

Report No: C722  
Date: January 2025

**PRELIMINARY INVESTIGATION  
of land adjacent to  
40 HIGH STREET, CROWLE, SCUNTHORPE,  
NORTH LINCOLNSHIRE**



Prepared for  
**Mr Simon Chapman**

Prepared by  
G&M Consulting Ltd, The Chestnuts, Brackenhill Road, Haxey, Doncaster DN9 2LR





<b>REPORT NUMBER:</b>	C722	<b>REPORT STATUS:</b>	Final
<b>REPORT TYPE:</b>	Preliminary Investigation		
<b>REPORT DATE:</b>	January 2025		
<b>SITE:</b>	Land adjacent to 40 High Street, Crowle, Scunthorpe, North Lincolnshire		
<b>PREPARED FOR:</b>	Mr Simon Chapman		
<b>PREPARED BY:</b>	A Swinbourne BSc. (Hons), MIEnvSc, ACIEH, FGS		Senior Engineering Geologist
<b>REVIEWED BY:</b>	G Swinbourne BSc. (Hons), MSc., DIC, FGS		Principal Engineering Geologist

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**PRELIMINARY INVESTIGATION**  
**of land adjacent to**  
**40 HIGH STREET, CROWLE, SCUNTHORPE, NORTH LINCOLNSHIRE**

## **1.0 INTRODUCTION.**

G&M Consulting Ltd (G&M) was commissioned by Mr Simon Chapman, to undertake a preliminary investigation (desk study) of a plot of land adjacent to 40 High Street, Crowle, Scunthorpe, North Lincolnshire. It is understood that approval is being sought for the development of the site with a single residential dwelling. This report has been commissioned to support the discharge any contaminated land conditions associated with the approval. The development layout drawing is presented on Drawing No 02A, prepared by The Rural Architect, a copy of which is presented in Appendix A of this report.

The aims of this investigation are as follows;

- To determine the land use history of the site from an inspection of available historical Ordnance Survey (OS) plans;
- To determine the environmental setting of the site, including the details of the geology, hydrogeology and hydrology;
- To determine the likelihood of shallow mine workings beneath the site;
- To determine whether the site had previously been used for any purpose that may have given rise to significant ground contamination;
- Develop a Preliminary Conceptual Site Model; and,
- To provide recommendations for any further works, if required.

As part of the desk study, information was sourced from GroundSure Limited (GroundSure), British Geological Survey (BGS), The Coal Authority (CA), The Environment Agency (EA) and Building Research Establishment (BRE). A site inspection (walk-over survey) was also carried out by a G&M Geologist on the 5<sup>th</sup> January 2025.

This report is based on the data obtained from the preliminary investigation, it is limited to that data, and responsibility cannot be accepted for conditions not revealed by the investigation. Any diagram or opinion of the possible configuration of the ground conditions is conjectural and given for guidance only.

During the course of the site walk-over G&M did not note the possible presence of Japanese Knotweed on the subject site. However, it should be borne in mind G&M are not qualified ecologists and as such cannot guarantee the absence of knotweed or other invasive vegetation. If necessary, the possible presence of such vegetation should be confirmed by a qualified ecologist.

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## 2.0 SITE DESCRIPTION.

### 2.1 Site Location.

The site is located to the east of High Street (A161), in the centre of the town of Crowle, approximately 13 km north-west of Scunthorpe town centre, at National Grid Reference SE 773 129. A site location plan is shown on Drawing No. C722/1, presented in Appendix A of this report.

### 2.2 Site Features.

The site is a flat lying rectangular shaped piece of land, with the long axis trending east-west. The site lies at a level of approximately 10m above Ordnance Datum (OD).

The whole site is currently concrete hardstand, the site is bounded to the north by a wooden fence, behind which is a residential property, the eastern boundary of the site is formed of a brick wall to an adjacent kitchen manufacturing business. The southern boundary is formed of a breeze block wall to an adjacent car repair garage. The site is bounded to the west by a wooden gate (through which the site is accessed), behind which is a gravel track providing access to the adjacent residential property. An empty skip was noted in the north-east corner of the site. Industrial racking was noted adjacent to the eastern boundary of the site.

A set of site condition photographs have been retained by G&M for inspection if required. However, a selection of photographs taken during the walkover survey are presented in Appendix C of this report.

## 3.0 SITE HISTORY.

A GroundSure report was commissioned, as part of this investigation, in order to review the environmental and regulatory information for the site and the immediate surrounding area. A copy of the report is presented in Appendix B of this report. A summary of the findings of the report and the general setting of the site is described in the following sections.

The GroundSure report contains historical Ordnance Survey maps which have been reviewed. Below is a summary of the salient points relating to the history of the site, dated from 1885. It is not the intention of this report to describe, in detail, all the changes that have occurred on or adjacent to the site, only those pertinent to the proposed development. This approach is intended to reduce uncertainty in the desk study review process to an acceptable level in line with BS10175:2011+A2:2017.

Date ( & 1Scale)	Site Usage	Surrounding Area Usage
1885 & 1890 (1:10,560) & 1886 & 1893 (1:2,500) County Series	<ul style="list-style-type: none"> <li>Site shown to be undeveloped</li> </ul>	<ul style="list-style-type: none"> <li>Development to all boundaries of the site</li> <li>Flax mills shown approximately 20m to the south</li> </ul>
1908 (1:10,560) & 1907 (1:2,500) County Series	<ul style="list-style-type: none"> <li>No significant change</li> </ul>	<ul style="list-style-type: none"> <li>Building adjacent to south eastern boundary, labelled 'chapel'</li> <li>Railway line shown approximately 20mm to the east of the site</li> </ul>

1948 (1:10,560) County Series & 1951 (1:10,560) Provisional	<ul style="list-style-type: none"> <li>No significant change.</li> </ul>	<ul style="list-style-type: none"> <li>Flax Mills no longer shown</li> </ul>
1968/1969 & 1969/1971 (1:2,500) & 1973 (1:10,000) (National Grid	<ul style="list-style-type: none"> <li>Small unlabelled building shown along south western boundary</li> </ul>	<ul style="list-style-type: none"> <li>Fire station shown adjacent to north eastern boundary</li> </ul>
1979/1981 (1:2,500) & & 1981 (1:10,000) National Grid	<ul style="list-style-type: none"> <li>No significant change</li> </ul>	<ul style="list-style-type: none"> <li>Garage shown approximately 80m to the north west</li> <li>Railway line shown as disused</li> </ul>
1985/1988 & 1988/1991 (1:1,250) National Grid	<ul style="list-style-type: none"> <li>No significant change</li> </ul>	<ul style="list-style-type: none"> <li>No significant change</li> </ul>
1993 & 1:2,500 (1:2,500) National Grid	<ul style="list-style-type: none"> <li>No significant change</li> </ul>	<ul style="list-style-type: none"> <li>No significant change</li> </ul>
2001 (1:10,000) National Grid & 2003 (1:1,250) LandLine	<ul style="list-style-type: none"> <li>No significant change.</li> </ul>	<ul style="list-style-type: none"> <li>No significant change</li> </ul>
2010 & 2025 (1:10,000) National Grid	<ul style="list-style-type: none"> <li>No significant change</li> </ul>	<ul style="list-style-type: none"> <li>No significant change</li> </ul>

## 4.0 ENVIRONMENTAL SETTING.

### 4.1 Published Geology

<b>Maps/publications referenced</b>	1:63,360, Sheet 79 (Goole) Solid & Drift Edition 1971 BGS online Geindex interactive map. Groundsure Report Ref: GS-HGF-88Y-3GA-PHX
<b>Drift Geology</b>	Sutton Sand Formation – Devensian age
<b>Solid Geology</b>	Mercia Mudstone Group – Mudstone – Triassic in age
<b>Dip</b>	None shown locally
<b>Faults</b>	No faults mapped within 500m of site

### 4.2 GroundSure Geolnsight

The GroundSure report contains a Geolnsight report, this presents the published geology, as detailed above together with a risk assessment on potential geological hazards. All risks identified as less than moderate are not discussed further. All identified natural hazard risks at the site are deemed to be low, very low or negligible.

### 4.3 Hydrology

The site is not shown to be located within a Flood Zone 2 or Flood Zone 3 area.

The highest risk posed to the site from '*Surface Water Flooding*' according to the GroundSure Report is highlighted to be '*1 in 30 year, 0.1-0.3m (within 50m)*'. According to the GroundSure Report, the risk posed to the site by groundwater flooding is '*Low (within 50m)*'.

There are no recorded 'Historical Flood Events' recorded within 250m of site.

According to the GroundSure report, there are four surface water features within 250m of the site. The closest is shown 189m to the south east and referenced as *'inland river not influenced by normal tidal action'*.

The site is identified to lie within the catchment of *'North Soak Drain Catchment (Trib of the Torne and Three Rivers'* in the operational catchment of the *'Isle of Axholme'*.

The site is not shown to be within a *"Nitrate Sensitive Area"* but is within a *"Nitrate Vulnerable Zone"*.

#### **4.4 Hydrogeology**

Information provided by the EA indicates that the underlying superficial deposits (Sutton Sand Formation) are classified as *'Secondary A Aquifer'*, which is defined as having;

*'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.'*

Information provided by the EA indicates that the underlying bedrock (Mercia Mudstone Group) is classified as *'Secondary B Aquifer'*, which is defined as having;

*'Predominantly lower permeability layers, which may store/yield limited amounts of groundwater due to localised features such as fissures, thin permeable horizons and weathering. These are generally the water bearing parts of former non-aquifers'*

The site is shown not to be within a Source Protection Zone.

The GroundSure Report identifies that the site is positioned within an area where Groundwater Vulnerability for the superficial deposits is *'High'* and bedrock geology is *'Medium'*.

#### **4.5 Mining and Quarrying**

According to the CA interactive map (<http://mapaps2.bgs.co.uk/coalauthority/home.html>) the site does not lie within a *'development high risk area'*.

The GroundSure Report identifies two records relating to *'Surface Ground Workings'* within 250m of the site. Both relate to *'cuttings'* 245m to the north east of the site.

#### **4.6 Radon**

The GroundSure report contains information on Radon Affected Areas as defined by the Health Protection Agency (HPA) and indicates that:

- "The site is in a Radon Affected Area, where less than 1% of properties are above the Action Level".
- "No radon protective measures are necessary".

#### **4.7 Additional Environmental Information**

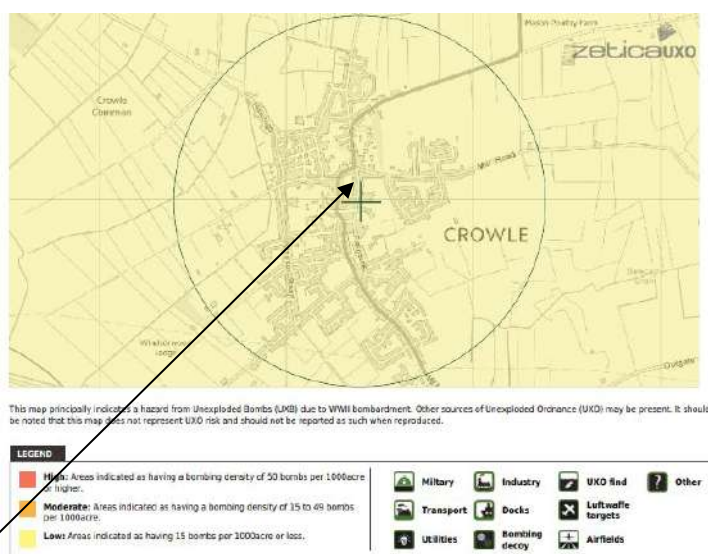
The GroundSure report, presented in Appendix B, also contains information on other potential pollution sources on and off site, a summary of these are presented below together with recommendations for further consideration.

Source	Location	Discussion	Does source warrant further consideration
Historic Tanks	On site	None identified	No
	Within 250m	5 No shown. The closest is shown 136m to the east and referenced 'unspecified tank' on the OS map dated 1998	
Historic Energy Facilities	On site	None identified	No
	Within 250m	6 No shown: The closest shown 12m north-east, referenced as 'Electricity substation' on the OS map dated 1978	
Petrol and Fuel sites	On site	None identified	No
	Within 250m		
Garage/Motor Vehicle Repair	On site	None identified	Yes
	Within 250m	4 No shown; The closest is shown 68m north-west, on the OS map dated 1981/1988	
Surface Ground Workings	On site	None identified	No
	Within 250m	2 No shown; The closest is shown 243m to the north east and referenced as 'cuttings'	
Environmental permits/incidents/registers	On site	None identified	No
	Within 250m	None identified	
Licenced/Permitted/ Authorised industrial sites	On site	None identified	No
	Within 250m		
Part A1/IPC Authorisations	On site	None identified	No
	Within 250m		
Red List discharge consents	On site	None identified	No
	Within 250m		
Dangerous substances	On site	None identified	No
	Within 250m		
A2/Part B Activities/ Enforcements	On site	None identified	No
	Within 250m		
Radioactive substances	On site	None identified	No
	Within 250m		
Licenced Discharge Consents	On site	None identified	No
	Within 250m		
Water Industry Referrals	On site		No

Source	Location	Discussion	Does source warrant further consideration
	Within 250m	None identified	
Hazardous Substances	On site	None identified	No
	Within 250m		
Pollution Incidents	On site	None identified	No
	Within 250m		
Historic Landfill/Waste Sites	On site	None identified	No
	Within 250m		
Waste treatment, transfer or disposal sites	On site	None identified	No
	Within 250m	None identified	
Underground cables/pipelines	On site	None identified	No
	Within 500m		
Recent Industrial Sites Data	On site	None identified	Yes
	Within 250m	10 No shown: The closest are shown 6m to the south-west and referenced as 'Chapman Motors' – 'vehicle repairs, testing and servicing' and 15m to the north-east as 'Fire Brigade Station.	

### 4.8 Unexploded Ordnance

Area shown to be within a low risk zone. The risk map taken from available information provided by Zetica Ltd, is shown below.



The Site

## 5.0 PRELIMINARY CONCEPTUAL SITE MODEL.

### 5.1 Introduction

The findings of the desk study have been used to identify and assess potential sources of contamination and to develop a preliminary conceptual model of the site in order to investigate potential pollution linkages and identify complete pollutant linkages that may require further investigation or analysis and/or remediation. This approach is in line with the principals of Land Contamination Risk Management (LCRM) - Environment Agency July 2023.

The scope of the model is intended primarily to identify potential impacts to human health and environmental receptors from potential on-site and off-site contamination sources.

Source-Pathway-Receptor elements within the model are defined as follows:

<b>Contaminant Source</b>	A hazardous substance or agent, present at levels that have the potential to cause harm or damage a receptor.
<b>Receptor</b>	An entity (human, aquatic environment, flora and fauna etc) that is vulnerable to the adverse effects of the contaminant.
<b>Pathway</b>	The means by or through which a contaminant comes into contact with or otherwise effects a receptor.

Where all three elements are present, the relationship is termed a complete 'pollution linkage'. It should be recognised that for a health or environmental harm to occur and for potential unacceptable risk to exist, all three elements of the relationship or linkage must be present.

The purpose of the site-specific conceptual model is to support:

1. Hazard assessment – analysis of the potential for unacceptable risk: pathways and receptors that could be present.
2. Risk estimation – a prediction of the magnitude and probability of the possible consequences of any exposure: what degree of harm may result and the likelihood of harm.
3. Risk evaluation – decision as to whether a risk is unacceptable.

It should be noted that if a potential contaminant source is identified but there is no receptor present that can be adversely affected, no harm or damage can arise. Similarly, even where both a contaminant and a receptor are present, no harm or damage will occur if there is no pathway by or through which a linkage between the two can be established and therefore a risk may be acceptable.

In assessing risk, the categorisation shown below has been developed. The table is intended to be an aid to assessing the degree of risk. It should be noted that in terms of Part 2A of the Environmental Protection Act 1990 (as amended) there is no differing degree of risk. It is either 'significant' or not.

<b>Term</b>	<b>Description</b>
Very High Risk	There is a high probability that severe harm could arise to a designated receptor from an identified hazard at the site without appropriate remedial action

Term	Description
High Risk	Harm is likely to arise to a designated receptor from an identified hazard at the site without appropriate remedial action
Moderate Risk	It is possible that without appropriate remedial action harm could arise to a designated receptor. It is relatively unlikely that any such harm would be severe, and if any harm were to occur it is more likely that such harm would be relatively mild.
Low Risk	It is possible that harm could arise to a designated receptor from an identified hazard. It is likely that, at worst, if any harm was realised any effects would be mild.
Negligible Risk	The presence of an identified hazard does not give rise to the potential to cause harm to a designated receptor.

## 5.2 Assessment of Potential Sources of Contamination

Potential sources of contamination have been assessed which include both current and historical on-site sources together with those originating from off-site locations which may migrate onto the site.

The whole site is currently concrete hardstand, the site is bounded to the north by a wooden fence, behind which is a residential property, the eastern boundary of the site is formed of a brick wall to an adjacent kitchen manufacturing business. The southern boundary is formed of a breeze block wall to an adjacent car repair garage. The site is bounded to the west by a wooden gate (through which the site is accessed), behind which is a gravel track providing access to the adjacent residential property. An empty skip was noted in the north-east corner of the site. Industrial racking was noted adjacent to the eastern boundary of the site.

Historical maps show the site to have been undeveloped until sometime prior to 1968, when an unlabeled building is shown along the south western boundary of the site. At the time of the walkover survey this building was not present on site.

Two off-site sources of potential contamination have been identified as part of this assessment. A vehicle repair and servicing garage is located adjacent to the south-western boundary and a fire station is located adjacent to the north-eastern boundary.

## 5.3 Potential Receptors

The following potential receptors have been identified for the site:

Receptor	Details
Human Receptors	Future site occupiers
	Construction workers
Controlled Waters	Sutton Sand Formation (Secondary A) Mercia Mudstone Group (Secondary B)
Built Development	Building foundations/substructures and utility connections.

## 5.4 Potential Pathways

Taking into account the intended use of the site, the following potential pathways by which the above receptors and sources may be linked as follows;

Receptor	Pathway
Human (Future site users, construction workers)	Ingestion of soil/soil dust Dermal contact with soil/soil dust Indoor inhalation of ground gases/volatile organic compounds.
Controlled Waters	Percolation and mobilisation of contaminants within any shallow soils into the groundwater.
Built Development	Direct contact with aggressive ground conditions via migration and/or percolation out of the ground

### 5.5 Qualitative Risk Assessment

The findings of the desk study, and source receptor pathway analyses, have been accounted for and assessed in the conceptual model presented below. The purpose of the model is to determine the potential linkage(s) existing on the site, and the likelihood of the linkage being present and determining a consequent level of risk.

