aquifer type: Secondary Thickness: 3-10m Patchiness value: >90% Recharge potential: Medium	Vulnerability: Low Aquifer type: Secondary Flow mechanism: Well connected fractures
5	On site	Summary Classification: Secondary superficial aquifer - Low Vulnerability Combined classification: Productive Bedrock Aquifer, Productive Superficial Aquifer	Leaching class: Low Infiltration value: <40% Dilution value: 300- 550mm/year	Vulnerability: Low Aquifer type: Secondary Thickness: >10m Patchiness value: >90% Recharge potential: Low	Vulnerability: Low Aquifer type: Secondary Flow mechanism: Well connected fractures
6	On site	Summary Classification: Secondary superficial aquifer - Low Vulnerability Combined classification: Productive Bedrock Aquifer, Productive Superficial Aquifer	Leaching class: Low Infiltration value: <40% Dilution value: 300- 550mm/year	Vulnerability: Low Aquifer type: Secondary Thickness: >10m Patchiness value: >90% Recharge potential: Low	Vulnerability: Low Aquifer type: Secondary Flow mechanism: Well connected fractures



ID	Location	Summary	Soil / surface	Superficial geology	Bedrock geology
7	On site	Summary Classification: Secondary superficial aquifer - Low Vulnerability Combined classification: Productive Bedrock Aquifer, Productive Superficial Aquifer	Leaching class: Low Infiltration value: <40% Dilution value: 300- 550mm/year	Vulnerability: Low Aquifer type: Secondary Thickness: >10m Patchiness value: >90% Recharge potential: Medium	Vulnerability: Low Aquifer type: Principal Flow mechanism: Well connected fractures
8	On site	Summary Classification: Secondary superficial aquifer - Low Vulnerability Combined classification: Productive Bedrock Aquifer, Productive Superficial Aquifer	Leaching class: Low Infiltration value: <40% Dilution value: 300- 550mm/year	Vulnerability: Low Aquifer type: Secondary Thickness: >10m Patchiness value: >90% Recharge potential: Low	Vulnerability: Low Aquifer type: Principal Flow mechanism: Mixed
9	On site	Summary Classification: Secondary superficial aquifer - Low Vulnerability Combined classification: Productive Bedrock Aquifer, Productive Superficial Aquifer	Leaching class: Low Infiltration value: <40% Dilution value: 300- 550mm/year	Vulnerability: Low Aquifer type: Secondary Thickness: >10m Patchiness value: >90% Recharge potential: Low	Vulnerability: Low Aquifer type: Principal Flow mechanism: Mixed
10	On site	Summary Classification: Principal bedrock aquifer - Medium Vulnerability Combined classification: Productive Bedrock Aquifer, Productive Superficial Aquifer	Leaching class: Low Infiltration value: <40% Dilution value: 300- 550mm/year	Vulnerability: Low Aquifer type: Secondary Thickness: <3m Patchiness value: <90% Recharge potential: Medium	Vulnerability: Medium Aquifer type: Principal Flow mechanism: Well connected fractures
11	On site	Summary Classification: Secondary superficial aquifer - Low Vulnerability Combined classification: Productive Bedrock Aquifer, Productive Superficial Aquifer	Leaching class: Low Infiltration value: <40% Dilution value: 300- 550mm/year	Vulnerability: Low Aquifer type: Secondary Thickness: >10m Patchiness value: <90% Recharge potential: Low	Vulnerability: Low Aquifer type: Principal Flow mechanism: Well connected fractures
12	On site	Summary Classification: Secondary superficial aquifer - Low Vulnerability Combined classification: Productive Bedrock Aquifer, Productive Superficial Aquifer	Leaching class: Low Infiltration value: <40% Dilution value: 300- 550mm/year	Vulnerability: Low Aquifer type: Secondary Thickness: >10m Patchiness value: >90% Recharge potential: Low	Vulnerability: Low Aquifer type: Principal Flow mechanism: Well connected fractures



ID	Location	Summary	Soil / surface	Superficial geology	Bedrock geology
13	On site	Summary Classification: Secondary superficial aquifer - Low Vulnerability Combined classification: Productive Bedrock Aquifer, Productive Superficial Aquifer	Leaching class: Low Infiltration value: <40% Dilution value: 300- 550mm/year	Vulnerability: Low Aquifer type: Secondary Thickness: >10m Patchiness value: >90% Recharge potential: Low	Vulnerability: Low Aquifer type: Principal Flow mechanism: Well connected fractures
14	On site	Summary Classification: Secondary superficial aquifer - Low Vulnerability Combined classification: Productive Bedrock Aquifer, Productive Superficial Aquifer	Leaching class: Low Infiltration value: <40% Dilution value: 300- 550mm/year	Vulnerability: Low Aquifer type: Secondary Thickness: 3-10m Patchiness value: >90% Recharge potential: Medium	Vulnerability: Low Aquifer type: Principal Flow mechanism: Well connected fractures
15	On site	Summary Classification: Secondary superficial aquifer - Low Vulnerability Combined classification: Productive Bedrock Aquifer, Productive Superficial Aquifer	Leaching class: Low Infiltration value: <40% Dilution value: 300- 550mm/year	Vulnerability: Low Aquifer type: Secondary Thickness: >10m Patchiness value: >90% Recharge potential: Low	Vulnerability: Low Aquifer type: Principal Flow mechanism: Well connected fractures

This data is sourced from the British Geological Survey, the Environment Agency and Natural Resources Wales.

5.4 Groundwater vulnerability- soluble rock risk

Records on site	0
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This dataset identifies areas where solution features that enable rapid movement of a pollutant may be present within a 1km grid square.

This data is sourced from the British Geological Survey and the Environment Agency.

5.5 Groundwater vulnerability- local information

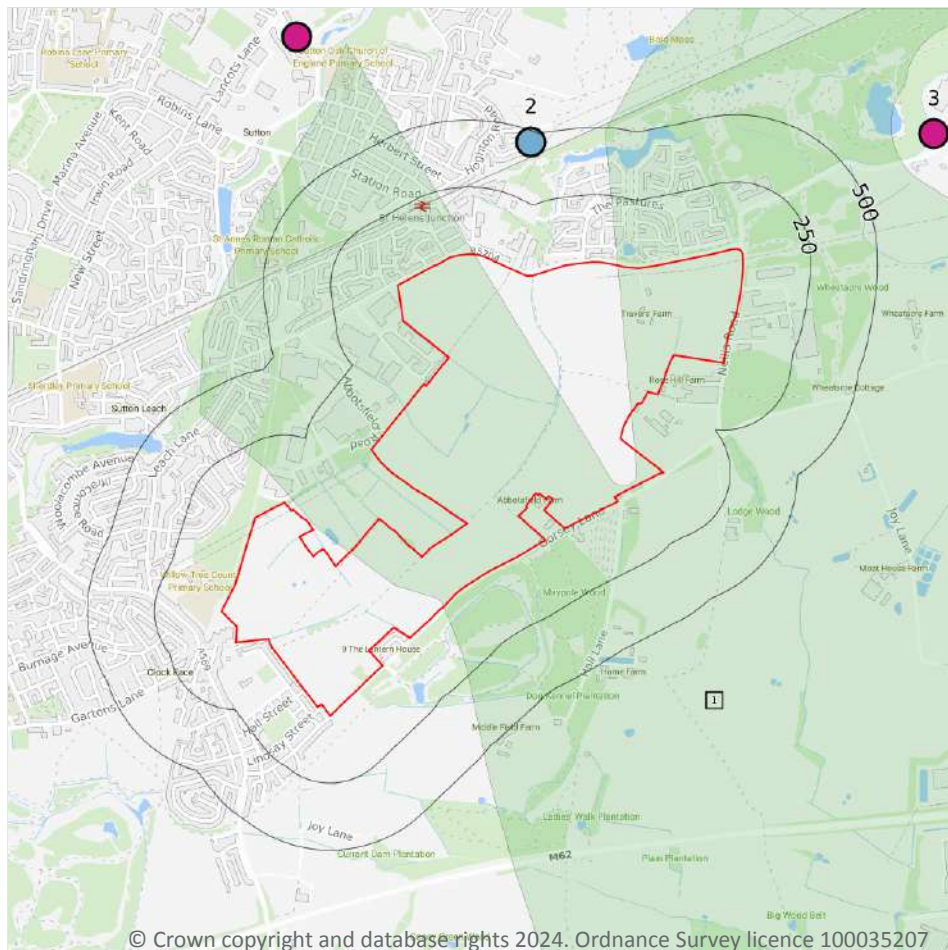
Records on site	0
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This dataset identifies areas where additional local information affecting vulnerability is held by the Environment Agency. Further information can be obtained by contacting the Environment Agency local Area groundwater team through the Environment Agency National Customer Call Centre on 03798 506 506 or by email on enquiries@environment-agency.gov.uk ↗.

This data is sourced from the British Geological Survey and the Environment Agency.



Abstractions and Source Protection Zones



- Site Outline
- Search buffers in metres (m)
- Source Protection Zone 1
Inner catchment
- Source Protection Zone 2
Outer catchment
- Source Protection Zone 3
Total catchment
- Source Protection Zone 4
Zone of Special Interest
- Source Protection Zone 1c
Inner catchment - confined aquifer
- Source Protection Zone 2c
Outer catchment - confined aquifer
- Source Protection Zone 3c
Total catchment - confined aquifer
- Drinking water abstraction licences
Polygon features
- Drinking water abstraction licences
Linear features
- Groundwater abstraction licence (point)
- Groundwater abstraction licence (area)
- Groundwater abstraction licence (linear)
- Surface Water Abstractions (point)
- Surface Water Abstractions (area)
- Surface Water Abstractions (linear)

5.6 Groundwater abstractions

Records within 2000m

12

Licensed groundwater abstractions for sites extracting more than 20 cubic metres of water a day and includes active and historical records. The data may be for a single abstraction point, between two points (line data) or a larger area.

Features are displayed on the Abstractions and Source Protection Zones map on [page 104](#) >

ID	Location	Details	
3	839m NE	Status: Historical Licence No: 2569025019 Details: Process Water Direct Source: Ground Water - North West Region Point: B/HOLES X 3 AT BURTONWOOD, WARRINGTON Data Type: Point Name: Molson Coors Brewing Company (UK) Limited Easting: 355500 Northing: 393500	Annual Volume (m ³): 250939.20 Max Daily Volume (m ³): 1136.50 Original Application No: - Original Start Date: 18/02/1966 Expiry Date: - Issue No: 102 Version Start Date: 15/06/2015 Version End Date: -
-	926m NE	Status: Active Licence No: 2569025019 Details: Process Water Direct Source: Ground Water - North West Region Point: B/HOLES (3) AT BURTONWOOD, WARRINGTON Data Type: Point Name: THOMAS HARDY BURTONWOOD LTD Easting: 355600 Northing: 393500	Annual Volume (m ³): 250939.2 Max Daily Volume (m ³): 1136.5 Original Application No: NPS/WR/036484 Original Start Date: 18/02/1966 Expiry Date: - Issue No: 103 Version Start Date: 06/01/2022 Version End Date: -
-	926m NE	Status: Active Licence No: 2569025019 Details: Process Water Direct Source: Ground Water - North West Region Point: B/HOLES X 3 AT BURTONWOOD, WARRINGTON Data Type: Point Name: THOMAS HARDY BURTONWOOD LTD Easting: 355600 Northing: 393500	Annual Volume (m ³): 250939.2 Max Daily Volume (m ³): 1136.5 Original Application No: NPS/WR/036484 Original Start Date: 18/02/1966 Expiry Date: - Issue No: 103 Version Start Date: 06/01/2022 Version End Date: -
-	926m NE	Status: Historical Licence No: 2569025019 Details: Process water Direct Source: Ground Water - North West Region Point: "B/HOLES (3) AT BURTONWOOD, WARRINGTON" Data Type: Point Name: BURTONWOOD BREWERY CO FORSHAWS LTD Easting: 355600 Northing: 393500	Annual Volume (m ³): - Max Daily Volume (m ³): - Original Application No: - Original Start Date: 18/02/1966 Expiry Date: - Issue No: 100 Version Start Date: 18/02/1966 Version End Date: -
-	976m NE	Status: Active Licence No: 2569025019 Details: Process Water Direct Source: Ground Water - North West Region Point: B/HOLES (3) AT BURTONWOOD, WARRINGTON Data Type: Point Name: THOMAS HARDY BURTONWOOD LTD Easting: 355700 Northing: 393400	Annual Volume (m ³): 250939.2 Max Daily Volume (m ³): 1136.5 Original Application No: NPS/WR/036484 Original Start Date: 18/02/1966 Expiry Date: - Issue No: 103 Version Start Date: 06/01/2022 Version End Date: -



ID	Location	Details	
-	976m NE	Status: Historical Licence No: 2569025019 Details: Process water Direct Source: Ground Water - North West Region Point: B/HOLES (3) AT BURTONWOOD, WARRINGTON 195 Data Type: Point Name: BURTONWOOD BREWERY CO FORSHAW'S LTD Easting: 355700 Northing: 393400	Annual Volume (m³): - Max Daily Volume (m³): - Original Application No: - Original Start Date: 18/02/1966 Expiry Date: - Issue No: 100 Version Start Date: 18/02/1966 Version End Date: -
-	976m NE	Status: Historical Licence No: 2569025019 Details: Process water Direct Source: Ground Water - North West Region Point: "B/HOLES (3) AT BURTONWOOD, WARRINGTON \$195" Data Type: Point Name: BURTONWOOD BREWERY CO FORSHAW'S LTD Easting: 355700 Northing: 393400	Annual Volume (m³): - Max Daily Volume (m³): - Original Application No: - Original Start Date: 18/02/1966 Expiry Date: - Issue No: 100 Version Start Date: 18/02/1966 Version End Date: -
-	976m NE	Status: Historical Licence No: 2569025019 Details: Process water Direct Source: Ground Water - North West Region Point: B/HOLES (3) AT BURTONWOOD, WARRINGTON \$195 Data Type: Point Name: BURTONWOOD BREWERY CO FORSHAW'S LTD Easting: 355700 Northing: 393400	Annual Volume (m³): - Max Daily Volume (m³): - Original Application No: - Original Start Date: 18/02/1966 Expiry Date: - Issue No: 100 Version Start Date: 18/02/1966 Version End Date: -
4	991m NW	Status: Historical Licence No: 2569025087 Details: Dust Suppression Direct Source: Ground Water - North West Region Point: BOREHOLE AT LANCOTS LANE SUTTON ST HELENS Data Type: Point Name: VIRIDOR GLASS RECYCLING LTD Easting: 353130 Northing: 393860	Annual Volume (m³): 5000 Max Daily Volume (m³): 40 Original Application No: - Original Start Date: 27/10/2004 Expiry Date: 31/03/2016 Issue No: 1 Version Start Date: 01/04/2008 Version End Date: -



ID	Location	Details	
-	1051m NE	Status: Active Licence No: NW/069/0025/008/R01 Details: Process Water Direct Source: Ground Water - North West Region Point: BURTONWOOD, WARRINGTON, CHESHIRE Data Type: Point Name: THOMAS HARDY BURTONWOOD LTD Easting: 355643 Northing: 393667	Annual Volume (m ³): 120000 Max Daily Volume (m ³): 600 Original Application No: NPS/WR/036648 Original Start Date: 11/05/2023 Expiry Date: 31/03/2028 Issue No: 1 Version Start Date: 11/05/2023 Version End Date: -
-	1051m NE	Status: Historical Licence No: NW/069/0025/008 Details: Process Water Direct Source: Ground Water - North West Region Point: BURTONWOOD, WARRINGTON, CHESHIRE Data Type: Point Name: THOMAS HARDY BURTONWOOD LTD Easting: 355643 Northing: 393667	Annual Volume (m ³): 120000 Max Daily Volume (m ³): 600 Original Application No: NPS/WR/027467 Original Start Date: 05/04/2018 Expiry Date: 31/03/2023 Issue No: 1 Version Start Date: 05/04/2018 Version End Date: -
-	1051m NE	Status: Historical Licence No: NW/069/0025/008/L Details: Process Water Direct Source: Ground Water - North West Region Point: BURTONWOOD, WARRINGTON, CHESHIRE Data Type: Point Name: THOMAS HARDY BURTONWOOD LTD Easting: 355643 Northing: 393667	Annual Volume (m ³): 120000 Max Daily Volume (m ³): 600 Original Application No: NPS/WR/027467 Original Start Date: 01/04/2023 Expiry Date: - Issue No: 1 Version Start Date: 01/04/2023 Version End Date: -

This data is sourced from the Environment Agency and Natural Resources Wales.

5.7 Surface water abstractions

Records within 2000m

1

Licensed surface water abstractions for sites extracting more than 20 cubic metres of water a day and includes active and historical records. The data may be for a single abstraction point, a stretch of watercourse or a larger area.

Features are displayed on the Abstractions and Source Protection Zones map on [page 104 >](#)



ID	Location	Details	
2	460m N	Status: Historical Licence No: 2569025082 Details: Spray Irrigation - Direct Direct Source: Surface, Non-Tidal - North West Region Point: UNNAMED TRIB. OF SUTTON MILL BROOK, SUTTON, ST. HELENS Data Type: Point Name: GREEN Easting: 354000 Northing: 393470	Annual Volume (m ³): - Max Daily Volume (m ³): - Original Application No: - Original Start Date: 19/01/1998 Expiry Date: 19/01/2008 Issue No: 100 Version Start Date: 19/01/1998 Version End Date: -

This data is sourced from the Environment Agency and Natural Resources Wales.

5.8 Potable abstractions

Records within 2000m	0
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Licensed potable water abstractions for sites extracting more than 20 cubic metres of water a day and includes active and historical records. The data may be for a single abstraction point, a stretch of watercourse or a larger area.

This data is sourced from the Environment Agency and Natural Resources Wales.

5.9 Source Protection Zones

Records within 500m	1
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Source Protection Zones define the sensitivity of an area around a potable abstraction site to contamination. Features are displayed on the Abstractions and Source Protection Zones map on [page 104 >](#)

ID	Location	Type	Description
1	On site	3	Total catchment

This data is sourced from the Environment Agency and Natural Resources Wales.

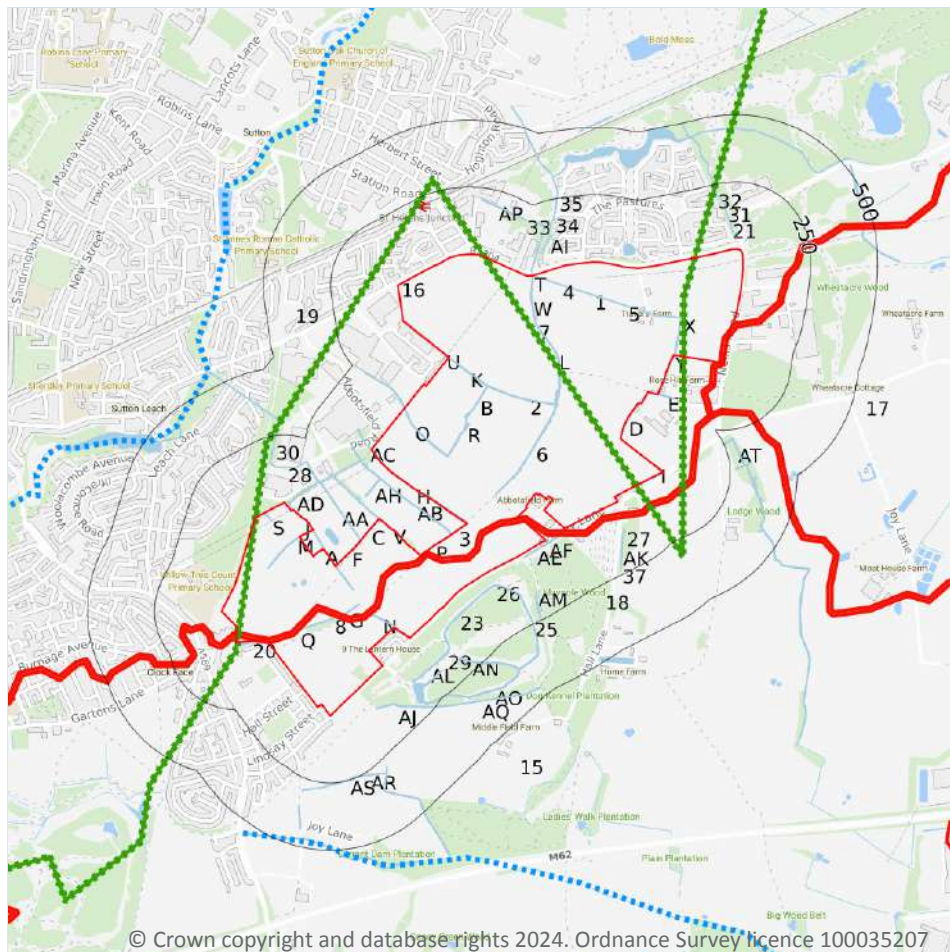
5.10 Source Protection Zones (confined aquifer)

Records within 500m	0
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Source Protection Zones in the confined aquifer define the sensitivity around a deep groundwater abstraction to contamination. A confined aquifer would normally be protected from contamination by overlying geology and is only considered a sensitive resource if deep excavation/drilling is taking place.

This data is sourced from the Environment Agency and Natural Resources Wales.

6 Hydrology



- Site Outline
- Search buffers in metres (m)
- Water Network (OS MasterMap)
- Surface water features (wider than 5m)
- Surface water features (narrower than 5m)
- ⋯ WFD River, canal and surface water transfer water bodies
- WFD Lake water bodies
- WFD Transitional and coastal water bodies
- WFD Surface water body catchments boundaries
- WFD Groundwater body boundaries

6.1 Water Network (OS MasterMap)

Records within 250m

135

Detailed water network of Great Britain showing the flow and precise central course of every river, stream, lake and canal.

Features are displayed on the Hydrology map on [page 109](#) >

ID	Location	Type of water feature	Ground level	Permanence	Name
1	On site	Lake, loch or reservoir.	On ground surface	Watercourse contains water year round (in normal circumstances)	-



ID	Location	Type of water feature	Ground level	Permanence	Name
2	On site	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
3	On site	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
4	On site	Inland river not influenced by normal tidal action.	Not provided	Watercourse contains water year round (in normal circumstances)	-
5	On site	Inland river not influenced by normal tidal action.	Not provided	Watercourse contains water year round (in normal circumstances)	-
6	On site	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
7	On site	Inland river not influenced by normal tidal action.	Underground	Watercourse contains water year round (in normal circumstances)	-
8	On site	Lake, loch or reservoir.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
A	On site	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
A	On site	Lake, loch or reservoir.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
A	On site	Lake, loch or reservoir.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
A	On site	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
A	On site	Inland river not influenced by normal tidal action.	Underground	Watercourse contains water year round (in normal circumstances)	-
A	On site	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-



ID	Location	Type of water feature	Ground level	Permanence	Name
B	On site	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
C	On site	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
D	On site	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
E	On site	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
E	On site	Lake, loch or reservoir.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
E	On site	Lake, loch or reservoir.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
E	On site	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
E	On site	Lake, loch or reservoir.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
E	On site	Inland river not influenced by normal tidal action.	Not provided	Watercourse contains water year round (in normal circumstances)	-
E	On site	Lake, loch or reservoir.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
F	On site	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
G	On site	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
H	On site	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-



ID	Location	Type of water feature	Ground level	Permanence	Name
I	On site	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
J	On site	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
K	On site	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
L	On site	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
M	On site	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
N	On site	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
O	On site	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
P	On site	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
Q	On site	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
R	On site	Lake, loch or reservoir.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
R	On site	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
R	On site	Lake, loch or reservoir.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
S	On site	Lake, loch or reservoir.	On ground surface	Watercourse contains water year round (in normal circumstances)	-



ID	Location	Type of water feature	Ground level	Permanence	Name
S	On site	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
T	On site	Inland river not influenced by normal tidal action.	Underground	Watercourse contains water year round (in normal circumstances)	-
U	On site	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
U	On site	Inland river not influenced by normal tidal action.	Underground	Watercourse contains water year round (in normal circumstances)	-
V	On site	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
W	On site	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
X	On site	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
X	On site	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
Y	On site	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
A	On site	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
T	On site	Inland river not influenced by normal tidal action.	Underground	Watercourse contains water year round (in normal circumstances)	-
A	On site	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
C	1m SW	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-



ID	Location	Type of water feature	Ground level	Permanence	Name
C	1m SW	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
I	1m E	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
I	1m E	Inland river not influenced by normal tidal action.	Underground	Watercourse contains water year round (in normal circumstances)	-
I	1m E	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
C	1m SW	Inland river not influenced by normal tidal action.	Underground	Watercourse contains water year round (in normal circumstances)	-
AA	2m SW	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
20	3m SW	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
AB	4m SW	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
AC	6m W	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
A	11m SW	Lake, loch or reservoir.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
AE	14m S	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
AF	14m SE	Inland river not influenced by normal tidal action.	Underground	Watercourse contains water year round (in normal circumstances)	-
AF	14m SE	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-



ID	Location	Type of water feature	Ground level	Permanence	Name
T	15m N	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
AD	35m W	Lake, loch or reservoir.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
21	36m NE	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
AC	40m W	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
C	45m W	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
AH	45m W	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
C	54m W	Lake, loch or reservoir.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
23	54m S	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
C	54m W	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
C	54m W	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
C	55m W	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
25	56m S	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
26	56m S	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-



ID	Location	Type of water feature	Ground level	Permanence	Name
C	56m W	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
C	59m W	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
AC	70m W	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
AI	72m N	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
AI	79m N	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
C	82m SW	Lake, loch or reservoir.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
C	95m SW	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
27	98m SE	Lake, loch or reservoir.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
AJ	100m SW	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
C	102m SW	Lake, loch or reservoir.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
C	118m W	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
AK	118m SE	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
AL	123m S	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-



ID	Location	Type of water feature	Ground level	Permanence	Name
28	131m W	Inland river not influenced by normal tidal action.	Not provided	Watercourse contains water year round (in normal circumstances)	-
29	133m S	Inland river not influenced by normal tidal action.	Underground	Watercourse contains water year round (in normal circumstances)	-
AL	135m S	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
30	135m W	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
C	137m W	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
AL	137m S	Inland river not influenced by normal tidal action.	Underground	Watercourse contains water year round (in normal circumstances)	-
AL	139m S	Lake, loch or reservoir.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
C	141m W	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
C	141m W	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
C	141m W	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
C	142m W	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
AM	143m S	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
C	145m W	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-



ID	Location	Type of water feature	Ground level	Permanence	Name
AM	156m S	Inland river not influenced by normal tidal action.	Underground	Watercourse contains water year round (in normal circumstances)	-
AL	158m S	Lake, loch or reservoir.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
31	159m NE	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
C	159m W	Lake, loch or reservoir.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
AL	159m S	Lake, loch or reservoir.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
AL	159m S	Lake, loch or reservoir.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
C	160m W	Inland river not influenced by normal tidal action.	Underground	Watercourse contains water year round (in normal circumstances)	-
AM	160m S	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
32	162m NE	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
C	165m W	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
AL	171m S	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
AL	171m S	Lake, loch or reservoir.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
AI	172m N	Inland river not influenced by normal tidal action.	Underground	Watercourse contains water year round (in normal circumstances)	-



ID	Location	Type of water feature	Ground level	Permanence	Name
AL	173m S	Inland river not influenced by normal tidal action.	Underground	Watercourse contains water year round (in normal circumstances)	-
C	174m W	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
33	174m N	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
C	174m W	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
34	175m N	Inland river not influenced by normal tidal action.	Underground	Watercourse contains water year round (in normal circumstances)	-
AN	182m S	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
AP	188m N	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
35	192m N	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
AL	203m S	Inland river not influenced by normal tidal action.	Underground	Watercourse contains water year round (in normal circumstances)	-
AQ	205m S	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
AL	206m S	Inland river not influenced by normal tidal action.	Underground	Watercourse contains water year round (in normal circumstances)	-
AO	208m S	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
37	222m SE	Lake, loch or reservoir.	On ground surface	Watercourse contains water year round (in normal circumstances)	-



ID	Location	Type of water feature	Ground level	Permanence	Name
AR	245m S	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
AS	247m S	Lake, loch or reservoir.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
AS	248m SW	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
AT	250m E	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-

This data is sourced from the Ordnance Survey.

6.2 Surface water features

Records within 250m	45
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Covering rivers, streams and lakes (some overlap with OS MasterMap Water Network data in previous section) but additionally covers smaller features such as ponds. Rivers and streams narrower than 5m are represented as a single line. Lakes, ponds and rivers or streams wider than 5m are represented as polygons.

Features are displayed on the Hydrology map on [page 109 >](#)

This data is sourced from the Ordnance Survey.

6.3 WFD Surface water body catchments

Records on site	3
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The Water Framework Directive is an EU-led framework for the protection of inland surface waters, estuaries, coastal waters and groundwater through river basin-level management planning. In terms of surface water, these basins are broken down into smaller units known as management, operational and water body catchments.

Features are displayed on the Hydrology map on [page 109 >](#)

ID	Location	Type	Water body catchment	Water body ID	Operational catchment	Management catchment
15	On site	River	Whittle Brook (Mersey Estuary)	GB112069060990	Sankey	Mersey Lower
16	On site	River	Sutton Brook	GB112069061170	Sankey	Mersey Lower



ID	Location	Type	Water body catchment	Water body ID	Operational catchment	Management catchment
17	On site	River	Sankey Brook (Rainford Brook to Mersey)	GB112069061200	Sankey	Mersey Lower

This data is sourced from the Environment Agency and Natural Resources Wales.

6.4 WFD Surface water bodies

Records identified	3
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Surface water bodies under the Directive may be rivers, lakes, estuary or coastal. To achieve the purpose of the Directive, environmental objectives have been set and are reported on for each water body. The progress towards delivery of the objectives is then reported on by the relevant competent authorities at the end of each six-year cycle. The river water body directly associated with the catchment listed in the previous section is detailed below, along with any lake, canal, coastal or artificial water body within 250m of the site. Click on the water body ID in the table to visit the EA Catchment Explorer to find out more about each water body listed.

Features are displayed on the Hydrology map on [page 109 >](#)

ID	Location	Type	Name	Water body ID	Overall rating	Chemical rating	Ecological rating	Year
48	449m W	River	Sutton Brook	GB112069061170 ↗	Moderate	Fail	Moderate	2019
52	478m SW	River	Whittle Brook (Mersey Estuary)	GB112069060990 ↗	Moderate	Fail	Moderate	2019
-	1169m E	River	Sankey Brook (Rainford Brook to Mersey)	GB112069061200 ↗	Poor	Fail	Poor	2019

This data is sourced from the Environment Agency and Natural Resources Wales.

6.5 WFD Groundwater bodies

Records on site	2
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Groundwater bodies are also covered by the Directive and the same regime of objectives and reporting detailed in the previous section is in place. Click on the water body ID in the table to visit the EA Catchment Explorer to find out more about each groundwater body listed.

Features are displayed on the Hydrology map on [page 109 >](#)

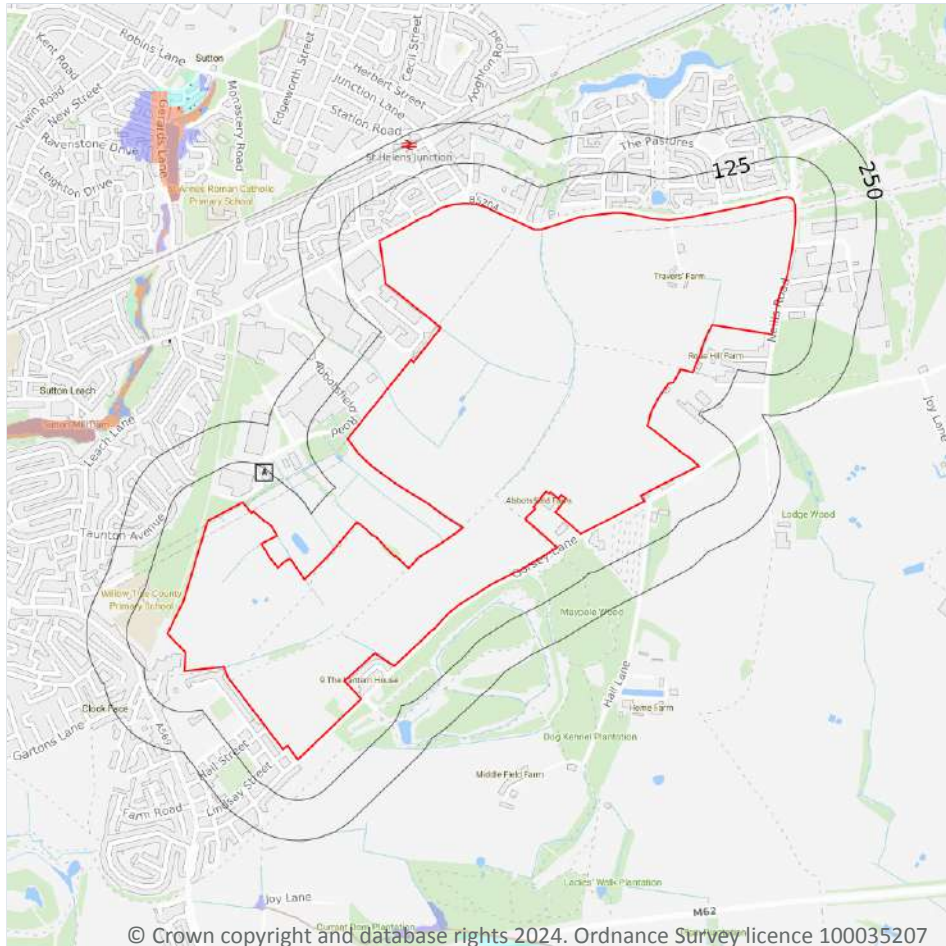


ID	Location	Name	Water body ID	Overall rating	Chemical rating	Quantitative	Year
18	On site	Lower Mersey Basin and North Merseyside Permo-Triassic Sandstone Aquifers	GB41201G101700 ↗	Poor	Poor	Poor	2019
19	On site	Sankey and Glaze Carboniferous aquifers	GB41202G100100 ↗	Poor	Poor	Good	2019

This data is sourced from the Environment Agency and Natural Resources Wales.



7 River and coastal flooding



- Site Outline
- Search buffers in metres (m)
- 125
- 250
- River and coastal flooding:
- High
- Medium
- Low
- Very Low
- Historical Flood Events
- Areas Used for Flood Storage
- Areas Benefiting from Flood Defences
- Flood Defences

7.1 Risk of flooding from rivers and the sea

Records within 50m

0

The chance of flooding from rivers and/or the sea in any given year, based on cells of 50m within the Risk of Flooding from Rivers and Sea (RoFRaS)/Flood Risk Assessment Wales (FRAW) models. Each cell is allocated one of four flood risk categories, taking into account flood defences and their condition. The risk categories for RoFRaS for rivers and the sea and FRAW for rivers are; Very low (less than 1 in 1000 chance in any given year), Low (less than 1 in 100 but greater than or equal to 1 in 1000 chance), Medium (less than 1 in 30 but greater than or equal to 1 in 100 chance) or High (greater than or equal to 1 in 30 chance). The risk categories for FRAW for the sea are; Very low (less than 1 in 1000 chance in any given year), Low (less than 1 in 200 but greater than or equal to 1 in 1000 chance), Medium (less than 1 in 30 but greater than or equal to 1 in 200 chance) or High (greater than or equal to 1 in 30 chance).

This data is sourced from the Environment Agency and Natural Resources Wales.



7.2 Historical Flood Events

Records within 250m

2

Records of historic flooding from rivers, the sea, groundwater and surface water. Records began in 1946 when predecessor bodies started collecting detailed information about flooding incidents, although limited details may be included on flooding incidents prior to this date. Takes into account the presence of defences, structures, and other infrastructure where they existed at the time of flooding, and includes flood extents that may have been affected by overtopping, breaches or blockages.

Features are displayed on the River and coastal flooding map on [page 123](#) >

ID	Location	Event name	Date of flood	Flood source	Flood cause	Type of flood
A	112m W	Ea01316_03_August_2004_Suttonmill 1_Sthelens	2004-08-03 2004-08-04	Main river	Unknown	Fluvial
A	112m W	Ea01316_10 August 2004_Sutton Mill (1)	2004-08-10 2004-08-11	Unknown	Local drainage/surface water	No data

This data is sourced from the Environment Agency and Natural Resources Wales.

7.3 Flood Defences

Records within 250m

0

Records of flood defences owned, managed or inspected by the Environment Agency and Natural Resources Wales. Flood defences can be structures, buildings or parts of buildings. Typically these are earth banks, stone and concrete walls, or sheet-piling that is used to prevent or control the extent of flooding.

This data is sourced from the Environment Agency and Natural Resources Wales.

7.4 Areas Benefiting from Flood Defences

Records within 250m

0

Areas that would benefit from the presence of flood defences in a 1 in 100 (1%) chance of flooding each year from rivers or 1 in 200 (0.5%) chance of flooding each year from the sea.

This data is sourced from the Environment Agency and Natural Resources Wales.



7.5 Flood Storage Areas

Records within 250m

0

Areas that act as a balancing reservoir, storage basin or balancing pond to attenuate an incoming flood peak to a flow level that can be accepted by the downstream channel or to delay the timing of a flood peak so that its volume is discharged over a longer period.

This data is sourced from the Environment Agency and Natural Resources Wales.



River and coastal flooding - Flood Zones

7.6 Flood Zone 2

Records within 50m

0

Areas of land at risk of flooding, when the presence of flood defences are ignored. Covering land between Flood Zone 3 (see next section) and the extent of the flooding from rivers or the sea with a 1 in 1000 (0.1%) chance of flooding each year.

This data is sourced from the Environment Agency and Natural Resources Wales.

7.7 Flood Zone 3

Records within 50m

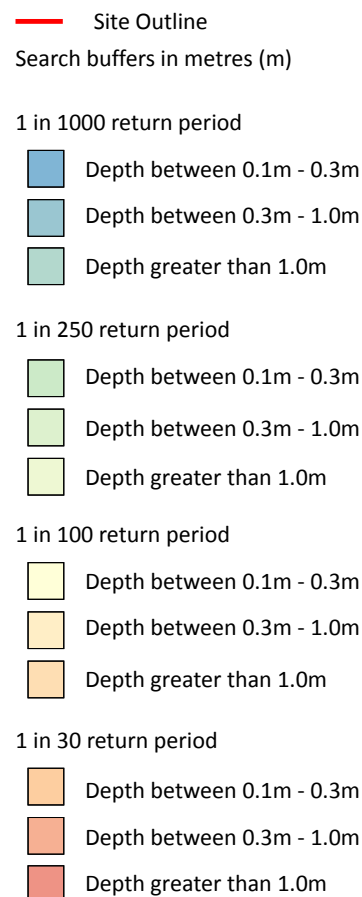
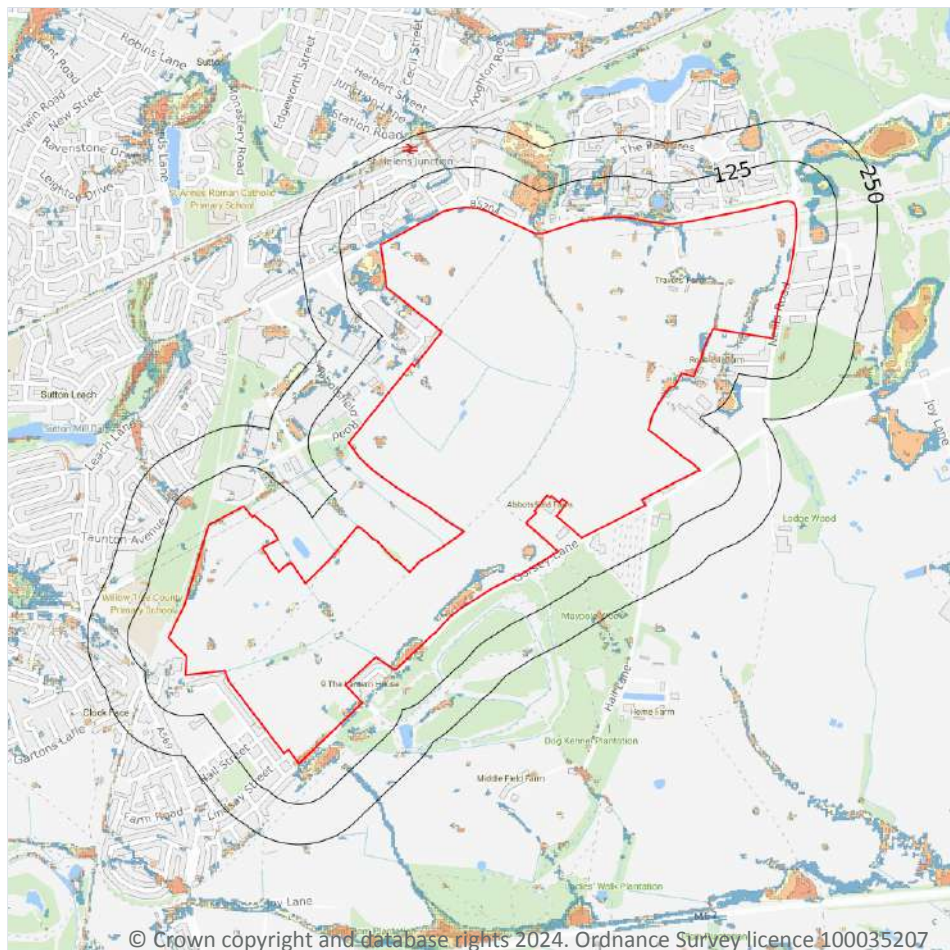
0

Areas of land at risk of flooding, when the presence of flood defences are ignored. Covering land with a 1 in 100 (1%) or greater chance of flooding each year from rivers or a 1 in 200 (0.5%) or greater chance of flooding each year from the sea.

This data is sourced from the Environment Agency and Natural Resources Wales.



8 Surface water flooding



8.1 Surface water flooding

Highest risk on site

1 in 30 year, Greater than 1.0m

Highest risk within 50m

1 in 30 year, Greater than 1.0m

Ambiental Risk Analytics surface water (pluvial) FloodMap identifies areas likely to flood as a result of extreme rainfall events, i.e. land naturally vulnerable to surface water ponding or flooding. This data set was produced by simulating 1 in 30 year, 1 in 100 year, 1 in 250 year and 1 in 1,000 year rainfall events. Modern urban drainage systems are typically built to cope with rainfall events between 1 in 20 and 1 in 30 years, though some older ones may flood in a 1 in 5 year rainfall event.

Features are displayed on the Surface water flooding map on [page 127 >](#)

The data shown on the map and in the table above shows the highest likelihood of flood events happening at the site. Lower likelihood events may have greater flood depths and hence a greater potential impact on a site.

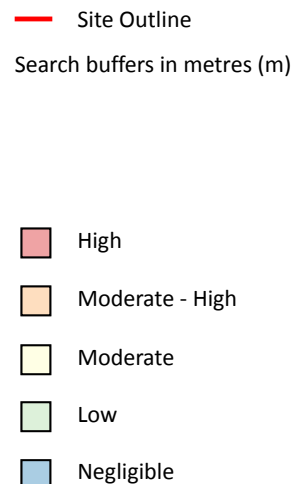
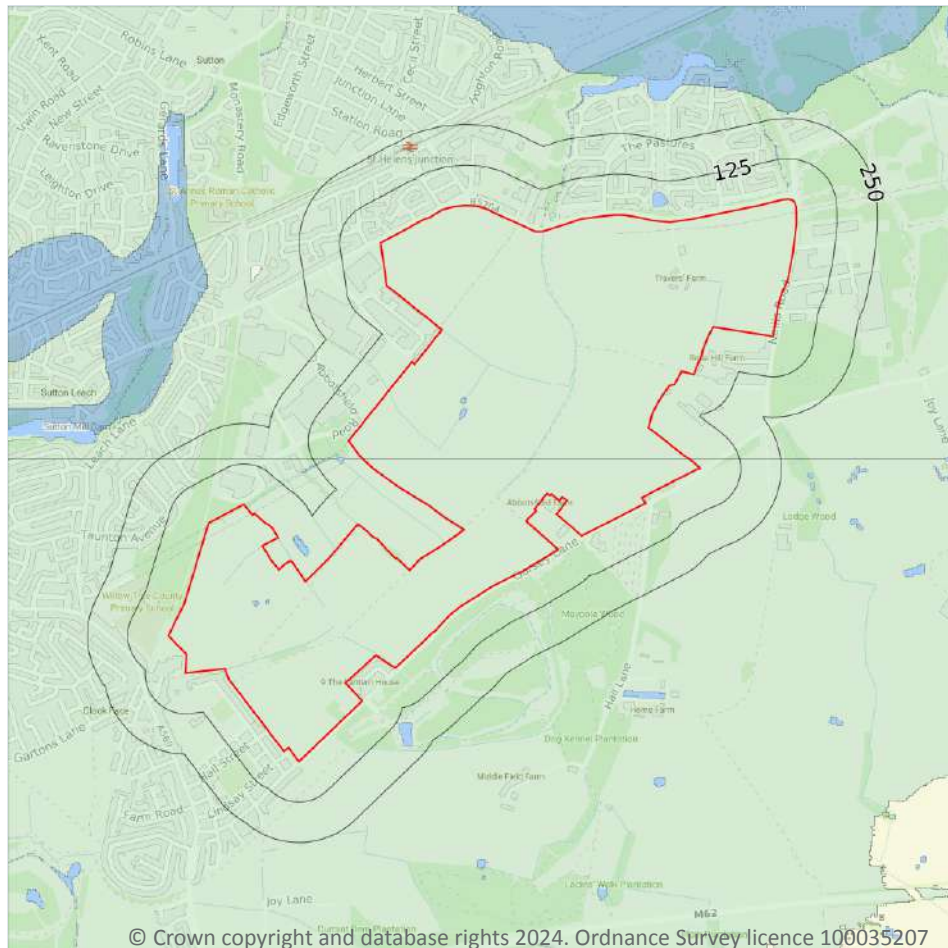
The table below shows the maximum flood depths for a range of return periods for the site.

Return period	Maximum modelled depth
1 in 1000 year	Greater than 1.0m
1 in 250 year	Greater than 1.0m
1 in 100 year	Greater than 1.0m
1 in 30 year	Greater than 1.0m

This data is sourced from Ambiantal Risk Analytics.



9 Groundwater flooding



9.1 Groundwater flooding

Highest risk on site

Low

Highest risk within 50m

Low

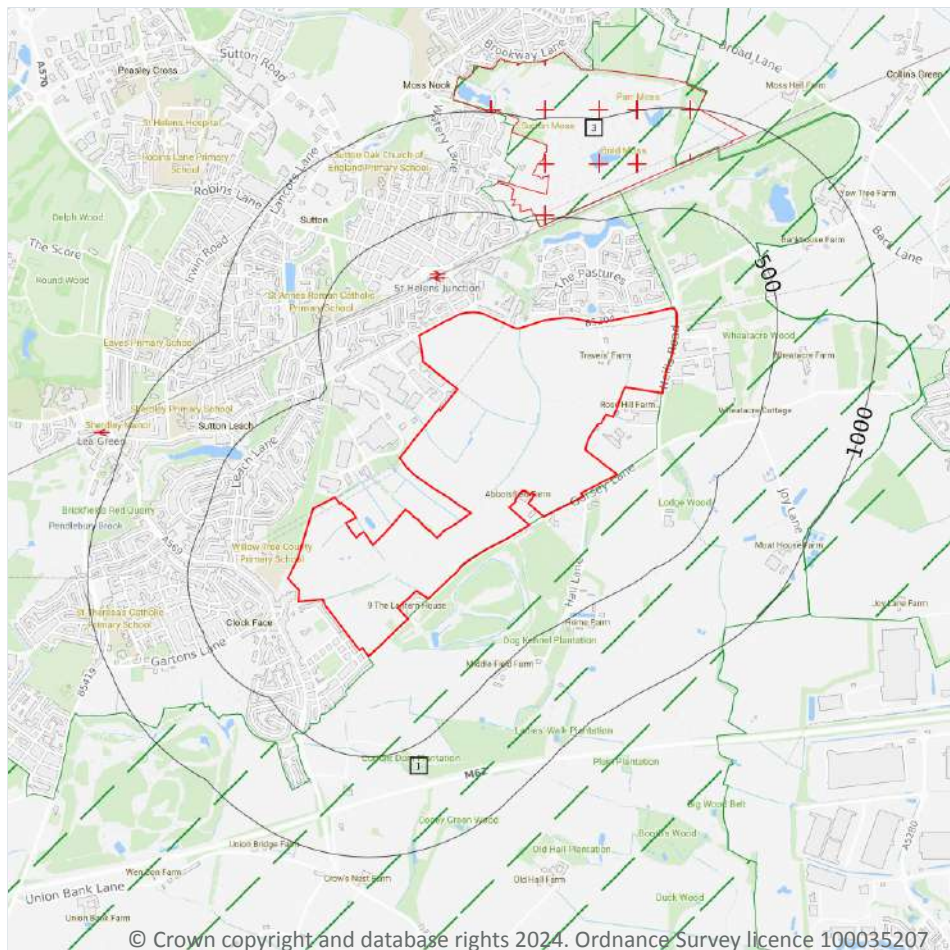
Groundwater flooding is caused by unusually high groundwater levels. It occurs when the water table rises above the ground surface or within underground structures such as basements or cellars. Groundwater flooding tends to exhibit a longer duration than surface water flooding, possibly lasting for weeks or months, and as a result it can cause significant damage to property. This risk assessment is based on a 1 in 100 year return period and a 5m Digital Terrain Model (DTM).

Features are displayed on the Groundwater flooding map on [page 129 >](#)

This data is sourced from Ambiantal Risk Analytics.



10 Environmental designations



- Site Outline
- Search buffers in metres (m)
- + Local Nature Reserves (LNR)
- ▨ Designated Ancient Woodland
- - - Green Belt

10.1 Sites of Special Scientific Interest (SSSI)

Records within 2000m

0

Sites providing statutory protection for the best examples of UK flora, fauna, or geological or physiographical features. Originally notified under the National Parks and Access to the Countryside Act 1949, SSSIs were re-notified under the Wildlife and Countryside Act 1981. Improved provisions for the protection and management of SSSIs were introduced by the Countryside and Rights of Way Act 2000 (in England and Wales) and (in Scotland) by the Nature Conservation (Scotland) Act 2004 and the Wildlife and Natural Environment (Scotland) Act 2010.

This data is sourced from Natural England, Natural Resources Wales and Scottish Natural Heritage.

10.2 Conserved wetland sites (Ramsar sites)

Records within 2000m**0**

Ramsar sites are designated under the Convention on Wetlands of International Importance, agreed in Ramsar, Iran, in 1971. They cover all aspects of wetland conservation and wise use, recognizing wetlands as ecosystems that are extremely important for biodiversity conservation in general and for the well-being of human communities. These sites cover a broad definition of wetland; marsh, fen, peatland or water, whether natural or artificial, permanent or temporary, with water that is static or flowing, fresh, brackish or salt, and even some marine areas.

This data is sourced from Natural England, Natural Resources Wales and Scottish Natural Heritage.

10.3 Special Areas of Conservation (SAC)

Records within 2000m**0**

Areas which have been identified as best representing the range and variety within the European Union of habitats and (non-bird) species listed on Annexes I and II to the Directive. SACs are designated under the EC Habitats Directive.

This data is sourced from Natural England, Natural Resources Wales and Scottish Natural Heritage.

10.4 Special Protection Areas (SPA)

Records within 2000m**0**

Sites classified by the UK Government under the EC Birds Directive, SPAs are areas of the most important habitat for rare (listed on Annex I to the Directive) and migratory birds within the European Union.

This data is sourced from Natural England, Natural Resources Wales and Scottish Natural Heritage.

10.5 National Nature Reserves (NNR)

Records within 2000m**0**

Sites containing examples of some of the most important natural and semi-natural terrestrial and coastal ecosystems in Great Britain. They are managed to conserve their habitats, provide special opportunities for scientific study or to provide public recreation compatible with natural heritage interests.

This data is sourced from Natural England, Natural Resources Wales and Scottish Natural Heritage.



10.6 Local Nature Reserves (LNR)

Records within 2000m**1**

Sites managed for nature conservation, and to provide opportunities for research and education, or simply enjoying and having contact with nature. They are declared by local authorities under the National Parks and Access to the Countryside Act 1949 after consultation with the relevant statutory nature conservation agency. Features are displayed on the Environmental designations map on [page 130 >](#)

ID	Location	Name	Data source
3	464m N	Colliers Moss Common	Natural England

This data is sourced from Natural England, Natural Resources Wales and Scottish Natural Heritage.

10.7 Designated Ancient Woodland

Records within 2000m**0**

Ancient woodlands are classified as areas which have been wooded continuously since at least 1600 AD. This includes semi-natural woodland and plantations on ancient woodland sites. 'Wooded continuously' does not mean there is or has previously been continuous tree cover across the whole site, and not all trees within the woodland have to be old.

This data is sourced from Natural England, Natural Resources Wales and Scottish Natural Heritage.

10.8 Biosphere Reserves

Records within 2000m**0**

Biosphere Reserves are internationally recognised by UNESCO as sites of excellence to balance conservation and socioeconomic development between nature and people. They are recognised under the Man and the Biosphere (MAB) Programme with the aim of promoting sustainable development founded on the work of the local community.

This data is sourced from Natural England, Natural Resources Wales and Scottish Natural Heritage.

10.9 Forest Parks

Records within 2000m**0**

These are areas managed by the Forestry Commission designated on the basis of recreational, conservation or scenic interest.

This data is sourced from the Forestry Commission.



10.10 Marine Conservation Zones

Records within 2000m**0**

A type of marine nature reserve in UK waters established under the Marine and Coastal Access Act (2009). They are designated with the aim to protect nationally important, rare or threatened habitats and species.

This data is sourced from Natural England, Natural Resources Wales and Scottish Natural Heritage.

10.11 Green Belt

Records within 2000m**3**

Areas designated to prevent urban sprawl by keeping land permanently open.

Features are displayed on the Environmental designations map on [page 130 >](#)

ID	Location	Name	Local Authority name
1	On site	Merseyside and Greater Manchester Green Belt	St. Helens
2	450m NE	Merseyside and Greater Manchester Green Belt	Warrington
4	1333m NE	Merseyside and Greater Manchester Green Belt	St. Helens

This data is sourced from the Ministry of Housing, Communities and Local Government.

10.12 Proposed Ramsar sites

Records within 2000m**0**

Ramsar sites are areas listed as a Wetland of International Importance under the Convention on Wetlands of International Importance especially as Waterfowl Habitat (the Ramsar Convention) 1971. The sites here supplied have a status of 'Proposed' having been identified for potential adoption under the framework.

This data is sourced from Natural England.

10.13 Possible Special Areas of Conservation (pSAC)

Records within 2000m**0**

Special Areas of Conservation are areas which have been identified as best representing the range and variety within the European Union of habitats and (non-bird) species listed on Annexes I and II to the Directive. SACs are designated under the EC Habitats Directive. Those sites supplied here are those with a status of 'Possible' having been identified for potential adoption under the framework.

This data is sourced from Natural England and Natural Resources Wales.



10.14 Potential Special Protection Areas (pSPA)

Records within 2000m**0**

Special Protection Areas (SPAs) are areas designated (or 'classified') under the European Union Wild Birds Directive for the protection of nationally and internationally important populations of wild birds. Those sites supplied here are those with a status of 'Potential' having been identified for potential adoption under the framework.

This data is sourced from Natural England.

10.15 Nitrate Sensitive Areas

Records within 2000m**0**

Areas where nitrate concentrations in drinking water sources exceeded or was at risk of exceeding the limit of 50 mg/l set by the 1980 EC Drinking Water Directive. Voluntary agricultural measures as a means of reducing the levels of nitrate were introduced by DEFRA as MAFF, with payments being made to farmers who complied. The scheme was started as a pilot in 1990 in ten areas, later implemented within 32 areas. The scheme was closed to further new entrants in 1998, although existing agreements continued for their full term. All Nitrate Sensitive Areas fell within the areas designated as Nitrate Vulnerable Zones (NVZs) in 1996 under the EC Nitrate Directive (91/676/EEC).

This data is sourced from Natural England.

10.16 Nitrate Vulnerable Zones

Records within 2000m**4**

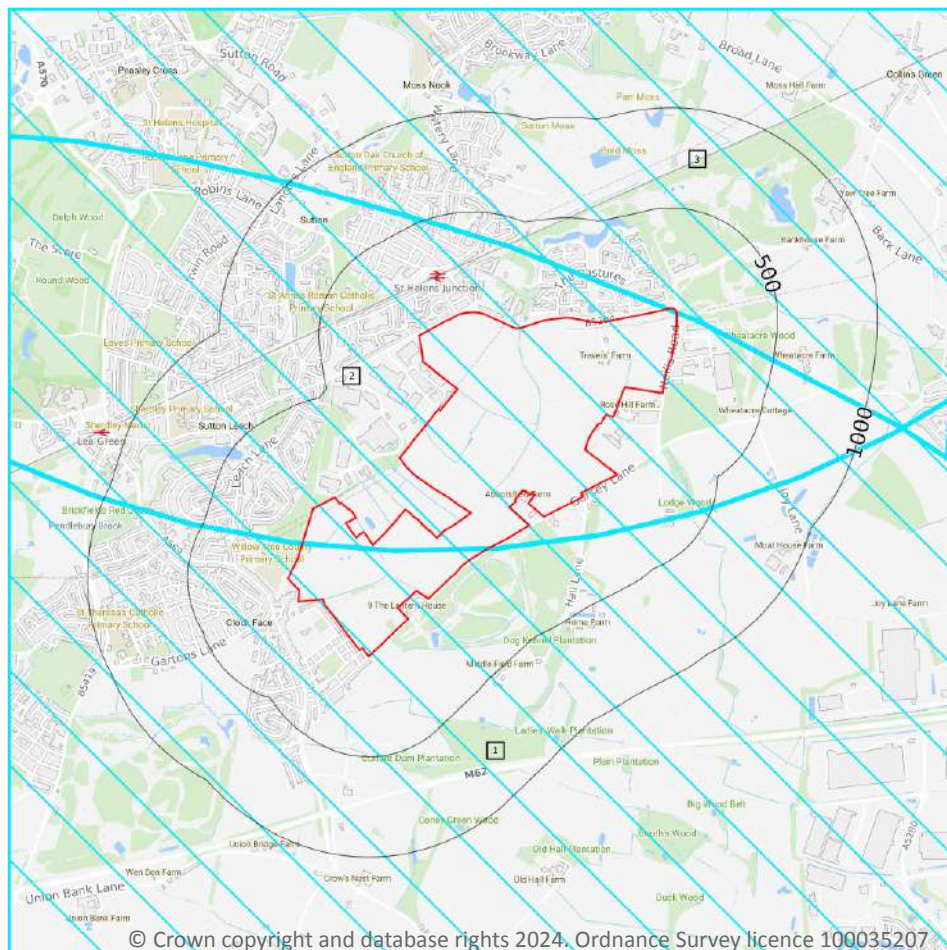
Areas at risk from agricultural nitrate pollution designated under the EC Nitrate Directive (91/676/EEC). These are areas of land that drain into waters polluted by nitrates. Farmers operating within these areas have to follow mandatory rules to tackle nitrate loss from agriculture.

Location	Name	Type	NVZ ID	Status
On site	Whittle Brook NVZ	Surface Water	637	Existing
On site	Whittle Brook NVZ	Surface Water	637	Existing
On site	Sankey Brook (Black Bk to Mersey) NVZ	Surface Water	639	Existing
On site	Sankey Brook (Black Bk to Mersey) NVZ	Surface Water	639	Existing

This data is sourced from Natural England and Natural Resources Wales.



SSSI Impact Zones and Units



- Site Outline
- Search buffers in metres (m)
- SSSI Impact Risk Zones
- SSSI Units
- Not recorded
- Favourable
- Unfavourable - Recovering
- Unfavourable - No change
- Unfavourable - Declining
- Partially destroyed
- Destroyed

10.17 SSSI Impact Risk Zones

Records on site

3

Developed to allow rapid initial assessment of the potential risks to SSSIs posed by development proposals. They define zones around each SSSI which reflect the particular sensitivities of the features for which it is notified and indicate the types of development proposal which could potentially have adverse impacts.

Features are displayed on the SSSI Impact Zones and Units map on [page 135](#) >

ID	Location	Type of developments requiring consultation
1	On site	Infrastructure - Airports, helipads and other aviation proposals. Wind and Solar - Solar schemes with footprint > 0.5ha, all wind turbines. Air pollution - Livestock & poultry units with floorspace > 500m², slurry lagoons & digestate stores > 4000m². Combustion - General combustion processes >50MW energy input. Incl: energy from waste incineration, other incineration, landfill gas generation plant, pyrolysis/gasification, anaerobic digestion, sewage treatment works, other incineration/ combustion. Waste - Landfill. Incl: inert landfill, non-hazardous landfill, hazardous landfill. Discharges - Any discharge of water or liquid waste of more than 20m³/day to ground (ie to seep away) or to surface water, such as a beck or stream.
2	On site	Infrastructure - Airports, helipads and other aviation proposals. Wind and Solar - Solar schemes with footprint > 0.5ha, all wind turbines. Air pollution - Livestock & poultry units with floorspace > 500m², slurry lagoons & digestate stores > 750m², manure stores > 3500t. Combustion - General combustion processes >50MW energy input. Incl: energy from waste incineration, other incineration, landfill gas generation plant, pyrolysis/gasification, anaerobic digestion, sewage treatment works, other incineration/ combustion. Waste - Landfill. Incl: inert landfill, non-hazardous landfill, hazardous landfill. Discharges - Any discharge of water or liquid waste of more than 20m³/day to ground (ie to seep away) or to surface water, such as a beck or stream.
3	On site	Infrastructure - Airports, helipads and other aviation proposals. Air pollution - Livestock & poultry units with floorspace > 500m², slurry lagoons & digestate stores > 750m², manure stores > 3500t.

This data is sourced from Natural England.

10.18 SSSI Units

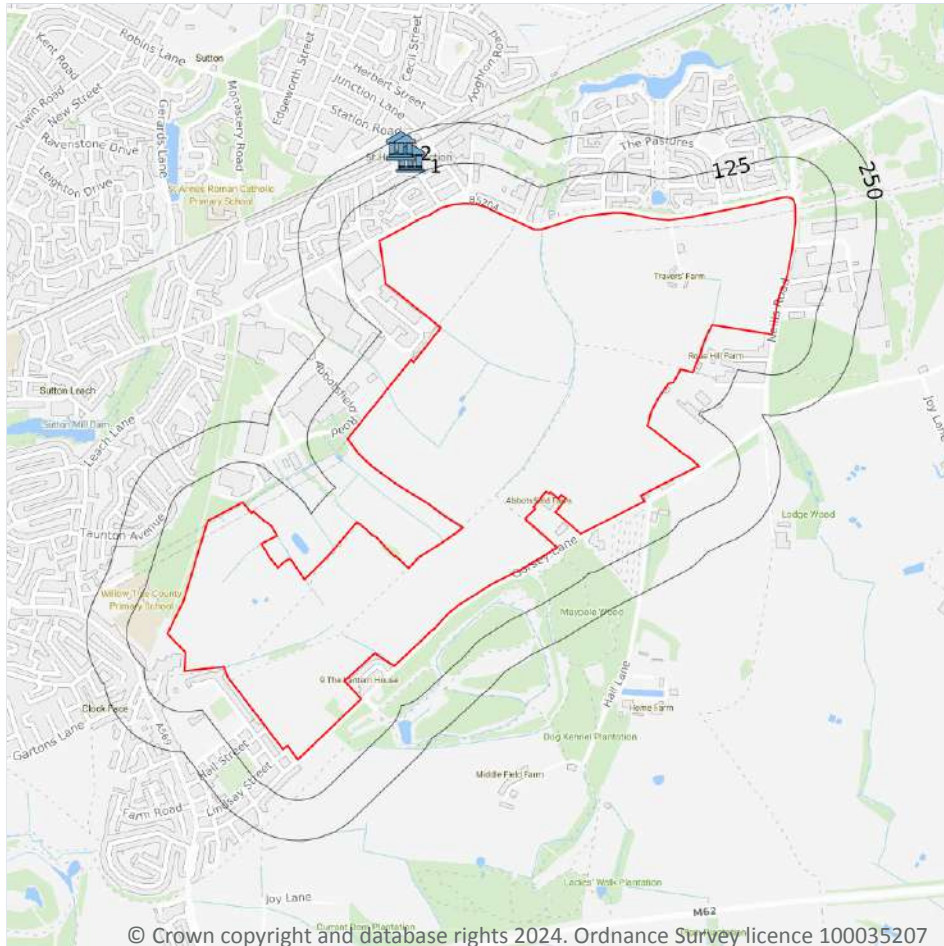
Records within 2000m	0
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Divisions of SSSIs used to record management and condition details. Units are the smallest areas for which Natural England gives a condition assessment, however, the size of units varies greatly depending on the types of management and the conservation interest.

This data is sourced from Natural England and Natural Resources Wales.



11 Visual and cultural designations



- Site Outline
- Search buffers in metres (m)
- Listed buildings
- Conservation areas
- Conservation areas - no data
- National Parks
- Areas of Outstanding Natural Beauty
- Registered parks and gardens
- Scheduled Monuments
- World Heritage Sites

11.1 World Heritage Sites

Records within 250m

0

Sites designated for their globally important cultural or natural interest requiring appropriate management and protection measures. World Heritage Sites are designated to meet the UK's commitments under the World Heritage Convention.

This data is sourced from Historic England, Cadw and Historic Environment Scotland.



11.2 Area of Outstanding Natural Beauty

Records within 250m**0**

Areas of Outstanding Natural Beauty (AONB) are conservation areas, chosen because they represent 18% of the finest countryside. Each AONB has been designated for special attention because of the quality of their flora, fauna, historical and cultural associations, and/or scenic views. The National Parks and Access to the Countryside Act of 1949 created AONBs and the Countryside and Rights of Way Act, 2000 added further regulation and protection. There are likely to be restrictions to some developments within these areas.

This data is sourced from Natural England, Natural Resources Wales and Scottish Natural Heritage.

11.3 National Parks

Records within 250m**0**

In England and Wales, the purpose of National Parks is to conserve and enhance landscapes within the countryside whilst promoting public enjoyment of them and having regard for the social and economic well-being of those living within them. In Scotland National Parks have the additional purpose of promoting the sustainable use of the natural resources of the area and the sustainable social and economic development of its communities. The National Parks and Access to the Countryside Act 1949 established the National Park designation in England and Wales, and The National Parks (Scotland) Act 2000 in Scotland.

This data is sourced from Natural England, Natural Resources Wales and the Scottish Government.

11.4 Listed Buildings

Records within 250m**2**

Buildings listed for their special architectural or historical interest. Building control in the form of 'listed building consent' is required in order to make any changes to that building which might affect its special interest. Listed buildings are graded to indicate their relative importance, however building controls apply to all buildings equally, irrespective of their grade, and apply to the interior and exterior of the building in its entirety, together with any curtilage structures.

Features are displayed on the Visual and cultural designations map on [page 137 >](#)

ID	Location	Name	Grade	Reference Number	Listed date
1	180m N	2, Lionel Street	II	1075915	23/08/1985
2	229m N	St Helens Junction Station	II	1437498	14/10/2016

This data is sourced from Historic England, Cadw and Historic Environment Scotland.



11.5 Conservation Areas

Records within 250m**0**

Local planning authorities are obliged to designate as conservation areas any parts of their own area that are of special architectural or historic interest, the character and appearance of which it is desirable to preserve or enhance. Designation of a conservation area gives broader protection than the listing of individual buildings. All the features within the area, listed or otherwise, are recognised as part of its character. Conservation area designation is the means of recognising the importance of all factors and of ensuring that planning decisions address the quality of the landscape in its broadest sense.

This data is sourced from Historic England, Cadw and Historic Environment Scotland.

11.6 Scheduled Ancient Monuments

Records within 250m**0**

A scheduled monument is an historic building or site that is included in the Schedule of Monuments kept by the Secretary of State for Digital, Culture, Media and Sport. The regime is set out in the Ancient Monuments and Archaeological Areas Act 1979. The Schedule of Monuments has c.20,000 entries and includes sites such as Roman remains, burial mounds, castles, bridges, earthworks, the remains of deserted villages and industrial sites. Monuments are not graded, but all are, by definition, considered to be of national importance.

This data is sourced from Historic England, Cadw and Historic Environment Scotland.

