

PHASE I GEO-ENVIRONMENTAL AND GEOTECHNICAL ASSESSMENT
REPORT FOR A PROPOSED RESIDENTIAL DEVELOPMENT AT
BRUNT LANE, WOODVILLE



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Date: 3rd February 2021
Our Ref: KCD/30092
Report Status: FINAL

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1. Introduction

- 1.1 GIP Ltd have been commissioned by joint Clients, Tricas Construction Ltd and Trident Housing Association Ltd, to undertake a Phase I Geo-Environmental and Geotechnical Assessment at a plot of land off Brunt Lane and Fairfield Terrace in Woodville, Swadlincote, Derbyshire. Site plans are included within the appendix and detail the proposed construction of twenty one residential properties.
- 1.2 The brief required an assessment of the following issues:
- Geo-environmental assessment of the site to assess the possible extent of contamination within the soils and groundwater beneath the site within the context of the planned residential development.
 - Geotechnical assessment of the site to determine potential foundation conditions for the proposed residential properties.
- 1.3 A Coal Mining Risk Assessment has been carried out by ASL Ltd for the Clients and is included within the appendix.

2. The Site

2.1 Site Location and Layout

- 2.1.1 The area of the proposed development occupies a parcel of land approximately 0.4 hectares in size to the west of Brunt Lane and to the north of Fairfield Terrace in Woodville, Swadlincote. National Grid Reference 431730, 319090 denotes the approximate centre of the site. A number of photographs of the site taken during the site walkover are included within the appendix with their locations shown on the appended Drawing No. 1.
- 2.1.2 At the time of the site walkover, the site was roughly square in shape and sloped gently down towards the north. The site was occupied in the west and north west by derelict brick-built buildings, with a number of small wooden and corrugated metal sheds and chicken coops in the east and south east which appeared to be largely disused.
- 2.1.3 The majority of the roof of the largest building on site was missing and fragments of potentially asbestos containing corrugated cement roof tiles were present around the building. Similar tiles were present on the other buildings. An inspection of inside the buildings was not carried out due to the state of the roof. Gas canisters and chicken feed were some of the items visible in and around the sheds.

- 2.1.4 Areas of concrete where visible beneath grass around the buildings, with the remainder of the site occupied by a grass field. The sheds were separated from the main portion of the site by gravel board and timber fencing. The site was bounded by residential and commercial properties and was accessible from both Fairfield Terrace and an access track off the High Street.

2.2 Site History

- 2.2.1 The GroundSure Report obtained for the site contains a number of historical Ordnance Survey maps covering the site area, the salient morphological features of which can be summarised as follows.
- 2.2.2 The first available maps from 1882 show the site to be an unoccupied field with fields to the north and residential and industrial premises to the west, south and south east. A Brewery is located 40m to the north west, with a 'Pottery' located 100m to the south west. 'Hartshorn Potteries' is located to 80m to the south and south east of the site, with 'Old Clay Shafts' shown to the north of the pottery buildings. Pumps and wells are shown associated with many of the buildings in the wider area. By 1901, 'Tanks' are shown in the field to the north of the site.
- 2.2.3 The 1923 mapping edition records the buildings to the west of the site to be a 'Pottery (Sanitary Earthenware)' and what appear to be spoil mounds are shown at the Pottery to the south east of the site. New residential properties are under development in the wider area. The 1937 map shows the pottery to the south east to be 'disused'. By the 1950 map, the buildings currently present in the west and north west of the site are shown to be present, along with two small buildings in the south of the site, and the Pottery bounding the site to the west has been demolished. The pottery to the south east has been demolished and replaced by a 'Works'.
- 2.2.4 The 1967 map records the buildings in the west and north west of the site to be an 'Ice Cream Factory'. Sloping ground is shown to be present to the north of the 'Works' to the south east of the site. A 'Coach Depot' is located 80m to the north west of the site. The 1974 map records a 'Garage' to be located 100m to the south west of the site. By 1982, residential properties by the site to the west and north and by 1985 a series of sheds are present in the east of the site. The 1999 aerial photography shows a canopy above the 'Garage' to the south west of the site, which appears to be similar to a petroleum filling station forecourt. By 2010, the 'Works' to the south east of the site has been residentially redeveloped ('Brunt Lane').

2.3 Environmental Setting

2.3.1 The GroundSure Report also contains information made available by the Environment Agency and other regulatory bodies and this can be used to assess the environmental setting of the site. The main findings can be summarised as follows:

- Potentially contaminative past land uses are located both on site ('Brewery' and 'Pottery') and located 3m to the north west ('Pottery'), 23m to the south east ('Unspecified Heap'), 31m to the north west ('Unspecified Tanks'), 38m to the north west ('Brewery'), and 40m to the south west ('Railway Sidings').
- Several historical tanks are recorded in the area around the site, including one on site.
- The nearest recorded historical garage is located 66m to the south west.
- The nearest petroleum filling stations are located 84m to the south west ('obsolete'), 276m to the north west ('open') and 484m to the north west ('obsolete').
- Landfill sites are located 185m and 262m to the west of the site.
- A 'Scrap Metal Works' is located 204m to the west.
- A 'Licensed Waste Site' is located 219m to the west.
- The nearest potentially contaminative current industrial sites are located 16m to the north east and 98m to the north west.
- There are no sites determined as contaminated land under Part 2a of the Environmental Protection Act 1990 within 500m.
- There are no COMAH or NIHHS sites within 500m.

2.4 Hydrological and Hydrogeological Setting

2.4.1 The GroundSure Report also contains information made available by the Environment Agency and other regulatory bodies and main findings can be summarised as follows:

- The underlying geology is classed as a 'Secondary A Aquifer'.
- The site is within a 'high' groundwater vulnerability area.
- There are no Water Abstraction Licenses within 950m.

- The site is not within a Source Protection Zone (SPZ).
- There are no surface water features within 250m.
- The site is not within a designated Flood Zone.
- The highest risk of surface water or groundwater flooding is 'negligible'.
- The site is within a Nitrate Vulnerable Zone (NVZ).

2.5 Geological Setting and Mining

2.5.1 The following geological information is included within the appended GroundSure Report and also obtained from information published by the British Geological Survey and Coal Authority:

- Made ground is shown to be present to the south east of the site and in the wider area.
- No Superficial Deposits are shown to be present across the site.
- The Pennine Lower Coal Measures Formation of the Carboniferous Period is shown to be the 'solid' geology beneath the site, described as 'interbedded grey mudstone, siltstone and pale grey sandstone, commonly with mudstones containing marine fossils in the lower part, and more numerous and thicker coal seams in the upper part'.
- The strata is shown to the south of the site on BGS map sheet no. 141 at a scale of 1:50,000 to be dipping at an angle of 7° towards the south west.
- A coal seam (the Well Seam) is inferred to outcrop in a north west – south east direction through the middle of the site. Further coal seams are inferred to outcrop 75m to the north east (Clod Seam), 181m to the north (Kilburn Seam) and 157m to the south west (Eureka Seam).
- The sequence of strata and angle of dip would suggest that the Clod and Kilburn Seams could be present beneath the site at potentially 'shallow' (<30m) depths, with the Well Seam present near surface in the central and south western sections of the site.
- The site is in an area with many historical Potteries and associated clay excavations, as both surface and underground workings. The nearest recorded surface workings are recorded to be located 101m to the south east, with 'Old Clay Shafts' recorded 80m and 84m to the south east.

- Localised small-scale underground mining of Iron Ore may have occurred beneath the site.
- The site is within a Coal Mining Area. A CMRA (which includes a Consultants Coal Authority report) has been carried out for the Clients by ASL Ltd and is included within the appendix.
- In summary, the CMRA reports that shallow coal seams are present beneath the site which may have been worked, the nearest recorded mine entries have been treated (70m to the south east of the site) and an opencast mining site was located 250m to the west and south west of the site. It recommends that rotary boreholes are sunk to determine if workings are present at shallow depth beneath the site.
- The maximum hazard rating of natural subsidence beneath the site is deemed to be 'very low'.
- The site is not within a Radon Affected area, therefore no radon protective measures are necessary.

3. Preliminary Conceptual Site Model

3.1 General Comments

- 3.1.1 In accordance with Environment Agency (EA) document CLR11 'Model Procedures for the Management of Contaminated Land' the information gathered as part of this desk study has been used to generate a preliminary risk assessment, as detailed in this section. Its purpose is to identify potential previous and existing sources of contamination and to link identified sources via potential pathways to receptors in order to identify if a possible pollutant linkage is present. The pollutant linkages will identify the possibility of significant harm.
- 3.1.2 The conceptual site model is based on a number of identified Source – Pathway – Receptor situations. For land or groundwater to be classed as contaminated a significant pollutant linkage will need to be identified which will include each component of the conceptual site model. The absence or removal of a source or interception of a pathway will 'break' the pollutant linkage. A diagrammatical representation of the Conceptual Site Model (drawing 2) is included within the appendix.
- 3.1.3 On the basis of the information available to date there are a number of potential contaminant linkages between sources and receptors. These are discussed in Table 1 below.

Table 1: Preliminary Conceptual Site Model

Source	Pathway	Receptor	Risk
Ground Gases (methane and carbon dioxide) Associated with made ground deposits off site in spoil heaps and infilled ground Associated with upward migration from Coal Measures Strata	Migration off site Inhalation	Receptors affected by off site migration Construction workers Future users of any future structures	HIGH HIGH HIGH
Heavy metals and PAHs Associated with man-made materials within made ground or naturally elevated concentrations	Groundwater Surface Water Dermal contact	Aquifers and Surface Water Features Construction workers Future users / occupiers of any future structures	LOW LOW TO MEDIUM
Petroleum Hydrocarbons Associated with leakages from vehicles on site and from machinery in Ice Cream Factory Leakages from Petroleum Filling Station 80m to the south	Groundwater Surface Water Dermal contact	Aquifers and Surface Water Features Construction workers Future users / occupiers of any future structures	LOW LOW TO MEDIUM
Asbestos Associated with fragments of roof tiles and visible at surface	Migration off site Inhalation	Construction workers Future users / occupiers of any future structures	HIGH

Key:

	Low Risk
	Medium Risk
	High Risk

4. Preliminary Geotechnical Risk Assessment

- 4.1 It is proposed to construct a residential development consisting on a plot of land at Brunt Lane and Fairfield Terrace in Woodville, Swadlincote. Within the accuracy of the published geology, the ground conditions are anticipated to be weathered Coal Measures strata beneath a potentially thin mantling of made ground. Superficial Deposits are not shown on the published geological maps. The determination of an appropriate foundation solution for future structures will depend on the outcome of an appropriately designed and executed Phase II intrusive site investigation, detailed in Section 6 below.
- 4.2 Any made ground is unlikely to be extensive and will probably comprise a relatively thin mantling, however, any made ground is likely to be of variable and unpredictable load bearing characteristics. The weathered mudstones, siltstones and sandstones anticipated beneath any made ground are often adequately competent to support traditional style of foundations for low rise residential properties. If the ground conditions prove unsuitable, alternative foundation solutions may need to be adopted, such as vibro ground improvement.
- 4.3 As the site is within a Coal Mining Area where shallow, workable coal seams are anticipated, alongside possible underground clay extraction, the foundation design will also be influenced by the findings of deeper boreholes sunk to investigate potential mining. Remedial measures may required, such as drilling and grouting, if coal seams and/or broken ground are found to be present within influencing distance of surface structures and a raft style of foundation may be required to cater for any minor residual ground movements.
- 4.4 Table 2 below summarises the main geotechnical risks associated with the redevelopment of the site for low rise residential properties.

Table 2: Preliminary Geotechnical Risk Assessment

Hazard	Pathway	Receptor	Evaluation of Risk
Made Ground	Special Foundations Required Instability of Excavations Uneven settlement after loading	Structures Foundations Services	'Low' risk of the presence of unsuitable made ground present which could include some demolition rubble and mining discard, based on the recorded site history
Soft / Loose Natural Soils	Special Foundations Required Instability of Excavations Uneven settlement after loading	Structures Foundations Services	'Low' of the presence of softened or loose natural soils – anticipating weathered Coal Measures beneath topsoil / made ground as recorded in the published geology
Aggressive Ground to Buried Concrete	Direct contact with soils and shallow groundwater	Structures Foundations	'Moderate' risk of the presence of aggressive ground conditions to buried concrete due to underlying geology.
Abandoned Wells	Instability of Excavations Uneven settlement after loading Loose backfill Potential of Collapse	Structures Foundations Services	'Low' risk of the presence of abandoned wells, site appears to be undeveloped prior to Ice Cream Factory, however, the OS maps only record from the 1880s. Historical wells/pumps were associated with properties surrounding the site.
Buried Tanks and Structures	Special Foundations Required Instability of Excavations	Structures Foundations	'Low to Moderate' risk of the presence of abandoned buried fuel tanks or structures associated with Ice Cream Factory

Buried Utilities	Obstructions for foundations and infrastructure	Structures Building Works Construction	'High' risk of live or redundant services beneath the site. A sewer is present adjacent to the northern boundary.
Shallow Groundwater	Special Foundations Required Instability of Excavations Groundwater Control	Structures Building Works Construction	'Moderate' risk of shallow groundwater, pumps/wells shown on historical maps around the site showing groundwater may be available at relatively shallow depth
Historical Foundations	Obstructions for foundations and infrastructure	Structures Building Works Construction	'High' risk in the areas currently occupied by buildings, 'Low' for unoccupied parts of the site which appear to have been undeveloped on historical maps
Mine Entries	Instability of Excavations Uneven settlement after loading Loose backfill Potential of Collapse Treatment Required	 Structures Foundations Services	'Low to Moderate' risk of the presence of unrecorded mine entries associated with coal or clay mining within the site boundaries
Coal and Clay Mining	Uneven settlement after loading Special Foundations Required Treatment Required	Structures Foundations Services	'Moderate' risk of the presence of coal or clay mine workings beneath the site

5. Ground Gas & Radon Protective Measures

5.1 Landfill Type Gases

- 5.1.1 The presence of any made ground can often generate landfill type gases such as methane and carbon dioxide. The geological maps show made ground to be present around the site, with some clay pit excavations which may have been infilled, spoil heaps and landfill sites within potentially influencing distance (<250m). Due to the lack of apparent developmental history prior to the Ice Cream Factory and sheds being constructed on site, it is thought unlikely to be a significant mantling of made ground below the proposed development area. The risk of potential ground gases impacting Human Health is deemed to be high.

5.2 Radon Protective Measures

- 5.2.1 The Groundsure report states that the site is not within a Radon Affected Area as 'less than 1%' of dwellings exceed the Radon Action Level. Radon Protective Measures are therefore unlikely to be required to be incorporated into the new proposed property, however it is recommended that confirmation is sought from the Local Authority.

6. Recommendations for Phase II Intrusive Site Investigation

6.1 Environmental Assessment

- 6.1.1 The potential for contamination beneath the site will need to be addressed by a Phase II intrusive investigation to allow consideration of potential impacts with respect to Human Health, Controlled Waters and the wider environment.
- 6.1.2 Due to the history of the site and the findings of the site walkover as discussed earlier, the environmental risks associated with the proposed residential development are deemed to be generally 'moderate' for contamination within soils. There is a potential 'high' risk of asbestos due to roof tile fragments in the area around the derelict Ice Cream Factory, and a potential 'high' risk of ground gases affecting future properties from off site sources. It should be appreciated that there is the potential for unrecorded activities to have taken place and the historical Ordnance Mapping provides 'snapshots' of the history of the site.

6.2 Geotechnical Assessment

- 6.2.1 In order to gain appropriate foundation design parameters for the proposed residential development, a more detailed Phase II assessment of the sub surface conditions will be required. As well as the geotechnical properties of the shallow soils for foundation design, an assessment into the potential for historical coal and clay mining to affect surface structures should also be undertaken.

6.3 Investigation Strategy

- 6.3.1 The recommended Phase II investigation, based on the proposals for the construction of the new building could include the following:
- A survey should be carried out across the site to lower the risk of damage to live services. It is understood that a survey has been commissioned by the Client which would be available prior to any intrusive site investigation works. A sewer is known to cross the north of the site.
 - Sinking a series of windowless sample, cable percussive boreholes and/or machine excavated trial pits across the site which would characterise the geotechnical properties of the prevailing ground conditions and allow a suitable scheme of foundations to be designed.
 - Sinking a series of rotary boreholes to investigate the mining geology and assess whether any remedial measures are required should coal seams or worked strata be encountered within potentially influencing depth.
 - Monitoring wells should be installed in the shallow boreholes with return visits made to site to record groundwater levels and ground gas concentrations.
 - Samples of soils taken from the exploratory positions should be sent to approved laboratories for both geotechnical and contamination analyses. The chemical testing suite as determined from this Phase I assessment should consist of screening tests for the contaminants included in Table 1 above and updated if necessary following the logging of the soils.
 - An interpretative report should be prepared, which reviews the geotechnical and environmental findings of the site, in view of the proposed development. It should include comments for foundation design, a review of the findings of the contamination testing and recommendations on remedial measures for contamination and ground gases. The report should also highlight where further information is required to enable detailed design proposals or remedial measures to be developed.

FOR AND ON BEHALF OF

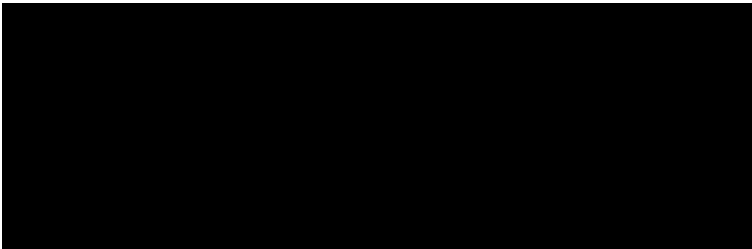
GIP LIMITED



K. C. Davis BSc (Hons), FGS.

GEO-ENVIRONMENTAL ENGINEER

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J. P. Hughes BSc, MSc, C Geol, FGS, C Sci, Eur. Geol.

MANAGING DIRECTOR

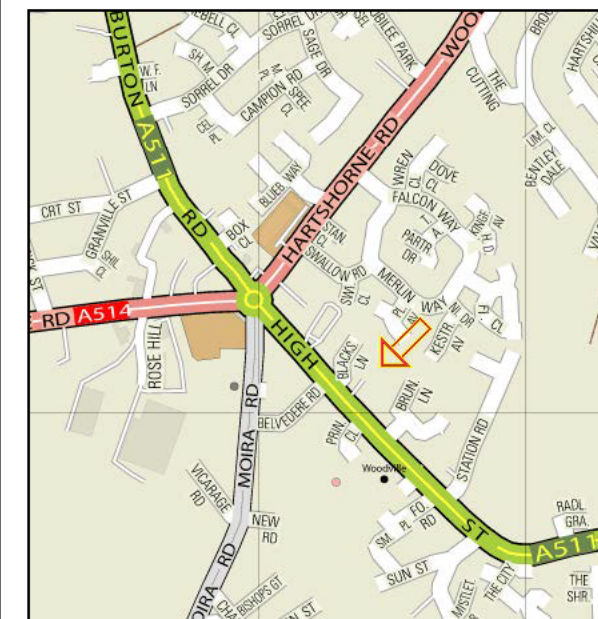
APPENDIX A





All positions are approximate as shown

Site Location



Key:

→ = Photographs



Devonshire House, Ettingshall Road,
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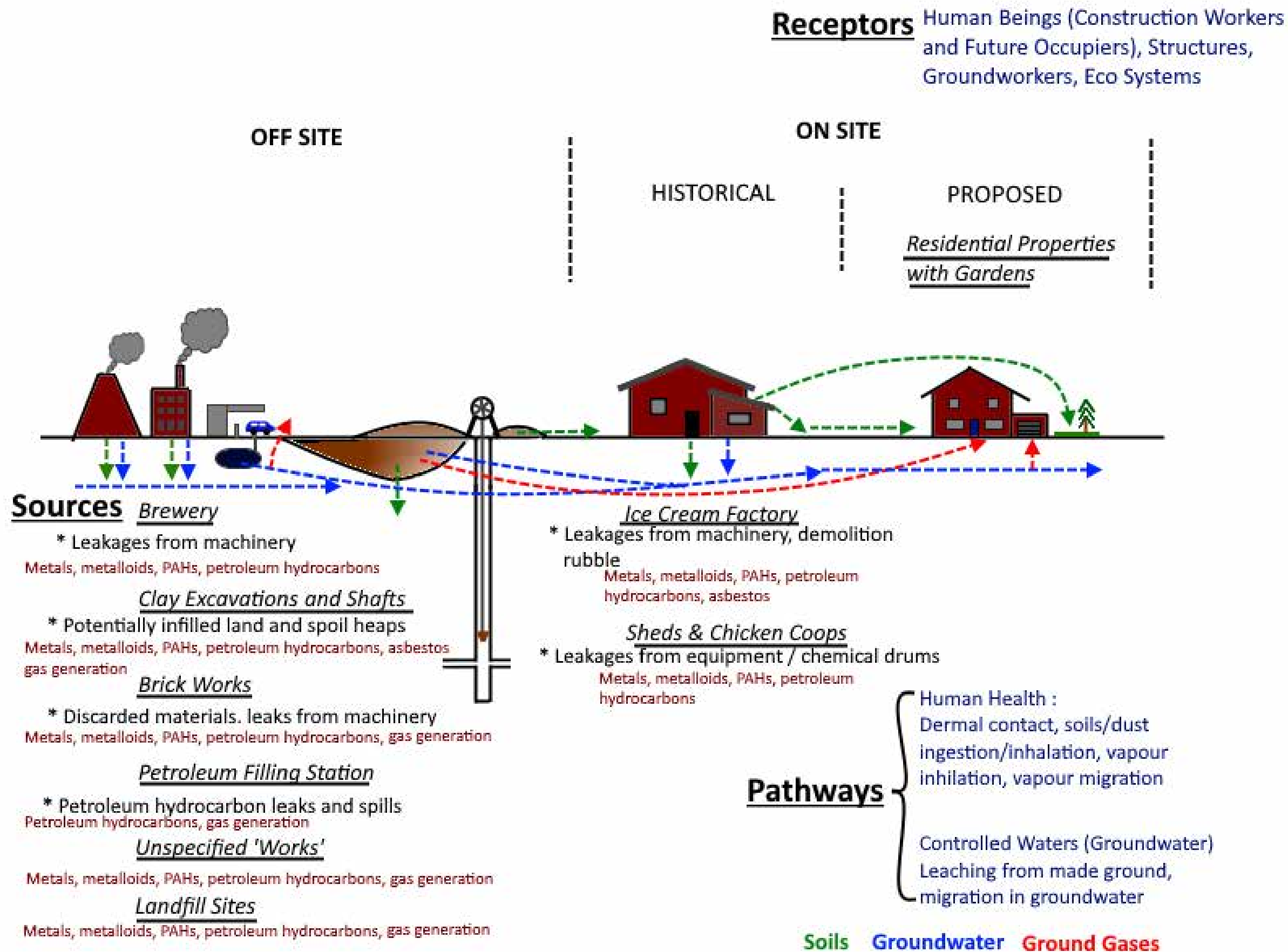
Title: Ground Investigation at Brunt Lane,
Woodville

**Plan Detailing Existing Site Layout & Approximate
Photograph Locations.**

Client: Tricas Construction Ltd

Scale: Not to Scale	Date: January 2021
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Contract: 30092	Drg: 1
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PROPOSED RESIDENTIAL DEVELOPMENT AT BRUNT LANE, SWADLINGCOTE

LEGEND

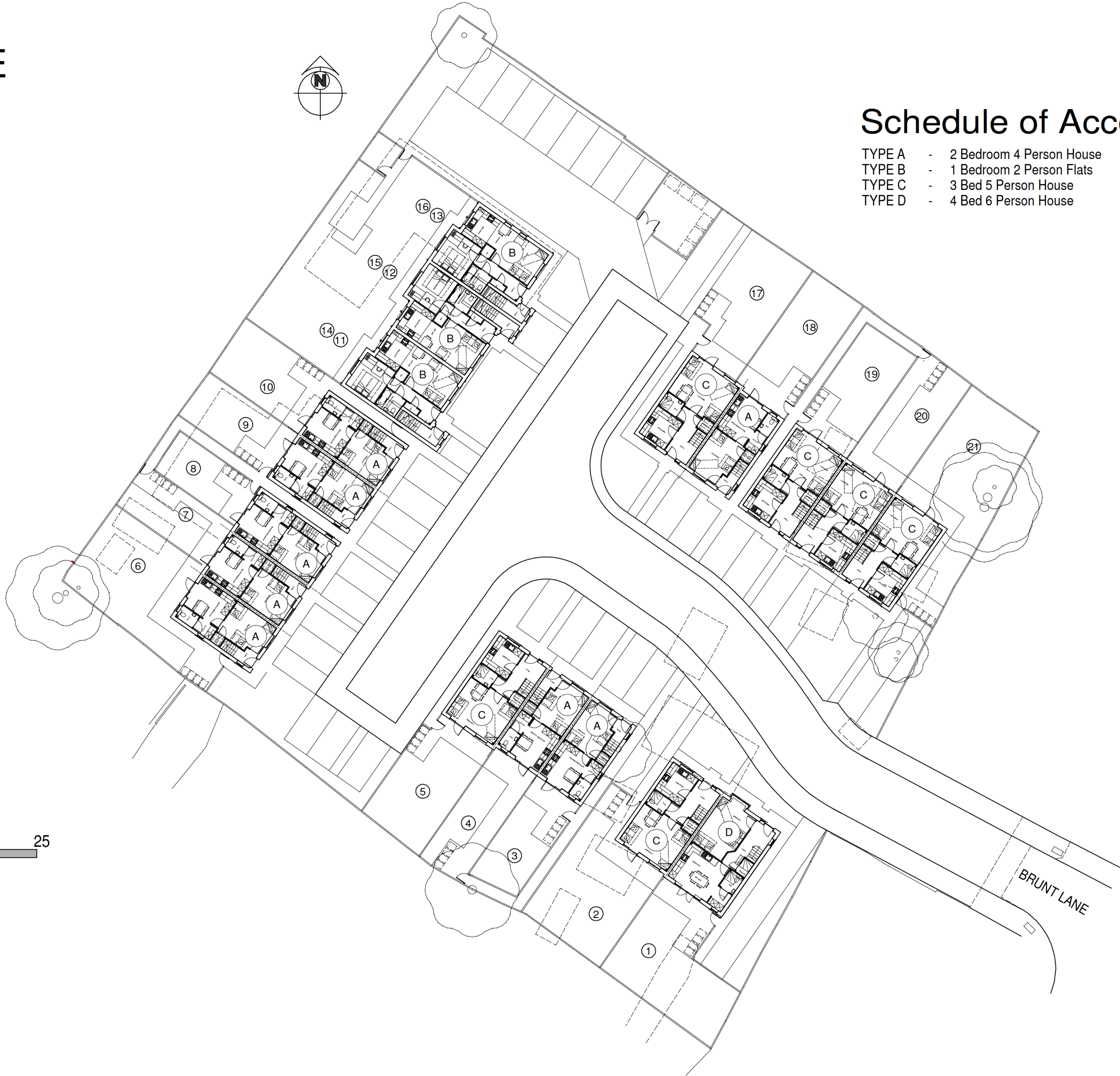
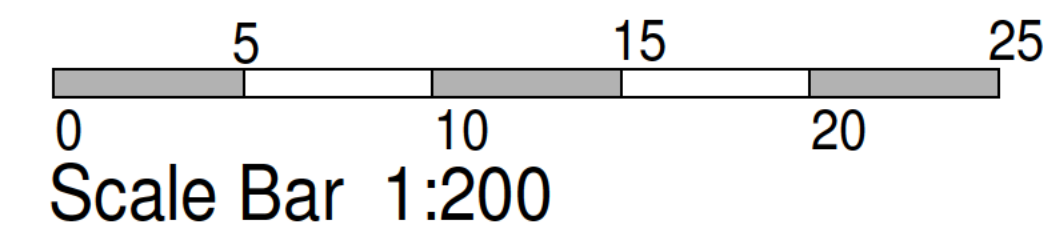
- TURFED AREAS
- PRECAST CONCRETE PAVING
- TARMACADAM PARKING
- TREES TO BE REMOVED
- NEW TREE PLANTING
- TARMACADAM HIGHWAY / FOOTWAY
- ECOLOGY AREA
- MULCH / SHRUBBERY
- CONCRETE SETTS
- REFUSE CONTAINERS

- BOUNDARY TREATMENTS
- ①

1000mm HIGH BLACK POWDER COATED MILD STEEL HOOP TOP FENCING
- ②

1800mm CLOSE VERTICAL BOARDED TIMBER FENCE WITH CONCRETE POSTS AND PLINTH PANEL
- ③

1500mm CLOSE VERTICAL BOARDED TIMBER FENCE WITH CONCRETE POSTS AND PLINTH PANEL



Schedule of Accommodation

TYPE A	-	2 Bedroom 4 Person House	72.00 Sq.Metres	8	CAR PARKING 1 Bed Flat 133% 2 / 3 bed House 200% 4 bed House 300%
TYPE B	-	1 Bedroom 2 Person Flats	49.0 / 52.0 Sq.Metres	6	
TYPE C	-	3 Bed 5 Person House	89.00 Sq.Metres	6	
TYPE D	-	4 Bed 6 Person House	102.00 Sq.Metres	1	
TOTAL				21No	

SITE LAYOUT

Draft
nicol thomas

Rev:	Date	Description

nicol thomas
architects project managers construction cost consultants CDM
co-ordinators
Registered in England and Wales, Reg No. 2140639
Quality Assured to BS EN ISO 9001:1994 Certificate Number GB 4723

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Also at Birmingham (Registered office)
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Client:	TAYLOR LAND DEVELOPMENTS		
Job:	BRUNT LAND, SWADLINGCOTE		
Drawing title:	PROPOSED SITE LAYOUT		
Drawing Number: (Job number)	M4621.PL.01	DRAFT	Revision:
Scale:	1:200 @ A1		
Date:	20.10.20		
Drawn by/ checked by:	S		

APPENDIX B





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DATE: January 2021



CLIENT: Tricas Construction Ltd



Devonshire House, Ettingshall Road,
Wolverhampton. WV2 2JT.
Tel : 01902 459558
www.gipuk.com
info@gipuk.com

TITLE: Phase I Walkover at Brunt Lane, Woodville

CONTRACT: 30092

PHOTOGRAPH No: 18

DATE: January 2021



CLIENT: Tricas Construction Ltd



Devonshire House, Ettingshall Road,
Wolverhampton. WV2 2JT.
Tel : 01902 459558
www.gipuk.com
info@gipuk.com

TITLE: Phase I Walkover at Brunt Lane, Woodville

CONTRACT: 30092

PHOTOGRAPH No: 19

DATE: January 2021



CLIENT: Tricas Construction Ltd



Devonshire House, Ettingshall Road,
Wolverhampton. WV2 2JT.
Tel : 01902 459558
www.gipuk.com
info@gipuk.com

TITLE: Phase I Walkover at Brunt Lane, Woodville

CONTRACT: 30092

PHOTOGRAPH No: 20

DATE: January 2021



CLIENT: Tricas Construction Ltd



Devonshire House, Ettingshall Road,
Wolverhampton. WV2 2JT.
Tel : 01902 459558
www.gipuk.com
info@gipuk.com

TITLE: Phase I Walkover at Brunt Lane, Woodville

CONTRACT: 30092

PHOTOGRAPH No: 21

DATE: January 2021



CLIENT: Tricas Construction Ltd



Devonshire House, Ettingshall Road,
Wolverhampton. WV2 2JT.
Tel : 01902 459558
www.gipuk.com
info@gipuk.com

TITLE: Phase I Walkover at Brunt Lane, Woodville

CONTRACT: 30092

PHOTOGRAPH No: 22

DATE: January 2021

APPENDIX C



Site Details:

LAND OFF BRUNT LANE,
WOODVILLE, SWADLINCOTE,
DE11 7EE

Client Ref: KCD-2020-002_30092
Report Ref: GS-7406565
Grid Ref: 431731, 319090

Map Name: County Series

Map date: 1882

Scale: 1:2,500

Printed at: 1:2,500



Surveyed 1882
Revised 1882
Edition N/A
Copyright N/A
Levelled N/A

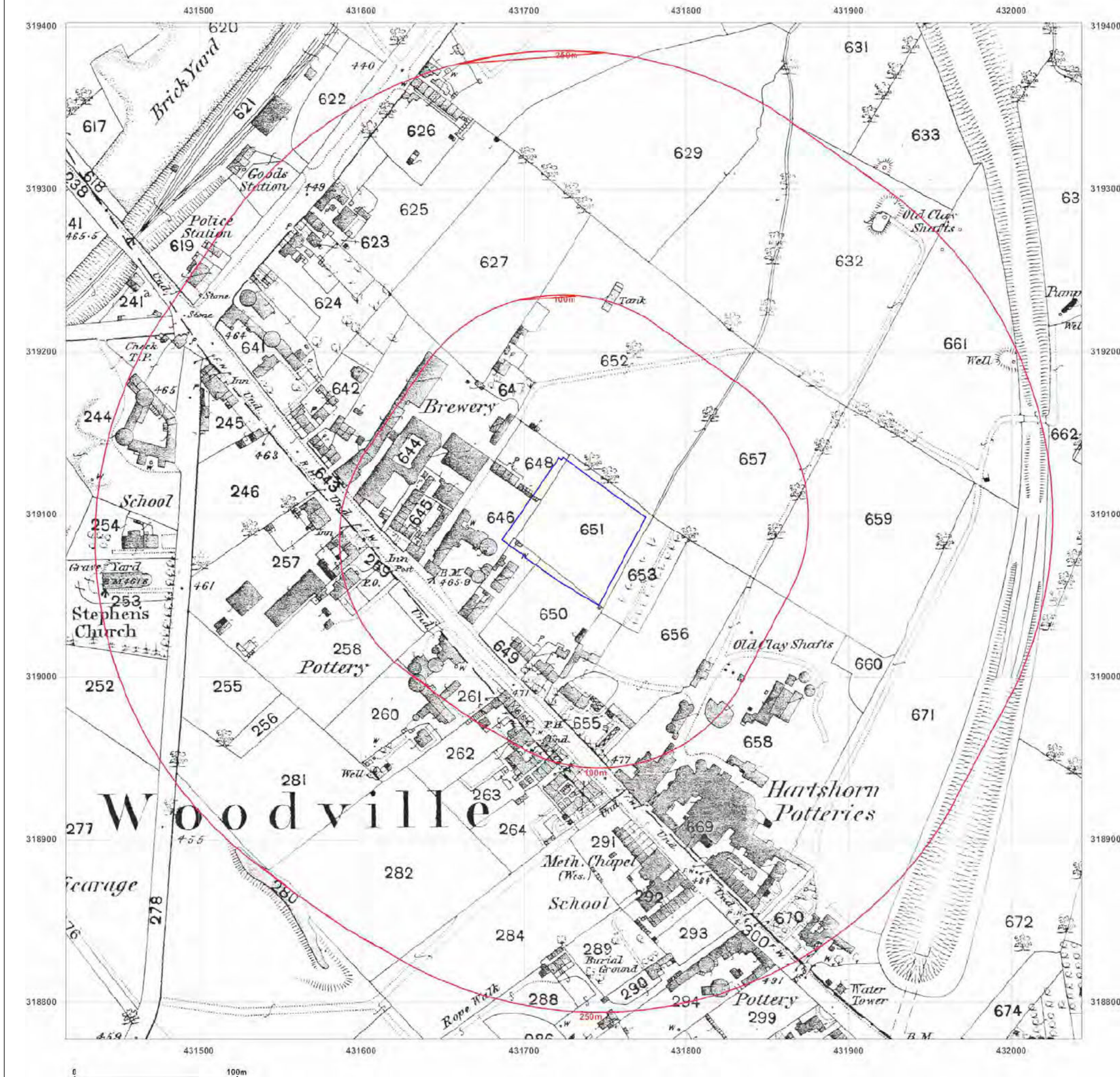


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Production date: 06 January 2021

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Site Details:

LAND OFF BRUNT LANE,
WOODVILLE, SWADLINCOTE,
DE11 7EE

Client Ref: KCD-2020-002_30092
Report Ref: GS-7406565
Grid Ref: 431731, 319090

Map Name: County Series

Map date: 1883

Scale: 1:2,500

Printed at: 1:2,500



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

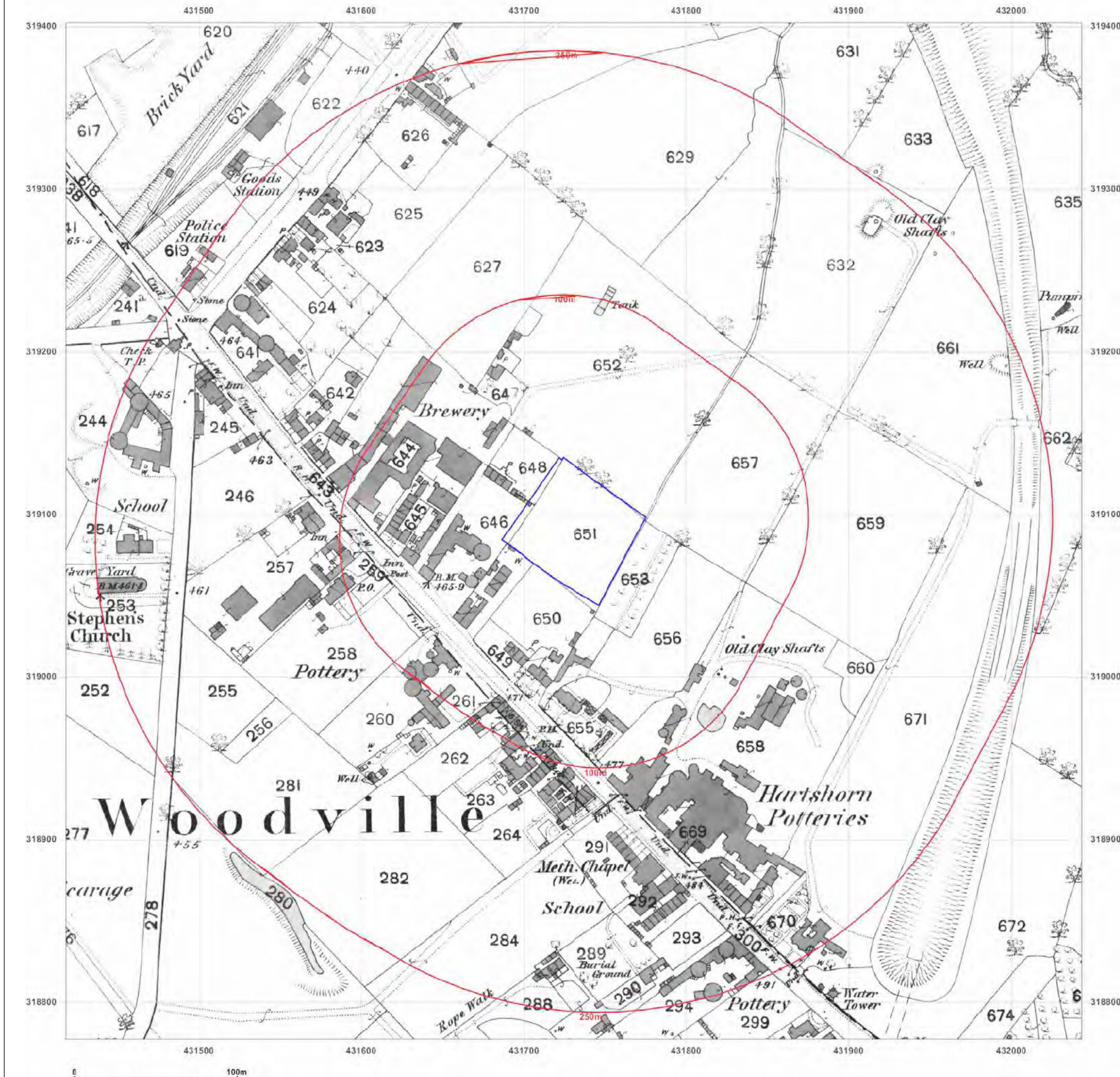


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Site Details:

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WOODVILLE, SWADLINCOTE,
DE11 7EE

Client Ref: KCD-2020-002_30092
Report Ref: GS-7406565
Grid Ref: 431731, 319090

Map Name: County Series

Map date: 1901

Scale: 1:2,500

Printed at: 1:2,500



Surveyed 1881
Revised 1900
Edition 1901
Copyright N/A
Levelled N/A

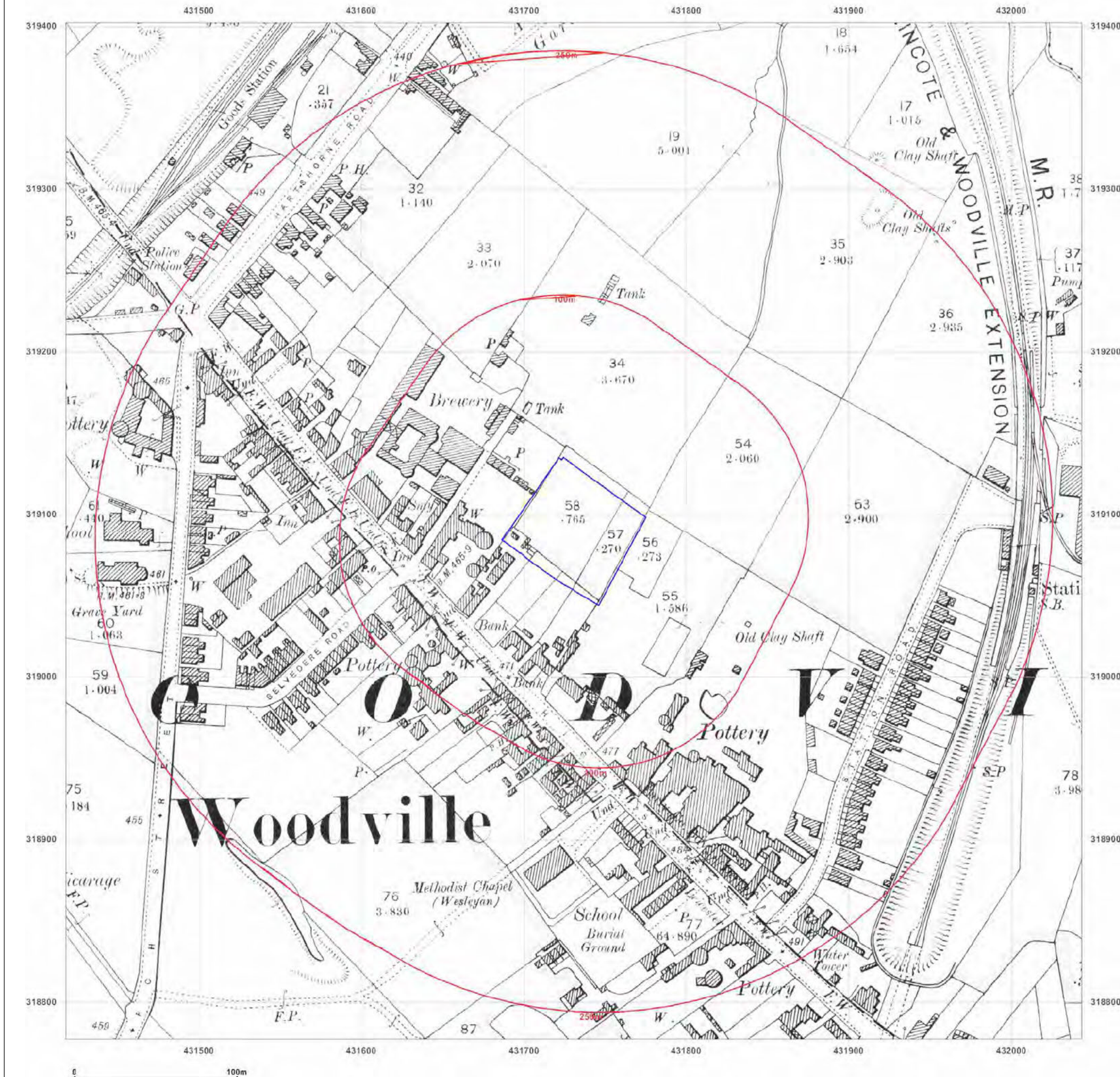


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Site Details:

LAND OFF BRUNT LANE,
WOODVILLE, SWADLINCOTE,
DE11 7EE

Client Ref: KCD-2020-002_30092
Report Ref: GS-7406565
Grid Ref: 431731, 319090

Map Name: County Series

Map date: 1901

Scale: 1:2,500

Printed at: 1:2,500



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

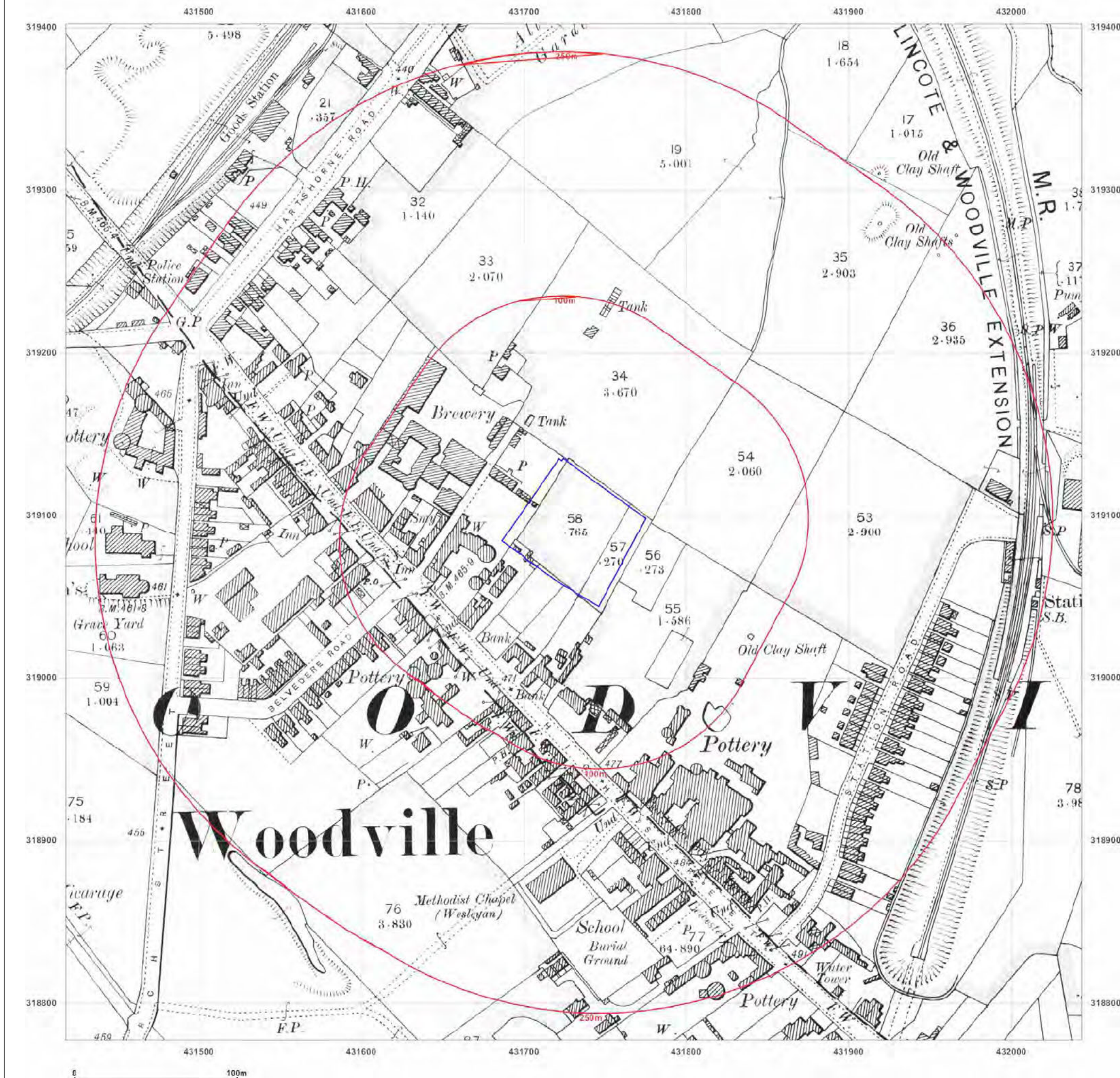


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Site Details:

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DE11 7EE

Client Ref: KCD-2020-002_30092
Report Ref: GS-7406565
Grid Ref: 431731, 319090

Map Name: County Series

Map date: 1923

Scale: 1:2,500

Printed at: 1:2,500



Surveyed 1923
Revised 1923
Edition N/A
Copyright N/A
Levelled N/A

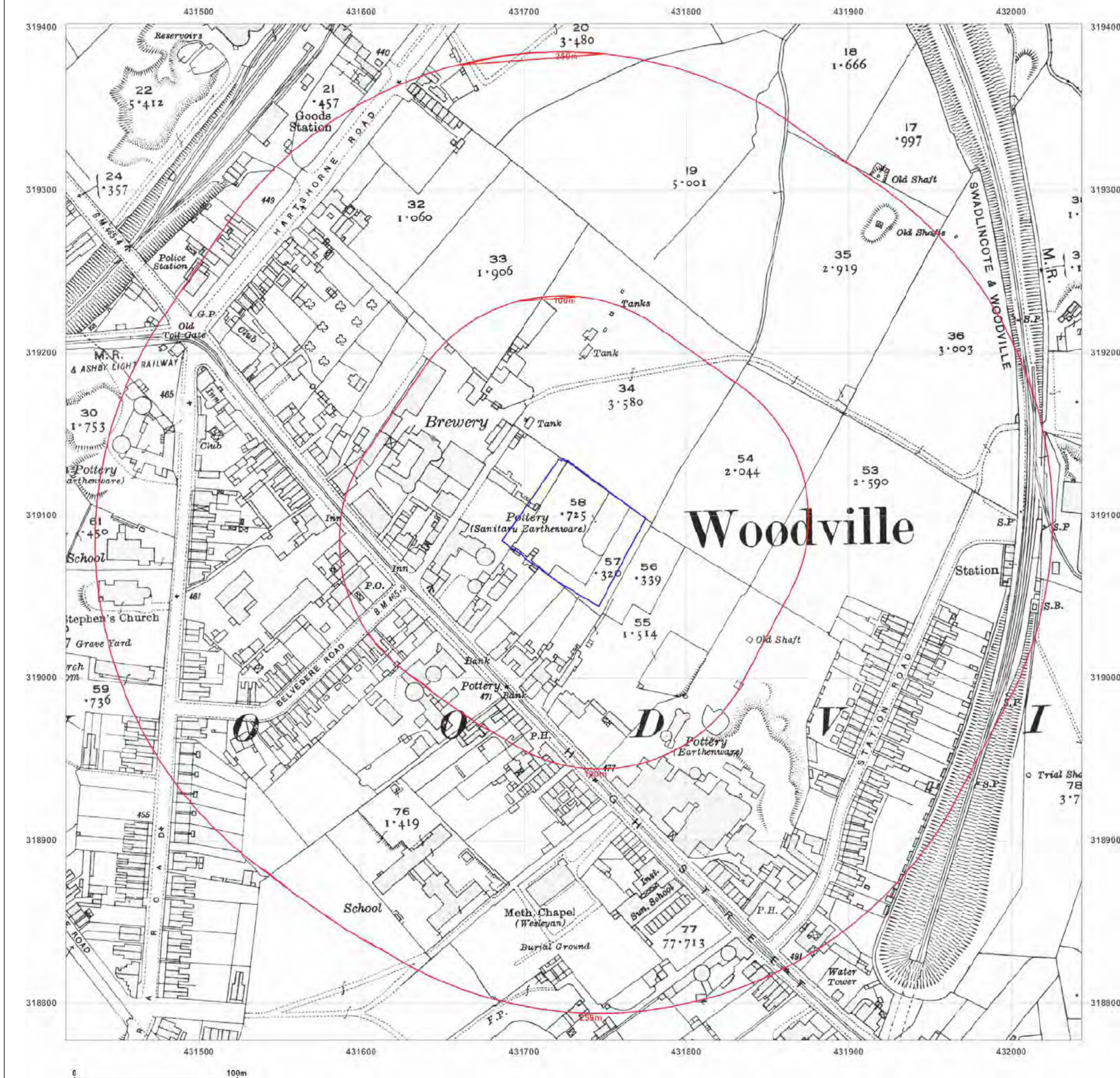


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Site Details:

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DE11 7EE

Client Ref: KCD-2020-002_30092
Report Ref: GS-7406565
Grid Ref: 431731, 319090

Map Name: County Series

Map date: 1937

Scale: 1:2,500

Printed at: 1:2,500



Surveyed 1937
Revised 1937
Edition N/A
Copyright N/A
Levelled N/A

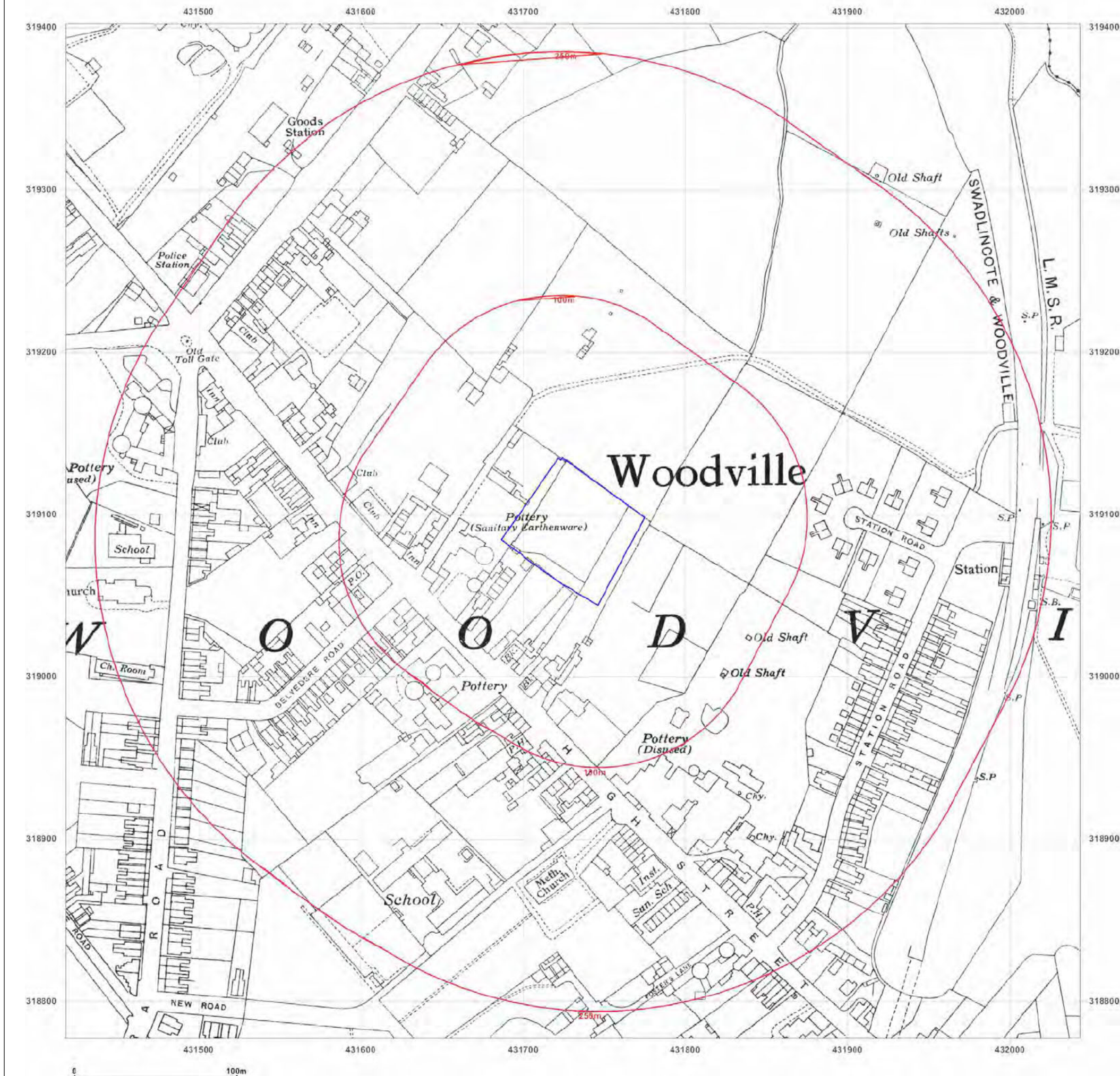


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Site Details:

LAND OFF BRUNT LANE,
WOODVILLE, SWADLINCOTE,
DE11 7EE

Client Ref: KCD-2020-002_30092
Report Ref: GS-7406565
Grid Ref: 431731, 319090

Map Name: National Grid

Map date: 1959-1960

Scale: 1:2,500

Printed at: 1:2,500



Surveyed 1959
Revised 1959
Edition N/A
Copyright 1960
Levelled 1949

Surveyed 1959
Revised 1959
Edition N/A
Copyright 1960
Levelled 1957

Surveyed 1959
Revised 1959
Edition N/A
Copyright 1960
Levelled 1958

Surveyed 1959
Revised 1959
Edition N/A
Copyright 1960
Levelled 1958

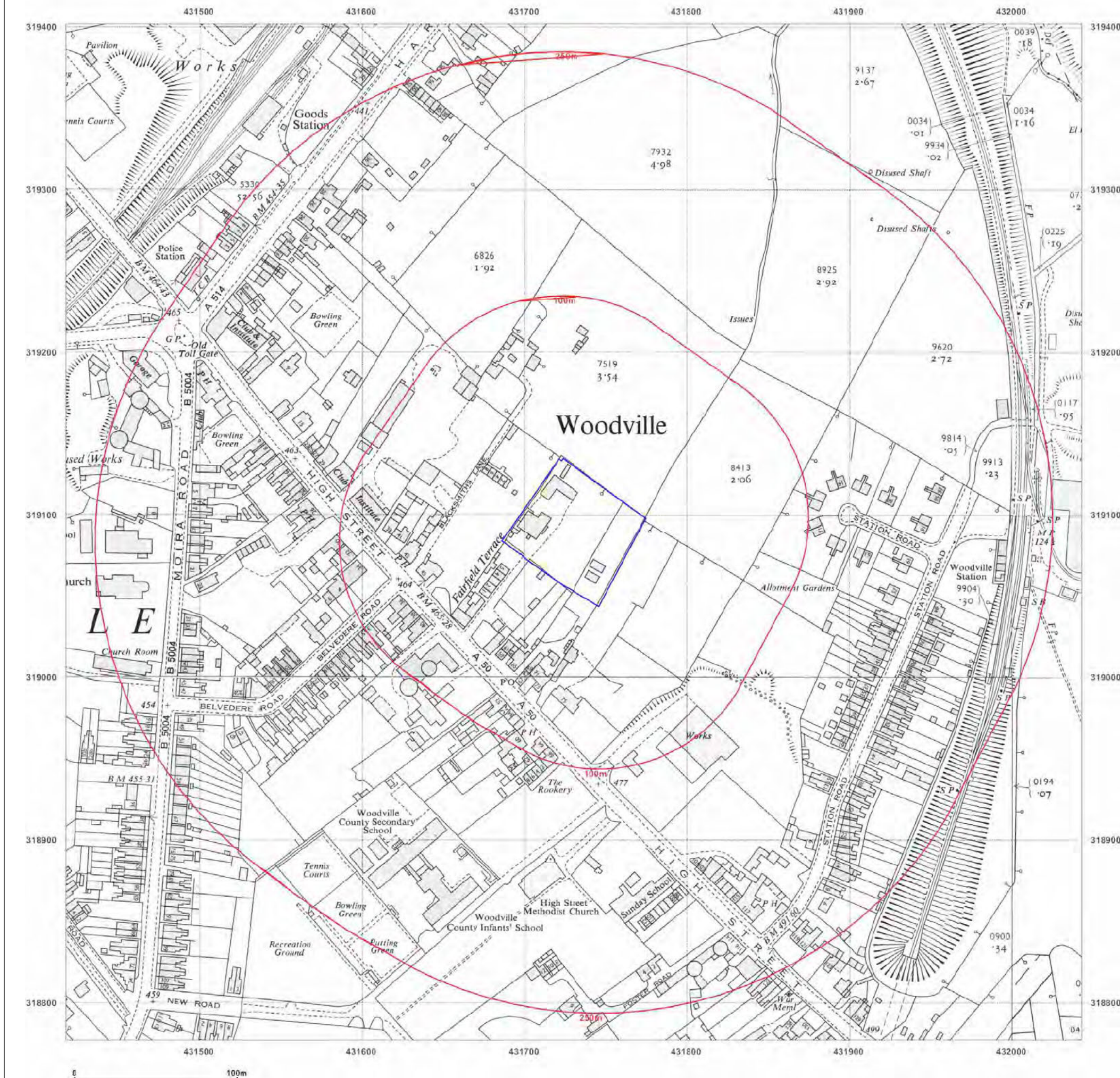


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Site Details:

LAND OFF BRUNT LANE,
WOODVILLE, SWADLINCOTE,
DE11 7EE

Client Ref: KCD-2020-002_30092
Report Ref: GS-7406565
Grid Ref: 431731, 319090

Map Name: National Grid

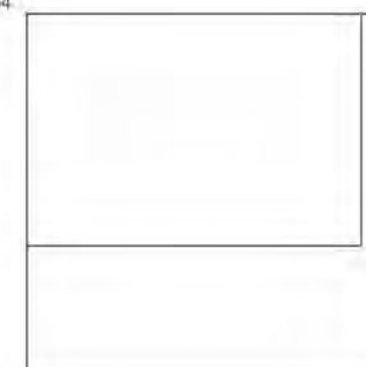
Map date: 1967

Scale: 1:2,500

Printed at: 1:2,500



Surveyed 1967
Revised 1967
Edition N/A
Copyright 1968
Levelled 1964

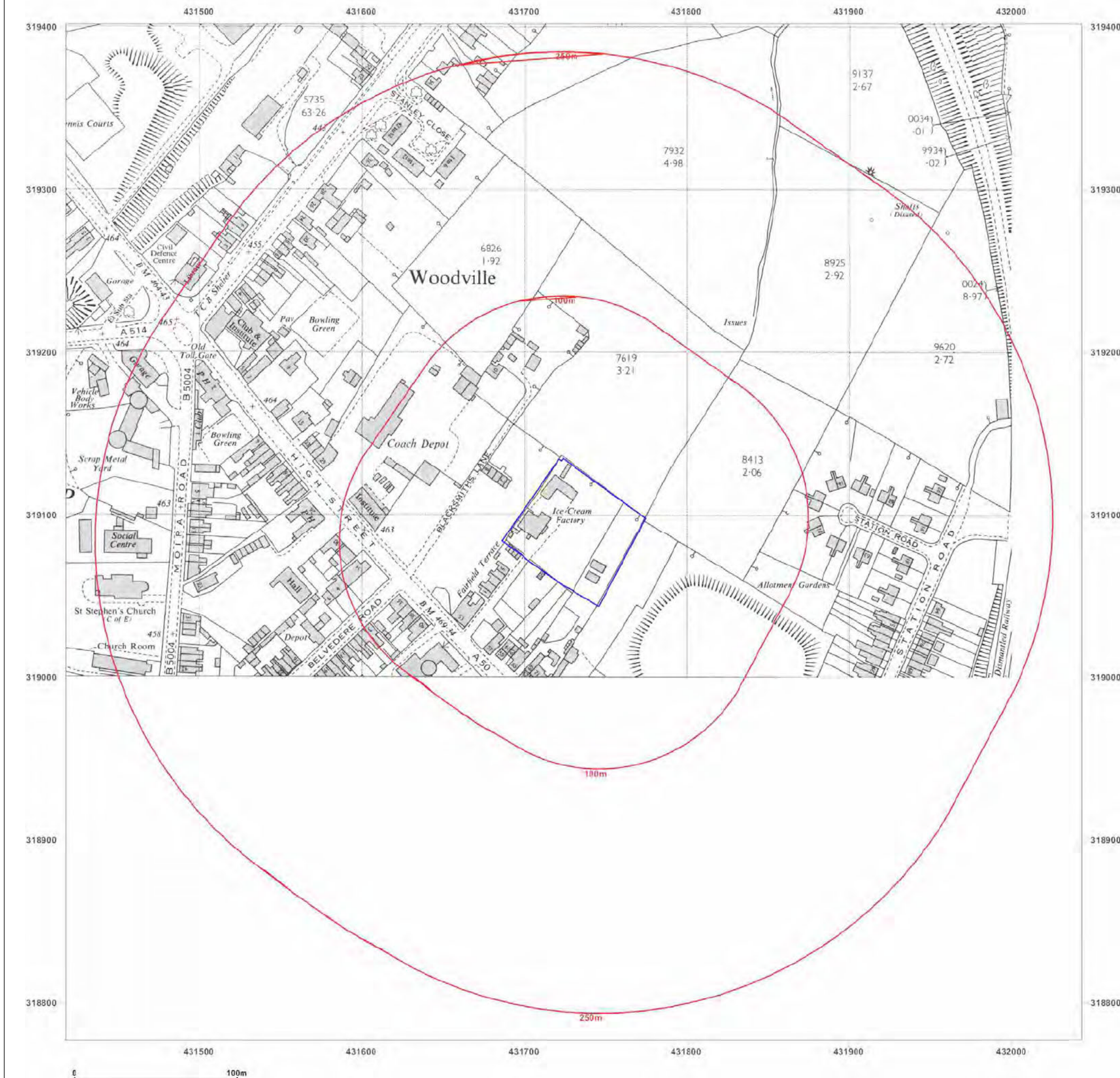


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Site Details:

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WOODVILLE, SWADLINCOTE,
DE11 7EE

Client Ref: KCD-2020-002_30092
Report Ref: GS-7406565
Grid Ref: 431731, 319090

Map Name: National Grid

Map date: 1968

Scale: 1:2,500

Printed at: 1:2,500



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

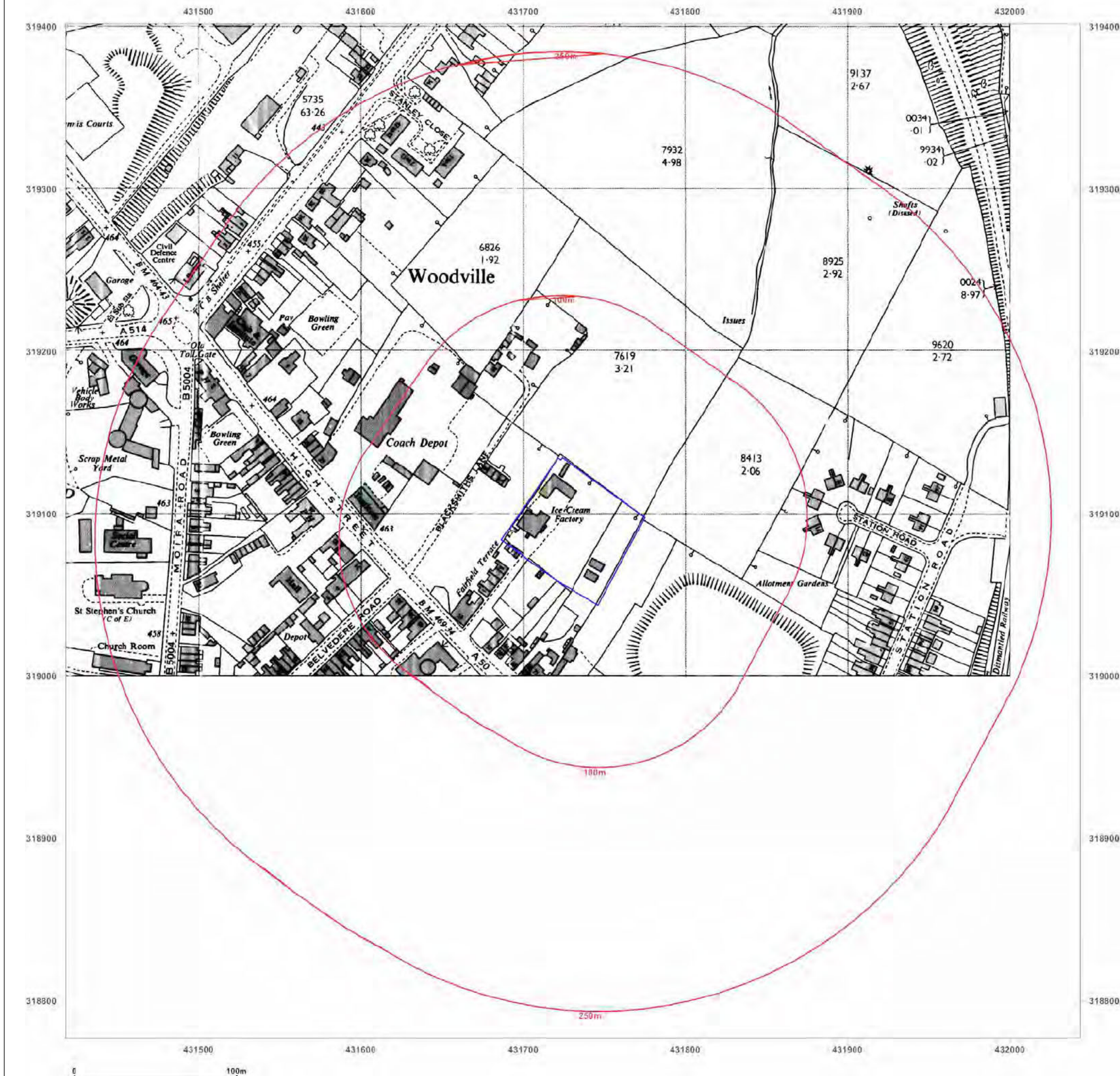


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Site Details:

LAND OFF BRUNT LANE,
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DE11 7EE

Client Ref: KCD-2020-002_30092
Report Ref: GS-7406565
Grid Ref: 431731, 319090

Map Name: National Grid

Map date: 1974-1975

Scale: 1:2,500

Printed at: 1:2,500



Surveyed 1974
Revised 1974
Edition N/A
Copyright 1975
Levelled 1963

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

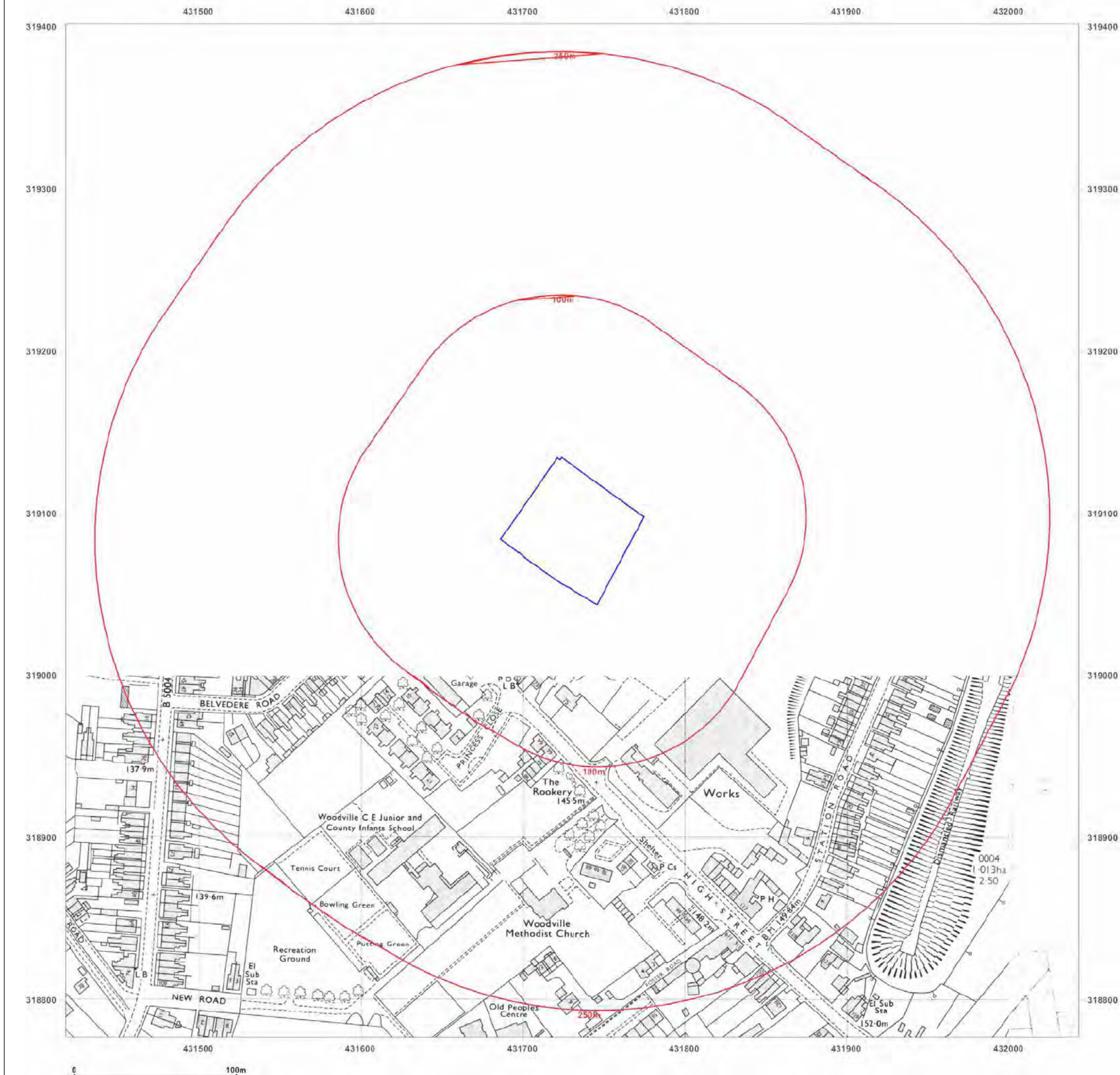


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Site Details:

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DE11 7EE

Client Ref: KCD-2020-002_30092
Report Ref: GS-7406565
Grid Ref: 431731, 319090

Map Name: National Grid

Map date: 1975-1980

Scale: 1:2,500

Printed at: 1:2,500



Surveyed 1963
Revised 1980
Edition N/A
Copyright N/A
Levelled 1963

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

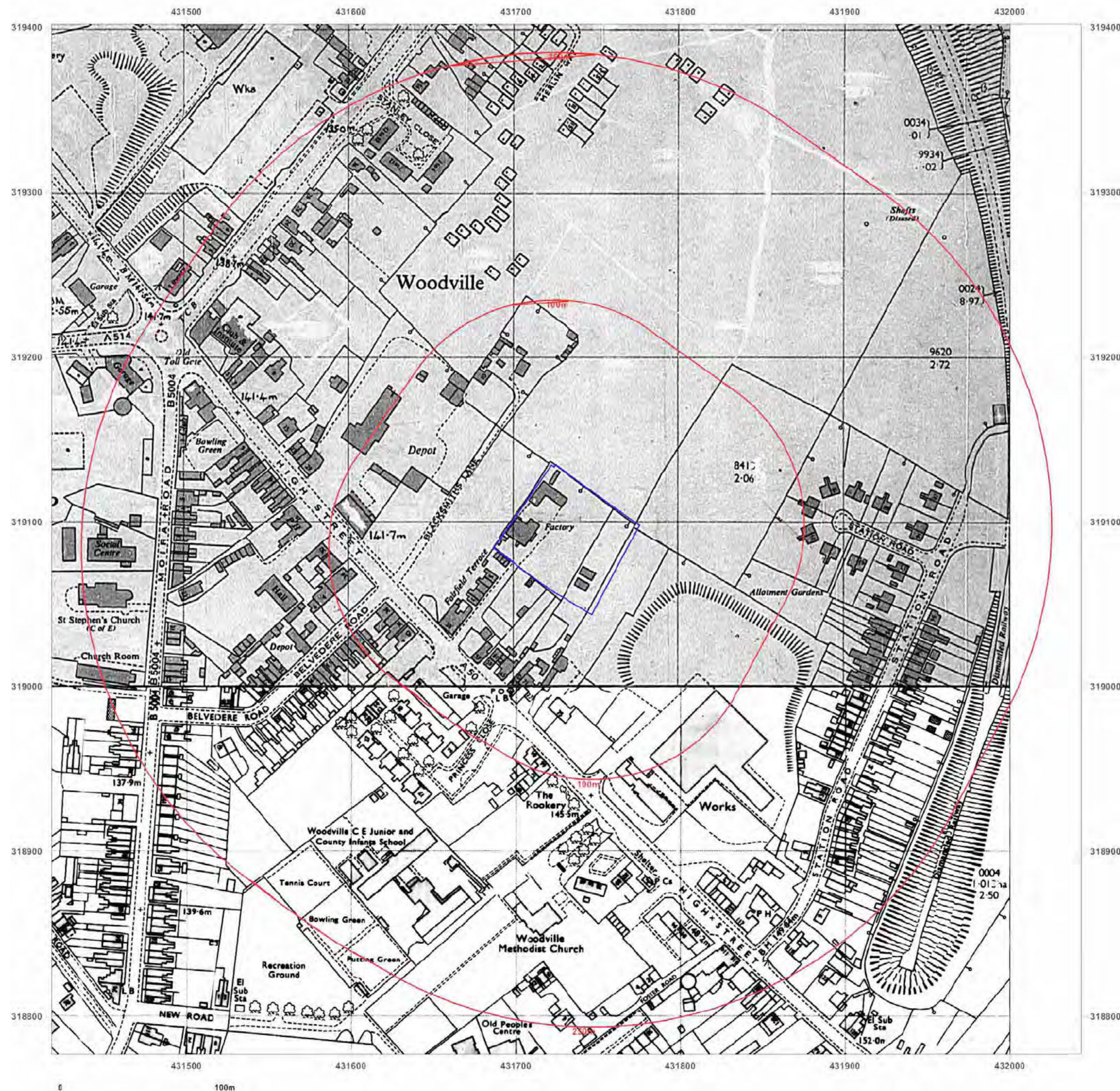


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DE11 7EE

Client Ref: KCD-2020-002_30092
Report Ref: GS-7406565
Grid Ref: 431731, 319090

Map Name: National Grid

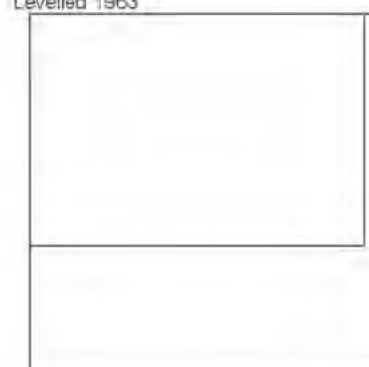
Map date: 1980

Scale: 1:2,500

Printed at: 1:2,500



Surveyed N/A
Revised N/A
Edition N/A
Copyright 1980
Levelled 1963

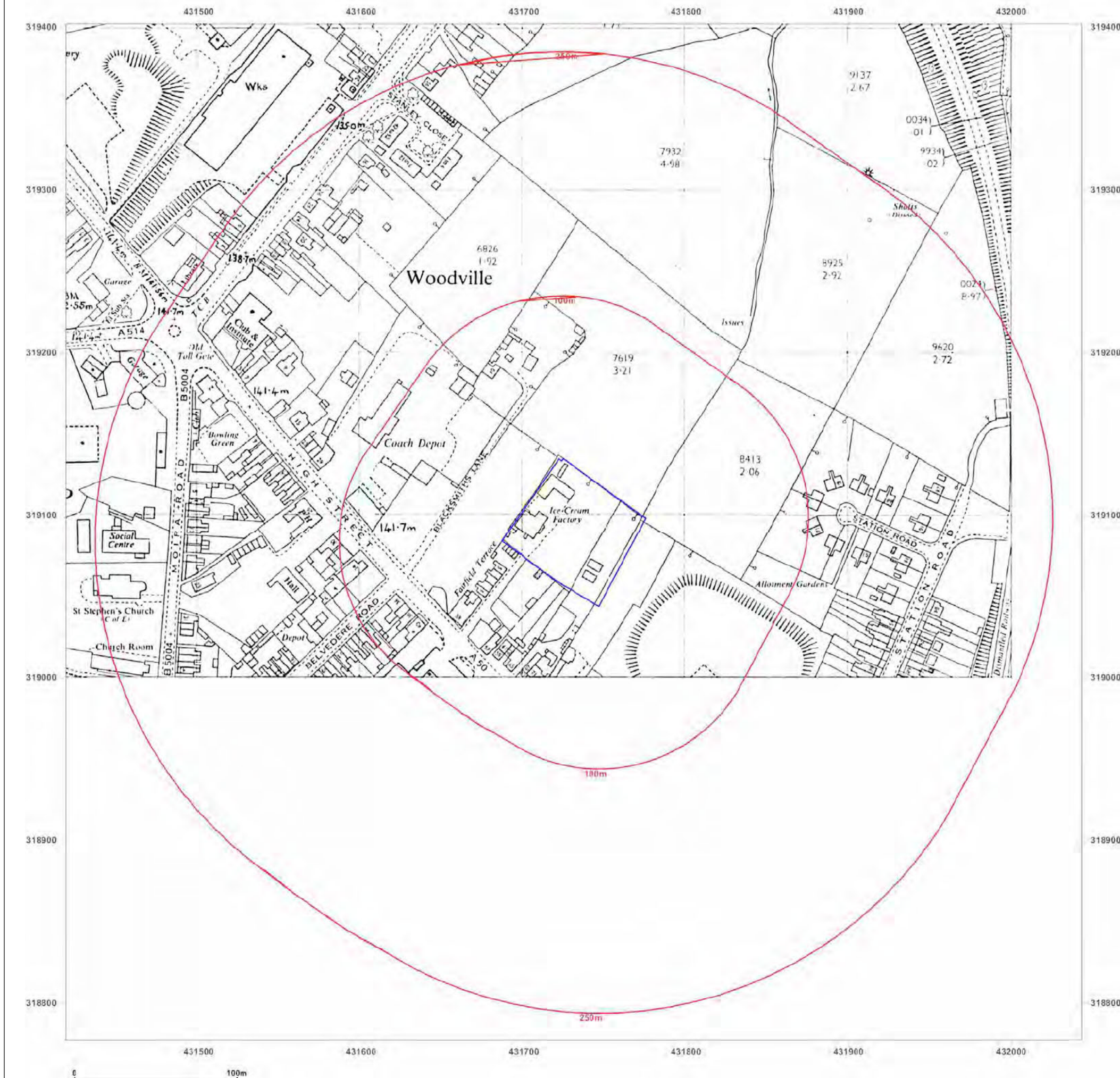


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Site Details:

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WOODVILLE, SWADLINCOTE,
DE11 7EE

Client Ref: KCD-2020-002_30092
Report Ref: GS-7406565
Grid Ref: 431731, 319090

Map Name: National Grid

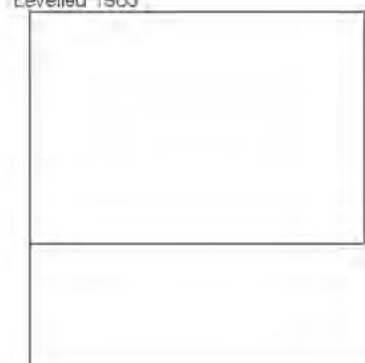
Map date: 1982

Scale: 1:2,500

Printed at: 1:2,500



Surveyed 1963
Revised 1982
Edition N/A
Copyright 1982
Levelled 1963

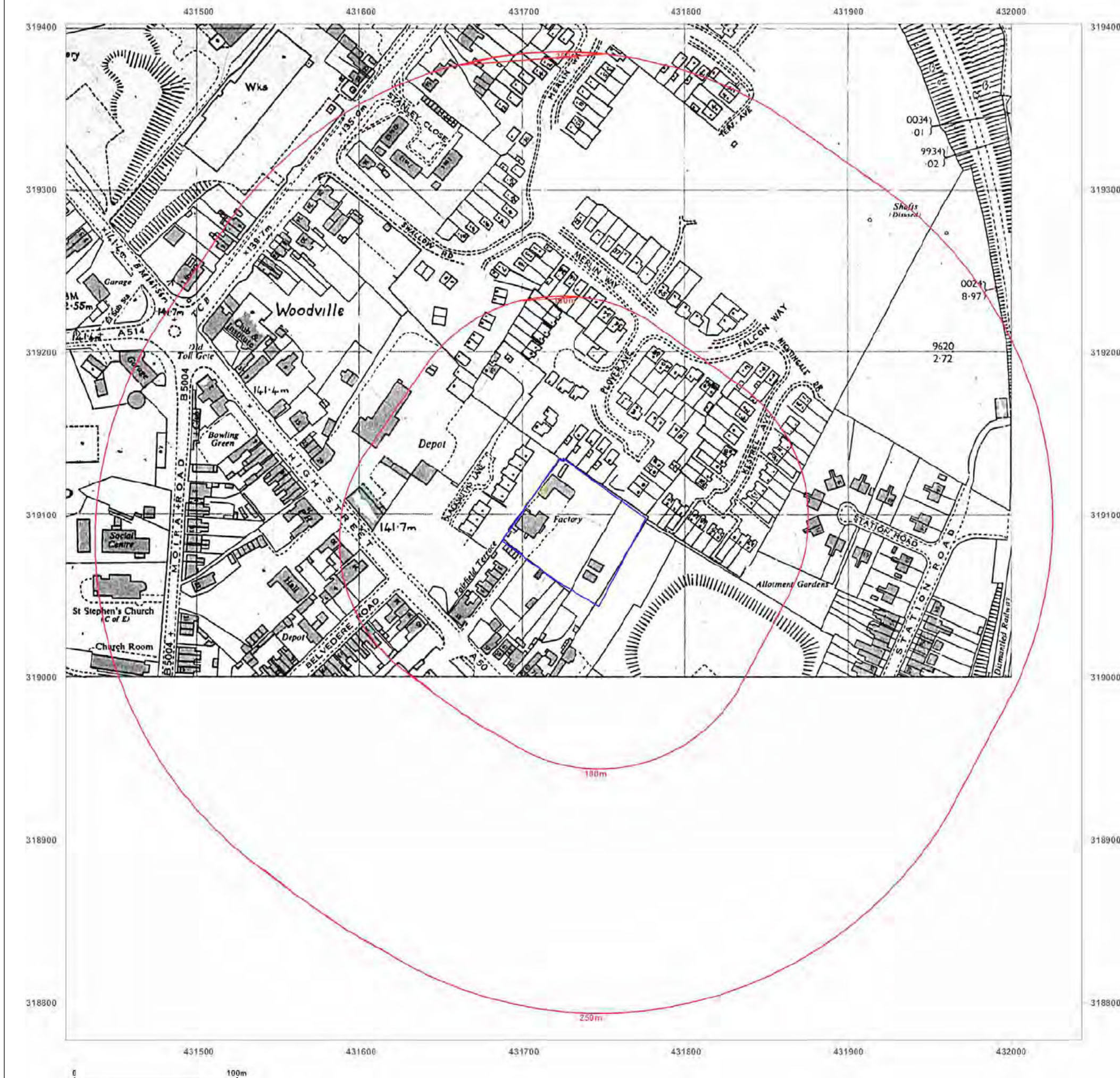


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DE11 7EE

Client Ref: KCD-2020-002_30092
Report Ref: GS-7406565
Grid Ref: 431731, 319090

Map Name: National Grid

Map date: 1985

Scale: 1:1,250

Printed at: 1:2,000



Surveyed 1983
Revised 1983
Edition N/A
Copyright 1985
Levelled 1963

Surveyed 1983
Revised 1983
Edition N/A
Copyright 1985
Levelled 1963

Surveyed 1983
Revised 1983
Edition N/A
Copyright 1985
Levelled 1963

Surveyed 1983
Revised 1983
Edition N/A
Copyright 1985
Levelled 1963



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DE11 7EE

Client Ref: KCD-2020-002_30092
Report Ref: GS-7406565
Grid Ref: 431731, 319090

Map Name: National Grid

Map date: 1990

Scale: 1:2,500

Printed at: 1:2,500



Surveyed N/A
Revised N/A
Edition N/A
Copyright 1990
Levelled 1963

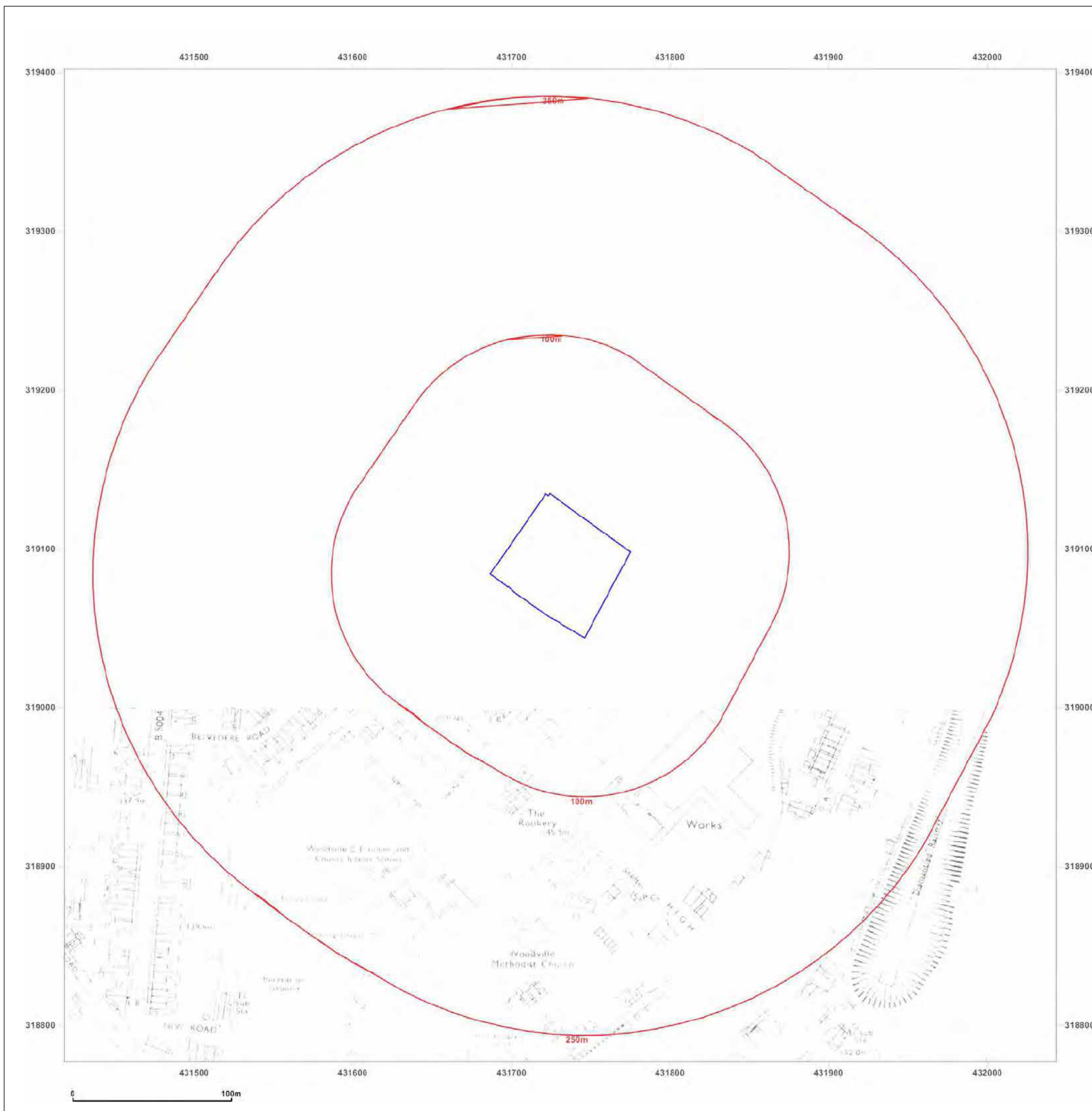


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DE11 7EE

Client Ref: KCD-2020-002_30092
Report Ref: GS-7406565
Grid Ref: 431731, 319090

Map Name: National Grid

Map date: 1990

Scale: 1:2,500

Printed at: 1:2,500



Surveyed 1963
Revised 1990
Edition N/A
Copyright 1990
Levelled 1963

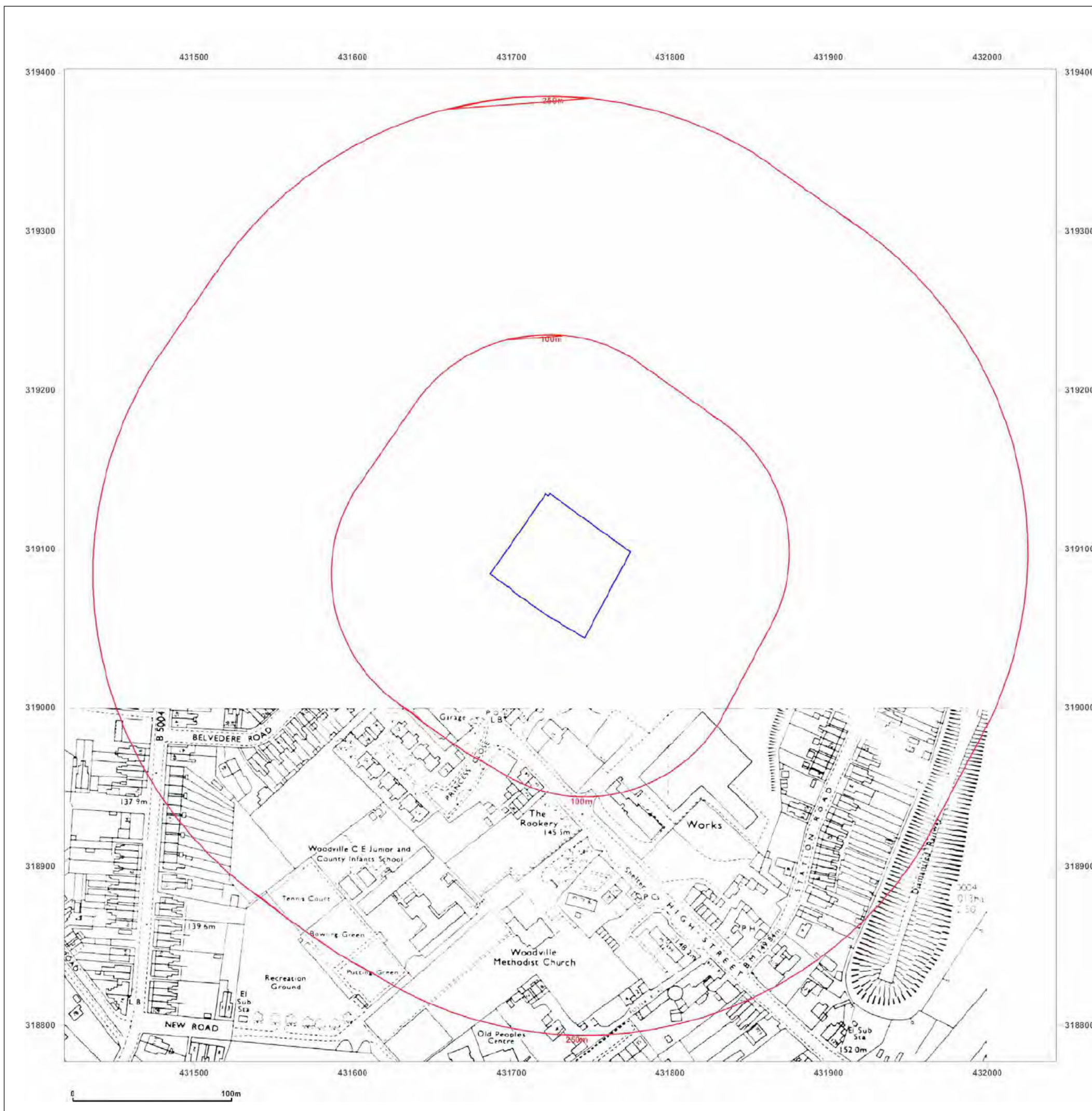


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Site Details:

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DE11 7EE

Client Ref: KCD-2020-002_30092
Report Ref: GS-7406565
Grid Ref: 431731, 319090

Map Name: National Grid

Map date: 1990-1993

Scale: 1:1,250

Printed at: 1:2,000



Surveyed 1983
Revised 1983
Edition N/A
Copyright 1992
Levelled 1983

Surveyed 1983
Revised 1983
Edition N/A
Copyright 1990
Levelled 1963

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

Surveyed 1983
Revised 1983
Edition N/A
Copyright 1992
Levelled 1963



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Site Details:

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WOODVILLE, SWADLINCOTE,
DE11 7EE