#### Preliminary Conceptual Site Model

Source	Risk	Potential Contaminants	Likely Exposure Pathway/s	Receptor/s	Probability Assessment**
Made Ground (On-site)	Low/Moderate	Inorganic and organic contaminants	Skin contact Ingestion	End users (residential) and construction workers	<b>Likely</b> – site shown to have been undeveloped till at least 1968, when a small unlabelled building shown present on site. Made ground likely on site, associated with previous uses of site.
Made Ground (On-site)	Low/Moderate		Leaching/migration of contaminants through soil	Controlled waters	
		Vapours and fumes from hydrocarbons	Inhalation	End users (residential)	

		Mobile organic contaminant hydrocarbons	Leaching/migration of contaminants through soil	Built Development (Water supply pipes)	<b>Likely.</b> Site used for the storage of motor vehicles, risk of fuel and lubricant spills
	Low	Asbestos Containing Materials (ACMs)	Ingestion/Inhalation	End users (residential) and construction workers	<b>Likely.</b> Potential presence of ACMs associated with demolition of historical building. Possible ACMs present within brake-lining to motor vehicles (historical).
	Negligible/Low	Ground Gas	Inhalation	End users/Built Development	<b>Low likelihood</b> – Site not shown to be underlain by organic alluvial soils which can give rise to the generation of ground gas. Limited made ground likely to be present with historical or current uses of the site. Site not shown to be underlain by shallow mine workings, which can both generate and provide preferential pathways for gas. No current or historical landfills shown within 250m of the site. Radon gas protection measures <b>not</b> shown to be required.
Made Ground (off site).	Negligible/Low	Mobile inorganic/organic contaminant associated with former/current off-site uses	Skin contact Ingestion/Inhalation	End users (residential) and built development (Water supply pipes)	<b>Low Likelihood</b> – Two potential off-site sources of potential contamination have been identified as part of this assessment. A vehicle repair and servicing garage is located adjacent to the south-western boundary and a fire station is located adjacent to the north-eastern boundary. Site shown to be underlain by relatively permeable Sutton Sand Formation, allowing movement of mobile contaminants.

\*\* Definitions and Classifications of Risk Assessment Terminology presented in Appendix D of this report

The preliminary conceptual site model has identified potential complete pollutant linkages that are considered to require further risk assessment and investigation.

**6.0 CONCLUSIONS AND RECOMMENDATIONS.**

G&M Consulting Ltd (G&M) was commissioned by Mr Simon Chapman, to undertake a preliminary investigation (desk study) of a plot of land adjacent to 40 High Street, Crowle, Scunthorpe, North Lincolnshire. It is understood that approval is being sought for the development of the site with a single residential dwelling. This report has been commissioned to support the discharge any contaminated land conditions associated with the approval. The development layout drawing is presented on Drawing No 02A, prepared by The Rural Architect, a copy of which is presented in Appendix A of this report.

The site is not shown to be located within a Flood Zone 2 or a Flood Zone 3 area.

The highest risk posed to the site from ‘Surface Water Flooding’ according to the GroundSure Report is highlighted to be ‘1 in 30 year, 0.1-0.3m (within 50m)’. According to the GroundSure Report, the risk posed to the site by groundwater flooding is ‘Low (within 50m)’.

There are no recorded ‘Historical Flood Events’ recorded within 250m of site.

The site is not shown to be within a designated Source Protection Zone.

Records indicate the site is shown to be underlain by superficial deposits (Sutton Sand Formation), the solid geology of the Mercia Mudstone is noted to underlie the site.

According to the Coal Authority interactive map (<http://mapaps2.bgs.co.uk/coalauthority/home.html>), the site does not lie within a 'development high risk area'.

The whole site is currently concrete hardstand, the site is bounded to the north by a wooden fence, behind which is a residential property, the eastern boundary of the site is formed of a brick wall to an adjacent kitchen manufacturing business. The southern boundary is formed of a breeze block wall to an adjacent car repair garage. The site is bounded to the west by a wooden gate (through which the site is accessed), behind which is a gravel track providing access to the adjacent residential property. An empty skip was noted in the north-east corner of the site. Industrial racking was noted adjacent to the eastern boundary of the site.

Sources of contamination have been assessed which include both current and historical on-site sources together with those originating from off-site locations which may migrate onto the site.

Historical maps show the site to have been undeveloped until sometime prior to 1968, when an unlabeled building is shown along the south western boundary of the site. At the time of the walkover survey this building was not present on site.

Two off-site sources of potential contamination have been identified as part of this assessment. A vehicle repair and servicing garage is located adjacent to the south-western boundary and a fire station is located adjacent to the north-eastern boundary.

Radon protection measures are **not** shown to be required for any new build properties at the site.

It is however considered that there may be a residual risk from volatile organic compounds associated with hydrocarbon spillages, in the area of the private garages in the south of the site. This risk should be further refined as part of an intrusive ground investigation, refer below.

The risks outlined above necessitate a Phase 2 intrusive ground investigation, the outline scope of which should comprise;

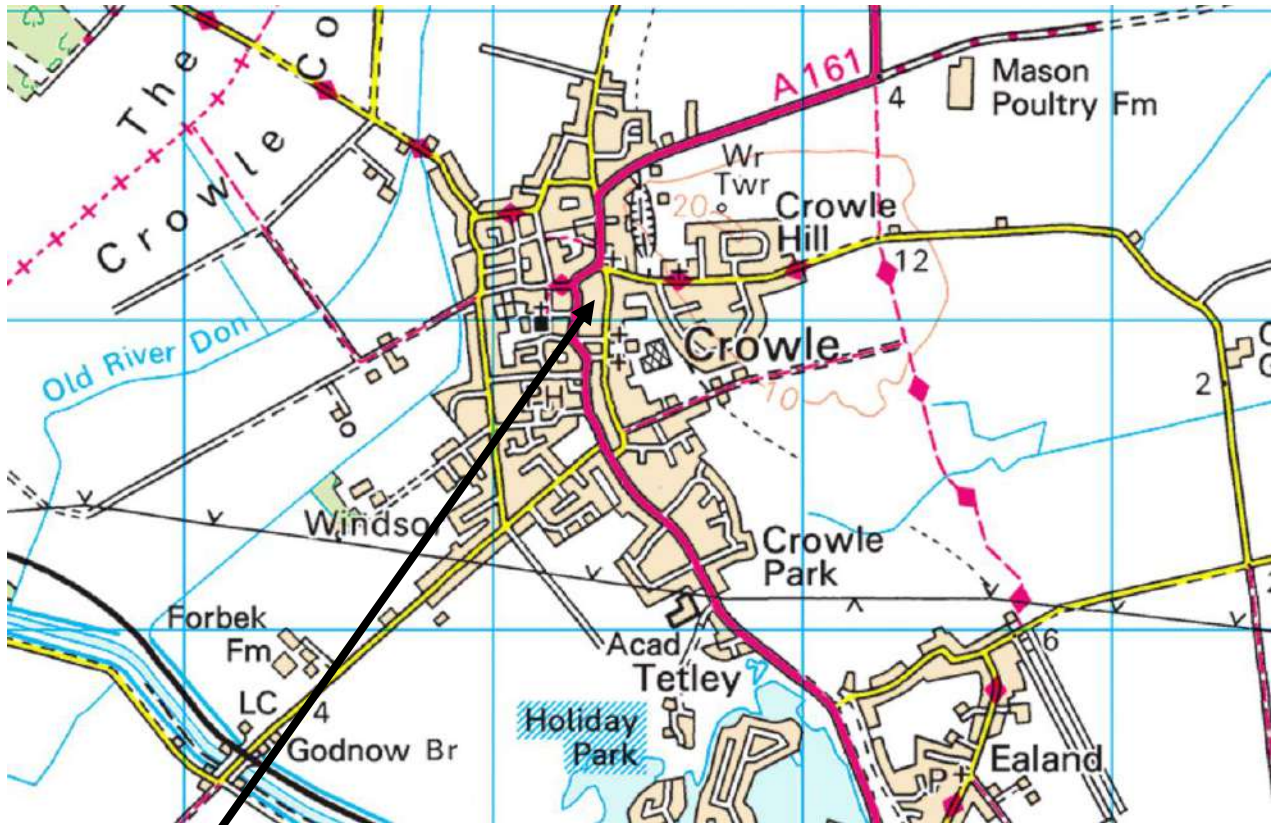
- Window sample boreholes drilled across the site to adequately characterise the made ground and shallow natural soils and groundwater across the site.
- Installation and monitoring of three combined ground gas/ground water wells. Monitoring in accordance with C665:2007. Water samples to be recovered from installations.
- In-field soil sampling and screening (utilising a Photo Ionisation Detector (PID)).
- Soil samples should be collected in appropriate containers and subject to chemical soil analysis including a range of testing suites including, metals, pH, water soluble sulphate, phenol, speciated TPHs, speciated PAHs and asbestos screening.
- Compilation of the data gathered during the Phase 2 site investigation into an interpretive report, with the preparation of a Remediation Strategy, if necessary.

The conclusions and recommendations presented above are considered practical based on the findings of this report. However, they cannot however be guaranteed to gain regulatory approval, and therefore this report should be submitted to the regulators for their comment/approval as part of the planning process and before any development work takes place.



# **APPENDIX A**

## **DRAWINGS**



**The Site**

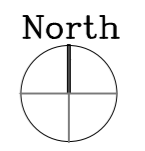
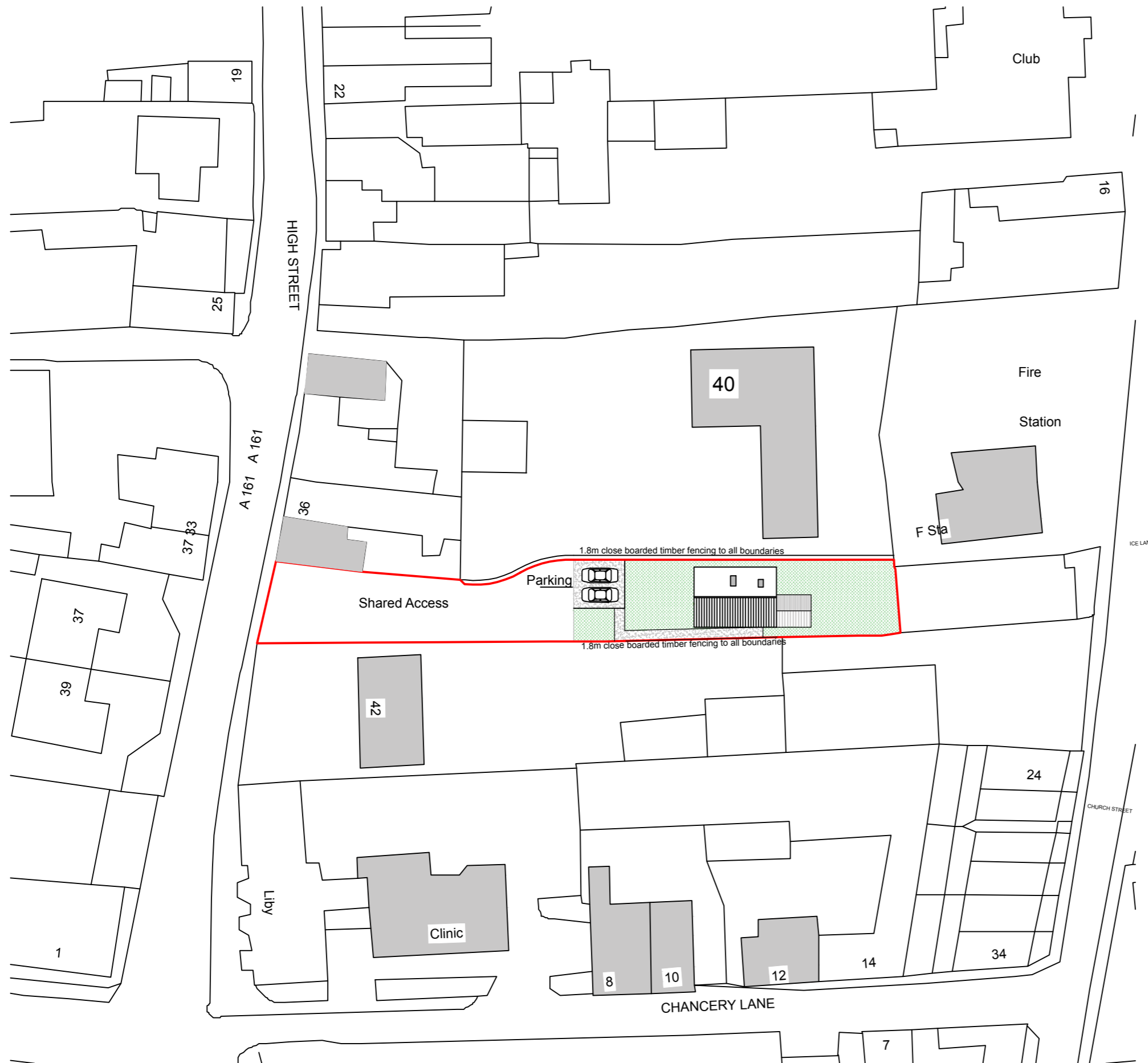
## **Site Location Plan    Drawing No C722/1**

Map reproduced from Ordnance Survey. On behalf of the  
Controller of Her Majesty's Stationary Office. Crown  
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all dimensions to be checked on site and architect notified of any discrepancies prior to commencement.  
**do not scale.**



A	23.04.21	House orientation revised.	RCB
rev:	date:	comment(s):	name:

status: **PLANNING**  
client: **BRIGHTER INVESTMENTS**  
job: **40 HIGH STREET, CROWLE**  
title: **SITE PLAN**  
date: **MARCH 2021** scale @ a3: **1: 500**  
job no: **21.18** drg no: **02A**



**THE RURAL ARCHITECT**





## **APPENDIX B**

### **GROUNDSURE DOCUMENTS**

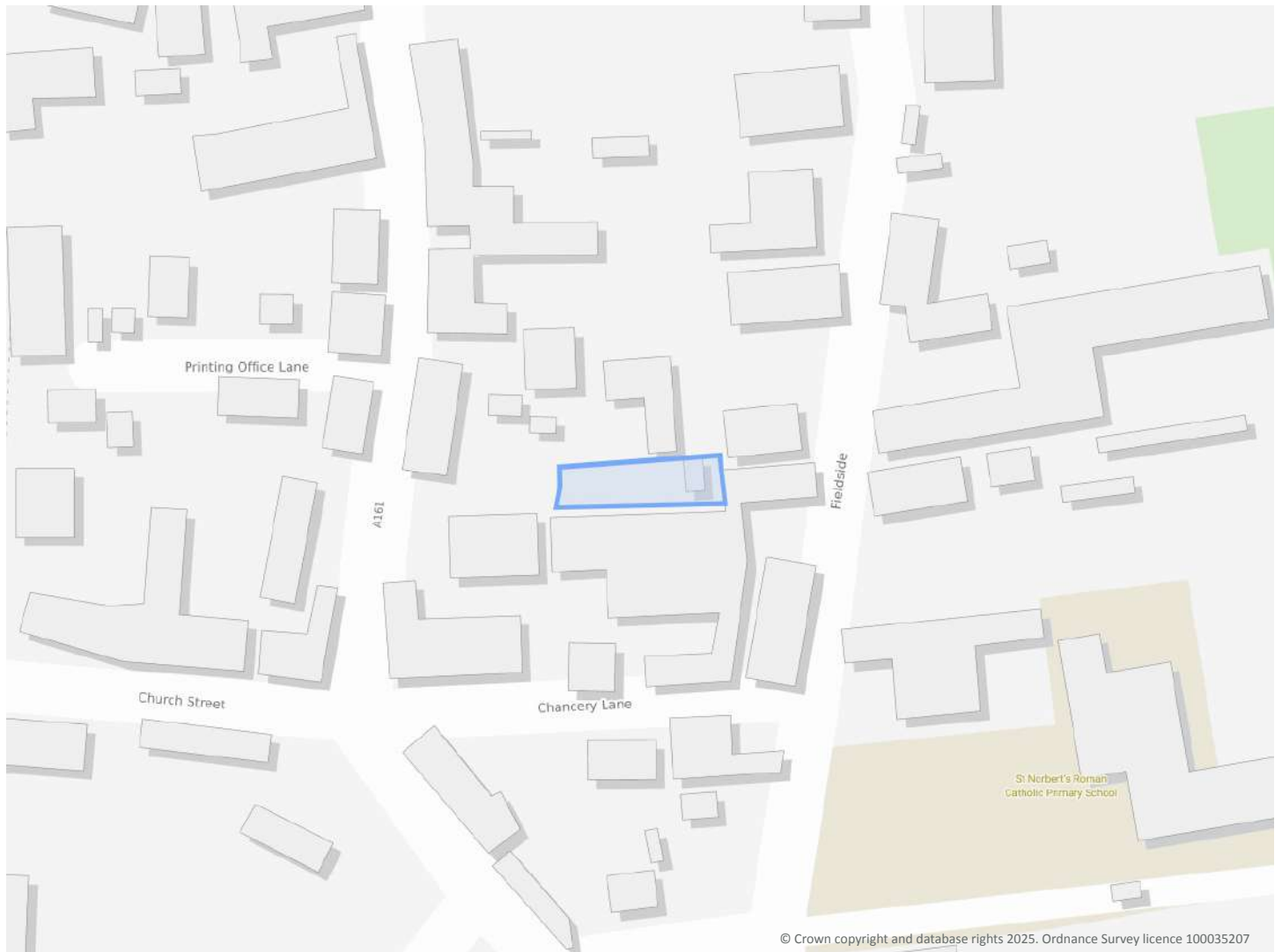
1, FORMER WESLEYAN SUNDAY SCHOOL, FIELDSIDE, CROWLE, NORTH LINCOLNSHIRE, DN17 4HL

## Order Details

**Date:** 24/01/2025  
**Your ref:** C722  
**Our Ref:** GS-HGF-88Y-3GA-PHX

## Site Details

**Location:** 477332 412988  
**Area:** 0.04 ha  
**Authority:** [North Lincolnshire Council](#) ↗



[Summary of findings](#)

[p. 2 >](#)

[Aerial image](#)

[p. 9 >](#)

[OS MasterMap site plan](#)

[p.14 >](#)

[Insight User Guide](#) ↗

Contact us with any questions at:

[info@groundsure.com](mailto:info@groundsure.com) ↗

01273 257 755

## Summary of findings

Page	Section	<a href="#">Past land use &gt;</a>	On site	0-50m	50-250m	250-500m	500-2000m
<a href="#">15 &gt;</a>	<a href="#">1.1 &gt;</a>	<a href="#">Historical industrial land uses &gt;</a>	0	1	8	44	-
<a href="#">18 &gt;</a>	<a href="#">1.2 &gt;</a>	<a href="#">Historical tanks &gt;</a>	0	0	5	6	-
<a href="#">18 &gt;</a>	<a href="#">1.3 &gt;</a>	<a href="#">Historical energy features &gt;</a>	0	1	5	10	-
19	1.4	Historical petrol stations	0	0	0	0	-
<a href="#">20 &gt;</a>	<a href="#">1.5 &gt;</a>	<a href="#">Historical garages &gt;</a>	0	0	4	8	-
20	1.6	Historical military land	0	0	0	0	-
Page	Section	<a href="#">Past land use - un-grouped &gt;</a>	On site	0-50m	50-250m	250-500m	500-2000m
<a href="#">21 &gt;</a>	<a href="#">2.1 &gt;</a>	<a href="#">Historical industrial land uses &gt;</a>	0	1	9	49	-
<a href="#">24 &gt;</a>	<a href="#">2.2 &gt;</a>	<a href="#">Historical tanks &gt;</a>	0	0	8	7	-
<a href="#">24 &gt;</a>	<a href="#">2.3 &gt;</a>	<a href="#">Historical energy features &gt;</a>	0	1	12	20	-
26	2.4	Historical petrol stations	0	0	0	0	-
<a href="#">26 &gt;</a>	<a href="#">2.5 &gt;</a>	<a href="#">Historical garages &gt;</a>	0	0	11	12	-
Page	Section	<a href="#">Waste and landfill &gt;</a>	On site	0-50m	50-250m	250-500m	500-2000m
28	3.1	Active or recent landfill	0	0	0	0	-
28	3.2	Historical landfill (BGS records)	0	0	0	0	-
29	3.3	Historical landfill (LA/mapping records)	0	0	0	0	-
29	3.4	Historical landfill (EA/NRW records)	0	0	0	0	-
29	3.5	Historical waste sites	0	0	0	0	-
29	3.6	Licensed waste sites	0	0	0	0	-
<a href="#">29 &gt;</a>	<a href="#">3.7 &gt;</a>	<a href="#">Waste exemptions &gt;</a>	0	2	25	46	-
Page	Section	<a href="#">Current industrial land use &gt;</a>	On site	0-50m	50-250m	250-500m	500-2000m
<a href="#">36 &gt;</a>	<a href="#">4.1 &gt;</a>	<a href="#">Recent industrial land uses &gt;</a>	0	2	8	-	-
<a href="#">37 &gt;</a>	<a href="#">4.2 &gt;</a>	<a href="#">Current or recent petrol stations &gt;</a>	0	0	0	1	-
37	4.3	Electricity cables	0	0	0	0	-
38	4.4	Gas pipelines	0	0	0	0	-
38	4.5	Sites determined as Contaminated Land	0	0	0	0	-