11.7 Registered Parks and Gardens

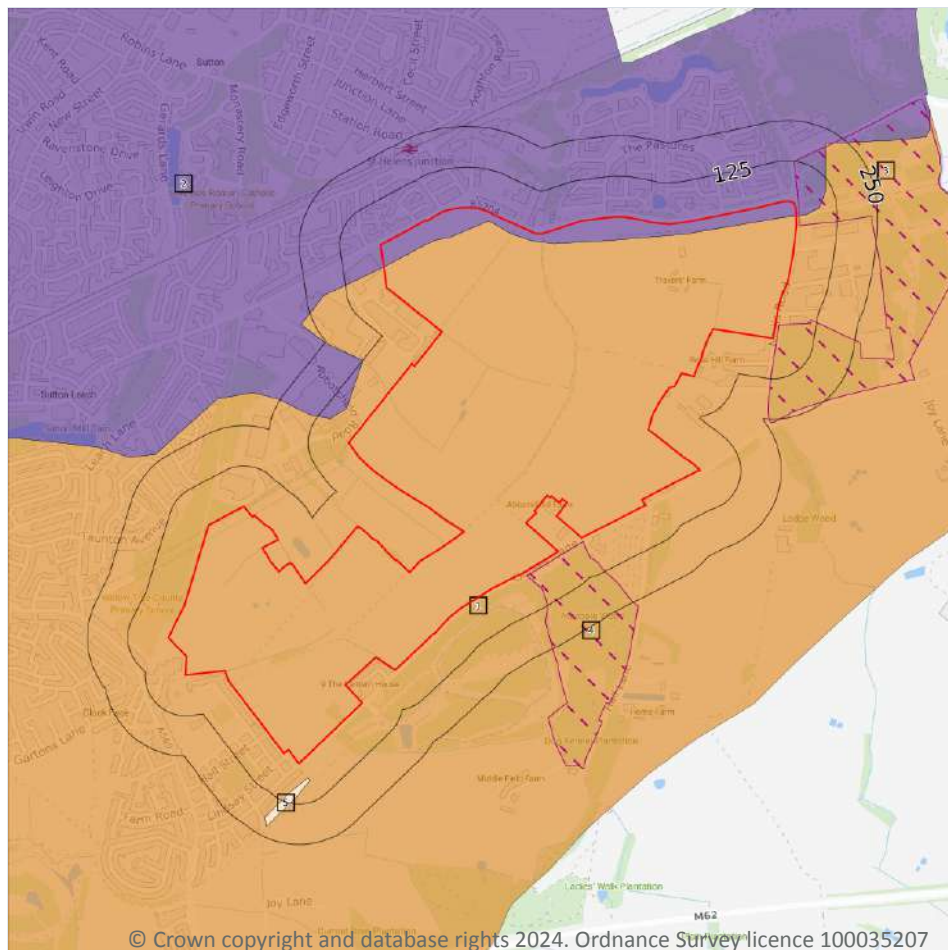
Records within 250m**0**

Parks and gardens assessed to be of particular interest and of special historic interest. The emphasis being on 'designed' landscapes, rather than on planting or botanical importance. Registration is a 'material consideration' in the planning process, meaning that planning authorities must consider the impact of any proposed development on the special character of the landscape.

This data is sourced from Historic England, Cadw and Historic Environment Scotland.



12 Agricultural designations



- Site Outline
- Search buffers in metres (m)
- Grade 1 - excellent quality
- Grade 2 - very good quality
- Grade 3 - good to moderate quality
- Grade 3a - good quality
- Grade 3b - moderate quality
- Grade 4 - poor quality
- Grade 5 - very poor quality
- Non-agricultural land
- Urban land
- Exclusion land
- Tree felling licences
- Open Access land

12.1 Agricultural Land Classification

Records within 250m

3

Classification of the quality of agricultural land taking into consideration multiple factors including climate, physical geography and soil properties. It should be noted that the categories for the grading of agricultural land are not consistent across England, Wales and Scotland.

Features are displayed on the Agricultural designations map on [page 140](#) >

ID	Location	Classification	Description
1	On site	Grade 3	Good to moderate quality agricultural land. Land with moderate limitations which affect the choice of crops, timing and type of cultivation, harvesting or the level of yield. Where more demanding crops are grown yields are generally lower or more variable than on land in Grades 1 and 2.
2	On site	Urban	Non-agricultural/no quality assigned



ID	Location	Classification	Description
5	52m SW	Grade 3b	Moderate quality agricultural land. Land capable of producing moderate yields of a narrow range of crops, principally cereals and grass or lower yields of a wider range of crops or high yields of grass which can be grazed or harvested over most of the year.

This data is sourced from Natural England.

12.2 Open Access Land

Records within 250m	2
----------------------------	----------

The Countryside and Rights of Way Act 2000 (CROW Act) gives a public right of access to land without having to use paths. Access land includes mountains, moors, heaths and downs that are privately owned. It also includes common land registered with the local council and some land around the England Coast Path. Generally permitted activities on access land are walking, running, watching wildlife and climbing.

Features are displayed on the Agricultural designations map on [page 140](#) >

ID	Location	Name	Classification	Other relevant legislation
3	8m NE	NWE/33491	Section 16 Dedicated Land	-
4	12m SE	NWE/35700	Section 16 Dedicated Land	-

This data is sourced from Natural England and Natural Resources Wales.

12.3 Tree Felling Licences

Records within 250m	0
----------------------------	----------

Felling Licence Application (FLA) areas approved by Forestry Commission England. Anyone wishing to fell trees must ensure that a licence or permission under a grant scheme has been issued by the Forestry Commission before any felling is carried out or that one of the exceptions apply.

This data is sourced from the Forestry Commission.

12.4 Environmental Stewardship Schemes

Records within 250m	0
----------------------------	----------

Environmental Stewardship covers a range of schemes that provide financial incentives to farmers, foresters and land managers to look after and improve the environment. The schemes identified may be historical schemes that have now expired, or may still be active.

This data is sourced from Natural England.



12.5 Countryside Stewardship Schemes

Records within 250m

2

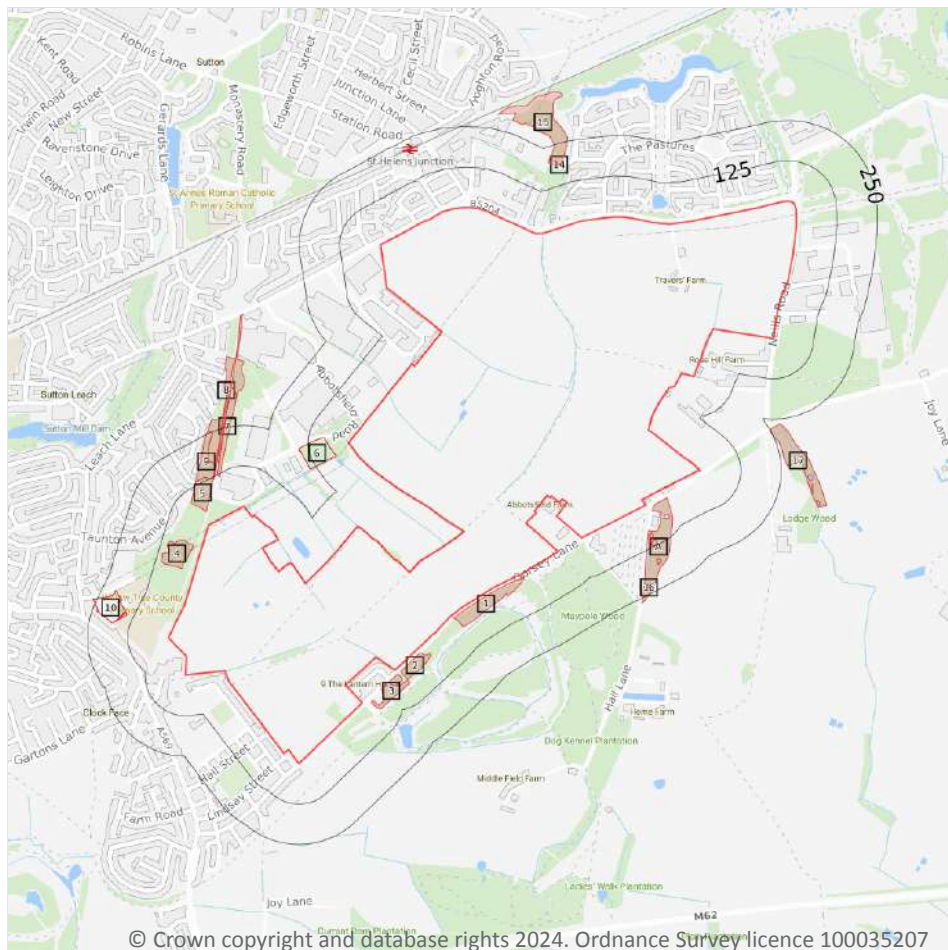
Countryside Stewardship covers a range of schemes that provide financial incentives to farmers, foresters and land managers to look after and improve the environment. Main objectives are to improve the farmed environment for wildlife and to reduce diffuse water pollution.

Location	Reference	Scheme	Start Date	End Date
On site	1051476	Countryside Stewardship (Middle Tier)	01/01/2021	31/12/2025
95m SW	1236941	Countryside Stewardship (Middle Tier)	01/01/2022	31/12/2026

This data is sourced from Natural England.



13 Habitat designations



- Site Outline
- Search buffers in metres (m)
- Priority Habitat Inventory
- Open Mosaic Habitat
- Limestone Pavement Orders
- Habitat Networks
- Primary Habitat
- Restorable Habitat
- Associated Habitats
- Habitat Restoration-Creation
- Network Enhancement Zone 1
- Network Enhancement Zone 2

13.1 Priority Habitat Inventory

Records within 250m

17

Habitats of principal importance as named under Natural Environment and Rural Communities Act (2006) Section 41.

Features are displayed on the Habitat designations map on [page 143](#) >

ID	Location	Main Habitat	Other habitats
1	9m S	Deciduous woodland	Main habitat: DWOOD (INV > 50%)
2	14m S	Deciduous woodland	Main habitat: DWOOD (INV > 50%)
3	15m S	Deciduous woodland	Main habitat: DWOOD (INV > 50%)
A	25m SE	Deciduous woodland	Main habitat: DWOOD (INV > 50%)



ID	Location	Main Habitat	Other habitats
4	27m W	Deciduous woodland	Main habitat: DWOOD (INV > 50%)
5	40m W	Deciduous woodland	Main habitat: DWOOD (INV > 50%); GQSIG (INV > 50%)
A	85m SE	Deciduous woodland	Main habitat: DWOOD (INV > 50%)
7	115m W	Deciduous woodland	Main habitat: DWOOD (INV > 50%)
8	118m W	Deciduous woodland	Main habitat: DWOOD (INV > 50%)
9	119m W	Good quality semi-improved grassland	Main habitat: GQSIG (INV > 50%)
11	153m W	Deciduous woodland	Main habitat: DWOOD (INV > 50%)
12	159m W	Deciduous woodland	Main habitat: DWOOD (INV > 50%); GQSIG (INV > 50%)
13	163m SE	Deciduous woodland	Main habitat: DWOOD (INV > 50%)
14	185m N	Deciduous woodland	Main habitat: DWOOD (INV > 50%)
15	189m N	Deciduous woodland	Main habitat: DWOOD (INV > 50%)
16	222m SE	Deciduous woodland	Main habitat: DWOOD (INV > 50%)
17	249m E	Deciduous woodland	Main habitat: DWOOD (INV > 50%)

This data is sourced from Natural England.

13.2 Habitat Networks

Records within 250m

0

Habitat networks for 18 priority habitat networks (based primarily, but not exclusively, on the priority habitat inventory) and areas suitable for the expansion of networks through restoration and habitat creation.

This data is sourced from Natural England.

13.3 Open Mosaic Habitat

Records within 250m

2

Sites verified as Open Mosaic Habitat. Mosaic habitats are brownfield sites that are identified under the UK Biodiversity Action Plan as a priority habitat due to the habitat variation within a single site, supporting an array of invertebrates.

Features are displayed on the Habitat designations map on [page 143](#) >



ID	Location	Site reference	Identification confidence	Primary source	Secondary source	Tertiary source
6	55m W	NLUD Ref: 431500078	Low	National Land Use Database - Previously Developed Land	UK Perspectives Aerial Photography	-
10	146m SW	NLUD Ref: 431500315	Low	National Land Use Database - Previously Developed Land	UK Perspectives Aerial Photography	-

This data is sourced from Natural England.

13.4 Limestone Pavement Orders

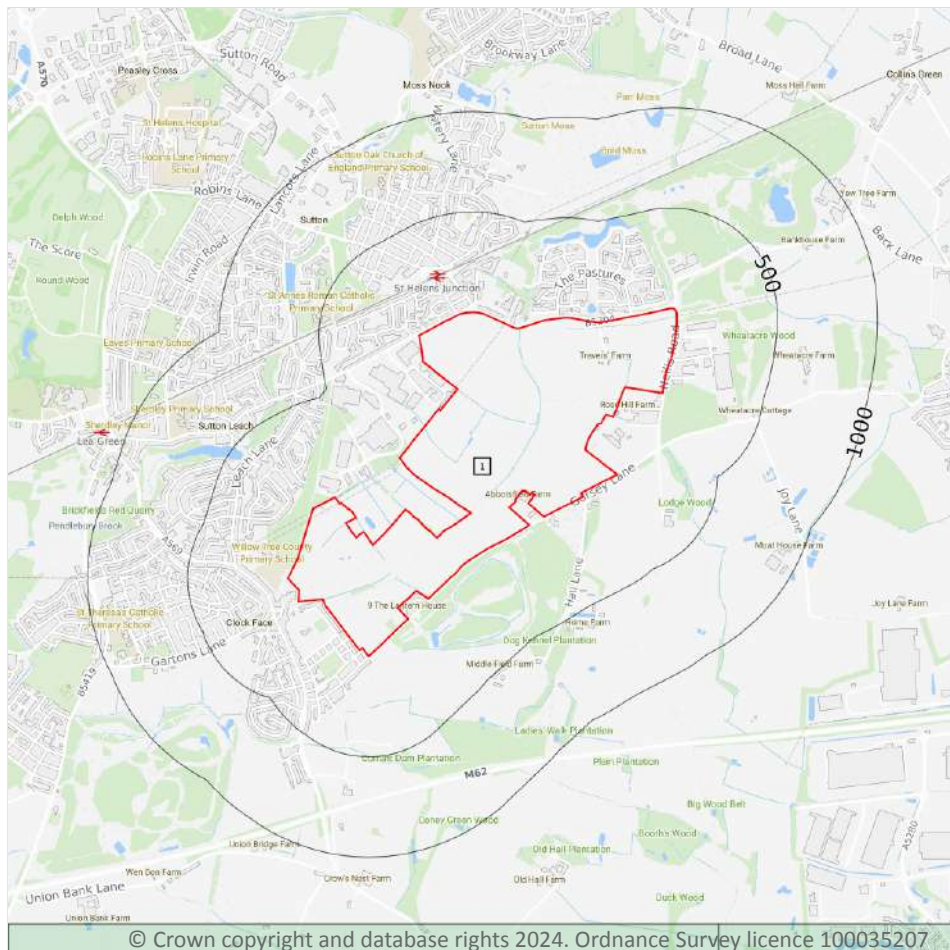
Records within 250m	0
----------------------------	----------

Limestone pavements are outcrops of limestone where the surface has been worn away by natural means over millennia. These rocks have the appearance of paving blocks, hence their name. Not only do they have geological interest, they also provide valuable habitats for wildlife. These habitats are threatened due to their removal for use in gardens and water features. Many limestone pavements have been designated as SSSIs which affords them some protection. In addition, Section 34 of the Wildlife and Countryside Act 1981 gave them additional protection via the creation of Limestone Pavement Orders, which made it a criminal offence to remove any part of the outcrop. The associated Limestone Pavement Priority Habitat is part of the UK Biodiversity Action Plan priority habitat in England.

This data is sourced from Natural England.



14 Geology 1:10,000 scale - Availability



— Site Outline
Search buffers in metres (m)

- Full coverage
- Partial coverage
- No coverage

14.1 10k Availability

Records within 500m

1

An indication on the coverage of 1:10,000 scale geology data for the site, the most detailed dataset provided by the British Geological Survey. Either 'Full', 'Partial' or 'No coverage' for each geological theme.

Features are displayed on the Geology 1:10,000 scale - Availability map on [page 146](#) >

ID	Location	Artificial	Superficial	Bedrock	Mass movement	Sheet No.
1	On site	No coverage	No coverage	No coverage	No coverage	NoCov

This data is sourced from the British Geological Survey.



Geology 1:10,000 scale - Artificial and made ground

14.2 Artificial and made ground (10k)

Records within 500m

0

Details of made, worked, infilled, disturbed and landscaped ground at 1:10,000 scale. Artificial ground can be associated with potentially contaminated material, unpredictable engineering conditions and instability.

This data is sourced from the British Geological Survey.



Geology 1:10,000 scale - Superficial

14.3 Superficial geology (10k)

Records within 500m

0

Superficial geological deposits at 1:10,000 scale. Also known as 'drift', these are the youngest geological deposits, formed during the Quaternary. They rest on older deposits or rocks referred to as bedrock.

This data is sourced from the British Geological Survey.

14.4 Landslip (10k)

Records within 500m

0

Mass movement deposits on BGS geological maps at 1:10,000 scale. Primarily superficial deposits that have moved down slope under gravity to form landslips. These affect bedrock, other superficial deposits and artificial ground.

This data is sourced from the British Geological Survey.



Geology 1:10,000 scale - Bedrock

14.5 Bedrock geology (10k)

Records within 500m

0

Bedrock geology at 1:10,000 scale. The main mass of rocks forming the Earth and present everywhere, whether exposed at the surface in outcrops or concealed beneath superficial deposits or water.

This data is sourced from the British Geological Survey.

14.6 Bedrock faults and other linear features (10k)

Records within 500m

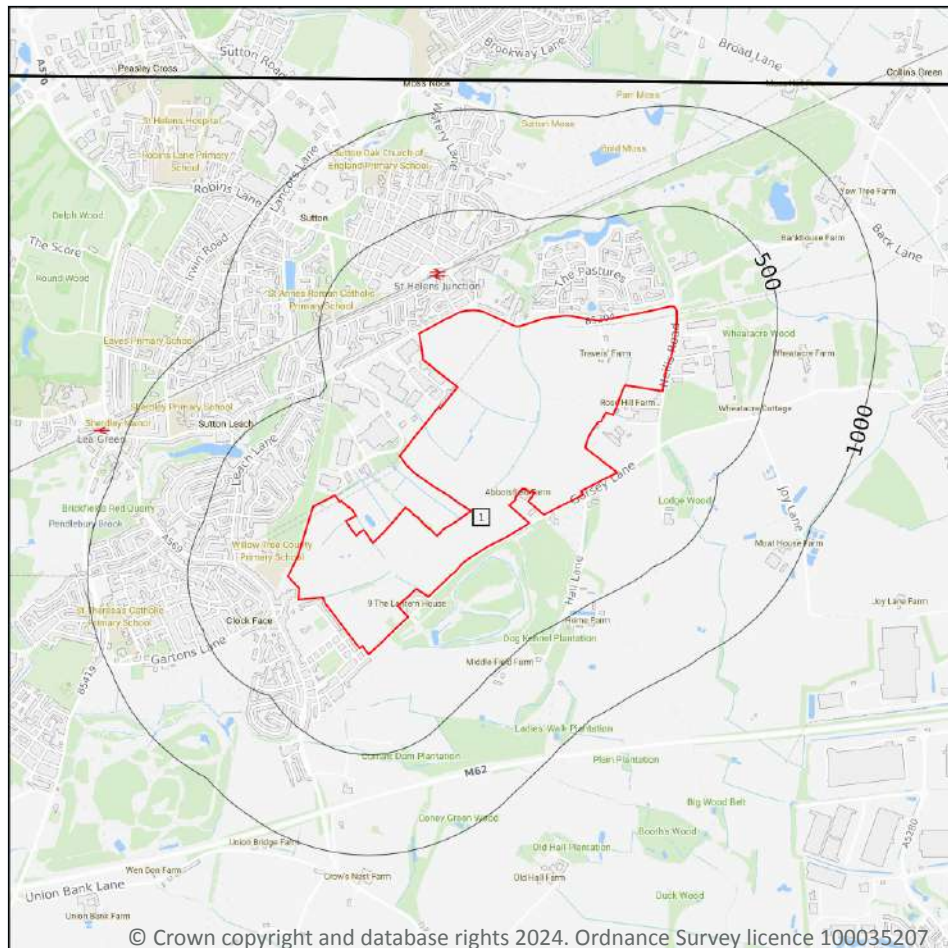
0

Linear features at the ground or bedrock surface at 1:10,000 scale of six main types; rock, fault, fold axis, mineral vein, alteration area or landform. Features are either observed or inferred, and relate primarily to bedrock.

This data is sourced from the British Geological Survey.



15 Geology 1:50,000 scale - Availability



— Site Outline
Search buffers in metres (m)

☐ Geological map tile

15.1 50k Availability

Records within 500m

1

An indication on the coverage of 1:50,000 scale geology data for the site. Either 'Full' or 'No coverage' for each geological theme.

Features are displayed on the Geology 1:50,000 scale - Availability map on [page 150](#) >

ID	Location	Artificial	Superficial	Bedrock	Mass movement	Sheet No.
1	On site	No coverage	Full	Full	No coverage	EW097_runcorn_v4

This data is sourced from the British Geological Survey.



Geology 1:50,000 scale - Artificial and made ground

15.2 Artificial and made ground (50k)

Records within 500m

0

Details of made, worked, infilled, disturbed and landscaped ground at 1:50,000 scale. Artificial ground can be associated with potentially contaminated material, unpredictable engineering conditions and instability.

This data is sourced from the British Geological Survey.

15.3 Artificial ground permeability (50k)

Records within 50m

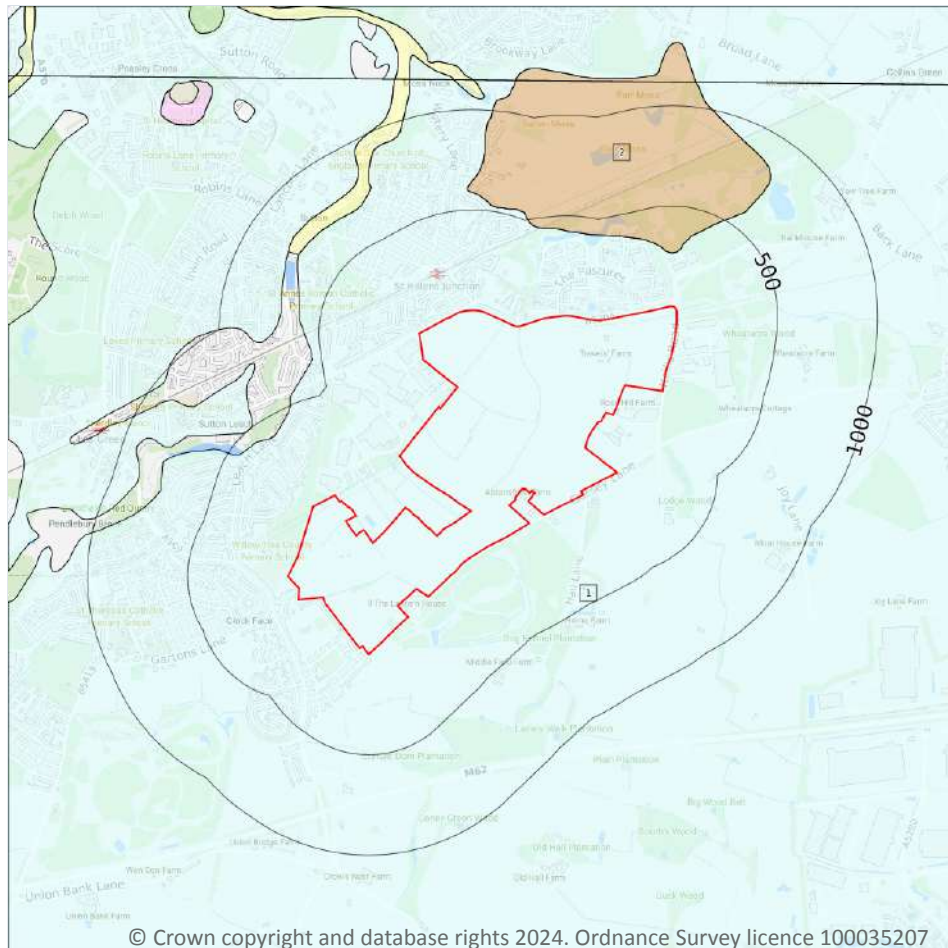
0

A qualitative classification of estimated rates of vertical movement of water from the ground surface through the unsaturated zone of any artificial deposits (the zone between the land surface and the water table).

This data is sourced from the British Geological Survey.



Geology 1:50,000 scale - Superficial



- Site Outline
- Search buffers in metres (m)
- Landslip (50k)
- Superficial geology (50k)
Please see table for more details.

15.4 Superficial geology (50k)

Records within 500m

2

Superficial geological deposits at 1:50,000 scale. Also known as 'drift', these are the youngest geological deposits, formed during the Quaternary. They rest on older deposits or rocks referred to as bedrock.

Features are displayed on the Geology 1:50,000 scale - Superficial map on [page 152](#) >

ID	Location	LEX Code	Description	Rock description
1	On site	TILLD-DMTN	TILL, DEVANSIAN	DIAMICTON
2	266m NE	PEAT-P	PEAT	PEAT

This data is sourced from the British Geological Survey.



15.5 Superficial permeability (50k)

Records within 50m**1**

A qualitative classification of estimated rates of vertical movement of water from the ground surface through the unsaturated zone of any superficial deposits (the zone between the land surface and the water table).

Location	Flow type	Maximum permeability	Minimum permeability
On site	Mixed	High	Low

This data is sourced from the British Geological Survey.

15.6 Landslip (50k)

Records within 500m**0**

Mass movement deposits on BGS geological maps at 1:50,000 scale. Primarily superficial deposits that have moved down slope under gravity to form landslips. These affect bedrock, other superficial deposits and artificial ground.

This data is sourced from the British Geological Survey.

15.7 Landslip permeability (50k)

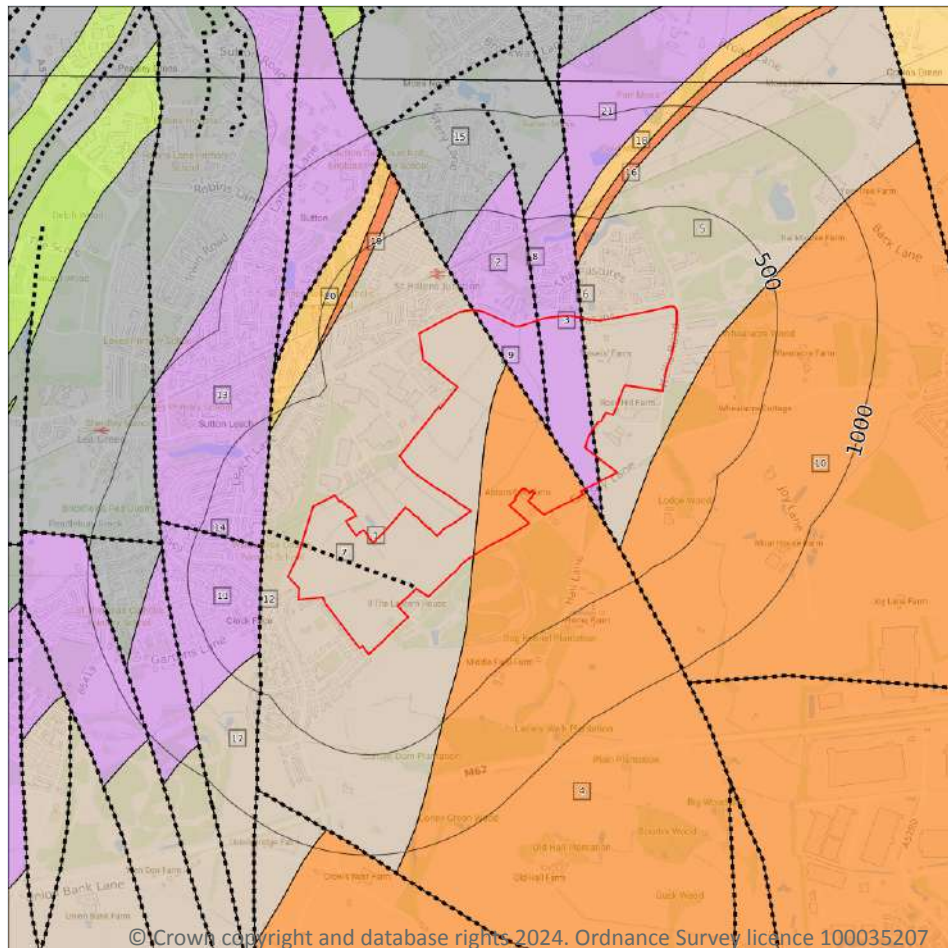
Records within 50m**0**

A qualitative classification of estimated rates of vertical movement of water from the ground surface through the unsaturated zone of any landslip deposits (the zone between the land surface and the water table).

This data is sourced from the British Geological Survey.



Geology 1:50,000 scale - Bedrock



- Site Outline
- Search buffers in metres (m)
- Bedrock faults and other linear features (50k)
- Bedrock geology (50k)
Please see table for more details.

15.8 Bedrock geology (50k)

Records within 500m

15

Bedrock geology at 1:50,000 scale. The main mass of rocks forming the Earth and present everywhere, whether exposed at the surface in outcrops or concealed beneath superficial deposits or water.

Features are displayed on the Geology 1:50,000 scale - Bedrock map on [page 154](#) >

ID	Location	LEX Code	Description	Rock age
1	On site	KNSF-SDST	KINNERTON SANDSTONE FORMATION - SANDSTONE	-
2	On site	ETM-MDSC	ETRURIA FORMATION - MUDSTONE, SANDSTONE AND CONGLOMERATE	WESTPHALIAN
3	On site	ETM-MDSC	ETRURIA FORMATION - MUDSTONE, SANDSTONE AND CONGLOMERATE	WESTPHALIAN



ID	Location	LEX Code	Description	Rock age
4	On site	CHES-PESST	CHESTER FORMATION - SANDSTONE, PEBBLY (GRAVELLY)	OLENEKIAN
5	On site	KNSF-SDST	KINNERTON SANDSTONE FORMATION - SANDSTONE	-
10	111m E	CHES-PESST	CHESTER FORMATION - SANDSTONE, PEBBLY (GRAVELLY)	OLENEKIAN
11	136m SW	ETM-MDSC	ETRURIA FORMATION - MUDSTONE, SANDSTONE AND CONGLOMERATE	WESTPHALIAN
13	181m SW	ETM-MDSC	ETRURIA FORMATION - MUDSTONE, SANDSTONE AND CONGLOMERATE	WESTPHALIAN
15	244m N	PMCM-MDSS	PENNINE MIDDLE COAL MEASURES FORMATION - MUDSTONE, SILTSTONE AND SANDSTONE	WESTPHALIAN
16	246m NE	MM-MDST	MANCHESTER MARLS FORMATION - MUDSTONE	-
17	325m SW	KNSF-SDST	KINNERTON SANDSTONE FORMATION - SANDSTONE	-
18	346m NE	CS-SDST	COLLYHURST SANDSTONE FORMATION - SANDSTONE	-
19	396m NW	MM-MDST	MANCHESTER MARLS FORMATION - MUDSTONE	-
20	432m W	CS-SDST	COLLYHURST SANDSTONE FORMATION - SANDSTONE	-
21	475m N	ETM-MDSC	ETRURIA FORMATION - MUDSTONE, SANDSTONE AND CONGLOMERATE	WESTPHALIAN

This data is sourced from the British Geological Survey.

15.9 Bedrock permeability (50k)

Records within 50m	4
---------------------------	----------

A qualitative classification of estimated rates of vertical movement of water from the ground surface through the unsaturated zone of bedrock (the zone between the land surface and the water table).

Location	Flow type	Maximum permeability	Minimum permeability
On site	Intergranular	High	High
On site	Fracture	Moderate	Low
On site	Mixed	High	Moderate
On site	Intergranular	High	High

This data is sourced from the British Geological Survey.



15.10 Bedrock faults and other linear features (50k)

Records within 500m

6

Linear features at the ground or bedrock surface at 1:50,000 scale of six main types; rock, fault, fold axis, mineral vein, alteration area or landform. Features are either observed or inferred, and relate primarily to bedrock.

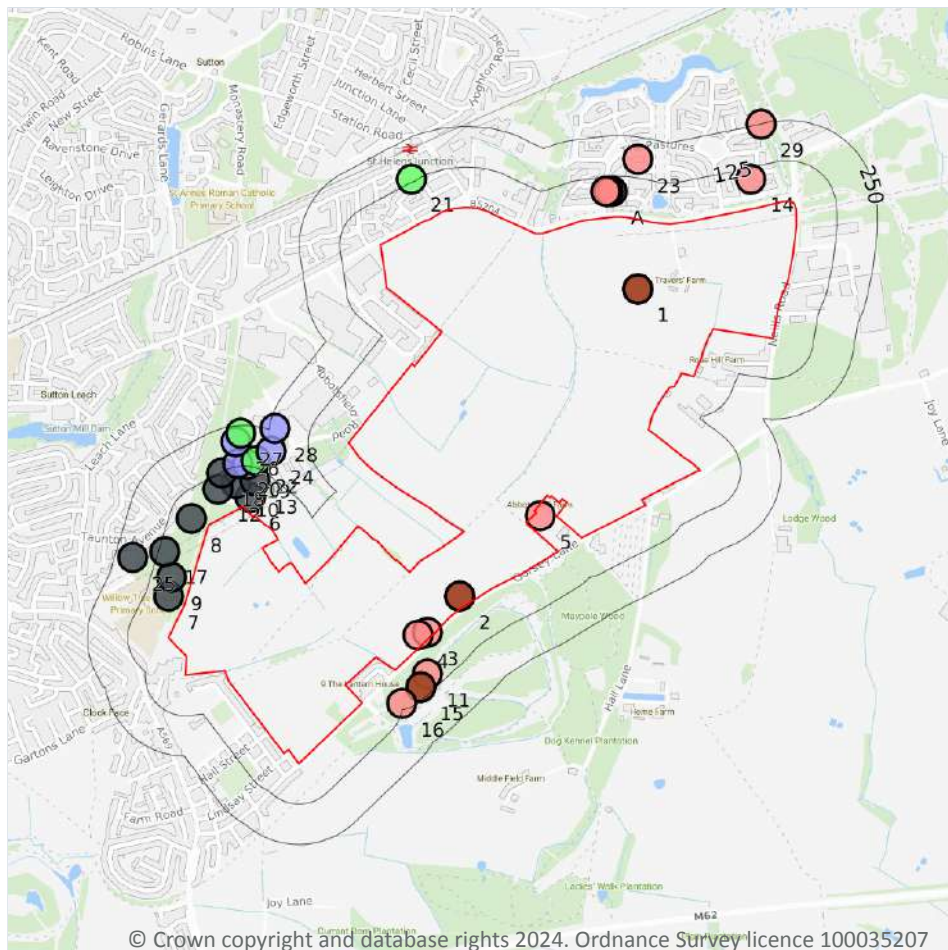
Features are displayed on the Geology 1:50,000 scale - Bedrock map on [page 154](#) >

ID	Location	Category	Description
6	On site	FAULT	Fault, observed
7	On site	FAULT	Fault, observed
8	On site	FAULT	Fault, observed
9	On site	FAULT	Fault, observed
12	136m SW	FAULT	Fault, observed
14	181m SW	FAULT	Fault, observed

This data is sourced from the British Geological Survey.



16 Boreholes



— Site Outline
Search buffers in metres (m)

- Confidential
- 0 - 10m
- 10 - 30m
- 30m+
- Unknown

16.1 BGS Boreholes

Records within 250m

32

The Single Onshore Boreholes Index (SOBI); an index of over one million records of boreholes, shafts and wells from all forms of drilling and site investigation work held by the British Geological Survey. Covering onshore and nearshore boreholes dating back to at least 1790 and ranging from one to several thousand metres deep.

Features are displayed on the Boreholes map on [page 157](#) >

ID	Location	Grid reference	Name	Length	Confidential	Web link
1	On site	354300 392800	TRAVERS FARM	-1.0	N	173291 ↗
2	On site	353750 391850	CLOCKFACE COLLIERY 'A'	-1.0	N	173257 ↗
3	On site	353650 391740	CLOCK FACE COLLIERY	655.0	N	172969 ↗



ID	Location	Grid reference	Name	Length	Confidential	Web link
4	On site	353620 391730	ABBOTS HALL 'B'	655.32	N	173288 ↗
5	16m SE	354000 392100	TRAVENE FARM	500.0	N	173074 ↗
6	34m W	353102 392157	ABBOTSFIELD INDUSTRIAL ESTATE ST HELENS 5	-	Y	N/A
7	55m SW	352850 391850	LEACH LANE SUTTON 1	-	Y	N/A
8	58m W	352920 392090	LEACH LANE SUTTON 3	-	Y	N/A
9	63m SW	352860 391910	LEACH LANE SUTTON 2	-	Y	N/A
10	74m W	353060 392199	ABBOTSFIELD INDUSTRIAL ESTATE ST HELENS 3	-	Y	N/A
11	78m S	353650 391610	CLOCK FACE COLLIERY BOLD 3 PIT	752.67	N	172965 ↗
A	78m NE	354220 393100	INVESTIGATION 5 BOLD	46.02	N	173078 ↗
A	79m NE	354210 393100	INVESTIGATION 3 BOLD	43.28	N	173077 ↗
A	80m NE	354200 393100	INVESTIGATION 1 BOLD	33.83	N	173076 ↗
12	86m W	353003 392183	ABBOTSFIELD INDUSTRIAL ESTATE ST HELENS 4	-	Y	N/A
13	87m W	353117 392209	ABBOTSFIELD INDUSTRIAL ESTATE ST HELENS 1	-	Y	N/A
14	92m NE	354650 393140	BOLD POWER STATION 14	33.53	N	173009 ↗
15	93m S	353630 391570	CLOCK FACE COLLIERY 1 SHAFT	-1.0	N	173189 ↗
16	105m S	353570 391520	CLOCK FACE COLLIERY 2 SHAFT	733.47	N	173188 ↗
17	105m W	352840 391990	LEACH LANE SUTTON 4	-	Y	N/A
18	123m W	353015 392232	ABBOTSFIELD INDUSTRIAL ESTATE ST HELENS 2	-	Y	N/A
19	129m W	353094 392257	ABBOTSFIELD ROAD IND ESTATE ST HELENS TP2	3.0	N	18595372 ↗
20	135m W	353065 392262	ABBOTSFIELD ROAD IND ESTATE ST HELENS TP1	2.5	N	18595371 ↗
21	136m N	353600 393140	NR. SUTTON STATION, SURFACE SECTION	27.43	N	173299 ↗
22	146m W	353120 392270	ABBOTSFIELD ROAD IND ESTATE ST HELENS A	17.9	N	18595368 ↗
23	182m NE	354300 393200	BOLD	45.72	N	173010 ↗
24	189m W	353167 392298	ABBOTSFIELD ROAD IND ESTATE ST HELENS TP5	3.0	N	18595374 ↗
25	195m W	352740 391970	LEACH LANE SUTTON 5	-	Y	N/A
26	200m W	353060 392327	ABBOTSFIELD ROAD IND ESTATE ST HELENS TP3	3.0	N	18595373 ↗

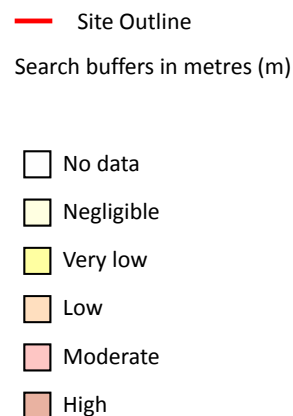
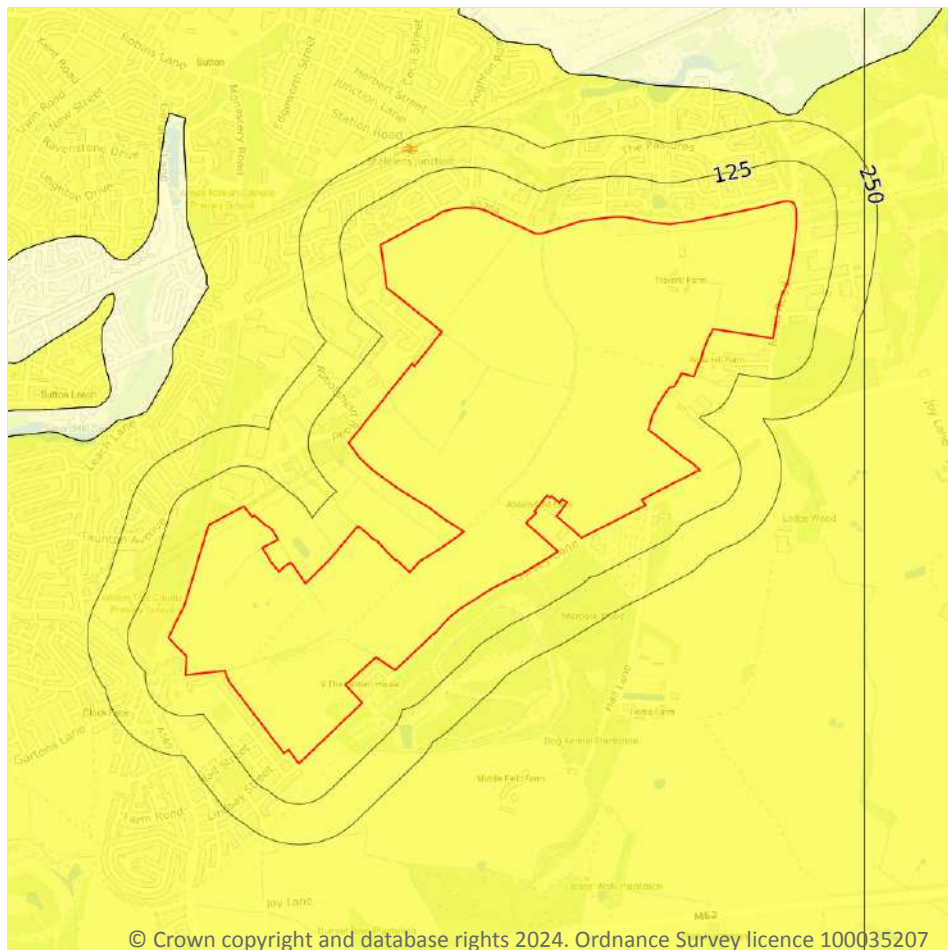


ID	Location	Grid reference	Name	Length	Confidential	Web link
27	226m W	353072 392354	ABBOTSFIELD ROAD IND ESTATE ST HELENS B	14.0	N	18595369 ↗
28	232m W	353179 392369	ABBOTSFIELD ROAD IND ESTATE ST HELENS TP8	3.0	N	18595377 ↗
29	250m NE	354680 393310	BOLD COLLIERY DRIFT 1	60.65	N	173073 ↗

This data is sourced from the British Geological Survey.



17 Natural ground subsidence - Shrink swell clays



17.1 Shrink swell clays

Records within 50m

1

The potential hazard presented by soils that absorb water when wet (making them swell), and lose water as they dry (making them shrink). This shrink-swell behaviour is controlled by the type and amount of clay in the soil, and by seasonal changes in the soil moisture content (related to rainfall and local drainage).

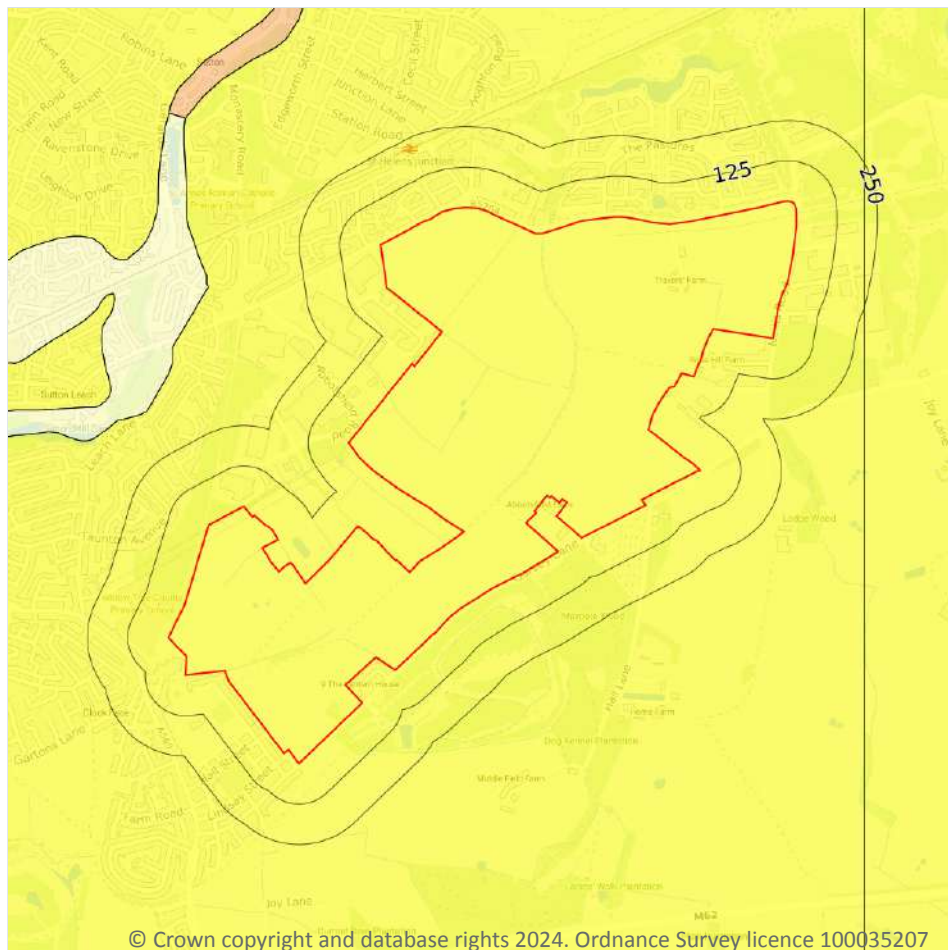
Features are displayed on the Natural ground subsidence - Shrink swell clays map on [page 160 >](#)

Location	Hazard rating	Details
On site	Very low	Ground conditions predominantly low plasticity.

This data is sourced from the British Geological Survey.



Natural ground subsidence - Running sands



- Site Outline
- Search buffers in metres (m)
- ☐ No data
 - ☐ Negligible
 - ☒ Very low
 - ☐ Low
 - ☐ Moderate
 - ☐ High

17.2 Running sands

Records within 50m

1

The potential hazard presented by rocks that can contain loosely-packed sandy layers that can become fluidised by water flowing through them. Such sands can 'run', removing support from overlying buildings and causing potential damage.

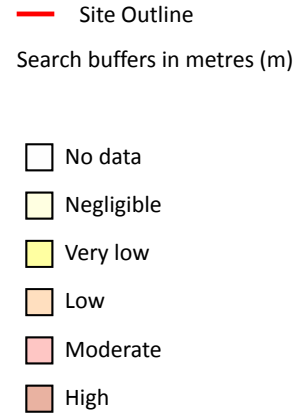
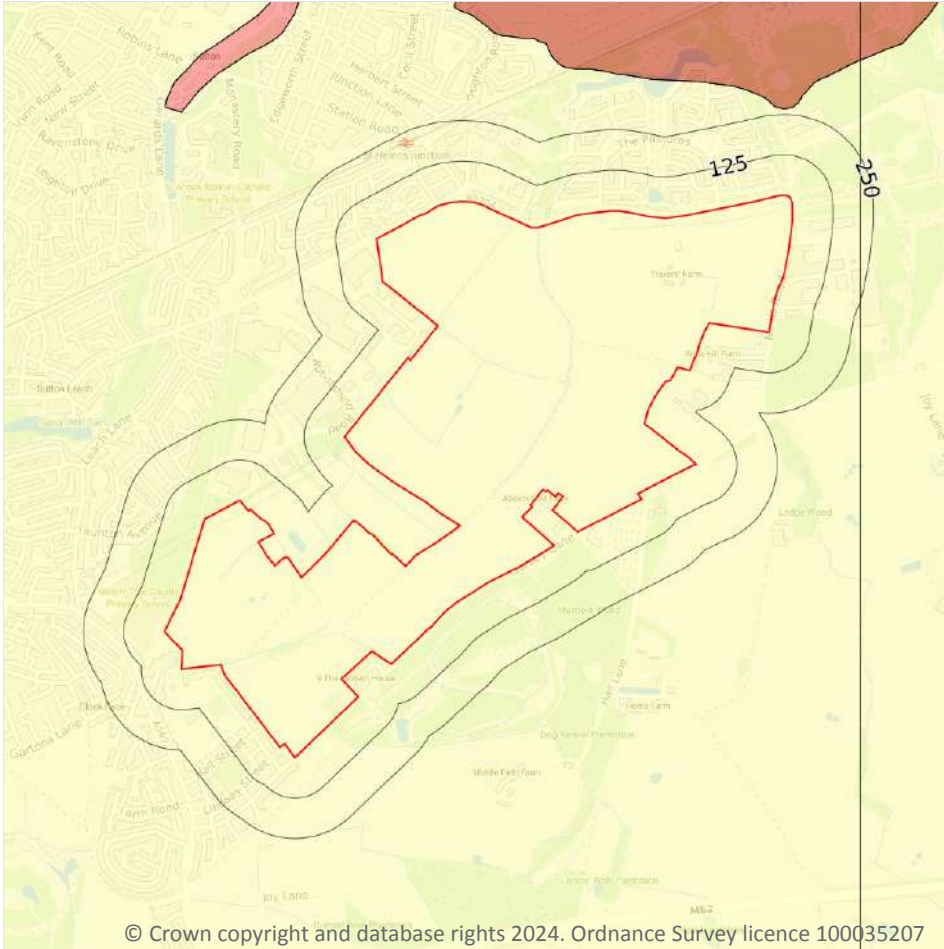
Features are displayed on the Natural ground subsidence - Running sands map on [page 161](#) >

Location	Hazard rating	Details
On site	Very low	Running sand conditions are unlikely. No identified constraints on land use due to running conditions unless water table rises rapidly.

This data is sourced from the British Geological Survey.



Natural ground subsidence - Compressible deposits



17.3 Compressible deposits

Records within 50m

1

The potential hazard presented by types of ground that may contain layers of very soft materials like clay or peat and may compress if loaded by overlying structures, or if the groundwater level changes, potentially resulting in depression of the ground and disturbance of foundations.

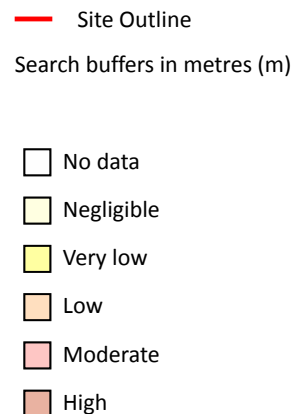
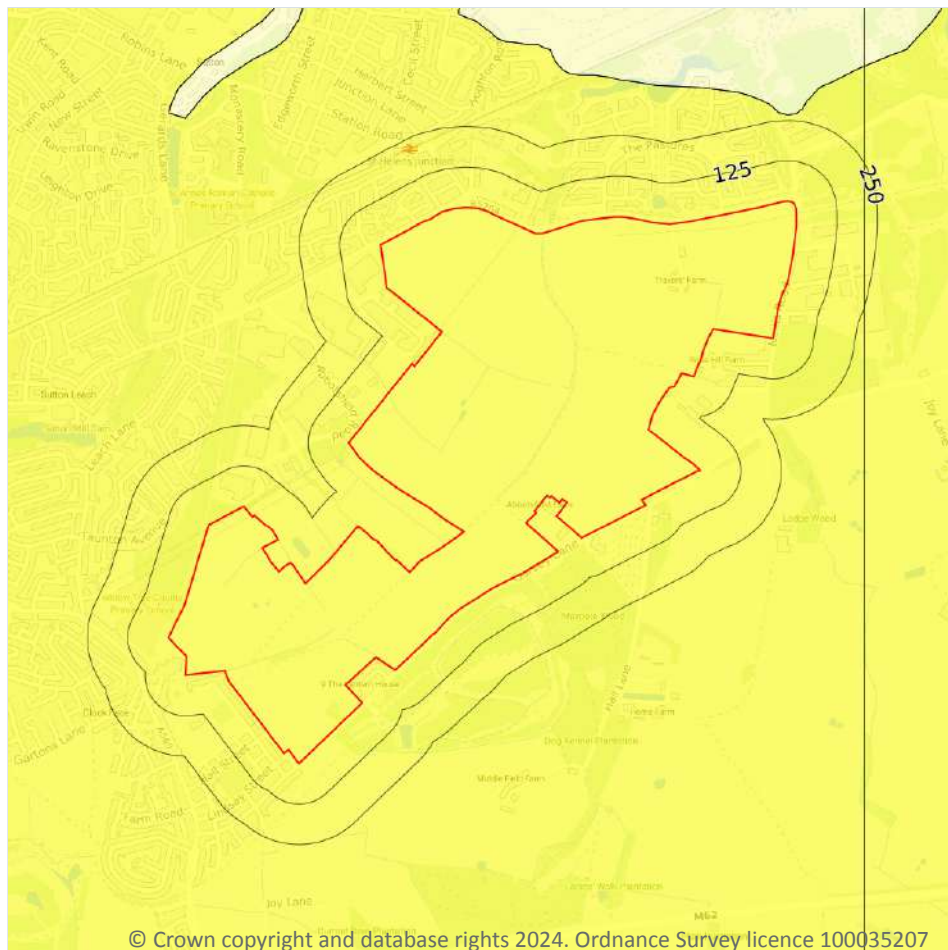
Features are displayed on the Natural ground subsidence - Compressible deposits map on [page 162 >](#)

Location	Hazard rating	Details
On site	Negligible	Compressible strata are not thought to occur.

This data is sourced from the British Geological Survey.



Natural ground subsidence - Collapsible deposits



17.4 Collapsible deposits

Records within 50m

1

The potential hazard presented by natural deposits that could collapse when a load (such as a building) is placed on them or they become saturated with water.

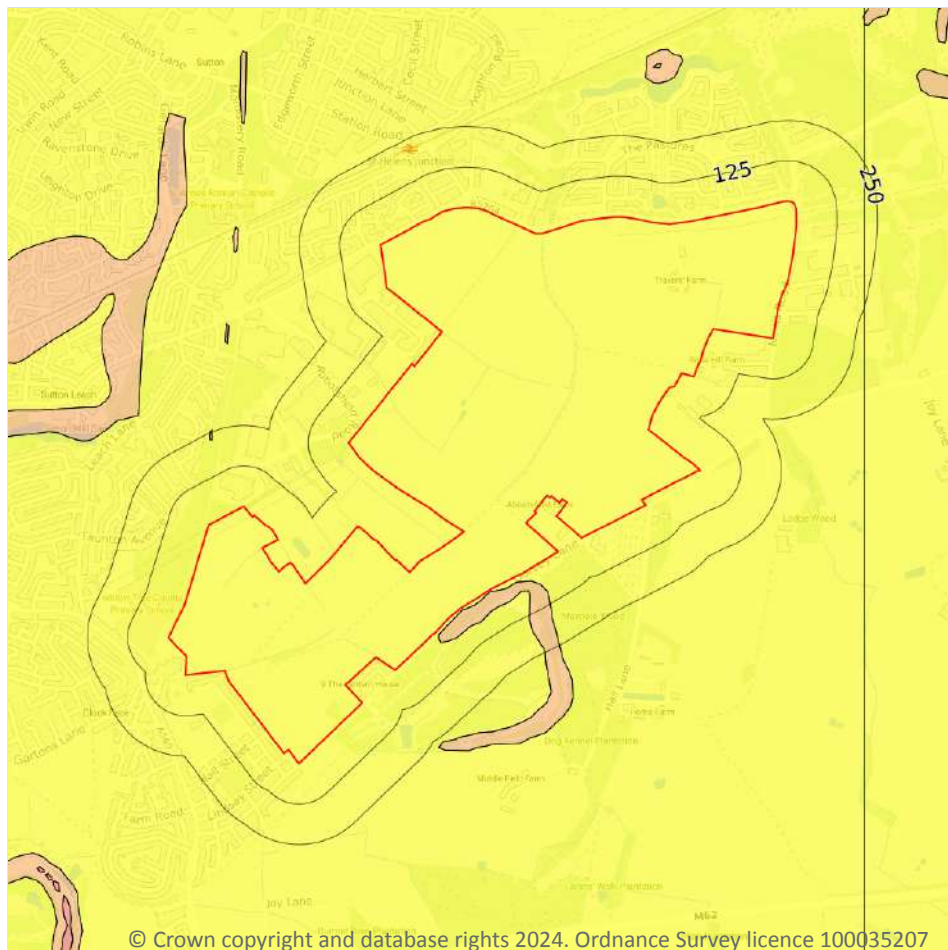
Features are displayed on the Natural ground subsidence - Collapsible deposits map on [page 163](#) >

Location	Hazard rating	Details
On site	Very low	Deposits with potential to collapse when loaded and saturated are unlikely to be present.

This data is sourced from the British Geological Survey.



Natural ground subsidence - Landslides



- Site Outline
- Search buffers in metres (m)
- ☐ No data
 - ☐ Negligible
 - ☐ Very low
 - ☐ Low
 - ☐ Moderate
 - ☐ High

17.5 Landslides

Records within 50m

2

The potential for landsliding (slope instability) to be a hazard assessed using 1:50,000 scale digital maps of superficial and bedrock deposits, combined with information from the BGS National Landslide Database and scientific and engineering reports.

Features are displayed on the Natural ground subsidence - Landslides map on [page 164](#) >

Location	Hazard rating	Details
On site	Very low	Slope instability problems are not likely to occur but consideration to potential problems of adjacent areas impacting on the site should always be considered.

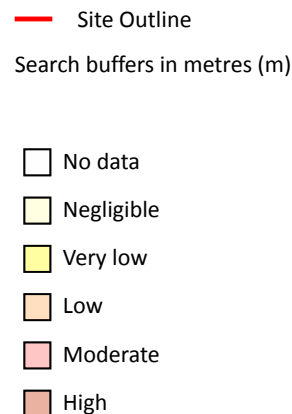
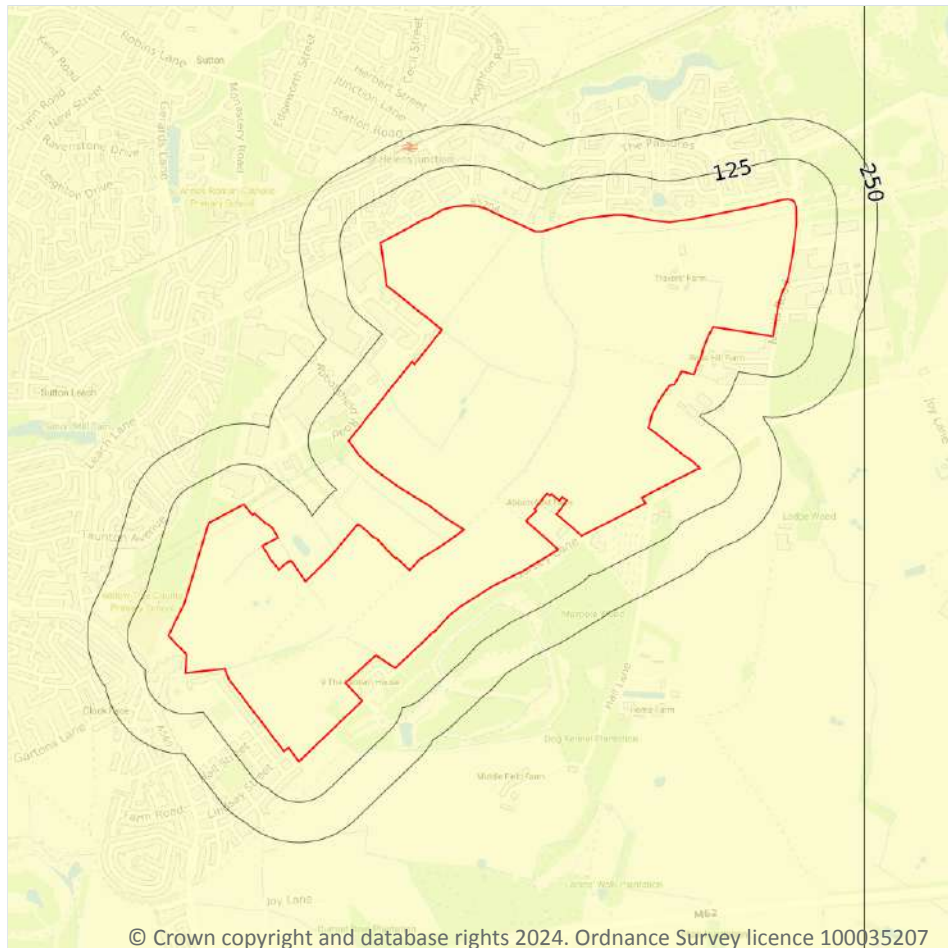


Location	Hazard rating	Details
6m S	Low	Slope instability problems may be present or anticipated. Site investigation should consider specifically the slope stability of the site.

This data is sourced from the British Geological Survey.



Natural ground subsidence - Ground dissolution of soluble rocks



17.6 Ground dissolution of soluble rocks

Records within 50m

1

The potential hazard presented by ground dissolution, which occurs when water passing through soluble rocks produces underground cavities and cave systems. These cavities reduce support to the ground above and can cause localised collapse of the overlying rocks and deposits.

Features are displayed on the Natural ground subsidence - Ground dissolution of soluble rocks map on [page 166](#) >

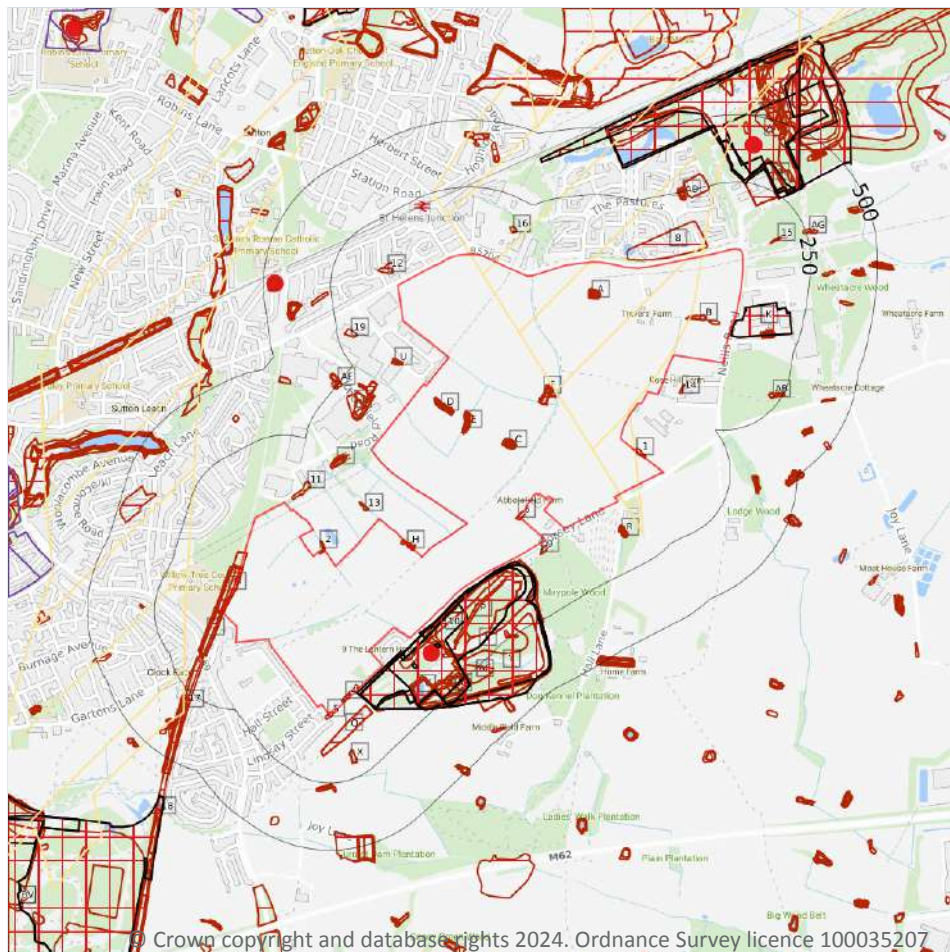
Location	Hazard rating	Details
On site	Negligible	Soluble rocks are either not thought to be present within the ground, or not prone to dissolution. Dissolution features are unlikely to be present.



This data is sourced from the British Geological Survey.



18 Mining and ground workings



- Site Outline
- Search buffers in metres (m)
- BritPits
- ▢ Surface ground workings
- ▢ Underground workings
- ▢ Underground mining extents
- ▢ Historical mineral planning areas
- ▢ TCA non-coal mining
- Non Coal Mining
 - ▢ Sporadic underground mining of restricted extent possible
 - ▢ Localised small scale underground mining possible
 - ▢ Small scale mining possible
 - ▢ Underground mining known or likely within or in close proximity
 - ▢ Underground mining known within or in very close proximity

18.1 BritPits

Records within 500m

3

BritPits (an abbreviation of British Pits) is a database maintained by the British Geological Survey of currently active and closed surface and underground mineral workings. Details of major mineral handling sites, such as wharfs and rail depots are also held in the database.

Features are displayed on the Mining and ground workings map on [page 168](#) >



ID	Location	Details	Description
O	95m S	Name: Clock Face Colliery Address: Clock Face, ST HELENS, Merseyside Commodity: Coal, Deep Status: Ceased	Type: Working is wholly underground, access by shaft, adit or drift. Working may be termed Colliery, Mine, Drift Mine, Slant, Level, Adit or Ingoing Eye (Ingaun Ee - Scots) Status description: Site which, at date of entry, has ceased to extract minerals. May be considered as Closed by operator. May be considered to have Active, Dormant or Expired planning permissions by Mineral Planning Authority
26	393m NE	Name: Bold Colliery Address: Burtonwood, ST HELENS, Merseyside Commodity: Coal, Deep Status: Ceased	Type: Working is wholly underground, access by shaft, adit or drift. Working may be termed Colliery, Mine, Drift Mine, Slant, Level, Adit or Ingoing Eye (Ingaun Ee - Scots) Status description: Site which, at date of entry, has ceased to extract minerals. May be considered as Closed by operator. May be considered to have Active, Dormant or Expired planning permissions by Mineral Planning Authority
BB	459m NW	Name: Grassendale House Sand Pit Address: Sutton Leach, ST HELENS, Merseyside Commodity: Sand Status: Ceased	Type: A surface mineral working. It may be termed Quarry, Sand Pit, Clay Pit or Opencast Coal Site Status description: Site which, at date of entry, has ceased to extract minerals. May be considered as Closed by operator. May be considered to have Active, Dormant or Expired planning permissions by Mineral Planning Authority

This data is sourced from the British Geological Survey.

18.2 Surface ground workings

Records within 250m	168
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Historical land uses identified from Ordnance Survey mapping that involved ground excavation at the surface. These features may or may not have been subsequently backfilled.

