

**A PHASE I DESK STUDY REPORT TO SUPPORT A PLANNING APPLICATION FOR THE
DEVELOPMENT OF:**

21 LANDSDOWN ROAD, SUDBURY, CO10 2QG



CLIENT: D J Slater Limited
REFERENCE: RCER/23.324/Phase I
DATE: 15 November 2023

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1. INTRODUCTION

A F Howland Associates Limited was instructed by D J Slater Limited (the “Client”) to carry out a Phase I Contamination Assessment to support the development of 21 Landsdown Road, Sudbury, CO10 2QG (Drawing 23.324/PhaseI/01). This is being considered under planning application reference DC/23/03943. It is proposed to demolish the existing dwelling and construct two replacement dwellings, as shown on Dean Jay Pearce Architectural Design and Planning Limited Proposed Plan and Elevations, referenced 23/51/03, provided in Appendix D.

This report presents pertinent background information, including environmental and historical data, and gives details of a walkover survey undertaken to confirm the current condition of the site and the surrounding area. The information is used to develop a preliminary risk assessment and conceptual model using the “*source-pathway-receptor*” principle, and provides a qualitative assessment of land contamination risks.

The report has been carried out in general accordance with accepted best practice and methodologies (BSI, 2017; EA, 2020; DCLG, 2013) and was prepared for the sole and exclusive use of the Client and its advisors. Other parties using the contained information do so at their own risk and any duty of care to those parties is specifically excluded subject to copyright as detailed below.

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2. SITE LOCATION

The site is located at 21 Landsdown Road within the town of Sudbury at National Grid reference 588210, 242002 and at an elevation of approximately 52 m above Ordnance Datum (aOD).

3. GEOLOGY

The geology of the site as mapped by the British Geological Survey (BGS, 2023) includes bedrock of the Thanet Formation (sand) which overlies the Lewes Nodular Chalk Formation, Seaford Chalk Formation, Newhaven Chalk Formation and Culver Chalk Formation deposits. Crag Group (sand) is located overlying the Thanet Sand deposits to the south of the site. Superficial deposits of the Lowestoft Formation (diamicton) are found on the site. A nearby BGS archive borehole record (TL84SE27¹), located about 150 m to the north of the site, recorded topsoil overlying gravelly clay to 5.1 m and chalk to the base of the borehole at 7.9 m.

4. HYDROLOGY AND HYDROGEOLOGY

The Thanet Formation is designated secondary A aquifer status, although the chalk deposits are designated principle aquifer status. The superficial deposits are designated secondary undifferentiated aquifer status (Lowestoft Formation). The hydrogeology map for the area (NERC, 1981) identifies the piezometric surface of the groundwater within the chalk deposits to be approximately 30 m aOD. The site is located within zone two of a groundwater source protection zone. The site does not lie within, or in close proximity to, or a drinking water protected area but it is within a drinking water safeguard zone. There are five groundwater abstraction licences located within 2 km of the site. One of these is active, is located 1 km west of the site and is used for a potable water supply by Anglian Water Services.

There are no surface water features within 250 m of the site. There are 3 active surface water abstractions within a 2 km radius, the closest of these being 1.2 km west of the site for a nature conservation. There is one potable water abstraction licence within 2 km of the site. This is located 1 km west of the site and is operated by Anglian Water Services.

¹ BGS ID: 553315 : BGS Reference: TL84SE27

5. HAZARDOUS GASES

The environmental database report indicates that the site is within an area where less than 1% of the properties have a radon level above the action level. Specific protection from radon gas is not required.

Another source of potentially hazardous gases can be from landfill sites, other waste treatment facilities and uncontrolled backfill of voids such as mineral extraction pits. The environmental database report indicates that there are no active or recent landfill sites on or within 250 m of the site.

The environmental database report identifies a Brick Works on site (California Brick Works) this included a number of clay pits within the site area. This had ceased working by 1950. The site itself and immediate surrounding area has been partially infilled and residential properties were built on the site in the 1970s. The date of any filling would mean that there is a low possibility of ongoing gas production. Other potentially infilled land within 250 m of the site is considered to be insignificant.

6. HISTORICAL INFORMATION

A review of historical maps and aerial images has been undertaken. A summary of the findings is presented below and the historical maps are appended.

6.1 Historical Maps

The earliest available mapping edition, dated 1885, surveyed the site to be within the *California Brick Works*, north of *Sudbury*. Within the site boundary there were records of depressions with steeper slopes to the north of the area as well as an unidentified circular feature in the south east of the site. Immediately surrounding the site there are more depressions as well as buildings and kilns. A small pond was recorded in a depression to the north west of the site.

Alexandra Brick Works was located 200 m east of the site. *Park Cottage* was located north of the site along *Gallows Hill* and adjacent to an *Old Clay Pit*. There were also a number of other works and pits to the south of the site, within 1 km, these were for the extraction of clay, chalk, sand, and gravel as well as lime kilns within some of these areas.

The 1897 to 1902 edition shows no change to the site area. The California and Alexandra Brick Works to have expanded these include larger depressions and tanks identified within



both sites. A new brick works with buildings, kilns and depressions was identified north of the site at the location of park cottage now identified as *Park Lodge*. *Allotment Gardens* were also identified on the northern section of the site.

The 1955 edition no longer shows the California Brick Works and the area is recorded to have rough pasture and scrub across the site. The depressions are shown to be infilled although there is a cutting on the northern boundary. The Alexandra Brick Works is now identified as *Chilton Saw Mill* with *Timber Yards* and an *Old Clay Pit*. Two small ponds were also noted within this area. Houses were also being constructed 150 m south west of the site.

The 1970 to 1972 edition shows a single dwelling in the same layout as present day identified on the site and houses constructed immediately surrounding the site. A series of *Works*, *Warehouses* and *Factories* had been constructed to the south east. The *Saw Mill* was still present to the east with more buildings constructed within the depression formed when it was a brick works. By the 1976 edition, no changes had been made on the site but a *Warehouse* and *Factory* had been constructed approximately 250 m north east of the site. A *playing field* was also identified to the south east.

The 1985 edition identifies no changes to the site. A *Warehouse*, *Works* and a *Garage* were located approximately 200 m to the north of the site in an area identified as an *Industrial and Trading Estate*. There are no further changes identified to the site or the surrounding area since this edition.

6.2 Aerial Images

Aerial images² for the site area are available from 2000 to 2023. The 2000 image shows the site to be occupied by a house with a garage and a garden within a residential area. There are no further changes to the site or the surrounding area since the first image.

7. WALKOVER SURVEY

A walkover survey was carried out on 3 November 2023 to enable identification of the current land use and other details not otherwise available from the archival information. The salient features are shown on Drawing/Phase I/02 in Appendix D.

² Google Earth [accessed 31 October 2023]

The walkover survey found the site to comprise a rectangular parcel of land off Landsdown Road. The site had a driveway that was surfaced with asphalt which continued along the north western boundary to the garage. The rest of the site was grassed with small areas of paving.

A bungalow with a detached garage was located on the site. The bungalow was constructed out of bricks and had a tile roof. This was in good condition although there were some cracks within the walls of the building. The garage was constructed out of bricks and had possible asbestos cement board roof tiles. The garage appeared to have been used for general household storage and included an outside toilet.

A small tree was located within the centre of the garden with shrubs and other small plants throughout. It was slightly overgrown with brambles and other vegetation at the time of the visit. The back of the garden to the north had stepped planting areas and a greenhouse. There was a single manhole cover within the paved pathway adjacent to the garage.

The site lay within residential surroundings, with houses on all sides. It was bound by a house and garden at a higher elevation to the north east separated from the site by a brick wall, vegetation and wooden fence. At the south east and north west boundary of the site were several shrubs and a fence with a houses beyond these. The south western boundary comprised a low brick wall with the road beyond.

The site was flat although it was at a slightly higher elevation than the adjacent road. The surrounding area had elevations of between approximately 43 m to 57 m, with the site near the top of the gradient.

8. DISCUSSION OF ENVIRONMENTAL ISSUES

The proposed development will include two residential properties with private gardens and water supply pipes (Proposed Plan and Elevations, referenced 23/51/03).

The site is underlain by secondary A and secondary undifferentiated aquifers with the chalk and crag deposits designated principle aquifer status. It is within zone two of a groundwater source protection and a within drinking water safeguard zone. There are one groundwater, three surface water and one potable water active abstractions within 2 km of the site.



A review of historical information and the walkover survey highlights that the historical use of the site and immediate surrounding area was a brick works with clay pits and kilns until the 1940s. The site was then an area of rough pasture, where the depressions appear to have been filled with unknown materials. Since the 1970s, the site has been within a residential estate, with one bungalow property with a garage on the site. The cuttings referenced on the 1955 map edition are still evident on the northern boundary of the site.

No significant sources of ground gas have been identified.

9. PRELIMINARY RISK ASSESSMENT AND CONCEPTUAL MODEL

Following a review of the archival information and the walkover survey a preliminary conceptual model was devised to determine the risk to appropriate receptors from any potential contamination hazards. This collates the evidence gained and establishes the potential linkages that may exist under the principle of “source-pathway-receptor” and is presented in Table 1 below.

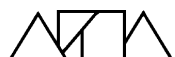
A risk category is determined for the potential linkages and an assessment made of risk and the significance of that risk from professional judgement. Risk assessment classification is included in Appendix E. Where appropriate, further work is recommended to fully quantify any potential risk.

The generic risks posed to construction workers are included as part of this assessment to identify the potential impact upon construction and design proposals. It should be noted that an assessment of risk to construction workers suggests that only contamination of acute toxicity might represent an unacceptable risk to the health of construction workers but which should be managed through health and safety procedures.



Source of Contamination	Pathway	Receptor	Probability and Reasoning	Consequence and Reasoning	Risk Classification
Potentially contaminated soils from historical and recent use	Direct contact, inhalation, ingestion	Human end-users	Likely – There is a potential for made ground from infilling of depressions and contamination from previous brick works on the site.	Medium – Human end-users	Moderate Risk
		Construction workers		Mild – Short term exposure but can be controlled by use of PPE and suitable hygiene practices	Low/Moderate Risk
	Percolation and migration of leachate / mobile contaminants	Groundwater	Low Likelihood – There is a possibility of mobile or leachable contamination based on a review of the previous use of the site.	Medium – Principle, secondary A aquifer and secondary (undifferentiated) aquifer underlie the site	Low/Moderate Risk
		Surface water		Medium – Surface watercourses are sensitive ecosystems and have the potential to be adversely impacted by contaminants.	Low/Moderate Risk
	Direct Contact	Water supply pipes	Low Likelihood – There is a low possibility for contamination that could permeate plastic water supply pipes or be aggressive to buried concrete.	Medium – Human receptors	Low/Moderate Risk
		Buried concrete		Medium – Robust receptor	Low/Moderate Risk
Potentially infilled land on and off site	Gas migration and accumulation in structures	Human end-users	Unlikely – Although there is the potential for infilled ground on site, the date of infilling would indicate a low probability of gas production. Potential off-site sources of ground gas are considered insignificant or ground gas migration unlikely	Severe - Acute risk to potential end users	Low/Moderate Risk
				Low/Moderate Risk	
Radon Gas		Human end-users	Unlikely – Two dwellings proposed although the site is outside of a radon affected area	Medium - Chronic risk to human end users	Low Risk

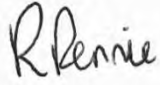
Table 1 – Preliminary Conceptual Site Model and Risk Assessment



10. SUMMARY AND RECOMMENDATIONS

1. A Phase I Desk Study and Contamination Assessment was carried out to support the development of 21 Landsdown Road, Sudbury, CO10 2QG. The proposed development is for two residential properties.
2. The site is anticipated to be underlain by bedrock of the Thanet Formation overlying chalk deposits with superficial soil of the Lowestoft Formation (diamicton). Crag deposits are also located to the south of the site.
3. The Chalk is designated a principle aquifer status, the Thanet Formation secondary A aquifer status and the Lowestoft Formation a secondary (undifferentiated) aquifer status. The site lies within zone two of a source protection and there is one active groundwater, three active surface water and one active potable water abstractions within 2 km. There are no surface water features within 250 m of the site.
4. The historical use of the site and immediate surrounding area was as a brick works with clay pits and kilns until the 1940s. The site then appeared to be filled and was an area of rough pasture. Since the 1970s, the site has been within a residential estate, with a bungalow property on the site.
5. It is considered to be likely for the historical use of the site to have impacted the soil and a moderate risk to human end-users is concluded.
6. Construction workers are considered to be at a low to moderate risk from contaminated soils and this can also be managed through the use of PPE and suitable hygiene practices.
7. Groundwater and surface water are considered to be at low to moderate risk given the low likelihood for the presence of any mobile contamination.
8. There is a low to moderate risk to buildings and services from aggressive ground conditions that may pose a risk to buried concrete.
9. Whilst potentially infilled land has been identified on the site and within 250 m, these are unlikely to pose a threat from ground gas as they have either seen insignificant filling, the age of filling is such that ground gas production from degradable material will have ceased or they are a considerable distance from the site. Although, the possible presence of made ground with a degradable content should be investigated to establish if it is a possible source of ground gas. A low to moderate risk has been concluded.
10. In order to confirm the absence of significant contamination that could impact the identified receptors, a limited intrusive investigation and quantitative risk assessment is recommended. This should include coverage of the proposed construction area of the site, whilst targeting any proposed garden areas and the route of water supply pipes.





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A F HOWLAND ASSOCIATES
15 November 2023



APPENDIX A: REFERENCES

BRITISH GEOLOGICAL SURVEY (BGS). 2023. British Geological Survey OpenGeoscience Website. Geology of Britain Viewer. www.bgs.ac.uk/opengeoscience

BRITISH STANDARDS INSTITUTION (BSI). 2017. BS 10175:2011+A2:2017. Code of practice for investigation of potentially contaminated Sites. British Standards Institution. London.

DEPARTMENT FOR COMMUNITIES AND LOCAL GOVERNMENT (DCLG). 2013. The Building Regulations - England - Approved Document C: Site preparation and resistance to contaminants and moisture, 2004 and incorporating 2010 and 2013 amendments.

ENVIRONMENT AGENCY (EA). 2020. Land Contamination Risk Management (LCRM). Accessed at: <https://www.gov.uk/government/publications/land-contamination-risk-management-lcrm>. Environment Agency, Bristol.

NATIONAL ENVIRONMENTAL RESEARCH COUNCIL (NERC). 1981. Hydrogeological Map of Southern East Anglia. 1:125 000 Scale. NERC, London.



APPENDIX B: ENVIRONMENTAL DATABASE REPORT

Enviro+Geo Insight Report (report reference GS-3EK-K84-7UN-CQX)



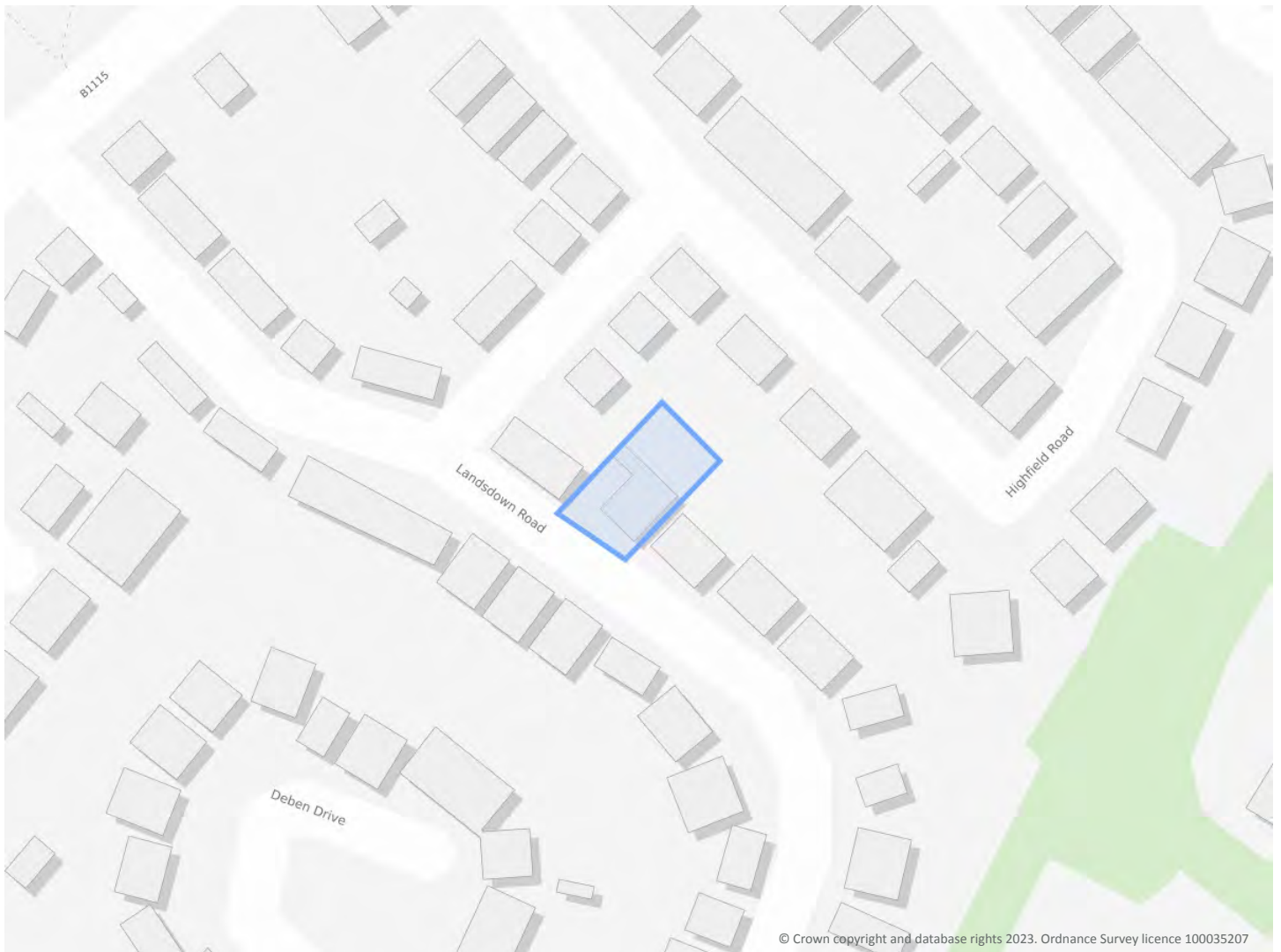
21, LANDSDOWN ROAD, SUDBURY, CO10 2QG

Order Details

Date: 30/10/2023
Your ref: RCER_23-324
Our Ref: GS-3EK-K84-7UN-CQX

Site Details

Location: 588210 242002
Area: 0.06 ha
Authority: [Babergh District Council](#) ↗



Summary of findings

[p. 2 >](#)

Aerial image

[p. 9 >](#)

OS MasterMap site plan

[p.14 >](#)

groundsure.com/insightuserguide ↗

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
15 >	1.1 >	Historical industrial land uses >	9	6	65	89	-
22 >	1.2 >	Historical tanks >	1	5	4	12	-
23 >	1.3 >	Historical energy features >	0	0	10	18	-
24	1.4	Historical petrol stations	0	0	0	0	-
24 >	1.5 >	Historical garages >	0	0	1	0	-
25	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
26 >	2.1 >	Historical industrial land uses >	18	8	92	125	-
35 >	2.2 >	Historical tanks >	2	7	4	15	-
37 >	2.3 >	Historical energy features >	0	0	15	31	-
39	2.4	Historical petrol stations	0	0	0	0	-
39 >	2.5 >	Historical garages >	0	0	1	0	-
Page	Section	Waste and landfill >	On site	0-50m	50-250m	250-500m	500-2000m
40	3.1	Active or recent landfill	0	0	0	0	-
40	3.2	Historical landfill (BGS records)	0	0	0	0	-
41	3.3	Historical landfill (LA/mapping records)	0	0	0	0	-
41 >	3.4 >	Historical landfill (EA/NRW records) >	0	0	0	1	-
41	3.5	Historical waste sites	0	0	0	0	-
41	3.6	Licensed waste sites	0	0	0	0	-
42 >	3.7 >	Waste exemptions >	0	0	1	9	-
Page	Section	Current industrial land use >	On site	0-50m	50-250m	250-500m	500-2000m
43 >	4.1 >	Recent industrial land uses >	0	0	12	-	-
44 >	4.2 >	Current or recent petrol stations >	0	0	0	1	-
45	4.3	Electricity cables	0	0	0	0	-
45	4.4	Gas pipelines	0	0	0	0	-
45	4.5	Sites determined as Contaminated Land	0	0	0	0	-



45	4.6	Control of Major Accident Hazards (COMAH)	0	0	0	0	-
45	4.7	Regulated explosive sites	0	0	0	0	-
46	4.8	Hazardous substance storage/usage	0	0	0	0	-
46	4.9	Historical licensed industrial activities (IPC)	0	0	0	0	-
46	4.10	Licensed industrial activities (Part A(1))	0	0	0	0	-
46 >	4.11 >	<u>Licensed pollutant release (Part A(2)/B) ></u>	0	0	0	3	-
47	4.12	Radioactive Substance Authorisations	0	0	0	0	-
47 >	4.13 >	<u>Licensed Discharges to controlled waters ></u>	0	0	0	1	-
47	4.14	Pollutant release to surface waters (Red List)	0	0	0	0	-
48 >	4.15 >	<u>Pollutant release to public sewer ></u>	0	0	0	3	-
48	4.16	List 1 Dangerous Substances	0	0	0	0	-
48 >	4.17 >	<u>List 2 Dangerous Substances ></u>	0	0	0	7	-
49 >	4.18 >	<u>Pollution Incidents (EA/NRW) ></u>	0	0	1	0	-
49	4.19	Pollution inventory substances	0	0	0	0	-
50	4.20	Pollution inventory waste transfers	0	0	0	0	-
50	4.21	Pollution inventory radioactive waste	0	0	0	0	-
Page	Section	<u>Hydrogeology ></u>	On site	0-50m	50-250m	250-500m	500-2000m
51 >	5.1 >	<u>Superficial aquifer ></u>	Identified (within 500m)				
53 >	5.2 >	<u>Bedrock aquifer ></u>	Identified (within 500m)				
55 >	5.3 >	<u>Groundwater vulnerability ></u>	Identified (within 50m)				
56 >	5.4 >	<u>Groundwater vulnerability- soluble rock risk ></u>	Identified (within 0m)				
57	5.5	Groundwater vulnerability- local information	None (within 0m)				
58 >	5.6 >	<u>Groundwater abstractions ></u>	0	0	0	0	5
60 >	5.7 >	<u>Surface water abstractions ></u>	0	0	0	0	3
61 >	5.8 >	<u>Potable abstractions ></u>	0	0	0	0	1
61 >	5.9 >	<u>Source Protection Zones ></u>	1	0	0	1	-
61	5.10	Source Protection Zones (confined aquifer)	0	0	0	0	-
Page	Section	<u>Hydrology ></u>	On site	0-50m	50-250m	250-500m	500-2000m
62	6.1	Water Network (OS MasterMap)	0	0	0	-	-



62	6.2	Surface water features	0	0	0	-	-
63 >	6.3 >	WFD Surface water body catchments >	1	-	-	-	-
63 >	6.4 >	WFD Surface water bodies >	0	0	0	-	-
64 >	6.5 >	WFD Groundwater bodies >	1	-	-	-	-
Page	Section	River and coastal flooding	On site	0-50m	50-250m	250-500m	500-2000m
65	7.1	Risk of flooding from rivers and the sea	None (within 50m)				
65	7.2	Historical Flood Events	0	0	0	-	-
65	7.3	Flood Defences	0	0	0	-	-
66	7.4	Areas Benefiting from Flood Defences	0	0	0	-	-
66	7.5	Flood Storage Areas	0	0	0	-	-
67	7.6	Flood Zone 2	None (within 50m)				
67	7.7	Flood Zone 3	None (within 50m)				
Page	Section	Surface water flooding					
68	8.1	Surface water flooding	Negligible (within 50m)				
Page	Section	Groundwater flooding >					
69 >	9.1 >	Groundwater flooding >	Low (within 50m)				
Page	Section	Environmental designations >	On site	0-50m	50-250m	250-500m	500-2000m
70	10.1	Sites of Special Scientific Interest (SSSI)	0	0	0	0	0
71	10.2	Conserved wetland sites (Ramsar sites)	0	0	0	0	0
71	10.3	Special Areas of Conservation (SAC)	0	0	0	0	0
71	10.4	Special Protection Areas (SPA)	0	0	0	0	0
71	10.5	National Nature Reserves (NNR)	0	0	0	0	0
72 >	10.6 >	Local Nature Reserves (LNR) >	0	0	0	0	4
72	10.7	Designated Ancient Woodland	0	0	0	0	0
72	10.8	Biosphere Reserves	0	0	0	0	0
73	10.9	Forest Parks	0	0	0	0	0
73	10.10	Marine Conservation Zones	0	0	0	0	0
73	10.11	Green Belt	0	0	0	0	0
73	10.12	Proposed Ramsar sites	0	0	0	0	0



73	10.13	Possible Special Areas of Conservation (pSAC)	0	0	0	0	0
74	10.14	Potential Special Protection Areas (pSPA)	0	0	0	0	0
74	10.15	Nitrate Sensitive Areas	0	0	0	0	0
74 >	10.16 >	Nitrate Vulnerable Zones >	2	0	0	0	0
75 >	10.17 >	SSSI Impact Risk Zones >	2	-	-	-	-
76	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
77	11.1	World Heritage Sites	0	0	0	-	-
77	11.2	Area of Outstanding Natural Beauty	0	0	0	-	-
77	11.3	National Parks	0	0	0	-	-
77	11.4	Listed Buildings	0	0	0	-	-
78	11.5	Conservation Areas	0	0	0	-	-
78	11.6	Scheduled Ancient Monuments	0	0	0	-	-
78	11.7	Registered Parks and Gardens	0	0	0	-	-
Page	Section	Agricultural designations >	On site	0-50m	50-250m	250-500m	500-2000m
79 >	12.1 >	Agricultural Land Classification >	Urban (within 250m)				
80	12.2	Open Access Land	0	0	0	-	-
80	12.3	Tree Felling Licences	0	0	0	-	-
80	12.4	Environmental Stewardship Schemes	0	0	0	-	-
80	12.5	Countryside Stewardship Schemes	0	0	0	-	-
Page	Section	Habitat designations	On site	0-50m	50-250m	250-500m	500-2000m
81	13.1	Priority Habitat Inventory	0	0	0	-	-
81	13.2	Habitat Networks	0	0	0	-	-
81	13.3	Open Mosaic Habitat	0	0	0	-	-
81	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
82 >	14.1 >	10k Availability >	Identified (within 500m)				
83 >	14.2 >	Artificial and made ground (10k) >	0	0	1	2	-
84 >	14.3 >	Superficial geology (10k) >	1	0	2	4	-



85	14.4	Landslip (10k)	0	0	0	0	-
86 >	14.5 >	Bedrock geology (10k) >	1	2	0	0	-
87	14.6	Bedrock faults and other linear features (10k)	0	0	0	0	-
Page	Section	Geology 1:50,000 scale >	On site	0-50m	50-250m	250-500m	500-2000m
88 >	15.1 >	50k Availability >	Identified (within 500m)				
89 >	15.2 >	Artificial and made ground (50k) >	0	0	0	2	-
90	15.3	Artificial ground permeability (50k)	0	0	-	-	-
91 >	15.4 >	Superficial geology (50k) >	1	0	2	4	-
92 >	15.5 >	Superficial permeability (50k) >	Identified (within 50m)				
92	15.6	Landslip (50k)	0	0	0	0	-
92	15.7	Landslip permeability (50k)	None (within 50m)				
93 >	15.8 >	Bedrock geology (50k) >	1	2	0	0	-
94 >	15.9 >	Bedrock permeability (50k) >	Identified (within 50m)				
94	15.10	Bedrock faults and other linear features (50k)	0	0	0	0	-
Page	Section	Boreholes >	On site	0-50m	50-250m	250-500m	500-2000m
95 >	16.1 >	BGS Boreholes >	0	0	3	-	-
Page	Section	Natural ground subsidence >					
97 >	17.1 >	Shrink swell clays >	Low (within 50m)				
98 >	17.2 >	Running sands >	Very low (within 50m)				
99 >	17.3 >	Compressible deposits >	Negligible (within 50m)				
100 >	17.4 >	Collapsible deposits >	Very low (within 50m)				
101 >	17.5 >	Landslides >	Very low (within 50m)				
102 >	17.6 >	Ground dissolution of soluble rocks >	Moderate (within 50m)				
Page	Section	Mining and ground workings >	On site	0-50m	50-250m	250-500m	500-2000m
104 >	18.1 >	BritPits >	0	1	3	5	-
106 >	18.2 >	Surface ground workings >	18	8	67	-	-
110	18.3	Underground workings	0	0	0	0	0
110	18.4	Underground mining extents	0	0	0	0	-
110 >	18.5 >	Historical Mineral Planning Areas >	0	0	0	1	-

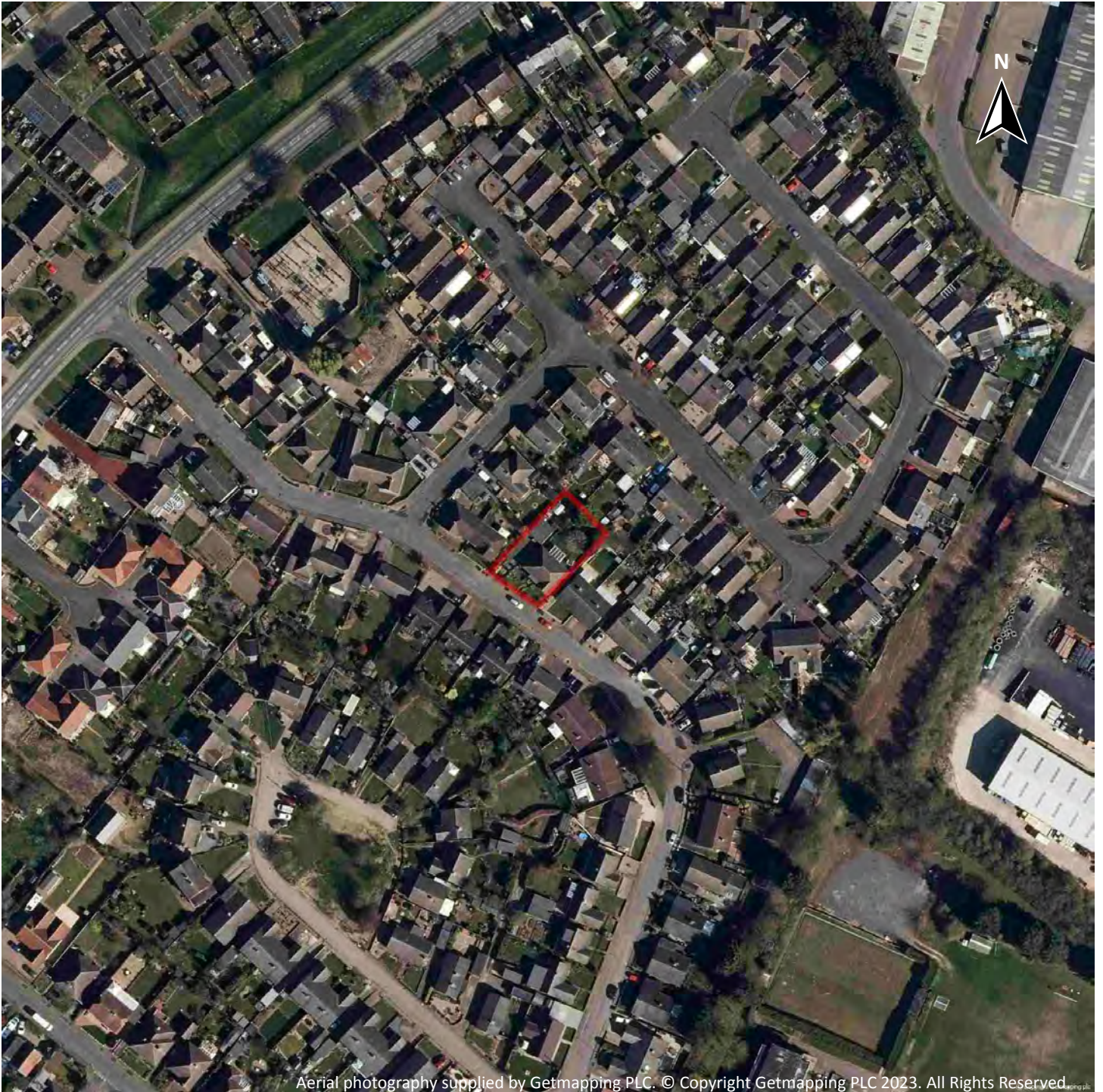


111 >	18.6 >	Non-coal mining >	1	1	0	0	7
112	18.7	JPB mining areas	None (within 0m)				
112	18.8	The Coal Authority non-coal mining	0	0	0	0	-
112	18.9	Researched mining	0	0	0	0	-
113	18.10	Mining record office plans	0	0	0	0	-
113	18.11	BGS mine plans	0	0	0	0	-
113	18.12	Coal mining	None (within 0m)				
113	18.13	Brine areas	None (within 0m)				
113	18.14	Gypsum areas	None (within 0m)				
114	18.15	Tin mining	None (within 0m)				
114	18.16	Clay mining	None (within 0m)				
Page	Section	Ground cavities and sinkholes >	On site	0-50m	50-250m	250-500m	500-2000m
115 >	19.1 >	Natural cavities >	0	0	0	1	-
116 >	19.2 >	Mining cavities >	1	0	0	1	8
117	19.3	Reported recent incidents	0	0	0	0	-
117	19.4	Historical incidents	0	0	0	0	-
117	19.5	National karst database	0	0	0	0	-
Page	Section	Radon >					
119 >	20.1 >	Radon >	Less than 1% (within 0m)				
Page	Section	Soil chemistry >	On site	0-50m	50-250m	250-500m	500-2000m
121 >	21.1 >	BGS Estimated Background Soil Chemistry >	2	3	-	-	-
121	21.2	BGS Estimated Urban Soil Chemistry	0	0	-	-	-
121	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
122	22.1	Underground railways (London)	0	0	0	-	-
122	22.2	Underground railways (Non-London)	0	0	0	-	-
123	22.3	Railway tunnels	0	0	0	-	-
123 >	22.4 >	Historical railway and tunnel features >	0	0	9	-	-
123	22.5	Royal Mail tunnels	0	0	0	-	-



124	22.6	Historical railways	0	0	0	-	-
124	22.7	Railways	0	0	0	-	-
124	22.8	Crossrail 1	0	0	0	0	-
124	22.9	Crossrail 2	0	0	0	0	-
124	22.10	HS2	0	0	0	0	-

Recent aerial photograph



Capture Date: 05/04/2020

Site Area: 0.06ha



Recent site history - 2017 aerial photograph



Capture Date: 09/04/2017

Site Area: 0.06ha



Recent site history - 2009 aerial photograph

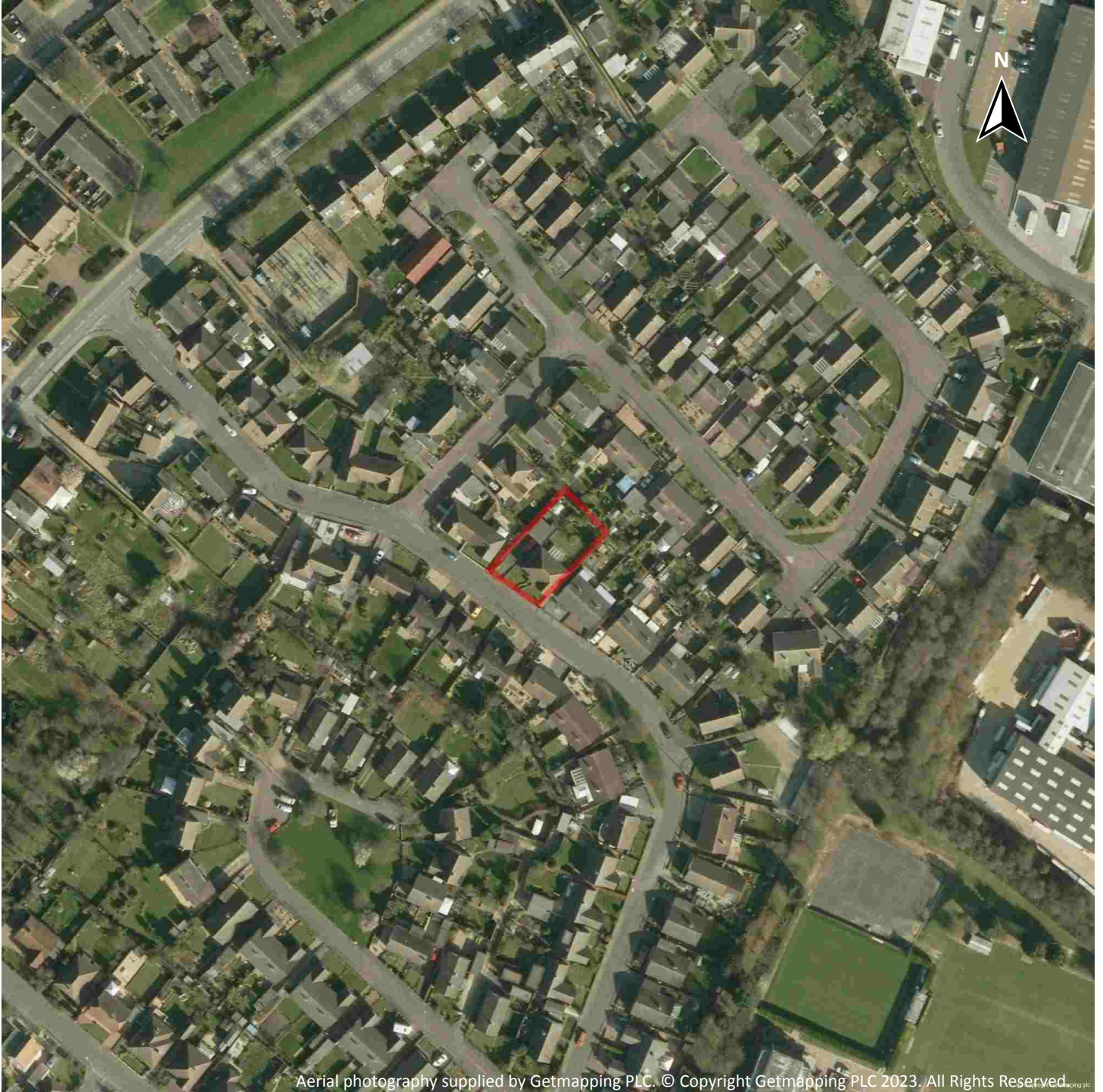


Capture Date: 24/05/2009

Site Area: 0.06ha



Recent site history - 2007 aerial photograph



Capture Date: 14/03/2007

Site Area: 0.06ha



Recent site history - 1999 aerial photograph



Capture Date: 04/05/1999

Site Area: 0.06ha



OS MasterMap site plan



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Site Area: 0.06ha



1 Past land use



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

1.1 Historical industrial land uses

Records within 500m **169**

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 15](#) >

ID	Location	Land use	Dates present	Group ID
A	On site	Unspecified Pits	1925 - 1928	2077135



ID	Location	Land use	Dates present	Group ID
A	On site	Unspecified Ground Workings	1899	2078858
A	On site	Brick Works	1938	2088776
A	On site	Unspecified Pit	1899	2090634
A	On site	Unspecified Pit	1938	2094842
A	On site	Unspecified Pits	1905	2098787
A	On site	Brick Works	1885	2101760
A	On site	Brick Works	1899 - 1928	2111330
A	On site	Unspecified Ground Workings	1885	2113293
A	20m SE	Gravel Pit	1958	2055924
A	42m W	Unspecified Pit	1885	2112385
A	43m W	Unspecified Pit	1899	2086005
A	44m W	Unspecified Pits	1928	2068197
A	46m W	Unspecified Pit	1925	2068898
A	48m W	Unspecified Pit	1899	2078881
B	57m NE	Brick Works	1905 - 1925	2114724
B	66m NE	Unspecified Pit	1958	2067592
B	67m NE	Brick Works	1938	2115955
B	67m NE	Brick Works	1928	2101309
C	71m W	Unspecified Pit	1925	2067504
C	74m NW	Unspecified Pit	1885	2113821
C	76m NW	Unspecified Pit	1899	2082955
C	76m NW	Unspecified Pit	1905	2079603
C	77m NW	Unspecified Pit	1928	2113161
D	87m E	Brick Works	1938	2122055
B	89m NE	Unspecified Kilns	1925	2085790
B	97m NE	Unspecified Kilns	1905	2111446
B	100m NE	Unspecified Pits	1928	2067298
B	101m NE	Unspecified Pit	1938	2098966



ID	Location	Land use	Dates present	Group ID
C	109m NW	Unspecified Kilns	1885	2057514
D	110m E	Unspecified Ground Workings	1938 - 1958	2090656
D	111m E	Timber Yard	1980 - 1992	2072270
B	112m N	Unspecified Ground Workings	1905 - 1925	2074324
D	114m E	Brick Works	1928	2066428
E	117m E	Industrial and Trading Estate	1992	2048486
B	117m N	Unspecified Pit	1938	2090557
B	117m NE	Unspecified Kilns	1905	2057515
B	118m N	Unspecified Pits	1928	2082594
B	126m NE	Unspecified Pit	1925	2116930
D	137m SE	Unspecified Pit	1905	2042308
D	137m SE	Brick Works	1899 - 1925	2065868
D	141m E	Sawmill	1971	2063711
D	150m E	Tramway Sidings	1928	2108897
D	152m SE	Tramway Sidings	1925	2071775
D	155m SE	Railway Sidings	1938	2062246
D	158m E	Tramway Sidings	1905	2118735
D	160m E	Unspecified Heaps	1925	2116494
D	162m E	Unspecified Heaps	1928 - 1938	2079526
D	163m E	Unspecified Heaps	1905	2083465
D	164m SE	Unspecified Heap	1928	2094567
2	169m NE	Unspecified Warehouse	1980 - 1989	2090521
D	178m E	Brick Works	1899	2109198
D	178m E	Clay Pits	1899	2119946
D	178m E	Clay Pits	1899	2102015
D	179m E	Clay Pits	1885	2123174
D	188m E	Tramway Sidings	1899	2116285
D	192m E	Tramway Sidings	1899	2086438