38	4.6	Control of Major Accident Hazards (COMAH)	0	0	0	0	-
38	4.7	Regulated explosive sites	0	0	0	0	-
38	4.8	Hazardous substance storage/usage	0	0	0	0	-
39	4.9	Historical licensed industrial activities (IPC)	0	0	0	0	-
39	4.10	Licensed industrial activities (Part A(1))	0	0	0	0	-
<b>39 &gt;</b>	<b>4.11 &gt;</b>	<b><u>Licensed pollutant release (Part A(2)/B) &gt;</u></b>	0	0	0	<b>1</b>	-
39	4.12	Radioactive Substance Authorisations	0	0	0	0	-
<b>40 &gt;</b>	<b>4.13 &gt;</b>	<b><u>Licensed Discharges to controlled waters &gt;</u></b>	0	0	0	<b>4</b>	-
40	4.14	Pollutant release to surface waters (Red List)	0	0	0	0	-
41	4.15	Pollutant release to public sewer	0	0	0	0	-
41	4.16	List 1 Dangerous Substances	0	0	0	0	-
41	4.17	List 2 Dangerous Substances	0	0	0	0	-
41	4.18	Pollution Incidents (EA/NRW)	0	0	0	0	-
41	4.19	Pollution inventory substances	0	0	0	0	-
42	4.20	Pollution inventory waste transfers	0	0	0	0	-
42	4.21	Pollution inventory radioactive waste	0	0	0	0	-
Page	Section	<b><u>Hydrogeology &gt;</u></b>	On site	0-50m	50-250m	250-500m	500-2000m
<b>43 &gt;</b>	<b>5.1 &gt;</b>	<b><u>Superficial aquifer &gt;</u></b>	Identified (within 500m)				
<b>44 &gt;</b>	<b>5.2 &gt;</b>	<b><u>Bedrock aquifer &gt;</u></b>	Identified (within 500m)				
<b>46 &gt;</b>	<b>5.3 &gt;</b>	<b><u>Groundwater vulnerability &gt;</u></b>	Identified (within 50m)				
47	5.4	Groundwater vulnerability- soluble rock risk	None (within 0m)				
47	5.5	Groundwater vulnerability- local information	None (within 0m)				
<b>48 &gt;</b>	<b>5.6 &gt;</b>	<b><u>Groundwater abstractions &gt;</u></b>	0	0	0	0	<b>2</b>
<b>49 &gt;</b>	<b>5.7 &gt;</b>	<b><u>Surface water abstractions &gt;</u></b>	0	0	0	0	<b>18</b>
53	5.8	Potable abstractions	0	0	0	0	0
53	5.9	Source Protection Zones	0	0	0	0	-
53	5.10	Source Protection Zones (confined aquifer)	0	0	0	0	-
Page	Section	<b><u>Hydrology &gt;</u></b>	On site	0-50m	50-250m	250-500m	500-2000m
<b>54 &gt;</b>	<b>6.1 &gt;</b>	<b><u>Water Network (OS MasterMap) &gt;</u></b>	0	0	<b>6</b>	-	-



<a href="#">55</a> >	<a href="#">6.2</a> >	<a href="#">Surface water features</a> >	0	0	4	-	-
<a href="#">55</a> >	<a href="#">6.3</a> >	<a href="#">WFD Surface water body catchments</a> >	1	-	-	-	-
<a href="#">56</a> >	<a href="#">6.4</a> >	<a href="#">WFD Surface water bodies</a> >	0	0	0	-	-
<a href="#">56</a> >	<a href="#">6.5</a> >	<a href="#">WFD Groundwater bodies</a> >	1	-	-	-	-
Page	Section	<a href="#">River and coastal flooding</a> >	On site	0-50m	50-250m	250-500m	500-2000m
57	7.1	Risk of flooding from rivers and the sea	None (within 50m)				
58	7.2	Historical Flood Events	0	0	0	-	-
58	7.3	Flood Defences	0	0	0	-	-
<a href="#">58</a> >	<a href="#">7.4</a> >	<a href="#">Areas Benefiting from Flood Defences</a> >	0	0	1	-	-
58	7.5	Flood Storage Areas	0	0	0	-	-
59	7.6	Flood Zone 2	None (within 50m)				
59	7.7	Flood Zone 3	None (within 50m)				
Page	Section	<a href="#">Surface water flooding</a> >					
<a href="#">60</a> >	<a href="#">8.1</a> >	<a href="#">Surface water flooding</a> >	1 in 30 year, 0.1m - 0.3m (within 50m)				
Page	Section	<a href="#">Groundwater flooding</a> >					
<a href="#">62</a> >	<a href="#">9.1</a> >	<a href="#">Groundwater flooding</a> >	Low (within 50m)				
Page	Section	<a href="#">Environmental designations</a> >	On site	0-50m	50-250m	250-500m	500-2000m
<a href="#">63</a> >	<a href="#">10.1</a> >	<a href="#">Sites of Special Scientific Interest (SSSI)</a> >	0	0	0	0	2
64	10.2	Conserved wetland sites (Ramsar sites)	0	0	0	0	0
<a href="#">64</a> >	<a href="#">10.3</a> >	<a href="#">Special Areas of Conservation (SAC)</a> >	0	0	0	0	1
<a href="#">64</a> >	<a href="#">10.4</a> >	<a href="#">Special Protection Areas (SPA)</a> >	0	0	0	0	1
<a href="#">65</a> >	<a href="#">10.5</a> >	<a href="#">National Nature Reserves (NNR)</a> >	0	0	0	0	1
65	10.6	Local Nature Reserves (LNR)	0	0	0	0	0
65	10.7	Designated Ancient Woodland	0	0	0	0	0
66	10.8	Biosphere Reserves	0	0	0	0	0
66	10.9	Forest Parks	0	0	0	0	0
66	10.10	Marine Conservation Zones	0	0	0	0	0
66	10.11	Green Belt	0	0	0	0	0
66	10.12	Proposed Ramsar sites	0	0	0	0	0



67	10.13	Possible Special Areas of Conservation (pSAC)	0	0	0	0	0
67	10.14	Potential Special Protection Areas (pSPA)	0	0	0	0	0
67	10.15	Nitrate Sensitive Areas	0	0	0	0	0
<a href="#">67</a> >	<a href="#">10.16</a> >	<a href="#">Nitrate Vulnerable Zones</a> >	1	0	2	0	0
<a href="#">69</a> >	<a href="#">10.17</a> >	<a href="#">SSSI Impact Risk Zones</a> >	1	-	-	-	-
<a href="#">70</a> >	<a href="#">10.18</a> >	<a href="#">SSSI Units</a> >	0	0	0	0	4
Page	Section	<a href="#">Visual and cultural designations</a> >	On site	0-50m	50-250m	250-500m	500-2000m
73	11.1	World Heritage Sites	0	0	0	-	-
74	11.2	Area of Outstanding Natural Beauty	0	0	0	-	-
74	11.3	National Parks	0	0	0	-	-
<a href="#">74</a> >	<a href="#">11.4</a> >	<a href="#">Listed Buildings</a> >	0	0	14	-	-
<a href="#">75</a> >	<a href="#">11.5</a> >	<a href="#">Conservation Areas</a> >	1	0	0	-	-
75	11.6	Scheduled Ancient Monuments	0	0	0	-	-
76	11.7	Registered Parks and Gardens	0	0	0	-	-
Page	Section	<a href="#">Agricultural designations</a> >	On site	0-50m	50-250m	250-500m	500-2000m
<a href="#">77</a> >	<a href="#">12.1</a> >	<a href="#">Agricultural Land Classification</a> >	Grade 3 (within 250m)				
78	12.2	Open Access Land	0	0	0	-	-
78	12.3	Tree Felling Licences	0	0	0	-	-
78	12.4	Environmental Stewardship Schemes	0	0	0	-	-
78	12.5	Countryside Stewardship Schemes	0	0	0	-	-
Page	Section	<a href="#">Habitat designations</a> >	On site	0-50m	50-250m	250-500m	500-2000m
<a href="#">79</a> >	<a href="#">13.1</a> >	<a href="#">Priority Habitat Inventory</a> >	0	0	1	-	-
80	13.2	Habitat Networks	0	0	0	-	-
80	13.3	Open Mosaic Habitat	0	0	0	-	-
80	13.4	Limestone Pavement Orders	0	0	0	-	-
Page	Section	<a href="#">Geology 1:10,000 scale</a> >	On site	0-50m	50-250m	250-500m	500-2000m
<a href="#">81</a> >	<a href="#">14.1</a> >	<a href="#">10k Availability</a> >	Identified (within 500m)				
82	14.2	Artificial and made ground (10k)	0	0	0	0	-
<a href="#">83</a> >	<a href="#">14.3</a> >	<a href="#">Superficial geology (10k)</a> >	1	0	0	1	-

84	14.4	Landslip (10k)	0	0	0	0	-
<a href="#">85</a> >	<a href="#">14.5</a> >	<a href="#">Bedrock geology (10k)</a> >	1	0	0	1	-
86	14.6	Bedrock faults and other linear features (10k)	0	0	0	0	-
Page	Section	<a href="#">Geology 1:50,000 scale</a> >	On site	0-50m	50-250m	250-500m	500-2000m
<a href="#">87</a> >	<a href="#">15.1</a> >	<a href="#">50k Availability</a> >	Identified (within 500m)				
88	15.2	Artificial and made ground (50k)	0	0	0	0	-
88	15.3	Artificial ground permeability (50k)	0	0	-	-	-
<a href="#">89</a> >	<a href="#">15.4</a> >	<a href="#">Superficial geology (50k)</a> >	1	0	0	1	-
<a href="#">90</a> >	<a href="#">15.5</a> >	<a href="#">Superficial permeability (50k)</a> >	Identified (within 50m)				
90	15.6	Landslip (50k)	0	0	0	0	-
90	15.7	Landslip permeability (50k)	None (within 50m)				
<a href="#">91</a> >	<a href="#">15.8</a> >	<a href="#">Bedrock geology (50k)</a> >	1	0	0	1	-
<a href="#">92</a> >	<a href="#">15.9</a> >	<a href="#">Bedrock permeability (50k)</a> >	Identified (within 50m)				
92	15.10	Bedrock faults and other linear features (50k)	0	0	0	0	-
Page	Section	<a href="#">Boreholes</a> >	On site	0-50m	50-250m	250-500m	500-2000m
<a href="#">93</a> >	<a href="#">16.1</a> >	<a href="#">BGS Boreholes</a> >	0	0	2	-	-
Page	Section	<a href="#">Natural ground subsidence</a> >					
<a href="#">94</a> >	<a href="#">17.1</a> >	<a href="#">Shrink swell clays</a> >	Negligible (within 50m)				
<a href="#">95</a> >	<a href="#">17.2</a> >	<a href="#">Running sands</a> >	Low (within 50m)				
<a href="#">96</a> >	<a href="#">17.3</a> >	<a href="#">Compressible deposits</a> >	Negligible (within 50m)				
<a href="#">97</a> >	<a href="#">17.4</a> >	<a href="#">Collapsible deposits</a> >	Negligible (within 50m)				
<a href="#">98</a> >	<a href="#">17.5</a> >	<a href="#">Landslides</a> >	Very low (within 50m)				
<a href="#">99</a> >	<a href="#">17.6</a> >	<a href="#">Ground dissolution of soluble rocks</a> >	Negligible (within 50m)				
Page	Section	<a href="#">Mining and ground workings</a> >	On site	0-50m	50-250m	250-500m	500-2000m
101	18.1	BritPits	0	0	0	0	-
<a href="#">102</a> >	<a href="#">18.2</a> >	<a href="#">Surface ground workings</a> >	0	0	2	-	-
102	18.3	Underground workings	0	0	0	0	0
102	18.4	Underground mining extents	0	0	0	0	-
102	18.5	Historical Mineral Planning Areas	0	0	0	0	-



103	18.6	Non-coal mining	0	0	0	0	0
103	18.7	JPB mining areas	None (within 0m)				
103	18.8	The Coal Authority non-coal mining	0	0	0	0	-
103	18.9	Researched mining	0	0	0	0	-
104	18.10	Mining record office plans	0	0	0	0	-
104	18.11	BGS mine plans	0	0	0	0	-
<b>104 &gt;</b>	<b>18.12 &gt;</b>	<b>Coal mining &gt;</b>	Identified (within 0m)				
104	18.13	Brine areas	None (within 0m)				
105	18.14	Gypsum areas	None (within 0m)				
105	18.15	Tin mining	None (within 0m)				
105	18.16	Clay mining	None (within 0m)				
Page	Section	Ground cavities and sinkholes	On site	0-50m	50-250m	250-500m	500-2000m
106	19.1	Natural cavities	0	0	0	0	-
106	19.2	Mining cavities	0	0	0	0	0
106	19.3	Reported recent incidents	0	0	0	0	-
106	19.4	Historical incidents	0	0	0	0	-
Page	Section	Radon >					
<b>108 &gt;</b>	<b>20.1 &gt;</b>	<b>Radon &gt;</b>	Less than 1% (within 0m)				
Page	Section	Soil chemistry >	On site	0-50m	50-250m	250-500m	500-2000m
<b>110 &gt;</b>	<b>21.1 &gt;</b>	<b>BGS Estimated Background Soil Chemistry &gt;</b>	1	2	-	-	-
110	21.2	BGS Estimated Urban Soil Chemistry	0	0	-	-	-
110	21.3	BGS Measured Urban Soil Chemistry	0	0	-	-	-
Page	Section	Railway infrastructure and projects >	On site	0-50m	50-250m	250-500m	500-2000m
111	22.1	Underground railways (London)	0	0	0	-	-
111	22.2	Underground railways (Non-London)	0	0	0	-	-
112	22.3	Railway tunnels	0	0	0	-	-
112	22.4	Historical railway and tunnel features	0	0	0	-	-
112	22.5	Royal Mail tunnels	0	0	0	-	-
<b>112 &gt;</b>	<b>22.6 &gt;</b>	<b>Historical railways &gt;</b>	0	0	3	-	-

113	22.7	Railways	0	0	0	-	-
113	22.8	Crossrail 2	0	0	0	0	-
113	22.9	HS2	0	0	0	0	-