Features are displayed on the Mining and ground workings map on [page 168](#) >

ID	Location	Land Use	Year of mapping	Mapping scale
1	On site	Pond	1974	1:10000
2	On site	Ponds	1891	1:10560
3	On site	Pond	1849	1:10560
4	On site	Pond	1849	1:10560
5	On site	Pond	1849	1:10560



ID	Location	Land Use	Year of mapping	Mapping scale
6	On site	Pond	1849	1:10560
A	On site	Pond	1906	1:10560
A	On site	Pond	1892	1:10560
A	On site	Pond	1956	1:10560
A	On site	Pond	1974	1:10000
A	On site	Pond	1981	1:10000
A	On site	Pond	1965	1:10560
A	On site	Pond	1947	1:10560
A	On site	Pond	1938	1:10560
A	On site	Pond	1938	1:10560
B	On site	Pond	1906	1:10560
B	On site	Ponds	1892	1:10560
C	On site	Pond	1906	1:10560
C	On site	Pond	1892	1:10560
C	On site	Pond	1956	1:10560
C	On site	Pond	1974	1:10000
C	On site	Pond	1981	1:10000
C	On site	Pond	1965	1:10560
C	On site	Pond	1947	1:10560
C	On site	Pond	1938	1:10560
C	On site	Pond	1849	1:10560
C	On site	Pond	1938	1:10560
D	On site	Ponds	1906	1:10560
D	On site	Ponds	1892	1:10560
D	On site	Ponds	1956	1:10560
D	On site	Ponds	1974	1:10000
D	On site	Ponds	1981	1:10000
D	On site	Ponds	1965	1:10560



ID	Location	Land Use	Year of mapping	Mapping scale
D	On site	Ponds	1947	1:10560
D	On site	Ponds	1938	1:10560
E	On site	Ponds	1906	1:10560
E	On site	Ponds	1892	1:10560
E	On site	Ponds	1956	1:10560
E	On site	Ponds	1974	1:10000
E	On site	Ponds	1981	1:10000
E	On site	Ponds	1965	1:10560
E	On site	Ponds	1947	1:10560
E	On site	Ponds	1938	1:10560
F	On site	Unspecified Ground Workings	1956	1:10560
F	On site	Unspecified Ground Workings	1938	1:10560
F	On site	Unspecified Heap	1906	1:10560
F	On site	Unspecified Ground Workings	1938	1:10560
F	On site	Unspecified Heap	1947	1:10560
F	On site	Unspecified Ground Workings	1938	1:10560
G	On site	Cuttings	1938	1:10560
G	On site	Cuttings	1925	1:10560
G	On site	Cuttings	1906	1:10560
G	On site	Cuttings	1891	1:10560
H	On site	Ponds	1906	1:10560
H	On site	Ponds	1891	1:10560
I	On site	Cuttings	1947	1:10560
G	On site	Cuttings	1956	1:10560
I	4m SW	Cuttings	1849	1:10560
J	5m SW	Cuttings	1938	1:10560
J	5m SW	Cuttings	1925	1:10560
J	5m SW	Cuttings	1906	1:10560



ID	Location	Land Use	Year of mapping	Mapping scale
J	5m SW	Cuttings	1891	1:10560
K	7m NE	Iron Workings	1956	1:10560
L	7m SW	Colliery	1956	1:10560
J	9m SW	Cuttings	1956	1:10560
M	10m S	Refuse Heap	1956	1:10560
M	14m S	Unspecified Disused Tip	1981	1:10000
N	15m S	Colliery	1906	1:10560
L	17m S	Colliery	1947	1:10560
L	17m S	Colliery	1947	1:10560
O	17m S	Colliery	1938	1:10560
O	17m S	Colliery	1925	1:10560
O	17m S	Colliery	1925	1:10560
P	19m S	Refuse Heap	1938	1:10560
P	19m S	Refuse Heap	1925	1:10560
8	20m NE	Unspecified Heap	1974	1:10000
9	20m SE	Pond	1849	1:10560
M	20m S	Refuse Heap	1947	1:10560
M	20m S	Refuse Heap	1947	1:10560
10	26m S	Unspecified Ground Workings	1906	1:10560
11	32m W	Ponds	1849	1:10560
12	49m NW	Unspecified Pit	1892	1:10560
13	53m SW	Ponds	1891	1:10560
N	57m S	Unspecified Heap	1906	1:10560
P	58m S	Unspecified Ground Workings	1974	1:10000
P	58m S	Unspecified Ground Workings	1965	1:10560
Q	63m SW	Cuttings	1974	1:10000
Q	63m SW	Cuttings	1965	1:10560
14	73m E	Pond	1892	1:10560



ID	Location	Land Use	Year of mapping	Mapping scale
R	84m SE	Pond	1956	1:10560
R	84m SE	Pond	1974	1:10000
R	84m SE	Pond	1981	1:10000
R	84m SE	Pond	1965	1:10560
R	92m SE	Pond	1938	1:10560
R	92m SE	Pond	1925	1:10560
R	92m SE	Pond	1906	1:10560
R	92m SE	Pond	1891	1:10560
S	92m W	Pond	1947	1:10560
S	92m W	Pond	1956	1:10560
R	94m SE	Pond	1947	1:10560
T	102m W	Unspecified Pit	1947	1:10560
T	103m W	Unspecified Pit	1938	1:10560
T	103m W	Unspecified Pit	1938	1:10560
S	104m W	Pond	1974	1:10000
S	104m W	Pond	1965	1:10560
T	106m W	Unspecified Pit	1892	1:10560
T	106m W	Unspecified Ground Workings	1906	1:10560
S	107m W	Ponds	1849	1:10560
U	107m NW	Pond	1947	1:10560
K	111m E	Pond	1849	1:10560
U	111m NW	Pond	1849	1:10560
15	111m NE	Pond	1849	1:10560
K	111m E	Pond	1938	1:10560
T	111m W	Pond	1938	1:10560
T	112m W	Pond	1947	1:10560
K	112m E	Pond	1938	1:10560
K	113m E	Pond	1906	1:10560



ID	Location	Land Use	Year of mapping	Mapping scale
K	114m E	Pond	1892	1:10560
U	116m NW	Pond	1965	1:10560
T	116m NW	Ponds	1906	1:10560
T	120m NW	Pond	1892	1:10560
T	121m W	Pond	1956	1:10560
K	124m E	Reservoir	1956	1:10560
16	126m N	Unspecified Heap	1892	1:10560
V	127m S	Reservoir	1956	1:10560
K	130m E	Reservoir	1947	1:10560
V	135m S	Ponds	1974	1:10000
V	135m S	Ponds	1965	1:10560
V	136m S	Reservoir	1938	1:10560
V	136m S	Reservoir	1925	1:10560
V	137m S	Reservoir	1947	1:10560
17	141m SW	Cuttings	1891	1:10560
V	142m S	Reservoir	1906	1:10560
X	150m SW	Ponds	1906	1:10560
18	152m SW	Cuttings	1849	1:10560
X	153m SW	Ponds	1891	1:10560
Y	153m S	Refuse Heap	1974	1:10000
Y	153m S	Refuse Heap	1965	1:10560
Z	174m NE	Colliery	1938	1:10560
Z	176m NE	Colliery	1938	1:10560
Z	176m NE	Colliery	1938	1:10560
19	179m NW	Pond	1849	1:10560
AA	192m S	Unspecified Ground Workings	1956	1:10560
AA	201m S	Unspecified Pit	1906	1:10560
AA	201m S	Clay Pit	1938	1:10560



ID	Location	Land Use	Year of mapping	Mapping scale
AA	201m S	Clay Pit	1925	1:10560
AA	204m S	Clay Pit	1947	1:10560
AB	205m E	Ponds	1974	1:10000
AB	210m E	Ponds	1892	1:10560
AC	213m S	Refuse Heap	1947	1:10560
AC	213m S	Refuse Heap	1947	1:10560
AA	218m S	Pond	1974	1:10000
AA	218m S	Pond	1981	1:10000
AA	218m S	Pond	1965	1:10560
AD	218m NE	Ponds	1892	1:10560
M	219m S	Ponds	1891	1:10560
AD	220m NE	Ponds	1947	1:10560
M	220m S	Ponds	1906	1:10560
AE	222m NE	Unspecified Heap	1974	1:10000
AE	222m NE	Unspecified Heap	1965	1:10560
AD	222m NE	Ponds	1938	1:10560
AD	232m NE	Ponds	1956	1:10560
AF	234m W	Ponds	1906	1:10560
AG	239m NE	Pond	1849	1:10560
AH	241m NE	Colliery	1892	1:10560
Z	247m NE	Colliery	1947	1:10560
AF	248m W	Pond	1947	1:10560
AI	250m NE	Reservoir	1938	1:10560

This is data is sourced from Ordnance Survey/Groundsure.



18.3 Underground workings

Records within 1000m

19

Historical land uses identified from Ordnance Survey mapping that indicate the presence of underground workings e.g. mine shafts.

Features are displayed on the Mining and ground workings map on [page 168](#) >

ID	Location	Land Use	Year of mapping	Mapping scale
K	7m NE	Iron Workings	1956	1:10560
L	7m SW	Colliery	1956	1:10560
L	15m S	Unspecified Mine	1974	1:10000
L	15m S	Unspecified Mine	1965	1:10560
N	15m S	Colliery	1906	1:10560
O	17m S	Colliery	1938	1:10560
O	17m S	Colliery	1925	1:10560
O	17m S	Colliery	1925	1:10560
O	83m S	Unspecified Disused Shaft	1981	1:10000
N	95m S	Unspecified Disused Shaft	1981	1:10000
AH	241m NE	Colliery	1892	1:10560
Z	247m NE	Colliery	1947	1:10560
AK	258m NE	Colliery	1956	1:10560
AK	287m NE	Colliery	1906	1:10560
BV	636m SW	Colliery	1981	1:10000
CT	880m SW	Unspecified Mine	1974	1:10000
CT	880m SW	Unspecified Mine	1965	1:10560
63	977m SW	Colliery	1956	1:10560
65	982m N	Disused Colliery	1906	1:10560

This data is sourced from Ordnance Survey/Groundsure.



18.4 Underground mining extents

Records within 500m**0**

This data identifies underground mine workings that could present a potential risk, including adits and seam workings. These features have been identified from BGS Geological mapping and mine plans sourced from the BGS and various collections and sources.

This data is sourced from Groundsure.

18.5 Historical Mineral Planning Areas

Records within 500m**0**

Boundaries of mineral planning permissions for England and Wales. This data was collated between the 1940s (and retrospectively to the 1930s) and the mid 1980s. The data includes permitted, withdrawn and refused permissions.

This data is sourced from the British Geological Survey.

18.6 Non-coal mining

Records within 1000m**3**

The potential for historical non-coal mining to have affected an area. The assessment is drawn from expert knowledge and literature in addition to the digital geological map of Britain. Mineral commodities may be divided into seven general categories - vein minerals, chalk, oil shale, building stone, bedded ores, evaporites and 'other' commodities (including ball clay, jet, black marble, graphite and chert).

Features are displayed on the Mining and ground workings map on [page 168 >](#)

ID	Location	Name	Commodity	Class	Likelihood
7	On site	Not available	Vein Mineral	A	Underground mine workings are uncommon, although the geology is similar to that worked elsewhere. Potential for difficult ground conditions are unlikely and are at a level where they need not be considered.
W	136m SW	Not available	Vein Mineral	A	Underground mine workings are uncommon, although the geology is similar to that worked elsewhere. Potential for difficult ground conditions are unlikely and are at a level where they need not be considered.
44	762m NE	Not available	Vein Mineral	A	Underground mine workings are uncommon, although the geology is similar to that worked elsewhere. Potential for difficult ground conditions are unlikely and are at a level where they need not be considered.

This data is sourced from the British Geological Survey.



18.7 JPB mining areas

Records on site

1

Areas which could be affected by former coal and other mining. This data includes some mine plans unavailable to the Coal Authority.

Location	Details
On site	In addition to being located inside an area where The Coal Authority have information on coal mining activities, Johnson Poole & Bloomer (JPB) have information such as mining plans and maps held within their archive of mining activities that have occurred within 1km of this property which may supplement this information. Please note, the plans held by JPB may also relate to non-mining records. Further details and a quote for services (if appropriate) can be obtained by emailing this report to enquiries.gs@jpb.co.uk ↗.

This data is sourced from Johnson Poole and Bloomer.

18.8 The Coal Authority non-coal mining

Records within 500m

0

This data provides an indication of the potential zone of influence of recorded underground non-coal mining workings. Any and all analysis and interpretation of Coal Authority Data in this report is made by Groundsure, and is in no way supported, endorsed or authorised by the Coal Authority. The use of the data is restricted to the terms and provisions contained in this report. Data reproduced in this report may be the copyright of the Coal Authority and permission should be sought from Groundsure prior to any re-use.

This data is sourced from The Coal Authority.

18.9 Researched mining

Records within 500m

0

This data indicates areas of potential mining identified from alternative or archival sources, including; BGS Geological paper maps, Lidar data, aerial photographs (from World War II onwards), archaeological data services, websites, Tithe maps, and various text/plans from collected books and reports. Some of this data is approximate and Groundsure have interpreted the resultant risk area and, where possible, specific areas of risk have been captured.

This data is sourced from Groundsure.



18.10 Mining record office plans

Records within 500m

0

This dataset is representative of Mining Record Office and/or plan extents held by Groundsure and should be considered approximate. Where possible, plans have been located and any specific areas of risk they depict have been captured.

This data is sourced from Groundsure.

18.11 BGS mine plans

Records within 500m

0

This dataset is representative of BGS mine plans held by Groundsure and should be considered approximate. Where possible, plans have been located and any specific areas of risk they depict have been captured.

This data is sourced from Groundsure.

18.12 Coal mining

Records on site

1

Areas which could be affected by past, current or future coal mining.

Location	Details
On site	The site is located within a coal mining area as defined by the Coal Authority. A Consultants Coal Mining Report is recommended to further assess coal mining issues at the site. This can be ordered directly through Groundsure or your preferred search provider.

This data is sourced from the Coal Authority.

18.13 Brine areas

Records on site

0

The Cheshire Brine Compensation District indicates areas that may be affected by salt and brine extraction in Cheshire and where compensation would be available where damage from this mining has occurred. Damage from salt and brine mining can still occur outside this district, but no compensation will be available.

This data is sourced from the Cheshire Brine Subsidence Compensation Board.



18.14 Gypsum areas

Records on site	0
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Generalised areas that may be affected by gypsum extraction.

This data is sourced from British Gypsum.

18.15 Tin mining

Records on site	0
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Generalised areas that may be affected by historical tin mining.

This data is sourced from Groundsure.

18.16 Clay mining

Records on site	0
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Generalised areas that may be affected by kaolin and ball clay extraction.

This data is sourced from the Kaolin and Ball Clay Association (UK).

19 Ground cavities and sinkholes

19.1 Natural cavities

Records within 500m**0**

Industry recognised national database of natural cavities. Sinkholes and caves are formed by the dissolution of soluble rock, such as chalk and limestone, gulls and fissures by cambering. Ground instability can result from movement of loose material contained within these cavities, often triggered by water.

This data is sourced from Stantec UK Ltd.

19.2 Mining cavities

Records within 1000m**0**

Industry recognised national database of mining cavities. Degraded mines may result in hazardous subsidence (crown holes). Climatic conditions and water escape can also trigger subsidence over mine entrances and workings.

This data is sourced from Stantec UK Ltd.

19.3 Reported recent incidents

Records within 500m**0**

This data identifies sinkhole information gathered from media reports and Groundsure's own records. This data goes back to 2014 and includes relative accuracy ratings for each event and links to the original data sources. The data is updated on a regular basis and should not be considered a comprehensive catalogue of all sinkhole events. The absence of data in this database does not mean a sinkhole definitely has not occurred during this time.

This data is sourced from Groundsure.

19.4 Historical incidents

Records within 500m**0**

This dataset comprises an extract of 1:10,560, 1:10,000, 1:2,500 and 1:1,250 scale historical Ordnance Survey maps held by Groundsure, dating back to the 1840s. It shows shakeholes, deneholes and other 'holes' as noted on these maps. Dene holes are medieval chalk extraction pits, usually comprising a narrow shaft with a number of chambers at the base of the shaft. Shakeholes are an alternative name for suffusion sinkholes, most commonly found in the limestone landscapes of North Yorkshire but also extensively noted around the Brecon Beacons National Park.

Not all 'holes' noted on Ordnance Survey mapping will necessarily be present within this dataset.



This data is sourced from Groundsure.

19.5 National karst database

Records within 500m

0

This is a comprehensive database of national karst information gathered from a wide range of sources. BGS have collected data on five main types of karst feature: Sinkholes, stream links, caves, springs, and incidences of associated damage to buildings, roads, bridges and other engineered works.

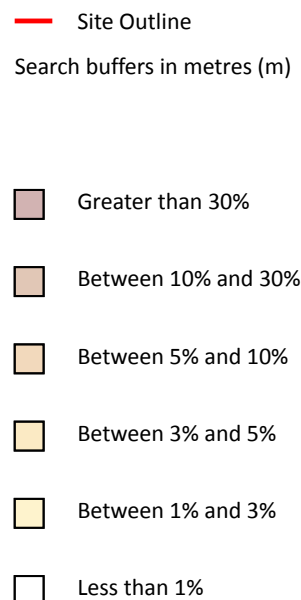
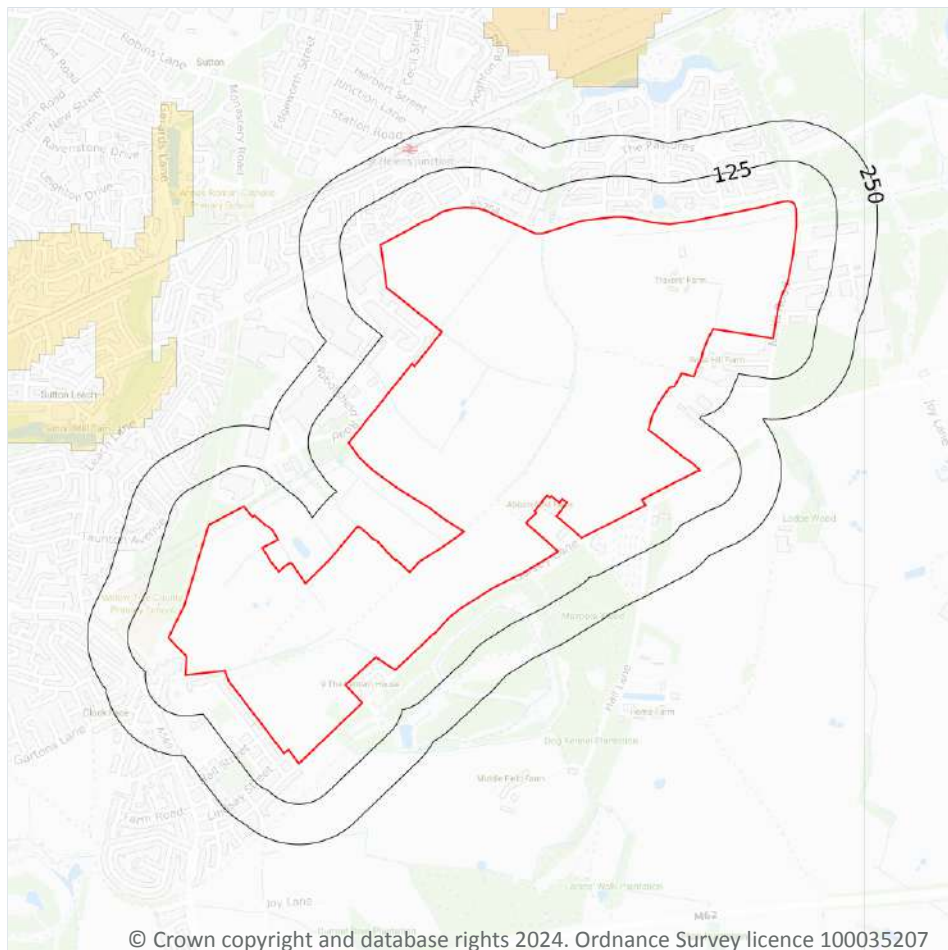
Since the database was set up in 2002 data covering most of the evaporite karst areas of the UK have now been added, along with data covering about 60% of the Chalk, and 35% of the Carboniferous Limestone outcrops. Many of the classic upland karst areas have yet to be included. Recorded so far are: Over 800 caves, 1300 stream sinks, 5600 springs, 10,000 sinkholes.

The database is not yet complete, and not all records have been verified. The absence of data does not mean that karst features are not present at a site. A reliability rating is included with each record.

This data is sourced from the British Geological Survey.



20 Radon



20.1 Radon

Records on site

1

The Radon Potential data classifies areas based on their likelihood of a property having a radon level at or above the Action Level in Great Britain. The dataset is intended for use at 1:50,000 scale and was derived from both geological assessments and indoor radon measurements (more than 560,000 records). A minimum 50m buffer should be considered when searching the maps, as the smallest detectable feature at this scale is 50m. The findings of this section should supersede any estimations derived from the Indicative Atlas of Radon in Great Britain (1:100,000 scale).

Features are displayed on the Radon map on [page 183](#) >

Location	Estimated properties affected	Radon Protection Measures required
On site	Less than 1%	None



This data is sourced from the British Geological Survey and UK Health Security Agency.



21 Soil chemistry

21.1 BGS Estimated Background Soil Chemistry

Records within 50m

54

The estimated values provide the likely background concentration of the potentially harmful elements Arsenic, Cadmium, Chromium, Lead and Nickel in topsoil. The values are estimated primarily from rural topsoil data collected at a sample density of approximately 1 per 2 km². In areas where rural soil samples are not available, estimation is based on stream sediment data collected from small streams at a sampling density of 1 per 2.5 km²; this is the case for most of Scotland, Wales and southern England. The stream sediment data are converted to soil-equivalent concentrations prior to the estimation.

Location	Arsenic	Bioaccessible Arsenic	Lead	Bioaccessible Lead	Cadmium	Chromium	Nickel
On site	15 - 25 mg/kg	No data	100 mg/kg	60 mg/kg	1.8 mg/kg	90 - 120 mg/kg	30 - 45 mg/kg
On site	15 - 25 mg/kg	No data	100 mg/kg	60 mg/kg	1.8 mg/kg	90 - 120 mg/kg	15 - 30 mg/kg
On site	15 - 25 mg/kg	No data	100 mg/kg	60 mg/kg	1.8 mg/kg	120 - 180 mg/kg	30 - 45 mg/kg
On site	15 - 25 mg/kg	No data	100 mg/kg	60 mg/kg	1.8 mg/kg	120 - 180 mg/kg	30 - 45 mg/kg
On site	15 - 25 mg/kg	No data	100 mg/kg	60 mg/kg	1.8 mg/kg	120 - 180 mg/kg	30 - 45 mg/kg
On site	15 - 25 mg/kg	No data	100 mg/kg	60 mg/kg	1.8 mg/kg	90 - 120 mg/kg	30 - 45 mg/kg
On site	15 - 25 mg/kg	No data	100 mg/kg	60 mg/kg	1.8 mg/kg	90 - 120 mg/kg	30 - 45 mg/kg
On site	15 - 25 mg/kg	No data	100 mg/kg	60 mg/kg	1.8 mg/kg	90 - 120 mg/kg	30 - 45 mg/kg
On site	15 - 25 mg/kg	No data	100 mg/kg	60 mg/kg	1.8 mg/kg	60 - 90 mg/kg	15 - 30 mg/kg
On site	15 - 25 mg/kg	No data	100 mg/kg	60 mg/kg	1.8 mg/kg	60 - 90 mg/kg	15 - 30 mg/kg
On site	15 - 25 mg/kg	No data	100 mg/kg	60 mg/kg	1.8 mg/kg	60 - 90 mg/kg	15 - 30 mg/kg
On site	15 - 25 mg/kg	No data	100 mg/kg	60 mg/kg	1.8 mg/kg	60 - 90 mg/kg	15 - 30 mg/kg



Location	Arsenic	Bioaccessible Arsenic	Lead	Bioaccessible Lead	Cadmium	Chromium	Nickel
On site	15 - 25 mg/kg	No data	100 mg/kg	60 mg/kg	1.8 mg/kg	60 - 90 mg/kg	15 - 30 mg/kg
On site	15 - 25 mg/kg	No data	100 mg/kg	60 mg/kg	1.8 mg/kg	60 - 90 mg/kg	15 - 30 mg/kg
On site	15 - 25 mg/kg	No data	100 mg/kg	60 mg/kg	1.8 mg/kg	60 - 90 mg/kg	15 - 30 mg/kg
On site	15 - 25 mg/kg	No data	100 mg/kg	60 mg/kg	1.8 mg/kg	60 - 90 mg/kg	15 - 30 mg/kg
On site	15 - 25 mg/kg	No data	100 mg/kg	60 mg/kg	1.8 mg/kg	60 - 90 mg/kg	15 - 30 mg/kg
On site	15 - 25 mg/kg	No data	100 mg/kg	60 mg/kg	1.8 mg/kg	60 - 90 mg/kg	15 - 30 mg/kg
On site	15 - 25 mg/kg	No data	100 mg/kg	60 mg/kg	1.8 mg/kg	60 - 90 mg/kg	15 - 30 mg/kg
On site	15 - 25 mg/kg	No data	100 mg/kg	60 mg/kg	1.8 mg/kg	60 - 90 mg/kg	15 - 30 mg/kg
On site	15 - 25 mg/kg	No data	100 mg/kg	60 mg/kg	1.8 mg/kg	60 - 90 mg/kg	15 - 30 mg/kg
On site	15 - 25 mg/kg	No data	100 mg/kg	60 mg/kg	1.8 mg/kg	60 - 90 mg/kg	15 - 30 mg/kg
On site	15 - 25 mg/kg	No data	100 mg/kg	60 mg/kg	1.8 mg/kg	60 - 90 mg/kg	15 - 30 mg/kg
On site	15 - 25 mg/kg	No data	100 mg/kg	60 mg/kg	1.8 mg/kg	60 - 90 mg/kg	15 - 30 mg/kg
On site	15 - 25 mg/kg	No data	100 mg/kg	60 mg/kg	1.8 mg/kg	60 - 90 mg/kg	15 - 30 mg/kg
On site	15 - 25 mg/kg	No data	100 mg/kg	60 mg/kg	1.8 mg/kg	60 - 90 mg/kg	15 - 30 mg/kg
On site	15 - 25 mg/kg	No data	100 mg/kg	60 mg/kg	1.8 mg/kg	60 - 90 mg/kg	15 - 30 mg/kg
On site	15 - 25 mg/kg	No data	100 mg/kg	60 mg/kg	1.8 mg/kg	60 - 90 mg/kg	15 - 30 mg/kg
On site	15 - 25 mg/kg	No data	100 mg/kg	60 mg/kg	1.8 mg/kg	60 - 90 mg/kg	15 - 30 mg/kg
On site	15 mg/kg	No data	100 mg/kg	60 mg/kg	1.8 mg/kg	90 - 120 mg/kg	15 - 30 mg/kg
On site	15 mg/kg	No data	100 mg/kg	60 mg/kg	1.8 mg/kg	90 - 120 mg/kg	15 - 30 mg/kg



Location	Arsenic	Bioaccessible Arsenic	Lead	Bioaccessible Lead	Cadmium	Chromium	Nickel
On site	15 mg/kg	No data	100 mg/kg	60 mg/kg	1.8 mg/kg	90 - 120 mg/kg	15 - 30 mg/kg
On site	15 mg/kg	No data	100 mg/kg	60 mg/kg	1.8 mg/kg	90 - 120 mg/kg	15 - 30 mg/kg
On site	15 mg/kg	No data	100 mg/kg	60 mg/kg	1.8 mg/kg	90 - 120 mg/kg	15 - 30 mg/kg
On site	15 mg/kg	No data	100 mg/kg	60 mg/kg	1.8 mg/kg	90 - 120 mg/kg	15 - 30 mg/kg
On site	15 mg/kg	No data	100 mg/kg	60 mg/kg	1.8 mg/kg	90 - 120 mg/kg	15 - 30 mg/kg
On site	15 mg/kg	No data	100 mg/kg	60 mg/kg	1.8 mg/kg	90 - 120 mg/kg	15 - 30 mg/kg
On site	15 mg/kg	No data	100 mg/kg	60 mg/kg	1.8 mg/kg	90 - 120 mg/kg	15 - 30 mg/kg
On site	15 mg/kg	No data	100 mg/kg	60 mg/kg	1.8 mg/kg	90 - 120 mg/kg	15 - 30 mg/kg
On site	15 mg/kg	No data	100 mg/kg	60 mg/kg	1.8 mg/kg	90 - 120 mg/kg	15 - 30 mg/kg
On site	15 mg/kg	No data	100 mg/kg	60 mg/kg	1.8 mg/kg	90 - 120 mg/kg	15 - 30 mg/kg
On site	15 mg/kg	No data	100 mg/kg	60 mg/kg	1.8 mg/kg	90 - 120 mg/kg	15 - 30 mg/kg
On site	15 mg/kg	No data	100 mg/kg	60 mg/kg	1.8 mg/kg	90 - 120 mg/kg	15 - 30 mg/kg
On site	15 mg/kg	No data	100 mg/kg	60 mg/kg	1.8 mg/kg	90 - 120 mg/kg	15 - 30 mg/kg
On site	15 mg/kg	No data	100 mg/kg	60 mg/kg	1.8 mg/kg	90 - 120 mg/kg	15 - 30 mg/kg
On site	15 mg/kg	No data	100 mg/kg	60 mg/kg	1.8 mg/kg	90 - 120 mg/kg	15 - 30 mg/kg
On site	15 mg/kg	No data	100 mg/kg	60 mg/kg	1.8 mg/kg	90 - 120 mg/kg	15 - 30 mg/kg
On site	15 mg/kg	No data	100 mg/kg	60 mg/kg	1.8 mg/kg	90 - 120 mg/kg	15 - 30 mg/kg
On site	15 mg/kg	No data	100 mg/kg	60 mg/kg	1.8 mg/kg	90 - 120 mg/kg	15 - 30 mg/kg
On site	15 mg/kg	No data	100 mg/kg	60 mg/kg	1.8 mg/kg	90 - 120 mg/kg	15 - 30 mg/kg
On site	15 mg/kg	No data	100 mg/kg	60 mg/kg	1.8 mg/kg	90 - 120 mg/kg	15 - 30 mg/kg
On site	15 mg/kg	No data	100 mg/kg	60 mg/kg	1.8 mg/kg	90 - 120 mg/kg	15 - 30 mg/kg
On site	15 mg/kg	No data	100 mg/kg	60 mg/kg	1.8 mg/kg	90 - 120 mg/kg	15 - 30 mg/kg



Location	Arsenic	Bioaccessible Arsenic	Lead	Bioaccessible Lead	Cadmium	Chromium	Nickel
On site	15 mg/kg	No data	100 mg/kg	60 mg/kg	1.8 mg/kg	90 - 120 mg/kg	15 - 30 mg/kg
On site	15 - 25 mg/kg	No data	100 mg/kg	60 mg/kg	1.8 mg/kg	60 - 90 mg/kg	15 - 30 mg/kg
On site	15 - 25 mg/kg	No data	100 mg/kg	60 mg/kg	1.8 mg/kg	60 - 90 mg/kg	15 - 30 mg/kg
5m NW	15 mg/kg	No data	100 mg/kg	60 mg/kg	1.8 mg/kg	90 - 120 mg/kg	15 - 30 mg/kg
8m E	15 - 25 mg/kg	No data	100 mg/kg	60 mg/kg	1.8 mg/kg	60 - 90 mg/kg	15 - 30 mg/kg
40m E	15 mg/kg	No data	100 mg/kg	60 mg/kg	1.8 mg/kg	90 - 120 mg/kg	15 - 30 mg/kg

This data is sourced from the British Geological Survey.

21.2 BGS Estimated Urban Soil Chemistry

Records within 50m

0

Estimated topsoil chemistry of Arsenic, Cadmium, Chromium, Copper, Nickel, Lead, Tin and Zinc and bioaccessible Arsenic and Lead in 23 urban centres across Great Britain. These estimates are derived from interpolation of the measured urban topsoil data referred to above and provide information across each city between the measured sample locations (4 per km²).

This data is sourced from the British Geological Survey.

21.3 BGS Measured Urban Soil Chemistry

Records within 50m

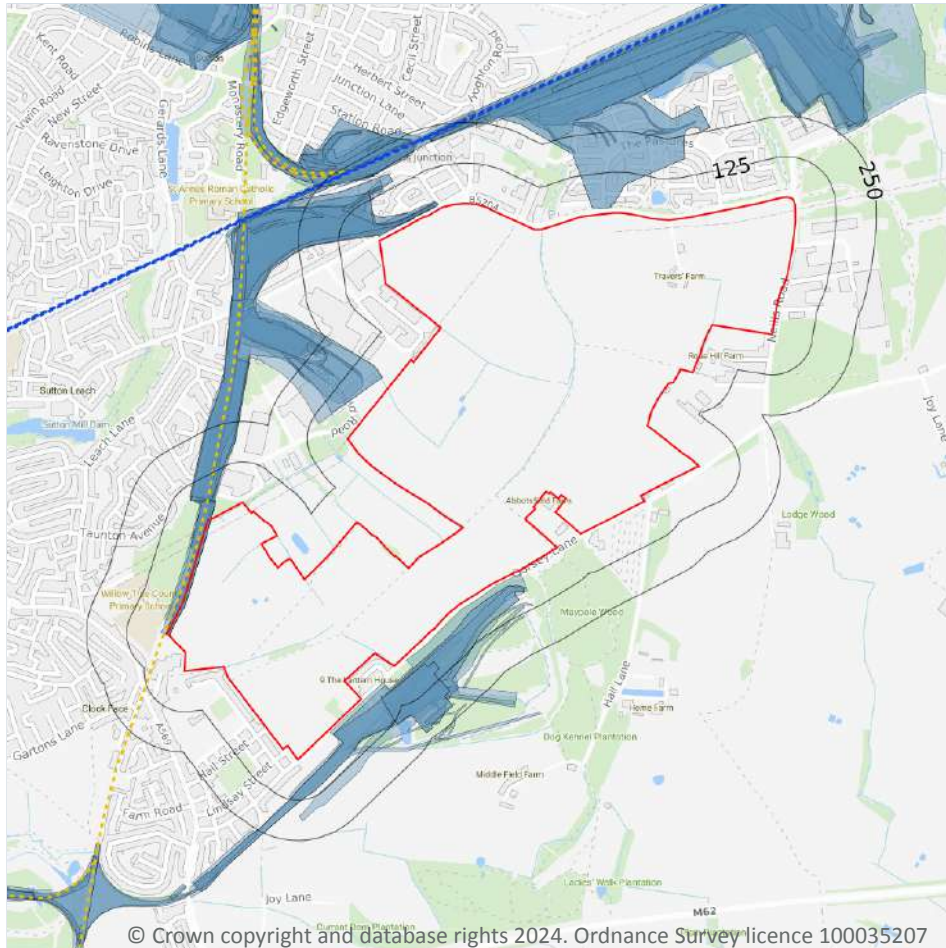
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The locations and measured total concentrations (mg/kg) of Arsenic, Cadmium, Chromium, Copper, Nickel, Lead, Tin and Zinc in urban topsoil samples from 23 urban centres across Great Britain. These are collected at a sample density of 4 per km².

This data is sourced from the British Geological Survey.



22 Railway infrastructure and projects



- Site Outline
- Search buffers in metres (m)
- C2 Crossrail 2 Stations
- Crossrail 2 Route
- Crossrail 2 Worksites
- Crossrail 2 Safeguarding
- Crossrail 2 Headhouses
- Railway stations
- Active railways
- Active tunnels
- Abandoned railways
- Historic railways
- Historic tunnels
- Underground stations
- Underground Lines
- Royal Mail tunnels
- HS2 optimised route
- HS2 Stations
- HS2 Depots
- HS2 Surface Safeguarding
- HS2 Subsurface Safeguarding

22.1 Underground railways (London)

Records within 250m

0

Details of all active London Underground lines, including approximate tunnel roof depth and operational hours.

This data is sourced from publicly available information by Groundsure.

22.2 Underground railways (Non-London)

Records within 250m

0

Details of the Merseyrail system, the Tyne and Wear Metro and the Glasgow Subway. Not all parts of all systems are located underground. The data contains location information only and does not include a depth assessment.



This data is sourced from publicly available information by Groundsure.

22.3 Railway tunnels

Records within 250m

0

Railway tunnels taken from contemporary Ordnance Survey mapping.

This data is sourced from the Ordnance Survey.

22.4 Historical railway and tunnel features

Records within 250m

109

Railways and tunnels digitised from historical Ordnance Survey mapping as scales of 1:1,250, 1:2,500, 1:10,000 and 1:10,560.

Features are displayed on the Railway infrastructure and projects map on [page 189 >](#)

Location	Land Use	Year of mapping	Mapping scale
On site	Railway Sidings	1893	2500
On site	Railway Sidings	1907	2500
On site	Railway Sidings	1928	2500
On site	Railway Sidings	1937	2500
On site	Railway Sidings	1938	10560
On site	Railway Sidings	1925	10560
On site	Railway Sidings	1906	10560
On site	Railway Sidings	1891	10560
On site	Railway Sidings	1965	10560
On site	Railway Sidings	1947	10560
7m SW	Railway Sidings	1956	10560
10m N	Railway Sidings	1947	10560
10m N	Railway Sidings	1965	10560
10m N	Railway Sidings	1956	10560
11m N	Railway Sidings	1906	10560
12m N	Railway Sidings	1938	10560
12m N	Railway Sidings	1892	10560



Location	Land Use	Year of mapping	Mapping scale
13m N	Railway Sidings	1938	10560
13m N	Railway Sidings	1928	2500
14m N	Railway Sidings	1908	2500
15m N	Railway Sidings	1894	2500
15m N	Railways	1892	-
17m NE	Railway Sidings	1974	10000
17m NE	Railway Sidings	1965	10560
18m N	Railway Sidings	1959	2500
18m SW	Railway Sidings	1938	10560
18m SW	Railway Sidings	1925	10560
19m N	Railway Sidings	1957	1250
19m SW	Railway Sidings	1947	10560
20m W	Railway Sidings	1893	2500
20m W	Railway Sidings	1907	2500
21m N	Railway Sidings	1962	2500
26m W	Railway Sidings	1962	2500
26m W	Railway Sidings	1957	2500
27m W	Railway Sidings	1956	1250
32m NW	Railway Sidings	1882	2500
38m NW	Railway Sidings	1956	1250
40m NW	Railway Sidings	1987	2500
40m NW	Railway Sidings	1983	2500
45m W	Railway Sidings	1947	10560
50m S	Railway Sidings	1907	2500
50m W	Railway Sidings	1894	2500
50m W	Railway Sidings	1908	2500
50m W	Railway Sidings	1928	2500
52m W	Railway Sidings	1938	10560



Location	Land Use	Year of mapping	Mapping scale
52m W	Railway Sidings	1956	10560
54m S	Railway Sidings	1974	10000
54m S	Railway Sidings	1965	10560
57m W	Railway Sidings	1928	2500
57m W	Railway Sidings	1937	2500
59m NW	Railway Sidings	1892	500
61m W	Railway Sidings	1956	1250
64m W	Railway Sidings	1962	2500
64m W	Railway Sidings	1957	2500
64m W	Railway Sidings	1962	2500
72m W	Railway Sidings	1956	1250
76m NW	Railway Sidings	1957	1250
77m NW	Railway Sidings	1959	2500
77m S	Railway Sidings	1962	2500
86m SW	Railway Sidings	1928	2500
88m NW	Railway Sidings	1987	2500
88m NW	Mineral Railway Sidings	1983	2500
91m NW	Railway Sidings	1892	500
156m NW	Railway Sidings	1957	1250
159m NW	Railway Sidings	1959	2500
176m W	Railway Sidings	1962	2500
184m NW	Railway Sidings	1894	2500
184m NW	Railway Sidings	1908	2500
184m NW	Railway Sidings	1928	2500
184m NW	Railway Sidings	1882	2500
185m N	Railway Sidings	1974	10000
186m NW	Railway Sidings	1906	10560
186m NW	Railway Sidings	1892	500



Location	Land Use	Year of mapping	Mapping scale
186m NW	Railway Sidings	1947	10560
186m N	Railway Sidings	1938	10560
189m NW	Railway Sidings	1959	2500
190m N	Railways	1892	-
190m NW	Railway Sidings	1938	10560
191m NW	Railway Sidings	1965	10560
191m NW	Railway Sidings	1956	10560
191m NW	Railway Sidings	1957	1250
194m N	Railway Sidings	1957	1250
195m N	Railway Sidings	1962	2500
195m N	Railway Sidings	1958	2500
200m N	Railway Sidings	1957	1250
201m N	Railway Sidings	1989	1250
201m N	Railway Sidings	1973	1250
204m N	Railway Sidings	1947	10560
205m N	Railway Sidings	1938	10560
205m N	Railway Sidings	1987	1250
207m N	Tramway Sidings	1938	10560
208m N	Railway Sidings	1928	2500
209m N	Railway Sidings	1994	1250
209m N	Railway Sidings	1959	2500
216m N	Railway Sidings	1959	2500
216m N	Railway Sidings	1994	1250
217m N	Railway Sidings	1973	1250
217m N	Railway Sidings	1957	1250
218m N	Railway Sidings	1989	1250
218m NW	Railway Sidings	1982	1250
225m N	Railway Sidings	1894	2500



Location	Land Use	Year of mapping	Mapping scale
225m N	Railway Sidings	1908	2500
225m N	Railway Sidings	1928	2500
225m N	Railway Sidings	1906	10560
227m N	Railway Sidings	1938	10560
230m N	Railway Sidings	1882	2500
231m N	Railway Sidings	1957	1250
241m NE	Railway Sidings	1892	10560
249m N	Railway Sidings	1981	10000

This data is sourced from Ordnance Survey/Groundsure.

22.5 Royal Mail tunnels

Records within 250m

0

The Post Office Railway, otherwise known as the Mail Rail, is an underground railway running through Central London from Paddington Head District Sorting Office to Whitechapel Eastern Head Sorting Office. The line is 10.5km long. The data includes details of the full extent of the tunnels, the depth of the tunnel, and the depth to track level.

This data is sourced from Groundsure/the Postal Museum.

22.6 Historical railways

Records within 250m

3

Former railway lines, including dismantled lines, abandoned lines, disused lines, historic railways and razed lines.

Features are displayed on the Railway infrastructure and projects map on [page 189 >](#)

Location	Description
9m SW	Razed
226m NW	Disused
241m NW	Disused

This data is sourced from OpenStreetMap.



22.7 Railways

Records within 250m

14

Currently existing railway lines, including standard railways, narrow gauge, funicular, trams and light railways. Features are displayed on the Railway infrastructure and projects map on [page 189 >](#)

Location	Name	Type
215m N	Liverpool to Manchester Lines	rail
218m N	Not given	Multi Track
218m N	Not given	Multi Track
218m N	Liverpool to Manchester Lines	rail
219m N	Liverpool to Manchester Lines	rail
220m N	Liverpool to Manchester Lines	rail
221m N	Liverpool to Manchester Lines	rail
221m N	Not given	Multi Track
222m N	Liverpool to Manchester Lines	rail
223m N	Not given	Multi Track
224m N	Liverpool to Manchester Lines	rail
225m N	Not given	Multi Track
225m N	Liverpool to Manchester Lines	rail
234m NW	Not given	Multi Track

This data is sourced from Ordnance Survey and OpenStreetMap.

22.8 Crossrail 2

Records within 500m

0

Crossrail 2 is a proposed railway linking the national rail networks in Surrey and Hertfordshire via an underground tunnel through London.

This data is sourced from publicly available information by Groundsure.



22.9 HS2

Records within 500m

0

HS2 is a proposed high speed rail network running from London to Manchester and Leeds via Birmingham. Main civils construction on Phase 1 (London to Birmingham) of the project began in 2019, and it is currently anticipated that this phase will be fully operational by 2026. Construction on Phase 2a (Birmingham to Crewe) is anticipated to commence in 2021, with the service fully operational by 2027. Construction on Phase 2b (Crewe to Manchester and Birmingham to Leeds) is scheduled to begin in 2023 and be operational by 2033.

This data is sourced from HS2 Ltd.



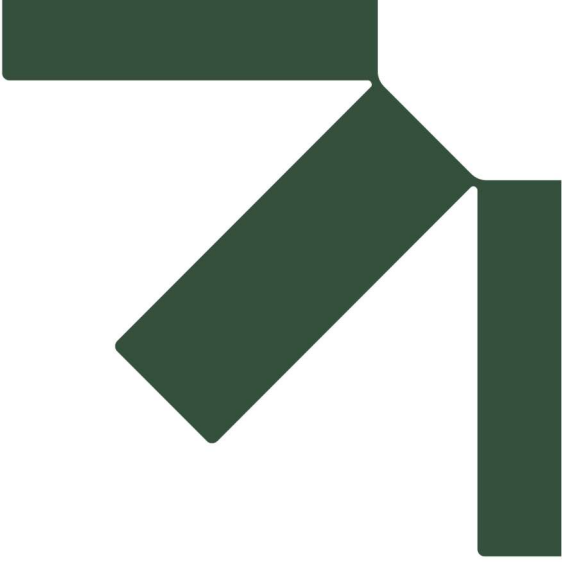
Data providers

Groundsure works with respected data providers to bring you the most relevant and accurate information. To find out who they are and their areas of expertise see <https://www.groundsure.com/sources-reference> ↗.

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Appendix C Groundsure Historical Maps

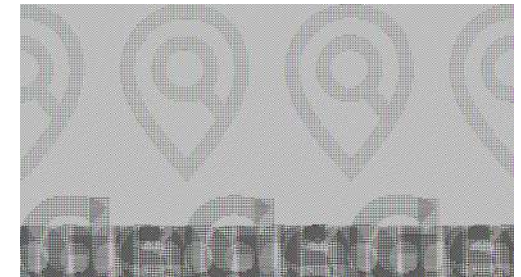
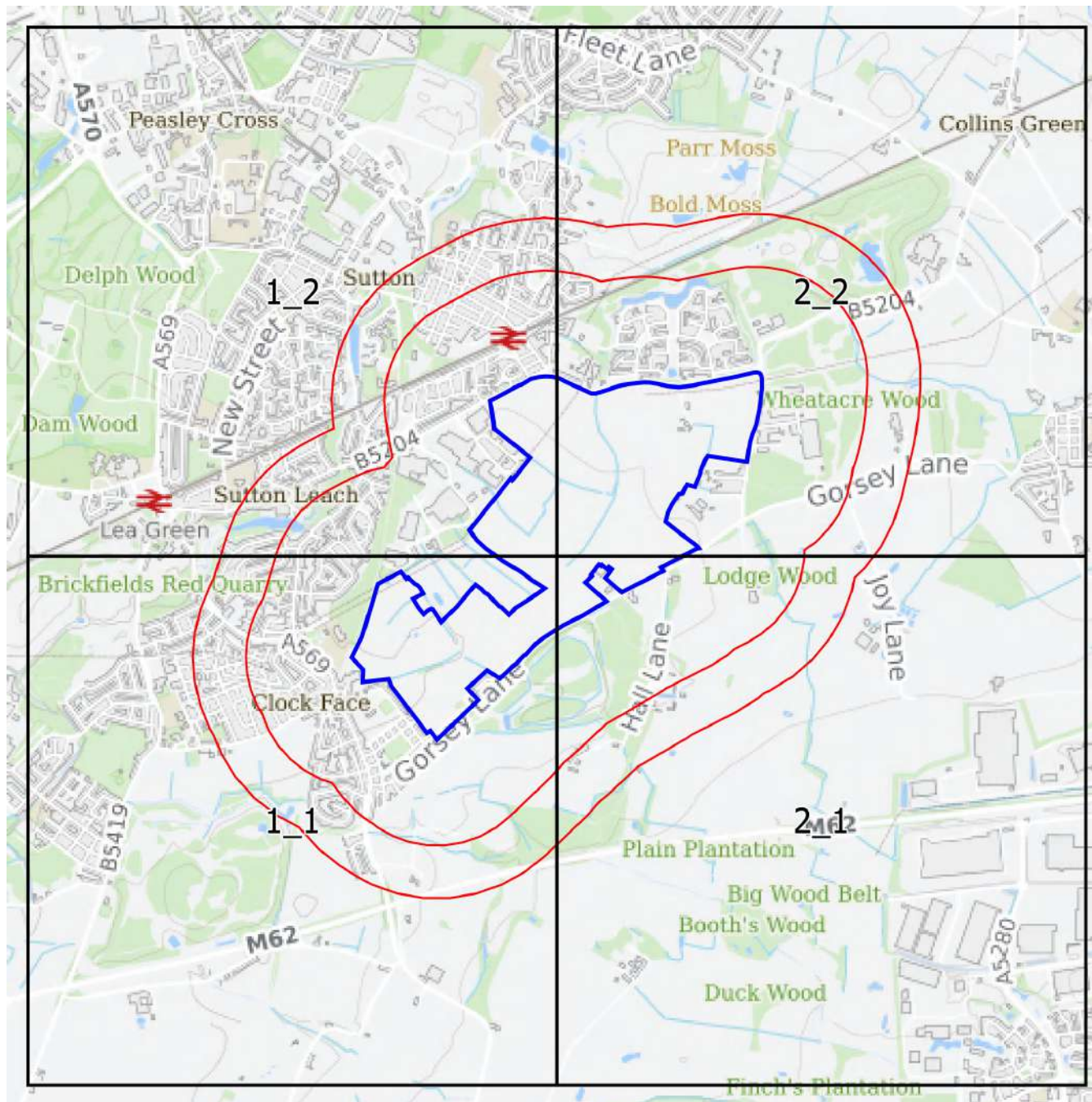
Preliminary Land Quality Risk Assessment

Bold Forest Garden Village

St Helens Borough Council

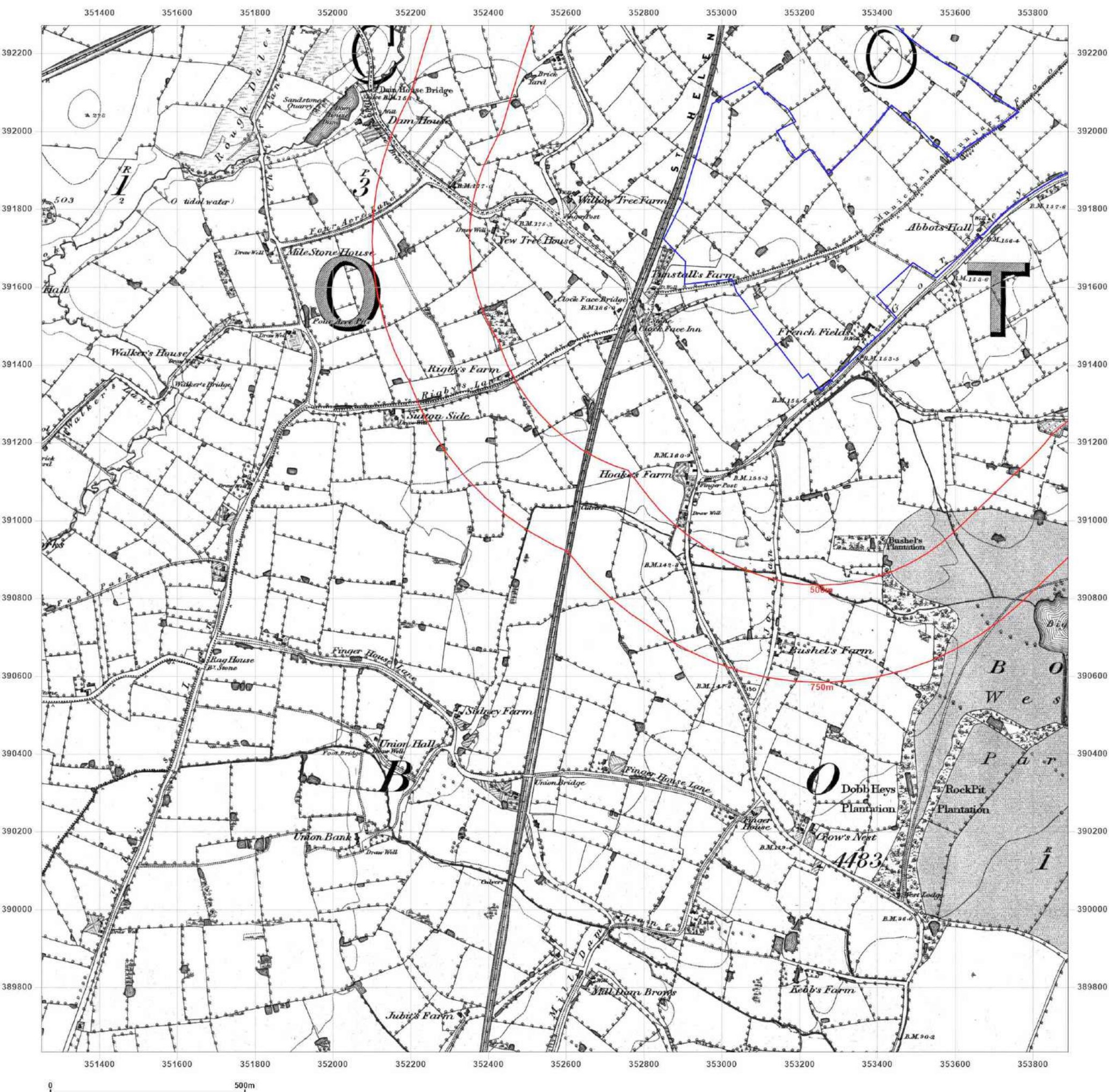
SLR Project No.: 410.066257.00001

16 June 2025



Small Scale Grid Index





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Site Details:

Bold Garden Village

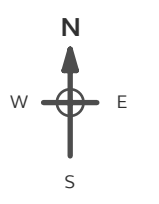
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Report Ref: EMS-984891_1248046_SS_1_1
Grid Ref: 352570, 390952

Map Name: County Series

Map date: 1849

Scale: 1:10,560

Printed at: 1:10,560



Surveyed N/A
Revised N/A
Edition 1849
Copyright N/A
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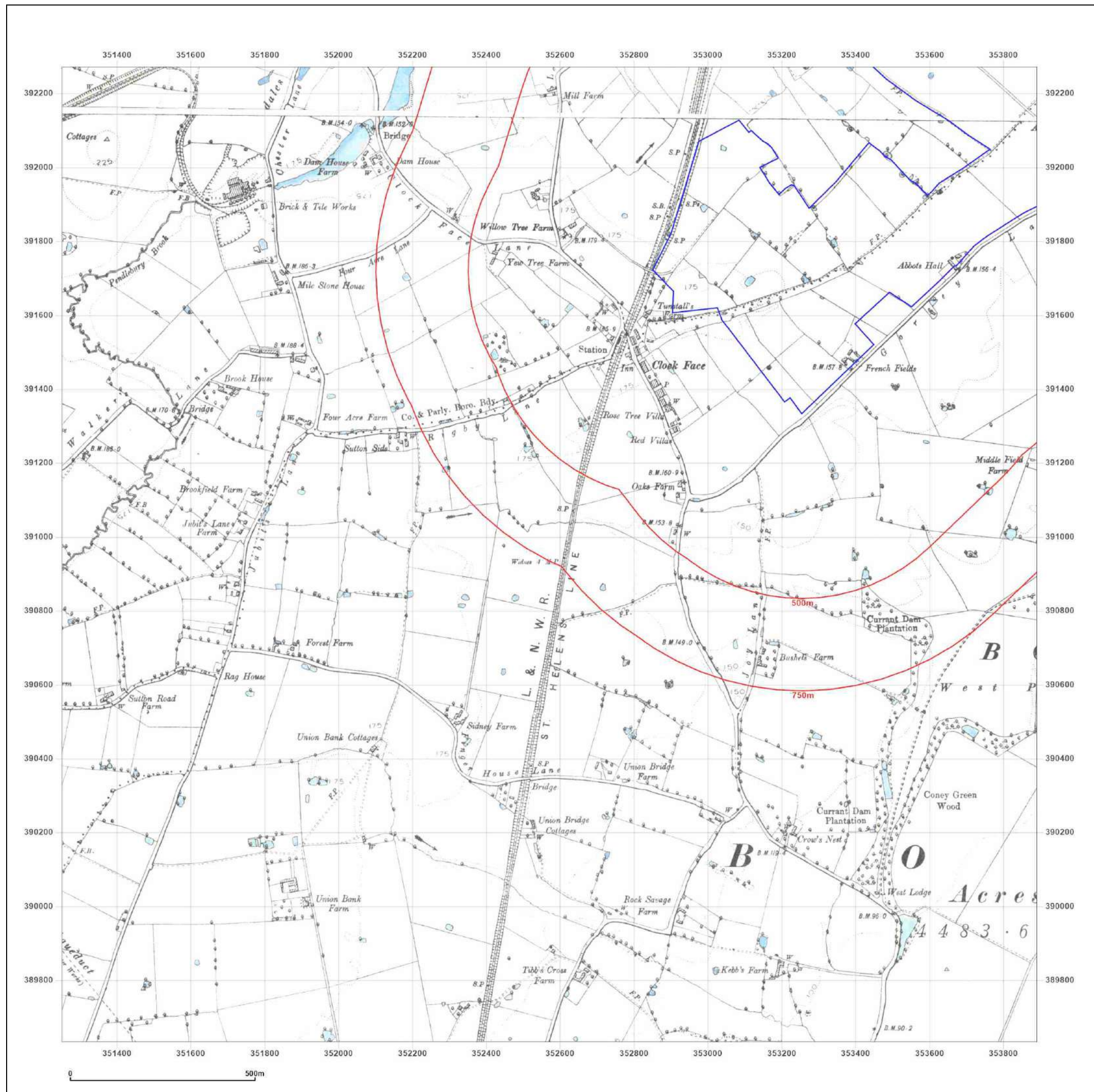


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Production date: 14 November 2024

Map legend available at:
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Site Details:

Bold Garden Village

Client Ref: EMS_984891_1225062
Report Ref: EMS-984891_1248046_SS_1_1
Grid Ref: 352570, 390952

Map Name: County Series

Map date: 1891-1892

Scale: 1:10,560

Printed at: 1:10,560



Surveyed 1892
Revised 1892
Edition N/A
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Surveyed 1891
Revised 1891
Edition N/A
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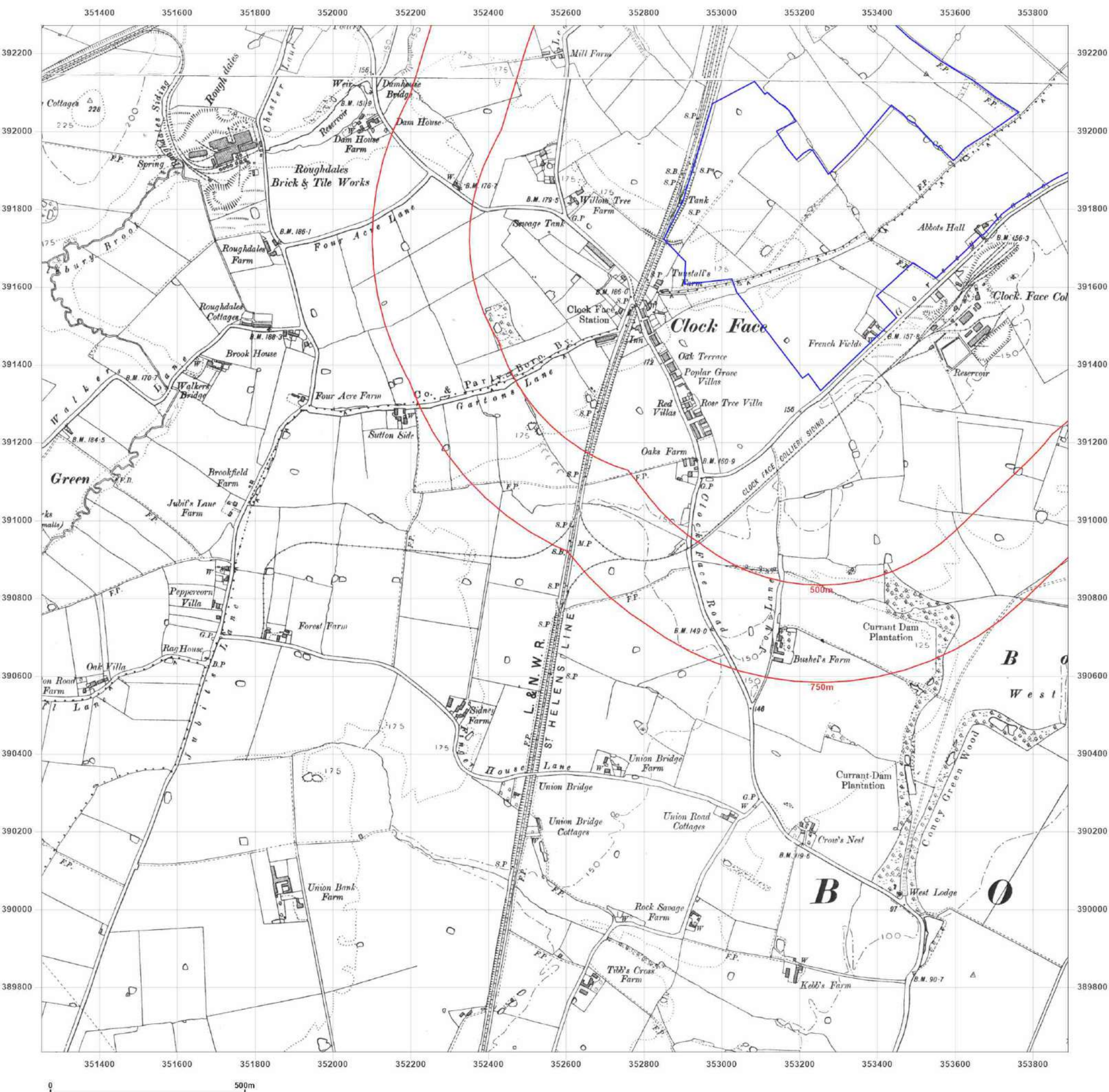


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Site Details:
Bold Garden Village

Client Ref: EMS_984891_1225062
Report Ref: EMS-984891_1248046_SS_1_1
Grid Ref: 352570, 390952

Map Name: County Series
Map date: 1906
Scale: 1:10,560
Printed at: 1:10,560

Surveyed 1847
Revised 1906
Edition N/A
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Surveyed 1891
Revised 1906
Edition N/A
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Client Ref: EMS_984891_1225062
Report Ref: EMS-984891_1248046_SS_1_1
Grid Ref: 352570, 390952

Map Name: County Series

Map date: 1925-1926

Scale: 1:10,560

Printed at: 1:10,560



Surveyed 1847
Revised 1926
Edition N/A
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Surveyed 1846
Revised 1925
Edition N/A
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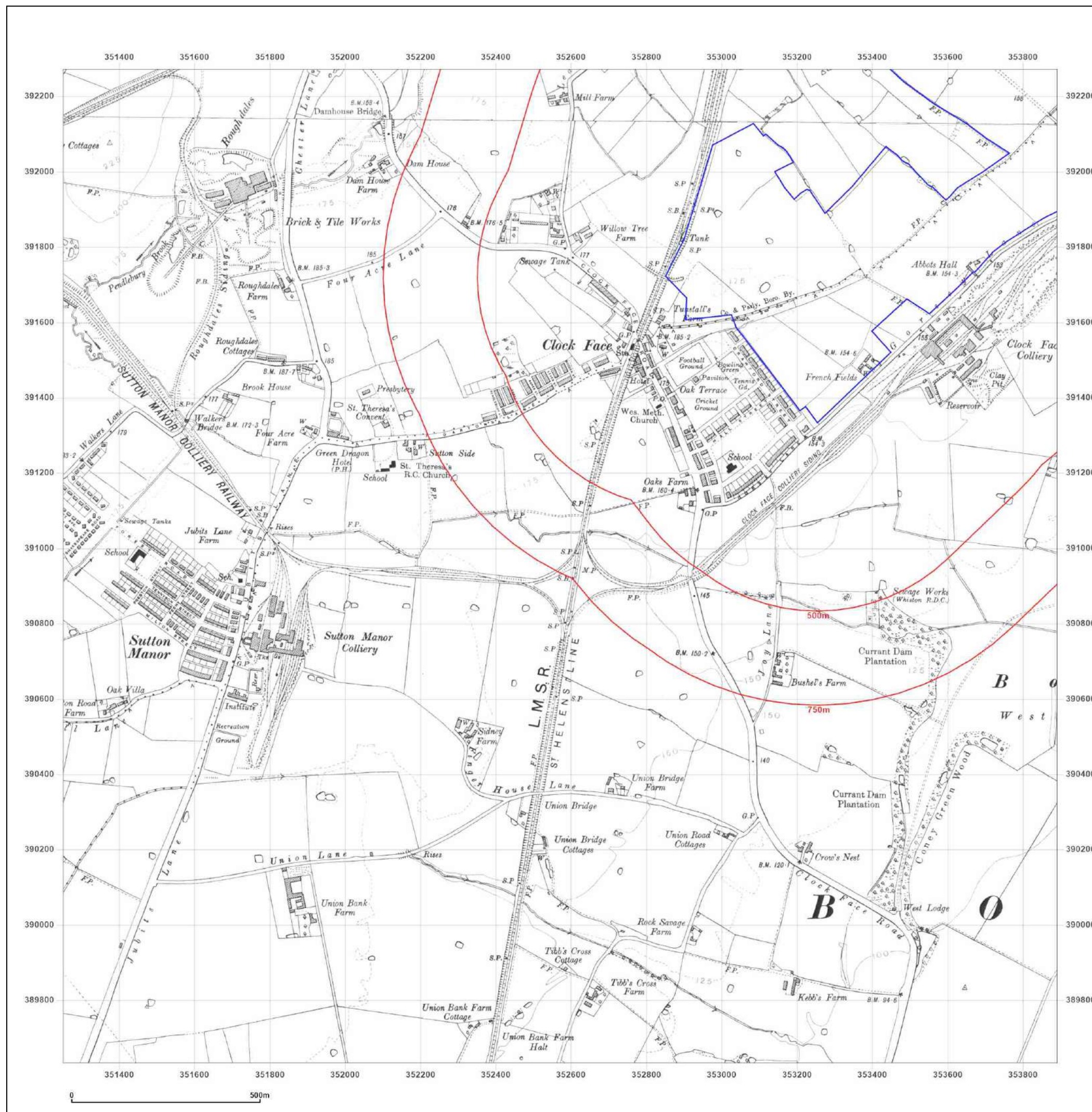


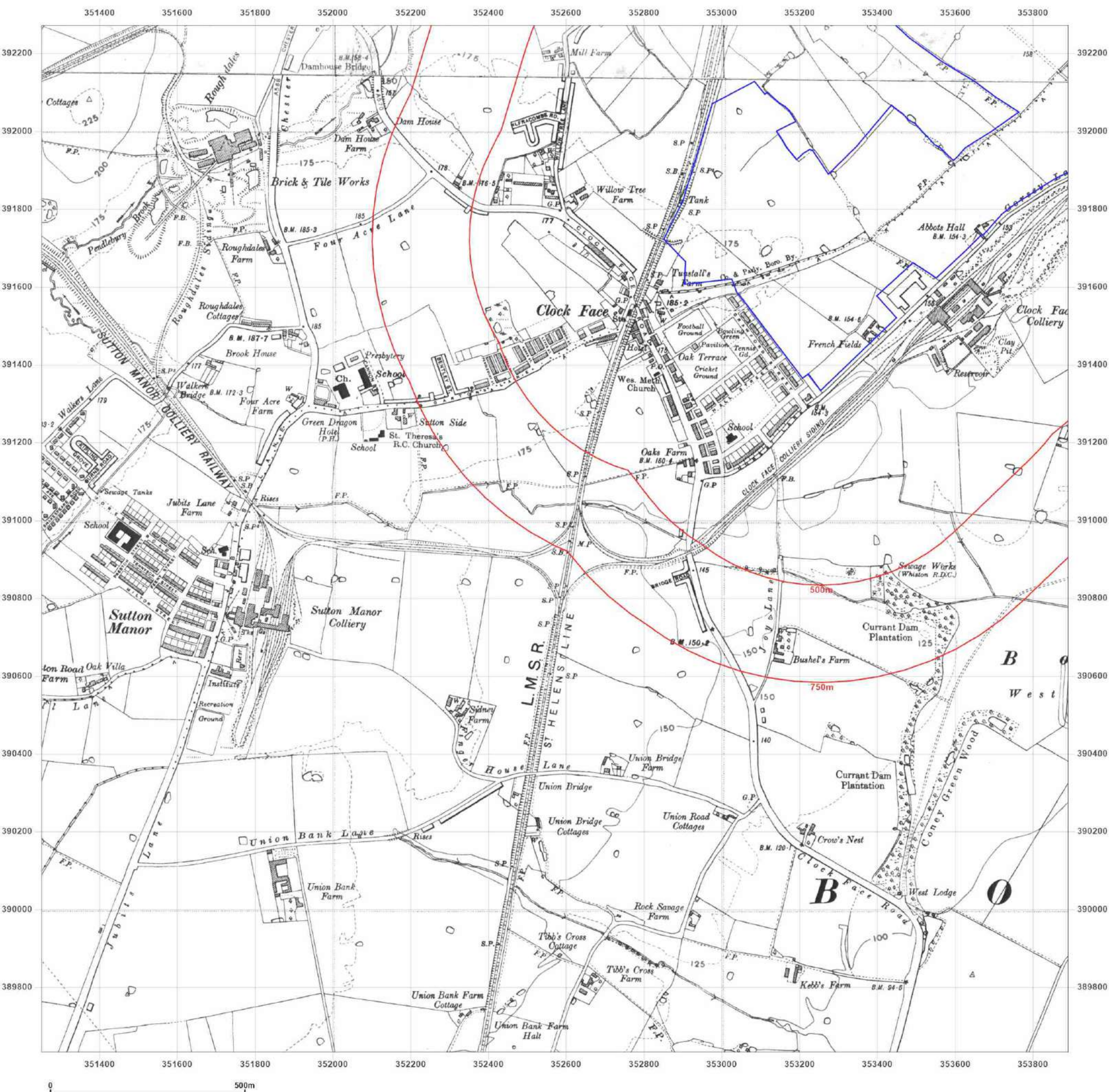
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Site Details:

Bold Garden Village

Client Ref: EMS_984891_1225062
Report Ref: EMS-984891_1248046_SS_1_1
Grid Ref: 352570, 390952

Map Name: County Series

Map date: 1938

Scale: 1:10,560

Printed at: 1:10,560



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Site Details:

Bold Garden Village

Client Ref: EMS_984891_1225062
Report Ref: EMS-984891_1248046_SS_1_1
Grid Ref: 352570, 390952