Client Ref: KCD-2020-002_30092
Report Ref: GS-7406565
Grid Ref: 431731, 319090

Map Name: National Grid

Map date: 1992-1993

Scale: 1:1,250

Printed at: 1:2,000



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

Surveyed 1983
Revised 1983
Edition N/A
Copyright 1992
Levelled 1983

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

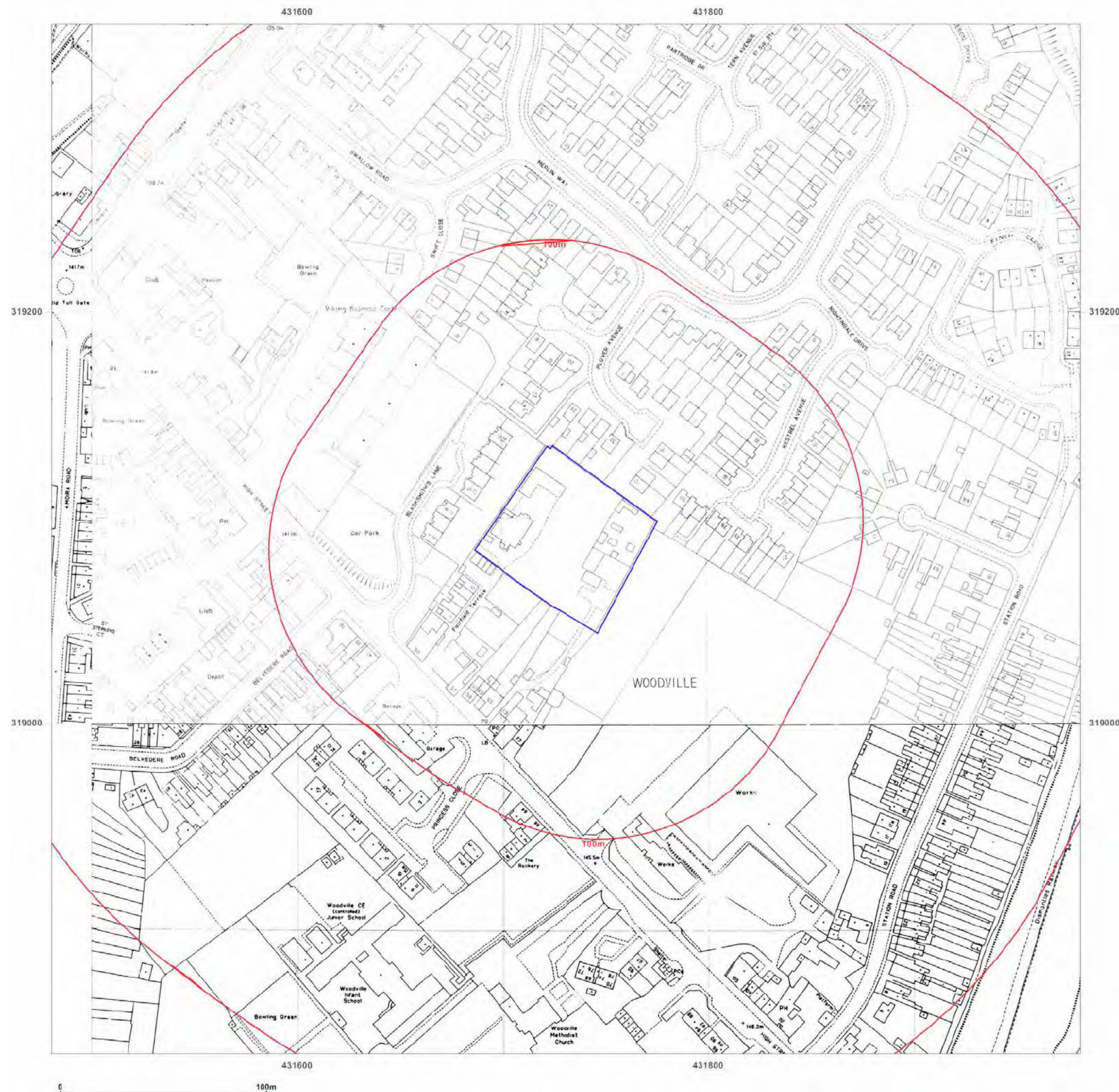


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Site Details:

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WOODVILLE, SWADLINCOTE,
DE11 7EE

Client Ref: KCD-2020-002_30092
Report Ref: GS-7406565
Grid Ref: 431731, 319090

Map Name: National Grid

Map date: 1993

Scale: 1:1,250

Printed at: 1:2,000



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



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Site Details:

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DE11 7EE

Client Ref: KCD-2020-002_30092
Report Ref: GS-7406565
Grid Ref: 431731, 319090

Map Name: LandLine

Map date: 2003

Scale: 1:1,250

Printed at: 1:1,250



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Site Details:

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WOODVILLE, SWADLINCOTE,
DE11 7EE

Client Ref: KCD-2020-002_30092
Report Ref: GS-7406565
Grid Ref: 431731, 319090

Map Name: County Series

Map date: 1882-1885

Scale: 1:10,560

Printed at: 1:10,560



Surveyed 1882
Revised 1882
Edition N/A
Copyright N/A
Levelled N/A

Surveyed 1882
Revised N/A
Edition 1885
Copyright N/A
Levelled N/A

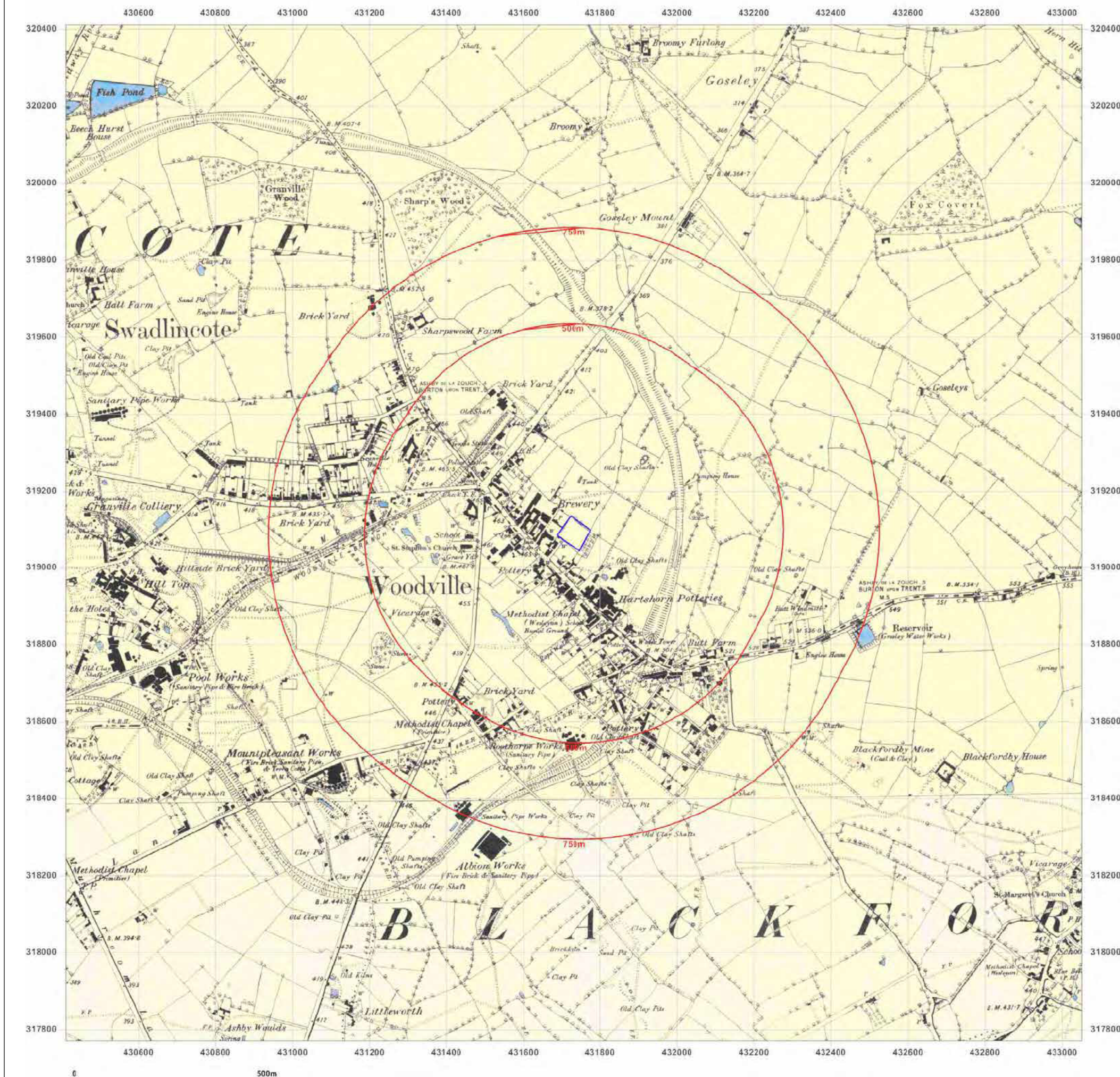


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Site Details:

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WOODVILLE, SWADLINCOTE,
DE11 7EE

Client Ref: KCD-2020-002_30092
Report Ref: GS-7406565
Grid Ref: 431731, 319090

Map Name: County Series

Map date: 1900

Scale: 1:10,560

Printed at: 1:10,560



Surveyed 1881
Revised 1900
Edition N/A
Copyright N/A
Levelled N/A

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

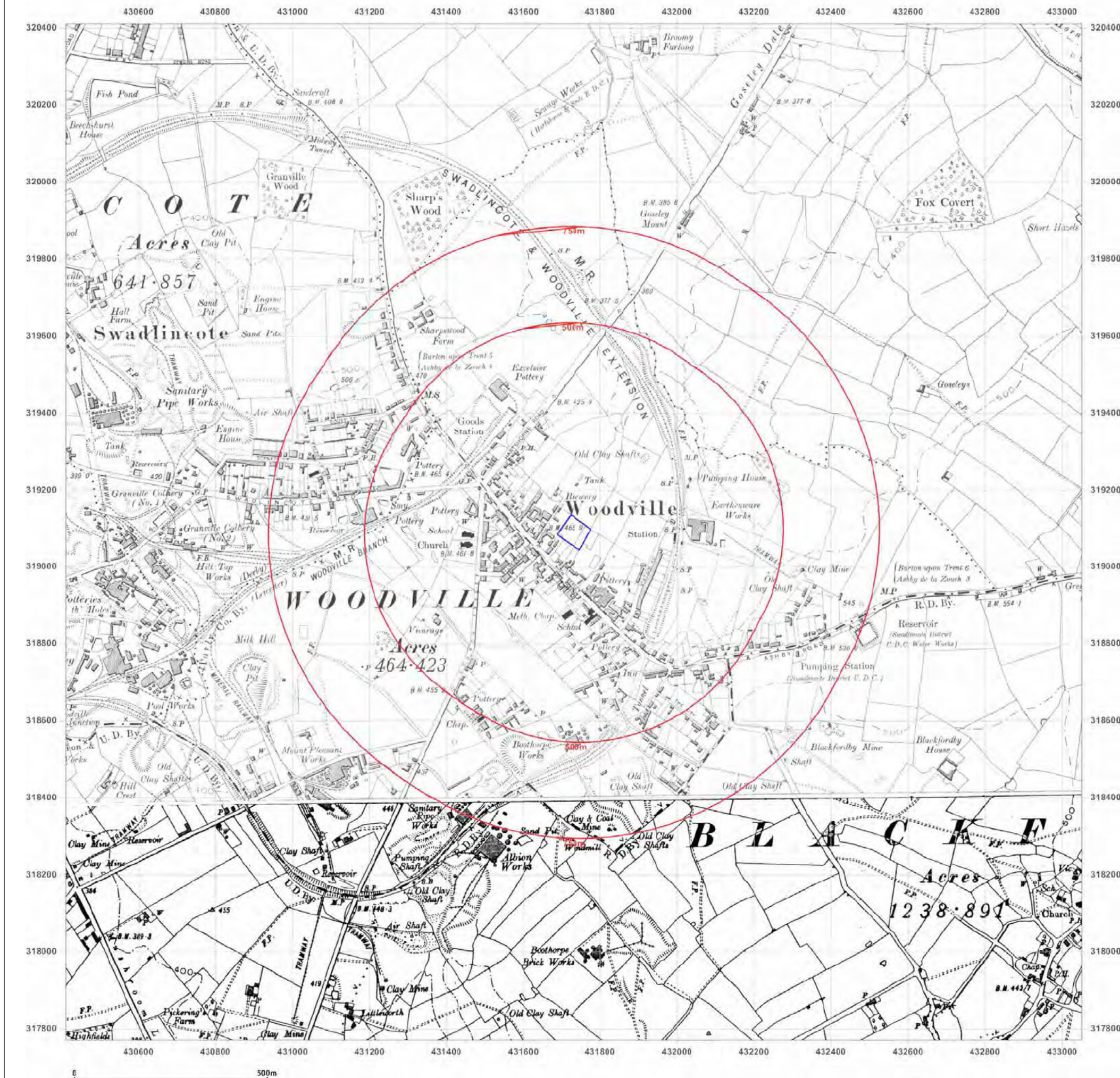


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Site Details:

LAND OFF BRUNT LANE,
WOODVILLE, SWADLINCOTE,
DE11 7EE

Client Ref: KCD-2020-002_30092
Report Ref: GS-7406565
Grid Ref: 431731, 319090

Map Name: County Series

Map date: 1900-1902

Scale: 1:10,560

Printed at: 1:10,560



Surveyed N/A
Revised 1900
Edition 1902
Copyright N/A
Levelled N/A

Surveyed 1882
Revised 1900
Edition N/A
Copyright N/A
Levelled N/A

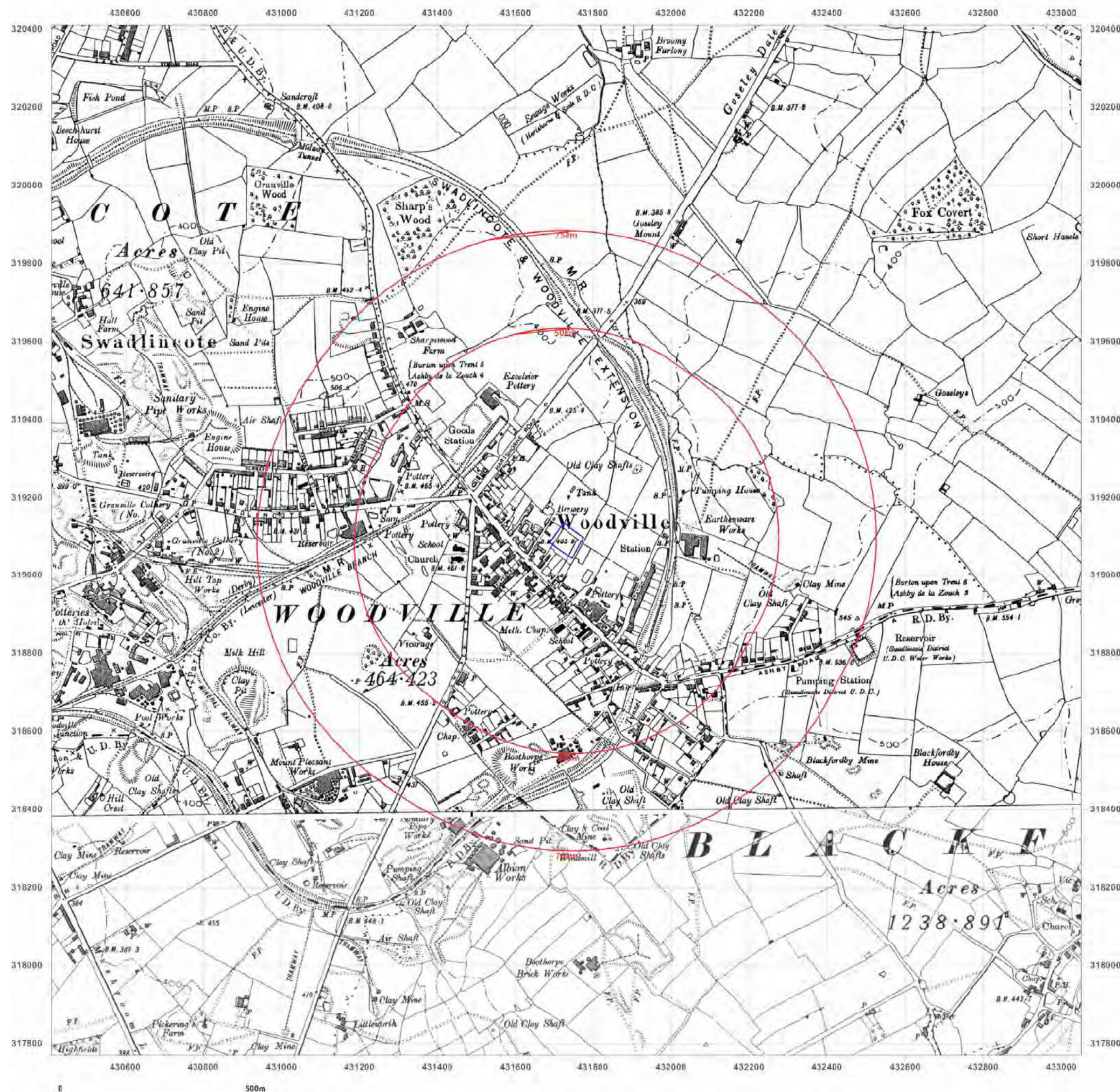


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Site Details:

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WOODVILLE, SWADLINCOTE,
DE11 7EE

Client Ref: KCD-2020-002_30092
Report Ref: GS-7406565
Grid Ref: 431731, 319090

Map Name: County Series

Map date: 1925

Scale: 1:10,560

Printed at: 1:10,560



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

Surveyed 1881
Revised 1925
Edition N/A
Copyright N/A
Levelled N/A

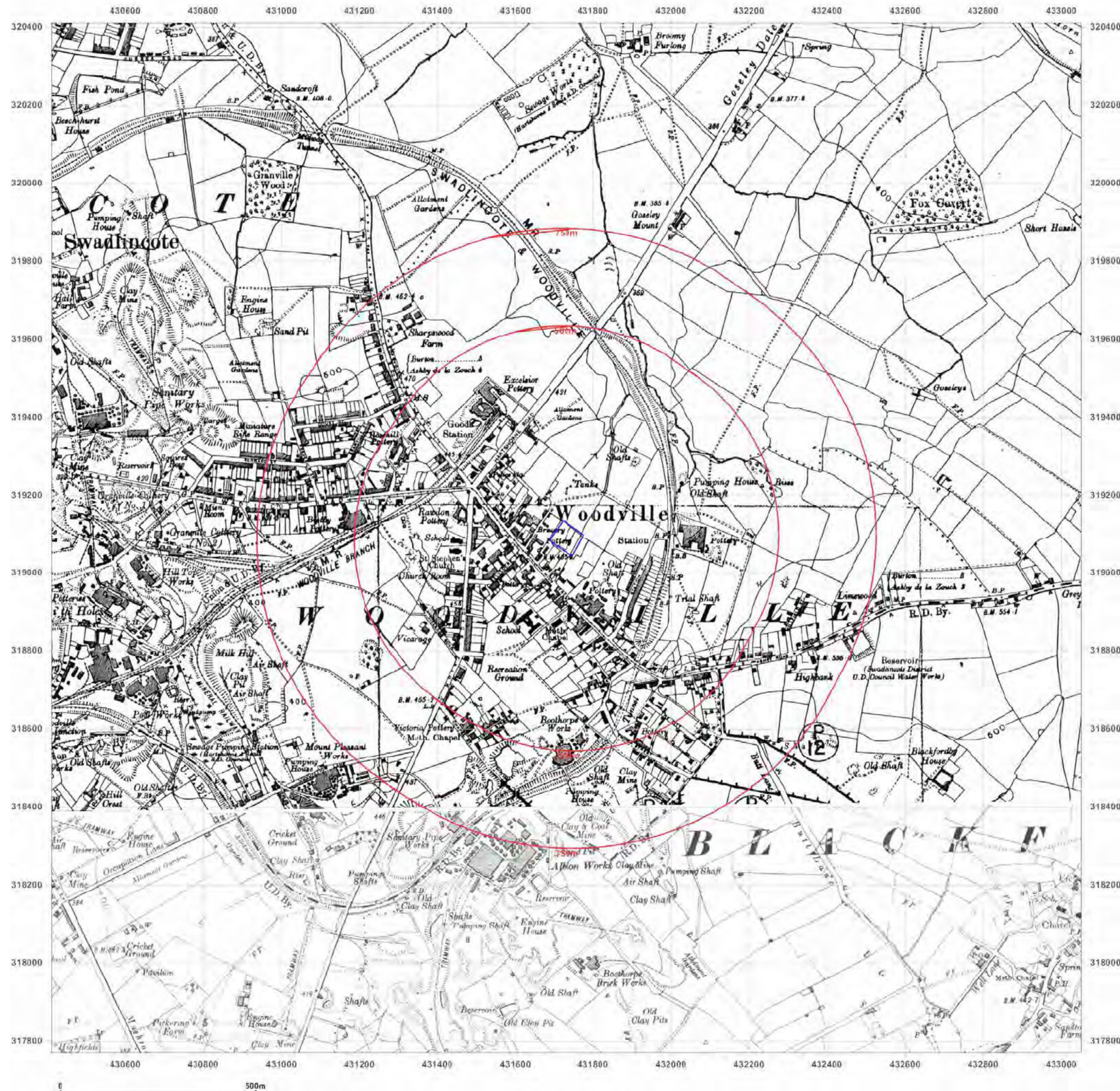


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Site Details:

LAND OFF BRUNT LANE,
WOODVILLE, SWADLINCOTE,
DE11 7EE

Client Ref: KCD-2020-002_30092
Report Ref: GS-7406565
Grid Ref: 431731, 319090

Map Name: County Series

Map date: 1925

Scale: 1:10,560

Printed at: 1:10,560



Surveyed 1881
Revised 1925
Edition 1925
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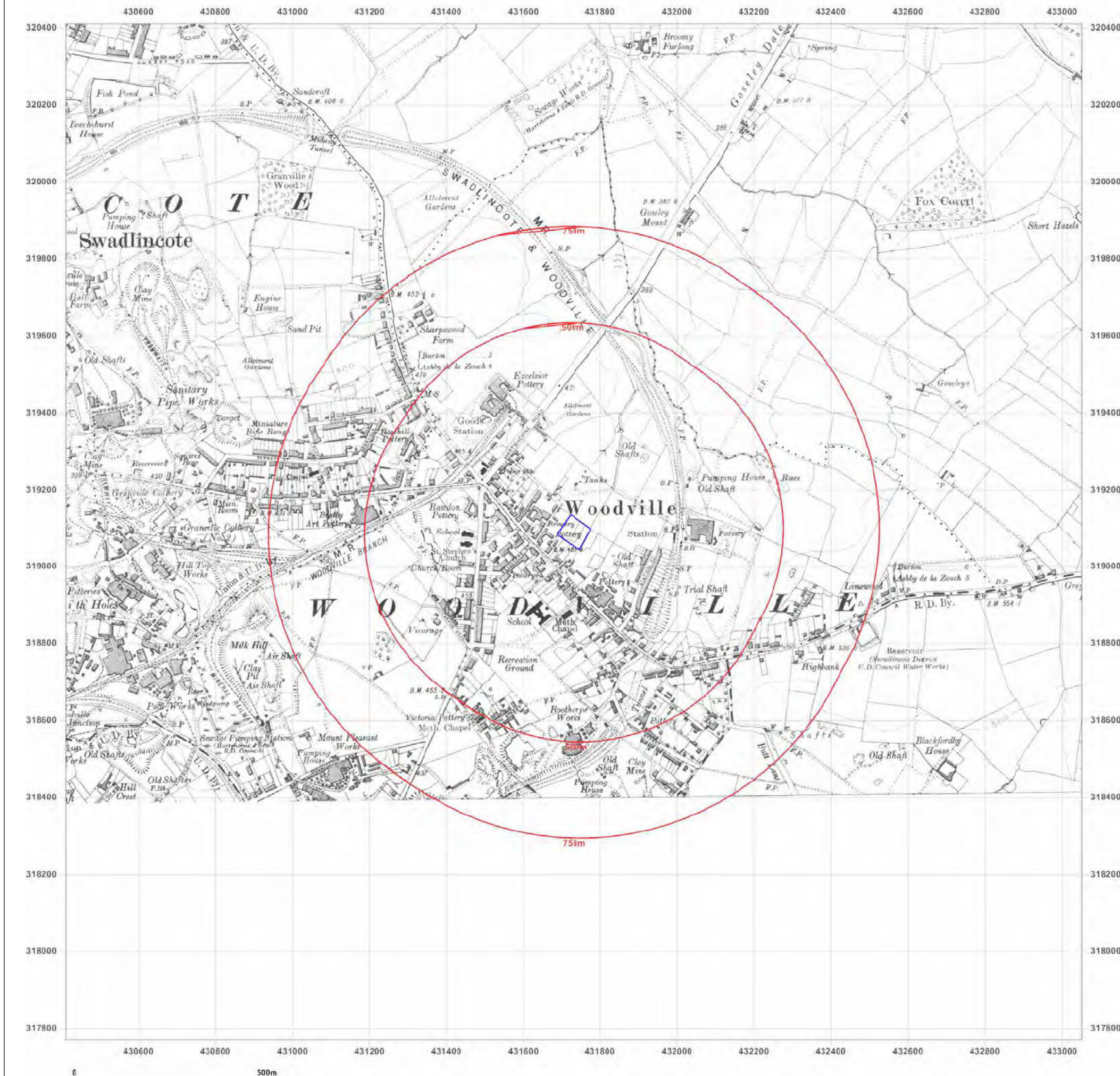


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Site Details:

LAND OFF BRUNT LANE,
WOODVILLE, SWADLINCOTE,
DE11 7EE

Client Ref: KCD-2020-002_30092
Report Ref: GS-7406565
Grid Ref: 431731, 319090

Map Name: County Series

Map date: 1938

Scale: 1:10,560

Printed at: 1:10,560



Surveyed 1881
Revised 1938
Edition N/A
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Levelled N/A

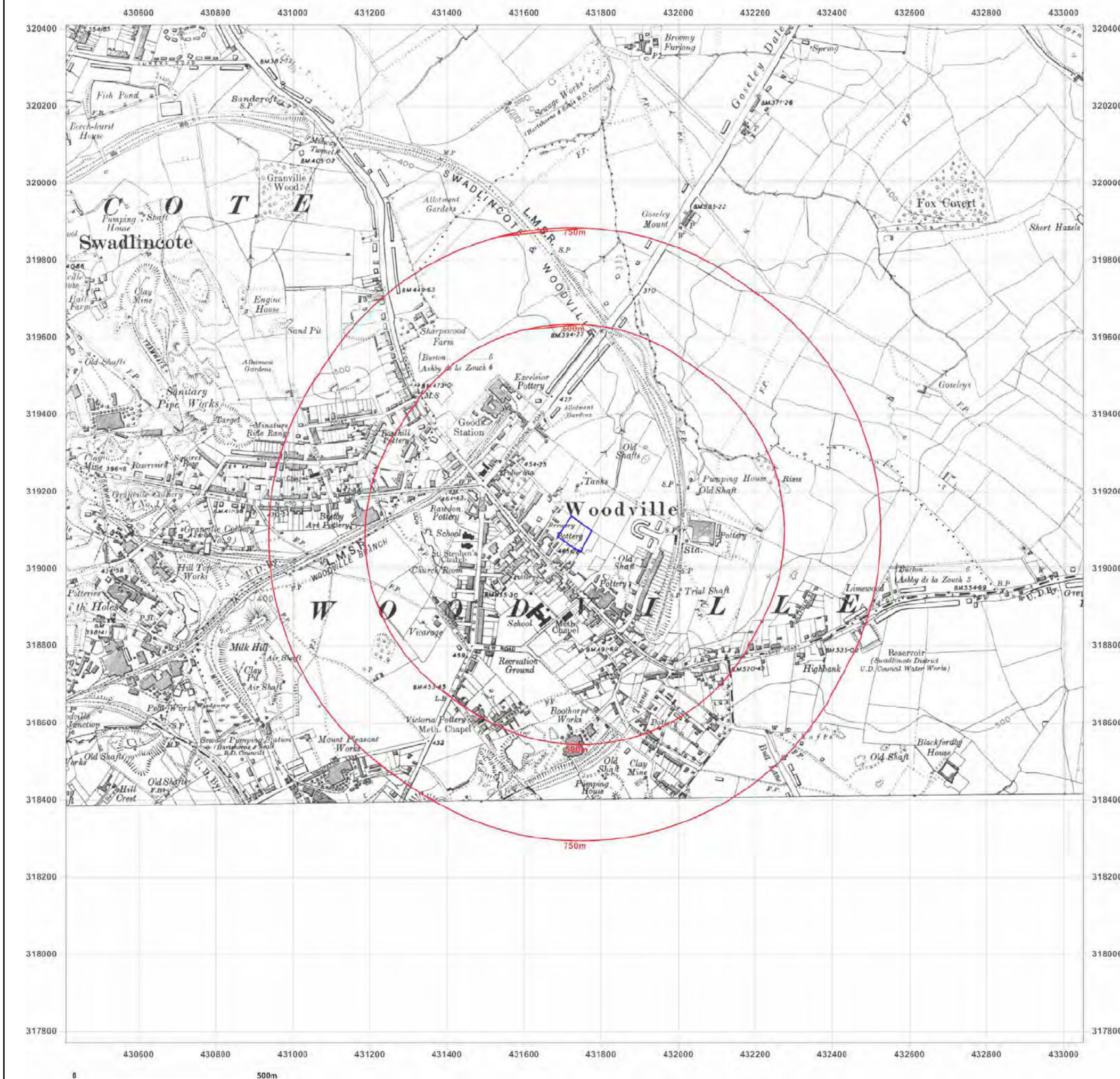


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Site Details:

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DE11 7EE

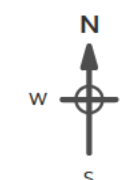
Client Ref: KCD-2020-002_30092
Report Ref: GS-7406565
Grid Ref: 431731, 319090

Map Name: Provisional

Map date: 1950-1955

Scale: 1:10,560

Printed at: 1:10,560



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

Surveyed N/A
Revised 1954
Edition N/A
Copyright 1955
Levelled N/A

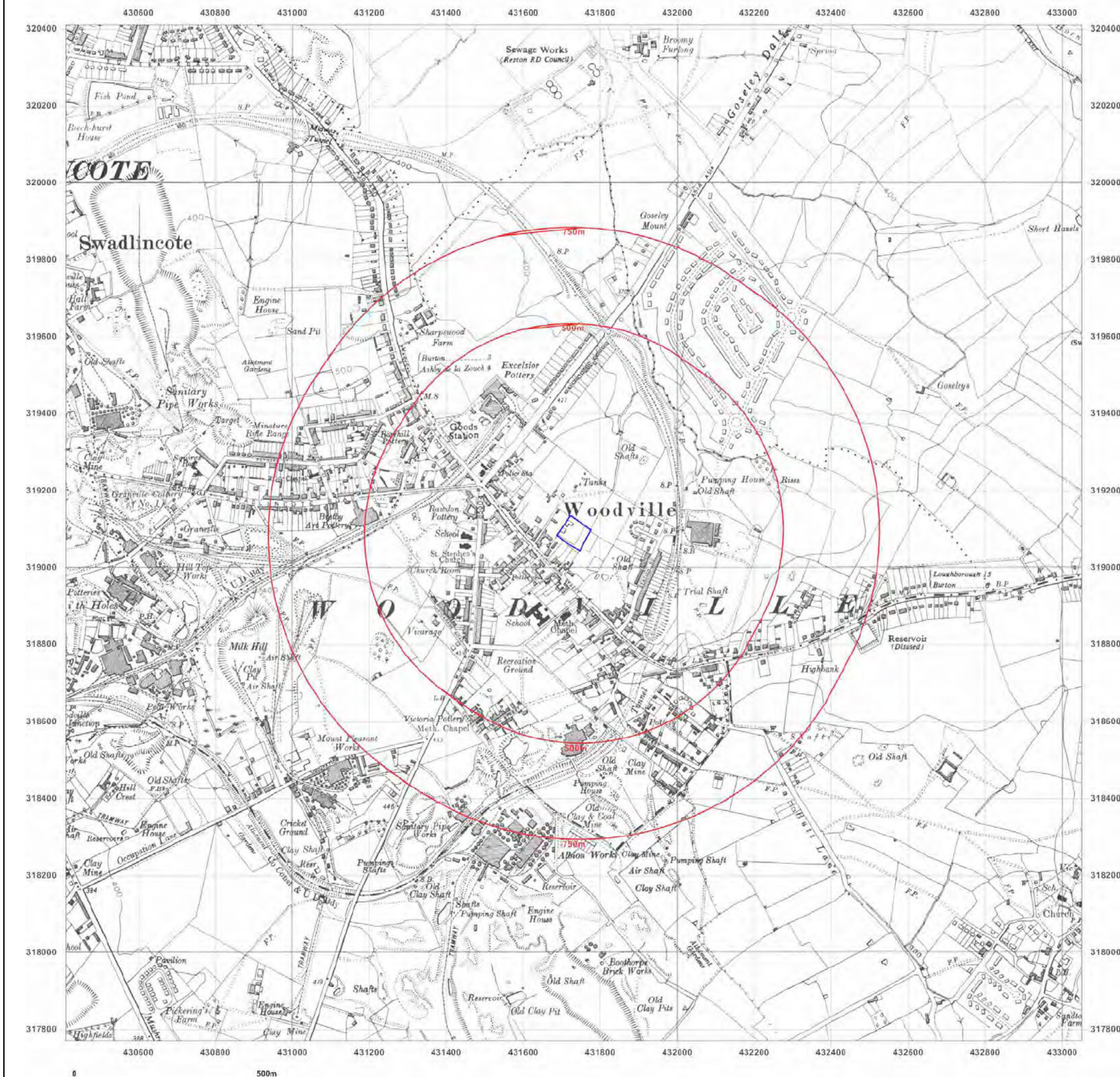


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Site Details:

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DE11 7EE

Client Ref: KCD-2020-002_30092
Report Ref: GS-7406565
Grid Ref: 431731, 319090

Map Name: Provisional

Map date: 1967

Scale: 1:10,560

Printed at: 1:10,560



Surveyed 1967
Revised 1967
Edition N/A
Copyright 1967
Levelled N/A

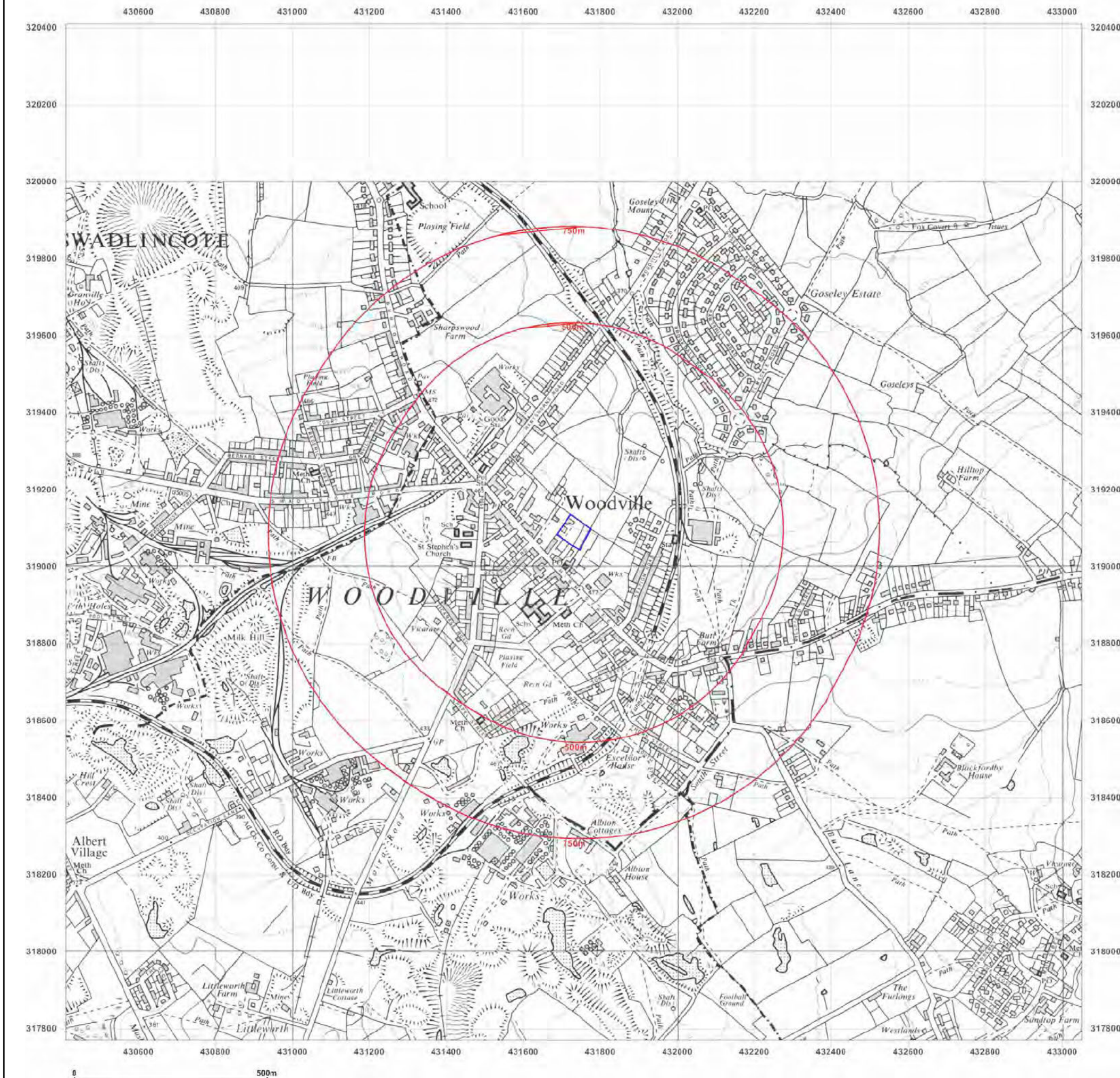


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Site Details:

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DE11 7EE

Client Ref: KCD-2020-002_30092
Report Ref: GS-7406565
Grid Ref: 431731, 319090

Map Name: National Grid

Map date: 1977

Scale: 1:10,000

Printed at: 1:10,000



Surveyed 1974
Revised 1976
Edition N/A
Copyright 1977
Levelled 1965

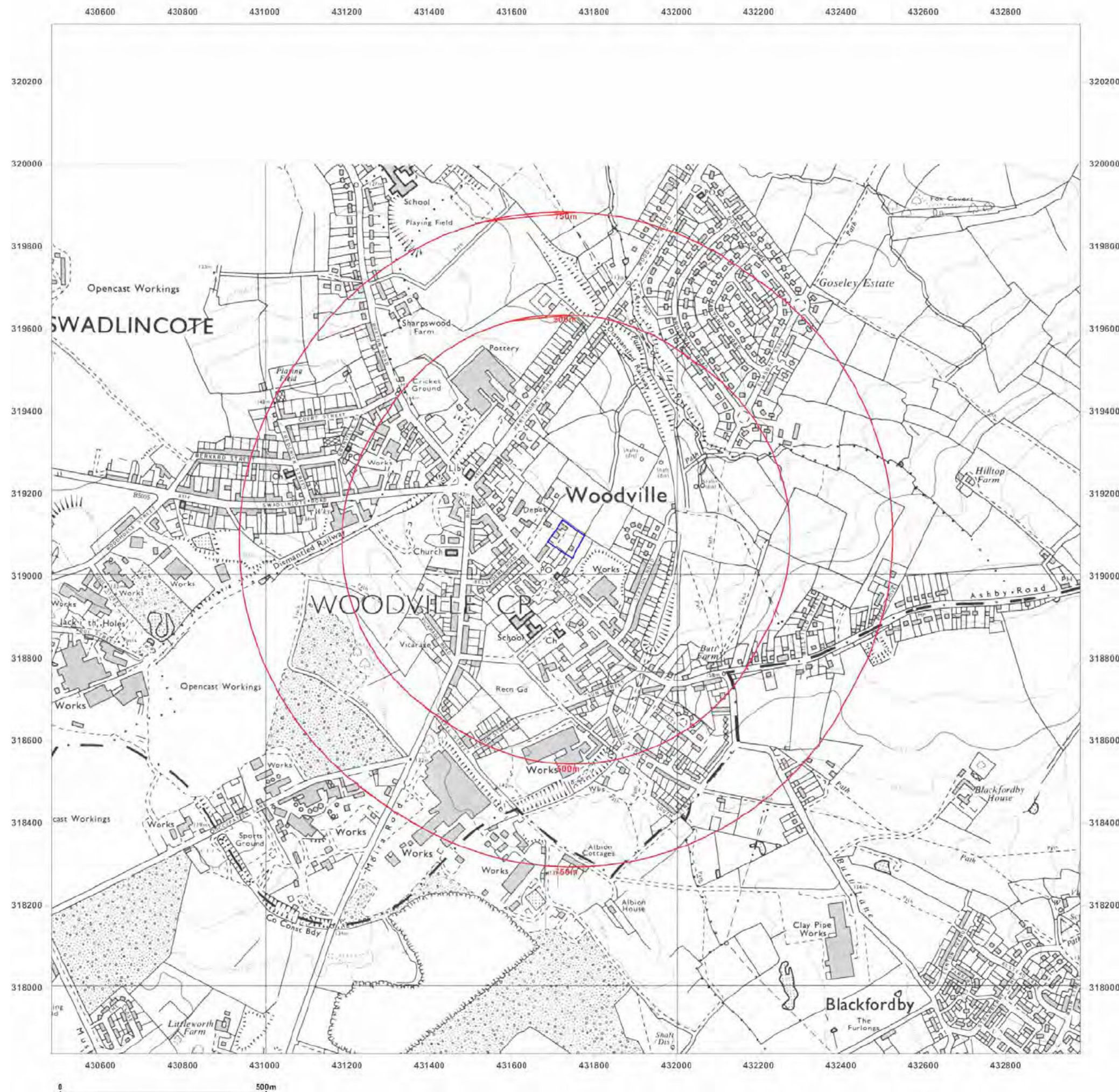


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Site Details:

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DE11 7EE

Client Ref: KCD-2020-002_30092
Report Ref: GS-7406565
Grid Ref: 431731, 319090

Map Name: National Grid

Map date: 2001

Scale: 1:10,000

Printed at: 1:10,000



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Site Details:

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DE11 7EE

Client Ref: KCD-2020-002_30092
Report Ref: GS-7406565
Grid Ref: 431731, 319090

Map Name: National Grid

Map date: 2010

Scale: 1:10,000

Printed at: 1:10,000

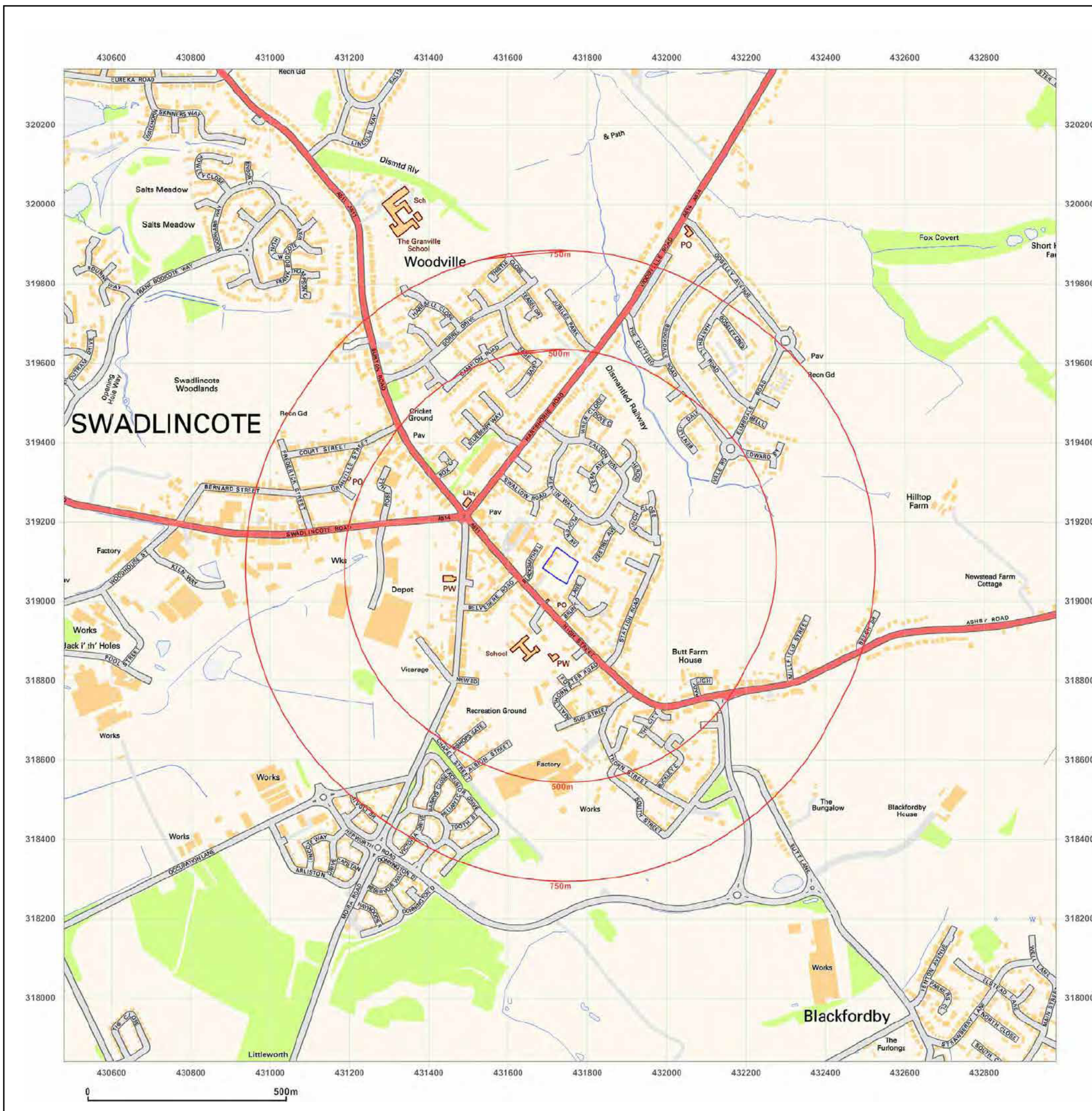


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Site Details:

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DE11 7EE

Client Ref: KCD-2020-002_30092
Report Ref: GS-7406565
Grid Ref: 431731, 319090

Map Name: National Grid

Map date: 2021

Scale: 1:10,000

Printed at: 1:10,000

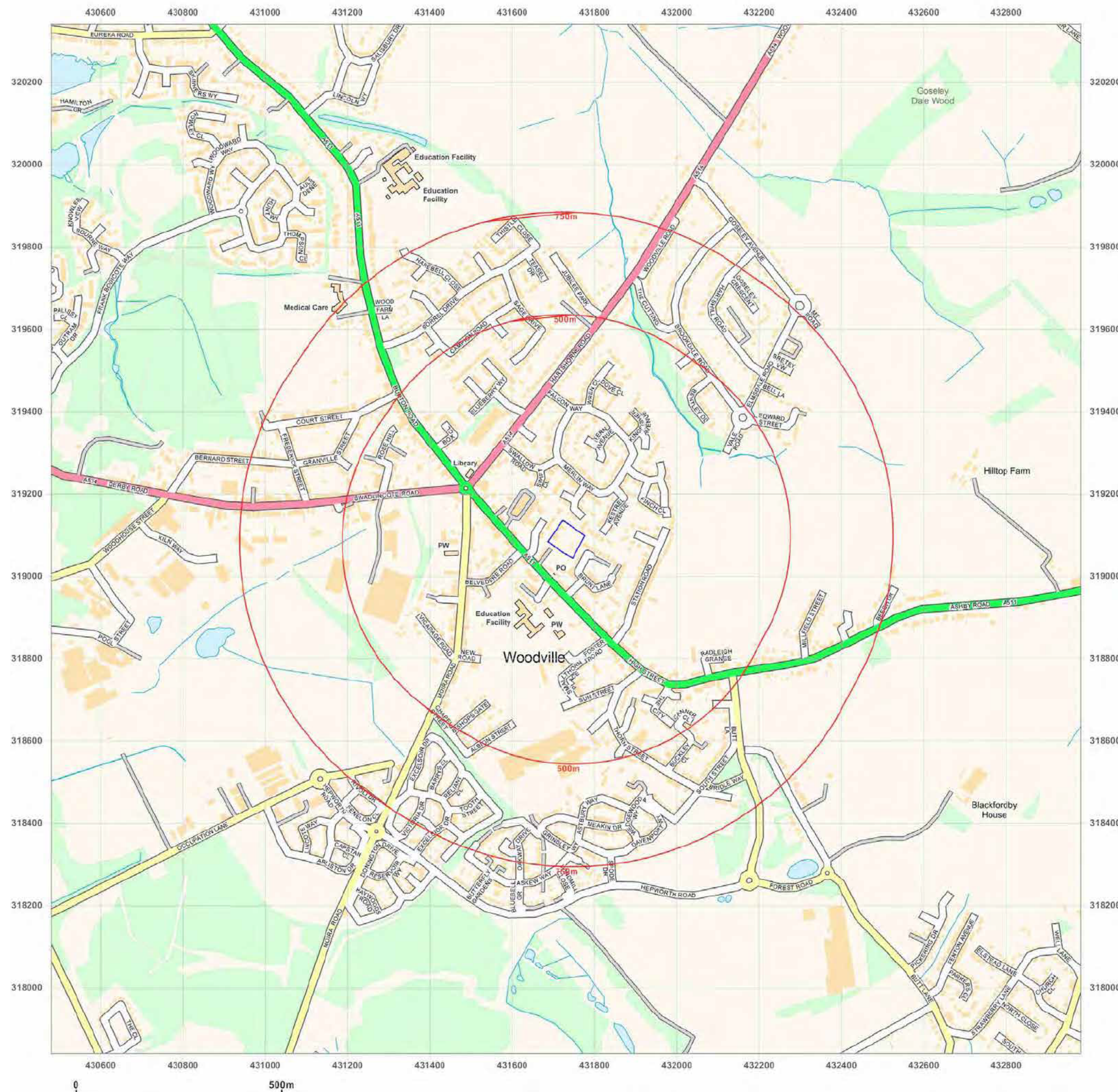


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Production date: 06 January 2021