## Recent aerial photograph

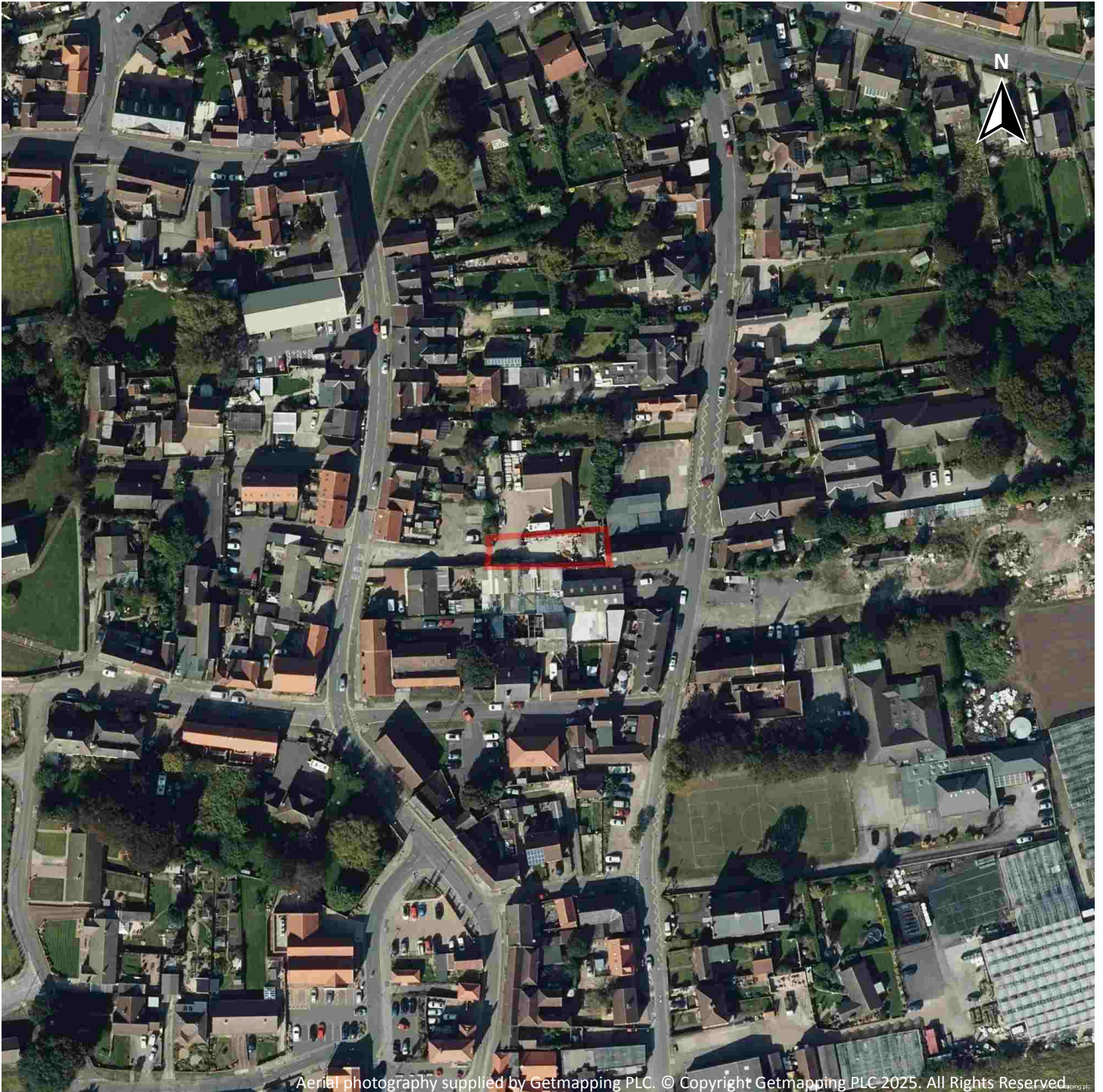


Capture Date: 11/04/2022

Site Area: 0.04ha



## Recent site history - 2019 aerial photograph

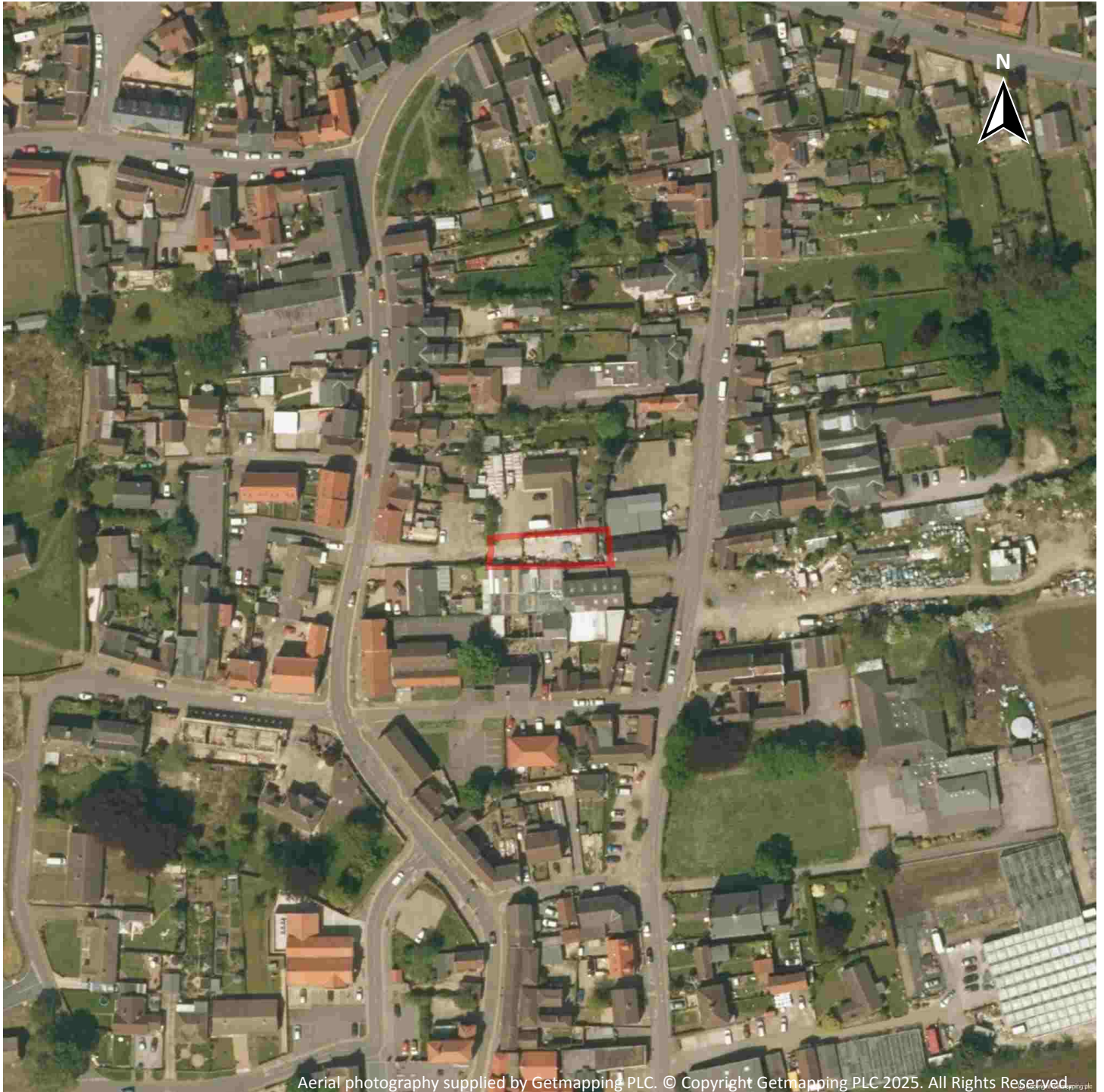


Capture Date: 20/10/2019

Site Area: 0.04ha



## Recent site history - 2014 aerial photograph

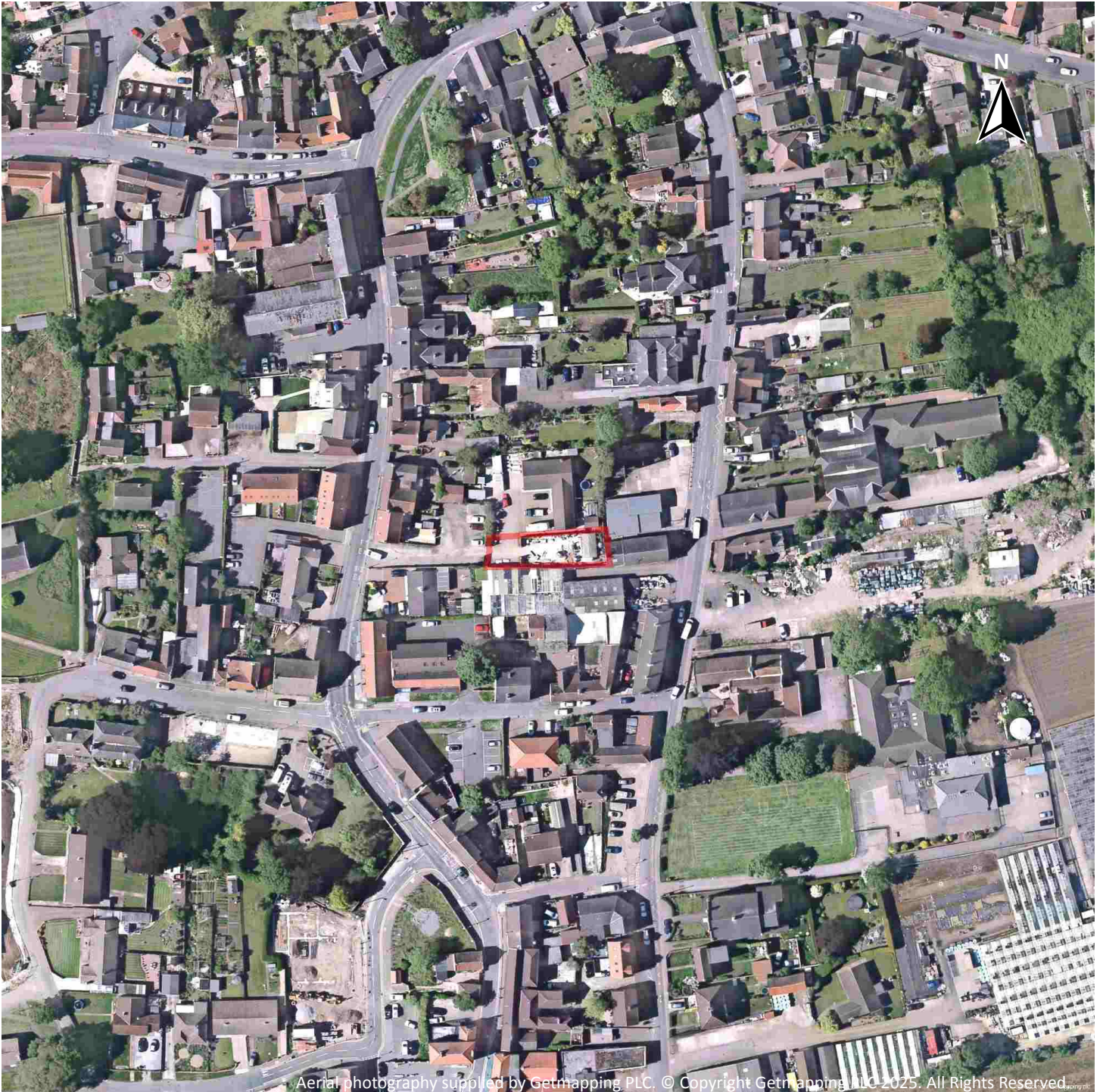


Capture Date: 27/09/2014

Site Area: 0.04ha



## Recent site history - 2013 aerial photograph



Capture Date: 07/06/2013

Site Area: 0.04ha



## Recent site history - 1999 aerial photograph

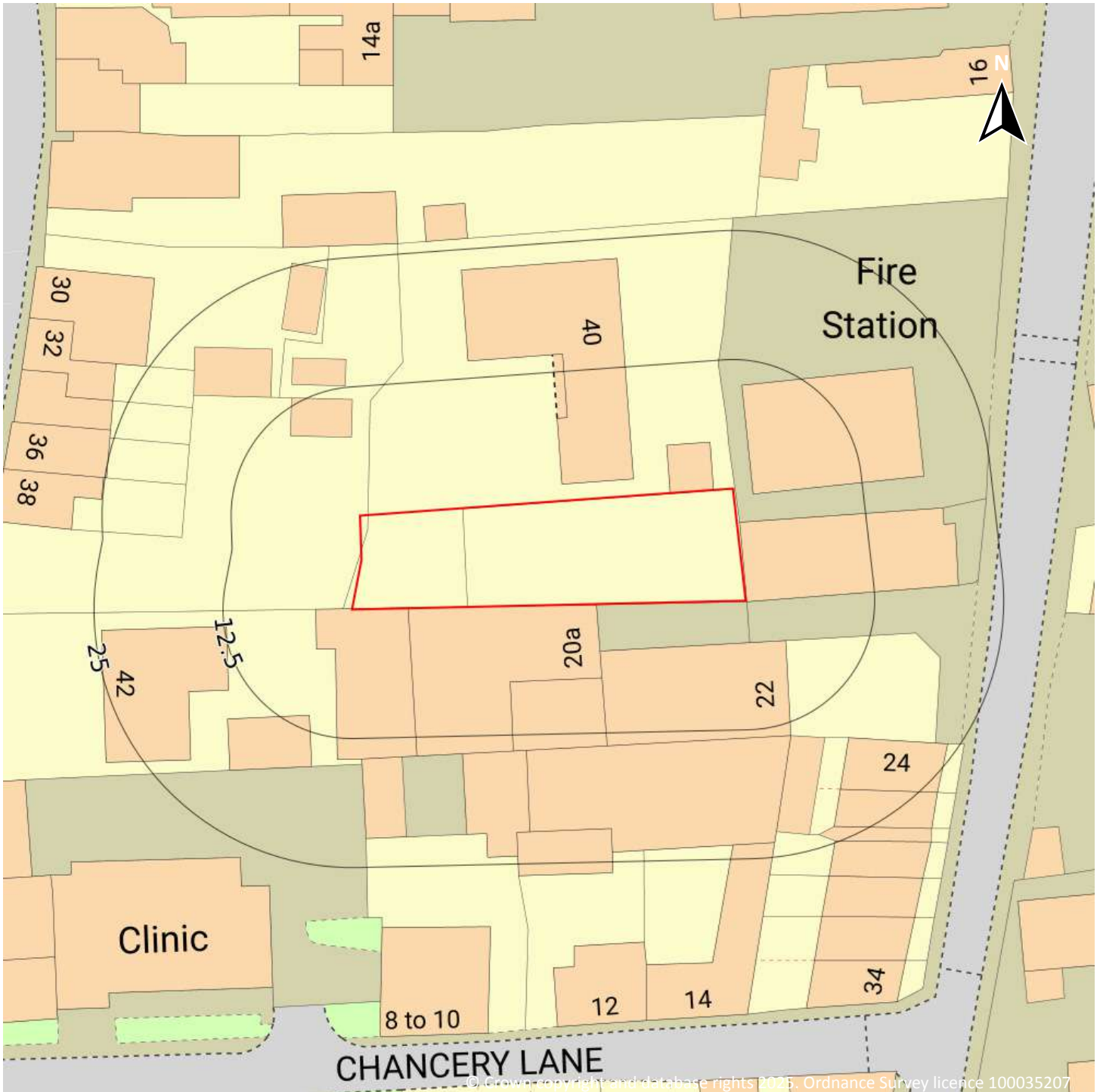


Capture Date: 03/05/1999

Site Area: 0.04ha



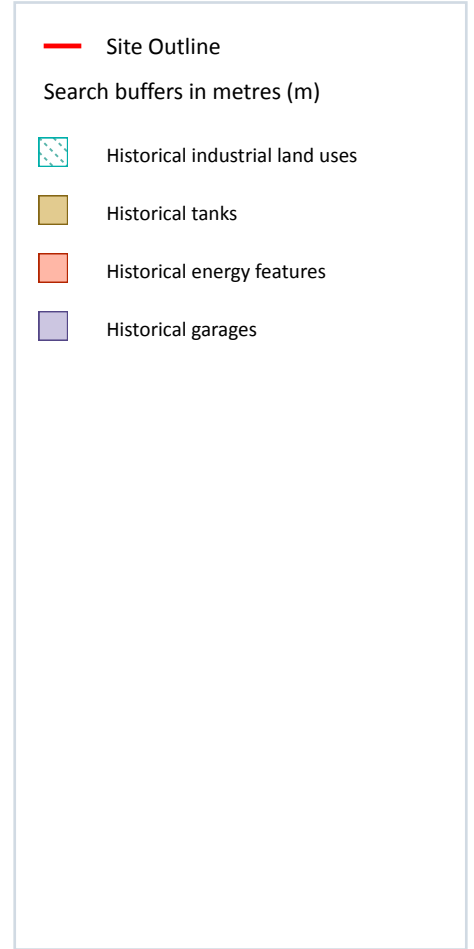
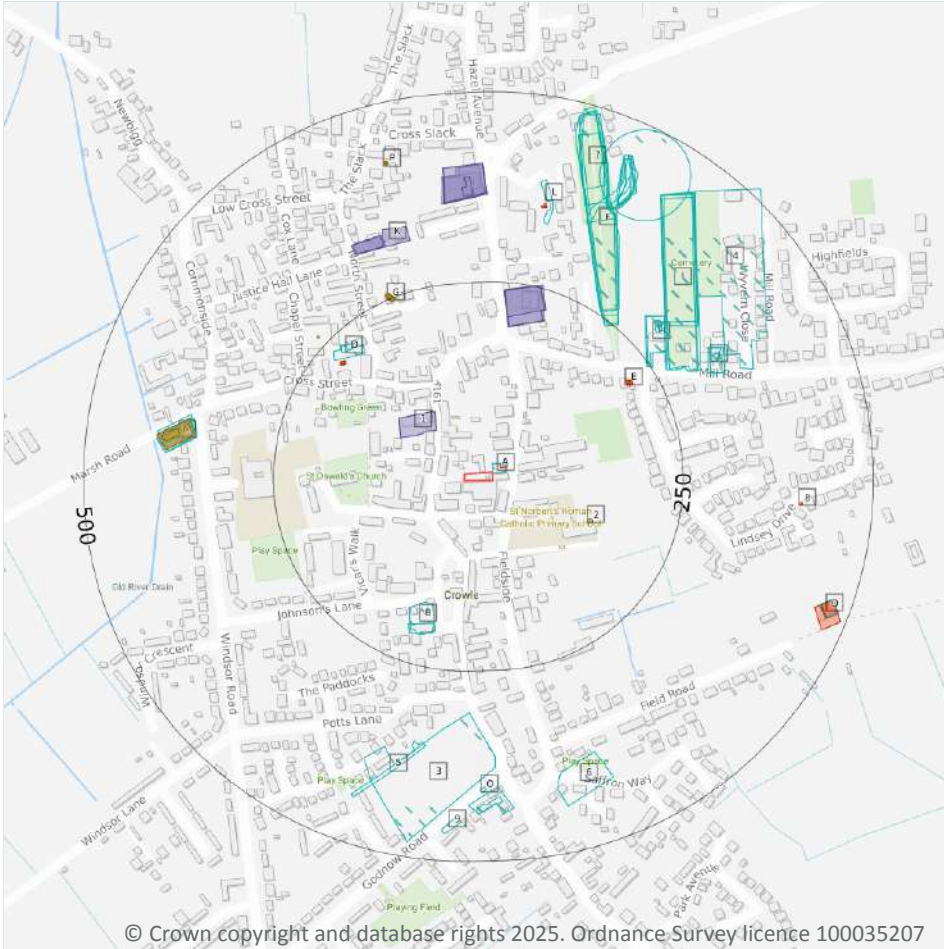
## OS MasterMap site plan



Site Area: 0.04ha



# 1 Past land use



## 1.1 Historical industrial land uses

**Records within 500m** **53**

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

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

ID	Location	Land use	Dates present	Group ID
A	2m E	Fire Station	1973	1443132

ID	Location	Land use	Dates present	Group ID
B	167m SW	Police Station	1890	1485166
B	191m S	Police Station	1973	1554469
D	206m NW	Smithy	1948 - 1951	1540910
D	221m NW	Smithy	1906	1561316
F	243m NE	Cuttings	1908	1485458
F	245m NE	Cuttings	1947	1487537
H	246m NE	Windmill	1885	1568499
H	248m NE	Windmill	1906	1528078
F	251m NE	Cuttings	1906	1554226
F	255m NE	Cuttings	1951	1565522
F	258m NE	Cuttings	1946	1545351
I	265m NE	Cemetery	1951	1538591
I	267m NE	Cemetery	1906	1572499
I	270m NE	Cemetery	1946	1566577
H	284m NE	Unspecified Tank	1951	1482149
H	289m NE	Windmill	1946	1495808
H	289m NE	Unspecified Windmill	1885	1455303
H	290m NE	Unspecified Tank	1890	1489988
I	300m NE	Cemetery	1908	1575155
I	302m NE	Cemetery	1947	1509761
3	305m S	Unspecified Works	1973	1460591
J	313m NE	Windmill	1885	1501872
J	316m NE	Windmill	1906	1565516
J	328m NE	Unspecified Windmill	1885	1455304
J	329m NE	Unspecified Tank	1890	1473621
L	333m N	Unspecified Holes	1906	1465855
4	343m NE	Cemetery	1973	1487976
5	348m S	Rope Walk	1948 - 1951	1517317



ID	Location	Land use	Dates present	Group ID
F	350m NE	Unspecified Ground Workings	1885	1572949
F	351m NE	Cuttings	1973	1495056
M	355m W	Gas Works	1885	1568119
M	358m W	Gas Works	1890	1563056
M	360m W	Gas Works	1906	1580136
M	373m W	Gasometers	1885	1565435
M	374m W	Gasometers	1885 - 1890	1504867
F	379m NE	Unspecified Holes	1951	1579909
M	379m W	Gasometer	1906	1437087
6	381m SE	Smithy	1890	1455026
F	384m NE	Unspecified Pit	1908	1549150
F	384m NE	Unspecified Pit	1973	1506685
F	385m NE	Unspecified Pit	1951	1492643
F	388m NE	Unspecified Ground Workings	1947	1511163
F	389m NE	Unspecified Pit	1946	1527438
F	389m NE	Unspecified Holes	1906	1561010
7	390m N	Cuttings	1973	1500463
M	391m W	Gasometers	1890	1507692
M	392m W	Gasometer	1906	1437086
O	403m S	Smithy	1885	1455024
O	403m S	Smithy	1885	1488671
O	416m S	Smithy	1906	1545214
9	440m S	Smithy	1890	1455025
Q	459m E	Electric Substation	1973	1444179