Map Name: County Series

Map date: 1947

Scale: 1:10,560

Printed at: 1:10,560



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Surveyed 1846
Revised 1947
Edition 1947
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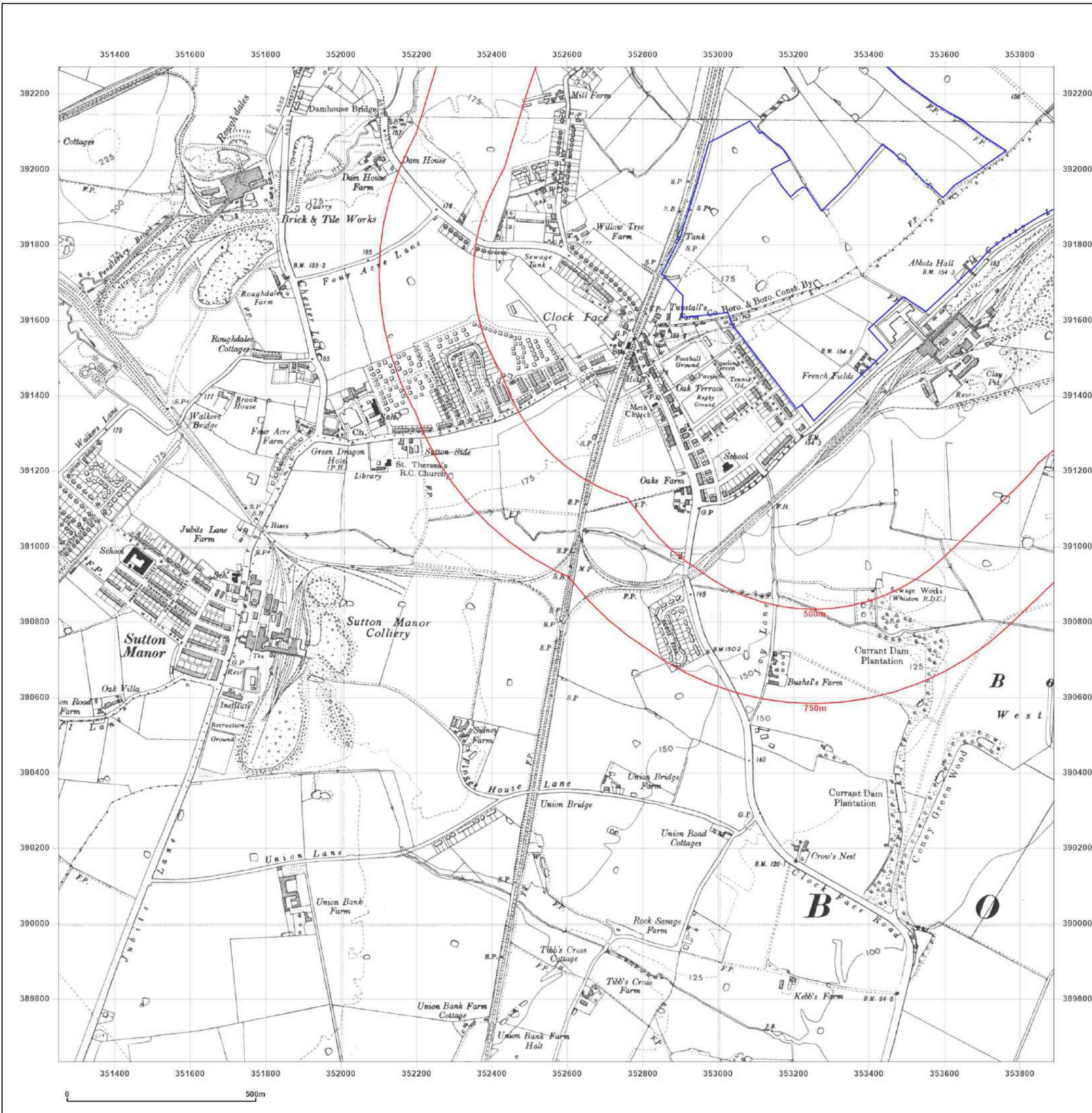


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Site Details:

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Report Ref: EMS-984891_1248046_SS_1_1
Grid Ref: 352570, 390952

Map Name: Provisional

Map date: 1956

Scale: 1:10,560

Printed at: 1:10,560



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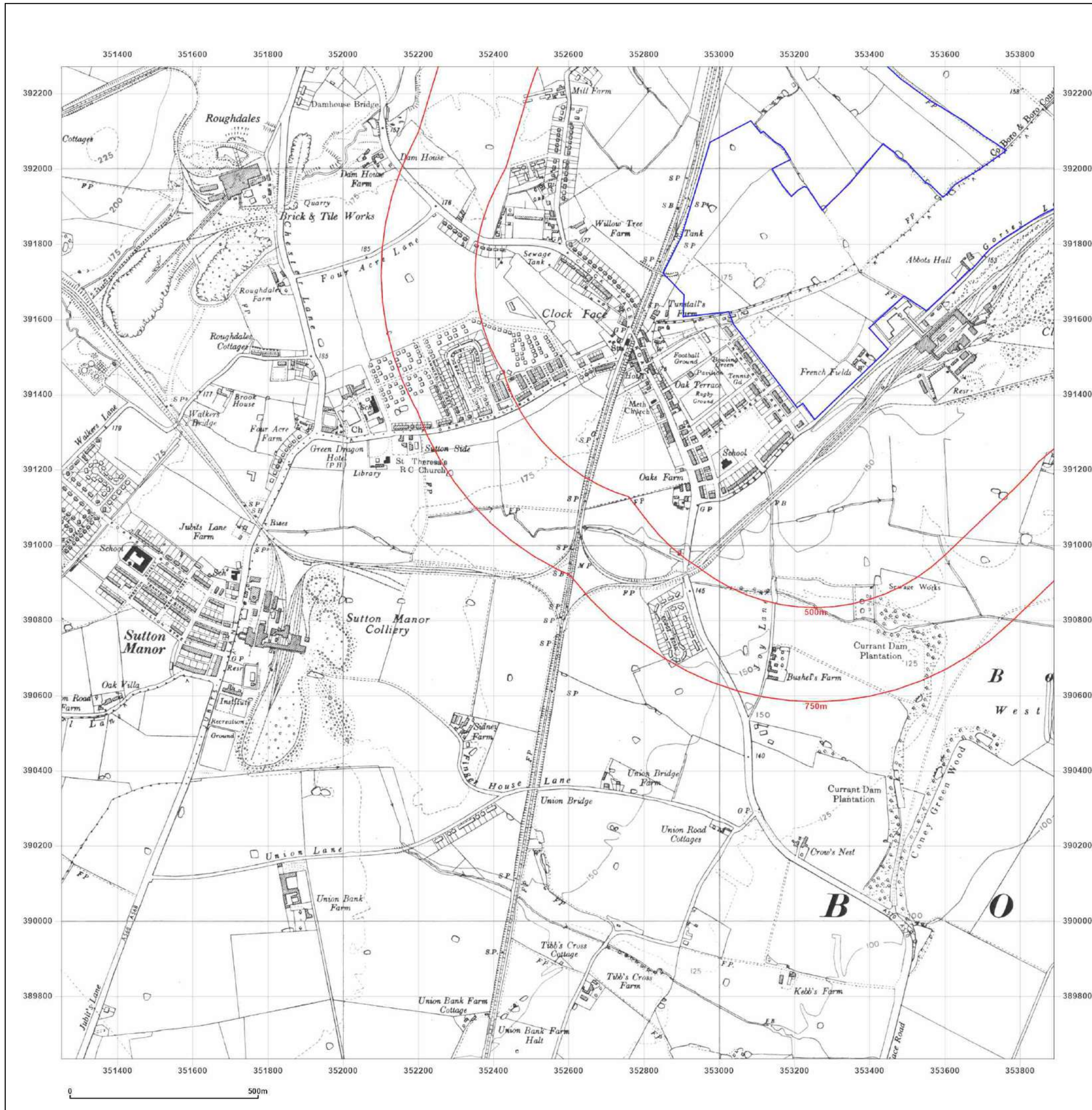


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Production date: 14 November 2024

Map legend available at:
www.groundsure.com/sites/default/files/groundsure_legend.pdf





Site Details:

Bold Garden Village

Client Ref: EMS_984891_1225062
Report Ref: EMS-984891_1248046_SS_1_1
Grid Ref: 352570, 390952

Map Name: Provisional

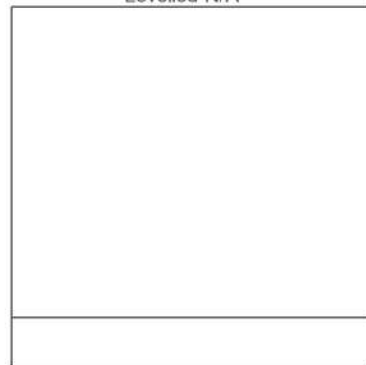
Map date: 1965

Scale: 1:10,560

Printed at: 1:10,560



Surveyed 1965
Revised 1965
Edition N/A
Copyright N/A
Levelled N/A



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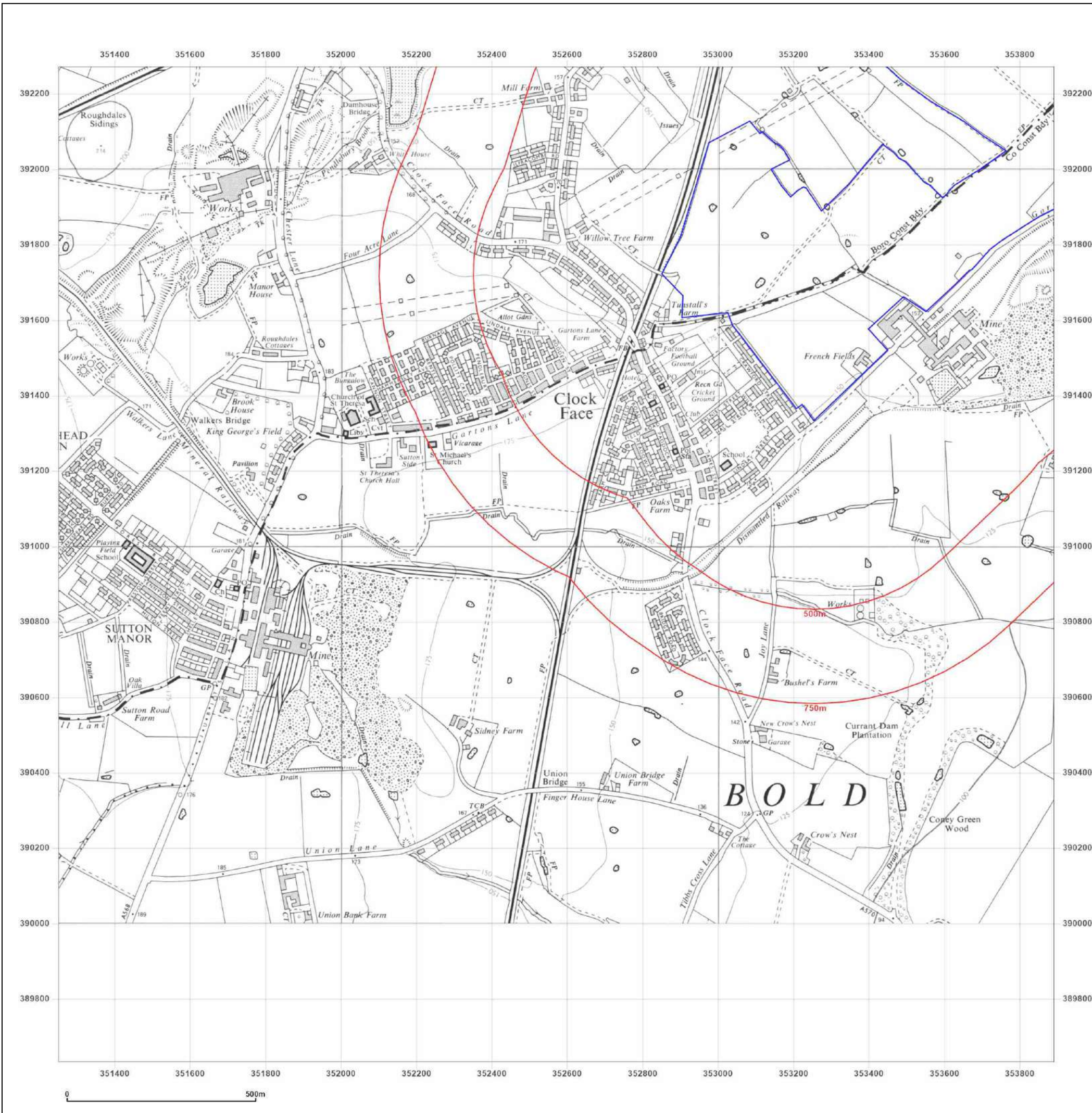


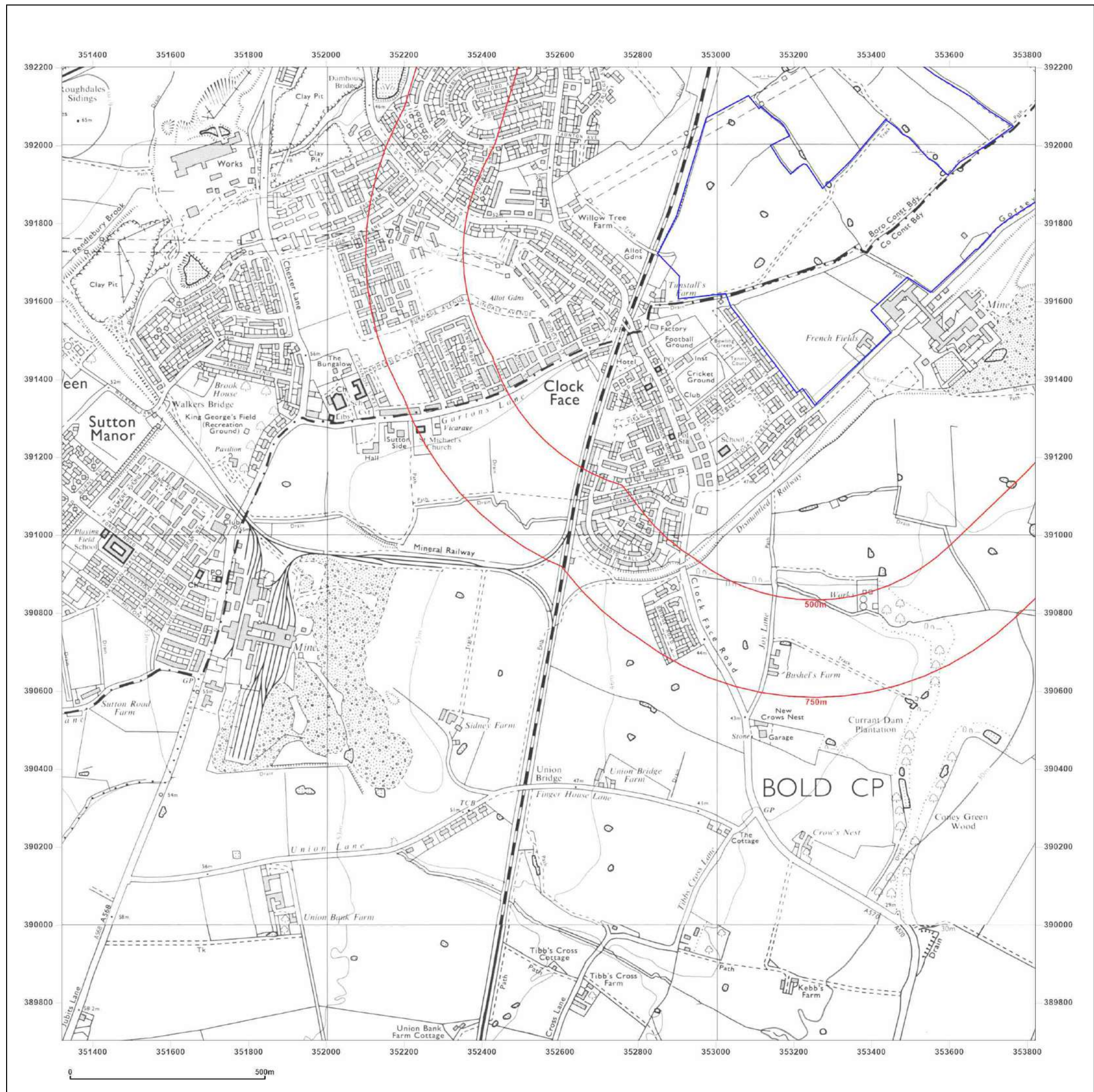
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Site Details:

Bold Garden Village

Client Ref: EMS_984891_1225062
Report Ref: EMS-984891_1248046_SS_1_1
Grid Ref: 352570, 390952

Map Name: National Grid

Map date: 1969-1974

Scale: 1:10,000

Printed at: 1:10,000



Surveyed 1972
Revised 1974
Edition N/A
Copyright 1974
Levelled 1964

Surveyed 1969
Revised 1969
Edition N/A
Copyright N/A
Levelled N/A



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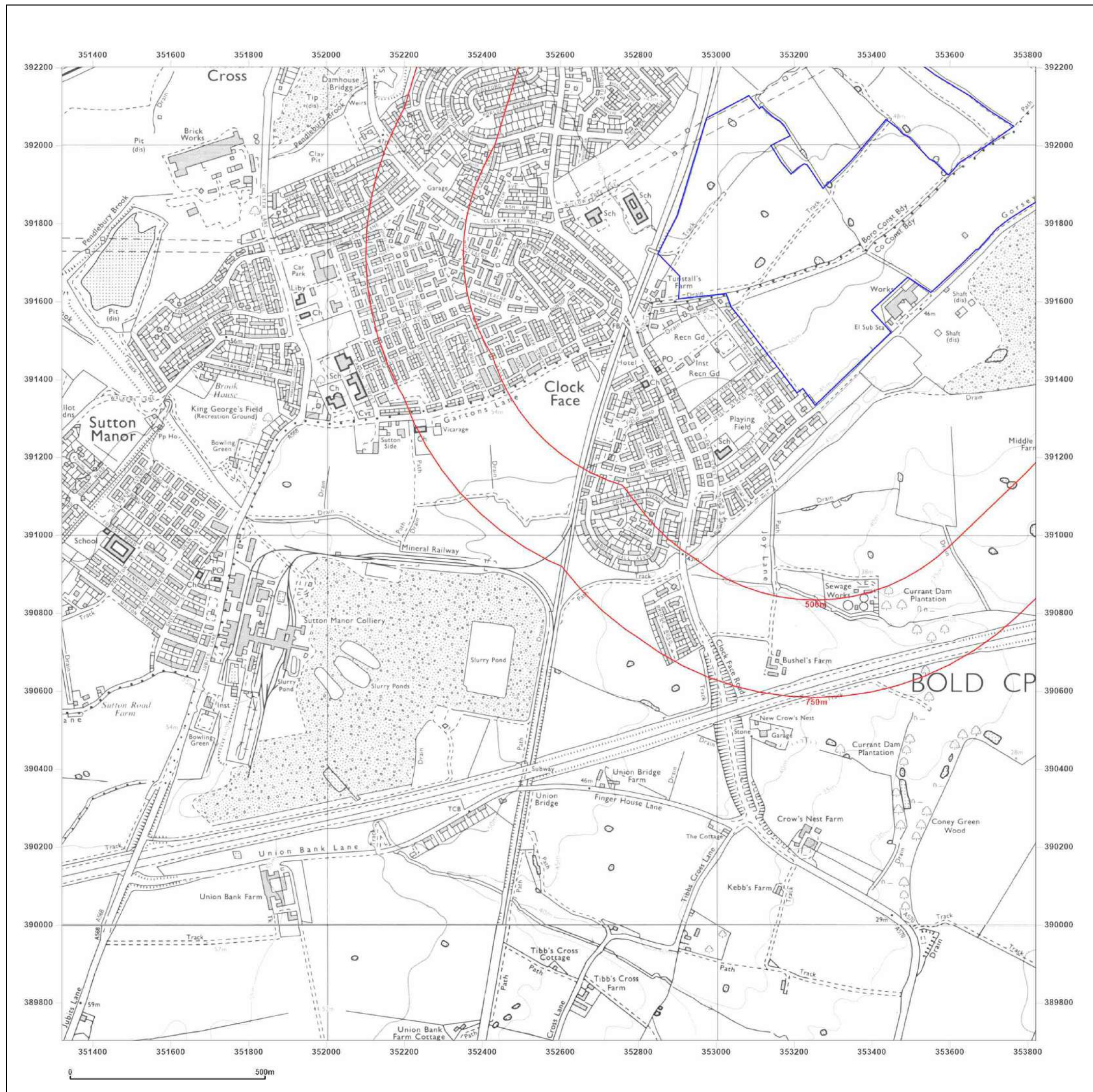


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Site Details:

Bold Garden Village

Client Ref: EMS_984891_1225062
Report Ref: EMS-984891_1248046_SS_1_1
Grid Ref: 352570, 390952

Map Name: National Grid

Map date: 1981-1985

Scale: 1:10,000

Printed at: 1:10,000



Surveyed 1980
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Edition N/A
Copyright N/A
Levelled N/A

Surveyed 1985
Revised 1985
Edition N/A
Copyright N/A
Levelled N/A



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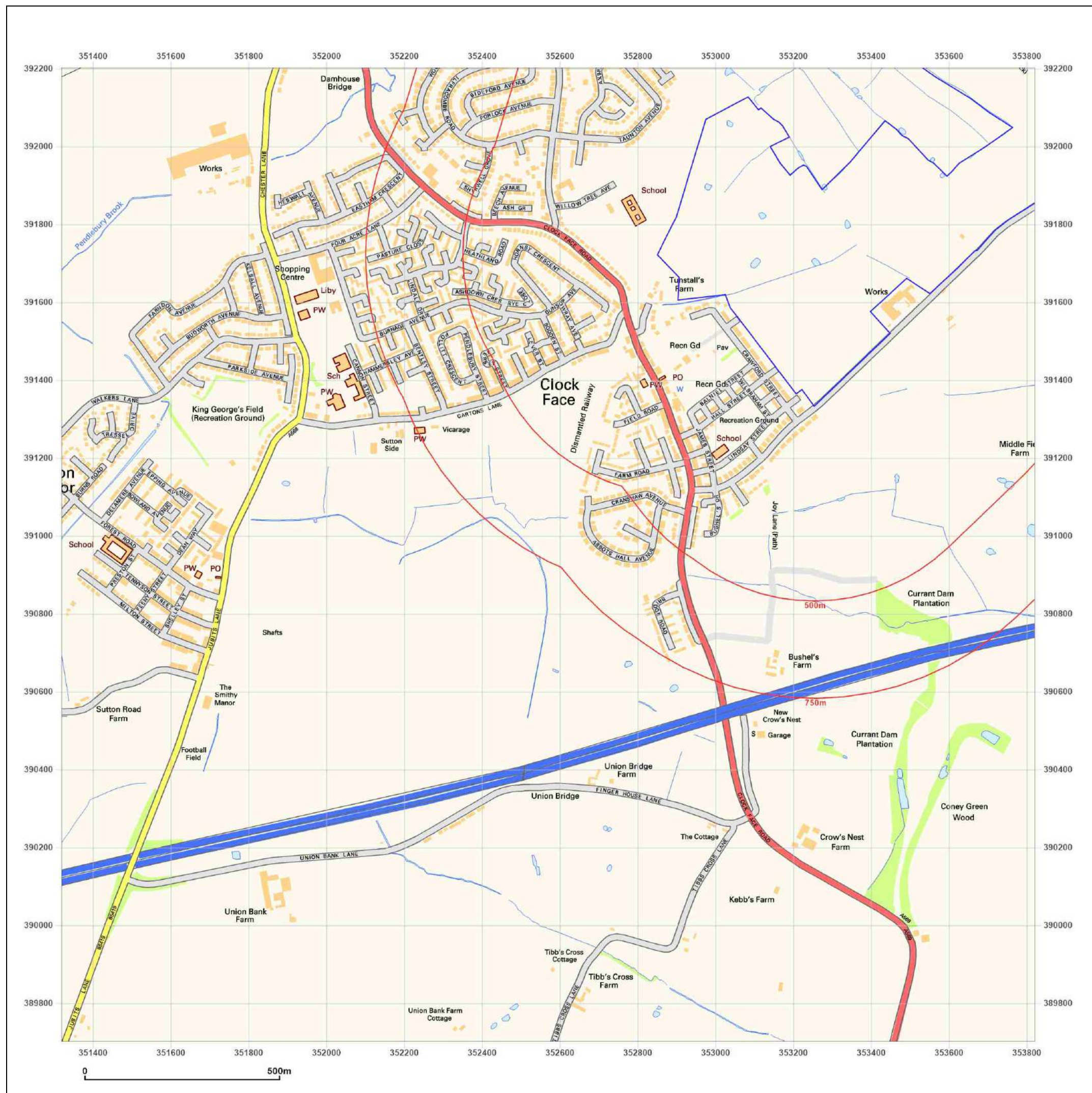


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Site Details:

Bold Garden Village

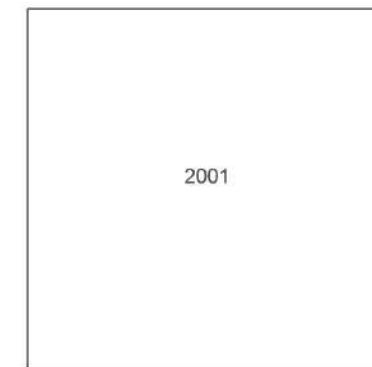
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Report Ref: EMS-984891_1248046_SS_1_1
Grid Ref: 352570, 390952

Map Name: National Grid

Map date: 2001

Scale: 1:10,000

Printed at: 1:10,000



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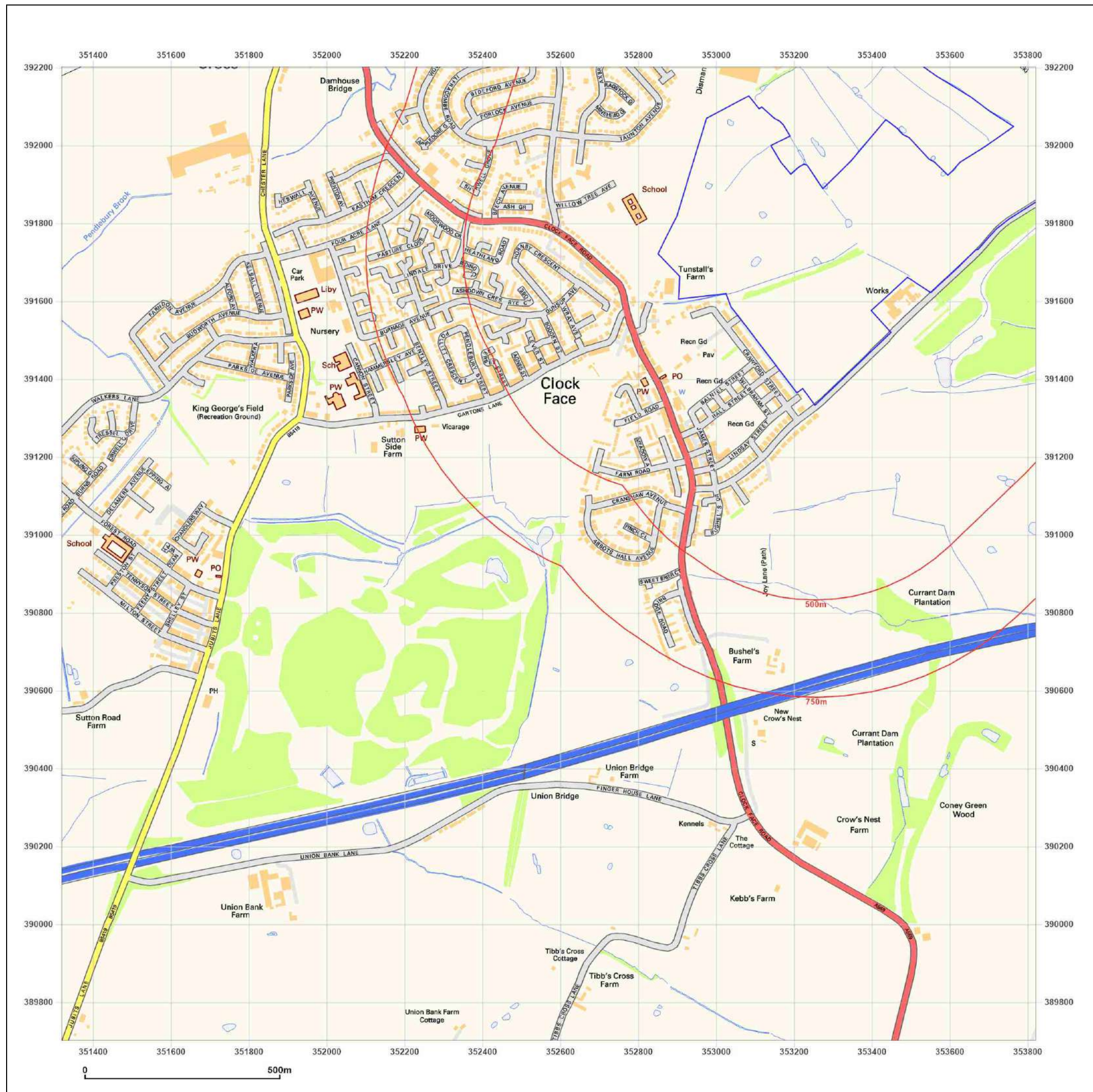


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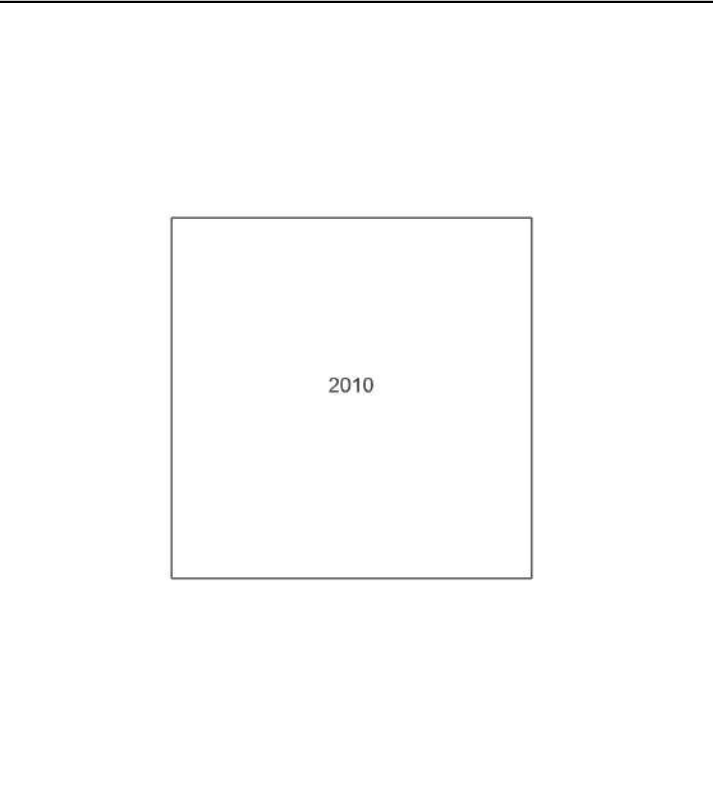
Site Details:

Bold Garden Village

Client Ref: EMS_984891_1225062
Report Ref: EMS-984891_1248046_SS_1_1
Grid Ref: 352570, 390952

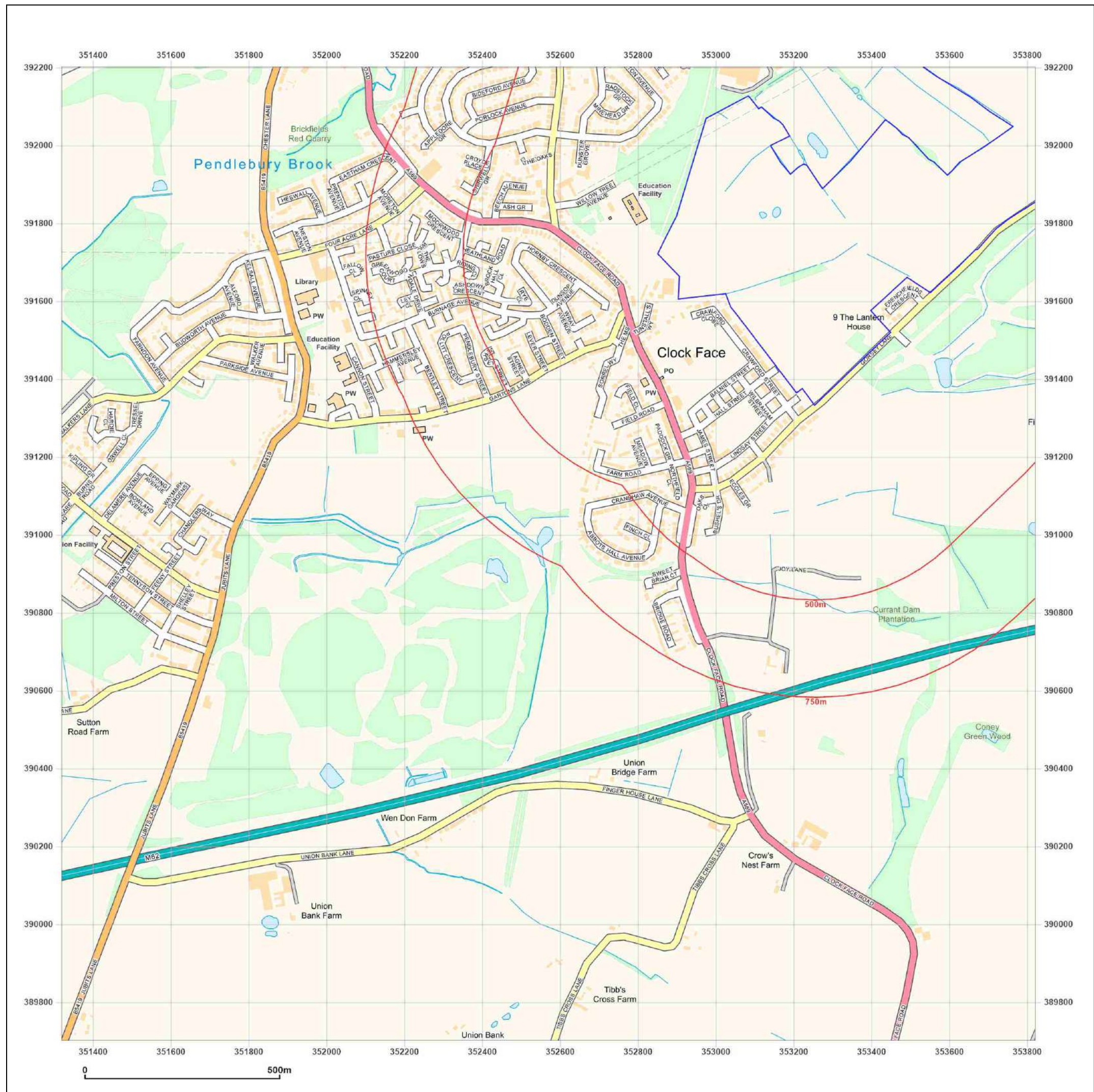
Map Name: National Grid
Map date: 2010
Scale: 1:10,000
Printed at: 1:10,000

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Site Details:

Bold Garden Village

Client Ref: EMS_984891_1225062
Report Ref: EMS-984891_1248046_SS_1_1
Grid Ref: 352570, 390952

Map Name: National Grid

Map date: 2024

Scale: 1:10,000

Printed at: 1:10,000



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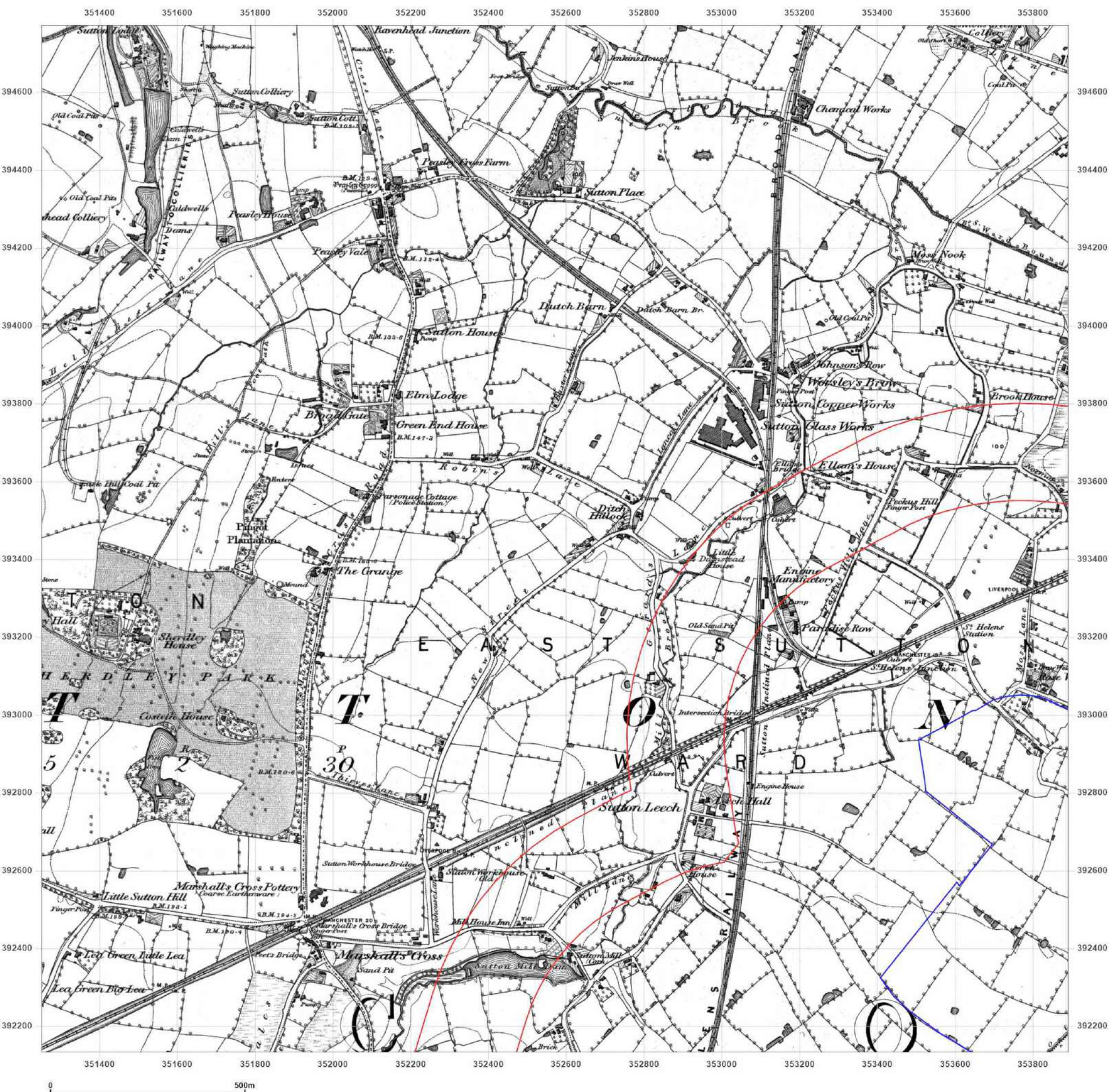


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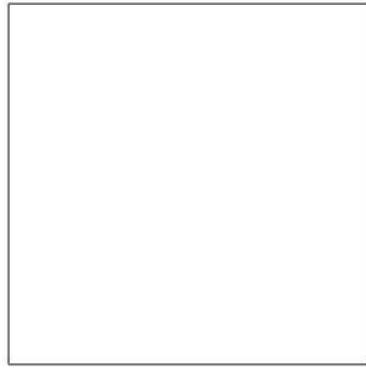
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Production date: 14 November 2024

Map legend available at:
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Site Details:	
Bold Garden Village	
Client Ref:	EMS_984891_1225062
Report Ref:	EMS-984891_1248046_SS_1_2
Grid Ref:	352570, 393452
Map Name:	County Series
Map date:	1849
Scale:	1:10,560
Printed at:	1:10,560



Surveyed N/A
Revised N/A
Edition 1849
Copyright N/A
Levelled N/A



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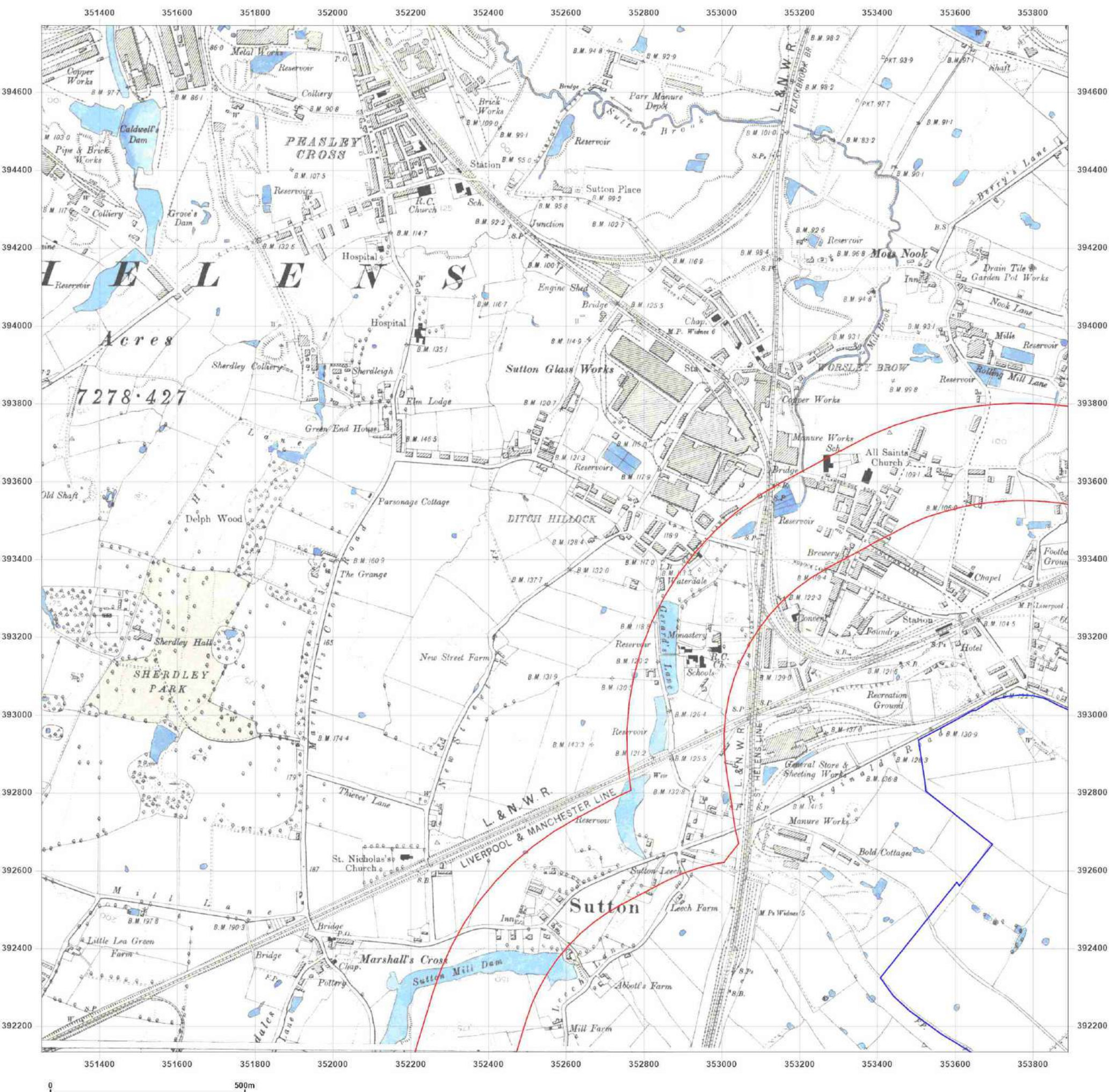


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Site Details:

Bold Garden Village

Client Ref: EMS_984891_1225062
Report Ref: EMS-984891_1248046_SS_1_2
Grid Ref: 352570, 393452

Map Name: County Series

Map date: 1891-1892

Scale: 1:10,560

Printed at: 1:10,560



Surveyed 1892
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Edition N/A
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Surveyed 1891
Revised 1891
Edition N/A
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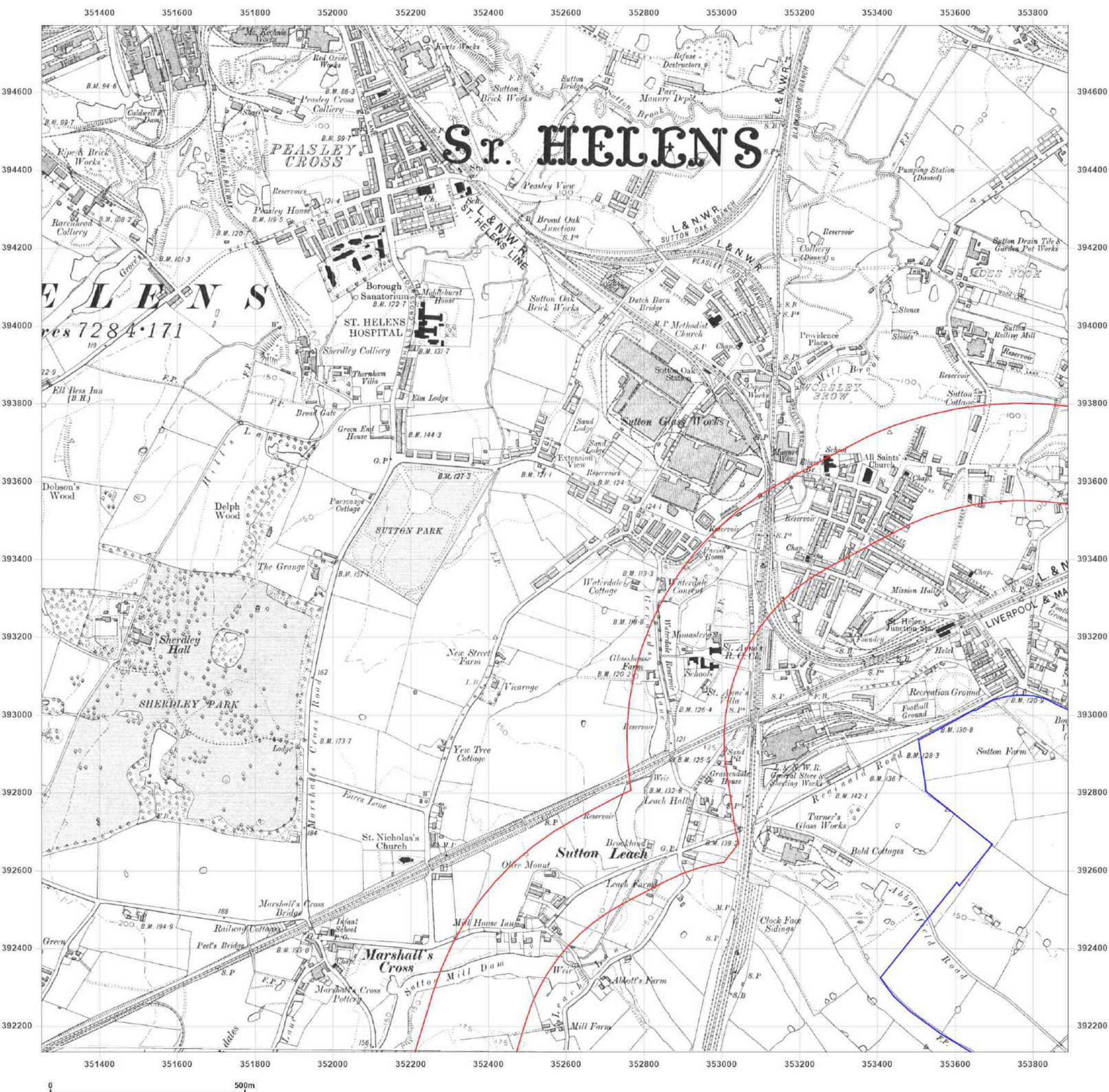


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Site Details:

Bold Garden Village

Client Ref: EMS_984891_1225062
Report Ref: EMS-984891_1248046_SS_1_2
Grid Ref: 352570, 393452

Map Name: County Series

Map date: 1906

Scale: 1:10,560

Printed at: 1:10,560



Surveyed 1847
Revised 1906
Edition N/A
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Levelled N/A

Surveyed 1891
Revised 1906
Edition N/A
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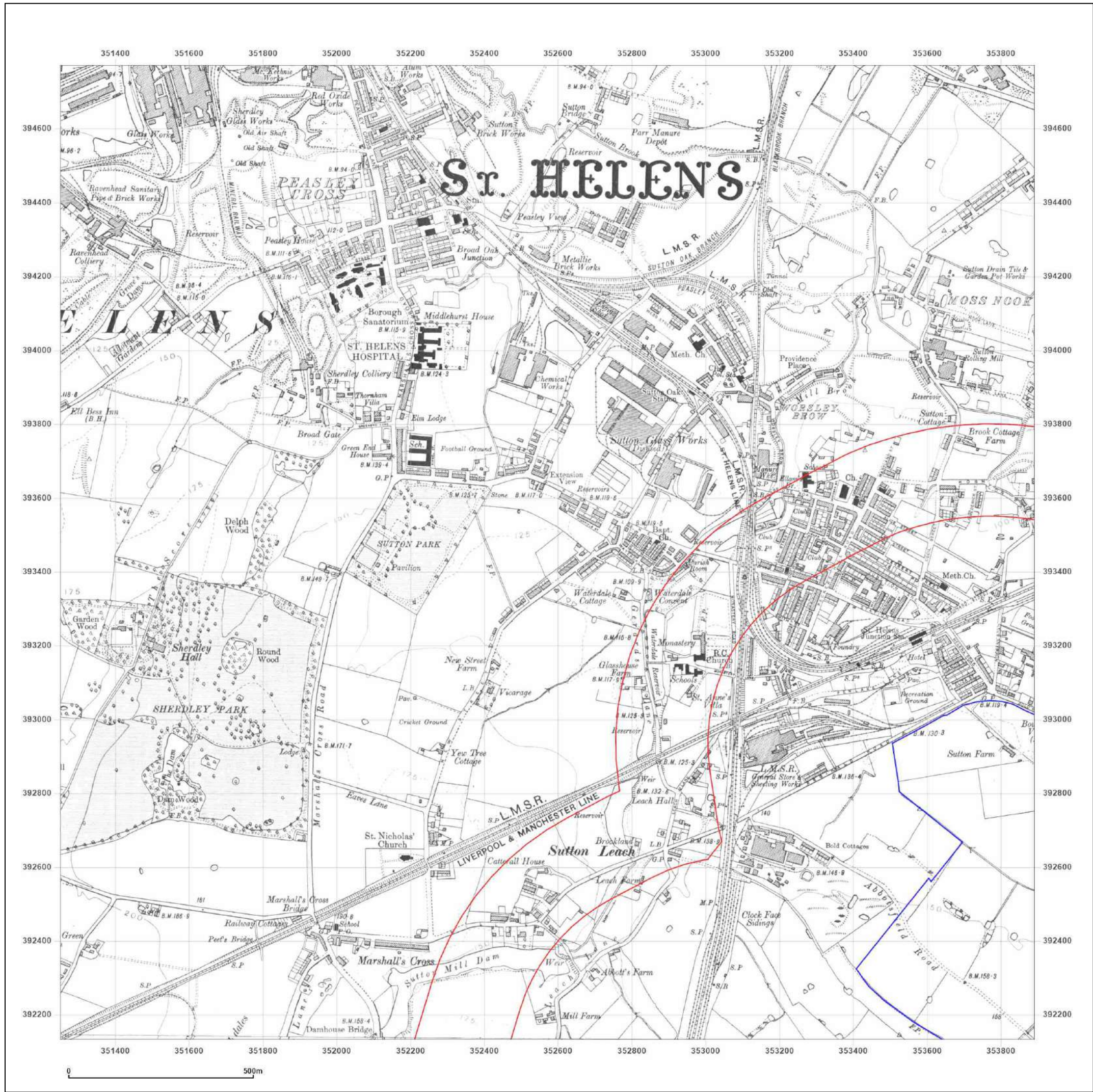


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Site Details:

Bold Garden Village

Client Ref: EMS_984891_1225062
Report Ref: EMS-984891_1248046_SS_1_2
Grid Ref: 352570, 393452

Map Name: County Series

Map date: 1925-1926

Scale: 1:10,560

Printed at: 1:10,560



Surveyed 1847
Revised 1926
Edition N/A
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Levelled N/A

Surveyed 1846
Revised 1925
Edition N/A
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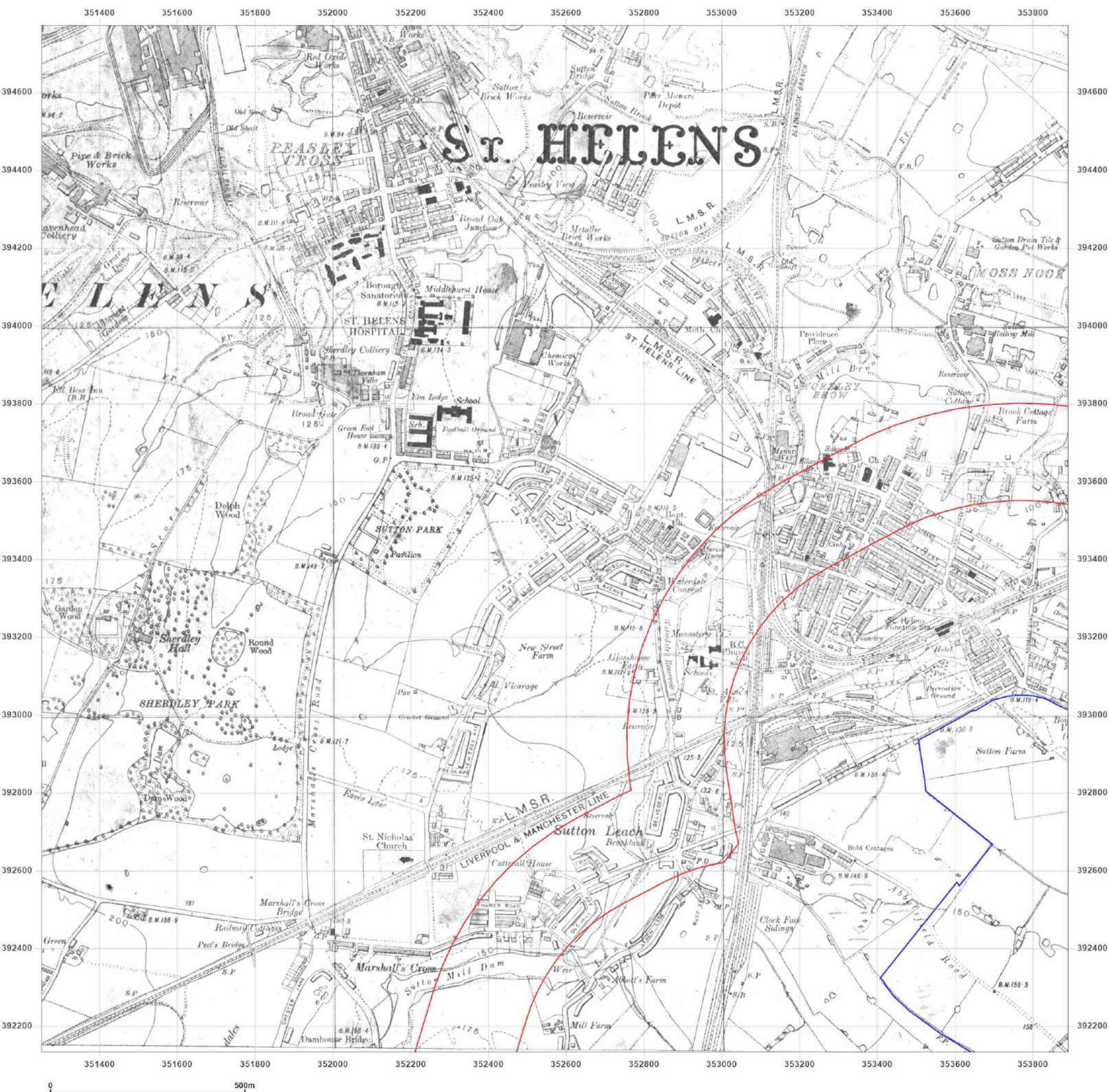


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Site Details:

Bold Garden Village

Client Ref: EMS_984891_1225062
Report Ref: EMS-984891_1248046_SS_1_2
Grid Ref: 352570, 393452

Map Name: County Series

Map date: 1938

Scale: 1:10,560

Printed at: 1:10,560



Surveyed 1847
Revised 1938
Edition N/A
Copyright N/A
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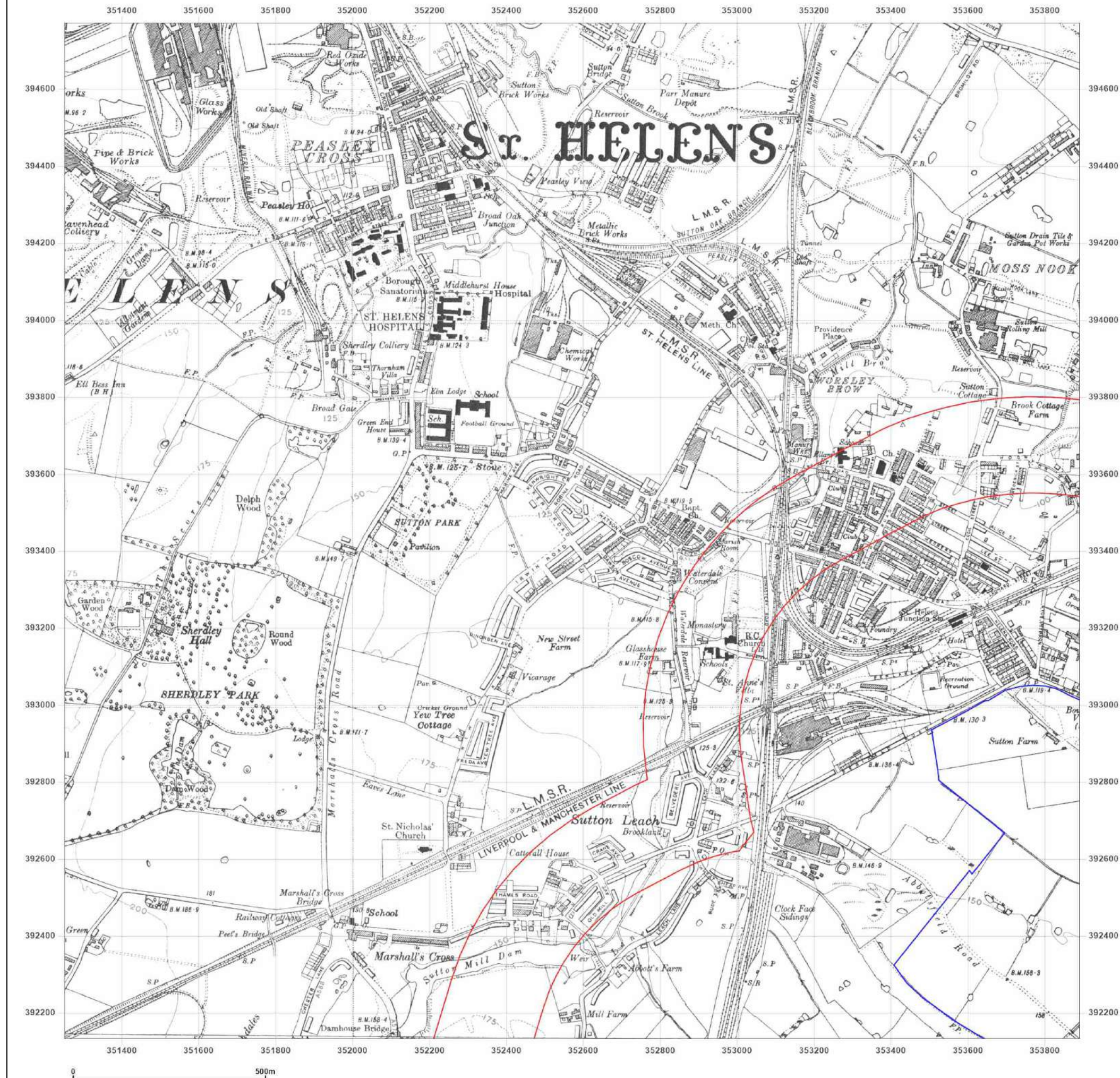


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Site Details:

Bold Garden Village

Client Ref: EMS_984891_1225062
Report Ref: EMS-984891_1248046_SS_1_2
Grid Ref: 352570, 393452

Map Name: County Series

Map date: 1938

Scale: 1:10,560

Printed at: 1:10,560



Surveyed 1847
Revised 1938
Edition 1938
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Surveyed 1846
Revised 1938
Edition N/A
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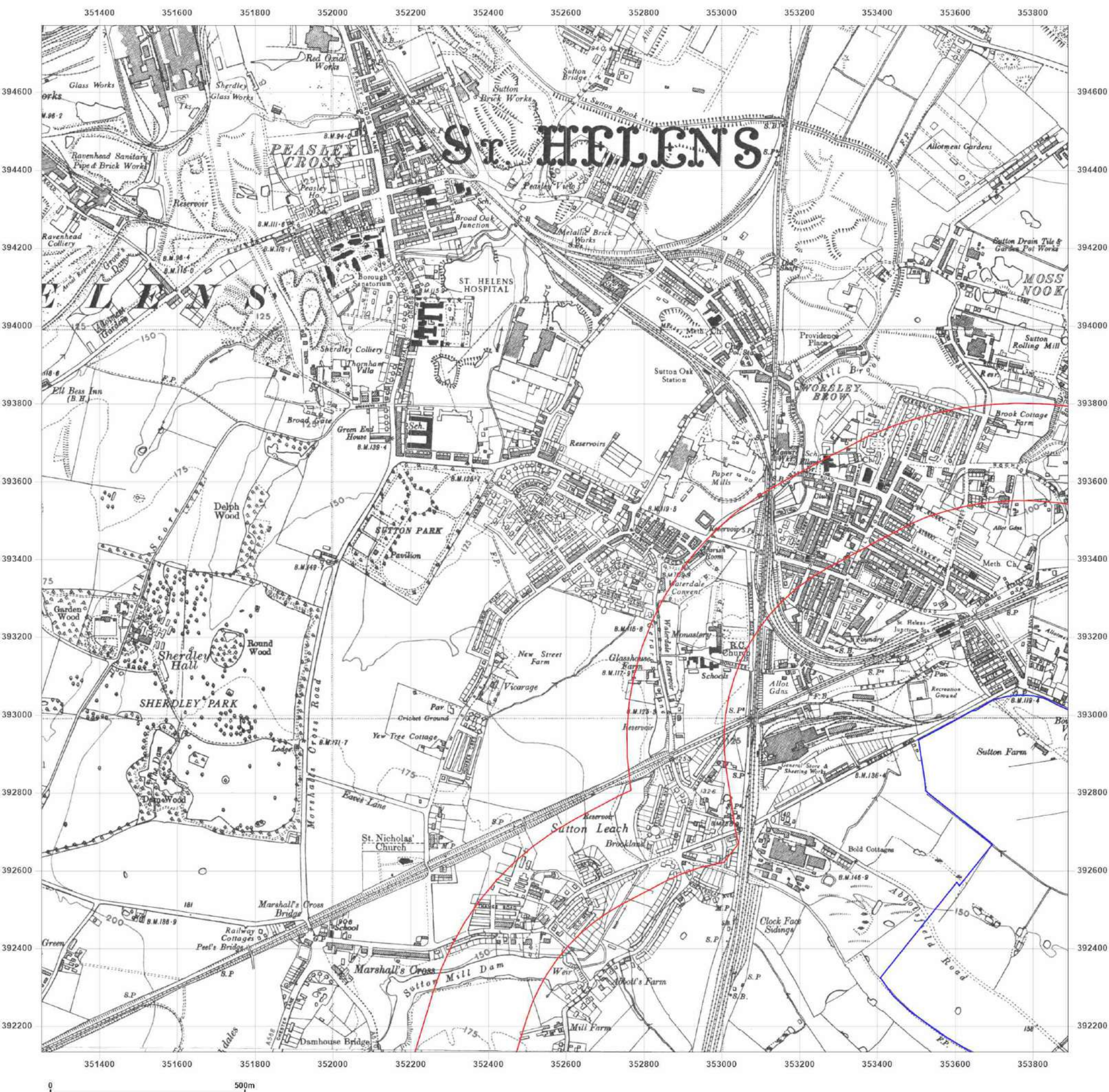


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Site Details:

Bold Garden Village

Client Ref: EMS_984891_1225062
Report Ref: EMS-984891_1248046_SS_1_2
Grid Ref: 352570, 393452

Map Name: County Series

Map date: 1947

Scale: 1:10,560

Printed at: 1:10,560



Surveyed 1847
Revised 1947
Edition N/A
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Levelled N/A

Surveyed 1846
Revised 1947
Edition 1947
Copyright N/A
Levelled N/A



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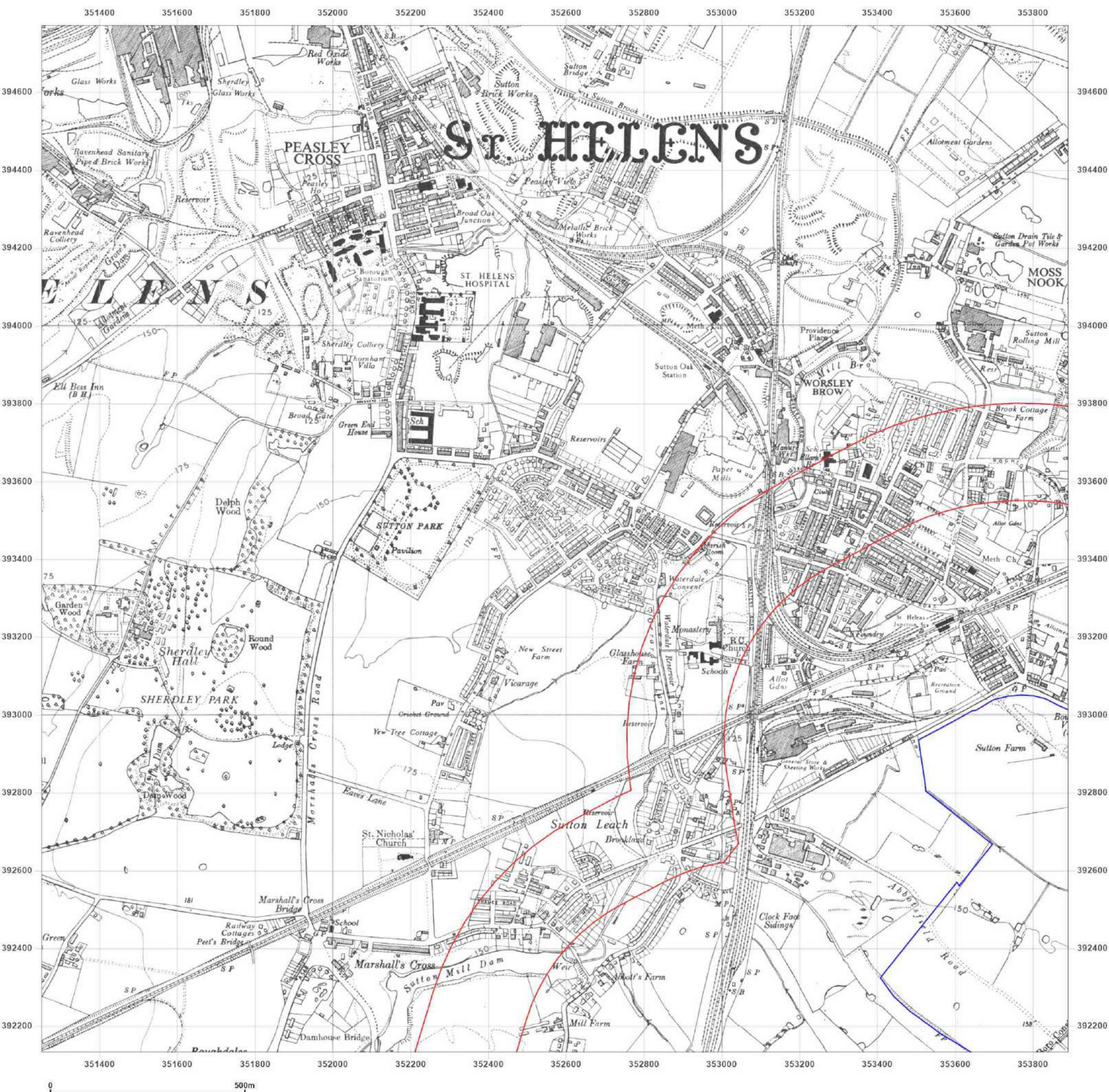


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Site Details:	
Bold Garden Village	
Client Ref:	EMS_984891_1225062
Report Ref:	EMS-984891_1248046_SS_1_2
Grid Ref:	352570, 393452
Map Name:	Provisional
Map date:	1956
Scale:	1:10,560
Printed at:	1:10,560



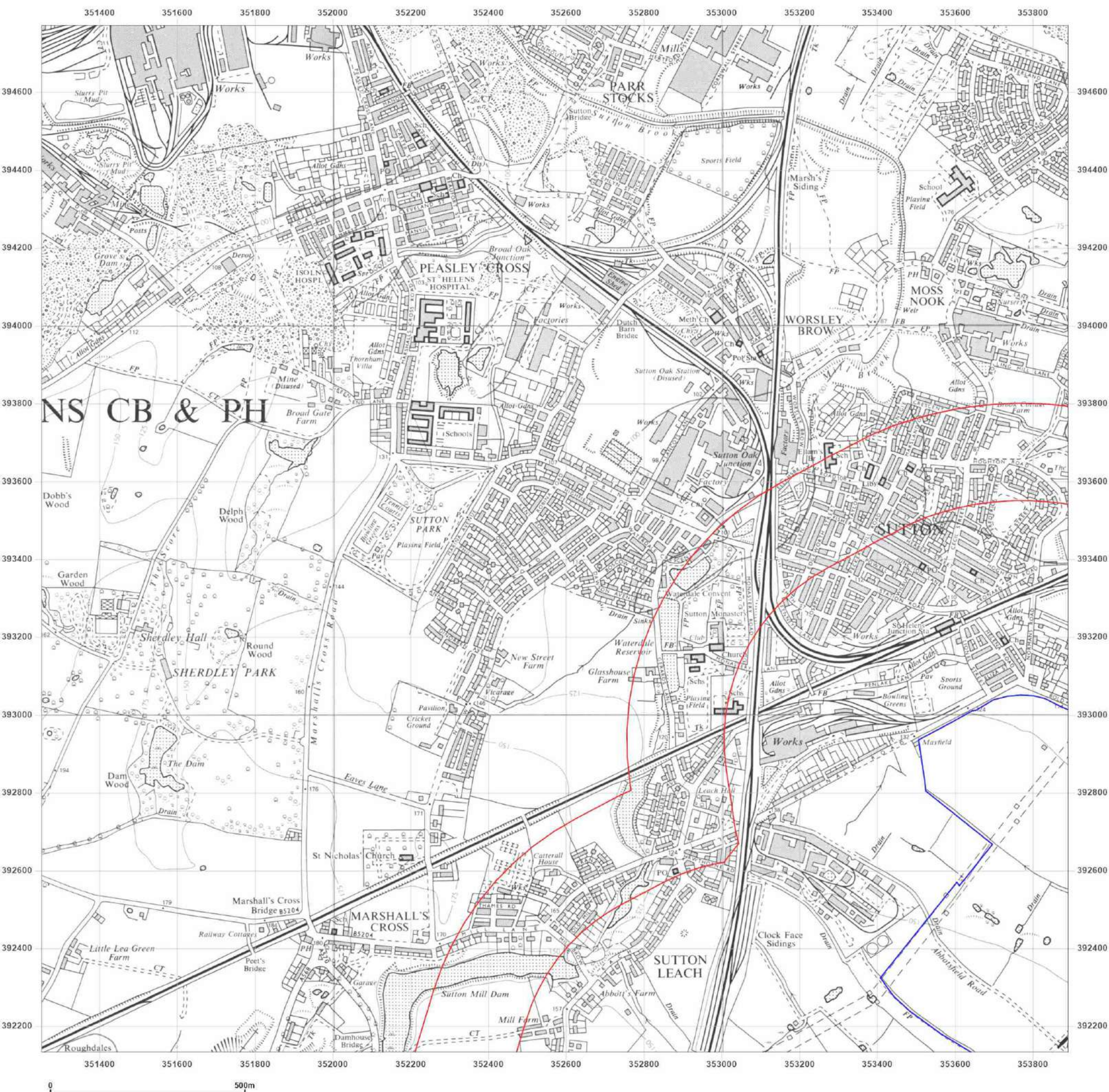
Surveyed N/A
Revised 1955
Edition 1956
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Site Details:	
Bold Garden Village	
Client Ref:	EMS_984891_1225062
Report Ref:	EMS-984891_1248046_SS_1_2
Grid Ref:	352570, 393452
Map Name:	Provisional
Map date:	1965
Scale:	1:10,560
Printed at:	1:10,560