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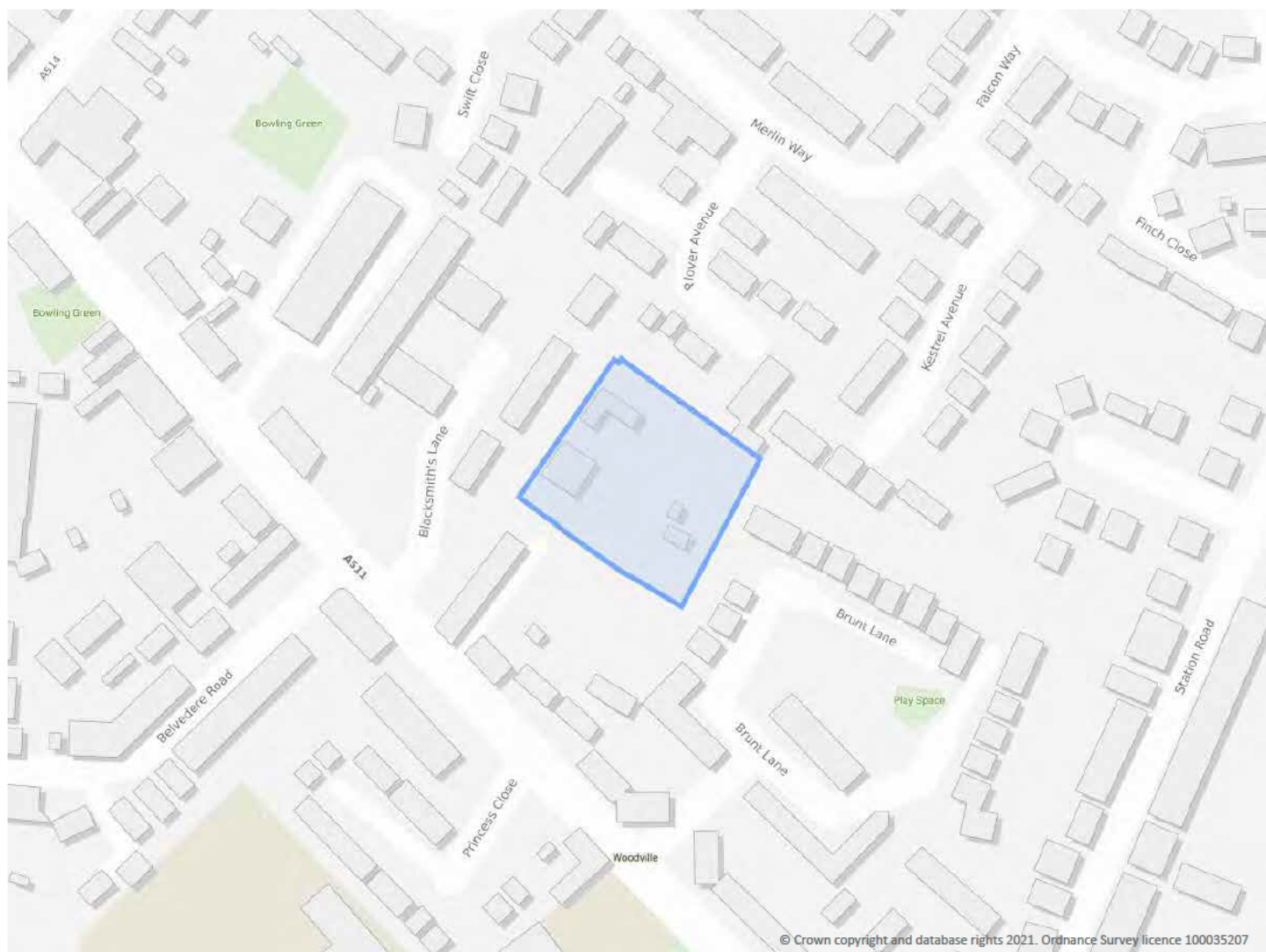
LAND OFF BRUNT LANE, WOODVILLE, SWADLINCOTE, DE11 7EE

Order Details

Date: 06/01/2021
Your ref: KCD-2020-002_30092
Our Ref: GS-7406566
Client: Ground Investigation and Piling Ltd

Site Details

Location: 431729 319089
Area: 0.43 ha
Authority: [South Derbyshire District Council](#)



Summary of findings

p. 2

Aerial image

p. 8

OS MasterMap site plan

p.13

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info@groundsure.com

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Summary of findings

Page	Section	Past land use	On site	0-50m	50-250m	250-500m	500-2000m
14	1.1	Historical industrial land uses	3	8	97	177	-
25	1.2	Historical tanks	1	8	40	40	-
28	1.3	Historical energy features	0	0	1	13	-
29	1.4	Historical petrol stations	0	0	0	0	-
29	1.5	Historical garages	0	0	8	6	-
30	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
31	2.1	Historical industrial land uses	3	9	114	220	-
44	2.2	Historical tanks	3	12	70	55	-
49	2.3	Historical energy features	0	0	3	33	-
51	2.4	Historical petrol stations	0	0	0	0	-
51	2.5	Historical garages	0	0	15	13	-
Page	Section	Waste and landfill	On site	0-50m	50-250m	250-500m	500-2000m
53	3.1	Active or recent landfill	0	0	0	0	-
53	3.2	Historical landfill (BGS records)	0	0	0	0	-
54	3.3	Historical landfill (LA/mapping records)	0	0	1	1	-
54	3.4	Historical landfill (EA/NRW records)	0	0	0	1	-
54	3.5	Historical waste sites	0	0	3	1	-
55	3.6	Licensed waste sites	0	0	3	0	-
56	3.7	Waste exemptions	0	0	4	6	-
Page	Section	Current industrial land use	On site	0-50m	50-250m	250-500m	500-2000m
58	4.1	Recent industrial land uses	0	1	7	-	-
59	4.2	Current or recent petrol stations	0	0	1	2	-
60	4.3	Electricity cables	0	0	0	0	-
60	4.4	Gas pipelines	0	0	0	0	-
60	4.5	Sites determined as Contaminated Land	0	0	0	0	-



60	4.6	Control of Major Accident Hazards (COMAH)	0	0	0	0	-
60	4.7	Regulated explosive sites	0	0	0	0	-
61	4.8	Hazardous substance storage/usage	0	0	0	0	-
61	4.9	Historical licensed industrial activities (IPC)	0	0	0	0	-
61	4.10	Licensed industrial activities (Part A(1))	0	0	0	0	-
61	4.11	<u>Licensed pollutant release (Part A(2)/B)</u>	0	0	0	2	-
62	4.12	Radioactive Substance Authorisations	0	0	0	0	-
62	4.13	<u>Licensed Discharges to controlled waters</u>	0	0	0	2	-
62	4.14	Pollutant release to surface waters (Red List)	0	0	0	0	-
63	4.15	Pollutant release to public sewer	0	0	0	0	-
63	4.16	List 1 Dangerous Substances	0	0	0	0	-
63	4.17	List 2 Dangerous Substances	0	0	0	0	-
63	4.18	<u>Pollution Incidents (EA/NRW)</u>	0	0	6	13	-
65	4.19	Pollution inventory substances	0	0	0	0	-
66	4.20	Pollution inventory waste transfers	0	0	0	0	-
66	4.21	Pollution inventory radioactive waste	0	0	0	0	-
Page	Section	Hydrogeology	On site	0-50m	50-250m	250-500m	500-2000m
67	5.1	Superficial aquifer	None (within 500m)				
68	5.2	<u>Bedrock aquifer</u>	Identified (within 500m)				
70	5.3	<u>Groundwater vulnerability</u>	Identified (within 50m)				
71	5.4	Groundwater vulnerability- soluble rock risk	None (within 0m)				
71	5.5	Groundwater vulnerability- local information	None (within 0m)				
72	5.6	<u>Groundwater abstractions</u>	0	0	0	0	1
73	5.7	<u>Surface water abstractions</u>	0	0	0	0	1
73	5.8	Potable abstractions	0	0	0	0	0
74	5.9	Source Protection Zones	0	0	0	0	-
74	5.10	Source Protection Zones (confined aquifer)	0	0	0	0	-
Page	Section	Hydrology	On site	0-50m	50-250m	250-500m	500-2000m
75	6.1	Water Network (OS MasterMap)	0	0	0	-	-

75	6.2	Surface water features	0	0	0	-	-
76	6.3	<u>WFD Surface water body catchments</u>	1	-	-	-	-
76	6.4	<u>WFD Surface water bodies</u>	0	0	0	-	-
77	6.5	<u>WFD Groundwater bodies</u>	1	-	-	-	-
Page	Section	River and coastal flooding	On site	0-50m	50-250m	250-500m	500-2000m
78	7.1	Risk of Flooding from Rivers and Sea (RoFRaS)	None (within 50m)				
78	7.2	Historical Flood Events	0	0	0	-	-
78	7.3	Flood Defences	0	0	0	-	-
78	7.4	Areas Benefiting from Flood Defences	0	0	0	-	-
79	7.5	Flood Storage Areas	0	0	0	-	-
80	7.6	Flood Zone 2	None (within 50m)				
80	7.7	Flood Zone 3	None (within 50m)				
Page	Section	Surface water flooding					
81	8.1	Surface water flooding	Negligible (within 50m)				
Page	Section	Groundwater flooding					
82	9.1	<u>Groundwater flooding</u>	Negligible (within 50m)				
Page	Section	Environmental designations	On site	0-50m	50-250m	250-500m	500-2000m
83	10.1	Sites of Special Scientific Interest (SSSI)	0	0	0	0	0
84	10.2	Conserved wetland sites (Ramsar sites)	0	0	0	0	0
84	10.3	Special Areas of Conservation (SAC)	0	0	0	0	0
84	10.4	Special Protection Areas (SPA)	0	0	0	0	0
84	10.5	National Nature Reserves (NNR)	0	0	0	0	0
85	10.6	Local Nature Reserves (LNR)	0	0	0	0	0
85	10.7	<u>Designated Ancient Woodland</u>	0	0	0	0	1
85	10.8	Biosphere Reserves	0	0	0	0	0
85	10.9	Forest Parks	0	0	0	0	0
86	10.10	Marine Conservation Zones	0	0	0	0	0
86	10.11	Green Belt	0	0	0	0	0
86	10.12	Proposed Ramsar sites	0	0	0	0	0



86	10.13	Possible Special Areas of Conservation (pSAC)	0	0	0	0	0
86	10.14	Potential Special Protection Areas (pSPA)	0	0	0	0	0
87	10.15	Nitrate Sensitive Areas	0	0	0	0	0
87	<u>10.16</u>	<u>Nitrate Vulnerable Zones</u>	1	0	1	0	0
88	<u>10.17</u>	<u>SSSI Impact Risk Zones</u>	2	-	-	-	-
89	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
90	11.1	World Heritage Sites	0	0	0	-	-
91	11.2	Area of Outstanding Natural Beauty	0	0	0	-	-
91	11.3	National Parks	0	0	0	-	-
91	<u>11.4</u>	<u>Listed Buildings</u>	0	0	3	-	-
92	11.5	Conservation Areas	0	0	0	-	-
92	11.6	Scheduled Ancient Monuments	0	0	0	-	-
92	11.7	Registered Parks and Gardens	0	0	0	-	-
Page	Section	Agricultural designations	On site	0-50m	50-250m	250-500m	500-2000m
93	<u>12.1</u>	<u>Agricultural Land Classification</u>	Urban (within 250m)				
94	12.2	Open Access Land	0	0	0	-	-
94	12.3	Tree Felling Licences	0	0	0	-	-
94	12.4	Environmental Stewardship Schemes	0	0	0	-	-
94	12.5	Countryside Stewardship Schemes	0	0	0	-	-
Page	Section	Habitat designations	On site	0-50m	50-250m	250-500m	500-2000m
95	<u>13.1</u>	<u>Priority Habitat Inventory</u>	0	0	3	-	-
96	13.2	Habitat Networks	0	0	0	-	-
96	13.3	Open Mosaic Habitat	0	0	0	-	-
96	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
97	<u>14.1</u>	<u>10k Availability</u>	Identified (within 500m)				
98	<u>14.2</u>	<u>Artificial and made ground (10k)</u>	0	1	4	11	-
100	14.3	Superficial geology (10k)	0	0	0	0	-



100	14.4	Landslip (10k)	0	0	0	0	-
<u>101</u>	<u>14.5</u>	<u>Bedrock geology (10k)</u>	1	0	1	17	-
<u>102</u>	<u>14.6</u>	<u>Bedrock faults and other linear features (10k)</u>	1	0	7	16	-
Page	Section	Geology 1:50,000 scale	On site	0-50m	50-250m	250-500m	500-2000m
<u>104</u>	<u>15.1</u>	<u>50k Availability</u>	Identified (within 500m)				
<u>105</u>	<u>15.2</u>	<u>Artificial and made ground (50k)</u>	0	1	2	4	-
<u>106</u>	<u>15.3</u>	<u>Artificial ground permeability (50k)</u>	0	1	-	-	-
107	15.4	Superficial geology (50k)	0	0	0	0	-
107	15.5	Superficial permeability (50k)	None (within 50m)				
107	15.6	Landslip (50k)	0	0	0	0	-
107	15.7	Landslip permeability (50k)	None (within 50m)				
<u>108</u>	<u>15.8</u>	<u>Bedrock geology (50k)</u>	1	0	1	12	-
<u>109</u>	<u>15.9</u>	<u>Bedrock permeability (50k)</u>	Identified (within 50m)				
<u>109</u>	<u>15.10</u>	<u>Bedrock faults and other linear features (50k)</u>	1	0	7	8	-
Page	Section	Boreholes	On site	0-50m	50-250m	250-500m	500-2000m
<u>111</u>	<u>16.1</u>	<u>BGS Boreholes</u>	0	1	22	-	-
Page	Section	Natural ground subsidence					
<u>113</u>	<u>17.1</u>	<u>Shrink swell clays</u>	Very low (within 50m)				
<u>114</u>	<u>17.2</u>	<u>Running sands</u>	Very low (within 50m)				
<u>116</u>	<u>17.3</u>	<u>Compressible deposits</u>	Very low (within 50m)				
<u>118</u>	<u>17.4</u>	<u>Collapsible deposits</u>	Very low (within 50m)				
<u>119</u>	<u>17.5</u>	<u>Landslides</u>	Very low (within 50m)				
<u>120</u>	<u>17.6</u>	<u>Ground dissolution of soluble rocks</u>	Negligible (within 50m)				
Page	Section	Mining, ground workings and natural cavities	On site	0-50m	50-250m	250-500m	500-2000m
122	18.1	Natural cavities	0	0	0	0	-
<u>123</u>	<u>18.2</u>	<u>BritPits</u>	0	0	2	4	-
<u>124</u>	<u>18.3</u>	<u>Surface ground workings</u>	0	1	27	-	-
<u>125</u>	<u>18.4</u>	<u>Underground workings</u>	0	0	11	25	75
<u>129</u>	<u>18.5</u>	<u>Historical Mineral Planning Areas</u>	0	0	1	6	-



<u>130</u>	<u>18.6</u>	<u>Non-coal mining</u>	1	0	0	0	1
<u>131</u>	<u>18.7</u>	<u>Mining cavities</u>	0	0	0	0	1
<u>131</u>	<u>18.8</u>	<u>JPB mining areas</u>	Identified (within 0m)				
<u>131</u>	<u>18.9</u>	<u>Coal mining</u>	Identified (within 0m)				
132	18.10	Brine areas	None (within 0m)				
132	18.11	Gypsum areas	None (within 0m)				
132	18.12	Tin mining	None (within 0m)				
132	18.13	Clay mining	None (within 0m)				
Page	Section	Radon					
<u>133</u>	<u>19.1</u>	<u>Radon</u>	Less than 1% (within 0m)				
Page	Section	Soil chemistry	On site	0-50m	50-250m	250-500m	500-2000m
<u>134</u>	<u>20.1</u>	<u>BGS Estimated Background Soil Chemistry</u>	1	1	-	-	-
134	20.2	BGS Estimated Urban Soil Chemistry	0	0	-	-	-
134	20.3	BGS Measured Urban Soil Chemistry	0	0	-	-	-
Page	Section	Railway infrastructure and projects	On site	0-50m	50-250m	250-500m	500-2000m
135	21.1	Underground railways (London)	0	0	0	-	-
135	21.2	Underground railways (Non-London)	0	0	0	-	-
136	21.3	Railway tunnels	0	0	0	-	-
<u>136</u>	<u>21.4</u>	<u>Historical railway and tunnel features</u>	0	1	14	-	-
137	21.5	Royal Mail tunnels	0	0	0	-	-
<u>137</u>	<u>21.6</u>	<u>Historical railways</u>	0	0	1	-	-
137	21.7	Railways	0	0	0	-	-
137	21.8	Crossrail 1	0	0	0	0	-
138	21.9	Crossrail 2	0	0	0	0	-
138	21.10	HS2	0	0	0	0	-

Recent aerial photograph



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Capture Date: 20/04/2019

Site Area: 0.43ha



Recent site history - 2018 aerial photograph



Capture Date: 01/07/2018

Site Area: 0.43ha



Recent site history - 2015 aerial photograph



Capture Date: 12/08/2015

Site Area: 0.43ha



Recent site history - 2010 aerial photograph



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Capture Date: 25/10/2010

Site Area: 0.43ha



Recent site history - 1999 aerial photograph



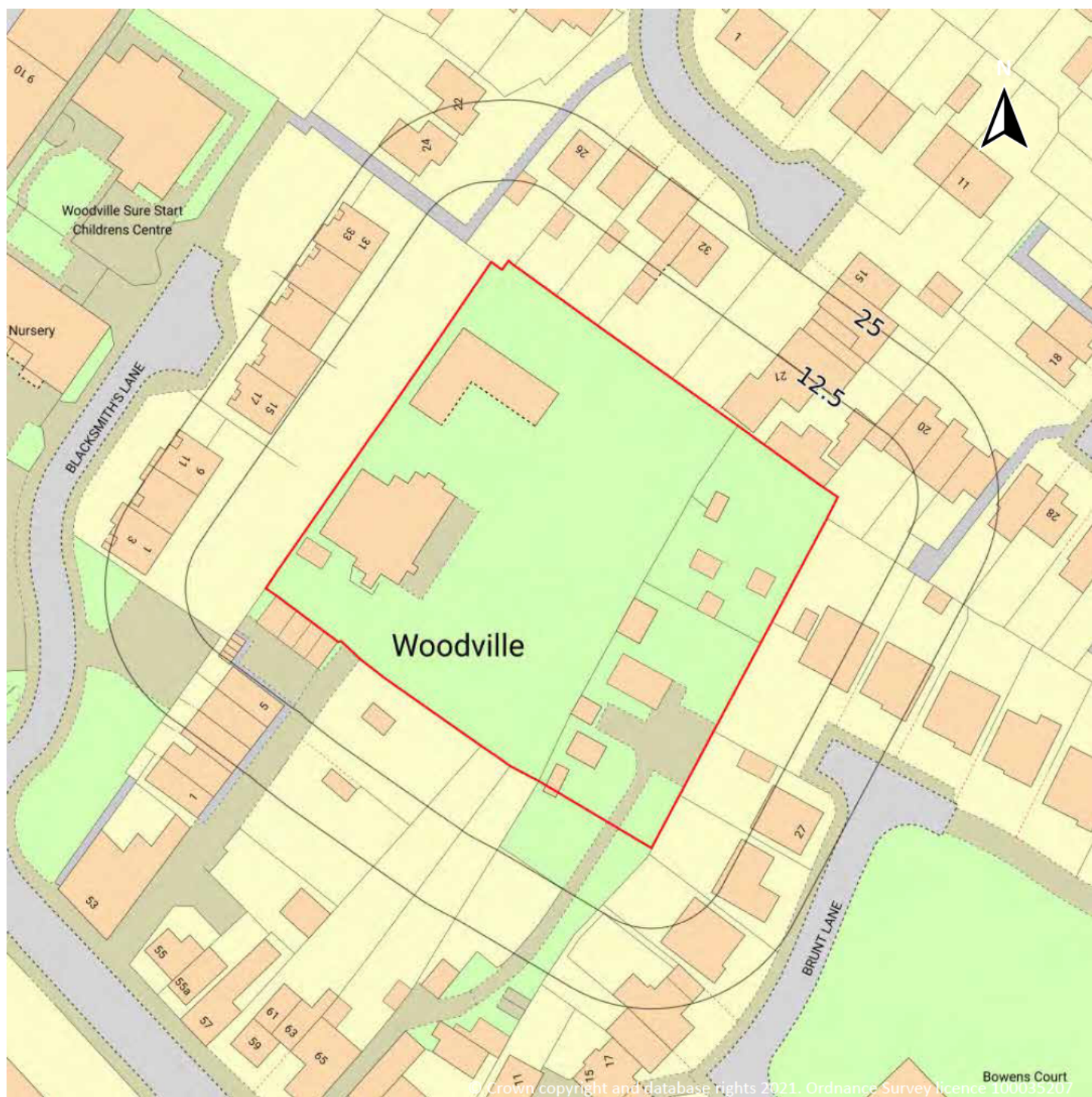
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Capture Date: 17/11/1999

Site Area: 0.43ha



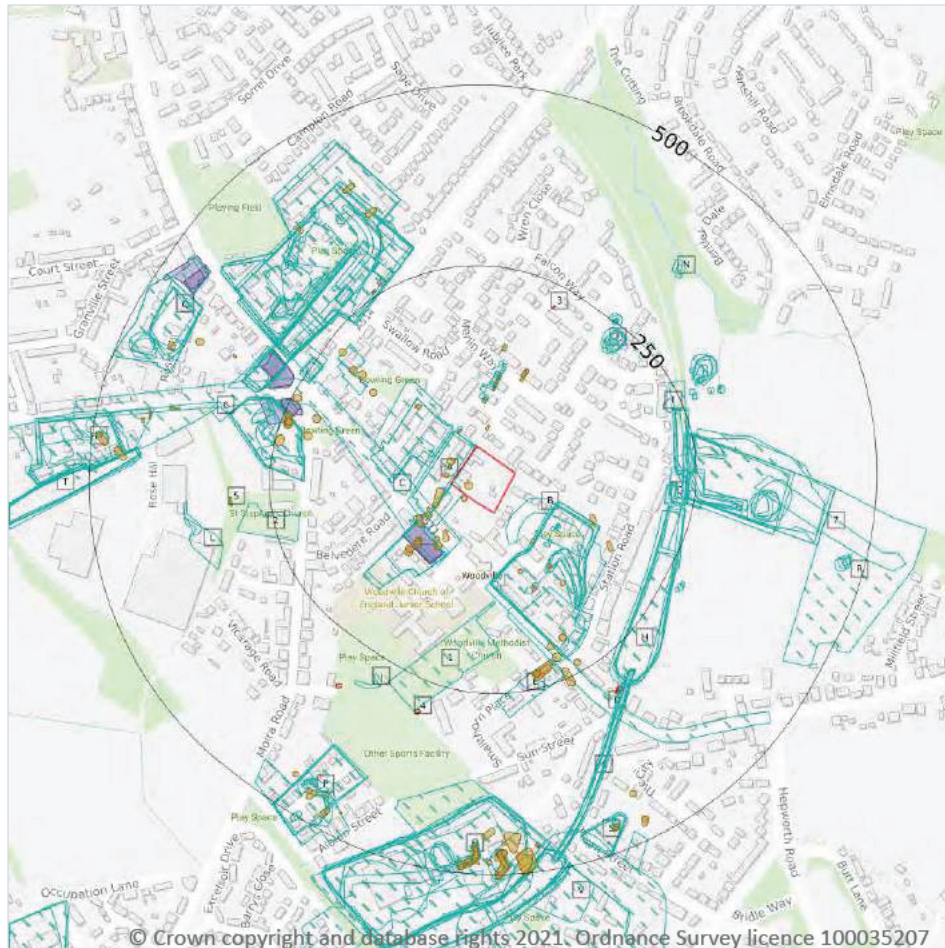
OS MasterMap site plan



Site Area: 0.43ha



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

285

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

Features are displayed on the Past land use map on **page 14**

ID	Location	Land use	Dates present	Group ID
A	On site	Brewery	1925	1589851



ID	Location	Land use	Dates present	Group ID
A	On site	Pottery	1925	1644448
A	On site	Pottery	1938	1704471
A	3m NW	Pottery	1884	1700814
B	23m SE	Unspecified Heap	1975	1568134
A	31m NW	Unspecified Tanks	1925	1580125
A	38m NW	Brewery	1882 - 1900	1630064
A	38m NW	Brewery	1938	1685177
C	40m SW	Railway Sidings	1938 - 1950	1653423
A	42m NW	Unspecified Depot	1975	1583299
A	45m NW	Brewery	1884	1622285
A	60m N	Unspecified Tanks	1950	1697426
B	64m SE	Pottery	1884	1630563
A	65m N	Unspecified Tanks	1925	1627373
B	65m SE	Pottery	1925 - 1938	1736091
A	65m N	Unspecified Tanks	1884	1643283
A	66m SW	Pottery	1925 - 1938	1647794
B	66m SE	Unspecified Works	1967 - 1975	1680284
B	67m SE	Potteries	1882	1612136
B	68m SE	Pottery	1900	1629641
A	71m SW	Pottery	1950	1622528
A	71m SW	Pottery	1882 - 1884	1703697
B	79m SE	Old Shaft	1884	1590077
B	80m SE	Old Clay Shafts	1882	1586999
A	81m N	Unspecified Tanks	1950	1661162
B	84m SE	Unspecified Old Shaft	1925	1735629
B	84m SE	Unspecified Old Shaft	1950	1644199
B	84m SE	Old Clay Shafts	1882	1587000
B	85m SE	Unspecified Tank	1900	1592230



ID	Location	Land use	Dates present	Group ID
B	85m SE	Unspecified Old Shaft	1938	1743829
A	86m N	Unspecified Tanks	1925	1622918
A	87m N	Unspecified Tanks	1938	1742690
A	87m N	Unspecified Tank	1882 - 1900	1750012
A	98m N	Unspecified Tanks	1950	1615086
B	99m SE	Refuse Heap	1884	1636859
B	99m SE	Refuse Heap	1925	1635915
B	100m SE	Refuse Heap	1950	1684418
A	103m N	Unspecified Tanks	1884	1736303
B	103m SE	Refuse Heap	1938	1676624
A	110m N	Unspecified Tanks	1950	1741022
B	112m SE	Unspecified Tank	1925	1592229
B	113m SE	Unspecified Tank	1884	1592231
A	117m N	Unspecified Tanks	1884	1580135
1	122m S	Burial Ground	1882	1577264
B	123m SE	Unspecified Tanks	1882	1580127
D	132m S	Railway Sidings	1938 - 1950	1683186
C	172m NW	Police Station	1938	1722756
C	193m NW	Police Station	1884	1631328
C	203m W	Pottery	1938	1640192
C	203m W	Pottery	1900	1682143
C	206m W	Pottery	1925	1671389
C	206m W	Pottery	1950	1625362
F	208m NE	Unspecified Heap	1950	1614684
G	210m E	Railway Station	1884	1743779
H	210m E	Cuttings	1884	1618345
G	210m E	Railway Station	1967	1746467
F	211m NE	Refuse Heap	1938	1624591



ID	Location	Land use	Dates present	Group ID
F	211m NE	Refuse Heap	1900	1649589
F	211m NE	Unspecified Heap	1882	1727779
C	212m W	Pottery	1884	1633103
F	212m NE	Unspecified Heap	1884	1698894
2	213m W	Grave Yard	1882	1582710
G	214m E	Railway Buildings	1950	1601618
F	215m NE	Unspecified Heap	1925	1672284
G	216m E	Railway Station	1925	1631307
H	217m E	Cuttings	1925	1697481
H	217m E	Cuttings	1938	1673348
H	217m E	Cuttings	1950	1617069
E	218m S	Pottery	1882 - 1900	1736767
G	218m E	Railway Station	1900	1693997
G	218m E	Railway Station	1938	1704348
G	220m E	Railway Sidings	1967	1651446
G	220m E	Cuttings	1882	1701785
G	221m E	Railway Sidings	1950	1676940
G	222m E	Railway Sidings	1925	1686686
F	223m NE	Unspecified Old Shafts	1950	1642424
F	223m NE	Unspecified Disused Shafts	1967 - 1975	1711172
H	224m SE	Cuttings	1967 - 1975	1639154
I	224m NE	Unspecified Heap	1882	1568173
G	224m E	Railway Sidings	1900	1741597
G	224m E	Railway Sidings	1938	1747913
G	225m E	Railway Sidings	1884	1672311
F	226m NE	Old Shaft	1884	1590075
F	226m NE	Unspecified Old Shafts	1925	1616450
H	228m SE	Cuttings	1882 - 1900	1657555



ID	Location	Land use	Dates present	Group ID
G	232m E	Pottery	1884	1699630
G	233m E	Unspecified Commercial/Industrial	1950	1708266
F	235m NE	Old Clay Shafts	1882	1587003
G	236m E	Railway Building	1925	1584241
C	236m NW	Brick Yard	1882	1602041
C	236m NW	Police Station	1882	1698782
G	238m E	Pottery	1925	1657955
C	238m NW	Police Station	1967	1683597
C	238m NW	Pottery	1950	1624773
C	238m NW	Railway Sidings	1950	1718437
C	239m NW	Police Station	1950	1670495
G	239m E	Earthenware Works	1900	1603515
G	239m E	Pottery	1938	1678109
C	239m NW	Police Station	1925	1681128
G	241m E	Unspecified Commercial/Industrial	1967	1653442
C	241m NW	Unspecified Works	1967	1598156
C	241m NW	Railway Sidings	1967	1700692
E	242m S	Unspecified Tank	1882 - 1900	1723379
C	245m W	Refuse Heap	1882	1712800
C	246m NW	Goods Station	1884	1719189
F	247m NE	Unspecified Old Shafts	1950	1703348
F	248m NE	Unspecified Heap	1882	1568172
F	249m NE	Unspecified Disused Shafts	1967 - 1975	1648410
F	250m NE	Unspecified Disused Shafts	1967	1605883
F	250m NE	Unspecified Old Shafts	1925	1661840
F	250m NE	Unspecified Old Shafts	1925	1745860
G	250m E	Refuse Heap	1938 - 1950	1629552
G	251m E	Refuse Heap	1900	1713104



ID	Location	Land use	Dates present	Group ID
F	252m NE	Unspecified Disused Shaft	1975	1578591
G	252m E	Refuse Heap	1925	1680216
F	253m NE	Old Clay Shafts	1882	1587004
F	253m NE	Old Clay Shafts	1938	1657958
F	253m NE	Old Clay Shafts	1900	1662922
C	260m W	Refuse Heap	1925	1636830
C	260m NW	Pottery	1925 - 1938	1671260
C	262m W	Refuse Heap	1900	1711630
I	264m NE	Pumping House	1884	1690522
C	265m NW	Cuttings	1882 - 1884	1646970
C	266m NW	Pottery	1900	1623864
I	266m NE	Pumping House	1950	1625149
C	267m NW	Railway Building	1925	1584243
C	267m NW	Cuttings	1967	1721129
C	267m NW	Railway Sidings	1925 - 1938	1708272
C	267m NW	Railway Sidings	1882 - 1900	1705164
C	268m NW	Goods Station	1882 - 1900	1645836
C	268m NW	Goods Station	1938	1673784
C	268m W	Refuse Heap	1938	1718988
C	269m NW	Goods Station	1925	1743242
C	270m NW	Cuttings	1975	1646688
C	270m NW	Cuttings	1938	1643727
H	270m SE	Trial Shaft	1884	1690474
C	271m NW	Goods Station	1967	1744189
H	271m SE	Trial Shaft	1950	1627280
C	271m NW	Cuttings	1925	1621585
C	272m NW	Cuttings	1950	1723494
H	273m SE	Trial Shaft	1925 - 1938	1668439



ID	Location	Land use	Dates present	Group ID
J	274m SW	Unspecified Pit	1900	1611218
I	276m NE	Pumping House	1882	1635876
I	277m NE	Refuse Heap	1950	1739811
I	279m NE	Refuse Heap	1884	1741738
I	279m NE	Old Shaft	1884	1590076
C	280m NW	Railway Building	1925	1584245
C	280m NW	Cuttings	1900	1614464
C	280m NW	Cuttings	1882 - 1884	1640935
C	280m NW	Cuttings	1938	1720756
I	281m NE	Refuse Heap	1925	1615473
I	282m NE	Pumping House	1925	1721818
C	283m N	Unspecified Pit	1882	1611226
C	283m NW	Railway Sidings	1884	1719169
I	284m NE	Pumping House	1900	1666831
I	284m NE	Pumping House	1938	1674068
I	285m NE	Refuse Heap	1938	1645372
K	286m SE	Tunnel	1884	1749322
K	286m SE	Tunnel	1938	1631389
K	286m SE	Tunnel	1882 - 1900	1640811
K	287m SE	Tunnel	1925	1710538
K	288m SE	Tunnel	1950	1726712
K	288m SE	Tunnel	1967 - 1975	1741471
C	289m NW	Cuttings	1975	1705117
I	290m NE	Unspecified Disused Shafts	1967 - 1975	1692788
C	296m NW	Railway Building	1925	1584246
C	299m NW	Pottery	1975	1634045
C	301m NW	Refuse Heap	1882	1624043
I	302m E	Unspecified Old Shaft	1950	1619211



ID	Location	Land use	Dates present	Group ID
I	302m E	Unspecified Disused Shafts	1967 - 1975	1739795
C	303m NW	Unspecified Pit	1900	1611187
I	305m NE	Unspecified Old Shaft	1925	1724074
I	306m NE	Unspecified Old Shaft	1938	1706057
C	307m NW	Unspecified Pit	1900	1744013
C	308m NW	Refuse Heap	1938	1657672
C	308m NW	Sand Pit	1950	1563295
C	310m NW	Refuse Heap	1925	1624385
C	314m NW	Unspecified Heap	1967 - 1975	1747149
C	319m NW	Unspecified Ground Workings	1884	1564808
6	320m W	Cuttings	1967 - 1975	1736252
G	325m E	Refuse Heap	1884	1679330
L	326m W	Unspecified Heap	1950	1568135
G	330m E	Refuse Heap	1925	1645472
G	331m E	Refuse Heap	1950	1625499
7	332m E	Tramway Sidings	1900	1586754
G	335m E	Unspecified Heap	1967	1568174
G	340m E	Refuse Heap	1938	1649643
M	340m W	Brick Yard	1882	1602043
C	343m NW	Unspecified Old Shaft	1882	1571821
C	350m NW	Unspecified Pit	1950	1707357
L	351m W	Unspecified Ground Workings	1882 - 1900	1673093
N	352m NE	Unspecified Heap	1950	1704961
C	352m NW	Unspecified Pit	1925	1745403
N	354m NE	Unspecified Heap	1884	1623896
C	355m NW	Unspecified Ground Workings	1884	1564807
C	356m NW	Pottery	1884	1656077
C	360m NW	Unspecified Tanks	1882	1580134



ID	Location	Land use	Dates present	Group ID
O	370m S	Unspecified Works	1925 - 1975	1616378
C	371m NW	Goods Station	1950	1619291
P	387m SW	Pottery	1900	1652768
P	388m SW	Brick Yard	1882	1602042
O	391m S	Unspecified Works	1938	1680679
P	391m SW	Pottery	1950	1719886
O	392m S	Unspecified Heap	1967	1568133
O	392m S	Unspecified Works	1900	1649877
O	393m S	Sanitary Works	1882	1579574
O	394m S	Unspecified Commercial/Industrial	1950	1562696
O	398m S	Unspecified Works	1884	1620856
Q	414m NW	Unspecified Works	1967 - 1975	1627399
Q	414m NW	Pottery	1950	1705910
Q	415m NW	Pottery	1900	1636644
Q	415m NW	Pottery	1938	1710345
Q	418m NW	Pottery	1925	1615357
M	422m W	Smithy	1900	1612520
Q	425m NW	Pottery	1884	1726898
R	429m E	Clay Mine	1900	1591875
8	429m W	Railway Sidings	1882	1613868
T	429m W	Railway Sidings	1938	1617244
U	431m W	Railway Sidings	1925	1635511
U	431m W	Railway Sidings	1884	1735538
T	431m W	Railway Sidings	1900	1645807
U	432m W	Railway Sidings	1950	1635472
P	434m SW	Unspecified Ground Workings	1925 - 1950	1713829
P	438m SW	Pottery	1925 - 1938	1702123
Q	443m NW	Refuse Heap	1950	1632854



ID	Location	Land use	Dates present	Group ID
P	445m SW	Unspecified Ground Workings	1884	1693441
P	446m SW	Unspecified Ground Workings	1900	1717890
Q	446m NW	Refuse Heap	1925 - 1938	1698444
M	446m W	Pottery	1925 - 1938	1695885
P	447m SW	Refuse Heap	1882	1596176
S	449m S	Pottery	1938 - 1950	1707487
Q	451m NW	Refuse Heap	1884	1697754
S	451m SE	Pottery	1925	1704759
V	452m S	Clay Mine	1938	1693447
S	452m SE	Pottery	1882	1651995
M	452m W	Unspecified Works	1967 - 1975	1676616
M	452m W	Art Pottery	1950	1680943
O	454m S	Unspecified Tanks	1938	1667562
S	454m S	Unspecified Tanks	1950	1730897
S	455m S	Unspecified Tank	1882	1592228
S	456m S	Unspecified Tanks	1925	1652215
M	457m W	Art Pottery	1884	1677108
O	458m S	Unspecified Tanks	1925	1711727
P	458m SW	Pottery	1882	1621416
O	458m S	Unspecified Tank	1950	1592227
R	458m E	Unspecified Heap	1884	1644638
O	459m S	Unspecified Tanks	1900	1680007
O	462m S	Unspecified Pits	1938	1577028
R	462m E	Unspecified Heap	1950	1730355
O	463m S	Unspecified Pit	1925	1680081
R	464m E	Unspecified Heap	1925 - 1938	1686818
O	464m S	Unspecified Pit	1950	1617477
O	464m S	Unspecified Pit	1938	1616801



ID	Location	Land use	Dates present	Group ID
O	465m S	Cuttings	1967	1652104
O	465m S	Unspecified Tanks	1900	1630147
O	465m S	Unspecified Tanks	1925 - 1938	1638669
O	467m S	Cuttings	1975	1614779
O	468m S	Unspecified Ground Workings	1884	1564786
O	470m S	Unspecified Tanks	1882 - 1884	1721534
R	470m E	Old Clay Shafts	1882	1587007
O	470m S	Cuttings	1882 - 1900	1664037
O	470m S	Cuttings	1938	1706388
O	471m S	Unspecified Pit	1950	1742825
O	471m S	Cuttings	1950	1725383
O	471m S	Unspecified Tanks	1925	1690411
O	471m S	Unspecified Tanks	1882 - 1884	1661290
O	472m S	Cuttings	1925	1653896
R	474m E	Old Clay Shaft	1900	1571058
O	476m S	Cuttings	1884	1672825
O	479m S	Unspecified Pit	1900	1748752
S	481m SE	Pottery	1884	1583693
O	483m S	Unspecified Tanks	1925	1632272
O	483m S	Unspecified Tank	1950	1706518
O	484m S	Unspecified Tank	1967	1621866
M	485m W	Unspecified Ground Workings	1882	1564787
M	487m W	Unspecified Tanks	1882	1580124
O	489m S	Unspecified Tank	1884	1698471
P	492m SW	Unspecified Tanks	1882	1580123
O	494m S	Railway Sidings	1882 - 1900	1724672
V	496m S	Unspecified Works	1975	1598154
O	497m S	Refuse Heap	1975	1596171



ID	Location	Land use	Dates present	Group ID
V	499m S	Clay Mine	1925	1705705
M	499m W	Refuse Heap	1882	1596195
V	499m S	Clay and Coal Mine	1950	1653540
O	500m S	Unspecified Tank	1884	1592225

This data is sourced from Ordnance Survey / Groundsure.

1.2 Historical tanks

Records within 500m	89
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Tank features digitised from historical Ordnance Survey mapping at high-detail 1:1,250 and 1:2,500 scale, intelligently grouped into contiguous features. To prevent misrepresentation of the size of historical features at any given time, features are only grouped if they have similar geometries within immediately preceding or succeeding map editions. See section 2 for a breakdown of grouping if required. Grouped and the original ungrouped features can be cross-referenced across sections 1 and 2 using the 'Group ID'.

Features are displayed on the Past land use map on **page 14**

ID	Location	Land use	Dates present	Group ID
A	On site	Unspecified Tank	1883 - 1901	269280
A	1m SW	Unspecified Tank	1883 - 1901	272245
A	8m NW	Unspecified Tank	1882	251569
A	12m NW	Unspecified Tank	1882	251570
A	13m SW	Tanks	1923 - 1937	277887
A	26m NE	Unspecified Tank	1901	279289
A	29m NW	Unspecified Tank	1923	251572
A	44m SW	Unspecified Tank	1882	251578
A	49m SW	Unspecified Tank	1882	251579
A	55m SW	Tanks	1883 - 1901	264750
A	60m SW	Tanks	1882	259772
A	61m N	Unspecified Tank	1923	251571
B	64m SE	Unspecified Tank	1882	251566
A	69m SW	Tanks	1883 - 1901	269121



ID	Location	Land use	Dates present	Group ID
A	79m N	Tanks	1923	259773
A	85m SW	Unspecified Tank	1959 - 1967	273864
A	85m SW	Unspecified Tank	1882	274920
B	86m SE	Unspecified Tank	1923	251568
A	89m SW	Tanks	1923 - 1937	268216
A	94m NW	Tanks	1985 - 1990	275788
A	101m SW	Unspecified Tank	1959	251580
B	104m SE	Unspecified Tank	1883 - 1901	275144
A	108m NE	Unspecified Tank	1901	273871
A	114m NE	Unspecified Tank	1883	265531
B	114m SE	Unspecified Tank	1923 - 1937	265944
B	118m SE	Tanks	1882	259774
B	132m SE	Unspecified Tank	1901	267824
A	137m N	Unspecified Tank	1882	251565
C	155m NW	Unspecified Tank	1883	251574
B	156m SE	Tanks	1883	259775
C	181m NW	Unspecified Tank	1883	251575
E	192m SE	Unspecified Tank	1882	251546
C	194m NW	Unspecified Tank	1882	251573
E	196m SE	Unspecified Tank	1882	251545
C	200m NW	Unspecified Tank	1883 - 1901	276152
C	203m W	Unspecified Tank	1883 - 1901	267734
E	212m SE	Unspecified Tank	1882	251544
E	218m S	Tanks	1959	273490
C	221m NW	Unspecified Tank	1882	251576
E	223m S	Tanks	1923 - 1937	278283
E	225m S	Unspecified Tank	1974	251567
E	232m SE	Unspecified Tank	1883 - 1901	271097



ID	Location	Land use	Dates present	Group ID
C	233m W	Unspecified Tank	1923 - 1967	267865
C	234m W	Unspecified Tank	1980 - 1985	272074
C	235m W	Unspecified Tank	1992	278989
E	235m SE	Tanks	1883 - 1901	279010
C	237m NW	Unspecified Tank	1882	251577
C	237m NW	Unspecified Tank	1882	268909
C	238m W	Unspecified Tank	1923 - 1967	268842
I	292m NE	Unspecified Tank	1923	251559
5	304m W	Unspecified Tank	1992	251592
C	344m NW	Unspecified Tank	1985 - 1992	274090
C	350m NW	Tanks	1883	259790
C	381m NW	Tanks	1985 - 1992	271678
M	388m W	Unspecified Tank	1985 - 1992	267254
Q	393m NW	Unspecified Tank	1901	272474
C	394m NW	Tanks	1882	259789
M	424m W	Unspecified Tank	1985 - 1992	273303
Q	425m NW	Unspecified Tank	1923 - 1937	278767
S	429m SE	Unspecified Tank	1882	251553
M	432m W	Unspecified Tank	1985	251606
O	436m S	Tanks	1882	259768
O	442m S	Tanks	1882	259769
P	447m SW	Unspecified Tank	1882	251591
M	450m W	Tanks	1883	259792
P	451m SW	Unspecified Tank	1882	251589
O	455m S	Unspecified Tank	1901	272945
P	455m SW	Tanks	1882	259771
O	457m S	Tanks	1959	268782
P	458m SW	Unspecified Tank	1883	251590



ID	Location	Land use	Dates present	Group ID
S	460m S	Tanks	1923	259765
O	461m S	Tanks	1923 - 1937	270230
P	464m SW	Unspecified Tank	1883	251588
S	464m S	Unspecified Tank	1937	251548
O	465m S	Tanks	1901	277038
O	465m S	Tanks	1959	276822
O	466m S	Tanks	1883	269009
O	466m S	Tanks	1901	278923
S	467m SE	Unspecified Tank	1883	251549
S	467m SE	Tanks	1901	269201
P	468m SW	Tanks	1883	259770
O	470m S	Tanks	1923 - 1937	276019
O	473m S	Tanks	1883	268493
M	477m W	Tanks	1882	259791
O	477m S	Tanks	1985 - 1992	265697
O	480m S	Unspecified Tank	1901	263600
S	483m S	Unspecified Tank	1882	251547
O	484m S	Unspecified Tank	1882	251528
O	485m S	Tanks	1985 - 1992	275769

This data is sourced from Ordnance Survey / Groundsure.

1.3 Historical energy features

Records within 500m

14

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

Features are displayed on the Past land use map on **page 14**



ID	Location	Land use	Dates present	Group ID
3	218m NE	Electricity Substation	1985 - 1992	164507
C	254m NW	Electricity Substation	1985 - 1992	156295
C	255m NW	Gas Governor	1985 - 1992	152989
C	276m NW	Electricity Substation	1992	147918
C	280m NW	Electricity Substation	1967 - 1982	159723
C	281m NW	Electricity Substation	1985 - 1992	153900
4	291m S	Gas Governor	1974 - 1992	165777
D	294m SE	Electricity Substation	1992	161824
D	295m SE	Electricity Substation	1990	159430
D	295m SE	Electricity Substation	1985	163289
J	313m SW	Electricity Substation	1974 - 1992	159819
O	460m S	Electricity Substation	1985 - 1992	154223
O	461m S	Electricity Substation	1990	165169
Q	471m NW	Electricity Substation	1985 - 1992	167578

This data is sourced from Ordnance Survey / Groundsure.

1.4 Historical petrol stations

Records within 500m

0

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

14

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



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

Features are displayed on the Past land use map on **page 14**

ID	Location	Land use	Dates present	Group ID
A	66m SW	Garage	1974 - 1985	52424
A	67m SW	Garage	1990 - 1992	54243
A	80m SW	Garage	1992	48935
A	81m SW	Garage	1990	53859
A	82m SW	Garage	1985	53903
C	227m NW	Garage	1985 - 1992	53040
C	232m NW	Garage	1980 - 1982	53718
C	233m NW	Garage	1959 - 1967	51830
C	259m NW	Garage	1985 - 1992	51661
C	259m NW	Garage	1967	48579
C	280m NW	Garage	1980 - 1982	52078
Q	439m NW	Garage	1985 - 1992	52665
Q	440m NW	Garage	1980 - 1982	52693
Q	442m NW	Garage	1959 - 1967	54310

This data is sourced from Ordnance Survey / Groundsure.

