Client: Clearfield Envirotech Limited
Address: Mc1, Road Five, Winsford Industrial Estate, Winsford, Cheshire, CW7 3RB

Clearfield Envirotech Limited
Mc1, Road Five, Winsford Industrial Estate, Winsford, Cheshire, CW7 3RB

Site Condition Report

03 September 2023

Our Reference: Clearfield-Winsford-RP01-Final (SCR)

Waste And Industry Compliance Ltd

ENVIRONMENTAL CONSULTANCY SERVICES

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Clearfield-Winsford-RP01-Final (SCR)

Version & Status	Date Produced	Prepared, Checked and Authorised by:
Draft v1.0	17/07/2023	Waste and Industry Compliance Ltd.
Final	03/09/2023	Waste and Industry Compliance Ltd.

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CONTENTS

APPENDICES

1 SITE DETAILS

1.1.1 This Site Condition Report (SCR) has been prepared on behalf of Clearfield Envirotech Limited for their non-hazardous waste plastics and cardboard recycling facility at Mc1, Road Five, Winsford Industrial Estate, Winsford, Cheshire, CW7 3RB ***(the Site)***. It has been prepared in accordance with 'Guidance for applicants: H5 Site Condition Report – Guidance and Templates' (Environment Agency, April 2013).

1.1.2 Clearfield Envirotech Limited ***(the Operator)*** proposes to operate a state-of-the-art non-hazardous wastes plastics and cardboard recycling facility (see Section 4 below).

1.1.3 The Site incorporates a dedicated and enclosed building, with impermeable concrete base. There are no drainage outlets inside the building and therefore no pathways to groundwater, surface water or uncontained land. All waste treatment activities will take place inside the building. Processing equipment will comprise shredding equipment, up to two wash plants, which each incorporate rear end drying, up to two plastic extrusion plants and a baler for baling recycled products prior to off-site supply to customers.

1.1.4 The building is fitted with 4 roller shutter vehicular access doors on the northern side and 5 roller shutter doors on the southern side. Pedestrian access fire doors are also fitted for emergency evacuation in the event of a fire incident.

1.1.5 There is an external yard, which incorporates engineered, paved surface, it will be used for storage of incoming baled waste, prior to transfer into the building for processing and recovery. A combination of open stockpiles with a minimum of 6m separation distances all around (i.e. to all four sides) and fireproof bays comprising 2 hour fire resistant concrete rear push walls and side walls will be used for the storage of stacked bales. Where fire resistant bays are used, a 6m separation distance will be maintained in front of the bay and the maximum height of waste will be at least 1m lower than the top of the bay walls. A detailed Fire Prevention Plan has been prepared for the Site.

1.1.6 Site walkover surveys were undertaken by Waste and Industry Compliance Ltd on 17 May 2023 and 7 July 2023. The findings of the site walkovers and a photographic record of the survey are included in Section 3.6 below.

1.1.7 A Groundsure Report, dated 14 July 2023, (see Appendix 1) has been obtained for the Site to provide background environmental information and data.

Table 1: Site Details

Site Details	
Name of the Applicant	Clearfield Envirotech Ltd.
Activity Address	Mc1, Road Five, Winsford Industrial Estate, Winsford, Cheshire, CW7 3RB
National Grid Reference	SJ 67279 66951
Document Reference and Dates for Site Condition Report at Permit Application	Clearfield-Winsford-RP01-Final (SCR) July 2023

Document References for Site Plans (including location and boundaries)	Drawing 'Indicative Site Layout and Storage-DW01'. Drawing 'Sensitive Receptors'-DW02

2 CONDITION OF LAND AT PERMIT ISSUE

2.1 ENVIRONMENTAL SETTING

2.1.1 The Site is located on the Winsford Industrial Estate and is surrounded on all four sides by large industrial buildings. It is accessed off Road Five, which connects onto Road One that in turn leads onto the A54 'Middlewich Road'. The nearest residential properties are circa 540m west of the Site at the closest point. There is a railway line circa 525m west of the Site, which runs from Crewe to Runcorn and beyond, and serves Winsford Railway Station. The River Weaver is located circa 1,765m west of the Site at the closest point. The River Dane is circa 1,600m east of the Site, beyond which is the Trent and Mersey Canal, circa 1,755m to the east of the Site.

2.1.2 Winsford Industrial Estate is a large complex of industrial buildings and units extending circa 1.6km in a north south axis and circa 700m in an east west axis. The nearest non-industrial estate land to the Site are areas of farmland and woodland circa 165m and 170m east of the Site.

2.1.3 The Site is not located within an Air Quality Management Area (AQMA) or within 2km of an AQMA.

2.1.4 A review of Defra's Magic Map (https://magic.defra.gov.uk/MagicMap.aspx) shows that there are three European Site designations within a 10km radius of the Site. West Midlands Mosses Special Area of Conservation (SAC) is located circa 7,175m west northwest of the Site at the closest point. It is also designated as Midland Meres and Mosses Phase 2 RAMSAR Site. Oak Mere SAC is circa 9,220m west of the Site at the Closest Point.

2.1.5 There are no European Sites (i.e. Special Protection Areas (SPA), SACs or RAMSAR Sites), Sites of Special Scientific Interest (SSSIs), National Nature Reserves (NNR) or Local Nature Reserves (LNR) within 2km of the Site.

2.1.6 The nearest area of Priority Habitat is a belt of Deciduous Woodland located circa 250m north northeast of the Site. There are further areas of Priority Deciduous Woodland circa 570m and 730m northeast of the Site at the closest points. There is an area of Ancient Woodland circa 935m southeast of the Site.

2.1.7 There is a Scheduled Monument, Bostock Hall moated site, circa 580m northeast of the Site. There are no other Scheduled Monuments or any Registered Battlefield within 2km of the Site.

2.2 GEOLOGY

2.2.1 The Groundsure Report and British Geological Survey mapping

(https://mapapps.bgs.ac.uk/geologyofbritain/home.html) show that bedrock geology at the Site comprises Northwich Halite Member, which consists of Halite-stone and mudstone. This is a sedimentary bedrock formed between 247.1 and 241.5 million years ago during the Triassic period.

2.2.2 Superficial deposits at the Site comprise Till, Devensian - Diamicton. These are sedimentary superficial deposit formed between 116 and 11.8 thousand years ago during the Quaternary period.

2.3 HYDROGEOLOGY

2.3.1 The bedrock aquifer at the Site is classed as 'Unproductive'. These are rock layers or drift deposits with low permeability that have negligible significance for water supply or river base flow.

2.3.2 The superficial deposits on Site are classed as a 'Secondary Undifferentiated Aquifer', which is 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.

2.3.3 The Site is not located in a groundwater Source Protection Zone.

2.4 SURFACE WATERS

2.4.1 The Groundsure Report records the presence of surface water ditches circa 157m and 178m northeast of the Site. These watercourses are described as containing water year-round (in normal circumstances).

2.4.2 The River Weaver and the River Dane are located circa 1,765m west and circa 1,600m east of the Site respectively. The Trent and Mersey Canal is circa 1,755m east of the Site. The Site is located in the River Weaver catchment (Marbury Brook to Dane), which is rated as 'Poor' overall water quality in 2019, with a 'Fail' for chemical quality and a 'Poor' for ecological quality.

2.5 GROUNDWATER ABSTRACTIONS

2.5.1 The Groundsure Report shows that there are no active licensed groundwater abstractions or potable abstractions within 2km of the Site.

2.6 SURFACE WATER ABSTRACTIONS

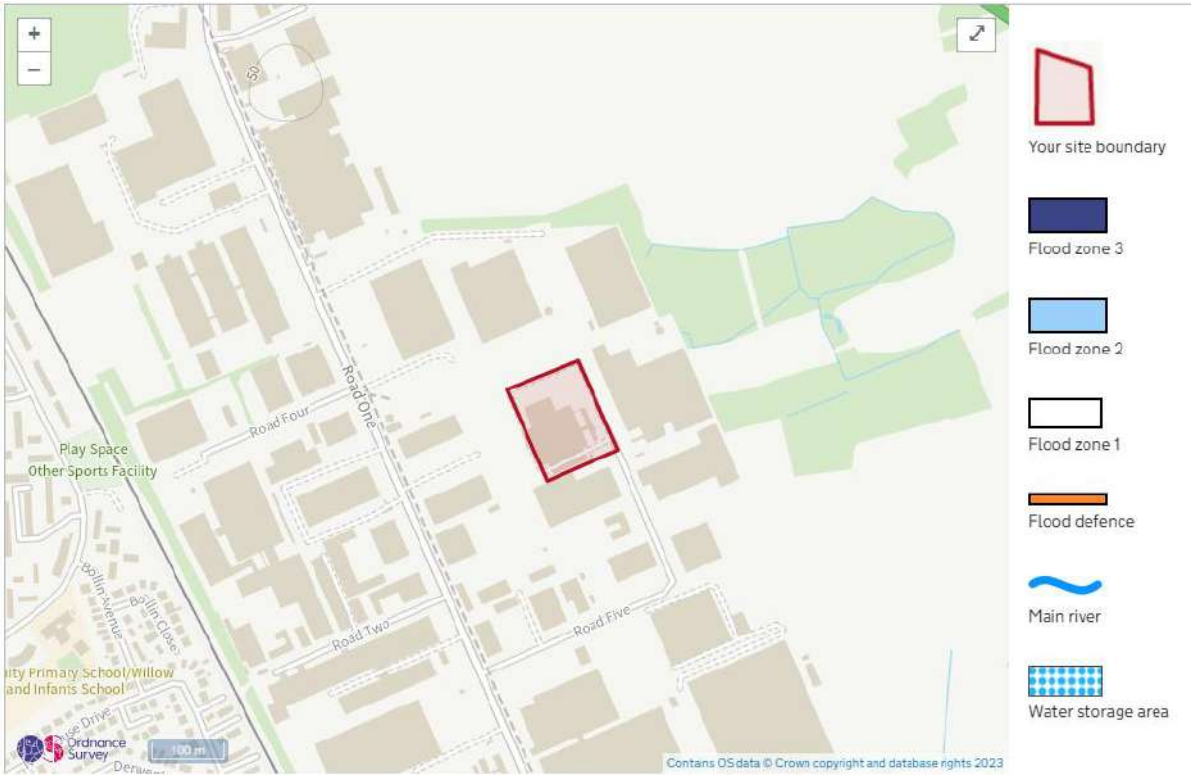
2.6.1 The Groundsure Report shows that there are no active licensed surface water abstractions within 2km of the Site.

2.7 FLOOD RISK SUMMARY

2.7.1 The Flood Map for Planning (https://flood-map-for-planning.service.gov.uk/location)

shows that the Site is located in a Flood Zone 1 and has a low probability of flooding (see Figure 1 below). Land in a Flood Zone 1 has a less than 1 in 1,000 annual probability of river or sea flooding.

Figure 1 River and Coastal Flooding



2.8 NITRATE VULNERABLE ZONES

2.8.1 The Site is located in a Nitrate Vulnerable Zone (NVZ). An NVZ is classed as an area at risk from agricultural nitrate pollution designated under the EC Nitrate Directive (91/676/EEC). NVZs are areas of land that drain into waters polluted by nitrates. Farmers operating within these areas must follow mandatory rules to tackle nitrate loss from agriculture. Nitrate Sensitive Areas are places 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.

2.8.2 There are no Nitrate Sensitive Areas within 2km of the Site.

2.9 DESIGNATED HABITAT SITES

2.9.1 The following European Sites (i.e. Special Areas of Conservation (SACs), Special Protection Areas (SPAs) and RAMSAR sites) have been identified within a 10km radius of the Site:

- West Midlands Mosses (SAC), circa 7,175m west northwest;
- Midland Meres and Mosses Phase 2 RAMSAR Site, circa 7,175m west northwest;

- Oak Mere SAC, circa 9,220m west.

2.9.2 The Joint Nature Conservation Committee (JNCC) citation for West Midlands Mosses (SAC) states: that *"West Midlands Mosses contains three pools, one at Clarepool Moss and two at Abbots Moss, that are examples of dystrophic lakes and ponds in the lowlands of England and Wales, where this habitat type is rare. The lake at Clarepool Moss is unusual as a dystrophic type on account of its relatively base-rich character, which is reflected in the presence of a diverse fauna and flora. The two at Abbots Moss are more typical, base-poor examples. The dystrophic lakes and ponds at this site are associated with Schwingmoor development, a characteristic of this habitat type in the West Midlands. Schwingmoor is an advancing floating raft of bog-moss Sphagnum, often containing NVC type M3 Eriophorum angustifolium bog pool community, which grows from the edge of the pool and can completely cover over the pool.*

"West Midlands Mosses represents Schwingmoor vegetation. Floating rafts of Sphagnum-dominated vegetation have developed over semi-liquid substrates within basins. In the UK this type of Sphagnum-dominated vegetation with a scatter of sedges Carex species and cranberry Vaccinium oxycoccos is confined to this part of England and mid-Wales."

2.9.3 The JNCC citation for Midland Meres and Mosses Phase 2 RAMSAR Site describes the area as *"a geographically diverse series of lowland open water and peatland sites in the north-west Midlands of England and north-east Wales. These have developed in natural depressions in the glacial drift left by receding ice sheets which formerly covered the Cheshire/Shropshire Plain. The 18 component sites include open water bodies (meres), the majority of which are nutrient-rich with associated fringing habitats, reed swamp, fen, carr and damp pasture. Peat accumulation has resulted in the nutrient-poor peat bogs (mosses) forming in some sites on the fringes of the meres or completely infilling basins. In a few cases the result is a floating quaking bog or schwingmoor. The wide range of resulting habitats support nationally important flora and fauna."*

2.9.4 The citation for Oak Mere SAC states that the primary reason for the designation is due to the presence of *"Oligotrophic waters containing very few minerals of sandy plains (Littorelletalia uniflorae). Oak Mere, in the West Midlands of England, is a lake formed within sediments that are low in nutrients and oligotrophic. It is a large waterbody that has formed in a kettle hole in the fluvio-glacial sands of the Cheshire Plain. The site has clear water of low nutrient status characteristic of oligotrophic waters and a marginal zone of shoreweed Littorella uniflora. The site supports an assemblage of plants that are now rare in the lowlands of England, including floating mats of bog-moss Sphagnum spp. and the scarce narrow small-reed Calamagrostis stricta.*

"Open water and peat deposits lie in this kettle-hole depression within Delamere Forest, and peat-cutting has given rise to additional pools and fens. The water is acidic, but slightly nutrient-rich. There are transitions at the water's edge with soft rush Juncus effusus, water horsetail Equisetum fluviatile, common spike-rush Eleocharis palustris, marsh pennywort Hydrocotyle vulgaris, the moss Drepanocladus fluitans and bulrush Typha latifolia. Small depressions in the peat are occupied by bottle sedge Carex rostrata, common cottongrass

Eriophorum angustifolium, purple moor-grass Molinia caerulea, cross-leaved heath Erica tetralix and round-leaved sundew Drosera rotundifolia."

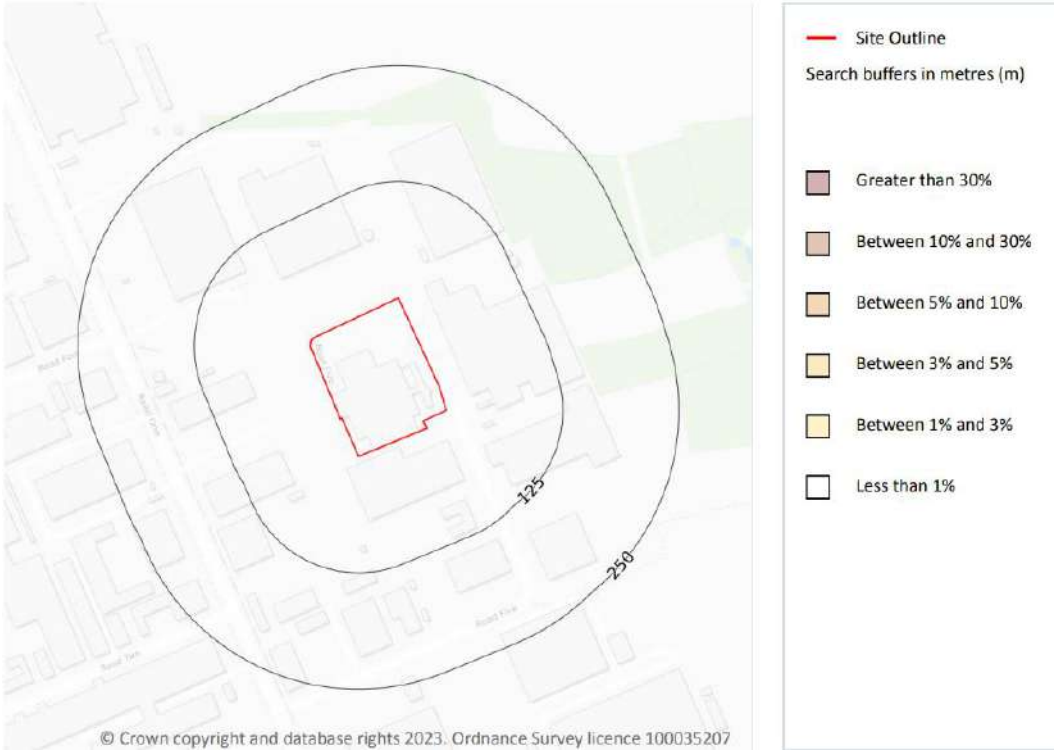
2.9.5 There are no Sites of Special Scientific Interest (SSSI), National Nature Reserves (NNR), Local Nature Reserves (LNR), Biosphere Reserves or RSPB Reserves within a 2km radius of the Site.

2.9.6 The Site is unlikely to have any significant impacts on designated European sites, SSSIs, NNRs, LNRs etc as there are no emissions from the Site to these habitats, which are all greater than 2km distant. The nearest Priority Habitat is circa 250m north northeast of the Site and the closest area of Ancient Woodland is circa 935m to the southeast. All waste treatment activities are undertaken in a roofed and sealed building, fitted with impermeable concrete floor.

2.10 RADON

The Groundsure Report states that the estimated percentage of dwellings exceeding the Radon Action Level at and in the immediate vicinity of the Site location is less than 1% and that no radon protection measures are required, see Figure 2.

Figure 2 Likelihood of a Property Having a Radon Level at or Above the Action Level



3 POLLUTION HISTORY

3.1 POLLUTION INCIDENTS THAT MAY HAVE AFFECTED THE LAND

3.1.1 The Groundsure Report records no pollution incidents on site.

3.1.2 There are three recorded pollution incidents within 500m of the Site, the nearest recorded distance being 201m to the southeast, see Table 2. The most recent pollution incident was recorded in January 2003, i.e. over 20 years ago. None of the incidents recorded any impacts on water, land or air. Therefore, there is negligible risk that they could have any impact on the Site.

Table 2 Recorded Pollution Incidents Within 500m of Site

Location	Date	Details	Impact
201m SE	11/09/2001	Pollutant: Oils and Fuel Pollutant Description: Kerosene and Aviation Fuel	Water Impact: Category 4 (No Impact) Land Impact: Category 4 (No Impact) Air Impact: Category 4 (No Impact)
273m W	31/10/2001	Pollutant: Organic Chemicals / Products. Pollutant Description: Hydrocarbons	Water Impact: Category 4 (No Impact) Land Impact: Category 4 (No Impact) Air Impact: Category 4 (No Impact)
368m SW	15/01/2003	Pollutant: Pollutant Not Identified Pollutant Description: Not Identified	Water Impact: Category 4 (No Impact) Land Impact: Category 4 (No Impact) Air Impact: Category 4 (No Impact)

3.2 LANDFILL SITES

3.2.1 The Groundsure Report records no active or historic landfill sites within a 500m radius of the Site.

3.3 PERMITTED WASTE SITES

3.3.1 The Groundsure Report records no permitted waste sites within a 500m radius of the Site.

3.4 INDUSTRIAL LAND USE

3.4.1 The Groundsure Report records no underground electricity cables, high pressure underground gas transmission pipelines, sites determined as contaminated land, petrol stations or regulated explosive sites within a 500m radius of the Site.

3.4.2 A COMAH registered site is recorded 196m southwest of the Site.

3.5 HISTORICAL LAND USE AND ASSOCIATED CONTAMINANTS

3.5.1 Historical maps of the Site, derived from historical Ordnance Survey mapping, have been reviewed as part of this SCR, see Table 3 below. In addition, the Groundsure Report provides details of historical land use at the Site and its immediate vicinity.

Table 3 Historical Land Use Within a 500m of the Site

Date	Scale	Land Use
1875	1:2,500	The Site and immediately surrounding environs comprise agricultural fields, with hedgerow boundaries and small areas of woodland. There is no development within

Date	Scale	Land Use
		a 500m radius of the site.
1897	1:10,560	There are no changes to the Site and the immediate surroundings. The smaller scale map (1:10,560) shows the railway line to the west of the Site (Crewe to Runcorn).
1898	1:2,500	No change.
1909	1:2,500	No change.
1911	1:10,560	There is little change from the previous maps.
1938	1:10,560	There is little change from the previous maps.
1949	1:10,560	There is little change from the previous maps.
1970	1:10,560	A warehouse building is shown constructed on site and development of Winsford Industrial Estate has begun, with several other commercial and industrial units constructed to the west and south of the Site (a foods mill, pharmaceutical works and depot are shown). Roads 1 to 5 are shown partially constructed. The town of Winsford has developed to the west of the Site, with the eastern periphery of the town circa 540m distant.
1981	1:10,560	Development of Winsford Industrial Estate has expanded and there are now factories and depots shown to the east of the Site. The Site is marked as a warehouse. Land to the immediate east of the industrial estate remains a mixture of agricultural and woodland.
1992	1:10,560	Little change from the 1981 map. The Site remains unchanged.
2001	1:10,560	Little change from the 1981 and 1992 maps. The Site remains unchanged.
2010	1:10,560	Some additional commercial and industrial units on the Winsford Industrial Estate have been constructed to the north of the Site.

3.5.2 Historic records show that the Site building was constructed between 1949 and 1970. However, from the early development of Winsford Industrial Estate shown on the 1970 map, it appears likely the Site was developed in the late 1960s to 1970.

3.6 VISUAL AND OLFACTORY EVIDENCE OF CONTAMINATION

3.6.1 Site visits and walkover surveys were undertaken by Waste and Industry Compliance Limited on 17 May 2023 and 7 July 2023. The Site building has an impermeable concrete base, which is in a very good condition and well maintained. External areas of the Site, including yard and car park areas generally comprise well maintained concrete and tarmacadam surfacing.

3.6.2 The Site has perimeter security fencing with lockable access gates at the Site entrance. CCTV cameras will also be installed for added security.

3.6.3 The building is fitted with 4 roller shutter vehicular access doors on the northern side and 5 roller shutter doors on the southern side. Pedestrian access fire doors are also fitted for emergency evacuation in the event of a fire incident. An external storage area is located north of vehicular access roller shutter doors. It is proposed that baled wastes will be stored on the external yard using a combination of open stockpiles with a minimum of 6m separation distances all around (i.e. to all four sides) and fireproof bays comprising 2 hour fire resistant concrete rear push walls and side walls. Where fire resistant bays are used,

a 6m separation distance will be maintained in front of the bay. Stored wastes will be transferred into the building for processing and recycling. All waste treatment activities will take place inside the building.

3.6.4 During the site walkover surveys the quality of the building, including concrete base, walls, roof and access doors etc and the external yard areas was excellent. The building and external yard were empty. There was no evidence of spillage or ground contamination at the Site.

3.6.5 Surface water and foul water drains and manholes are respectively painted blue and red to clearly mark and differentiate the drainage systems.

3.6.6 A photographic recovery of the Site walkover is shown below.

Plate 1 Inside the Building Looking Towards the North

Plate 2 Inside the Building Looking Towards the West

Plate 3 External Loading and Storage Area

Plate 4 External Storage Area on South Side of Building

Plate 5 Car Park Area

3.6.7 During the walkover survey, there was no visible or olfactory evidence of pollution or ground contamination, including oil or diesel contamination or ground staining by hydrocarbons. There was no evidence of vegetation stress in the vicinity of the Site.

3.7 EVIDENCE OF HISTORICAL CONTAMINATION AND PREVIOUS SITE INVESTIGATIONS

3.7.1 The Operator is not aware that any previous site investigations or contamination surveys. Prior to the late 1960s to 1970, the Site comprised agricultural fields. It was developed for warehouse use by 1970 and consisted of a building and external yard area. The quality of the building, impermeable concrete base and external yard area and car park is very good.

4 ACTIVITIES

4.1 PERMITTED ACTIVITIES

4.1.1 Permitted activities are shown in Table 4 below.

Table 4 Permitted Activities

Storage / Treatment Process	Annex IIA / IIB operations
Recycling/reclamation of organic substances which are not used as solvents	Annex II, R3
Storage of waste pending any of the operations numbered R3, R4 and R5	Annex II, R13

4.1.2 The Site will receive non-hazardous plastic and cardboard wastes for processing to separate and recover materials. The maximum waste throughput at the Site will be 100,000 tonnes per annum, of which up to 3,200 tonnes will be stored at any one time.

4.1.3 The separation technologies used at the Site will enable very high rates of recycling to be

achieved, typically 70% or greater, and allow a wide range of materials to be recovered thereby moving materials up the waste hierarchy and avoiding landfill and waste incineration.

4.1.4 The waste processing plant will be installed inside the building on an engineered concrete pad with sealed drainage system. Site drainage operates on a closed loop system so that water used in the separation and washing processes is recirculated back to the plant for reuse.

4.1.5 Strict waste pre-acceptance and acceptance procedures will be used to ensure that only compliant waste types are accepted at the Site, full details are included in the Environmental Management System (EMS) (ref Clearfield-Winsford-RP02-Final-EMS).

4.1.6 Any loads arriving at the Site which contain non-permitted wastes or a significant amount of contrary material shall be rejected prior to unloading. In the unlikely event that a vehicle inadvertently deposits non-permitted waste or a large amount of contrary material, it will be re-loaded where possible. Where the vehicle has already left the Site, the non-permitted waste or contrary material will be stored in a quarantine skip or container at the Site, pending removal of the material to the waste producer or authorised facility.

4.2 NON-PERMITTED ACTIVITIES

4.2.1 There are no non-permitted activities undertaken at the Site.

During the Site walkover surveys there was no waste or other materials on site. The building and external yard area were not in use at the time and completely empty.

5 CONCLUSION

5.1.1 This Site Condition Report has been prepared in accordance with 'Guidance for applicants: H5 Site Condition Report – Guidance and Templates' (Environment Agency, April 2013).

5.1.2 Site walkover surveys were undertaken by Waste and Industry Compliance Ltd on 17 May 2023 and 7 July 2023. During the site walkover surveys the quality of the building, including concrete base, walls, roof and access doors etc and the external yard areas were excellent. The building and external yard were empty. There was no visual or olfactory evidence of spillage or ground contamination or hydrocarbon staining at the Site.

5.1.3 The site walkover surveys and a review of historical information and background environmental data (including a Groundsure Report) indicates that there is no evidence of contamination or environmental pollution at the Site.

5.1.4 Review of historical maps shows that the Site comprised agricultural fields prior to development of a warehouse building in the late 1960s or 1970. The Groundsure Report records no pollution incidents at the Site. The nearest pollution incident was recorded 201m distant from the Site over 20 years ago and no pollution impact was recorded. There are no recorded historical or active landfill sites within a 500m radius of the Site.

5.1.5 The Site building complex is located on engineered impermeable concrete bases, which appear to be in excellent condition and well maintained based on visual inspection. External areas of the Site, including car parking etc, comprise engineered concrete and tarmacadam surfacing, which is also in good condition.

5.1.6 The risk of ground contamination at the Site is considered to be very low based on the site walkover surveys and the Groundsure Report (dated 14 July 2023).

Groundsure LOCATION INTELLIGENCE

Enviro+Geo Insight

367272, 366917,

Order Details

Date: 14/07/2023

Your ref: WIC001

Our Ref: GS-CTV-UAU-RD3-Q8B

Site Details

Location: 367267 366919

Area: 1.48 ha

Authority: Cheshire West and Chester Council ↗

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 >	4	6	9	19	-
16 >	1.2 >	Historical tanks >	0	0	16	31	-
18 >	1.3 >	Historical energy features >	0	2	13	15	-
19	1.4	Historical petrol stations	0	0	0	0	-
20	1.5	Historical garages	0	0	0	0	-
20	1.6	Historical military land	0	0	0	0	-
Page	Section	Past land use - un-grouped >	On site	0-50m	50-250m	250-500m	500-2000m
21 >	2.1 >	Historical industrial land uses >	4	7	11	22	-
23 >	2.2 >	Historical tanks >	0	0	20	39	-
26 >	2.3 >	Historical energy features >	0	4	14	23	-
27	2.4	Historical petrol stations	0	0	0	0	-
28	2.5	Historical garages	0	0	0	0	-
Page	Section	Waste and landfill >	On site	0-50m	50-250m	250-500m	500-2000m
29	3.1	Active or recent landfill	0	0	0	0	-
29	3.2	Historical landfill (BGS records)	0	0	0	0	-
30	3.3	Historical landfill (LA/mapping records)	0	0	0	0	-
30	3.4	Historical landfill (EA/NRW records)	0	0	0	0	-
30	3.5	Historical waste sites	0	0	0	0	-
30	3.6	Licensed waste sites	0	0	0	0	-
30 >	3.7 >	Waste exemptions >	2	0	5	62	-
Page	Section	Current industrial land use >	On site	0-50m	50-250m	250-500m	500-2000m
37 >	4.1 >	Recent industrial land uses >	6	2	36	-	-
40	4.2	Current or recent petrol stations	0	0	0	0	-
40	4.3	Electricity cables	0	0	0	0	-
41	4.4	Gas pipelines	0	0	0	0	-
41	4.5	Sites determined as Contaminated Land	0	0	0	0	-

41 >	4.6 >	Control of Major Accident Hazards (COMAH) >	0	0	1	0	-
41	4.7	Regulated explosive sites	0	0	0	0	-
42 >	4.8 >	Hazardous substance storage/usage >	0	0	1	0	-
42	4.9	Historical licensed industrial activities (IPC)	0	0	0	0	-
42 >	4.10 >	Licensed industrial activities (Part A(1)) >	0	0	0	2	-
43 >	4.11 >	Licensed pollutant release (Part A(2)/B) >	0	0	4	1	-
44	4.12	Radioactive Substance Authorisations	0	0	0	0	-
44	4.13	Licensed Discharges to controlled waters	0	0	0	0	-
44	4.14	Pollutant release to surface waters (Red List)	0	0	0	0	-
44	4.15	Pollutant release to public sewer	0	0	0	0	-
44	4.16	List 1 Dangerous Substances	0	0	0	0	-
45	4.17	List 2 Dangerous Substances	0	0	0	0	-
45 >	4.18 >	Pollution Incidents (EA/NRW) >	0	0	1	2	-
45	4.19	Pollution inventory substances	0	0	0	0	-
46	4.20	Pollution inventory waste transfers	0	0	0	0	-
46	4.21	Pollution inventory radioactive waste	0	0	0	0	-

Page	Section	Hydrogeology >	On site	0-50m	50-250m	250-500m	500-2000m
47 >	5.1 >	Superficial aquifer >	Identified (within 500m)				
49 >	5.2 >	Bedrock aquifer >	Identified (within 500m)				
50 >	5.3 >	Groundwater vulnerability >	Identified (within 50m)				
51 >	5.4 >	Groundwater vulnerability- soluble rock risk >	Identified (within 0m)				
52	5.5	Groundwater vulnerability- local information	None (within 0m)				
53 >	5.6 >	Groundwater abstractions >	0	0	0	0	2
54	5.7	Surface water abstractions	0	0	0	0	0
54	5.8	Potable abstractions	0	0	0	0	0
55	5.9	Source Protection Zones	0	0	0	0	-
55	5.10	Source Protection Zones (confined aquifer)	0	0	0	0	-

Page	Section	Hydrology >	On site	0-50m	50-250m	250-500m	500-2000m
56 >	6.1 >	Water Network (OS MasterMap) >	0	0	2	-	-

57 >	6.2 >	Surface water features >	0	0	2	-	-
57 >	6.3 >	WFD Surface water body catchments >	1	-	-	-	-
57 >	6.4 >	WFD Surface water bodies >	0	0	0	-	-
58 >	6.5 >	WFD Groundwater bodies >	1	-	-	-	-

Page	Section	River and coastal flooding	On site	0-50m	50-250m	250-500m	500-2000m
59	7.1	Risk of flooding from rivers and the sea	None (within 50m)				
59	7.2	Historical Flood Events	0	0	0	-	-
59	7.3	Flood Defences	0	0	0	-	-
60	7.4	Areas Benefiting from Flood Defences	0	0	0	-	-
60	7.5	Flood Storage Areas	0	0	0	-	-
61	7.6	Flood Zone 2	None (within 50m)				
61	7.7	Flood Zone 3	None (within 50m)				

Page	Section	Surface water flooding >	
62 >	8.1 >	Surface water flooding >	1 in 30 year, 0.1m - 0.3m (within 50m)

Page	Section	Groundwater flooding >	
64 >	9.1 >	Groundwater flooding >	Low (within 50m)

Page	Section	Environmental designations >	On site	0-50m	50-250m	250-500m	500-2000m
65	10.1	Sites of Special Scientific Interest (SSSI)	0	0	0	0	0
66	10.2	Conserved wetland sites (Ramsar sites)	0	0	0	0	0
66	10.3	Special Areas of Conservation (SAC)	0	0	0	0	0
66	10.4	Special Protection Areas (SPA)	0	0	0	0	0
66	10.5	National Nature Reserves (NNR)	0	0	0	0	0
67	10.6	Local Nature Reserves (LNR)	0	0	0	0	0
67 >	10.7 >	Designated Ancient Woodland >	0	0	0	0	8
67	10.8	Biosphere Reserves	0	0	0	0	0
68	10.9	Forest Parks	0	0	0	0	0
68	10.10	Marine Conservation Zones	0	0	0	0	0
68	10.11	Green Belt	0	0	0	0	0
68	10.12	Proposed Ramsar sites	0	0	0	0	0