ID	Location	Land use	Dates present	Group ID
F	199m N	Unspecified Pit	1925	2115248
F	203m N	Old Clay Pit	1899	2115767
F	206m N	Unspecified Pit	1938	2067077
F	206m N	Old Clay Pit	1885	2069337
F	206m N	Gravel Pit	1958	2055923
F	207m N	Unspecified Pit	1928	2077068
G	208m S	Unspecified Works	1971	2082108
G	208m S	Unspecified Works	1980 - 1992	2102606
D	209m E	Unspecified Mill	1958	2056522
F	209m N	Old Clay Pit	1899	2090143
H	210m SW	Unspecified Works	1938	2090357
D	212m E	Unspecified Heap	1925	2067956
F	212m N	Unspecified Pit	1905	2121910
D	214m E	Unspecified Heap	1928	2089574
D	216m E	Unspecified Heap	1938	2105815
I	226m N	Unspecified Pit	1925 - 1928	2117571
I	230m N	Unspecified Pit	1938	2075427
I	234m N	Unspecified Pit	1905	2099469
D	235m E	Unspecified Pits	1925	2064007
D	237m E	Unspecified Pits	1928	2120994
D	239m E	Unspecified Pits	1938	2114134
D	240m E	Unspecified Pits	1905	2112964
E	241m E	Unspecified Warehouse	1980 - 1989	2120677
F	266m N	Unspecified Heap	1980 - 1992	2075697
F	266m N	Unspecified Heap	1971	2112962
D	269m SE	Unspecified Ground Workings	1938	2060722
H	277m SW	Chalk and Lime Works	1885	2049950
H	277m SW	Clay Pits	1885	2105835



ID	Location	Land use	Dates present	Group ID
H	277m SW	Clay Pits	1899 - 1905	2114354
H	277m SW	Clay Pits	1928	2104974
H	278m SW	Clay Pits	1938	2088249
H	280m SW	Clay Pits	1925	2114512
H	280m SW	Unspecified Works	1925	2120134
H	282m SW	Unspecified Works	1899	2086259
H	282m SW	Old Chalk Pit	1899	2115701
K	298m N	Cuttings	1971	2083901
K	298m N	Cuttings	1980 - 1992	2098758
H	306m SW	Unspecified Pit	1958	2042266
D	311m SE	Brick Works	1885	2108285
H	313m SW	Unspecified Pit	1958	2116955
L	323m W	Unspecified Tank	1938	2100075
L	324m W	Unspecified Tank	1928	2071565
L	324m W	Unspecified Tank	1905	2071814
D	325m E	Unspecified Kilns	1938	2111975
M	325m SE	Tramway Sidings	1928	2052213
H	328m SW	Old Chalk Pit	1885	2123429
H	329m SW	Isolation Hospital	1928 - 1938	2078747
H	329m SW	Unspecified Pit	1899	2065490
L	330m W	Unspecified Tank	1925	2044751
N	333m SE	Unspecified Works	1980 - 1992	2104090
H	335m SW	Old Chalk Pit	1899	2102147
O	341m N	Cuttings	1980 - 1992	2065613
O	341m N	Cuttings	1971	2075571
P	352m NE	Unspecified Works	1980 - 1989	2119882
Q	355m SW	Cemetery	1980 - 1992	2070209
Q	355m SW	Cemetery	1958 - 1971	2086735



ID	Location	Land use	Dates present	Group ID
Q	357m SW	Cemetery	1938	2122303
Q	358m SW	Cemetery	1928	2113232
N	359m SE	Builders Yard	1971	2053519
H	360m SW	Unspecified Quarry	1958	2053142
H	364m SW	Unspecified Disused Pit	1971	2043074
H	364m SW	Unspecified Depot	1980 - 1992	2073737
H	370m SW	Clay Pits	1899	2096780
D	375m SE	Unspecified Kiln	1885	2045859
D	376m SE	Unspecified Kilns	1928	2110365
D	377m SE	Unspecified Kilns	1905 - 1925	2123251
H	382m SW	Cuttings	1938	2121057
H	393m SW	Cuttings	1885	2090858
M	399m SE	Unspecified Works	1958	2075356
D	402m SE	Unspecified Kiln	1885	2045858
M	411m SE	Unspecified Works	1971	2067364
M	411m SE	Unspecified Works	1980 - 1989	2072721
H	418m SW	Chalk Pit	1885	2049611
Q	424m S	Cemetery	1899 - 1905	2109327
7	424m S	Cemetery	1899	2099079
Q	426m S	Cemetery	1885	2068253
H	429m SW	Lime Kiln	1938	2096967
H	429m SW	Lime Kiln	1885	2102184
H	430m SW	Lime Kiln	1905	2075762
H	430m SW	Lime Kiln	1925 - 1928	2084864
H	433m SW	Clay Pits	1899	2097423
Q	436m S	Cemetery	1925	2073707
S	437m S	Unspecified Works	1971	2089636
S	437m S	Unspecified Works	1980 - 1992	2102450



ID	Location	Land use	Dates present	Group ID
H	442m SW	Unspecified Quarries	1938	2062961
8	445m SE	Unspecified Factory	1980 - 1992	2110801
T	450m SE	Sand Pit	1928	2082726
T	453m SE	Sand Pit	1905	2086166
T	455m SE	Sand Pit	1938	2087725
U	456m NE	Unspecified Warehouse	1980 - 1992	2070003
T	460m SE	Sand Pit	1925	2082305
T	460m SE	Unspecified Pit	1958	2064175
T	472m SE	Sand Pits	1899	2114284
T	475m SE	Sand Pit	1885	2087751
V	479m W	Chalk Pit	1905	2104007
V	481m W	Unspecified Quarry	1885	2053141
V	481m W	Chalk Pit	1925	2077138
H	482m SW	Unspecified Works	1928	2064377
H	482m SW	Chalk Pit	1885	2049610
H	483m SW	Unspecified Works	1905	2073395
9	484m N	Cuttings	1980 - 1992	2088525
V	484m W	Chalk Pit	1899	2067155
W	485m S	Unspecified Pit	1928	2071116
W	485m S	Unspecified Pit	1905	2113492
H	486m SW	Unspecified Ground Workings	1905	2060723
H	490m SW	Lime Kilns	1885	2105274
X	490m S	Unspecified Depot	1980	2067703
X	492m S	Unspecified Depot	1989 - 1992	2092731
H	493m SW	Lime Kiln	1928 - 1938	2117170
W	493m S	Unspecified Pit	1925	2071821
H	494m SW	Lime Kilns	1905	2081879
V	497m W	Unspecified Kiln	1885	2045870

This data is sourced from Ordnance Survey / Groundsure.



1.2 Historical tanks

Records within 500m

22

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

Features are displayed on the Past land use map on [page 15 >](#)

ID	Location	Land use	Dates present	Group ID
A	On site	Unspecified Tank	1885 - 1926	353320
A	29m NW	Unspecified Tank	1885 - 1926	357182
A	33m NW	Unspecified Tank	1926	345538
A	33m SW	Unspecified Tank	1885 - 1926	351252
A	44m S	Unspecified Tank	1902	345540
A	49m SW	Unspecified Tank	1902	345539
A	72m S	Unspecified Tank	1902	345531
1	73m NE	Unspecified Tank	1902	345530
A	103m S	Unspecified Tank	1902	345541
B	131m NE	Unspecified Tank	1926	345529
D	251m SE	Tanks	1885	348827
D	282m SE	Unspecified Tank	1926	351221
D	284m SE	Unspecified Tank	1990	357736
L	329m W	Unspecified Tank	1902 - 1926	351498
D	340m SE	Unspecified Tank	1902	345528
R	399m S	Unspecified Tank	1969	345542
R	409m S	Tanks	1969	356522
R	410m S	Tanks	1990	352931
R	411m S	Unspecified Tanks	1993	349349
R	411m S	Tanks	1976	351312
P	421m NE	Unspecified Tank	1976 - 1990	355626



ID	Location	Land use	Dates present	Group ID
U	470m NE	Unspecified Tank	1990	345532

This data is sourced from Ordnance Survey / Groundsure.

1.3 Historical energy features

Records within 500m	28
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Energy features digitised from historical Ordnance Survey mapping at high-detail 1:1,250 and 1:2,500 scale, intelligently grouped into contiguous features. To prevent misrepresentation of the size of historical features at any given time, features are only grouped if they have similar geometries within immediately preceding or succeeding map editions. See section 2 for a breakdown of grouping if required. Grouped and the original ungrouped features can be cross-referenced across sections 1 and 2 using the 'Group ID'.

Features are displayed on the Past land use map on [page 15 >](#)

ID	Location	Land use	Dates present	Group ID
A	63m W	Electricity Substation	1993	229052
A	64m W	Electricity Substation	1976	229097
A	64m W	Electricity Substation	1985	229016
A	64m W	Electricity Substation	1981	229017
C	95m NW	Electricity Substation	1981 - 1985	236636
C	103m NW	Electricity Substation	1969	230287
C	105m NW	Electricity Substation	1976	230620
3	189m W	Electricity Substation	1976 - 1985	231335
J	246m S	Electricity Substation	1976 - 1993	229655
J	247m S	Electricity Substation	1969	235537
D	284m SE	Electricity Substation	1993	226466
D	314m SE	Electricity Substation	1969	229146
D	314m SE	Electricity Substation	1976 - 1993	240044
D	318m SE	Electricity Substation	1990	226467
H	364m SW	Electricity Substation	1994	235672
H	367m SW	Electricity Substation	1993	231325
H	381m SW	Electricity Substation	1976	233685



ID	Location	Land use	Dates present	Group ID
H	381m SW	Electricity Substation	1971	230875
H	382m SW	Electricity Substation	1990	234198
4	387m N	Electricity Substation	1976 - 1985	237805
5	392m N	Electricity Substation	1976 - 1985	229472
M	402m SE	Electricity Substation	1969	226462
M	405m SE	Electricity Substation	1976 - 1993	238703
P	418m NE	Electricity Substation	1976 - 1981	237620
6	421m E	Electricity Substation	1976 - 1990	239910
S	442m S	Electricity Substation	1993	226461
M	444m SE	Electricity Substations	1969	227239
M	444m SE	Electricity Substation	1976 - 1993	231100

This data is sourced from Ordnance Survey / Groundsure.

1.4 Historical petrol stations

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

This data is sourced from Ordnance Survey / Groundsure.

1.5 Historical garages

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

Features are displayed on the Past land use map on [page 15 >](#)



ID	Location	Land use	Dates present	Group ID
F	209m N	Garage	1985	69450

This data is sourced from Ordnance Survey / Groundsure.

1.6 Historical military land

Records within 500m

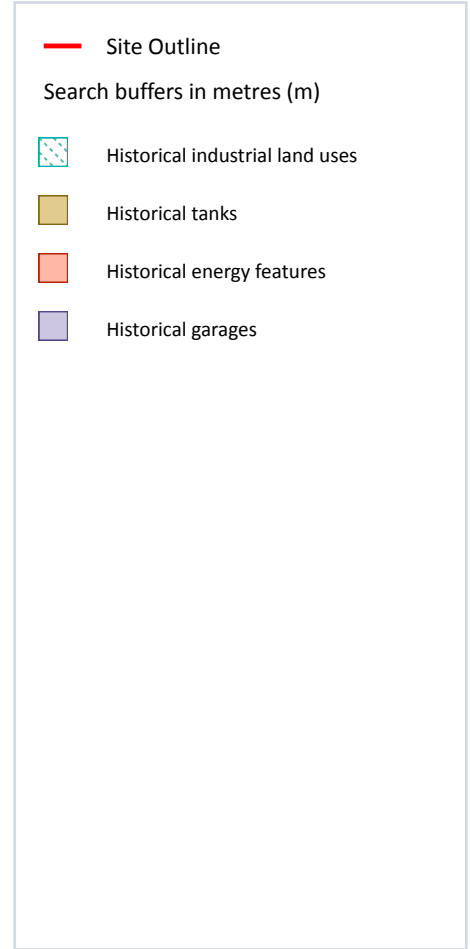
0

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



2.1 Historical industrial land uses

Records within 500m **243**

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 26](#) >

ID	Location	Land Use	Date	Group ID
A	On site	Unspecified Pits	1905	2098787
A	On site	Brick Works	1905	2111330
A	On site	Brick Works	1925	2111330

ID	Location	Land Use	Date	Group ID
A	On site	Unspecified Pits	1925	2077135
A	On site	Brick Works	1899	2111330
A	On site	Unspecified Ground Workings	1899	2078858
A	On site	Unspecified Pit	1938	2094842
A	On site	Brick Works	1938	2088776
A	On site	Brick Works	1885	2101760
A	On site	Unspecified Ground Workings	1885	2113293
A	On site	Brick Works	1928	2111330
A	On site	Unspecified Pits	1928	2077135
A	On site	Brick Works	1899	2111330
A	On site	Unspecified Pit	1899	2090634
A	On site	Brick Works	1928	2111330
A	On site	Unspecified Pits	1928	2077135
A	On site	Brick Works	1899	2111330
A	On site	Unspecified Pit	1899	2090634
A	20m SE	Gravel Pit	1958	2055924
A	42m W	Unspecified Pit	1885	2112385
A	43m W	Unspecified Pit	1899	2086005
A	43m W	Unspecified Pit	1899	2086005
A	44m W	Unspecified Pits	1928	2068197
A	44m W	Unspecified Pits	1928	2068197
A	46m W	Unspecified Pit	1925	2068898
A	48m W	Unspecified Pit	1899	2078881
B	57m NE	Brick Works	1925	2114724
B	66m NE	Unspecified Pit	1958	2067592
B	67m NE	Brick Works	1938	2115955
B	67m NE	Brick Works	1905	2114724
B	67m NE	Brick Works	1928	2101309



ID	Location	Land Use	Date	Group ID
B	67m NE	Brick Works	1928	2101309
C	71m W	Unspecified Pit	1925	2067504
C	74m NW	Unspecified Pit	1885	2113821
C	76m NW	Unspecified Pit	1899	2082955
C	76m NW	Unspecified Pit	1899	2082955
C	76m NW	Unspecified Pit	1905	2079603
C	77m NW	Unspecified Pit	1899	2082955
C	77m NW	Unspecified Pit	1928	2113161
C	77m NW	Unspecified Pit	1928	2113161
D	87m E	Brick Works	1938	2122055
B	89m NE	Unspecified Kilns	1925	2085790
B	97m NE	Unspecified Kilns	1905	2111446
B	100m NE	Unspecified Pits	1928	2067298
B	100m NE	Unspecified Pits	1928	2067298
B	101m NE	Unspecified Pit	1938	2098966
C	109m NW	Unspecified Kilns	1885	2057514
D	110m E	Unspecified Ground Workings	1958	2090656
D	111m E	Timber Yard	1992	2072270
D	111m E	Timber Yard	1989	2072270
D	111m E	Timber Yard	1980	2072270
B	112m N	Unspecified Ground Workings	1925	2074324
D	114m E	Brick Works	1928	2066428
D	114m E	Brick Works	1928	2066428
D	114m E	Unspecified Ground Workings	1938	2090656
E	117m E	Industrial and Trading Estate	1992	2048486
B	117m N	Unspecified Pit	1938	2090557
B	117m NE	Unspecified Kilns	1905	2057515
B	118m N	Unspecified Pits	1928	2082594



ID	Location	Land Use	Date	Group ID
B	118m N	Unspecified Pits	1928	2082594
B	121m N	Unspecified Ground Workings	1905	2074324
B	126m NE	Unspecified Pit	1925	2116930
D	137m SE	Unspecified Pit	1905	2042308
D	137m SE	Brick Works	1905	2065868
D	140m E	Brick Works	1925	2065868
D	141m E	Sawmill	1971	2063711
D	150m E	Tramway Sidings	1928	2108897
D	152m SE	Tramway Sidings	1925	2071775
D	155m SE	Railway Sidings	1938	2062246
D	158m E	Tramway Sidings	1905	2118735
D	160m E	Unspecified Heaps	1925	2116494
D	162m E	Unspecified Heaps	1928	2079526
D	162m E	Unspecified Heaps	1928	2079526
D	162m E	Unspecified Heaps	1938	2079526
D	163m E	Unspecified Heaps	1905	2083465
D	164m SE	Unspecified Heap	1928	2094567
D	164m SE	Unspecified Heap	1928	2094567
F	169m NE	Unspecified Warehouse	1989	2090521
F	169m NE	Unspecified Warehouse	1980	2090521
D	178m E	Brick Works	1899	2109198
D	178m E	Clay Pits	1899	2119946
D	178m E	Brick Works	1899	2065868
D	178m E	Clay Pits	1899	2102015
D	178m E	Brick Works	1899	2065868
D	179m E	Clay Pits	1885	2123174
D	188m E	Tramway Sidings	1899	2116285
D	192m E	Tramway Sidings	1899	2086438



ID	Location	Land Use	Date	Group ID
H	199m N	Unspecified Pit	1925	2115248
H	203m N	Old Clay Pit	1899	2115767
H	206m N	Old Clay Pit	1885	2069337
H	206m N	Unspecified Pit	1938	2067077
H	206m N	Gravel Pit	1958	2055923
H	207m N	Unspecified Pit	1928	2077068
H	207m N	Unspecified Pit	1928	2077068
I	208m S	Unspecified Works	1992	2102606
I	208m S	Unspecified Works	1989	2102606
I	208m S	Unspecified Works	1980	2102606
I	208m S	Unspecified Works	1971	2082108
D	209m E	Unspecified Mill	1958	2056522
H	209m N	Old Clay Pit	1899	2090143
J	210m SW	Unspecified Works	1938	2090357
D	212m E	Unspecified Heap	1925	2067956
H	212m N	Unspecified Pit	1905	2121910
D	214m E	Unspecified Heap	1928	2089574
D	214m E	Unspecified Heap	1928	2089574
D	216m E	Unspecified Heap	1938	2105815
K	226m N	Unspecified Pit	1925	2117571
K	230m N	Unspecified Pit	1938	2075427
K	231m N	Unspecified Pit	1928	2117571
K	231m N	Unspecified Pit	1928	2117571
K	234m N	Unspecified Pit	1905	2099469
D	235m E	Unspecified Pits	1925	2064007
D	237m E	Unspecified Pits	1928	2120994
D	237m E	Unspecified Pits	1928	2120994
D	239m E	Unspecified Pits	1938	2114134



ID	Location	Land Use	Date	Group ID
D	240m E	Unspecified Pits	1905	2112964
E	241m E	Unspecified Warehouse	1989	2120677
E	241m E	Unspecified Warehouse	1980	2120677
H	266m N	Unspecified Heap	1992	2075697
H	266m N	Unspecified Heap	1989	2075697
H	266m N	Unspecified Heap	1980	2075697
H	266m N	Unspecified Heap	1971	2112962
D	269m SE	Unspecified Ground Workings	1938	2060722
J	277m SW	Clay Pits	1885	2105835
J	277m SW	Chalk and Lime Works	1885	2049950
J	277m SW	Clay Pits	1905	2114354
J	277m SW	Clay Pits	1928	2104974
J	278m SW	Clay Pits	1938	2088249
J	280m SW	Unspecified Works	1925	2120134
J	280m SW	Clay Pits	1925	2114512
J	282m SW	Unspecified Works	1899	2086259
J	282m SW	Old Chalk Pit	1899	2115701
J	287m SW	Unspecified Works	1899	2086259
J	287m SW	Clay Pits	1899	2114354
M	298m N	Cuttings	1992	2098758
M	298m N	Cuttings	1989	2098758
M	298m N	Cuttings	1980	2098758
M	298m N	Cuttings	1971	2083901
J	306m SW	Unspecified Pit	1958	2042266
D	311m SE	Brick Works	1885	2108285
J	313m SW	Unspecified Pit	1958	2116955
N	323m W	Unspecified Tank	1938	2100075
N	324m W	Unspecified Tank	1928	2071565



ID	Location	Land Use	Date	Group ID
N	324m W	Unspecified Tank	1905	2071814
D	325m E	Unspecified Kilns	1938	2111975
O	325m SE	Tramway Sidings	1928	2052213
J	328m SW	Old Chalk Pit	1885	2123429
J	329m SW	Isolation Hospital	1928	2078747
J	329m SW	Unspecified Pit	1899	2065490
J	329m SW	Unspecified Pit	1899	2065490
N	330m W	Unspecified Tank	1925	2044751
J	333m SW	Isolation Hospital	1938	2078747
P	333m SE	Unspecified Works	1992	2104090
P	333m SE	Unspecified Works	1989	2104090
P	333m SE	Unspecified Works	1980	2104090
J	335m SW	Old Chalk Pit	1899	2102147
Q	341m N	Cuttings	1992	2065613
Q	341m N	Cuttings	1989	2065613
Q	341m N	Cuttings	1980	2065613
Q	341m N	Cuttings	1971	2075571
R	352m NE	Unspecified Works	1989	2119882
R	352m NE	Unspecified Works	1980	2119882
S	355m SW	Cemetery	1992	2070209
S	355m SW	Cemetery	1989	2070209
S	355m SW	Cemetery	1980	2070209
S	355m SW	Cemetery	1971	2086735
S	355m SW	Cemetery	1958	2086735
S	357m SW	Cemetery	1938	2122303
S	358m SW	Cemetery	1928	2113232
P	359m SE	Builders Yard	1971	2053519
J	360m SW	Unspecified Quarry	1958	2053142



ID	Location	Land Use	Date	Group ID
J	364m SW	Unspecified Depot	1992	2073737
J	364m SW	Unspecified Depot	1989	2073737
J	364m SW	Unspecified Depot	1980	2073737
J	364m SW	Unspecified Disused Pit	1971	2043074
J	370m SW	Clay Pits	1899	2096780
D	375m SE	Unspecified Kiln	1885	2045859
D	376m SE	Unspecified Kilns	1928	2110365
D	377m SE	Unspecified Kilns	1925	2123251
J	382m SW	Cuttings	1938	2121057
D	387m SE	Unspecified Kilns	1905	2123251
J	393m SW	Cuttings	1885	2090858
O	399m SE	Unspecified Works	1958	2075356
D	402m SE	Unspecified Kiln	1885	2045858
O	411m SE	Unspecified Works	1989	2072721
O	411m SE	Unspecified Works	1980	2072721
O	411m SE	Unspecified Works	1971	2067364
J	418m SW	Chalk Pit	1885	2049611
S	424m S	Cemetery	1905	2109327
2	424m S	Cemetery	1899	2099079
S	426m S	Cemetery	1885	2068253
J	429m SW	Lime Kiln	1938	2096967
J	429m SW	Lime Kiln	1885	2102184
S	430m S	Cemetery	1899	2109327
J	430m SW	Lime Kiln	1905	2075762
J	430m SW	Lime Kiln	1928	2084864
J	433m SW	Clay Pits	1899	2097423
S	436m S	Cemetery	1925	2073707
X	437m S	Unspecified Works	1992	2102450



ID	Location	Land Use	Date	Group ID
X	437m S	Unspecified Works	1989	2102450
X	437m S	Unspecified Works	1980	2102450
X	437m S	Unspecified Works	1971	2089636
J	437m SW	Lime Kiln	1925	2084864
J	442m SW	Unspecified Quarries	1938	2062961
Y	445m SE	Unspecified Factory	1992	2110801
Y	445m SE	Unspecified Factory	1989	2110801
Y	445m SE	Unspecified Factory	1980	2110801
Z	450m SE	Sand Pit	1928	2082726
Z	453m SE	Sand Pit	1905	2086166
Z	455m SE	Sand Pit	1938	2087725
AA	456m NE	Unspecified Warehouse	1992	2070003
AA	456m NE	Unspecified Warehouse	1989	2070003
AA	456m NE	Unspecified Warehouse	1980	2070003
Z	460m SE	Sand Pit	1925	2082305
Z	460m SE	Unspecified Pit	1958	2064175
Z	472m SE	Sand Pits	1899	2114284
Z	475m SE	Sand Pits	1899	2114284
Z	475m SE	Sand Pit	1885	2087751
AB	479m W	Chalk Pit	1905	2104007
AB	481m W	Unspecified Quarry	1885	2053141
AB	481m W	Chalk Pit	1925	2077138
J	482m SW	Unspecified Works	1928	2064377
J	482m SW	Chalk Pit	1885	2049610
J	483m SW	Unspecified Works	1905	2073395
AC	484m N	Cuttings	1992	2088525
AC	484m N	Cuttings	1989	2088525
AC	484m N	Cuttings	1980	2088525



ID	Location	Land Use	Date	Group ID
AB	484m W	Chalk Pit	1899	2067155
AD	485m S	Unspecified Pit	1928	2071116
AD	485m S	Unspecified Pit	1928	2071116
AD	485m S	Unspecified Pit	1905	2113492
J	486m SW	Unspecified Ground Workings	1905	2060723
S	486m S	Cemetery	1925	2073707
AB	487m W	Chalk Pit	1899	2067155
J	490m SW	Lime Kilns	1885	2105274
AE	490m S	Unspecified Depot	1980	2067703
AE	492m S	Unspecified Depot	1992	2092731
AE	492m S	Unspecified Depot	1989	2092731
J	493m SW	Lime Kiln	1938	2117170
AD	493m S	Unspecified Pit	1925	2071821
J	493m SW	Lime Kiln	1928	2117170
J	494m SW	Lime Kilns	1905	2081879
AB	497m W	Unspecified Kiln	1885	2045870

This data is sourced from Ordnance Survey / Groundsure.

2.2 Historical tanks

Records within 500m

28

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 26 >](#)

ID	Location	Land Use	Date	Group ID
A	On site	Unspecified Tank	1926	353320
A	On site	Unspecified Tank	1885	353320
A	29m NW	Unspecified Tank	1926	357182
A	29m NW	Unspecified Tank	1885	357182



ID	Location	Land Use	Date	Group ID
A	33m NW	Unspecified Tank	1926	345538
A	33m SW	Unspecified Tank	1926	351252
A	33m SW	Unspecified Tank	1885	351252
A	44m S	Unspecified Tank	1902	345540
A	49m SW	Unspecified Tank	1902	345539
A	72m S	Unspecified Tank	1902	345531
1	73m NE	Unspecified Tank	1902	345530
A	103m S	Unspecified Tank	1902	345541
B	131m NE	Unspecified Tank	1926	345529
D	251m SE	Tanks	1885	348827
D	282m SE	Unspecified Tank	1926	351221
D	284m SE	Unspecified Tank	1990	357736
N	329m W	Unspecified Tank	1926	351498
N	329m W	Unspecified Tank	1902	351498
D	340m SE	Unspecified Tank	1902	345528
V	399m S	Unspecified Tank	1969	345542
V	409m S	Tanks	1969	356522
V	410m S	Tanks	1990	352931
V	411m S	Unspecified Tanks	1993	349349
V	411m S	Tanks	1976	351312
R	421m NE	Unspecified Tank	1976	355626
R	422m NE	Unspecified Tank	1981	355626
R	422m NE	Unspecified Tank	1990	355626
AA	470m NE	Unspecified Tank	1990	345532

This data is sourced from Ordnance Survey / Groundsure.



2.3 Historical energy features

Records within 500m

46

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 26 >](#)

ID	Location	Land Use	Date	Group ID
A	63m W	Electricity Substation	1993	229052
A	64m W	Electricity Substation	1976	229097
A	64m W	Electricity Substation	1981	229017
A	64m W	Electricity Substation	1985	229016
C	95m NW	Electricity Substation	1981	236636
C	95m NW	Electricity Substation	1985	236636
C	103m NW	Electricity Substation	1969	230287
C	105m NW	Electricity Substation	1976	230620
G	189m W	Electricity Substation	1981	231335
G	189m W	Electricity Substation	1985	231335
G	190m W	Electricity Substation	1976	231335
L	246m S	Electricity Substation	1993	229655
L	246m S	Electricity Substation	1976	229655
L	247m S	Electricity Substation	1969	235537
L	247m S	Electricity Substation	1990	229655
D	284m SE	Electricity Substation	1993	226466
D	314m SE	Electricity Substation	1969	229146
D	314m SE	Electricity Substation	1993	240044
D	314m SE	Electricity Substation	1976	240044
D	318m SE	Electricity Substation	1990	226467
J	364m SW	Electricity Substation	1994	235672
J	365m SW	Electricity Substation	1994	235672
J	367m SW	Electricity Substation	1993	231325



ID	Location	Land Use	Date	Group ID
J	381m SW	Electricity Substation	1976	233685
J	381m SW	Electricity Substation	1971	230875
J	382m SW	Electricity Substation	1990	234198
T	387m N	Electricity Substation	1976	237805
T	388m N	Electricity Substation	1981	237805
T	388m N	Electricity Substation	1985	237805
U	392m N	Electricity Substation	1976	229472
U	392m N	Electricity Substation	1981	229472
U	392m N	Electricity Substation	1985	229472
O	402m SE	Electricity Substation	1969	226462
O	405m SE	Electricity Substation	1993	238703
O	405m SE	Electricity Substation	1990	238703
O	407m SE	Electricity Substation	1976	238703
R	418m NE	Electricity Substation	1976	237620
R	419m NE	Electricity Substation	1981	237620
W	421m E	Electricity Substation	1981	239910
W	421m E	Electricity Substation	1990	239910
W	421m E	Electricity Substation	1976	239910
X	442m S	Electricity Substation	1993	226461
O	444m SE	Electricity Substations	1969	227239
O	444m SE	Electricity Substation	1990	231100
O	444m SE	Electricity Substation	1993	231100
O	445m SE	Electricity Substation	1976	231100

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

1

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

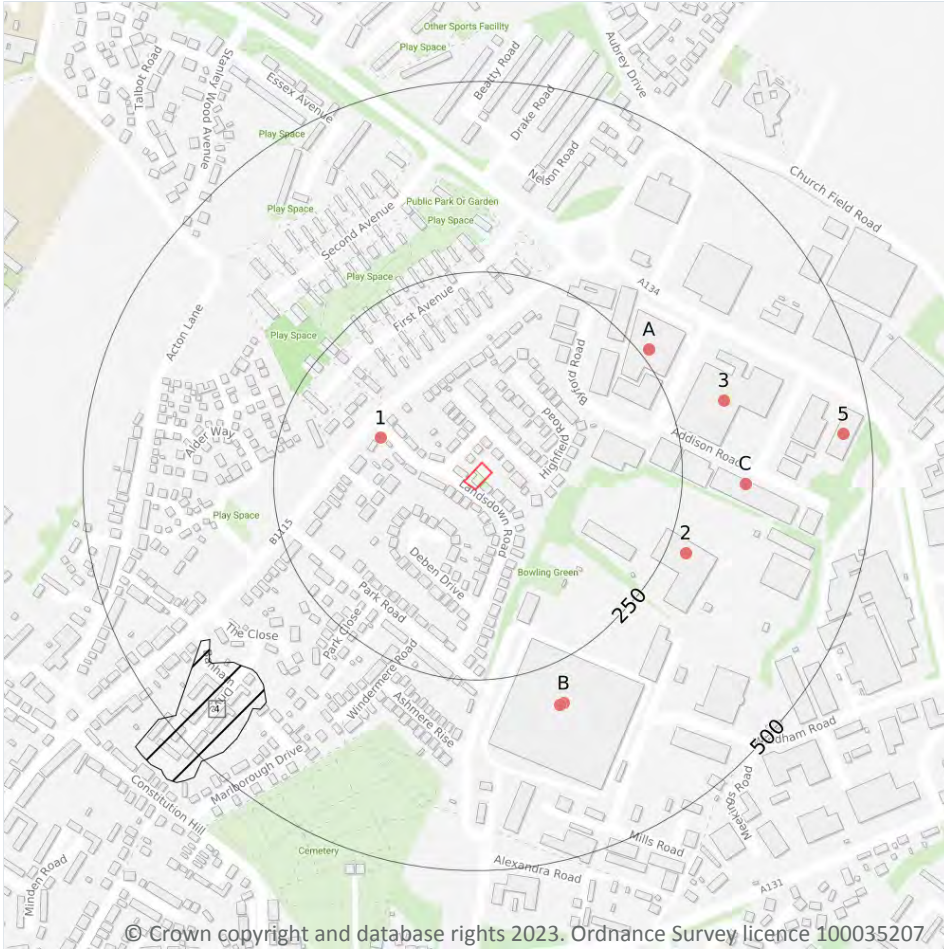
Features are displayed on the Past land use - un-grouped map on [page 26 >](#)

ID	Location	Land Use	Date	Group ID
H	209m N	Garage	1985	69450

This data is sourced from Ordnance Survey / Groundsure.



3 Waste and landfill



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

1

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

Features are displayed on the Waste and landfill map on [page 40 >](#)

ID	Location	Details		
4	370m SW	Site Address: Waldingfield Road, Waldingfield Road, Sudbury Licence Holder Address: Lynns Hall Pit, Edwardstone, Suffolk	Waste Licence: Yes Site Reference: 907/01/11/04, FSB 3 Waste Type: Inert, Industrial, Commercial Environmental Permitting Regulations (Waste) Reference: - Licence Issue: 31/12/1977 Licence Surrender: 31/12/1987	Operator: Edwardstone Aggregates and Surfacing Company Limited Licence Holder: Edwardstone Aggregates and Surfacing Company Limited First Recorded 31/12/1935 Last Recorded: 31/12/1987

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

10

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.

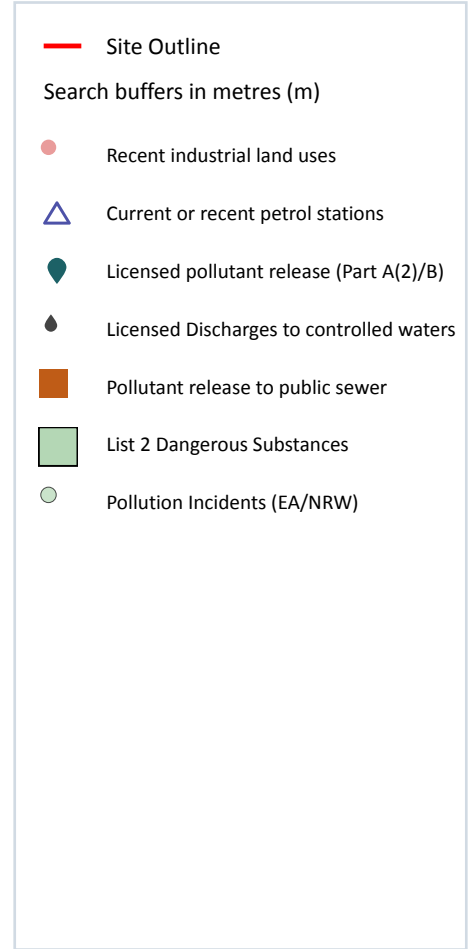
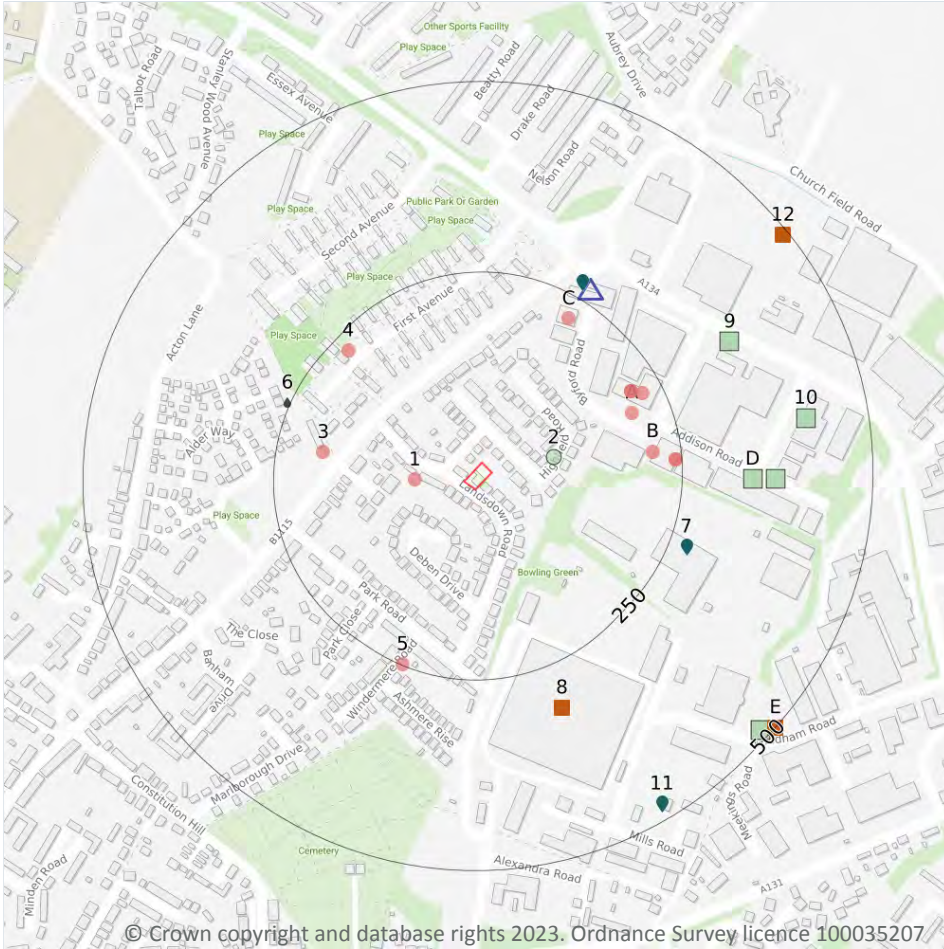
Features are displayed on the Waste and landfill map on [page 40 >](#)

ID	Location	Site	Reference	Category	Sub-Category	Description
1	124m W	Chilton Place (Anderson Construction Site), Waldingfield Road, Sudbury, Suffolk, CO10 2PZ	WEX303576	Using waste exemption	Not on a Farm	Use of waste in construction
A	261m NE	-	WEX269798	Storing waste exemption	Not on a farm	Storage of waste in a secure place
A	261m NE	-	WEX269798	Storing waste exemption	Not on a farm	Storage of waste in secure containers
2	275m E	Ridgeons Ltd Alexandra Road SUDBURY Suffolk CO10 2XH	EPR/ZE5955RC /A001	Storing waste exemption	Non-Agricultural Waste Only	Storage of waste in a secure place
B	304m S	DELPHI DIESEL SYSTEMS LIMITED Newton Road SUDBURY Suffolk CO10 2RR	EPR/CE5981ZV /A001	Treating waste exemption	Non-Agricultural Waste Only	Treatment of waste aerosol cans
B	304m S	NEWTON ROAD, SUDBURY, CO10 2RR	WEX066360	Treating waste exemption	Not on a farm	Treatment of waste aerosol cans
3	318m E	ADDISON ROAD, SUDBURY, CO10 2YW	WEX285328	Treating waste exemption	Not on a farm	Manual treatment of waste
C	332m E	LAURENCE WALTER HOUSE, ADDISON ROAD, CHILTON INDUSTRIAL ESTATE, SUDBURY, CO10 2YW	WEX129554	Storing waste exemption	Not on a farm	Storage of waste in secure containers
C	332m E	LAURENCE WALTER HOUSE, ADDISON ROAD, CHILTON INDUSTRIAL ESTATE, SUDBURY, CO10 2YW	WEX129554	Storing waste exemption	Not on a farm	Storage of waste in a secure place
5	464m E	Sudbury Community Hub Northern Road SUDBURY Suffolk CO10 2XQ	EPR/TF0505H M/A001	Treating waste exemption	Non-Agricultural Waste Only	Crushing waste fluorescent tubes

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



4 Current industrial land use



4.1 Recent industrial land uses

Records within 250m

12

Current potentially contaminative industrial sites.

Features are displayed on the Current industrial land use map on [page 43 >](#)

ID	Location	Company	Address	Activity	Category
1	65m W	Electricity Sub Station	Suffolk, CO10	Electrical Features	Infrastructure and Facilities
3	189m W	Electricity Sub Station	Suffolk, CO10	Electrical Features	Infrastructure and Facilities

ID	Location	Company	Address	Activity	Category
A	200m NE	Chilton Industrial Estate	Suffolk, CO10	Business Parks and Industrial Estates	Industrial Features
A	212m NE	C Rayment	-, Addison Road, Sudbury, Suffolk, CO10 2YW	Precision Engineers	Engineering Services
A	212m NE	A & B Glass	3, Addison Road, Chilton Industrial Estate, Sudbury, Suffolk, CO10 2YW	Glass	Industrial Products
B	213m E	Electricity Sub Station	Suffolk, CO10	Electrical Features	Infrastructure and Facilities
C	221m NE	Premier Barrett Lee Convenience Store	Unit 4, Byford Road, Chilton Industrial Estate, Sudbury, Suffolk, CO10 2YG	Vehicle Repair, Testing and Servicing	Repair and Servicing
A	223m NE	Works	Suffolk, CO10	Unspecified Works Or Factories	Industrial Features
4	229m NW	Electricity Sub Station	Suffolk, CO10	Electrical Features	Infrastructure and Facilities
B	241m E	Pan Anglia	Units 15-17 and 19-20, Addison Road, Chilton Industrial Estate, Sudbury, Suffolk, CO10 2YW	Agricultural Machinery and Goods	Industrial Products
B	241m E	Phoenix Agricultural	Units 15-17 and 19-20, Addison Road, Chilton Industrial Estate, Sudbury, Suffolk, CO10 2YW	Agricultural Contractors	Contract Services
5	248m S	Electricity Sub Station	Suffolk, CO10	Electrical Features	Infrastructure and Facilities

This data is sourced from Ordnance Survey.