1.6 Historical military land

Records within 500m

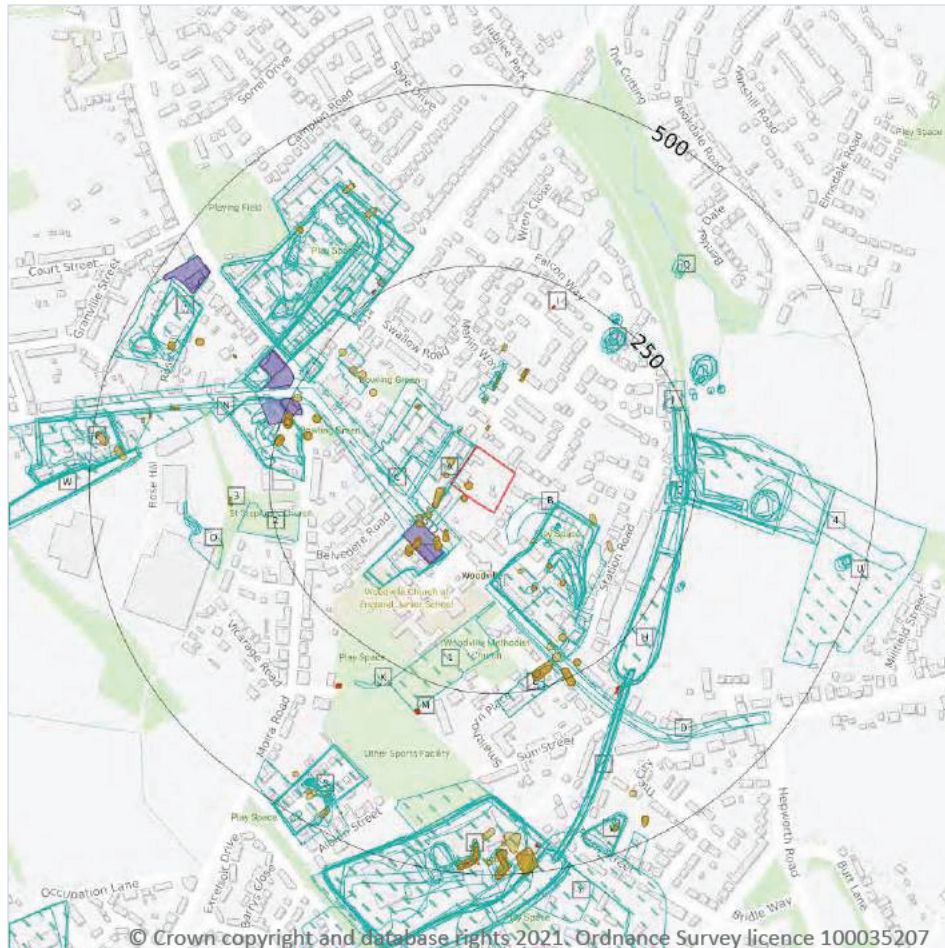
0

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

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



2 Past land use - un-grouped



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

2.1 Historical industrial land uses

Records within 500m

346

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

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

ID	Location	Land Use	Date	Group ID
A	On site	Pottery	1938	1704471
A	On site	Brewery	1925	1589851
A	On site	Pottery	1925	1644448



ID	Location	Land Use	Date	Group ID
A	3m NW	Pottery	1884	1700814
B	23m SE	Unspecified Heap	1975	1568134
A	31m NW	Unspecified Tanks	1925	1580125
A	38m NW	Brewery	1938	1685177
A	38m NW	Brewery	1900	1630064
A	38m NW	Brewery	1882	1630064
C	40m SW	Railway Sidings	1938	1653423
A	42m NW	Unspecified Depot	1975	1583299
A	45m NW	Brewery	1884	1622285
C	55m SW	Railway Sidings	1950	1653423
A	60m N	Unspecified Tanks	1950	1697426
B	64m SE	Pottery	1884	1630563
A	65m N	Unspecified Tanks	1925	1627373
B	65m SE	Pottery	1925	1736091
A	65m N	Unspecified Tanks	1884	1643283
A	66m SW	Pottery	1925	1647794
B	66m SE	Unspecified Works	1967	1680284
B	67m SE	Potteries	1882	1612136
B	68m SE	Pottery	1938	1736091
B	68m SE	Pottery	1900	1629641
B	70m SE	Unspecified Works	1975	1680284
A	71m SW	Pottery	1950	1622528
A	71m SW	Pottery	1938	1647794
A	71m SW	Pottery	1882	1703697
A	75m SW	Pottery	1884	1703697
B	79m SE	Old Shaft	1884	1590077
B	80m SE	Old Clay Shafts	1882	1586999
A	81m N	Unspecified Tanks	1950	1661162



ID	Location	Land Use	Date	Group ID
B	84m SE	Unspecified Old Shaft	1925	1735629
B	84m SE	Unspecified Old Shaft	1925	1735629
B	84m SE	Unspecified Old Shaft	1950	1644199
B	84m SE	Old Clay Shafts	1882	1587000
B	85m SE	Unspecified Old Shaft	1938	1743829
B	85m SE	Unspecified Tank	1900	1592230
A	86m N	Unspecified Tanks	1925	1622918
A	87m N	Unspecified Tanks	1938	1742690
A	87m N	Unspecified Tank	1900	1750012
A	87m N	Unspecified Tank	1882	1750012
A	98m N	Unspecified Tanks	1950	1615086
B	99m SE	Refuse Heap	1884	1636859
B	99m SE	Refuse Heap	1925	1635915
B	99m SE	Refuse Heap	1925	1635915
B	100m SE	Refuse Heap	1950	1684418
A	103m N	Unspecified Tanks	1884	1736303
B	103m SE	Refuse Heap	1938	1676624
A	110m N	Unspecified Tanks	1950	1741022
B	112m SE	Unspecified Tank	1925	1592229
B	113m SE	Unspecified Tank	1884	1592231
A	117m N	Unspecified Tanks	1884	1580135
1	122m S	Burial Ground	1882	1577264
B	123m SE	Unspecified Tanks	1882	1580127
D	132m S	Railway Sidings	1938	1683186
D	137m S	Railway Sidings	1950	1683186
C	172m NW	Police Station	1938	1722756
C	193m NW	Police Station	1884	1631328
C	203m W	Pottery	1938	1640192



ID	Location	Land Use	Date	Group ID
C	203m W	Pottery	1900	1682143
C	206m W	Pottery	1925	1671389
C	206m W	Pottery	1950	1625362
F	208m NE	Unspecified Heap	1950	1614684
G	210m E	Railway Station	1884	1743779
H	210m E	Cuttings	1884	1618345
G	210m E	Railway Station	1967	1746467
F	211m NE	Refuse Heap	1938	1624591
F	211m NE	Refuse Heap	1900	1649589
F	211m NE	Unspecified Heap	1882	1727779
C	212m W	Pottery	1884	1633103
F	212m NE	Unspecified Heap	1884	1698894
2	213m W	Grave Yard	1882	1582710
G	214m E	Railway Buildings	1950	1601618
F	215m NE	Unspecified Heap	1925	1672284
F	215m NE	Unspecified Heap	1925	1672284
G	216m E	Railway Station	1925	1631307
H	217m E	Cuttings	1925	1697481
H	217m E	Cuttings	1938	1673348
H	217m E	Cuttings	1950	1617069
E	218m S	Pottery	1900	1736767
E	218m S	Pottery	1882	1736767
G	218m E	Railway Station	1938	1704348
G	218m E	Railway Station	1900	1693997
G	220m E	Cuttings	1882	1701785
G	220m E	Railway Sidings	1967	1651446
G	221m E	Railway Sidings	1950	1676940
G	222m E	Railway Sidings	1925	1686686



ID	Location	Land Use	Date	Group ID
F	223m NE	Unspecified Old Shafts	1950	1642424
F	223m NE	Unspecified Disused Shafts	1975	1711172
F	223m NE	Unspecified Disused Shafts	1967	1711172
H	224m SE	Cuttings	1975	1639154
H	224m SE	Cuttings	1967	1639154
J	224m NE	Unspecified Heap	1882	1568173
G	224m E	Railway Sidings	1938	1747913
G	224m E	Railway Sidings	1900	1741597
G	225m E	Railway Sidings	1884	1672311
F	226m NE	Old Shaft	1884	1590075
F	226m NE	Unspecified Old Shafts	1925	1616450
F	226m NE	Unspecified Old Shafts	1925	1616450
H	228m SE	Cuttings	1900	1657555
H	228m SE	Cuttings	1882	1657555
G	232m E	Pottery	1884	1699630
G	233m E	Unspecified Commercial/Industrial	1950	1708266
F	235m NE	Old Clay Shafts	1882	1587003
G	236m E	Railway Building	1925	1584241
C	236m NW	Police Station	1882	1698782
C	236m NW	Brick Yard	1882	1602041
G	238m E	Pottery	1925	1657955
C	238m NW	Police Station	1967	1683597
C	238m NW	Pottery	1950	1624773
C	238m NW	Railway Sidings	1950	1718437
C	239m NW	Police Station	1950	1670495
G	239m E	Pottery	1938	1678109
G	239m E	Earthenware Works	1900	1603515
C	239m NW	Police Station	1925	1681128



ID	Location	Land Use	Date	Group ID
G	241m E	Unspecified Commercial/Industrial	1967	1653442
C	241m NW	Unspecified Works	1967	1598156
C	241m NW	Railway Sidings	1967	1700692
E	242m S	Unspecified Tank	1900	1723379
E	242m S	Unspecified Tank	1882	1723379
C	245m W	Refuse Heap	1882	1712800
C	246m NW	Goods Station	1884	1719189
F	247m NE	Unspecified Old Shafts	1950	1703348
F	248m NE	Unspecified Heap	1882	1568172
F	249m NE	Unspecified Disused Shafts	1975	1648410
F	249m NE	Unspecified Disused Shafts	1967	1648410
F	250m NE	Unspecified Disused Shafts	1967	1605883
F	250m NE	Unspecified Old Shafts	1925	1661840
F	250m NE	Unspecified Old Shafts	1925	1745860
G	250m E	Refuse Heap	1950	1629552
G	251m E	Refuse Heap	1938	1629552
G	251m E	Refuse Heap	1900	1713104
F	252m NE	Unspecified Disused Shaft	1975	1578591
G	252m E	Refuse Heap	1925	1680216
G	252m E	Refuse Heap	1925	1680216
F	253m NE	Old Clay Shafts	1882	1587004
F	253m NE	Old Clay Shafts	1938	1657958
F	253m NE	Old Clay Shafts	1900	1662922
C	260m W	Refuse Heap	1925	1636830
C	260m NW	Pottery	1925	1671260
C	260m W	Refuse Heap	1925	1636830
C	262m W	Refuse Heap	1900	1711630
J	264m NE	Pumping House	1884	1690522



ID	Location	Land Use	Date	Group ID
C	265m NW	Cuttings	1882	1646970
C	266m NW	Pottery	1938	1671260
C	266m NW	Pottery	1900	1623864
J	266m NE	Pumping House	1950	1625149
C	267m NW	Railway Building	1925	1584243
C	267m NW	Cuttings	1967	1721129
C	267m NW	Railway Sidings	1925	1708272
C	267m NW	Railway Sidings	1938	1708272
C	267m NW	Railway Sidings	1900	1705164
C	267m NW	Railway Sidings	1882	1705164
C	268m NW	Goods Station	1938	1673784
C	268m NW	Goods Station	1900	1645836
C	268m NW	Goods Station	1882	1645836
C	268m W	Refuse Heap	1938	1718988
C	269m NW	Goods Station	1925	1743242
C	270m NW	Cuttings	1975	1646688
C	270m NW	Cuttings	1938	1643727
H	270m SE	Trial Shaft	1884	1690474
C	271m NW	Goods Station	1967	1744189
H	271m SE	Trial Shaft	1950	1627280
C	271m NW	Cuttings	1925	1621585
C	272m NW	Cuttings	1950	1723494
H	273m SE	Trial Shaft	1938	1668439
H	274m SE	Trial Shaft	1925	1668439
H	274m SE	Trial Shaft	1925	1668439
K	274m SW	Unspecified Pit	1900	1611218
C	275m NW	Cuttings	1884	1646970
J	276m NE	Pumping House	1882	1635876



ID	Location	Land Use	Date	Group ID
J	277m NE	Refuse Heap	1950	1739811
J	279m NE	Refuse Heap	1884	1741738
J	279m NE	Old Shaft	1884	1590076
C	280m NW	Railway Building	1925	1584245
C	280m NW	Cuttings	1938	1720756
C	280m NW	Cuttings	1900	1614464
C	280m NW	Cuttings	1882	1640935
J	281m NE	Refuse Heap	1925	1615473
J	281m NE	Refuse Heap	1925	1615473
J	282m NE	Pumping House	1925	1721818
C	283m N	Unspecified Pit	1882	1611226
C	283m NW	Railway Sidings	1884	1719169
J	284m NE	Pumping House	1938	1674068
J	284m NE	Pumping House	1900	1666831
J	285m NE	Refuse Heap	1938	1645372
L	286m SE	Tunnel	1884	1749322
L	286m SE	Tunnel	1938	1631389
L	286m SE	Tunnel	1900	1640811
L	286m SE	Tunnel	1882	1640811
L	287m SE	Tunnel	1925	1710538
L	288m SE	Tunnel	1975	1741471
L	288m SE	Tunnel	1967	1741471
L	288m SE	Tunnel	1950	1726712
C	288m NW	Cuttings	1884	1640935
C	289m NW	Cuttings	1975	1705117
J	290m NE	Unspecified Disused Shafts	1975	1692788
J	290m NE	Unspecified Disused Shafts	1967	1692788
C	296m NW	Railway Building	1925	1584246



ID	Location	Land Use	Date	Group ID
C	299m NW	Pottery	1975	1634045
C	301m NW	Refuse Heap	1882	1624043
J	302m E	Unspecified Old Shaft	1950	1619211
J	302m E	Unspecified Disused Shafts	1975	1739795
J	302m E	Unspecified Disused Shafts	1967	1739795
C	303m NW	Unspecified Pit	1900	1611187
J	305m NE	Unspecified Old Shaft	1925	1724074
J	305m NE	Unspecified Old Shaft	1925	1724074
J	306m NE	Unspecified Old Shaft	1938	1706057
C	307m NW	Unspecified Pit	1900	1744013
C	308m NW	Refuse Heap	1938	1657672
C	308m NW	Sand Pit	1950	1563295
C	310m NW	Refuse Heap	1925	1624385
C	310m NW	Refuse Heap	1925	1624385
C	314m NW	Unspecified Heap	1975	1747149
C	314m NW	Unspecified Heap	1967	1747149
C	319m NW	Unspecified Ground Workings	1884	1564808
N	320m W	Cuttings	1975	1736252
N	320m W	Cuttings	1967	1736252
G	325m E	Refuse Heap	1884	1679330
O	326m W	Unspecified Heap	1950	1568135
G	330m E	Refuse Heap	1925	1645472
G	330m E	Refuse Heap	1925	1645472
G	331m E	Refuse Heap	1950	1625499
4	332m E	Tramway Sidings	1900	1586754
G	335m E	Unspecified Heap	1967	1568174
G	340m E	Refuse Heap	1938	1649643
P	340m W	Brick Yard	1882	1602043



ID	Location	Land Use	Date	Group ID
C	343m NW	Unspecified Old Shaft	1882	1571821
C	350m NW	Unspecified Pit	1950	1707357
O	351m W	Unspecified Ground Workings	1882	1673093
Q	352m NE	Unspecified Heap	1950	1704961
C	352m NW	Unspecified Pit	1925	1745403
C	352m NW	Unspecified Pit	1925	1745403
O	353m W	Unspecified Ground Workings	1900	1673093
Q	354m NE	Unspecified Heap	1884	1623896
C	355m NW	Unspecified Ground Workings	1884	1564807
C	356m NW	Pottery	1884	1656077
C	360m NW	Unspecified Tanks	1882	1580134
R	370m S	Unspecified Works	1967	1616378
C	371m NW	Goods Station	1950	1619291
S	387m SW	Pottery	1900	1652768
R	388m S	Unspecified Works	1975	1616378
S	388m SW	Brick Yard	1882	1602042
R	391m S	Unspecified Works	1938	1680679
S	391m SW	Pottery	1950	1719886
R	392m S	Unspecified Heap	1967	1568133
R	392m S	Unspecified Works	1900	1649877
R	393m S	Unspecified Works	1925	1616378
R	393m S	Sanitary Works	1882	1579574
R	394m S	Unspecified Commercial/Industrial	1950	1562696
R	398m S	Unspecified Works	1884	1620856
T	414m NW	Unspecified Works	1975	1627399
T	414m NW	Unspecified Works	1967	1627399
T	414m NW	Pottery	1950	1705910
T	415m NW	Pottery	1938	1710345



ID	Location	Land Use	Date	Group ID
T	415m NW	Pottery	1900	1636644
T	418m NW	Pottery	1925	1615357
P	422m W	Smithy	1900	1612520
T	425m NW	Pottery	1884	1726898
U	429m E	Clay Mine	1900	1591875
S	429m W	Railway Sidings	1882	1613868
W	429m W	Railway Sidings	1938	1617244
X	431m W	Railway Sidings	1925	1635511
W	431m W	Railway Sidings	1900	1645807
X	432m W	Railway Sidings	1950	1635472
S	434m SW	Unspecified Ground Workings	1938	1713829
S	438m SW	Pottery	1938	1702123
S	439m SW	Unspecified Ground Workings	1925	1713829
S	439m SW	Unspecified Ground Workings	1925	1713829
S	440m SW	Unspecified Ground Workings	1950	1713829
S	441m SW	Pottery	1925	1702123
T	443m NW	Refuse Heap	1950	1632854
S	445m SW	Unspecified Ground Workings	1884	1693441
S	446m SW	Unspecified Ground Workings	1900	1717890
T	446m NW	Refuse Heap	1938	1698444
P	446m W	Pottery	1938	1695885
T	447m NW	Refuse Heap	1925	1698444
T	447m NW	Refuse Heap	1925	1698444
S	447m SW	Refuse Heap	1882	1596176
V	449m S	Pottery	1938	1707487
T	451m NW	Refuse Heap	1884	1697754
V	451m SE	Pottery	1925	1704759
P	451m W	Pottery	1925	1695885



ID	Location	Land Use	Date	Group ID
Y	452m S	Clay Mine	1938	1693447
V	452m S	Pottery	1950	1707487
V	452m SE	Pottery	1882	1651995
P	452m W	Unspecified Works	1975	1676616
P	452m W	Unspecified Works	1967	1676616
P	452m W	Art Pottery	1950	1680943
R	454m S	Unspecified Tanks	1938	1667562
V	454m S	Unspecified Tanks	1950	1730897
V	455m S	Unspecified Tank	1882	1592228
V	456m S	Unspecified Tanks	1925	1652215
P	457m W	Art Pottery	1884	1677108
R	458m S	Unspecified Tanks	1925	1711727
S	458m SW	Pottery	1882	1621416
R	458m S	Unspecified Tank	1950	1592227
U	458m E	Unspecified Heap	1884	1644638
R	459m S	Unspecified Tanks	1900	1680007
R	461m S	Clay Shaft	1882	9999999
R	462m S	Unspecified Pits	1938	1577028
U	462m E	Unspecified Heap	1950	1730355
R	463m S	Unspecified Pit	1925	1680081
R	463m S	Unspecified Pit	1925	1680081
U	464m E	Unspecified Heap	1938	1686818
R	464m S	Unspecified Pit	1950	1617477
R	464m S	Unspecified Pit	1938	1616801
R	465m S	Cuttings	1967	1652104
U	465m E	Unspecified Heap	1925	1686818
U	465m E	Unspecified Heap	1925	1686818
R	465m S	Unspecified Tanks	1900	1630147



ID	Location	Land Use	Date	Group ID
R	465m S	Unspecified Tanks	1938	1638669
R	467m S	Cuttings	1975	1614779
R	468m S	Unspecified Ground Workings	1884	1564786
R	469m S	Unspecified Tanks	1925	1638669
R	470m S	Unspecified Tanks	1884	1721534
U	470m E	Old Clay Shafts	1882	1587007
R	470m S	Cuttings	1938	1706388
R	470m S	Cuttings	1900	1664037
R	470m S	Cuttings	1882	1664037
R	471m S	Unspecified Pit	1950	1742825
R	471m S	Cuttings	1950	1725383
R	471m S	Unspecified Tanks	1925	1690411
R	471m S	Unspecified Tanks	1882	1661290
R	472m S	Cuttings	1925	1653896
U	474m E	Old Clay Shaft	1900	1571058
R	476m S	Cuttings	1884	1672825
R	476m S	Unspecified Tanks	1884	1661290
R	477m S	Unspecified Tanks	1882	1721534
R	479m S	Unspecified Pit	1900	1748752
V	481m SE	Pottery	1884	1583693
R	483m S	Unspecified Tanks	1925	1632272
R	483m S	Unspecified Tank	1950	1706518
R	484m S	Unspecified Tank	1967	1621866
P	485m W	Unspecified Ground Workings	1882	1564787
P	487m W	Unspecified Tanks	1882	1580124
R	489m S	Unspecified Tank	1884	1698471
S	492m SW	Unspecified Tanks	1882	1580123
R	494m S	Railway Sidings	1900	1724672



ID	Location	Land Use	Date	Group ID
Y	496m S	Unspecified Works	1975	1598154
R	497m S	Refuse Heap	1975	1596171
Y	499m S	Clay Mine	1925	1705705
R	499m S	Railway Sidings	1882	1724672
P	499m W	Refuse Heap	1882	1596195
Y	499m S	Clay and Coal Mine	1950	1653540
R	500m S	Unspecified Tank	1884	1592225

This data is sourced from Ordnance Survey / Groundsure.

2.2 Historical tanks

Records within 500m

140

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

Features are displayed on the Past land use - un-grouped map on **page 31**

ID	Location	Land Use	Date	Group ID
A	On site	Unspecified Tank	1883	269280
A	On site	Unspecified Tank	1901	269280
A	On site	Unspecified Tank	1901	269280
A	1m SW	Unspecified Tank	1883	272245
A	1m SW	Unspecified Tank	1901	272245
A	1m SW	Unspecified Tank	1901	272245
A	8m NW	Unspecified Tank	1882	251569
A	12m NW	Unspecified Tank	1882	251570
A	13m SW	Tanks	1923	277887
A	13m SW	Tanks	1937	277887
A	26m NE	Unspecified Tank	1901	279289
A	26m NE	Unspecified Tank	1901	279289
A	29m NW	Unspecified Tank	1923	251572



ID	Location	Land Use	Date	Group ID
A	44m SW	Unspecified Tank	1882	251578
A	49m SW	Unspecified Tank	1882	251579
A	55m SW	Tanks	1883	264750
A	55m SW	Tanks	1901	264750
A	55m SW	Tanks	1901	264750
A	60m SW	Tanks	1882	259772
A	61m N	Unspecified Tank	1923	251571
B	64m SE	Unspecified Tank	1882	251566
A	69m SW	Tanks	1883	269121
A	69m SW	Tanks	1901	269121
A	69m SW	Tanks	1901	269121
A	79m N	Tanks	1923	259773
A	85m SW	Unspecified Tank	1959	273864
A	85m SW	Unspecified Tank	1967	273864
A	85m SW	Unspecified Tank	1882	274920
B	86m SE	Unspecified Tank	1923	251568
A	89m SW	Tanks	1923	268216
A	89m SW	Tanks	1937	268216
A	94m NW	Tanks	1985	275788
A	94m NW	Tanks	1990	275788
A	101m SW	Unspecified Tank	1959	251580
B	104m SE	Unspecified Tank	1883	275144
B	104m SE	Unspecified Tank	1901	275144
B	104m SE	Unspecified Tank	1901	275144
A	108m NE	Unspecified Tank	1901	273871
A	108m NE	Unspecified Tank	1901	273871
A	114m NE	Unspecified Tank	1883	265531
B	114m SE	Unspecified Tank	1923	265944



ID	Location	Land Use	Date	Group ID
B	114m SE	Unspecified Tank	1937	265944
B	118m SE	Tanks	1882	259774
B	132m SE	Unspecified Tank	1901	267824
B	132m SE	Unspecified Tank	1901	267824
A	137m N	Unspecified Tank	1882	251565
C	155m NW	Unspecified Tank	1883	251574
B	156m SE	Tanks	1883	259775
C	181m NW	Unspecified Tank	1883	251575
E	192m SE	Unspecified Tank	1882	251546
C	194m NW	Unspecified Tank	1882	251573
E	196m SE	Unspecified Tank	1882	251545
C	200m NW	Unspecified Tank	1883	276152
C	200m NW	Unspecified Tank	1901	276152
C	200m NW	Unspecified Tank	1901	276152
C	203m W	Unspecified Tank	1883	267734
C	203m W	Unspecified Tank	1901	267734
C	203m W	Unspecified Tank	1901	267734
E	212m SE	Unspecified Tank	1882	251544
E	218m S	Tanks	1959	273490
C	221m NW	Unspecified Tank	1882	251576
E	223m S	Tanks	1923	278283
E	223m S	Tanks	1937	278283
E	225m S	Unspecified Tank	1974	251567
E	232m SE	Unspecified Tank	1883	271097
E	232m SE	Unspecified Tank	1901	271097
E	232m SE	Unspecified Tank	1901	271097
C	233m W	Unspecified Tank	1937	267865
C	233m W	Unspecified Tank	1923	267865

ID	Location	Land Use	Date	Group ID
C	233m W	Unspecified Tank	1959	267865
C	233m W	Unspecified Tank	1967	267865
C	234m W	Unspecified Tank	1985	272074
C	235m W	Unspecified Tank	1992	278989
E	235m SE	Tanks	1883	279010
E	235m SE	Tanks	1901	279010
E	235m SE	Tanks	1901	279010
C	236m W	Unspecified Tank	1980	272074
C	236m W	Unspecified Tank	1980	272074
C	236m W	Unspecified Tank	1982	272074
C	237m NW	Unspecified Tank	1882	251577
C	237m NW	Unspecified Tank	1882	268909
C	238m W	Unspecified Tank	1959	268842
C	238m W	Unspecified Tank	1967	268842
C	239m W	Unspecified Tank	1923	268842
C	239m W	Unspecified Tank	1937	268842
J	292m NE	Unspecified Tank	1923	251559
3	304m W	Unspecified Tank	1992	251592
C	344m NW	Unspecified Tank	1992	274090
C	344m NW	Unspecified Tank	1985	274090
C	350m NW	Tanks	1883	259790
C	381m NW	Tanks	1992	271678
C	382m NW	Tanks	1985	271678
P	388m W	Unspecified Tank	1992	267254
P	389m W	Unspecified Tank	1985	267254
T	393m NW	Unspecified Tank	1901	272474
T	393m NW	Unspecified Tank	1901	272474
C	394m NW	Tanks	1882	259789



ID	Location	Land Use	Date	Group ID
P	424m W	Unspecified Tank	1992	273303
T	425m NW	Unspecified Tank	1923	278767
T	425m NW	Unspecified Tank	1937	278767
P	425m W	Unspecified Tank	1985	273303
V	429m SE	Unspecified Tank	1882	251553
P	432m W	Unspecified Tank	1985	251606
R	436m S	Tanks	1882	259768
R	442m S	Tanks	1882	259769
S	447m SW	Unspecified Tank	1882	251591
P	450m W	Tanks	1883	259792
S	451m SW	Unspecified Tank	1882	251589
R	455m S	Unspecified Tank	1901	272945
R	455m S	Unspecified Tank	1901	272945
S	455m SW	Tanks	1882	259771
R	457m S	Tanks	1959	268782
S	458m SW	Unspecified Tank	1883	251590
V	460m S	Tanks	1923	259765
R	461m S	Tanks	1923	270230
R	461m S	Tanks	1937	270230
S	464m SW	Unspecified Tank	1883	251588
V	464m S	Unspecified Tank	1937	251548
R	465m S	Tanks	1901	277038
R	465m S	Tanks	1901	277038
R	465m S	Tanks	1959	276822
R	466m S	Tanks	1883	269009
R	466m S	Tanks	1901	278923
R	466m S	Tanks	1901	278923
V	467m SE	Unspecified Tank	1883	251549



ID	Location	Land Use	Date	Group ID
V	467m SE	Tanks	1901	269201
V	467m SE	Tanks	1901	269201
S	468m SW	Tanks	1883	259770
R	470m S	Tanks	1923	276019
R	470m S	Tanks	1937	276019
R	473m S	Tanks	1883	268493
P	477m W	Tanks	1882	259791
R	477m S	Tanks	1992	265697
R	478m S	Tanks	1985	265697
R	480m S	Unspecified Tank	1901	263600
R	480m S	Unspecified Tank	1901	263600
V	483m S	Unspecified Tank	1882	251547
R	484m S	Unspecified Tank	1882	251528
R	485m S	Tanks	1992	275769
R	485m S	Tanks	1985	275769

This data is sourced from Ordnance Survey / Groundsure.

2.3 Historical energy features

Records within 500m

36

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

Features are displayed on the Past land use - un-grouped map on **page 31**

ID	Location	Land Use	Date	Group ID
I	218m NE	Electricity Substation	1990	164507
I	218m NE	Electricity Substation	1992	164507
I	219m NE	Electricity Substation	1985	164507
C	254m NW	Electricity Substation	1985	156295
C	254m NW	Electricity Substation	1990	156295



ID	Location	Land Use	Date	Group ID
C	254m NW	Electricity Substation	1992	156295
C	255m NW	Gas Governor	1985	152989
C	255m NW	Gas Governor	1990	152989
C	255m NW	Gas Governor	1992	152989
C	276m NW	Electricity Substation	1992	147918
C	280m NW	Electricity Substation	1967	159723
C	281m NW	Electricity Substation	1985	153900
C	281m NW	Electricity Substation	1980	159723
C	281m NW	Electricity Substation	1980	159723
C	281m NW	Electricity Substation	1982	159723
C	281m NW	Electricity Substation	1992	153900
M	291m S	Gas Governor	1974	165777
M	292m S	Gas Governor	1985	165777
M	292m S	Gas Governor	1992	165777
M	293m S	Gas Governor	1990	165777
M	293m S	Gas Governor	1990	165777
D	294m SE	Electricity Substation	1992	161824
D	295m SE	Electricity Substation	1990	159430
D	295m SE	Electricity Substation	1990	159430
D	295m SE	Electricity Substation	1985	163289
K	313m SW	Electricity Substation	1974	159819
K	315m SW	Electricity Substation	1992	159819
K	315m SW	Electricity Substation	1985	159819
K	316m SW	Electricity Substation	1990	159819
K	316m SW	Electricity Substation	1990	159819
R	460m S	Electricity Substation	1992	154223
R	461m S	Electricity Substation	1985	154223
R	461m S	Electricity Substation	1990	165169



ID	Location	Land Use	Date	Group ID
R	461m S	Electricity Substation	1990	165169
T	471m NW	Electricity Substation	1992	167578
T	471m NW	Electricity Substation	1985	167578

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 **28**

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

Features are displayed on the Past land use - un-grouped map on **page 31**

ID	Location	Land Use	Date	Group ID
A	66m SW	Garage	1985	52424
A	67m SW	Garage	1990	54243
A	67m SW	Garage	1992	54243
A	80m SW	Garage	1992	48935
A	81m SW	Garage	1990	53859
A	81m SW	Garage	1990	53859
A	82m SW	Garage	1985	53903
A	90m SW	Garage	1974	52424
C	227m NW	Garage	1985	53040
C	227m NW	Garage	1992	53040



ID	Location	Land Use	Date	Group ID
C	232m NW	Garage	1980	53718
C	232m NW	Garage	1980	53718
C	232m NW	Garage	1982	53718
C	233m NW	Garage	1959	51830
C	233m NW	Garage	1967	51830
C	259m NW	Garage	1992	51661
C	259m NW	Garage	1985	51661
C	259m NW	Garage	1967	48579
C	280m NW	Garage	1980	52078
C	280m NW	Garage	1980	52078
C	280m NW	Garage	1982	52078
T	439m NW	Garage	1992	52665
T	440m NW	Garage	1985	52665
T	440m NW	Garage	1980	52693
T	440m NW	Garage	1980	52693
T	440m NW	Garage	1982	52693
T	442m NW	Garage	1959	54310
T	443m NW	Garage	1967	54310

This data is sourced from Ordnance Survey / Groundsure.



3 Waste and landfill



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

3.1 Active or recent landfill

Records within 500m

0

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

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

3.2 Historical landfill (BGS records)

Records within 500m

0

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

This data is sourced from the British Geological Survey.

3.3 Historical landfill (LA/mapping records)

Records within 500m

2

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

Features are displayed on the Waste and landfill map on **page 53**

ID	Location	Site address	Source	Data type
B	185m W	Plot 20, The Coppice, Moira Road, Woodville, Swadlincote	Wardell Armstrong	Point
B	262m W	Refuse Tip	1967 mapping	Polygon

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

3.4 Historical landfill (EA/NRW records)

Records within 500m

1

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

Features are displayed on the Waste and landfill map on **page 53**

ID	Location	Details		
4	459m S	Site Address: Sun Street Landfill Site, Sun Street, Woodville, Swadlincote, Derbyshire Licence Holder Address: -	Waste Licence: Yes Site Reference: LW20 Waste Type: Inert, Industrial Environmental Permitting Regulations (Waste) Reference: - Licence Issue: 19/06/1985 Licence Surrender: 31/12/1990	Operator: Craven Tasker (Woodville) Limited Licence Holder: Craven Tasker (Woodville) Limited First Recorded 31/12/1985 Last Recorded: 10/12/1990

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

3.5 Historical waste sites

Records within 500m

4

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

Features are displayed on the Waste and landfill map on **page 53**



ID	Location	Address	Further Details	Date
B	204m W	Site Address: N/A	Type of Site: Scrap Metal Works Planning application reference: N/A Description: N/A Data source: Historic Mapping Data Type: Polygon	1967
B	211m W	Site Address: N/A	Type of Site: Scrap Yard Planning application reference: N/A Description: N/A Data source: Historic Mapping Data Type: Polygon	1983
B	212m W	Site Address: N/A	Type of Site: Scrap Yard Planning application reference: N/A Description: N/A Data source: Historic Mapping Data Type: Polygon	1983
2	444m W	Site Address: N/A	Type of Site: Ground Workings and Refuse Heap Planning application reference: N/A Description: N/A Data source: Historic Mapping Data Type: Polygon	1882

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

3.6 Licensed waste sites

Records within 500m	3
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Active or recently closed waste sites under Environment Agency/Natural Resources Wales regulation.

Features are displayed on the Waste and landfill map on **page 53**

ID	Location	Details		
B	219m W	Site Name: Donald Ward Ltd Site Address: Rawdon Works, Moir Road, Woodville, Burton On Trent, Staffordshire, DE11 8DG Correspondence Address: -	Type of Site: Household, Commercial & Industrial Waste T Stn Size: >= 25000 tonnes 75000 tonnes Environmental Permitting Regulations (Waste) Licence Number: DON004 EPR reference: EA/EPR/DP3292FX/A001 Operator: Donald Ward Ltd Waste Management licence No: 40281 Annual Tonnage: 50000	Issue Date: 23/03/2006 Effective Date: - Modified:: - Surrendered Date: - Expiry Date: - Cancelled Date: - Status: Issued

ID	Location	Details		
B	219m W	Site Name: Donald Ward Ltd Site Address: Rawdon Works, Moira Road, Woodville, Swadlincote, Derbyshire, DE11 8DG Correspondence Address: -	Type of Site: Household, Commercial & Industrial Waste T Stn Size: 25000 tonnes Environmental Permitting Regulations (Waste) Licence Number: DON002 EPR reference: EA/EPR/VP3696FV/V002 Operator: Donald Ward Ltd Waste Management licence No: 42158 Annual Tonnage: 5000	Issue Date: 17/09/1991 Effective Date: - Modified:: 23/03/2006 Surrendered Date: - Expiry Date: - Cancelled Date: - Status: Modified
B	219m W	Site Name: Rawdon Works Site Address: Rawdon Works, Moria Road, Woodville, Swadlincote, Derbyshire, DE11 8DG Correspondence Address: -	Type of Site: Metal Recycling Site (mixed MRS's) Size: >= 75000 tonnes Environmental Permitting Regulations (Waste) Licence Number: DON001 EPR reference: EA/EPR/VP3296FK/V002 Operator: Donald Ward Ltd Waste Management licence No: 42157 Annual Tonnage: 262775	Issue Date: 08/04/1992 Effective Date: - Modified:: 21/03/2012 Surrendered Date: - Expiry Date: - Cancelled Date: - Status: Modified

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

3.7 Waste exemptions

Records within 500m	10
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Activities involving the storage, treatment, use or disposal of waste that are exempt from needing a permit. Exemptions have specific limits and conditions that must be adhered to.

Features are displayed on the Waste and landfill map on **page 53**

ID	Location	Site	Reference	Category	Sub-Category	Description
A	94m SW	UNIT 1, 42, HIGH STREET, WOODVILLE, SWADLINCOTE, DE11 7EA	WEX071821	Treating waste exemption	Not on a farm	Sorting and de-naturing of controlled drugs for disposal
A	95m SW	Unit 1, 42 High Street Swadlincote Derbyshire DE11 7EA	EPR/KE5484N K/A001	Treating waste exemption	Non- Agricultural Waste Only	Sorting and de-naturing of controlled drugs for disposal

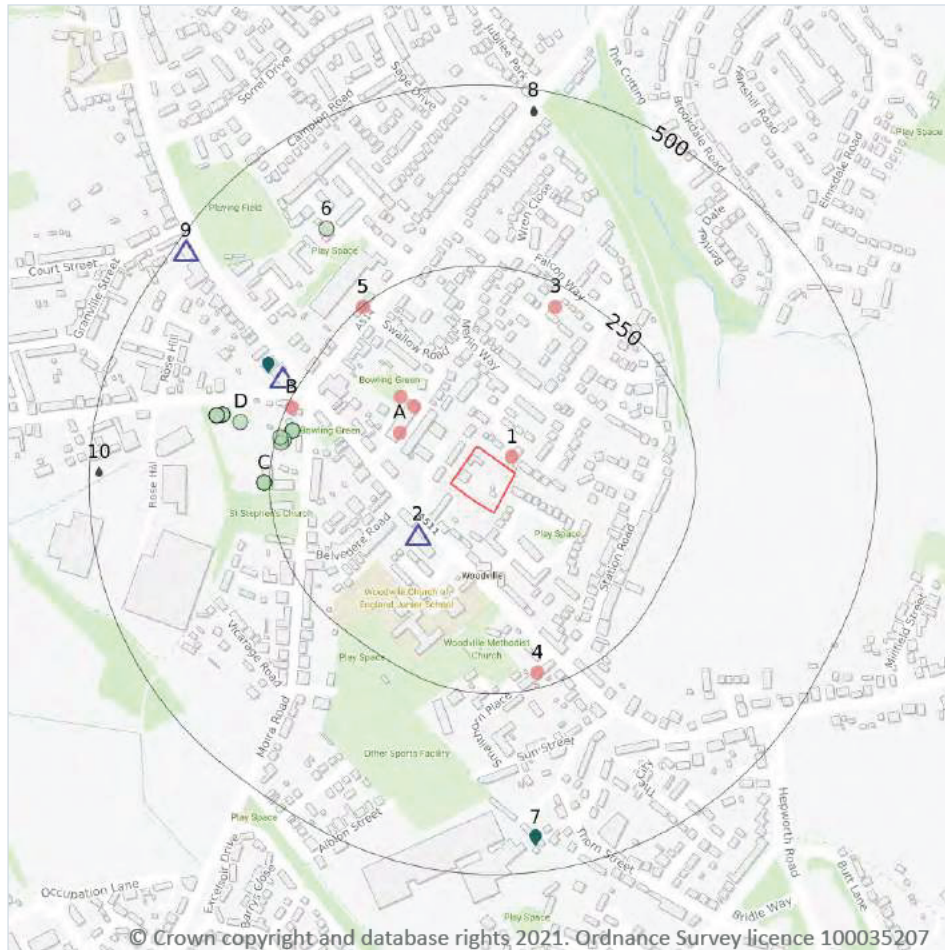


ID	Location	Site	Reference	Category	Sub-Category	Description
A	95m SW	Unit 1, 42 High Street Swadlincote Derbyshire DE11 7EA	EPR/PE5686NY /A001	Treating waste exemption	Non- Agricultural Waste Only	Sorting and de-naturing of controlled drugs for disposal
B	189m W	MOIRA ROAD, WOODVILLE, SWADLINCOTE, DE11 8DG	WEX100050	Storing waste exemption	Not on a farm	Storage of waste in a secure place
C	304m NW	BLUEBERRY WORX, BLUEBERRY WAY, WOODVILLE, SWADLINCOTE, DE11 7GX	WEX250714	Treating waste exemption	Not on a farm	Sorting and de-naturing of controlled drugs for disposal
C	304m NW	BLUEBERRY WORX, BLUEBERRY WAY, WOODVILLE, SWADLINCOTE, DE11 7GX	WEX106544	Treating waste exemption	Not on a farm	Sorting and de-naturing of controlled drugs for disposal
1	355m NW	3, SWADLINCOTE ROAD, WOODVILLE, SWADLINCOTE, DE11 8DE	WEX166225	Disposing of waste exemption	Not on a farm	Burning waste in the open
3	448m NW	Rosehill Swadlincote DE11 8DF	EPR/HE5043EX /A001	Using waste exemption	Non- Agricultural Waste Only	Use of waste in construction
D	461m NW	73, BURTON ROAD, WOODVILLE, SWADLINCOTE, DE11 7JE	WEX216740	Treating waste exemption	Not on a farm	Sorting and de-naturing of controlled drugs for disposal
D	461m NW	73, BURTON ROAD, WOODVILLE, SWADLINCOTE, DE11 7JE	WEX152580	Treating waste exemption	Not on a farm	Sorting and de-naturing of controlled drugs for disposal

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



4 Current industrial land use



- Site Outline
- Search buffers in metres (m)
- Recent industrial land uses
- ▲ Current or recent petrol stations
- Licensed pollutant release (Part A(2)/B)
- Licensed Discharges to controlled waters
- Pollution Incidents (EA/NRW)

4.1 Recent industrial land uses

Records within 250m

8

Current potentially contaminative industrial sites.

Features are displayed on the Current industrial land use map on page 58

ID	Location	Company	Address	Activity	Category
1	16m NE	Midlands Pest Control	19, Plover Avenue, Woodville, Swadlincote, Derbyshire, DE11 7QF	Pesticides	Industrial Products
A	98m NW	Viking Tyre & Service Centre Ltd	Unit 1 Viking Business Centre, High Street, Woodville, Swadlincote, Derbyshire, DE11 7EH	Vehicle Repair, Testing and Servicing	Repair and Servicing



ID	Location	Company	Address	Activity	Category
A	103m NW	Enhanced Protection Systems UK Ltd	Unit 6 Viking Business Centre, High Street, Woodville, Swadlincote, Derbyshire, DE11 7EH	Arms and Ammunition	Industrial Products
A	125m NW	Viking Business Centre	Derbyshire, DE11	Business Parks and Industrial Estates	Industrial Features
3	221m NE	Electricity Sub Station	Derbyshire, DE11	Electrical Features	Infrastructure and Facilities
4	229m S	Riders Group Ltd	114-116, High Street, Woodville, Swadlincote, Derbyshire, DE11 7DU	New Vehicles	Motoring
B	244m NW	Kwik-Fit (GB) Limited	Moirs Road, Woodville, Swadlincote, Derbyshire, DE11 8DG	Vehicle Repair, Testing and Servicing	Repair and Servicing
5	249m NW	Greenbank Terotech	Hartshorne Road, Woodville, Swadlincote, Derbyshire, DE11 7GT	General Construction Supplies	Industrial Products

This data is sourced from Ordnance Survey.

4.2 Current or recent petrol stations

Records within 500m	3
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Open, closed, under development and obsolete petrol stations.

Features are displayed on the Current industrial land use map on **page 58**

ID	Location	Company	Address	LPG	Status
2	84m SW	OBSOLETE	High Street, Woodville, Swadlincote, Derbyshire, DE11 7EA	Not Applicable	Obsolete
B	276m NW	ASDA	Burton Road, Swadlingate Road, Woodville, Swadlincote, Derbyshire, DE11 7JE	No	Open
9	484m NW	OBSOLETE	Burton Road, Woodville, Swadlincote, Derbyshire, DE11 7JE	Not Applicable	Obsolete

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

2

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 58**

ID	Location	Address	Details	
B	300m NW	Asda Stores Ltd, Woodville Service Station, 27 Burton Road, Woodville, Derbyshire, DE11 7JE	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	452m S	Montracon Limited, Sun Street, Woodville, Derbyshire, DE11 7DR	Process: Respraying of Road Vehicles 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

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

2

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 58](#)

ID	Location	Address	Details	
8	470m N	HOUSING ESTATE OF WOODVILLE RD -SWS, WOODVILLE ROAD, WOODVILLE	Effluent Type: SEWAGE DISCHARGES - SEWER STORM OVERFLOW - WATER COMPANY Permit Number: T/36/01797/O Permit Version: 1 Receiving Water: RIVER TRENT (NON TIDAL TRIB)	Status: REVOKED (WRA 91, S88 & SCHED 10 AS AMENDED BY ENV ACT 1995) Issue date: 10/11/1966 Effective Date: 10/11/1966 Revocation Date: 02/04/2000
10	486m W	WOODVILLE CITY AREA, NEAR ASHBY-DE-LA-ZOUCH	Effluent Type: SEWAGE DISCHARGES - SEWER STORM OVERFLOW - WATER COMPANY Permit Number: T/24/01801/O Permit Version: 1 Receiving Water: HOOBOROUGH BROOK	Status: REVOKED (WRA 91, S88 & SCHED 10 AS AMENDED BY ENV ACT 1995) Issue date: 18/11/1966 Effective Date: 18/11/1966 Revocation Date: 27/03/2000

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

4.14 Pollutant release to surface waters (Red List)

Records within 500m

0

Discharges of specified substances under the Environmental Protection (Prescribed Processes and Substances) Regulations 1991.

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



4.15 Pollutant release to public sewer

Records within 500m

0

Discharges of Special Category Effluents to the public sewer.