Surveyed 1965
Revised 1965
Edition N/A
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Site Details:

Bold Garden Village

Client Ref: EMS_984891_1225062
Report Ref: EMS-984891_1248046_SS_1_2
Grid Ref: 352570, 393452

Map Name: National Grid

Map date: 1974

Scale: 1:10,000

Printed at: 1:10,000



Surveyed 1972
Revised 1974
Edition N/A
Copyright 1974
Levelled 1964



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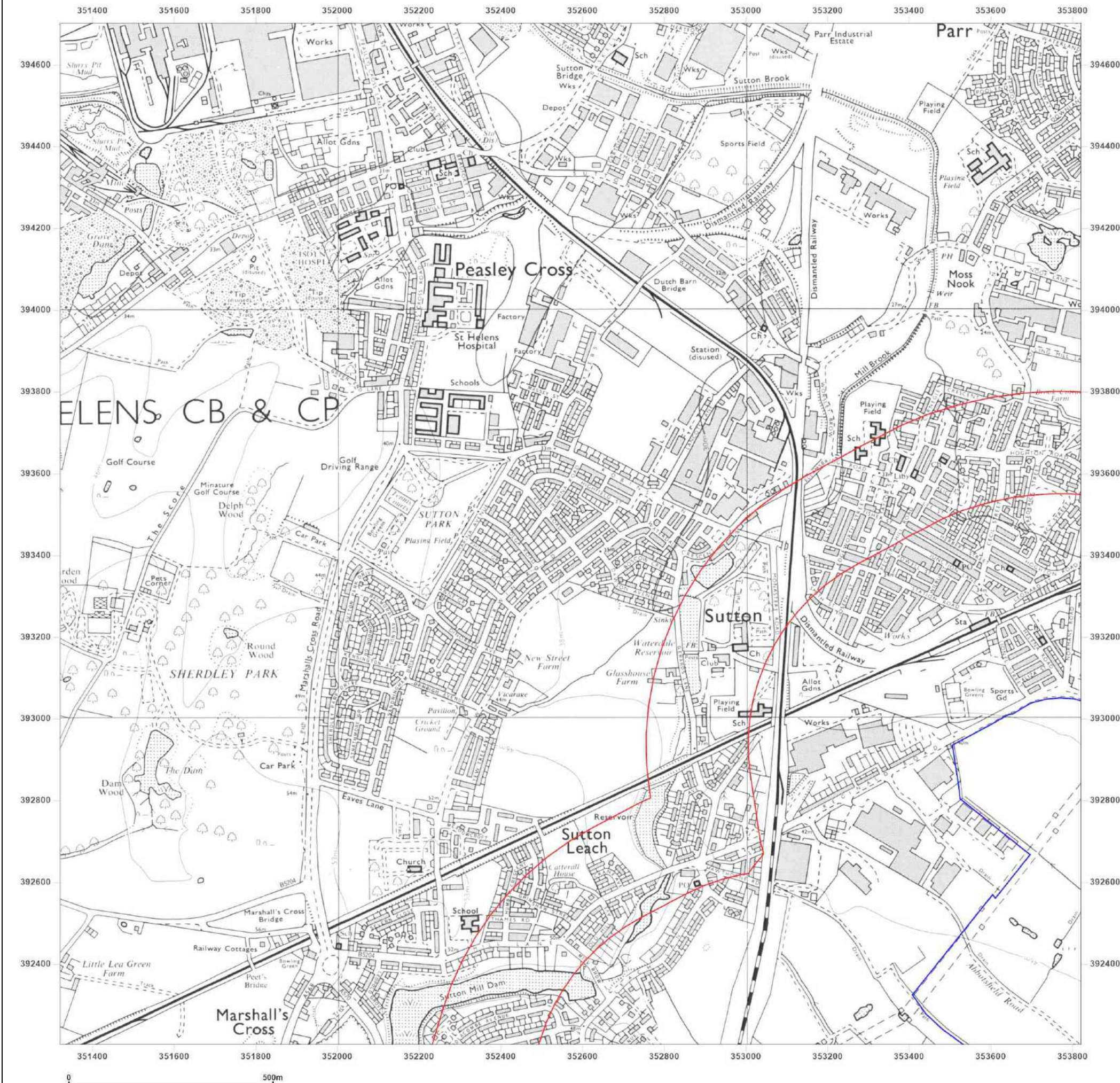


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Site Details:

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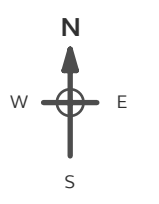
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Report Ref: EMS-984891_1248046_SS_1_2
Grid Ref: 352570, 393452

Map Name: National Grid

Map date: 1981

Scale: 1:10,000

Printed at: 1:10,000



Surveyed 1980
Revised 1981
Edition N/A
Copyright N/A
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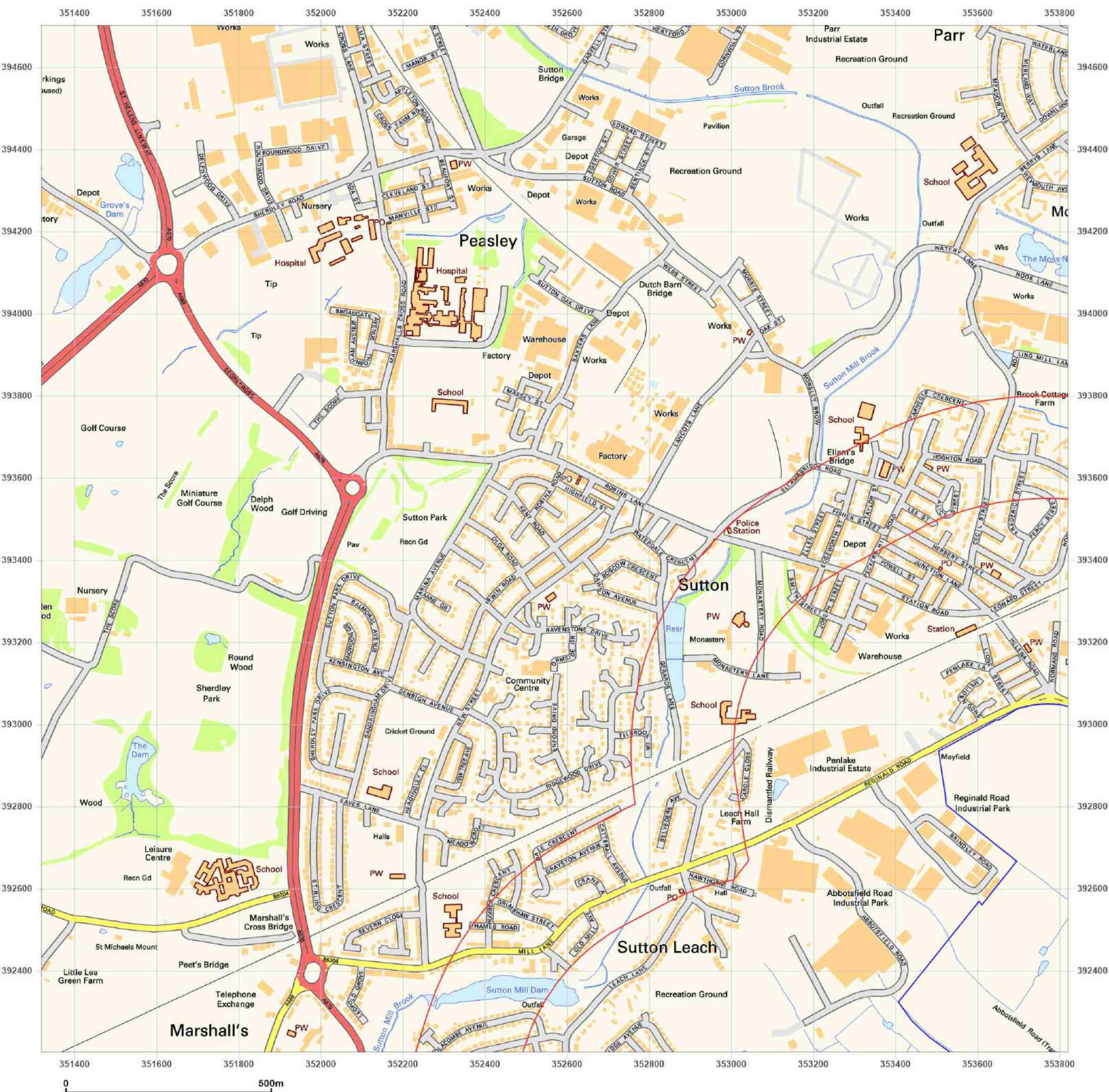


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Site Details:

Bold Garden Village

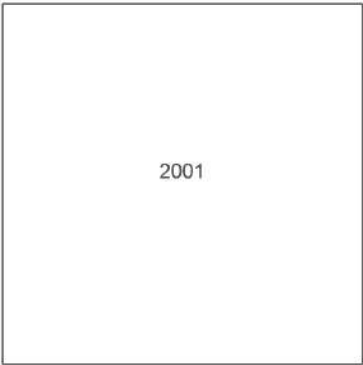
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Report Ref: EMS-984891_1248046_SS_1_2
Grid Ref: 352570, 393452

Map Name: National Grid

Map date: 2001

Scale: 1:10,000

Printed at: 1:10,000



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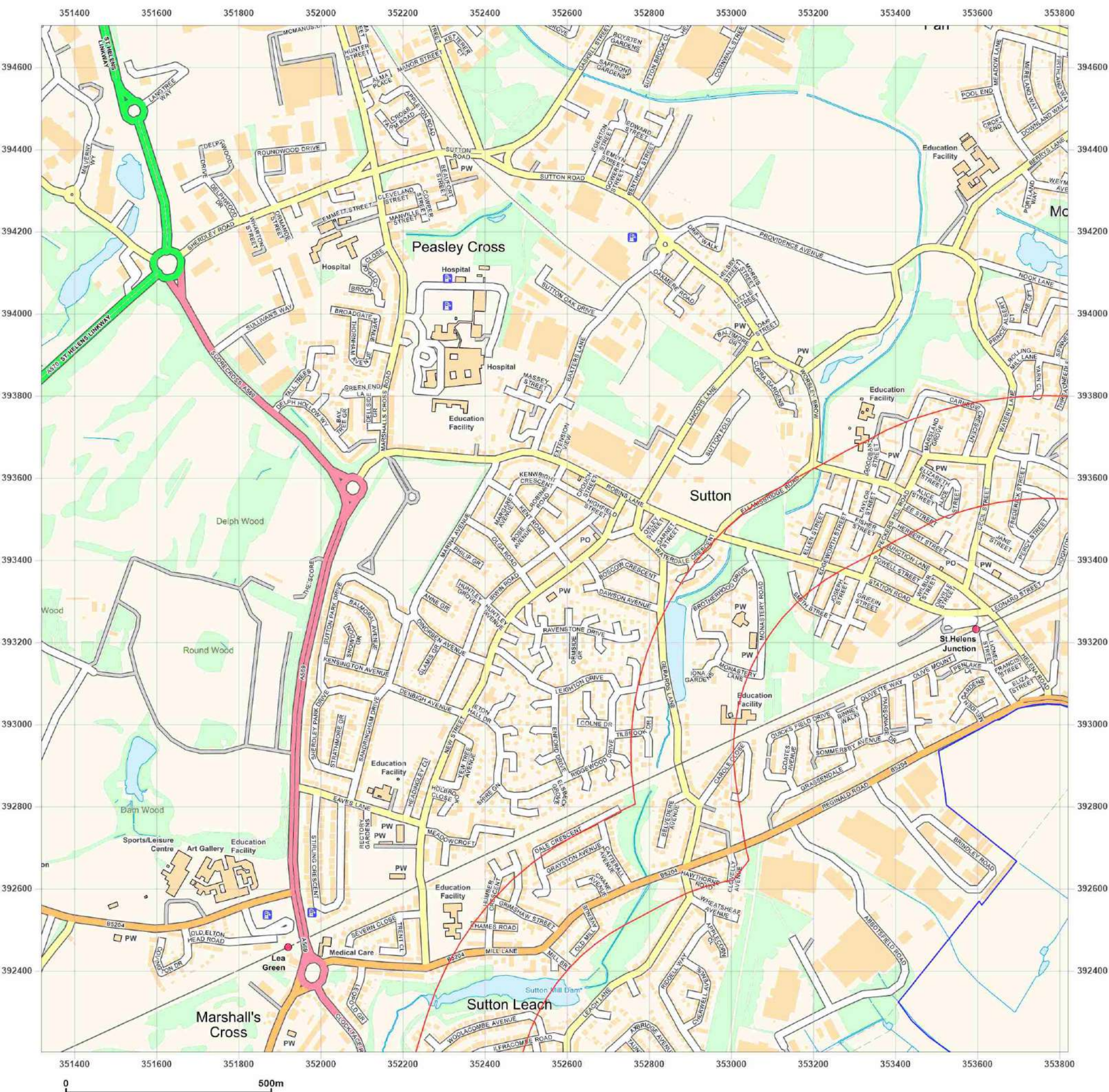


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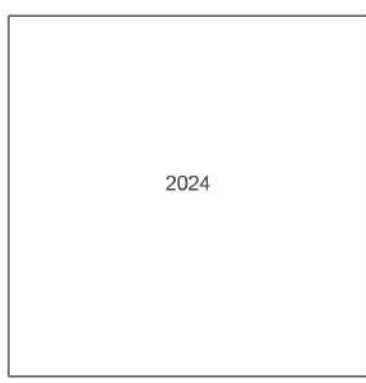
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Report Ref: EMS-984891_1248046_SS_1_2
Grid Ref: 352570, 393452

Map Name: National Grid

Map date: 2024

Scale: 1:10,000

Printed at: 1:10,000



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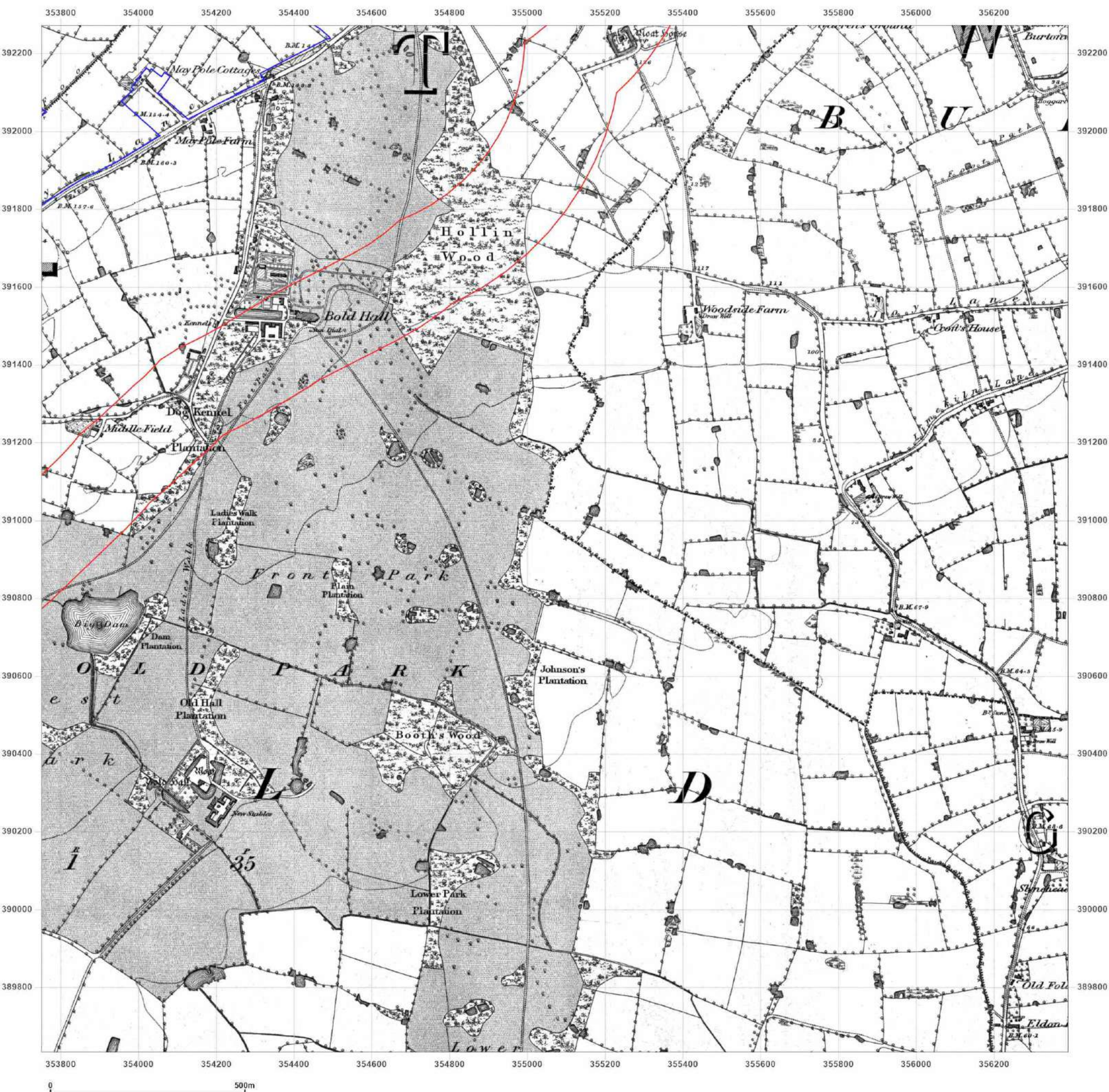


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Site Details:	
Bold Garden Village	
Client Ref:	EMS_984891_1225062
Report Ref:	EMS-984891_1248046_SS_2_1
Grid Ref:	355070, 390952
Map Name:	County Series
Map date:	1849
Scale:	1:10,560
Printed at:	1:10,560



Surveyed N/A
Revised N/A
Edition 1849
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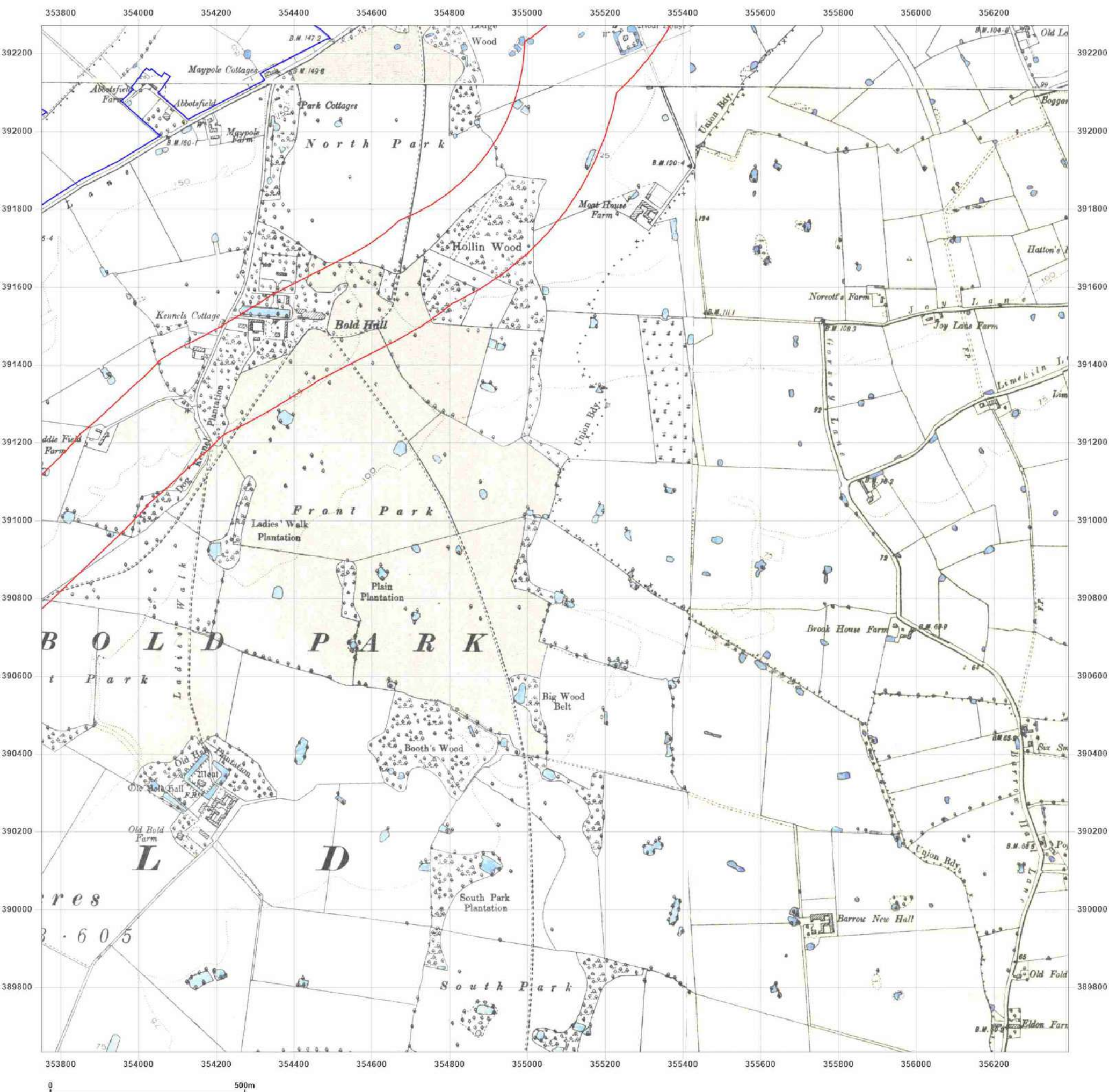


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Site Details:

Bold Garden Village

Client Ref: EMS_984891_1225062
Report Ref: EMS-984891_1248046_SS_2_1
Grid Ref: 355070, 390952

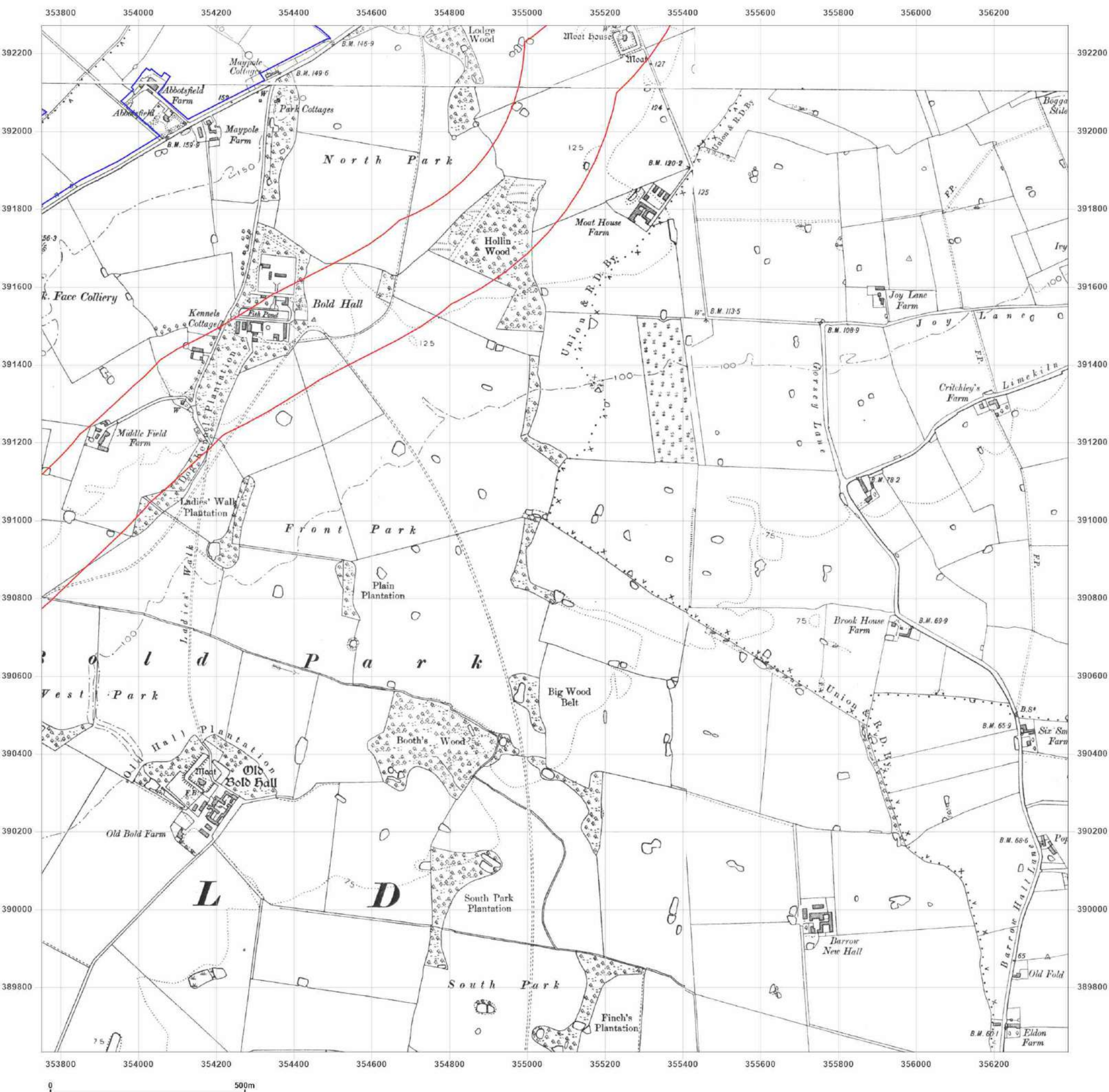
Map Name: County Series
Map date: 1891-1892
Scale: 1:10,560
Printed at: 1:10,560

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Surveyed 1892 Revised 1892 Edition N/A Copyright N/A Levelled N/A	Surveyed 1891 Revised 1891 Edition N/A Copyright N/A Levelled N/A
Surveyed 1891 Revised 1891 Edition N/A Copyright N/A Levelled N/A	Surveyed 1891 Revised 1891 Edition N/A Copyright N/A Levelled N/A

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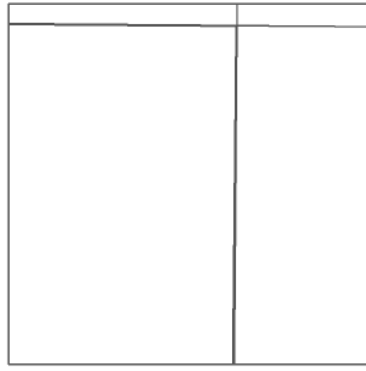
Site Details:
Bold Garden Village

Client Ref: EMS_984891_1225062
Report Ref: EMS-984891_1248046_SS_2_1
Grid Ref: 355070, 390952

Map Name: County Series
Map date: 1905-1906
Scale: 1:10,560
Printed at: 1:10,560



Surveyed 1847
Revised 1906
Edition N/A
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Surveyed 1891
Revised 1906
Edition N/A
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Surveyed 1891
Revised 1905
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Site Details:

Bold Garden Village

Client Ref: EMS_984891_1225062
Report Ref: EMS-984891_1248046_SS_2_1
Grid Ref: 355070, 390952

Map Name: County Series

Map date: 1925-1926

Scale: 1:10,560

Printed at: 1:10,560

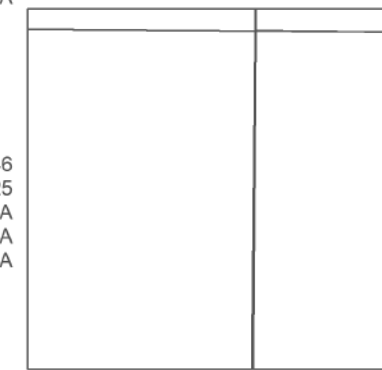


Surveyed 1847
Revised 1926
Edition N/A
Copyright N/A
Levelled N/A

Surveyed 1847
Revised 1926
Edition N/A
Copyright N/A
Levelled N/A

Surveyed 1846
Revised 1925
Edition N/A
Copyright N/A
Levelled N/A

Surveyed 1847
Revised 1926
Edition N/A
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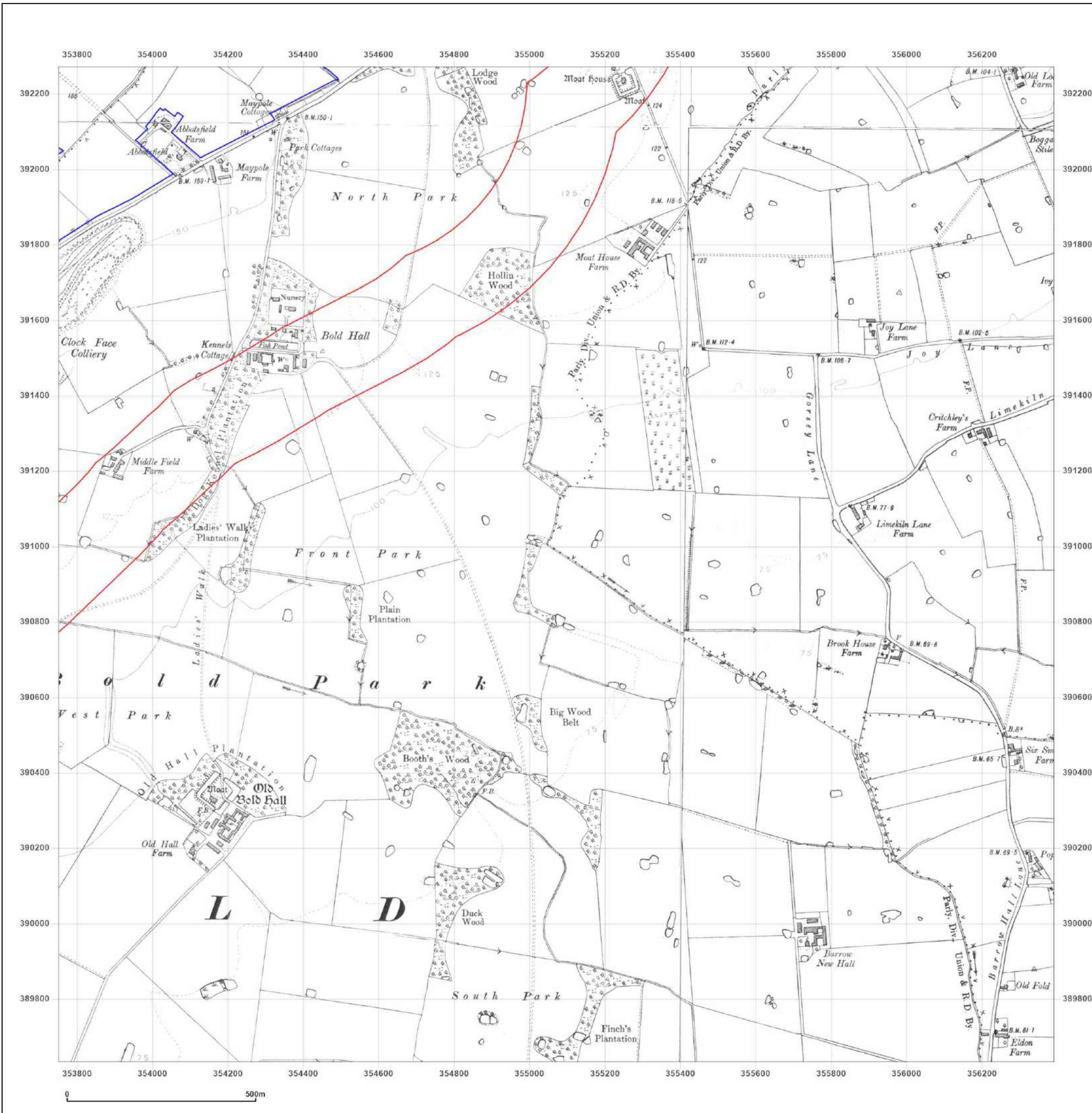


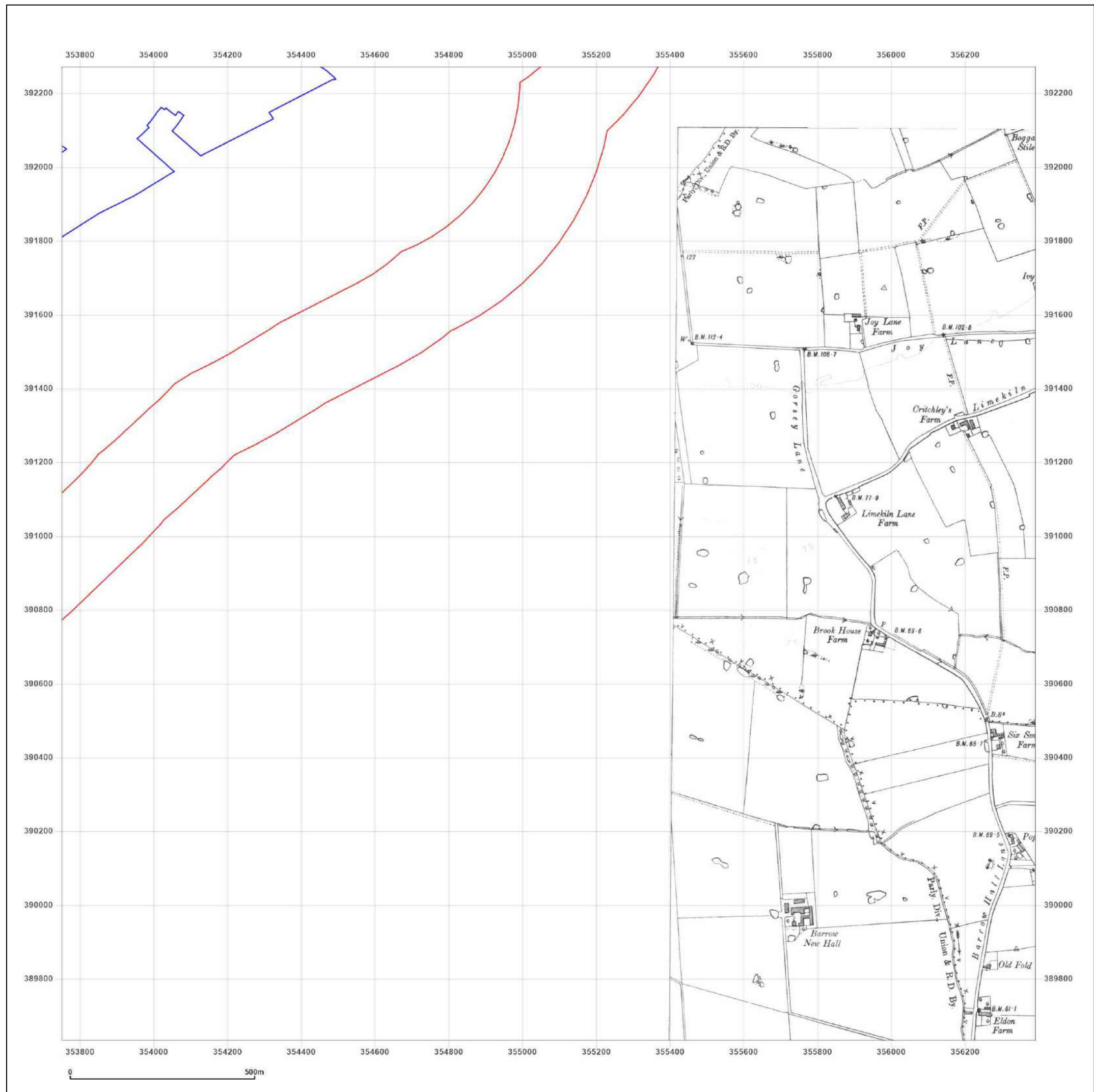
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Site Details:

Bold Garden Village

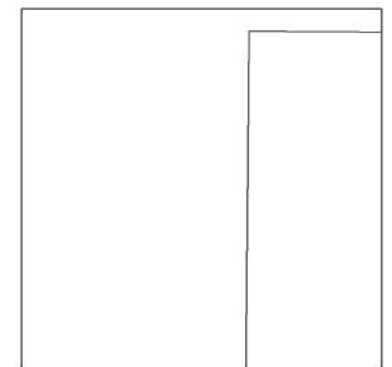
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Report Ref: EMS-984891_1248046_SS_2_1
Grid Ref: 355070, 390952

Map Name: County Series

Map date: 1926

Scale: 1:10,560

Printed at: 1:10,560



Surveyed 1847
Revised 1926
Edition N/A
Copyright N/A
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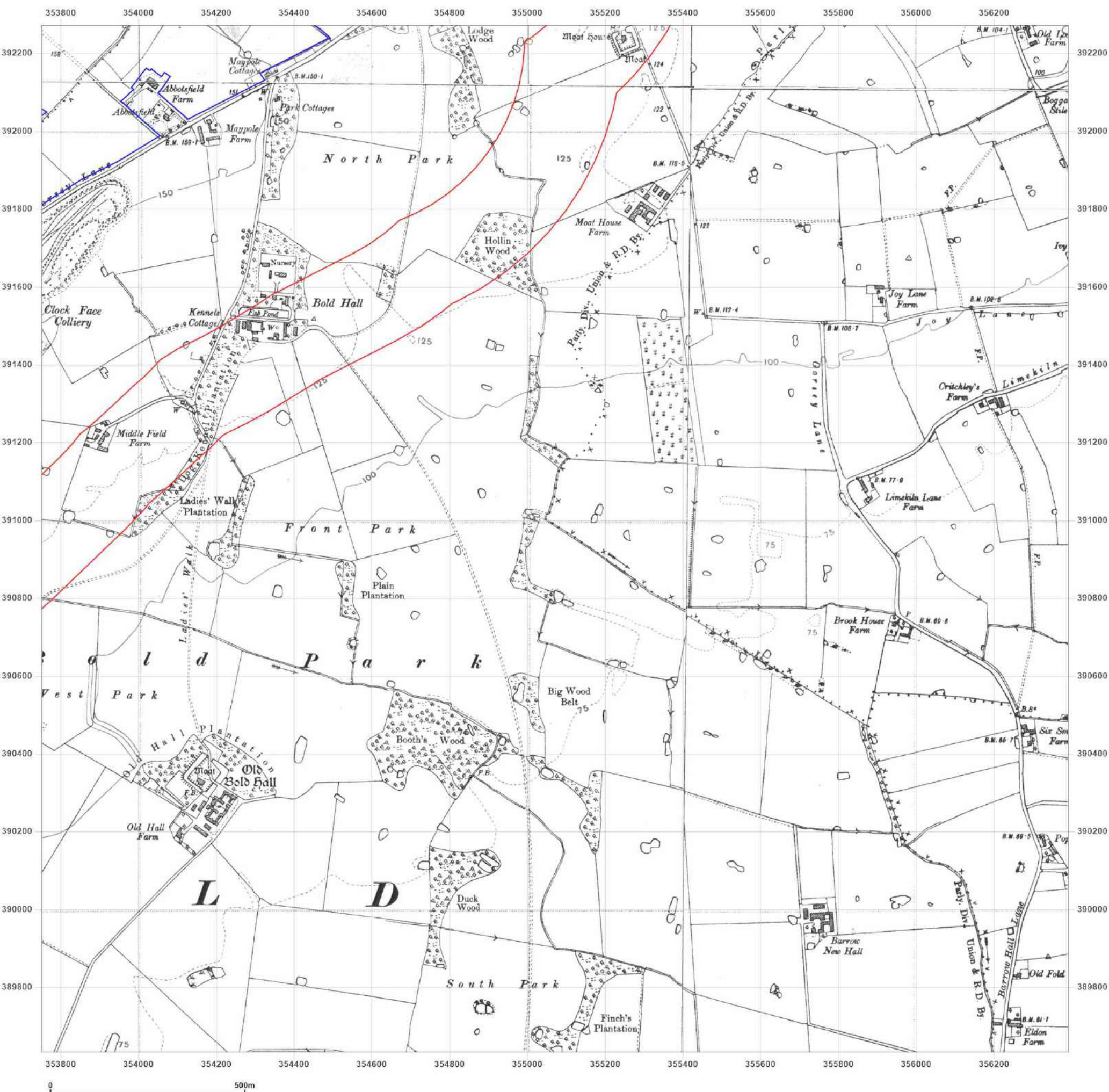


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Production date: 14 November 2024

Map legend available at:
www.groundsure.com/sites/default/files/groundsure_legend.pdf



Site Details:
Bold Garden Village

Client Ref: EMS_984891_1225062
Report Ref: EMS-984891_1248046_SS_2_1
Grid Ref: 355070, 390952

Map Name: County Series

Map date: 1938

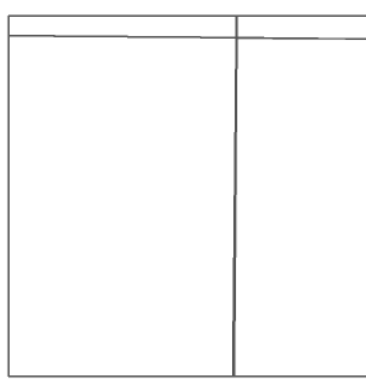
Scale: 1:10,560

Printed at: 1:10,560



Surveyed 1847
Revised 1938
Edition N/A
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Surveyed 1846
Revised 1938
Edition N/A
Copyright N/A
Levelled 1926



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Edition N/A
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Site Details:

Bold Garden Village

Client Ref: EMS_984891_1225062
Report Ref: EMS-984891_1248046_SS_2_1
Grid Ref: 355070, 390952

Map Name: County Series

Map date: 1947-1949

Scale: 1:10,560

Printed at: 1:10,560



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Revised 1947
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Surveyed 1846
Revised 1947
Edition N/A
Copyright N/A
Levelled N/A

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Revised 1947
Edition 1947
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Surveyed 1847
Revised 1949
Edition N/A
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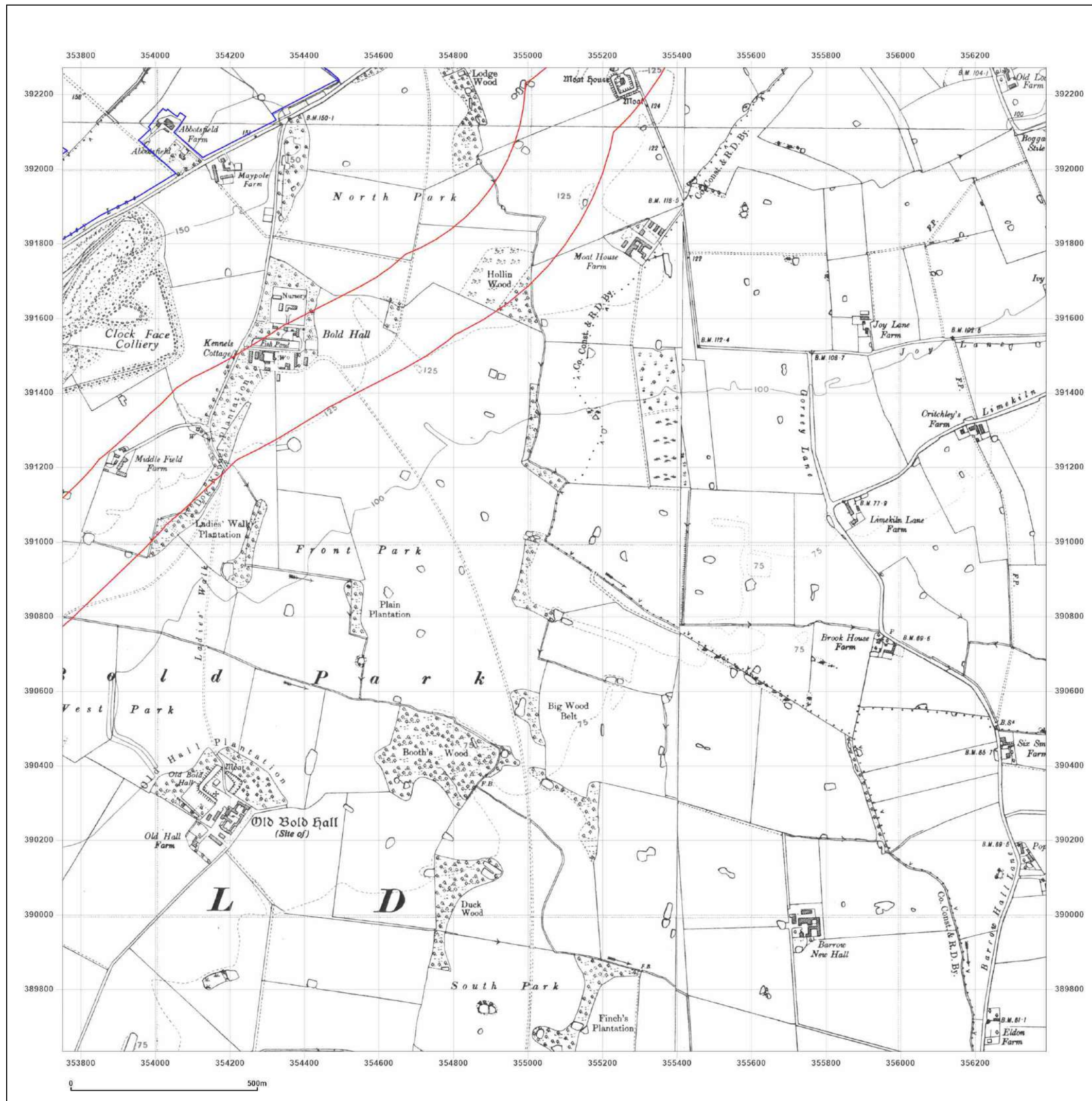


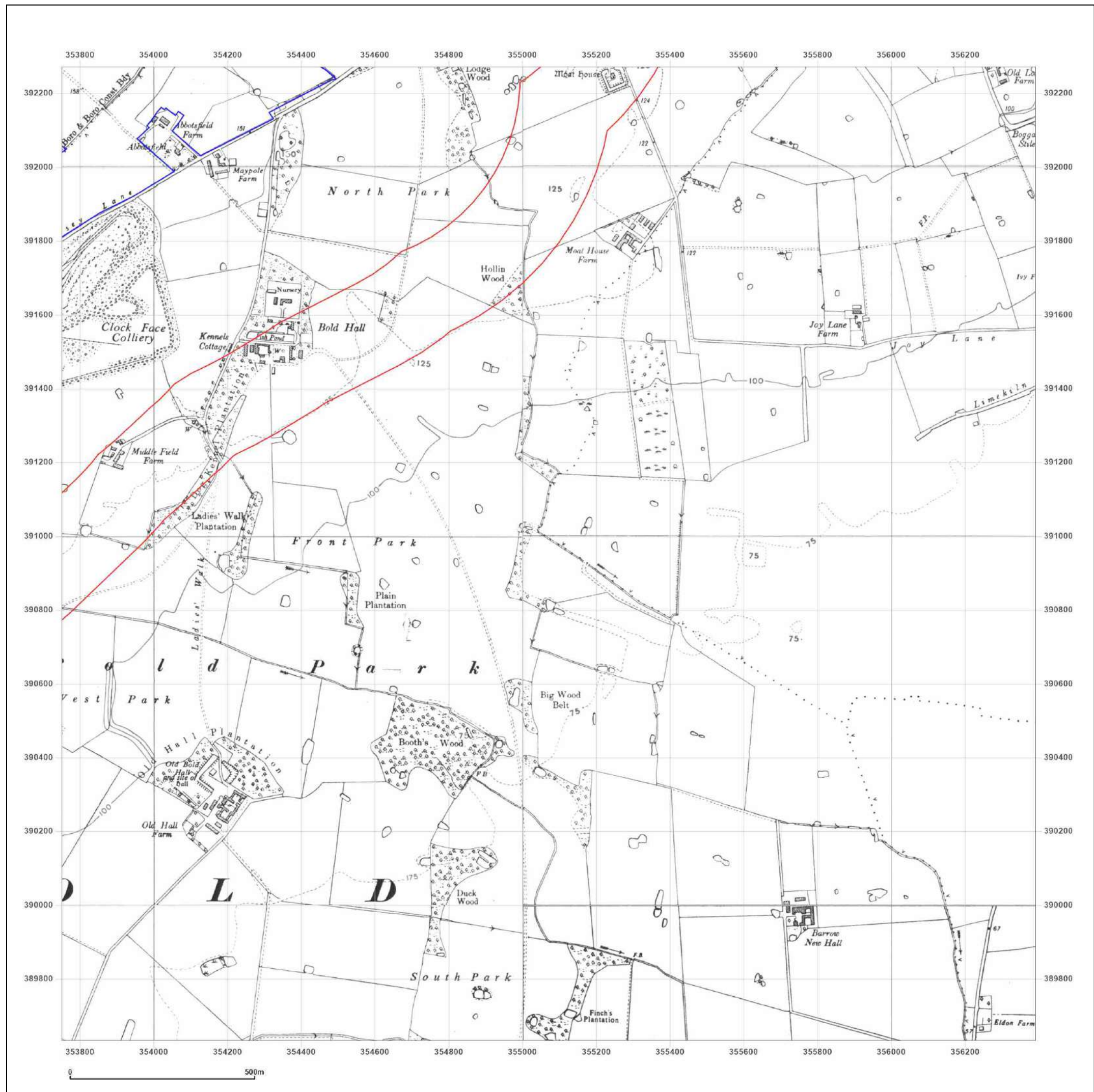
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Site Details:

Bold Garden Village

Client Ref: EMS_984891_1225062
Report Ref: EMS-984891_1248046_SS_2_1
Grid Ref: 355070, 390952

Map Name: Provisional
Map date: 1954-1956
Scale: 1:10,560
Printed at: 1:10,560

Surveyed N/A Revised 1955 Edition 1956 Copyright N/A Levelled N/A	Surveyed 1949 Revised 1955 Edition N/A Copyright 1956 Levelled N/A
Surveyed 1949 Revised 1955 Edition 1956 Copyright N/A Levelled N/A	Surveyed 1949 Revised 1953 Edition 1954 Copyright N/A Levelled N/A

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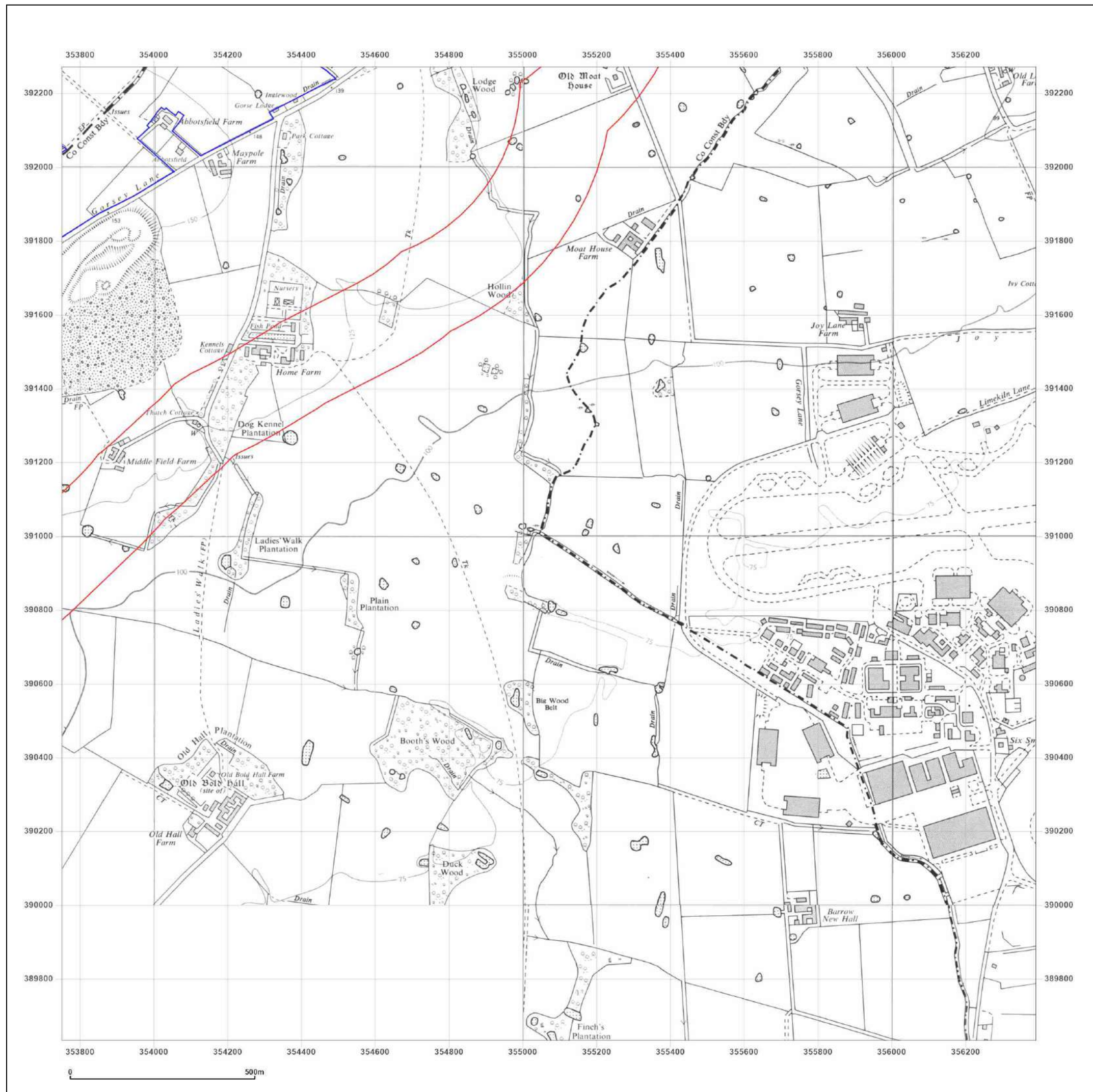
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Site Details:

Bold Garden Village

Client Ref: EMS_984891_1225062
Report Ref: EMS-984891_1248046_SS_2_1
Grid Ref: 355070, 390952

Map Name: Provisional

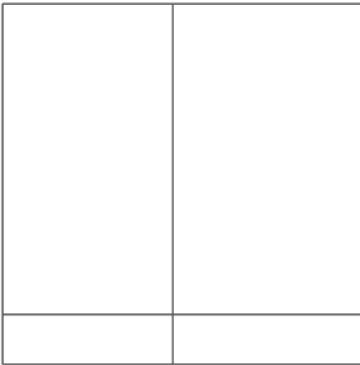
Map date: 1965-1970

Scale: 1:10,560

Printed at: 1:10,560



Surveyed 1965
Revised 1965
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Revised 1965
Edition N/A
Copyright N/A
Levelled N/A

Surveyed 1968
Revised 1970
Edition N/A
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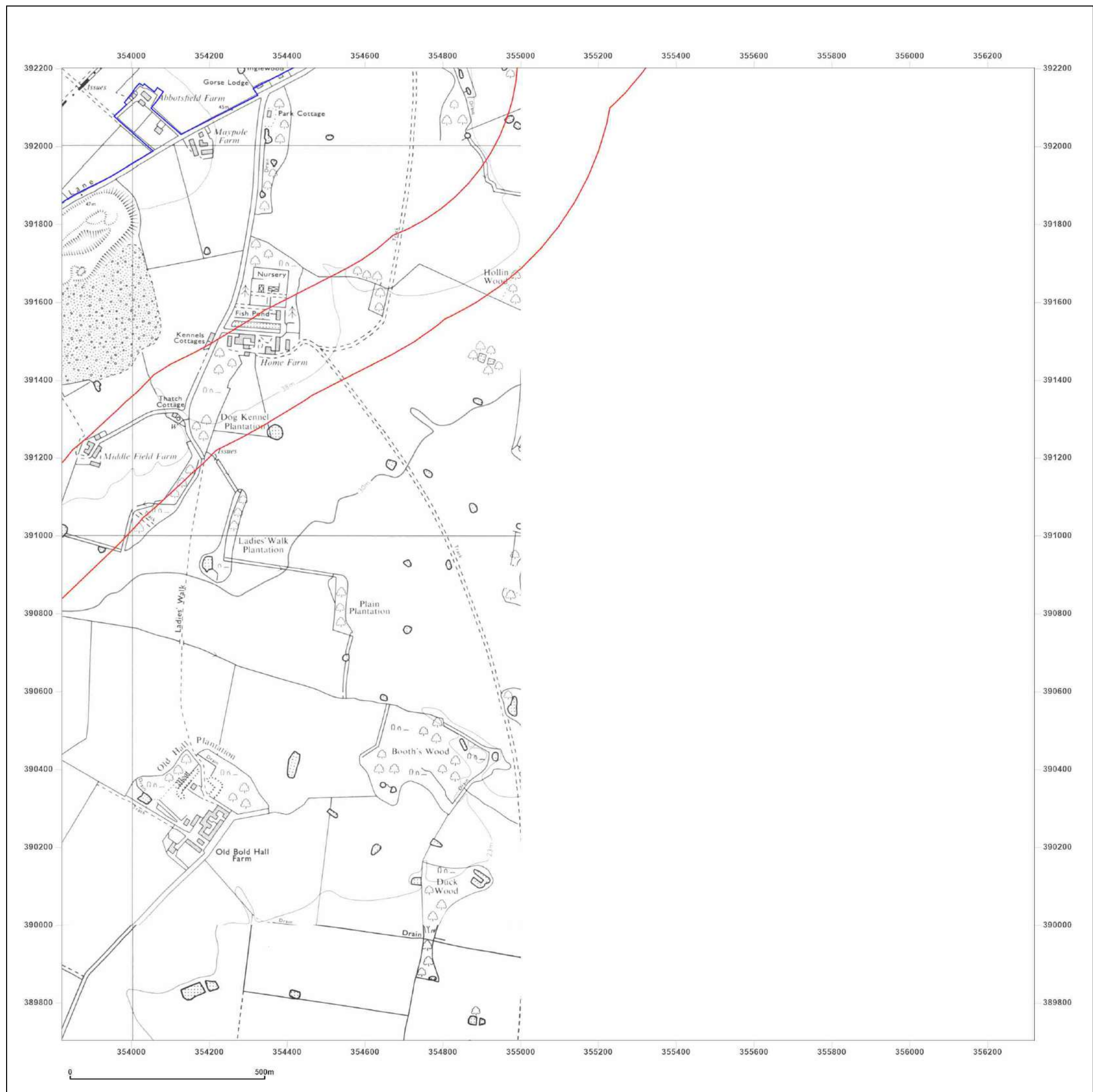


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Site Details:

Bold Garden Village

Client Ref: EMS_984891_1225062
Report Ref: EMS-984891_1248046_SS_2_1
Grid Ref: 355070, 390952

Map Name: National Grid

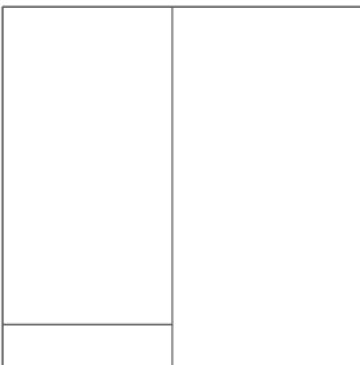
Map date: 1969-1974

Scale: 1:10,000

Printed at: 1:10,000



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Surveyed 1969
Revised 1969
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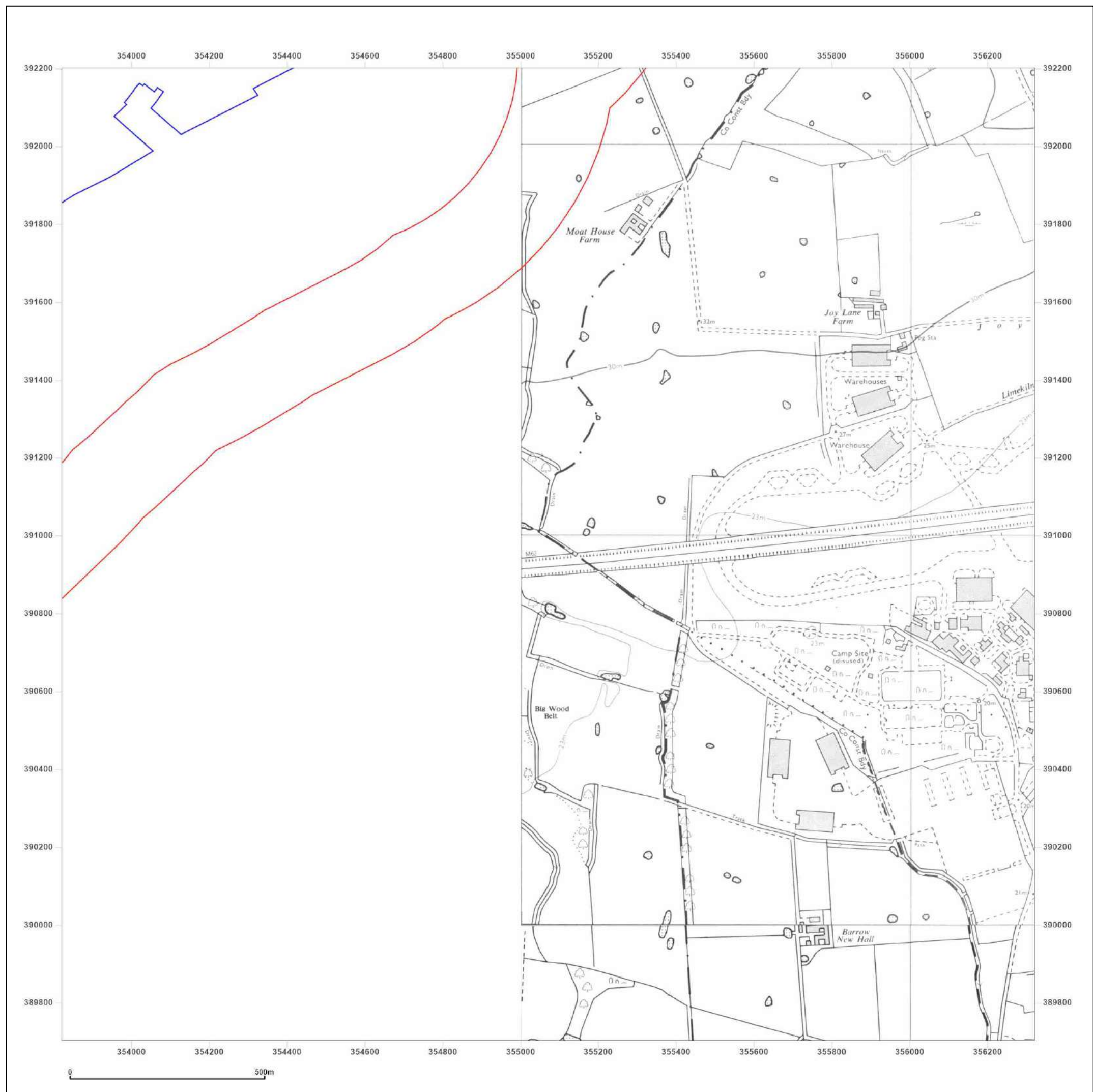


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Site Details:

Bold Garden Village

Client Ref: EMS_984891_1225062
Report Ref: EMS-984891_1248046_SS_2_1
Grid Ref: 355070, 390952

Map Name: National Grid

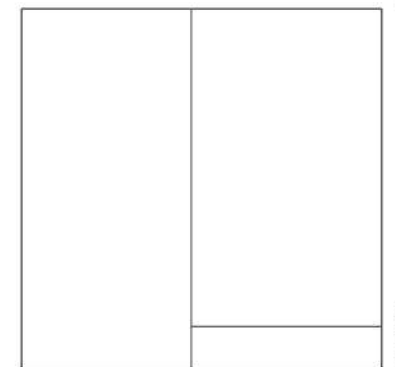
Map date: 1975-1978

Scale: 1:10,000

Printed at: 1:10,000



Surveyed 1975
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Levelled 1973



Surveyed 1973
Revised 1975
Edition N/A
Copyright 1975
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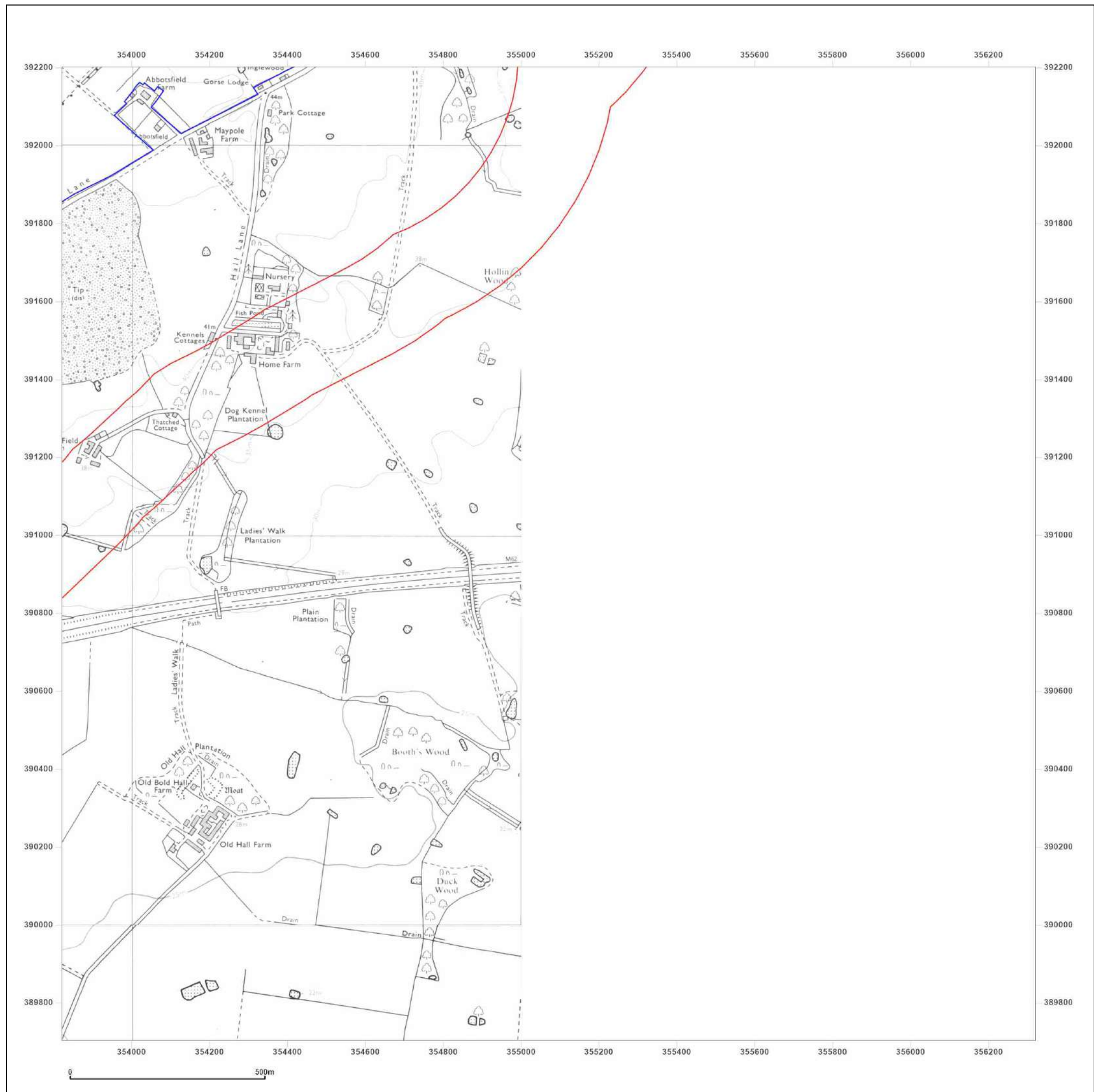


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Site Details:

Bold Garden Village

Client Ref: EMS_984891_1225062
Report Ref: EMS-984891_1248046_SS_2_1
Grid Ref: 355070, 390952