*This data is sourced from Ordnance Survey / Groundsure.*



## 1.2 Historical tanks

Records within 500m

11

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

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

ID	Location	Land use	Dates present	Group ID
2	136m E	Unspecified Tank	1998	240463
G	246m NW	Tanks	1995	262124
G	246m NW	Tanks	1985 - 1988	246487
G	246m NW	Tanks	1978	257737
G	247m NW	Tanks	1969 - 1985	257553
D	262m NW	Unspecified Tank	1969	240469
M	359m W	Gas Works	1893	236975
M	378m W	Gasometers	1893	237092
P	419m N	Unspecified Tank	1985	245522
P	420m N	Unspecified Tank	1985 - 1988	255268
P	420m N	Unspecified Tank	1995	247680

*This data is sourced from Ordnance Survey / Groundsure.*

## 1.3 Historical energy features

Records within 500m

16

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

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



ID	Location	Land use	Dates present	Group ID
A	12m NE	Electricity Substation	1978	143268
E	211m NE	Electricity Substation	1985 - 1988	155837
D	213m NW	Electricity Transformer	1969 - 1988	151688
E	213m NE	Electricity Substation	1995	156342
D	213m NW	Electricity Substation	1995	143265
E	214m NE	Electricity Substation	1981 - 1985	162033
L	354m N	Electricity Substation	1985 - 1988	150966
L	354m N	Electricity Substation	1981 - 1985	155212
L	355m N	Electricity Substation	1995	159736
M	359m W	Gas Works	1893	144899
M	378m W	Gasometers	1893	144961
8	405m E	Electricity Substation	1995 - 1998	151927
Q	454m E	Electricity Substation	1995 - 1998	158649
Q	461m E	Electricity Substation	1988 - 1991	146834
Q	461m E	Electricity Substation	1968	155148
Q	461m E	Electricity Substation	1971	150592

*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

12

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

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

ID	Location	Land use	Dates present	Group ID
1	68m NW	Garage	1981 - 1988	49314
C	192m N	Garage	1995	49679
C	193m N	Garage	1978 - 1988	46946
C	205m N	Garage	1969	48589
K	315m N	Garage	1981 - 1985	49832
K	317m N	Garage	1995	51949
K	317m N	Garage	1985 - 1988	47425
N	356m N	Garage	1981 - 1985	48206
N	356m N	Garage	1985 - 1988	50256
N	357m N	Garage	1978	50138
N	357m N	Garage	1995	47368
N	364m N	Garage	1969	48482

*This data is sourced from Ordnance Survey / Groundsure.*

## 1.6 Historical military land

Records within 500m

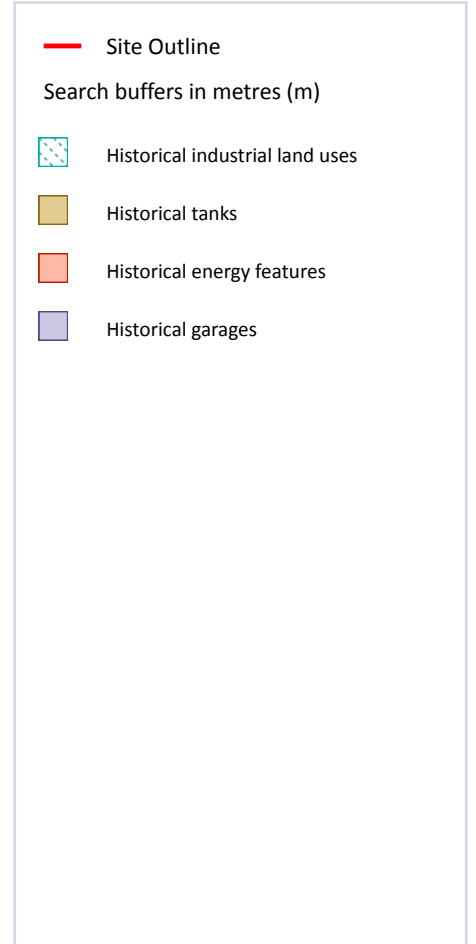
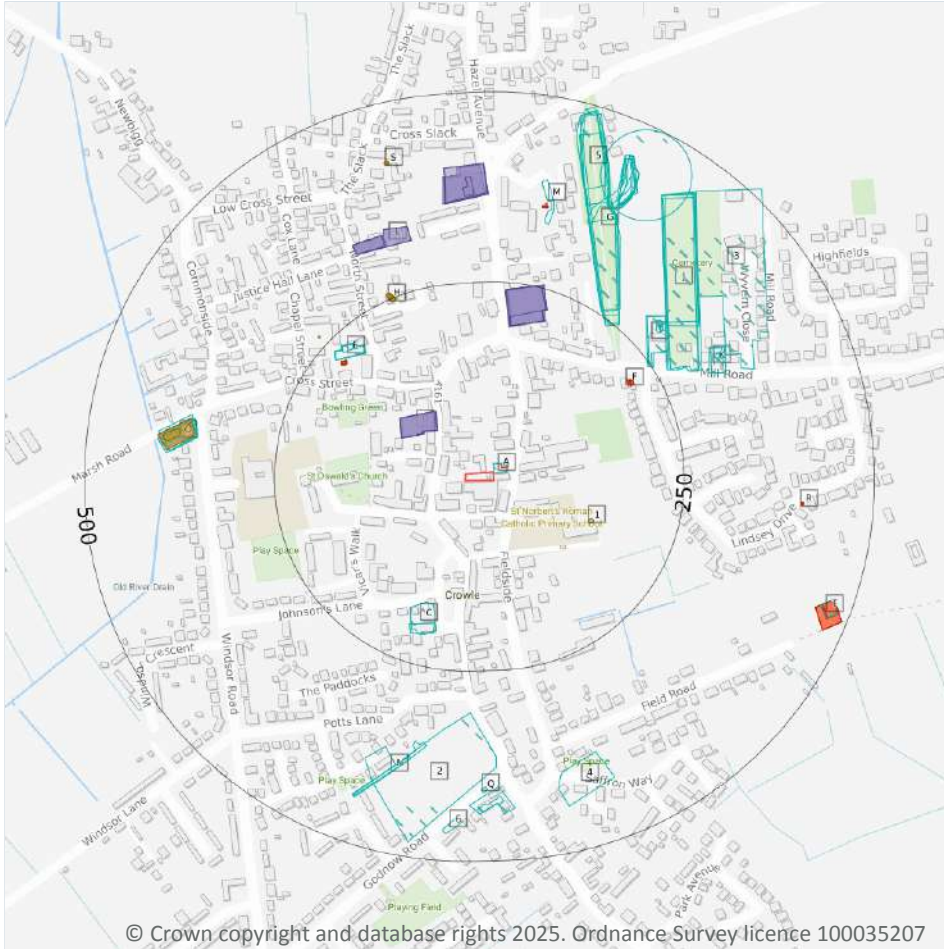
0

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

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



## 2 Past land use - un-grouped



### 2.1 Historical industrial land uses

Records within 500m

59

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

Features are displayed on the Past land use - un-grouped map on [page 21](#) >

ID	Location	Land Use	Date	Group ID
A	2m E	Fire Station	1973	1443132
C	167m SW	Police Station	1890	1485166
C	191m S	Police Station	1973	1554469

ID	Location	Land Use	Date	Group ID
E	206m NW	Smithy	1948	1540910
E	207m NW	Smithy	1951	1540910
E	221m NW	Smithy	1906	1561316
G	243m NE	Cuttings	1908	1485458
G	245m NE	Cuttings	1947	1487537
I	246m NE	Windmill	1885	1568499
I	248m NE	Windmill	1906	1528078
G	251m NE	Cuttings	1906	1554226
G	255m NE	Cuttings	1951	1565522
G	258m NE	Cuttings	1946	1545351
J	265m NE	Cemetery	1951	1538591
J	267m NE	Cemetery	1906	1572499
J	270m NE	Cemetery	1946	1566577
I	284m NE	Unspecified Tank	1951	1482149
I	289m NE	Windmill	1946	1495808
I	289m NE	Unspecified Windmill	1885	1455303
I	290m NE	Unspecified Tank	1890	1489988
J	300m NE	Cemetery	1908	1575155
J	302m NE	Cemetery	1947	1509761
2	305m S	Unspecified Works	1973	1460591
K	313m NE	Windmill	1885	1501872
K	316m NE	Windmill	1906	1565516
K	328m NE	Unspecified Windmill	1885	1455304
K	329m NE	Unspecified Tank	1890	1473621
M	333m N	Unspecified Holes	1906	1465855
3	343m NE	Cemetery	1973	1487976
N	348m S	Rope Walk	1951	1517317
G	350m NE	Unspecified Ground Workings	1885	1572949



ID	Location	Land Use	Date	Group ID
G	351m NE	Cuttings	1973	1495056
O	355m W	Gas Works	1885	1568119
O	355m W	Gas Works	1885	1568119
O	358m W	Gas Works	1890	1563056
O	360m W	Gas Works	1906	1580136
N	368m S	Rope Walk	1948	1517317
O	373m W	Gasometers	1885	1565435
O	374m W	Gasometers	1885	1504867
O	377m W	Gasometers	1890	1504867
G	379m NE	Unspecified Holes	1951	1579909
O	379m W	Gasometer	1906	1437087
4	381m SE	Smithy	1890	1455026
G	384m NE	Unspecified Pit	1908	1549150
G	384m NE	Unspecified Pit	1908	1549150
G	384m NE	Unspecified Pit	1973	1506685
G	385m NE	Unspecified Pit	1951	1492643
G	388m NE	Unspecified Ground Workings	1947	1511163
G	389m NE	Unspecified Pit	1946	1527438
G	389m NE	Unspecified Pit	1946	1527438
G	389m NE	Unspecified Holes	1906	1561010
5	390m N	Cuttings	1973	1500463
O	391m W	Gasometers	1890	1507692
O	392m W	Gasometer	1906	1437086
Q	403m S	Smithy	1885	1455024
Q	403m S	Smithy	1885	1488671
Q	416m S	Smithy	1906	1545214
6	440m S	Smithy	1890	1455025
T	459m E	Electric Substation	1973	1444179

*This data is sourced from Ordnance Survey / Groundsure.*



## 2.2 Historical tanks

Records within 500m

15

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

Features are displayed on the Past land use - un-grouped map on [page 21 >](#)

ID	Location	Land Use	Date	Group ID
1	136m E	Unspecified Tank	1998	240463
H	246m NW	Tanks	1995	262124
H	246m NW	Tanks	1978	257737
H	246m NW	Tanks	1985	246487
H	246m NW	Tanks	1988	246487
H	247m NW	Tanks	1985	257553
H	247m NW	Tanks	1981	257553
H	247m NW	Tanks	1969	257553
E	262m NW	Unspecified Tank	1969	240469
O	359m W	Gas Works	1893	236975
O	378m W	Gasometers	1893	237092
S	419m N	Unspecified Tank	1985	245522
S	420m N	Unspecified Tank	1985	255268
S	420m N	Unspecified Tank	1988	255268
S	420m N	Unspecified Tank	1995	247680

*This data is sourced from Ordnance Survey / Groundsure.*

## 2.3 Historical energy features

Records within 500m

33

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

Features are displayed on the Past land use - un-grouped map on [page 21 >](#)



ID	Location	Land Use	Date	Group ID
A	12m NE	Electricity Substation	1978	143268
F	211m NE	Electricity Substation	1985	155837
F	211m NE	Electricity Substation	1988	155837
E	213m NW	Electricity Transformer	1978	151688
E	213m NW	Electricity Transformer	1985	151688
E	213m NW	Electricity Transformer	1988	151688
F	213m NE	Electricity Substation	1995	156342
E	213m NW	Electricity Substation	1995	143265
E	213m NW	Electricity Transformer	1985	151688
E	213m NW	Electricity Transformer	1981	151688
E	213m NW	Electricity Transformer	1969	151688
F	214m NE	Electricity Substation	1985	162033
F	214m NE	Electricity Substation	1981	162033
M	354m N	Electricity Substation	1985	150966
M	354m N	Electricity Substation	1988	150966
M	354m N	Electricity Substation	1985	155212
M	354m N	Electricity Substation	1981	155212
M	355m N	Electricity Substation	1995	159736
O	359m W	Gas Works	1893	144899
O	378m W	Gasometers	1893	144961
R	405m E	Electricity Substation	1995	151927
R	405m E	Electricity Substation	1996	151927
R	405m E	Electricity Substation	1998	151927
R	405m E	Electricity Substation	1995	151927
T	454m E	Electricity Substation	1995	158649
T	454m E	Electricity Substation	1996	158649
T	454m E	Electricity Substation	1998	158649
T	454m E	Electricity Substation	1995	158649



ID	Location	Land Use	Date	Group ID
T	461m E	Electricity Substation	1988	146834
T	461m E	Electricity Substation	1988	146834
T	461m E	Electricity Substation	1991	146834
T	461m E	Electricity Substation	1968	155148
T	461m E	Electricity Substation	1971	150592

*This data is sourced from Ordnance Survey / Groundsure.*

## 2.4 Historical petrol stations

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

*This data is sourced from Ordnance Survey / Groundsure.*

## 2.5 Historical garages

<b>Records within 500m</b>	<b>23</b>
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Garages digitised from historical Ordnance Survey mapping at high-detail 1:1,250 and 1:2,500 scale. Any records shown are available intelligently grouped in section 1. Grouped and the original un-grouped features can be cross-referenced across sections 1 and 2 using the 'Group ID'.

Features are displayed on the Past land use - un-grouped map on [page 21 >](#)

ID	Location	Land Use	Date	Group ID
B	68m NW	Garage	1985	49314
B	68m NW	Garage	1981	49314
B	70m NW	Garage	1985	49314
B	70m NW	Garage	1988	49314
D	192m N	Garage	1995	49679
D	193m N	Garage	1985	46946
D	193m N	Garage	1981	46946
D	194m N	Garage	1978	46946

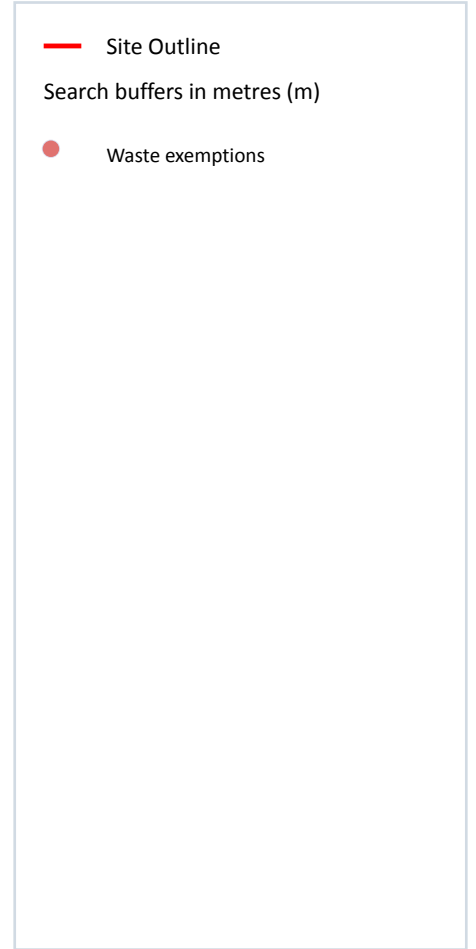
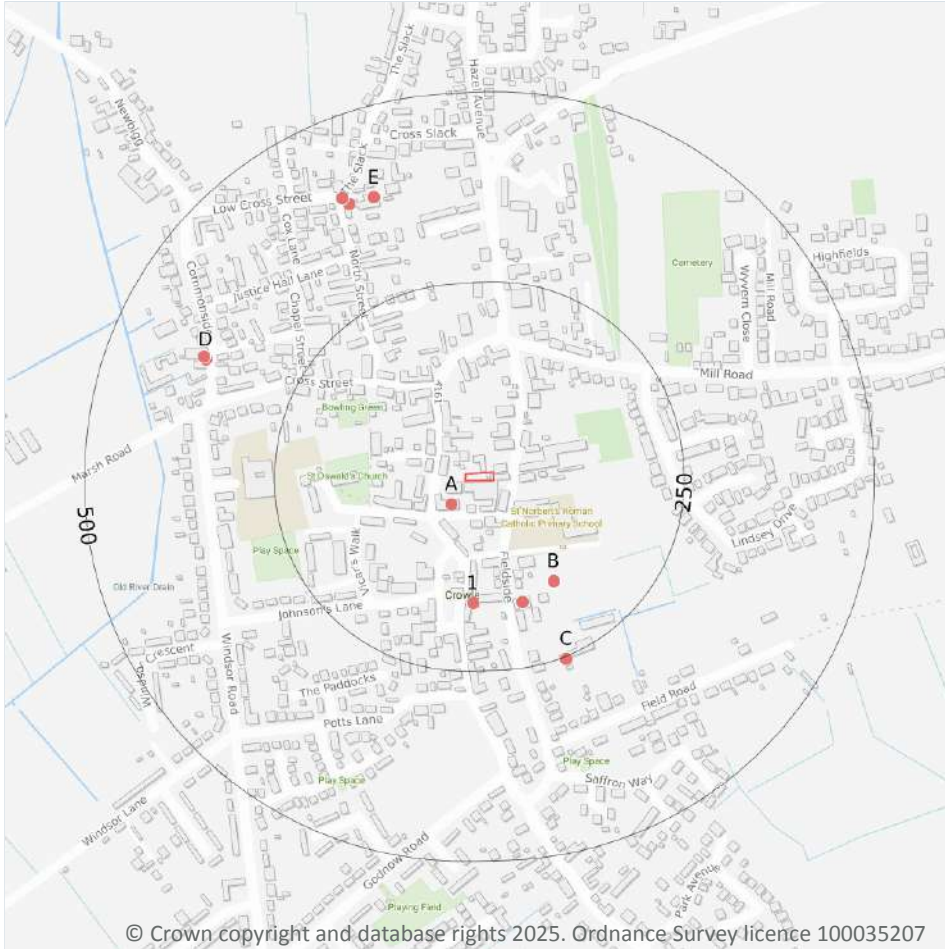


ID	Location	Land Use	Date	Group ID
D	194m N	Garage	1985	46946
D	194m N	Garage	1988	46946
D	205m N	Garage	1969	48589
L	315m N	Garage	1985	49832
L	315m N	Garage	1981	49832
L	317m N	Garage	1995	51949
L	317m N	Garage	1985	47425
L	317m N	Garage	1988	47425
P	356m N	Garage	1985	48206
P	356m N	Garage	1981	48206
P	356m N	Garage	1985	50256
P	356m N	Garage	1988	50256
P	357m N	Garage	1978	50138
P	357m N	Garage	1995	47368
P	364m N	Garage	1969	48482

*This data is sourced from Ordnance Survey / Groundsure.*



## 3 Waste and landfill



### 3.1 Active or recent landfill

Records within 500m

0

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

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

### 3.2 Historical landfill (BGS records)

Records within 500m

0

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

*This data is sourced from the British Geological Survey.*

### 3.3 Historical landfill (LA/mapping records)

Records within 500m

0

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

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

### 3.4 Historical landfill (EA/NRW records)

Records within 500m

0

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

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

### 3.5 Historical waste sites

Records within 500m

0

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

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

### 3.6 Licensed waste sites

Records within 500m

0

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

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

### 3.7 Waste exemptions

Records within 500m

73

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 28 >](#)

ID	Location	Site	Reference	Category	Sub-Category	Description
A	36m SW	Chancery Lane, Crowle, Scunthorpe, Dn17 4hn	WEX370531	Treating waste exemption	Not on a farm	Sorting and de-naturing of controlled drugs for disposal