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

4.16 List 1 Dangerous Substances

Records within 500m

0

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

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

4.17 List 2 Dangerous Substances

Records within 500m

0

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

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

4.18 Pollution Incidents (EA/NRW)

Records within 500m

19

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 58**

ID	Location	Details	
B	231m W	Incident Date: 10/07/2002 Incident Identification: 96850 Pollutant: Specific Waste Materials:Specific Waste Materials Pollutant Description: Organic Chemical Wastes:Other Specific Waste Material	Water Impact: Category 4 (No Impact) Land Impact: Category 4 (No Impact) Air Impact: Category 4 (No Impact)
B	231m W	Incident Date: 10/07/2002 Incident Identification: 96850 Pollutant: Specific Waste Materials Pollutant Description: Organic Chemical Wastes	Water Impact: Category 4 (No Impact) Land Impact: Category 4 (No Impact) Air Impact: Category 4 (No Impact)

ID	Location	Details	
B	231m W	Incident Date: 10/07/2002 Incident Identification: 96850 Pollutant: Specific Waste Materials Pollutant Description: Other Specific Waste Material	Water Impact: Category 4 (No Impact) Land Impact: Category 4 (No Impact) Air Impact: Category 4 (No Impact)
B	239m W	Incident Date: 18/09/2002 Incident Identification: 109080 Pollutant: Specific Waste Materials Pollutant Description: Asbestos	Water Impact: Category 4 (No Impact) Land Impact: Category 4 (No Impact) Air Impact: Category 4 (No Impact)
B	240m W	Incident Date: 30/05/2002 Incident Identification: 82020 Pollutant: Atmospheric Pollutants and Effects Pollutant Description: Smoke	Water Impact: Category 4 (No Impact) Land Impact: Category 4 (No Impact) Air Impact: Category 3 (Minor)
B	244m W	Incident Date: 12/07/2002 Incident Identification: 91166 Pollutant: Atmospheric Pollutants and Effects Pollutant Description: Smoke	Water Impact: Category 4 (No Impact) Land Impact: Category 3 (Minor) Air Impact: Category 3 (Minor)
C	258m W	Incident Date: 24/03/2003 Incident Identification: 147651 Pollutant: Atmospheric Pollutants and Effects:Specific Waste Materials Pollutant Description: Smoke:Metal Wastes	Water Impact: Category 4 (No Impact) Land Impact: Category 3 (Minor) Air Impact: Category 3 (Minor)
C	258m W	Incident Date: 24/03/2003 Incident Identification: 147651 Pollutant: Atmospheric Pollutants and Effects Pollutant Description: Smoke	Water Impact: Category 4 (No Impact) Land Impact: Category 3 (Minor) Air Impact: Category 3 (Minor)
C	258m W	Incident Date: 24/03/2003 Incident Identification: 147651 Pollutant: Specific Waste Materials Pollutant Description: Metal Wastes	Water Impact: Category 4 (No Impact) Land Impact: Category 3 (Minor) Air Impact: Category 3 (Minor)
D	302m W	Incident Date: 23/07/2002 Incident Identification: 96838 Pollutant: Oils and Fuel Pollutant Description: Mixed/Waste Oils	Water Impact: Category 4 (No Impact) Land Impact: Category 3 (Minor) Air Impact: Category 4 (No Impact)
D	330m W	Incident Date: 23/12/2002 Incident Identification: 127573 Pollutant: Atmospheric Pollutants and Effects:Specific Waste Materials:Specific Waste Materials Pollutant Description: Other Atmospheric Pollutant or Effect:Commercial Waste:Household Waste	Water Impact: Category 4 (No Impact) Land Impact: Category 3 (Minor) Air Impact: Category 3 (Minor)
D	330m W	Incident Date: 23/12/2002 Incident Identification: 127573 Pollutant: Specific Waste Materials Pollutant Description: Household Waste	Water Impact: Category 4 (No Impact) Land Impact: Category 3 (Minor) Air Impact: Category 3 (Minor)

ID	Location	Details	
D	330m W	Incident Date: 23/12/2002 Incident Identification: 127573 Pollutant: Specific Waste Materials Pollutant Description: Commercial Waste	Water Impact: Category 4 (No Impact) Land Impact: Category 3 (Minor) Air Impact: Category 3 (Minor)
D	330m W	Incident Date: 23/12/2002 Incident Identification: 127573 Pollutant: Atmospheric Pollutants and Effects Pollutant Description: Other Atmospheric Pollutant or Effect	Water Impact: Category 4 (No Impact) Land Impact: Category 3 (Minor) Air Impact: Category 3 (Minor)
D	336m W	Incident Date: 07/10/2002 Incident Identification: 113191 Pollutant: Atmospheric Pollutants and Effects:Atmospheric Pollutants and Effects Pollutant Description: Dust:Smoke:Other Atmospheric Pollutant or Effect	Water Impact: Category 4 (No Impact) Land Impact: Category 4 (No Impact) Air Impact: Category 3 (Minor)
D	336m W	Incident Date: 07/10/2002 Incident Identification: 113191 Pollutant: Atmospheric Pollutants and Effects Pollutant Description: Smoke	Water Impact: Category 4 (No Impact) Land Impact: Category 4 (No Impact) Air Impact: Category 3 (Minor)
D	336m W	Incident Date: 07/10/2002 Incident Identification: 113191 Pollutant: Atmospheric Pollutants and Effects Pollutant Description: Other Atmospheric Pollutant or Effect	Water Impact: Category 4 (No Impact) Land Impact: Category 4 (No Impact) Air Impact: Category 3 (Minor)
D	336m W	Incident Date: 07/10/2002 Incident Identification: 113191 Pollutant: Atmospheric Pollutants and Effects Pollutant Description: Dust	Water Impact: Category 4 (No Impact) Land Impact: Category 4 (No Impact) Air Impact: Category 3 (Minor)
6	365m NW	Incident Date: 29/03/2003 Incident Identification: 147041 Pollutant: Other Pollutant Pollutant Description: Other	Water Impact: Category 4 (No Impact) Land Impact: Category 4 (No Impact) Air Impact: Category 3 (Minor)

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

4.19 Pollution inventory substances

Records within 500m

0

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

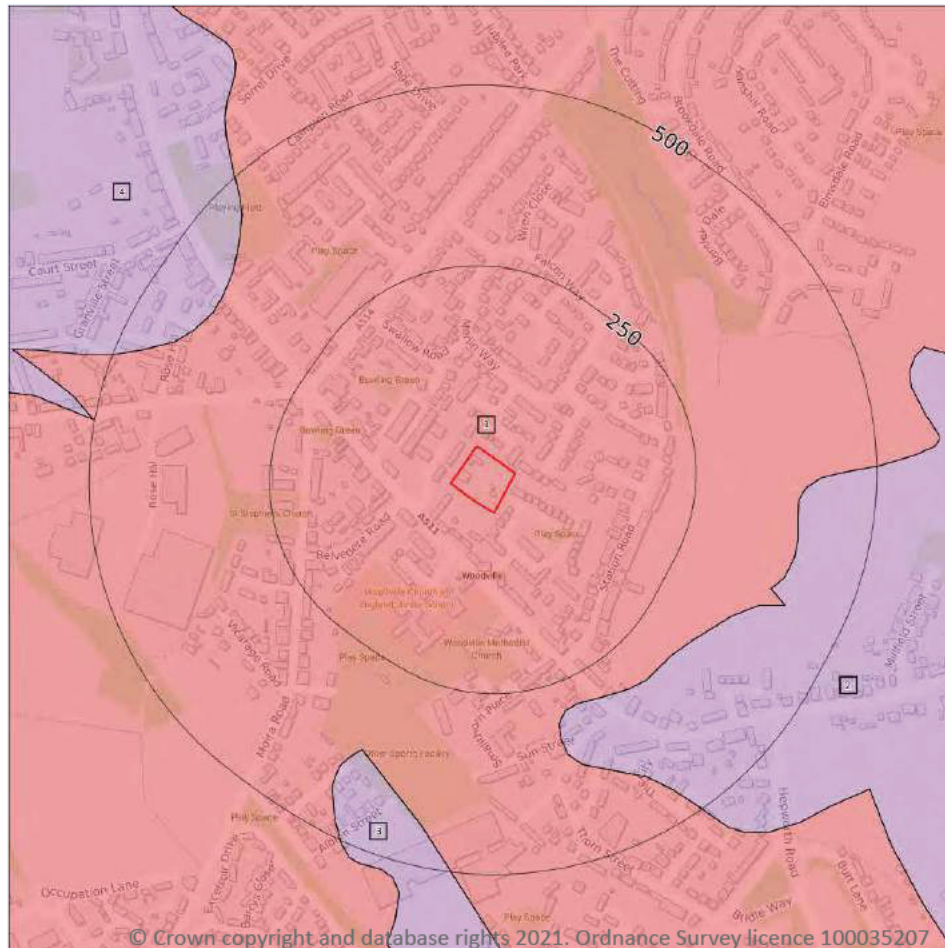
0

Aquifer status of groundwater held within superficial geology.

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



Bedrock aquifer



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

5.2 Bedrock aquifer

Records within 500m

4

Aquifer status of groundwater held within bedrock geology.

Features are displayed on the Bedrock aquifer map on page 68

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	288m SE	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

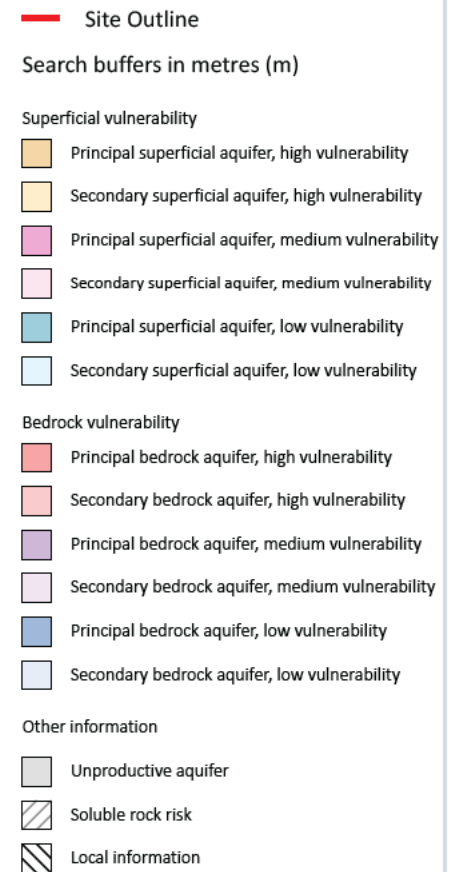
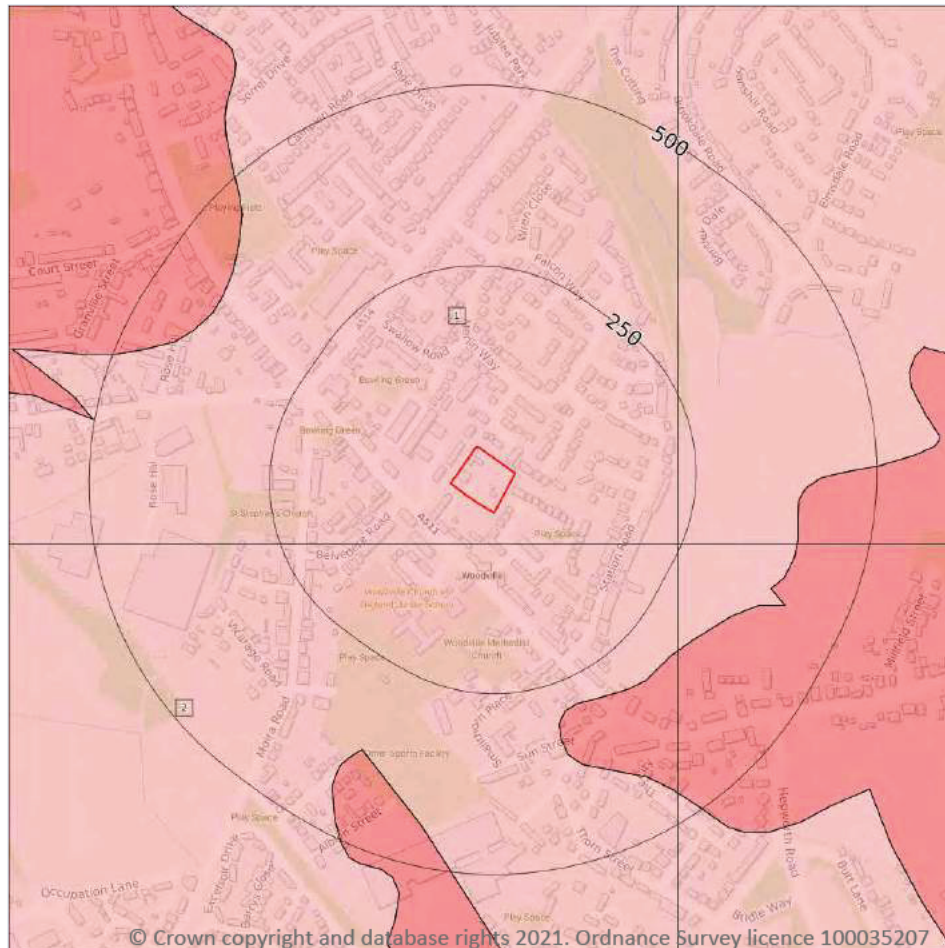


ID	Location	Designation	Description
3	374m SW	Principal	Geology of high intergranular and/or fracture permeability, usually providing a high level of water storage and may support water supply/river base flow on a strategic scale. Generally principal aquifers were previously major aquifers
4	405m NW	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

2

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 70**

ID	Location	Summary	Soil / surface	Superficial geology	Bedrock geology
1	On site	Summary Classification: Secondary bedrock aquifer - High Vulnerability Combined classification: Productive Bedrock Aquifer, No Superficial Aquifer	Leaching class: Low Infiltration value: <40% Dilution value: <300mm/year	Vulnerability: - Aquifer type: - Thickness: <3m Patchiness value: <90% Recharge potential: No Data	Vulnerability: High Aquifer type: Secondary Flow mechanism: Well connected fractures
2	43m S	Summary Classification: Secondary bedrock aquifer - High Vulnerability Combined classification: Productive Bedrock Aquifer, No Superficial Aquifer	Leaching class: Low Infiltration value: <40% Dilution value: <300mm/year	Vulnerability: - Aquifer type: - Thickness: <3m Patchiness value: <90% Recharge potential: No Data	Vulnerability: High Aquifer type: Secondary Flow mechanism: Well connected fractures

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

5.4 Groundwater vulnerability- soluble rock risk

Records on site

0

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

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

5.5 Groundwater vulnerability- local information

Records on site

0

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.



The map shows a residential area with a red square highlighting a specific location. Two concentric circles are drawn around this square, with radii of 250m and 500m. The map includes various streets, green spaces, and landmarks. Key features include:

- Streets:** Court Street, Granville Street, Rose Hill, Marriage Road, Morris Road, Alton Street, Occupation Lane, Excelsior Drive, Barrow Close, Swallow Road, Falcon Way, Wren Close, The Canning, Brookside Road, Walsley Road, Elmwood Road, Dale, Bakers, Woodville Road, Station Road, Sun Street, Tom Street, Hapworth Road, and Bird Lane.
- Green Spaces:** Playing Field, Play Space, Bowling Green, Woodville Church, Woodville Methodist Church, and Other Sports Facility.
- Landmarks:** St Stephen's Church, Woodville Church, and England Junior School.
- Other Features:** A red square highlighting a specific area, and two concentric circles with radii of 250m and 500m.

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

 Contact us with any questions at: info@groundsure.com **Date:** 6 January 2021

ID	Location	Details	
-	967m W	Status: Historical Licence No: 03/28/24/0085 Details: Process water Direct Source: Groundwater Midlands Region Point: LAGOON OFF WOODHOUSE STREET,WOODVILLE Data Type: Point Name: MIDLAND LEAD MANUFACTURERS Easting: 430740 Northing: 318880	Annual Volume (m ³): - Max Daily Volume (m ³): - Original Application No: - Original Start Date: 28/05/1980 Expiry Date: - Issue No: 100 Version Start Date: 21/06/1994 Version End Date: -

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

5.7 Surface water abstractions

Records within 2000m	1
----------------------	---

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

Features are displayed on the Abstractions and Source Protection Zones map on **page 72**

ID	Location	Details	
-	1236m N	Status: Historical Licence No: 03/28/36/0135 Details: Spray Irrigation - Direct Direct Source: Surface Water Midlands Region Point: BROOMY FARM - UNNAMED WATERCOURSE Data Type: Point Name: IKIN Easting: 431790 Northing: 320370	Annual Volume (m ³): 9246.56 Max Daily Volume (m ³): 227 Original Application No: - Original Start Date: 12/08/1980 Expiry Date: - Issue No: 100 Version Start Date: 20/07/1992 Version End Date: -

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

5.8 Potable abstractions

Records within 2000m	0
----------------------	---

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

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



5.9 Source Protection Zones

Records within 500m

0

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

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

5.10 Source Protection Zones (confined aquifer)

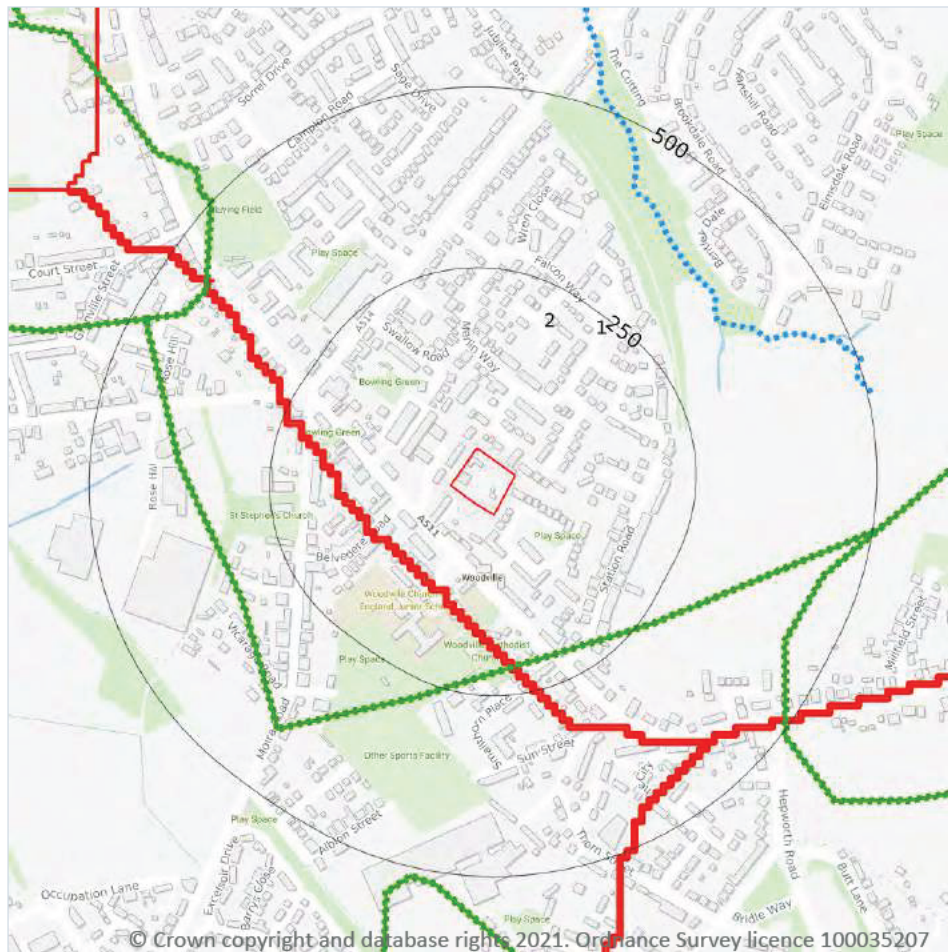
Records within 500m

0

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

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

6 Hydrology



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

6.1 Water Network (OS MasterMap)

Records within 250m

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 75**

ID	Location	Type	Water body catchment	Water body ID	Operational catchment	Management catchment
1	On site	River WB catchment	Repton Brook Catchment (trib of Trent)	GB104028047390	Trent River	Lower Trent and Erewash

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 75**

ID	Location	Type	Name	Water body ID	Overall rating	Chemical rating	Ecological rating	Year
6	352m NE	River	Repton Brook Catchment (trib of Trent)	GB104028047390	Poor	Good	Poor	2016

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 75**

ID	Location	Name	Water body ID	Overall rating	Chemical rating	Quantitative	Year
2	On site	Lower Trent Erewash - Secondary Combined	<u>GB40402G990300</u>	Poor	Poor	Good	2015

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 Sea (RoFRaS)

Records within 50m

0

The chance of flooding from rivers and/or the sea in any given year, based on cells of 50m. Each cell is allocated one of four flood risk categories, taking into account flood defences and their condition; 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).

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
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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.

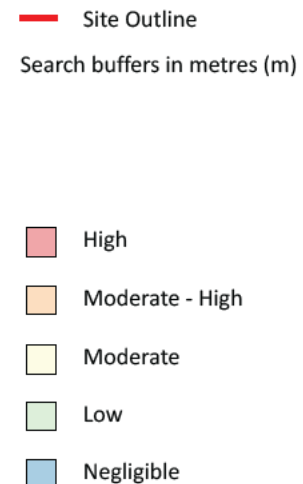
The data shown on the map and in the table above shows the highest likelihood of flood events happening at the site. Lower likelihood events may have greater flood depths and hence a greater potential impact on a site. The table below shows the maximum flood depths for a range of return periods for the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

Negligible

Highest risk within 50m

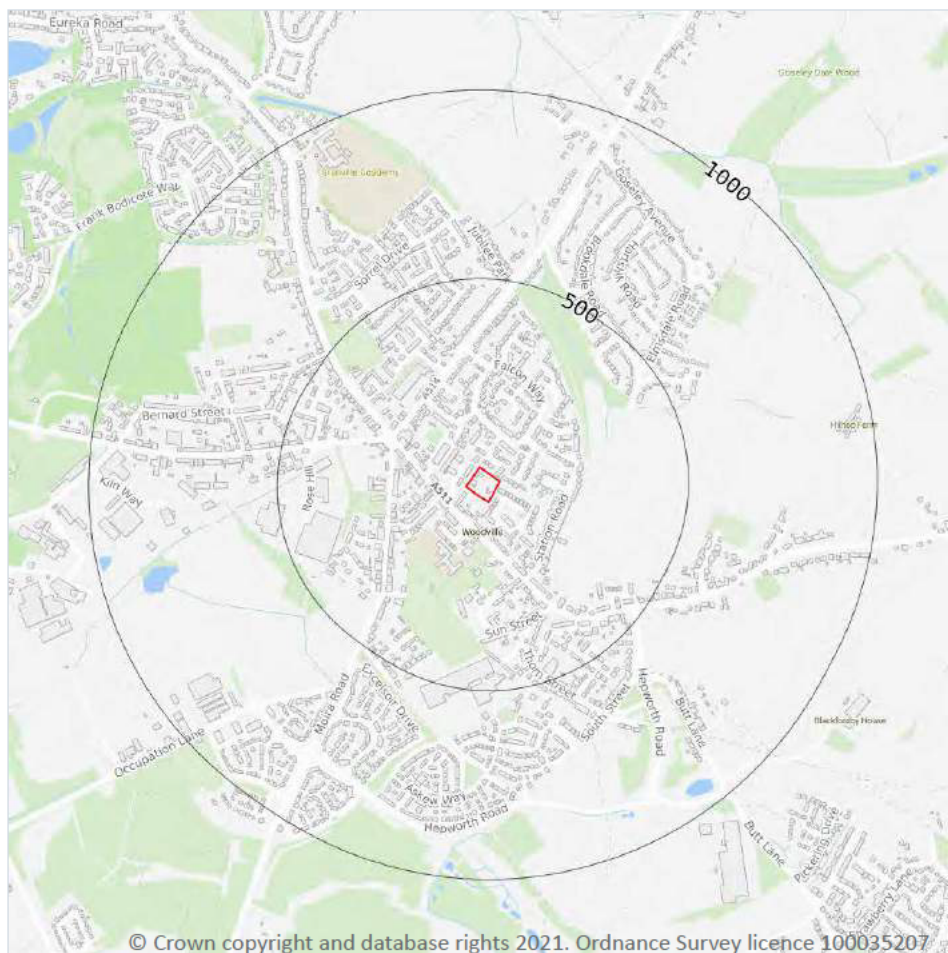
Negligible

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 82**

This data is sourced from Ambienta Risk Analytics.

10 Environmental designations



- Site Outline
- Search buffers in metres (m)
- Designated Ancient Woodland

10.1 Sites of Special Scientific Interest (SSSI)

Records within 2000m

0

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

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

10.2 Conserved wetland sites (Ramsar sites)

Records within 2000m

0

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

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

10.3 Special Areas of Conservation (SAC)

Records within 2000m

0

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

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

10.4 Special Protection Areas (SPA)

Records within 2000m

0

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

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

10.5 National Nature Reserves (NNR)

Records within 2000m

0

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

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

10.6 Local Nature Reserves (LNR)

Records within 2000m

0

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

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

10.7 Designated Ancient Woodland

Records within 2000m

1

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

Features are displayed on the Environmental designations map on **page 83**

ID	Location	Name	Woodland Type
-	1977m NE	Unknown	Ancient & Semi-Natural Woodland

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

10.8 Biosphere Reserves

Records within 2000m

0

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

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

10.9 Forest Parks

Records within 2000m

0

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

This data is sourced from the Forestry Commission.

10.10 Marine Conservation Zones

Records within 2000m

0

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

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

10.11 Green Belt

Records within 2000m

0

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

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

10.12 Proposed Ramsar sites

Records within 2000m

0

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

This data is sourced from Natural England.

10.13 Possible Special Areas of Conservation (pSAC)

Records within 2000m

0

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

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

10.14 Potential Special Protection Areas (pSPA)

Records within 2000m

0

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

This data is sourced from Natural England.



10.15 Nitrate Sensitive Areas

Records within 2000m**0**

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

This data is sourced from Natural England.

10.16 Nitrate Vulnerable Zones

Records within 2000m**2**

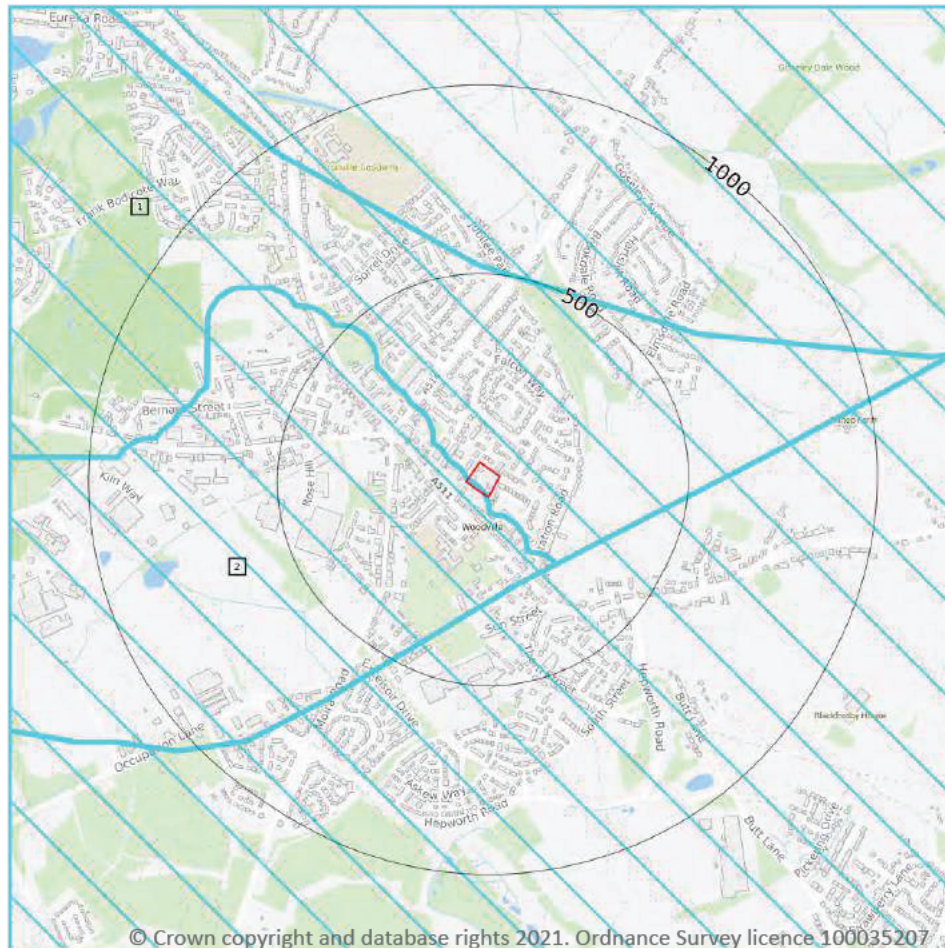
Areas at risk from agricultural nitrate pollution designated under the EC Nitrate Directive (91/676/EEC). These are areas of land that drain into waters polluted by nitrates. Farmers operating within these areas have to follow mandatory rules to tackle nitrate loss from agriculture.

Location	Name	Type	NVZ ID	Status
On site	Burton	Groundwater	G34	Existing
89m W	River Trent (source to confluence with Derwent)	Surface Water	S308	Changed

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



SSSI Impact Zones and Units



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

10.17 SSSI Impact Risk Zones

Records on site

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 88**

ID	Location	Type of developments requiring consultation
1	On site	Infrastructure - Airports, helipads and other aviation proposals. Minerals, Oil and Gas - Oil & gas exploration/extraction. Air pollution - Livestock & poultry units with floorspace > 500m², slurry lagoons > 750m² & manure stores > 3500t. Combustion - General combustion processes >50MW energy input. Incl: energy from waste incineration, other incineration, landfill gas generation plant, pyrolysis/gasification, anaerobic digestion, sewage treatment works, other incineration/ combustion
2	On site	Infrastructure - Airports, helipads and other aviation proposals. Minerals, Oil and Gas - Oil & gas exploration/extraction. Air pollution - Livestock & poultry units with floorspace > 500m², slurry lagoons > 750m² & manure stores > 3500t. Combustion - General combustion processes >50MW energy input. Incl: energy from waste incineration, other incineration, landfill gas generation plant, pyrolysis/gasification, anaerobic digestion, sewage treatment works, other incineration/ combustion Discharges - Any discharge of water or liquid waste of more than 20m³/day to ground (ie to seep away) or to surface water, such as a beck or stream (NB This does not include discharges to mains sewer which are unlikely to pose a risk at this location)

This data is sourced from Natural England.

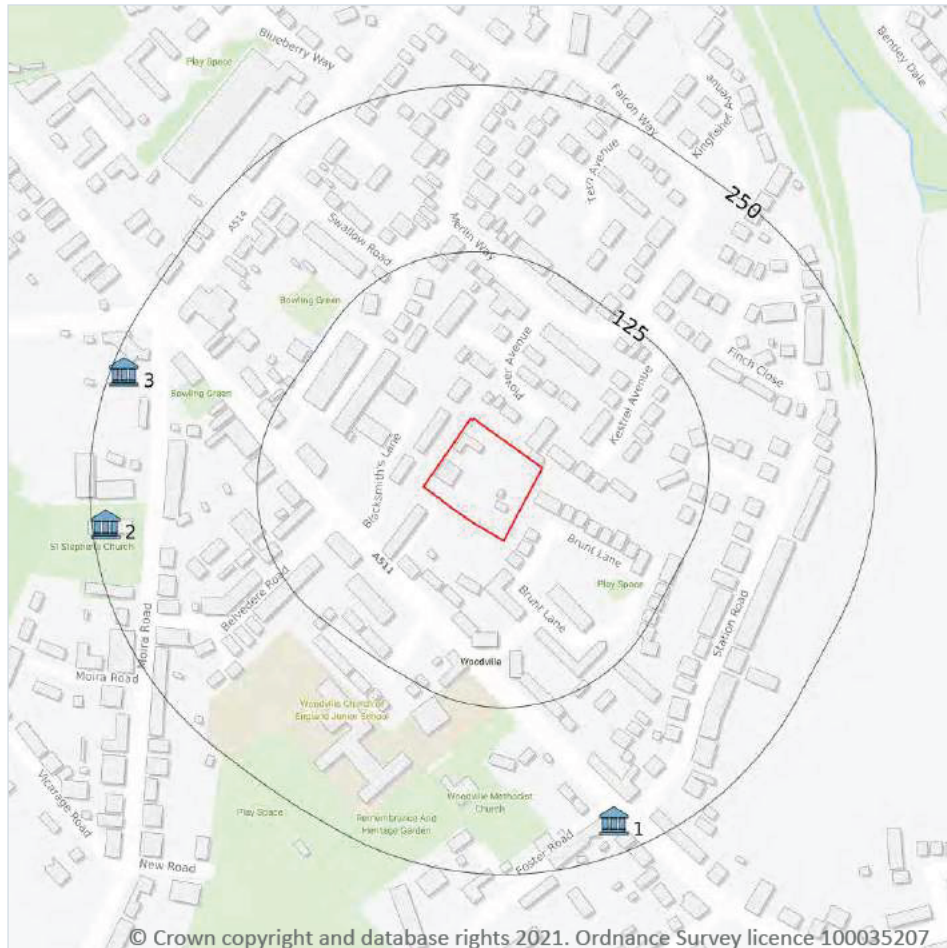
10.18 SSSI Units

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

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

11 Visual and cultural designations



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

11.1 World Heritage Sites

Records within 250m

0

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

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

11.2 Area of Outstanding Natural Beauty

Records within 250m

0

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

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

11.3 National Parks

Records within 250m

0

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

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

11.4 Listed Buildings

Records within 250m

3

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

Features are displayed on the Visual and cultural designations map on [page 90](#)

ID	Location	Name	Grade	Reference Number	Listed date
1	226m S	Kiln And Buildings At Former Escolme Pottery, Woodville, South Derbyshire, Derbyshire, DE11	II	1413156	21/02/2005
2	240m W	The Church Of St Stephen, Woodville, South Derbyshire, Derbyshire, DE11	II	1261993	04/11/1991
3	240m W	Bottle Kiln, Woodville, South Derbyshire, Derbyshire, DE11	II	1096446	29/10/1974

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

11.7 Registered Parks and Gardens

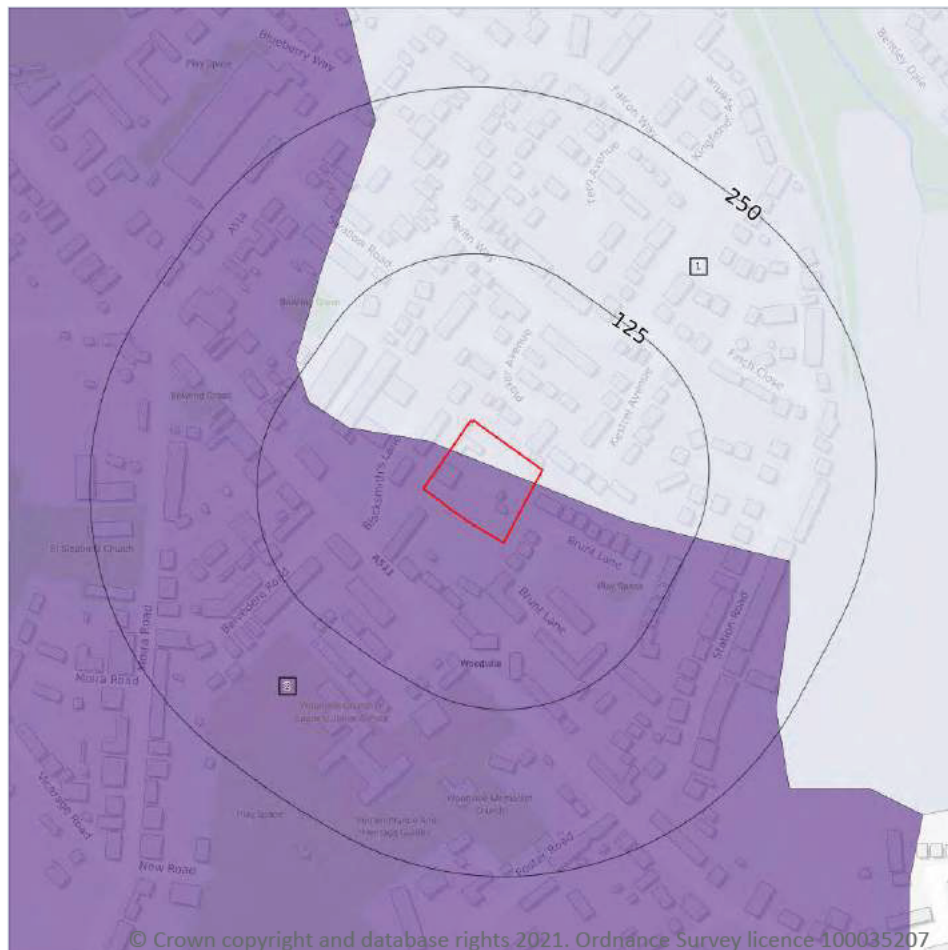
Records within 250m

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 English Heritage, Cadw and Historic Environment Scotland.

12 Agricultural designations



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

12.1 Agricultural Land Classification

Records within 250m

2

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

Features are displayed on the Agricultural designations map on page 93

ID	Location	Classification	Description
1	On site	Grade 4	Poor quality agricultural land. Land with severe limitations which significantly restrict the range of crops and/or level of yields. It is mainly suited to grass with occasional arable crops (e.g. cereals and forage crops) the yields of which are variable. In moist climates, yields of grass may be moderate to high but there may be difficulties in utilisation. The grade also includes very droughty arable land.

ID	Location	Classification	Description
2	On site	Urban	-

This data is sourced from Natural England.

12.2 Open Access Land

Records within 250m	0
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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
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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.

This data is sourced from Natural England.

12.5 Countryside Stewardship Schemes

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

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

This data is sourced from Natural England.

13 Habitat designations



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

13.1 Priority Habitat Inventory

Records within 250m

3

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

Features are displayed on the Habitat designations map on page 95

ID	Location	Main Habitat	Other habitats
1	220m E	Deciduous woodland	Main habitat: DWOOD (INV > 50%)
A	235m E	Deciduous woodland	Main habitat: DWOOD (INV > 50%)
A	242m E	Deciduous woodland	Main habitat: DWOOD (INV > 50%)

This data is sourced from Natural England.



13.2 Habitat Networks

Records within 250m

0

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

This data is sourced from Natural England.

13.3 Open Mosaic Habitat

Records within 250m

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

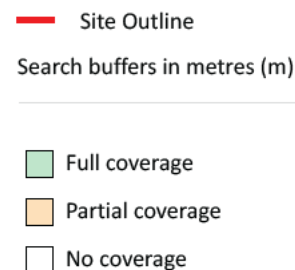
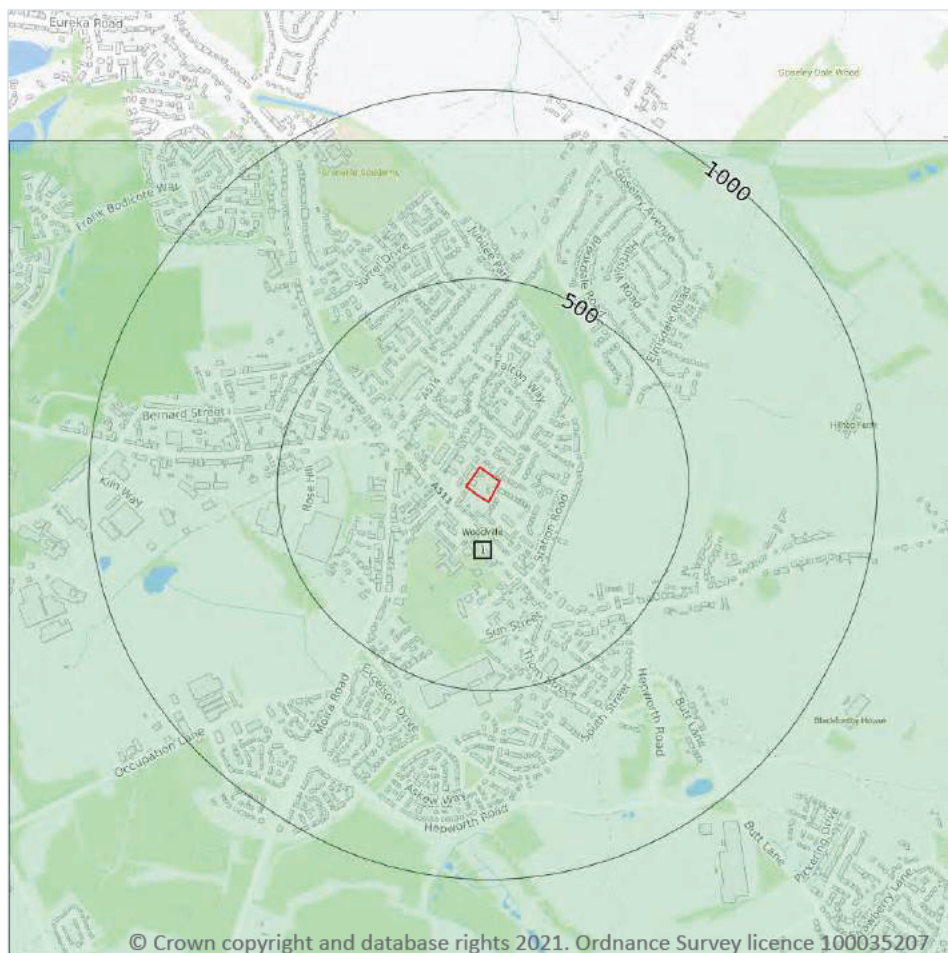
Records within 250m

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



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.

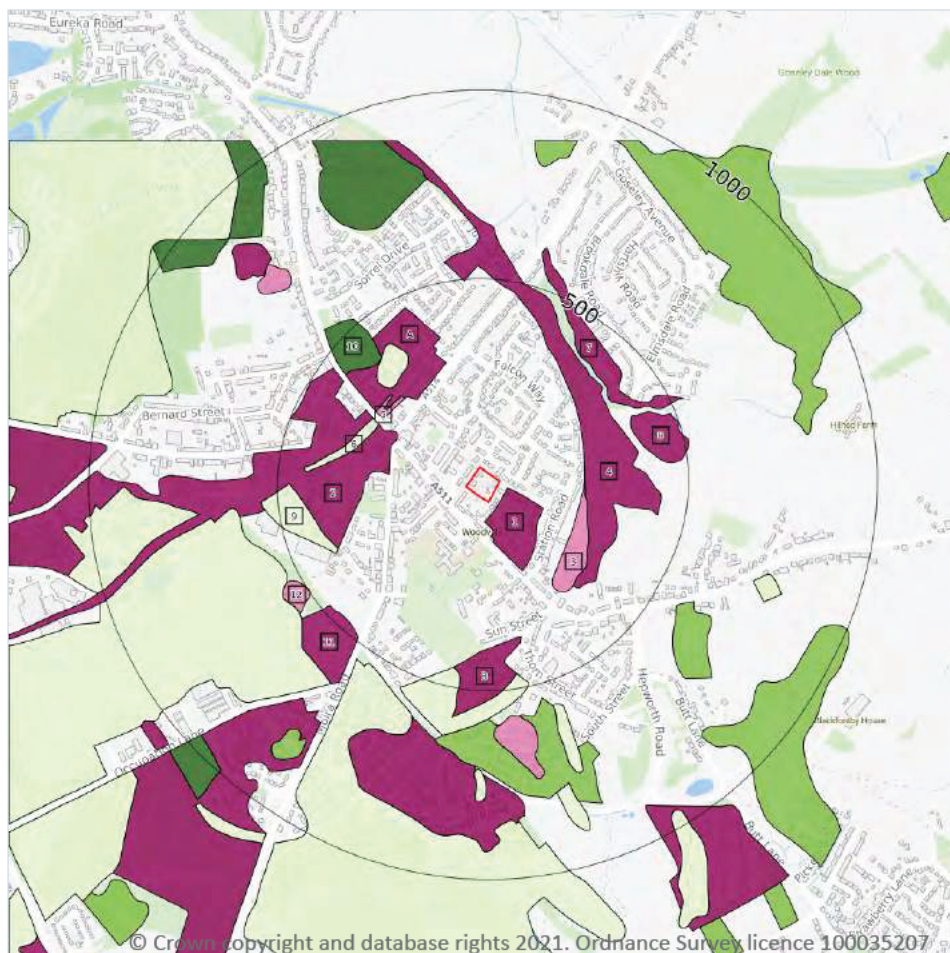
Features are displayed on the Geology 1:10,000 scale - Availability map on [page 97](#)

ID	Location	Artificial	Superficial	Bedrock	Mass movement	Sheet No.
1	On site	Full	Full	Full	No coverage	SK31NW

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

16

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 98](#)

ID	Location	LEX Code	Description	Rock description
1	25m SE	MGR-ARTDP	Made Ground (Undivided)	Artificial Deposit
2	207m W	MGR-ARTDP	Made Ground (Undivided)	Artificial Deposit
3	220m E	WGR-VOID	Worked Ground (Undivided)	Void
4	226m E	MGR-ARTDP	Made Ground (Undivided)	Artificial Deposit

ID	Location	LEX Code	Description	Rock description
A	245m NW	MGR-ARTDP	Made Ground (Undivided)	Artificial Deposit
5	269m NW	WGR-VOID	Worked Ground (Undivided)	Void
6	283m NW	WMGR-ARTDP	Infilled Ground	Artificial Deposit
A	312m NW	WMGR-ARTDP	Infilled Ground	Artificial Deposit
7	362m NE	MGR-ARTDP	Made Ground (Undivided)	Artificial Deposit
B	366m S	MGR-ARTDP	Made Ground (Undivided)	Artificial Deposit
8	376m NE	MGR-ARTDP	Made Ground (Undivided)	Artificial Deposit
9	376m SW	WMGR-ARTDP	Infilled Ground	Artificial Deposit
10	386m NW	LSGR-UNKNOWN	Landscaped Ground (Undivided)	Unknown/unclassified Entry
B	447m S	WMGR-ARTDP	Infilled Ground	Artificial Deposit
11	472m SW	MGR-ARTDP	Made Ground (Undivided)	Artificial Deposit
12	498m SW	WGR-VOID	Worked Ground (Undivided)	Void

This data is sourced from the British Geological Survey.

Geology 1:10,000 scale - Superficial

14.3 Superficial geology (10k)

Records within 500m

0

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

This data is sourced from the British Geological Survey.

14.4 Landslip (10k)

Records within 500m

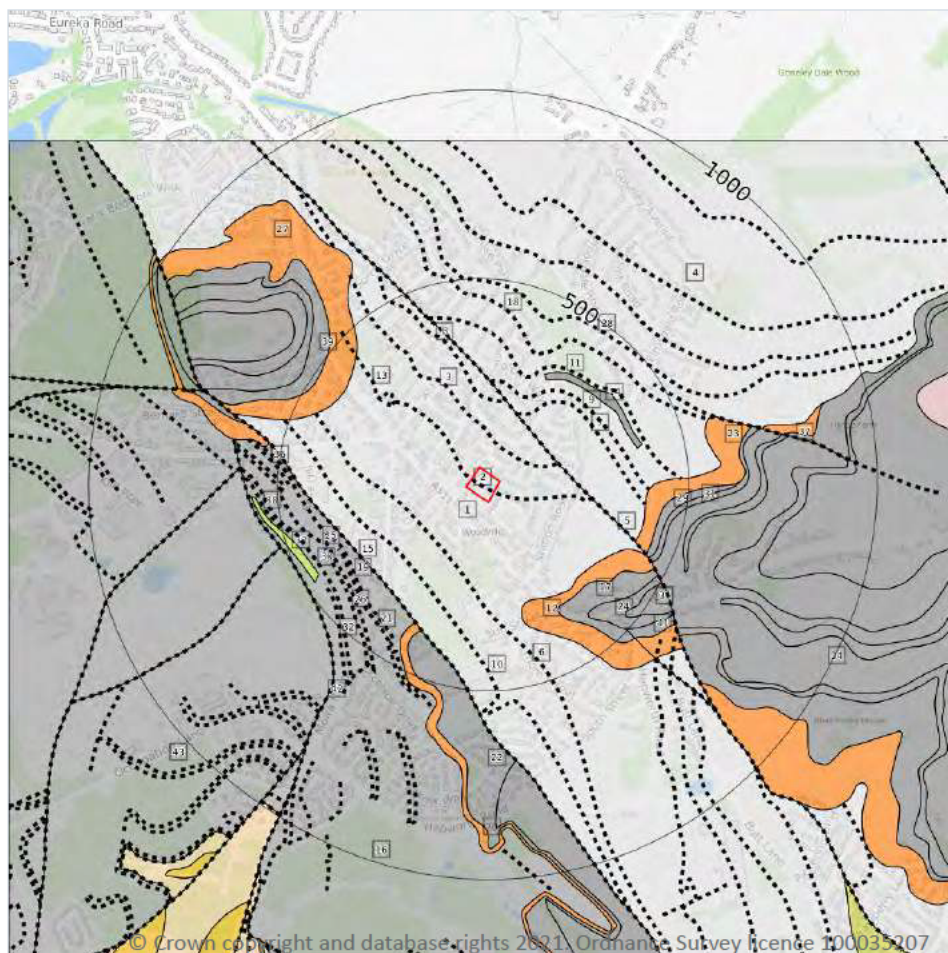
0

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

This data is sourced from the British Geological Survey.



Geology 1:10,000 scale - Bedrock



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

19

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 101](#)

ID	Location	LEX Code	Description	Rock age
1	On site	PLCM-MDSS	Pennine Lower Coal Measures Formation - Mudstone, Siltstone And Sandstone	Langsettian Sub-age
4	148m NE	PLCM-MDSS	Pennine Lower Coal Measures Formation - Mudstone, Siltstone And Sandstone	Langsettian Sub-age



ID	Location	LEX Code	Description	Rock age
12	282m S	MOI-BREC	Moira Formation - Breccia	Anisian Age - Late Permian Epoch [Obsolete name]
14	291m NE	BMS-SDST	Bromsgrove Sandstone Formation - Sandstone	Anisian Age - Early Triassic Epoch
16	331m SW	PMCM-MDSS	Pennine Middle Coal Measures Formation - Mudstone, Siltstone And Sandstone	Bolsovian Sub-age - Duckmantian Sub-age
17	334m SE	BMS-SDST	Bromsgrove Sandstone Formation - Sandstone	Anisian Age - Early Triassic Epoch
20	373m SW	MOI-BREC	Moira Formation - Breccia	Anisian Age - Late Permian Epoch [Obsolete name]
22	383m SW	PLWF-SDST	Polesworth Formation - Sandstone	Early Triassic Epoch
23	390m E	MOI-BREC	Moira Formation - Breccia	Anisian Age - Late Permian Epoch [Obsolete name]
24	394m SE	BMS-MDST	Bromsgrove Sandstone Formation - Mudstone	Anisian Age - Early Triassic Epoch
27	409m NW	MOI-BREC	Moira Formation - Breccia	Anisian Age - Late Permian Epoch [Obsolete name]
29	432m E	BMS-SDST	Bromsgrove Sandstone Formation - Sandstone	Anisian Age - Early Triassic Epoch
31	443m SE	BMS-MDST	Bromsgrove Sandstone Formation - Mudstone	Anisian Age - Early Triassic Epoch
33	454m SW	PMCM-SDST	Pennine Middle Coal Measures Formation - Sandstone	Bolsovian Sub-age - Duckmantian Sub-age
34	457m SE	BMS-SDST	Bromsgrove Sandstone Formation - Sandstone	Anisian Age - Early Triassic Epoch
35	466m SE	BMS-SDST	Bromsgrove Sandstone Formation - Sandstone	Anisian Age - Early Triassic Epoch
39	486m NW	PLWF-SCON	Polesworth Formation - Interbedded Sandstone And Conglomerate	Early Triassic Epoch
41	494m SE	BMS-SDST	Bromsgrove Sandstone Formation - Sandstone	Anisian Age - Early Triassic Epoch
43	498m SW	PMCM-MDSS	Pennine Middle Coal Measures Formation - Mudstone, Siltstone And Sandstone	Bolsovian Sub-age - Duckmantian Sub-age

This data is sourced from the British Geological Survey.