4.2 Current or recent petrol stations

Records within 500m

1

Open, closed, under development and obsolete petrol stations.

Features are displayed on the Current industrial land use map on [page 43 >](#)

ID	Location	Company	Address	LPG	Status
C	268m NE	BP	22, Northern Road, Waldingfield Road, Sudbury, Suffolk, CO10 2XQ	No	Open

This data is sourced from Experian.



4.3 Electricity cables

Records within 500m	0
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High voltage underground electricity transmission cables.

This data is sourced from National Grid.

4.4 Gas pipelines

Records within 500m	0
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High pressure underground gas transmission pipelines.

This data is sourced from National Grid.

4.5 Sites determined as Contaminated Land

Records within 500m	0
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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	0
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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.

This data is sourced from the Health and Safety Executive.

4.7 Regulated explosive sites

Records within 500m	0
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Sites registered and licensed by the Health and Safety Executive under the Manufacture and Storage of Explosives Regulations 2005 (MSER). The last update to this data was in April 2011.

This data is sourced from the Health and Safety Executive.



4.8 Hazardous substance storage/usage

Records within 500m

0

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

This data is sourced from Local Authority records.

4.9 Historical licensed industrial activities (IPC)

Records within 500m

0

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

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

4.10 Licensed industrial activities (Part A(1))

Records within 500m

0

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

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

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

Records within 500m

3

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 43 >](#)

ID	Location	Address	Details	
C	270m NE	Karan Retail Ltd, Sudbury Service Station, Byford Road, Sudbury, Suffolk, CO10 2XQ	Process: Unloading of Petrol into Storage at Service Stations Status: Current Permit Permit Type: Part B	Enforcement: No Enforcements Notified Date of enforcement: No Enforcements Notified Comment: No Enforcements Notified
7	272m E	Ridgeons Ltd, Chilton Industrial Estate, Sudbury, CO10 2XH	Process: Timber Manufacture; Sawmill Status: Historical Permit Permit Type: Part B	Enforcement: No Enforcements Notified Date of enforcement: No Enforcements Notified Comment: No Enforcements Notified



ID	Location	Address	Details	
11	478m SE	Wheelers Ltd, Sudbury, Suffolk, CO10 2XA	Process: timber process Status: Historical 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
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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	1
----------------------------	----------

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

Features are displayed on the Current industrial land use map on [page 43 >](#)

ID	Location	Address	Details	
6	253m W	SPRINGFIELD ESTATE, SUDBURY, SUFFOLK	Effluent Type: MISCELLANEOUS DISCHARGES - SURFACE WATER Permit Number: PR2NFE16168 Permit Version: 1 Receiving Water: Trib River Stour	Status: PRE NRA LEGISLATION WHERE ISSUE DATE 01-SEP-89 (HISTORIC ONLY) Issue date: 18/11/1968 Effective Date: 18/11/1968 Revocation Date: 12/02/1992

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

3

Discharges of Special Category Effluents to the public sewer.

Features are displayed on the Current industrial land use map on [page 43 >](#)

ID	Location	Address	Details	
8	307m S	DELPHI DIESEL SYSTEMS LTD, NEWTON ROAD, NEWTON ROAD, SUDBURY, SUFFOLK, CO10 2RR	Permission reference: BL8821 Local Authority: BABERGH DISTRICT COUNCIL First received date: 01/06/2003	Last received date: 01/01/2018 Status: DEAD (APPLICATION)
12	493m NE	JCS HI-TORQUE LTD, CHILTERN INDUSTRIAL ESTATE, CHILTERN IND EST, SUDBURY, SUFFOLK, CO10 2YH	Permission reference: BK6904 Local Authority: BABERGH DISTRICT COUNCIL First received date: 01/06/2001	Last received date: 01/01/2018 Status: DEAD (APPLICATION)
E	500m SE	DICE AND GAMES LTD, MEEKINGS ROAD, CHILTON INDUSTRIAL ESTATE, MEEKINGS ROAD, SUDBURY, SUFFOLK, CO10 2XE	Permission reference: BU4236 Local Authority: BABERGH DISTRICT COUNCIL First received date: 01/06/2003	Last received date: 01/01/2018 Status: DEAD (APPLICATION)

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

7

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.

Features are displayed on the Current industrial land use map on [page 43 >](#)

ID	Location	Name	Status	Receiving Water	Authorised Substances
D	342m E	Traction Batteries (south East)	Not Active	Na	pH
9	356m NE	Loni Hand Car Wash	Not Active	Na	pH



ID	Location	Name	Status	Receiving Water	Authorised Substances
D	372m E	W Attwood Limited	Not Active	Na	pH
10	418m E	Barrett-lee	Not Active	Na	pH
E	488m SE	Antec International Ltd	Active	Na	pH
E	488m SE	Antec International Limited	Not Active	Na	pH
E	488m SE	Antec International Limited	Not Active	Na	pH

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

4.18 Pollution Incidents (EA/NRW)

Records within 500m

1

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 43 >](#)

ID	Location	Details	
2	83m E	Incident Date: 01/08/2014 Incident Identification: 1263946 Pollutant: Atmospheric Pollutants and Effects Pollutant Description: Other Odour	Water Impact: Category 4 (No Impact) Land Impact: Category 4 (No Impact) Air Impact: Category 2 (Significant)

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

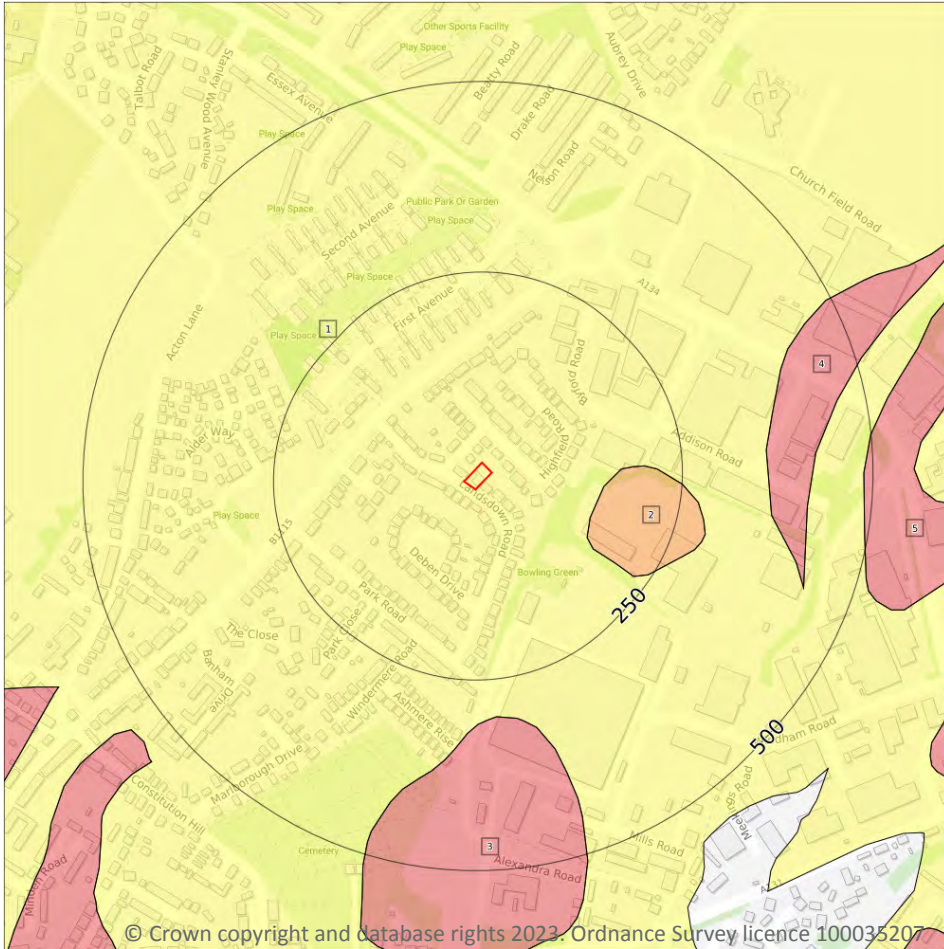
0

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



5.1 Superficial aquifer

Records within 500m

5

Aquifer status of groundwater held within superficial geology.

Features are displayed on the Hydrogeology map on [page 51](#) >

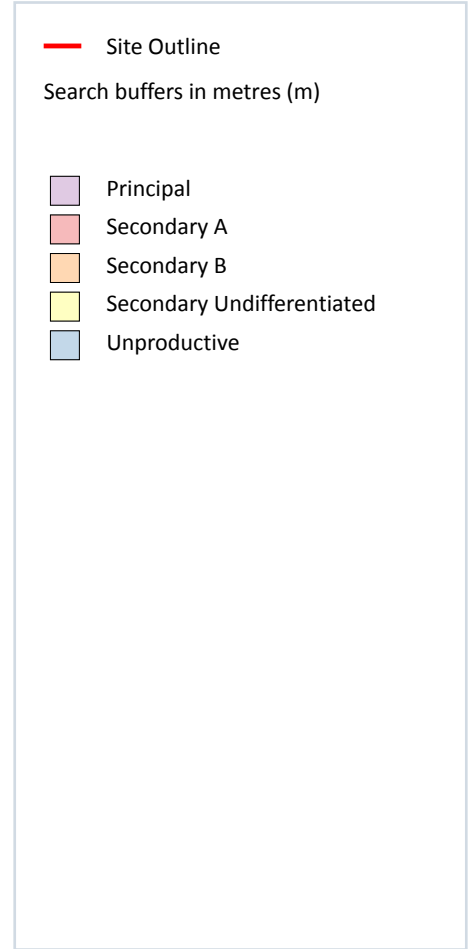
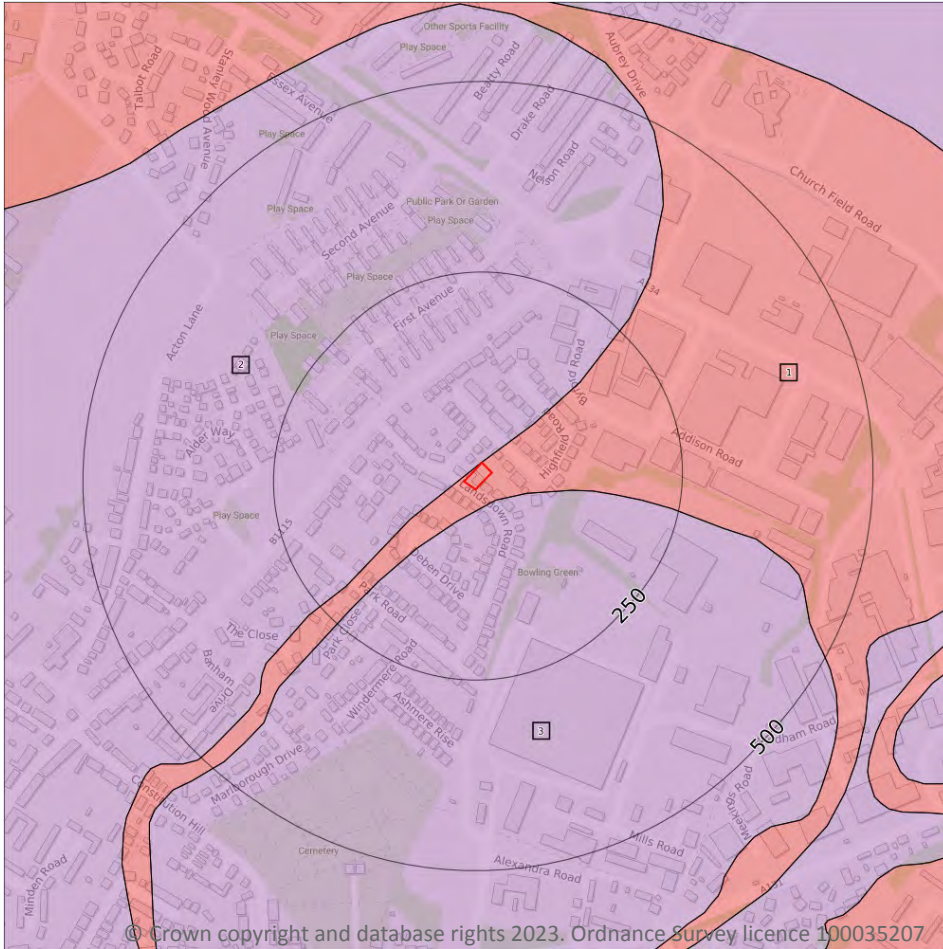
ID	Location	Designation	Description
1	On site	Secondary Undifferentiated	Assigned where it is not possible to attribute either category A or B to a rock type. In general these layers have previously been designated as both minor and non-aquifer in different locations due to the variable characteristics of the rock type
2	142m E	Secondary B	Predominantly lower permeability layers which may store/yield limited amounts of groundwater due to localised features such as fissures, thin permeable horizons and weathering. These are generally the water-bearing parts of the former non-aquifers

ID	Location	Designation	Description
3	299m S	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	361m E	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
5	488m E	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



5.2 Bedrock aquifer

Records within 500m

3

Aquifer status of groundwater held within bedrock geology.

Features are displayed on the Bedrock aquifer map on [page 53](#) >

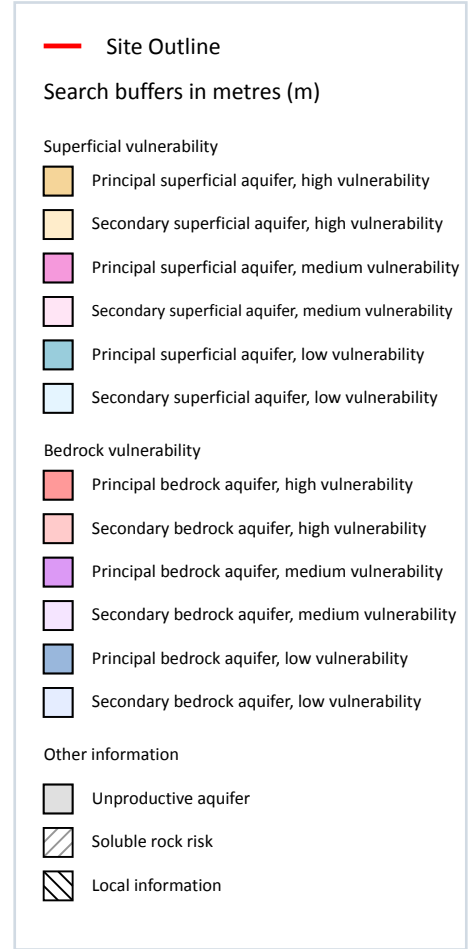
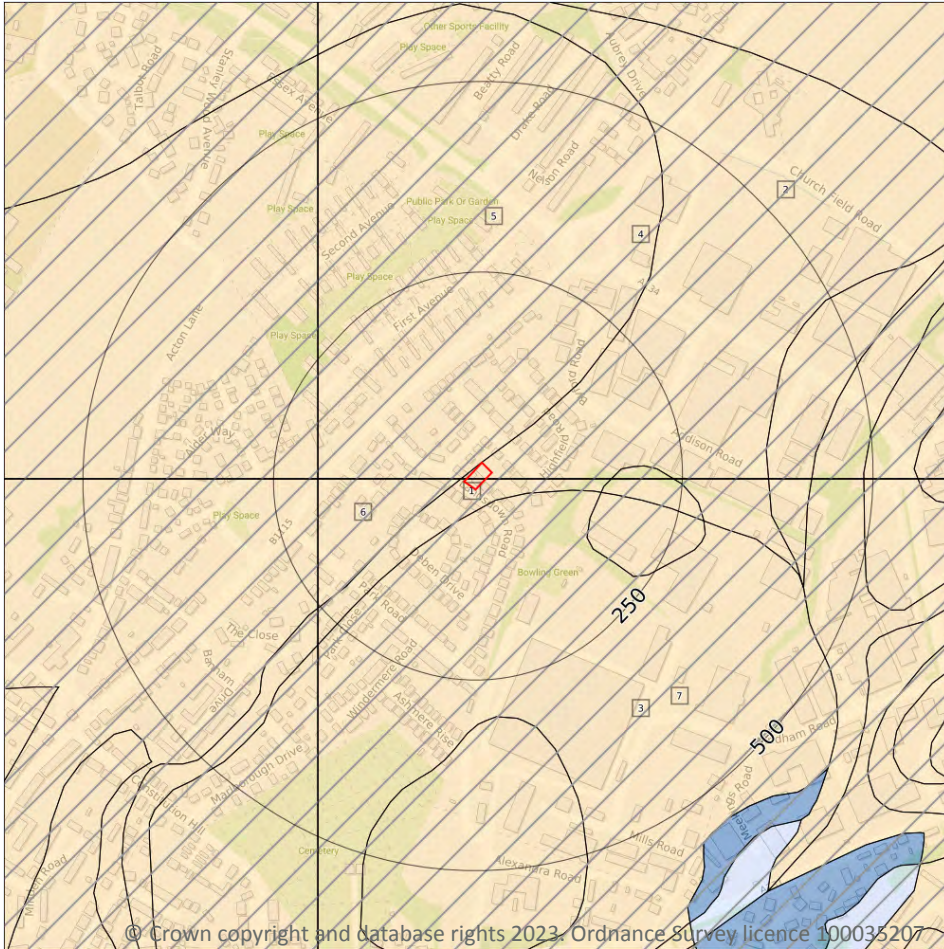
ID	Location	Designation	Description
1	On site	Secondary A	Permeable layers capable of supporting water supplies at a local rather than strategic scale, and in some cases forming an important source of base flow to rivers. These are generally aquifers formerly classified as minor aquifers
2	1m N	Principal	Geology of high intergranular and/or fracture permeability, usually providing a high level of water storage and may support water supply/river base flow on a strategic scale. Generally principal aquifers were previously major aquifers

ID	Location	Designation	Description
3	25m S	Principal	Geology of high intergranular and/or fracture permeability, usually providing a high level of water storage and may support water supply/river base flow on a strategic scale. Generally principal aquifers were previously major aquifers

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



Groundwater vulnerability



5.3 Groundwater vulnerability

Records within 50m

5

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 55 >](#)

ID	Location	Summary	Soil / surface	Superficial geology	Bedrock geology
1	On site	Summary Classification: Secondary superficial aquifer - High Vulnerability Combined classification: Productive Bedrock Aquifer, Productive Superficial Aquifer	Leaching class: Intermediate Infiltration value: >70% Dilution value: <300mm/year	Vulnerability: High Aquifer type: Secondary Thickness: 3-10m Patchiness value: >90% Recharge potential: Low	Vulnerability: Low Aquifer type: Secondary Flow mechanism: Well connected fractures
2	On site	Summary Classification: Secondary superficial aquifer - High Vulnerability Combined classification: Productive Bedrock Aquifer, Productive Superficial Aquifer	Leaching class: Intermediate Infiltration value: >70% Dilution value: <300mm/year	Vulnerability: High Aquifer type: Secondary Thickness: >10m Patchiness value: >90% Recharge potential: Low	Vulnerability: Low Aquifer type: Secondary Flow mechanism: Well connected fractures
5	On site	Summary Classification: Secondary superficial aquifer - High Vulnerability Combined classification: Productive Bedrock Aquifer, Productive Superficial Aquifer	Leaching class: Intermediate Infiltration value: >70% Dilution value: <300mm/year	Vulnerability: High Aquifer type: Secondary Thickness: >10m Patchiness value: >90% Recharge potential: Low	Vulnerability: Low Aquifer type: Principal Flow mechanism: Well connected fractures
6	5m W	Summary Classification: Secondary superficial aquifer - High Vulnerability Combined classification: Productive Bedrock Aquifer, Productive Superficial Aquifer	Leaching class: Intermediate Infiltration value: >70% Dilution value: <300mm/year	Vulnerability: High Aquifer type: Secondary Thickness: 3-10m Patchiness value: >90% Recharge potential: Low	Vulnerability: Low Aquifer type: Principal Flow mechanism: Well connected fractures
7	24m S	Summary Classification: Secondary superficial aquifer - High Vulnerability Combined classification: Productive Bedrock Aquifer, Productive Superficial Aquifer	Leaching class: Intermediate Infiltration value: >70% Dilution value: <300mm/year	Vulnerability: High Aquifer type: Secondary Thickness: 3-10m Patchiness value: >90% Recharge potential: Low	Vulnerability: Low Aquifer type: Principal Flow mechanism: Well connected fractures

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

5.4 Groundwater vulnerability- soluble rock risk

Records on site

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
3	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.	11.0%
4	Very significant soluble rocks are likely to be present with a moderate possibility of localised natural subsidence or dissolution-related degradation of bedrock, especially in adverse conditions such as concentrated surface or subsurface water flow.	0.0%

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

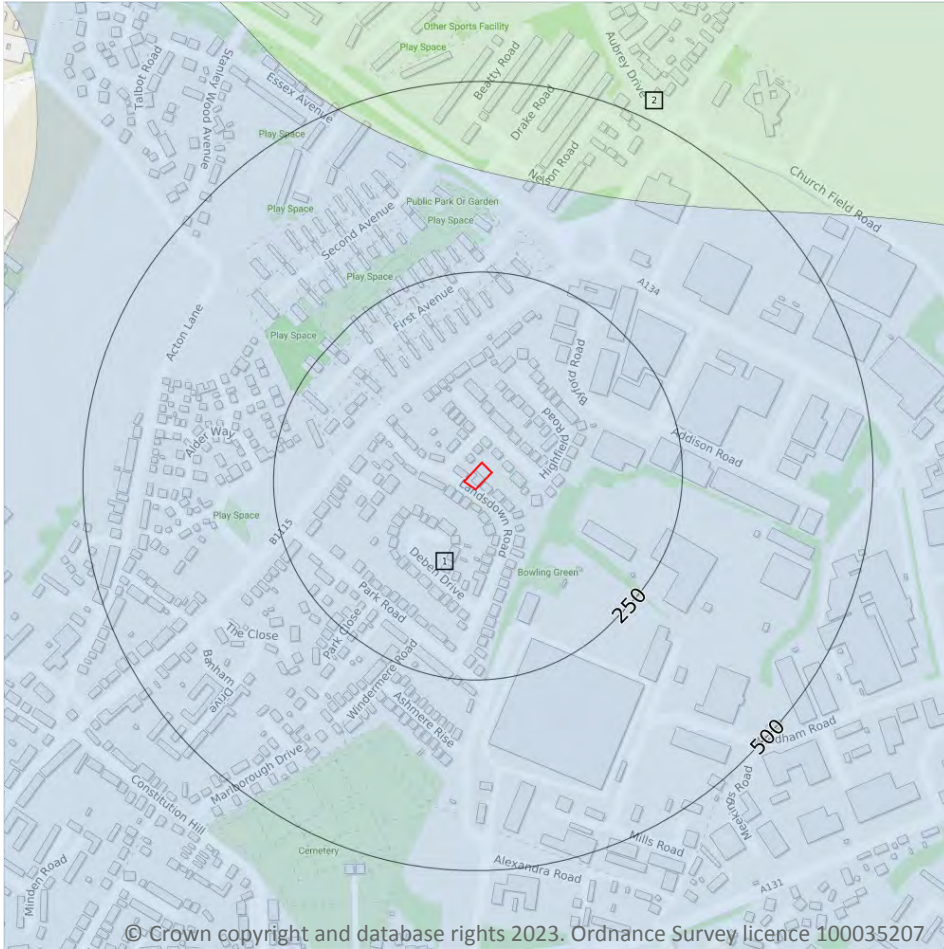
5.5 Groundwater vulnerability- local information

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

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

Abstractions and Source Protection Zones



5.6 Groundwater abstractions

Records within 2000m

5

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 58 >](#)

ID	Location	Details	
-	1007m S	Status: Historical Licence No: 8/36/15/*G/0174 Details: General use relating to Secondary Category (Medium Loss) Direct Source: GROUND WATER SOURCE OF SUPPLY Point: BOREHOLE AT CHILTON MILLS Data Type: Point Name: WILLIAM ARMES LIMITED Easting: 588000 Northing: 241000	Annual Volume (m ³): - Max Daily Volume (m ³): - Original Application No: - Original Start Date: 01/05/1997 Expiry Date: - Issue No: 100 Version Start Date: 01/05/1997 Version End Date: -
-	1012m W	Status: Active Licence No: 8/36/15/*G/0020 Details: Potable Water Supply - Direct Direct Source: GROUND WATER SOURCE OF SUPPLY Point: WOODHALL RD,SUDBURY Data Type: Point Name: Anglian Water Services Ltd Easting: 587200 Northing: 242200	Annual Volume (m ³): 1650000 Max Daily Volume (m ³): 6000 Original Application No: - Original Start Date: 01/07/1966 Expiry Date: - Issue No: 101 Version Start Date: 06/11/2014 Version End Date: -
-	1796m S	Status: Historical Licence No: 8/36/15/*G/0133 Details: General Use Relating To Secondary Category (Medium Loss) Direct Source: GROUND WATER SOURCE OF SUPPLY Point: RADIATOR ROAD NO.2, GT.CORNARD Data Type: Point Name: GUILFORD EUROPE LTD Easting: 588400 Northing: 240200	Annual Volume (m ³): 100000 Max Daily Volume (m ³): 1600 Original Application No: - Original Start Date: 01/09/1977 Expiry Date: - Issue No: 100 Version Start Date: 01/05/1995 Version End Date: -
-	1810m S	Status: Historical Licence No: 8/36/15/*G/0133 Details: General Use Relating To Secondary Category (Medium Loss) Direct Source: GROUND WATER SOURCE OF SUPPLY Point: RADIATOR ROAD NO.1, GT.CORNARD Data Type: Point Name: GUILFORD EUROPE LTD Easting: 588500 Northing: 240200	Annual Volume (m ³): 100000 Max Daily Volume (m ³): 1600 Original Application No: - Original Start Date: 01/09/1977 Expiry Date: - Issue No: 100 Version Start Date: 01/05/1995 Version End Date: -
-	1994m W	Status: Historical Licence No: 8/36/15/*G/0014 Details: General Farming & Domestic Direct Source: GROUND WATER SOURCE OF SUPPLY Point: BRUNDON HALL FARM, BRUNDON Data Type: Point Name: NORMAN Easting: 586200 Northing: 241900	Annual Volume (m ³): - Max Daily Volume (m ³): - Original Application No: - Original Start Date: 01/02/1966 Expiry Date: - Issue No: 100 Version Start Date: 01/02/1966 Version End Date: -



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

5.7 Surface water abstractions

Records within 2000m	3
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Licensed surface water abstractions for sites extracting more than 20 cubic metres of water a day and includes active and historical records. The data may be for a single abstraction point, a stretch of watercourse or a larger area.

Features are displayed on the Abstractions and Source Protection Zones map on [page 58 >](#)

ID	Location	Details	
-	1224m W	Status: Active Licence No: AN/036/0015/021 Details: Wet Fencing And Nature Conservation Direct Source: SURFACE WATER SOURCE OF SUPPLY Point: POINT B RIVER STOUR AT SUDBURY COMMON LANDS Data Type: Point Name: Sudbury Common Lands Charity Easting: 587006 Northing: 241690	Annual Volume (m ³): - Max Daily Volume (m ³): - Original Application No: NPS/NA/001554 Original Start Date: 18/03/2022 Expiry Date: 31/03/2028 Issue No: 1 Version Start Date: 18/03/2022 Version End Date: -
-	1232m W	Status: Active Licence No: AN/036/0015/021 Details: Wet Fencing And Nature Conservation Direct Source: SURFACE WATER SOURCE OF SUPPLY Point: POINT A RIVER STOUR AT SUDBURY COMMON LANDS Data Type: Point Name: Sudbury Common Lands Charity Easting: 586962 Northing: 241913	Annual Volume (m ³): - Max Daily Volume (m ³): - Original Application No: NPS/NA/001554 Original Start Date: 18/03/2022 Expiry Date: 31/03/2028 Issue No: 1 Version Start Date: 18/03/2022 Version End Date: -
-	1404m SW	Status: Active Licence No: AN/036/0015/021 Details: Wet Fencing And Nature Conservation Direct Source: SURFACE WATER SOURCE OF SUPPLY Point: POINT C RIVER STOUR AT SUDBURY COMMON LANDS Data Type: Point Name: Sudbury Common Lands Charity Easting: 586923 Northing: 241394	Annual Volume (m ³): - Max Daily Volume (m ³): - Original Application No: NPS/NA/001554 Original Start Date: 18/03/2022 Expiry Date: 31/03/2028 Issue No: 1 Version Start Date: 18/03/2022 Version End Date: -

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



5.8 Potable abstractions

Records within 2000m	1
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Licensed potable water abstractions for sites extracting more than 20 cubic metres of water a day and includes active and historical records. The data may be for a single abstraction point, a stretch of watercourse or a larger area.

Features are displayed on the Abstractions and Source Protection Zones map on [page 58 >](#)

ID	Location	Details	
-	1012m W	Status: Active Licence No: 8/36/15/*G/0020 Details: Potable Water Supply - Direct Direct Source: GROUND WATER SOURCE OF SUPPLY Point: WOODHALL RD,SUDBURY Data Type: Point Name: Anglian Water Services Ltd Easting: 587200 Northing: 242200	Annual Volume (m ³): 1650000 Max Daily Volume (m ³): 6000 Original Application No: - Original Start Date: 01/07/1966 Expiry Date: - Issue No: 101 Version Start Date: 06/11/2014 Version End Date: -

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

5.9 Source Protection Zones

Records within 500m	2
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Source Protection Zones define the sensitivity of an area around a potable abstraction site to contamination.

Features are displayed on the Abstractions and Source Protection Zones map on [page 58 >](#)

ID	Location	Type	Description
1	On site	2	Outer catchment
2	374m N	3	Total catchment

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

5.10 Source Protection Zones (confined aquifer)

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

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 **0**

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

This data is sourced from the Ordnance Survey.

6.2 Surface water features

Records within 250m **0**

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.



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 62 >](#)

ID	Location	Type	Water body catchment	Water body ID	Operational catchment	Management catchment
A	On site	River	Stour (Wixoe - Lamarsh)	GB105036040941	Stour OC	Essex Combined

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 62 >](#)

ID	Location	Type	Name	Water body ID	Overall rating	Chemical rating	Ecological rating	Year
-	1201m W	River	Stour (Wixoe - Lamarsh)	GB105036040941 ↗	Moderate	Fail	Moderate	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 62 >](#)

ID	Location	Name	Water body ID	Overall rating	Chemical rating	Quantitative	Year
A	On site	North Essex Chalk	GB40501G400700 ↗	Poor	Poor	Poor	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

8.1 Surface water flooding

Highest risk on site

Negligible

Highest risk within 50m

Negligible

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.

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	Negligible
1 in 250 year	Negligible
1 in 100 year	Negligible
1 in 30 year	Negligible

This data is sourced from Ambiental Risk Analytics.



9 Groundwater flooding



9.1 Groundwater flooding

Highest risk on site

Low

Highest risk within 50m

Low

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

Features are displayed on the Groundwater flooding map on [page 69](#) >

This data is sourced from Ambiental Risk Analytics.

10 Environmental designations



- Site Outline
- Search buffers in metres (m)
- + Local Nature Reserves (LNR)

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

4

Sites managed for nature conservation, and to provide opportunities for research and education, or simply enjoying and having contact with nature. They are declared by local authorities under the National Parks and Access to the Countryside Act 1949 after consultation with the relevant statutory nature conservation agency.

Features are displayed on the Environmental designations map on [page 70 >](#)

ID	Location	Name	Data source
1	863m SE	Shawlands Wood	Natural England
2	1120m W	Sudbury Common Lands	Natural England
3	1279m SE	Shawlands Wood	Natural England
-	1783m W	The Railway Walks	Natural England

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

10.7 Designated Ancient Woodland

Records within 2000m

0

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

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

10.8 Biosphere Reserves

Records within 2000m

0

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

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



10.9 Forest Parks

Records within 2000m

0

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

This data is sourced from the Forestry Commission.

10.10 Marine Conservation Zones

Records within 2000m

0

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

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

10.11 Green Belt

Records within 2000m

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

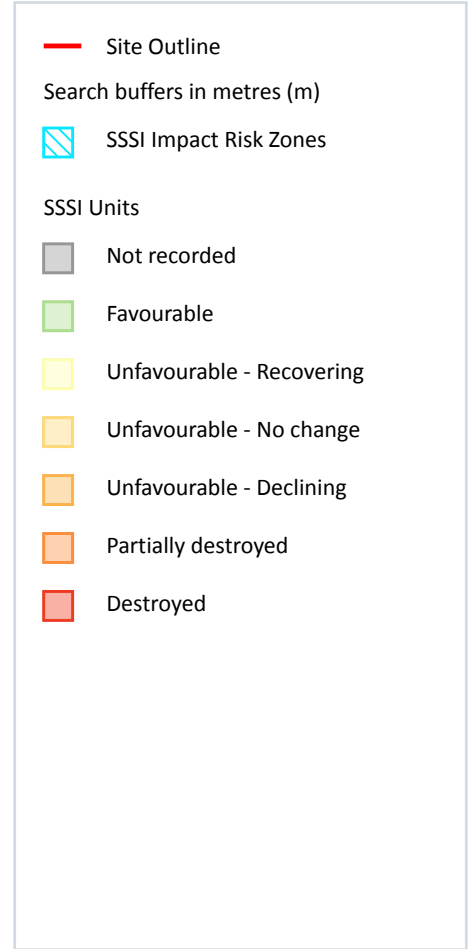
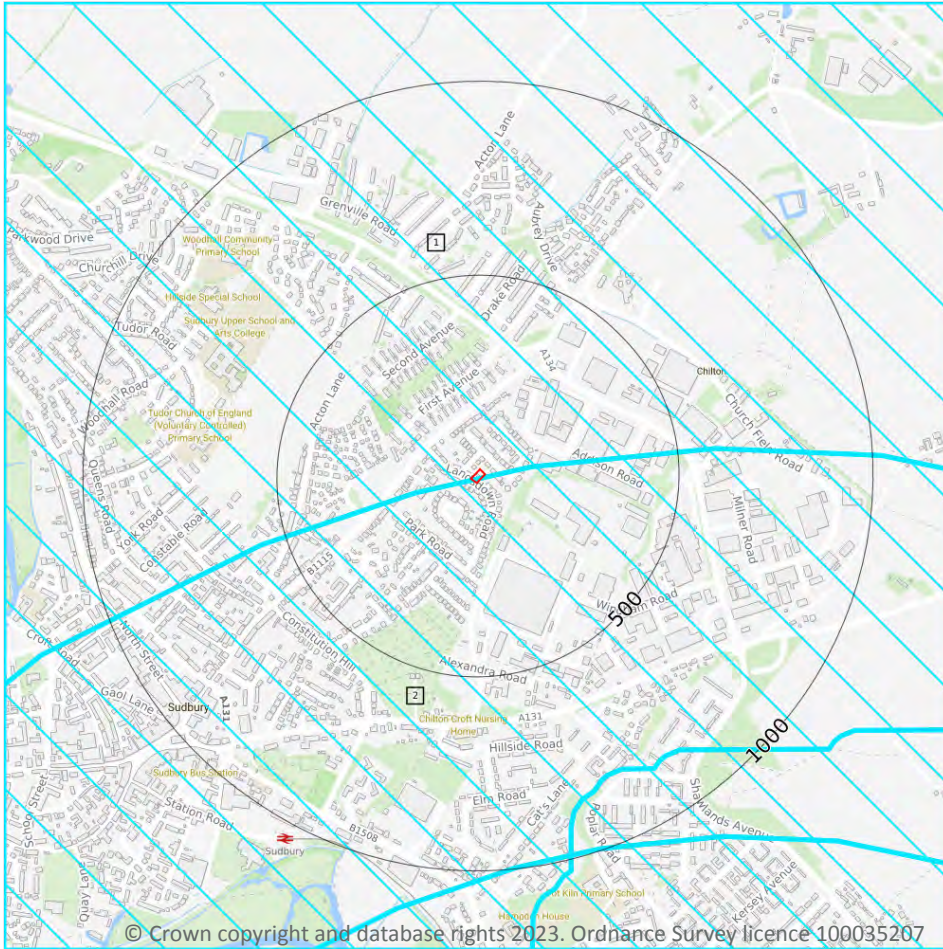
Areas at risk from agricultural nitrate pollution designated under the EC Nitrate Directive (91/676/EEC). These are areas of land that drain into waters polluted by nitrates. Farmers operating within these areas have to follow mandatory rules to tackle nitrate loss from agriculture.

Location	Name	Type	NVZ ID	Status
On site	Lower Stour NVZ	Surface Water	424	Existing
On site	Sandlings and Chelmsford	Groundwater	78	Existing

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



SSSI Impact Zones and Units



10.17 SSSI Impact Risk Zones

Records on site

2

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 75 >](#)

ID	Location	Type of developments requiring consultation
1	On site	Infrastructure - Airports, helipads and other aviation proposals. Air pollution - Livestock & poultry units with floorspace > 500m², slurry lagoons & digestate stores > 750m², manure stores > 3500t.

ID	Location	Type of developments requiring consultation
2	On site	Infrastructure - Airports, helipads and other aviation proposals. 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.