68	10.13	Possible Special Areas of Conservation (pSAC)	0	0	0	0	0
69	10.14	Potential Special Protection Areas (pSPA)	0	0	0	0	0
69	10.15	Nitrate Sensitive Areas	0	0	0	0	0
69 >	10.16 >	Nitrate Vulnerable Zones >	1	0	0	0	1
70 >	10.17 >	SSSI Impact Risk Zones >	1	-	-	-	-
71	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
72	11.1	World Heritage Sites	0	0	0	-	-
72	11.2	Area of Outstanding Natural Beauty	0	0	0	-	-
72	11.3	National Parks	0	0	0	-	-
72	11.4	Listed Buildings	0	0	0	-	-
73	11.5	Conservation Areas	0	0	0	-	-
73	11.6	Scheduled Ancient Monuments	0	0	0	-	-
73	11.7	Registered Parks and Gardens	0	0	0	-	-
Page	Section	Agricultural designations >	On site	0-50m	50-250m	250-500m	500-2000m
74 >	12.1 >	Agricultural Land Classification >	Urban (within 250m)				
75	12.2	Open Access Land	0	0	0	-	-
75	12.3	Tree Felling Licences	0	0	0	-	-
75	12.4	Environmental Stewardship Schemes	0	0	0	-	-
75	12.5	Countryside Stewardship Schemes	0	0	0	-	-
Page	Section	Habitat designations >	On site	0-50m	50-250m	250-500m	500-2000m
76 >	13.1 >	Priority Habitat Inventory >	0	0	1	-	-
77	13.2	Habitat Networks	0	0	0	-	-
77	13.3	Open Mosaic Habitat	0	0	0	-	-
77	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
78 >	14.1 >	10k Availability >	Identified (within 500m)				
79	14.2	Artificial and made ground (10k)	0	0	0	0	-
80 >	14.3 >	Superficial geology (10k) >	1	1	1	1	-

81	14.4	Landslip (10k)	0	0	0	0	-
82 >	14.5 >	Bedrock geology (10k) >	1	0	1	0	-
83 >	14.6 >	Bedrock faults and other linear features (10k) >	0	0	1	0	-
Page	Section	Geology 1:50,000 scale >	On site	0-50m	50-250m	250-500m	500-2000m
84 >	15.1 >	50k Availability >	Identified (within 500m)				
85	15.2	Artificial and made ground (50k)	0	0	0	0	-
85	15.3	Artificial ground permeability (50k)	0	0	-	-	-
86 >	15.4 >	Superficial geology (50k) >	1	1	1	3	-
87 >	15.5 >	Superficial permeability (50k) >	Identified (within 50m)				
87	15.6	Landslip (50k)	0	0	0	0	-
87	15.7	Landslip permeability (50k)	None (within 50m)				
88 >	15.8 >	Bedrock geology (50k) >	1	0	1	2	-
89 >	15.9 >	Bedrock permeability (50k) >	Identified (within 50m)				
89 >	15.10 >	Bedrock faults and other linear features (50k) >	0	0	1	1	-
Page	Section	Boreholes >	On site	0-50m	50-250m	250-500m	500-2000m
90 >	16.1 >	BGS Boreholes >	0	0	14	-	-
Page	Section	Natural ground subsidence >					
92 >	17.1 >	Shrink swell clays >	Very low (within 50m)				
93 >	17.2 >	Running sands >	Low (within 50m)				
95 >	17.3 >	Compressible deposits >	Moderate (within 50m)				
97 >	17.4 >	Collapsible deposits >	Very low (within 50m)				
98 >	17.5 >	Landslides >	Very low (within 50m)				
99 >	17.6 >	Ground dissolution of soluble rocks >	High (within 50m)				
Page	Section	Mining and ground workings >	On site	0-50m	50-250m	250-500m	500-2000m
101 >	18.1 >	BritPits >	0	0	0	1	-
102 >	18.2 >	Surface ground workings >	0	0	11	-	-
103	18.3	Underground workings	0	0	0	0	0
103	18.4	Underground mining extents	0	0	0	0	-
103 >	18.5 >	Historical Mineral Planning Areas >	0	0	1	0	-

103 >	**18.6 >**	**Non-coal mining >**	1	0	0	0	0
104	18.7	JPB mining areas	None (within 0m)				
104	18.8	The Coal Authority non-coal mining	0	0	0	0	-
104 >	**18.9 >**	**Researched mining >**	0	0	1	0	-
105	18.10	Mining record office plans	0	0	0	0	-
105	18.11	BGS mine plans	0	0	0	0	-
105	18.12	Coal mining	None (within 0m)				
105 >	**18.13 >**	**Brine areas >**	Identified (within 0m)				
106	18.14	Gypsum areas	None (within 0m)				
106	18.15	Tin mining	None (within 0m)				
106	18.16	Clay mining	None (within 0m)				

Page	Section	Ground cavities and sinkholes	On site	0-50m	50-250m	250-500m	500-2000m
107	19.1	Natural cavities	0	0	0	0	-
107	19.2	Mining cavities	0	0	0	0	0
107	19.3	Reported recent incidents	0	0	0	0	-
107	19.4	Historical incidents	0	0	0	0	-
108	19.5	National karst database	0	0	0	0	-

Page	Section	**Radon >**					
109 >	**20.1 >**	**Radon >**	Less than 1% (within 0m)				

Page	Section	**Soil chemistry >**	On site	0-50m	50-250m	250-500m	500-2000m
111 >	**21.1 >**	**BGS Estimated Background Soil Chemistry >**	2	1	-	-	-
111	21.2	BGS Estimated Urban Soil Chemistry	0	0	-	-	-
111	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
112	22.1	Underground railways (London)	0	0	0	-	-
112	22.2	Underground railways (Non-London)	0	0	0	-	-
112	22.3	Railway tunnels	0	0	0	-	-
112	22.4	Historical railway and tunnel features	0	0	0	-	-
112	22.5	Royal Mail tunnels	0	0	0	-	-

113	22.6	Historical railways	0	0	0	-	-
113	22.7	Railways	0	0	0	-	-
113	22.8	Crossrail 1	0	0	0	0	-
113	22.9	Crossrail 2	0	0	0	0	-
113	22.10	HS2	0	0	0	0	-

Recent aerial photograph

Capture Date: 31/05/2020

Site Area: 1.48ha

Recent site history - 2016 aerial photograph

Capture Date: 02/10/2016

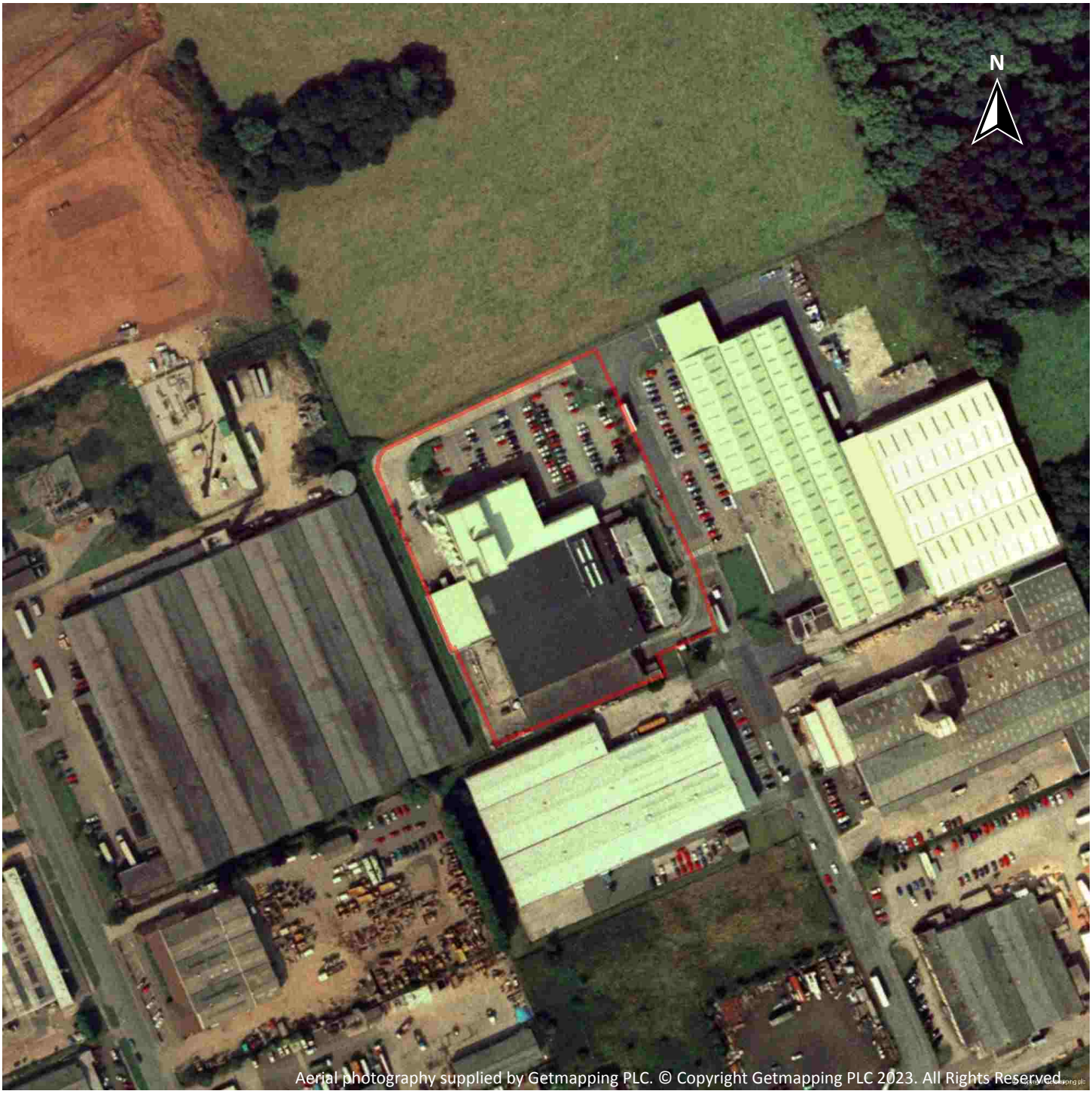
Site Area: 1.48ha

Recent site history - 2010 aerial photograph

Capture Date: 10/10/2010

Site Area: 1.48ha

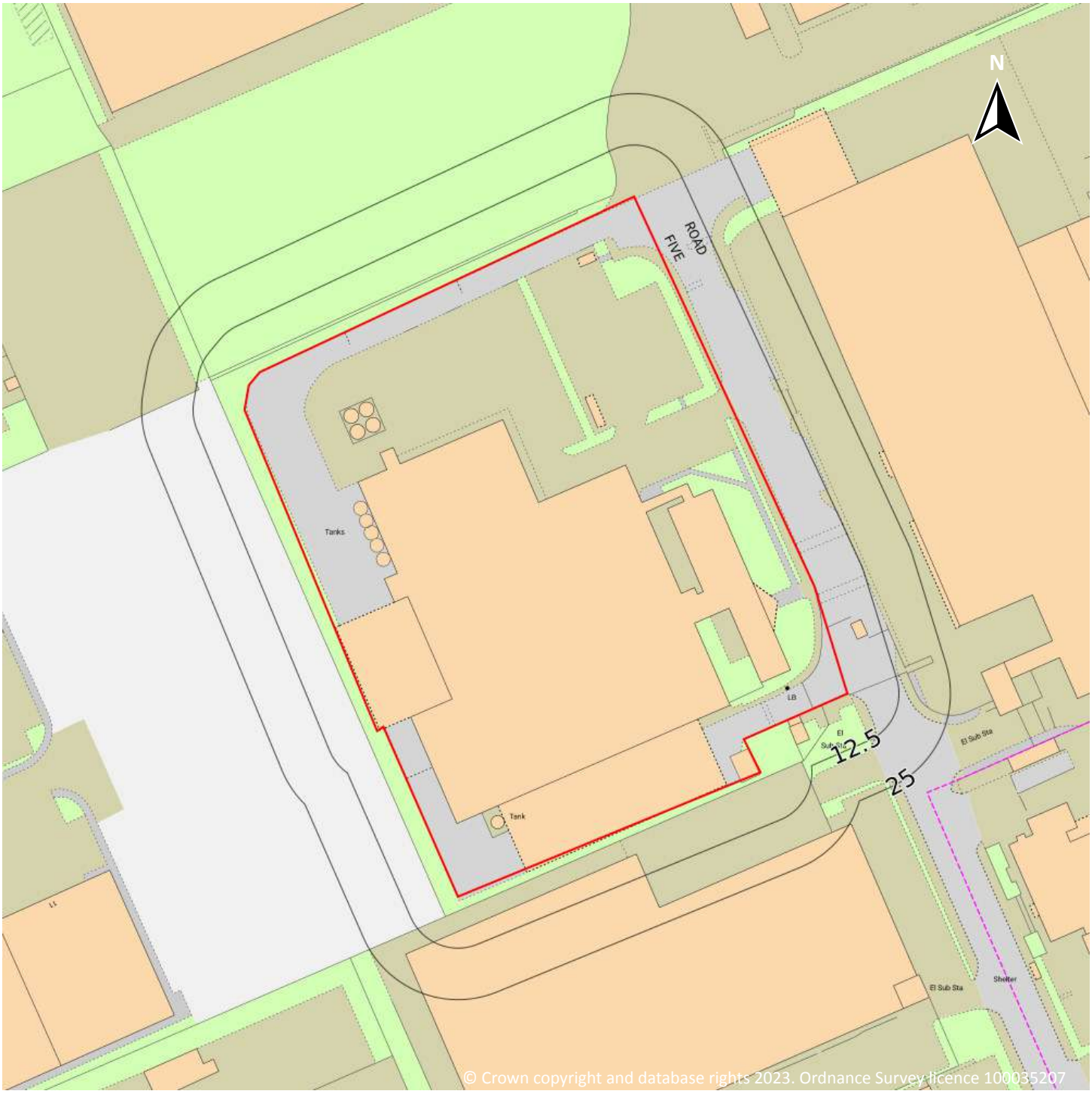
Recent site history - 2000 aerial photograph



Capture Date: 24/08/2000

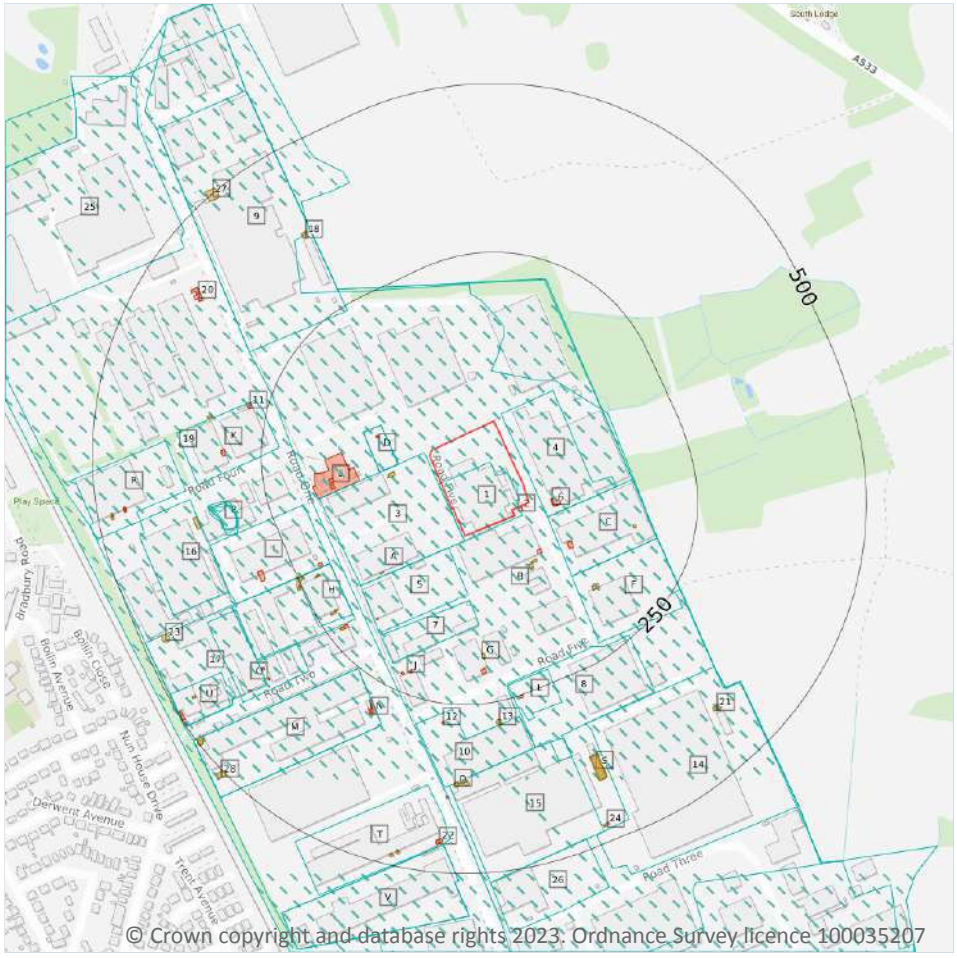
Site Area: 1.48ha

OS MasterMap site plan



Site Area: 1.48ha

1 Past land use



Site Outline

Search buffers in metres (m)

Historical industrial land uses

Historical tanks

Historical energy features

1.1 Historical industrial land uses

Records within 500m	38

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**	**Unspecified Warehouse**	**1979**	**854973**

ID	Location	Land use	Dates present	Group ID
A	**On site**	**Industrial Estate**	**1992**	**868708**
A	**On site**	**Industrial Estate**	**1970**	**971374**
B	**On site**	**Industrial Estate**	**1979**	**943806**
3	3m SW	Unspecified Warehouse	1970 - 1979	966480
4	14m E	Unspecified Factory	1979	821421
5	30m SW	Unspecified Depot	1979	818185
C	35m SE	Unspecified Factory	1979	821415
D	49m W	Gas Valve Compound	1992	914288
D	49m W	Gas Valve Compound	1979	937706
7	96m S	Unspecified Depot	1970	818186
F	124m SE	Unspecified Depot	1979	818187
H	198m SW	Unspecified Works	1970	946601
H	198m SW	Unspecified Works	1979	845005
I	198m SW	Unspecified Mill	1970 - 1979	975991
K	224m W	Unspecified Works	1970 - 1979	912339
8	225m SE	Unspecified Factory	1979	853408
L	229m S	Unspecified Factory	1970	866554
9	241m NW	Unspecified Works	1979	829997
M	252m SW	Unspecified Factory	1979	821420
M	252m SW	Unspecified Works	1970	829982
10	258m S	Unspecified Works	1970	829984
O	296m SW	Unspecified Laboratory	1970	834696
P	299m W	Old Sand Pit	1911	968266
P	299m W	Old Sand Pit	1949	969649
P	300m W	Old Sand Pit	1897	880123
P	301m W	Old Sand Pit	1938	981633
14	325m SE	Unspecified Factory	1979	821416
15	330m S	Unspecified Warehouse	1970 - 1979	904860

ID	Location	Land use	Dates present	Group ID
16	352m SW	Unspecified Works	1970 - 1979	905141
17	357m SW	Unspecified Works	1979	960356
R	365m W	Unspecified Works	1970 - 1979	961295
T	373m S	Unspecified Works	1979	829985
U	414m SW	Unspecified Works	1970	846861
V	458m S	Unspecified Factory	1979	821419
V	458m S	Unspecified Works	1970	914571
25	474m NW	Unspecified Factory	1979	821423
26	483m S	Unspecified Works	1970	829983

This data is sourced from Ordnance Survey / Groundsure.

1.2 Historical tanks

Records within 500m	**47**

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 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
D	58m W	Unspecified Tank	1982 - 1988	122693
B	72m SE	Unspecified Tank	1982	114629
B	73m SE	Tanks	1988	104921
A	131m SW	Unspecified Tank	1982	110920
F	156m SE	Unspecified Tank	1982 - 1988	134933
C	158m E	Unspecified Tank	1982	114628
G	175m S	Unspecified Tank	1982 - 1988	136111
H	218m SW	Tanks	1988	104914
H	218m SW	Unspecified Tank	1988	136982

ID	Location	Land use	Dates present	Group ID
H	219m SW	Unspecified Tank	1982	110919
H	221m SW	Unspecified Tank	1982	142739
H	226m SW	Unspecified Tank	1982	148792
H	226m SW	Unspecified Tank	1988	126678
H	243m SW	Tanks	1982	104915
H	243m SW	Unspecified Tank	1988	142866
H	245m SW	Unspecified Tank	1994	145555
H	251m SW	Unspecified Tank	1988 - 1994	136614
12	276m S	Unspecified Tank	1982	114626
13	277m S	Unspecified Tank	1988	114627
K	328m W	Tanks	1988 - 1996	146736
O	355m SW	Unspecified Tank	1982	110917
P	355m W	Tanks	1982	104923
O	358m SW	Unspecified Tank	1988 - 1994	143002
Q	361m S	Tanks	1982	104922
Q	361m S	Unspecified Tank	1969	114625
18	366m NW	Tanks	1970	104924
19	369m W	Unspecified Tank	1988 - 1994	142402
S	373m SE	Unspecified Tank	1988	137849
S	374m SE	Unspecified Tank	1982	144586
21	407m SE	Tanks	1982	104920
23	460m SW	Unspecified Tank	1988 - 1994	123277
U	464m SW	Unspecified Tank	1982	110918
24	473m S	Unspecified Tank	1988	114622
T	475m S	Unspecified Tank	1988	110460
T	476m S	Unspecified Tank	1982	110459
R	477m W	Unspecified Tank	1988	143776
R	477m W	Unspecified Tank	1982	135058

ID	Location	Land use	Dates present	Group ID
R	477m W	Unspecified Tank	1994	135002
T	482m S	Unspecified Tank	1988	142534
T	482m S	Unspecified Tank	1982	134093
27	490m NW	Tanks	1988 - 1996	129881
U	490m SW	Unspecified Tank	1988 - 1994	131178
U	493m SW	Unspecified Tank	1982	137102
U	494m SW	Unspecified Tank	1982	130574
U	494m SW	Unspecified Tank	1994	124319
U	494m SW	Unspecified Tank	1988	141495
28	498m SW	Tanks	1969	104913

This data is sourced from Ordnance Survey / Groundsure.

1.3 Historical energy features

Records within 500m	**30**

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 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
2	2m SE	Electricity Substation	1982 - 1988	76957
6	33m E	Electricity Substation	1982 - 1988	73058
B	62m SE	Electricity Substation	1988	61762
D	80m W	Gas Governor Compound	1988	59911
B	82m SE	Electricity Substation	1982 - 1988	64901
E	110m W	Electricity Substation	1982	68049
E	148m W	Electricity Substation	1988	71878
E	148m W	Electricity Substation	1969	66049

ID	Location	Land use	Dates present	Group ID
F	155m SE	Electricity Substation	1988	61763
H	178m SW	Electricity Substation	1988	61767
G	199m S	Electricity Substation	1988	61765
H	208m SW	Electricity Substation	1988	61760
J	213m S	Electricity Substation	1982	61766
H	218m SW	Electricity Substation	1988	61768
J	222m S	Electricity Substation	1988	61769
L	250m S	Electricity Substation	1988	61764
11	271m W	Electricity Substation	1988 - 1996	79705
N	279m SW	Electricity Substation	1988	71053
N	290m SW	Electricity Substation	1982	63988
I	295m SW	Electricity Substation	1982 - 1988	65552
K	301m W	Electricity Substation	1982 - 1994	84977
Q	386m S	Electricity Substation	1988	62791
O	390m SW	Electricity Substation	1988 - 1994	77828
20	406m NW	Electricity Substation	1988 - 1996	72803
22	449m S	Electricity Substation	1982 - 1988	66580
R	456m W	Electricity Substation	1994	74801
R	457m W	Electricity Substation	1988	79509
R	457m W	Electricity Substation	1982	64325
U	494m SW	Electricity Substation	1982	61759
U	494m SW	Electricity Substation	1988 - 1994	77594

This data is sourced from Ordnance Survey / Groundsure.

1.4 Historical petrol stations

Records within 500m	0

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 un-grouped 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	0

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 un-grouped features can be cross-referenced across sections 1 and 2 using the 'Group ID'.

This data is sourced from Ordnance Survey / Groundsure.

1.6 Historical military land

Records within 500m	0

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.

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

2.1 Historical industrial land uses

Records within 500m	44

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 21 >**

ID	Location	Land Use	Date	Group ID
1	**On site**	**Unspecified Warehouse**	**1979**	**854973**
A	**On site**	**Industrial Estate**	**1970**	**971374**
A	**On site**	**Industrial Estate**	**1992**	**868708**

ID	Location	Land Use	Date	Group ID
B	**On site**	**Industrial Estate**	**1979**	**943806**
D	3m SW	Unspecified Warehouse	1979	966480
D	3m SW	Unspecified Warehouse	1970	966480
2	14m E	Unspecified Factory	1979	821421
3	30m SW	Unspecified Depot	1979	818185
F	35m SE	Unspecified Factory	1979	821415
G	49m W	Gas Valve Compound	1992	914288
G	49m W	Gas Valve Compound	1979	937706
4	96m S	Unspecified Depot	1970	818186
I	124m SE	Unspecified Depot	1979	818187
K	198m SW	Unspecified Works	1970	946601
K	198m SW	Unspecified Works	1979	845005
L	198m SW	Unspecified Mill	1970	975991
L	198m SW	Unspecified Mill	1979	975991
N	224m W	Unspecified Works	1970	912339
5	225m SE	Unspecified Factory	1979	853408
N	227m W	Unspecified Works	1979	912339
O	229m S	Unspecified Factory	1970	866554
6	241m NW	Unspecified Works	1979	829997
P	252m SW	Unspecified Works	1970	829982
P	252m SW	Unspecified Factory	1979	821420
7	258m S	Unspecified Works	1970	829984
S	296m SW	Unspecified Laboratory	1970	834696
T	299m W	Old Sand Pit	1911	968266
T	299m W	Old Sand Pit	1949	969649
T	300m W	Old Sand Pit	1897	880123
T	301m W	Old Sand Pit	1938	981633
10	325m SE	Unspecified Factory	1979	821416

ID	Location	Land Use	Date	Group ID
U	330m S	Unspecified Warehouse	1970	904860
U	330m S	Unspecified Warehouse	1979	904860
V	352m SW	Unspecified Works	1970	905141
V	352m SW	Unspecified Works	1979	905141
11	357m SW	Unspecified Works	1979	960356
X	365m W	Unspecified Works	1979	961295
AA	373m S	Unspecified Works	1979	829985
AC	414m SW	Unspecified Works	1970	846861
X	422m W	Unspecified Works	1970	961295
AE	458m S	Unspecified Works	1970	914571
AE	458m S	Unspecified Factory	1979	821419
15	474m NW	Unspecified Factory	1979	821423
16	483m S	Unspecified Works	1970	829983

This data is sourced from Ordnance Survey / Groundsure.

2.2 Historical tanks

Records within 500m	**59**

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 21 >**

ID	Location	Land Use	Date	Group ID
G	58m W	Unspecified Tank	1988	122693
G	59m W	Unspecified Tank	1982	122693
B	72m SE	Unspecified Tank	1982	114629
B	73m SE	Tanks	1988	104921
A	131m SW	Unspecified Tank	1982	110920
I	156m SE	Unspecified Tank	1982	134933
I	157m SE	Unspecified Tank	1988	134933

ID	Location	Land Use	Date	Group ID
F	158m E	Unspecified Tank	1982	114628
J	175m S	Unspecified Tank	1988	136111
J	176m S	Unspecified Tank	1982	136111
K	218m SW	Tanks	1988	104914
K	218m SW	Unspecified Tank	1988	136982
K	219m SW	Unspecified Tank	1982	110919
K	221m SW	Unspecified Tank	1982	142739
K	226m SW	Unspecified Tank	1982	148792
K	226m SW	Unspecified Tank	1988	126678
K	243m SW	Tanks	1982	104915
K	243m SW	Unspecified Tank	1988	142866
K	244m SW	Unspecified Tank	1988	142866
K	245m SW	Unspecified Tank	1994	145555
K	251m SW	Unspecified Tank	1994	136614
K	251m SW	Unspecified Tank	1988	136614
8	276m S	Unspecified Tank	1982	114626
9	277m S	Unspecified Tank	1988	114627
N	328m W	Tanks	1988	146736
N	328m W	Tanks	1996	146736
S	355m SW	Unspecified Tank	1982	110917
T	355m W	Tanks	1982	104923
S	358m SW	Unspecified Tank	1994	143002
S	358m SW	Unspecified Tank	1988	143002
W	361m S	Tanks	1982	104922
W	361m S	Unspecified Tank	1969	114625
12	366m NW	Tanks	1970	104924
Y	369m W	Unspecified Tank	1988	142402
Y	370m W	Unspecified Tank	1994	142402

ID	Location	Land Use	Date	Group ID
Z	373m SE	Unspecified Tank	1988	137849
Z	374m SE	Unspecified Tank	1982	144586
Z	400m S	Unspecified Tank	1988	137849
13	407m SE	Tanks	1982	104920
AF	460m SW	Unspecified Tank	1988	123277
AF	460m SW	Unspecified Tank	1994	123277
AC	464m SW	Unspecified Tank	1982	110918
14	473m S	Unspecified Tank	1988	114622
AA	475m S	Unspecified Tank	1988	110460
AA	476m S	Unspecified Tank	1982	110459
X	477m W	Unspecified Tank	1988	143776
X	477m W	Unspecified Tank	1982	135058
X	477m W	Unspecified Tank	1994	135002
AA	482m S	Unspecified Tank	1988	142534
AA	482m S	Unspecified Tank	1982	134093
AC	490m SW	Unspecified Tank	1994	131178
AG	490m NW	Tanks	1988	129881
AG	490m NW	Tanks	1996	129881
AC	491m SW	Unspecified Tank	1988	131178
AC	493m SW	Unspecified Tank	1982	137102
AC	494m SW	Unspecified Tank	1982	130574
AC	494m SW	Unspecified Tank	1994	124319
AC	494m SW	Unspecified Tank	1988	141495
17	498m SW	Tanks	1969	104913

This data is sourced from Ordnance Survey / Groundsure.

2.3 Historical energy features

Records within 500m	41

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 21 >**

ID	Location	Land Use	Date	Group ID
C	2m SE	Electricity Substation	1988	76957
C	3m SE	Electricity Substation	1982	76957
E	33m E	Electricity Substation	1988	73058
E	39m E	Electricity Substation	1982	73058
B	62m SE	Electricity Substation	1988	61762
G	80m W	Gas Governor Compound	1988	59911
B	82m SE	Electricity Substation	1988	64901
B	82m SE	Electricity Substation	1982	64901
H	110m W	Electricity Substation	1982	68049
H	148m W	Electricity Substation	1988	71878
H	148m W	Electricity Substation	1969	66049
I	155m SE	Electricity Substation	1988	61763
K	178m SW	Electricity Substation	1988	61767
J	199m S	Electricity Substation	1988	61765
K	208m SW	Electricity Substation	1988	61760
M	213m S	Electricity Substation	1982	61766
K	218m SW	Electricity Substation	1988	61768
M	222m S	Electricity Substation	1988	61769
O	250m S	Electricity Substation	1988	61764
Q	271m W	Electricity Substation	1988	79705
Q	272m W	Electricity Substation	1996	79705
R	279m SW	Electricity Substation	1988	71053
R	290m SW	Electricity Substation	1982	63988

ID	Location	Land Use	Date	Group ID
L	295m SW	Electricity Substation	1988	65552
L	296m SW	Electricity Substation	1982	65552
N	301m W	Electricity Substation	1988	84977
N	302m W	Electricity Substation	1982	84977
N	302m W	Electricity Substation	1994	84977
W	386m S	Electricity Substation	1988	62791
S	390m SW	Electricity Substation	1994	77828
S	391m SW	Electricity Substation	1988	77828
AB	406m NW	Electricity Substation	1996	72803
AB	412m NW	Electricity Substation	1988	72803
AD	449m S	Electricity Substation	1988	66580
AD	452m S	Electricity Substation	1982	66580
X	456m W	Electricity Substation	1994	74801
X	457m W	Electricity Substation	1988	79509
X	457m W	Electricity Substation	1982	64325
AC	494m SW	Electricity Substation	1982	61759
AC	494m SW	Electricity Substation	1994	77594
AC	494m SW	Electricity Substation	1988	77594

This data is sourced from Ordnance Survey / Groundsure.

2.4 Historical petrol stations

Records within 500m	0

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.

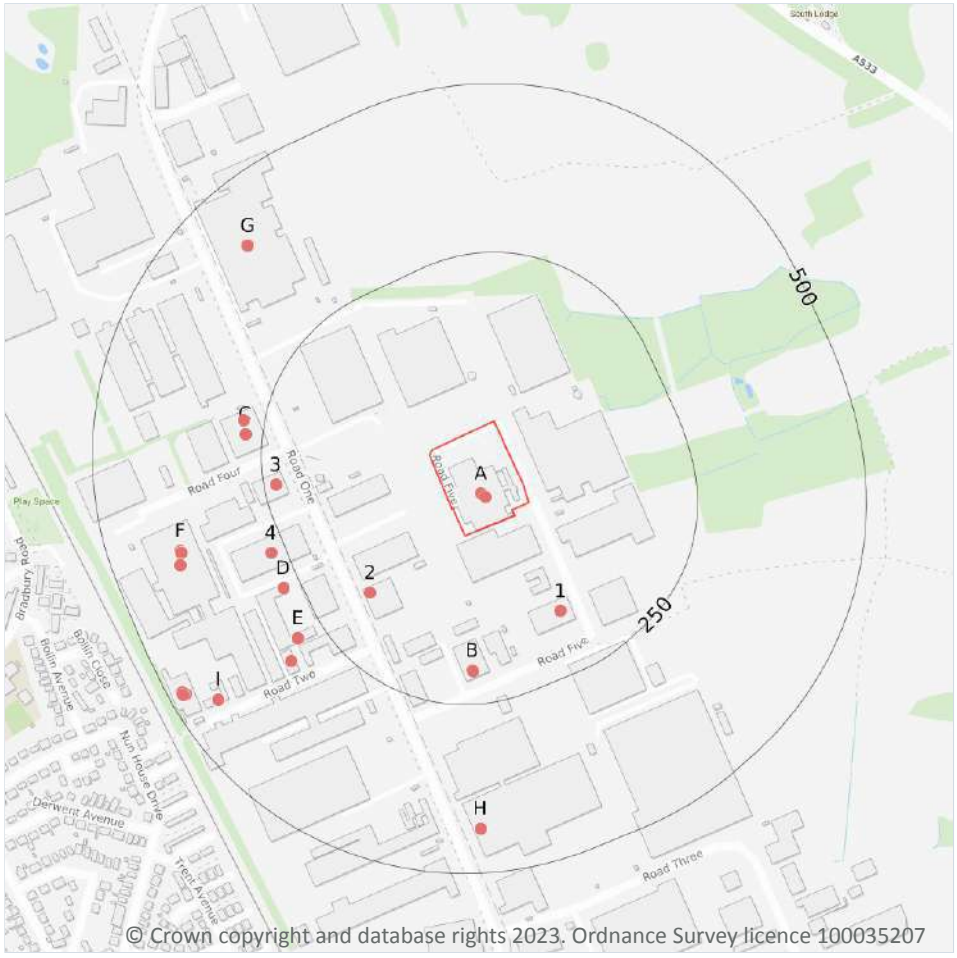
2.5 Historical garages

Records within 500m	0

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'.