14.6 Bedrock faults and other linear features (10k)

Records within 500m

24

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

Features are displayed on the Geology 1:10,000 scale - Bedrock map on **page 101**

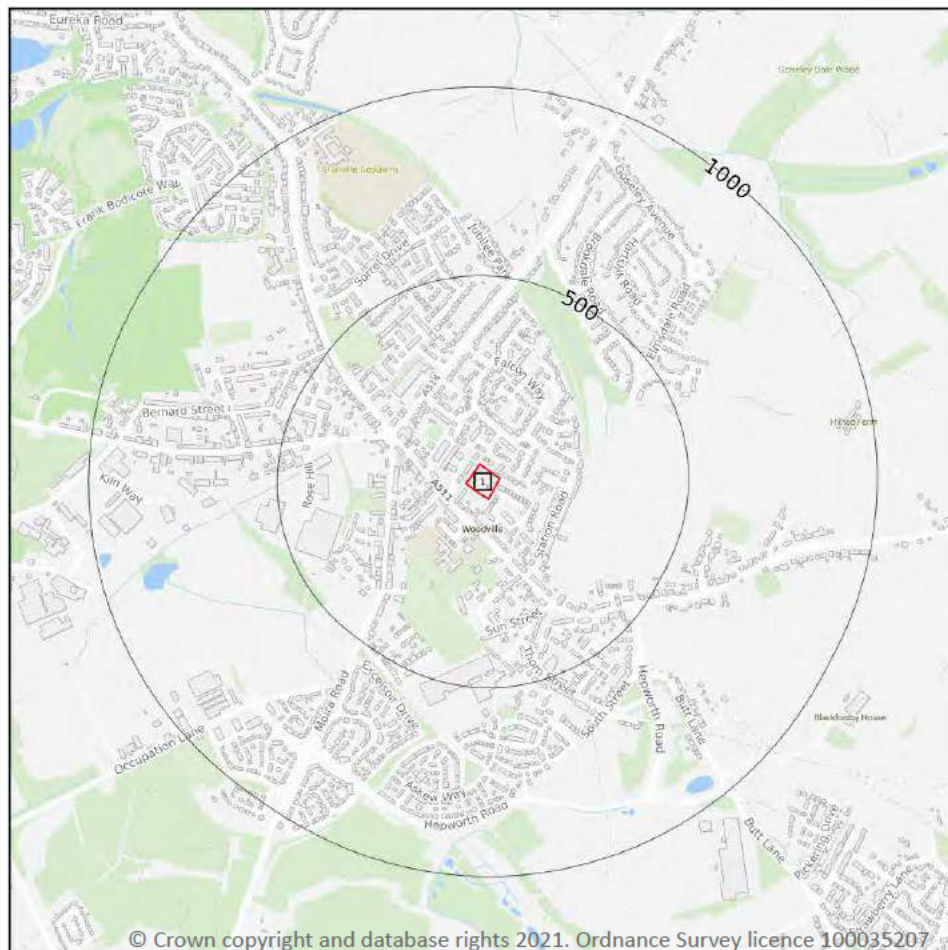


ID	Location	Category	Description
2	On site	ROCK	Coal seam, inferred (? WELL)
3	75m NE	ROCK	Coal seam, inferred (? CLOD)
5	148m NE	FAULT	Normal fault, inferred; crossmarks on downthrow side
6	157m SW	ROCK	Coal seam, inferred (EUREKA)
7	172m NE	ROCK	Coal seam, inferred (WOODFIELD)
8	181m N	ROCK	Coal seam, inferred (? KILBURN)
9	219m NE	ROCK	Coal seam, inferred (STOCKINGS)
10	248m SW	ROCK	Coal seam, inferred (STOCKINGS)
11	270m NE	ROCK	Coal seam, inferred (EUREKA)
13	284m NW	ROCK	Coal seam, inferred (? WELL)
15	331m SW	FAULT	Normal fault, inferred; crossmarks on downthrow side
18	335m NE	ROCK	Coal seam, inferred (? JOYCE'S)
19	365m SW	ROCK	Coal seam, inferred (P39/40)
21	374m SW	FOSSIL_HORIZON	Fossil horizon, lingula band (MALTBY MARINE BAND)
25	397m SW	ROCK	Coal seam, inferred (ELL)
26	407m SW	FOSSIL_HORIZON	Fossil horizon, marine band ()
28	430m NE	ROCK	Coal seam, inferred (? STANHOPE)
30	439m SW	ROCK	Coal seam, inferred (DERBY)
32	453m SW	FOSSIL_HORIZON	Fossil horizon, marine band ()
36	470m W	FOSSIL_HORIZON	Fossil horizon, lingula band ()
37	481m NE	FAULT	Normal fault, inferred; crossmarks on downthrow side
38	482m W	FOSSIL_HORIZON	Fossil horizon, marine band ()
40	489m W	FOSSIL_HORIZON	Fossil horizon, marine band ()
42	498m SW	FAULT	Normal fault, inferred; crossmarks on downthrow side

This data is sourced from the British Geological Survey.



15 Geology 1:50,000 scale - Availability



Site Outline

Search buffers in metres (m)

☐ Geological map tile

15.1 50k Availability

Records within 500m

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.

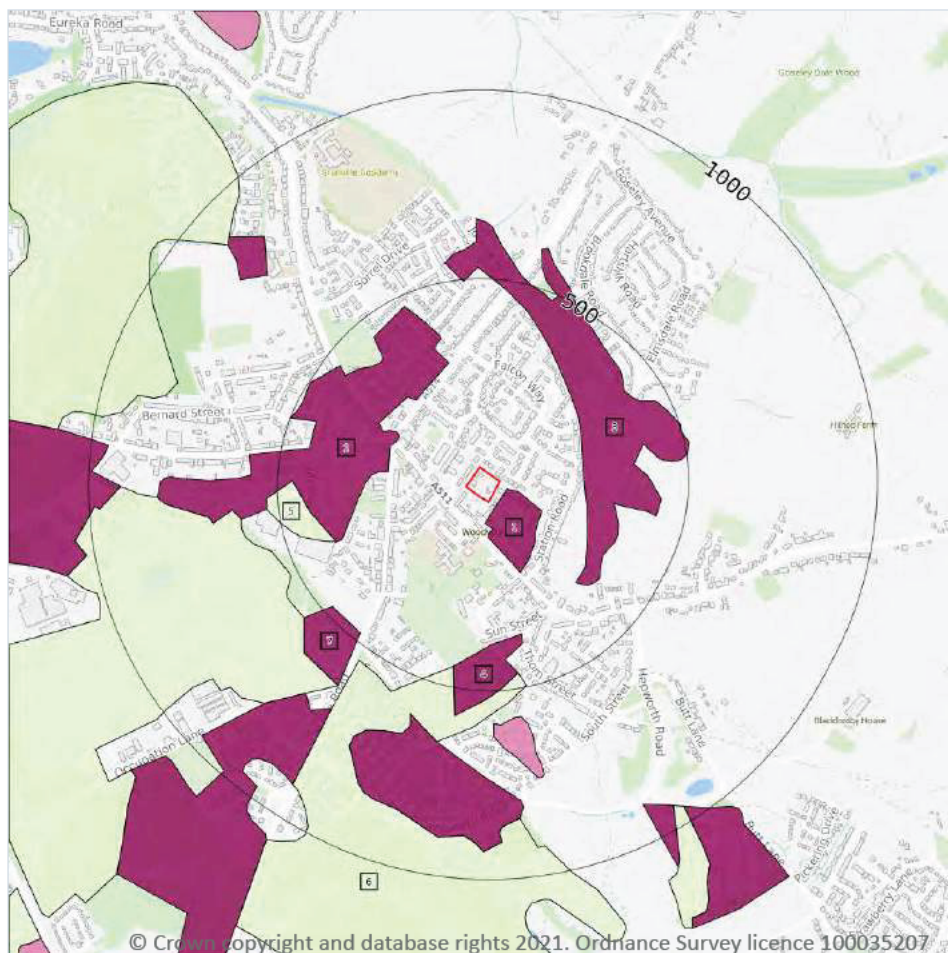
Features are displayed on the Geology 1:50,000 scale - Availability map on page 104

ID	Location	Artificial	Superficial	Bedrock	Mass movement	Sheet No.
1	On site	Full	Full	Full	Full	EW141_loughborough_v4

This data is sourced from the British Geological Survey.



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



- Site Outline**
- Search buffers in metres (m)
- Made ground
 - Worked ground
 - Infilled ground
 - Disturbed ground
 - Landscaped ground

15.2 Artificial and made ground (50k)

Records within 500m

7

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 105](#)

ID	Location	LEX Code	Description	Rock description
1	22m SE	MGR-ARTDP	MADE GROUND (UNDIVIDED)	ARTIFICIAL DEPOSIT
2	210m W	MGR-ARTDP	MADE GROUND (UNDIVIDED)	ARTIFICIAL DEPOSIT
3	223m E	MGR-ARTDP	MADE GROUND (UNDIVIDED)	ARTIFICIAL DEPOSIT
4	360m S	MGR-ARTDP	MADE GROUND (UNDIVIDED)	ARTIFICIAL DEPOSIT



ID	Location	LEX Code	Description	Rock description
5	374m SW	WMGR-ARTDP	INFILLED GROUND	ARTIFICIAL DEPOSIT
6	445m S	WMGR-ARTDP	INFILLED GROUND	ARTIFICIAL DEPOSIT
7	474m SW	MGR-ARTDP	MADE GROUND (UNDIVIDED)	ARTIFICIAL DEPOSIT

This data is sourced from the British Geological Survey.

15.3 Artificial ground 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 artificial deposits (the zone between the land surface and the water table).

Location	Flow type	Maximum permeability	Minimum permeability
22m SE	Mixed	Very High	Low

This data is sourced from the British Geological Survey.



Geology 1:50,000 scale - Superficial

15.4 Superficial geology (50k)

Records within 500m

0

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.

This data is sourced from the British Geological Survey.

15.5 Superficial 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 superficial deposits (the zone between the land surface and the water table).

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)

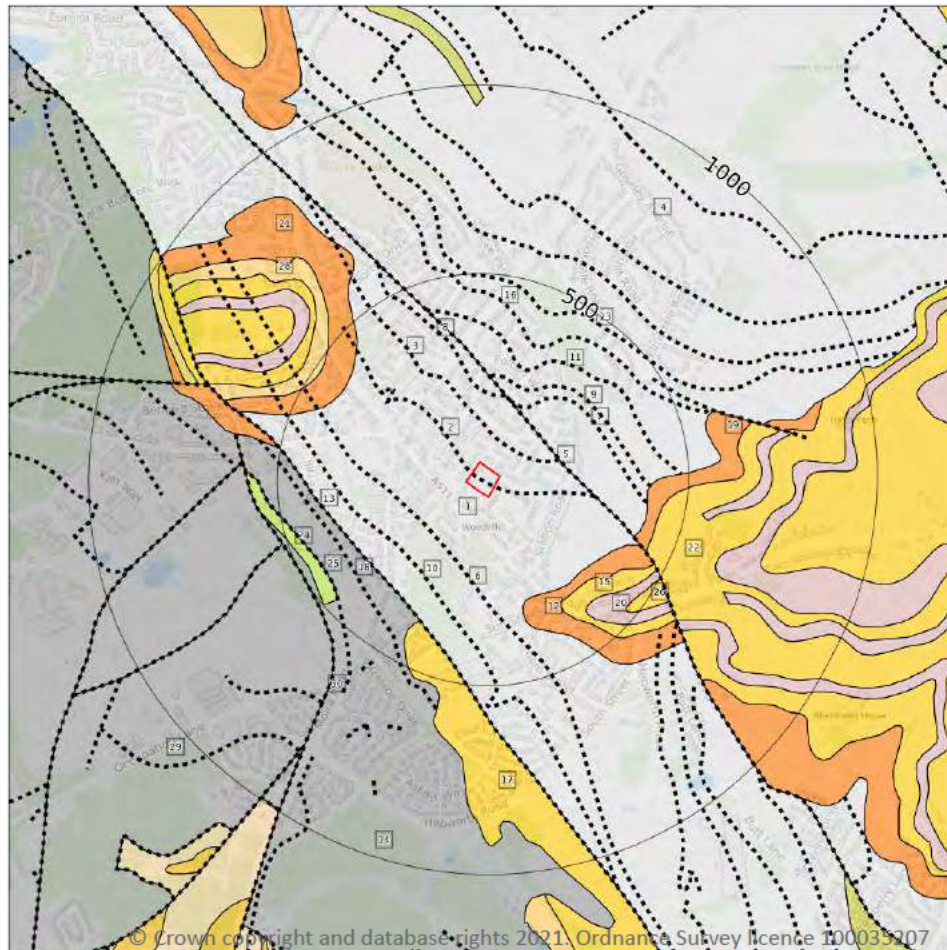
Records within 50m

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

14

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 108](#)

ID	Location	LEX Code	Description	Rock age
1	On site	PLCM-MDSS	PENNINE LOWER COAL MEASURES FORMATION - MUDSTONE, SILTSTONE AND SANDSTONE	WESTPHALIAN
4	150m NE	PLCM-MDSS	PENNINE LOWER COAL MEASURES FORMATION - MUDSTONE, SILTSTONE AND SANDSTONE	WESTPHALIAN
12	288m SE	MOI-BREC	MOIRA FORMATION - BRECCIA	-



ID	Location	LEX Code	Description	Rock age
14	334m SW	PMCM-MDSS	PENNINE MIDDLE COAL MEASURES FORMATION - MUDSTONE, SILTSTONE AND SANDSTONE	WESTPHALIAN
15	337m SE	HEY-SDST	HELSEBY SANDSTONE FORMATION - SANDSTONE	ANISIAN
17	374m SW	HEY-SDST	HELSEBY SANDSTONE FORMATION - SANDSTONE	ANISIAN
19	388m SE	MOI-BREC	MOIRA FORMATION - BRECCIA	-
20	389m SE	HEY-MDST	HELSEBY SANDSTONE FORMATION - MUDSTONE	ANISIAN
21	405m NW	MOI-BREC	MOIRA FORMATION - BRECCIA	-
22	433m E	HEY-SDST	HELSEBY SANDSTONE FORMATION - SANDSTONE	ANISIAN
24	442m SW	PMCM-SDST	PENNINE MIDDLE COAL MEASURES FORMATION - SANDSTONE	WESTPHALIAN
26	467m SE	HEY-SDST	HELSEBY SANDSTONE FORMATION - SANDSTONE	ANISIAN
28	482m NW	CHES-SCON	CHESTER FORMATION - SANDSTONE AND CONGLOMERATE, INTERBEDDED	OLENEKIAN
29	499m SW	PMCM-MDSS	PENNINE MIDDLE COAL MEASURES FORMATION - MUDSTONE, SILTSTONE AND SANDSTONE	WESTPHALIAN

This data is sourced from the British Geological Survey.

15.9 Bedrock permeability (50k)

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

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

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

This data is sourced from the British Geological Survey.

15.10 Bedrock faults and other linear features (50k)

Records within 500m	16
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Linear features at the ground or bedrock surface at 1:50,000 scale of six main types; rock, fault, fold axis, mineral vein, alteration area or landform. Features are either observed or inferred, and relate primarily to bedrock.

Features are displayed on the Geology 1:50,000 scale - Bedrock map on **page 108**

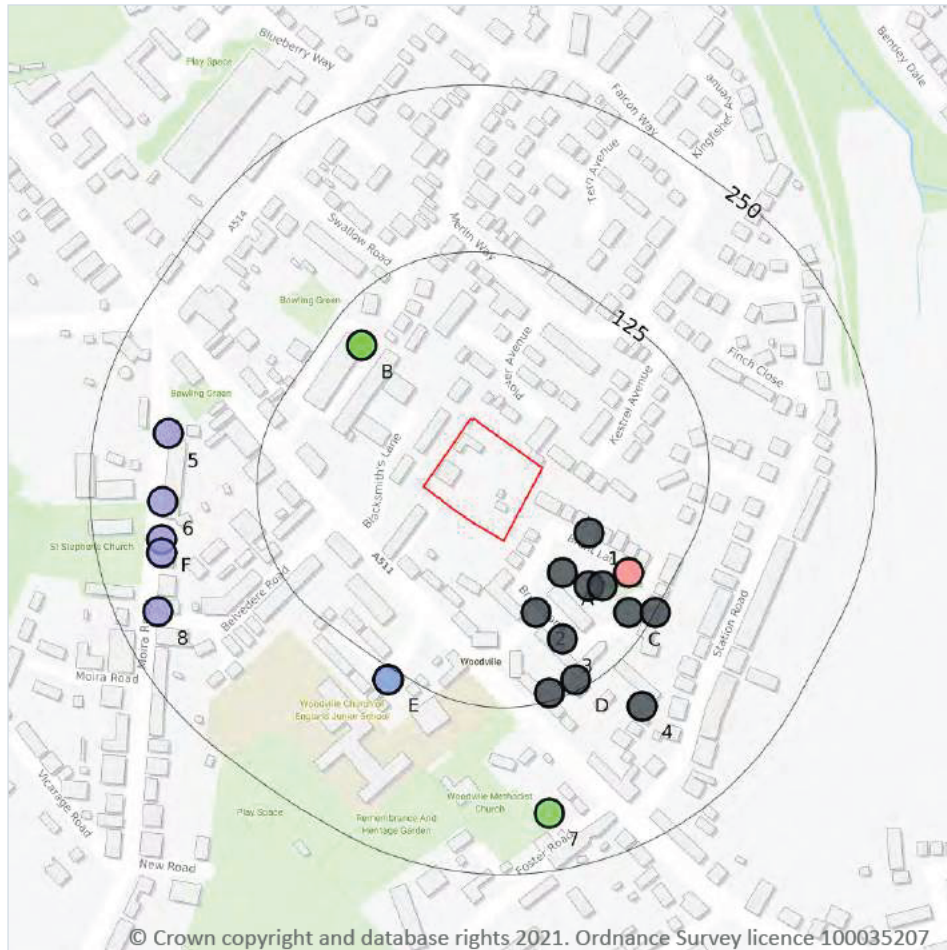


ID	Location	Category	Description
2	On site	ROCK	Coal seam, observed
3	76m NE	ROCK	Coal seam, observed
5	150m NE	FAULT	Fault, inferred
6	157m SW	ROCK	Coal seam, observed
7	181m NE	ROCK	Coal seam, observed
8	182m N	ROCK	Coal seam, observed
9	224m NE	ROCK	Coal seam, observed
10	248m SW	ROCK	Coal seam, observed
11	274m NE	ROCK	Coal seam, observed
13	334m SW	FAULT	Fault, inferred
16	339m NE	ROCK	Coal seam, observed
18	375m SW	ROCK	Coal seam, observed
23	434m NE	ROCK	Coal seam, observed
25	442m SW	FOSSIL_HORIZON	Marine band
27	480m NE	FAULT	Fault, inferred
30	499m SW	FAULT	Fault, inferred

This data is sourced from the British Geological Survey.



16 Boreholes



— Site Outline
Search buffers in metres (m)

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

16.1 BGS Boreholes

Records within 250m

23

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 111**

ID	Location	Grid reference	Name	Length	Confidential	Web link
A	50m SE	431790 319020	HIGH STREET WOODVILLE S. DERBYSHIRE TP5	-	Y	N/A
1	54m SE	431810 319050	HIGH STREET WOODVILLE S. DERBYSHIRE TP4	-	Y	N/A
2	59m SE	431770 318990	HIGH STREET WOODVILLE S. DERBYSHIRE TP6	-	Y	N/A

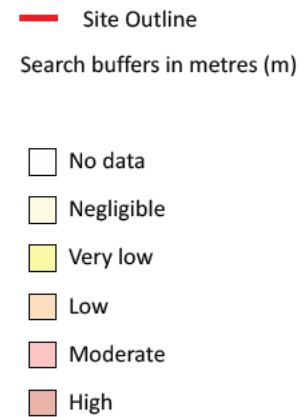
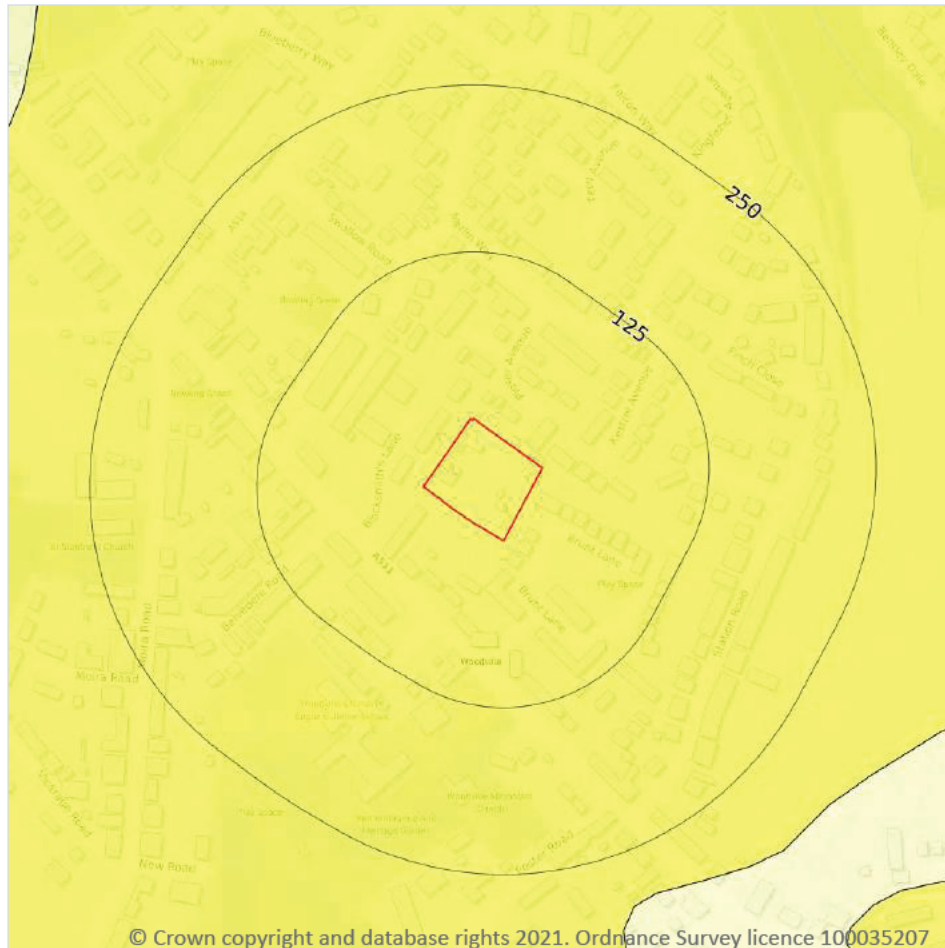


ID	Location	Grid reference	Name	Length	Confidential	Web link
A	72m SE	431810 319010	HIGH STREET WOODVILLE S. DERBYSHIRE 1	-	Y	N/A
A	81m SE	431820 319010	HIGH STREET WOODVILLE S. DERBYSHIRE TP7	-	Y	N/A
3	86m SE	431790 318970	HIGH STREET WOODVILLE S. DERBYSHIRE TP8	-	Y	N/A
A	94m SE	431840 319020	THOMPSONS POTTERY YARD WOODVILLE	213.49	N	206809
B	98m NW	431640 319190	BLACKSMITHS LN WOODVILLE BH1	25.0	N	207116
B	98m NW	431640 319190	BLACKSMITHS LN WOODVILLE BH2	25.0	N	207117
C	108m SE	431840 318990	HIGH STREET WOODVILLE S. DERBYSHIRE 4	-	Y	N/A
D	117m SE	431800 318940	HIGH STREET WOODVILLE S. DERBYSHIRE TP2	-	Y	N/A
D	119m S	431780 318930	HIGH STREET WOODVILLE S. DERBYSHIRE TP1	-	Y	N/A
C	126m SE	431860 318990	HIGH STREET WOODVILLE S. DERBYSHIRE 2	-	Y	N/A
E	133m SW	431660 318940	HOUSING DEV WOODVILLE TP2	1.0	N	207150
E	133m SW	431660 318940	HOUSING DEV WOODVILLE BH1	25.0	N	207148
E	133m SW	431660 318940	HOUSING DEV WOODVILLE TP1	2.0	N	207149
4	162m SE	431850 318920	HIGH STREET WOODVILLE S. DERBYSHIRE TP3	-	Y	N/A
5	195m W	431495 319124	MOIRD RD WOODVILLE 1	9.0	N	207118
6	196m W	431491 319073	MOIRD RD WOODVILLE 2	5.0	N	207119
F	200m W	431490 319045	MOIRD RD WOODVILLE 3	6.0	N	207120
F	202m W	431490 319035	MOIRD RD WOODVILLE 4	6.0	N	207121
7	207m S	431780 318840	HUGH & GREYS PIT WOODVILLE	28.34	N	207086
8	220m SW	431487 318991	MOIRD RD WOODVILLE 5	6.0	N	207122

This data is sourced from the British Geological Survey.



17 Natural ground subsidence - Shrink swell clays



17.1 Shrink swell clays

Records within 50m

1

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

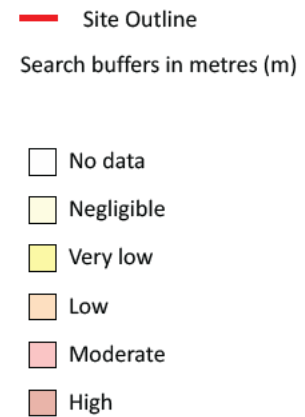
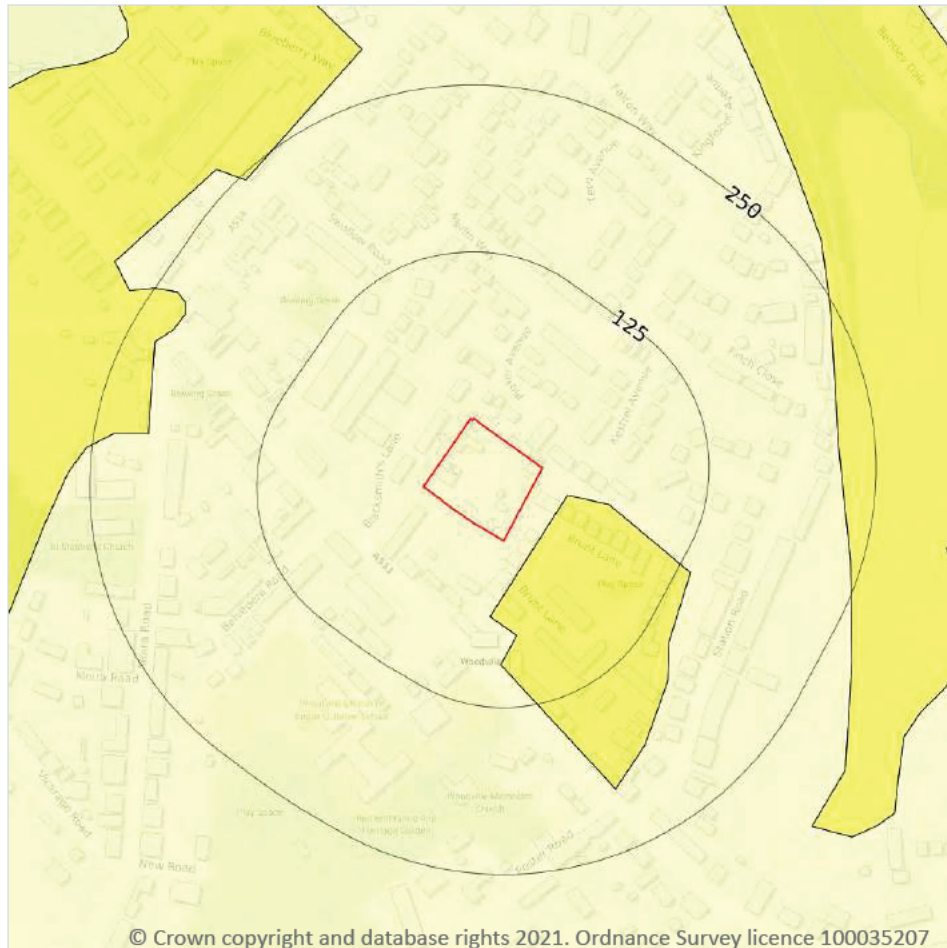
Features are displayed on the Natural ground subsidence - Shrink swell clays map on [page 113](#)

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

This data is sourced from the British Geological Survey.



Natural ground subsidence - Running sands



17.2 Running sands

Records within 50m

2

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

Features are displayed on the Natural ground subsidence - Running sands map on **page 114**

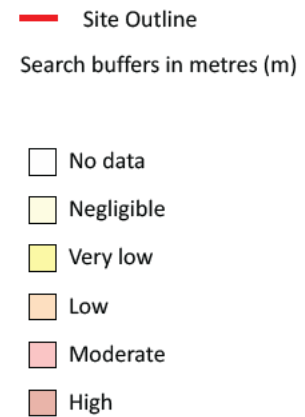
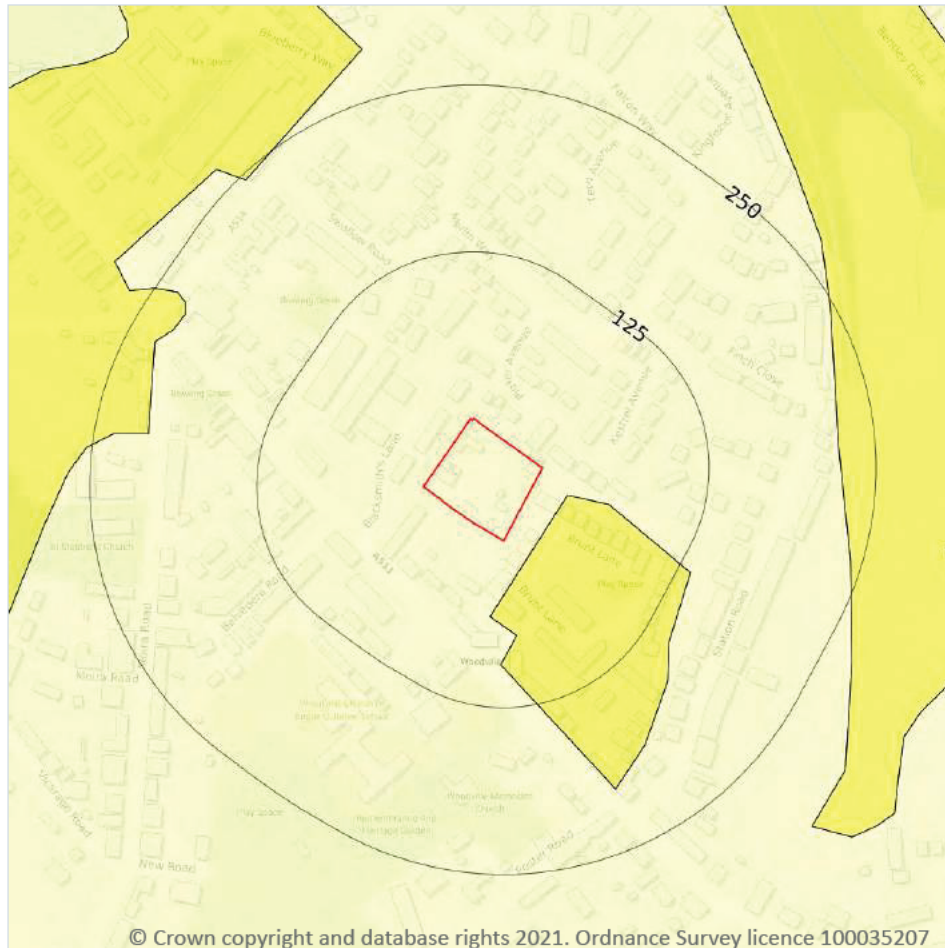
Location	Hazard rating	Details
On site	Negligible	Running sand conditions are not thought to occur whatever the position of the water table. No identified constraints on lands use due to running conditions.

Location	Hazard rating	Details
22m SE	Very low	Running sand conditions are unlikely. No identified constraints on land use due to running conditions unless water table rises rapidly.

This data is sourced from the British Geological Survey.



Natural ground subsidence - Compressible deposits



17.3 Compressible deposits

Records within 50m

2

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

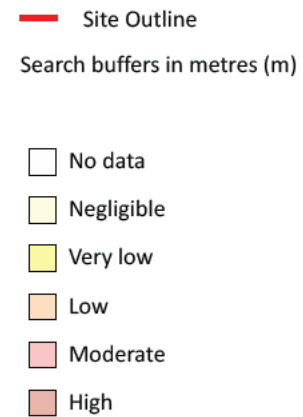
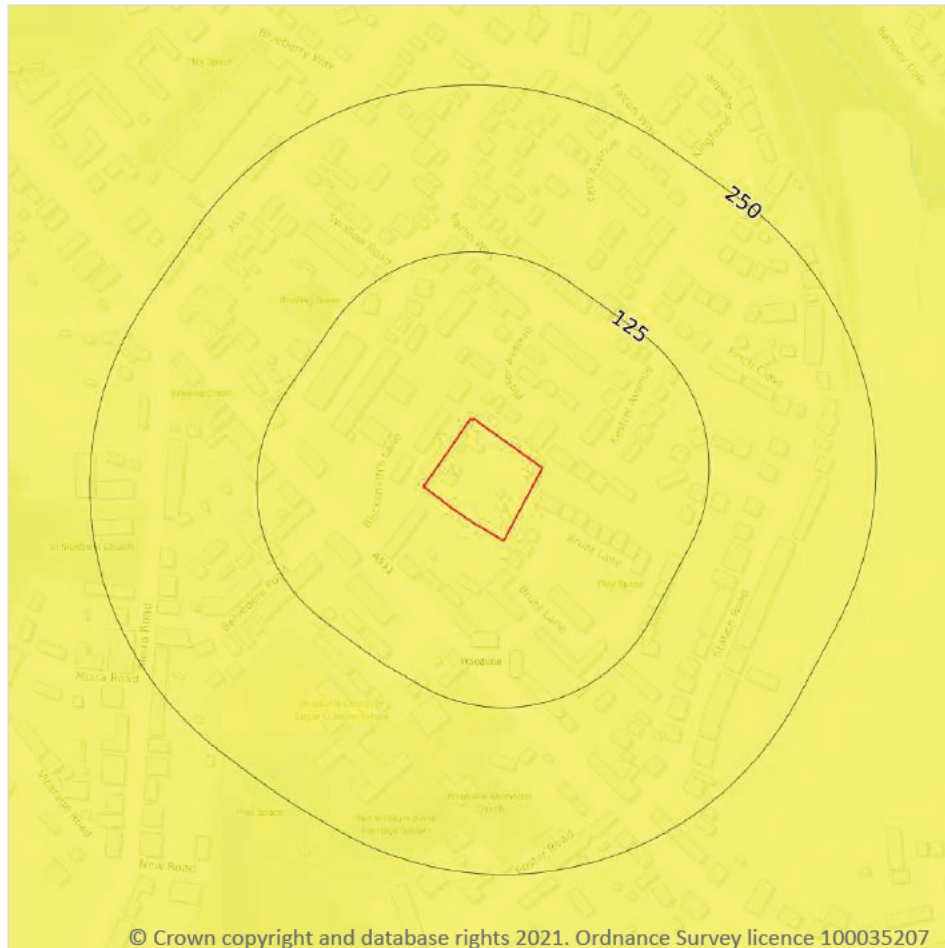
Features are displayed on the Natural ground subsidence - Compressible deposits map on **page 116**

Location	Hazard rating	Details
On site	Negligible	Compressible strata are not thought to occur.
22m SE	Very low	Compressibility and uneven settlement problems are not likely to be significant on the site for most land uses.

This data is sourced from the British Geological Survey.



Natural ground subsidence - Collapsible deposits



17.4 Collapsible deposits

Records within 50m

1

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

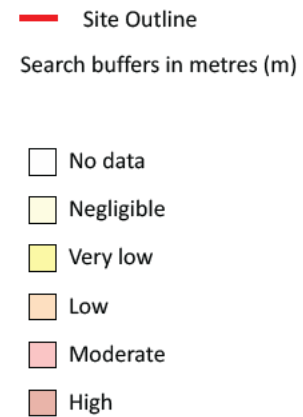
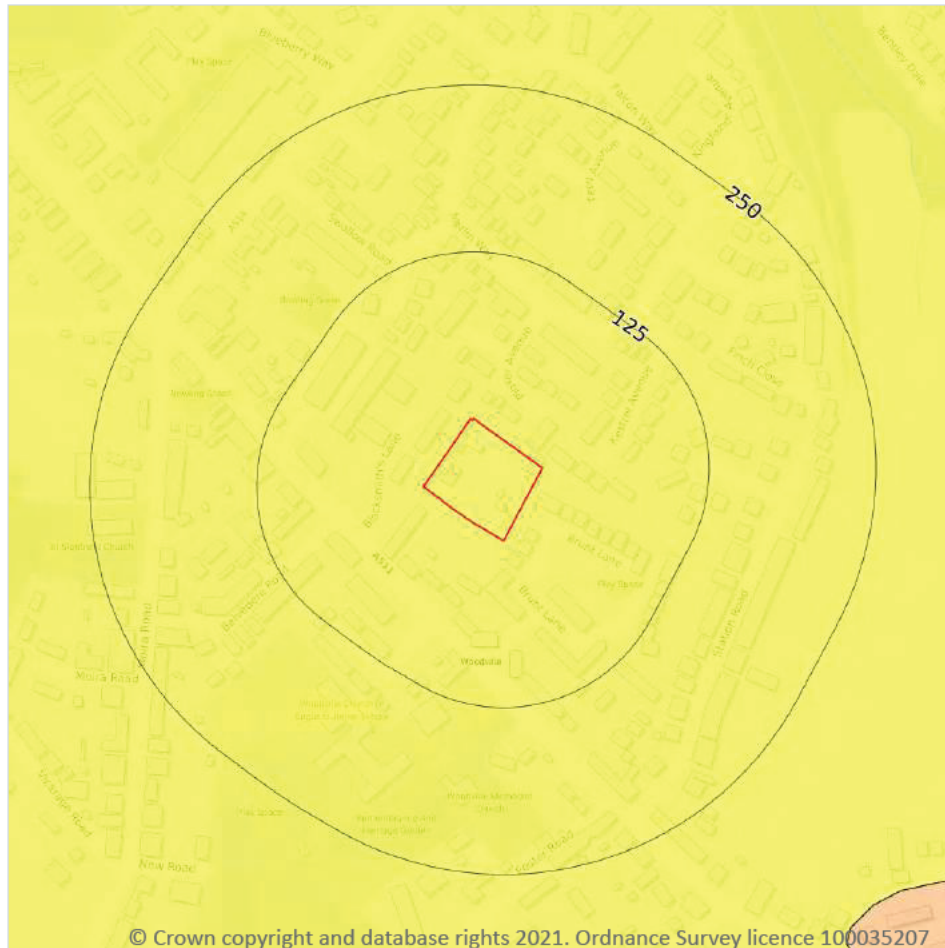
Features are displayed on the Natural ground subsidence - Collapsible deposits map on [page 118](#)

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



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.

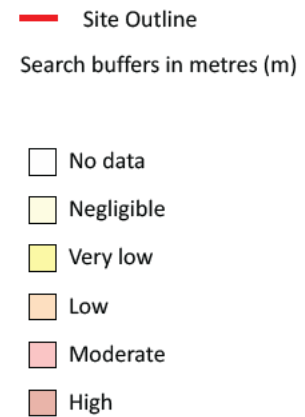
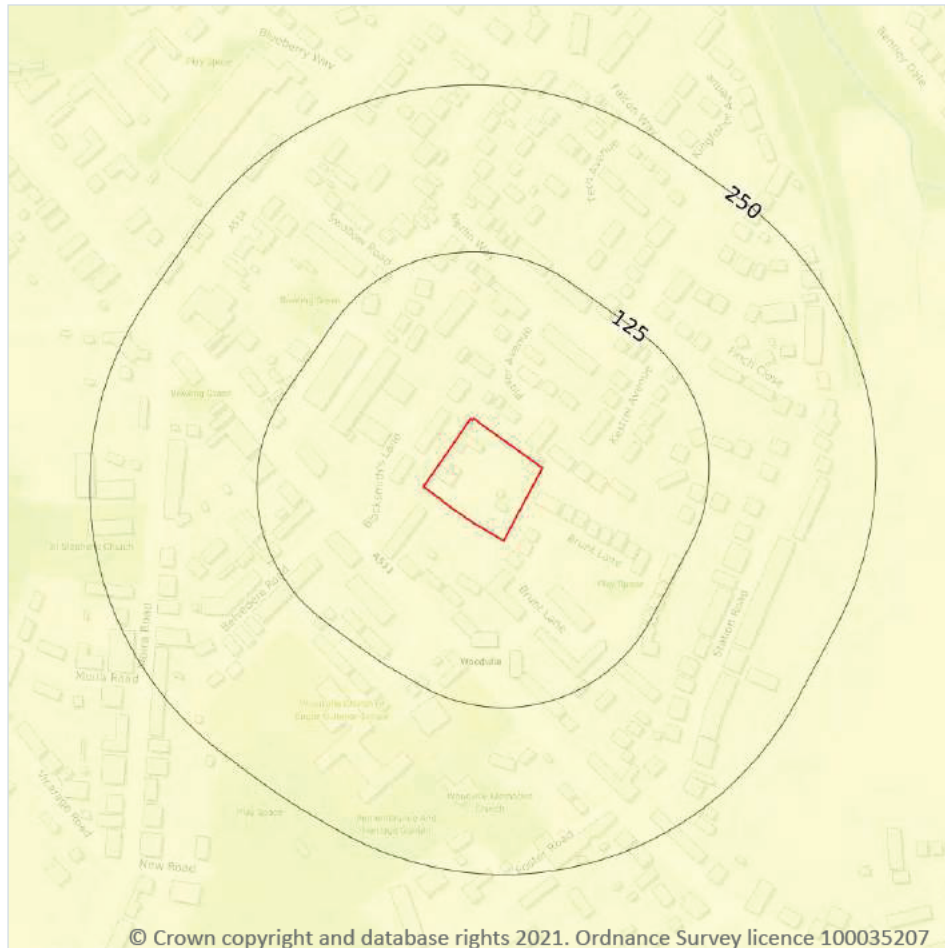
Features are displayed on the Natural ground subsidence - Landslides map on **page 119**

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

1

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

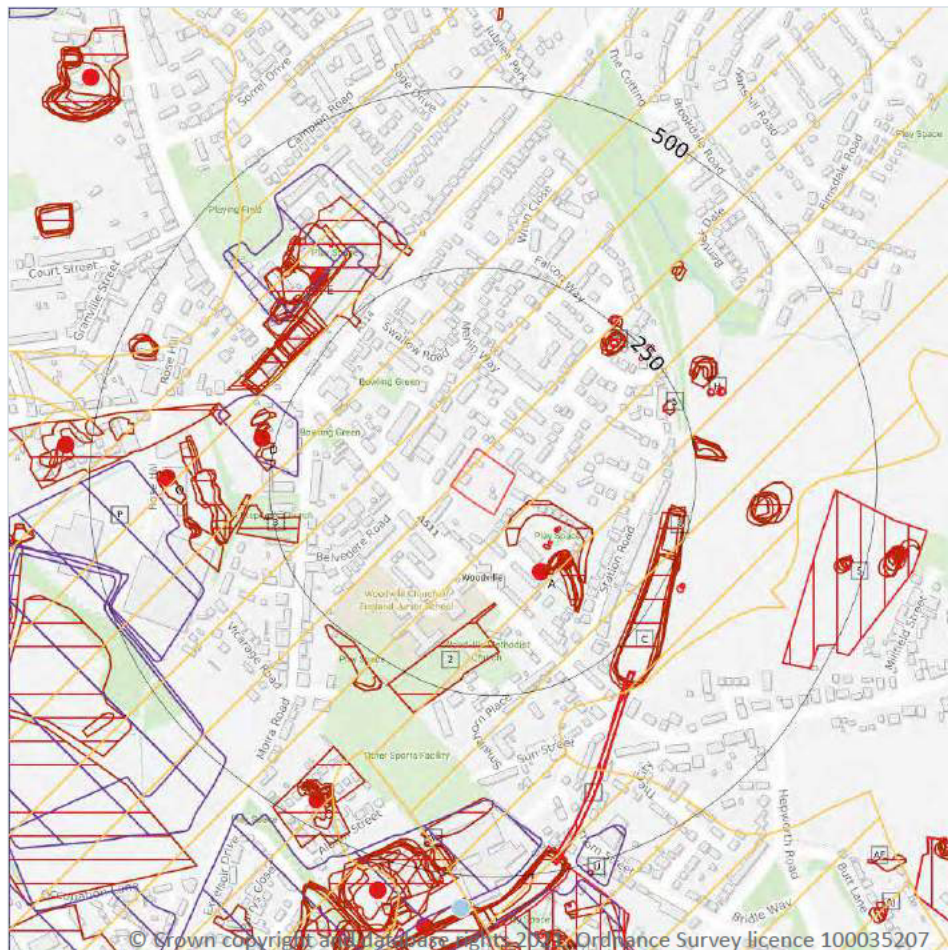
Features are displayed on the Natural ground subsidence - Ground dissolution of soluble rocks map on **page 120**

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

This data is sourced from the British Geological Survey.



18 Mining, ground workings and natural cavities



- Site Outline
- Search buffers in metres (m)
- Natural cavities (Area)
- Natural cavities (Point)
- BritPits
- Surface ground workings
- Underground workings
- Historical Mineral Planning Areas
- Mining Cavities
- Non Coal Mining
- Sporadic underground mining of restricted extent possible
- Localised small scale underground mining possible
- Small scale mining possible
- Underground mining known or likely within or in close proximity
- Underground mining known within or in very close proximity

18.1 Natural cavities

Records within 500m

0

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

This data is sourced from Peter Brett Associates (PBA).

18.2 BritPits

Records within 500m

6

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, ground workings and natural cavities map on [page 122](#)

ID	Location	Details	Description
A	101m SE	Name: Thompson's Pottery Address: Woodville, SWADLINCOTE, Derbyshire 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
A	117m SE	Name: Hartshorne Potteries Address: Woodville, SWADLINCOTE, Derbyshire Commodity: Clay & Shale Status: Ceased	Type: Working is wholly underground, access by shaft, adit or drift. Working may be termed Colliery, Mine, Drift Mine, Slant, Level, Adit or Ingoing Eye (Ingaun Ee - Scots) Status description: Site which, at date of entry, has ceased to extract minerals. May be considered as Closed by operator. May be considered to have Active, Dormant or Expired planning permissions by Mineral Planning Authority
D	269m W	Name: Woodville Pottery Address: SWADLINCOTE, Derbyshire 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	320m NW	Name: Woodville Brick Yard Address: Woodville, SWADLINCOTE, Derbyshire 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
O	391m W	Name: Woodville Pottery Address: SWADLINCOTE, Derbyshire 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
Q	464m SW	Name: Chapel Street Brick Yard Address: Woodville, SWADLINCOTE, Derbyshire 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

This data is sourced from the British Geological Survey.

18.3 Surface ground workings

Records within 250m	28
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Historical land uses identified from Ordnance Survey mapping that involved ground excavation at the surface. These features may or may not have been subsequently backfilled.