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

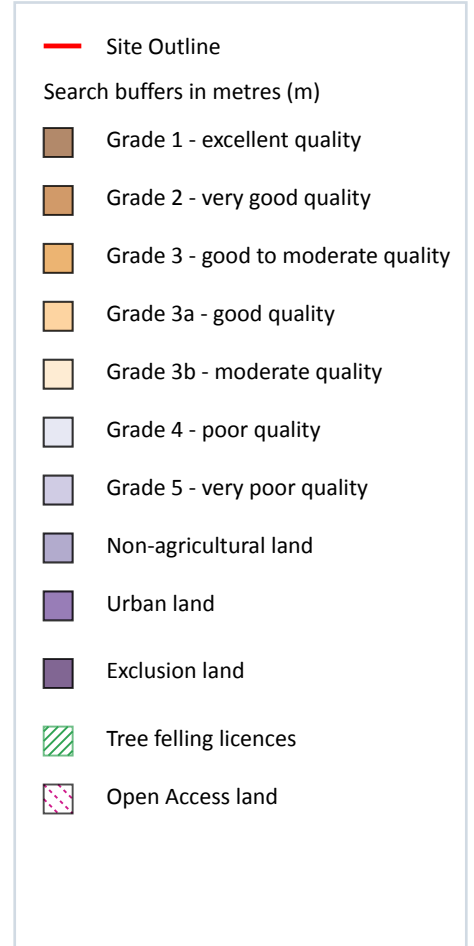
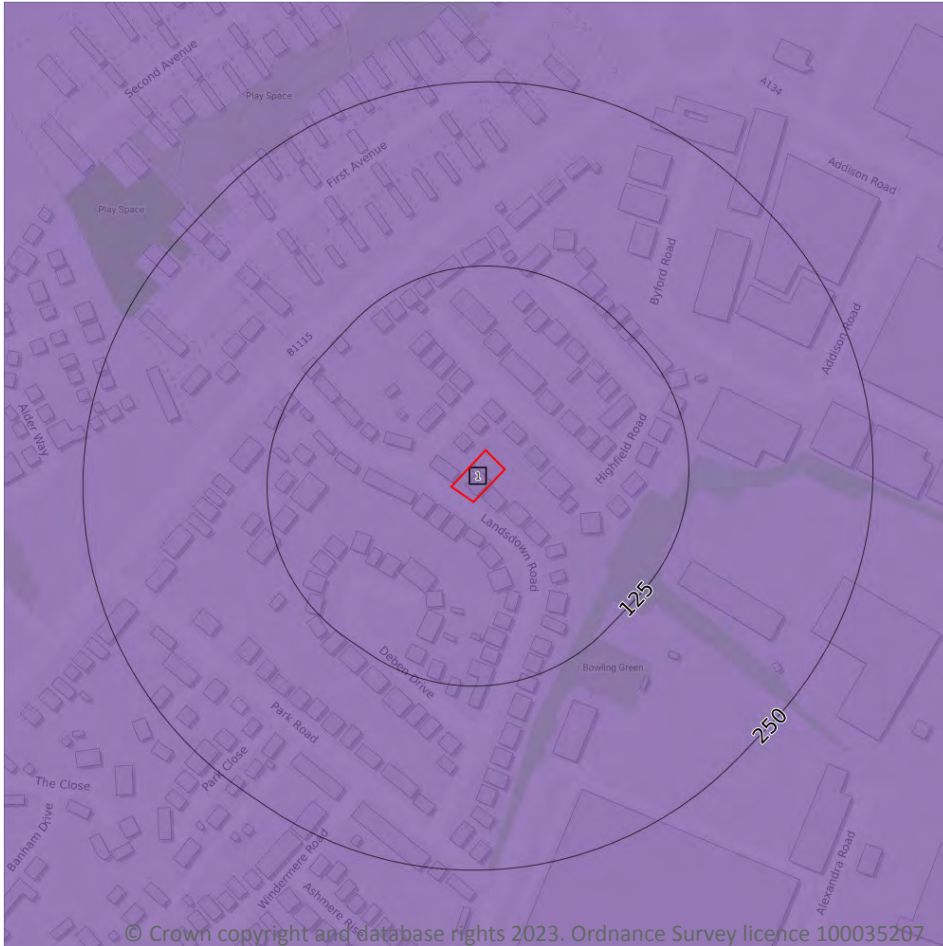
0

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



12.1 Agricultural Land Classification

Records within 250m

1

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 79](#) >

ID	Location	Classification	Description
1	On site	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

13.1 Priority Habitat Inventory

Records within 250m

0

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

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

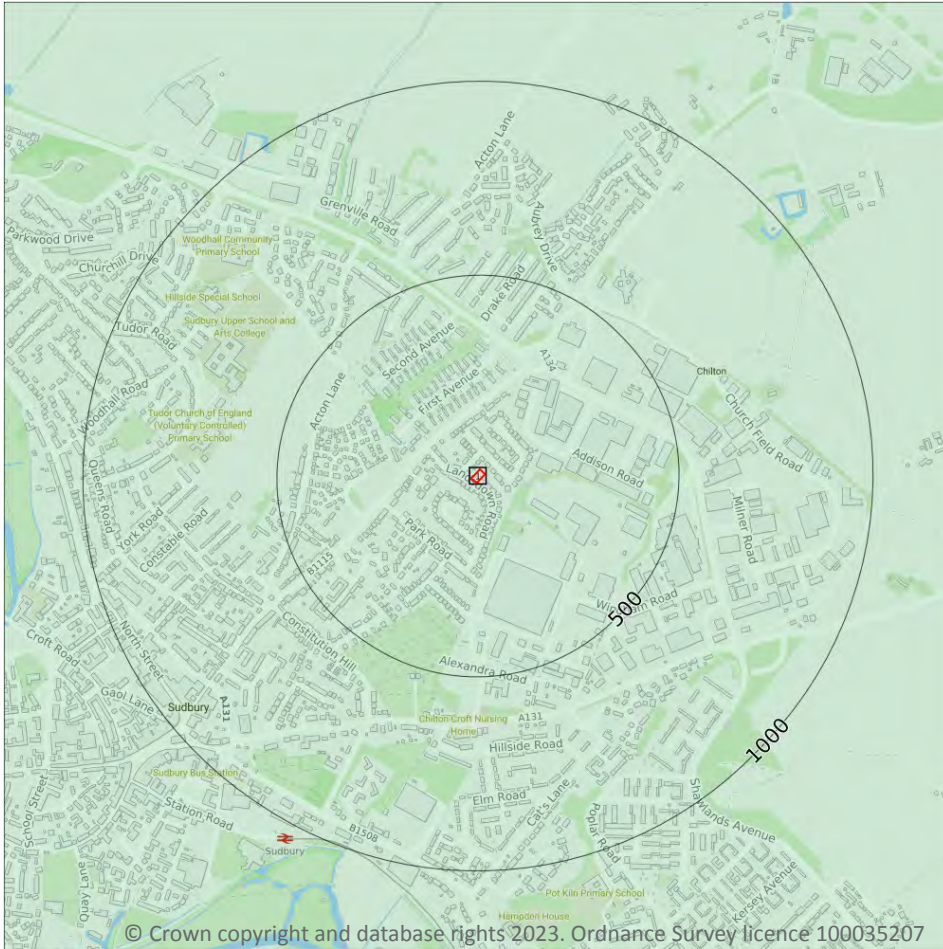
0

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

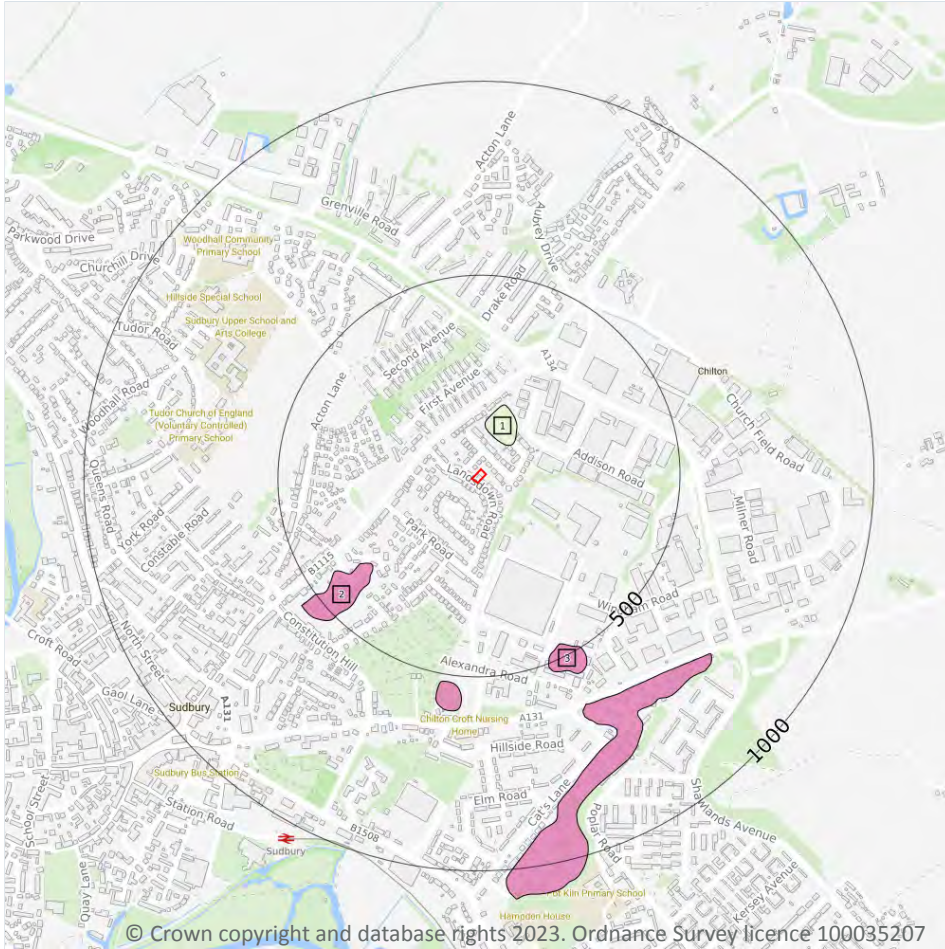
An indication on the coverage of 1:10,000 scale geology data for the site, the most detailed dataset provided by the British Geological Survey. Either 'Full', 'Partial' or 'No coverage' for each geological theme.

Features are displayed on the Geology 1:10,000 scale - Availability map on [page 82](#) >

ID	Location	Artificial	Superficial	Bedrock	Mass movement	Sheet No.
1	On site	Full	Full	Full	No coverage	TL84SE

This data is sourced from the British Geological Survey.

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



— Site Outline
Search buffers in metres (m)

- Reclaimed ground
- Made ground
- Worked ground
- Infilled ground
- Disturbed ground
- Landscaped ground

14.2 Artificial and made ground (10k)

Records within 500m

3

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.

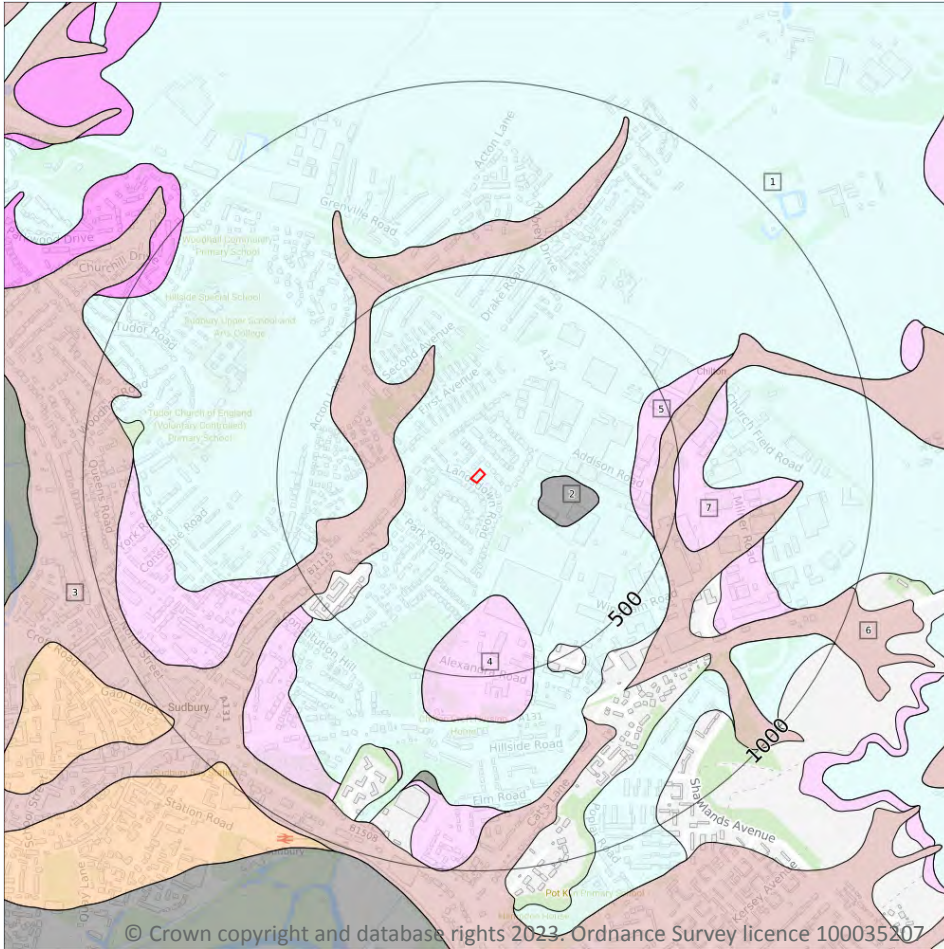
Features are displayed on the Geology 1:10,000 scale - Artificial and made ground map on [page 83](#) >

ID	Location	LEX Code	Description	Rock description
1	86m NE	WMGR-ARTDP	Infilled Ground	Artificial Deposit
2	339m SW	WGR-VOID	Worked Ground (Undivided)	Void
3	466m SE	WGR-VOID	Worked Ground (Undivided)	Void

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

7

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 84](#) >

ID	Location	LEX Code	Description	Rock description
1	On site	TILL-DMTN	Till - Diamicton	Diamicton
2	147m E	GSTC-CZ	Glacial Silts And Clays - Silty Clay	Clay, Silty
3	169m W	HEAD-XSC	Head - Sand And Clay	Sand And Clay
4	293m S	GFDU-XSV	Glaciofluvial Deposits - Sand And Gravel	Sand And Gravel



ID	Location	LEX Code	Description	Rock description
5	376m E	GFDU-XSV	Glaciofluvial Deposits - Sand And Gravel	Sand And Gravel
6	433m E	HEAD-XSC	Head - Sand And Clay	Sand And Clay
7	486m E	GFDU-XSV	Glaciofluvial Deposits - Sand And Gravel	Sand And Gravel

This data is sourced from the British Geological Survey.

14.4 Landslip (10k)

Records within 500m

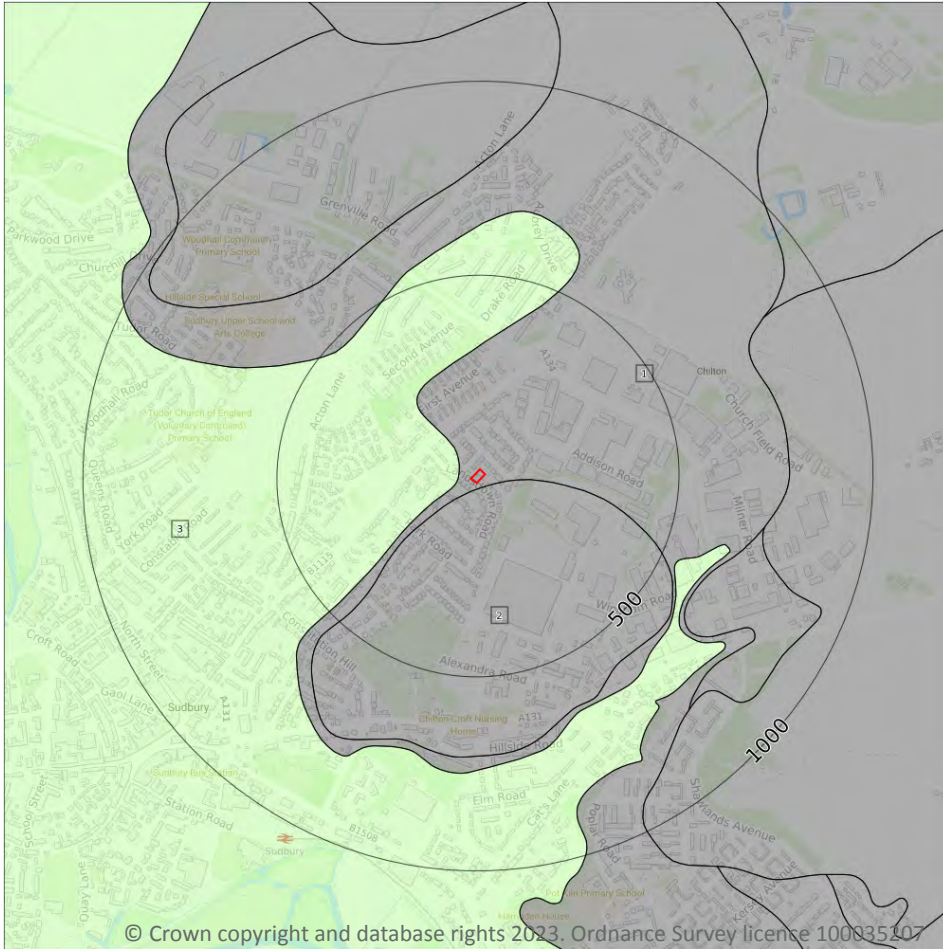
0

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

3

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 86](#) >

ID	Location	LEX Code	Description	Rock age
1	On site	TAB-SANDU	Thanet Sand Formation - Sand	Thanetian Age
2	16m S	RCG-SANDU	Red Crag Formation - Sand	Thurnian Age - Piacenzian Age [Obsolete definition]
3	33m W	LSNCK-CHLK	Lewes Nodular Chalk Formation, Seaford Chalk Formation And Newhaven Chalk Formation (undifferentiated) - Chalk	Campanian Age - Turonian Age

This data is sourced from the British Geological Survey.

14.6 Bedrock faults and other linear features (10k)

Records within 500m

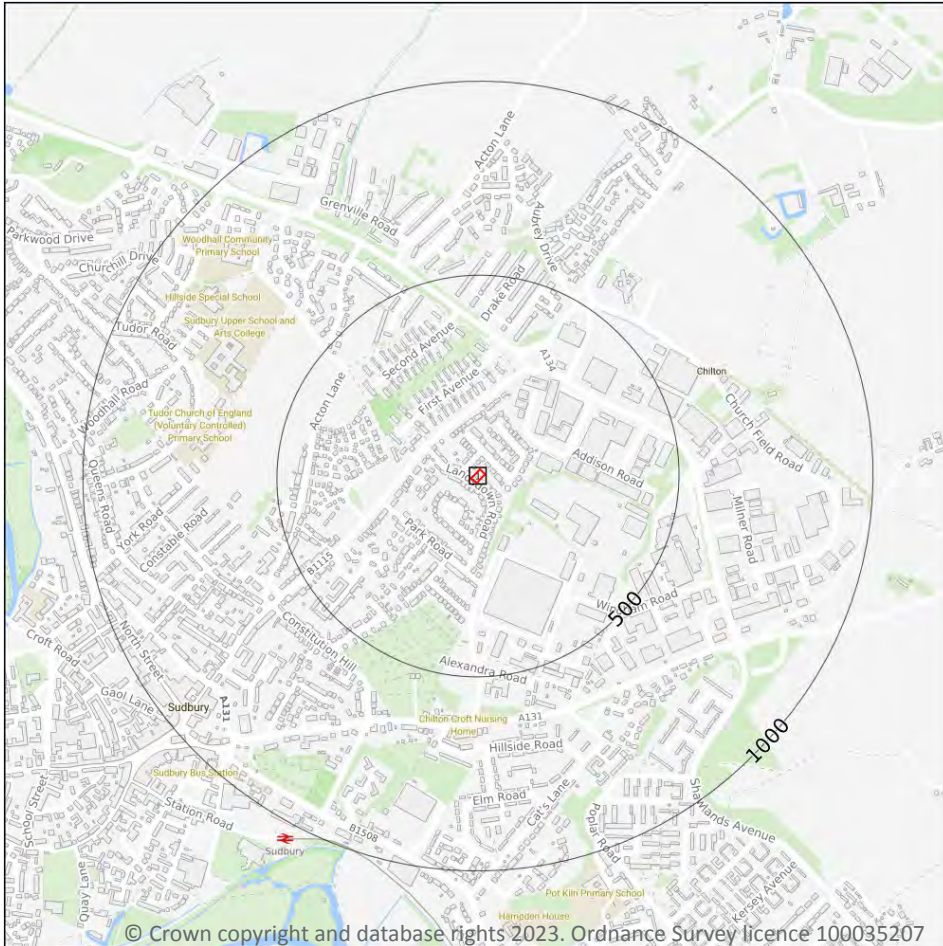
0

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

This data is sourced from the British Geological Survey.



15 Geology 1:50,000 scale - Availability



— Site Outline
Search buffers in metres (m)

□ Geological map tile

15.1 50k Availability

Records within 500m

1

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

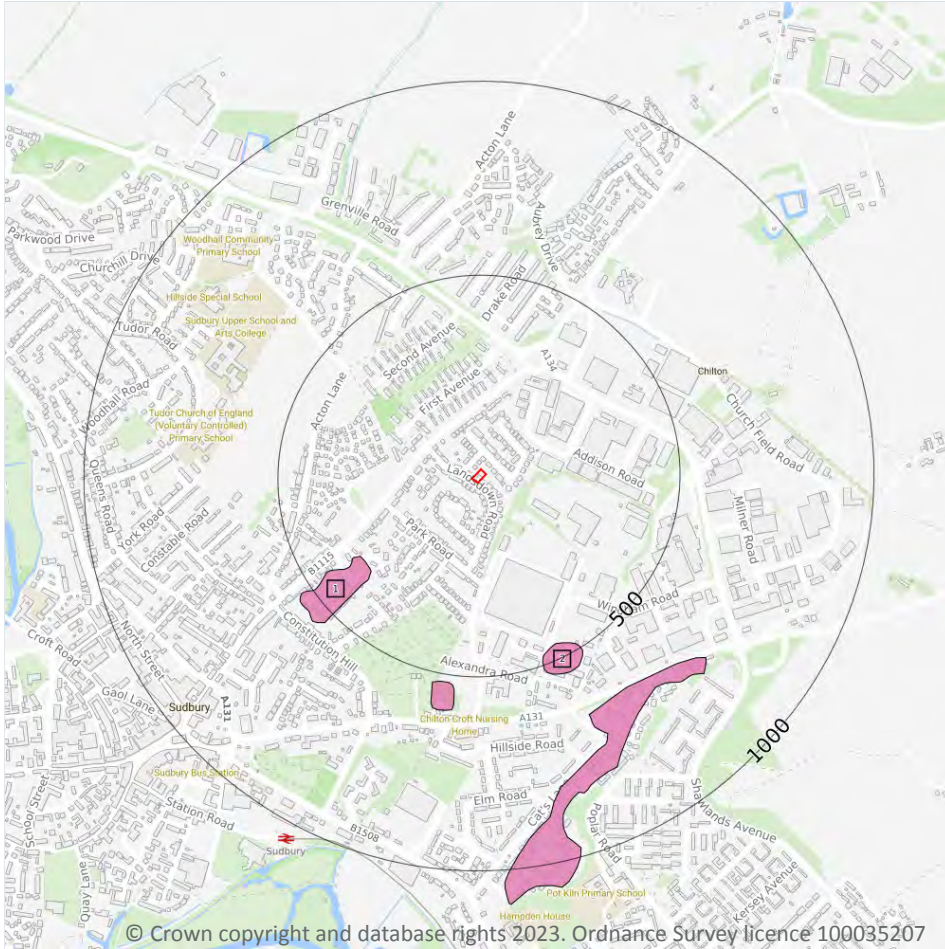
Features are displayed on the Geology 1:50,000 scale - Availability map on [page 88](#) >

ID	Location	Artificial	Superficial	Bedrock	Mass movement	Sheet No.
1	On site	Full	Full	Full	Full	EW206_sudbury_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

2

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.

Features are displayed on the Geology 1:50,000 scale - Artificial and made ground map on [page 89](#) >

ID	Location	LEX Code	Description	Rock description
1	348m SW	WGR-VOID	WORKED GROUND (UNDIVIDED)	VOID
2	460m SE	WGR-VOID	WORKED GROUND (UNDIVIDED)	VOID

This data is sourced from the British Geological Survey.

15.3 Artificial ground permeability (50k)

Records within 50m

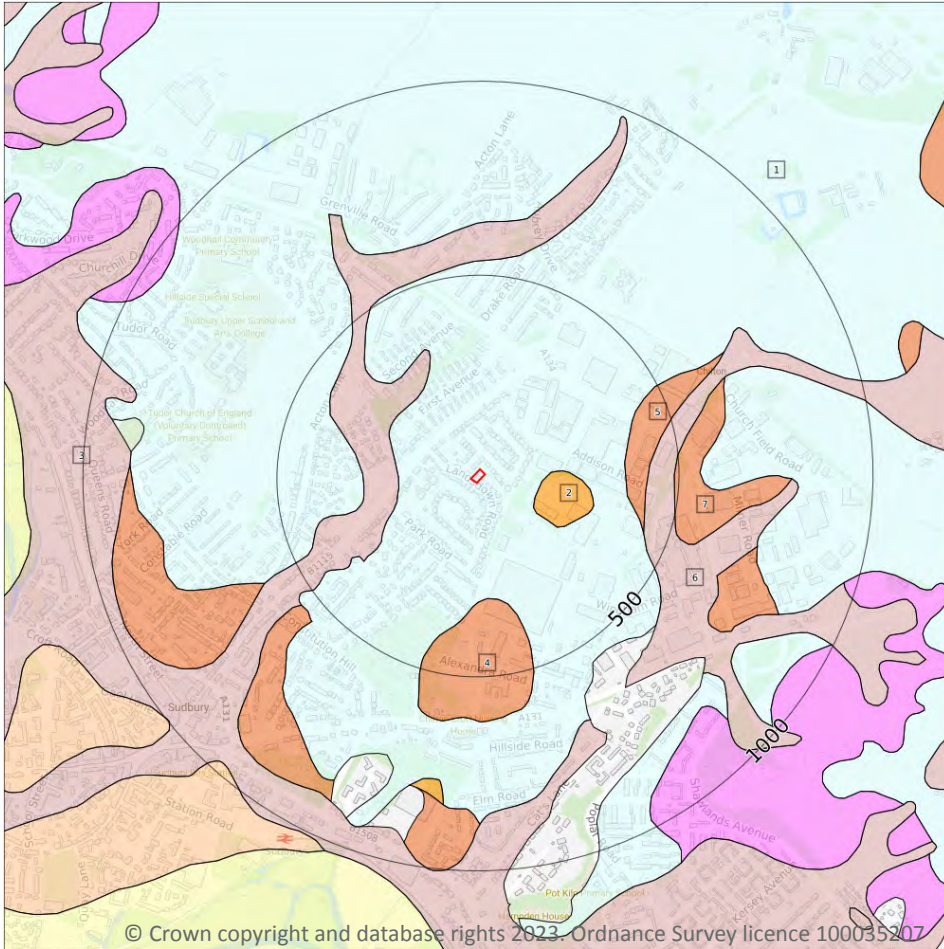
0

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

7

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 91](#) >

ID	Location	LEX Code	Description	Rock description
1	On site	LOFT-DMTN	LOWESTOFT FORMATION	DIAMICTON
2	142m E	LOFT-XCZ	LOWESTOFT FORMATION	CLAY AND SILT
3	187m W	HEAD-XCZSV	HEAD	CLAY, SILT, SAND AND GRAVEL



ID	Location	LEX Code	Description	Rock description
4	299m S	LOFT-XSV	LOWESTOFT FORMATION	SAND AND GRAVEL
5	361m E	LOFT-XSV	LOWESTOFT FORMATION	SAND AND GRAVEL
6	416m E	HEAD- XCZSV	HEAD	CLAY, SILT, SAND AND GRAVEL
7	488m E	LOFT-XSV	LOWESTOFT FORMATION	SAND AND GRAVEL

This data is sourced from the British Geological Survey.

15.5 Superficial permeability (50k)

Records within 50m	1
---------------------------	----------

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

Location	Flow type	Maximum permeability	Minimum permeability
On site	Mixed	Moderate	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)

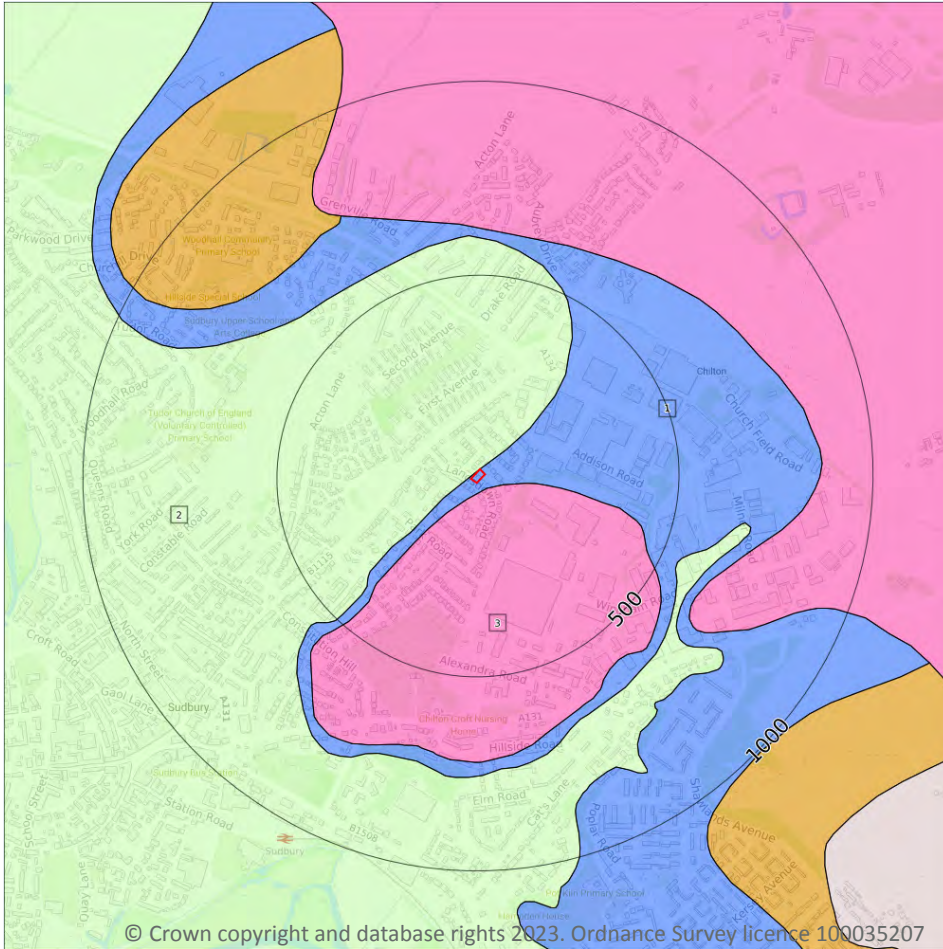
Records within 50m	0
---------------------------	----------

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

3

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 93](#) >

ID	Location	LEX Code	Description	Rock age
1	On site	TAB-S	THANET FORMATION - SAND	THANETIAN
2	1m N	LCCK-CHLK	LEWES NODULAR CHALK FORMATION, SEAFORD CHALK FORMATION, NEWHAVEN CHALK FORMATION AND CULVER CHALK FORMATION (UNDIFFERENTIATED) - CHALK	TURONIAN
3	25m S	CRAG-S	CRAG GROUP - SAND	-

This data is sourced from the British Geological Survey.

15.9 Bedrock permeability (50k)

Records within 50m

3

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

Location	Flow type	Maximum permeability	Minimum permeability
On site	Intergranular	High	High
0m N	Fracture	Very High	Very High
25m S	Intergranular	High	High

This data is sourced from the British Geological Survey.

15.10 Bedrock faults and other linear features (50k)

Records within 500m

0

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.

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

3

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 95 >](#)

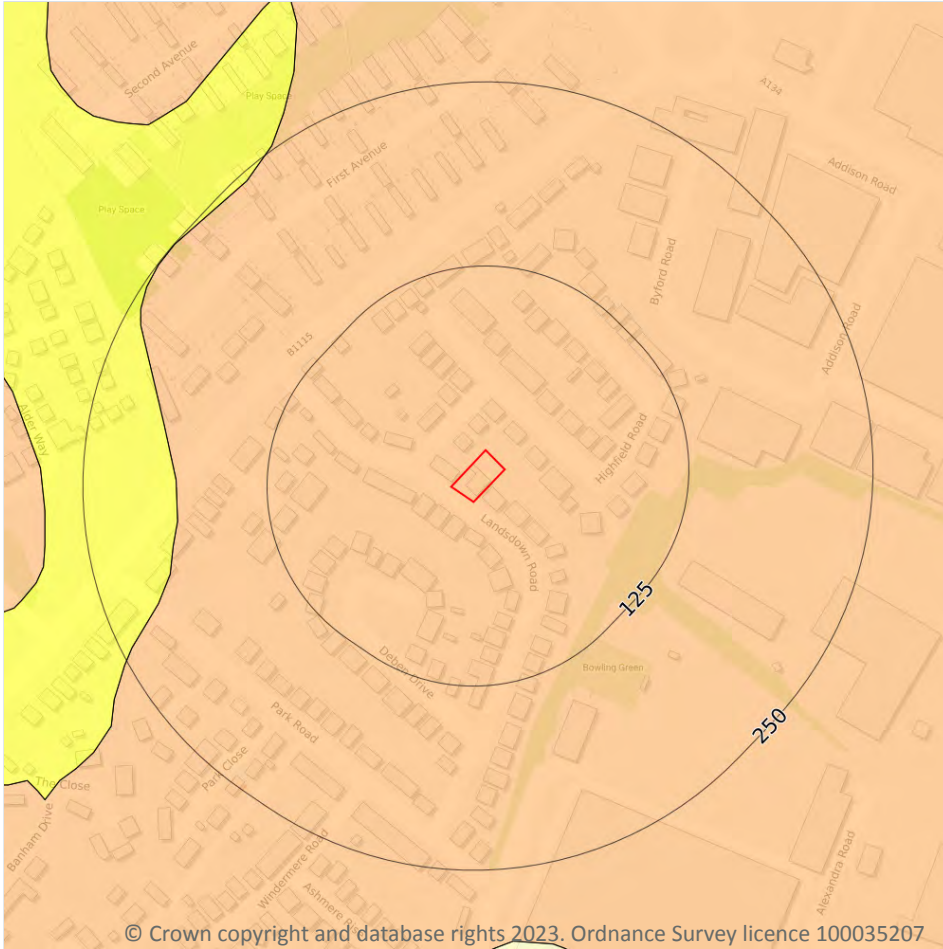
ID	Location	Grid reference	Name	Length	Confidential	Web link
1	153m N	588150 242160	G.L.C. SUDBURY SUFFOLK NO.27	7.92	N	553315 ↗
2	202m W	587990 242010	G.L.C. SUDBURY SUFFOLK NO.25	8.22	N	553313 ↗
3	218m NW	588000 242100	G.L.C. SUDBURY SUFFOLK NO.26	11.88	N	553314 ↗



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).

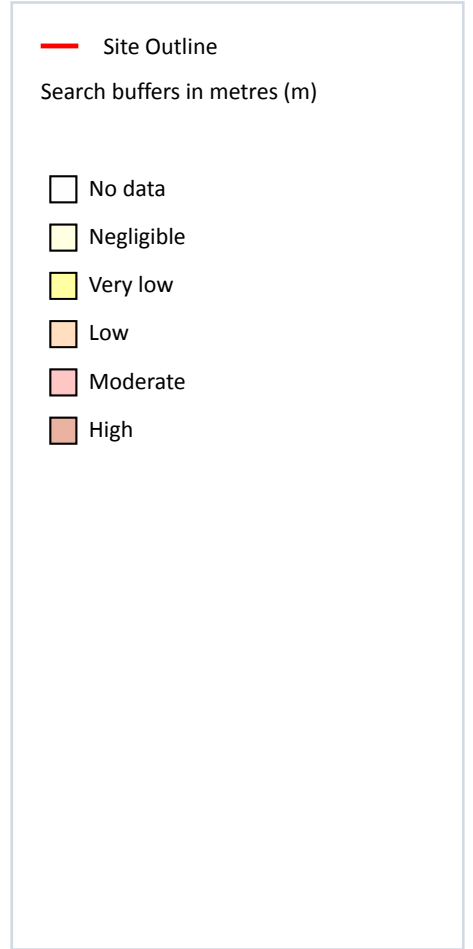
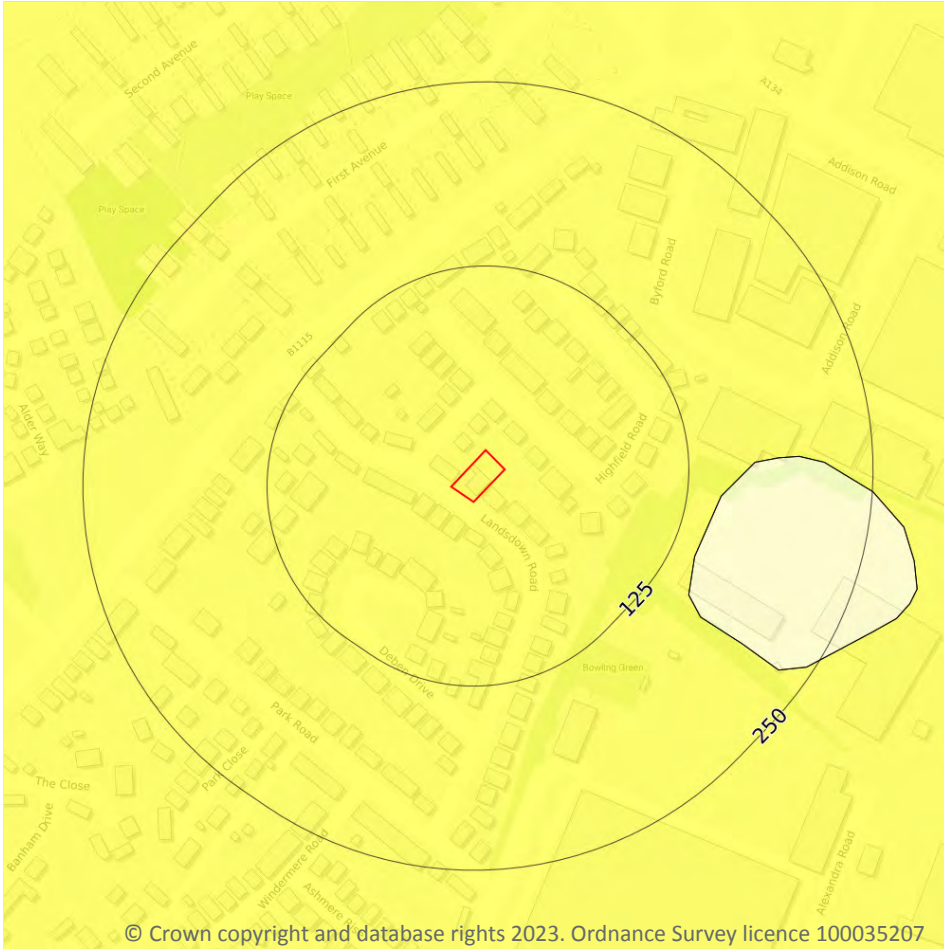
Features are displayed on the Natural ground subsidence - Shrink swell clays map on [page 97 >](#)

Location	Hazard rating	Details
On site	Low	Ground conditions predominantly medium plasticity.

This data is sourced from the British Geological Survey.



Natural ground subsidence - Running sands



17.2 Running sands

Records within 50m

1

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

Features are displayed on the Natural ground subsidence - Running sands map on [page 98](#) >

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

This data is sourced from the British Geological Survey.

Natural ground subsidence - Compressible deposits



— Site Outline
Search buffers in metres (m)

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

17.3 Compressible deposits

Records within 50m

1

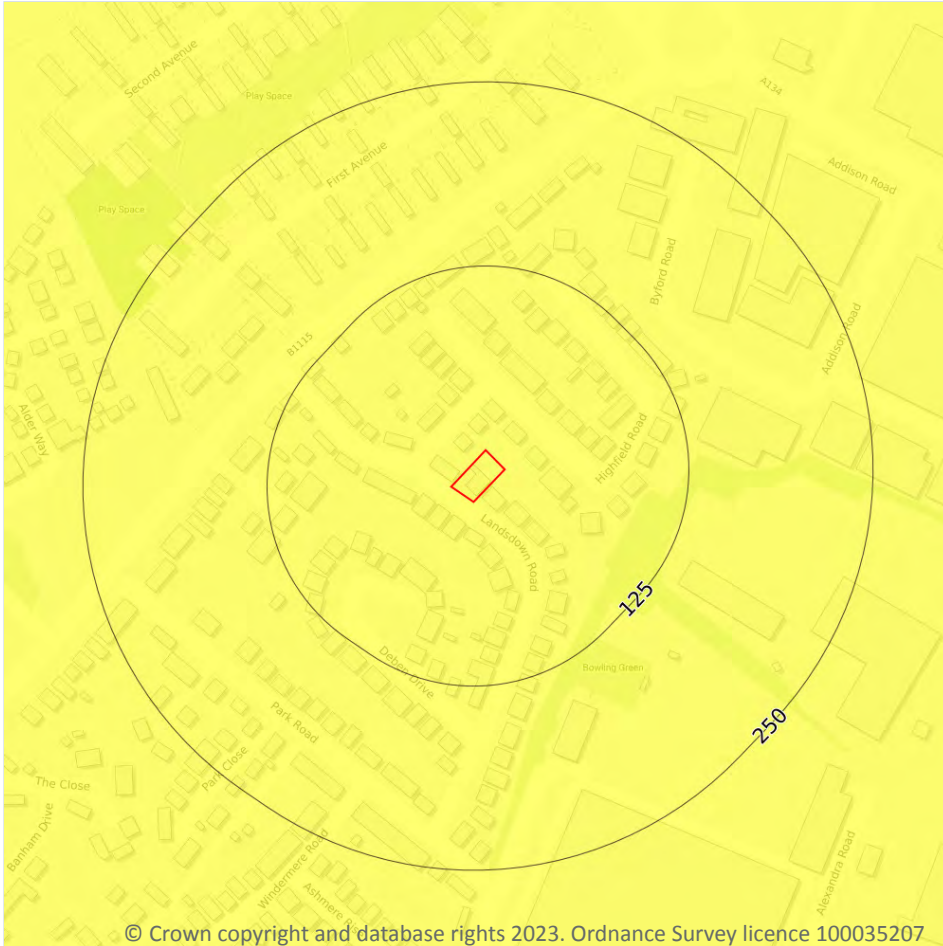
The potential hazard presented by types of ground that may contain layers of very soft materials like clay or peat and may compress if loaded by overlying structures, or if the groundwater level changes, potentially resulting in depression of the ground and disturbance of foundations.

Features are displayed on the Natural ground subsidence - Compressible deposits map on [page 99](#) >

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

This data is sourced from the British Geological Survey.

Natural ground subsidence - Collapsible deposits



— Site Outline
Search buffers in metres (m)

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

17.4 Collapsible deposits

Records within 50m

1

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

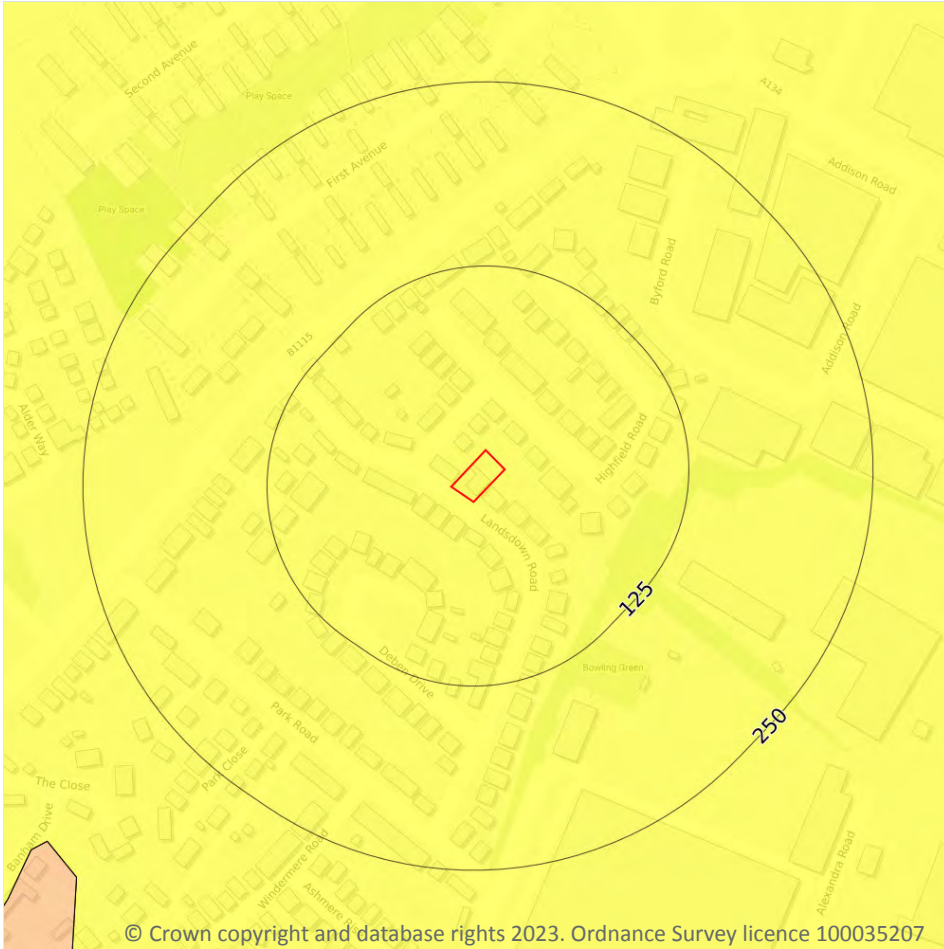
Features are displayed on the Natural ground subsidence - Collapsible deposits map on [page 100 >](#)

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

This data is sourced from the British Geological Survey.