This data is sourced from Ordnance Survey / Groundsure.

3 Waste and landfill



Site Outline

Search buffers in metres (m)

Waste exemptions

3.1 Active or recent landfill

Records within 500m	0

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

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

3.2 Historical landfill (BGS records)

Records within 500m	0

Landfill sites identified on a survey carried out on behalf of the DoE in 1973. These sites may have been closed or operational at this time.

This data is sourced from the British Geological Survey.

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	0

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.

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

3.5 Historical waste sites

Records within 500m	0

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

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

3.6 Licensed waste sites

Records within 500m	0

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

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

3.7 Waste exemptions

Records within 500m	69

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 29 >**

ID	Location	Site	Reference	Category	Sub-Category	Description
A	**On site**	**ROAD FIVE, WINSFORD INDUSTRIAL ESTATE, WINSFORD, CW7 3QY**	**WEX218830**	**Treating waste exemption**	**Not on a farm**	**Preparatory treatments (baling, sorting, shredding etc)**
A	**On site**	**Henkel UK Operations Ltd, Road 5 Winsford Industrial Estate, Winsford, cw7 3qy**	**WEX145796**	**Treating waste exemption**	**Not on a farm**	**Preparatory treatments (baling, sorting, shredding etc)**
1	158m SE	15, ROAD FIVE, WINSFORD INDUSTRIAL ESTATE, WINSFORD, CW7 3SG	WEX355016	Storing waste exemption	Not on a farm	Storage of waste in a secure place
2	165m SW	12 Road One WINSFORD Cheshire CW7 3QE	EPR/KF0304LW/A001	Storing waste exemption	Non-Agricultural Waste Only	Storage of waste in secure containers
B	200m S	Unit 2 Road Five WINSFORD Cheshire CW7 3QX	EPR/XE5881RL/A001	Using waste exemption	Non-Agricultural Waste Only	Burning of waste as a fuel in a small appliance
B	201m S	Unit 2 Road 5, Winsford Ind Est, Winsford, CW7 3QX	WEX082908	Disposing of waste exemption	Not on a farm	Burning waste in the open
3	233m W	Cartridge People, Road One (corner of Road Four), Winsford Industrial Estate, Winsford, CW7 3QA	WEX347039	Treating waste exemption	Not on a farm	Treatment of waste toner cartridges by sorting, dismantling, cleaning or refilling
4	273m W	PINEAPPLE PARK, UNIT 6, ROAD ONE, WINSFORD INDUSTRIAL ESTATE, WINSFORD, CW7 3PR	WEX246389	Storing waste exemption	Not on a farm	Storage of waste in a secure place
C	276m W	ROAD ONE, WINSFORD INDUSTRIAL ESTATE, WINSFORD, CW7 3QA	WEX122029	Storing waste exemption	Not on a farm	Storage of waste in secure containers
C	276m W	-	WEX264265	Storing waste exemption	Not on a farm	Storage of waste in secure containers
D	277m SW	OASIS BUSINESS PARK, UNIT 6, ROAD ONE, WINSFORD INDUSTRIAL ESTATE, WINSFORD, CW7 3RY	WEX096185	Storing waste exemption	Not on a farm	Storage of waste in a secure place

ID	Location	Site	Reference	Category	Sub-Category	Description
D	277m SW	OASIS BUSINESS PARK, UNIT 6, ROAD ONE, WINSFORD INDUSTRIAL ESTATE, WINSFORD, CW7 3RY	WEX240820	Storing waste exemption	Not on a farm	Storage of waste in a secure place
C	281m W	Ruck Ltd Road One Winsford CW7 3QA	EPR/WF0209MN/A001	Storing waste exemption	Non-Agricultural Waste Only	Storage of waste in secure containers
E	291m SW	Unit 12, Bridge Building Road Two Winsford Cheshire CW7 3QL	EPR/TE5286DG/A001	Treating waste exemption	Non-Agricultural Waste Only	Sorting mixed waste
E	291m SW	Unit 12, Bridge Building Road Two Winsford Cheshire CW7 3QL	EPR/TE5286DG/A001	Treating waste exemption	Non-Agricultural Waste Only	Manual treatment of waste
E	291m SW	Unit 12, Bridge Building Road Two Winsford Cheshire CW7 3QL	EPR/TE5286DG/A001	Treating waste exemption	Non-Agricultural Waste Only	Recovery of textiles
E	291m SW	Unit 12, Bridge Building Road Two Winsford Cheshire CW7 3QL	EPR/TE5286DG/A001	Treating waste exemption	Non-Agricultural Waste Only	Preparatory treatments (baling, sorting, shredding etc)
E	291m SW	Unit 12, Bridge Building Road Two Winsford Cheshire CW7 3QL	EPR/TE5286DG/A001	Treating waste exemption	Non-Agricultural Waste Only	Treatment of waste wood and waste plant matter by chipping, shredding, cutting or pulverising
E	291m SW	Unit 12, Bridge Building Road Two Winsford Cheshire CW7 3QL	EPR/TE5286DG/A001	Treating waste exemption	Non-Agricultural Waste Only	Recovery of scrap metal
E	291m SW	Unit 12, Bridge Building Road Two Winsford Cheshire CW7 3QL	EPR/TE5286DG/A001	Using waste exemption	Non-Agricultural Waste Only	Burning of waste as a fuel in a small appliance
E	291m SW	Unit 12, Bridge Building Road Two Winsford Cheshire CW7 3QL	EPR/TE5286DG/A001	Using waste exemption	Non-Agricultural Waste Only	Use of waste to manufacture finished goods

ID	Location	Site	Reference	Category	Sub-Category	Description
E	318m SW	-	WEX265914	Storing waste exemption	Not on a farm	Storage of waste in a secure place
F	396m W	ROAD FOUR INDUSTRIAL ESTATE WINSFORD CHESHIRE CW7 3QR	EPR/TF0602WE/A001	Storing waste exemption	Non-Agricultural Waste Only	Storage of waste in a secure place
F	396m W	ROAD FOUR INDUSTRIAL ESTATE WINSFORD CHESHIRE CW7 3QR	EPR/TF0602WE/A001	Treating waste exemption	Non-Agricultural Waste Only	Preparatory treatments (baling, sorting, shredding etc)
F	396m W	ROAD FOUR INDUSTRIAL ESTATE WINSFORD CHESHIRE CW7 3QR	EPR/TF0602WE/A001	Using waste exemption	Non-Agricultural Waste Only	Use of waste to manufacture finished goods
F	396m W	9 Road Four WINSFORD Cheshire CW7 3QR	EPR/SE5151EV/A001	Storing waste exemption	Non-Agricultural Waste Only	Storage of waste in a secure place
F	396m W	9 Road Four WINSFORD Cheshire CW7 3QR	EPR/SE5151EV/A001	Treating waste exemption	Non-Agricultural Waste Only	Preparatory treatments (baling, sorting, shredding etc)
F	396m W	9 Road Four WINSFORD Cheshire CW7 3QR	EPR/SE5151EV/A001	Using waste exemption	Non-Agricultural Waste Only	Use of waste to manufacture finished goods
F	404m W	ROAD FOUR, WINSFORD INDUSTRIAL ESTATE, WINSFORD, CW7 3QR	WEX159903	Treating waste exemption	Not on a Farm	Preparatory treatments (baling, sorting, shredding etc)
F	404m W	ROAD FOUR, WINSFORD INDUSTRIAL ESTATE, WINSFORD, CW7 3QR	WEX159903	Storing waste exemption	Not on a Farm	Storage of waste in a secure place
F	404m W	ROAD FOUR, WINSFORD INDUSTRIAL ESTATE, WINSFORD, CW7 3QR	WEX159903	Using waste exemption	Not on a Farm	Use of waste to manufacture finished goods
F	404m W	ROAD FOUR, WINSFORD INDUSTRIAL ESTATE, WINSFORD, CW7 3QR	WEX297118	Storing waste exemption	Not on a Farm	Storage of waste in a secure place
F	404m W	ROAD FOUR, WINSFORD INDUSTRIAL ESTATE, WINSFORD, CW7 3QR	WEX297118	Treating waste exemption	Not on a Farm	Preparatory treatments (baling, sorting, shredding etc)

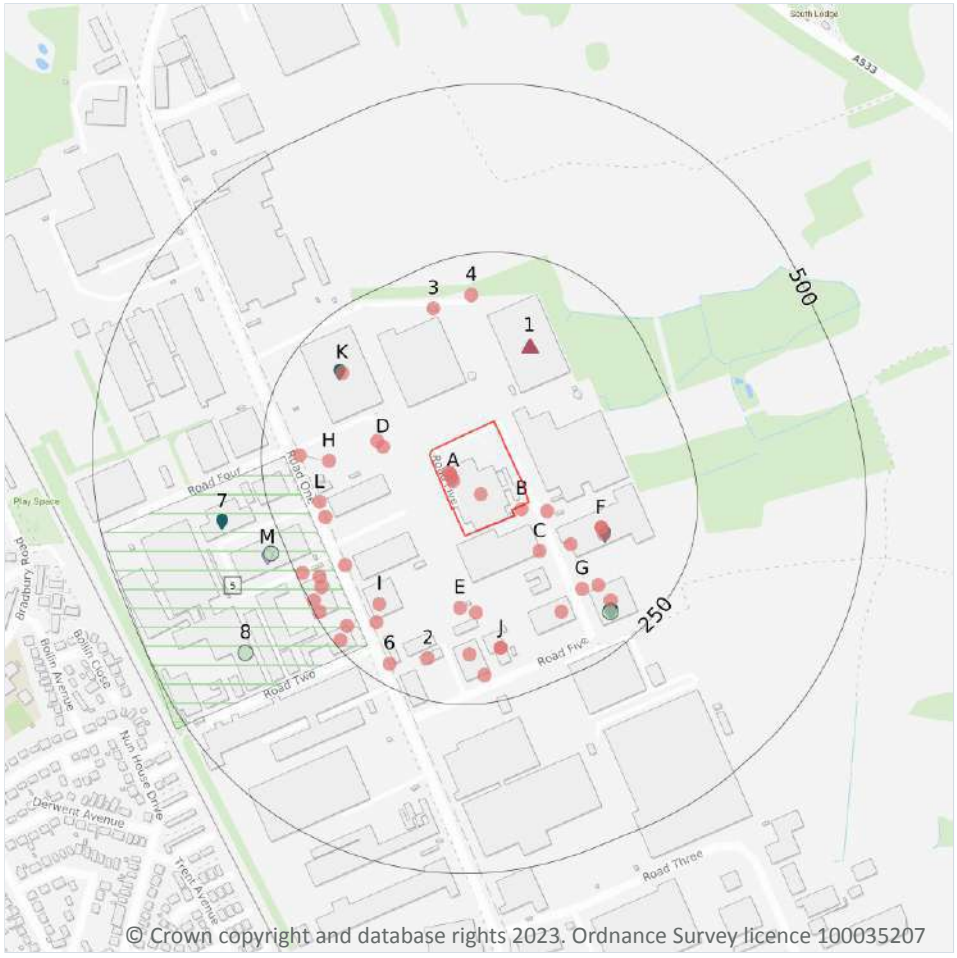
ID	Location	Site	Reference	Category	Sub-Category	Description
F	404m W	ROAD FOUR, WINSFORD INDUSTRIAL ESTATE, WINSFORD, CW7 3QR	WEX297118	Using waste exemption	Not on a Farm	Use of waste to manufacture finished goods
G	407m NW	ROAD ONE, WINSFORD INDUSTRIAL ESTATE, WINSFORD, CW7 3RD	WEX224566	Using waste exemption	Not on a farm	Use of waste to manufacture finished goods
G	407m NW	ROAD ONE, WINSFORD INDUSTRIAL ESTATE, WINSFORD, CW7 3RD	WEX224566	Treating waste exemption	Not on a farm	Preparatory treatments (baling, sorting, shredding etc)
H	435m S	Opposite Mitras Automotives (UK) Ltd	WEX267293	Storing waste exemption	Not on a farm	Storage of waste in a secure place
H	435m S	Opposite Mitras Automotives (UK) Ltd	WEX267293	Treating waste exemption	Not on a farm	Sorting mixed waste
H	435m S	Opposite Mitras Automotives (UK) Ltd	WEX267293	Treating waste exemption	Not on a farm	Preparatory treatments (baling, sorting, shredding etc)
I	439m SW	Unit 12, Road Two, Winsford Industrial Estate, Winsford, CW7 3QL	WEX230264	Using waste exemption	Not on a farm	Burning of waste as a fuel in a small appliance
I	439m SW	Unit 12, Road Two, Winsford Industrial Estate, Winsford, CW7 3QL	WEX230264	Using waste exemption	Not on a farm	Use of waste to manufacture finished goods
I	439m SW	Unit 12, Road Two, Winsford Industrial Estate, Winsford, CW7 3QL	WEX230264	Treating waste exemption	Not on a farm	Recovery of textiles
I	439m SW	Unit 12, Road Two, Winsford Industrial Estate, Winsford, CW7 3QL	WEX230264	Treating waste exemption	Not on a farm	Preparatory treatments (baling, sorting, shredding etc)
I	439m SW	Unit 12, Road Two, Winsford Industrial Estate, Winsford, CW7 3QL	WEX230264	Treating waste exemption	Not on a farm	Treatment of waste wood and waste plant matter by chipping, shredding, cutting or pulverising
I	439m SW	Unit 12, Road Two, Winsford Industrial Estate, Winsford, CW7 3QL	WEX230264	Treating waste exemption	Not on a farm	Recovery of scrap metal
I	439m SW	Unit 12, Road Two, Winsford Industrial Estate, Winsford, CW7 3QL	WEX230264	Treating waste exemption	Not on a farm	Sorting mixed waste
I	439m SW	Unit 12, Road Two, Winsford Industrial Estate, Winsford, CW7 3QL	WEX230264	Treating waste exemption	Not on a farm	Manual treatment of waste

ID	Location	Site	Reference	Category	Sub-Category	Description
I	439m SW	Unit 12, Road Two, Winsford Industrial Estate, Winsford, CW7 3QL	WEX230264	Storing waste exemption	Not on a farm	Storage of waste in a secure place
I	439m SW	Unit 12, Road Two, Winsford Industrial Estate, Winsford, CW7 3QL	WEX084591	Storing waste exemption	Not on a farm	Storage of waste in a secure place
I	439m SW	Unit 12, Road Two, Winsford Industrial Estate, Winsford, CW7 3QL	WEX084591	Treating waste exemption	Not on a farm	Sorting mixed waste
I	439m SW	Unit 12, Road Two, Winsford Industrial Estate, Winsford, CW7 3QL	WEX084591	Treating waste exemption	Not on a farm	Manual treatment of waste
I	439m SW	Unit 12, Road Two, Winsford Industrial Estate, Winsford, CW7 3QL	WEX084591	Treating waste exemption	Not on a farm	Recovery of textiles
I	439m SW	Unit 12, Road Two, Winsford Industrial Estate, Winsford, CW7 3QL	WEX084591	Treating waste exemption	Not on a farm	Preparatory treatments (baling, sorting, shredding etc)
I	439m SW	Unit 12, Road Two, Winsford Industrial Estate, Winsford, CW7 3QL	WEX084591	Treating waste exemption	Not on a farm	Treatment of waste wood and waste plant matter by chipping, shredding, cutting or pulverising
I	439m SW	Unit 12, Road Two, Winsford Industrial Estate, Winsford, CW7 3QL	WEX084591	Treating waste exemption	Not on a farm	Recovery of scrap metal
I	439m SW	Unit 12, Road Two, Winsford Industrial Estate, Winsford, CW7 3QL	WEX084591	Using waste exemption	Not on a farm	Burning of waste as a fuel in a small appliance
I	439m SW	Unit 12, Road Two, Winsford Industrial Estate, Winsford, CW7 3QL	WEX084591	Using waste exemption	Not on a farm	Use of waste to manufacture finished goods
I	439m SW	Unit 12, Road Two, Winsford Industrial Estate, Winsford, CW7 3QL	WEX356591	Storing waste exemption	Not on a farm	Storage of waste in a secure place
I	439m SW	Unit 12, Road Two, Winsford Industrial Estate, Winsford, CW7 3QL	WEX356591	Treating waste exemption	Not on a farm	Manual treatment of waste
I	439m SW	Unit 12, Road Two, Winsford Industrial Estate, Winsford, CW7 3QL	WEX356591	Treating waste exemption	Not on a farm	Sorting mixed waste

ID	Location	Site	Reference	Category	Sub-Category	Description
I	439m SW	Unit 12, Road Two, Winsford Industrial Estate, Winsford, CW7 3QL	WEX356591	Treating waste exemption	Not on a farm	Recovery of scrap metal
I	439m SW	Unit 12, Road Two, Winsford Industrial Estate, Winsford, CW7 3QL	WEX356591	Treating waste exemption	Not on a farm	Treatment of waste wood and waste plant matter by chipping, shredding, cutting or pulverising
I	439m SW	Unit 12, Road Two, Winsford Industrial Estate, Winsford, CW7 3QL	WEX356591	Treating waste exemption	Not on a farm	Preparatory treatments (baling, sorting, shredding etc)
I	439m SW	Unit 12, Road Two, Winsford Industrial Estate, Winsford, CW7 3QL	WEX356591	Treating waste exemption	Not on a farm	Recovery of textiles
I	439m SW	Unit 12, Road Two, Winsford Industrial Estate, Winsford, CW7 3QL	WEX356591	Using waste exemption	Not on a farm	Use of waste to manufacture finished goods
I	439m SW	Unit 12, Road Two, Winsford Industrial Estate, Winsford, CW7 3QL	WEX356591	Using waste exemption	Not on a farm	Burning of waste as a fuel in a small appliance
I	476m SW	Unit 12,Road 2,Winsford Industrial Estate,Winsford CW7 3QL	EXP/TP3946YH	Treating waste exemption	Not on a farm	Repair or refurbishment of WEEE
I	479m SW	Unit 12, Road Two, Winsford Industrial Estate, Winsford, CW7 3QL	EA/EPR/VP3854AG/A001	Treating waste exemption	Not on a farm	Repair or refurbishment of WEEE
I	480m SW	Unit 12, Road Two, Winsford Industrial Estate, Winsford, CW7 3QL	EA/EPR/VP3957JP/A001	Treating waste exemption	Not on a farm	Repair or refurbishment of WEEE

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

Control of Major Accident Hazards

Hazardous substance storage/usage

Part A(1) industrial activities

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

Pollution Incidents (EA/NRW)

4.1 Recent industrial land uses

Records within 250m	44

Current potentially contaminative industrial sites.

Features are displayed on the Current industrial land use map on **page 37 >**

ID	Location	Company	Address	Activity	Category
A	**On site**	**Tank**	**Cheshire, CW7**	**Tanks (Generic)**	**Industrial Features**
A	**On site**	**Tank**	**Cheshire, CW7**	**Tanks (Generic)**	**Industrial Features**
A	**On site**	**Tank**	**Cheshire, CW7**	**Tanks (Generic)**	**Industrial Features**

ID	Location	Company	Address	Activity	Category
A	**On site**	**Tank**	**Cheshire, CW7**	**Tanks (Generic)**	**Industrial Features**
A	**On site**	**Tank**	**Cheshire, CW7**	**Tanks (Generic)**	**Industrial Features**
A	**On site**	**Henkel Ltd**	**Henkel Ltd, Road Five, Winsford, Cheshire, CW7 3QY**	**Adhesives and Sealants**	**Industrial Products**
B	4m SE	Electricity Sub Station	Cheshire, CW7	Electrical Features	Infrastructure and Facilities
B	31m SE	Electricity Sub Station	Cheshire, CW7	Electrical Features	Infrastructure and Facilities
C	65m SE	Electricity Sub Station	Cheshire, CW7	Electrical Features	Infrastructure and Facilities
D	71m W	Mast	Cheshire, CW7	Telecommunications Features	Infrastructure and Facilities
D	81m W	Gas Valve Compound	Cheshire, CW7	Gas Features	Infrastructure and Facilities
C	88m SE	Electricity Sub Station	Cheshire, CW7	Electrical Features	Infrastructure and Facilities
E	107m S	Mast (Telecommunication)	Cheshire, CW7	Telecommunications Features	Infrastructure and Facilities
F	113m E	Horizon Packaging Specialists Ltd	Unit 2 Tithebarn, Road Five, Winsford Industrial Estate, Winsford, Cheshire, CW7 3PG	Packaging	Industrial Products
F	113m E	Cammack Transport Ltd	-, Road Five, Winsford, Cheshire, CW7 3RB	Distribution and Haulage	Transport, Storage and Delivery
E	114m S	Winsford Industrial Estate	Cheshire, CW7	Business Parks and Industrial Estates	Industrial Features
F	121m SE	Tithebarn Ltd	Unit 8, Road Five, Winsford, Cheshire, CW7 3RB	Animal Feeds, Pet Foods, Hay and Straw	Foodstuffs
G	147m SE	Electricity Sub Station	Cheshire, CW7	Electrical Features	Infrastructure and Facilities
H	150m W	Electricity Sub Station	Cheshire, CW7	Electrical Features	Infrastructure and Facilities

ID	Location	Company	Address	Activity	Category
G	158m SE	S R L Traffic Systems Ltd	15, Road Five, Winsford, Cheshire, CW7 3SG	Electronic Equipment	Industrial Products
G	160m SE	Tank	Cheshire, CW7	Tanks (Generic)	Industrial Features
I	162m SW	Finning UK Ltd	-, Road One, Winsford, Cheshire, CW7 3QE	Construction Plant	Construction Services
J	174m S	Cheshire Pressings Ltd	Unit 9, Road Five, Winsford, Cheshire, CW7 3QX	Industrial Engineers	Engineering Services
J	174m S	Winsford Fabrications	Unit 9, Road Five, Winsford, Cheshire, CW7 3QX	General Construction Supplies	Industrial Products
J	175m S	S P Diesels Ltd	Unit 4, Road Five, Winsford, Cheshire, CW7 3QX	Vehicle Repair, Testing and Servicing	Repair and Servicing
K	176m NW	Tiger Trailers	16, Road One, Winsford, Cheshire, CW7 3RL	Lifting and Handling Equipment	Industrial Products
L	178m W	Pylon	Cheshire, CW7	Electrical Features	Infrastructure and Facilities
L	178m W	Electricity Sub Station	Cheshire, CW7	Electrical Features	Infrastructure and Facilities
I	178m SW	Electricity Sub Station	Cheshire, CW7	Electrical Features	Infrastructure and Facilities
I	183m SW	Electricity Sub Station	Cheshire, CW7	Electrical Features	Infrastructure and Facilities
G	189m SE	Renray Healthcare	-, Road Five, Winsford, Cheshire, CW7 3RB	Carpets, Flooring, Rugs and Soft Furnishings	Consumer Products
2	189m S	L P Chemicals	-, Road Five, Winsford, Cheshire, CW7 3RB	Colours, Chemicals and Water Softeners and Supplies	Industrial Products
3	189m N	Electricity Sub Station	Cheshire, CW7	Electrical Features	Infrastructure and Facilities
4	190m N	Electricity Sub Station	Cheshire, CW7	Electrical Features	Infrastructure and Facilities
H	193m W	Pylon	Cheshire, CW7	Electrical Features	Infrastructure and Facilities
J	208m S	Electricity Sub Station	Cheshire, CW7	Electrical Features	Infrastructure and Facilities

ID	Location	Company	Address	Activity	Category
6	220m SW	Pylon	Cheshire, CW7	Electrical Features	Infrastructure and Facilities
I	220m SW	Electricity Sub Station	Cheshire, CW7	Electrical Features	Infrastructure and Facilities
I	220m SW	Electricity Sub Station	Cheshire, CW7	Electrical Features	Infrastructure and Facilities
I	224m SW	S T M Power Transmissio n Ltd	Unit 1 Oasis Business Park, Road One, Winsford, Cheshire, CW7 3RY	Vehicle Components	Industrial Products
I	241m SW	Newbury Data	17b, Road One, Winsford, Cheshire, CW7 3PZ	Printing Related Machinery	Industrial Products
I	241m SW	Electricity Sub Station	Cheshire, CW7	Electrical Features	Infrastructure and Facilities
I	243m SW	T W M Traffic Control Systems Ltd	Unit 4 Oasis Business Park, Road One, Winsford, Cheshire, CW7 3RY	Electronic Equipment	Industrial Products
I	244m SW	D C Lomas Ltd	Unit 3 Oasis Business Park, Road One, Winsford, Cheshire, CW7 3RY	Vehicle Repair, Testing and Servicing	Repair and Servicing

This data is sourced from Ordnance Survey.

4.2 Current or recent petrol stations

Records within 500m	0

Open, closed, under development and obsolete petrol stations.

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	0

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

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 37 >**

ID	Location	Company	Address	Operational status	Tier
5	196m SW	Diversey Lever	Diversey Lever, Winsford Ind Est, Winsford, CW7 3PP	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	1

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.

Features are displayed on the Current industrial land use map on **page 37 >**

ID	Location	Details	
1	123m N	Application reference number: 15/01328/HAZ Application status: Historical Consent Application date: 30/03/2015 Address: Henkel Ltd, Road Five, Winsford Industrial Estate, Winsford, Cheshire, England, CW7 3QY	Details: Storage of adhesives, sealants and speciality chemicals, Part C H1- 10 tonnes, Part C H2 - 50 tonnes, Part C P3a - 50 tonnes, Part C P3b - 100 tonnes, Part C P5a - 5 tonnes, Part C P5c - 100 tonnes, Part C P6a - 2 tonnes, Part C P6b - 5 tonnes, Part Enforcement: No Enforcement Notified Date of enforcement: No Enforcement Notified Comment: No Enforcement Notified

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	2

Records of Part A(1) 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 37 >**

ID	Location	Details	
M	280m W	Operator: ADVANCED MEDICAL SOLUTIONS LIMITED Installation Name: Acrylic Adhesive Manufacture Process: ORGANIC CHEMICALS; PLASTIC MATERIALS EG POLYMERS Permit Number: JP3631PJ Original Permit Number: JP3631PJ	EPR Reference: EPR/JP3631PJ Issue Date: 22/06/2010 Effective Date: 22/06/2010 Last date noted as effective: 25/05/2023 Status: Surrendered

ID	Location	Details	
M	280m W	Operator: Advanced Medical Solutions Ltd Installation Name: Acrylic Adhesive Manufacture Process: ORGANIC CHEMICALS; PLASTIC MATERIALS EG POLYMERS Permit Number: RP3539TP Original Permit Number: JP3631PJ	EPR Reference: - Issue Date: - Effective Date: 22/06/2010 Last date noted as effective: 21/03/2023 Status: Surrender Effective

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

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

Records within 500m	**5**

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 37 >**

ID	Location	Address	Details	
F	121m SE	Tithebarn Ltd, Road Five, Winsford Industrial Est, Winsford, CW7 3PG	Process: Animal Feed Compound Status: Current Permit Permit Type: Part B	Enforcement: No enforcements notified Date of enforcement: No enforcements notified Comment: No enforcements notified
K	179m NW	Tiger Trailers, Road One, Winsford Industrial Estate, Winsford, CW7 3RL	Process: Respraying of Road Vehicles Status: Current Permit Permit Type: Part B	Enforcement: No enforcements notified Date of enforcement: No enforcements notified Comment: No enforcements notified
G	199m SE	Renray Healthcare Limited, Road Five, Winsford Industrial Estate, CW7 3RB	Process: Coating Processes Status: Current Permit Permit Type: Part B	Enforcement: No enforcements notified Date of enforcement: No enforcements notified Comment: No enforcements notified
G	201m SE	Huntleigh Renray, Road Five, Winsford Industrial Estate, Winsford, CW7 3RB	Process: Timber Manufacture Status: Historical Permit Permit Type: Part B	Enforcement: No enforcements notified Date of enforcement: No enforcements notified Comment: No enforcements notified
7	323m W	Post and Column Company Limited, Road Four, Winsford Industrial Estate, Winsford, Cheshire, CW7 3RS	Process: Coating Processes 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	0

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

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

4.13 Licensed Discharges to controlled waters

Records within 500m	0

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

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

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

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

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	3

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 37 >**

ID	Location	Details	
G	201m SE	Incident Date: 11/09/2001 Incident Identification: 30206 Pollutant: Oils and Fuel Pollutant Description: Kerosene and Aviation Fuel	Water Impact: Category 4 (No Impact) Land Impact: Category 4 (No Impact) Air Impact: Category 4 (No Impact)
M	273m W	Incident Date: 31/10/2001 Incident Identification: 40328 Pollutant: Organic Chemicals/Products Pollutant Description: Hydrocarbons	Water Impact: Category 4 (No Impact) Land Impact: Category 4 (No Impact) Air Impact: Category 4 (No Impact)
8	368m SW	Incident Date: 15/01/2003 Incident Identification: 131191 Pollutant: Pollutant Not Identified Pollutant Description: Not Identified	Water Impact: Category 4 (No Impact) Land Impact: Category 4 (No Impact) Air Impact: Category 4 (No Impact)

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

4.19 Pollution inventory substances

Records within 500m	0

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

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.

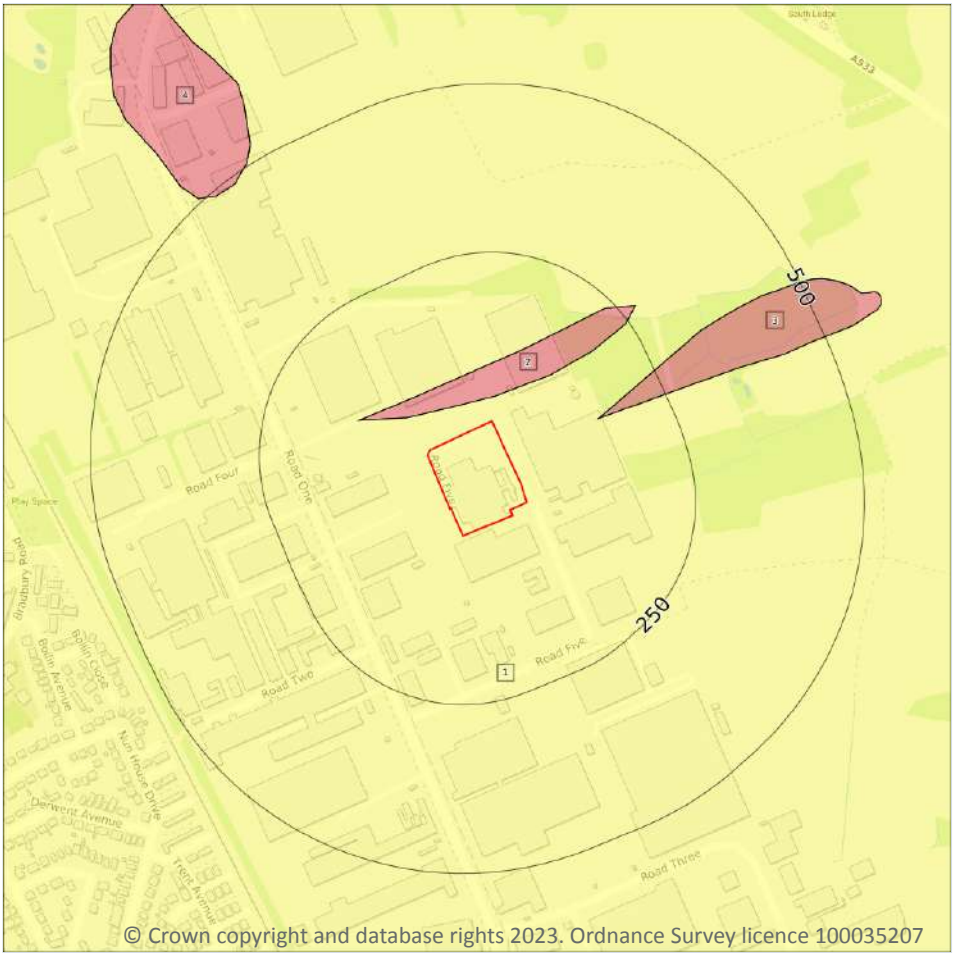
4.21 Pollution inventory radioactive waste

Records within 500m	0

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.

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.