ID	Location	Site	Reference	Category	Sub-Category	Description
A	36m SW	Chancery Lane, Crowle, Scunthorpe, Dn17 4hn	WEX286046	Treating waste exemption	Not on a farm	Sorting and de-naturing of controlled drugs for disposal
B	154m SE	Fieldside Nurseries Fieldside Crowle Nth Lincolnshire Dn17 4hh	EPR/WH0670B M/A001	Disposing of waste exemption	Agricultural waste only	Deposit of agricultural waste consisting of plant tissue under a Plant Health notice
B	154m SE	Fieldside Nurseries Fieldside Crowle Nth Lincolnshire Dn17 4hh	EPR/WH0670B M/A001	Disposing of waste exemption	Both agricultural and non- agricultural waste	Burning waste in the open
B	154m SE	Fieldside Nurseries Fieldside Crowle Nth Lincolnshire Dn17 4hh	EPR/WH0670B M/A001	Treating waste exemption	Both agricultural and non- agricultural waste	Anaerobic digestion at premises used for agriculture and burning of resultant biogas
B	154m SE	Fieldside Nurseries Fieldside Crowle Nth Lincolnshire Dn17 4hh	EPR/WH0670B M/A001	Disposing of waste exemption	Both agricultural and non- agricultural waste	Deposit of waste from dredging of inland waters
B	154m SE	Fieldside Nurseries Fieldside Crowle Nth Lincolnshire Dn17 4hh	EPR/WH0670B M/A001	Treating waste exemption	Both agricultural and non- agricultural waste	Aerobic composting and associated prior treatment
B	154m SE	Fieldside Nurseries Fieldside Crowle Nth Lincolnshire Dn17 4hh	EPR/WH0670B M/A001	Using waste exemption	Both agricultural and non- agricultural waste	Use of waste in construction
1	161m S	82, High Street, Crowle, Scunthorpe, Dn17 4lb	WEX373283	Treating waste exemption	Not on a farm	Sorting and de-naturing of controlled drugs for disposal
B	165m S	Fieldside Nurseries, Fieldside, Crowle, Scunthorpe, Dn17 4hh	WEX011981	Disposing of waste exemption	On a farm	Deposit of agricultural waste consisting of plant tissue under a Plant Health notice
B	165m S	Fieldside Nurseries, Fieldside, Crowle, Scunthorpe, Dn17 4hh	WEX011981	Disposing of waste exemption	On a farm	Burning waste in the open
B	165m S	Fieldside Nurseries, Fieldside, Crowle, Scunthorpe, Dn17 4hh	WEX011981	Treating waste exemption	On a farm	Anaerobic digestion at premises used for agriculture and burning of resultant biogas



ID	Location	Site	Reference	Category	Sub-Category	Description
B	165m S	Fieldside Nurseries, Fieldside, Crowle, Scunthorpe, Dn17 4hh	WEX172099	Treating waste exemption	Not on a farm	Anaerobic digestion at premises used for agriculture and burning of resultant biogas
B	165m S	Fieldside Nurseries, Fieldside, Crowle, Scunthorpe, Dn17 4hh	WEX172099	Disposing of waste exemption	Not on a farm	Burning waste in the open
B	165m S	Fieldside Nurseries, Fieldside, Crowle, Scunthorpe, Dn17 4hh	WEX172099	Disposing of waste exemption	Not on a farm	Deposit of agricultural waste consisting of plant tissue under a Plant Health notice
B	165m S	Fieldside Nurseries, Fieldside, Crowle, Scunthorpe, Dn17 4hh	WEX172099	Disposing of waste exemption	Not on a farm	Deposit of waste from dredging of inland waters
B	165m S	Fieldside Nurseries, Fieldside, Crowle, Scunthorpe, Dn17 4hh	WEX172099	Using waste exemption	Not on a farm	Use of waste in construction
B	165m S	Fieldside Nurseries, Fieldside, Crowle, Scunthorpe, Dn17 4hh	WEX172099	Treating waste exemption	Not on a farm	Aerobic composting and associated prior treatment
B	165m S	Fieldside Nurseries, Fieldside, Crowle, Scunthorpe, Dn17 4hh	WEX011981	Treating waste exemption	On a farm	Aerobic composting and associated prior treatment
B	165m S	Fieldside Nurseries, Fieldside, Crowle, Scunthorpe, Dn17 4hh	WEX011981	Using waste exemption	On a farm	Use of waste in construction
B	165m S	Fieldside Nurseries, Fieldside, Crowle, Scunthorpe, Dn17 4hh	WEX011981	Disposing of waste exemption	On a farm	Deposit of waste from dredging of inland waters
B	165m S	Fieldside Nurseries, Fieldside, Crowle, Scunthorpe, Dn17 4hh	WEX308754	Disposing of waste exemption	Not on a farm	Deposit of waste from dredging of inland waters
B	165m S	Fieldside Nurseries, Fieldside, Crowle, Scunthorpe, Dn17 4hh	WEX308754	Treating waste exemption	Not on a farm	Aerobic composting and associated prior treatment
B	165m S	Fieldside Nurseries, Fieldside, Crowle, Scunthorpe, Dn17 4hh	WEX308754	Using waste exemption	Not on a farm	Use of waste in construction
B	165m S	Fieldside Nurseries, Fieldside, Crowle, Scunthorpe, Dn17 4hh	WEX308754	Disposing of waste exemption	Not on a farm	Burning waste in the open



ID	Location	Site	Reference	Category	Sub-Category	Description
B	165m S	Fieldside Nurseries, Fieldside, Crowle, Scunthorpe, Dn17 4hh	WEX308754	Disposing of waste exemption	Not on a farm	Deposit of agricultural waste consisting of plant tissue under a Plant Health notice
B	165m S	Fieldside Nurseries, Fieldside, Crowle, Scunthorpe, Dn17 4hh	WEX308754	Treating waste exemption	Not on a farm	Anaerobic digestion at premises used for agriculture and burning of resultant biogas
C	253m SE	59 Fieldside Scunthorpe South Humberside Dn17 4hh	EPR/ZH0575TT /A001	Disposing of waste exemption	Agricultural waste only	Deposit of waste from dredging of inland waters
C	253m SE	59 Fieldside Scunthorpe South Humberside Dn17 4hh	EPR/ZH0575TT /A001	Storing waste exemption	Agricultural waste only	Storage of waste in secure containers
C	253m SE	59 Fieldside Scunthorpe South Humberside Dn17 4hh	EPR/ZH0575TT /A001	Storing waste exemption	Agricultural waste only	Storage of waste in a secure place
C	253m SE	59 Fieldside Scunthorpe South Humberside Dn17 4hh	EPR/ZH0575TT /A001	Treating waste exemption	Agricultural waste only	Cleaning, washing, spraying or coating relevant waste
C	253m SE	59 Fieldside Scunthorpe South Humberside Dn17 4hh	EPR/ZH0575TT /A001	Treating waste exemption	Agricultural waste only	Treatment of waste wood and waste plant matter by chipping, shredding, cutting or pulverising
C	253m SE	59 Fieldside Scunthorpe South Humberside Dn17 4hh	EPR/ZH0575TT /A001	Using waste exemption	Agricultural waste only	Use of waste in construction
C	253m SE	59 Fieldside Scunthorpe South Humberside Dn17 4hh	EPR/ZH0575TT /A001	Using waste exemption	Agricultural waste only	Spreading of plant matter to confer benefit
C	253m SE	59 Fieldside Scunthorpe South Humberside Dn17 4hh	EPR/ZH0575TT /A001	Using waste exemption	Agricultural waste only	Use of waste for a specified purpose
C	253m SE	59 Fieldside Scunthorpe South Humberside Dn17 4hh	EPR/ZH0575TT /A001	Disposing of waste exemption	Agricultural waste only	Deposit of agricultural waste consisting of plant tissue under a Plant Health notice
C	253m SE	59 Fieldside Scunthorpe South Humberside Dn17 4hh	EPR/ZH0575TT /A001	Disposing of waste exemption	Agricultural waste only	Burning waste in the open
D	373m NW	9 Commonside Crowle Dn17 4ex	EPR/NE5753Y Q/A001	Disposing of waste exemption	Agricultural waste only	Burning waste in the open



ID	Location	Site	Reference	Category	Sub-Category	Description
D	373m NW	9 Commonsides Crowle Dn17 4ex	EPR/NE5753Y Q/A001	Disposing of waste exemption	Agricultural waste only	Deposit of waste from dredging of inland waters
D	373m NW	9 Commonsides Crowle Dn17 4ex	EPR/NE5753Y Q/A001	Using waste exemption	Agricultural waste only	Use of waste in construction
D	377m NW	9, Commonsides, Crowle, Scunthorpe, Dn17 4ex	WEX171390	Disposing of waste exemption	On a farm	Burning waste in the open
D	377m NW	9, Commonsides, Crowle, Scunthorpe, Dn17 4ex	WEX171390	Disposing of waste exemption	On a farm	Deposit of waste from dredging of inland waters
D	377m NW	9, Commonsides, Crowle, Scunthorpe, Dn17 4ex	WEX171390	Using waste exemption	On a farm	Use of waste in construction
D	377m NW	9, Commonsides, Crowle, Scunthorpe, Dn17 4ex	WEX009916	Disposing of waste exemption	On a farm	Burning waste in the open
D	377m NW	9, Commonsides, Crowle, Scunthorpe, Dn17 4ex	WEX009916	Disposing of waste exemption	On a farm	Deposit of waste from dredging of inland waters
D	377m NW	9, Commonsides, Crowle, Scunthorpe, Dn17 4ex	WEX009916	Using waste exemption	On a farm	Use of waste in construction
D	377m NW	9, Commonsides, Crowle, Scunthorpe, Dn17 4ex	WEX304464	Disposing of waste exemption	On a farm	Burning waste in the open
D	377m NW	9, Commonsides, Crowle, Scunthorpe, Dn17 4ex	WEX304464	Disposing of waste exemption	On a farm	Deposit of waste from dredging of inland waters
D	377m NW	9, Commonsides, Crowle, Scunthorpe, Dn17 4ex	WEX304464	Using waste exemption	On a farm	Use of waste in construction
E	383m N	2, North Street, Crowle, Scunthorpe, Dn17 4nb	WEX060338	Using waste exemption	On a farm	Incorporation of ash into soil
E	383m N	2, North Street, Crowle, Scunthorpe, Dn17 4nb	WEX060338	Disposing of waste exemption	On a farm	Deposit of waste from dredging of inland waters
E	383m N	2, North Street, Crowle, Scunthorpe, Dn17 4nb	WEX060338	Treating waste exemption	On a farm	Treatment of waste wood and waste plant matter by chipping, shredding, cutting or pulverising
E	383m N	2, North Street, Crowle, Scunthorpe, Dn17 4nb	WEX060338	Using waste exemption	On a farm	Use of waste in construction



ID	Location	Site	Reference	Category	Sub-Category	Description
E	383m N	2, North Street, Crowle, Scunthorpe, Dn17 4nb	WEX060338	Disposing of waste exemption	On a farm	Burning waste in the open
E	383m N	2, North Street, Crowle, Scunthorpe, Dn17 4nb	WEX060338	Using waste exemption	On a farm	Spreading waste on agricultural land to confer benefit
E	387m NW	2, North Street, Crowle, Scunthorpe, Dn17 4nb	WEX330976	Using waste exemption	On a farm	Spreading waste on agricultural land to confer benefit
E	387m NW	2, North Street, Crowle, Scunthorpe, Dn17 4nb	WEX330976	Disposing of waste exemption	On a farm	Burning waste in the open
E	387m NW	2, North Street, Crowle, Scunthorpe, Dn17 4nb	WEX330976	Using waste exemption	On a farm	Use of waste in construction
E	387m NW	2, North Street, Crowle, Scunthorpe, Dn17 4nb	WEX330976	Using waste exemption	On a farm	Incorporation of ash into soil
E	387m NW	2, North Street, Crowle, Scunthorpe, Dn17 4nb	WEX330976	Treating waste exemption	On a farm	Treatment of waste wood and waste plant matter by chipping, shredding, cutting or pulverising
E	387m NW	2, North Street, Crowle, Scunthorpe, Dn17 4nb	WEX330976	Disposing of waste exemption	On a farm	Deposit of waste from dredging of inland waters
E	387m NW	2, North Street, Crowle, Scunthorpe, Dn17 4nb	WEX206429	Disposing of waste exemption	On a farm	Deposit of waste from dredging of inland waters
E	387m NW	2, North Street, Crowle, Scunthorpe, Dn17 4nb	WEX206429	Treating waste exemption	On a farm	Treatment of waste wood and waste plant matter by chipping, shredding, cutting or pulverising
E	387m NW	2, North Street, Crowle, Scunthorpe, Dn17 4nb	WEX206429	Using waste exemption	On a farm	Incorporation of ash into soil
E	387m NW	2, North Street, Crowle, Scunthorpe, Dn17 4nb	WEX206429	Disposing of waste exemption	On a farm	Burning waste in the open
E	387m NW	2, North Street, Crowle, Scunthorpe, Dn17 4nb	WEX206429	Using waste exemption	On a farm	Spreading waste on agricultural land to confer benefit
E	387m NW	2, North Street, Crowle, Scunthorpe, Dn17 4nb	WEX206429	Using waste exemption	On a farm	Use of waste in construction

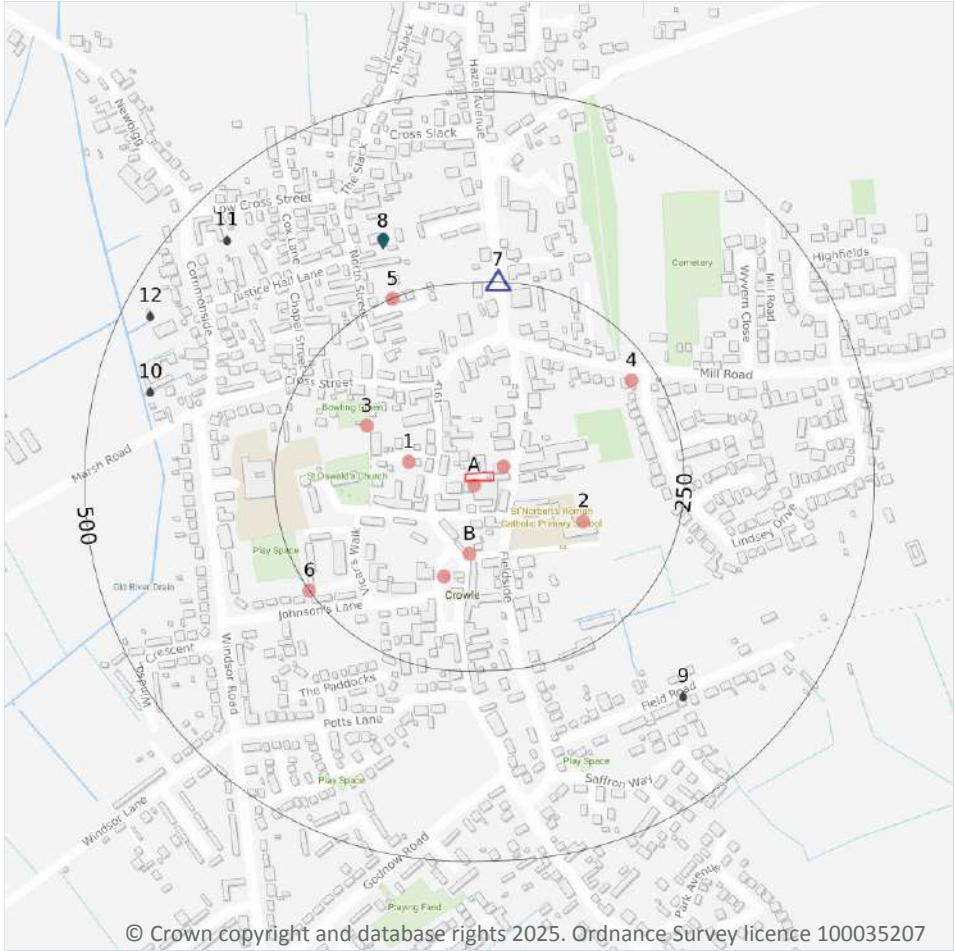


ID	Location	Site	Reference	Category	Sub-Category	Description
E	396m NW	2 North Street Scunthorpe South Humberside Dn17 4nb	EPR/XF0736LY /A001	Disposing of waste exemption	Agricultural waste only	Deposit of waste from dredging of inland waters
E	396m NW	2 North Street Scunthorpe South Humberside Dn17 4nb	EPR/XF0736LY /A001	Treating waste exemption	Agricultural waste only	Treatment of waste wood and waste plant matter by chipping, shredding, cutting or pulverising
E	396m NW	2 North Street Scunthorpe South Humberside Dn17 4nb	EPR/XF0736LY /A001	Using waste exemption	Agricultural waste only	Use of waste in construction
E	396m NW	2 North Street Scunthorpe South Humberside Dn17 4nb	EPR/XF0736LY /A001	Using waste exemption	Agricultural waste only	Burning of waste as a fuel in a small appliance
E	396m NW	2 North Street Scunthorpe South Humberside Dn17 4nb	EPR/XF0736LY /A001	Disposing of waste exemption	Agricultural waste only	Burning waste in the open
E	396m NW	2 North Street Scunthorpe South Humberside Dn17 4nb	EPR/XF0736LY /A001	Using waste exemption	Agricultural waste only	Spreading waste on agricultural land to confer benefit

*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

### 4.1 Recent industrial land uses

**Records within 250m** **10**

Current potentially contaminative industrial sites.

Features are displayed on the Current industrial land use map on [page 36](#) >

ID	Location	Company	Address	Activity	Category
A	6m SW	Chapman Motors	20a, Fieldside, Crowle, Lincolnshire, DN17 4HL	Vehicle Repair, Testing and Servicing	Repair and Servicing
A	15m NE	Crowle Fire Station	Crowle Fire Station 18, Fieldside, Crowle, Lincolnshire, DN17 4HL	Fire Brigade Stations	Central and Local Government
1	77m W	Noth It	11, Printing Office Lane, Crowle, Lincolnshire, DN17 4FL	Electrical Equipment Repair and Servicing	Repair and Servicing

ID	Location	Company	Address	Activity	Category
B	96m S	J B Chafor & Son Ltd	64 High Street, Crowle, Scunthorpe, Lincolnshire, DN17 4LB	General Construction Supplies	Industrial Products
B	129m S	Electricity Sub Station	Lincolnshire, DN17	Electrical Features	Infrastructure and Facilities
2	129m SE	Tank	Lincolnshire, DN17	Tanks (Generic)	Industrial Features
3	144m NW	Electricity Sub Station	Lincolnshire, DN17	Electrical Features	Infrastructure and Facilities
4	218m NE	Electricity Sub Station	Lincolnshire, DN17	Electrical Features	Infrastructure and Facilities
5	249m NW	Tank	Lincolnshire, DN17	Tanks (Generic)	Industrial Features
6	250m SW	Electricity Sub Station	Lincolnshire, DN17	Electrical Features	Infrastructure and Facilities

*This data is sourced from Ordnance Survey.*

## 4.2 Current or recent petrol stations

<b>Records within 500m</b>	<b>1</b>
----------------------------	----------

Open, closed, under development and obsolete petrol stations.