Natural ground subsidence - Landslides



— Site Outline
Search buffers in metres (m)

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

17.5 Landslides

Records within 50m

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.

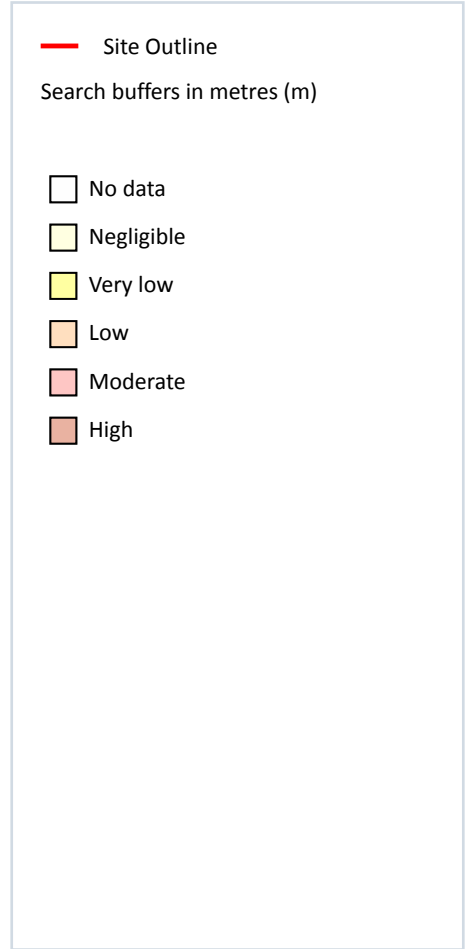
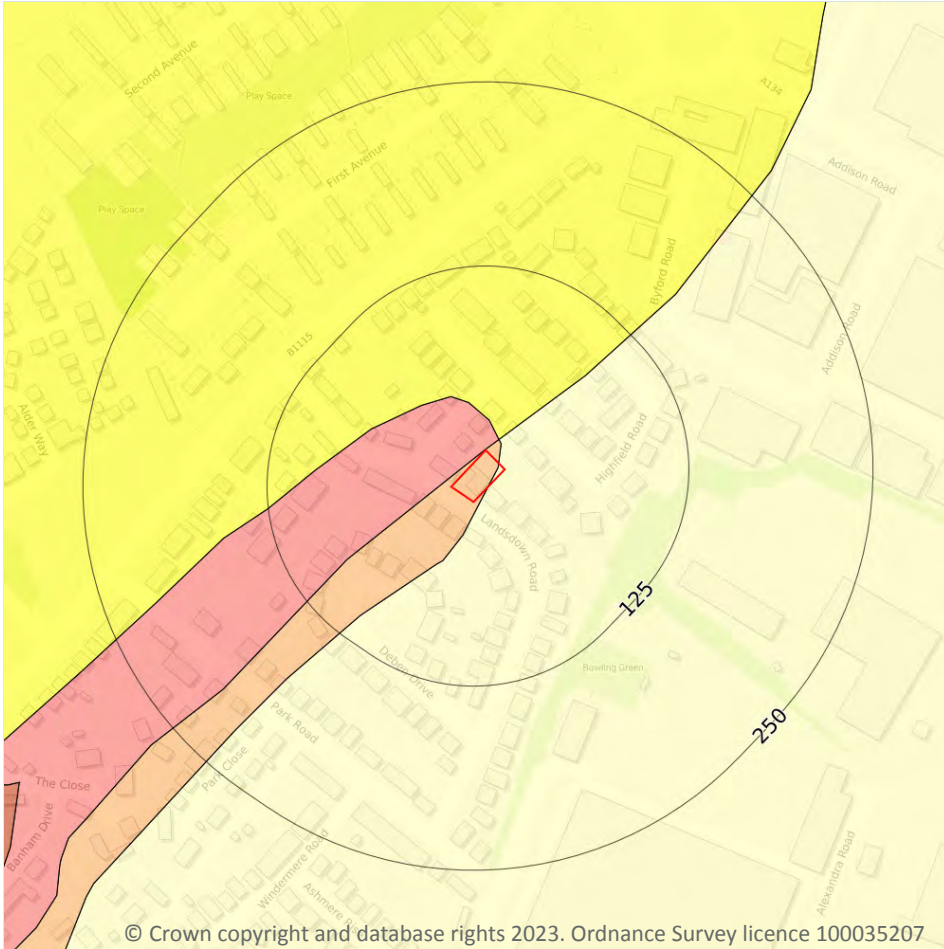
Features are displayed on the Natural ground subsidence - Landslides map on [page 101](#) >

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



17.6 Ground dissolution of soluble rocks

Records within 50m

4

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 102](#) >

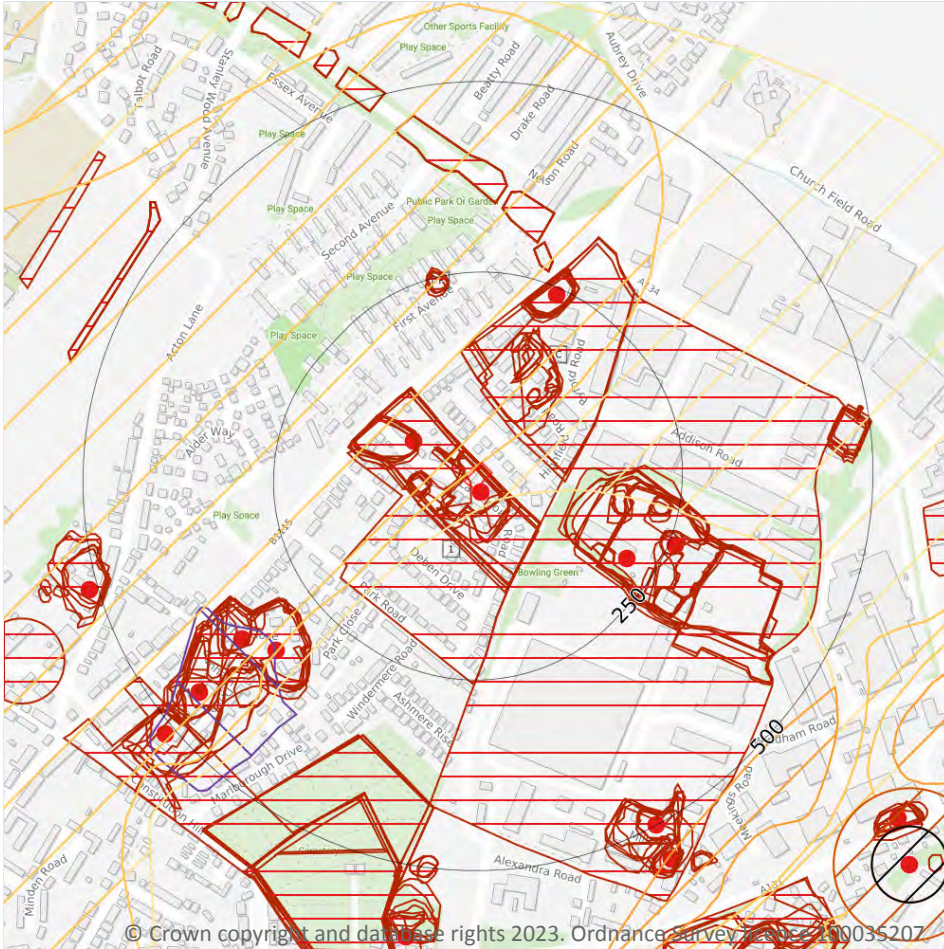
Location	Hazard rating	Details
On site	Negligible	Soluble rocks are either not thought to be present within the ground, or not prone to dissolution. Dissolution features are unlikely to be present.

Location	Hazard rating	Details
On site	Low	Soluble rocks are present within the ground. Some dissolution features may be present. Potential for difficult ground conditions are at a level where they may be considered, localised subsidence need not be considered except in exceptional circumstances.
0m N	Moderate	Soluble rocks are present within the ground. Many dissolution features may be present. Potential for difficult ground conditions are at a level where they should be considered. Potential for subsidence is at a level where it may need to be considered.
12m NE	Very low	Soluble rocks are present within the ground. Few dissolution features are likely to be present. Potential for difficult ground conditions or localised subsidence are at a level where they need not be considered.

This data is sourced from the British Geological Survey.



18 Mining and ground workings



18.1 BritPits

Records within 500m

9

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 104](#) >

ID	Location	Details	Description
A	7m S	Name: California Brick Works Address: SUDBURY, Suffolk Commodity: Clay & Shale 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
D	85m NW	Name: California Brick Works Address: SUDBURY, Suffolk Commodity: Clay & Shale 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
B	209m SE	Name: Alexandra Brick Works Address: SUDBURY, Suffolk Commodity: Clay & Shale 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
E	240m NE	Name: California Brick Works Address: SUDBURY, Suffolk Commodity: Clay & Shale 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
B	258m E	Name: Alexandra Brick Works Address: SUDBURY, Suffolk Commodity: Clay & Shale 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
G	331m SW	Name: Waldringfield Road Chalk Pits Address: SUDBURY, Suffolk Commodity: Clay & Shale 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



ID	Location	Details	Description
G	357m SW	Name: Waldringfield Road Chalk Pits Address: SUDBURY, Suffolk Commodity: Chalk 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
G	443m SW	Name: Waldringfield Road Chalk Pits Address: SUDBURY, Suffolk Commodity: Chalk 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
L	499m SE	Name: Newton Road Sand Pit Address: SUDBURY, Suffolk 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	93
----------------------------	-----------

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 104 >](#)

ID	Location	Land Use	Year of mapping	Mapping scale
1	On site	Brick Works	1938	1:10560
A	On site	Unspecified Pit	1938	1:10560
A	On site	Brick Works	1885	1:10560
A	On site	Unspecified Ground Workings	1885	1:10560
A	On site	Unspecified Pits	1905	1:10560
A	On site	Brick Works	1928	1:10560
A	On site	Unspecified Pits	1928	1:10560



ID	Location	Land Use	Year of mapping	Mapping scale
A	On site	Brick Works	1899	1:10560
A	On site	Unspecified Pit	1899	1:10560
A	On site	Brick Works	1905	1:10560
A	On site	Brick Works	1928	1:10560
A	On site	Unspecified Pits	1928	1:10560
A	On site	Brick Works	1925	1:10560
A	On site	Unspecified Pits	1925	1:10560
A	On site	Brick Works	1899	1:10560
A	On site	Unspecified Pit	1899	1:10560
A	On site	Brick Works	1899	1:10560
A	On site	Unspecified Ground Workings	1899	1:10560
A	20m SE	Gravel Pit	1958	1:10560
A	42m W	Unspecified Pit	1885	1:10560
A	43m W	Unspecified Pit	1899	1:10560
A	43m W	Unspecified Pit	1899	1:10560
A	44m W	Unspecified Pits	1928	1:10560
A	44m W	Unspecified Pits	1928	1:10560
A	46m W	Unspecified Pit	1925	1:10560
A	48m W	Unspecified Pit	1899	1:10560
C	57m NE	Brick Works	1925	1:10560
C	66m NE	Unspecified Pit	1958	1:10560
C	67m NE	Brick Works	1938	1:10560
C	67m NE	Brick Works	1905	1:10560
C	67m NE	Brick Works	1928	1:10560
C	67m NE	Brick Works	1928	1:10560
D	71m W	Unspecified Pit	1925	1:10560
D	74m NW	Unspecified Pit	1885	1:10560
D	76m NW	Unspecified Pit	1899	1:10560



ID	Location	Land Use	Year of mapping	Mapping scale
D	76m NW	Unspecified Pit	1899	1:10560
D	76m NW	Unspecified Pit	1905	1:10560
D	77m NW	Unspecified Pit	1899	1:10560
D	77m NW	Unspecified Pit	1928	1:10560
D	77m NW	Unspecified Pit	1928	1:10560
B	87m E	Brick Works	1938	1:10560
C	100m NE	Unspecified Pits	1928	1:10560
C	100m NE	Unspecified Pits	1928	1:10560
C	101m NE	Unspecified Pit	1938	1:10560
B	110m E	Unspecified Ground Workings	1958	1:10560
C	112m N	Unspecified Ground Workings	1925	1:10560
B	114m E	Brick Works	1928	1:10560
B	114m E	Brick Works	1928	1:10560
B	114m E	Unspecified Ground Workings	1938	1:10560
C	117m N	Unspecified Pit	1938	1:10560
C	118m N	Unspecified Pits	1928	1:10560
C	118m N	Unspecified Pits	1928	1:10560
C	121m N	Unspecified Ground Workings	1905	1:10560
C	126m NE	Unspecified Pit	1925	1:10560
B	137m SE	Unspecified Pit	1905	1:10560
B	137m SE	Brick Works	1905	1:10560
B	140m E	Brick Works	1925	1:10560
B	160m E	Unspecified Heaps	1925	1:10560
B	162m E	Unspecified Heaps	1928	1:10560
B	162m E	Unspecified Heaps	1928	1:10560
B	162m E	Unspecified Heaps	1938	1:10560
B	163m E	Unspecified Heaps	1905	1:10560
B	164m SE	Unspecified Heap	1928	1:10560



ID	Location	Land Use	Year of mapping	Mapping scale
B	164m SE	Unspecified Heap	1928	1:10560
B	178m E	Brick Works	1899	1:10560
B	178m E	Clay Pits	1899	1:10560
B	178m E	Brick Works	1899	1:10560
B	178m E	Clay Pits	1899	1:10560
B	178m E	Brick Works	1899	1:10560
B	179m E	Clay Pits	1885	1:10560
E	199m N	Unspecified Pit	1925	1:10560
E	203m N	Old Clay Pit	1899	1:10560
E	206m N	Old Clay Pit	1885	1:10560
E	206m N	Unspecified Pit	1938	1:10560
E	206m N	Gravel Pit	1958	1:10560
E	207m N	Unspecified Pit	1928	1:10560
E	207m N	Unspecified Pit	1928	1:10560
E	209m N	Old Clay Pit	1899	1:10560
B	212m E	Unspecified Heap	1925	1:10560
E	212m N	Unspecified Pit	1905	1:10560
B	214m E	Unspecified Heap	1928	1:10560
B	214m E	Unspecified Heap	1928	1:10560
B	216m E	Unspecified Heap	1938	1:10560
F	226m N	Unspecified Pit	1925	1:10560
F	230m N	Unspecified Pit	1938	1:10560
F	231m N	Unspecified Pit	1928	1:10560
F	231m N	Unspecified Pit	1928	1:10560
F	234m N	Unspecified Pit	1905	1:10560
B	235m E	Unspecified Pits	1925	1:10560
B	237m E	Unspecified Pits	1928	1:10560
B	237m E	Unspecified Pits	1928	1:10560



ID	Location	Land Use	Year of mapping	Mapping scale
B	239m E	Unspecified Pits	1938	1:10560
B	240m E	Unspecified Pits	1905	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 104](#) >

ID	Location	Site Name	Mineral	Type	Planning Status	Planning Status Date
G	329m SW	Waldingfield Road Chalk Pits	Chalk	Surface mineral working	Valid	16/01/48

This data is sourced from the British Geological Survey.



18.6 Non-coal mining

Records within 1000m

9

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 104](#) >

ID	Location	Name	Commodity	Class	Likelihood
B	On site	Not available	Chalk	A	Underground mine workings are uncommon, although the geology is similar to that worked elsewhere. Potential for difficult ground conditions are unlikely and are at a level where they need not be considered.
2	0m N	Not available	Chalk	B	Underground mine workings may have occurred in the past or current mines may be working at significant depth to modern engineering standards. Potential for difficult ground conditions are unlikely and are at a level where they need not be considered.
L	508m SE	Not available	Chalk	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.
8	628m SE	Not available	Chalk	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.
U	652m SE	Maldon Court	Chalk	D	Underground mining is considered likely to have occurred within or close to the area. The location, extent and nature of mining should be considered in any site investigation. Potential for difficult ground conditions should be considered.
U	702m SE	Maldon Court	Chalk	E	Underground mining is known or considered likely within or very close to the area. The location, extent and nature of mining should be considered in any site investigation. Potential for difficult ground conditions should be considered.
10	715m NW	Not available	Chalk	B	Underground mine workings may have occurred in the past or current mines may be working at significant depth to modern engineering standards. Potential for difficult ground conditions are unlikely and are at a level where they need not be considered.
-	874m W	Not available	Chalk	A	Underground mine workings are uncommon, although the geology is similar to that worked elsewhere. Potential for difficult ground conditions are unlikely and are at a level where they need not be considered.



ID	Location	Name	Commodity	Class	Likelihood
-	979m S	Pot Kiln Primary School	Chalk	D	Underground mining is considered likely to have occurred within or close to the area. The location, extent and nature of mining should be considered in any site investigation. 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

0

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

This data is sourced from Groundsure.



18.10 Mining record office plans

Records within 500m

0

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

This data is sourced from Groundsure.

18.11 BGS mine plans

Records within 500m

0

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

This data is sourced from Groundsure.

18.12 Coal mining

Records on site

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

0

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

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

18.14 Gypsum areas

Records on site

0

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

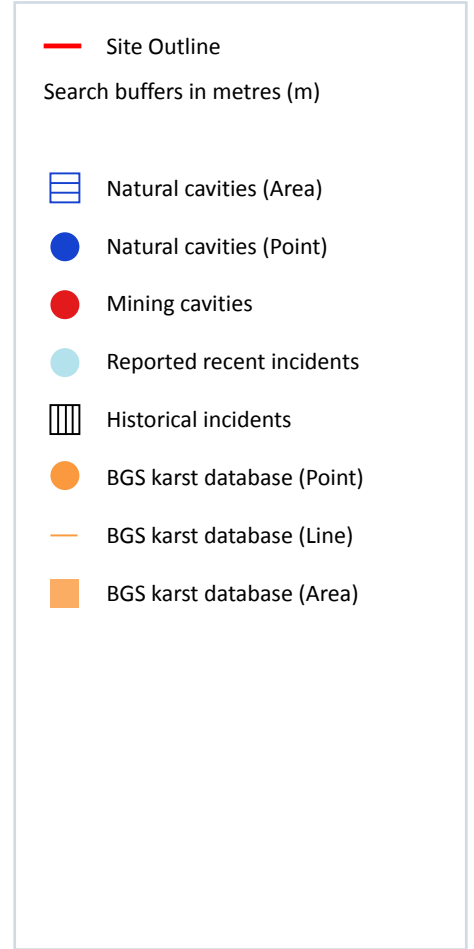
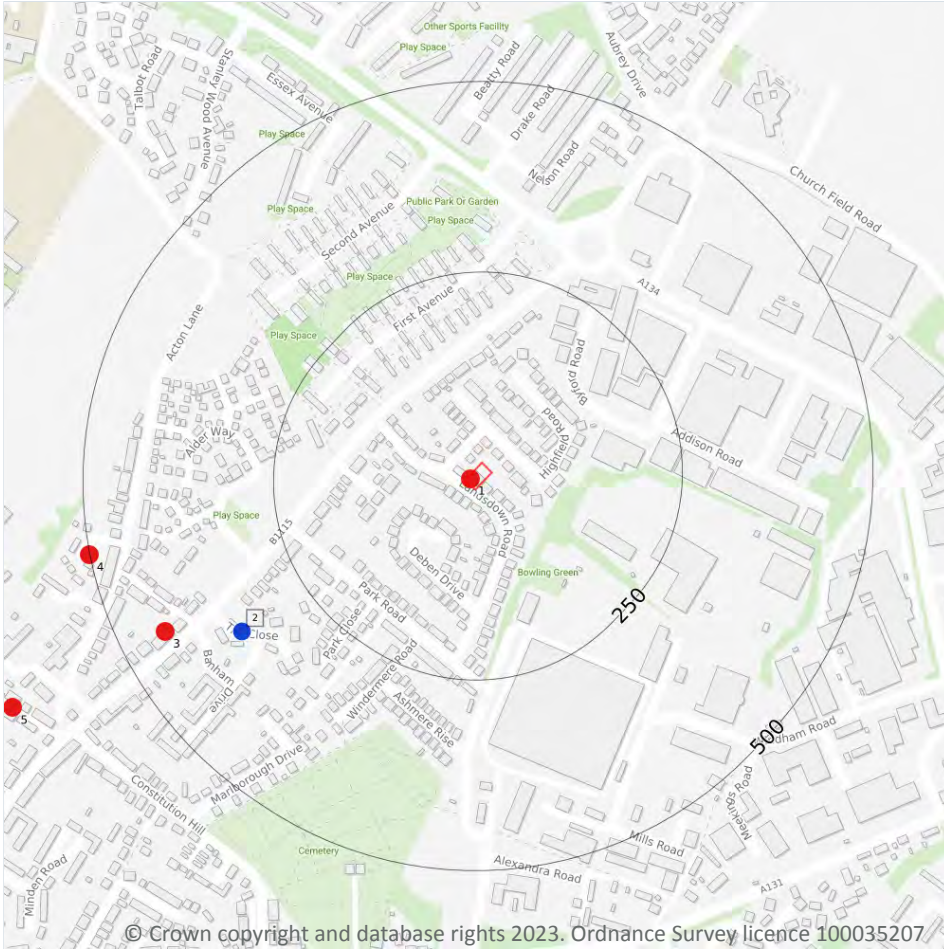
Records on site

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

1

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.

Features are displayed on the Ground cavities and sinkholes map on [page 115](#) >

ID	Location	Details	Source
2	351m SW	Type: Solution Pipe x 1 Superficial Geology: Head, Worked Ground Bedrock Geology: Chalk Group, Lowestoft Formation	Simple Bibliography: - Full Bibliography: WHITAKER, W., PENNING, W.H., DALTON, W.H. AND BENNETT, F.J., The geology of the north west part of Essex and the north east part of Hertfordshire with parts of Cambridgeshire and Suffolk., HMSO, London., 1878; British Geological Survey Memoir (Sheet 222) Confidentiality: Data source can be revealed, data can be used freely

This data is sourced from Stantec UK Ltd.

19.2 Mining cavities

Records within 1000m	10
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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.

Features are displayed on the Ground cavities and sinkholes map on [page 115 >](#)

ID	Location	Mine Address	Mineral	Data source	Publisher
1	On site	California Brick Works, Sudbury, Suffolk	Chalk	-	-
3	438m SW	Victoria Works, Sudbury, Suffolk	Chalk	-	-
4	501m W	Sudbury, Suffolk	Chalk	-	-
5	662m SW	Sudbury, Suffolk	Chalk	-	-
-	793m S	Chilton Brick Works, Sudbury, Suffolk	Chalk	-	-
-	839m S	Great Cornard, Suffolk	Chalk	THE ENG GEOMORP OF KARST DEV AND PRED OF RISK ON CHK OUT CROPS PHD THESIS	UNIVERSITY OF LONDON.
-	842m SE	Great Cornard, Suffolk	Chalk	-	Chelsea Speleological Society
-	844m S	Railway Pit, Sudbury, Suffolk	Chalk	-	-
-	845m SE	Great Cornard, Suffolk	Chalk	THE ENG GEOMORP OF KARST DEV AND PRED OF RISK ON CHK OUT CROPS PHD THESIS	UNIVERSITY OF LONDON.



ID	Location	Mine Address	Mineral	Data source	Publisher
-	933m S	Great Cornard, Suffolk	Chalk	THE ENG GEOMORP OF KARST DEV AND PRED OF RISK ON CHK OUT CROPS PHD THESIS	UNIVERSITY OF LONDON.

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.

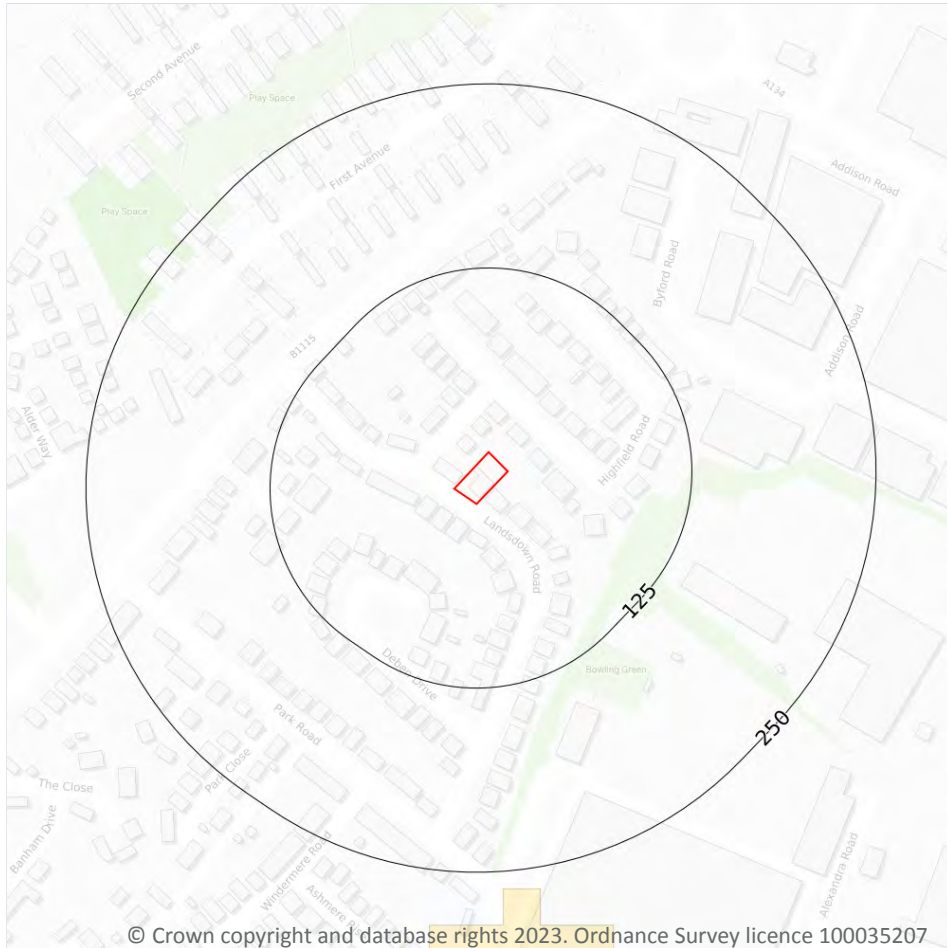
The database is not yet complete, and not all records have been verified. The absence of data does not mean that karst features are not present at a site. A reliability rating is included with each record.



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 119 >](#)

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

5

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

Location	Arsenic	Bioaccessible Arsenic	Lead	Bioaccessible Lead	Cadmium	Chromium	Nickel
On site	15 mg/kg	No data	100 mg/kg	60 mg/kg	1.8 mg/kg	40 - 60 mg/kg	15 - 30 mg/kg
On site	15 mg/kg	No data	100 mg/kg	60 mg/kg	1.8 mg/kg	60 - 90 mg/kg	15 - 30 mg/kg
0m N	15 mg/kg	No data	100 mg/kg	60 mg/kg	1.8 mg/kg	40 - 60 mg/kg	15 - 30 mg/kg
5m W	15 mg/kg	No data	100 mg/kg	60 mg/kg	1.8 mg/kg	60 - 90 mg/kg	15 - 30 mg/kg
25m S	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 km²).

This data is sourced from the British Geological Survey.

21.3 BGS Measured Urban Soil Chemistry

Records within 50m

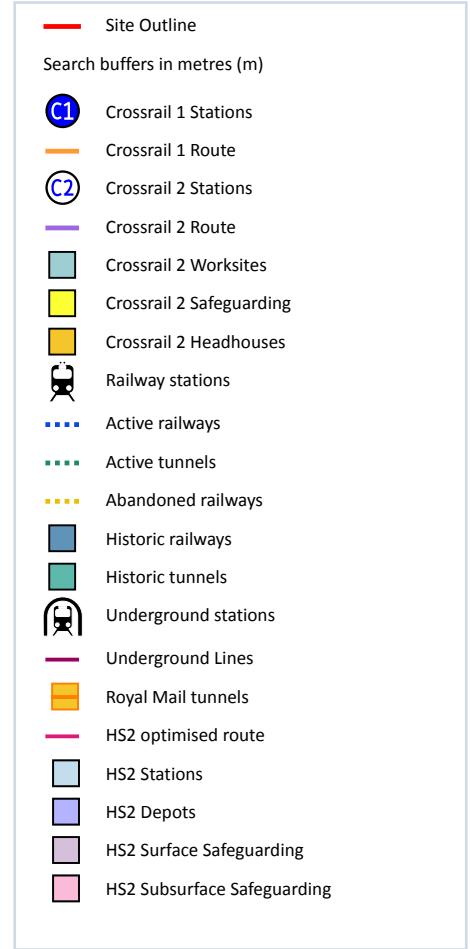
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The locations and measured total concentrations (mg/kg) of Arsenic, Cadmium, Chromium, Copper, Nickel, Lead, Tin and Zinc in urban topsoil samples from 23 urban centres across Great Britain. These are collected at a sample density of 4 per km².

This data is sourced from the British Geological Survey.



22 Railway infrastructure and projects



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

9

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

Features are displayed on the Railway infrastructure and projects map on [page 122 >](#)

Location	Land Use	Year of mapping	Mapping scale
150m E	Tramway Sidings	1928	10560
152m SE	Tramway Sidings	1925	10560
155m SE	Railway Sidings	1938	10560
158m E	Tramway Sidings	1926	2500
158m E	Tramway Sidings	1905	10560
188m E	Tramway Sidings	1899	10560
192m E	Tramway Sidings	1899	10560
195m E	Tramway Sidings	1885	2500
213m SE	Tramway Sidings	1902	2500

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> ↗.

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



APPENDIX C: HISTORICAL MAPS

Large scale maps (report reference GS-JYX-QSP-T1Y-TWS_LargeScale)

Small scale maps (report reference GS-JYX-QSP-T1Y-TWS_SmallScale)



Site Details:

21, LANDSDOWN ROAD,
SUDBURY, CO10 2QG

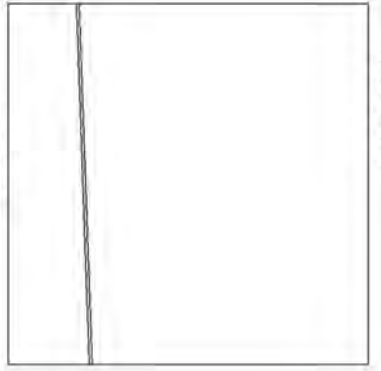
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Report Ref: GS-JYX-QSP-T1Y-TWS
Grid Ref: 588209, 242003

Map Name: County Series

Map date: 1885

Scale: 1:2,500

Printed at: 1:2,500

Surveyed 1885
Revised 1885
Edition N/A
Copyright N/A
Levelled N/A

Surveyed 1885
Revised 1885
Edition N/A
Copyright N/A
Levelled N/A

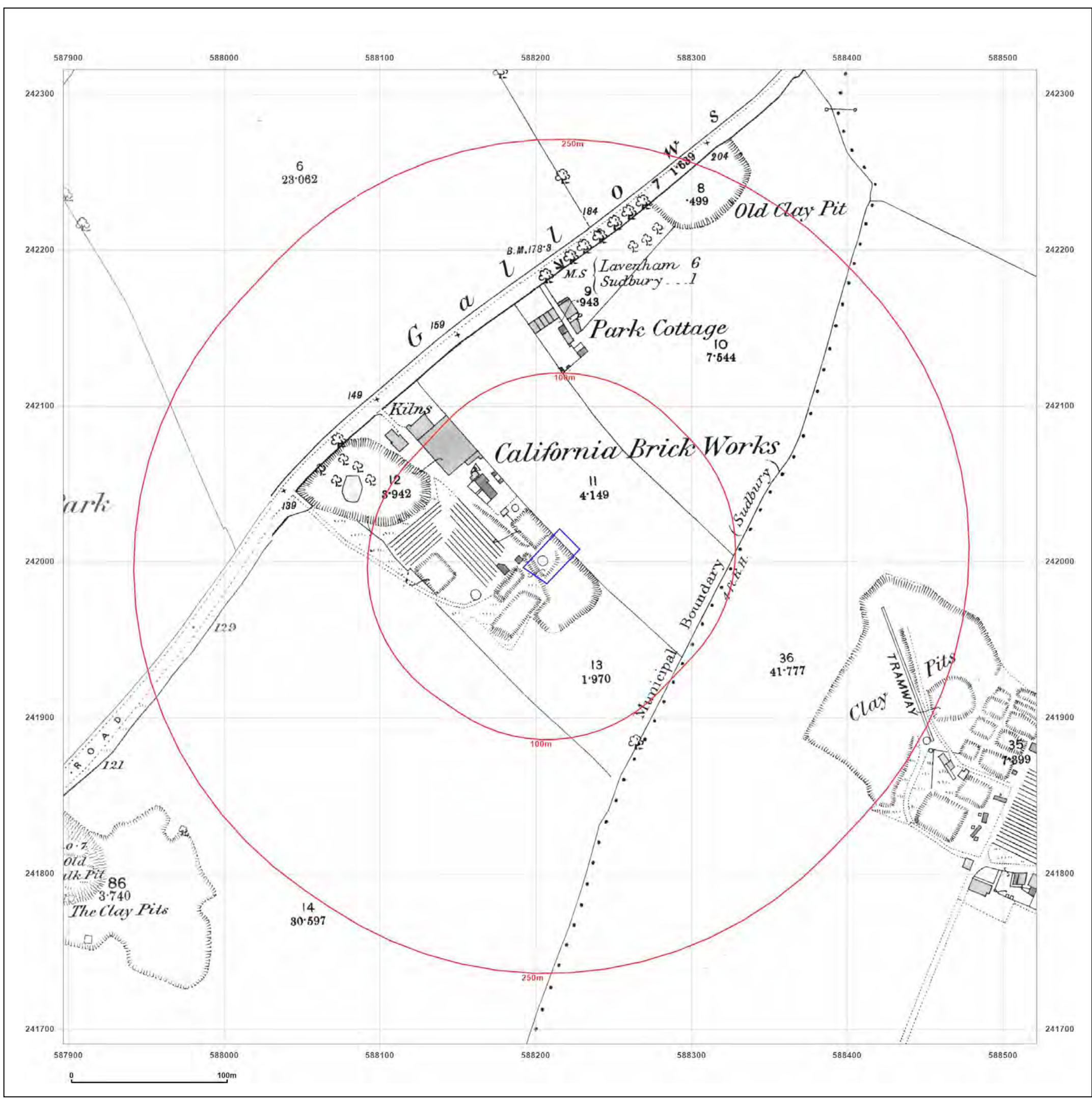


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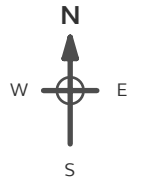
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www.groundsure.com/sites/default/files/groundsure_legend.pdf



Site Details:
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 SUDBURY, CO10 2QG

Client Ref: RCER_23-324
Report Ref: GS-JYX-QSP-T1Y-TWS
Grid Ref: 588209, 242003

Map Name: County Series
Map date: 1901-1902
Scale: 1:2,500
Printed at: 1:2,500



Surveyed 1902
 Revised 1902
 Edition N/A
 Copyright N/A
 Levelled N/A

Surveyed 1901
 Revised 1901
 Edition N/A
 Copyright N/A
 Levelled N/A

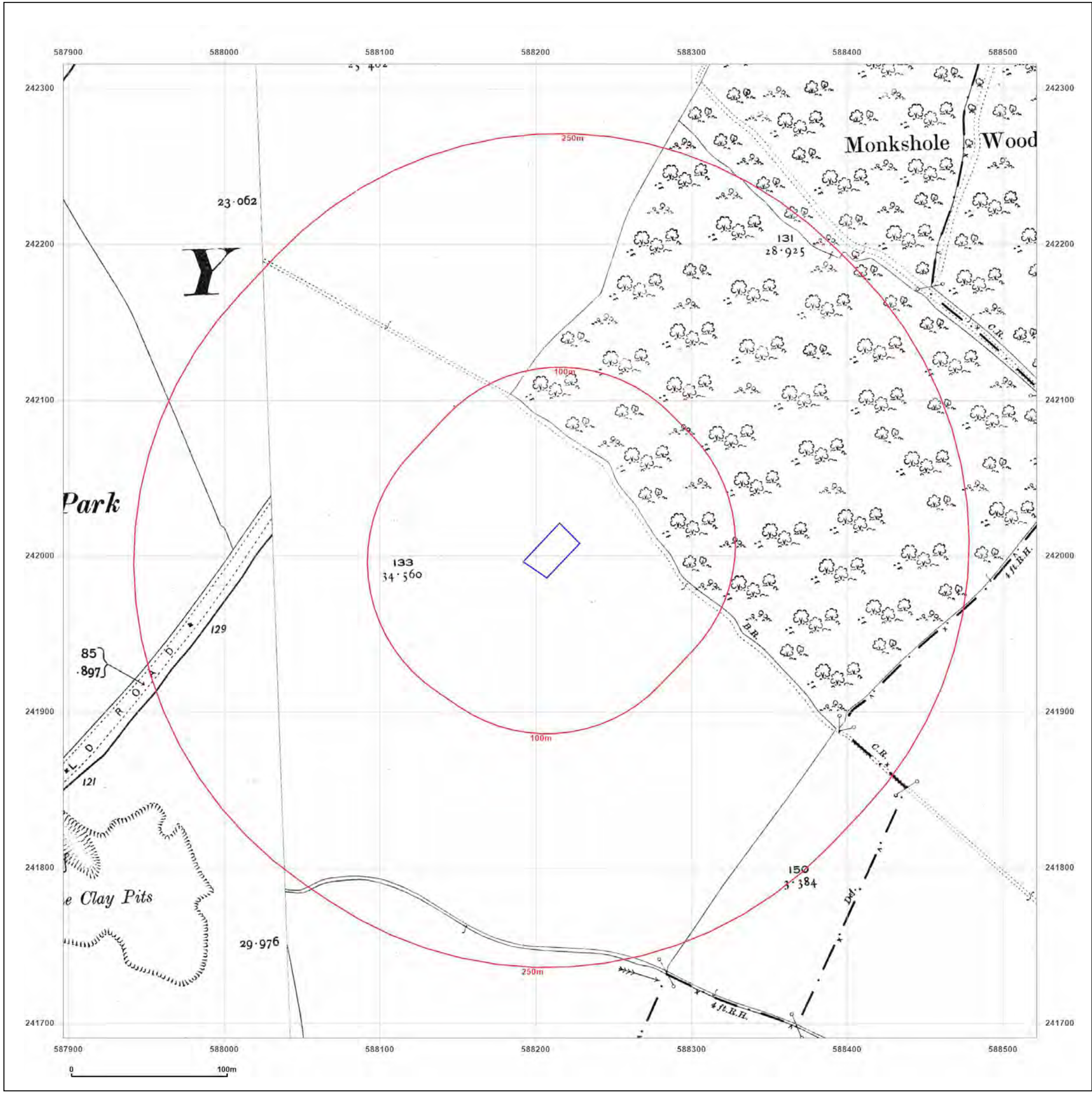


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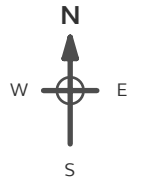
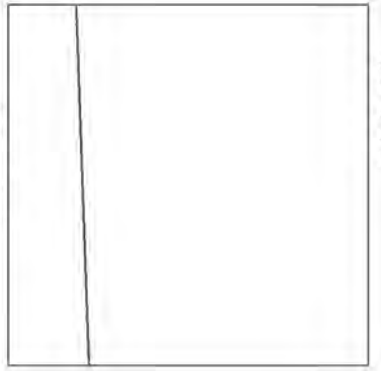
Map legend available at:
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 SUDBURY, CO10 2QG

Client Ref: RCER_23-324
Report Ref: GS-JYX-QSP-T1Y-TWS
Grid Ref: 588209, 242003

Map Name: County Series
Map date: 1897-1902
Scale: 1:2,500
Printed at: 1:2,500

Surveyed 1897
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 Edition N/A
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Surveyed 1902
 Revised 1902
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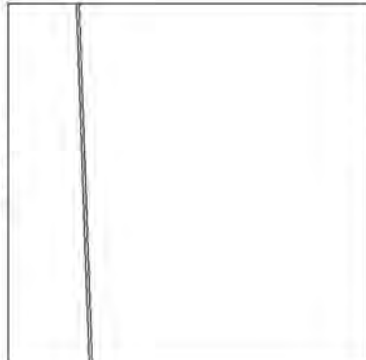
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Report Ref: GS-JYX-QSP-T1Y-TWS
Grid Ref: 588209, 242003