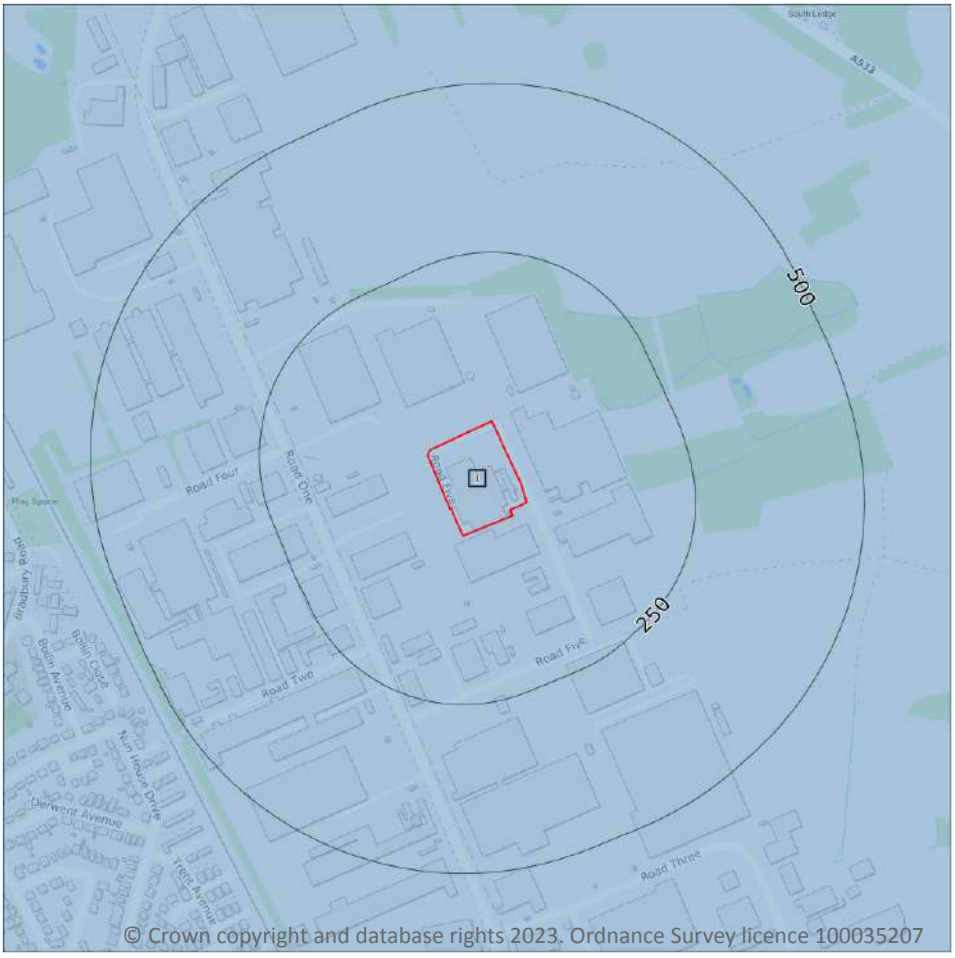
Features are displayed on the Hydrogeology map on **page 47 >**

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	35m N	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

ID	Location	Designation	Description
3	146m NE	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	489m NW	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

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

Bedrock aquifer



Site Outline

Search buffers in metres (m)

- Principal
- Secondary A
- Secondary B
- Secondary Undifferentiated
- Unproductive

5.2 Bedrock aquifer

Records within 500m	1

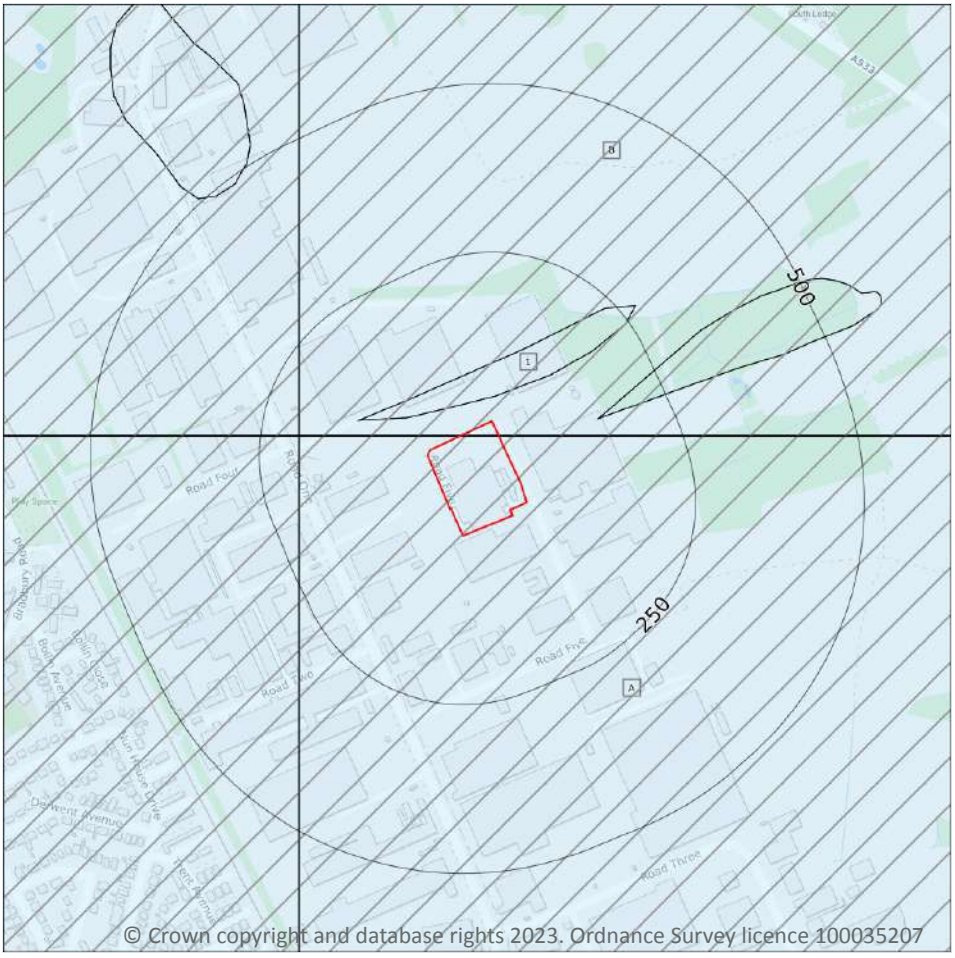
Aquifer status of groundwater held within bedrock geology.

Features are displayed on the Bedrock aquifer map on **page 49 >**

ID	Location	Designation	Description
1	**On site**	**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.

Groundwater vulnerability



Site Outline

Search buffers in metres (m)

Superficial vulnerability

- Principal superficial aquifer, high vulnerability
- Secondary superficial aquifer, high vulnerability
- Principal superficial aquifer, medium vulnerability
- Secondary superficial aquifer, medium vulnerability
- Principal superficial aquifer, low vulnerability
- Secondary superficial aquifer, low vulnerability

Bedrock vulnerability

- Principal bedrock aquifer, high vulnerability
- Secondary bedrock aquifer, high vulnerability
- Principal bedrock aquifer, medium vulnerability
- Secondary bedrock aquifer, medium vulnerability
- Principal bedrock aquifer, low vulnerability
- Secondary bedrock aquifer, low vulnerability

Other information

- Unproductive aquifer
- Soluble rock risk
- Local information

5.3 Groundwater vulnerability

Records within 50m	3

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 50 >**

ID	Location	Summary	Soil / surface	Superficial geology	Bedrock geology
A	**On site**	**Summary Classification: Secondary superficial aquifer - Low Vulnerability Combined classification: Unproductive 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: Unproductive Aquifer type: Unproductive Flow mechanism: Well connected fractures**
B	**On site**	**Summary Classification: Secondary superficial aquifer - Low Vulnerability Combined classification: Unproductive 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: Unproductive Aquifer type: Unproductive Flow mechanism: Well connected fractures**
1	34m N	Summary Classification: Secondary superficial aquifer - Low Vulnerability Combined classification: Unproductive 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: Unproductive Aquifer type: Unproductive 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	**2**

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

ID	Maximum soluble risk category	Percentage of grid square covered by maximum risk
A	**Very significant soluble rocks are likely to be present with a high possibility of localised subsidence or dissolution-related degradation of bedrock occurring naturally, especially in adverse conditions such as concentrated surface or subsurface water flow.**	**100.0%**
B	**Very significant soluble rocks are likely to be present with a high possibility of localised subsidence or dissolution-related degradation of bedrock occurring naturally, especially in adverse conditions such as concentrated surface or subsurface water flow.**	**100.0%**

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

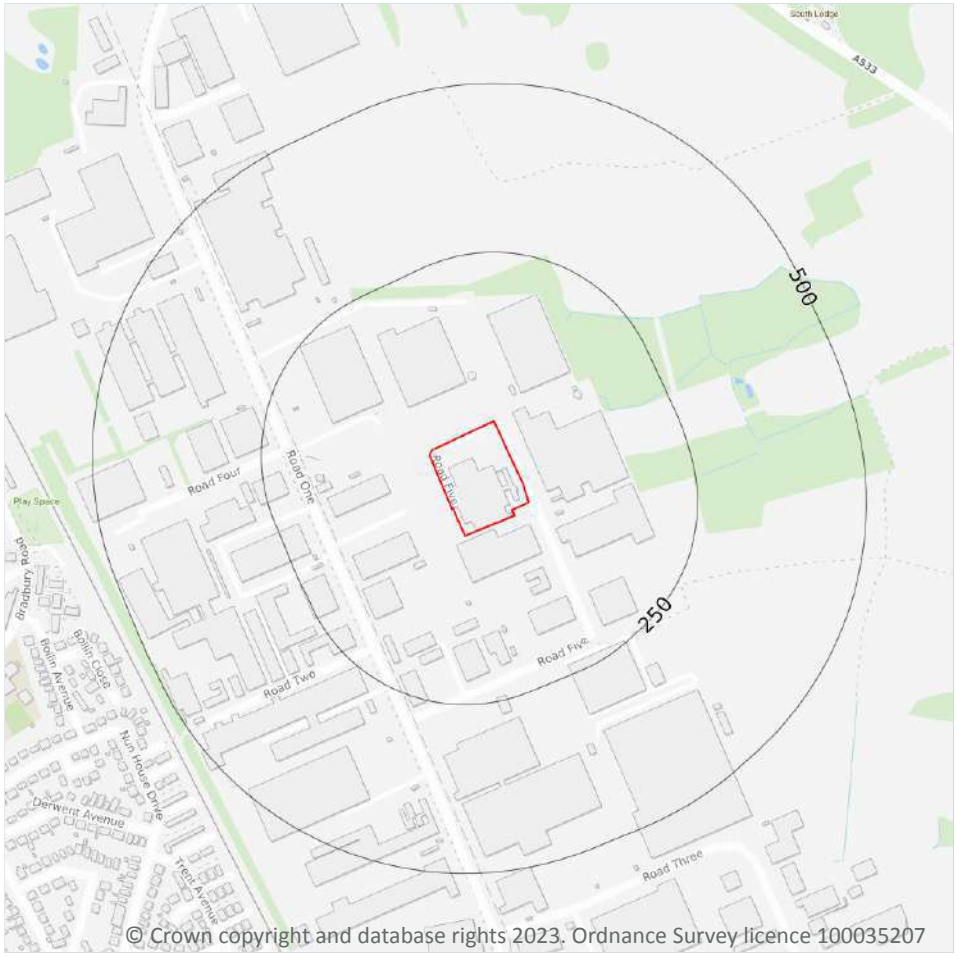
5.5 Groundwater vulnerability- local information

Records on site	0

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
- 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	2

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 53 >**

ID	Location	Details	
-	947m E	Status: Historical Licence No: 2568002026 Details: General use relating to Secondary Category (Medium Loss) Direct Source: Ground Water - North West Region Point: "WELL AT BANK FARM, STANTHORNE, MIDDLEWICH" Data Type: Point Name: HAGUE Easting: 368200 Northing: 367300	Annual Volume (m^3): - Max Daily Volume (m^3): - Original Application No: - Original Start Date: 10/01/1976 Expiry Date: - Issue No: 100 Version Start Date: 10/01/1976 Version End Date: -
-	947m E	Status: Historical Licence No: 2568002026 Details: General use relating to Secondary Category (Medium Loss) Direct Source: Ground Water - North West Region Point: WELL AT BANK FARM, STANTHORNE, MIDDLEWICH Data Type: Point Name: HAGUE Easting: 368200 Northing: 367300	Annual Volume (m^3): - Max Daily Volume (m^3): - Original Application No: - Original Start Date: 10/01/1976 Expiry Date: - Issue No: 100 Version Start Date: 10/01/1976 Version End Date: -

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

5.7 Surface water abstractions

Records within 2000m	**0**

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.

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

5.8 Potable abstractions

Records within 2000m	**0**

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	0

Source Protection Zones define the sensitivity of an area around a potable abstraction site to contamination.

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

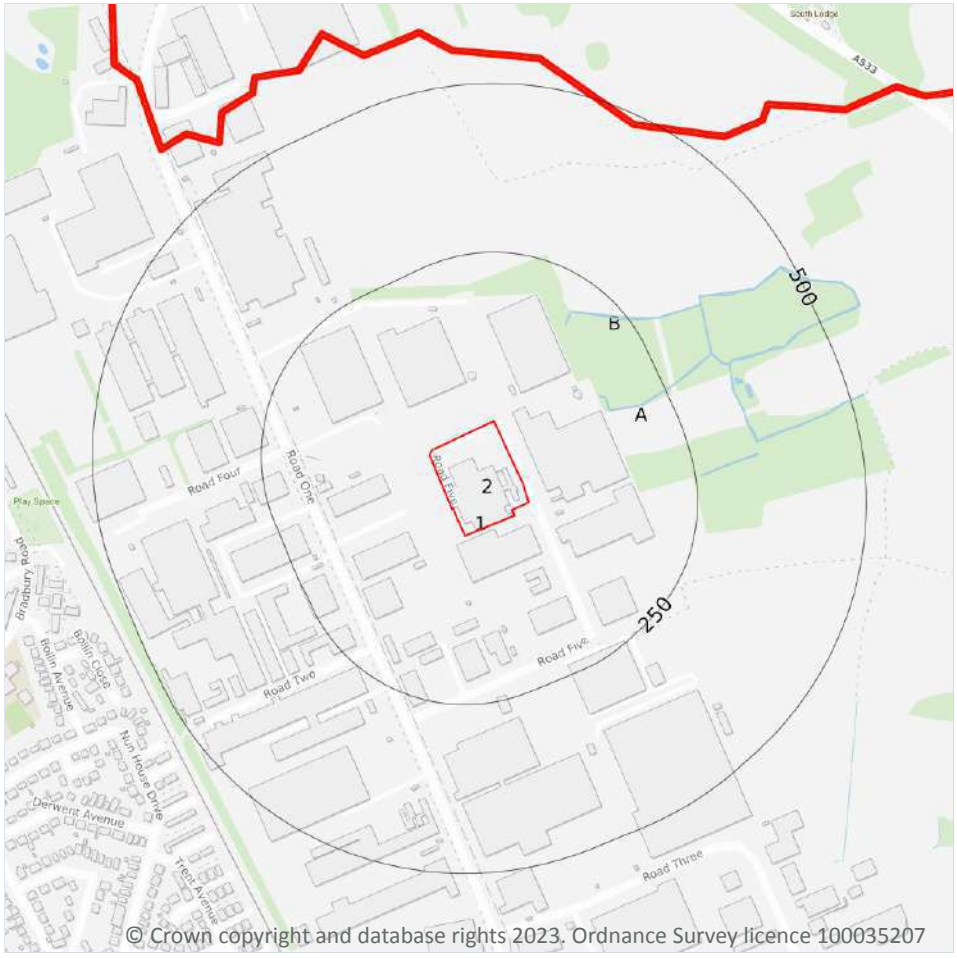
5.10 Source Protection Zones (confined aquifer)

Records within 500m	0

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	2

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 56 >**

ID	Location	Type of water feature	Ground level	Permanence	Name
A	157m NE	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	178m NE	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	2

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 56 >**

This data is sourced from the Ordnance Survey.

6.3 WFD Surface water body catchments

Records on site	1

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 56 >**

ID	Location	Type	Water body catchment	Water body ID	Operational catchment	Management catchment
1	**On site**	**River**	**Weaver (Marbury Brook to Dane)**	**GB112068060460**	**Weaver Upper**	**Weaver Gowy**

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

6.4 WFD Surface water bodies

Records identified	1

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 56 >**

ID	Location	Type	Name	Water body ID	Overall rating	Chemical rating	Ecological rating	Year
-	1685m W	River	Weaver (Marbury Brook to Dane)	GB112068060460 ↗	Poor	Fail	Poor	2019

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

6.5 WFD Groundwater bodies

Records on site	**1**

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 56 >**

ID	Location	Name	Water body ID	Overall rating	Chemical rating	Quantitative	Year
2	**On site**	**Weaver and Dane Quaternary Sand and Gravel Aquifers**	**GB41202G991700 ↗**	**Poor**	**Poor**	**Good**	**2019**

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

7 River and coastal flooding

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	0

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.

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.

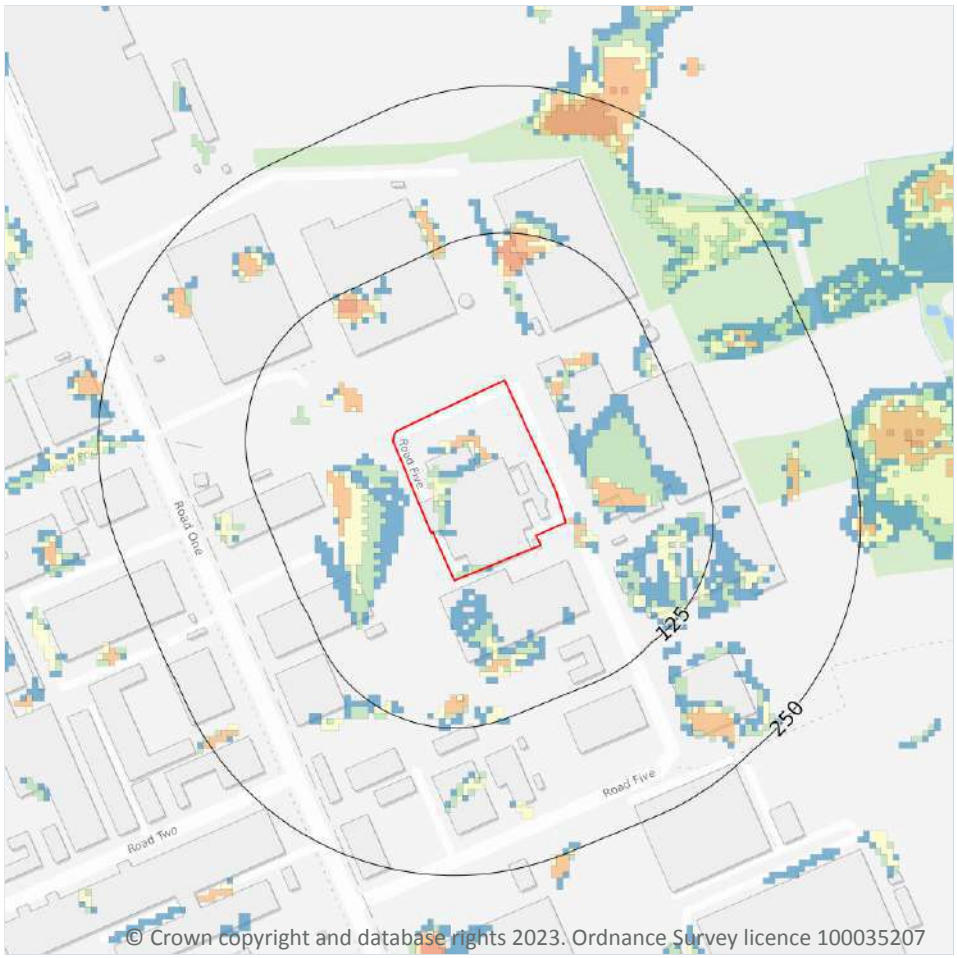
7.7 Flood Zone 3

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



Site Outline
Search buffers in metres (m)

1 in 1000 return period
- Depth between 0.1m - 0.3m
- Depth between 0.3m - 1.0m
- Depth greater than 1.0m

1 in 250 return period
- Depth between 0.1m - 0.3m
- Depth between 0.3m - 1.0m
- Depth greater than 1.0m

1 in 100 return period
- Depth between 0.1m - 0.3m
- Depth between 0.3m - 1.0m
- Depth greater than 1.0m

1 in 30 return period
- Depth between 0.1m - 0.3m
- Depth between 0.3m - 1.0m
- Depth greater than 1.0m

8.1 Surface water flooding

Highest risk on site	**1 in 30 year, 0.1m - 0.3m**
Highest risk within 50m	**1 in 30 year, 0.1m - 0.3m**

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 62 >**

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	Between 0.1m and 0.3m
1 in 250 year	Between 0.1m and 0.3m
1 in 100 year	Between 0.1m and 0.3m
1 in 30 year	Between 0.1m and 0.3m

This data is sourced from Ambiental Risk Analytics.

9 Groundwater flooding

Site Outline

Search buffers in metres (m)

- High
- Moderate - High
- Moderate
- Low
- Negligible

9.1 Groundwater flooding

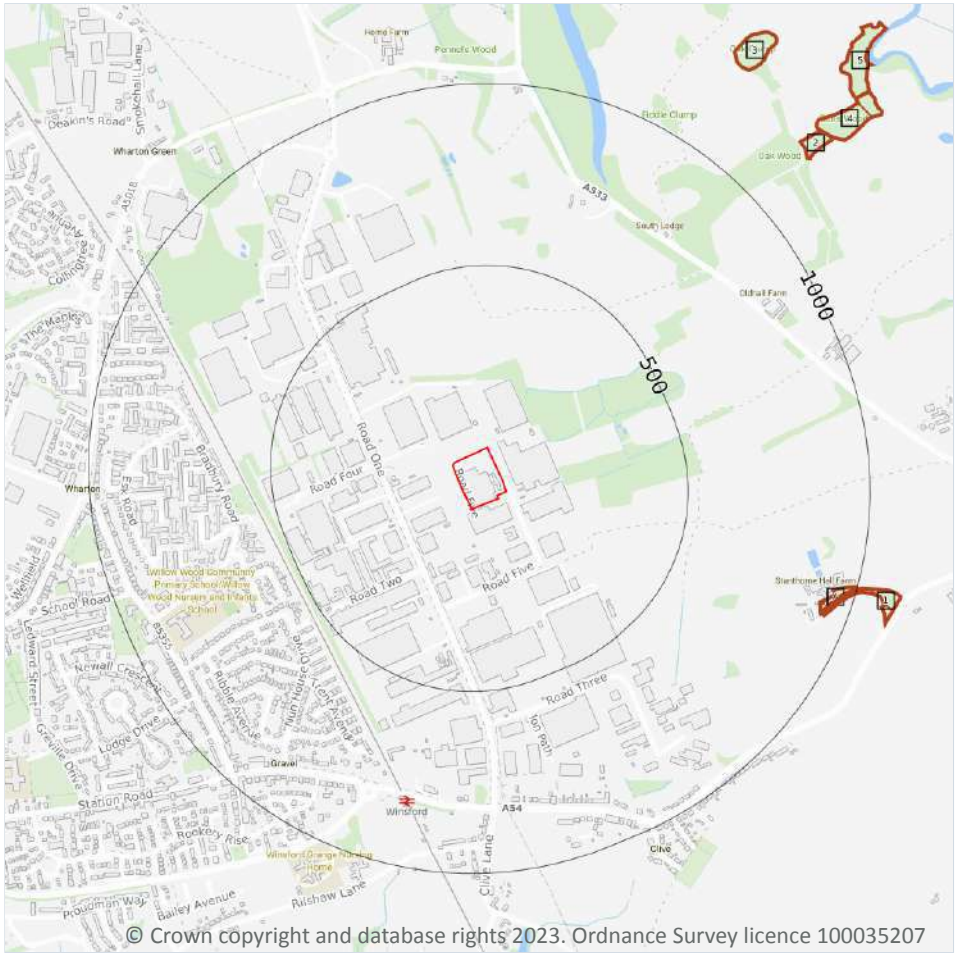
Highest risk on site	**Low**
Highest risk within 50m	**Low**

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 64 >**

This data is sourced from Ambiental Risk Analytics.

10 Environmental designations



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Site Outline

Search buffers in metres (m)

Designated Ancient Woodland

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	0

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.

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

10.7 Designated Ancient Woodland

Records within 2000m	8

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.

Features are displayed on the Environmental designations map on **page 65 >**

ID	Location	Name	Woodland Type
A	915m E	Stanthorne Hall Farm	Ancient & Semi-Natural Woodland
A	932m E	Stanthorne Hall Farm	Ancient & Semi-Natural Woodland
1	1012m E	Stanthorne Hall Farm	Ancient & Semi-Natural Woodland
2	1185m NE	Unknown	Ancient & Semi-Natural Woodland
3	1258m NE	Oak Clump	Ancient & Semi-Natural Woodland
4	1261m NE	Unknown	Ancient Replanted Woodland
5	1392m NE	Unknown	Ancient Replanted Woodland
-	1568m S	Double Wood	Ancient & Semi-Natural Woodland

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	0

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

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

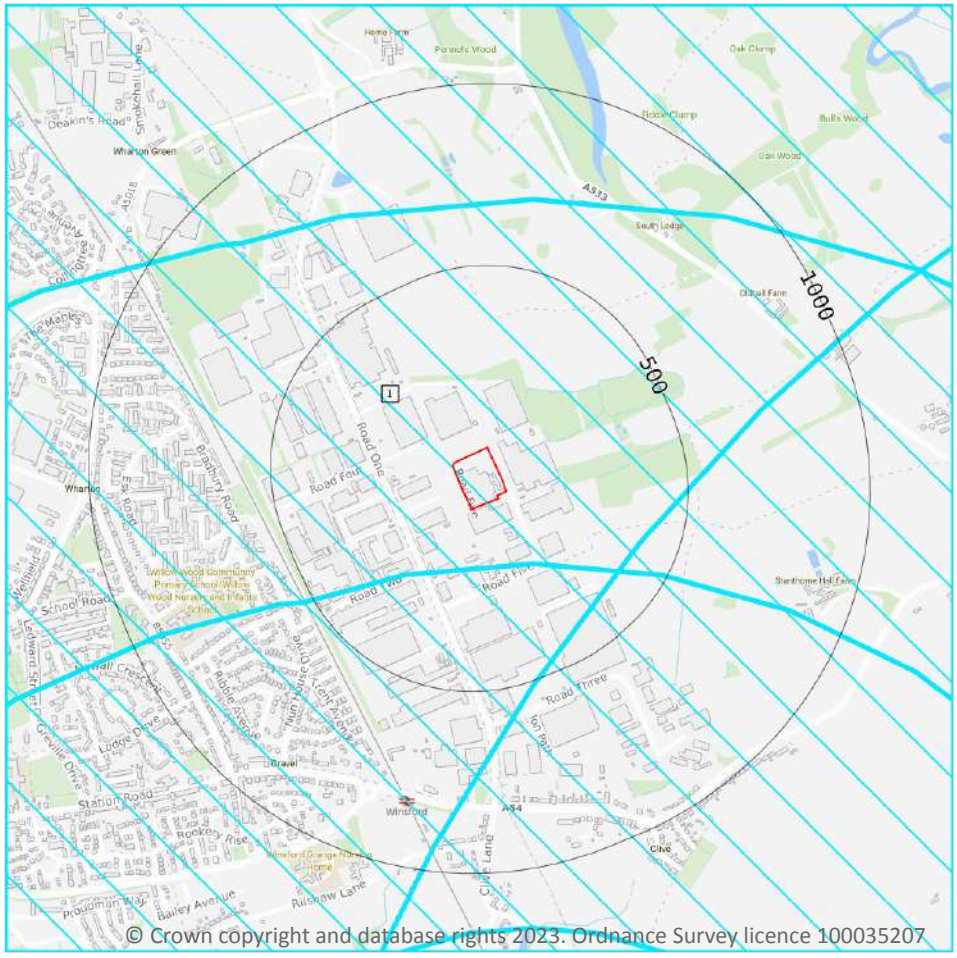
Records within 2000m	2

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	**River Weaver (Dane to Frodsham) NVZ**	**Surface Water**	**636**	**Existing**
870m S	River Weaver (Dane to Frodsham) NVZ	Surface Water	636	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	1

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 70 >**

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. Minerals, Oil and Gas - Planning applications for quarries, including: new proposals, Review of Minerals Permissions (ROMP), extensions, variations to conditions etc. Oil & gas exploration/extraction. 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.**

This data is sourced from Natural England.

10.18 SSSI Units

Records within 2000m	**0**

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

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	0

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.

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.

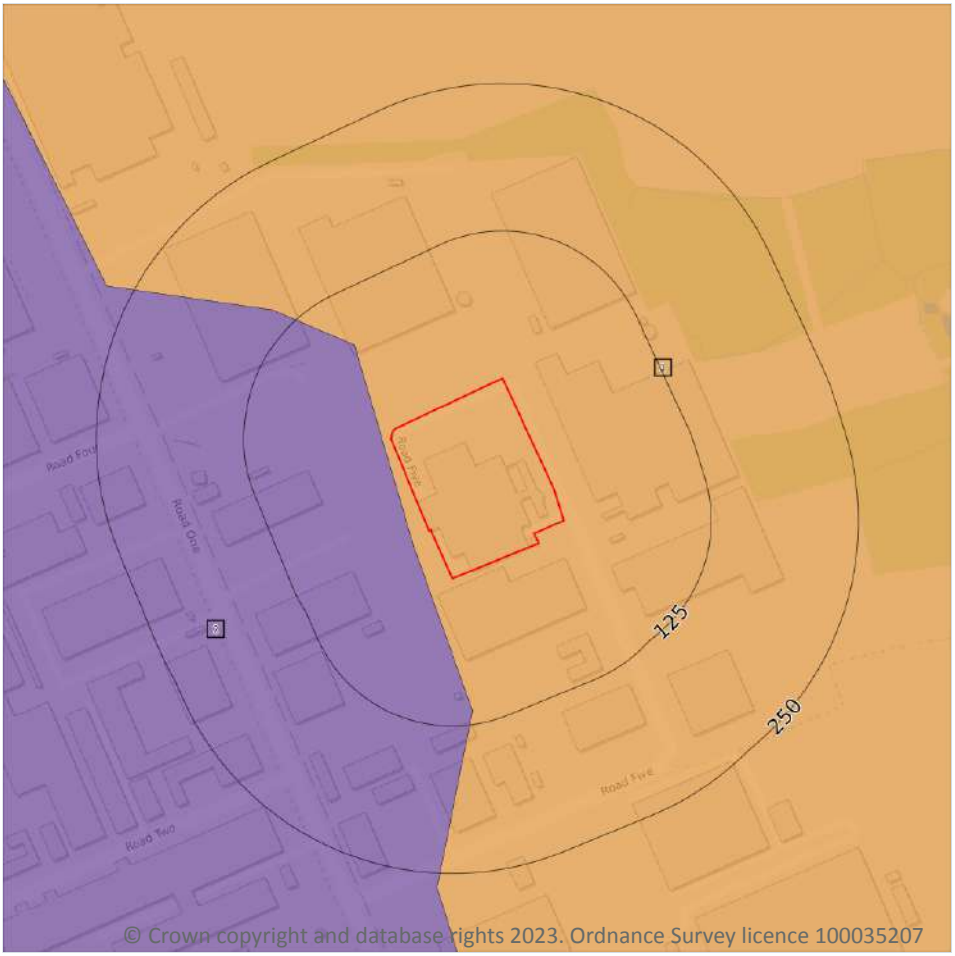
11.7 Registered Parks and Gardens

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	2

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 74 >**

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	7m W	Urban	-

This data is sourced from Natural England.

12.2 Open Access Land

Records within 250m	0

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.

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	0

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.

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	1

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 76 >**

ID	Location	Main Habitat	Other habitats
1	179m NE	Deciduous woodland	Main habitat: DWOOD (FEP + HLS)

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	0

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.

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 78 >**

ID	Location	Artificial	Superficial	Bedrock	Mass movement	Sheet No.
1	**On site**	**No coverage**	**Full**	**Full**	**No coverage**	**SJ66NE**

This data is sourced from the British Geological Survey.

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

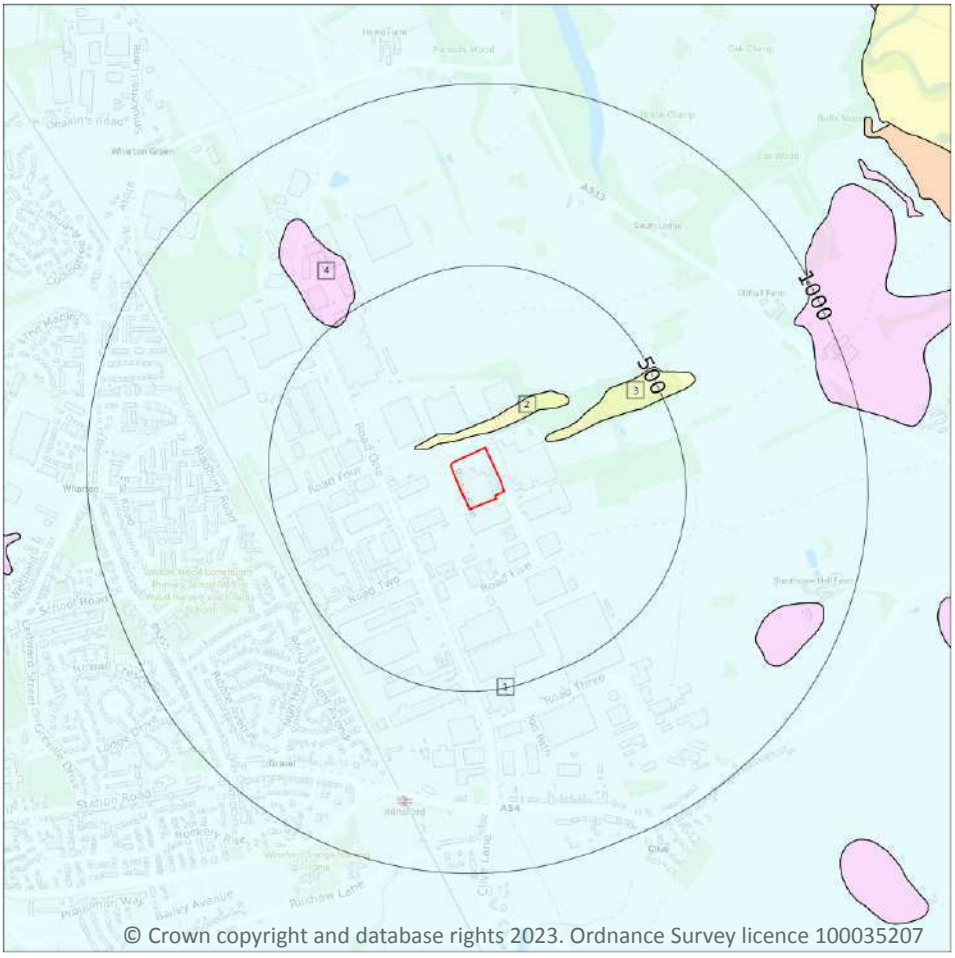
14.2 Artificial and made ground (10k)

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



Site Outline

Search buffers in metres (m)

Landslip (10k)

Superficial geology (10k)
Please see table for more details.