Features are displayed on the Current industrial land use map on [page 36 >](#)

ID	Location	Company	Address	LPG	Status
7	252m N	RIX	5-7, Eastoft Road, Crowle, Scunthorpe, North Lincolnshire, DN17 4LP	Not Applicable	Obsolete

*This data is sourced from Experian.*

## 4.3 Electricity cables

<b>Records within 500m</b>	<b>0</b>
----------------------------	----------

High voltage underground electricity transmission cables.

*This data is sourced from National Grid.*

#### 4.4 Gas pipelines

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

High pressure underground gas transmission pipelines.

*This data is sourced from National Grid.*

#### 4.5 Sites determined as Contaminated Land

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

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

*This data is sourced from Local Authority records.*

#### 4.6 Control of Major Accident Hazards (COMAH)

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

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
---------------------	---

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

1

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 36 >](#)

ID	Location	Address	Details	
8	325m N	The Garage, North Street, Crowley, DN17 4NB	Process: Waste Oil Burner 0.4 MW Status: New Legislation Applies 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

4

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 36 >](#)

ID	Location	Address	Details	
9	377m SE	AREASOFCROWLESWS(17CONS,W HARFROADFIELDLANENEWBIGG,COMMONSIDE BREWERYROADEALAND,OUTGATEBONNYHALEROAD,CROWLENLINS	Effluent Type: MISCELLANEOUS DISCHARGES - SURFACE WATER Permit Number: T/83/03288/O Permit Version: 1 Receiving Water: NORTH SOAK / PAUPERS DRAIN	Status: REVOKED (WRA 91, S88 & SCHED 10 AS AMENDED BY ENV ACT 1995) Issue date: 12/07/1972 Effective Date: 12/07/1972 Revocation Date: 02/04/2000
10	428m W	AREASOFCROWLESWS(17CONS,W HARFROADFIELDLANENEWBIGG,COMMONSIDE BREWERYROADEALAND,OUTGATEBONNYHALEROAD,CROWLENLINS	Effluent Type: MISCELLANEOUS DISCHARGES - SURFACE WATER Permit Number: T/83/03288/O Permit Version: 1 Receiving Water: NORTH SOAK / PAUPERS DRAIN	Status: REVOKED (WRA 91, S88 & SCHED 10 AS AMENDED BY ENV ACT 1995) Issue date: 12/07/1972 Effective Date: 12/07/1972 Revocation Date: 02/04/2000
11	440m NW	AREASOFCROWLESWS(17CONS,W HARFROADFIELDLANENEWBIGG,COMMONSIDE BREWERYROADEALAND,OUTGATEBONNYHALEROAD,CROWLENLINS	Effluent Type: MISCELLANEOUS DISCHARGES - SURFACE WATER Permit Number: T/83/03288/O Permit Version: 1 Receiving Water: NORTH SOAK / PAUPERS DRAIN	Status: REVOKED (WRA 91, S88 & SCHED 10 AS AMENDED BY ENV ACT 1995) Issue date: 12/07/1972 Effective Date: 12/07/1972 Revocation Date: 02/04/2000
12	463m NW	AREASOFCROWLESWS(17CONS,W HARFROADFIELDLANENEWBIGG,COMMONSIDE BREWERYROADEALAND,OUTGATEBONNYHALEROAD,CROWLENLINS	Effluent Type: MISCELLANEOUS DISCHARGES - SURFACE WATER Permit Number: T/83/03288/O Permit Version: 1 Receiving Water: NORTH SOAK / PAUPERS DRAIN	Status: REVOKED (WRA 91, S88 & SCHED 10 AS AMENDED BY ENV ACT 1995) Issue date: 12/07/1972 Effective Date: 12/07/1972 Revocation Date: 02/04/2000

*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	0
---------------------	---

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

*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

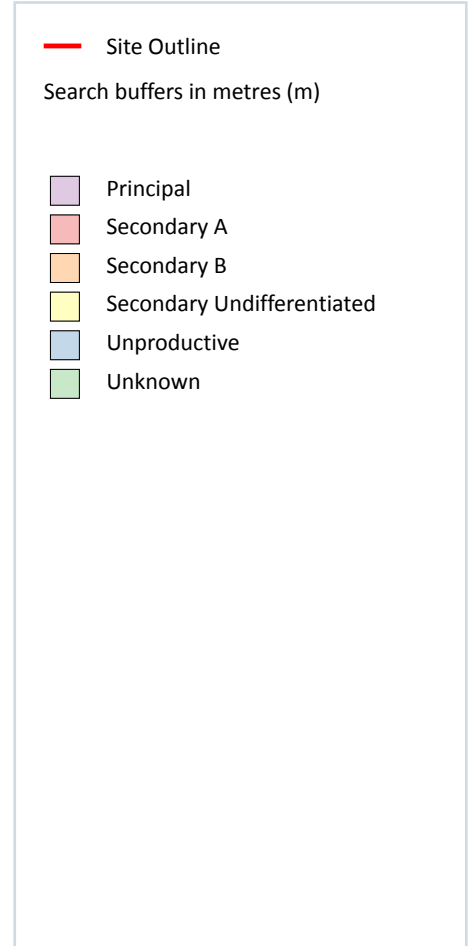
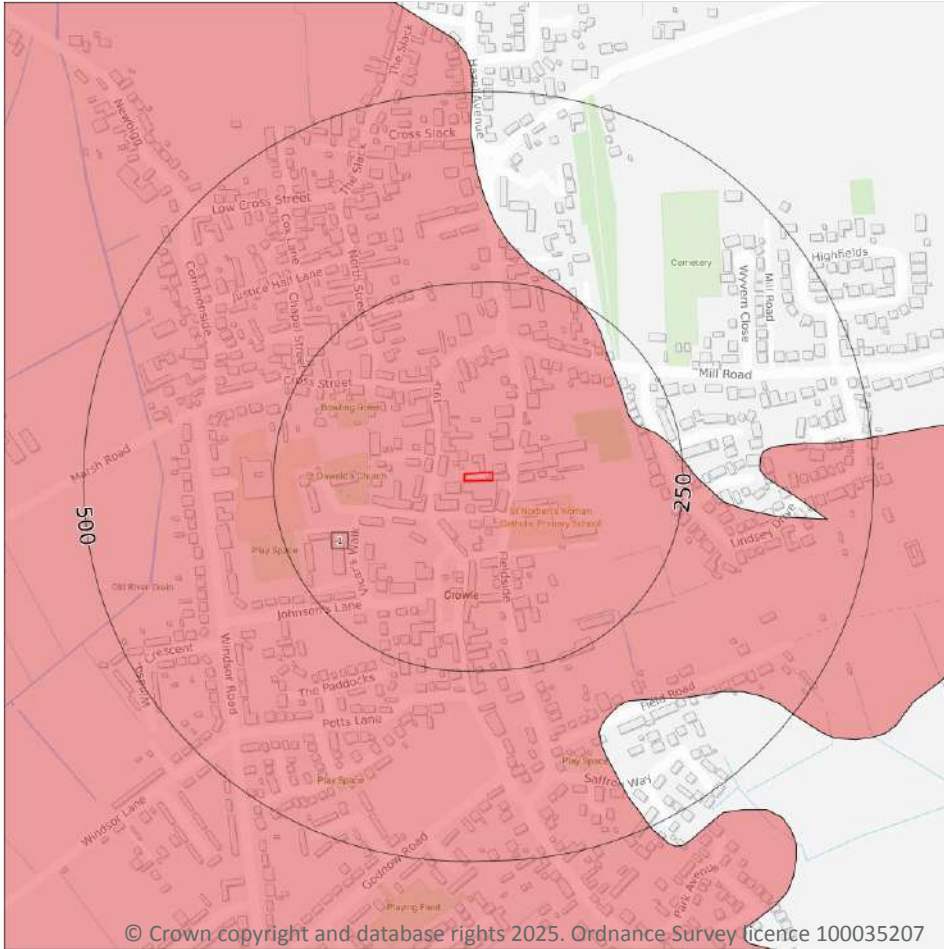
0

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

1

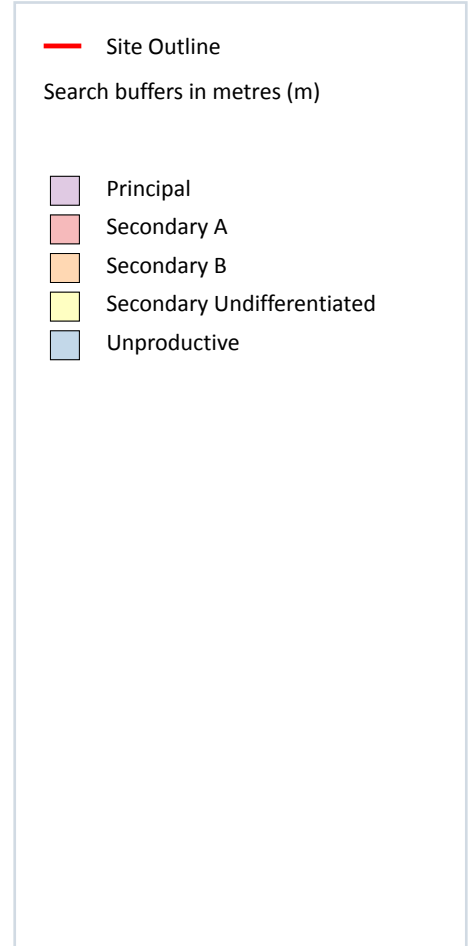
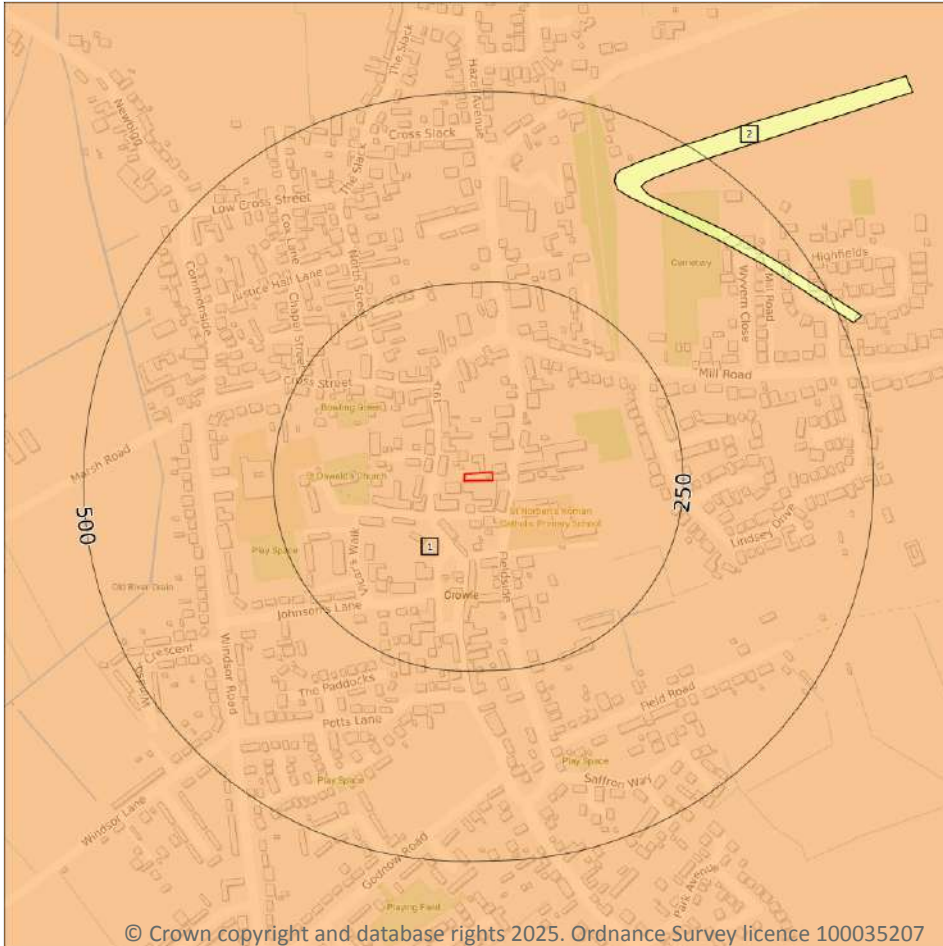
Aquifer status of groundwater held within superficial geology.

Features are displayed on the Hydrogeology map on [page 43 >](#)

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

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

## Bedrock aquifer



### 5.2 Bedrock aquifer

Records within 500m

2

Aquifer status of groundwater held within bedrock geology.

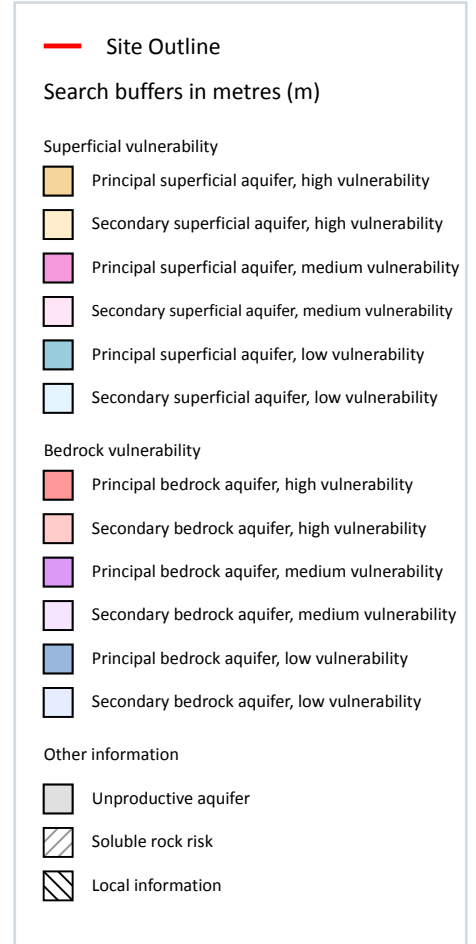
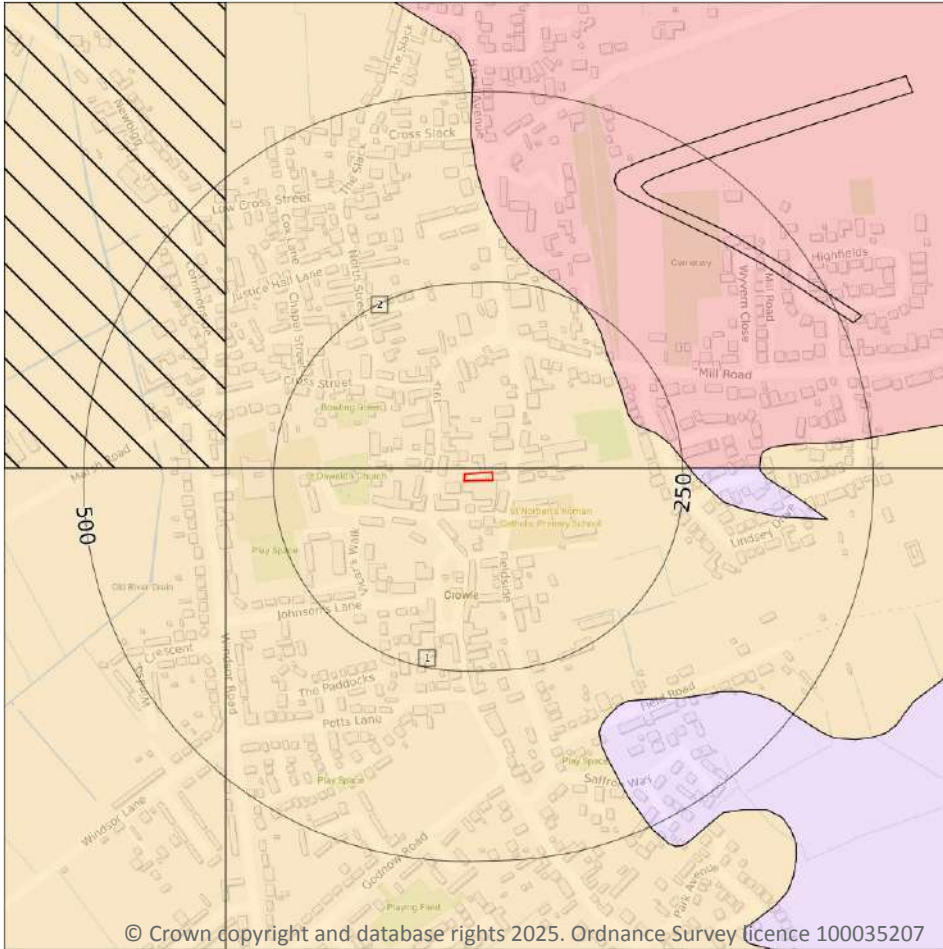
Features are displayed on the Bedrock aquifer map on [page 44](#) >

ID	Location	Designation	Description
1	On site	Secondary B	<b>Predominantly lower permeability layers which may store/yield limited amounts of groundwater due to localised features such as fissures, thin permeable horizons and weathering. These are generally the water-bearing parts of the former non-aquifers</b>
2	404m NE	Secondary (undifferentiated)	Assigned where it is not possible to attribute either category A or B to a rock type. In general these layers have previously been designated as both minor and non-aquifer in different locations due to the variable characteristics of the rock type

*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 46 >](#)

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

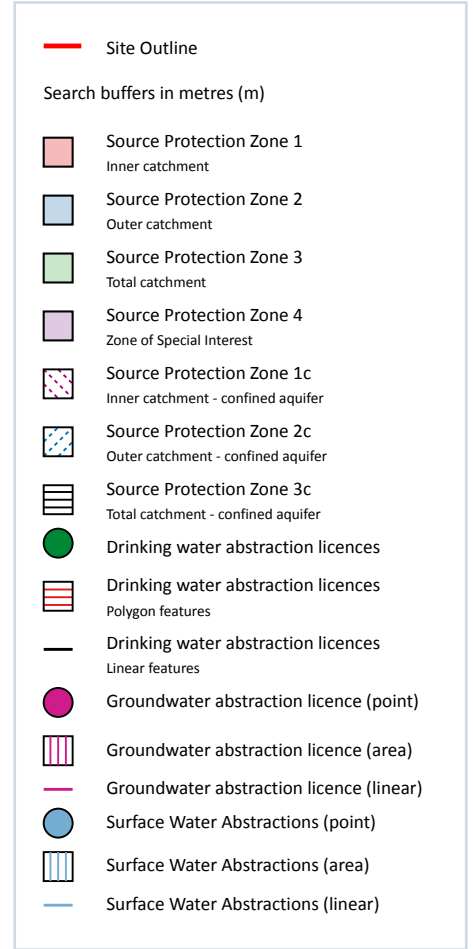
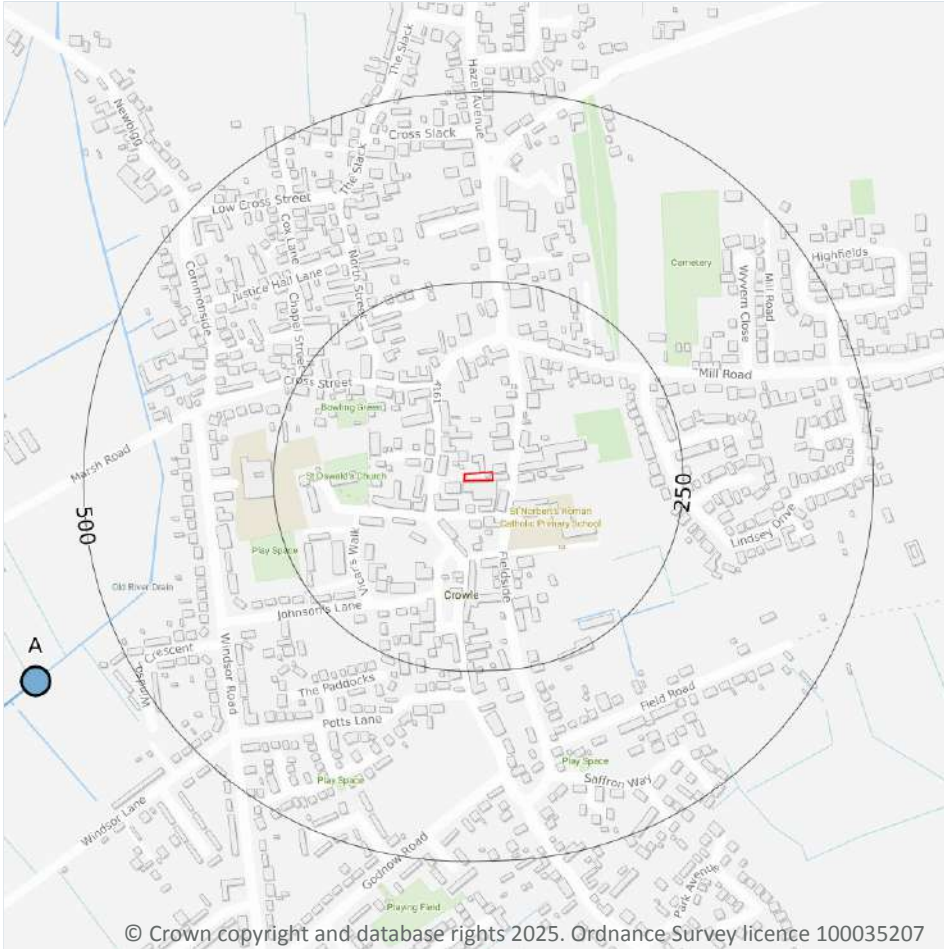
0

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](mailto:enquiries@environment-agency.gov.uk) ↗.