Map Name: County Series

Map date: 1926

Scale: 1:2,500

Printed at: 1:2,500

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

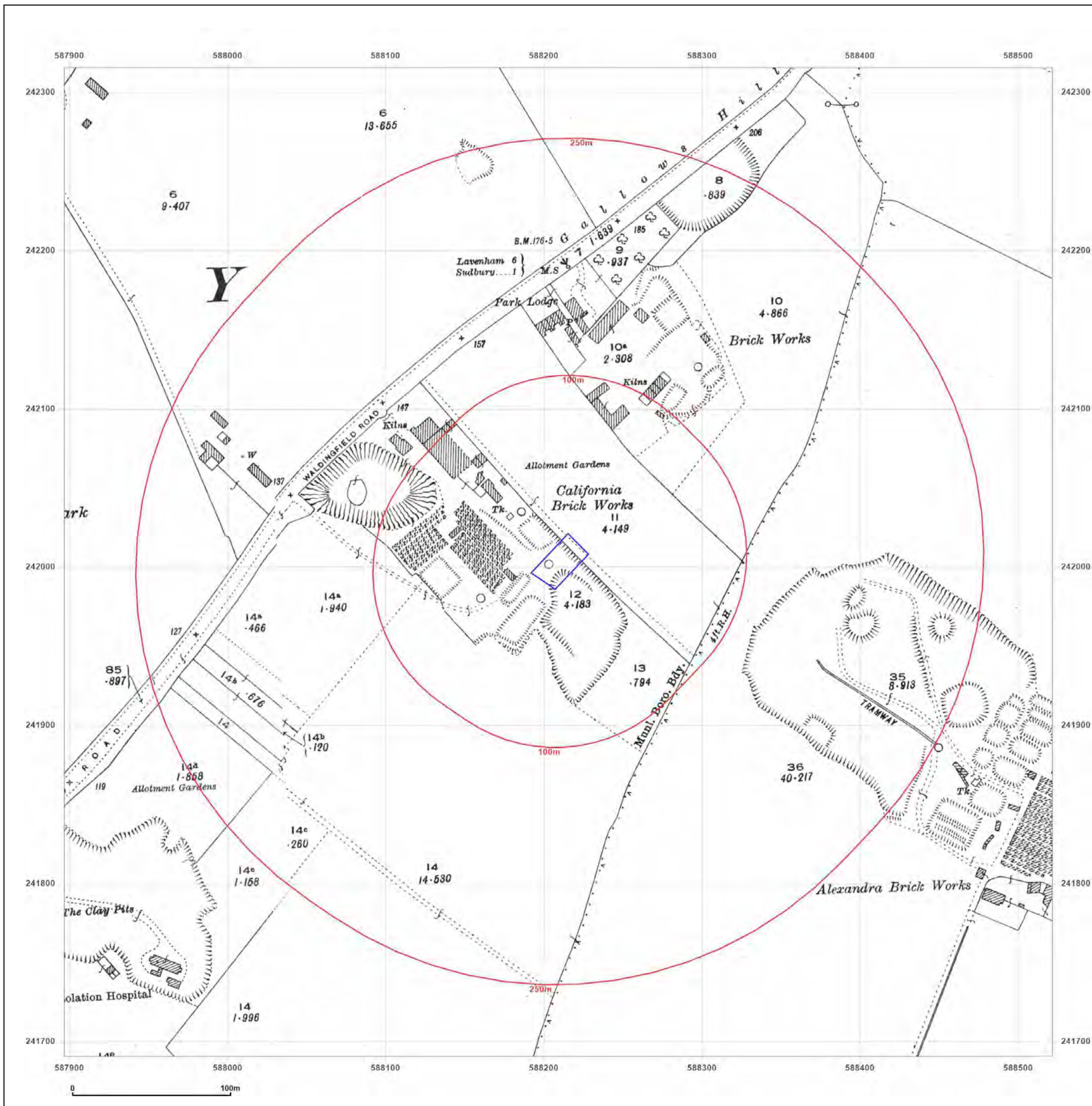


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Client Ref: RCER_23-324
Report Ref: GS-JYX-QSP-T1Y-TWS
Grid Ref: 588209, 242003

Map Name: National Grid
Map date: 1955
Scale: 1:2,500
Printed at: 1:2,500



Surveyed 1955 Revised 1955 Edition N/A Copyright N/A Levelled 1950	Surveyed 1955 Revised 1955 Edition N/A Copyright N/A Levelled 1950
Surveyed 1955 Revised 1955 Edition N/A Copyright N/A Levelled 1950	Surveyed 1955 Revised 1955 Edition N/A Copyright N/A Levelled 1950

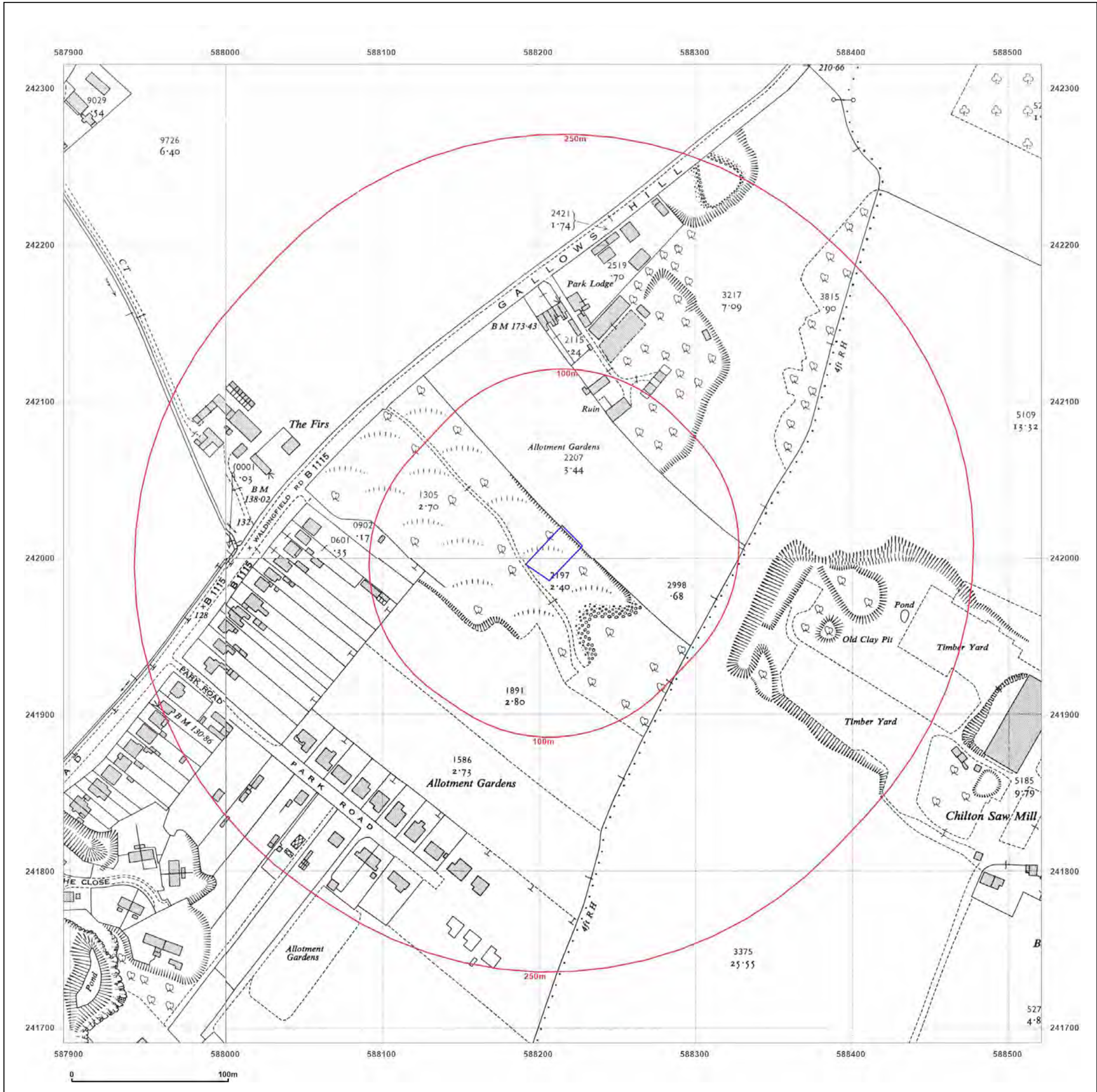


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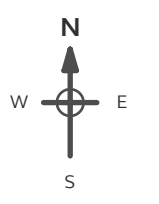
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Report Ref: GS-JYX-QSP-T1Y-TWS
Grid Ref: 588209, 242003

Map Name: National Grid

Map date: 1970-1972

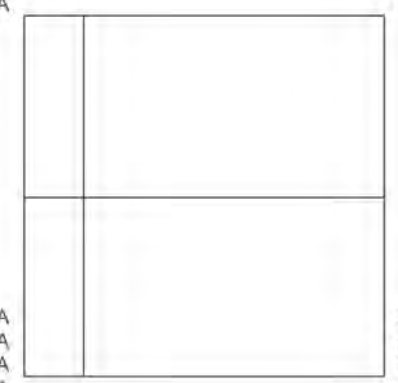
Scale: 1:2,500

Printed at: 1:2,500



Surveyed N/A
Revised N/A
Edition N/A
Copyright 1971
Levelled N/A

Surveyed 1955
Revised 1969
Edition N/A
Copyright 1970
Levelled 1960



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

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

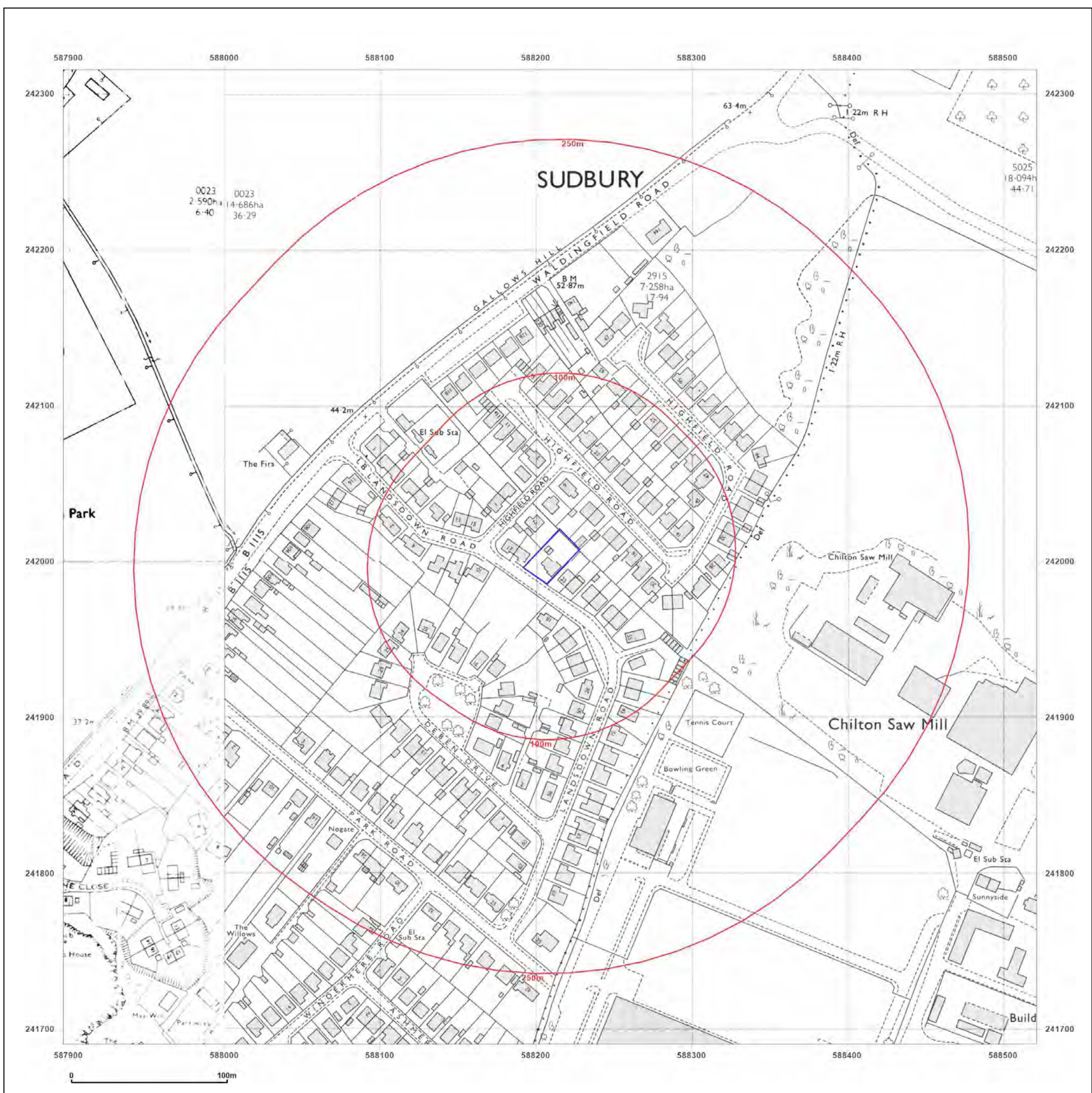


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Client Ref: RCER_23-324
Report Ref: GS-JYX-QSP-T1Y-TWS
Grid Ref: 588209, 242003

Map Name: National Grid

Map date: 1971-1972

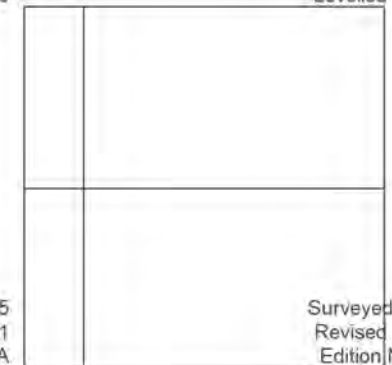
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Edition N/A
Copyright 1971
Levelled 1960

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



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Revised 1971
Edition N/A
Copyright 1972
Levelled 1960

Surveyed N/A
Revised N/A
Edition N/A
Copyright 1972
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Client Ref: RCER_23-324
Report Ref: GS-JYX-QSP-T1Y-TWS
Grid Ref: 588209, 242003

Map Name: National Grid

Map date: 1976

Scale: 1:1,250

Printed at: 1:2,000



Surveyed 1976 Revised 1976 Edition N/A Copyright 1976 Levelled 1960	Surveyed 1976 Revised 1976 Edition N/A Copyright 1976 Levelled 1960
Surveyed 1975 Revised 1975 Edition N/A Copyright 1976 Levelled 1960	Surveyed 1976 Revised 1976 Edition N/A Copyright 1976 Levelled 1960



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Client Ref: RCER_23-324
Report Ref: GS-JYX-QSP-T1Y-TWS
Grid Ref: 588209, 242003

Map Name: National Grid

Map date: 1981

Scale: 1:1,250

Printed at: 1:2,000



Surveyed N/A Revised N/A Edition N/A Copyright 1981 Levelled 1978	Surveyed 1978 Revised 1981 Edition N/A Copyright 1981 Levelled 1978
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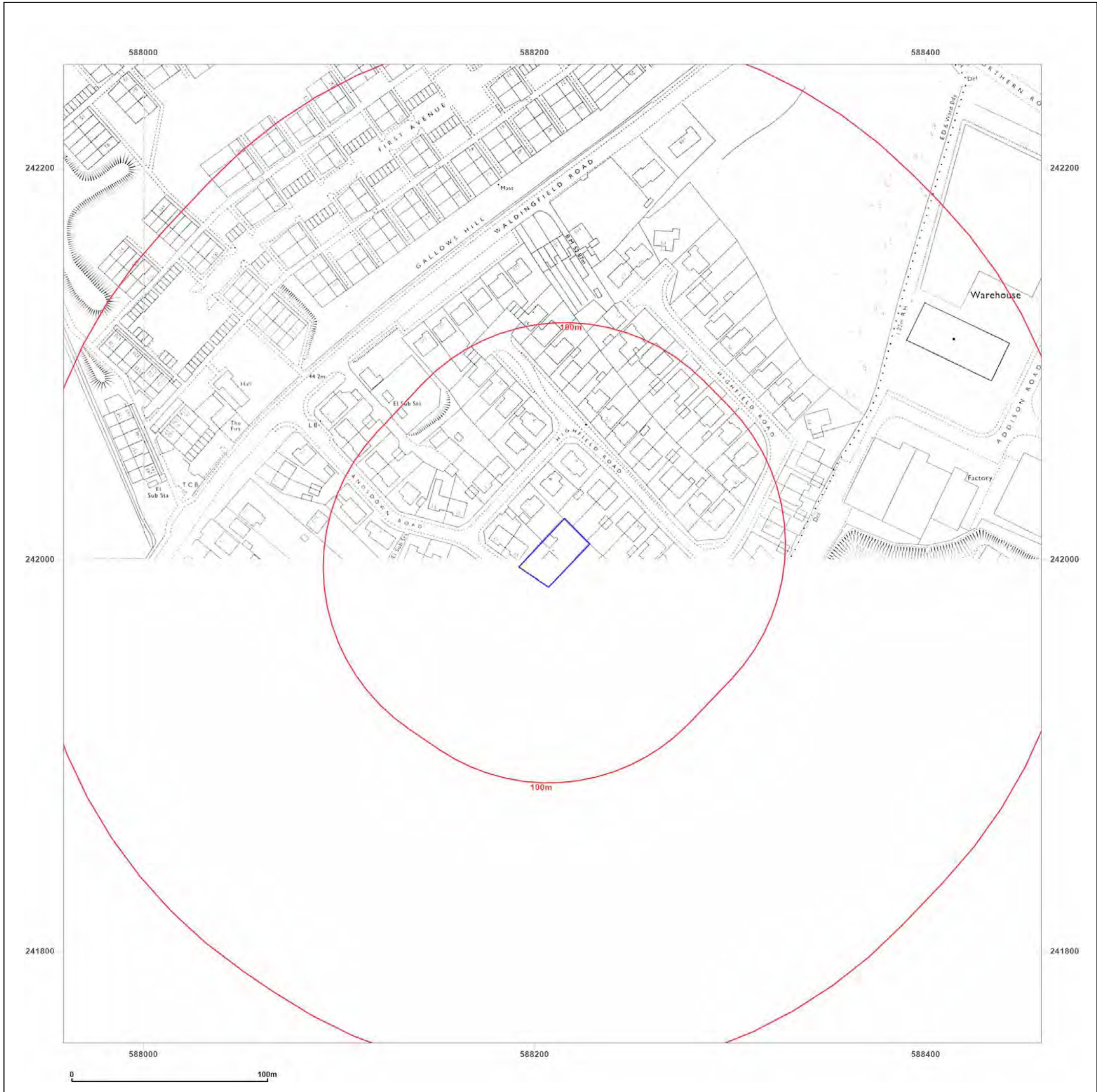


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Client Ref: RCER_23-324
Report Ref: GS-JYX-QSP-T1Y-TWS
Grid Ref: 588209, 242003

Map Name: National Grid

Map date: 1985-1990

Scale: 1:1,250

Printed at: 1:2,000



Surveved N/A Revised N/A Edition N/A Copyright 1986 Levelled 1978	Surveved 1978 Revised 1985 Edition N/A Copyright 1985 Levelled 1978
Surveved 1960 Revised 1990 Edition N/A Copyright 1990 Levelled 1960	Surveved N/A Revised N/A Edition N/A Copyright 1990 Levelled N/A



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SUDBURY, CO10 2QG

Client Ref: RCER_23-324
Report Ref: GS-JYX-QSP-T1Y-TWS
Grid Ref: 588209, 242003

Map Name: National Grid

Map date: 1993

Scale: 1:1,250

Printed at: 1:2,000



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



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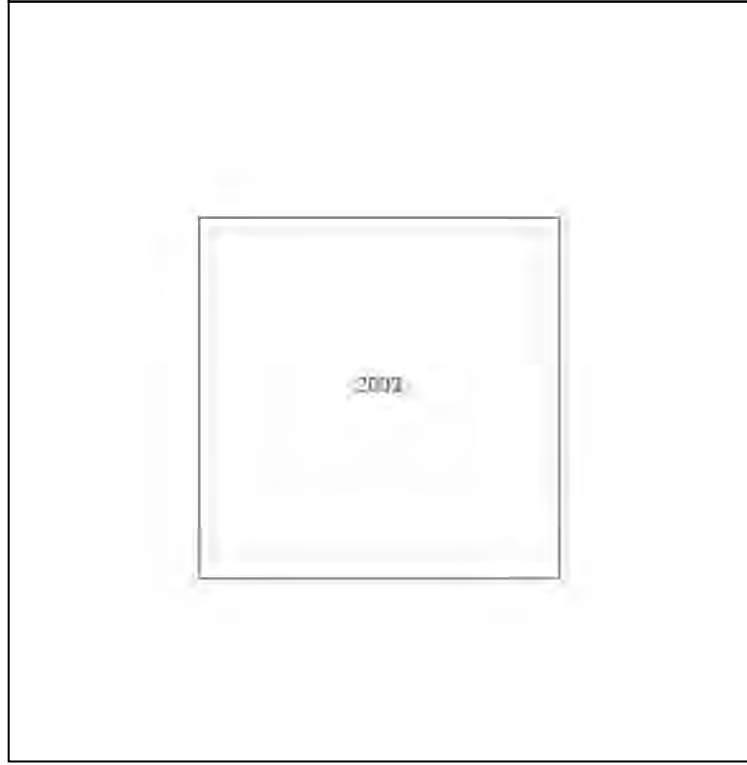
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Report Ref: GS-JYX-QSP-T1Y-TWS
Grid Ref: 588209, 242003

Map Name: LandLine

Map date: 2003

Scale: 1:1,250

Printed at: 1:1,250



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Client Ref: RCER_23-324
Report Ref: GS-JYX-QSP-T1Y-TWS
Grid Ref: 588209, 242003

Map Name: County Series

Map date: 1885

Scale: 1:10,560

Printed at: 1:10,560



Surveyed 1885
Revised 1885
Edition N/A
Copyright N/A
Levelled N/A

Surveyed 1885
Revised 1885
Edition N/A
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Site Details:

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SUDBURY, CO10 2QG

Client Ref: RCER_23-324
Report Ref: GS-JYX-QSP-T1Y-TWS
Grid Ref: 588209, 242003

Map Name: County Series

Map date: 1888

Scale: 1:10,560

Printed at: 1:10,560



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

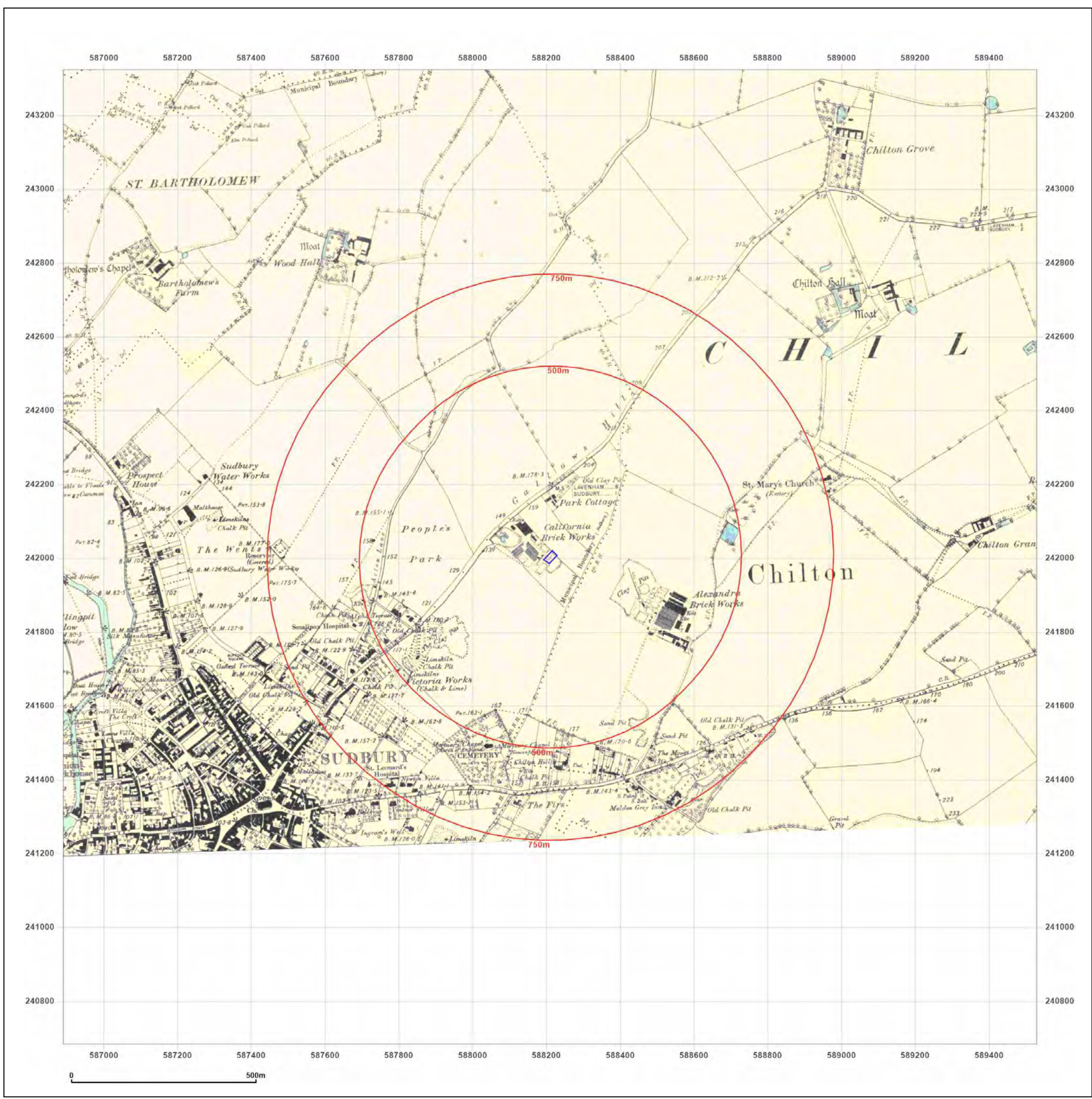


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Site Details:

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SUDBURY, CO10 2QG

Client Ref: RCER_23-324
Report Ref: GS-JYX-QSP-T1Y-TWS
Grid Ref: 588209, 242003

Map Name: County Series

Map date: 1899

Scale: 1:10,560

Printed at: 1:10,560



Surveyed 1885
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Edition N/A
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Levelled N/A

Surveyed 1885
Revised 1896
Edition N/A
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Map legend available at:
www.groundsure.com/sites/default/files/groundsure_legend.pdf



Site Details:

21, LANDSDOWN ROAD,
SUDBURY, CO10 2QG

Client Ref: RCER_23-324
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Map date: 1899

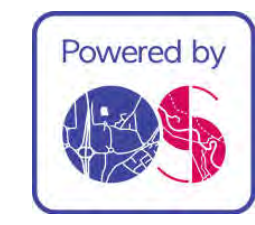
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Surveyed 1876
Revised 1899
Edition 1899
Copyright N/A
Levelled N/A

Surveyed 1876
Revised 1899
Edition 1899
Copyright N/A
Levelled N/A

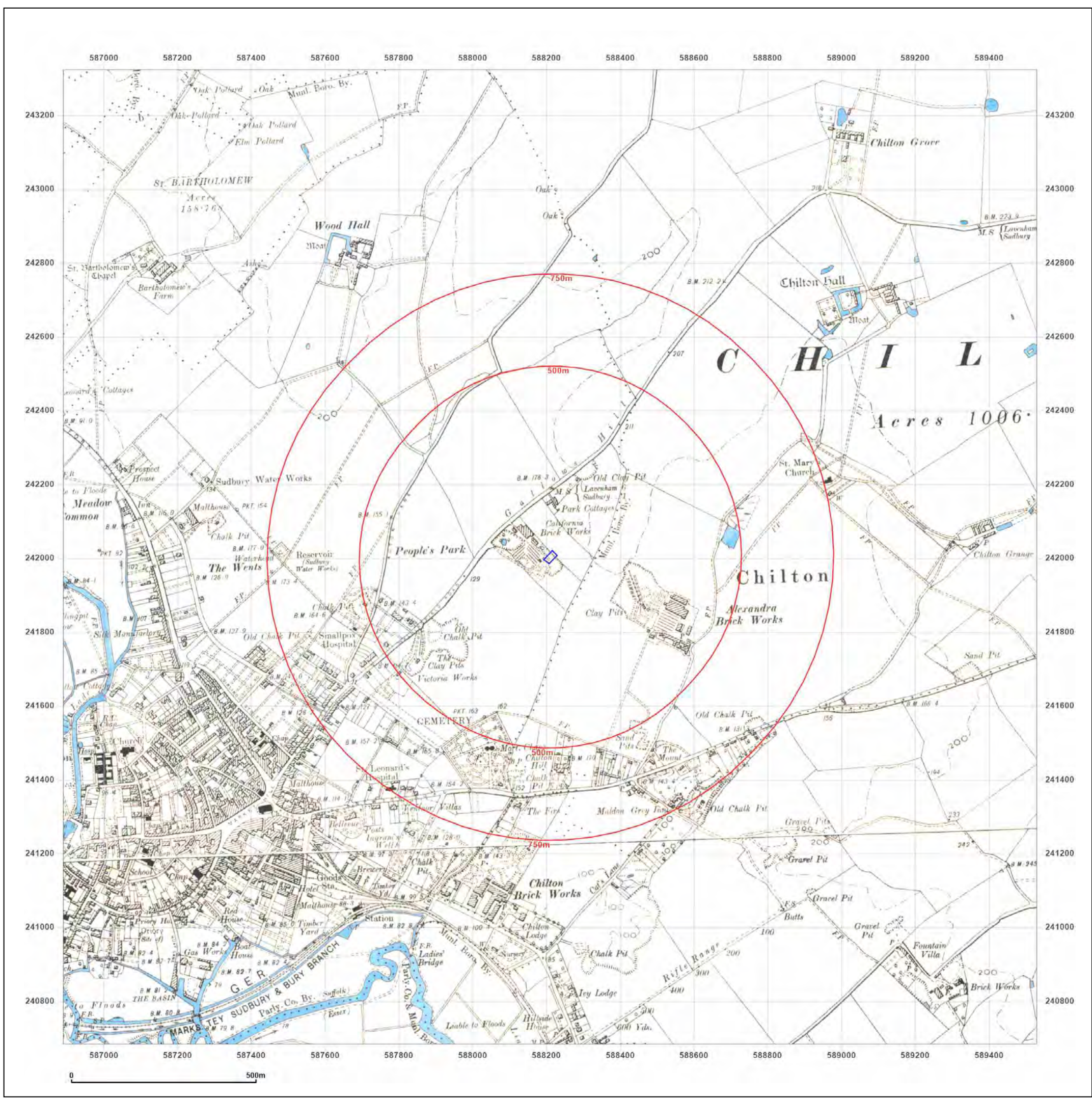


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Client Ref: RCER_23-324
Report Ref: GS-JYX-QSP-T1Y-TWS
Grid Ref: 588209, 242003

Map Name: County Series

Map date: 1901-1905

Scale: 1:10,560

Printed at: 1:10,560



Surveyed N/A
Revised 1905
Edition N/A
Copyright N/A
Levelled N/A

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

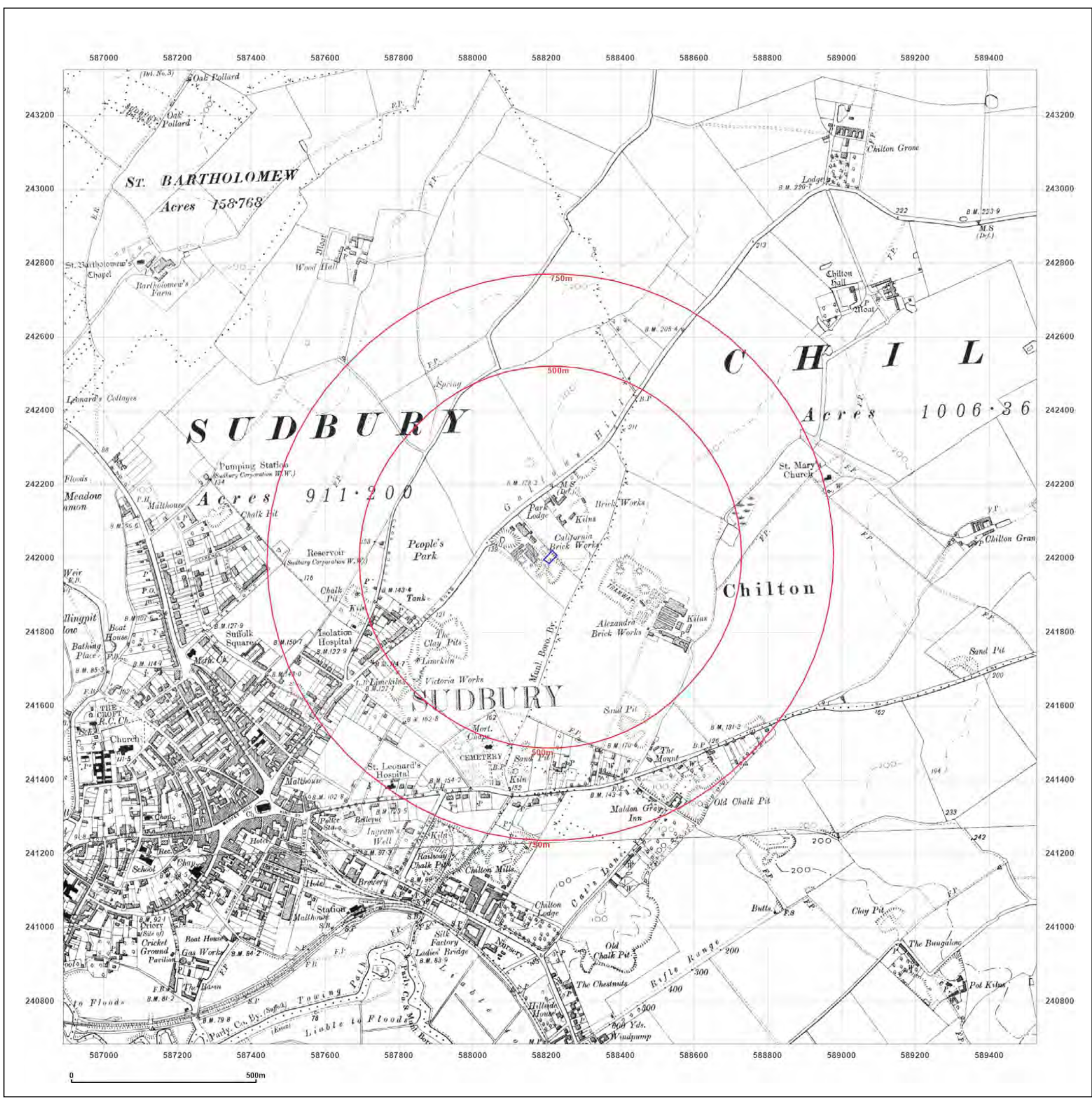


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Site Details:

21, LANDSDOWN ROAD,
SUDBURY, CO10 2QG

Client Ref: RCER_23-324
Report Ref: GS-JYX-QSP-T1Y-TWS
Grid Ref: 588209, 242003

Map Name: County Series

Map date: 1905

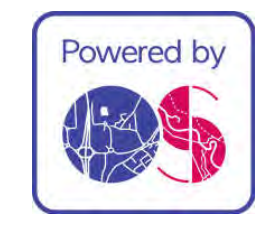
Scale: 1:10,560

Printed at: 1:10,560



Surveyed 1876
Revised 1902
Edition 1905
Copyright N/A
Levelled N/A

Surveyed 1876
Revised 1905
Edition N/A
Copyright N/A
Levelled N/A

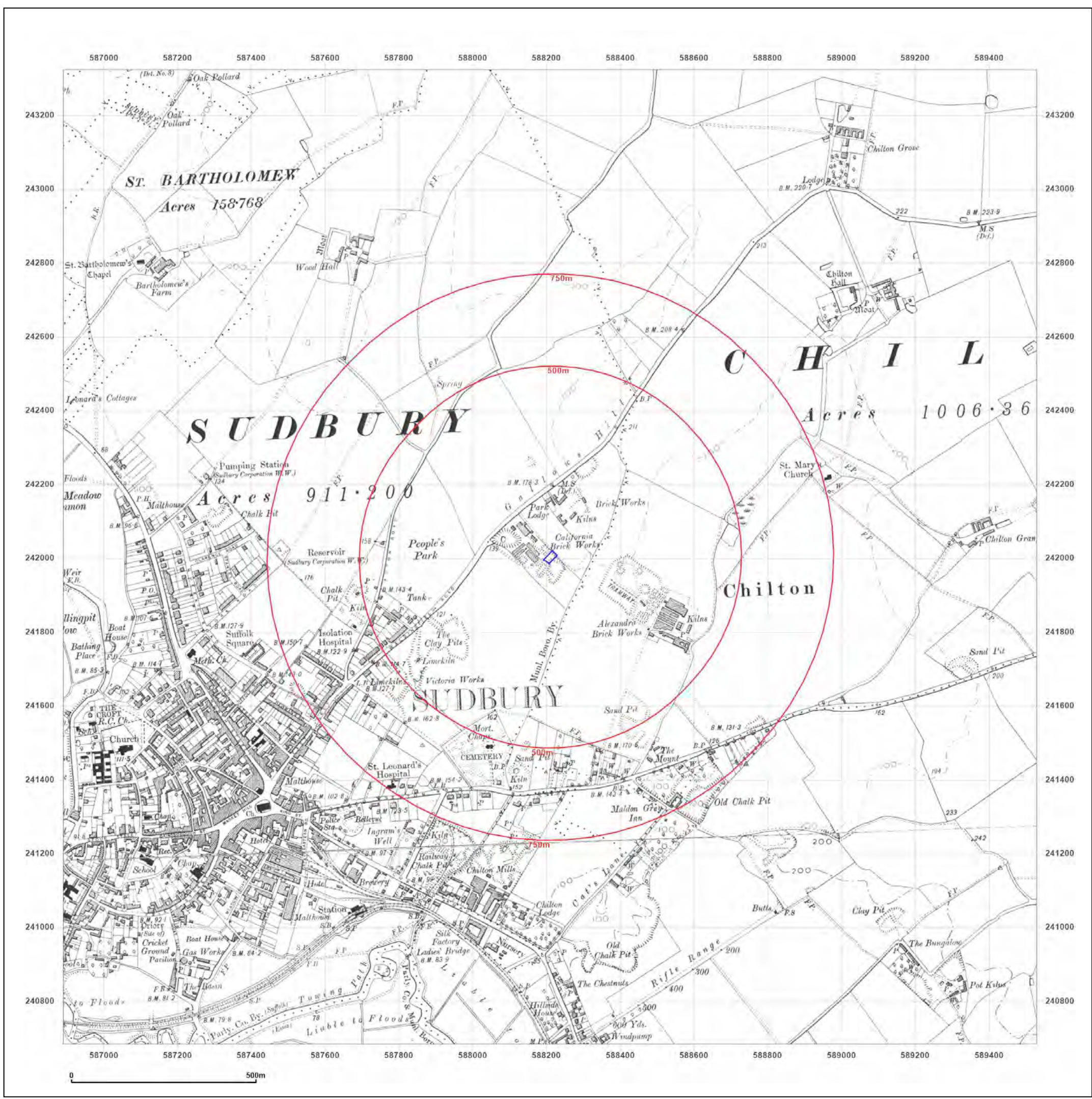


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Site Details:

21, LANDSDOWN ROAD,
SUDBURY, CO10 2QG

Client Ref: RCER_23-324
Report Ref: GS-JYX-QSP-T1Y-TWS
Grid Ref: 588209, 242003

Map Name: County Series

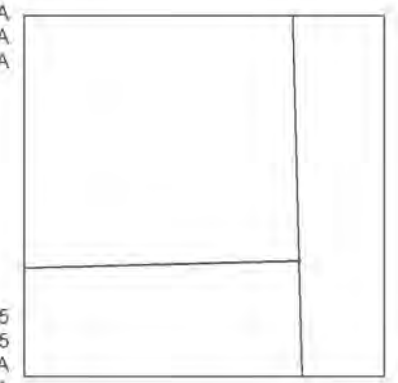
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Scale: 1:10,560

Printed at: 1:10,560



Surveyed 1875
Revised 1925
Edition N/A
Copyright N/A
Levelled N/A



Surveyed 1875
Revised 1925
Edition N/A
Copyright N/A
Levelled N/A

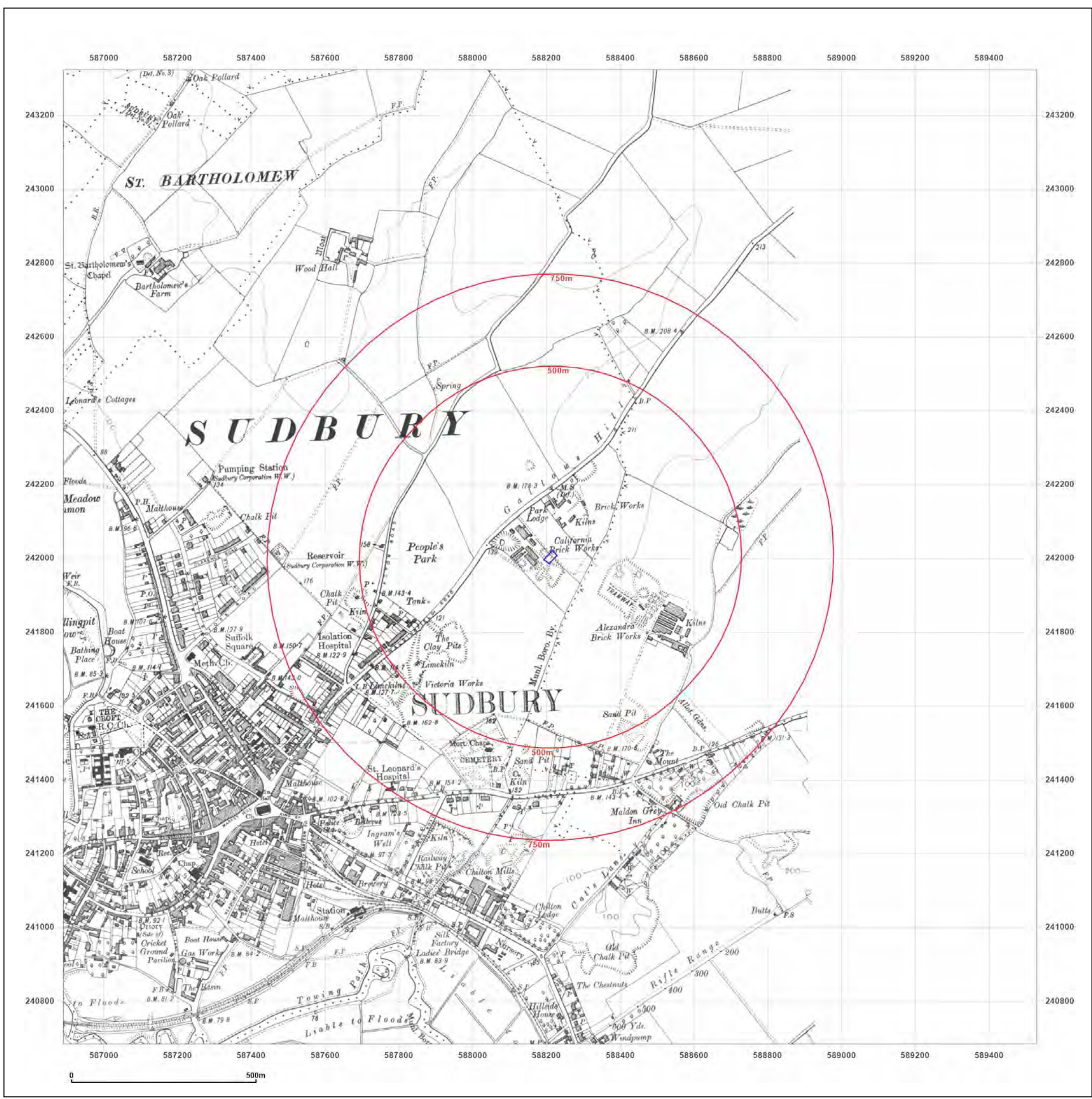


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Site Details:

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Client Ref: RCER_23-324
Report Ref: GS-JYX-QSP-T1Y-TWS
Grid Ref: 588209, 242003

Map Name: County Series

Map date: 1928

Scale: 1:10,560

Printed at: 1:10,560



Surveyed 1885
Revised 1928
Edition 1928
Copyright N/A
Levelled N/A

Surveyed 1885
Revised 1928
Edition 1928
Copyright N/A
Levelled N/A

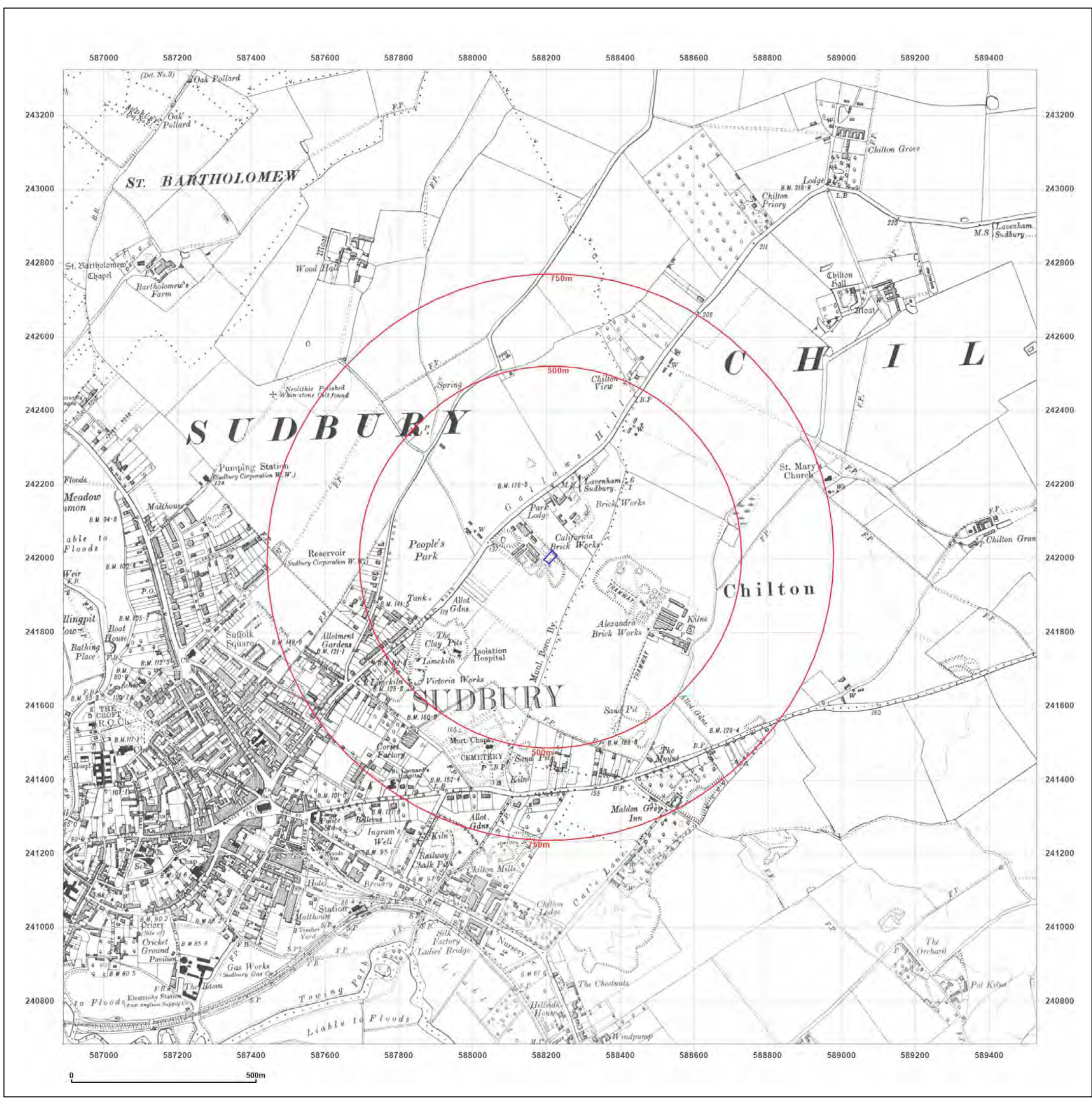


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SUDBURY, CO10 2QG

Client Ref: RCER_23-324
Report Ref: GS-JYX-QSP-T1Y-TWS
Grid Ref: 588209, 242003

Map Name: County Series

Map date: 1938

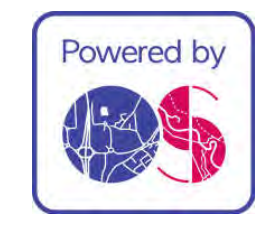
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Printed at: 1:10,560



Surveyed 1885
Revised 1938
Edition N/A
Copyright N/A
Levelled N/A

Surveyed 1885
Revised 1938
Edition N/A
Copyright N/A
Levelled N/A

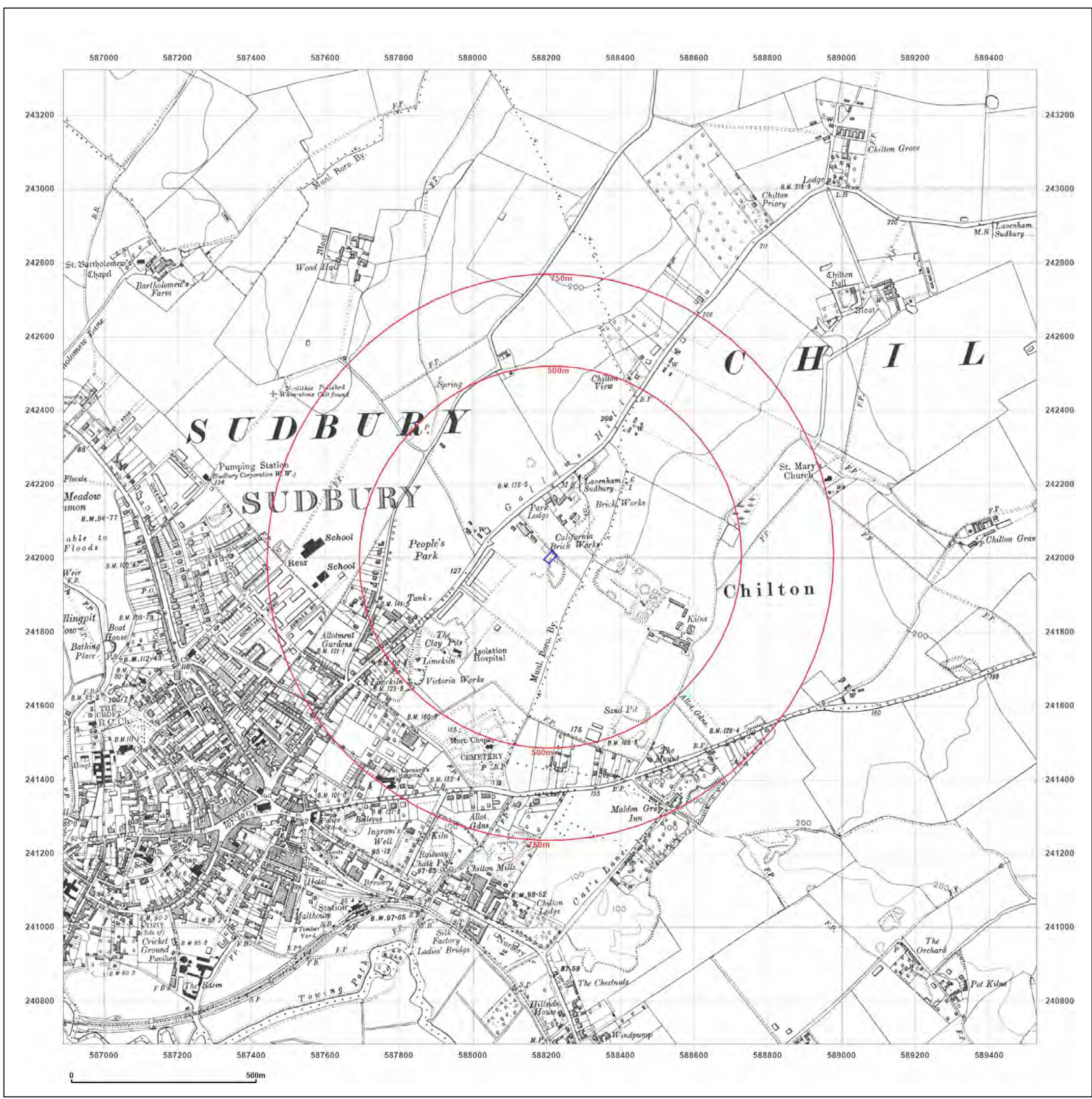


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Client Ref: RCER_23-324
Report Ref: GS-JYX-QSP-T1Y-TWS
Grid Ref: 588209, 242003

Map Name: Provisional

Map date: 1958

Scale: 1:10,560

Printed at: 1:10,560



Surveyed 1958
Revised 1958
Edition N/A
Copyright N/A
Levelled N/A

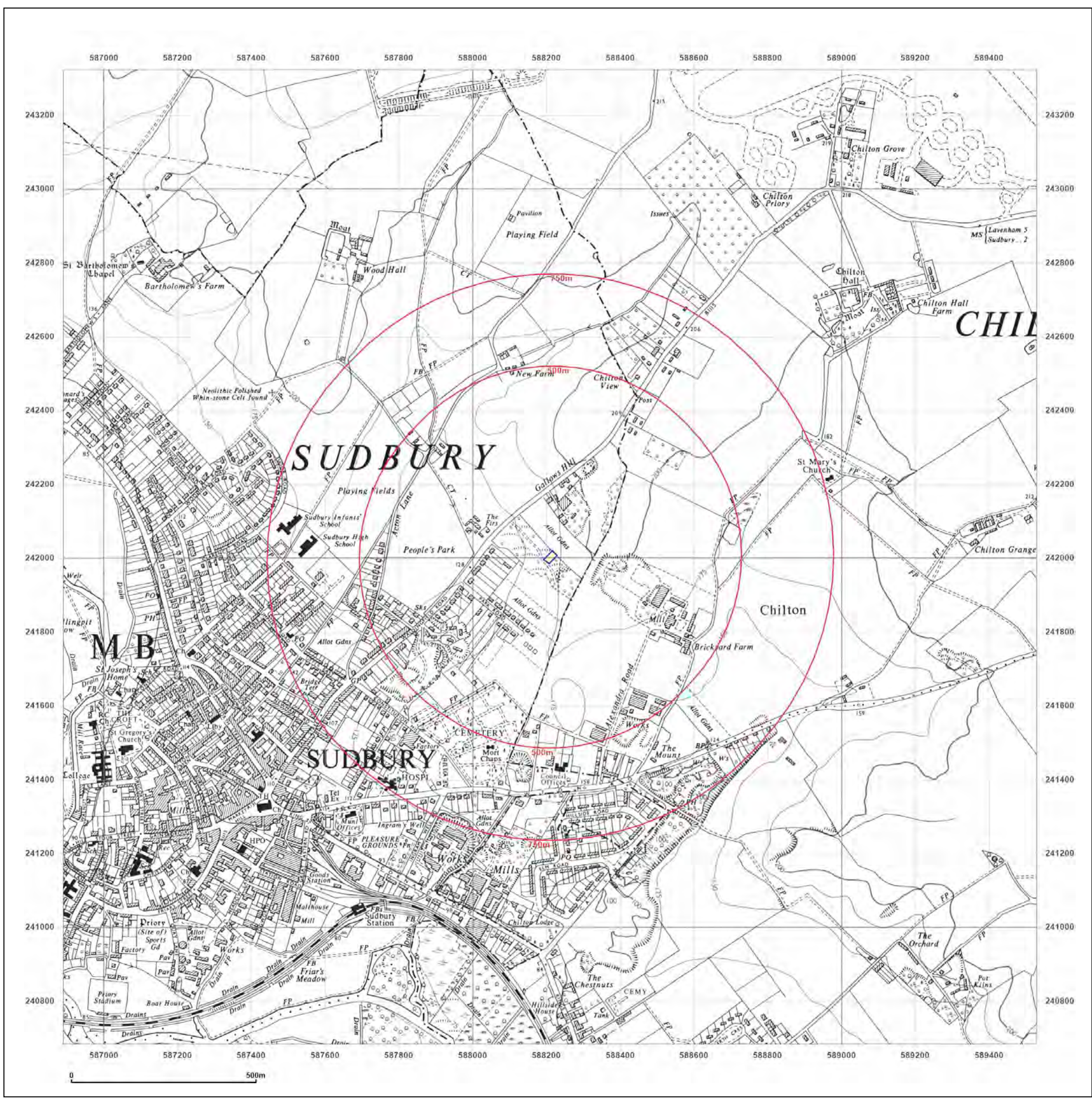


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Client Ref: RCER_23-324
Report Ref: GS-JYX-QSP-T1Y-TWS
Grid Ref: 588209, 242003

Map Name: National Grid

Map date: 1973

Scale: 1:10,000

Printed at: 1:10,000



Surveyed 1971
Revised 1972
Edition N/A
Copyright 1973
Levelled 1957

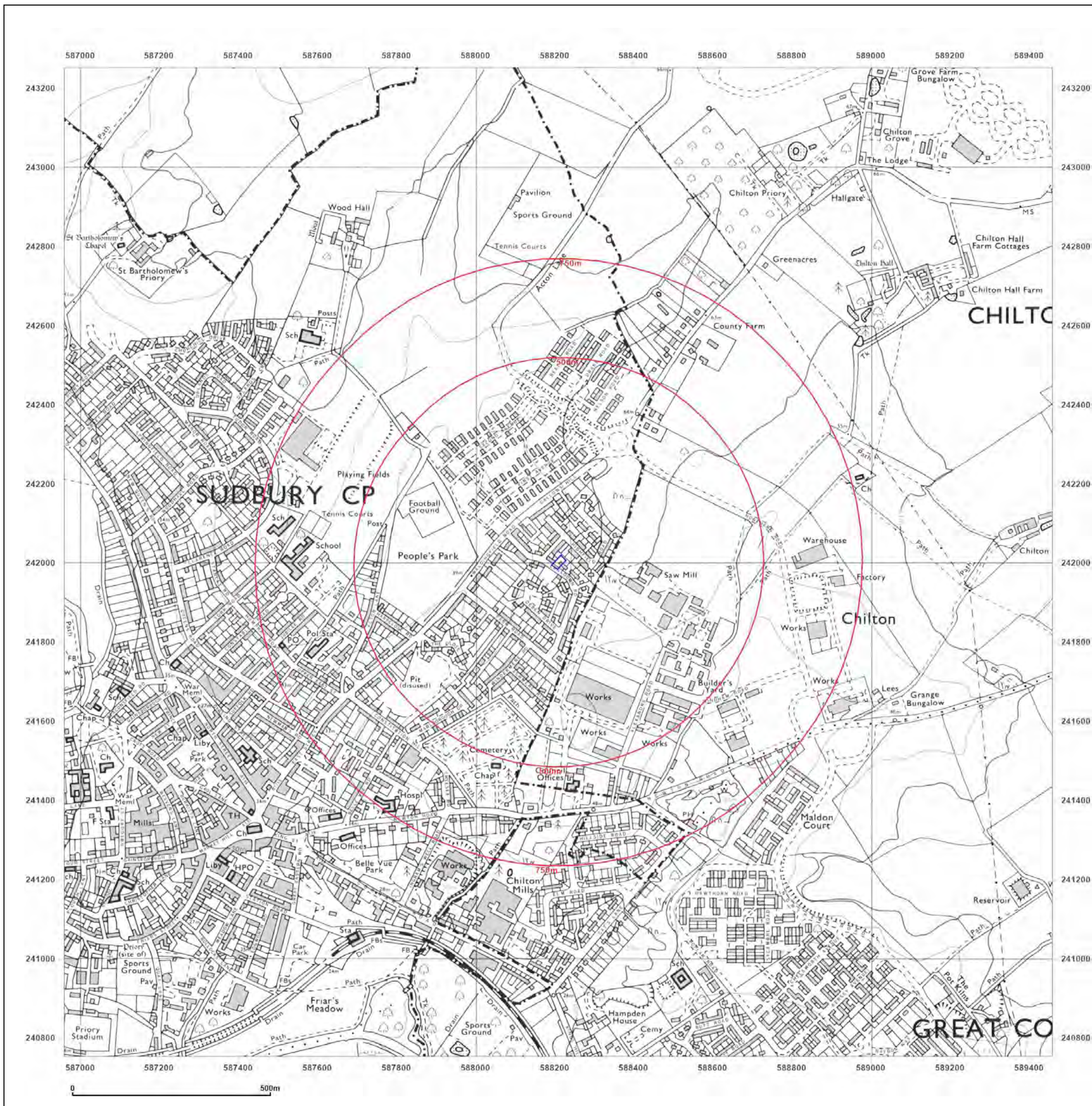


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Site Details:

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Client Ref: RCER_23-324
Report Ref: GS-JYX-QSP-T1Y-TWS
Grid Ref: 588209, 242003

Map Name: National Grid

Map date: 1980

Scale: 1:10,000

Printed at: 1:10,000



Surveyed 1977
Revised 1980
Edition N/A
Copyright N/A
Levelled N/A

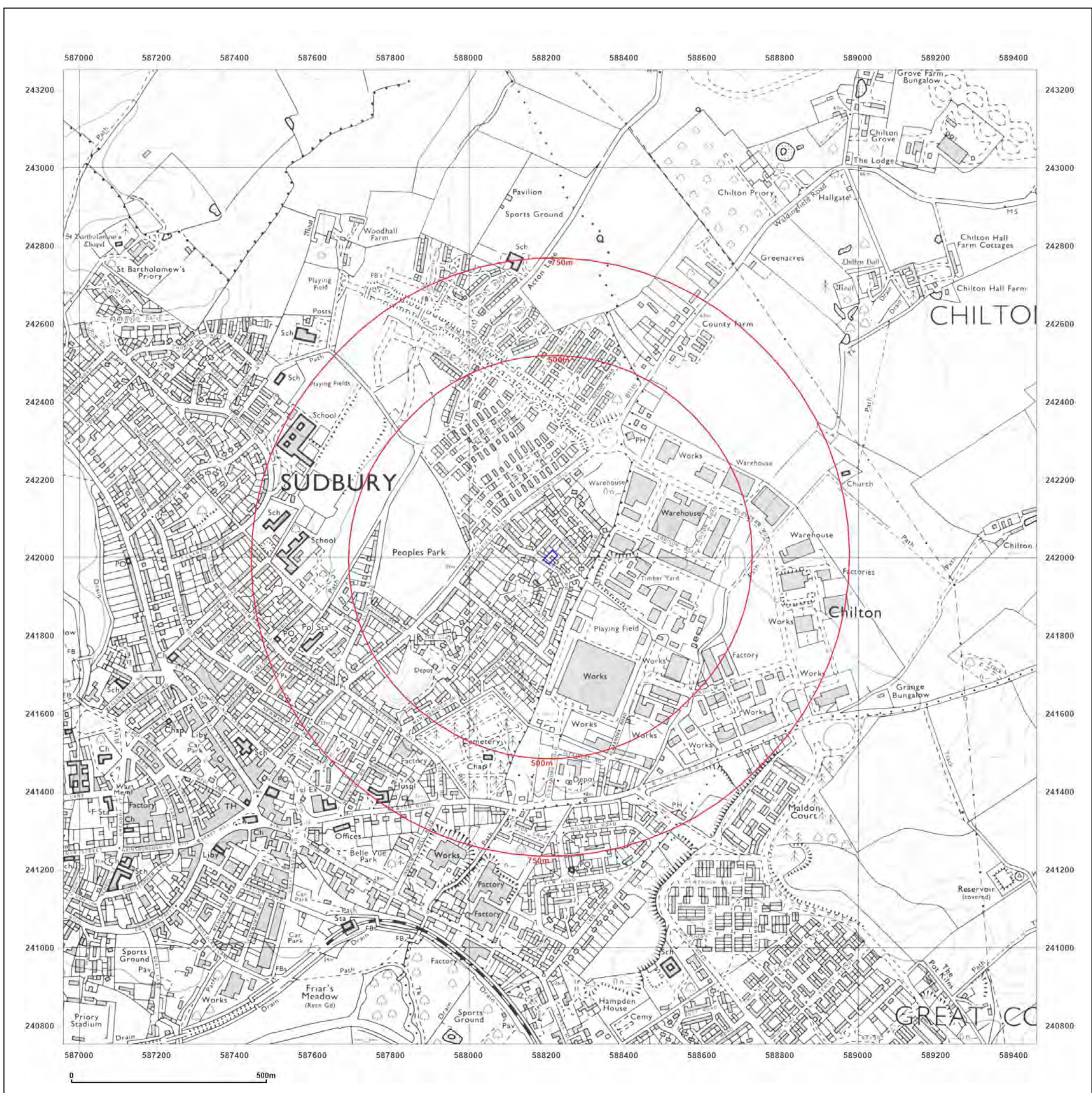


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Client Ref: RCER_23-324
Report Ref: GS-JYX-QSP-T1Y-TWS
Grid Ref: 588209, 242003

Map Name: National Grid

Map date: 1989

Scale: 1:10,000

Printed at: 1:10,000



Surveyed 1977
Revised 1989
Edition N/A
Copyright N/A
Levelled N/A

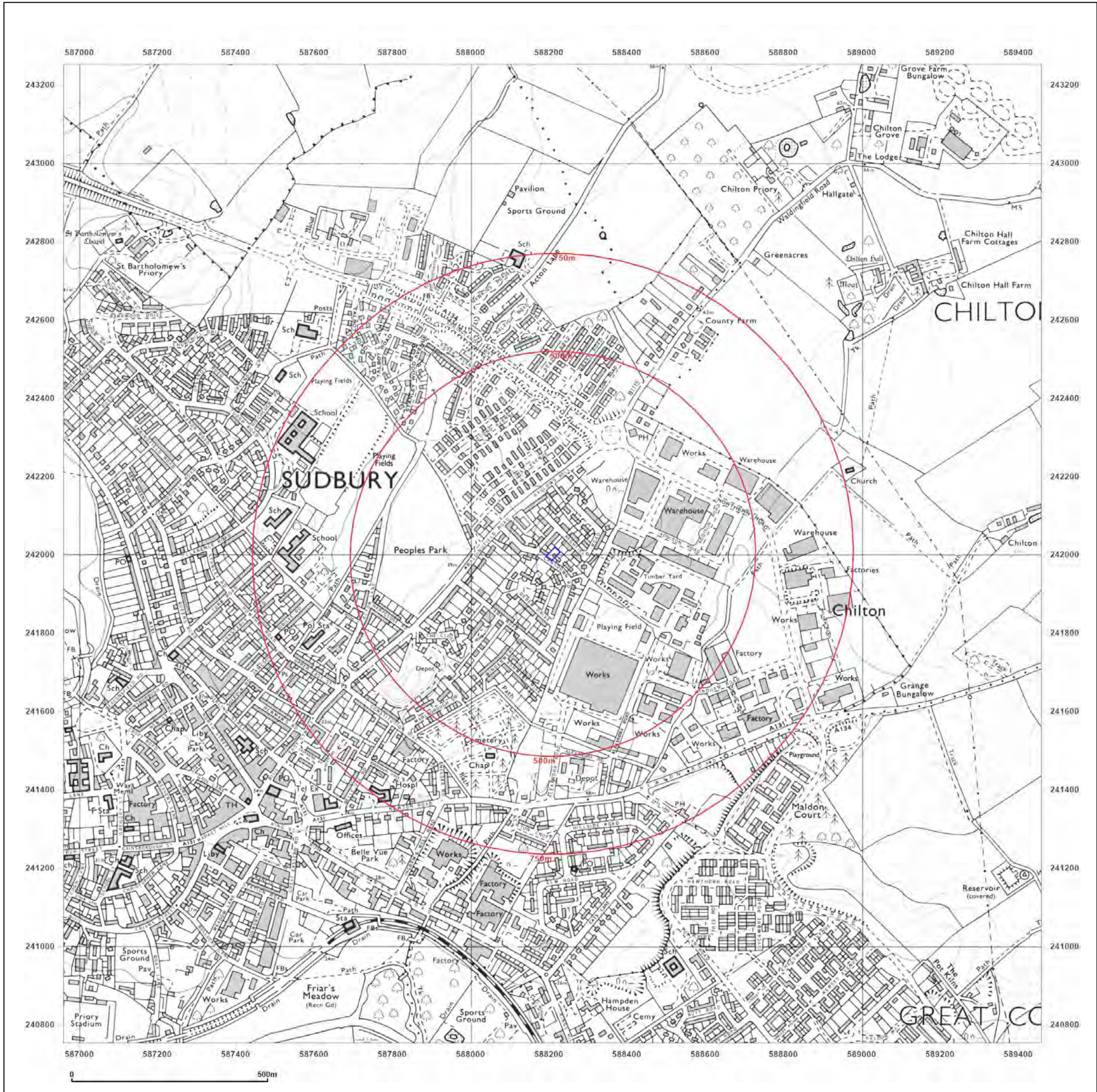


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Site Details:

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Client Ref: RCER_23-324
Report Ref: GS-JYX-QSP-T1Y-TWS
Grid Ref: 588209, 242003

Map Name: National Grid

Map date: 1992

Scale: 1:10,000

Printed at: 1:10,000



Surveyed 1977
Revised 1992
Edition N/A
Copyright N/A
Levelled N/A

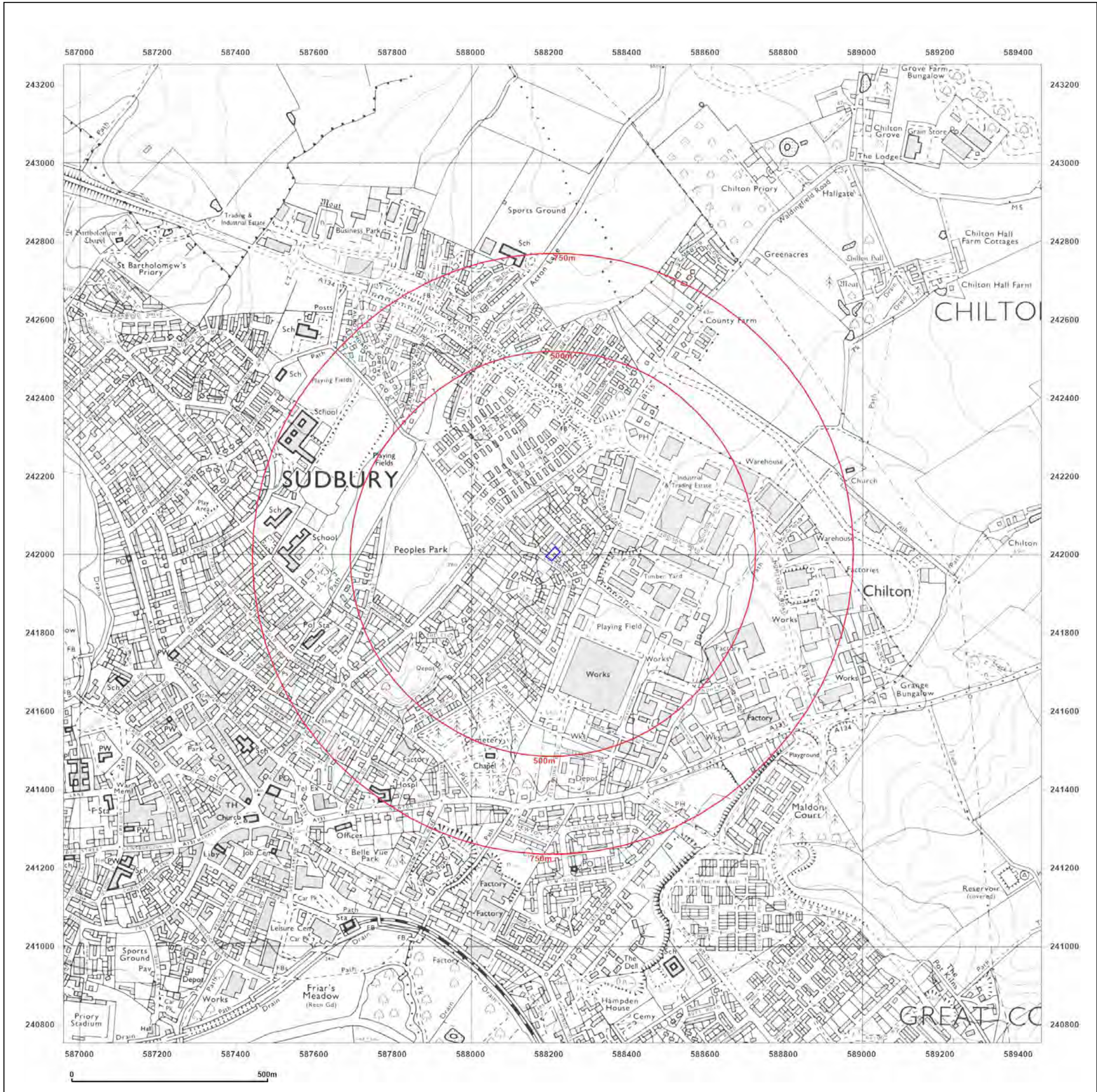


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Site Details:

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Client Ref: RCER_23-324
Report Ref: GS-JYX-QSP-T1Y-TWS
Grid Ref: 588209, 242003

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Scale: 1:10,000

Printed at: 1:10,000

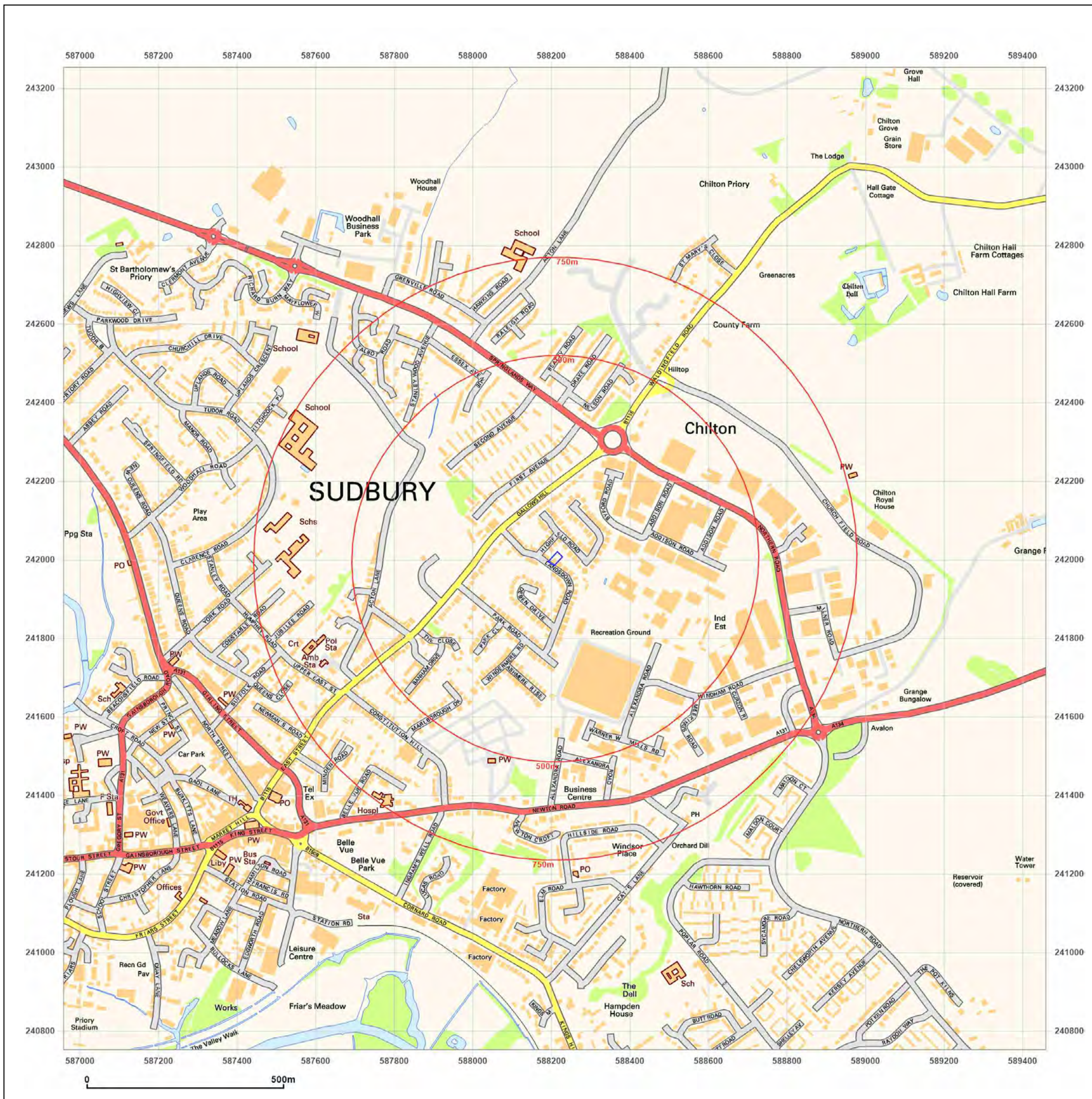


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Site Details:

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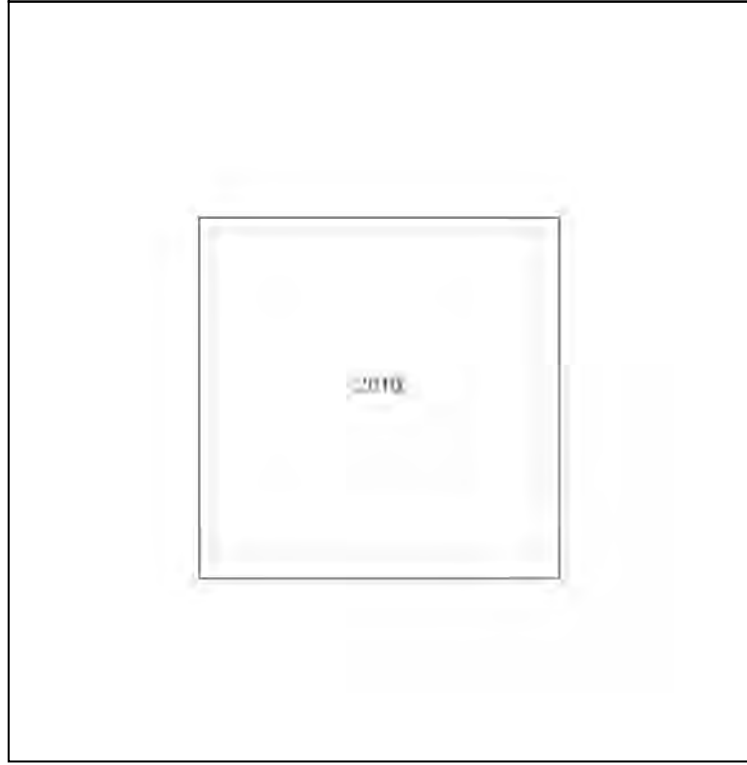
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Grid Ref: 588209, 242003

Map Name: National Grid

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Printed at: 1:10,000

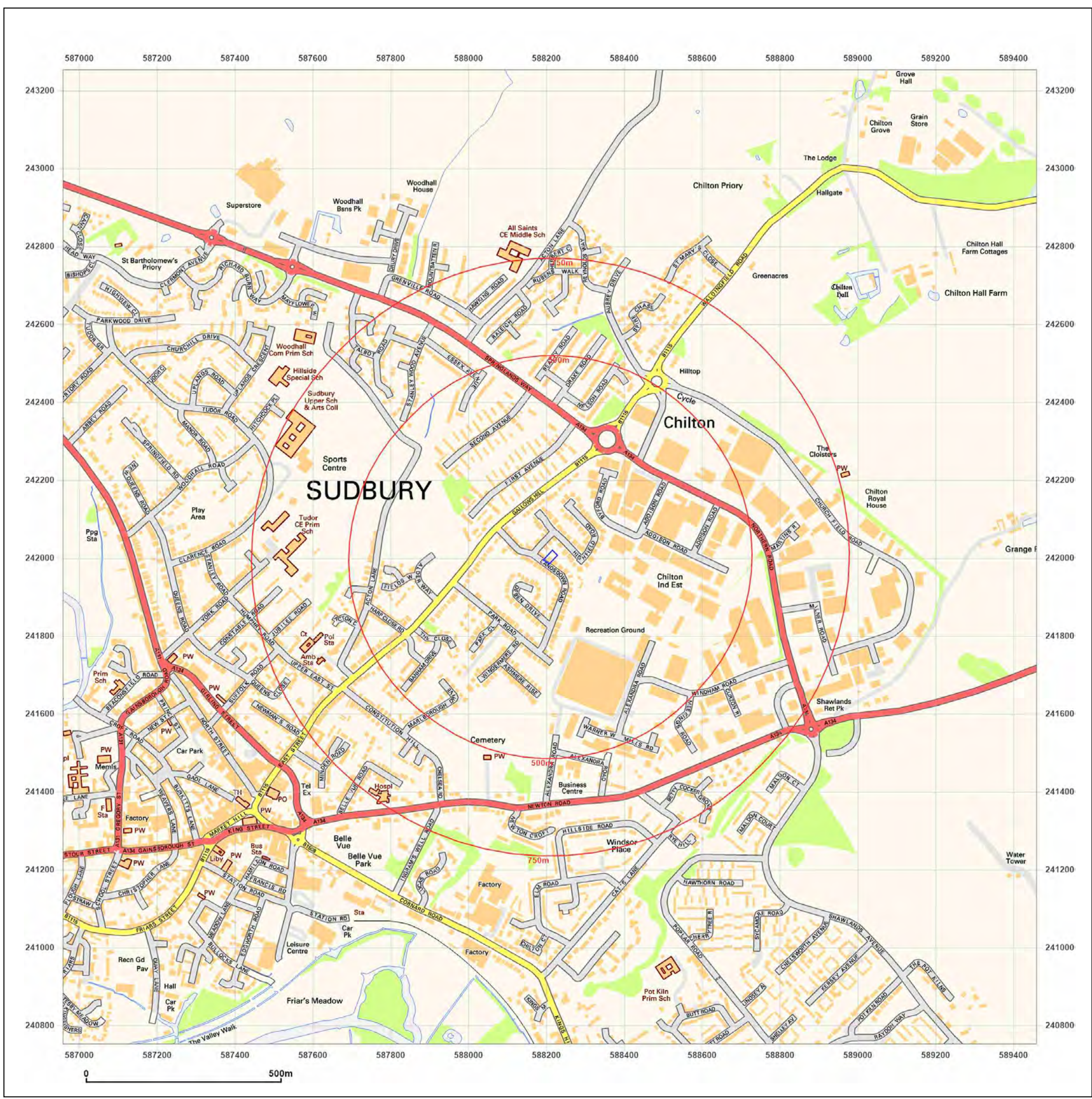


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Site Details:

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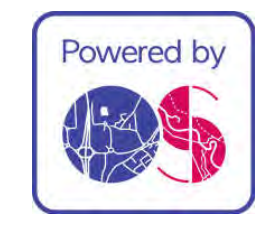
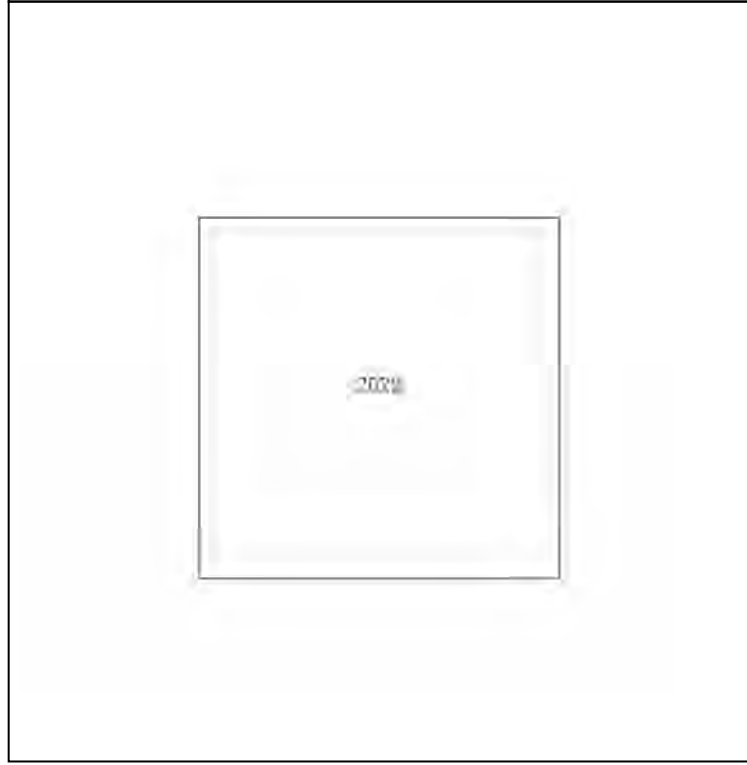
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Report Ref: GS-JYX-QSP-T1Y-TWS
Grid Ref: 588209, 242003

Map Name: National Grid

Map date: 2023

Scale: 1:10,000

Printed at: 1:10,000

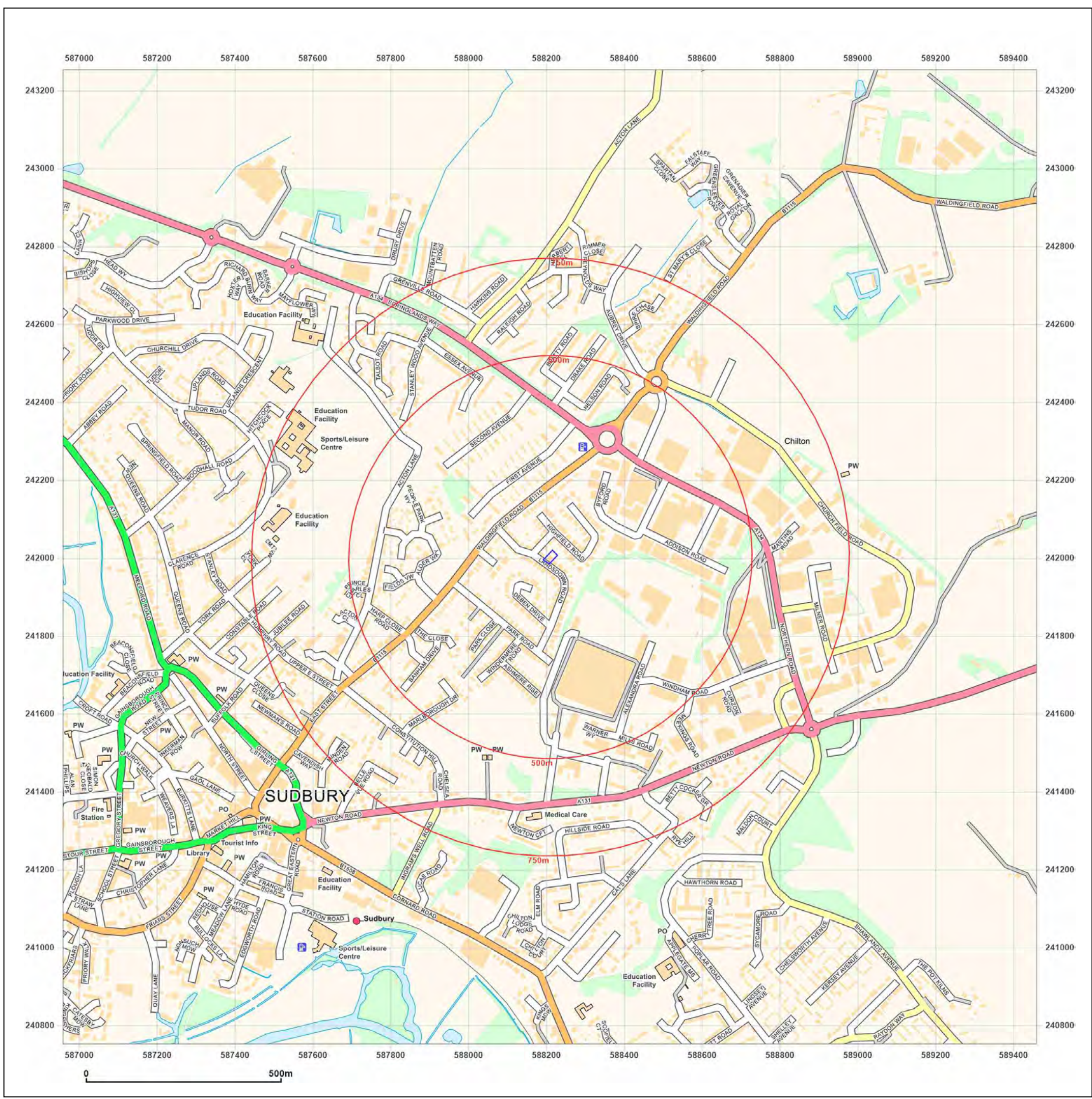


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APPENDIX D: DRAWINGS

Drawing 23.324/Phase/01

Site Location Plan

Drawing 23.324/Phase/02

Relevant Feature Plan

23/51/03

Proposed Plan and Elevations





North



Circle indicates approximate location of site



A F Howland Associates
Geotechnical Engineers

Site: 21 Landsdown Road, Sudbury

SITE LOCATION PLAN

Client : D J Slater

Date : November 2023

Dwg : 23.324/Phase1/01

Scale 1: 50,000 @ A4

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Photo 1 – Overview of the front of the property



Photo 2 – View of the garages and driveway



Photo 3 – View along eastern edge of garage and pathway

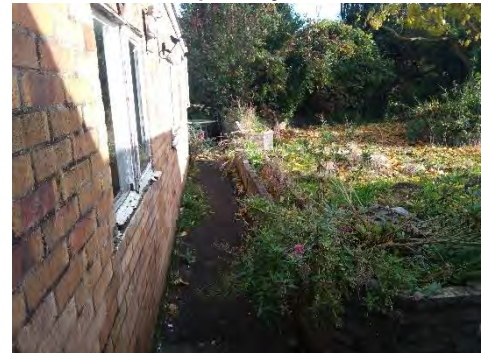


Photo 4 – View of conservatory at the back of the property



Photo 5 – View of the north side of the garages



Photo 6 – Inside one of the garages, showing some of the general storage.