14.3 Superficial geology (10k)

Records within 500m **4**

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.

Features are displayed on the Geology 1:10,000 scale - Superficial map on **page 80 >**

ID	Location	LEX Code	Description	Rock description
1	**On site**	**TILLD-DMTN**	**Till, Devensian - Diamicton**	**Diamicton**
2	38m N	ALV-XCZSV	Alluvium - Clay, Silt, Sand And Gravel	Clay, Silt, Sand And Gravel
3	159m NE	ALV-XCZSV	Alluvium - Clay, Silt, Sand And Gravel	Clay, Silt, Sand And Gravel

ID	Location	LEX Code	Description	Rock description
4	488m NW	GFDUD-XSV	Glaciofluvial Deposits, Devensian - Sand And Gravel	Sand And Gravel

This data is sourced from the British Geological Survey.

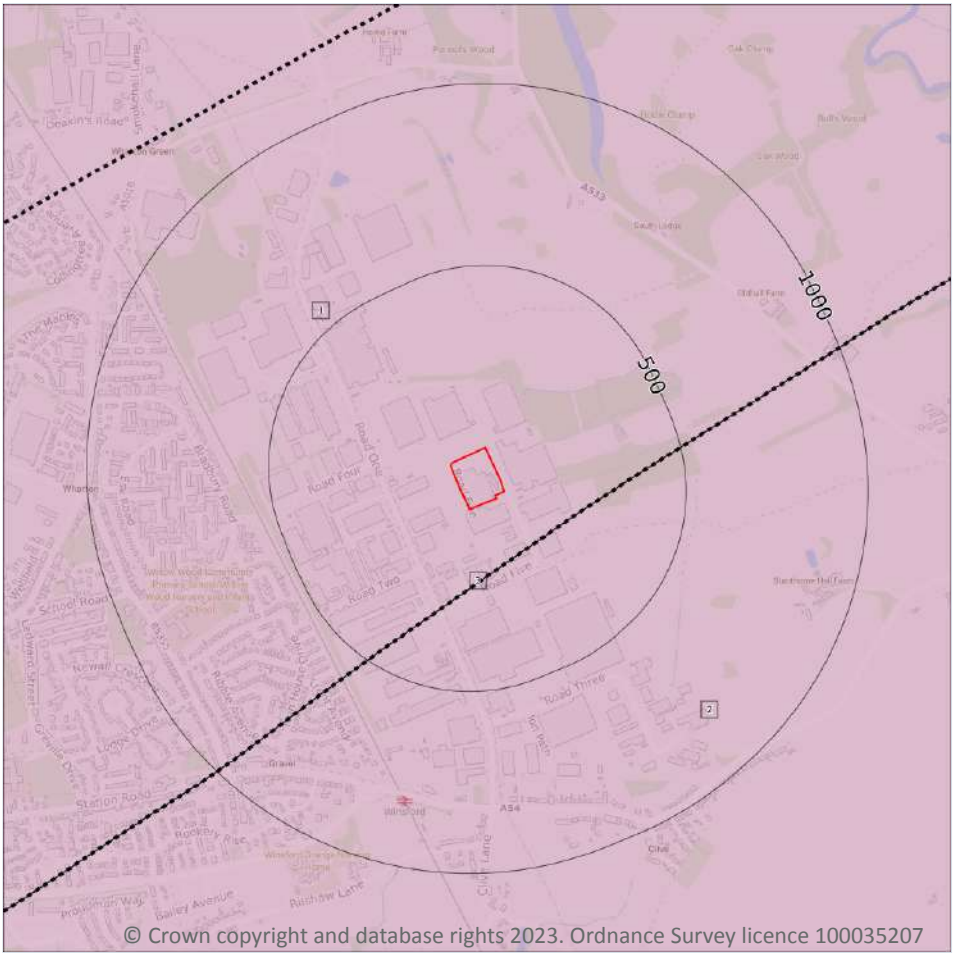
14.4 Landslip (10k)

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



Site Outline

Search buffers in metres (m)

Bedrock faults and other linear features (10k)

Bedrock geology (10k)
Please see table for more details.

14.5 Bedrock geology (10k)

Records within 500m **2**

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.

Features are displayed on the Geology 1:10,000 scale - Bedrock map on **page 82 >**

ID	Location	LEX Code	Description	Rock age
1	**On site**	**NWHF-HAMD**	**Northwich Halite Member - Halite-stone And Mudstone**	**Anisian Age**
2	161m SE	NWHF-HAMD	Northwich Halite Member - Halite-stone And Mudstone	Anisian Age

This data is sourced from the British Geological Survey.

14.6 Bedrock faults and other linear features (10k)

Records within 500m	1

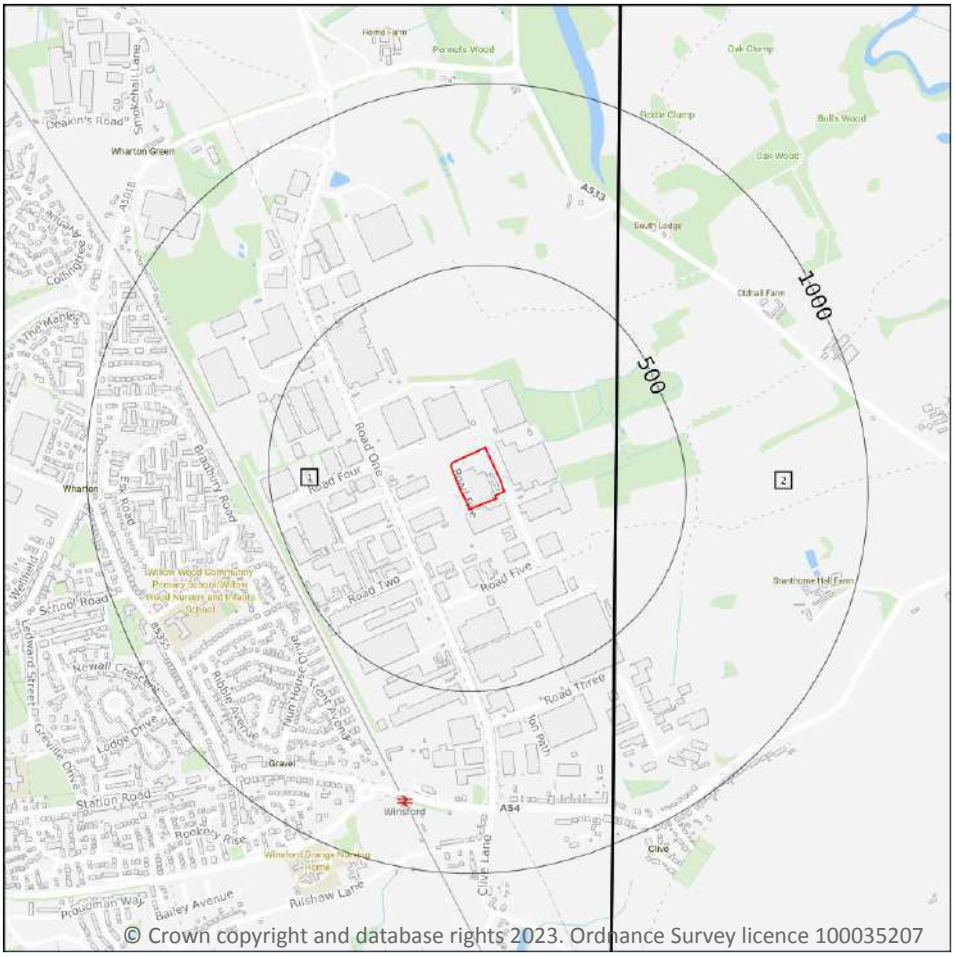
Linear features at the ground or bedrock surface at 1:10,000 scale of six main types; rock, fault, fold axis, mineral vein, alteration area or landform. Features are either observed or inferred, and relate primarily to bedrock.

Features are displayed on the Geology 1:10,000 scale - Bedrock map on **page 82 >**

ID	Location	Category	Description
3	161m SE	FAULT	Normal fault, inferred; crossmarks on downthrow side

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	2

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 84 >**

ID	Location	Artificial	Superficial	Bedrock	Mass movement	Sheet No.
1	**On site**	**No coverage**	**Full**	**Full**	**No coverage**	**EW109_chester_v4**
2	307m E	No coverage	Full	Full	Full	EW110_macclesfield_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 **6**

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 86 >**

ID	Location	LEX Code	Description	Rock description
1	**On site**	**TILLD-DMTN**	**TILL, DEVENSIAN**	**DIAMICTON**
2	35m N	ALV-XCZSV	ALLUVIUM	CLAY, SILT, SAND AND GRAVEL
3	146m NE	ALV-XCZSV	ALLUVIUM	CLAY, SILT, SAND AND GRAVEL

ID	Location	LEX Code	Description	Rock description
4	307m E	TILLD-DMTN	TILL, DEVENSIAN	DIAMICTON
5	360m NE	ALV-XCZSV	ALLUVIUM	CLAY, SILT, SAND AND GRAVEL
6	489m NW	GFDUD-XSV	GLACIOFLUVIAL DEPOSITS, DEVENSIAN	SAND AND GRAVEL

This data is sourced from the British Geological Survey.

15.5 Superficial permeability (50k)

Records within 50m	**2**

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**
35m N	Intergranular	High	Very 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.

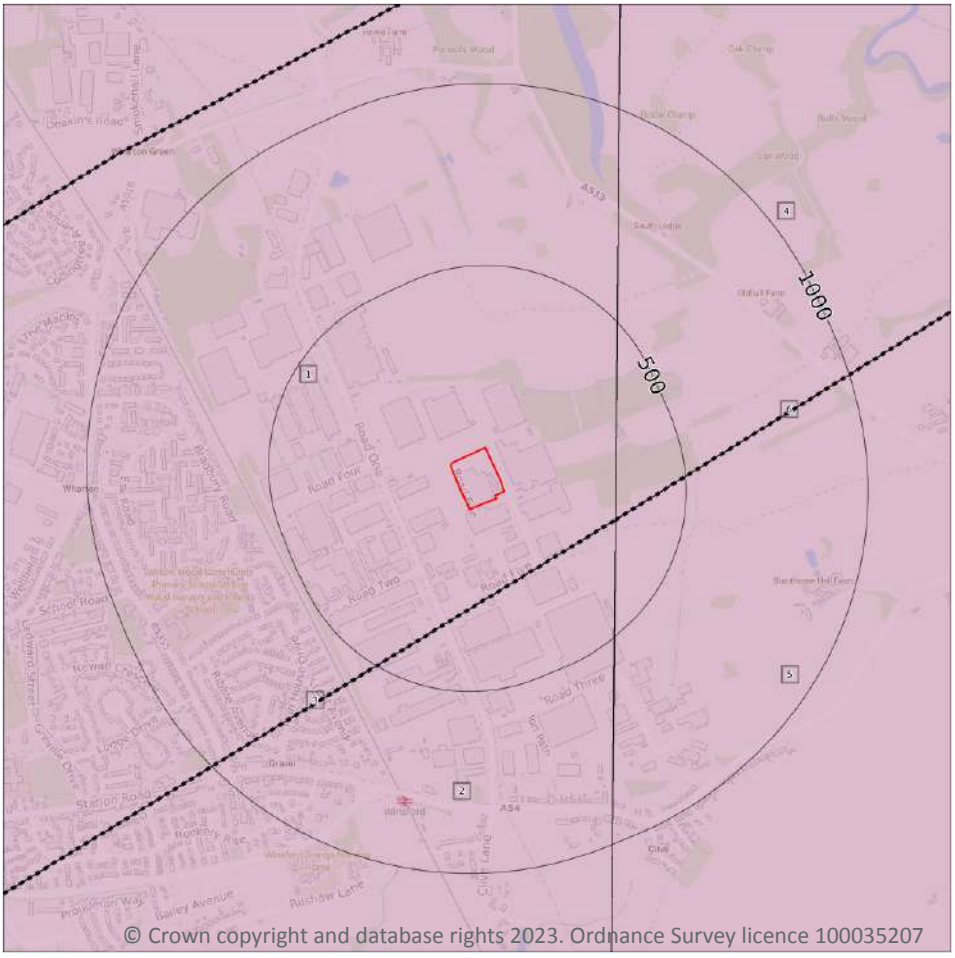
15.7 Landslip permeability (50k)

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	4

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 88 >**

ID	Location	LEX Code	Description	Rock age
1	**On site**	**NWHF-HAMD**	**NORTHWICH HALITE MEMBER - HALITE-STONE AND MUDSTONE**	**ANISIAN**
2	221m SE	NWHF-HAMD	NORTHWICH HALITE MEMBER - HALITE-STONE AND MUDSTONE	ANISIAN

ID	Location	LEX Code	Description	Rock age
4	307m E	NWHF-HAMD	NORTHWICH HALITE MEMBER - HALITE-STONE AND MUDSTONE	ANISIAN
5	316m E	NWHF-HAMD	NORTHWICH HALITE MEMBER - HALITE-STONE AND MUDSTONE	ANISIAN

This data is sourced from the British Geological Survey.

15.9 Bedrock 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 bedrock (the zone between the land surface and the water table).

Location	Flow type	Maximum permeability	Minimum permeability
On site	**Fracture**	**Very High**	**Low**

This data is sourced from the British Geological Survey.

15.10 Bedrock faults and other linear features (50k)

Records within 500m	**2**

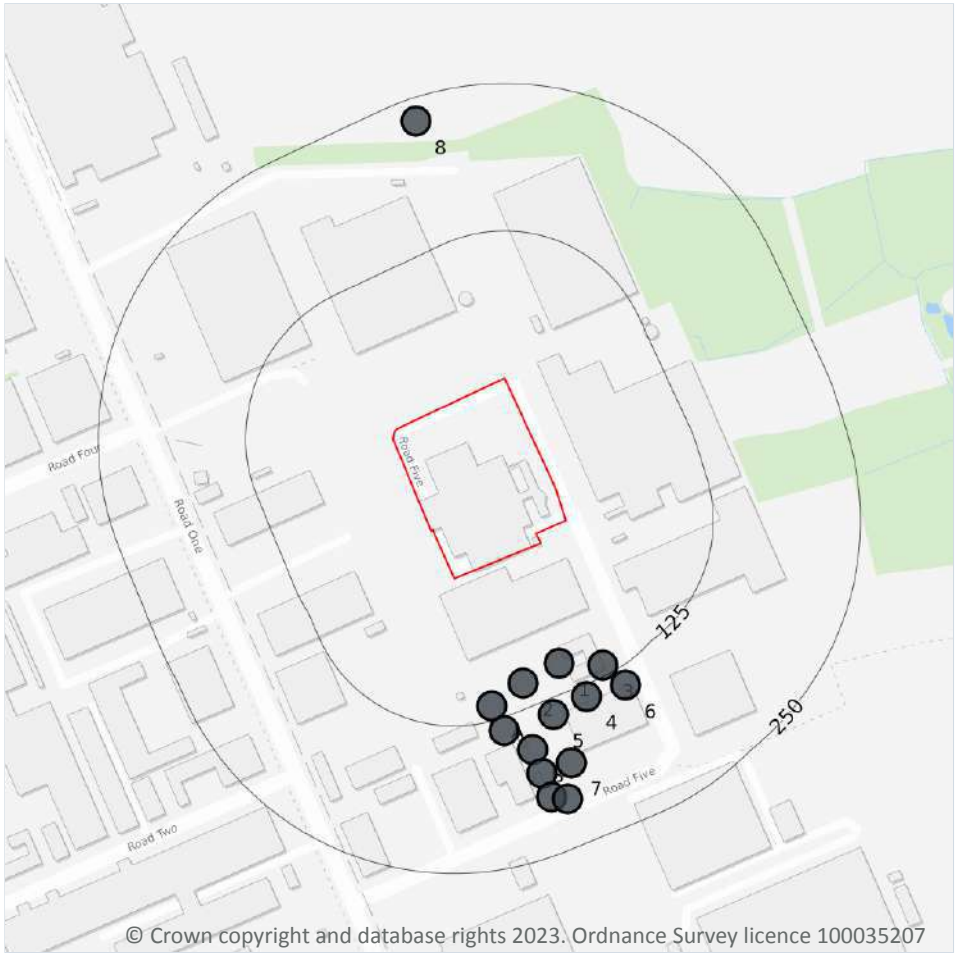
Linear features at the ground or bedrock surface at 1:50,000 scale of six main types; rock, fault, fold axis, mineral vein, alteration area or landform. Features are either observed or inferred, and relate primarily to bedrock.

Features are displayed on the Geology 1:50,000 scale - Bedrock map on **page 88 >**

ID	Location	Category	Description
3	221m SE	FAULT	Fault, inferred
6	316m E	FAULT	Fault, inferred

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	14

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.

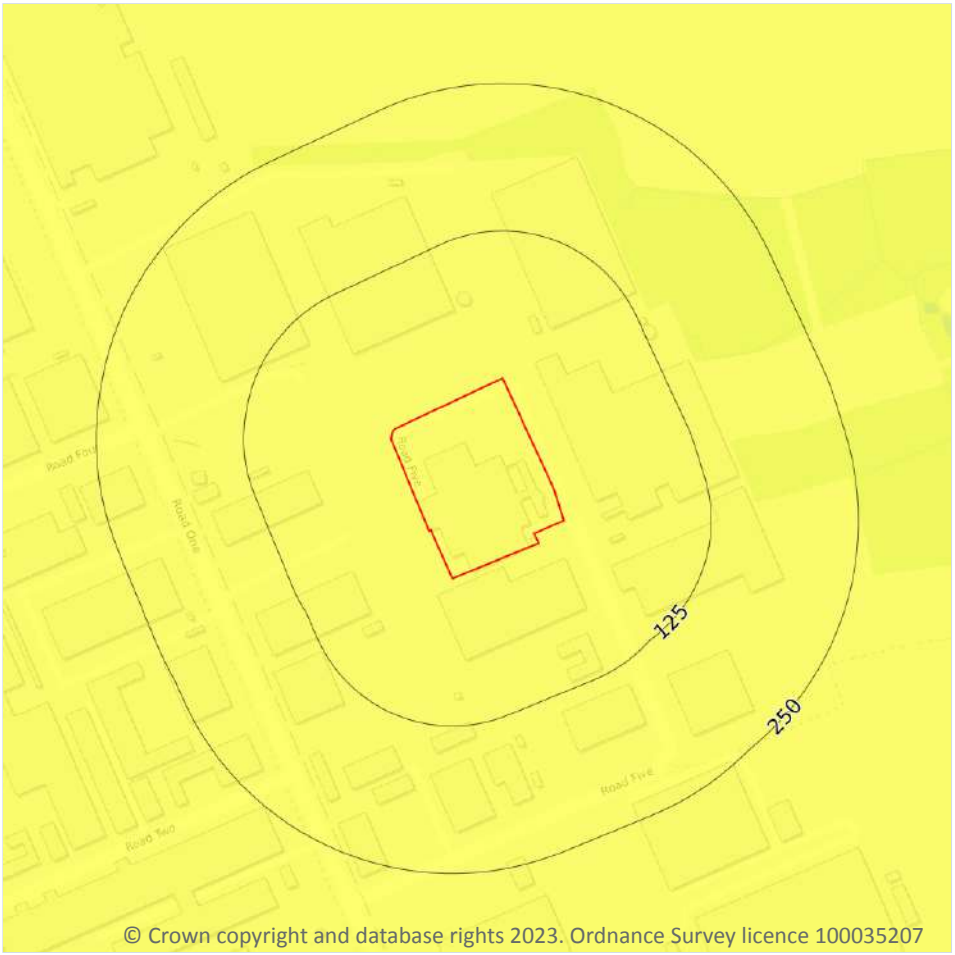
Features are displayed on the Boreholes map on **page 90 >**

ID	Location	Grid reference	Name	Length	Confidential	Web link
1	101m SE	367332 366780	WINSFORD INDUSTRIAL ESTATE TP 6	-	Y	N/A
2	104m S	367301 366763	WINSFORD INDUSTRIAL ESTATE TP 4	-	Y	N/A

ID	Location	Grid reference	Name	Length	Confidential	Web link
A	113m S	367275 366744	WINSFORD INDUSTRIAL ESTATE 2	-	Y	N/A
3	116m SE	367369 366779	WINSFORD INDUSTRIAL ESTATE 3	-	Y	N/A
4	135m SE	367355 366752	WINSFORD INDUSTRIAL ESTATE TP 7	-	Y	N/A
A	136m S	367285 366723	WINSFORD INDUSTRIAL ESTATE TP 3	-	Y	N/A
5	138m S	367327 366737	WINSFORD INDUSTRIAL ESTATE TP 5	-	Y	N/A
6	140m SE	367388 366762	WINSFORD INDUSTRIAL ESTATE TP 8	-	Y	N/A
B	159m S	367309 366707	WINSFORD INDUSTRIAL ESTATE TP 2	-	Y	N/A
B	181m S	367317 366687	WINSFORD INDUSTRIAL ESTATE TP 10	-	Y	N/A
7	182m S	367342 366696	WINSFORD INDUSTRIAL ESTATE TP 1	-	Y	N/A
B	202m S	367325 366667	WINSFORD INDUSTRIAL ESTATE TP 9	-	Y	N/A
B	210m S	367339 366665	WINSFORD INDUSTRIAL ESTATE 1	-	Y	N/A
8	231m N	367210 367240	I.C.M. RM.52	-	Y	N/A

This data is sourced from the British Geological Survey.

17 Natural ground subsidence - Shrink swell clays



Site Outline

Search buffers in metres (m)

- No data
- Negligible
- Very low
- Low
- Moderate
- High

17.1 Shrink swell clays

Records within 50m	1

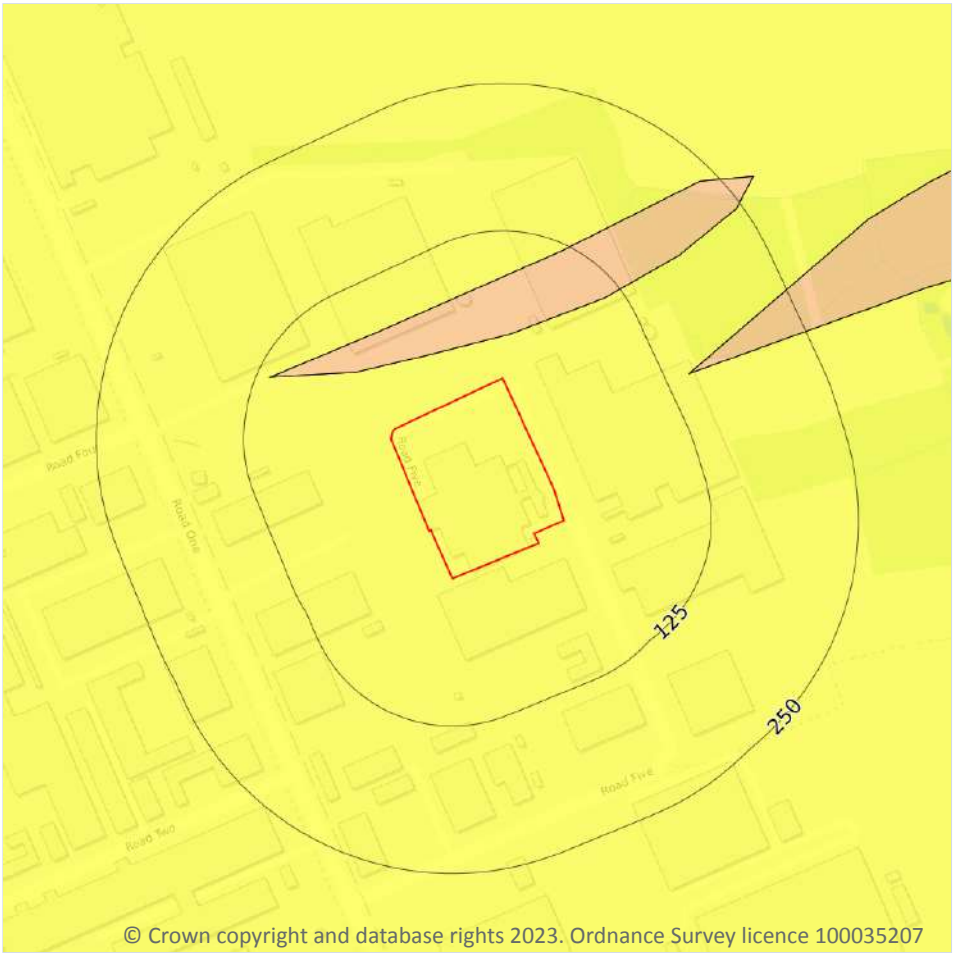
The potential hazard presented by soils that absorb water when wet (making them swell), and lose water as they dry (making them shrink). This shrink-swell behaviour is controlled by the type and amount of clay in the soil, and by seasonal changes in the soil moisture content (related to rainfall and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

Features are displayed on the Natural ground subsidence - Shrink swell clays map on **page 92 >**

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	2

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.

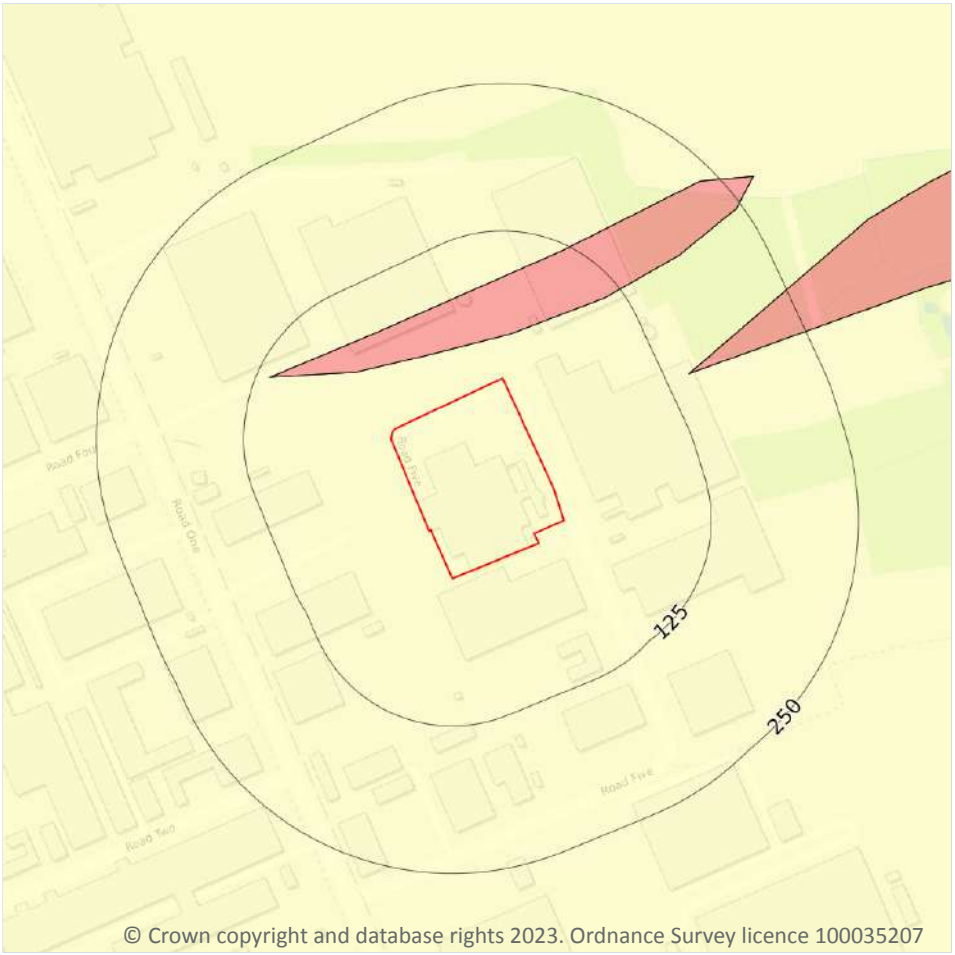
Features are displayed on the Natural ground subsidence - Running sands map on **page 93 >**

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.**

Location	Hazard rating	Details
35m N	Low	Running sand conditions may be present. Constraints may apply to land uses involving excavation or the addition or removal of water.

This data is sourced from the British Geological Survey.

Natural ground subsidence - Compressible deposits



Site Outline

Search buffers in metres (m)

- No data
- Negligible
- Very low
- Low
- Moderate
- High

17.3 Compressible deposits

Records within 50m	2

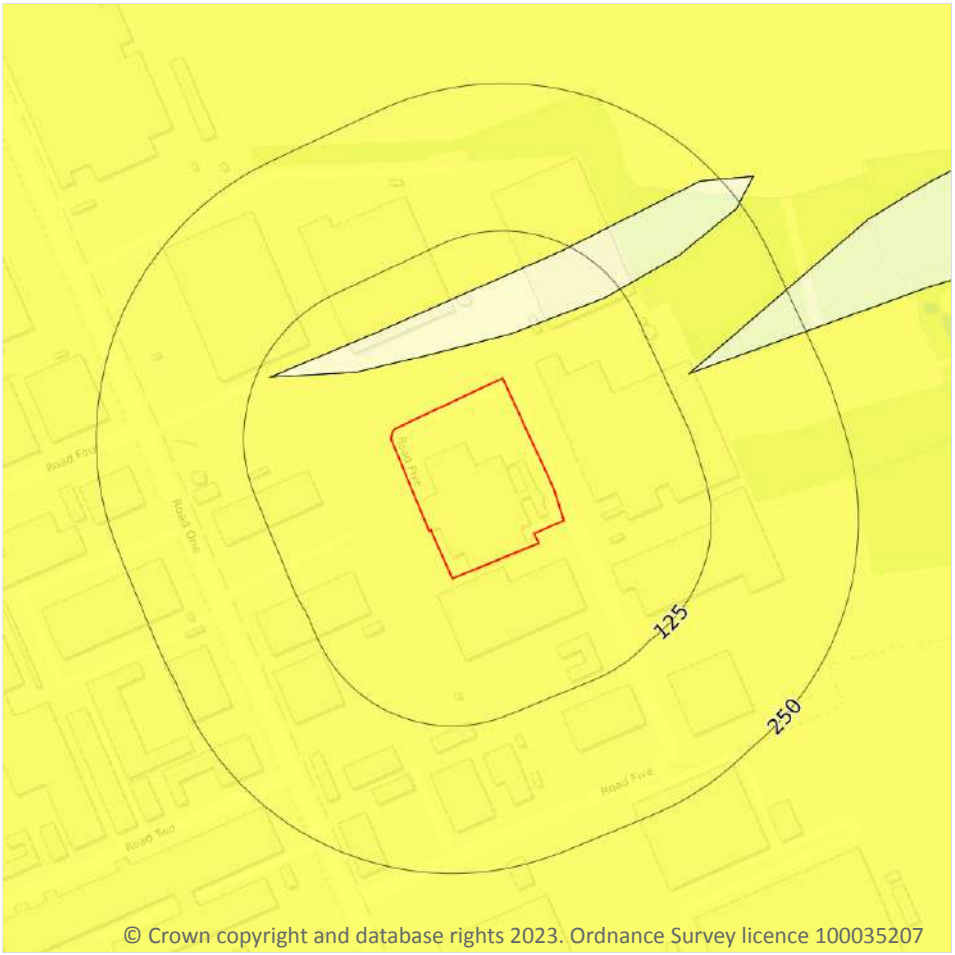
The potential hazard presented by types of ground that may contain layers of very soft materials like clay or peat and may compress if loaded by overlying structures, or if the groundwater level changes, potentially resulting in depression of the ground and disturbance of foundations.

Features are displayed on the Natural ground subsidence - Compressible deposits map on **page 95 >**

Location	Hazard rating	Details
On site	**Negligible**	**Compressible strata are not thought to occur.**
35m N	Moderate	Compressibility and uneven settlement hazards are probably present. Land use should consider specifically the compressibility and variability of the site.

This data is sourced from the British Geological Survey.

Natural ground subsidence - Collapsible deposits



Site Outline

Search buffers in metres (m)

- No data
- Negligible
- Very low
- Low
- Moderate
- High

17.4 Collapsible deposits

Records within 50m	2

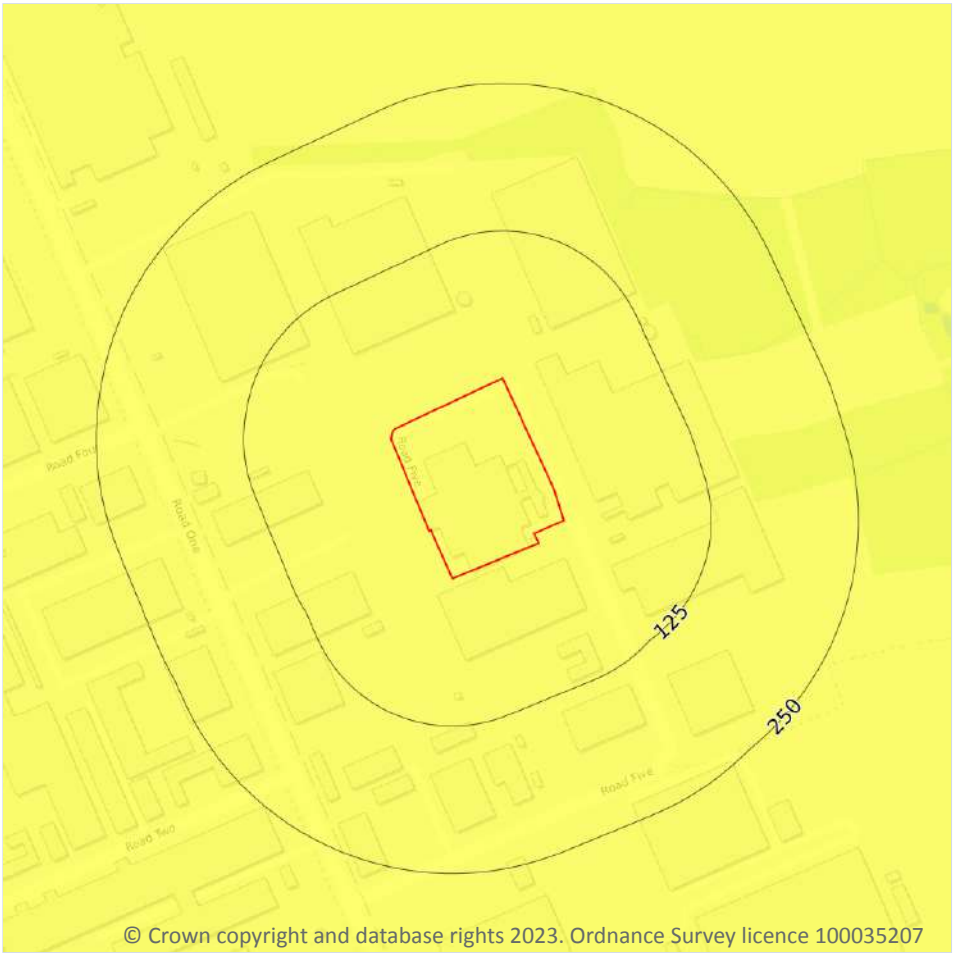
The potential hazard presented by natural deposits that could collapse when a load (such as a building) is placed on them or they become saturated with water.