Features are displayed on the Mining, ground workings and natural cavities map on **page 122**

ID	Location	Land Use	Year of mapping	Mapping scale
A	23m SE	Unspecified Heap	1975	1:10000
A	99m SE	Refuse Heap	1884	1:10560
A	99m SE	Refuse Heap	1925	1:10560
A	99m SE	Refuse Heap	1925	1:10560
A	100m SE	Refuse Heap	1950	1:10560
A	103m SE	Refuse Heap	1938	1:10560
2	122m S	Burial Ground	1882	1:10560
B	208m NE	Unspecified Heap	1950	1:10560
C	210m E	Cuttings	1884	1:10560
B	211m NE	Refuse Heap	1938	1:10560
B	211m NE	Refuse Heap	1900	1:10560
B	211m NE	Unspecified Heap	1882	1:10560
B	212m NE	Unspecified Heap	1884	1:10560
3	213m W	Grave Yard	1882	1:10560
B	215m NE	Unspecified Heap	1925	1:10560
B	215m NE	Unspecified Heap	1925	1:10560



ID	Location	Land Use	Year of mapping	Mapping scale
C	217m E	Cuttings	1925	1:10560
C	217m E	Cuttings	1938	1:10560
C	217m E	Cuttings	1950	1:10560
4	220m E	Cuttings	1882	1:10560
C	224m SE	Cuttings	1975	1:10000
C	224m SE	Cuttings	1967	1:10560
5	224m NE	Unspecified Heap	1882	1:10560
C	228m SE	Cuttings	1900	1:10560
C	228m SE	Cuttings	1882	1:10560
E	236m NW	Brick Yard	1882	1:10560
D	245m W	Refuse Heap	1882	1:10560
B	248m NE	Unspecified Heap	1882	1:10560

This is data is sourced from Ordnance Survey/Groundsure.

18.4 Underground workings

Records within 1000m

111

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

Features are displayed on the Mining, ground workings and natural cavities map on **page 122**

ID	Location	Land Use	Year of mapping	Mapping scale
A	80m SE	Old Clay Shafts	1882	1:10560
A	84m SE	Unspecified Old Shaft	1950	1:10560
A	84m SE	Old Clay Shafts	1882	1:10560
A	85m SE	Unspecified Old Shaft	1938	1:10560
B	223m NE	Unspecified Old Shafts	1950	1:10560
B	223m NE	Unspecified Disused Shafts	1975	1:10000
B	223m NE	Unspecified Disused Shafts	1967	1:10560
B	235m NE	Old Clay Shafts	1882	1:10560



ID	Location	Land Use	Year of mapping	Mapping scale
B	247m NE	Unspecified Old Shafts	1950	1:10560
B	249m NE	Unspecified Disused Shafts	1975	1:10000
B	249m NE	Unspecified Disused Shafts	1967	1:10560
B	250m NE	Unspecified Disused Shafts	1967	1:10560
B	252m NE	Unspecified Disused Shaft	1975	1:10000
B	253m NE	Old Clay Shafts	1882	1:10560
B	253m NE	Old Clay Shafts	1938	1:10560
B	253m NE	Old Clay Shafts	1900	1:10560
C	271m SE	Trial Shaft	1950	1:10560
C	273m SE	Trial Shaft	1938	1:10560
J	286m SE	Tunnel	1938	1:10560
J	286m SE	Tunnel	1900	1:10560
J	286m SE	Tunnel	1882	1:10560
J	288m SE	Tunnel	1975	1:10000
J	288m SE	Tunnel	1967	1:10560
J	288m SE	Tunnel	1950	1:10560
H	290m NE	Unspecified Disused Shafts	1975	1:10000
H	290m NE	Unspecified Disused Shafts	1967	1:10560
H	302m E	Unspecified Old Shaft	1950	1:10560
H	302m E	Unspecified Disused Shafts	1975	1:10000
H	302m E	Unspecified Disused Shafts	1967	1:10560
H	306m NE	Unspecified Old Shaft	1938	1:10560
E	343m NW	Unspecified Old Shaft	1882	1:10560
S	429m E	Clay Mine	1900	1:10560
V	461m S	Clay Shaft	1882	1:10560
S	470m E	Old Clay Shafts	1882	1:10560
S	474m E	Old Clay Shaft	1900	1:10560
W	499m S	Clay and Coal Mine	1950	1:10560



ID	Location	Land Use	Year of mapping	Mapping scale
U	509m S	Old Clay Shaft	1882	1:10560
X	539m E	Old Clay Shafts	1882	1:10560
W	548m S	Clay Shaft	1882	1:10560
R	574m S	Old Clay Shafts	1882	1:10560
W	578m S	Unspecified Old Shaft	1938	1:10560
W	579m S	Clay Shafts	1882	1:10560
W	581m S	Unspecified Old Shaft	1950	1:10560
W	602m S	Old Clay Shaft	1900	1:10560
W	607m S	Clay Shafts	1882	1:10560
R	619m S	Clay Shafts	1882	1:10560
-	628m S	Clay Shafts	1882	1:10560
-	637m W	Colliery	1938	1:10560
-	637m W	Colliery	1900	1:10560
-	650m S	Clay and Coal Mine	1900	1:10560
-	655m W	Unspecified Mine	1967	1:10560
AF	703m SE	Unspecified Shafts	1950	1:10560
-	724m S	Clay Mine	1925	1:10560
-	745m S	Old Clay Shafts	1882	1:10560
AG	747m SE	Unspecified Mine	1900	1:10560
AG	747m SE	Clay and Coal Mine	1882	1:10560
-	747m S	Clay Mine	1950	1:10560
-	748m SE	Old Clay Shaft	1900	1:10560
-	753m SE	Unspecified Shaft	1882	1:10560
-	753m S	Old Clay Shafts	1900	1:10560
AJ	753m SE	Unspecified Shaft	1900	1:10560
-	759m S	Old Clay Shafts	1882	1:10560
-	769m S	clay mine	1925	1:10560
-	778m W	Old Clay Shaft	1882	1:10560



ID	Location	Land Use	Year of mapping	Mapping scale
AK	781m SE	Unspecified Shafts	1882	1:10560
-	796m SW	Old Clay Shaft	1882	1:10560
-	801m SE	Unspecified Shafts	1882	1:10560
-	805m SW	Old Clay Shafts	1882	1:10560
-	805m SE	Unspecified Shafts	1938	1:10560
-	805m SE	Unspecified Shafts	1950	1:10560
-	806m SE	Unspecified Shafts	1882	1:10560
-	810m W	Clay Mine	1938	1:10560
-	825m SW	Old Clay Shafts	1882	1:10560
-	825m S	Pumping Shaft	1925	1:10560
-	830m W	Air Shaft	1938	1:10560
-	833m SW	Air Shaft	1950	1:10560
-	834m S	Pumping Shaft	1950	1:10560
-	837m S	Air Shaft	1925	1:10560
-	844m S	Air Shaft	1950	1:10560
-	858m SW	Old Clay Shafts	1882	1:10560
-	862m W	Air Shaft	1900	1:10560
-	895m SW	Air Shaft	1938	1:10560
-	899m SW	Air Shaft	1950	1:10560
-	899m SW	Unspecified Disused Shaft	1967	1:10560
-	901m S	Clay Shaft	1950	1:10560
-	906m S	Clay Shaft	1925	1:10560
-	910m S	Unspecified Shafts	1925	1:10560
-	912m SW	Unspecified Shaft	1882	1:10560
-	926m SW	Pumping Shaft	1900	1:10560
-	939m SE	Unspecified Old Shaft	1938	1:10560
-	940m SE	Unspecified Old Shaft	1950	1:10560
-	940m SW	Old Pumping Shaft	1882	1:10560



ID	Location	Land Use	Year of mapping	Mapping scale
-	941m SW	Old Pumping Shaft	1882	1:10560
-	942m SW	Pumping Shaft	1950	1:10560
-	944m W	Colliery	1950	1:10560
-	946m W	Colliery	1938	1:10560
-	946m W	Colliery	1900	1:10560
-	946m W	Colliery	1882	1:10560
-	946m SW	Pumping Shaft	1925	1:10560
-	951m SW	Old Pumping Shaft	1882	1:10560
-	957m S	Unspecified Shafts	1950	1:10560
-	961m S	Unspecified Shafts	1925	1:10560
-	966m W	Clay Mine	1950	1:10560
-	967m SW	Old Clay Shaft	1925	1:10560
-	967m SW	Old Clay Shaft	1900	1:10560
-	968m SW	Old Clay Shaft	1950	1:10560
-	969m SW	Old Clay Shaft	1882	1:10560
-	993m S	Pumping Shaft	1950	1:10560
-	994m W	Unspecified Mine	1967	1:10560
-	995m S	Unspecified Shafts	1950	1:10560
-	998m S	Pumping Shaft	1925	1:10560

This data is sourced from Ordnance Survey/Groundsure.

18.5 Historical Mineral Planning Areas

Records within 500m

7

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, ground workings and natural cavities map on **page 122**



ID	Location	Site Name	Mineral	Type	Planning Status	Planning Status Date
D	212m W	Rawdon pottery	Clay	Surface mineral working	Valid	Pre 1947
E	269m NW	Excelsior potteries	Clay (for sanitary ware)	Surface mineral working	Valid	23/8/47
P	370m SW	Milk Hill	Clay, fireclay, coal	Surface mineral working	Valid	11/6/47
R	395m S	Milk Hill	Clay, fireclay, coal	Surface mineral working	Valid	11/6/47
U	461m S	Milk Hill	Clay, fireclay, coal	Surface mineral working	Valid	11/6/47
P	472m W	Milk Hill	Clay	Working is wholly underground	Valid	11/6/47
P	481m W	Milk Hill	Clay, fireclay, coal	Surface mineral working	Valid	11/6/47

This data is sourced from the British Geological Survey.

18.6 Non-coal mining

Records within 1000m

2

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, ground workings and natural cavities map on **page 122**

ID	Location	Name	Commodity	Class	Likelihood
1	On site	Not available	Iron Ore (Bedded)	B	Localised small scale underground mining may have occurred. Potential for difficult ground conditions are unlikely or localised and are at a level where they need not be considered
-	865m N	Not available	Iron Ore (Bedded)	B	Localised small scale underground mining may have occurred. Potential for difficult ground conditions are unlikely or localised and are at a level where they need not be considered

This data is sourced from the British Geological Survey.



18.7 Mining cavities

Records within 1000m

1

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 Mining, ground workings and natural cavities map on [page 122](#)

ID	Location	Mine Address	Mineral	Data source	Publisher
R	546m S	Swadlincote, Leicestershire	Clay	-	-

This data is sourced from Peter Brett Associates (PBA).

18.8 JPB mining areas

Records on site

1

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

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

This data is sourced from Johnson Poole and Bloomer.

18.9 Coal mining

Records on site

1

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

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

This data is sourced from the Coal Authority.



18.10 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.

18.11 Gypsum areas

Records on site	0
-----------------	---

Generalised areas that may be affected by gypsum extraction.

This data is sourced from British Gypsum.

18.12 Tin mining

Records on site	0
-----------------	---

Generalised areas that may be affected by historical tin mining.

This data is sourced from Mining Searches UK.

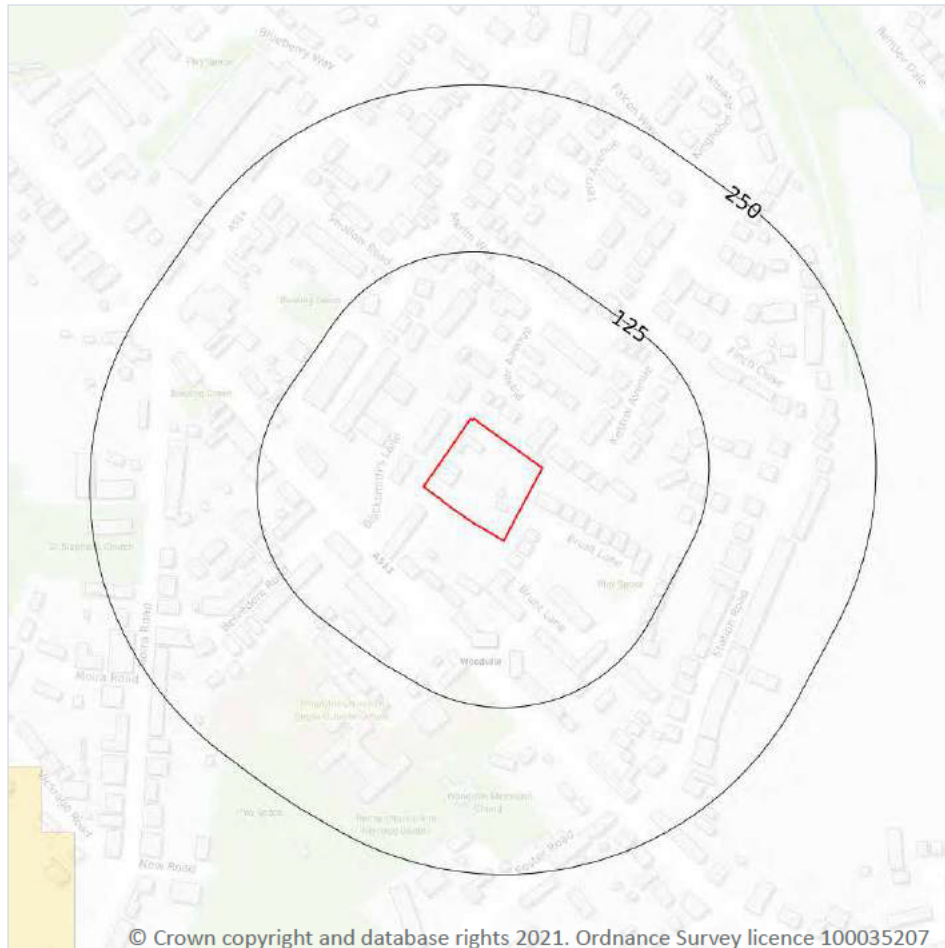
18.13 Clay mining

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 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%

19.1 Radon

Records on site

1

Estimated percentage of dwellings exceeding the Radon Action Level. This data is the highest resolution radon dataset available for the UK and is produced to a 75m level of accuracy to allow for geological data accuracy and a 'residential property' buffer. The findings of this section should supersede any estimations derived from the Indicative Atlas of Radon in Great Britain. The data was derived from both geological assessments and long term measurements of radon in more than 479,000 households.

Features are displayed on the Radon map on [page 133](#)

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

This data is sourced from the British Geological Survey and Public Health England.



20 Soil chemistry

20.1 BGS Estimated Background Soil Chemistry

Records within 50m

2

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	60 - 90 mg/kg	15 - 30 mg/kg
44m 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.

20.2 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.

20.3 BGS Measured Urban Soil Chemistry

Records within 50m

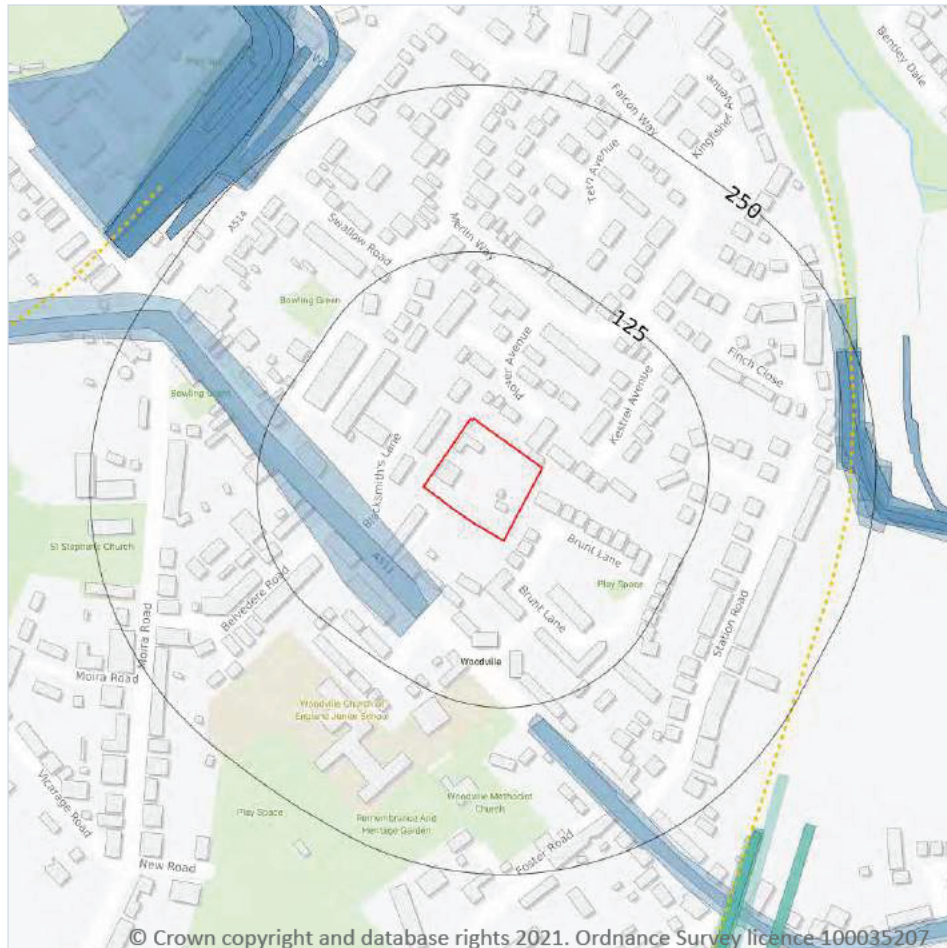
0

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

This data is sourced from the British Geological Survey.



21 Railway infrastructure and projects



- Site Outline
- Search buffers in metres (m)**
- C1 Crossrail 1 Stations
- Crossrail 1 Route
- Crossrail 1 Worksites
- C2 Crossrail 2 Stations
- Crossrail 2 Route
- Crossrail 2 Worksites
- Crossrail 2 Safeguarding
- Crossrail 2 Headhouses
- Railway stations
- Active railways
- Active tunnels
- Abandoned railways
- Historic railways
- Historic tunnels
- Underground stations
- Underground Lines
- Royal Mail tunnels
- HS2 optimised route
- HS2 Stations
- HS2 Depots
- HS2 Surface Safeguarding
- HS2 Subsurface Safeguarding

21.1 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.

21.2 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.

21.3 Railway tunnels

Records within 250m

0

Railway tunnels taken from contemporary Ordnance Survey mapping.

This data is sourced from the Ordnance Survey.

21.4 Historical railway and tunnel features

Records within 250m

15

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 135](#)

Location	Land Use	Year of mapping	Mapping scale
40m SW	Railway Sidings	1938	10560
55m SW	Railway Sidings	1950	10560
132m S	Railway Sidings	1938	10560
137m S	Railway Sidings	1950	10560
220m E	Railway Sidings	1967	10560
221m E	Railway Sidings	1950	10560
222m E	Railway Sidings	1925	10560
224m E	Railway Sidings	1938	10560
224m E	Railway Sidings	1900	10560
225m E	Railway Sidings	1884	10560
233m E	Railway Sidings	1923	2500
233m E	Railway Sidings	1959	2500
238m NW	Railway Sidings	1950	10560
240m NW	Railway	1883	-
241m NW	Railway Sidings	1967	10560

This data is sourced from Ordnance Survey/Groundsure.



21.5 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.

21.6 Historical railways

Records within 250m

1

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

Features are displayed on the Railway infrastructure and projects map on [page 135](#)

Location	Description
231m E	Abandoned

This data is sourced from OpenStreetMap.

21.7 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.

21.8 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.

21.9 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.

21.10 HS2

Records within 500m

0

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

This data is sourced from HS2 Ltd.



Data providers

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

Terms and conditions

Groundsure's Terms and Conditions can be accessed at this link: <https://www.groundsure.com/terms-and-conditions-jan-2020/>.



APPENDIX D





Reference: 192-20-675.2472

Date: 4th December 2020

Tricas Construction Ltd and Trident Housing Association Ltd
Unit 1 Buntsford Business Park
Buntsford Park Road
Bromsgrove
B60 3DX

For the attention of: Mr John Colbert

COAL MINING RISK ASSESSMENT
BRUNT LANE, WOODVILLE, SWADLINCOTE

Dear John,

1.0 INTRODUCTION

In December 2020, ASL was instructed by Tricas Construction Ltd and Trident Housing Association Ltd to undertake a Coal Mining Risk Assessment (CMRA) for a site known as Brunt Lane, Woodville, Swadlincote.

The scope of these works was detailed in ASL estimate reference 192-20-675.elo.3317, dated 24th June 2020 which was formerly accepted by Tricas Construction Ltd in PO No. TCL/L152/001, dated 26th November 2020.

It is understood that the proposed development comprises the construction of a new housing development. A proposed development layout plan is presented in Appendix I.

This assessment presents the results of data searches relating to coal mining activity at and in the vicinity of the site. The assessment includes interpretative comment on the potential risks from any identified mining activity in relation to the proposed development. Recommendations are also provided in relation to the need for any further works considered necessary to mitigate any identified risks.

2.0 THE SITE

The site is located off Brunt Lane to the north of the High Street in Woodville, Swadlincote, located approximately 2km south-east of Swadlincote, at approximate National Grid Reference (NGR) SK 317 191. The site location is included on Figure 1.

The site covers an area of approximately 0.4ha and is divided into two main areas. The larger part to the north-west comprises dilapidated barn type structures in the north and west with the remainder of the site covered in grass and the south-eastern part is currently occupied by sheds and gardens. The access to the site is off Brunt Lane to the east via an existing garden.

The site is set within a generally residential area. The site layout is presented as Figure 2.

3.0 GEOLOGY

Reference to British Geological Survey (BGS) Sheet No. 141 – Loughborough (Solid and Drift) and BGS Geoindex Viewer indicates that the geology underlying the site to be devoid of drift deposits and directly underlain by solid geology of the Pennine Lower Coal Measures.

In addition, the BGS indicates Made Ground in the form of 'Artificial Ground' to be present immediately to the east of the site and extending approximately 100m from the site. Made Ground is also shown within 500m to the north and west of the site and extensively around 1km to the west and south of the site.

The Pennine Lower Coal Measures are described as 'Interbedded grey mudstone, siltstone and pale grey sandstone, commonly with mudstones containing marine fossils in the lower part, and more numerous and thicker coal seams in the upper part'. The geological plan indicates the Well Coal Seam to be beneath the site. The geological section line (to the south of the site) indicates a second coal seams outcropping to the north-east and possibly beneath the site, although given the dip of the seams these would be at a much greater depth.

Given the underlying geology it is considered that the site is in an area that may be affected by coal mining and a Coal Authority Consultants Coal Mining Report was obtained and is presented in Appendix II.

4.0 COAL AUTHORITY REPORT

The Coal Authority Consultants Coal Mining Report, reference 51002333075004, dated 1st December 2020, indicates there are no records of previous coal mining at the site, although coal is present beneath the site with probable shallow unrecorded workings. Two mine entries are indicated approximately 70m to the south east of the site, coinciding with the area of Made Ground shown by the BGS, and both of these features have been treated.

The report indicates the presence of an outcrop of coal, the Well Coal Seam, a workable seam, on the site at a bearing of 290 degrees. No geological faults or fissures were identified within the site boundary. There are no remediated sites or coal mining subsidence within 50m of the site and no Coal Authority managed tips, mine gas or mine water treatment schemes within 500m of the site and there is no future underground mining or coal mining licenses recorded.

The Coal Authority has not received a damage notice or claim for the subject property, or any property within 50m and the site has not been subject to remedial works by or on behalf of the Coal Authority.

In terms of the recorded mine entries, they are referenced 431319-00 and 431319-010 at NGR SK 318 190 to the south-east of the site. The report states that the mine openings were grouted and capped under the supervision of Ground Risk Management for Cameron Homes in 2005.

In terms of the opencast mining, an unlicensed open cast site is shown approximately 250m west and south-west of the site, the extent of which is shown on the plan presented in the Coal Authority Consultants Coal Mining Report (Appendix II).

5.0 ABANDONMENT PLANS

As stated in the Coal Authority Consultants Coal Mining Report the only abandonment indicated in the vicinity of the site is a Privately Owned map which is not available.

6.0 PREVIOUS SITE INVESTIGATION

No previous investigation records are available for the site. A BGS borehole record 170m south of the site indicates, based on drillers records, limited topsoil and disturbed ground to 0.5m bgl, superficial deposits to 3.5m bgl and mudstone, siltstone and sandstone to the final depth. A 0.3m thick band of 'black shaley coal' was identified at a depth of 15m bgl and the borehole terminated in black shale at 19.4m bgl.

7.0 DISCUSSION

The available information shows the site to be in a general area of former coal mining, evidenced by shafts to the east of the site and open cast mining to the west of the site and is within an area where coal outcrops and the presence of shallow coal is probable.

Therefore the presence of unrecorded working beneath the site cannot be excluded and it is recommended that no development works are undertaken until the actual risk posed by former coal mining activities at the site has been established. It is therefore considered that intrusive investigative works will be required at the site to establish the presence of shallow workings beneath the site.

8.0 FURTHER WORKS

It is recommended that a series of rotary boreholes are drilled at the site to determine if coal workings are present at shallow depth beneath the site that pose a risk to the proposed development.

It is recommended that a minimum of three rotary boreholes are drilled to a depth of approximately 30m bgl located across the site and corresponding to the proposed development. The proposed scope of intrusive may need to be agreed with the Coal Authority, Building Control and/or the Planning Authority in advance to ensure their requirements are addressed.

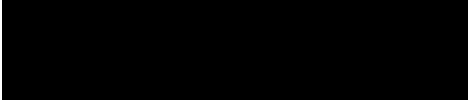
If shallow workings are identified at the site, these may also require remediation if the site is to undergo development. Remedial works are likely to comprise drilling and grouting on a grid pattern beneath the proposed development.

It is considered that following appropriate investigation and the necessary remedial works based on the findings of the investigation that proposed scheme could be developed.



We trust you find this to be satisfactory and should you have any queries please do not hesitate to contact us.

Yours sincerely
for ASL



PETE WILTON
Associate Director
BEng, MSc, CGeol, FGS, MIMMM, ACSM

M: 07545 289 206
E: pete.wilton@aslenvironmental.co.uk
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Figures

Appendix I	Proposed Development Plan
Appendix II	Coal Authority Consultants Mining Report



FIGURES



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OS Map Sheet No. 128 Derby and Burton Upon Trent, 1:50,000 Scale, dated 2016.

Notes:
Not to Scale

Drawing No.	Figure 1
Drawing Name	Site Location Plan
Project Name	Brunt Lane, Woodville
Client Name	Tricas Construction Ltd
Project No.	192-20-675

ASL
Holly Farm Business Park
Honiley
Warwickshire
CV8 1NP

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Notes:
Not to Scale

Drawing No.	Figure 2
Drawing Name	Site Layout Plan
Project Name	Brunt Lane, Woodville
Client Name	Tricas Construction Ltd
Project No.	192-20-675

ASL
Holly Farm Business Park
Honiley
Warwickshire
CV8 1NP

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APPENDIX I

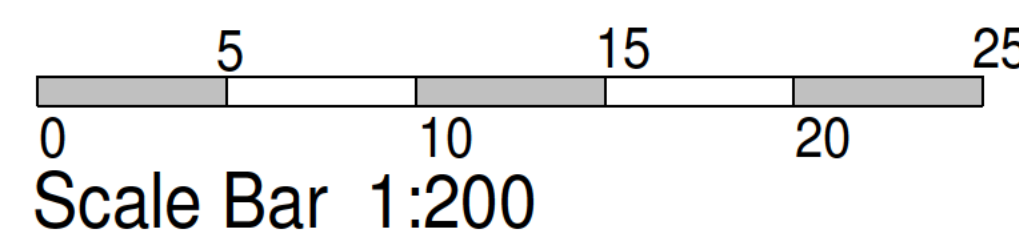
PROPOSED DEVELOPMENT LAYOUT

PROPOSED RESIDENTIAL DEVELOPMENT AT BRUNT LANE, SWADLINGCOTE

LEGEND

- TURFED AREAS
- PRECAST CONCRETE PAVING
- TARMACADAM PARKING
- TREES TO BE REMOVED
- NEW TREE PLANTING
- TARMACADAM HIGHWAY / FOOTWAY
- BLOCK PAVED PARKING
- REFUSE CONTAINERS

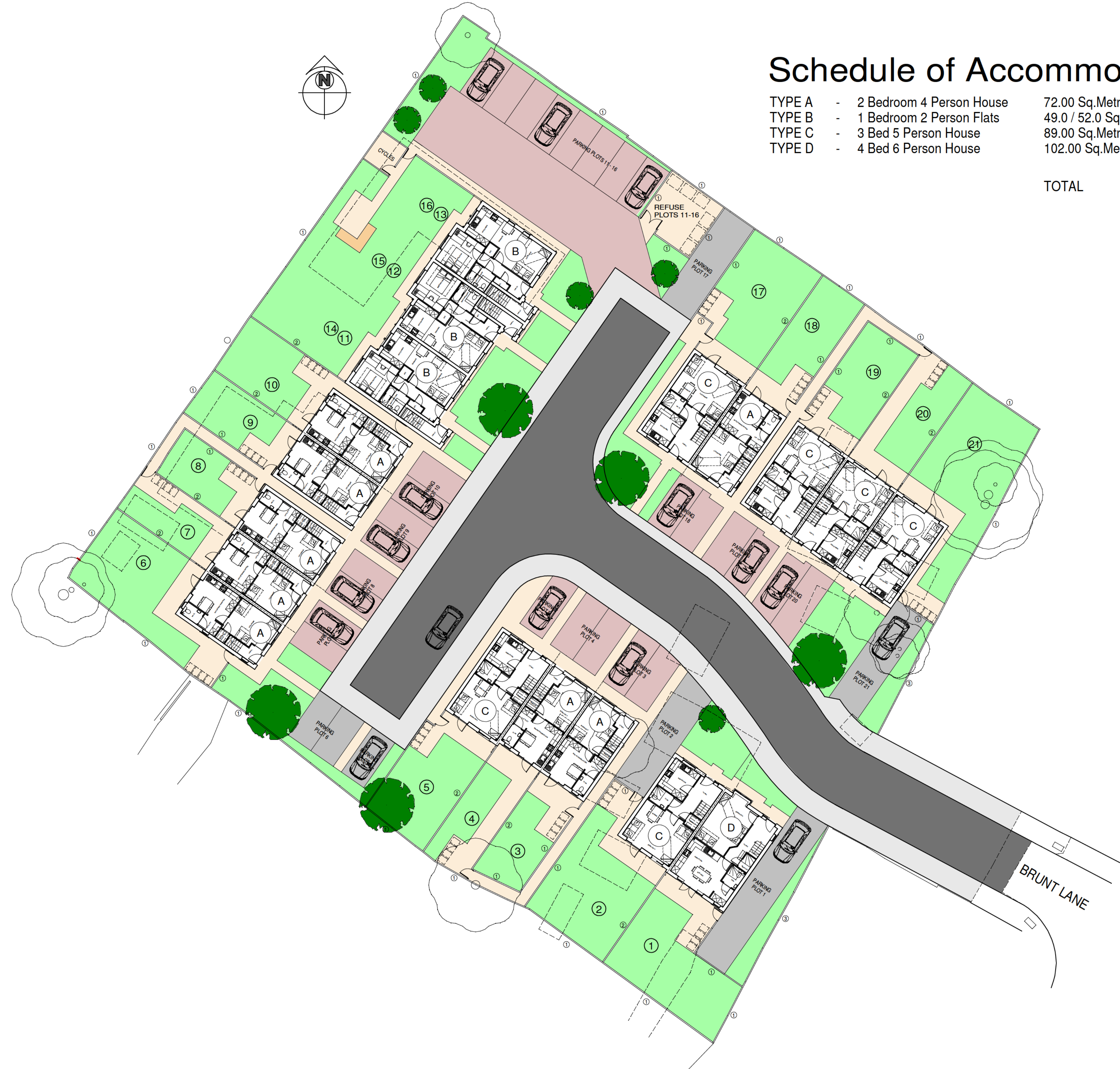
- BOUNDARY TREATMENTS
- 1800mm CLOSE VERTICAL. BOARDED TIMBER FENCE WITH CONCRETE POSTS AND PLINTH PANEL
 - 1500mm CLOSE VERTICAL. BOARDED TIMBER FENCE WITH CONCRETE POSTS AND PLINTH PANEL
 - 900mm CLOSE VERTICAL. BOARDED TIMBER FENCE WITH CONCRETE POSTS AND PLINTH PANEL



SITE LAYOUT

Schedule of Accommodation

TYPE A	- 2 Bedroom 4 Person House	72.00 Sq.Metres	8	CAR PARKING
TYPE B	- 1 Bedroom 2 Person Flats	49.0 / 52.0 Sq.Metres	6	1 Bed Flat 133%
TYPE C	- 3 Bed 5 Person House	89.00 Sq.Metres	6	2 / 3 bed House 200%
TYPE D	- 4 Bed 6 Person House	102.00 Sq.Metres	1	4 bed House 300%
TOTAL				21No



Draft
nicol thomas

Rev:	Date	Description

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architects project managers construction cost consultants CDM
co-ordinators
Registered in England and Wales, Reg No. 2140639
Quality Assured to BS EN ISO 9001:1994 Certificate Number GB 4723
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01706 280088 01706 280099 exotham@nicolthomas.com
Also at Birmingham (Registered office)
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Client:	TAYLOR LAND DEVELOPMENTS		
Job:	BRUNT LAND, SWADLINGCOTE		
Drawing title:	PROPOSED SITE LAYOUT		
Drawing Number: (Job number)	M4621.PL.01	DRAFT	Revision:
Scale:	1:200 @ A1		
Date:	20.10.20		
Drawn by/ checked by:	S		



APPENDIX II

COAL AUTHORITY REPORT

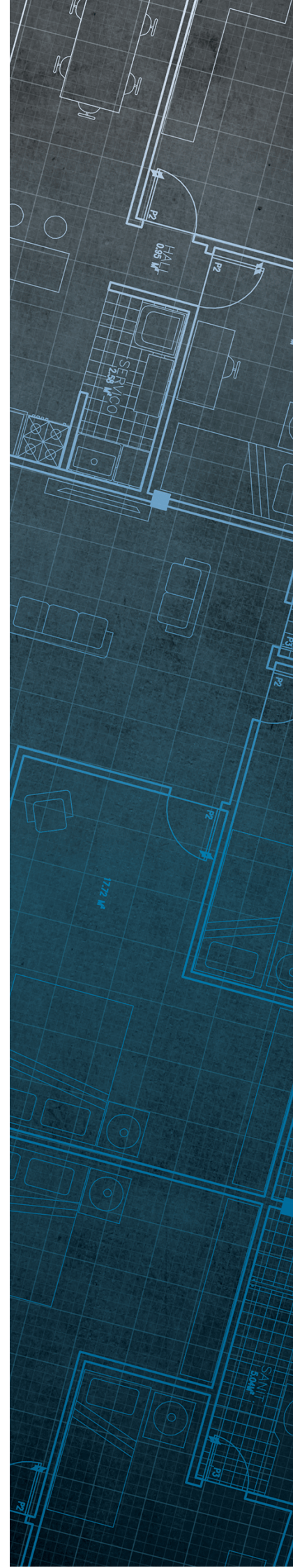


The Coal
Authority

Consultants Coal Mining Report

Land At Brunt Lane
Woodville
Swadlincote
Derbyshire

Date of enquiry:	1 December 2020
Date enquiry received:	1 December 2020
Issue date:	1 December 2020
Our reference:	51002333075004
Your reference:	269868306_1



Consultants

Coal Mining Report

This report is based on and limited to the records held by the Coal Authority at the time the report was produced.

Client name

NLIS Hub

Enquiry address

Land At Brunt Lane
Woodville
Swadlincote
Derbyshire

How to contact us

0345 762 6848 (UK)
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200 Lichfield Lane
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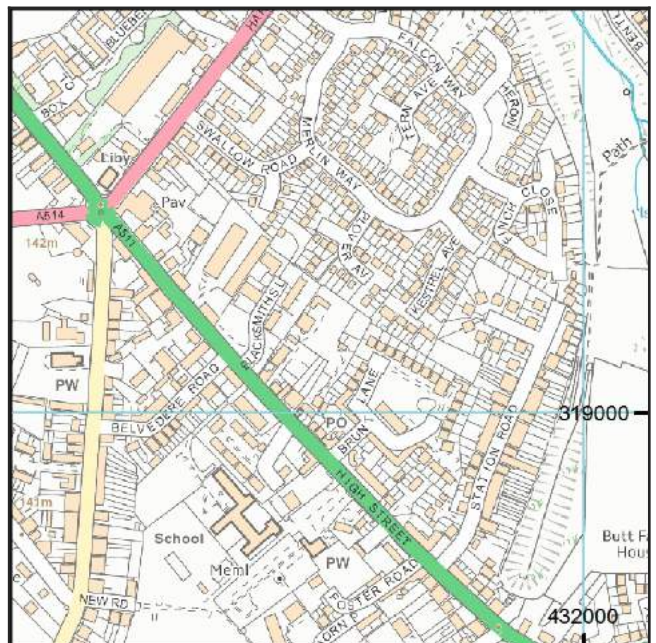
www.groundstability.com

 @coalauthority

 /company/the-coal-authority

 /thecoalauthority

 /thecoalauthority



Approximate position of property



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Section 1 – Mining activity and geology

Past underground mining

No past mining recorded.

Probable unrecorded shallow workings

Yes.

Spine roadways at shallow depth

No spine roadway recorded at shallow depth.

Mine entries

Entry type	Reference	Grid reference	Treatment description	Mineral	Conveyancing details
Shaft	431319-006	431833 319028	was grouted under the supervision of Ground Risk Management for Cameron Homes Ltd in July 2005 it was subsequently capped with a reinforced concrete cap	Coal	
Shaft	431319-010	431816 319004	was grouted and a grout cap/plug formed over it under the supervision of Ground Risk Management for Cameron Homes Limited in July 2005	Coal	

Abandoned mine plan catalogue numbers

The following abandoned mine plan catalogue numbers intersect with some, or all, of the enquiry boundary:

PO0		
-----	--	--

Please contact us on 0345 762 6848 to determine the exact abandoned mine plans you require based on your needs.

Outcrops

Seam name	Mineral	Seam workable	Distance to outcrop (m)	Direction to outcrop	Bearing of outcrop
WELL	Coal	Yes	Within	N/A	290

Geological faults, fissures and breaklines

No faults, fissures or breaklines recorded.

Opencast mines

Please refer to the “Summary of findings” map (on separate sheet) for details of any opencast areas within 500 metres of the enquiry boundary.

Coal Authority managed tips

None recorded within 500 metres of the enquiry boundary.

Section 2 – Investigative or remedial activity

Please refer to the 'Summary of findings' map (on separate sheet) for details of any activity within the area of the site boundary.

Site investigations

None recorded within 50 metres of the enquiry boundary.

Remediated sites

None recorded within 50 metres of the enquiry boundary.

Coal mining subsidence

The Coal Authority has not received a damage notice or claim for the subject property, or any property within 50 metres of the enquiry boundary, since 31 October 1994.

There is no current Stop Notice delaying the start of remedial works or repairs to the property.

The Coal Authority is not aware of any request having been made to carry out preventive works before coal is worked under section 33 of the Coal Mining Subsidence Act 1991.

Mine gas

None recorded within 500 metres of the enquiry boundary.

Mine water treatment schemes

None recorded within 500 metres of the enquiry boundary.

Section 3 – Licensing and future mining activity

Future underground mining

None recorded.

Coal mining licensing

None recorded within 200 metres of the enquiry boundary.

Court orders

None recorded.

Section 46 notices

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

Withdrawal of support notices

The property is not in an area where a notice to withdraw support has been given.

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

Payments to owners of former copyhold land

The property is not in an area where a relevant notice has been published under the Coal Industry Act 1975/Coal Industry Act 1994.

Section 4 – Further information

Based on the responses in this report, no further information has been highlighted.

Section 5 – Data definitions

The datasets used in this report have limitations and assumptions within their results. For more guidance on the data and the results specific to the enquiry boundary, please **call us on 0345 762 6848** or **email us at groundstability@coal.gov.uk**.

Past underground coal mining

Details of all recorded underground mining relative to the enquiry boundary. Only past underground workings where the enquiry boundary is within 0.7 times the depth of the workings (zone of likely physical influence) allowing for seam inclination, will be included.

Probable unrecorded shallow workings

Areas where the Coal Authority believes there to be unrecorded coal workings that exist at or close to the surface (less than 30 metres deep).

Spine roadways at shallow depth

Connecting roadways either, working to working, or, surface to working, both in-seam and cross measures that exist at or close to the surface (less than 30 metres deep), either within or within 10 metres of the enquiry boundary.

Mine entries

Details of any shaft or adit either within, or within 100 metres of the enquiry boundary including approximate location, brief treatment details where known, the mineral worked from the mine entry and conveyance details where the mine entry has previously been sold by the Authority or its predecessors British Coal or the National Coal Board.

Abandoned mine plan catalogue numbers

Plan numbers extracted from the abandoned mines catalogue containing details of coal and other mineral abandonment plans deposited via the Mines Inspectorate in accordance with the Coal Mines Regulation Act and Metalliferous Mines Regulation Act 1872. A maximum of 9 plan extents that intersect with the enquiry boundary will be included. This does not infer that the workings and/or mine entries shown on the abandonment plan will be relevant to the site/property boundary.

Outcrops

Details of seam outcrops will be included where the enquiry boundary intersects with a conjectured or actual seam outcrop location (derived by either the British Geological Survey or the Coal Authority) or intersects with a defined 50 metres buffer on the coal (dip) side of the outcrop. An indication of whether the Coal Authority believes the seam to be of sufficient thickness and/or quality to have been worked will also be included.

Geological faults, fissures and breaklines

Geological disturbances or fractures in the bedrock. Surface fault lines (British Geological Survey derived data) and fissures and breaklines (Coal Authority derived data) intersecting with the enquiry boundary will be included. In some circumstances faults, fissures or breaklines have been known to contribute to surface subsidence damage as a consequence of underground coal mining.

Opencast mines

Opencast coal sites from which coal has been removed in the past by opencast (surface) methods and where the enquiry boundary is within 500 metres of either the licence area, site boundary, excavation area (high wall) or coaling area.

Coal Authority managed tips

Locations of disused colliery tip sites owned and managed by the Coal Authority, located within 500 metres of the enquiry boundary.

Site investigations

Details of site investigations within 50 metres of the enquiry boundary where the Coal Authority has received information relating to coal mining risk investigation and/or remediation by third parties.

Remediated sites

Sites where the Coal Authority has undertaken remedial works either within or within 50 metres of the enquiry boundary following report of a hazard relating to coal mining under the Coal Authority's Emergency Surface Hazard Call Out procedures.

Coal mining subsidence

Details of alleged coal mining subsidence claims made since 31 October 1994 either within or within 50 metres of the enquiry boundary. Where the claim relates to the enquiry boundary confirmation of whether the claim was accepted, rejected or whether liability is still being determined will be given. Where the claim has been discharged, whether this was by repair, payment of compensation or a combination of both, the value of the claim, where known, will also be given.

Details of any current 'Stop Notice' deferring remedial works or repairs affecting the property/site, and if so the date of the notice.

Details of any request made to execute preventative works before coal is worked under section 33 of the Coal Mining Subsidence Act 1991. If yes, whether any person withheld consent or failed to comply with any request to execute preventative works.

Mine gas

Reports of alleged mine gas emissions received by the Coal Authority, either within or within 500 metres of the enquiry boundary that subsequently required investigation and action by the Coal Authority to mitigate the effects of the mine gas emission.

Mine water treatment schemes

Locations where the Coal Authority has constructed or operates assets that remove pollutants from mine water prior to the treated mine water being discharged into the receiving water body.

These schemes are part of the UK's strategy to meet the requirements of the Water Framework Directive. Schemes fall into 2 basic categories: Remedial – mitigating the impact of existing pollution or Preventative – preventing a future pollution incident.

Mine water treatment schemes generally consist of one or more primary settlement lagoons and one or more reed beds for secondary treatment. A small number are more specialised process treatment plants.

Future underground mining

Details of all planned underground mining relative to the enquiry boundary. Only those future workings where the enquiry boundary is within 0.7 times the depth of the workings (zone of likely physical influence) allowing for seam inclination will be included.

Coal mining licensing

Details of all licenses issued by the Coal Authority either within or within 200 metres of the enquiry boundary in relation to the under taking of surface coal mining, underground coal mining or underground coal gasification.

Court orders

Orders in respect of the working of coal under the Mines (Working Facilities and Support) Acts of 1923 and 1966 or any statutory modification or amendment thereof.

Section 46 notices

Notice of proposals relating to underground coal mining operations that have been given under section 46 of the Coal Mining Subsidence Act 1991.

Withdrawal of support notices

Published notices of entitlement to withdraw support and the date of the notice. Details of any revocation notice withdrawing the entitlement to withdraw support given under Section 41 of the Coal Industry Act 1994.

Payment to owners of former copyhold land

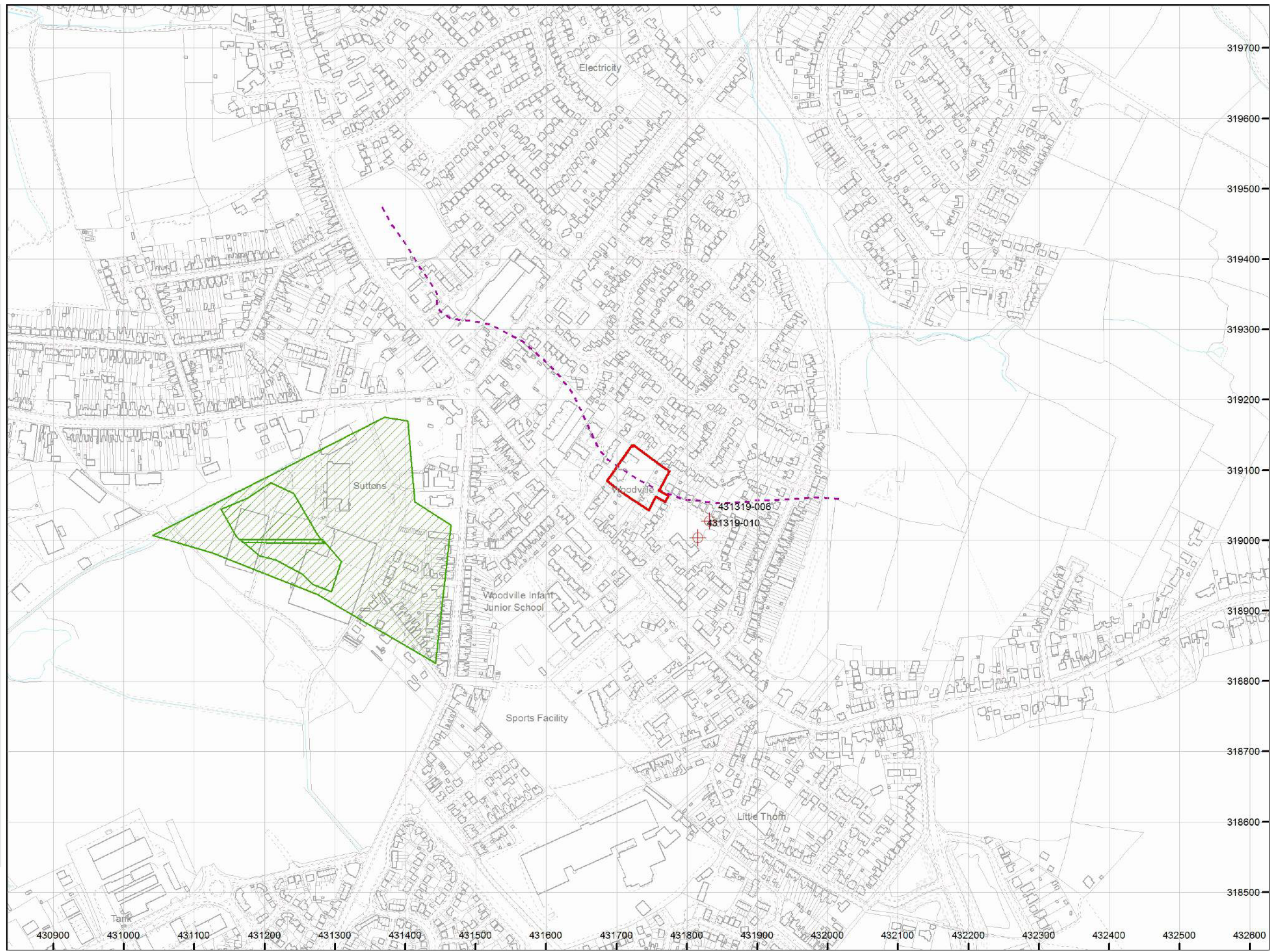
Relevant notices which may affect the property and any subsequent notice of retained interests in coal and coal mines, acceptance or rejection notices and whether any compensation has been paid to a claimant.

The map highlights any specific surface or subsurface features within or near to the boundary of the site.

Key

- Approximate position of the enquiry boundary shown 
- Disused mine shaft 
- Outcrop (Conjectured) 
- Unlicensed opencast site 

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APPENDIX E