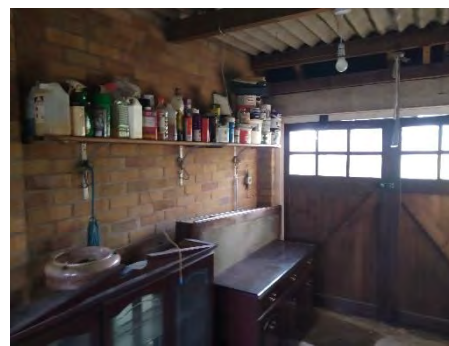


Photo 7 – View of vegetated north boundary and edge of greenhouse

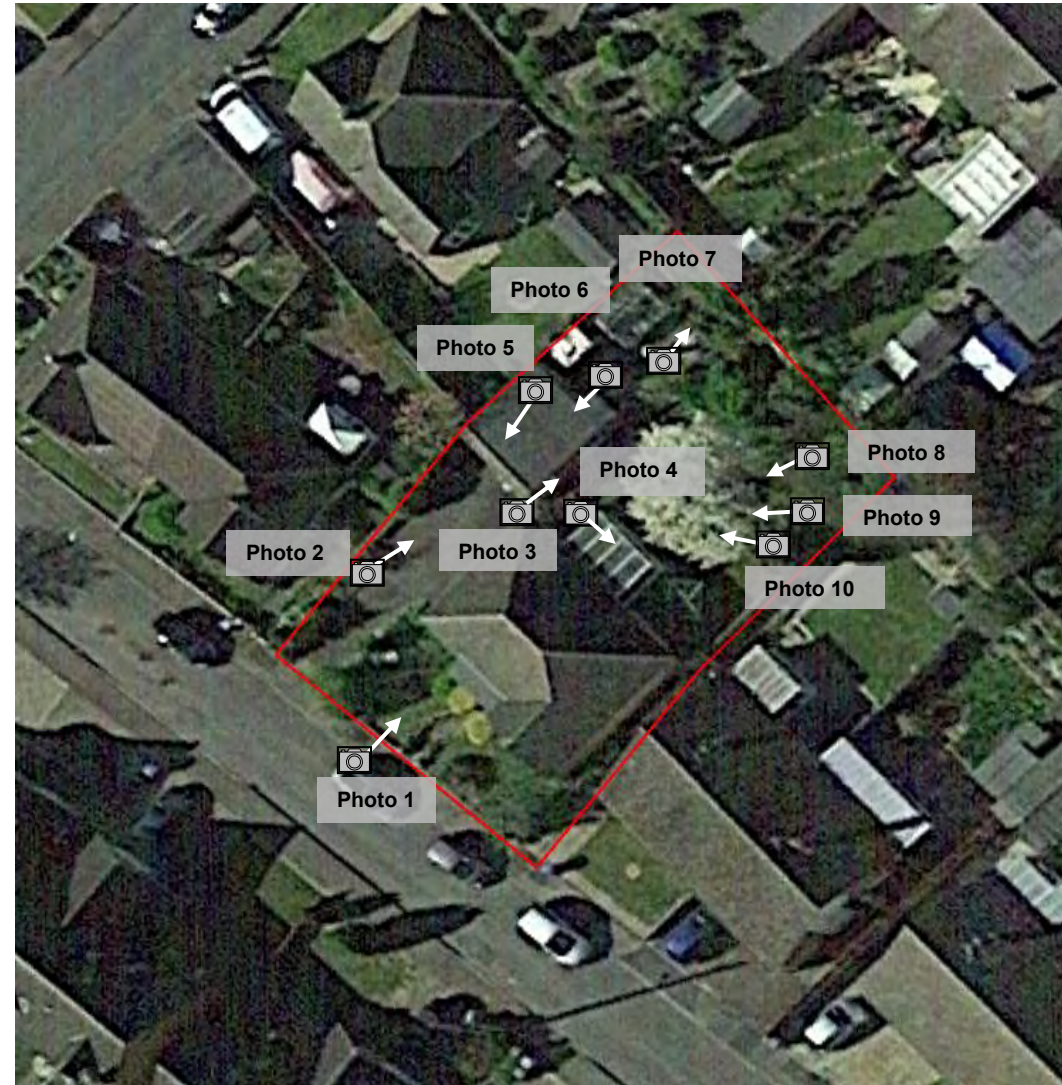


Photo 8 – View of north stepped garden area



Photo 9 – View across the site looking south west

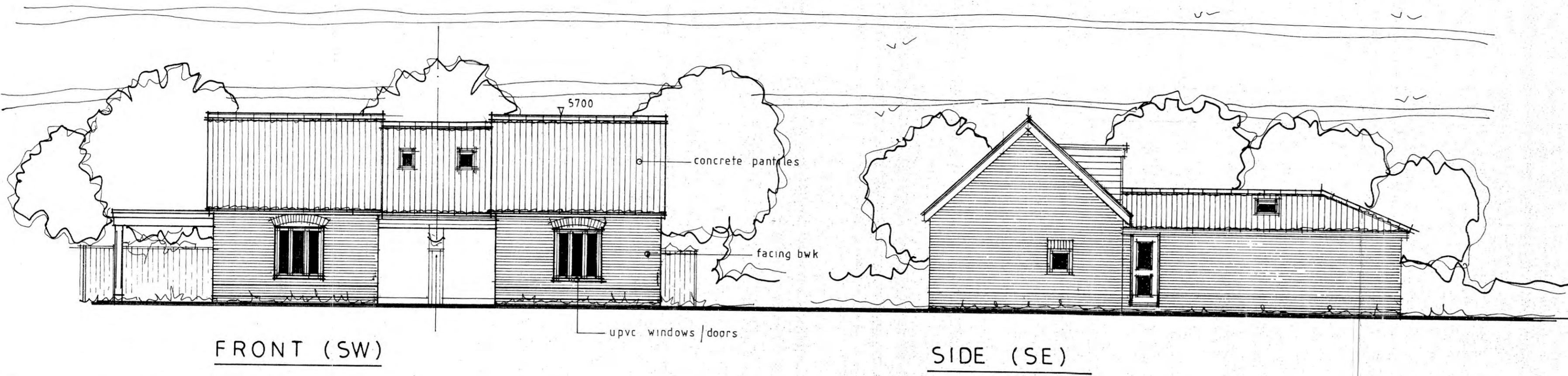


Photo 10 – View across the site looking west



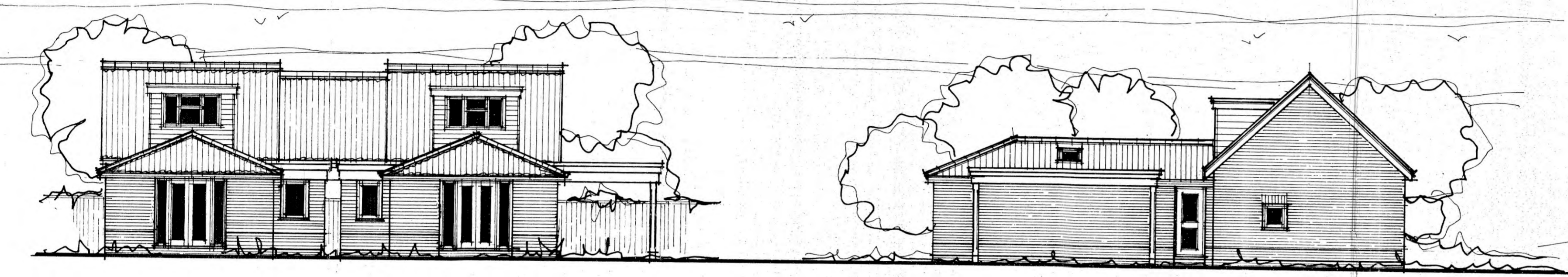
A F Howland Associates Ltd.
The Old Exchange
Newmarket Road
Cringleford
Norwich
NR4 6UF
Tel: 01603 250754
Website: www.howland.co.uk Email: admin@howland.co.uk

Client: D J Slater Limited
Site: 21 Landsdown Road, Sudbury, CO10 2QG
Job No.: 23.324
Drawing Title: Relevant Feature Plan
Drawing No.: 23.324/Phasel/02
Date: November 2023



FRONT (SW)

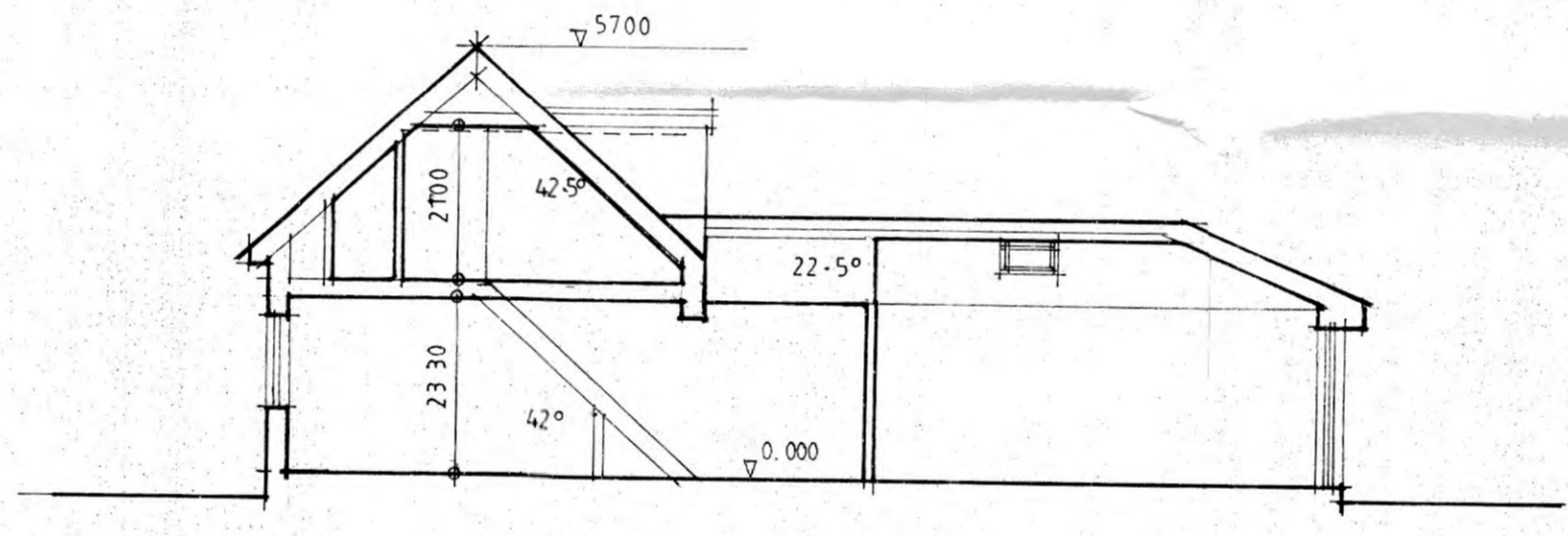
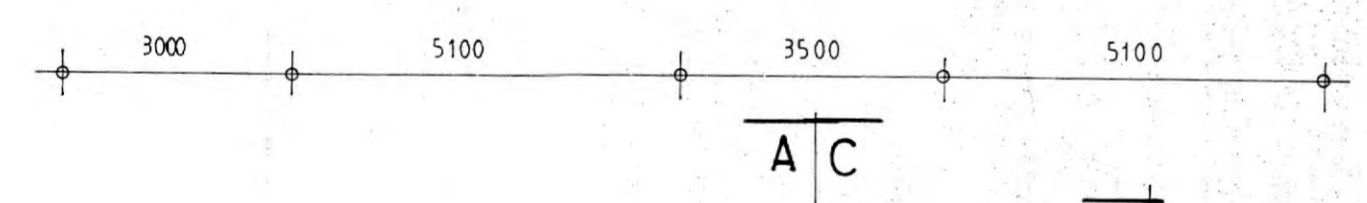
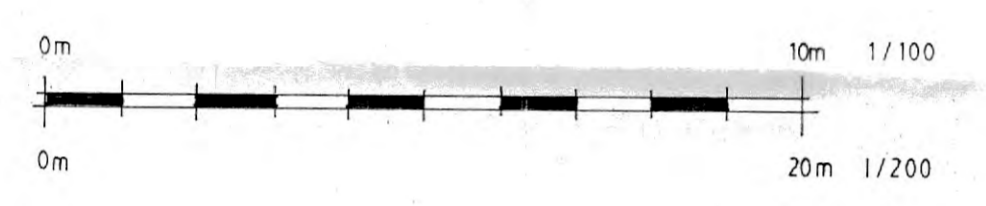
SIDE (SE)



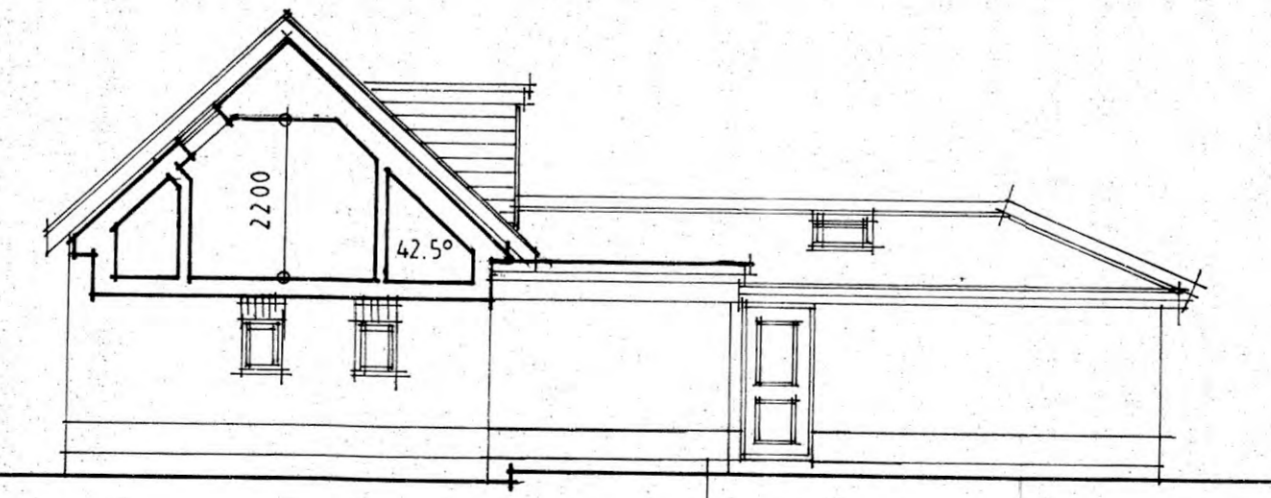
REAR (NE)

SIDE (NW)

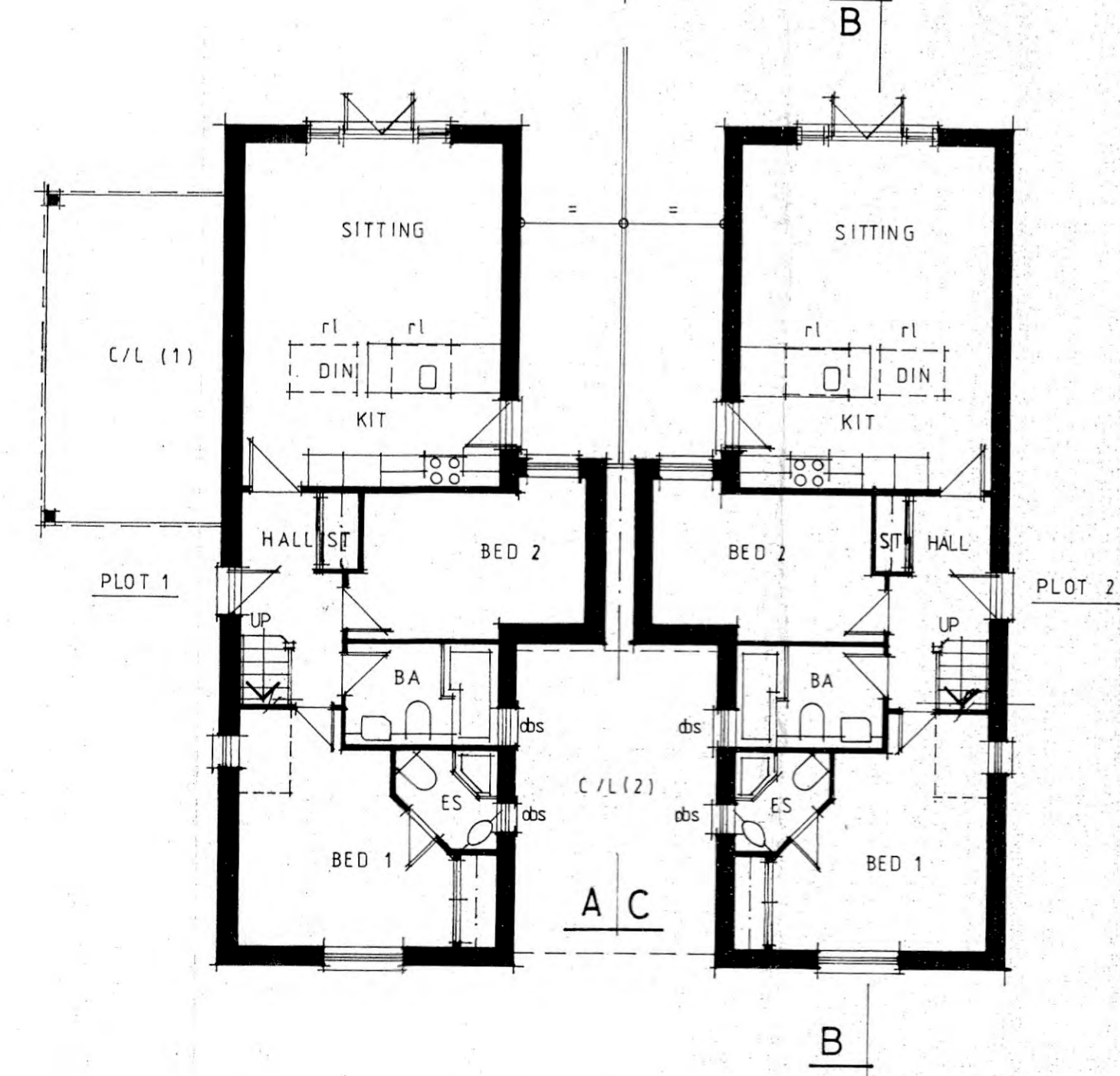
PROPOSED ELEVATIONS 1/100 (A1)



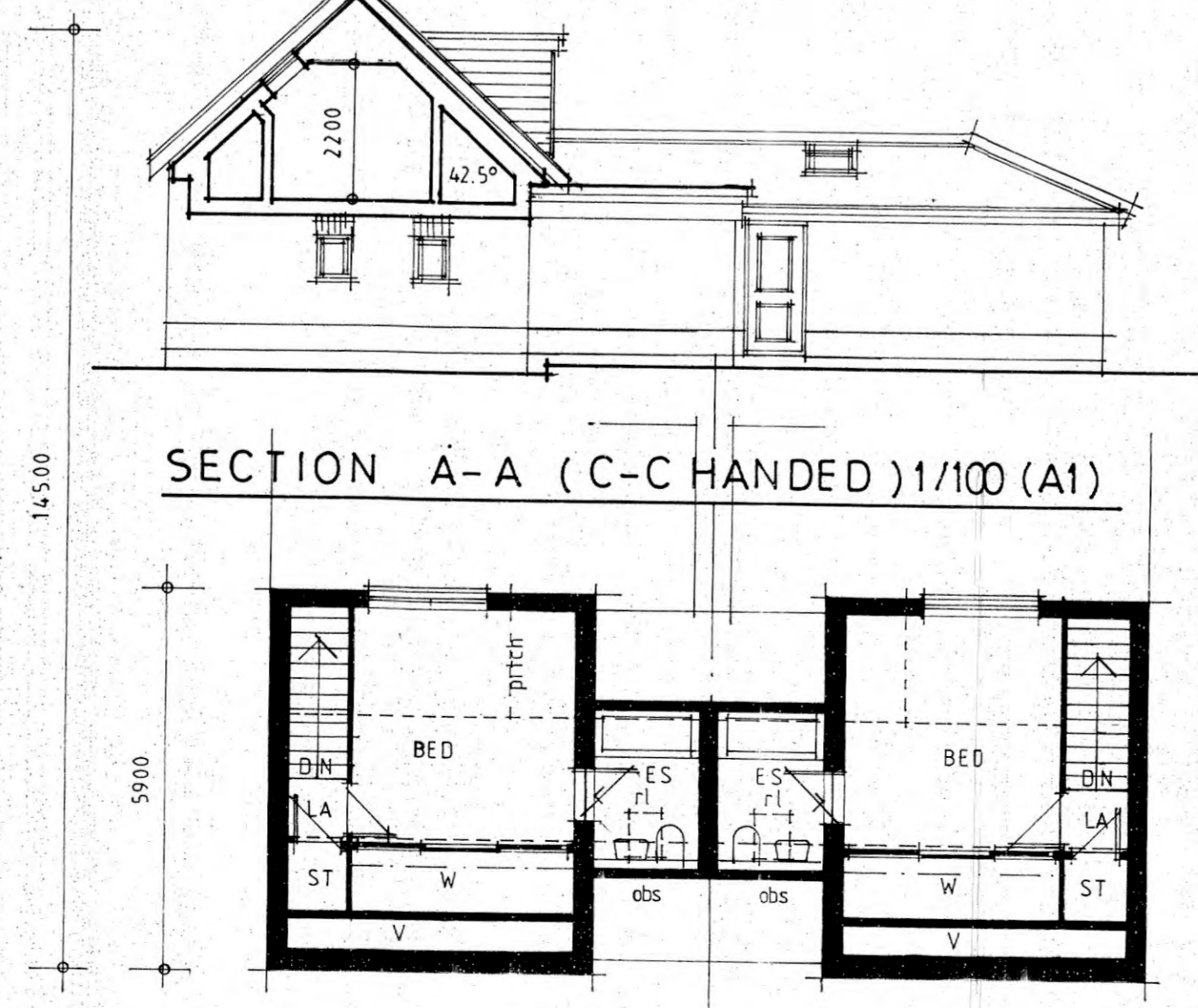
SECTION THRO' 1/100 (A1) B-B



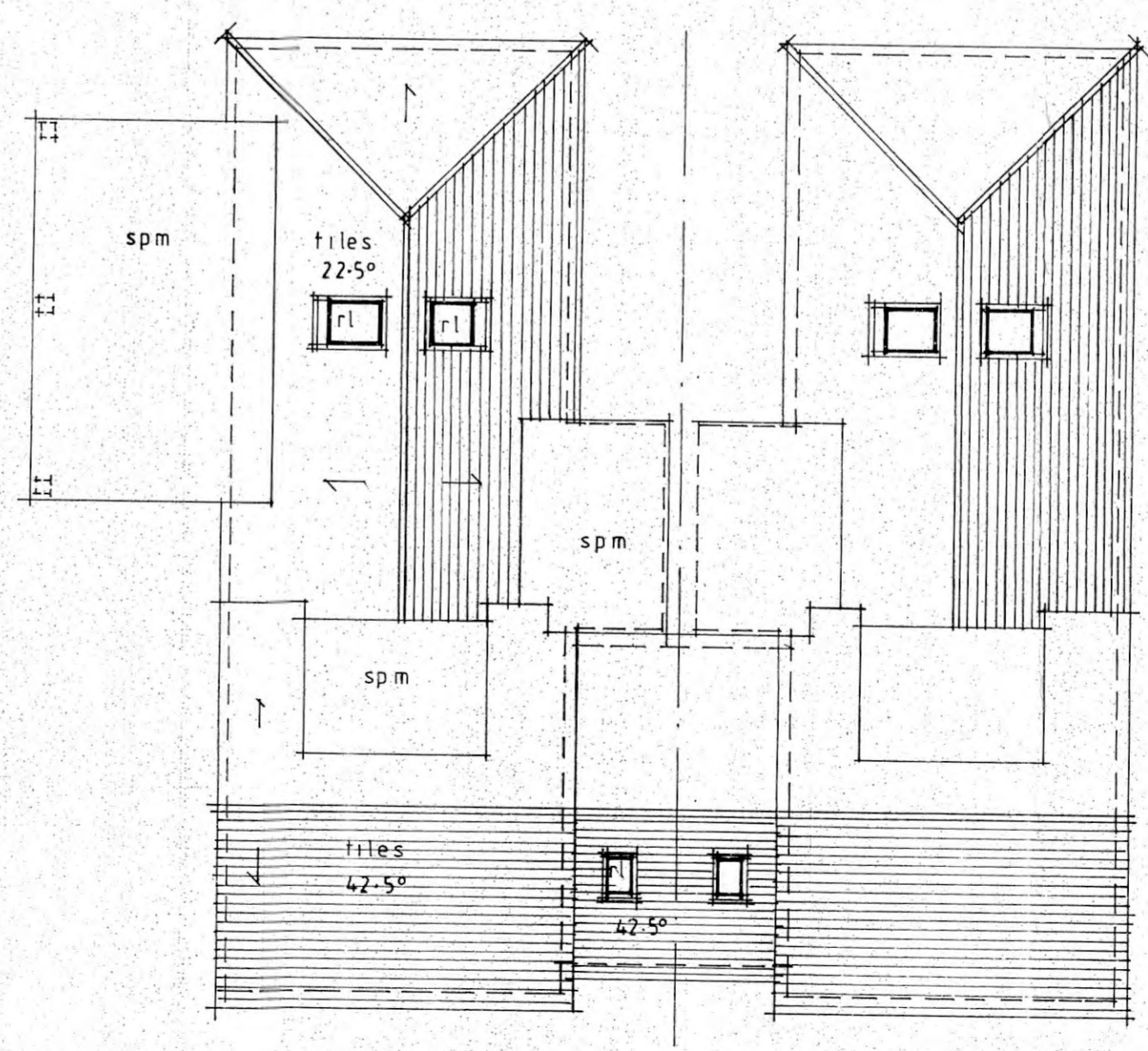
SECTION A-A (C-C HANDED) 1/100 (A1)



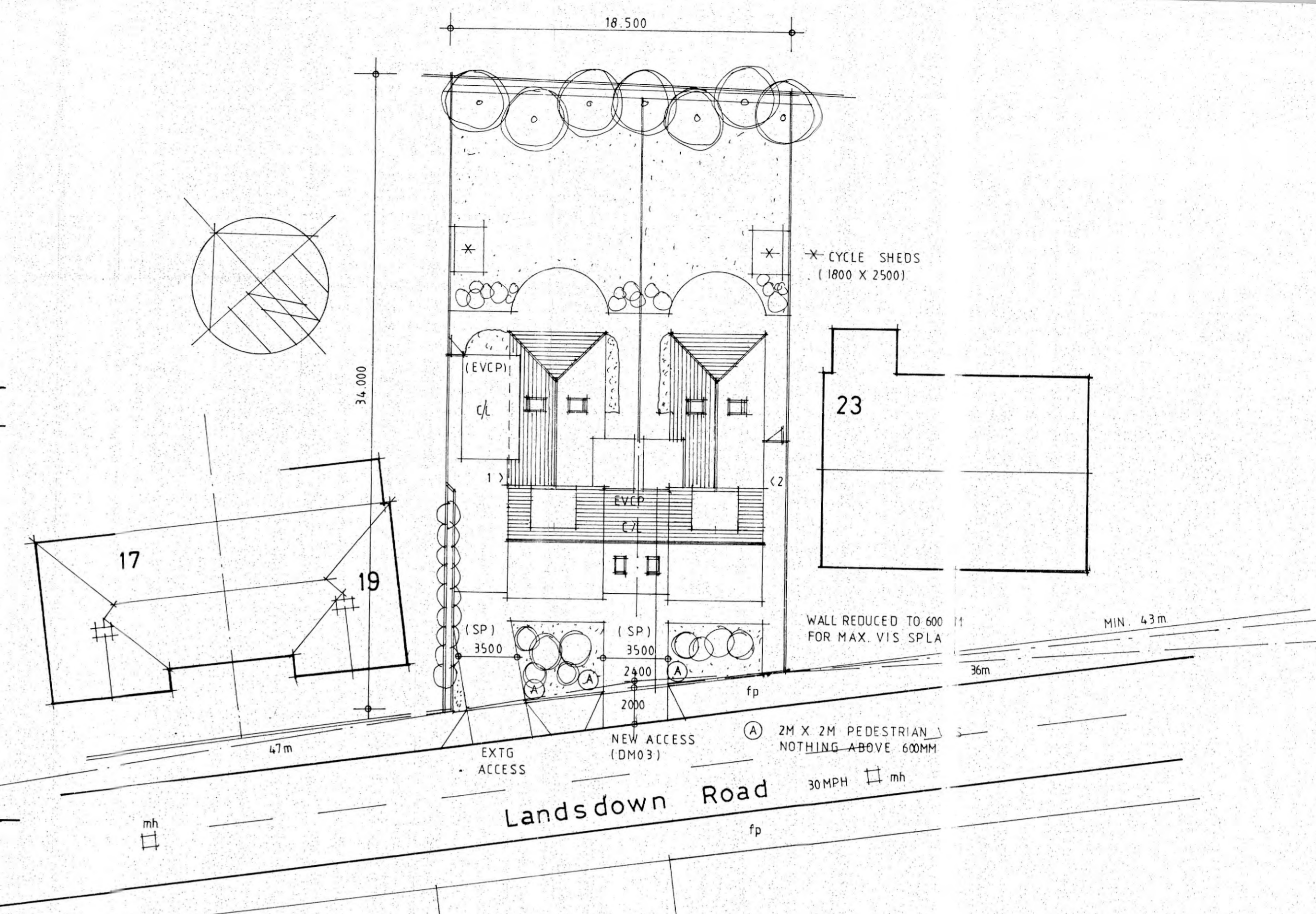
GROUND FLOOR PLAN 1/100 (A1)



FIRST FLOOR PLAN 1/100 (A1)



PROPOSED ROOF PLAN 1/100



PROPOSED SITE PLAN 1/200 (A1)

<p>dean jay pearce architect & planning ltd 2 / Milestone, Hall Street, Long Melford Sudbury, Suffolk, CO10 9HZ T: 017 7-378797 E: dean.pearce@live.co.uk</p>		
<p>Project: Proposed erection of 2no. dwellings and associated cart-lodges (utilising existing vehicular access and 1no. new vehicular access) following demolition of existing dwelling and outbuilding.</p>		
<p>Site Address: 21 Landsdown Road, Sudbury, Suffolk, CO10 2QG</p>		
<p>Applicant: D J Slater Ltd</p>		
<p>Drawing title: PROPOSED FLOOR PLANS, ELEVATIONS, SECTIONS, ROOF PLAN AND SITE PLAN</p>		
<p>scales: 1:100, 200 (A1) date: 08 / 2023 drawn: checked:</p>	<p>drg no: 23/51/03</p>	<p>rev:</p>
<p><small>Do not scale this drawing. Use figured dimensions only. Contractor to set out all of the works prior to commencement and report any omissions / discrepancies immediately. Scales shown on this drawing are at A1 sheet size.</small></p>		
<p><small>This drawing & information are Copyright.</small></p>		

APPENDIX E: RISK ASSESSMENT CLASSIFICATION

Classification	Definition	Examples
High Likelihood	There is a pollution linkage and an event which would either appear very likely in the short term and almost inevitable over the long term, or, there is evidence at the receptor of harm or pollution.	Free product visible on surface of sensitive water body or in the soil. On site or adjacent gassing 'landfill site'.
Likely	There is a pollution linkage and all the elements are present and in the right place which means that it is probable that an event will occur. Circumstances are such that an event is not inevitable, but possible in the short term and likely over the long term.	Potentially contaminative land use i.e. 'Brownfield' site, fuel storage depot, factory, petrol station etc. Sensitive receptors to be introduced as part of site redevelopment. Potentially infilled land identified on site or off-site with credible migration pathway.
Low Likelihood	There is a pollution linkage and circumstances are possible under which an event could occur. However, it is by no means certain that even over a longer period such event would take place, and is less likely in the shorter term.	Potential source of contamination identified i.e. historical land use as allotments or domestic above ground fuel storage tanks, areas of burning garden waste. Possible off-site infilled land.
Unlikely	There is a pollution linkage but circumstances are such that it is improbable that an event would occur even in the very long term.	No significant potential sources of contamination identified e.g. 'Greenfield' site. No potential sources of ground gas.

TABLE E1: CLASSIFICATION OF PROBABILITY

Classification	Definition	Examples
Severe	Short term (acute) risk to human health. Short term risk of pollution of sensitive water resource. Catastrophic damage to buildings/property. A short term risk to a particular ecosystem.	High concentrations of cyanide on the surface of an informal recreation area. Major spillage of contaminants from site into controlled water. Credible source of ground gas.
Medium	Chronic damage to Human Health. Pollution of sensitive water resources. A significant change in a particular ecosystem, or organism forming part of such ecosystem.	Concentrations of a contaminant from site exceeds the generic, or site specific assessment criteria. Leaching of contaminants from a site to a Secondary or Principal aquifer or watercourse.
Mild	Pollution of non-sensitive water resources. Significant damage to buildings/structures and crops ("significant harm" as defined in the Circular on Contaminated Land, DETR, 2000). Damage to sensitive buildings/structures or the environment.	Concentrations of a contaminant do not exceed the generic, or site specific assessment criteria. Leaching of contaminants from a site to an Unproductive Aquifer. Damage to building rendering it unsafe to occupy (e.g. foundation damage resulting in instability).
Minor	Harm, although not necessarily significant harm, which may result in a financial loss, or expenditure to resolve. Non-permanent health effects to human health (easily prevented by means such as Personal Protective Equipment, etc).	The presence of contaminants at such concentrations that protective equipment is required during site works. The loss of plants in a landscaping scheme.

TABLE E2: CLASSIFICATION OF CONSEQUENCE



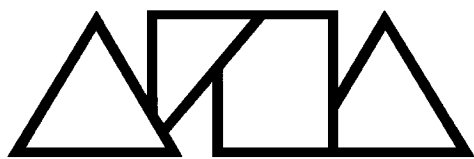
Classification	Definition
Very High Risk	There is a high probability that severe harm could arise to a designated receptor from an identified hazard or there is evidence that severe harm is occurring. The risk, if realised, is likely to result in a substantial liability. Urgent investigation and remediation will be required.
High Risk	Harm or chronic damage is likely to arise to a designated receptor from an identified hazard. Investigation is required and remediation is likely to be required to ensure the site is suitable for a proposed use.
Moderate Risk	It is possible that harm or chronic damage could arise to a designated receptor from an identified hazard. However, it is relatively unlikely that any such harm would be severe. Investigation and remediation are likely to be required to ensure the site is suitable for a proposed use.
Low/Moderate Risk	It is possible that harm or chronic damage could arise to a designated receptor from an identified hazard. Investigation is likely to be required. However, circumstances are such that investigation may prove the consequence to be mild and the site suitable for use without remediation.
Low Risk	It is possible that harm could arise to a designated receptor from an identified hazard but it is likely that this harm, if realised, would at worst be mild. Investigation is unlikely to be required.
Very Low Risk	There is a low possibility that harm could arise to a receptor. In the event of such harm being realised it is not likely to be severe. Investigation is not required.

TABLE E3: DESCRIPTION OF RISK

		CONSEQUENCE			
		Severe	Medium	Mild	Minor
PROBABILITY	High likelihood	Very High	High	Moderate	Low/Moderate
	Likely	High	Moderate	Low/Moderate	Low
	Low likelihood	Moderate	Low/Moderate	Low	Very Low
	Unlikely	Low/Moderate	Low	Very Low	Very Low

TABLE E4: DETERMINATION OF RISK





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Email: admin@howland.co.uk

www: <http://www.howland.co.uk>