Features are displayed on the Natural ground subsidence - Collapsible deposits map on **page 97 >**

Location	Hazard rating	Details
On site	**Very low**	**Deposits with potential to collapse when loaded and saturated are unlikely to be present.**
35m N	Negligible	Deposits with potential to collapse when loaded and saturated are believed not 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	1

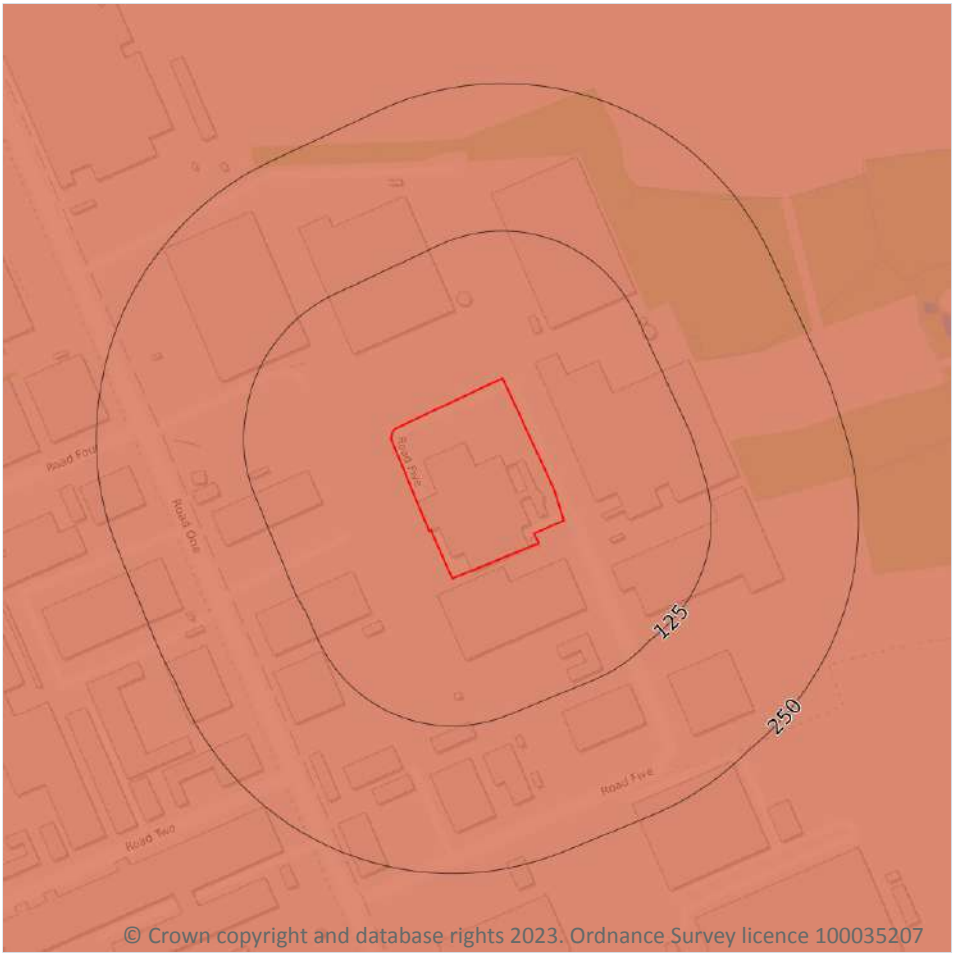
The potential for landsliding (slope instability) to be a hazard assessed using 1:50,000 scale digital maps of superficial and bedrock deposits, combined with information from the BGS National Landslide Database and scientific and engineering reports.

Features are displayed on the Natural ground subsidence - Landslides map on **page 98 >**

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.**

This data is sourced from the British Geological Survey.

Natural ground subsidence - Ground dissolution of soluble rocks



Site Outline

Search buffers in metres (m)

- No data
- Negligible
- Very low
- Low
- Moderate
- High

17.6 Ground dissolution of soluble rocks

Records within 50m	1

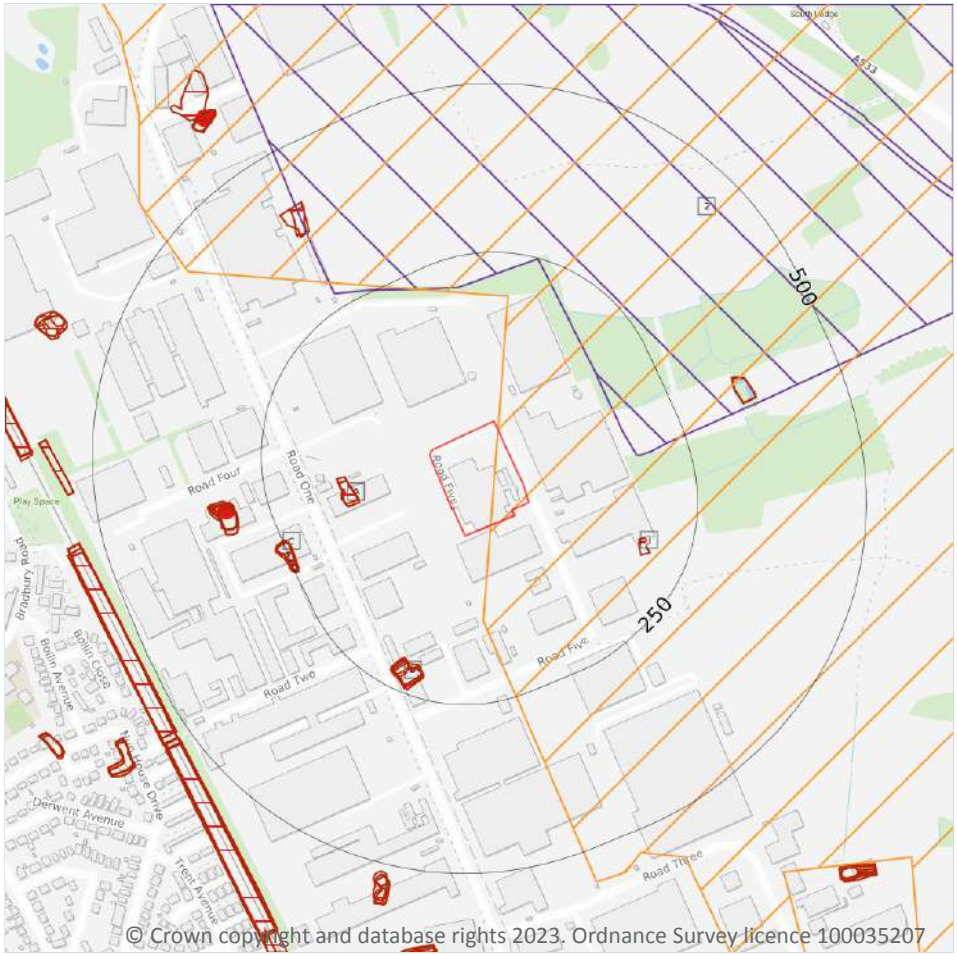
The potential hazard presented by ground dissolution, which occurs when water passing through soluble rocks produces underground cavities and cave systems. These cavities reduce support to the ground above and can cause localised collapse of the overlying rocks and deposits.

Features are displayed on the Natural ground subsidence - Ground dissolution of soluble rocks map on **page 99 >**

Location	Hazard rating	Details
On site	**High**	**Soluble rocks are present within the ground. Numerous dissolution features may be present. Potential for difficult ground conditions should be investigated. Potential for localised subsidence is at a level where it should be considered.**

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	1

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 101 >**

ID	Location	Details	Description
D	311m W	Name: Wharton Lodge Pit Address: WINSFORD, Cheshire 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	**11**

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 101 >**

ID	Location	Land Use	Year of mapping	Mapping scale
A	122m W	Pond	1938	1:10560
A	122m W	Pond	1897	1:10560
A	124m W	Pond	1911	1:10560
3	172m E	Ponds	1911	1:10560
B	202m SW	Ponds	1938	1:10560
B	202m SW	Ponds	1949	1:10560
B	205m S	Ponds	1911	1:10560
B	207m S	Ponds	1897	1:10560
C	240m W	Ponds	1949	1:10560
C	241m W	Ponds	1911	1:10560
C	242m W	Ponds	1938	1:10560

This is data is sourced from Ordnance Survey/Groundsure.

18.3 Underground workings

Records within 1000m	0

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

This is 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	1

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.

Features are displayed on the Mining and ground workings map on **page 101 >**

ID	Location	Site Name	Mineral	Type	Planning Status	Planning Status Date
2	166m NE	Meadow Bank	Salt (rock salt)	Working is wholly underground	Valid	18/4/67

This data is sourced from the British Geological Survey.

18.6 Non-coal mining

Records within 1000m	1

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 101 >**

ID	Location	Name	Commodity	Class	Likelihood
1	**On site**	**Winsford or Meadowbank**	**Salt - Rock salt**	**C**	**Underground mine workings may have occurred in the past, or current mines may be operating to modern engineering standards. Potential for difficult ground conditions should be considered.**

This data is sourced from the British Geological Survey.

18.7 JPB mining areas

Records on site	**0**

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

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	**1**

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.

Location	Mineral type
162m N	Evaporite

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	0

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

This data is sourced from the Coal Authority.

18.13 Brine areas

Records on site	1

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.

Location	Details
On site	**The site is located within the Cheshire Brine Compensation District. The extraction of brine over many years has caused some properties within the Cheshire area to be at risk of subsidence. This subsidence can occur a considerable distance from the location of the extraction and further assessment is recommended. A Cheshire Salt search can be obtained direct from Groundsure or your preferrred search provider.**

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

18.14 Gypsum areas

Records on site	0

Generalised areas that may be affected by gypsum extraction.

This data is sourced from British Gypsum.

18.15 Tin mining

Records on site	0

Generalised areas that may be affected by historical tin mining.

This data is sourced from Groundsure.

18.16 Clay mining

Records on site	0

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

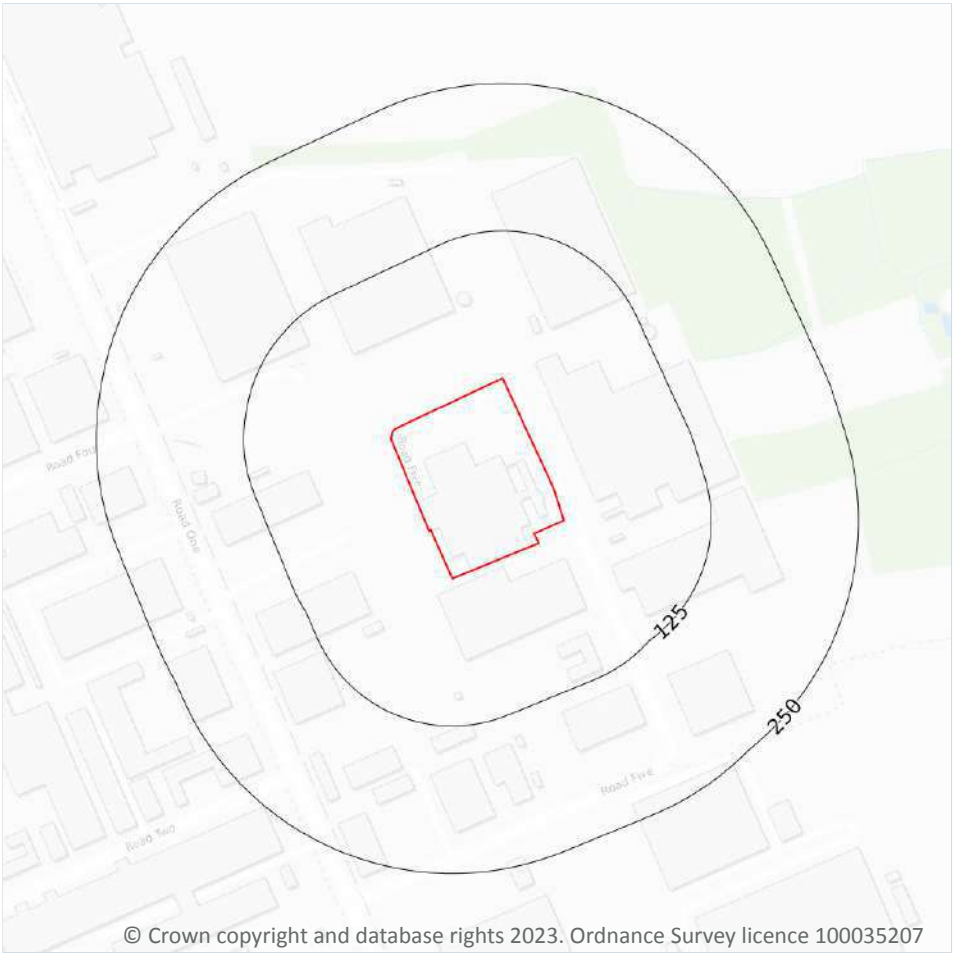
This is a comprehensive database of national karst information gathered from a wide range of sources. BGS have collected data on five main types of karst feature: Sinkholes, stream links, caves, springs, and incidences of associated damage to buildings, roads, bridges and other engineered works.

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



Site Outline

Search buffers in metres (m)

- Greater than 30%
- Between 10% and 30%
- Between 5% and 10%
- Between 3% and 5%
- Between 1% and 3%
- Less than 1%

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 109 >**

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	3

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 km^2. 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 km^2; 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**	**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**
35m N	15 mg/kg	No data	100 mg/kg	60 mg/kg	1.8 mg/kg	60 - 90 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 km^2).

This data is sourced from the British Geological Survey.

21.3 BGS Measured Urban Soil Chemistry

Records within 50m	0

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 km^2.

This data is sourced from the British Geological Survey.

22 Railway infrastructure and projects

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	0

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.

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	0

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

This data is sourced from OpenStreetMap.

22.7 Railways

Records within 250m	0

Currently existing railway lines, including standard railways, narrow gauge, funicular, trams and light railways.

This data is sourced from Ordnance Survey and OpenStreetMap.

22.8 Crossrail 1

Records within 500m	0

The Crossrail railway project links 41 stations over 100 kilometres from Reading and Heathrow in the west, through underground sections in central London, to Shenfield and Abbey Wood in the east.

This data is sourced from publicly available information by Groundsure.

22.9 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.

22.10 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.

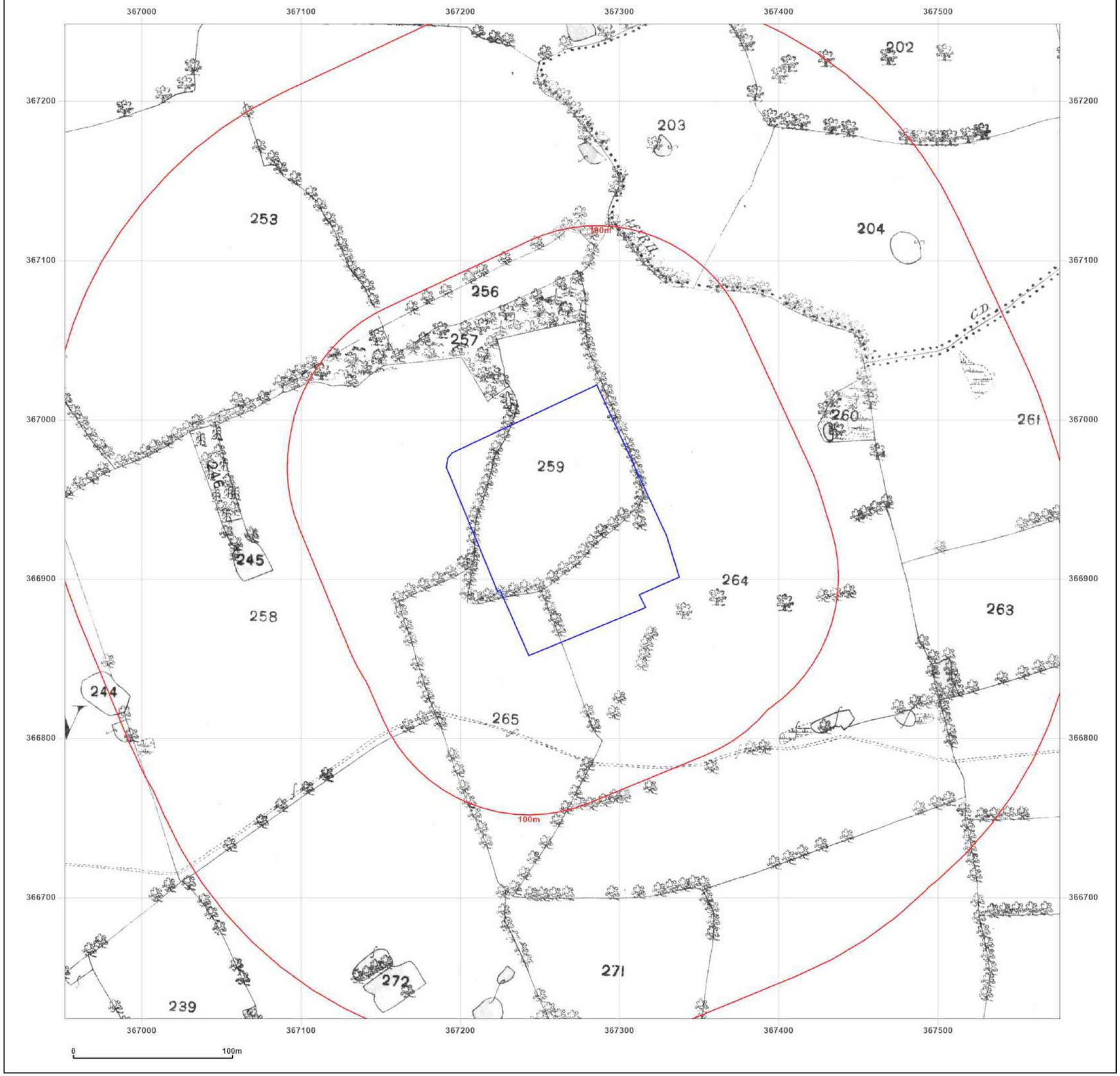
This data is sourced from HS2 ltd.

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 ↗.

Terms and conditions

Groundsure's Terms and Conditions can be accessed at this link: https://www.groundsure.com/terms-and-conditions-april-2023/ ↗.



Groundsure INSIGHTS

Site Details:

367272, 366917

Client Ref: WIC001
Report Ref: GS-FTB-YMM-TUY-34G
Grid Ref: 367264, 366936

Map Name: County Series

Map date: **1874**

Scale: 1:2,500

Printed at: 1:2,500

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Edition N/A
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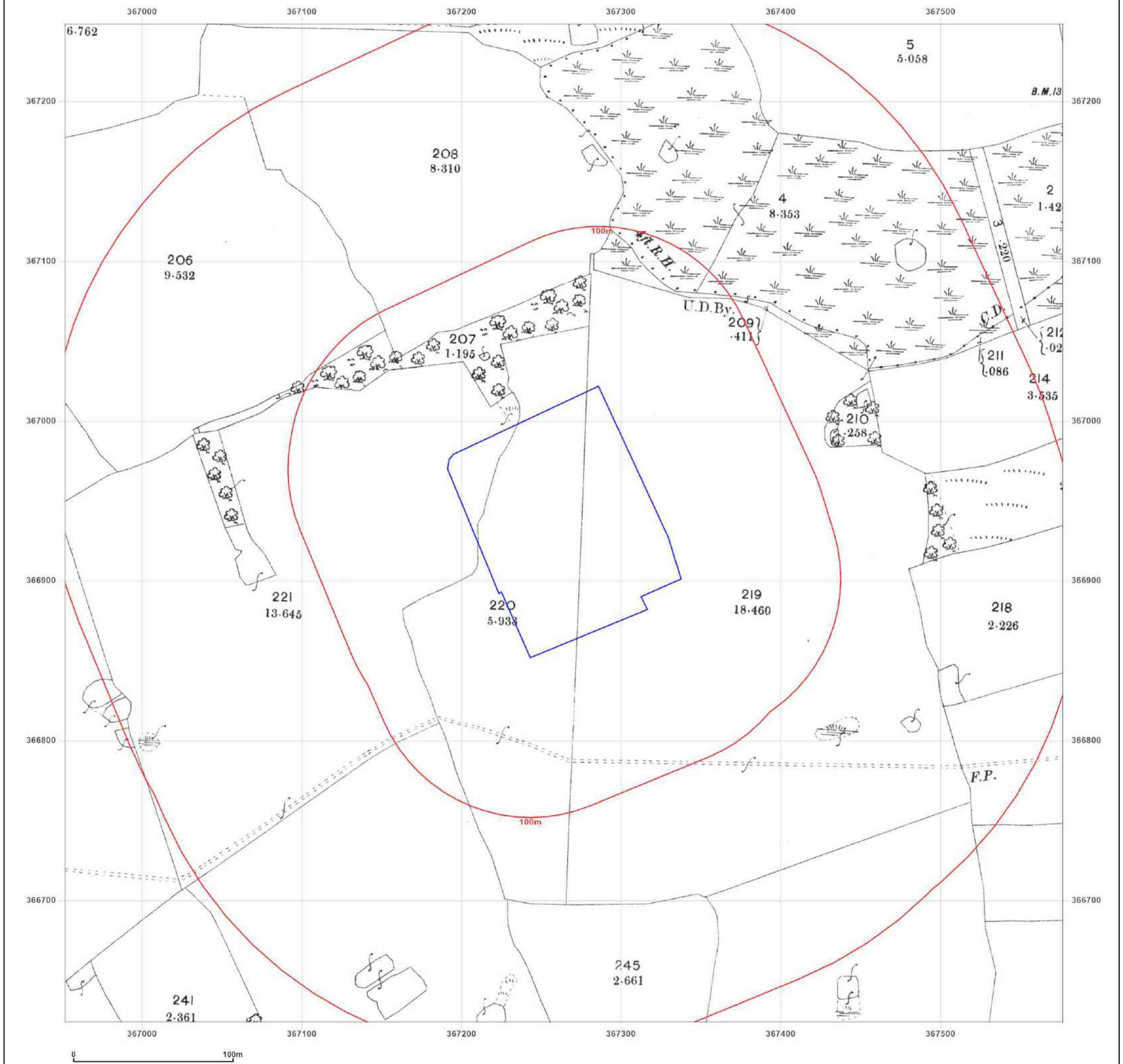
Production date: 14 July 2023

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



Groundsure INSIGHTS

Site Details:

367272, 366917

Client Ref: WIC001
Report Ref: GS-FTB-YMM-TUY-34G
Grid Ref: 367264, 366936

Map Name: County Series

Map date: **1898**

Scale: 1:2,500

Printed at: 1:2,500

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Surveyed 1877
Revised 1897
Edition 1898
Copyright N/A
Levelled N/A

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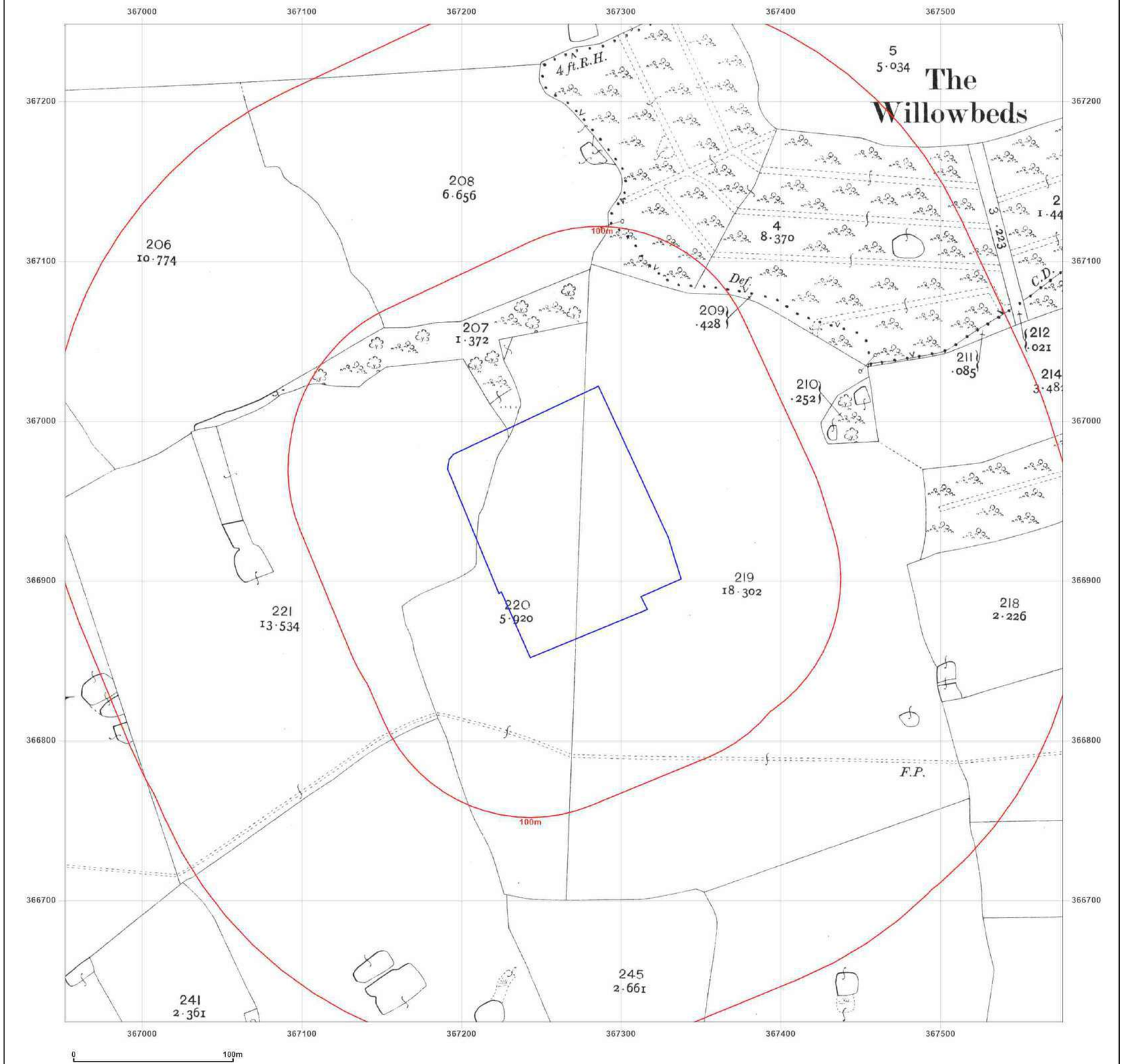

Groundsure INSIGHTS

Site Details:

367272, 366917

Client Ref: WIC001
Report Ref: GS-FTB-YMM-TUY-34G
Grid Ref: 367264, 366936

Map Name: County Series

Map date: **1909**

Scale: 1:2,500

Printed at: 1:2,500

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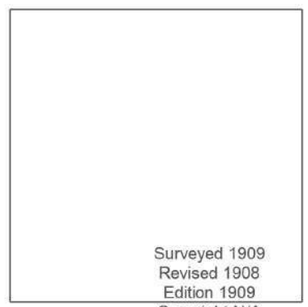

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Groundsure INSIGHTS

Site Details:

367272, 366917

Client Ref: WIC001
Report Ref: GS-FTB-YMM-TUY-34G
Grid Ref: 367264, 366936

Map Name: National Grid

Map date: **1970**

Scale: 1:2,500

Printed at: 1:2,500

N
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Surveyed 1970
Revised 1970
Edition N/A
Copyright 1970
Levelled 1960

Surveyed 1963
Revised 1969
Edition N/A
Copyright 1970
Levelled 1960

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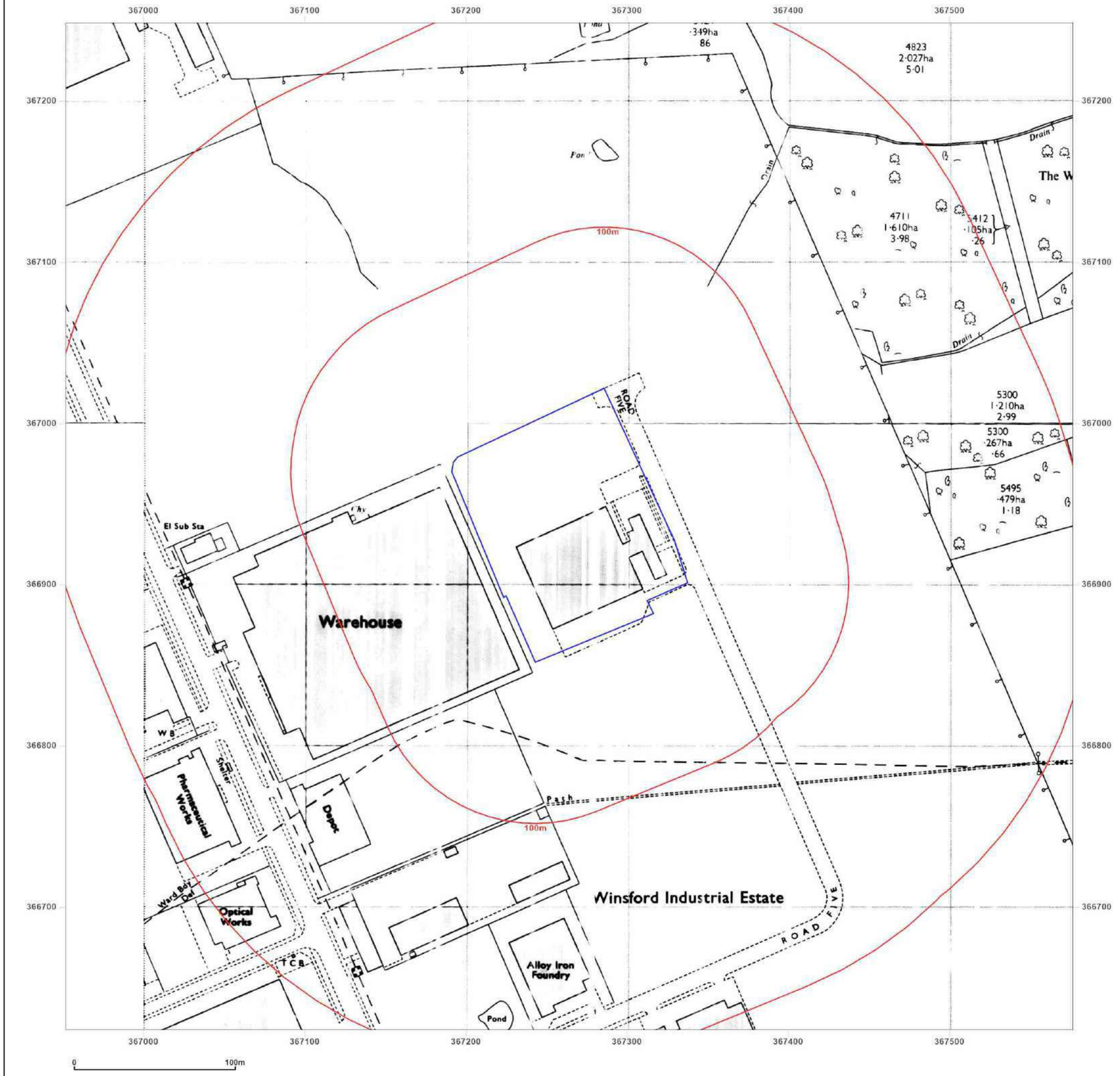

Groundsure INSIGHTS

Site Details:

367272, 366917

Client Ref: WIC001
Report Ref: GS-FTB-YMM-TUY-34G
Grid Ref: 367264, 366936

Map Name: National Grid

Map date: **1970**

Scale: 1:2,500

Printed at: 1:2,500

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

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

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

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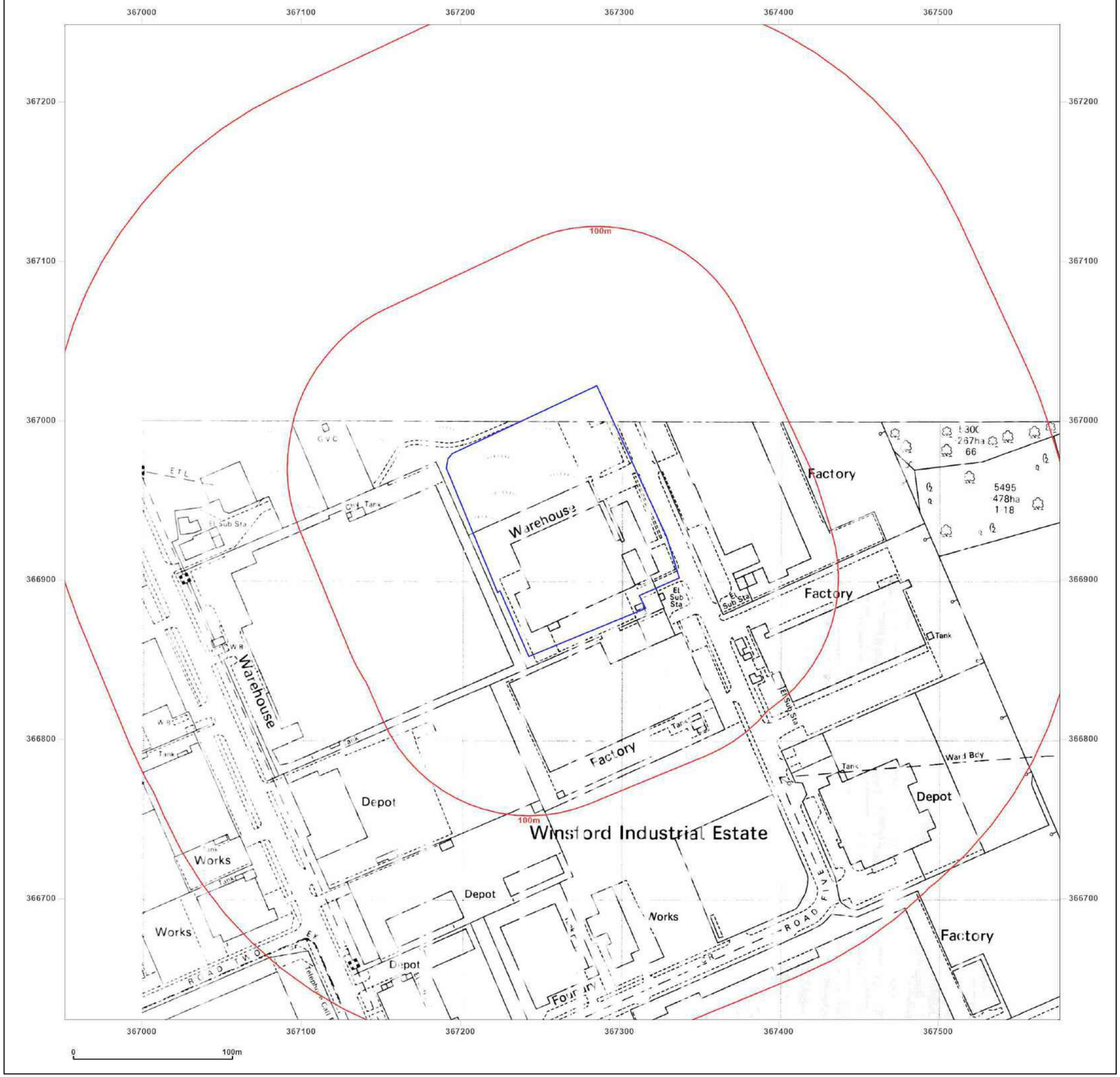