Map Name: National Grid

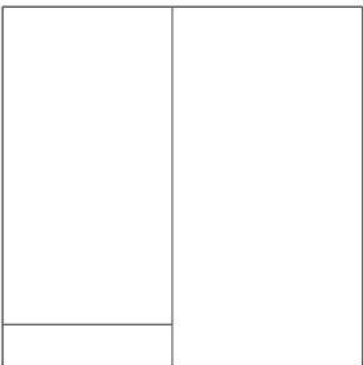
Map date: 1981-1985

Scale: 1:10,000

Printed at: 1:10,000



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Revised 1985
Edition N/A
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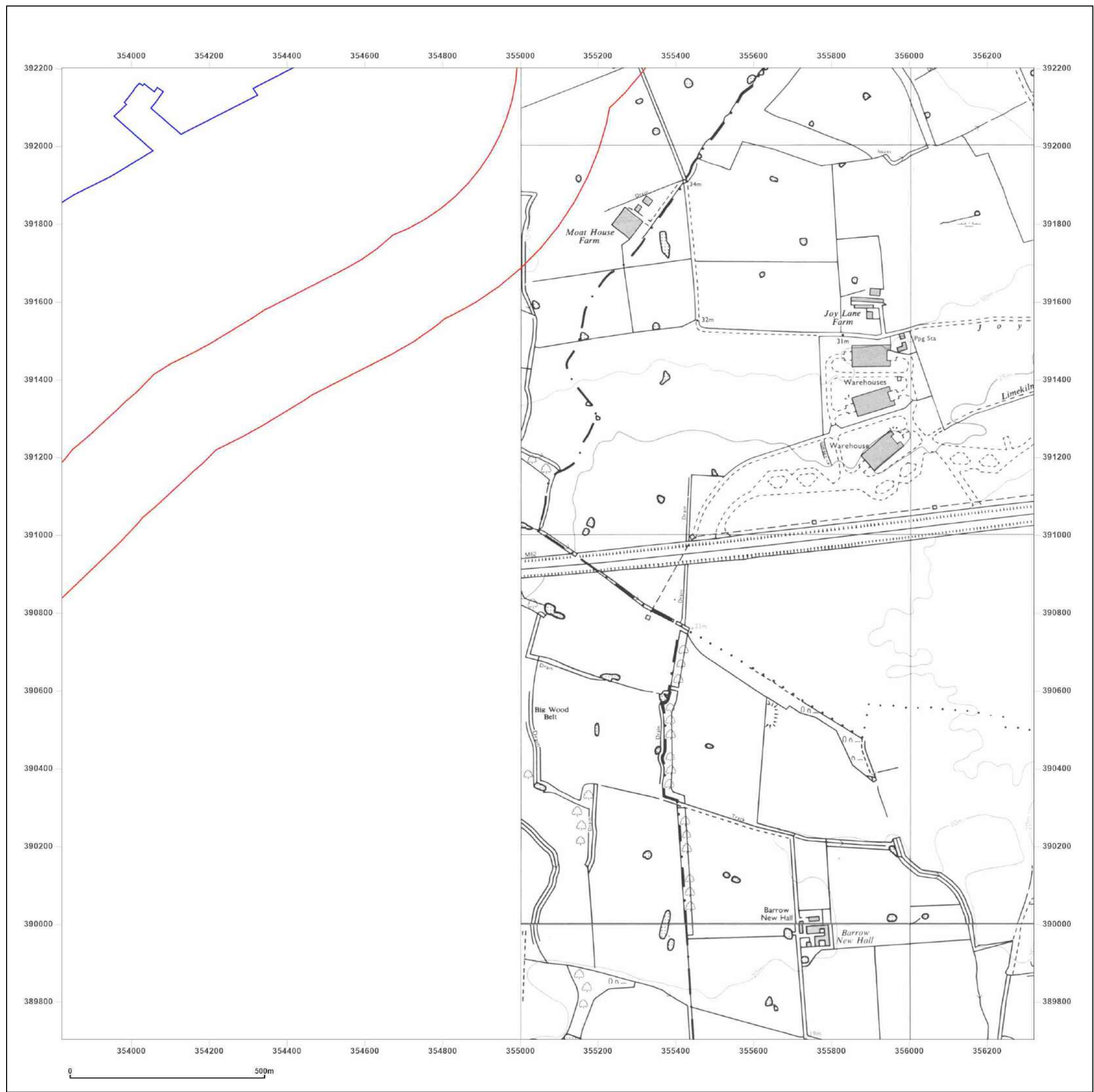


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Site Details:

Bold Garden Village

Client Ref: EMS_984891_1225062
Report Ref: EMS-984891_1248046_SS_2_1
Grid Ref: 355070, 390952

Map Name: National Grid

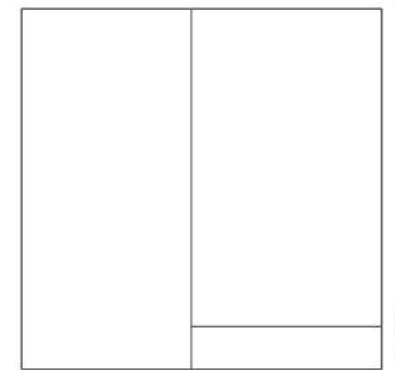
Map date: 1987-1989

Scale: 1:10,000

Printed at: 1:10,000



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Surveyed 1987
Revised 1987
Edition N/A
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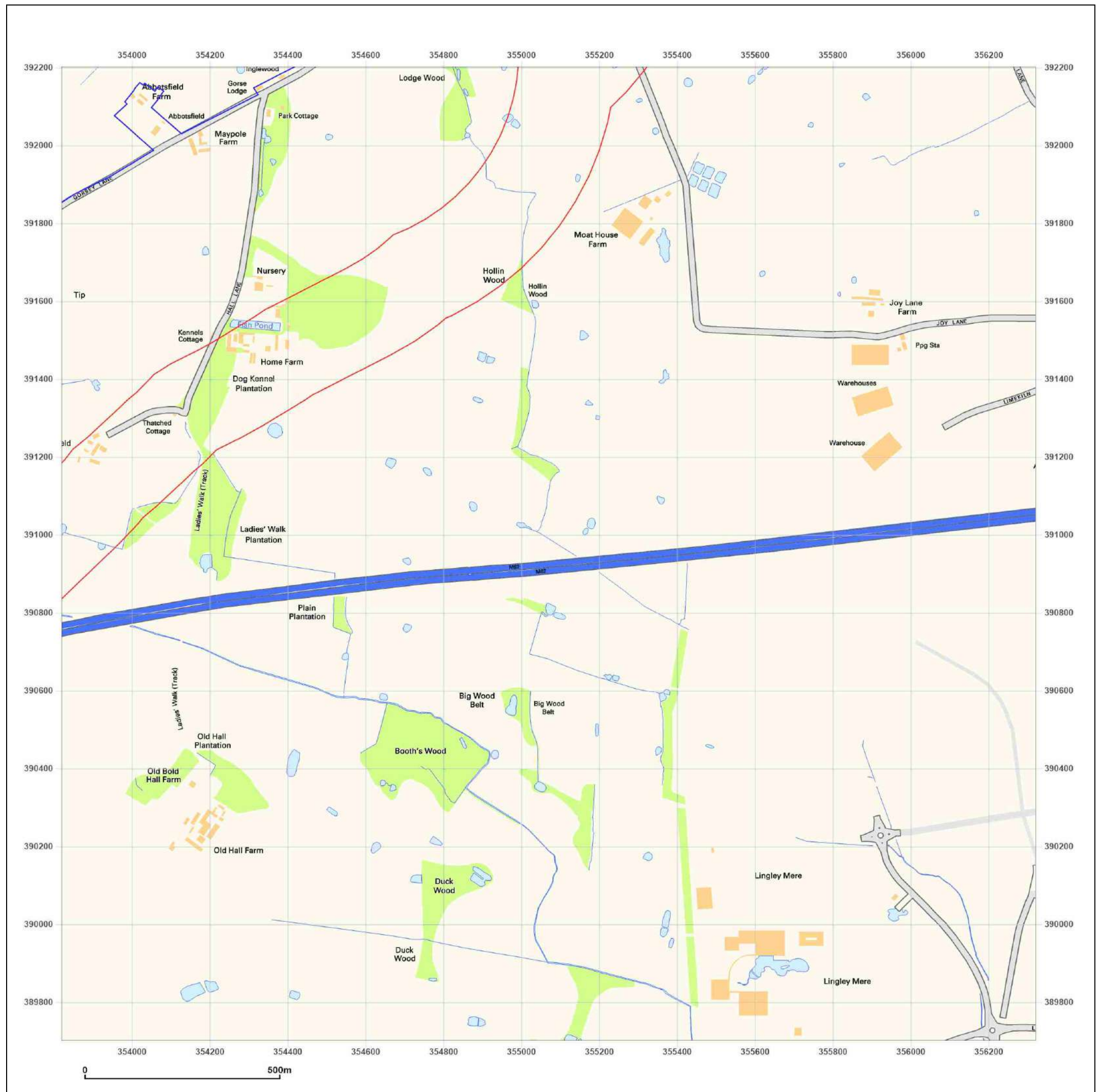


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Site Details:

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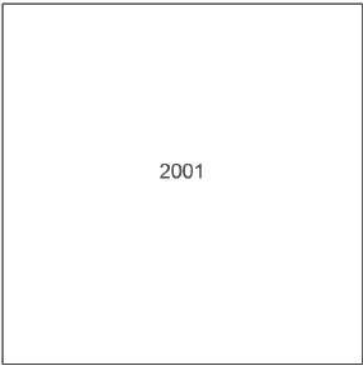
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Report Ref: EMS-984891_1248046_SS_2_1
Grid Ref: 355070, 390952

Map Name: National Grid

Map date: 2001

Scale: 1:10,000

Printed at: 1:10,000



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Site Details:

Bold Garden Village

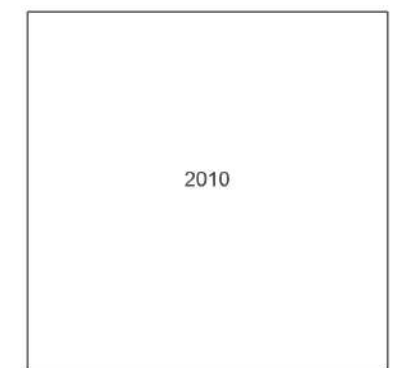
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Report Ref: EMS-984891_1248046_SS_2_1
Grid Ref: 355070, 390952

Map Name: National Grid

Map date: 2010

Scale: 1:10,000

Printed at: 1:10,000



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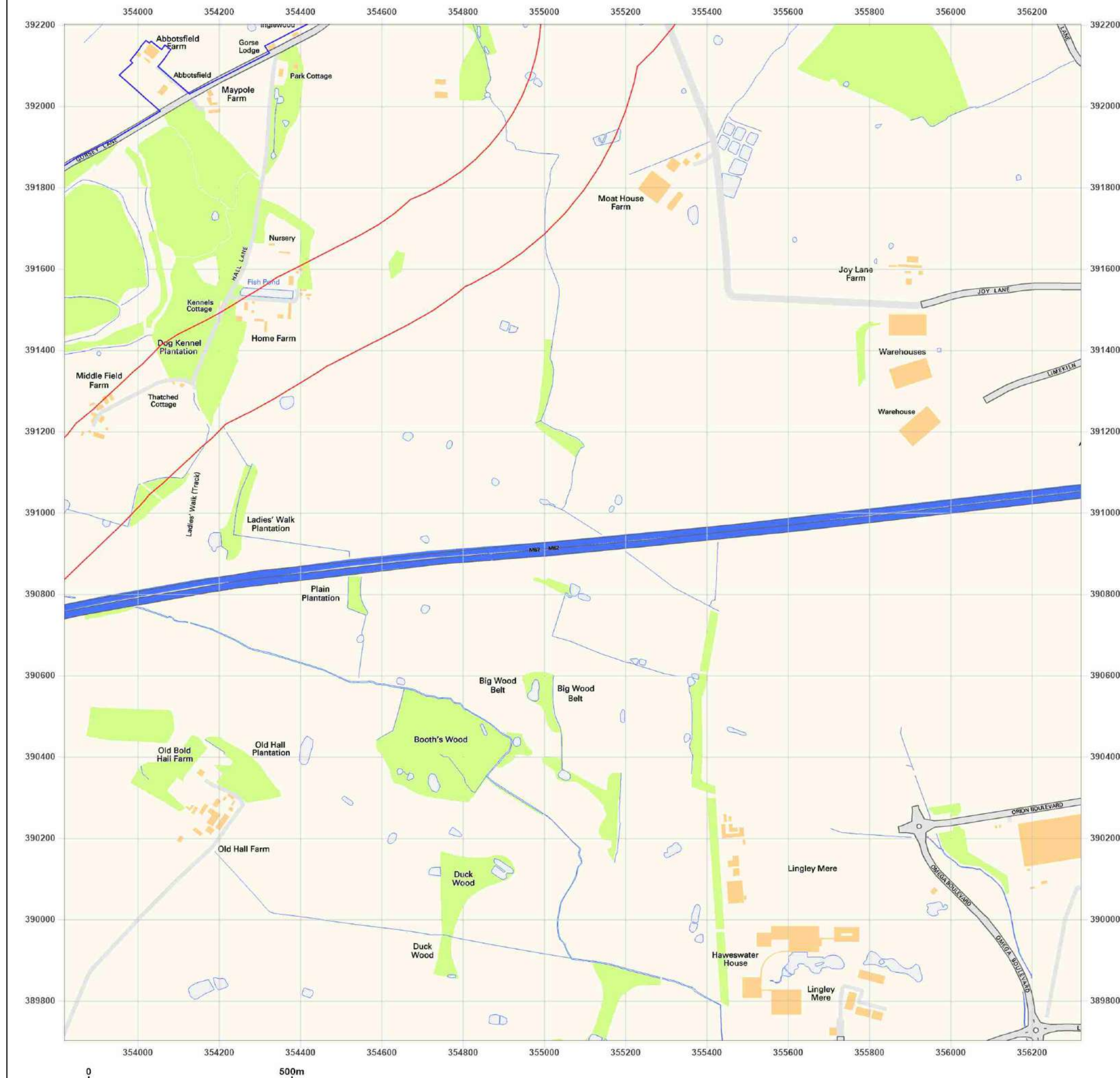


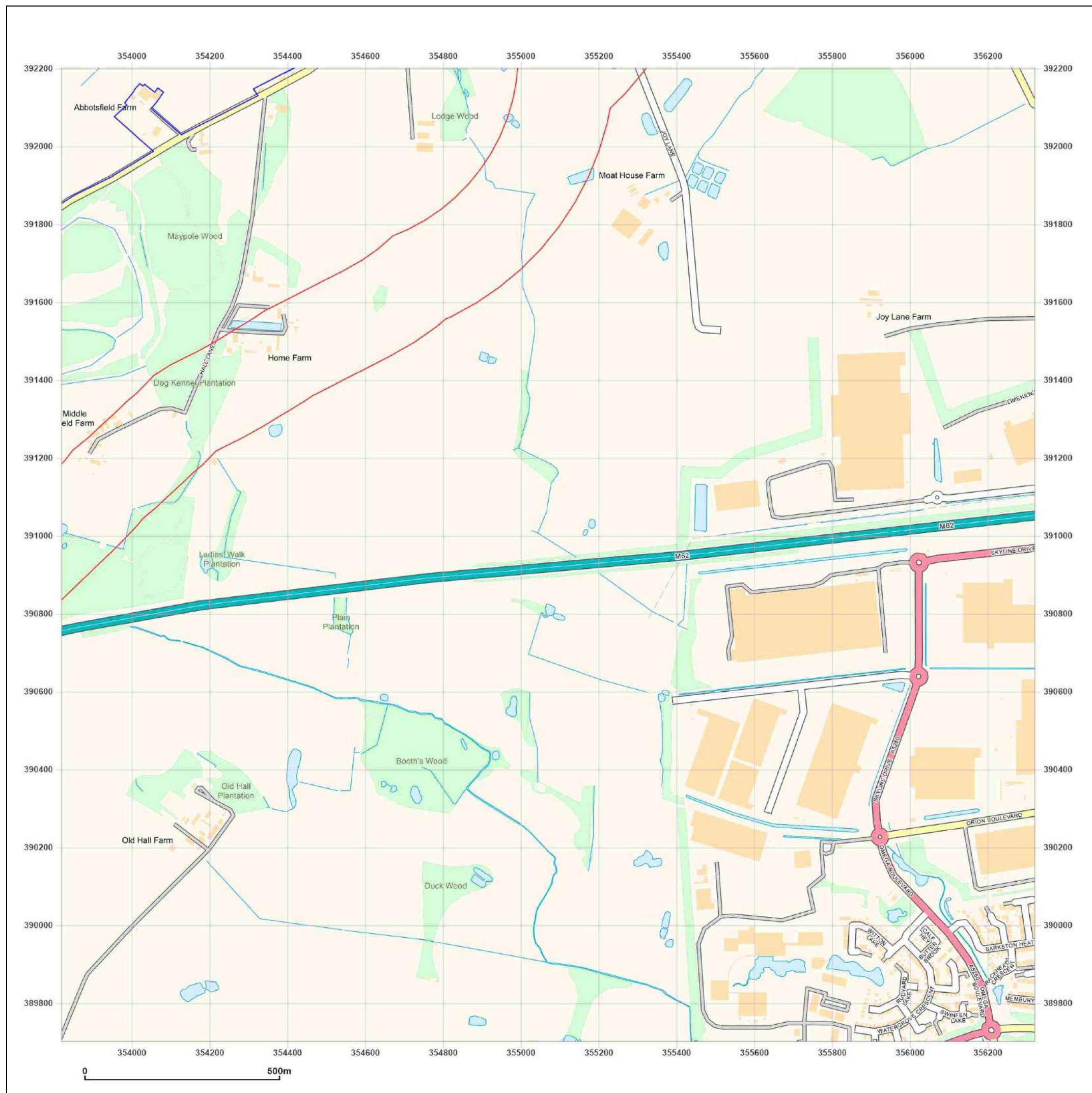
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Site Details:

Bold Garden Village

Client Ref: EMS_984891_1225062
Report Ref: EMS-984891_1248046_SS_2_1
Grid Ref: 355070, 390952

Map Name: National Grid

Map date: 2024

Scale: 1:10,000

Printed at: 1:10,000



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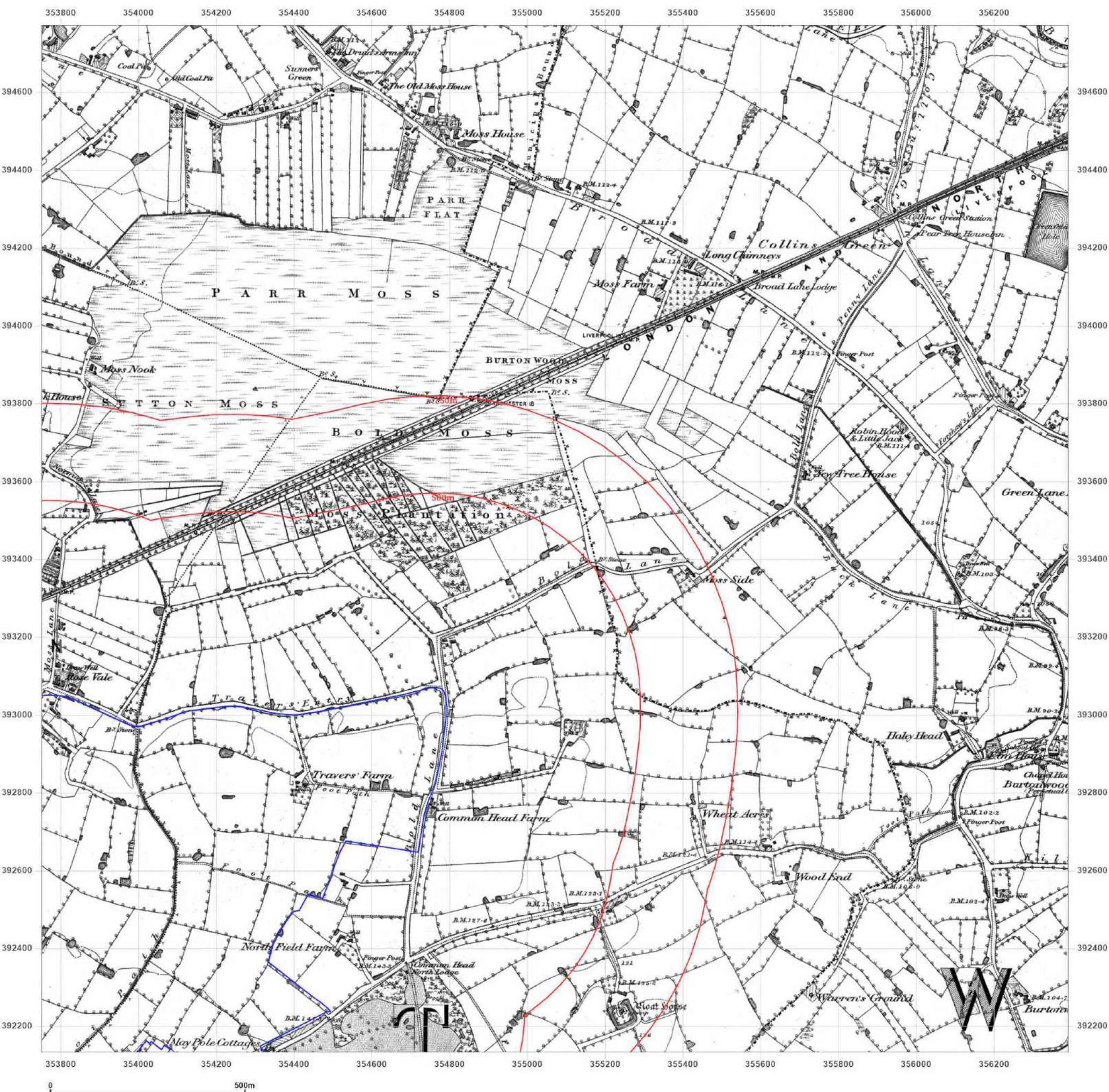


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Site Details:
Bold Garden Village

Client Ref: EMS_984891_1225062
Report Ref: EMS-984891_1248046_SS_2_2
Grid Ref: 355070, 393452

Map Name: County Series
Map date: 1849
Scale: 1:10,560
Printed at: 1:10,560

Surveyed N/A
Revised N/A
Edition 1849
Copyright N/A
Levelled N/A

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Site Details:

Bold Garden Village

Client Ref: EMS_984891_1225062
Report Ref: EMS-984891_1248046_SS_2_2
Grid Ref: 355070, 393452

Map Name: County Series

Map date: 1891-1892

Scale: 1:10,560

Printed at: 1:10,560



Surveyed 1892
Revised 1892
Edition N/A
Copyright N/A
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Surveyed 1891
Revised 1891
Edition N/A
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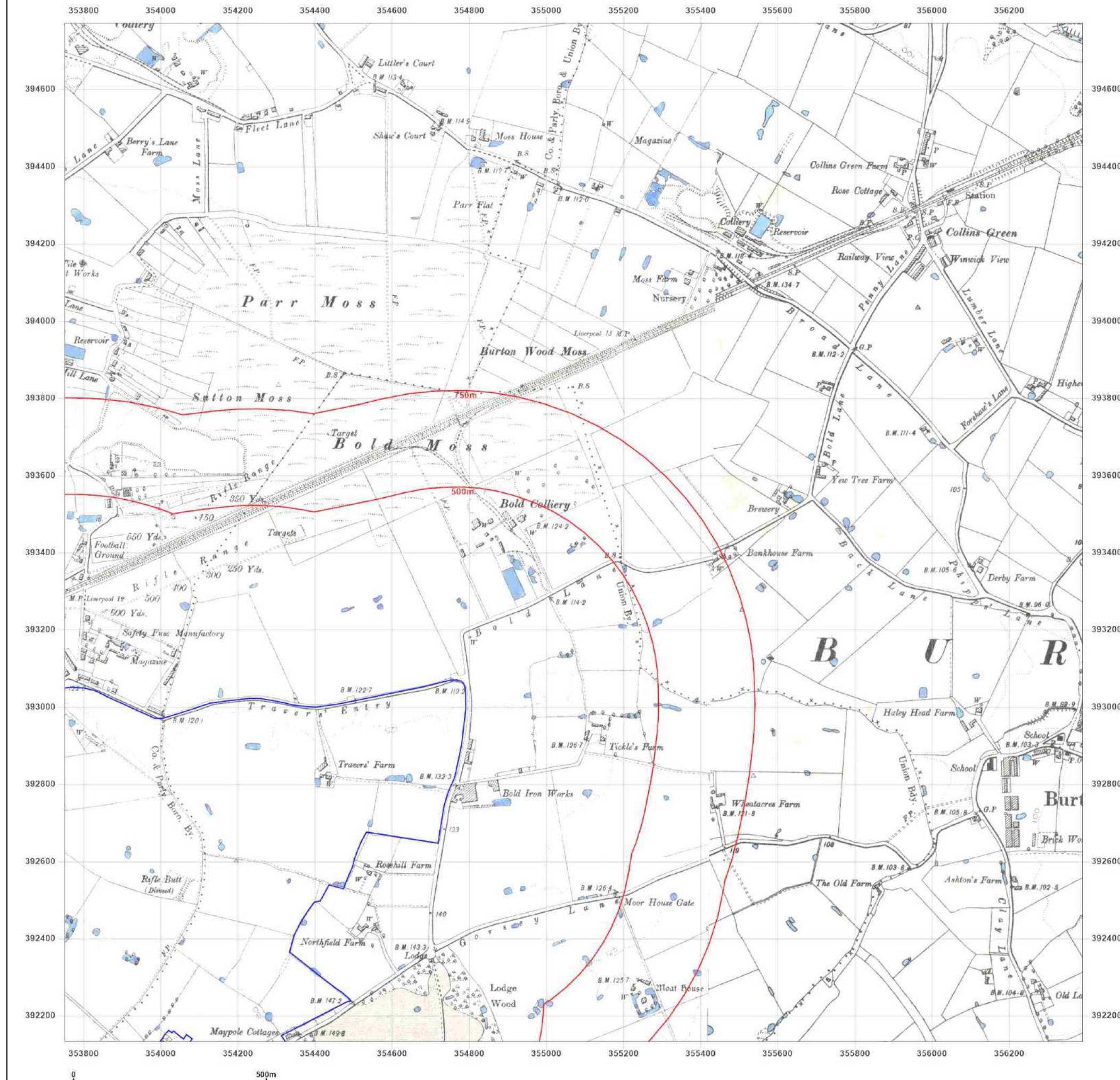


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Site Details:

Bold Garden Village

Client Ref: EMS_984891_1225062
Report Ref: EMS-984891_1248046_SS_2_2
Grid Ref: 355070, 393452

Map Name: County Series

Map date: 1906

Scale: 1:10,560

Printed at: 1:10,560



Surveyed 1847
Revised 1906
Edition N/A
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Surveyed 1891
Revised 1906
Edition N/A
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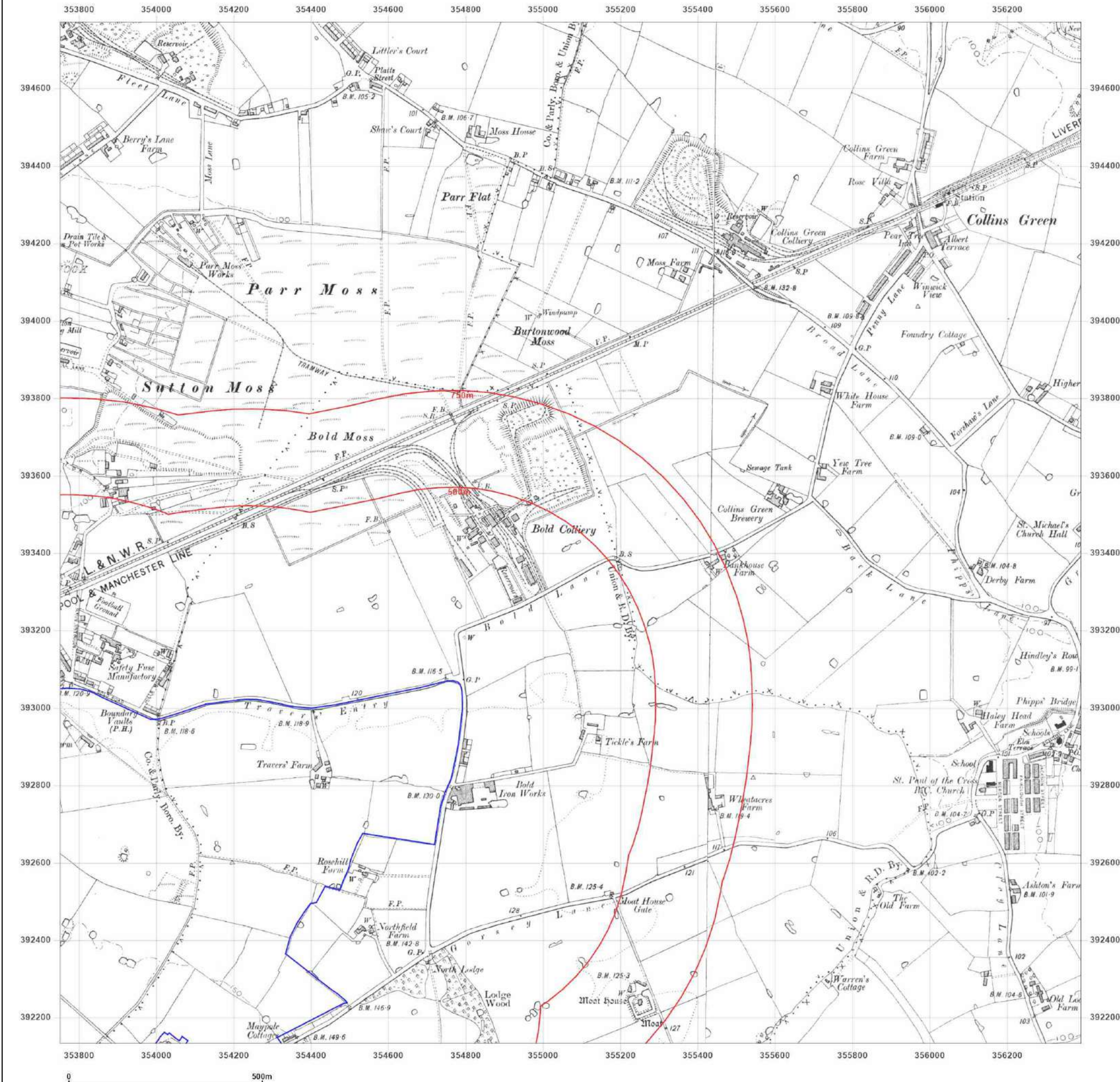


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Site Details:

Bold Garden Village

Client Ref: EMS_984891_1225062
Report Ref: EMS-984891_1248046_SS_2_2
Grid Ref: 355070, 393452

Map Name: County Series

Map date: 1926

Scale: 1:10,560

Printed at: 1:10,560



Surveyed 1847
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Surveyed 1846
Revised 1926
Edition N/A
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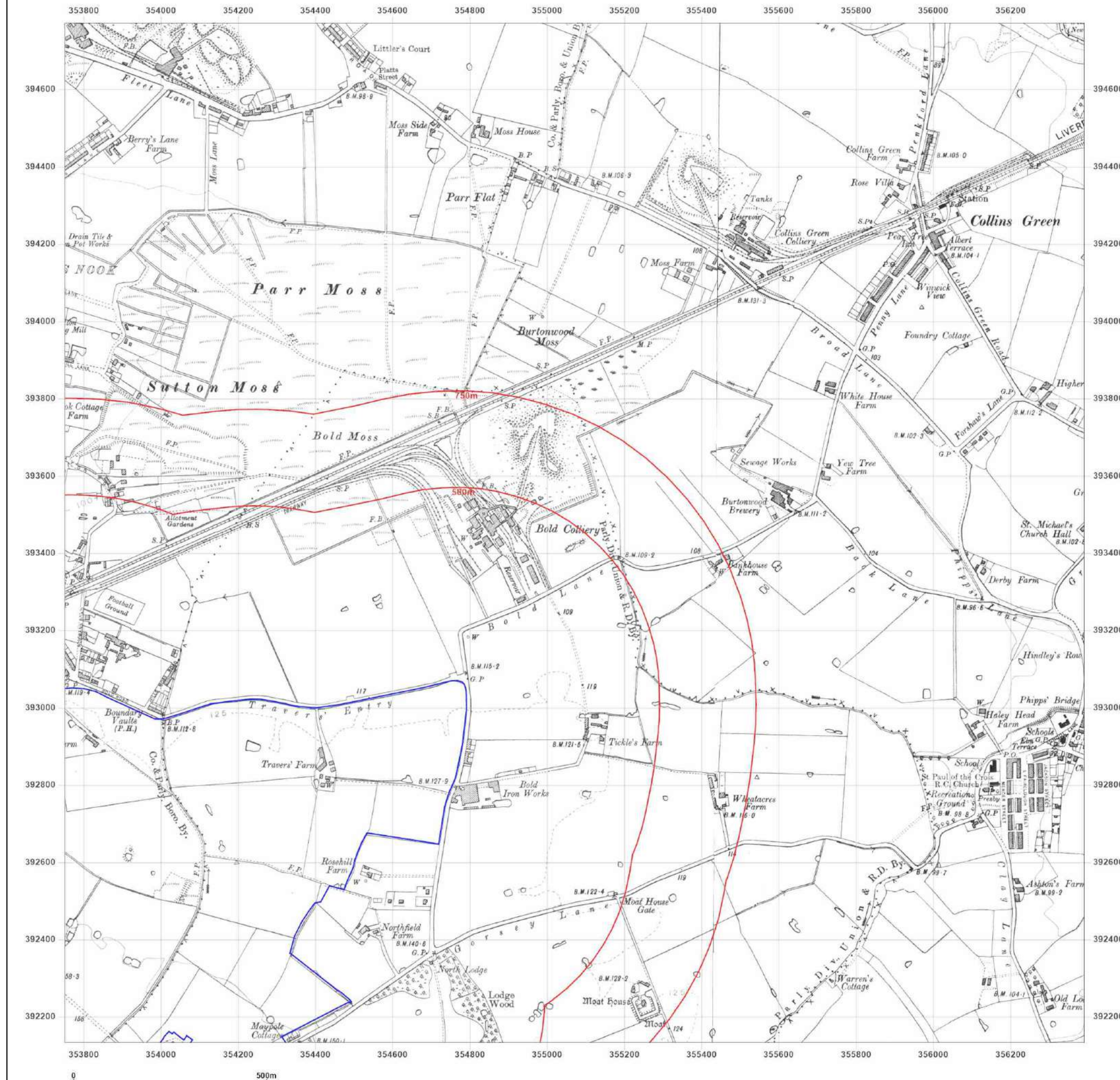


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Site Details:

Bold Garden Village

Client Ref: EMS_984891_1225062
Report Ref: EMS-984891_1248046_SS_2_2
Grid Ref: 355070, 393452

Map Name: County Series

Map date: 1938

Scale: 1:10,560

Printed at: 1:10,560



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Surveyed 1846
Revised 1938
Edition N/A
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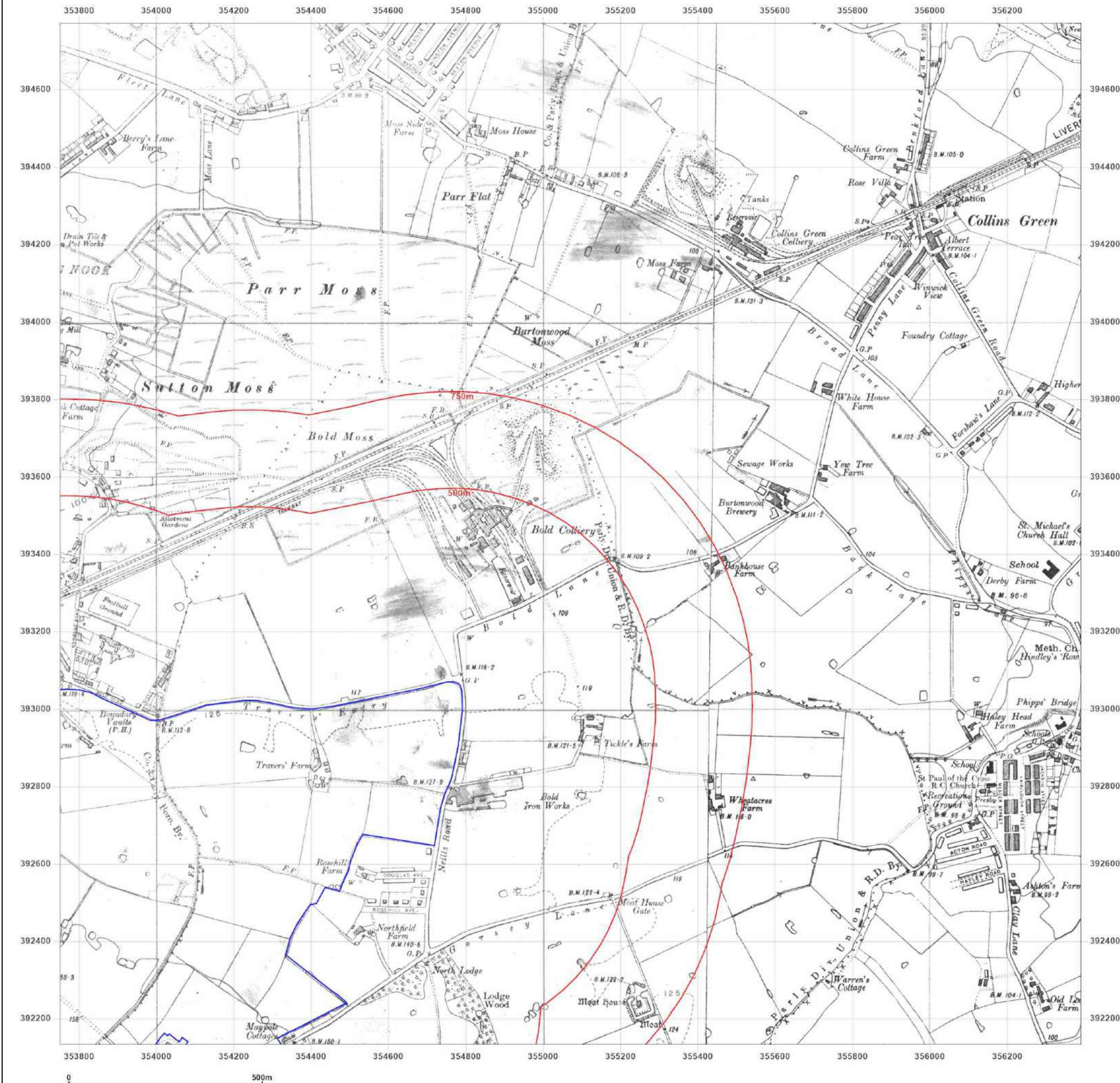


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Site Details:

Bold Garden Village

Client Ref: EMS_984891_1225062
Report Ref: EMS-984891_1248046_SS_2_2
Grid Ref: 355070, 393452

Map Name: County Series

Map date: 1938

Scale: 1:10,560

Printed at: 1:10,560



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Surveyed 1846
Revised 1938
Edition N/A
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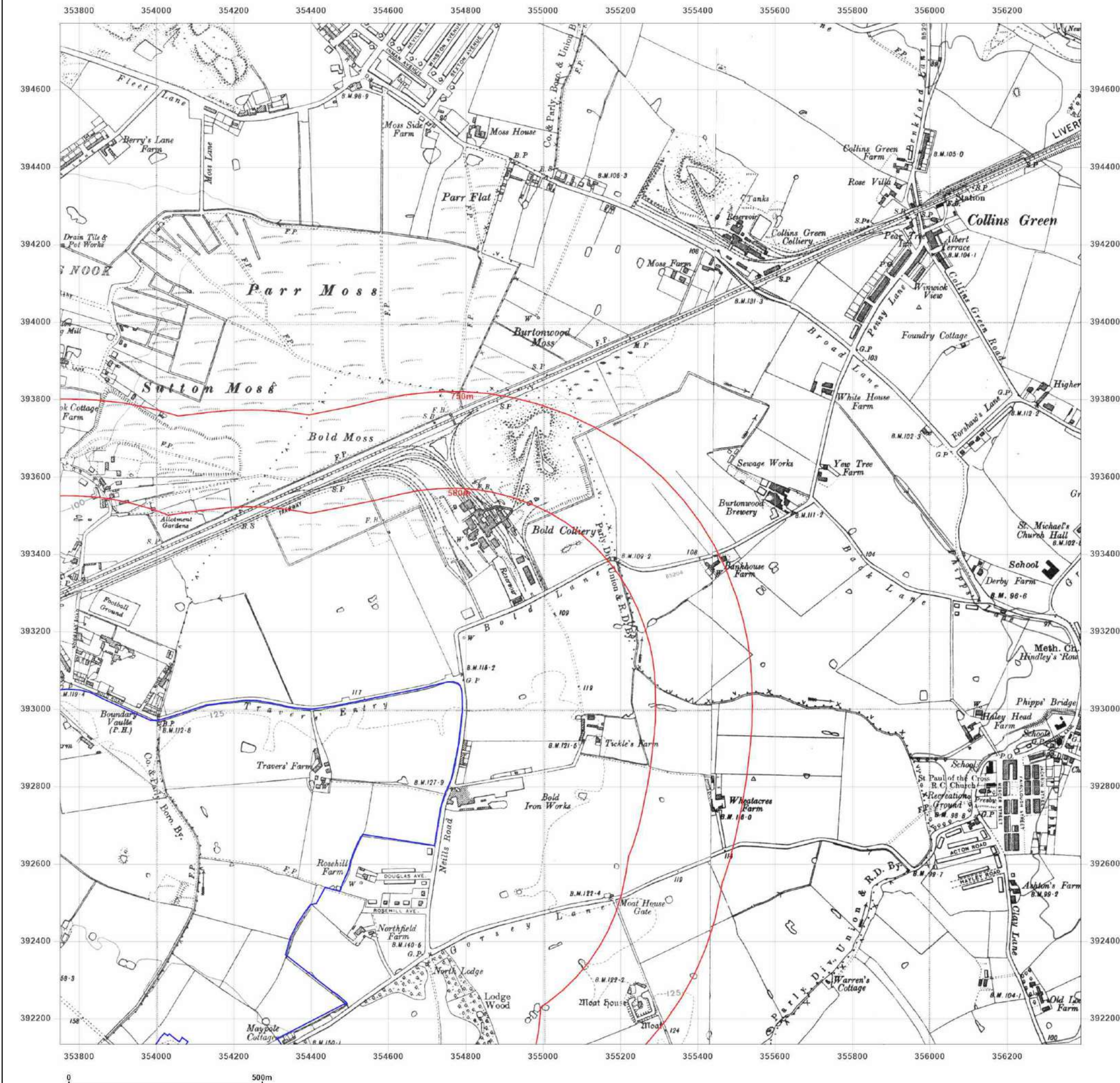


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Site Details:

Bold Garden Village

Client Ref: EMS_984891_1225062
Report Ref: EMS-984891_1248046_SS_2_2
Grid Ref: 355070, 393452

Map Name: County Series

Map date: 1947

Scale: 1:10,560

Printed at: 1:10,560



Surveyed 1847
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Surveyed 1846
Revised 1947
Edition N/A
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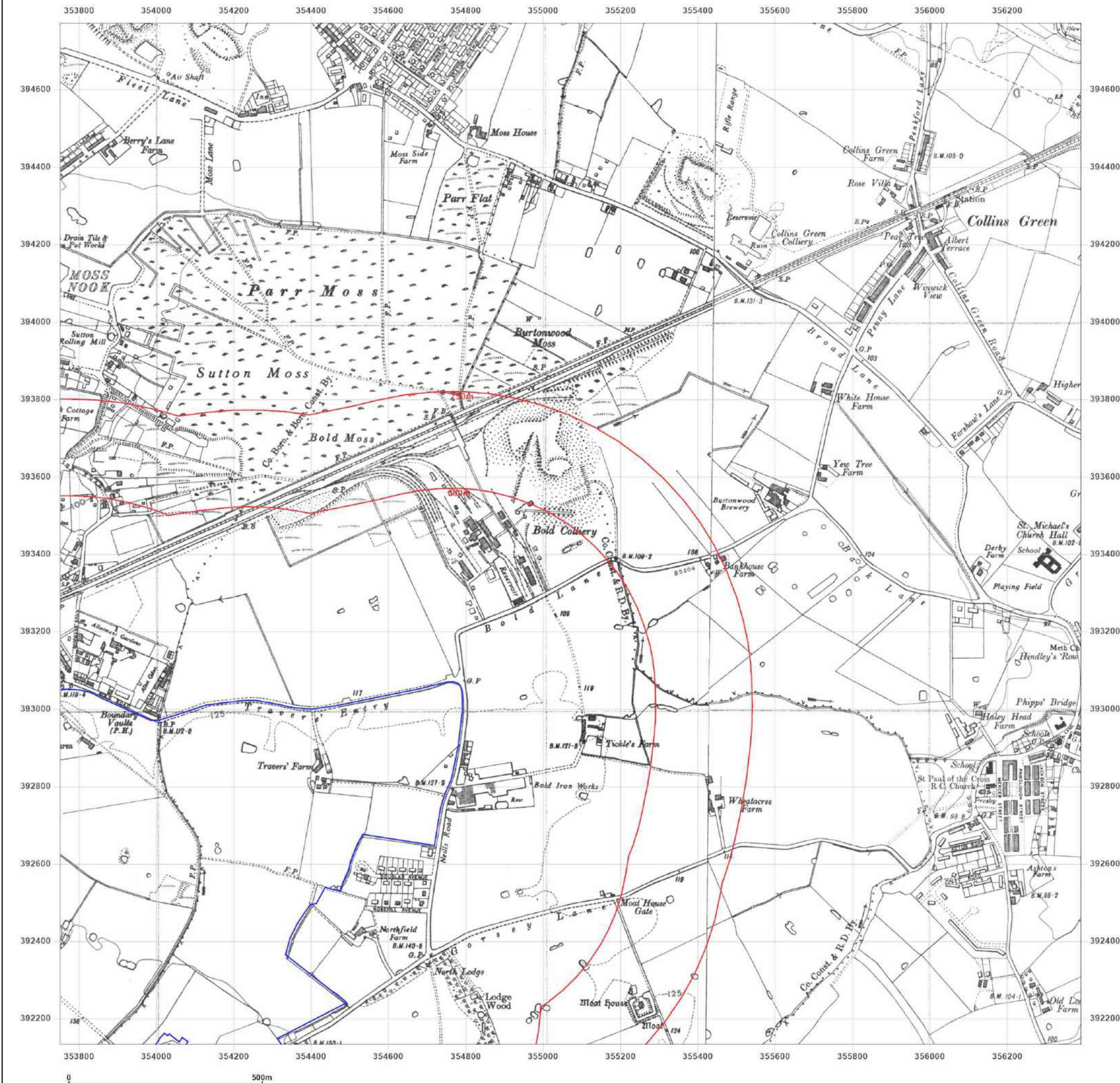


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Site Details:

Bold Garden Village

Client Ref: EMS_984891_1225062
Report Ref: EMS-984891_1248046_SS_2_2
Grid Ref: 355070, 393452

Map Name: Provisional

Map date: 1956

Scale: 1:10,560

Printed at: 1:10,560



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Edition 1956
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Surveyed 1949
Revised 1955
Edition N/A
Copyright 1956
Levelled N/A



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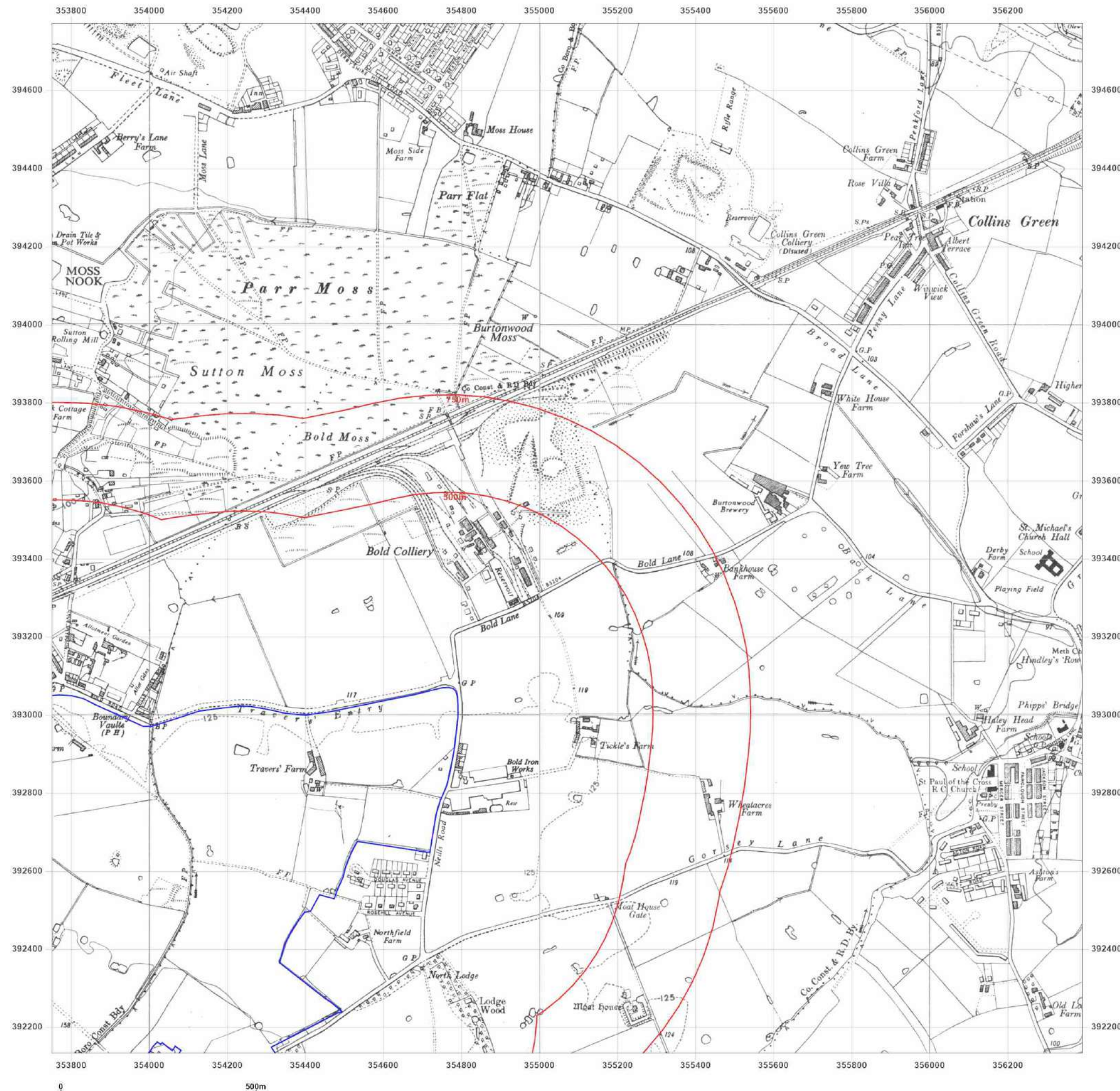


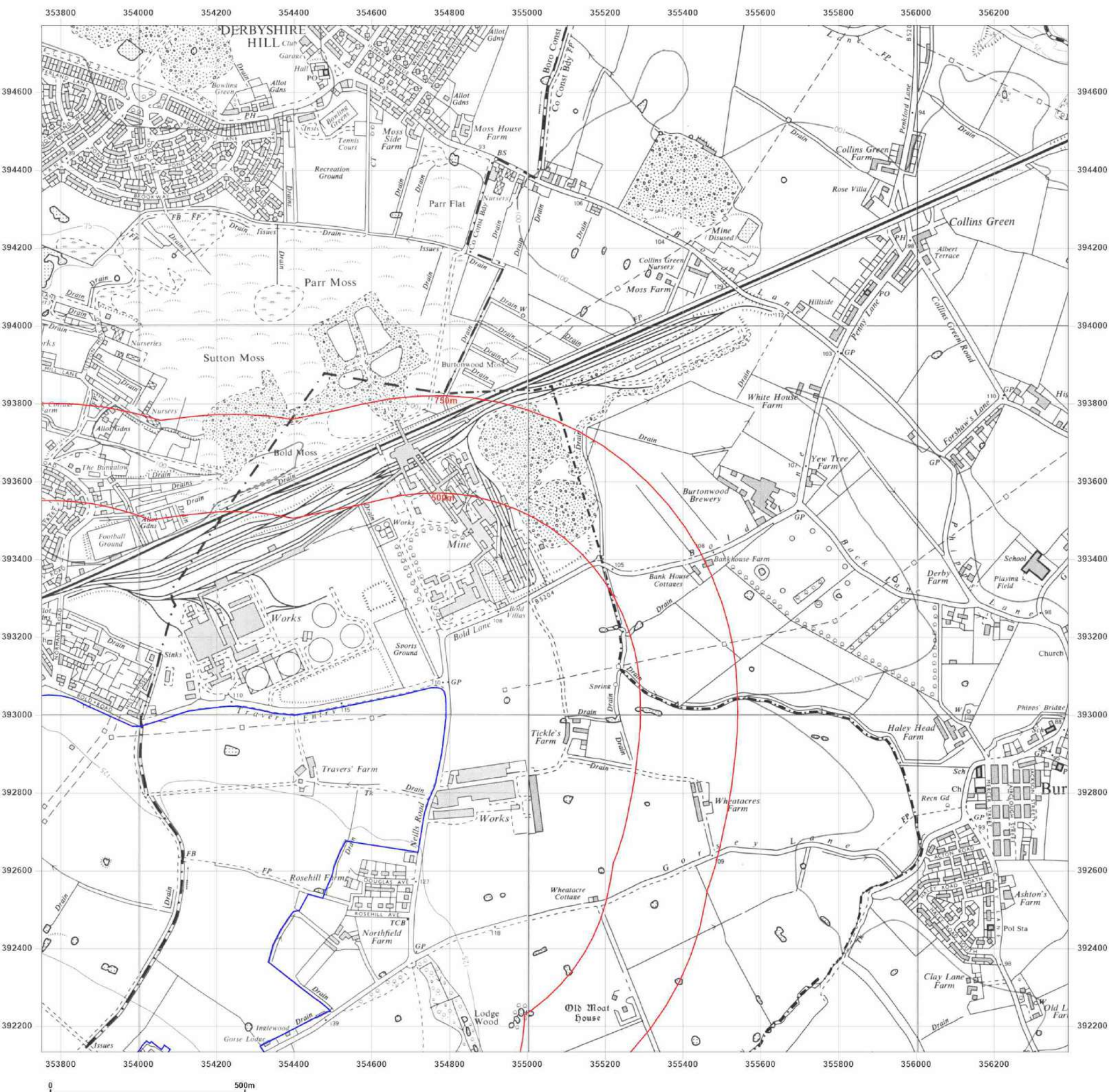
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Site Details:

Bold Garden Village

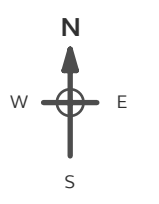
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Report Ref: EMS-984891_1248046_SS_2_2
Grid Ref: 355070, 393452

Map Name: Provisional

Map date: 1965

Scale: 1:10,560

Printed at: 1:10,560



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Revised 1965
Edition N/A
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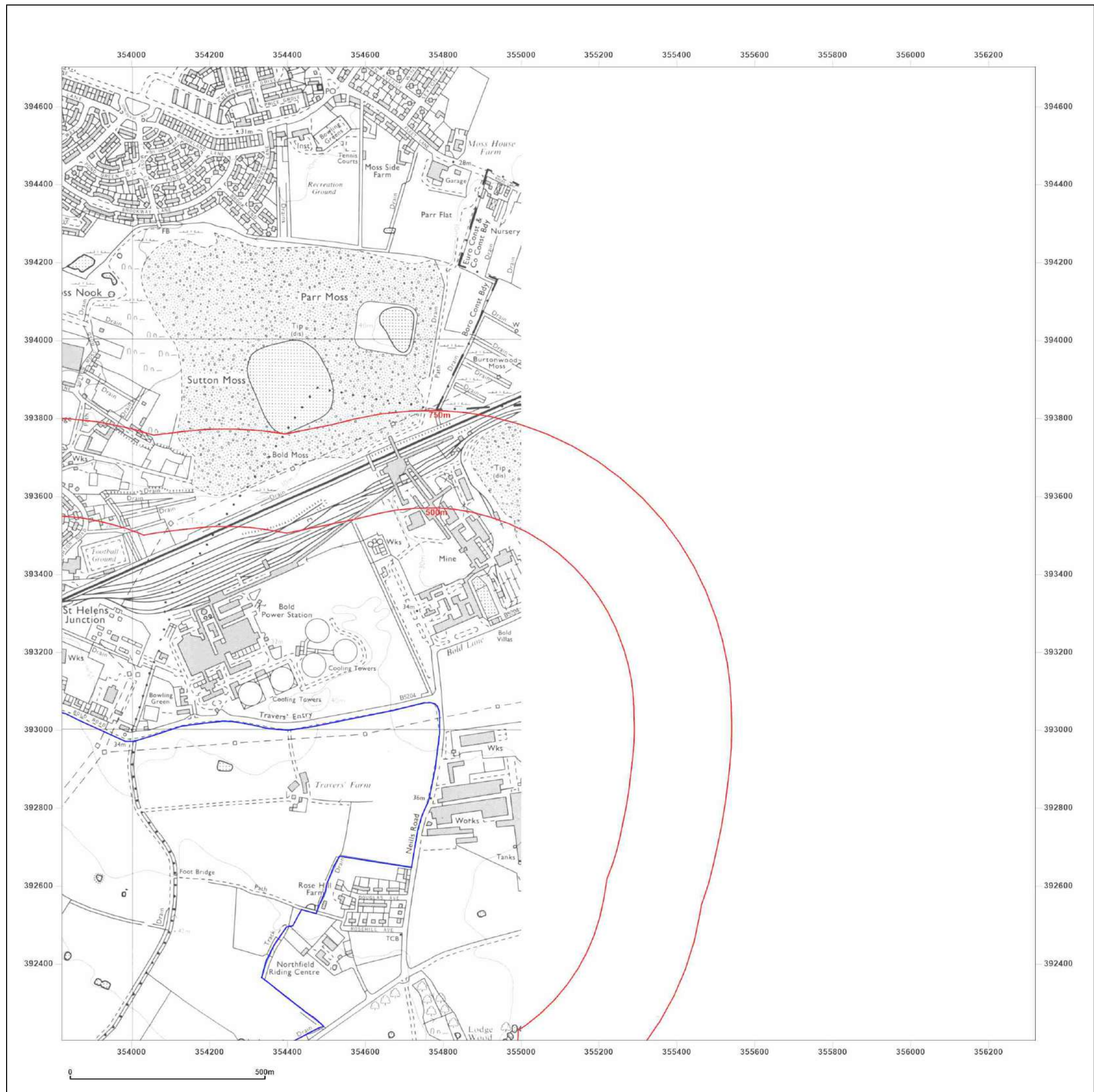


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Site Details:

Bold Garden Village

Client Ref: EMS_984891_1225062
Report Ref: EMS-984891_1248046_SS_2_2
Grid Ref: 355070, 393452

Map Name: National Grid

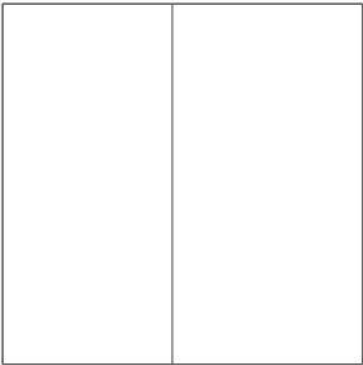
Map date: 1981

Scale: 1:10,000

Printed at: 1:10,000



Surveyed 1980
Revised 1981
Edition N/A
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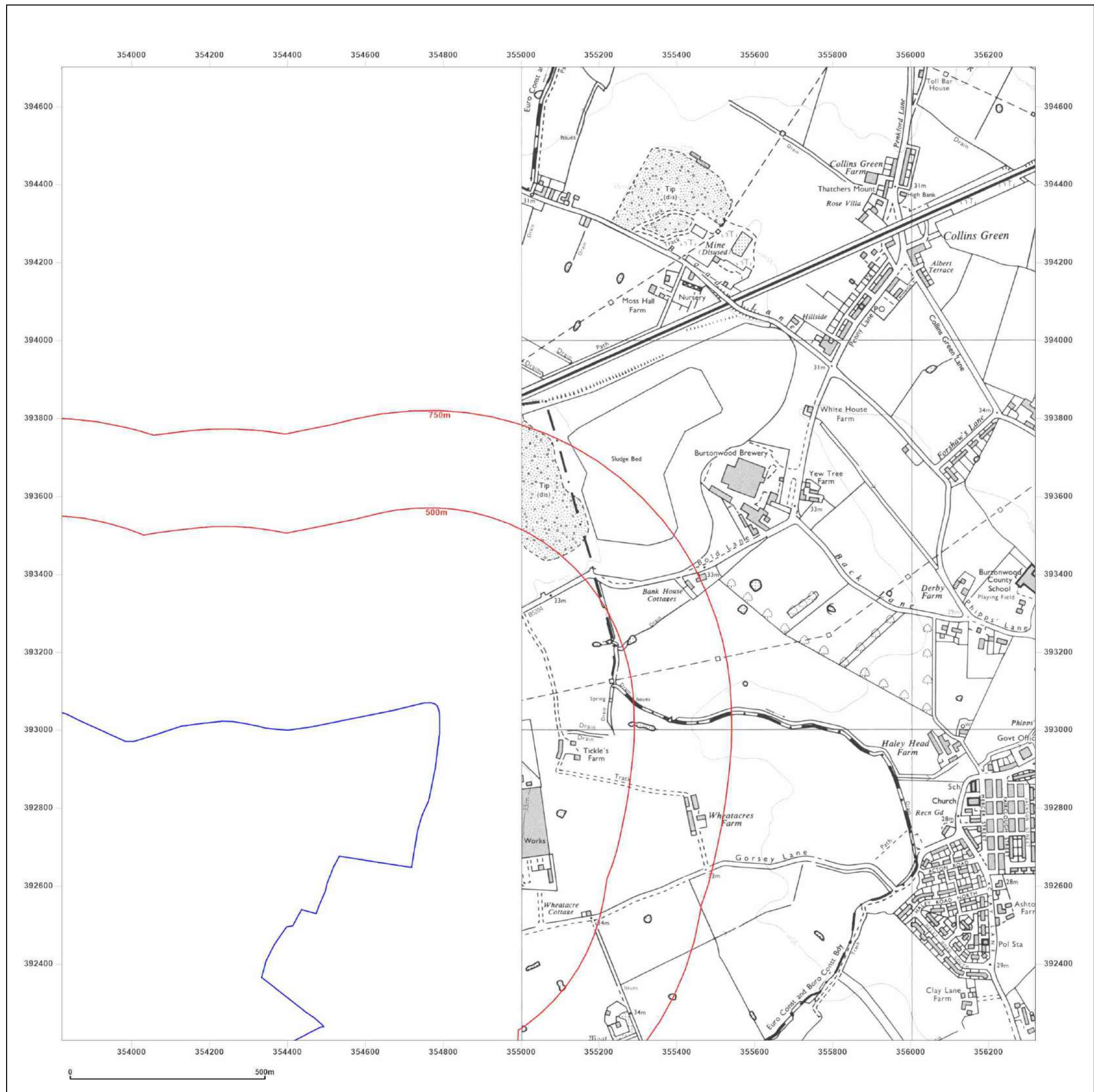


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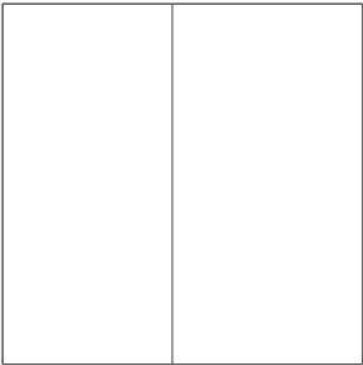
Site Details:

Bold Garden Village

Client Ref: EMS_984891_1225062
Report Ref: EMS-984891_1248046_SS_2_2
Grid Ref: 355070, 393452

Map Name: National Grid
Map date: 1989
Scale: 1:10,000
Printed at: 1:10,000





Surveyed 1989
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Edition N/A
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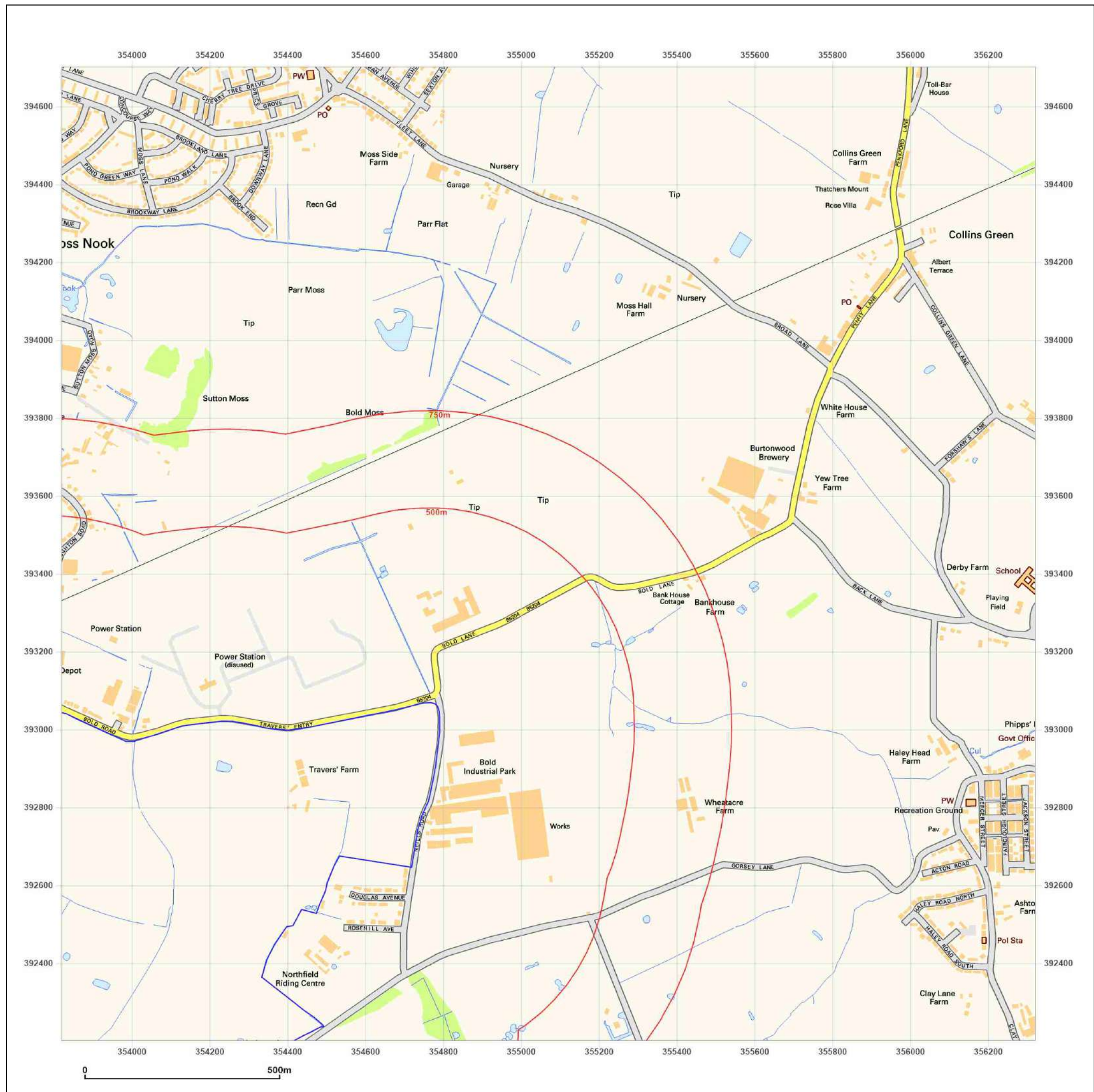


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Site Details:

Bold Garden Village

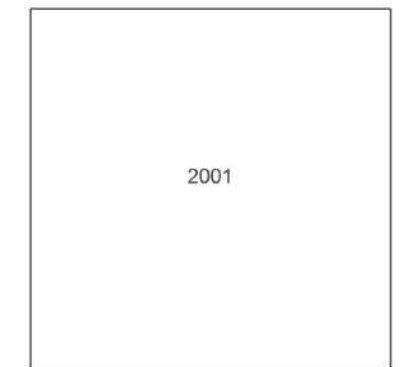
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Report Ref: EMS-984891_1248046_SS_2_2
Grid Ref: 355070, 393452

Map Name: National Grid

Map date: 2001

Scale: 1:10,000

Printed at: 1:10,000



Produced by
Groundsure Insights
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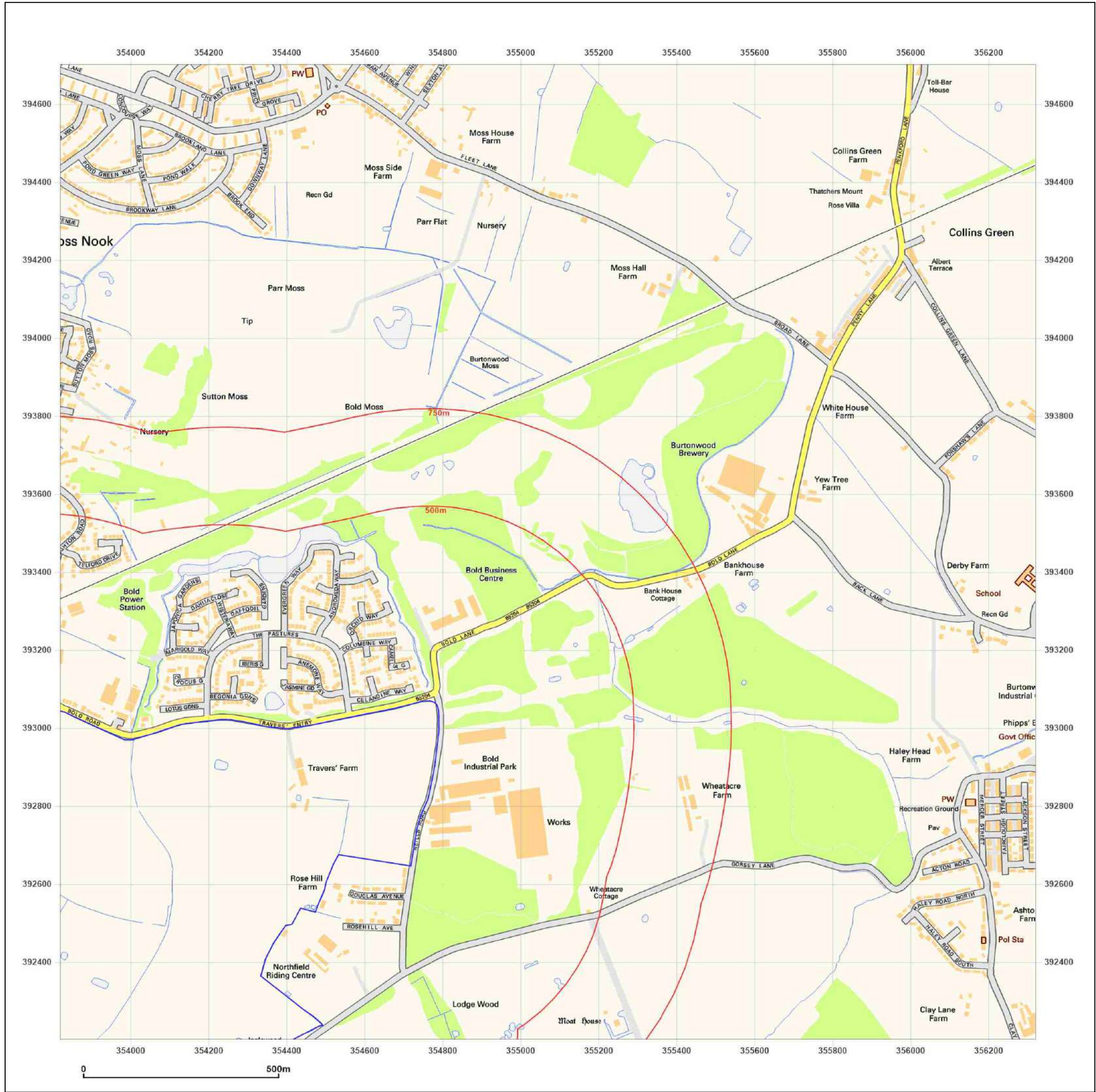


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Production date: 14 November 2024

Map legend available at:
www.groundsure.com/sites/default/files/groundsure_legend.pdf



Site Details:

Bold Garden Village

Client Ref: EMS_984891_1225062
Report Ref: EMS-984891_1248046_SS_2_2
Grid Ref: 355070, 393452

Map Name: National Grid

Map date: 2010

Scale: 1:10,000

Printed at: 1:10,000



Produced by
Groundsure Insights
www.groundsure.com

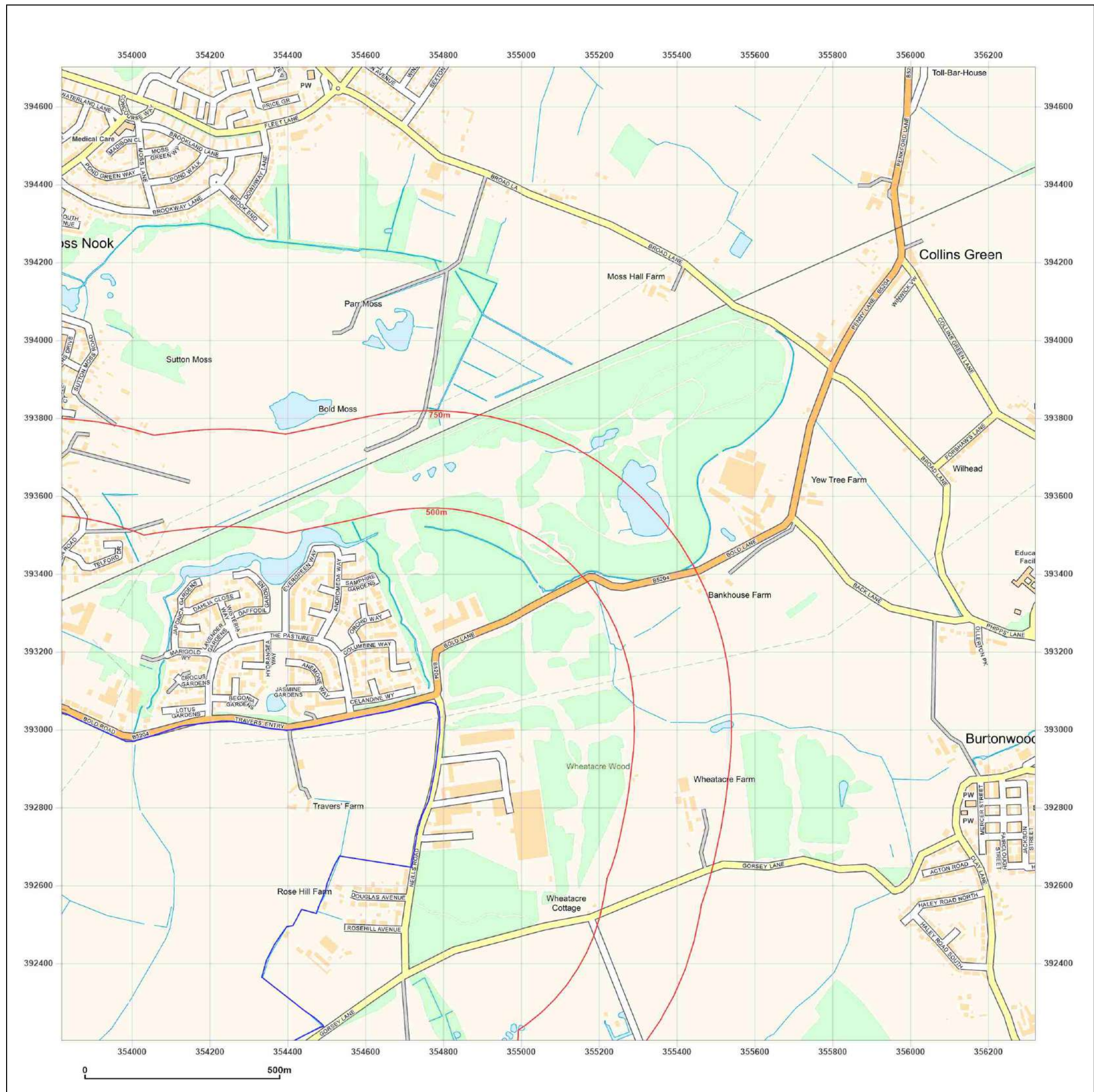


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Production date: 14 November 2024

Map legend available at:
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Site Details:

Bold Garden Village

Client Ref: EMS_984891_1225062
Report Ref: EMS-984891_1248046_SS_2_2
Grid Ref: 355070, 393452

Map Name: National Grid

Map date: 2024

Scale: 1:10,000

Printed at: 1:10,000



Produced by
Groundsure Insights
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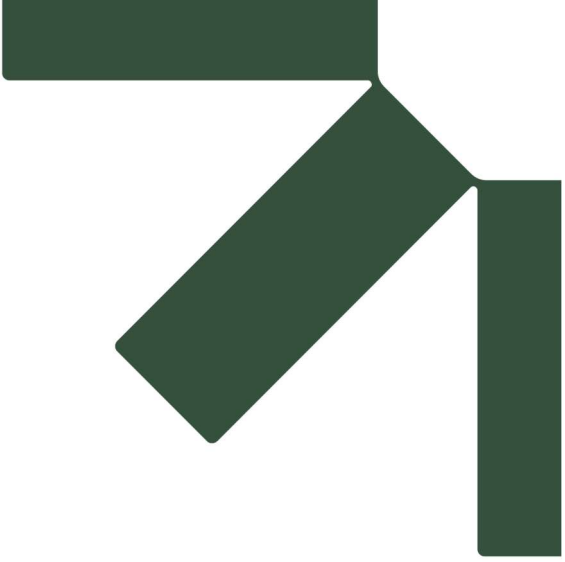


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Production date: 14 November 2024

Map legend available at:
www.groundsure.com/sites/default/files/groundsure_legend.pdf



Appendix D Groundsure CON29M Official Coal Mining Search

Preliminary Land Quality Risk Assessment

Bold Forest Garden Village

St Helens Borough Council

SLR Project No.: 410.066257.00001

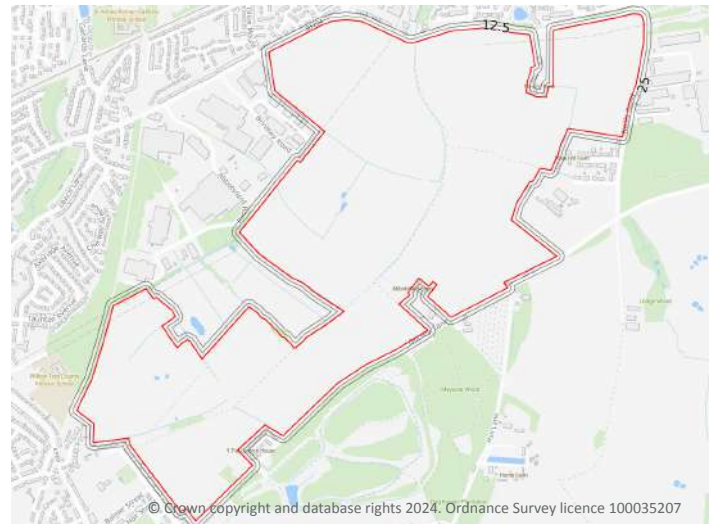
16 June 2025

125091

Professional opinion

Inc. integrated mine entry interpretive assessment

Site plan



Search results

	1. Past underground coal mining Identified	page 4 >		9. Coal mining subsidence claims Identified	page 6 >
	2. Present underground coal mining Not identified			10. Mine gas emissions Not identified	
	3. Future underground coal mining Not identified			11. Emergency Call Out incidents Not identified	
	4. Mine entries Not identified			12. Withdrawal of support Identified	page 7 >
	5. Coal mining geology Not identified			13. Working facilities orders Not identified	
	6. Past opencast coal mining Not identified			14. Payments to copyhold owners Not identified	
	7. Present opencast coal mining Not identified			Cheshire Brine Not identified	
	8. Future opencast coal mining Not identified				

Coal mining (CON29M) assessment

We consider there to be a potential risk to the property from past coal mining activity. For further details refer to: Coal mining subsidence claims.



Coal mining

Subsidence claims

A potential risk due to past underground coal mining has been identified within the boundary of the property. Whilst no further searches are required, it should be noted that in the event of coal mining settlement or subsidence occurring, the property will benefit from the protection of the Coal Mining Subsidence Acts of 1991 and as amended 1994.

Next steps for consideration:

- A survey encompassing a visual inspection of the property is likely to be available, and this survey would highlight any visible defects and signs of mining-related settlement or subsidence effects.
- If no such survey has been undertaken, you should consider obtaining this type of visual inspection.

Coal Mining Subsidence Act 1991

If any coal mining subsidence damage has occurred, as determined by the appropriate persons/bodies, the property will benefit from the protection of the Coal Mining Subsidence Acts of 1991 and as amended 1994.

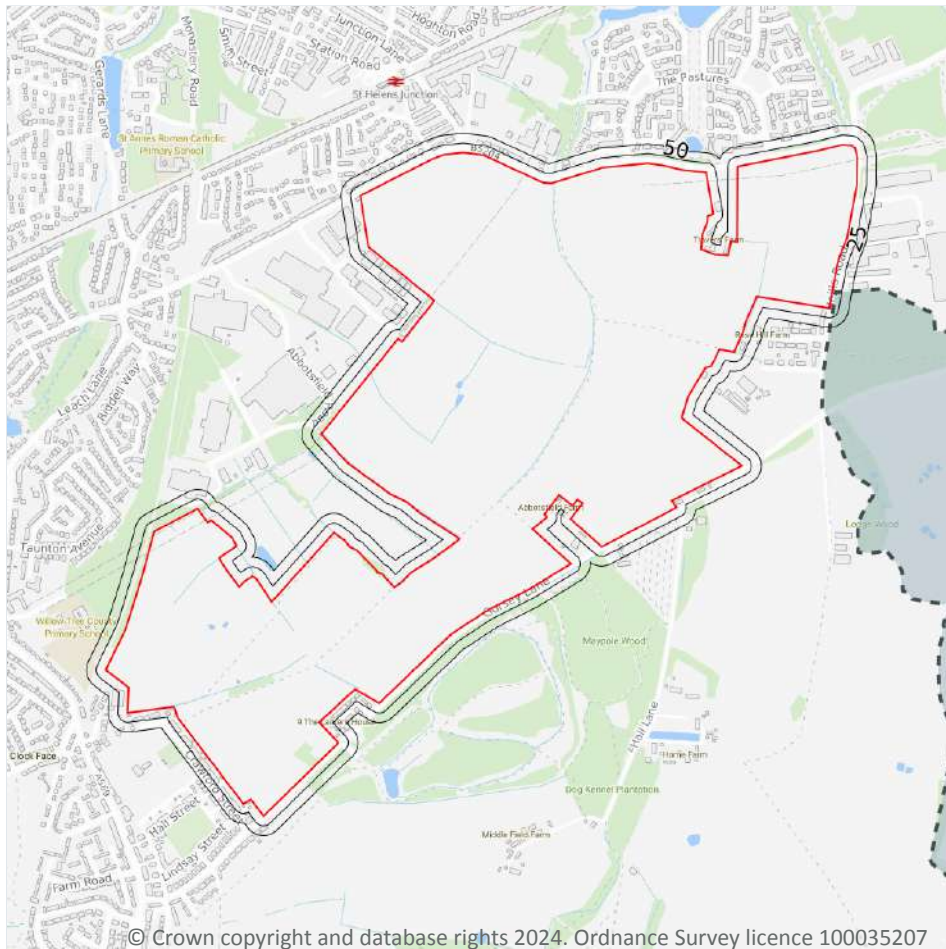
This Act, however, does not apply where coal was worked or gotten by virtue of the grant of a gale in the Forest of Dean, or any other part of the Hundred of St. Briavels in the county of Gloucester. In this instance it would be prudent to have the property visually inspected for signs of mining related settlement or subsidence by a suitably qualified and experienced person, who could be sought through www.ricsfirms.com ↗.

The Coal Authority provide a call out service on 01623 646 333 to take remedial action concerning the movement or collapse of any coal entries or coal mining surface hazards. Further details can be found on www.groundstability.com ↗.

CON29M reports are a requirement for conveyancing and are recommended throughout the official Coal Mining Reporting Area. This is the area within which it is deemed prudent to clarify the risk presented by coal mining, using the questions laid out in the Law Society's CON29M form. The need for a CON29M does not always translate to an identification of risk, and reports will often be assessed as free from risk or 'Passed' even though they are within the official Coal Mining Reporting Area.



Coal mining (CON29M)



- Site Outline
- Search buffers in metres (m)
- Mine entries
 - Adits
 - Shafts
 - Calculated 'zone of influence'
- Subsidence claims
 - Awaiting decision
 - Rejected
 - Admitted
 - Deferred
 - Settled
 - Withdrawn
- Probable shallow coal mine workings
- Coal outcrops
- Past shallow coal mine workings

Coal mining (CON29M)

The map above shows relevant, mappable hazards identified that could constitute a risk to the property. It does not necessarily show all features or potential issues identified in this report. Further details of any features shown indicating the location of Mine Entries or Subsidence Claims can be found in the relevant sections of this report (4 and 9 respectively).

Responses to the Law Society CON29M Coal Mining search enquiries are produced using official Coal Authority data and the expert interpretation of Groundsure. This report is prepared in accordance with The Law Society CON29M (2018) Guidance Notes. Additional interpretation and calculation of mine entry zones of influence has also been carried out by Groundsure using Coal Authority and British Geological Survey data.

Please read this report carefully, and in particular any sections flagged with an amber 'i'.



A Law Society Licensed Provider

**The Law
Society**

These enquiries are The Law Society CON29M (2018) Coal Mining search enquiries and are used with permission of The Law Society. The Law Society CON29M Coal Mining search enquiries are protected by copyright owned by The Law Society of 113 Chancery Lane, London WC2A 1PL. The Law Society has no responsibility for information provided in response to CON29M (2018) Coal Mining search enquiries within this report or otherwise.

1. Past underground coal mining



Is the property within the zone of likely physical influence on the surface of past underground coal workings?

- **The property lies within the potential zone of influence of recorded workings in 12 seam(s) of coal. The most recent underground working in the area was in 1982. These workings lie between 325 metres and 950 metres. Any ground movement due to this coal mining activity should have stopped.**

2. Present underground coal mining



Is the property within the zone of likely physical influence on the surface of present underground coal workings?

- **The property does not lie within the boundary of an underground site from which coal is being removed by underground methods.**

3. Future underground coal mining



(a) Is the property within any geographical area for which the Coal Authority is determining whether to grant a licence to remove coal by underground methods?

- **The property does not lie within the boundary of an underground site for which the Coal Authority is determining whether to grant a licence to remove coal by underground methods.**

(b) Is the property within any geographical area for which a licence to remove coal by underground methods has been granted?

- **The property does not lie within the boundary of an underground site for which a licence to remove coal by underground methods has been granted.**

(c) Is the property within the zone of likely physical influence on the surface of planned future underground coal workings?

[Back to Summary](#)

Contact us with any questions at:
info@groundsure.com ↗
01273 257 755

Ref: GS-VT8-IA1-EKJ-MXK
Your ref: EMS_988590
Grid ref: 353828 392332

- The property does not lie within the zone of likely physical influence on the surface of planned future underground workings.

(d) Has any notice of proposals relating to underground coal mining operations been given under section 46 of the Coal Mining Subsidence Act 1991?

- No notices have been given under Section 46 of the Coal Mining Subsidence Act 1991 stating that the land is at risk of subsidence.

4. Mine entries



Are there any shafts and adits or other entries to underground coal mine workings within the property or within 20 metres of the boundary of the property?

- No coal mine entries are recorded to lie within 20 metres of the property.

5. Coal mining geology



Is there any record of any fault or other line of weakness due to coal mining at the surface within the boundary of the property that has made the property unstable?

- No damage arising from geological faults or other lines of weakness activated by coal mining are recorded within the property.

6. Past opencast coal mining



Is the property situated within the geographical boundary of an opencast site from which coal has been removed in the past by opencast methods?

- The property does not lie within the boundary of an opencast site from which coal was removed by opencast methods.

7. Present opencast coal mining



Is the property within 200 metres of the boundary of an opencast site from which coal is being removed by opencast methods?

- The property does not lie within 200 metres of the boundary of an opencast site from which coal is being removed by opencast methods.



8. Future opencast coal mining



(a) Is the property within 800 metres of the boundary of an opencast site for which the Coal Authority are determining whether to grant a licence to remove coal by opencast methods?

- **The property does not lie within 800 metres of the boundary of an opencast site for which the Coal Authority are determining whether to grant a licence to remove coal by opencast methods.**

(b) Is the property within 800 metres of the boundary of an opencast site for which a licence to remove coal by opencast methods has been granted?

- **The property does not lie within 800 metres of the boundary of an opencast site for which a licence to remove coal by opencast methods has been granted.**

9. Coal mining subsidence claims



(a) Has any damage notice or claim for alleged coal mining subsidence damage to the property been given, made or pursued since 31st October 1994?

- **We have evidence of a damage notice or subsidence claim for the property or within 50m of the property since 31st October 1994.**

Distance	Type	Reference	Address	Claim date	Status	Status reason	Claim value
8 m	TCA	S49501-CI	OS 5545,0513,3527 LAND AT MOATHOUSE FARM GORSEY LANE BOLD, ST HELENS MERSEYSIDE	20/06/1997	02 - Rejected	-	-

(b) In respect of any such notice or claim has the responsible person given notice agreeing that there is a remedial obligation or otherwise accepted that a claim would lie against them?

- **Responsible persons have not given notice agreeing that there is a remedial obligation or accepted that a claim would lie against them.**

(c) In respect of any such notice or acceptance has the remedial obligation or claim been discharged?

- **Remedial obligation or claims have not been discharged.**

(d) Does any current "Stop Notice" delaying the start of remedial works or repairs affect the property?

- **There are no current Stop Notices delaying the start of remedial works or repairs to the property.**

(e) Has any request been made under Section 33 of the 1991 Act to execute preventive works before coal is worked, which would prevent the occurrence or reduce the extent of subsidence damage to any buildings, structures or works and, if yes, has any person withheld consent or failed to comply with any such request to execute preventive works?



- There is no record of a request that has been made to carry out preventive works before coal is worked under Section 33 of the Coal Mining Subsidence Act 1991.

NB. Records of damage notices or subsidence claims before 31st October 1994 are excluded from The Coal Authority data from which this search is compiled.

10. Mine gas emissions



Does the Coal Authority have record of any mine gas emission within the boundary of the property being reported that subsequently required action by the Authority to mitigate the effects of the mine gas emission?

- No mine gas emissions are recorded within the boundary of the property.

11. Emergency Surface Hazard Call Out incidents



Have the Coal Authority carried out any work on or within the boundaries of the property following a report of an alleged hazard related to coal mining under the Authority's Emergency Surface Hazard Call Out procedures?

- No Emergency Surface Hazard Call Out procedures are recorded against the property.

12. Withdrawal of support



(a) Does the land lie within a geographical area in respect of which a notice of entitlement to withdraw support has been published?

- The property lies within an area where a notice of entitlement to withdraw support has been published. Notices were issued in: 1944, 1945, 1947, 1976.

(b) Does the land lie within a geographical area in respect of which a revocation notice has been given under section 41 of the Coal Industry Act 1994?

- The property does not lie within a geographical area in which a revocation notice has been given under section 41 of the Coal Industry Act 1994.

13. Working facilities orders



Is the property within a geographical area subject to an order in respect of the working of coal under the Mines (Working Facilities and Support) Acts 1923 and 1966 or any statutory modification or amendment thereof?

- The property is not in an area where a court order has been issued.





14. Payments to owners of former copyhold land



(a) Has any relevant notice, which may affect the property, been given?

- **The property does not lie within former copyholder land.**

(b) If yes, has any notice of retained interests in coal and coal mines been given?

- **No notices of retained interests in coal and coal mines been given.**

(c) If yes, has any acceptance notice or rejection notice been served?

- **No acceptance or rejection notices have been served.**

(d) If any such acceptance notice has been served, has any compensation been paid to a claimant?

- **No compensation has been paid to a claimant.**



Methodologies and limitations

Groundsure's methodologies and limitations are available here: knowledge.groundsure.com/methodologies-and-limitations ↗.

Data providers

Groundsure works with respected data providers to bring you the most relevant and accurate information in your report. To find out who they are and their areas of expertise see www.groundsure.com/sources-reference ↗.

Conveyancing Information Executive and our terms & conditions

IMPORTANT CONSUMER PROTECTION INFORMATION

This search has been produced by Groundsure Ltd. Groundsure adheres to the Conveyancing Information Executive Standards.

In addition to The Property Ombudsman (TPO) redress scheme covering consumers, TPO will also provide redress to small businesses (including Charities and Trusts) and where the customer meets the following criteria:

- a small business (or group of companies) with an annual turnover of less than £3 million;
- a charity with an annual income of less than £3 million;
- a Trust with a net asset value of less than £3 million.

Complaints Advice

If you have a query or complaint about your search, you should raise it directly with the search firm, and if appropriate ask for any complaint to be considered under their formal internal complaints procedure.

If you remain dissatisfied with the firm's final response, after your complaint has been formally considered, or if the firm has exceeded the response timescales, you may refer your complaint for consideration under The Property Ombudsman scheme (TPOs). The Ombudsman can award up to £5,000 to you if the Ombudsman finds that you have suffered actual financial loss and/or aggravation, distress or inconvenience as a result of your search provider failing to keep to the Standards.

Please note that all queries or complaints regarding your search should be directed to your search provider in the first instance, not to TPOs.

COMPLAINTS PROCEDURE: If you want to make a complaint, we will:

- acknowledge it within 5 working days of receipt
- normally deal with it fully and provide a final response, in writing, within 20 working days of receipt
- liaise, at your request, with anyone acting formally on your behalf

Complaints should be sent to:

Operations Director, Groundsure Ltd, Nile House, Nile Street, Brighton, BN1 1HW. Tel: 01273 257 755. Email: info@groundsure.com

↗ If you are not satisfied with our final response, or if we exceed the response timescales, you may refer the complaint to The Property Ombudsman scheme (TPOs): Tel: 01722 333306, E-mail: admin@tpos.co.uk ↗ We will co-operate fully with the Ombudsman during an investigation and comply with their final decision.

Groundsure's Terms and Conditions can be viewed here: www.groundsure.com/terms-and-conditions-april-2023/ ↗

All of the advice and reports that Groundsure produces are covered by a comprehensive Remediation Contribution policy to ensure customers are protected, see www.groundsure.com/remediation ↗ for full details.



Coal Mining Report Insurance Policy



Coal Mining Report Insurance Policy

The Schedule

Policy Number: The Reference contained in the **Coal Mining Search Report**

Premium: £1.20 inclusive of Insurance Premium Tax at 12%

Property: The property which is the subject of the **Coal Mining Search Report**

Limit of Indemnity: £100,000 increasing by 10% compound per annum on each anniversary of and for the first 10 years following the **Commencement Date**

Commencement Date: The date of the **Coal Mining Search Report**

You/Your:

1. A purchaser of the **Property**
2. A lender providing a **Mortgage** in connection with a purchase of the **Property**
3. A lender providing a **Mortgage** by way of a re-mortgage of the **Property**

Definitions

Where a word is defined below or in the schedule it shall carry the same meaning wherever it appears in bold text in this policy

Insured Use: The continued use of the **Property** as a single house or flat or a single commercial premises

Market Value: The value as determined by a surveyor appointed by agreement between **You** and **Us** or (in default of agreement) the President for the time being of the Royal Institution of Chartered Surveyors

Mortgage: A mortgage or charge secured on the **Property** by an institutional mortgage lender

Coal Mining Search Report: The coal mining search report attached to this policy

Search: An official search comprising a search in form CON29M (2018) being mining searches relating to coal and brine in the area in which the **Property** is situated

We/Our/Us:

Zurich Insurance plc. A public limited company incorporated in Ireland. Registration No. 13460. Registered Office: Zurich House, Ballsbridge Park, Dublin 4, Ireland. UK Branch registered in England and Wales Registration No. BR7985. UK Branch Head Office: The Zurich Centre, 3000 Parkway, Whiteley, Fareham, Hampshire PO15 7JZ.

Zurich Insurance plc is authorised by the Central Bank of Ireland and authorised and subject to limited regulation by the Financial Conduct Authority. Details about the extent of our authorisation by the Financial Conduct Authority are available from us on request. Our FCA Firm Reference Number is 203093.

Communications may be monitored or recorded to improve our service and for security and regulatory purposes.

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Your Policy

This is a legal document and should be kept in a safe place.

This policy is an agreement between **You** and **Us** and cover is provided subject to the payment of the **Premium**.

You must read this policy and its conditions, exclusions, schedule and any endorsements as one contract. Please read all of them to make sure that they provide the cover **You** require. If they do not, please contact **Us** or **Your** insurance adviser who arranged the policy for **You**.

When **You** take out and make changes to the cover provided by this policy, **You** must take reasonable care to ensure that **You** accurately answer any questions which **We** ask of **You** and that any information **You** give **Us** is accurate. If **You** are taking out this policy for purposes which are mainly related to **Your** trade, business or profession, **You** must also let **Us** know about all facts which are material to **Our** decision to provide **You** with insurance. Failure to meet these obligations could result in this policy being invalidated, a claim not being paid, or an additional premium being charged.

Fair presentation of the risk

a) At inception of this policy and also whenever changes are made to it at **Your** request **You** must:

- i) where **You** have taken out this policy for purposes which are wholly or mainly related to **Your** trade, business or profession, disclose to **Us** all material facts in a clear and accessible manner and not misrepresent any material facts, and
- ii) where **You** have taken out this policy for purposes which are wholly or mainly unrelated to **Your** trade, business or profession, take reasonable care not to misrepresent any material facts.

b) If **You** do not comply with clause a) of this condition **We** may:

- i) avoid this policy which means that **We** will treat it as if it had never existed and refuse all claims where any non-disclosure or misrepresentation by **You** is proven by **Us** to be deliberate or reckless in which case **We** will not return the premium paid by **You**; and
- ii) recover from **You** any amount **We** have already paid for any claims including costs or expenses **We** have incurred.

c) If **You** do not comply with clause a) of this condition and the non-disclosure or misrepresentation is not deliberate or reckless this policy may be affected in one or more of the following ways depending on what **We** would have done if **We** had known about the facts which **You** failed to disclose or misrepresented:

- i) if **We** would not have provided **You** with any cover **We** will have the option to:
 - 1. avoid the policy which means that **We** will treat it as if it had never existed and repay the premium paid; and
 - 2. recover from **You** any amount **We** have already paid for any claims including costs or expenses **We** have incurred
- ii) if **We** would have applied different terms to the cover **We** will have the option to treat this policy as if those different terms apply. **We** may recover any payments made by **Us** on claims which have already been paid to the extent that such claims would not have been payable had such additional terms been applied
- iii) if **We** would have charged **You** a higher premium for providing the cover **We** will charge **You** the additional premium which **You** must pay in full.

d) If any insured person, other than **You**, is responsible for a misrepresentation or failure to make a fair presentation of the risk, **We** will invoke the remedies available to **Us** under this condition as against that particular person as if a separate insurance contract had been issued to them leaving the remainder of the policy unaffected.

NB: For the purposes of the duty of disclosure stated in paragraphs a) i) and ii) above the content of the **Coal Mining Search Report** will be deemed to satisfy **Your** disclosure obligations.

Cover

- 1. **You** are in the process of purchasing the **Property** relying on the **Coal Mining Search Report** and/or
- 2. **You** (being a lender) have agreed to provide a **Mortgage** in connection with **Your** borrower's purchase or re-mortgage of the **Property** relying on the **Coal Mining Search Report**.

We will pay the following losses sustained by **You** arising out of the **Property** being affected by any matter which would have been revealed by a **Search** had one been carried out on the date of the **Coal Mining Search Report** but which was not revealed by the **Coal Mining Search Report**:



1. any reduction in **Market Value** of the **Property** calculated at the date **You** become aware of the matter(s) and/or loss in connection with a **Mortgage** as a result of such reduction.
2. all other costs and expenses including out of court settlement costs incurred by **Us** or by **You** with **Our** prior written agreement.

Waiver of Breach of Policy Condition

We will not exercise **Our** right to avoid **Our** liability to **You** in respect of loss where **You** have inadvertently breached any term or condition of the policy provided that such breach does not prejudice **Our** rights and remedies under the policy or otherwise directly or indirectly result in or increase the amount of any loss.

Protection for Mortgagees and Successors in Title

We will not avoid **Our** liability to make a payment to **You** solely because another person breaches the terms and conditions of this policy, provided such breach was not committed on **Your** behalf or with **Your** agreement, and **We** will invoke the remedies available to **Us** under the Policy as against that other person as if a separate insurance contract had been issued to them leaving the remainder of the policy unaffected.

Joint Insured

Any party insured under this policy standing in the relation of parent company, subsidiary company, associated company, branch office or joint venture partner to each other will be deemed to be joint insured for the purposes of this policy and jointly liable and responsible for any breach of any terms and conditions of this policy. If there is any inconsistency between this clause and any other term of this policy, this clause shall prevail.

Exclusions

We will not pay for any:

1. amount in excess of the **Limit of Indemnity**.
2. loss which would be recoverable under a household buildings insurance policy.
3. loss arising from any matter that **You** were aware of at the **Commencement Date**.
4. loss if the **Property** is used for any purpose other than the **Insured Use**.

Claims Conditions and How to Claim

1. **You** must:

- i) give **Us** written notice as soon as possible of any potential or actual claim or any circumstances likely to result in a claim. Please provide the policy number, **Your** name, the full address of the **Property** and a brief description of the incident that has occurred. Notifications should be sent to: Speciality Lines Claims Team, Zurich Insurance, 8th Floor, 70 Mark Lane, London, EC3R 7NQ. Email: claims@uk.zurich.com ↗, Enquiry line: telephone 0207 648 3523
- ii) pass all court documents and/or other communications to **Us** as soon as possible after receipt
- iii) not deal with, make any admission of liability or attempt to settle a claim without **Our** prior written agreement.
- iv) agree to and carry out at **Our** expense all things necessary to minimise any loss.
- v) provide all information and assistance that **We** may require to help defend and settle the claim.

2. **We** are entitled to:

- i) decide how to settle or defend a claim and may carry out proceedings in the name of any person insured under this policy, including proceedings for recovering any claim.
- ii) pay to **You** at any time, an amount equal to the **Limit of Indemnity** or any lower amount for which the claim can be settled, after deduction of any sum already paid. **We** may then give up control of and have no further liability in connection with the claim.

3. If **We** admit liability for a claim but there is a dispute as to the amount to be paid the dispute will be referred to an arbitrator. The arbitrator will be appointed jointly by **You** and **Us** in accordance with the law at the time. **You** may not take any legal action against **Us** over the dispute before the arbitrator has reached a decision.

4. If **You** or anyone acting on Your behalf:



- a) makes a fraudulent or exaggerated claim under this policy; or
- b) uses fraudulent means or devices including the submission of false or forged documents in support of a claim whether or not the claim is itself genuine; or
- c) makes a false statement in support of a claim whether or not the claim is itself genuine; or
- d) submits a claim under this policy for loss or damage which **You** or anyone acting on **Your** behalf or in connivance with **You** deliberately caused; or
- e) realises after submitting what **You** reasonably believed was a genuine claim under this policy and then fails to tell **Us** that **You** have not suffered any loss or damage; or
- f) suppresses information which **You** know would otherwise enable **Us** to refuse to pay a claim under this policy

We will be entitled to refuse to pay the whole of the claim and recover any sums that **We** have already paid in respect of the claim.

If any fraud is perpetrated by or on behalf of an insured person and not on behalf of **You** this condition should be read as if it applies only to that insured person's claim and references to this policy should be read as if they were references to the cover effected for that person alone and not to the policy as a whole.

5. If any claim is covered by any other insurance, **We** will not pay for more than **Our** share of that claim.

6. The most **We** will pay for any loss (or all losses in the aggregate), including costs and expenses agreed by **Us** is the **Limit of Indemnity**. Once **We** have paid a loss or losses equal to the amount of the **Limit of Indemnity**, **We** will have no further liability under this policy.

General Conditions

1. Neither **You** (nor anyone acting on **Your** behalf) must disclose the existence of this policy to any other party except **Your** legal and other professional advisers, prospective purchasers, lessees and tenants of the **Property**, their respective mortgagees, legal and other professional advisers.
2. In the UK the law allows both **You** and **Us** to choose the law applicable to the contract. This contract will be subject to the relevant law of England and Wales, Scotland, Northern Ireland, the Isle of Man or the Channel Islands depending upon the **Property** address stated in the Schedule. If there is any dispute as to which law applies it will be English law. The parties agree to submit to the exclusive jurisdiction of the English courts.
3. Notwithstanding any other terms of this policy **We** will be deemed not to provide cover nor will **We** make any payment or provide any service or benefit to **You** or any other party to the extent that such cover, payment, service, benefit and/or any business or activity of **Yours** would violate any applicable trade or economic sanctions law or regulation.

Cancellation Clause

If **You** have taken out this policy for purposes which are wholly or mainly unrelated to **Your** trade, business or profession, **You** may cancel this policy within 14 days of receiving the policy by writing to **Us** and in such event **We** may, at **Our** discretion, charge **You** for the time that **You** have been on cover. Any refund will be made to the party who paid the premium. If **You** do cancel, **You** may be in breach of the terms of **Your** mortgage or the terms of the contract for the sale of **Your** property. If **You** are in doubt, **You** may wish to seek legal advice prior to cancellation.

Fair Processing and Complaints Procedure

Our Complaints Procedure

Our commitment to customer service

We are committed to providing a high level of customer service. If you feel we have not delivered this, we would welcome the opportunity to put things right for you.

Who to contact in the first instance

Many concerns can be resolved straight away. Therefore in the first instance, please get in touch with your usual contact at Zurich or your broker or insurance intermediary, as they will generally be able to provide you with a prompt response to your satisfaction.

Contact details will be provided on correspondence that we or our representatives have sent you.

Many complaints can be resolved within a few days of receipt

If we can resolve your complaint to your satisfaction within the first few days of receipt, we will do so. Otherwise, we will keep you



updated with progress and will provide you with our decision as quickly as possible.

Next steps if you are still unhappy

If you are not happy with the outcome of your complaint, you may be able to ask the Financial Ombudsman Service to review your case.

We will let you know if we believe the ombudsman service can consider your complaint when we provide you with our decision. The service they provide is free and impartial, but you would need to contact them within 6 months of the date of our decision.

More information about the ombudsman and the type of complaints they can review is available via their website www.financial-ombudsman.org.uk ↗.

You can also contact them as follows:

Post: Financial Ombudsman Service, Exchange Tower, London, E14 9SR

Telephone: 08000 234567 (free on mobile phones and landlines)

Email: complaint.info@financial-ombudsman.org.uk ↗

If the Financial Ombudsman Service is unable to consider your complaint, you may wish to obtain advice from the Citizens Advice Bureau or seek legal advice.

The Financial Services Compensation Scheme (FSCS)

We are covered by the Financial Services Compensation Scheme (FSCS) which means that you may be entitled to compensation if we are unable to meet our obligations to you. Further information is available on www.fscs.org.uk ↗ or by contacting the FSCS directly on 0800 678 1100.

How we use your information

Who controls your personal information

This notice tells you how Zurich Insurance plc ('Zurich'), as data controller, will deal with your personal information. Where Zurich introduces you to a company outside the group, that company will tell you how your personal information will be used.

You can ask for further information about our use of your personal information or complain about its use in the first instance, by contacting our Data Protection Officer at: Zurich Insurance Group, Tri-centre 1, Newbridge Square, Swindon, SN1 1HN or by emailing the Data Protection Officer at GBZ.General.Data.Protection@uk.zurich.com ↗.

If you have any concerns regarding our processing of your personal information, or are not satisfied with our handling of any request by you in relation to your rights, you also have the right to make a complaint to the Information Commissioner's Office. Their address is: First Contact Team, Information Commissioner's Office, Wycliffe House, Water Lane, Wilmslow, SK9 5AF.

What personal information we collect about you

We will collect and process the personal information that you give us by phone, e-mail, filling in forms, including on our website, and when you report a problem with our website. We also collect personal information from your appointed agent such as your trustee, broker, intermediary or financial adviser in order to provide you with the services you have requested and from other sources, such as credit reference agencies and other insurance companies, for verification purposes. We will also collect information you have volunteered to be in the public domain and other industry-wide sources. We will only collect personal information that we require to fulfil our contractual or legal requirements unless you consent to provide additional information. The type of personal information we will collect includes; basic personal information (i.e. name, address and date of birth), occupation and financial details, health and family information, claims and convictions information and where you have requested other individuals be included in the arrangement, personal information about those individuals.

If you give us personal information on other individuals, this will be used to provide you with a quotation and/or contract of insurance and/or provision of financial services. You agree you have their permission to do so. Except where you are managing the contract on another's behalf, please ensure that the individual knows how their personal information will be used by Zurich. More information about this can be found in the 'How we use your personal information' section.

How we use your personal information

We and our selected third parties will only collect and use your personal information (i) where the processing is necessary in connection with providing you with a quotation and/or contract of insurance and/or provision of financial services that you have requested; (ii) to meet our legal or regulatory obligations; or (iii) for our 'legitimate interests'. It is in our legitimate interests to collect



your personal information as it provides us with the information that we need to provide our services to you more effectively including providing you with information about our products and services. We will always ensure that we keep the amount of information collected and the extent of any processing to the absolute minimum to meet this legitimate interest. Examples of the purposes for which we will collect and use your personal information are:

1. to provide you with a quotation and/or contract of insurance;
2. to identify you when you contact us;
3. to deal with administration and assess claims;
4. to make and receive payments;
5. to obtain feedback on the service we provide to you;
6. to administer our site and for internal operations including troubleshooting, data analysis, testing, research, statistical and survey purposes;
7. for fraud prevention and detection purposes.

We will contact you to obtain consent prior to processing your personal information for any other purpose, including for the purposes of targeted marketing unless we already have consent to do so.

Who we share your personal information with

Where necessary, we will share the personal information you gave us for the purposes of providing you with the goods and services you requested with the types of organisations described below:

associated companies including reinsurers, suppliers and service providers;
introducers and professional advisers;
regulatory and legal bodies;
survey and research organisations;
credit reference agencies;
healthcare professionals, social and welfare organisations; and
other insurance companies

Or, in order to meet our legal or regulatory requirements, with the types of organisations described below:

regulatory and legal bodies;
central government or local councils;
law enforcement bodies, including investigators;
credit reference agencies; and
other insurance companies

How we use your personal information for websites and email communications

When you visit one of our websites we may collect information from you such as your email address or IP address. This helps us to track unique visits and monitor patterns of customer website traffic, such as who visits and why they visit.

We use cookies and/or pixel tags on some pages of our website. A cookie is a small text file sent to your computer. A pixel tag is an invisible tag placed on certain pages of our website but not on your computer. Pixel tags usually work together with cookies to assist us to provide you with a more tailored service. This allows us to monitor and improve our email communications and website. Useful information about cookies, including how to remove them, can be found on our websites.

How we transfer your personal information to other countries

Where we transfer your personal information to countries that are outside of the UK and the European Union (EU) we will ensure that it is protected and that the transfer is lawful. We will do this by ensuring that the personal information is given adequate safeguards by using 'standard contractual clauses' which have been adopted or approved by the UK and the EU, or other solutions that are in line with the requirements of European data protection laws.

A copy of our security measures for personal information transfers can be obtained from our Data Protection Officer at: Zurich Insurance Group, Tri-centre 1, Newbridge Square, Swindon, SN1 1HN, or by emailing the Data Protection Officer at GBZ.General.Data.Protection@uk.zurich.com ↗.

How long we keep your personal information for

We will retain and process your personal information for as long as necessary to meet the purposes for which it was originally



collected. These periods of time are subject to legal, tax and regulatory requirements or to enable us to manage our business.

Your data protection rights

You have a number of rights under the data protection laws, namely:

- to access your data (by way of a subject access request);
 - to have your data rectified if it is inaccurate or incomplete;
 - in certain circumstances, to have your data deleted or removed;
 - in certain circumstances, to restrict the processing of your data;
 - a right of data portability, namely to obtain and reuse your data for your own purposes across different services;
 - to object to direct marketing;
 - not to be subject to automated decision making (including profiling), where it produces a legal effect or a similarly significant effect on you;
 - to claim compensation for damages caused by a breach of the data protection legislation.
- if we are processing your personal information with your consent, you have the right to withdraw your consent at any time.

We will, for the purposes of providing you with a contract of insurance, processing claims, reinsurance and targeted marketing, process your personal information by means of automated decision making and profiling where we have a legitimate interest or you have consented to this.

What happens if you fail to provide your personal information to us

If you do not provide us with your personal information, we will not be able to provide you with a contract or assess future claims for the service you have requested.

Fraud prevention and detection

In order to prevent and detect fraud we may at any time:

- check your personal data against counter fraud systems
- use your information to search against various publicly available and third party resources
- use industry fraud tools including undertaking credit searches and to review your claims history
- share information about you with other organisations including but not limited to the police, the Insurance Fraud Bureau (IFB), other insurers and other interested parties.

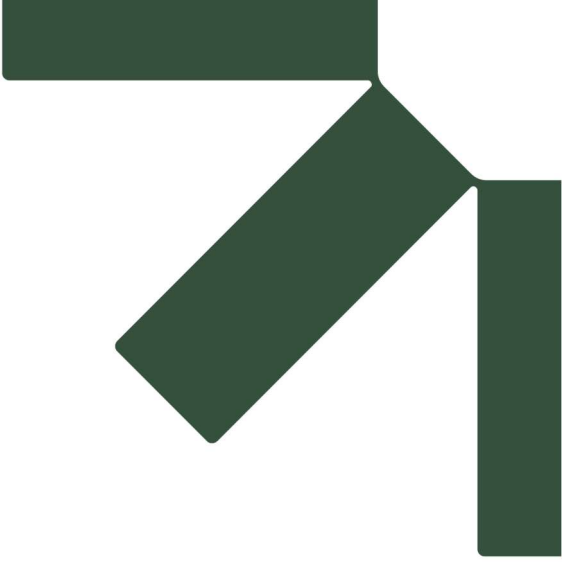
If you provide false or inaccurate information and fraud is identified, the matter will be investigated and appropriate action taken. This may result in your case being referred to the Insurance Fraud Enforcement Department (IFED) or other police forces and fraud prevention agencies. You may face fines or criminal prosecution. In addition, Zurich may register your name on the Insurance Fraud Register, an industry-wide fraud database.

Claims history

We may pass information relating to claims or potential claims to any relevant database. We and other insurers may search these databases when you apply for insurance, when claims or potential claims are notified to us or at time of renewal to validate your claims history or that of any other person or property likely to be involved in the policy or claim.

This helps to check information provided and prevent fraudulent claims.





Appendix E Contaminated Land Officer Response

Preliminary Land Quality Risk Assessment

Bold Forest Garden Village

St Helens Borough Council

SLR Project No.: 410.066257.00001

16 June 2025



Iona Govan
SLR Consulting Limited
Treenwood House
Rowden Lane
Bradford on Avon
Wiltshire
UK
BA15 2AU

St Helens Borough Council
Place Services
PO Box 512
St Helens
Merseyside
WA10 9JX

Email: christopherculley@sthelens.gov.uk
Tel: 01744 676397

25th November 2024

Dear Iona,

Re: Information Request for 'Bold Forest Garden Village'

Further to your recent enquiry please find below a response to your questions;

Please provide relevant Local Authority information on above and below ground storage tanks.

This department does not maintain a specific record of above or below ground storage tanks. However, we have no knowledge of the presence of tanks, either above or below ground in the search area.

Please provide relevant information on Local Authority pollution incidents,

This department has no record of any known pollution incidents within the search area.

Please provide relevant information Local Authority fly tipping, historic private sewer & cesspool overflows and sewage pollution incidents

Having checked with the now disbanded environmental wardens teams and the Council's cleansing team I have been unable to identify records of fly tipping that the Council have responded to associated with the site. Please however be aware that given the significant size of the site and no fixed address it has been difficult to search conclusively for such information. Record retention requirements also mean that the Council will no longer have a record of any older fly tipping incidents that may have occurred.

Local Authorities are no longer responsible for private drainage matters and the date on which responsibilities were transferred pre-dates the Council's retention period for records of private drainage complaints. As such this department has no information in respect of private sewer and cesspool overflows and any associated pollution incidents. United Utilities or the Environment Agency may be able to provide further information in this regard.



Please provide details of any inspection, investigation or determinations carried out under Part IIA EPA

There have been no inspections or investigations under Part 2A within the search area and no determinations have been made.

Please provide copies of available historic aerial photographs.

Please see attached aerial photographs dating back to 1997 and GIS print outs from the potentially contaminated land database.

Please provide GIS printouts from the Council's land contamination database.

Please see attached aerial photographs dating back to 1997 and GIS print outs from the potentially contaminated land database.

Please provide any other relevant information regarding the site and its immediate surrounds, required to support the PLQRA

Although not recorded as such on historic mapping a site within the Abbotsfield Road Industrial Estate historically operated as chemical weapons research facility.

A detailed history of the site can be found online via the following link;

[Poison Gas Works - Sutton Oak CDRE | Sutton Beauty & Heritage](#)

Please note that this website has been made available for information purposes only and the Council cannot warrant, endorse, guarantee, or assume responsibility for the accuracy or reliability of any information contained therein.

Land to the south west of the Frenchfields Crescent estate in the southeast of the site (immediately south west of the electricity substation) was used for the temporary deposit and storage of soils and materials arising from the redevelopment of this site prior to its removal.

I trust that this has satisfactorily addressed your enquiry however should you have any further queries please contact me on 01744 676397.

Yours sincerely.



Chris Culley
Scientific Officer (Contaminated Land)



1997



2005/06 composite



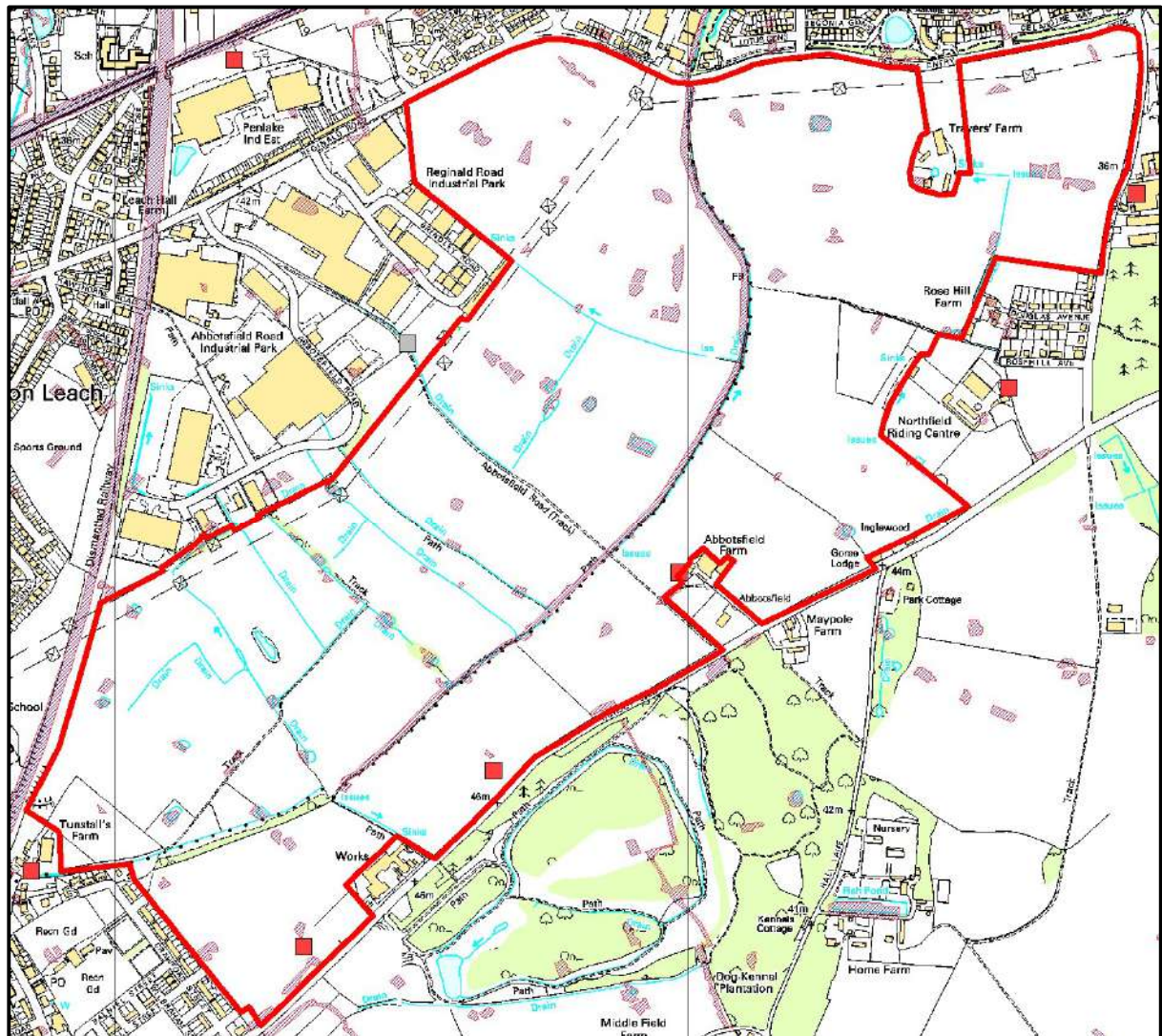
2010

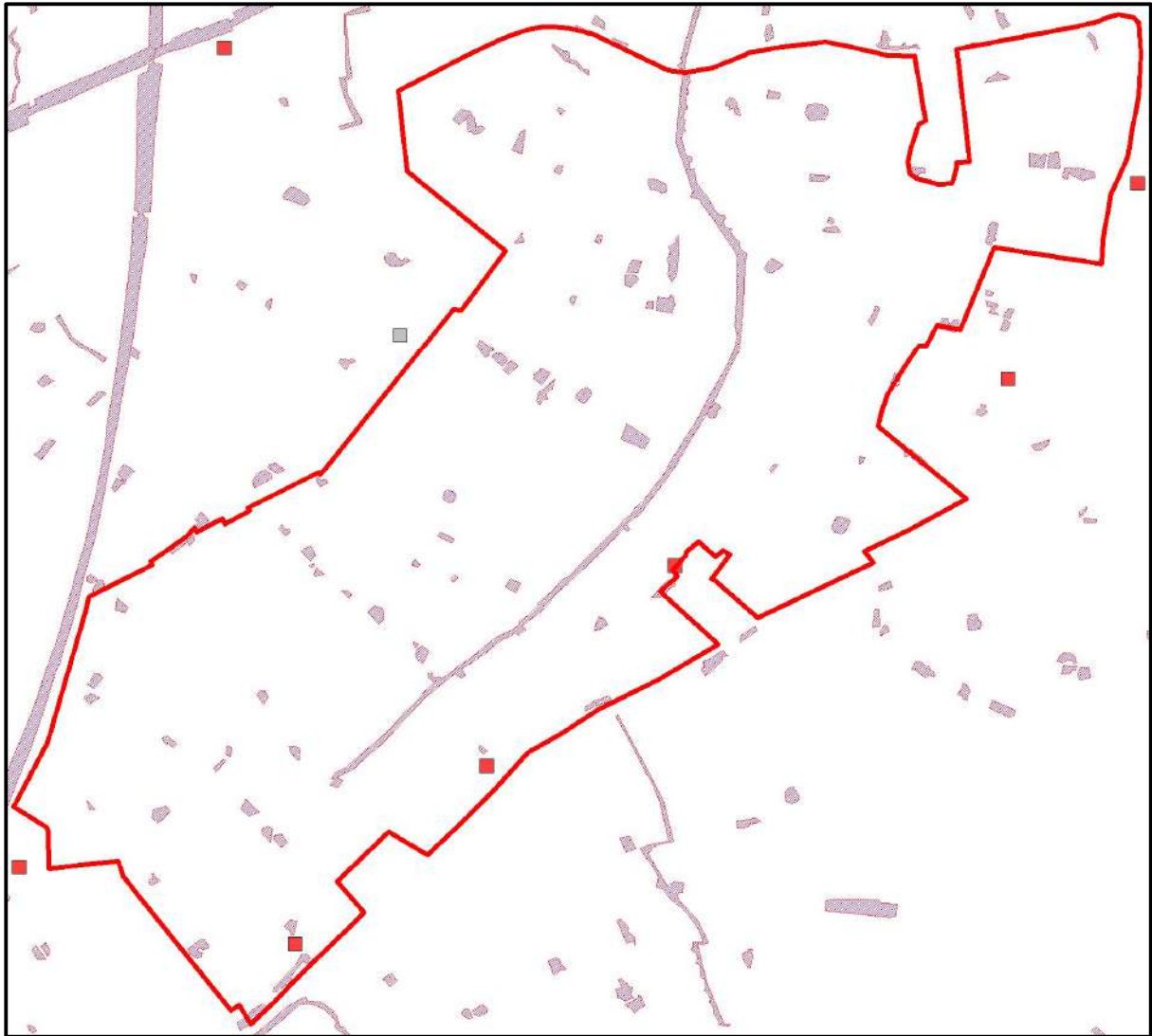


2018



6 inch scale map

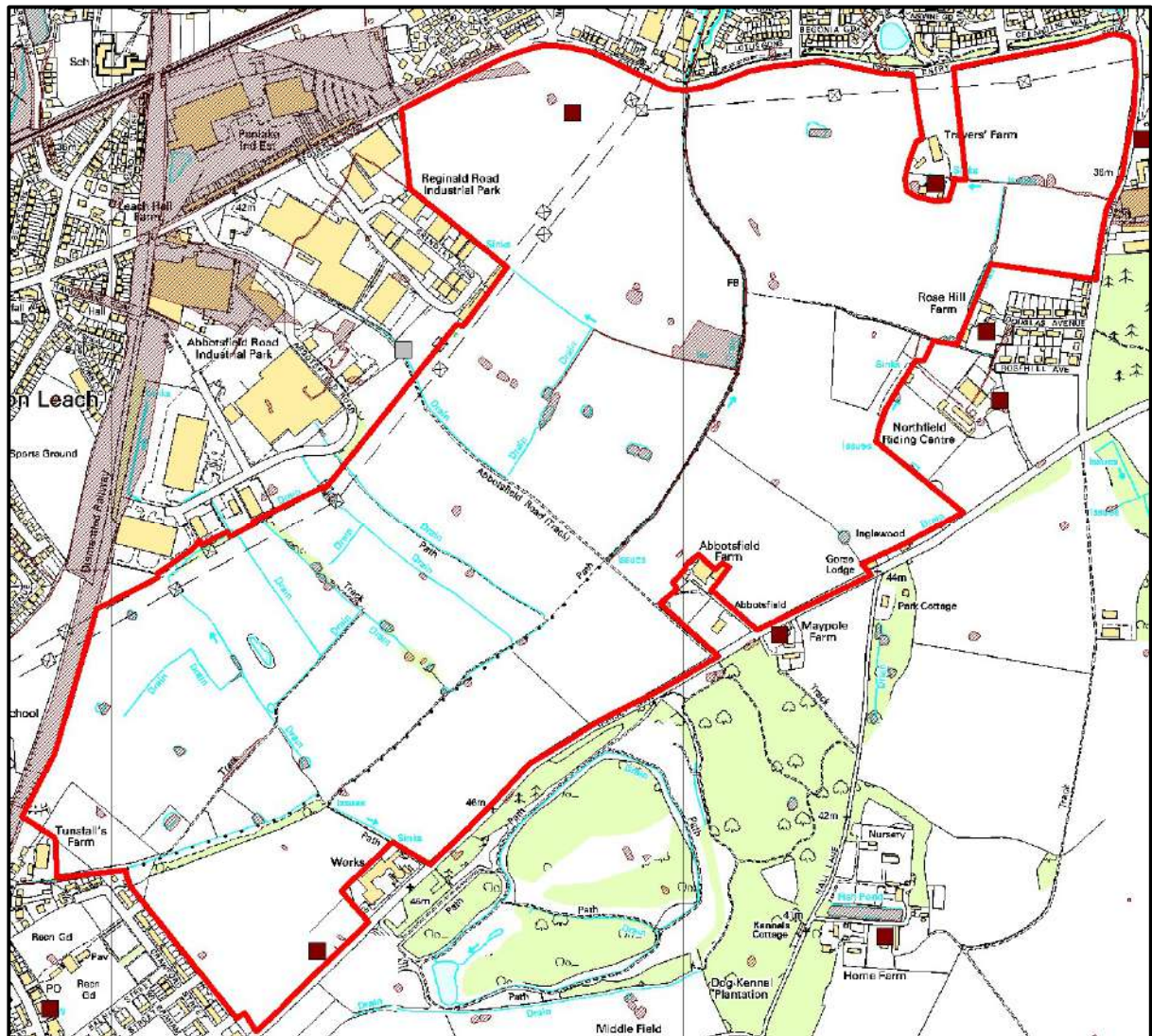


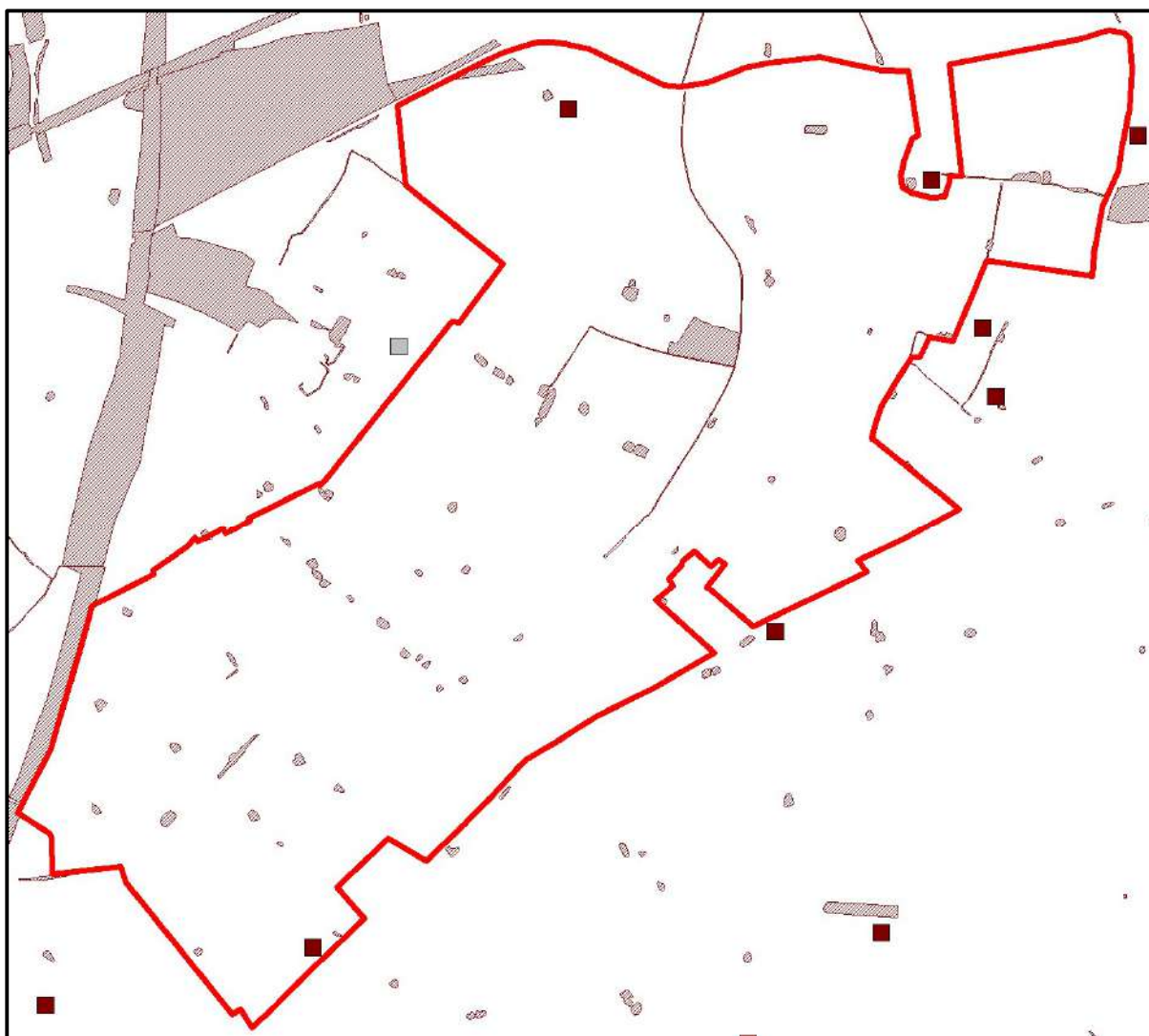


Features:

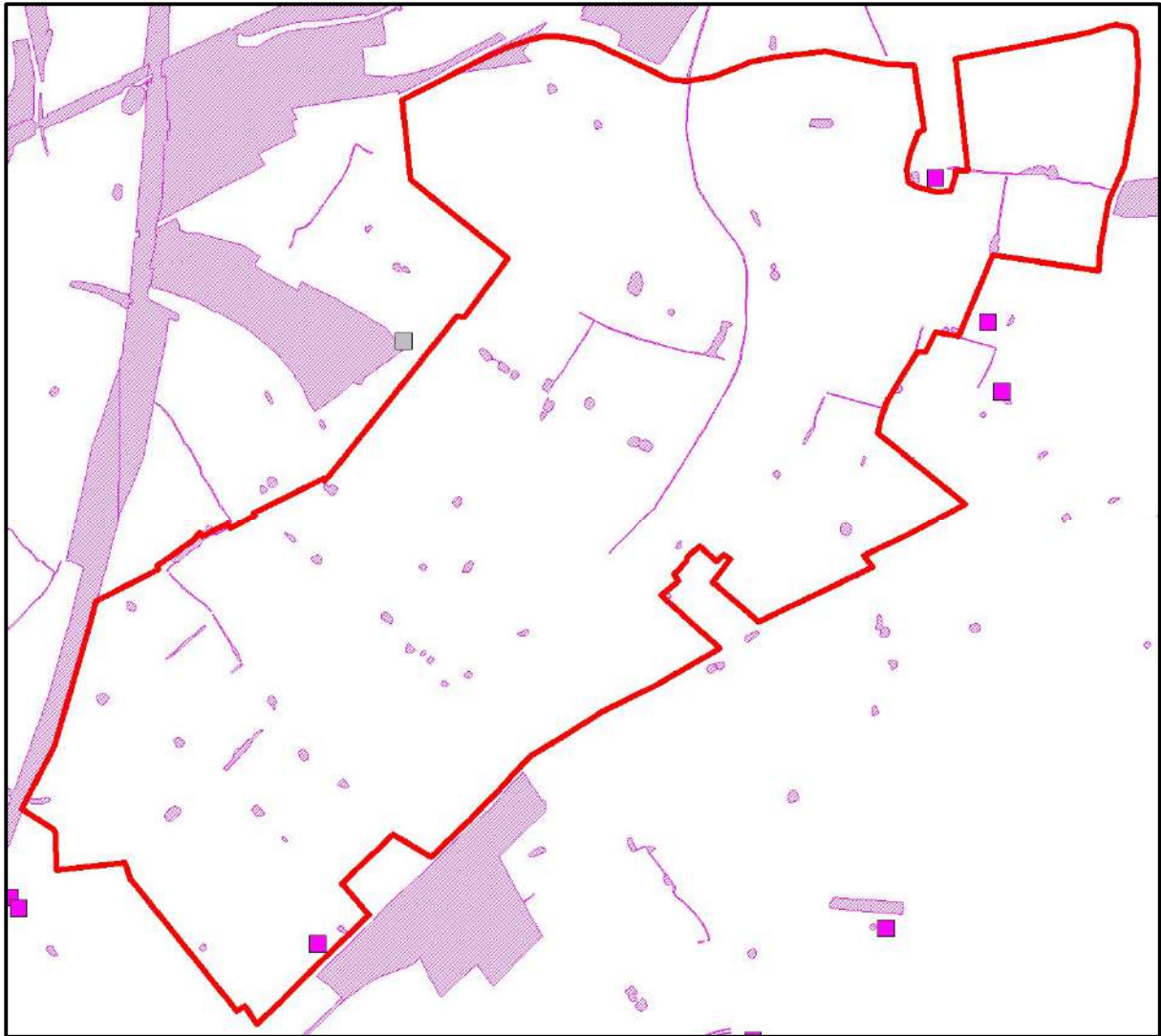
Possible brook and associated water bodies	Running broadly NE to SW centrally through the site
Possible pond/ marsh	Significant number present throughout the site
Wells	Three present close to the southern boundary (red dots)