Groundsure INSIGHTS

Site Details:

367272, 366917

Client Ref: WIC001
Report Ref: GS-FTB-YMM-TUY-34G
Grid Ref: 367264, 366936

Map Name: National Grid

Map date: **1983**

Scale: 1:2,500

Printed at: 1:2,500

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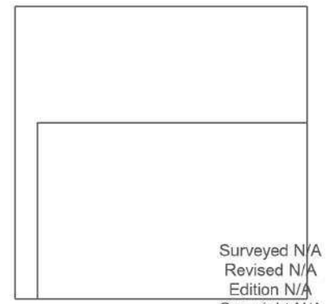

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Production date: 14 July 2023

Map legend available at:
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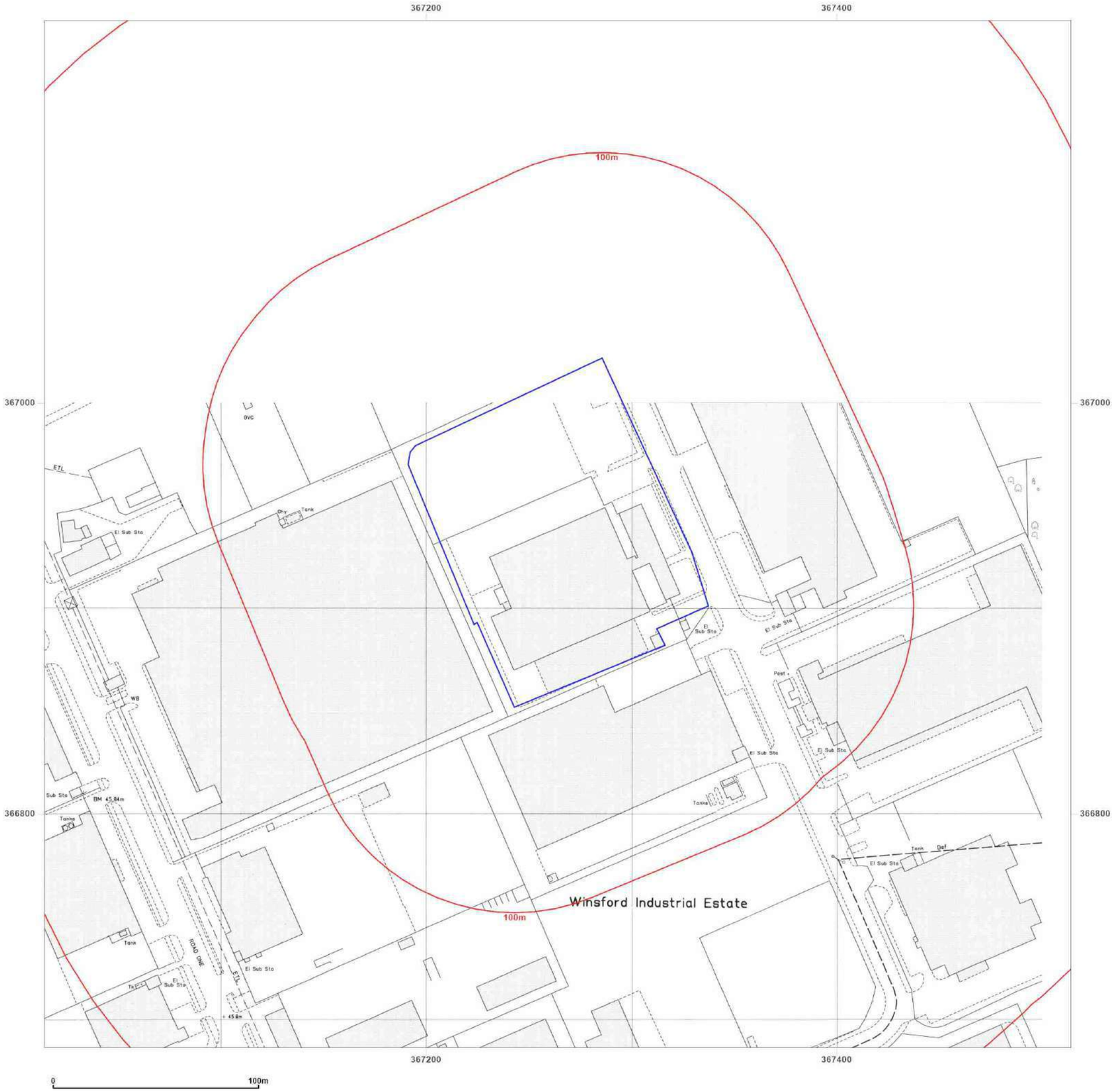

Site Details:

367272, 366917

Client Ref: WIC001
Report Ref: GS-FTB-YMM-TUY-34G
Grid Ref: 367264, 366936

Map Name: National Grid

Map date: **1988**

Scale: 1:1,250

Printed at: 1:2,000

N
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Surveyed 1986
Revised 1986
Edition N/A
Copyright 1988
Levelled 1986

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Production date: 14 July 2023

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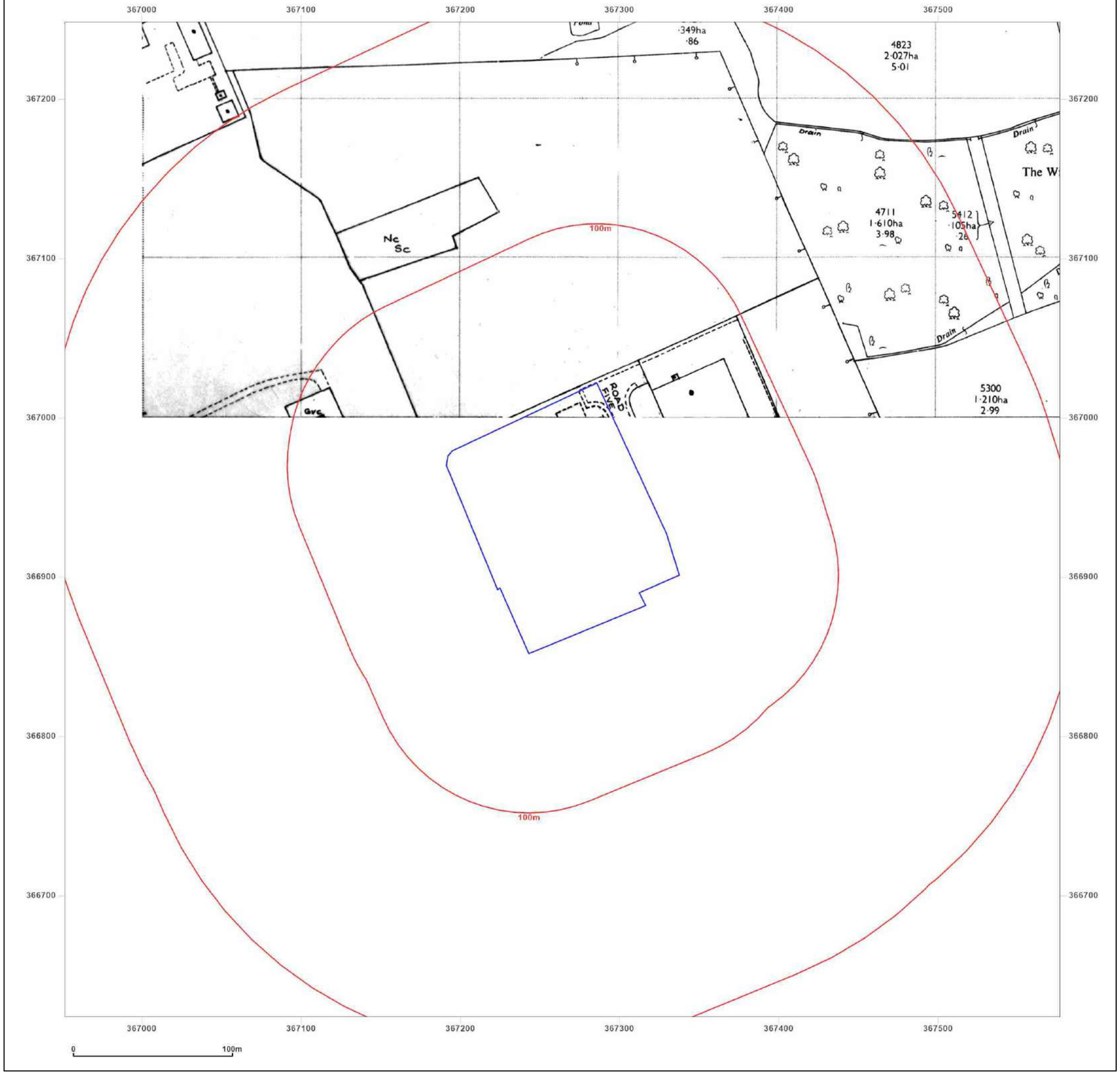

Groundsure INSIGHTS

Site Details:

367272, 366917

Client Ref: WIC001
Report Ref: GS-FTB-YMM-TUY-34G
Grid Ref: 367264, 366936

Map Name: National Grid

Map date: **1989**

Scale: 1:2,500

Printed at: 1:2,500

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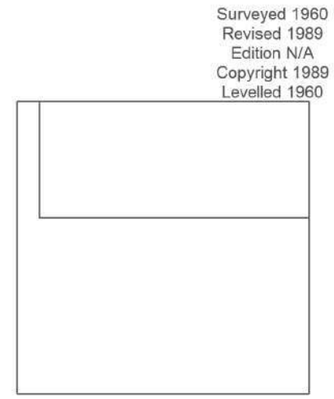

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Production date: 14 July 2023

Map legend available at:
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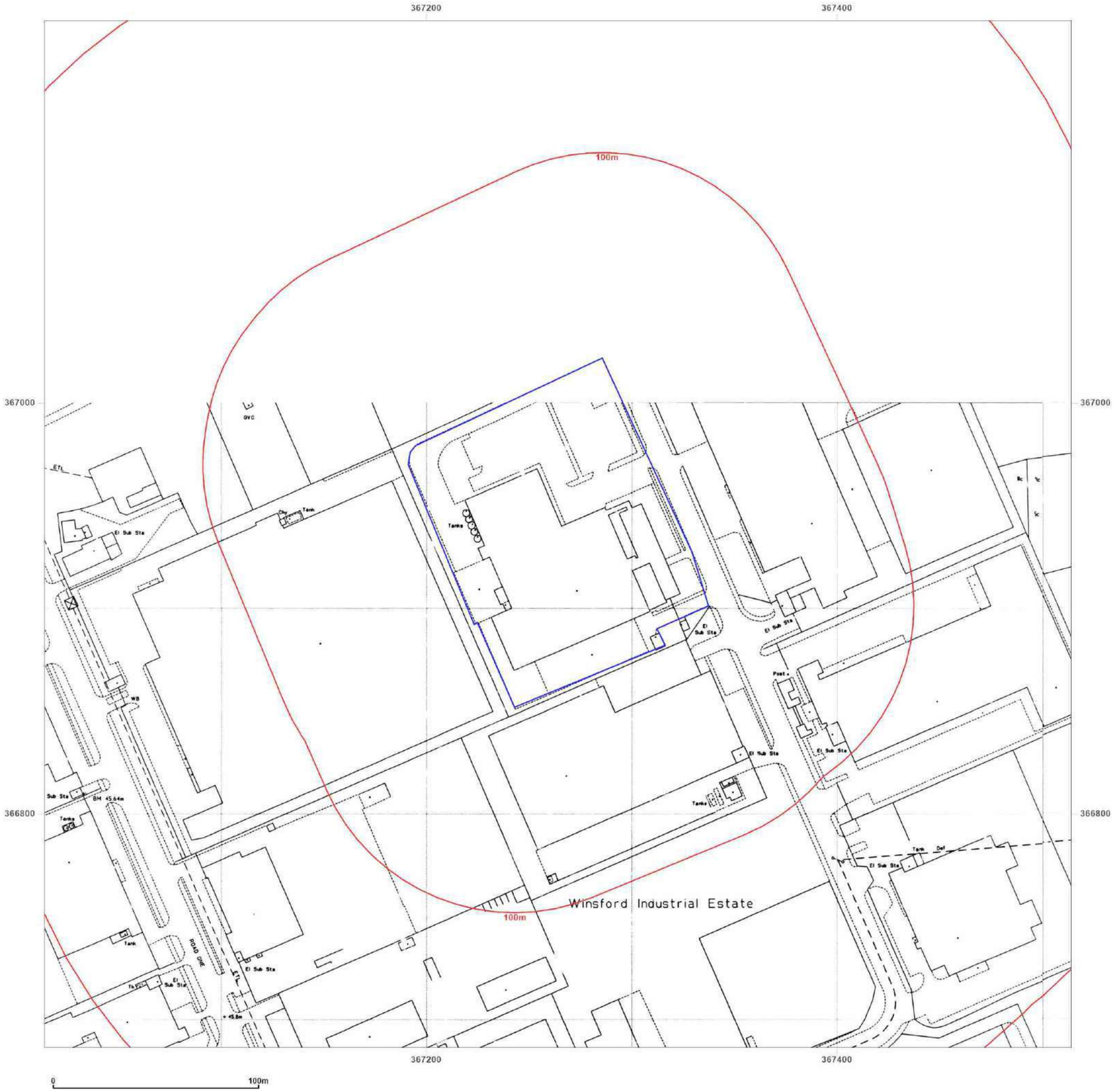

Groundsure INSIGHTS

Site Details:

367272, 366917

Client Ref: WIC001
Report Ref: GS-FTB-YMM-TUY-34G
Grid Ref: 367264, 366936

Map Name: National Grid

Map date: **1993**

Scale: 1:1,250

Printed at: 1:2,000

N
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Surveyed 1993
Revised 1993
Edition N/A
Copyright 1993
Levelled N/A

Surveyed 1993
Revised 1993
Edition N/A
Copyright 1993
Levelled N/A

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Groundsure INSIGHTS

Site Details:

367272, 366917

Client Ref: WIC001
Report Ref: GS-FTB-YMM-TUY-34G
Grid Ref: 367264, 366936

Map Name: National Grid

Map date: **1993**

Scale: 1:2,500

Printed at: 1:2,500

N
W E
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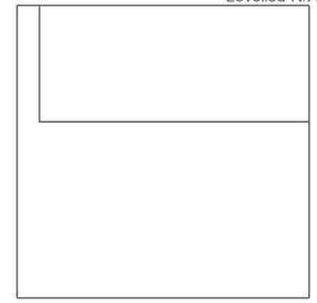
Surveyed 1993
Revised 1993
Edition N/A
Copyright 1993
Levelled N/A



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Groundsure INSIGHTS

Site Details:

367272, 366917

Client Ref: WIC001
Report Ref: GS-FTB-YMM-TUY-34G
Grid Ref: 367264, 366936

Map Name: LandLine
Map date: **2003**
Scale: 1:1,250
Printed at: 1:1,250

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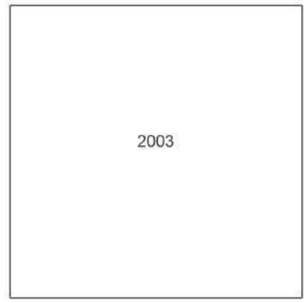

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Production date: 14 July 2023

Map legend available at:
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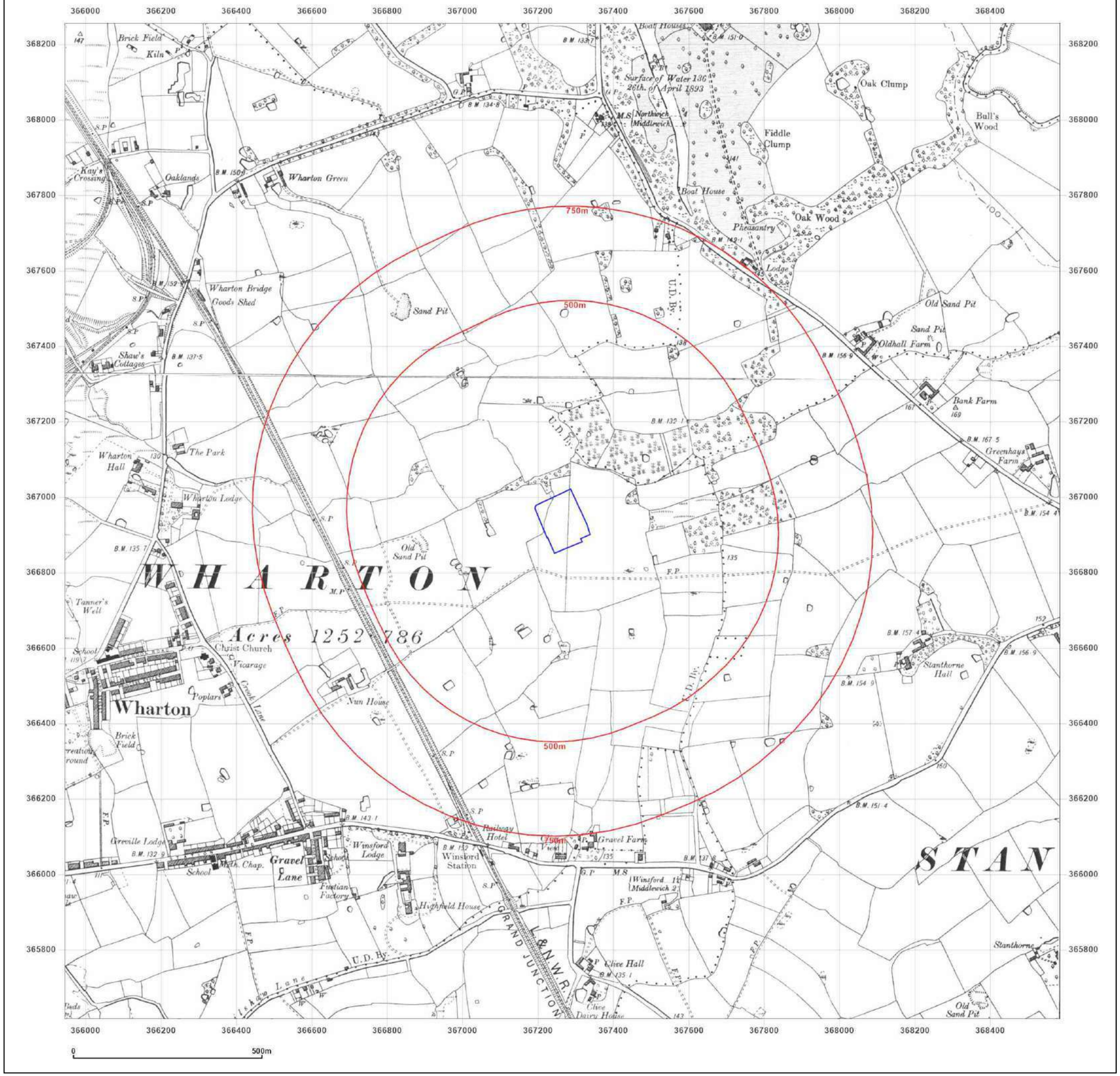

Groundsure INSIGHTS

Site Details:

367272, 366917

Client Ref: WIC001
Report Ref: GS-FTB-YMM-TUY-34G
Grid Ref: 367264, 366936

Map Name: County Series

Map date: **1897**

Scale: 1:10,560

Printed at: 1:10,560

N
W E
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Surveyed 1875
Revised 1897
Edition 1897
Copyright N/A
Levelled N/A

Surveyed 1875
Revised 1897
Edition 1897
Copyright N/A
Levelled N/A

Surveyed 1873
Revised 1897
Edition 1897
Copyright N/A
Levelled N/A

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Production date: 14 July 2023

Map legend available at:
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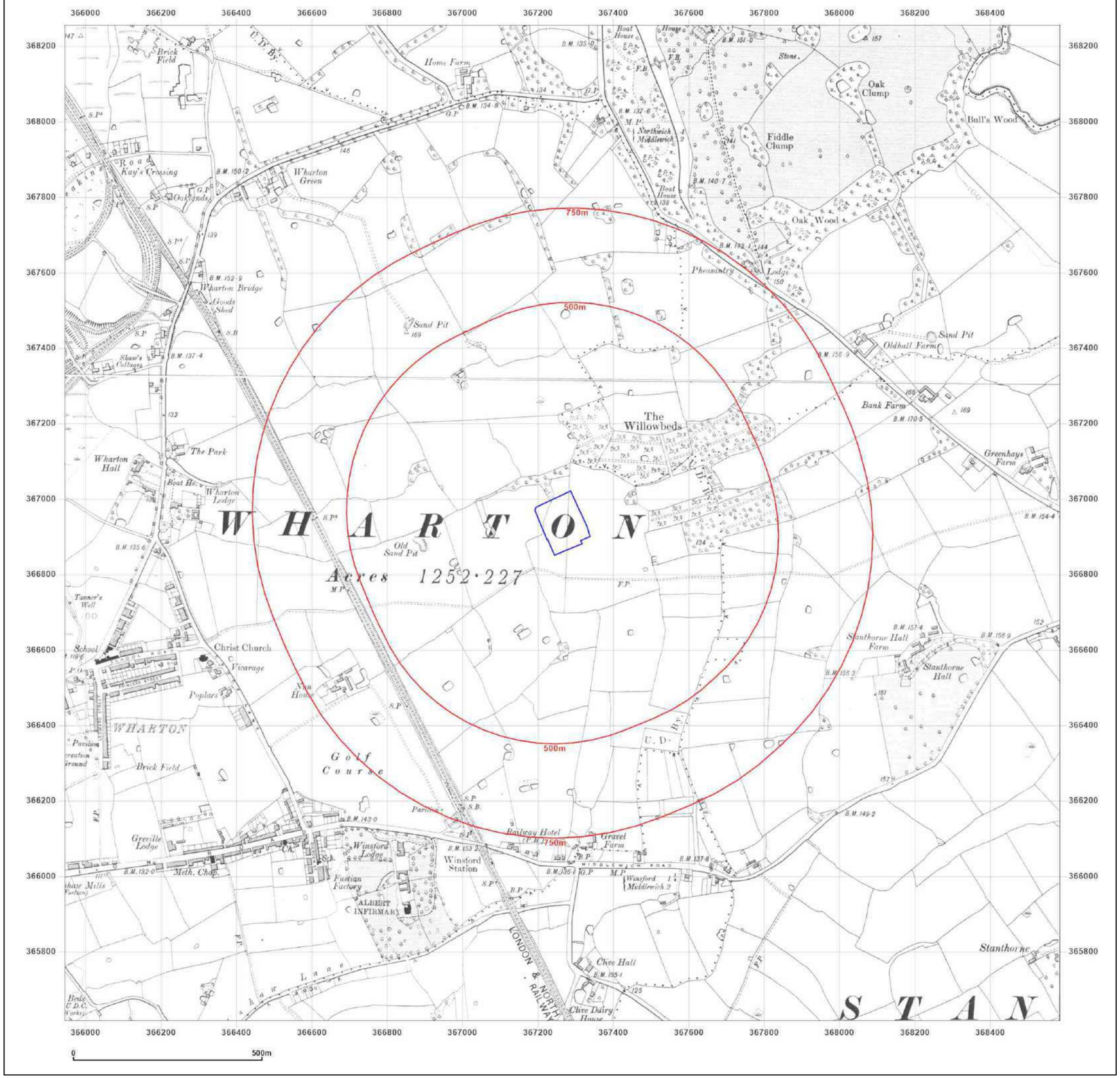

Groundsure INSIGHTS

Site Details:

367272, 366917

Client Ref: WIC001
Report Ref: GS-FTB-YMM-TUY-34G
Grid Ref: 367264, 366936

Map Name: County Series

Map date: **1911**

Scale: 1:10,560

Printed at: 1:10,560

N
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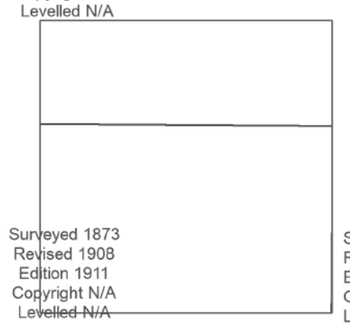
Surveyed 1873
Revised 1908
Edition 1911
Copyright N/A
Levelled N/A



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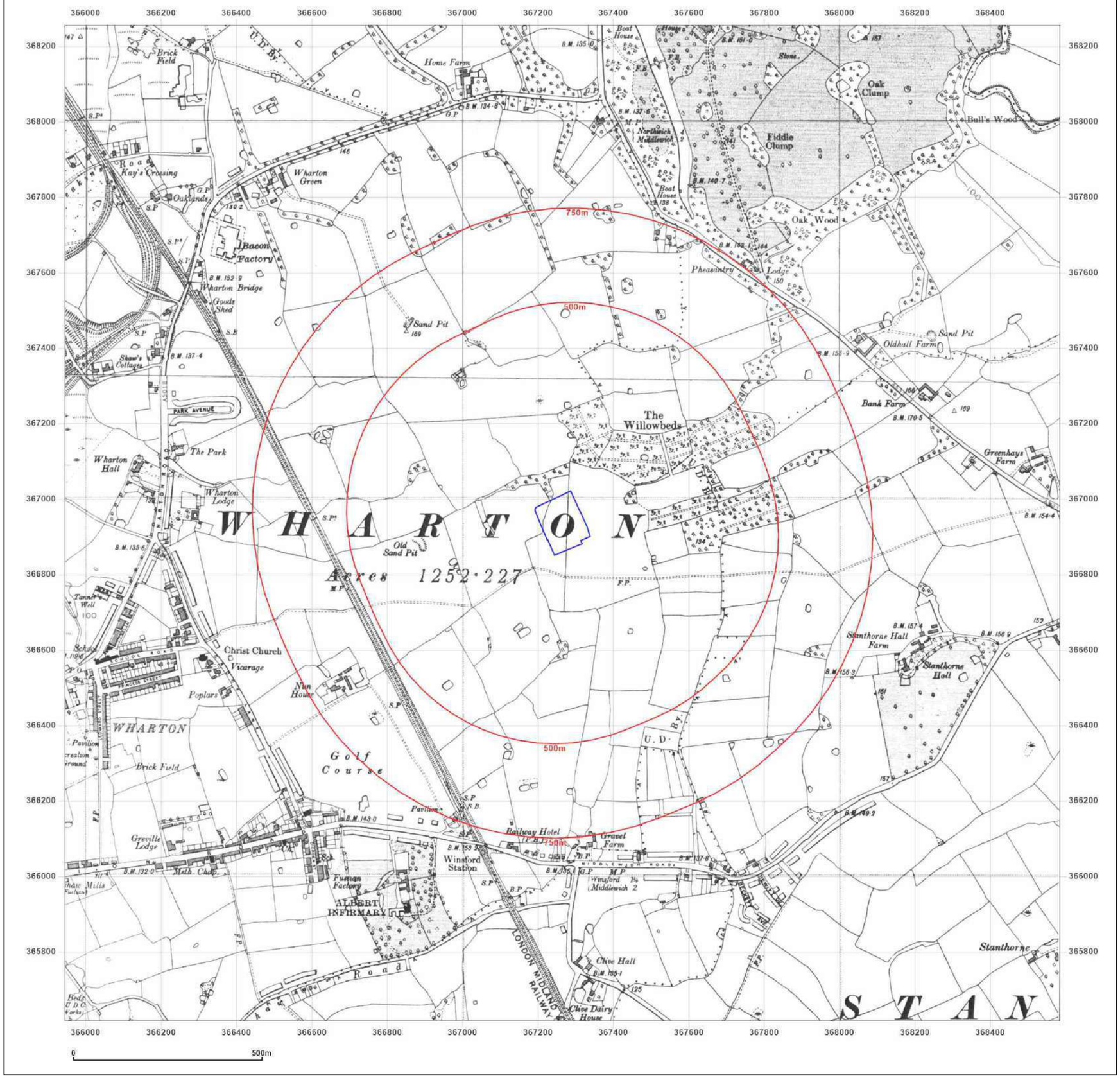

Groundsure INSIGHTS

Site Details:

367272, 366917

Client Ref: WIC001
Report Ref: GS-FTB-YMM-TUY-34G
Grid Ref: 367264, 366936

Map Name: County Series

Map date: **1938**

Scale: 1:10,560

Printed at: 1:10,560

N
W E
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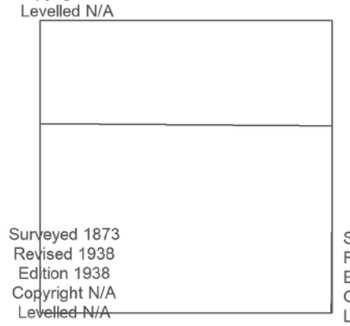
Surveyed 1873
Revised 1938
Edition 1938
Copyright N/A
Levelled N/A



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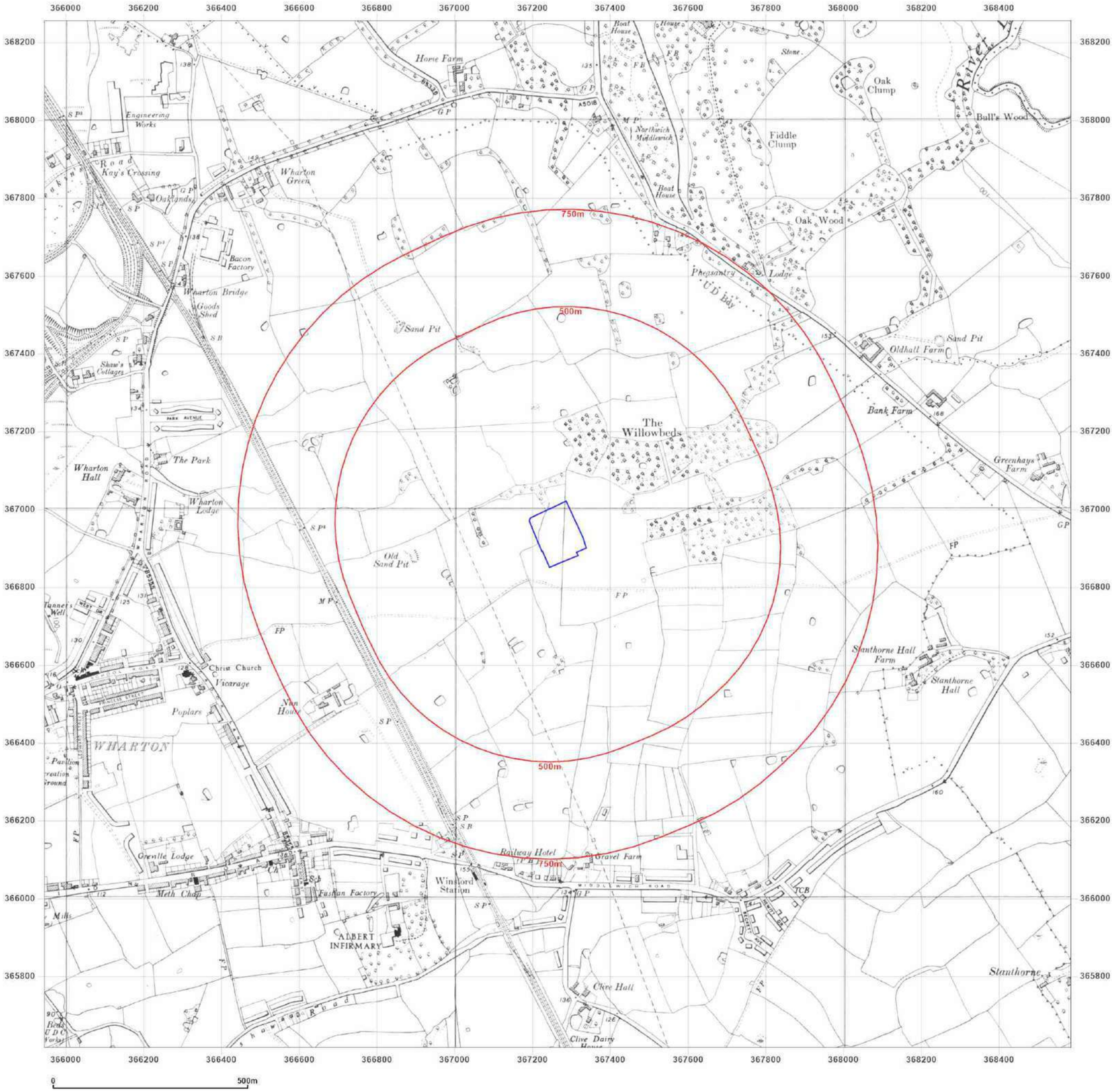

Groundsure INSIGHTS

Site Details:

367272, 366917

Client Ref: WIC001
Report Ref: GS-FTB-YMM-TUY-34G
Grid Ref: 367264, 366936

Map Name: Provisional

Map date: **1949**

Scale: 1:10,560

Printed at: 1:10,560

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

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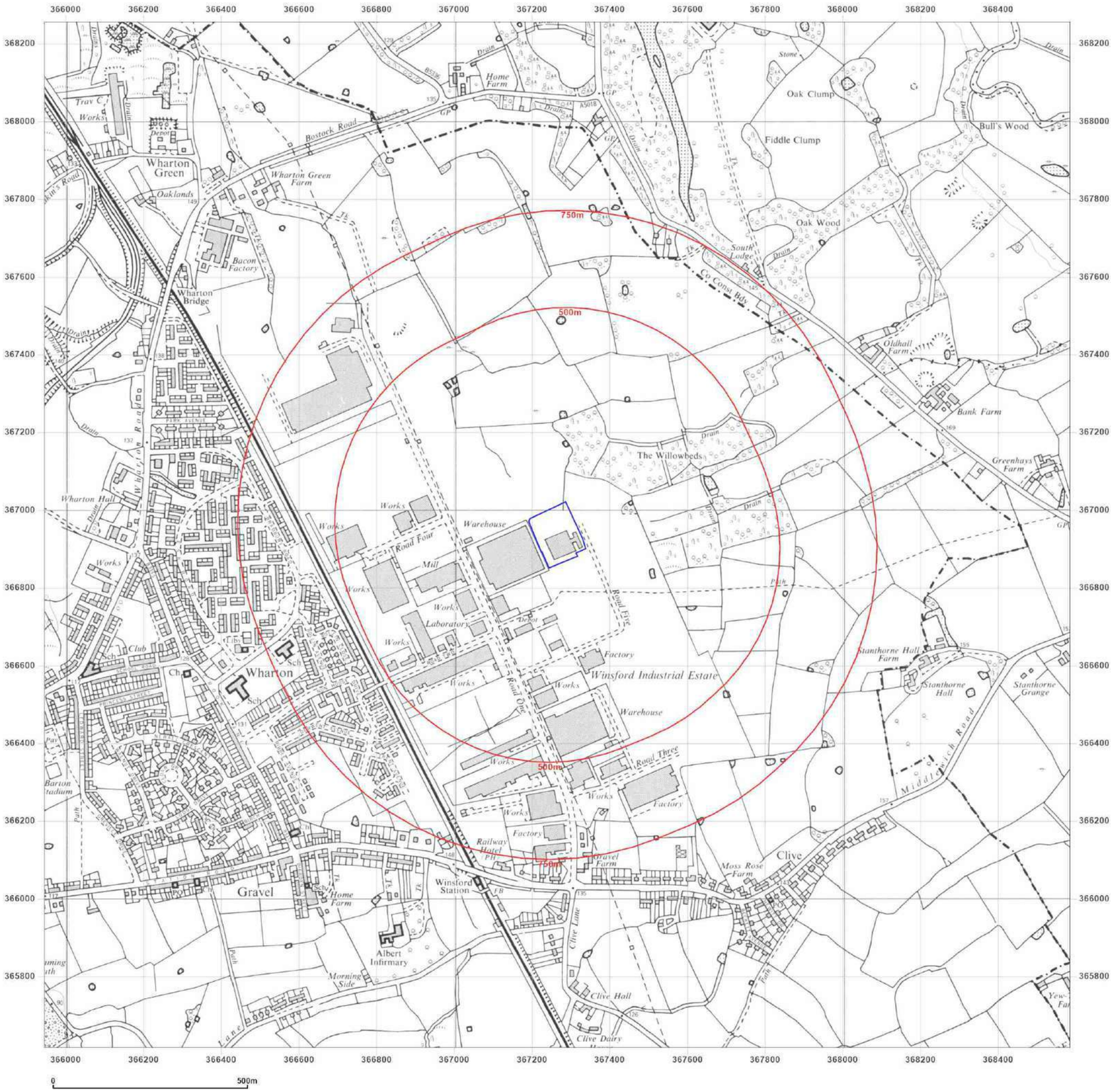

Groundsure INSIGHTS

Site Details:

367272, 366917

Client Ref: WIC001
Report Ref: GS-FTB-YMM-TUY-34G
Grid Ref: 367264, 366936

Map Name: Provisional

Map date: **1970**

Scale: 1:10,560

Printed at: 1:10,560

N
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Surveyed 1970
Revised 1970
Edition N/A
Copyright 1970
Levelled N/A

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Production date: 14 July 2023

Map legend available at:
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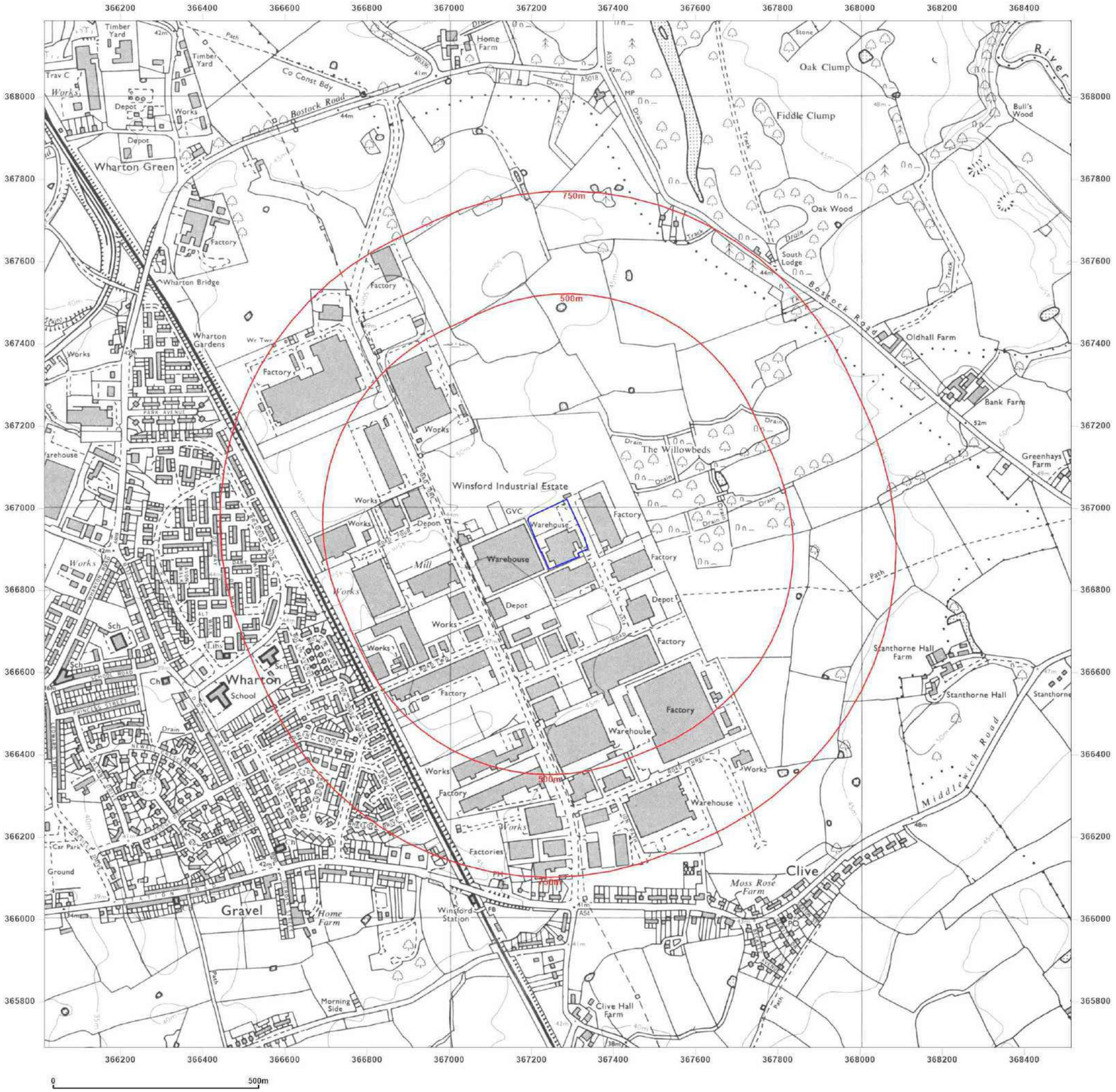

Groundsure INSIGHTS

Site Details:

367272, 366917

Client Ref: WIC001
Report Ref: GS-FTB-YMM-TUY-34G
Grid Ref: 367264, 366936

Map Name: National Grid

Map date: **1981**

Scale: 1:10,000

Printed at: 1:10,000

N
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Surveyed 1976
Revised 1981
Edition N/A
Copyright 1981
Levelled 1975

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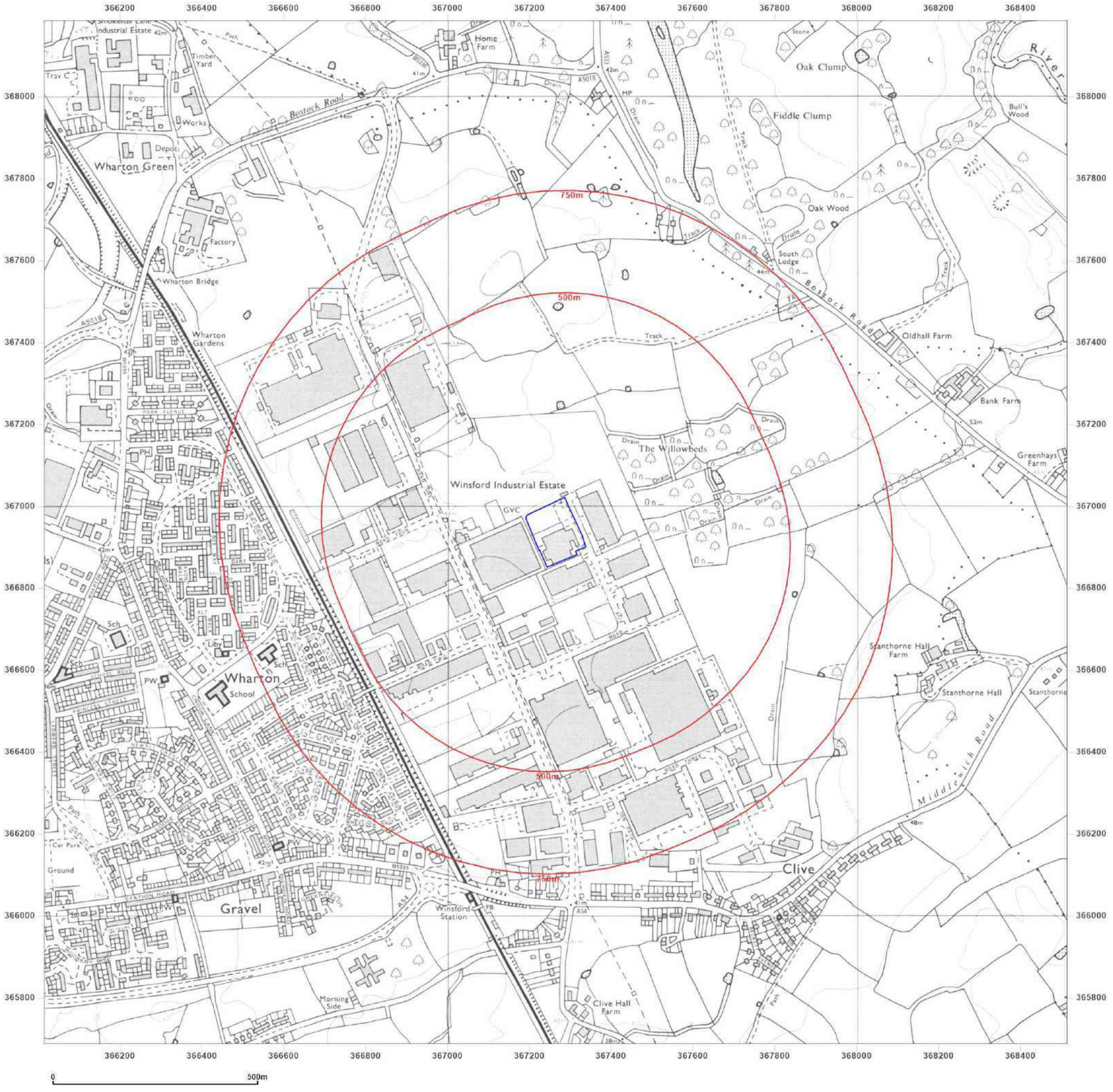

Groundsure INSIGHTS

Site Details:

367272, 366917

Client Ref: WIC001
Report Ref: GS-FTB-YMM-TUY-34G
Grid Ref: 367264, 366936

Map Name: National Grid

Map date: **1992**

Scale: 1:10,000

Printed at: 1:10,000

N
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Surveyed 1976
Revised 1992
Edition N/A
Copyright 1992
Levelled 1981

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Production date: 14 July 2023

Map legend available at:
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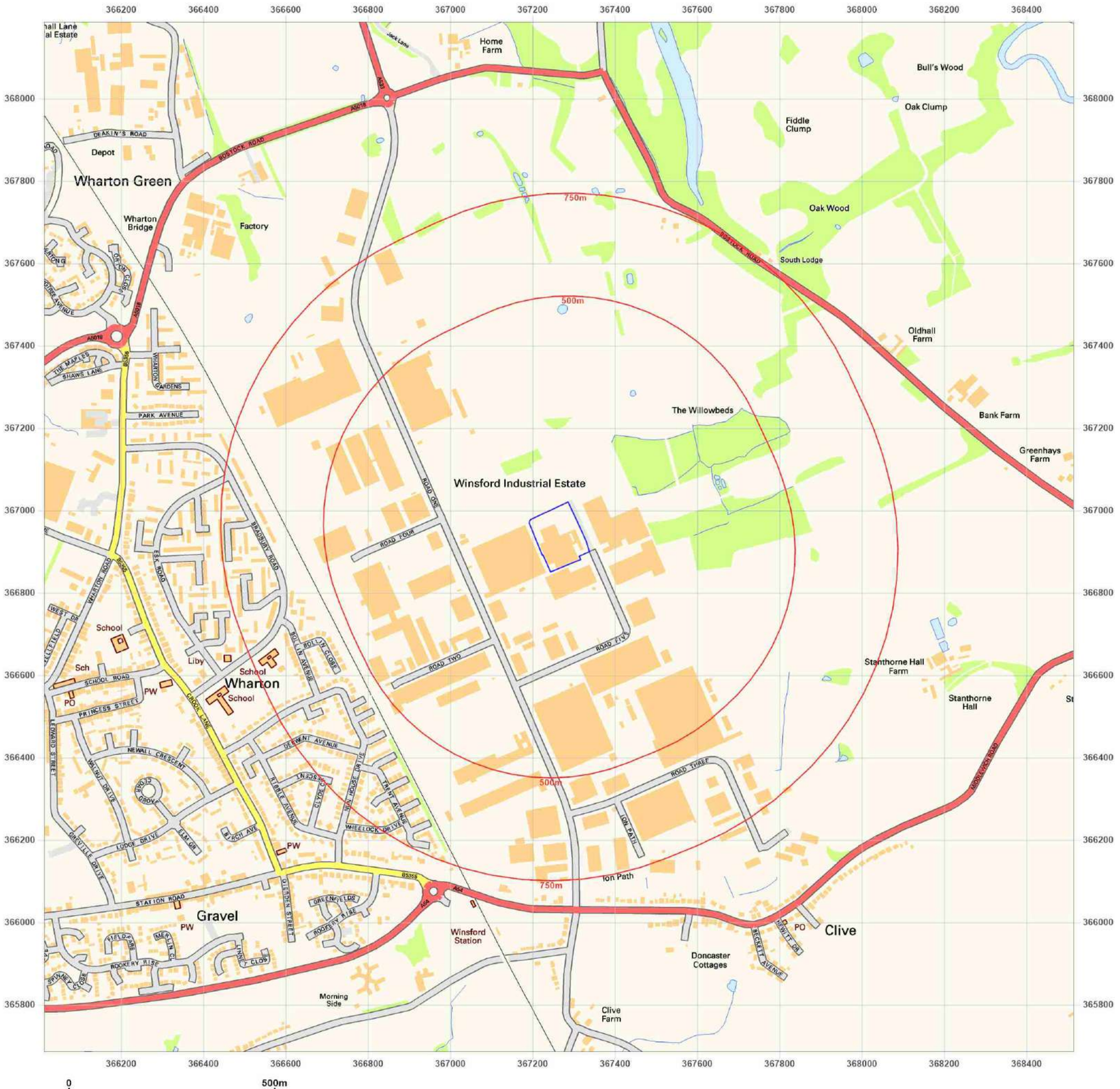

Site Details:

367272, 366917

Client Ref: WIC001
Report Ref: GS-FTB-YMM-TUY-34G
Grid Ref: 367264, 366936

Map Name: National Grid

Map date: **2001**

Scale: 1:10,000

Printed at: 1:10,000

N
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2001

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Production date: 14 July 2023

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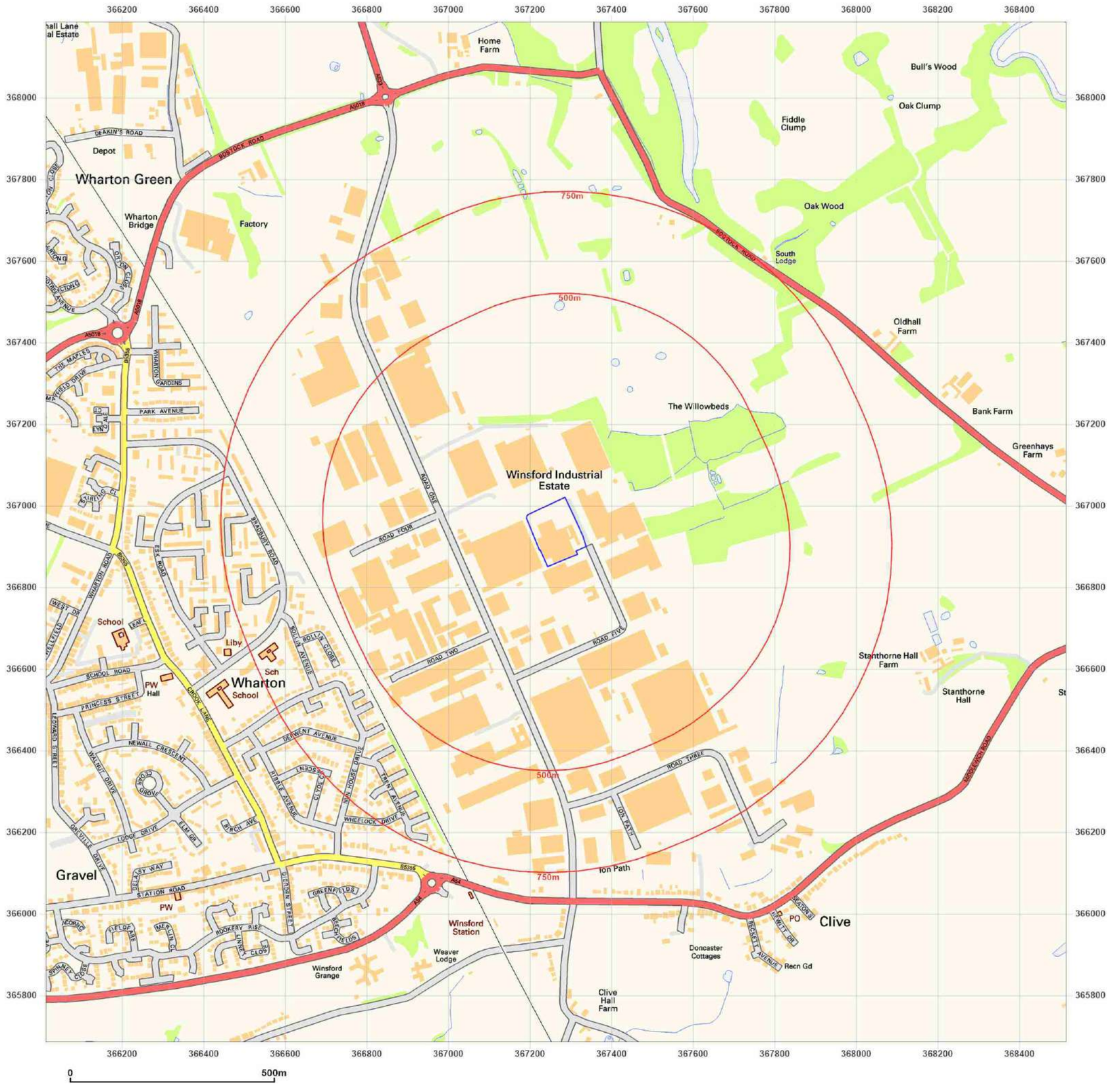

Groundsure INSIGHTS

Site Details:

367272, 366917

Client Ref: WIC001
Report Ref: GS-FTB-YMM-TUY-34G
Grid Ref: 367264, 366936

Map Name: National Grid

Map date: **2010**

Scale: 1:10,000

Printed at: 1:10,000

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2010

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Production date: 14 July 2023

Map legend available at:
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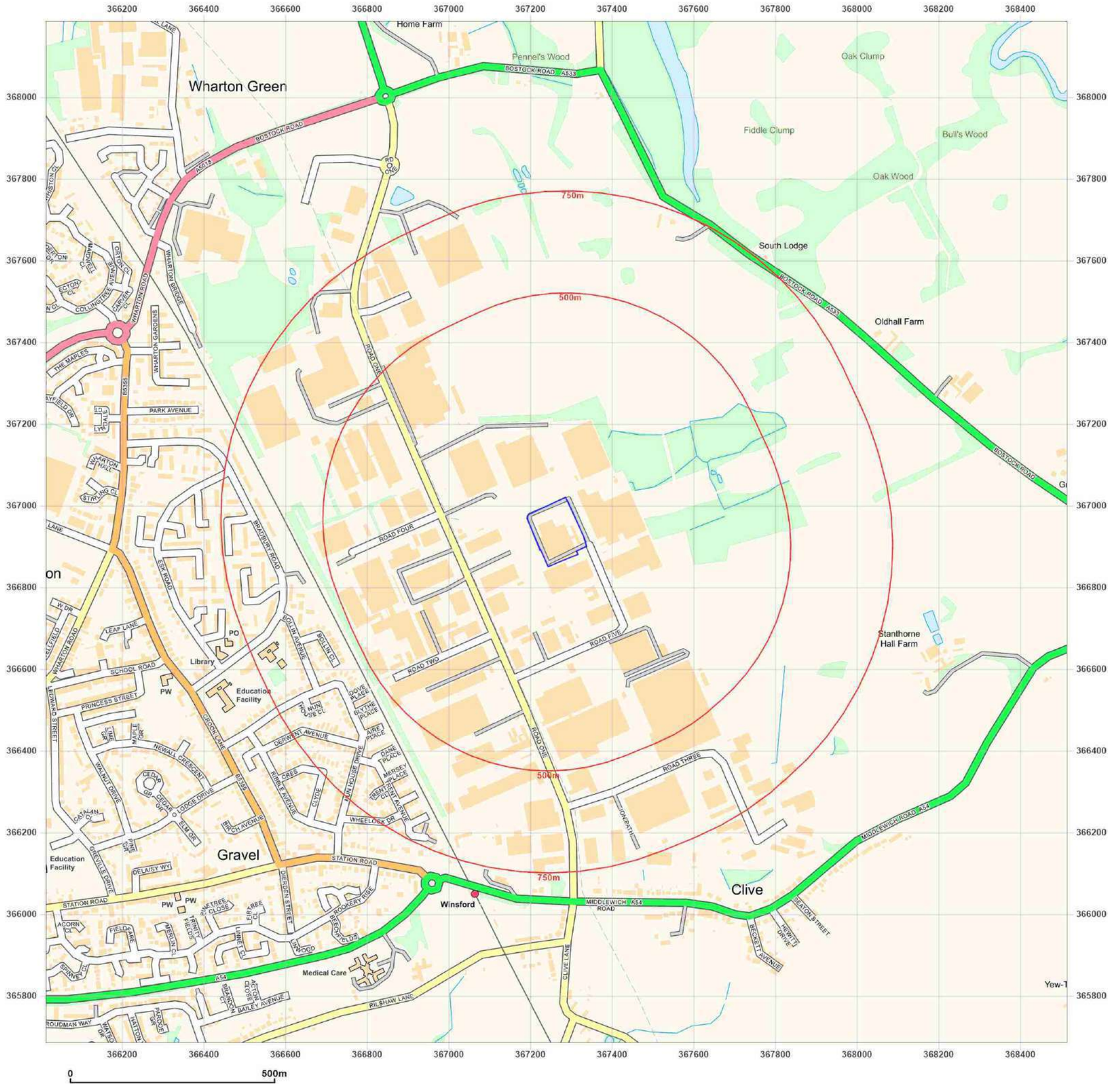

Groundsure INSIGHTS

Site Details:

367272, 366917

Client Ref: WIC001
Report Ref: GS-FTB-YMM-TUY-34G
Grid Ref: 367264, 366936

Map Name: National Grid

Map date: **2023**

Scale: 1:10,000

Printed at: 1:10,000

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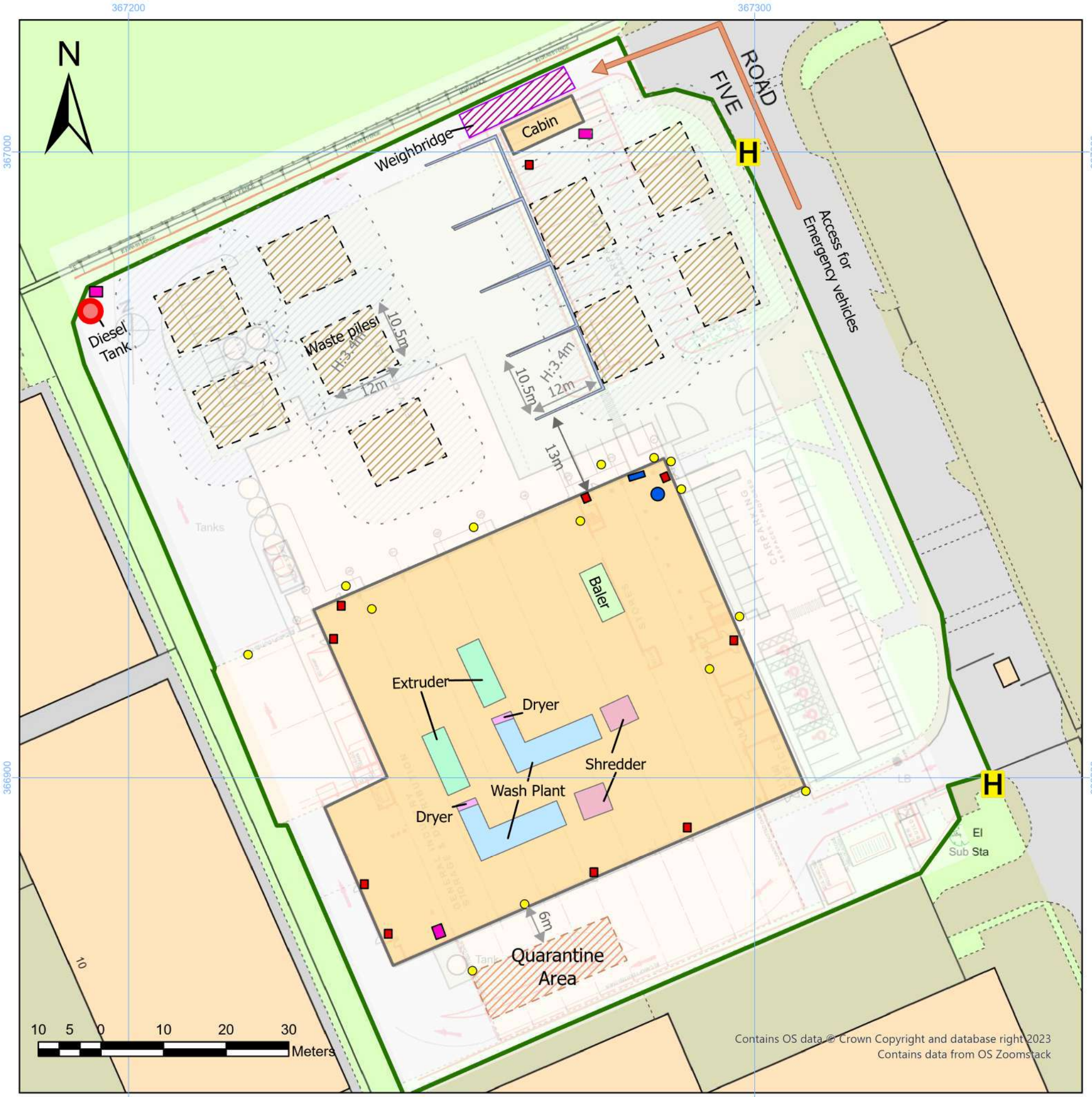

Waste And Industry Compliance Ltd
ENVIRONMENTAL CONSULTANCY SERVICES

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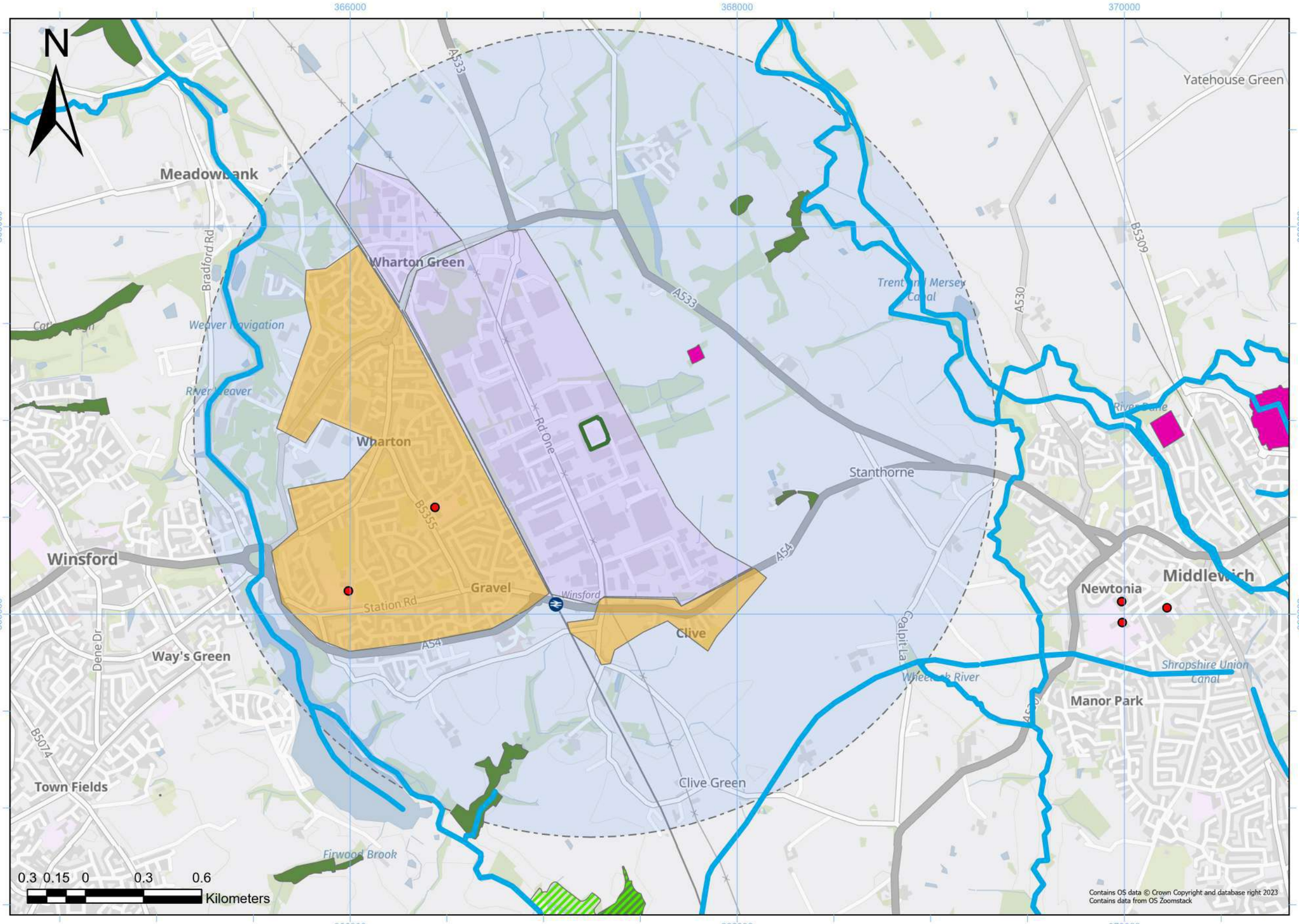
Site Location: Rd Five, Winsford Industrial Estates, Winsford, CW7 3QY		
Scale: 1:650	Page Size: A3	Author: S. Barnes
Date: 04/09/2023		Version: FINAL
Drawing Number: Clearfields-Winsford-DW01		

Legend

- Permit Boundary
- Bays 6m separation buffer
- Fire Extinguisher
- Water Mains tap
- Spill Kit
- Water Hose
- Diesel Tank
- CCTV
- Fire Hydrant

Grid ref:
SJ 67255 66946



Waste And Industry Compliance Ltd
ENVIRONMENTAL CONSULTANCY SERVICES

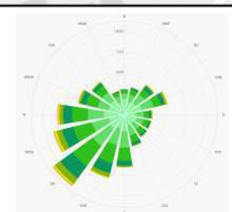
Clearfields Envirotech Ltd.

Legend

- Permit Boundary
- Buffer

Receptors

- Commercial
- Residential
- School
- Watercourse
- Special Protection Areas
- Special Areas of Conservation
- Sites of Special Scientific Interest
- Ancient Woodland
- Scheduled Monuments
- National Nature Reserves
- Local Nature Reserves



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All Dimensions to be checked on site and not scaled from this drawing.
This drawing is not for construction

All services to be checked on site and not scaled from this drawing

Title: Sensitive Receptors	Date: 15/08/2023	Page Size: A3	Drawing Number: Clearfields-Winsford-DW02
Site Location: Winsford Industrial Estate, Road Five, Winsford, CW7 3SG.	Version: FINAL	Scale:1:20,000	Grid reference: SJ 67273 66909