Epoch 1



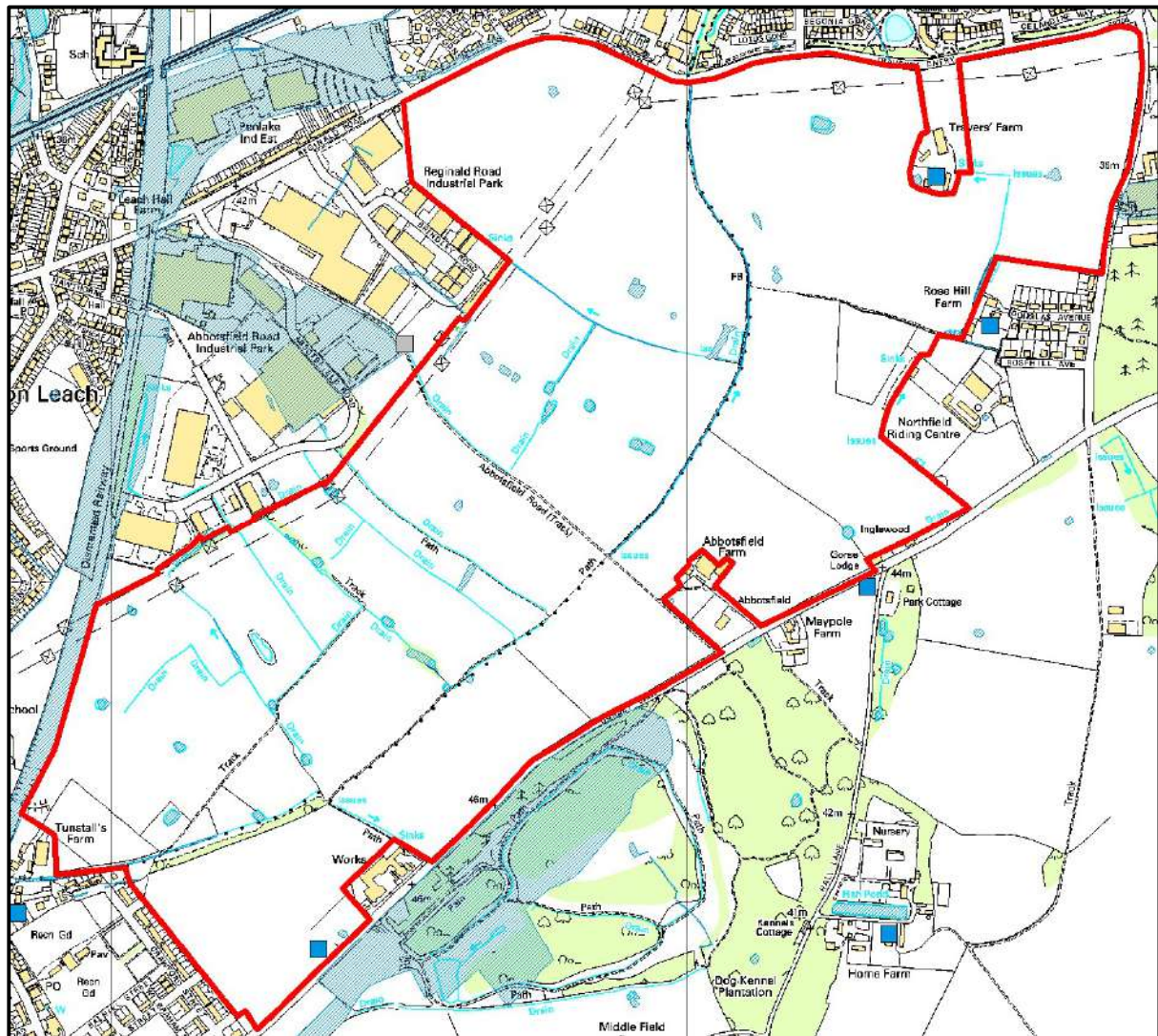


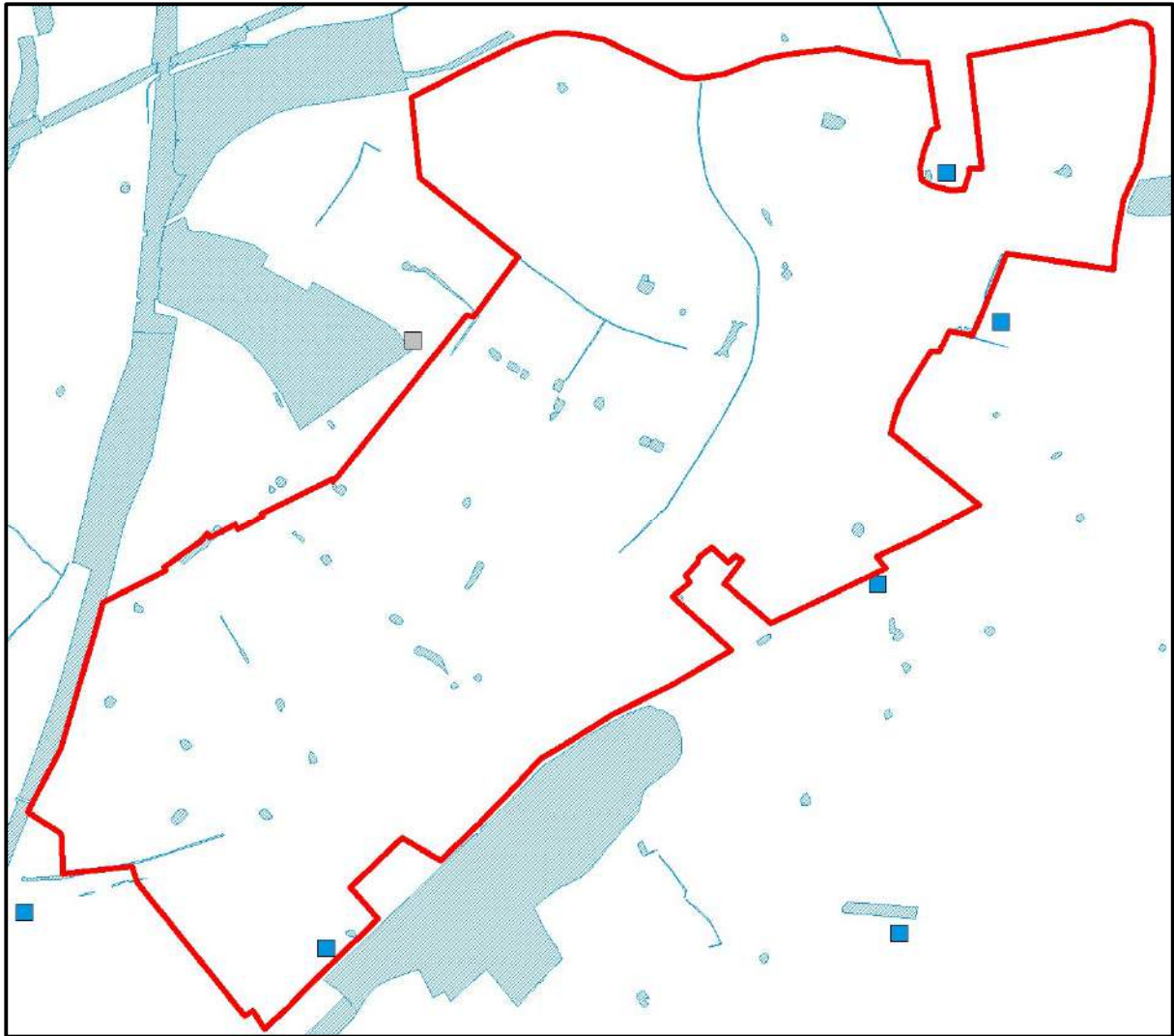
Rifle range	Central northern area of the site – relatively small and broadly rectangular in shape. OS text reads “Rifle Butt – Disused”
Embankment	Impinging on NW corner of site
Ponds	Numerous present throughout the site
Stream	Running broadly north to south centrally through the north of the site
Drainage ditches	North east of site
Wells	SW and NE of site (maroon dots)



Ponds	Numerous present throughout the site
Embankments	Impinging on NW and SW corners
Stream	Running broadly north to south centrally through the north of the site
Drainage ditches	Numerous present throughout the site
Well	SW of site

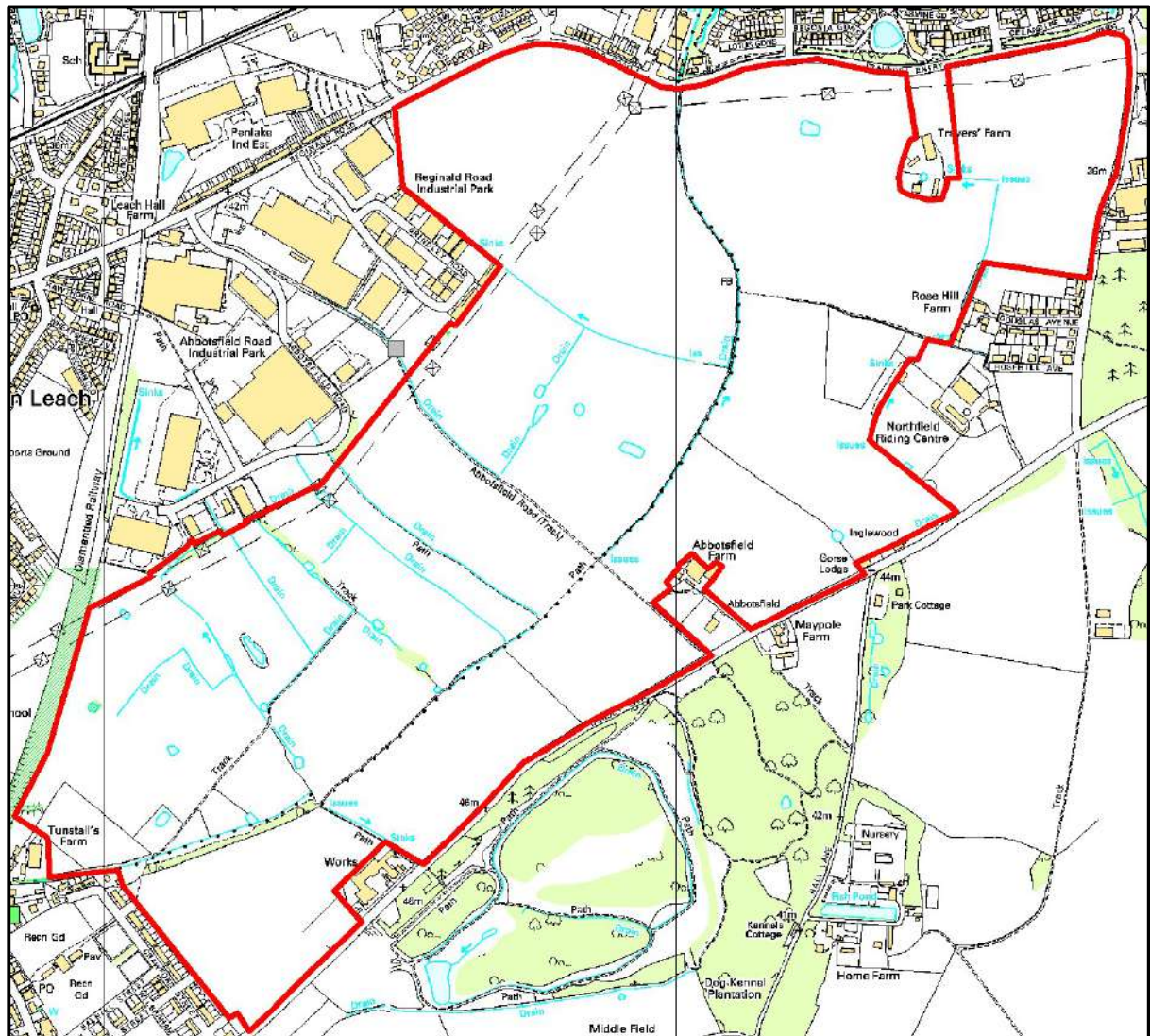
Epoch 3

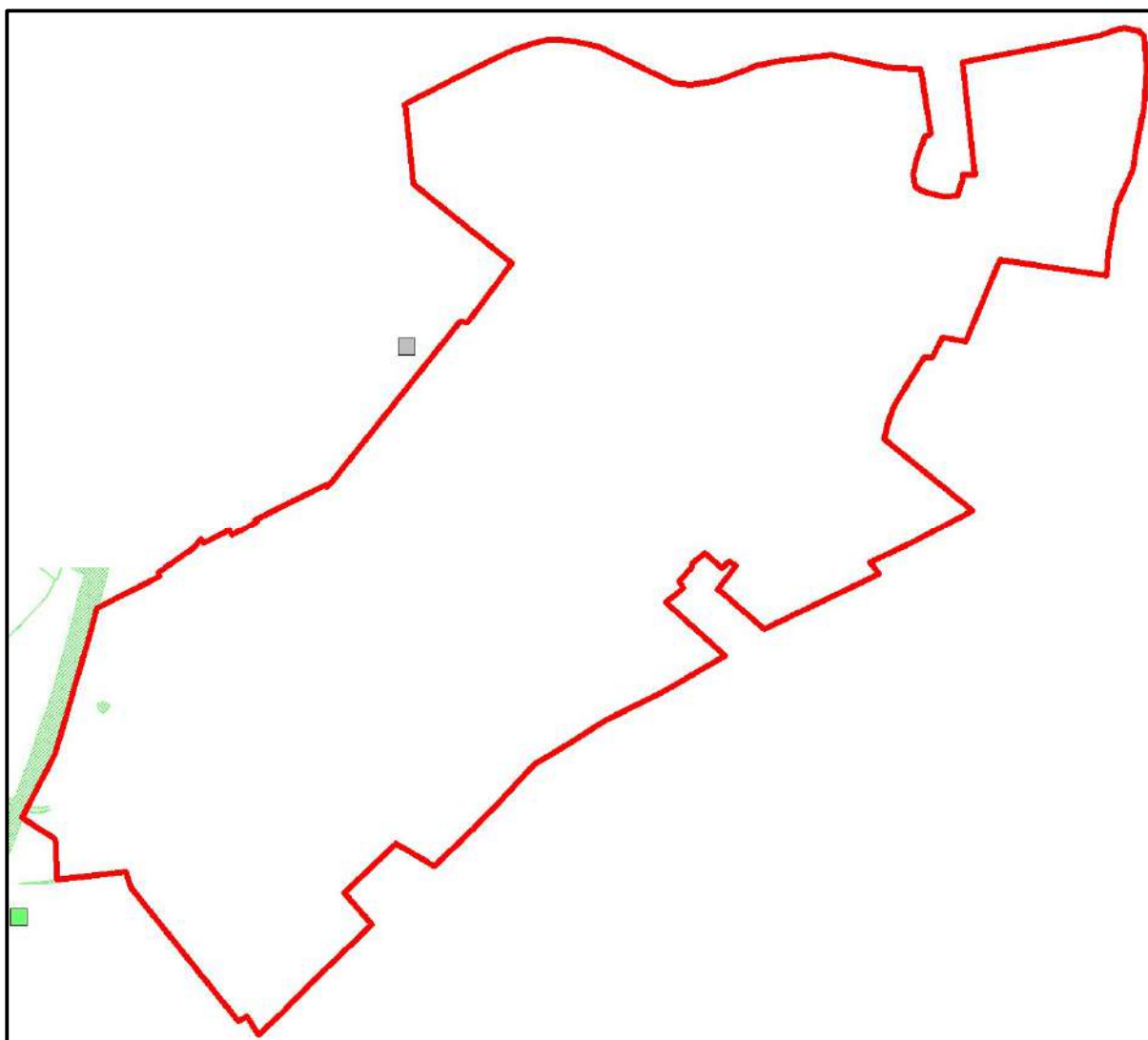




Stream	Running broadly north to south centrally through the north of the site
Ponds	Numerous present throughout the site
Drainage ditches	Numerous present throughout the site

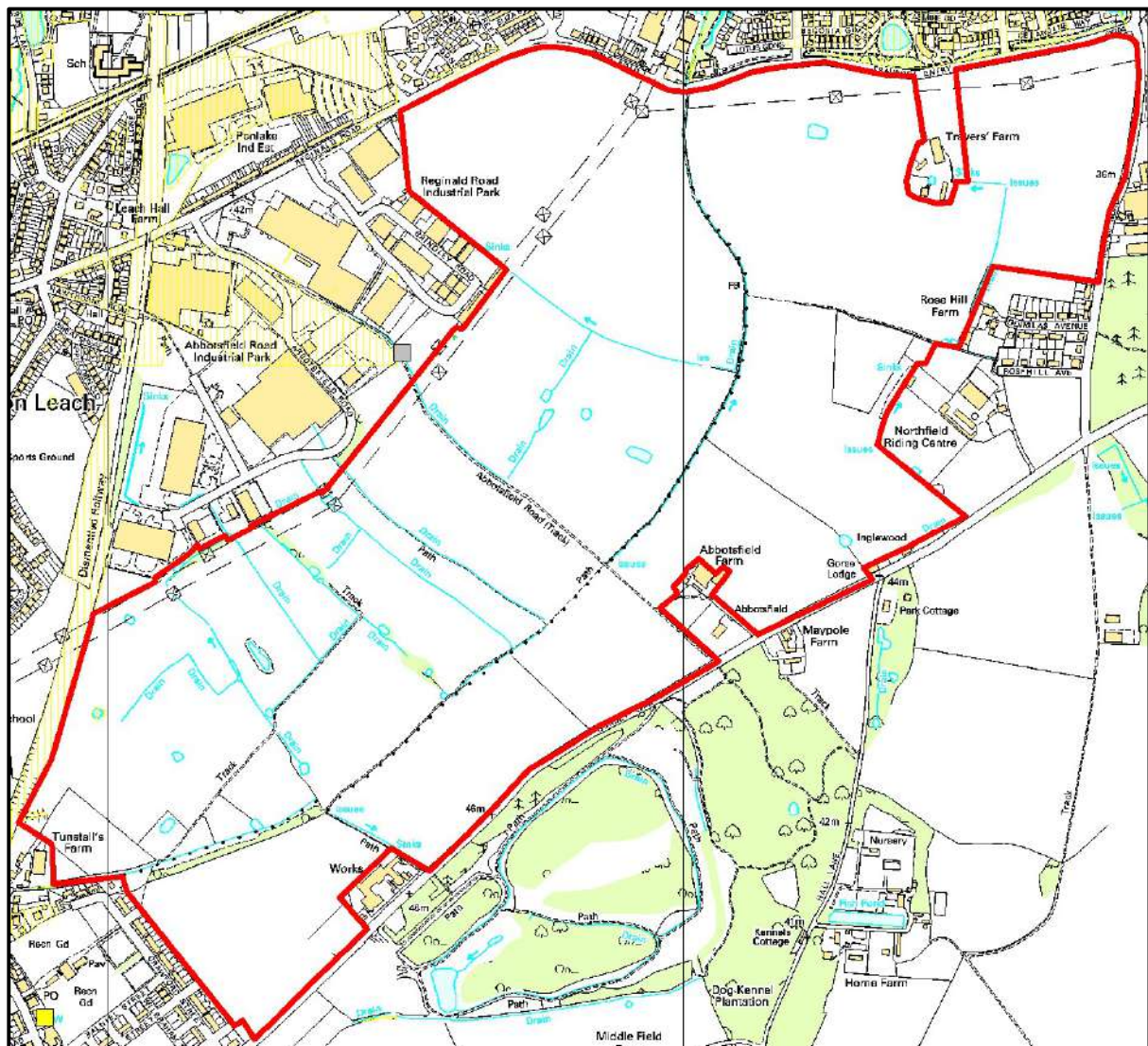
Epoch 4

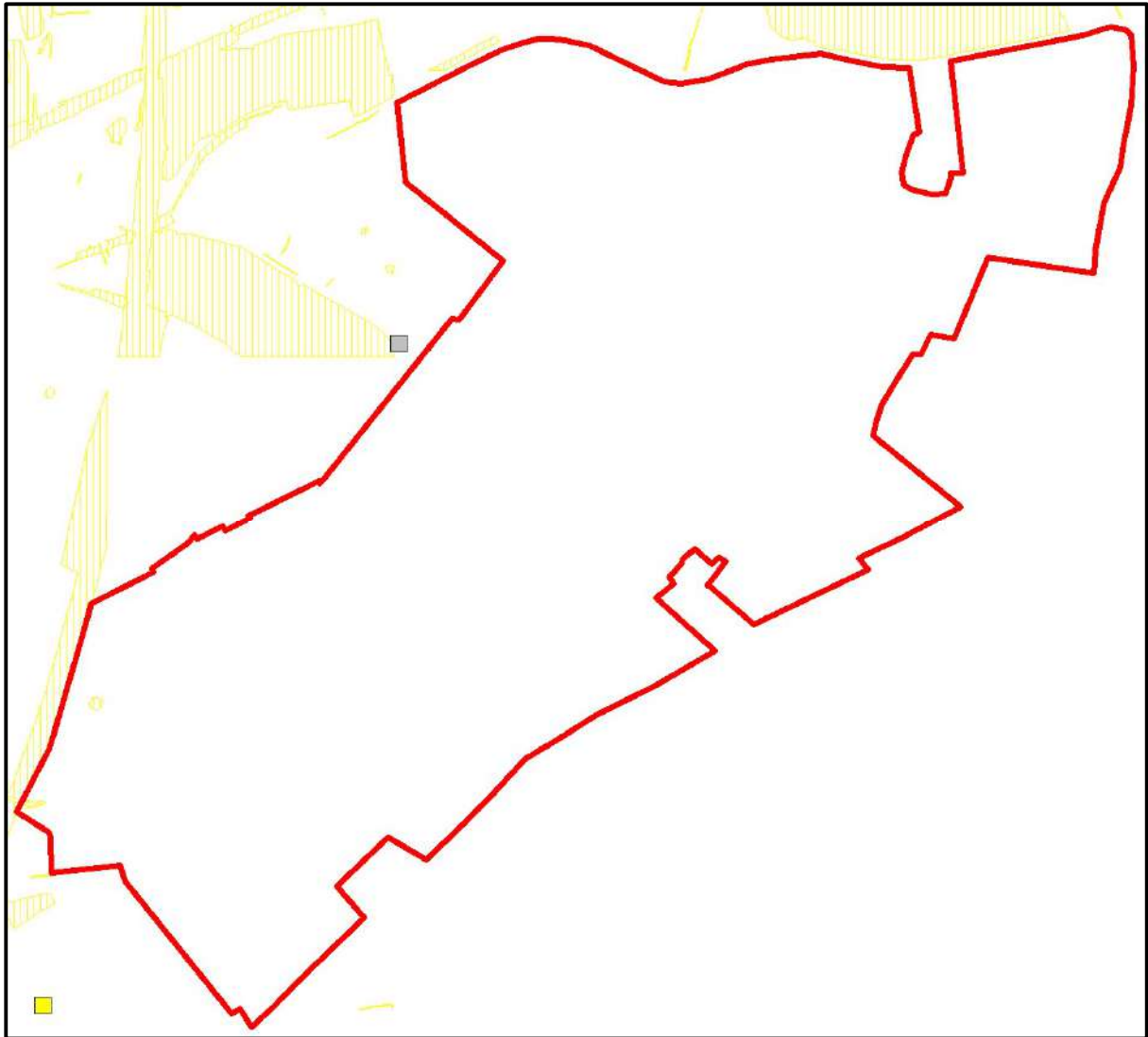




Embankment associated with railway	Impinging on SW corner of site
Pond or possible enclosure	SW of site
No coverage	No mapping coverage throughout the majority of the site

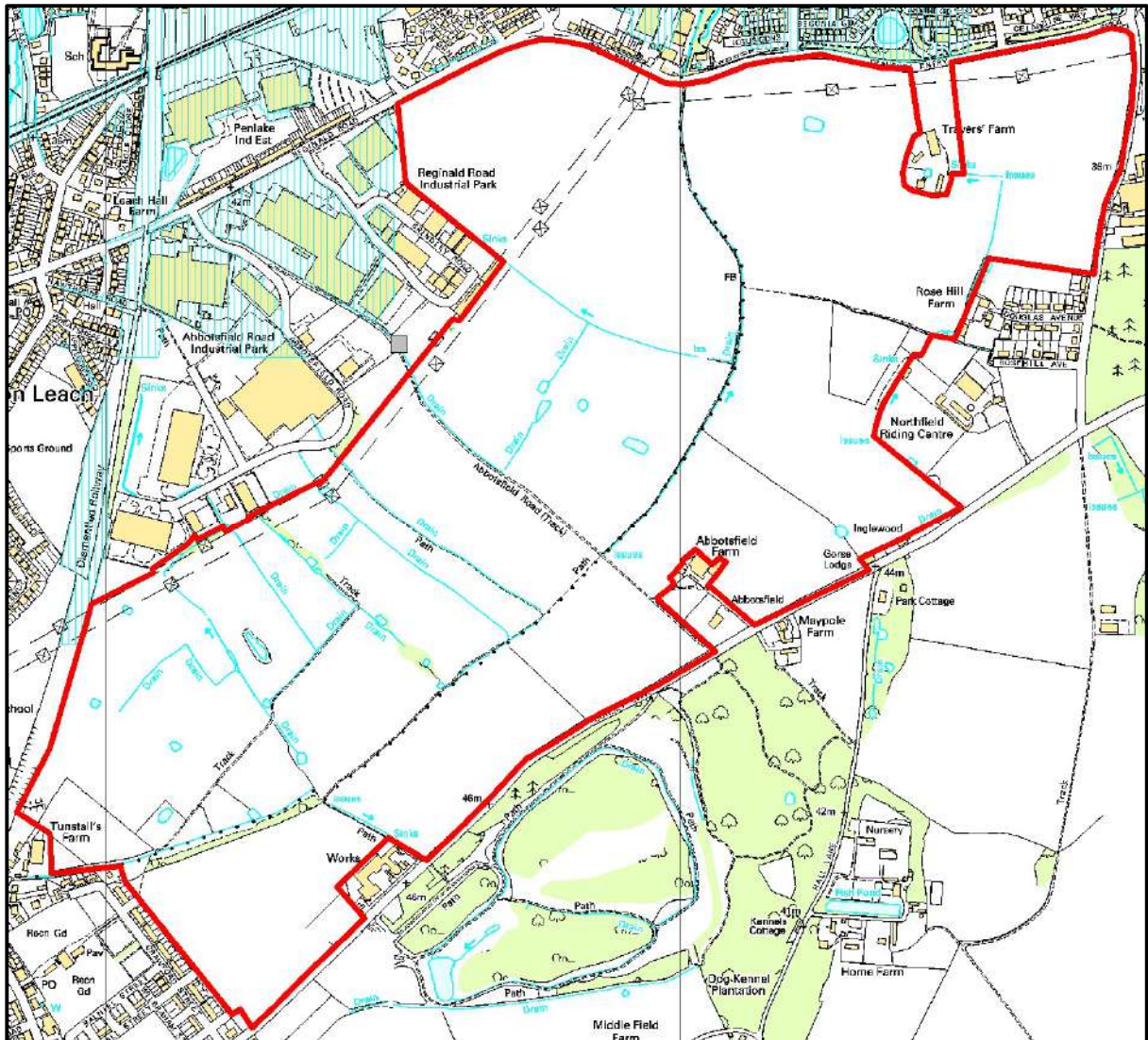
Post war 1250 scale a5

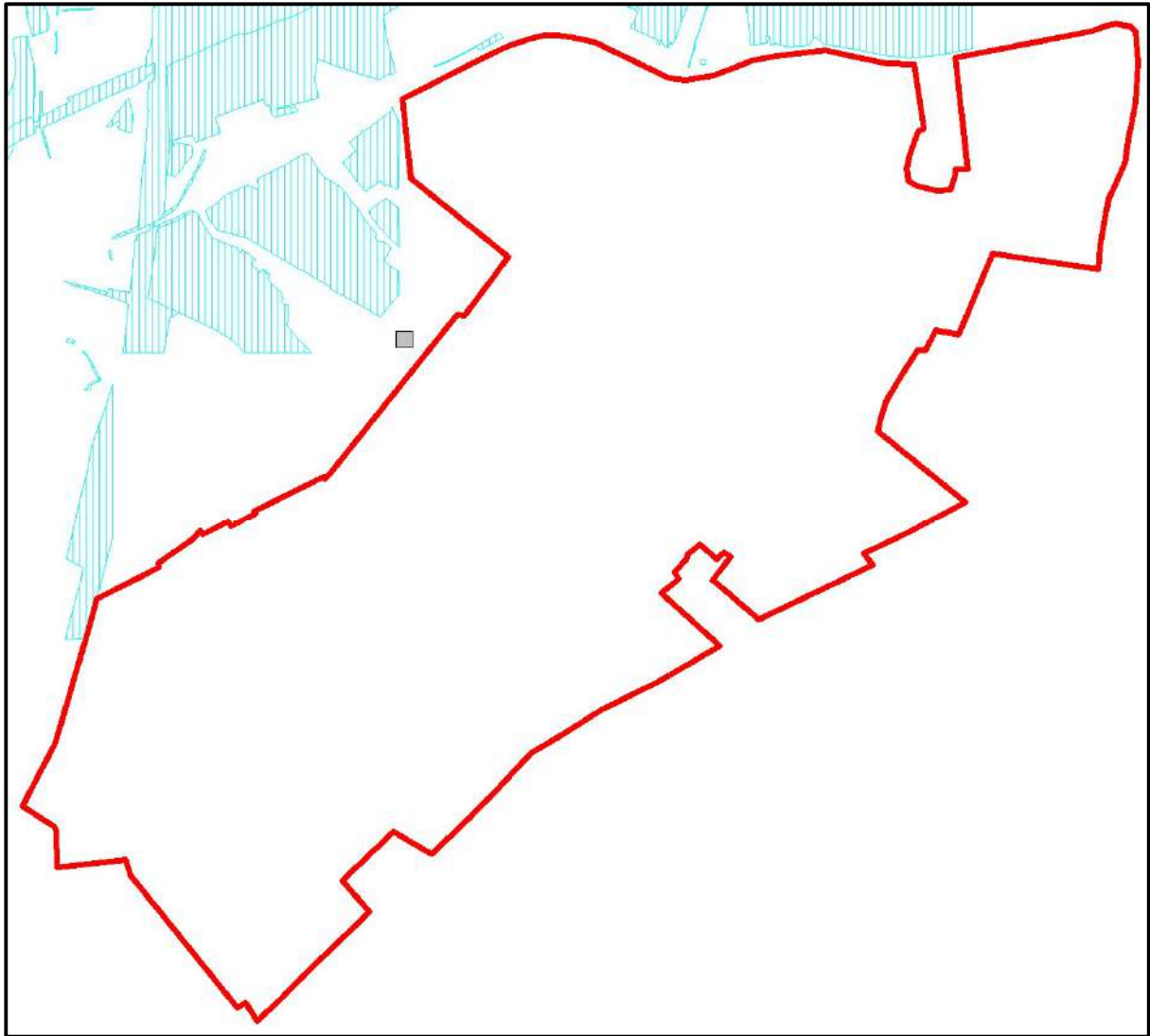




Embankment associated with railway	Impinging on SW corner of site
Pond or possible enclosure	SW of site
No coverage	No mapping coverage throughout the majority of the site

Post war 1250 scale b6

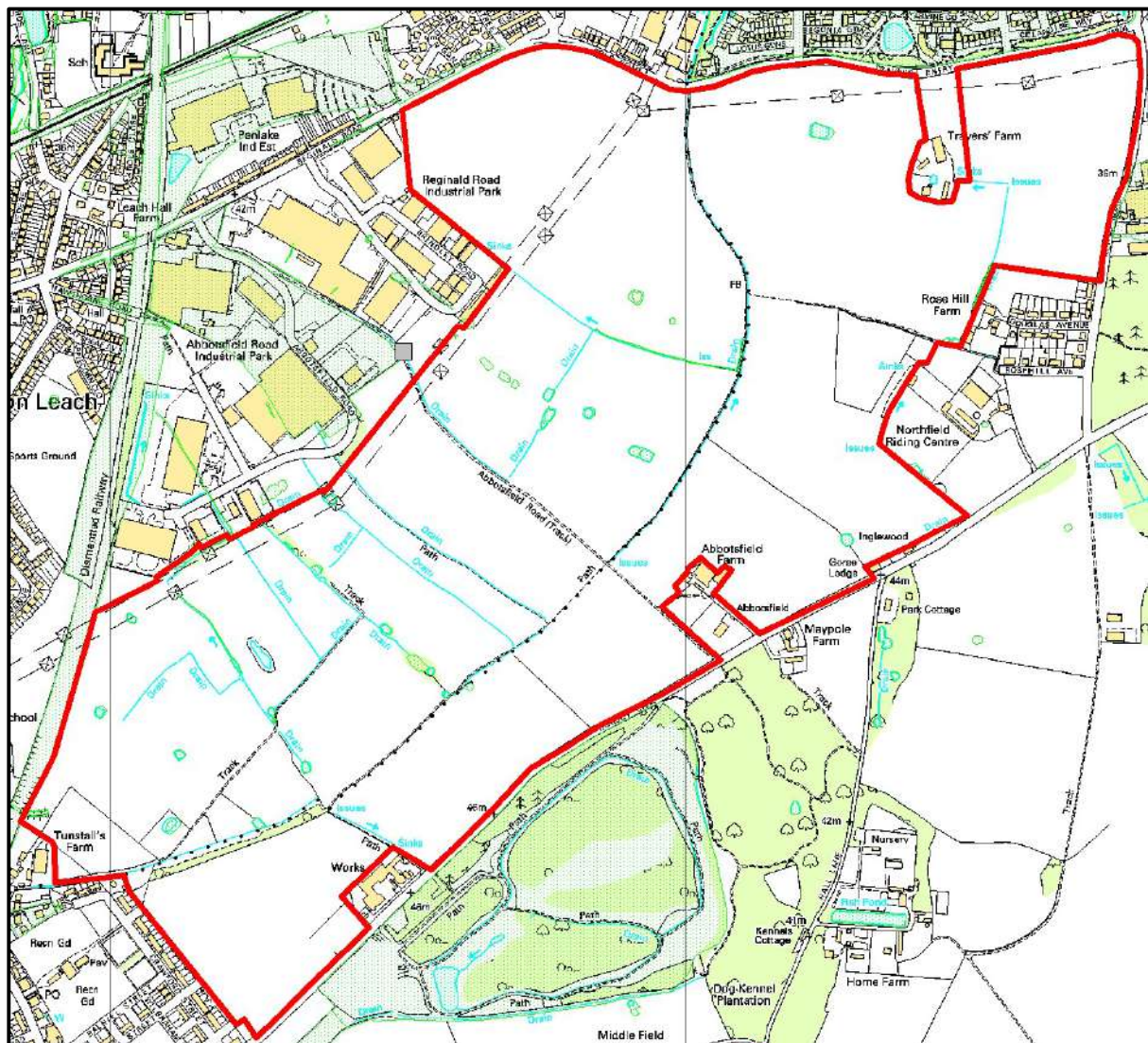


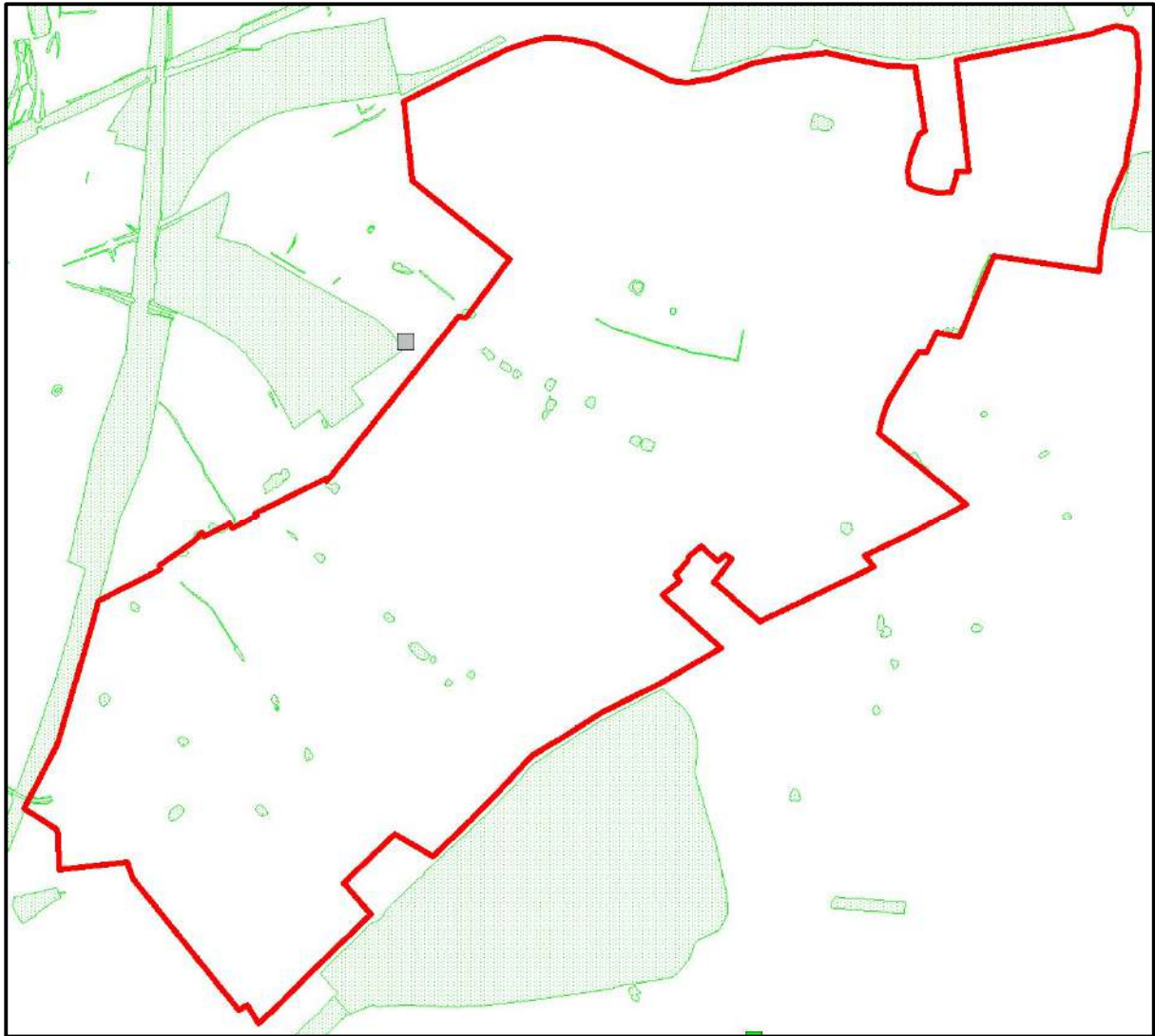


No coverage

No coverage throughout entire site

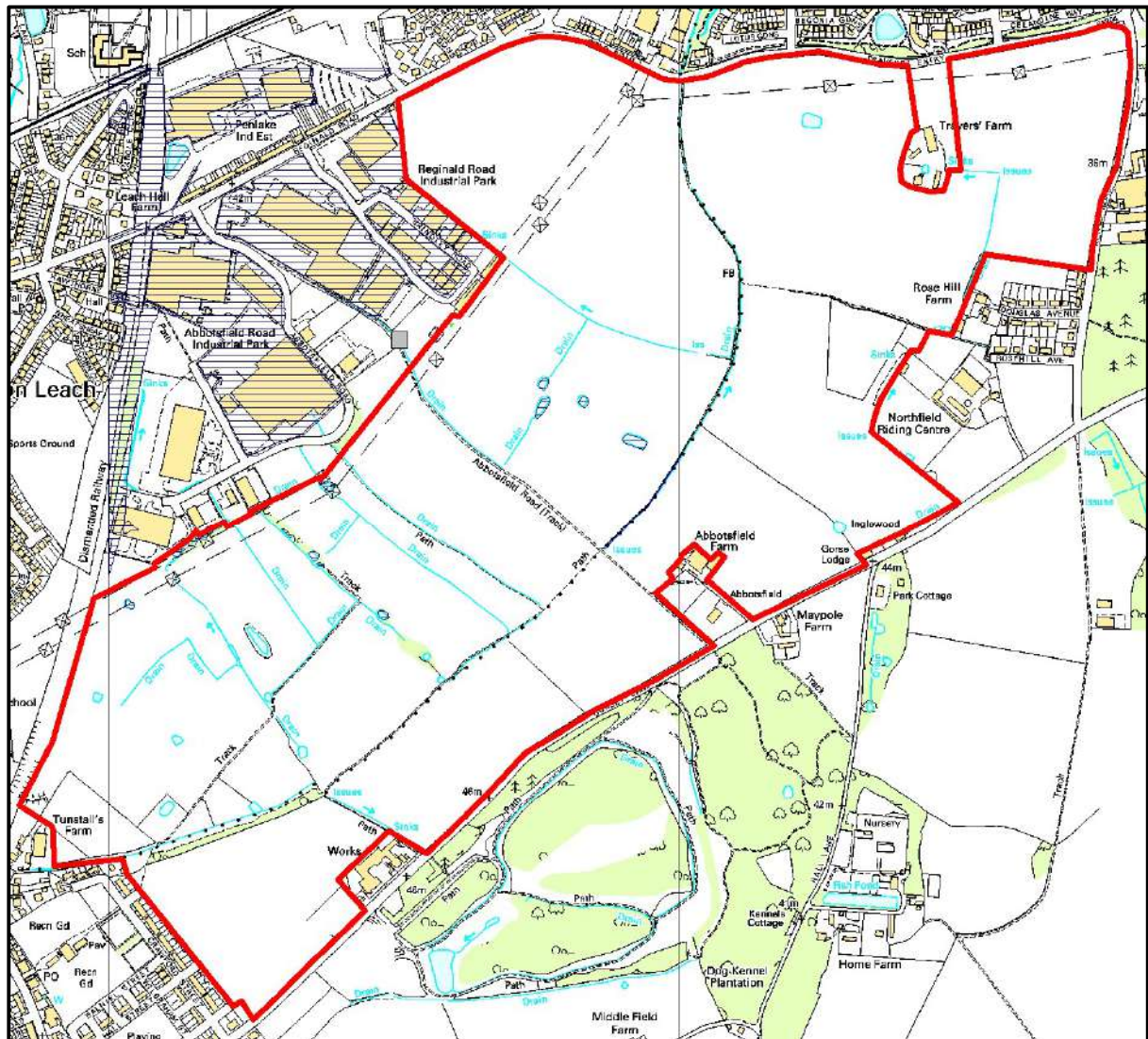
Post war 2500 a5

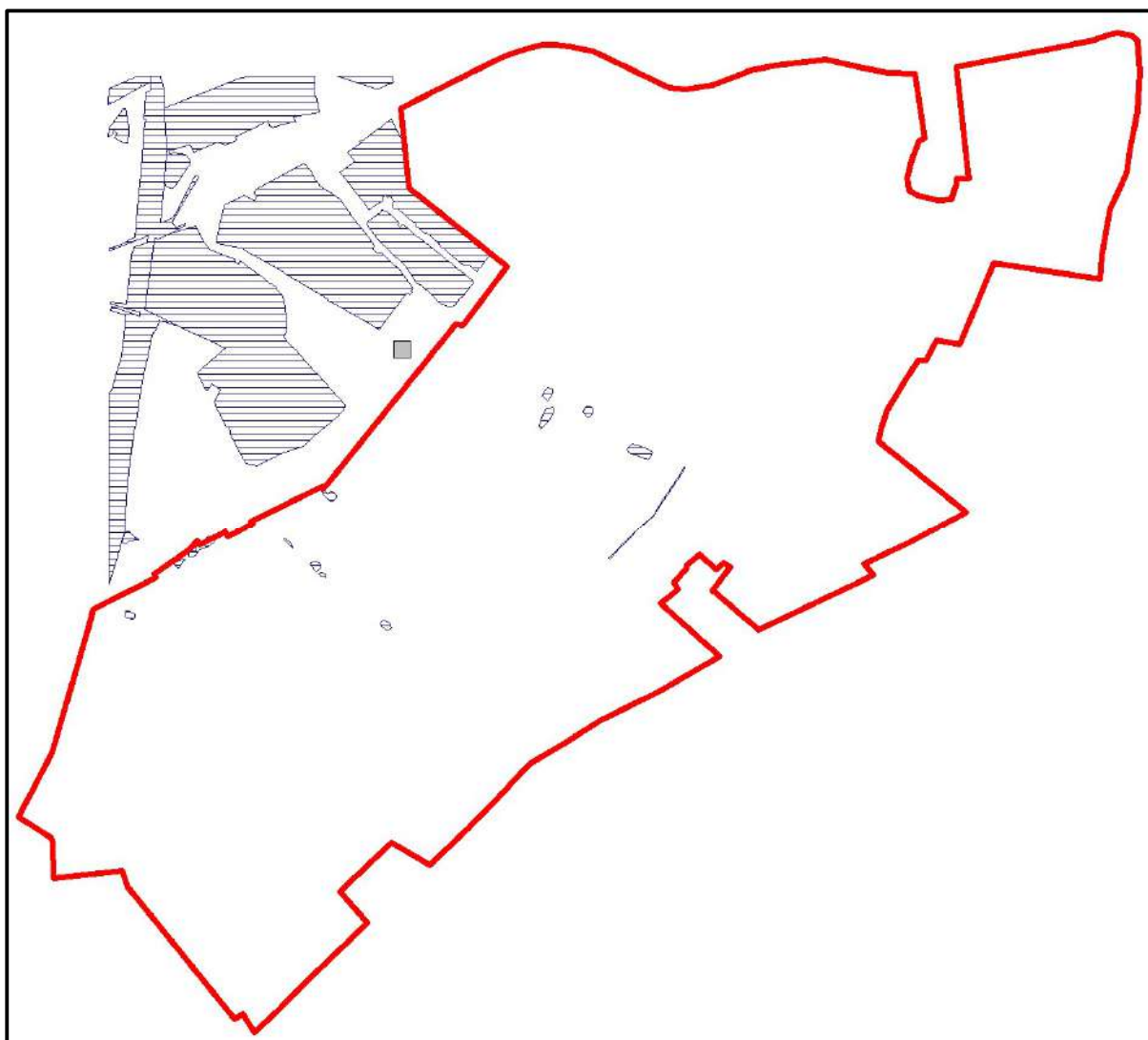




Embankment associated with railway	Impinging on SW corner of site
Ponds	Numerous present throughout the site
Drainage ditches	Central northern and south western parts of site

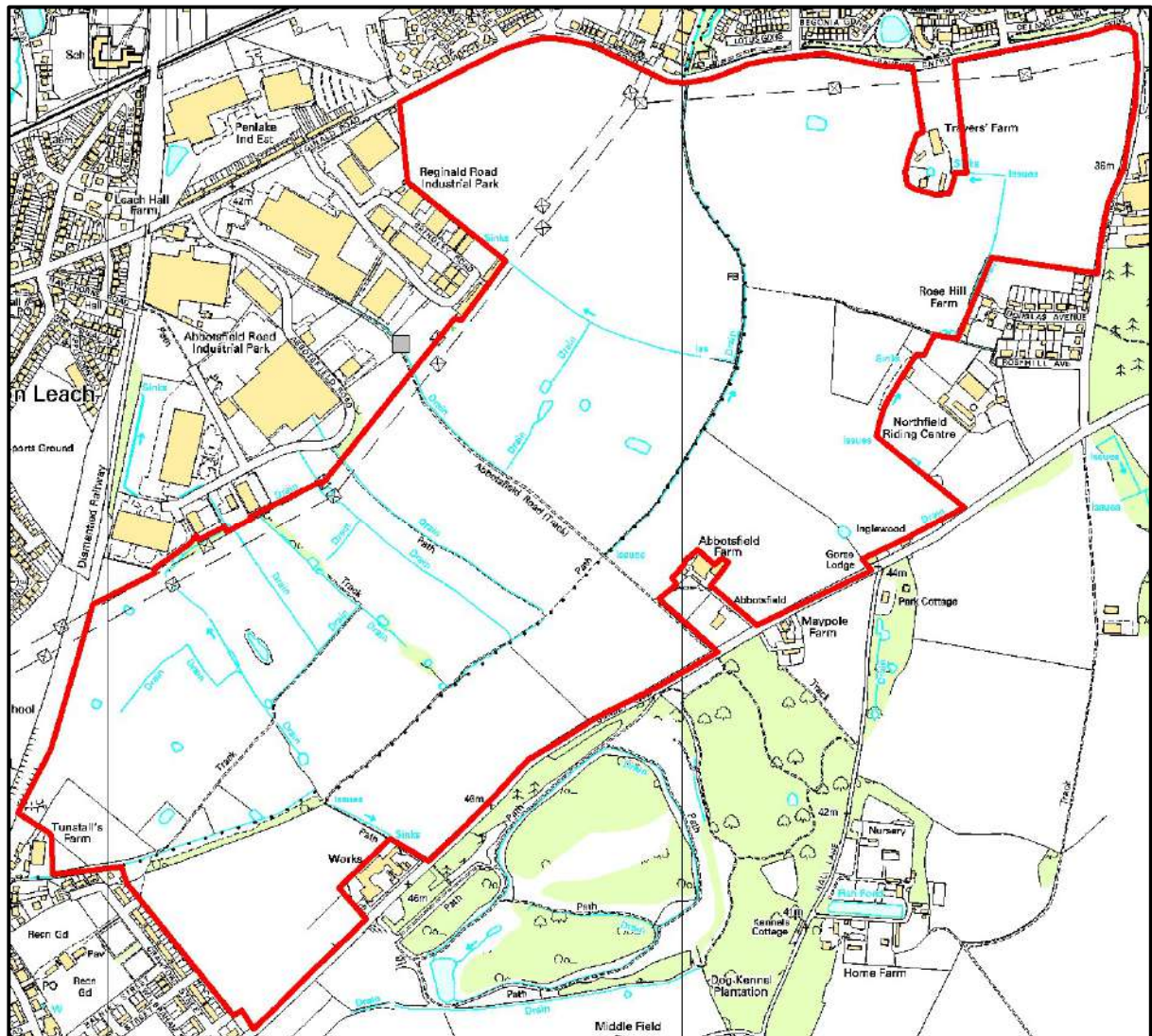
Post war 2500 b6

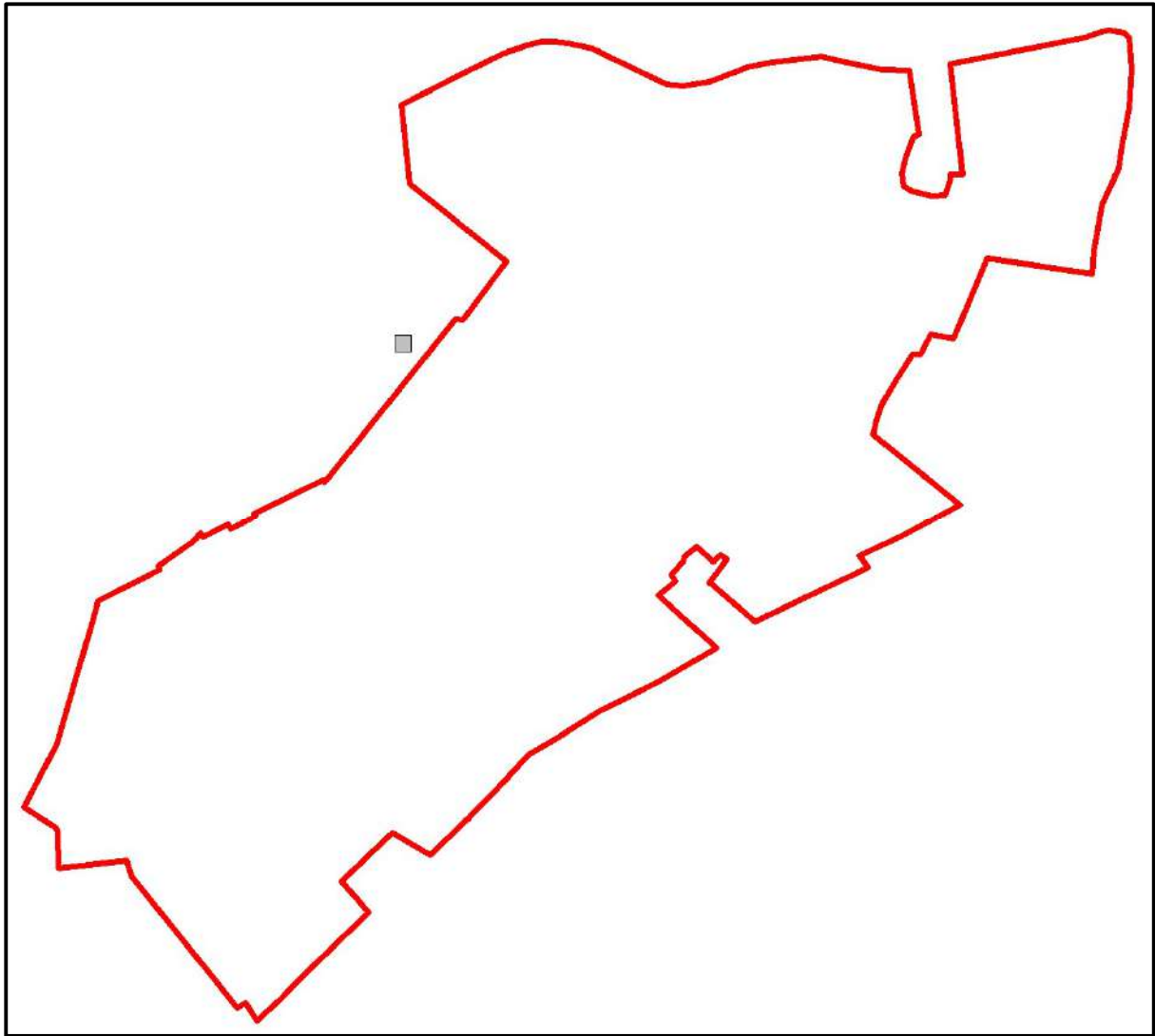




Ponds	Several present in central and western areas
Drainage ditch	Central east of site

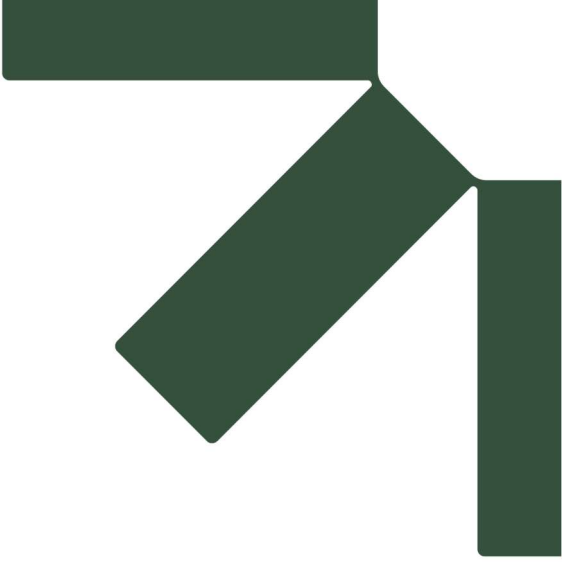
Post war 2500 c7





No coverage

No coverage throughout entire site



Appendix F Site Photographs

Preliminary Land Quality Risk Assessment

Bold Forest Garden Village

St Helens Borough Council

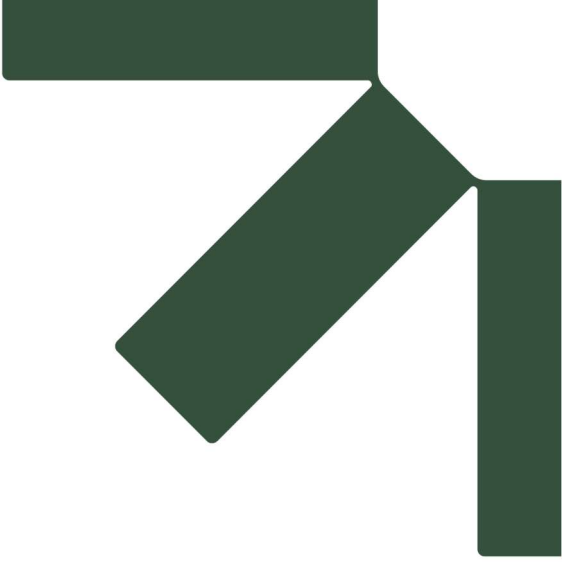
SLR Project No.: 410.066257.00001

16 June 2025

Bold Forest Garden Village – Site Walkover

Photo 1: Example of on site ponds 	Photo 2: Example of agricultural field 	Photo 3: Example of site boundary 
Photo 4: Example of drain on site 	Photo 5: Site boundary 	Photo 6: Example of waste on western boundary 





Appendix G SLR Approach to PLQRA

Preliminary Land Quality Risk Assessment

Bold Forest Garden Village

St Helens Borough Council

SLR Project No.: 410.066257.00001

16 June 2025

SLR APPROACH TO PLQRA

Regulatory Context

Background

The regime advocates a precautionary approach to dealing with contaminated land, there is clear direction to avoid the “excessive cost burdens” of “wastefully expensive remediation”.

The normal procedure for assessing land dictates that potential contaminant Sources, Pathways and Receptors should be considered within the context of potential contaminant linkages (PCL’s) and that an evaluation of the risks associated with each linkage should drive decisions regarding the status of the land as contaminated, unaffected by contamination or requiring further investigation.

Part 2A of the Environmental Protection Act 1990

Under Part 2A the starting point should be that land is not contaminated land unless there is reason to consider otherwise. Only land where unacceptable risks are clearly identified, after a risk assessment has been undertaken in accordance with the Statutory Guidance, should be considered as meeting the Part 2A definition of contaminated land.

Under Part 2A, risks should be considered only in relation to the current use of the land.

“Current use” means:

1. The use which is being made of the land currently;
2. Reasonably likely future uses of the land that would not require a new or amended grant of planning permission;
3. Any temporary use to which the land is put, or is likely to be put, from time to time within the bounds of current planning permission; and
4. Likely informal use of the land, for example children playing on the land, whether authorised by the owners or occupiers, or not.

Sites subject to Detailed Inspection under Part 2A by Local Authorities should be classified as Categories 1 to 4. For clarity:

- Category 1: describes land which is clearly problematic;
- Categories 2 and 3: cover the less straightforward land where detailed consideration is needed before deciding whether it is Category 2 (contaminated land requiring remedial action) or Category 3 (not contaminated land) - wider socio-economic factors come into play if health risks assessment fails to produce a decision; and
- Category 4: describes land that is clearly not contaminated land.

The Category 4 test is particularly important in defining when land is clearly not contaminated land in the legal sense; it introduces the idea that it would be exceptional for land: exhibiting normal background levels of contamination; or contaminant levels below published assessment criteria (which have been augmented by Category 4 screening concentrations for a limited

number of contaminants) to be considered as contaminated land.

Importantly, the 2012 guidance makes it clear that regulators can only require remediation to a point where land is no longer contaminated land in the legal sense (i.e. the boundary between Categories 2 and 3) and not require “unnecessary” clean up to attain Category 4 standards. This means some landowners / developers will choose a remedial end-point in Category 3 whilst others will still volunteer to clean-up to Category 4 (to deal with perception issues or to please funders, etc.).

Therefore exceedance of a generic risk based assessment criteria should simply trigger further risk assessment, rather than a requirement for remediation.

National Planning Policy Framework

This redevelopment project falls under the remit of the Planning Act and may be subject to both local and national planning policies.

The National Planning Policy Framework (NPPF) of February 2019 has a core aim to:

- Encourage the effective use of land by reusing land that has been previously developed (brownfield land), provided that it is not of high environmental value.
- The NPPF states the planning system should contribute to and enhance the natural and local environment by:
 - Clause 118c - giving substantial weight to the value of using sustainable brownfield land within settlements for homes and other identified needs, and support appropriate opportunities to remediate despoiled, degraded, derelict, contaminated or unstable land; and
 - Clause 170b - preventing both new and existing development from contributing to or being put at unacceptable risk from, or being adversely affected by unacceptable levels of soil, air, water or noise pollution or land instability; and

Furthermore the NPPF says that planning policies and decisions should also ensure that:

- Clause 178a - a site is suitable for its new use taking account of ground conditions and land instability, including from natural hazards or former activities such as mining, pollution arising from previous uses and any proposals for mitigation including land remediation or impacts on the natural environment arising from that remediation; and that
- Clause 178b - after remediation, as a minimum, land should not be capable of being determined as contaminated land under Part 2A of the Environmental Protection Act 1990 (meaning Category 3 or 4).
- Clause 178c – adequate site investigation information, prepared by a competent person, is able to inform these assessments.

The national planning policy directs those involved in development to ensure sites are suitable for use and not be capable of being determined as contaminated land under Part 2A – which means that the category of land, post remediation (if required) should be considered.

Approach to Qualitative Risk Assessment

The qualitative risk assessment is underpinned by the Preliminary conceptual site model (CSM) which identifies the hazards (source of contamination) and sets out the potential pollutant linkages with a view to identifying the nature and magnitude of the potential risks to receptors.

This requires consideration of the probability or likelihood of the linkage occurring and the severity/significance of the potential consequence taking into account the nature of the pollutant linkage and the potential severity of the hazard coupled with the sensitivity of the receptor within the context of the current and/or envisaged land use.

A classification of: consequence/severity, probability/likelihood and risk together with definitions are presented in the various tables within this appendix.

The tables provide a logical and consistent framework for assessing the potential risk by defining the categories of consequence severity, probability/likelihood of occurrence and levels of risk also referred to as 'risk terms' which follows current best practice.

The first step is to establish the consequence/severity (Table 1) and probability/likelihood (Table 2) before combining/comparing them to establish the risk category or term (Table 3). The resultant risk class is defined in Table 4.

It is worth noting that the classification of the consequence (severity) does not take account of the probability (likelihood) of that consequence being realised. Hence a 'severe' consequence refers to acute (short term) risk and a 'medium' consequence refers to a chronic (long term) risk as would be the case of carcinogens and asbestos etc.

Table 1 – Classification of Consequences

Classification	Definition
Severe	- Acute Risks to human health. - Short-term risk pollution of controlled waters or significant impact on controlled waters e.g. large scale pollution or very high levels of contamination equivalent to EA category 1 pollution incident including persistent and/or extensive effects on water quality; leading to closure of a potable abstraction point; major impact on operational effectiveness and/or amenity value or major damage to agriculture or commerce. - Catastrophic damage to buildings or property (e.g. explosion causing building collapse). - Ecological system effects – immediate risks of major damage which is likely to result in: irreversible substantial adverse changes in the functioning of the ecosystem or harm to a species of special interest that endangers the long-term maintenance of the population.
Medium	- Chronic risks to human health. - Pollution of sensitive water resources (e.g. leaching of contaminants into controlled waters) that is the equivalent of the EA Category 2 pollution incident including significant effect on water quality; notification required to

	abstractors; reduction in amenity value or significant damage to site operations, agriculture or commerce. • Ecological system effects – Immediate risks of significant damage which may result in substantial adverse changes to the ecosystem's functioning or harm to a species of special interest that may endanger the long-term maintenance of the population. • Significant damage to buildings, structures and services (e.g. Damage rendering a building unsafe to occupy, such as foundation damage).
Mild	• Non-permanent health effects to human health (exposure unlikely to lead to 'significant' harm). • Pollution of controlled waters or non-sensitive water resources (e.g. Pollution of non-classified groundwater) that is equivalent to an EA Category 3 pollution incident or short lived effect on water quality; marginal effect on operational capability, amenity value, agriculture or commerce. • Minor damage to buildings, structures and services (e.g. Damage rendering a building unsafe to occupy, such as foundation damage). • Ecological systems effects – minor or short-term damage which is unlikely to result in substantial adverse changes to the ecosystem's functioning or harm to a species of special interest that may endanger the long-term maintenance of the population. • Substantial damage to non-sensitive environments (unprotected ecosystems e.g. Crops).
Minor/Negligible	• No measurable effects on human health including non-permanent health effects to human health that are easily prevented by appropriate use of PPE etc. • Minor pollution of controlled waters including non-sensitive water resources with no discernible effect on water quality or ecosystems. • Minor damage to non-sensitive environments (unprotected ecosystems e.g. Crops) • Easily repairable effects of damage to buildings, structures, services or the environment (e.g. Discoloration of concrete, loss of plants in a landscaping scheme).

Table 2 - Classification of Probability
(Only applies if there is a possibility of a pollutant linkage being present)

Classification	Definition	Probability
High Likelihood	There is a pollutant linkage and an event is High Likelihood to occur in the short term, and is almost inevitable over the long term OR there is evidence of harm or pollution	>95% Likelihood of Consequence Occurring
Likely	There is a pollutant linkage and it is probable than an event will occur. It is not inevitable, but possible in the short term and likely over the long	50-95% likelihood of Consequence Occurring.

	term	
Low Likelihood	There is a pollutant linkage and circumstances are possible under which an event could occur. It is by no means certain that even over a longer period such an event would take place, and less likely in the short term	5 – 49% Likelihood of Consequence Occurring
Unlikely	There is a pollutant linkage and it is improbable that an event would occur even in the very long term	5% Likelihood of Consequence Occurring

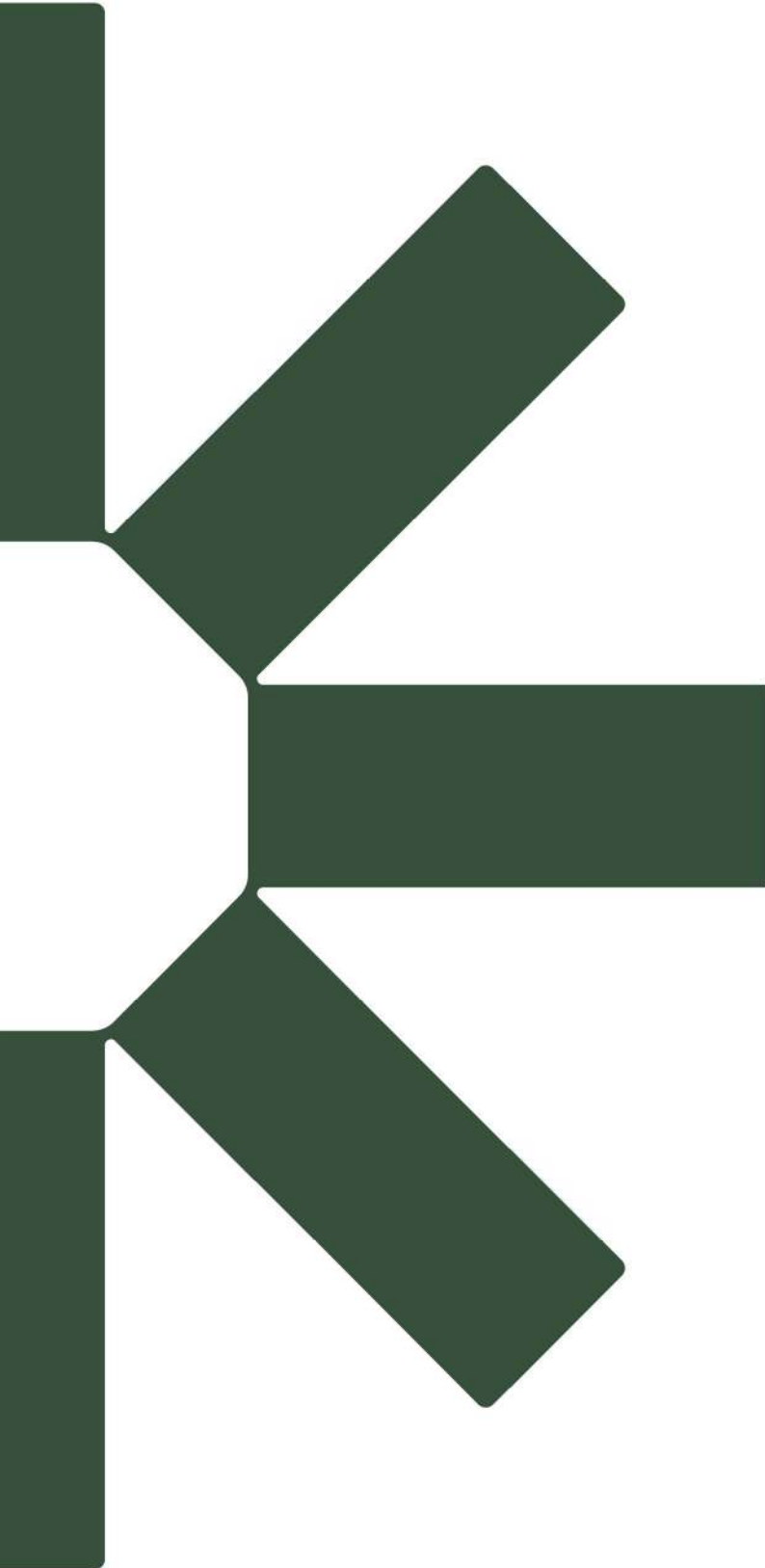
Table 3 – Classification of Risk (Significance)

Probability (Likelihood)	Consequence				
		Severe	Medium	Mild	Minor
	High Likelihood	Very High Risk	High Risk	Moderate Risk	Moderate/Low
	Likely	High Risk	Moderate Risk	Moderate/Low	Low Risk
	Low Likelihood	Moderate Risk	Moderate/Low	Low Risk	Negligible Risk
	Unlikely	Moderate/Low	Low Risk	Negligible Risk	Negligible Risk

Table 4 – Definitions of Classified Risks/Risk Terms

Classification	Definition
Very High Risk	There is a high probability that severe harm could arise to a designated receptor from an identified hazard, OR, there is evidence that severe harm to a designated receptor is currently happening. This risk, if realised, is likely to result in a substantial liability. Urgent investigation (if not already undertaken) and remediation is likely to be required.
High Risk	Harm is likely to arise to a designated receptor from an identified hazard. Realisation of the risk is likely to present a substantial liability. Urgent investigation (if not already undertaken) is required and remedial works may be necessary in the short term and are likely over the long term.
Moderate Risk	It is possible that harm could arise to a designated receptor from an identified hazard. However, it is either relatively unlikely that any such harm would be severe, or if any harm were to occur it is more likely that the harm would be relatively mild. Investigation (if not already undertaken) is normally required to clarify the risk and to determine the potential liability. Some remedial works may be required in the longer term.
Moderate/Low Risk	Possible that harm could arise to a receptor, but where a combination of likelihood and consequence results in a risk that is above low, but is not of sufficient concern to be classified as mild. It can be driven by cases where there is an acute risk which carries a severe consequence, but where the exposure is unlikely. Such harm would at worst normally be mild. Limited further investigation may be required to clarify the risk and liability. If necessary remediation works likely to be limited in extent.
Low Risk	It is possible that harm could arise to a designated receptor from an identified hazard, but it is likely that this harm, if realised, would at worst normally be mild.

Negligible Risk	There is a low possibility that harm could arise to a receptor. In the event of such harm being realised it is not likely to be severe.
No Potential Risk	There is no potential risk where no pollutant linkage has been established. No liability.



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