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



## Abstractions and Source Protection Zones



### 5.6 Groundwater abstractions

Records within 2000m

2

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

Features are displayed on the Abstractions and Source Protection Zones map on [page 48 >](#)

ID	Location	Details	
-	1340m E	Status: Historical Licence No: 03/28/83/0166 Details: Spray Irrigation - Direct Direct Source: Groundwater Midlands Region Point: CROWLE - BOREHOLE Data Type: Point Name: FRANKLAND Easting: 478650 Northing: 413320	Annual Volume (m <sup>3</sup> ): - Max Daily Volume (m <sup>3</sup> ): - Original Application No: - Original Start Date: 29/11/1991 Expiry Date: - Issue No: 100 Version Start Date: 01/04/2000 Version End Date: -
-	1340m E	Status: Historical Licence No: 03/28/84/0026 Details: Spray Irrigation - Direct Direct Source: Groundwater Midlands Region Point: CROWLE - BOREHOLE Data Type: Point Name: FRANKLAND Easting: 478650 Northing: 413320	Annual Volume (m <sup>3</sup> ): - Max Daily Volume (m <sup>3</sup> ): - Original Application No: - Original Start Date: - Expiry Date: - Issue No: 1 Version Start Date: 21/11/2001 Version End Date: -

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

## 5.7 Surface water abstractions

### Records within 2000m

18

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 48 >](#)

ID	Location	Details	
1	622m SW	Status: Historical Licence No: 03/28/84/0004 Details: Spray Irrigation - Direct Direct Source: Surface Water Midlands Region Point: SOUTH END FARM - OLD RIVER DRAIN Data Type: Line Name: PROCTOR Easting: 476750 Northing: 412720	Annual Volume (m <sup>3</sup> ): - Max Daily Volume (m <sup>3</sup> ): - Original Application No: - Original Start Date: 31/01/1985 Expiry Date: - Issue No: 100 Version Start Date: 31/01/1985 Version End Date: -



ID	Location	Details	
A	622m SW	Status: Historical Licence No: 03/28/84/0004 Details: Spray Irrigation - Direct Direct Source: Surface Water Midlands Region Point: SOUTH END FARM - OLD RIVER DRAIN Data Type: Point Name: PROCTOR Easting: 476750 Northing: 412720	Annual Volume (m <sup>3</sup> ): - Max Daily Volume (m <sup>3</sup> ): - Original Application No: - Original Start Date: 31/01/1985 Expiry Date: - Issue No: 100 Version Start Date: 31/01/1985 Version End Date: -
A	622m SW	Status: Historical Licence No: 03/28/83/0264 Details: Spray Irrigation - Direct Direct Source: Surface Water Midlands Region Point: SOUTH END FARM - OLD RIVER DRAIN Data Type: Point Name: PROCTOR Easting: 476750 Northing: 412720	Annual Volume (m <sup>3</sup> ): 9210 Max Daily Volume (m <sup>3</sup> ): 264 Original Application No: - Original Start Date: 21/11/2001 Expiry Date: - Issue No: 1 Version Start Date: 21/11/2001 Version End Date: -
-	862m SW	Status: Historical Licence No: 03/28/84/0004 Details: Spray Irrigation - Direct Direct Source: Surface Water Midlands Region Point: SOUTH END FARM - OLD RIVER DRAIN 2 Data Type: Point Name: PROCTOR Easting: 476750 Northing: 412330	Annual Volume (m <sup>3</sup> ): - Max Daily Volume (m <sup>3</sup> ): - Original Application No: - Original Start Date: 31/01/1985 Expiry Date: - Issue No: 100 Version Start Date: 31/01/1985 Version End Date: -
-	862m SW	Status: Historical Licence No: 03/28/83/0264 Details: Spray Irrigation - Direct Direct Source: Surface Water Midlands Region Point: SOUTH END FARM - OLD RIVER DRAIN 2 Data Type: Point Name: PROCTOR Easting: 476750 Northing: 412330	Annual Volume (m <sup>3</sup> ): 9210 Max Daily Volume (m <sup>3</sup> ): 264 Original Application No: - Original Start Date: 21/11/2001 Expiry Date: - Issue No: 1 Version Start Date: 21/11/2001 Version End Date: -
-	868m SW	Status: Active Licence No: 03/28/83/0259 Details: Spray Irrigation - Direct Direct Source: Surface Water Midlands Region Point: CROWLE - OLD RIVER DRAIN Data Type: Line Name: DAN ALBONE & SON LTD Easting: 475900 Northing: 412000	Annual Volume (m <sup>3</sup> ): 24000 Max Daily Volume (m <sup>3</sup> ): 2945 Original Application No: NPS/WR/035308 Original Start Date: 21/11/2001 Expiry Date: - Issue No: 2 Version Start Date: 27/04/2021 Version End Date: -



ID	Location	Details	
-	868m SW	Status: Historical Licence No: 03/28/84/0010 Details: Spray Irrigation - Direct Direct Source: Surface Water Midlands Region Point: CROWLE - OLD RIVER DRAIN Data Type: Line Name: H BARKER & SONS Easting: 475900 Northing: 412000	Annual Volume (m <sup>3</sup> ): - Max Daily Volume (m <sup>3</sup> ): - Original Application No: - Original Start Date: 31/03/1994 Expiry Date: - Issue No: 100 Version Start Date: 30/05/1995 Version End Date: -
-	1655m W	Status: Historical Licence No: 03/28/83/0072 Details: Spray Irrigation - Direct Direct Source: Surface Water Midlands Region Point: CROWLE - CROOK O'MOOR DRAIN (POINT) Data Type: Point Name: DAN ALBONE & SON LTD Easting: 475690 Northing: 413310	Annual Volume (m <sup>3</sup> ): 31000 Max Daily Volume (m <sup>3</sup> ): 1000 Original Application No: - Original Start Date: 05/08/1997 Expiry Date: - Issue No: 101 Version Start Date: 30/05/2007 Version End Date: -
-	1656m W	Status: Active Licence No: 03/28/83/0072 Details: Spray Irrigation - Direct Direct Source: Surface Water Midlands Region Point: CROWLE - CROOK O'MOOR DRAIN (POINT) Data Type: Point Name: DAN ALBONE & SON LTD Easting: 475690 Northing: 413315	Annual Volume (m <sup>3</sup> ): 31000 Max Daily Volume (m <sup>3</sup> ): 1000 Original Application No: NPS/WR/031598 Original Start Date: 05/08/1997 Expiry Date: - Issue No: 103 Version Start Date: 01/04/2020 Version End Date: -
-	1744m SW	Status: Historical Licence No: 03/28/84/0005 Details: Spray Irrigation - Direct Direct Source: Surface Water Midlands Region Point: SOUTH END FARM - NORTH SOAK DRAIN Data Type: Point Name: PROCTOR Easting: 476540 Northing: 411420	Annual Volume (m <sup>3</sup> ): - Max Daily Volume (m <sup>3</sup> ): - Original Application No: - Original Start Date: 31/01/1985 Expiry Date: - Issue No: 100 Version Start Date: 31/01/1985 Version End Date: -
-	1744m SW	Status: Historical Licence No: 03/28/83/0266 Details: Spray Irrigation - Direct Direct Source: Surface Water Midlands Region Point: SOUTH END FARM - NORTH SOAK DRAIN Data Type: Point Name: T C BREARS & SONS Easting: 476540 Northing: 411420	Annual Volume (m <sup>3</sup> ): 4440 Max Daily Volume (m <sup>3</sup> ): 264 Original Application No: - Original Start Date: 21/09/2001 Expiry Date: - Issue No: 2 Version Start Date: 01/04/2003 Version End Date: -



ID	Location	Details	
-	1788m S	Status: Historical Licence No: 03/28/83/0254 Details: Spray Irrigation - Direct Direct Source: Surface Water Midlands Region Point: LAND AT CROWLE - STAINFORTH AND KEADBY CANAL Data Type: Line Name: BRITISH WATERWAYS BOARD Easting: 476800 Northing: 411260	Annual Volume (m <sup>3</sup> ): - Max Daily Volume (m <sup>3</sup> ): - Original Application No: - Original Start Date: 17/05/2000 Expiry Date: 31/03/2008 Issue No: 1 Version Start Date: 17/05/2000 Version End Date: -
-	1838m SW	Status: Active Licence No: 03/28/83/0067 Details: Spray Irrigation - Direct Direct Source: Surface Water Midlands Region Point: GLEBE FARM - THE SOUTH SOAK DRAIN Data Type: Point Name: H BARKER & SONS Easting: 476300 Northing: 411450	Annual Volume (m <sup>3</sup> ): 13638 Max Daily Volume (m <sup>3</sup> ): 1200 Original Application No: - Original Start Date: 08/03/1966 Expiry Date: - Issue No: 100 Version Start Date: 16/12/1982 Version End Date: -
-	1924m W	Status: Historical Licence No: 03/28/83/0072 Details: Spray Irrigation - Direct Direct Source: Surface Water Midlands Region Point: CROWLE - CROOK O'MOOR DRAIN (REACH) Data Type: Line Name: DAN ALBONE & SON LTD Easting: 474800 Northing: 412280	Annual Volume (m <sup>3</sup> ): 31000 Max Daily Volume (m <sup>3</sup> ): 1000 Original Application No: - Original Start Date: 05/08/1997 Expiry Date: - Issue No: 101 Version Start Date: 30/05/2007 Version End Date: -
-	1930m W	Status: Active Licence No: 03/28/83/0072 Details: Spray Irrigation - Direct Direct Source: Surface Water Midlands Region Point: CROWLE - CROOK O'MOOR DRAIN (REACH) Data Type: Line Name: DAN ALBONE & SON LTD Easting: 474805 Northing: 412320	Annual Volume (m <sup>3</sup> ): 31000 Max Daily Volume (m <sup>3</sup> ): 1000 Original Application No: NPS/WR/031598 Original Start Date: 05/08/1997 Expiry Date: - Issue No: 103 Version Start Date: 01/04/2020 Version End Date: -
-	1956m NE	Status: Active Licence No: 03/28/84/0024/1/R01 Details: Spray Irrigation - Direct Direct Source: Surface Water Midlands Region Point: EASTOFT - PAUPER DRAIN Data Type: Line Name: HIGGINS AGRICULTURE LTD Easting: 478889 Northing: 414202	Annual Volume (m <sup>3</sup> ): 25000 Max Daily Volume (m <sup>3</sup> ): 1800 Original Application No: NPS/WR/017071 Original Start Date: 01/04/2015 Expiry Date: 31/03/2027 Issue No: 1 Version Start Date: 03/12/2018 Version End Date: -



ID	Location	Details	
-	1970m NE	Status: Historical Licence No: 03/28/84/0024 Details: Spray Irrigation - Direct Direct Source: Surface Water Midlands Region Point: EASTOFT - PAUPER DRAIN Data Type: Line Name: HIGGINS AGRICULTURE LTD Easting: 478900 Northing: 414210	Annual Volume (m <sup>3</sup> ): - Max Daily Volume (m <sup>3</sup> ): - Original Application No: - Original Start Date: - Expiry Date: 31/03/2008 Issue No: 1 Version Start Date: 06/07/2001 Version End Date: -
-	1970m NE	Status: Historical Licence No: 03/28/84/0024/1 Details: Spray Irrigation - Direct Direct Source: Surface Water Midlands Region Point: EASTOFT - PAUPER DRAIN Data Type: Line Name: HIGGINS AGRICULTURE LTD Easting: 478900 Northing: 414210	Annual Volume (m <sup>3</sup> ): 25000 Max Daily Volume (m <sup>3</sup> ): 1800 Original Application No: - Original Start Date: 08/08/2003 Expiry Date: 31/03/2015 Issue No: 1 Version Start Date: 08/08/2003 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**

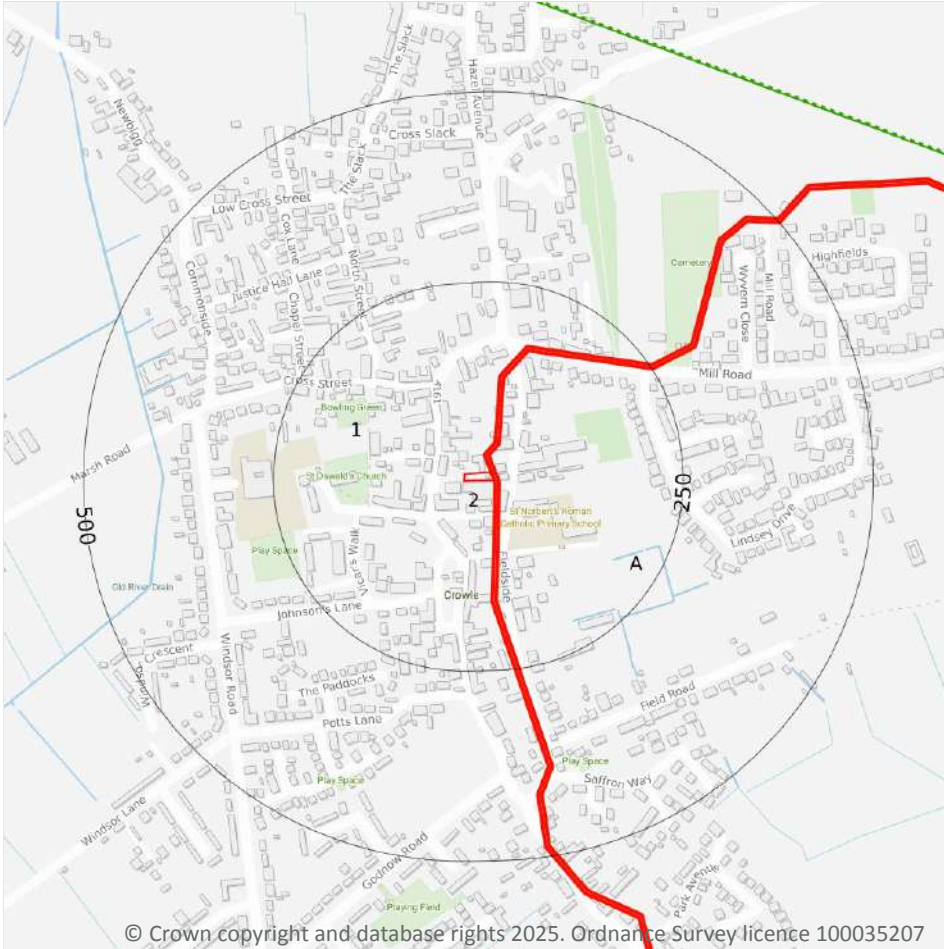
**0**

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

6

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

Features are displayed on the Hydrology map on [page 54 >](#)

ID	Location	Type of water feature	Ground level	Permanence	Name
A	189m SE	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-

ID	Location	Type of water feature	Ground level	Permanence	Name
A	213m SE	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
A	221m SE	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
A	237m SE	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
A	247m SE	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
A	247m SE	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-

*This data is sourced from the Ordnance Survey.*

## 6.2 Surface water features

### Records within 250m

4

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

Features are displayed on the Hydrology map on [page 54 >](#)

*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 54 >](#)



ID	Location	Type	Water body catchment	Water body ID	Operational catchment	Management catchment
1	On site	River	North Soak Drain Catchment (trib of Torne/Three Rivers)	GB104028064350	Isle of Axholme	Idle and Torne

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

## 6.4 WFD Surface water bodies

<b>Records identified</b>	<b>1</b>
---------------------------	----------

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 54 >](#)

ID	Location	Type	Name	Water body ID	Overall rating	Chemical rating	Ecological rating	Year
-	1745m SW	River	North Soak Drain Catchment (trib of Torne/Three Rivers)	<a href="#">GB104028064350</a> ↗	Moderate	Fail	Moderate	2019

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

## 6.5 WFD Groundwater bodies

<b>Records on site</b>	<b>1</b>
------------------------	----------

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.

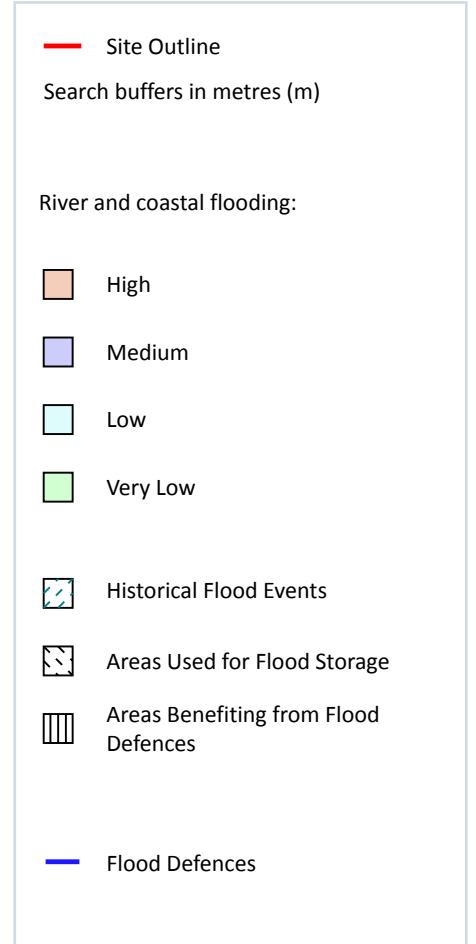
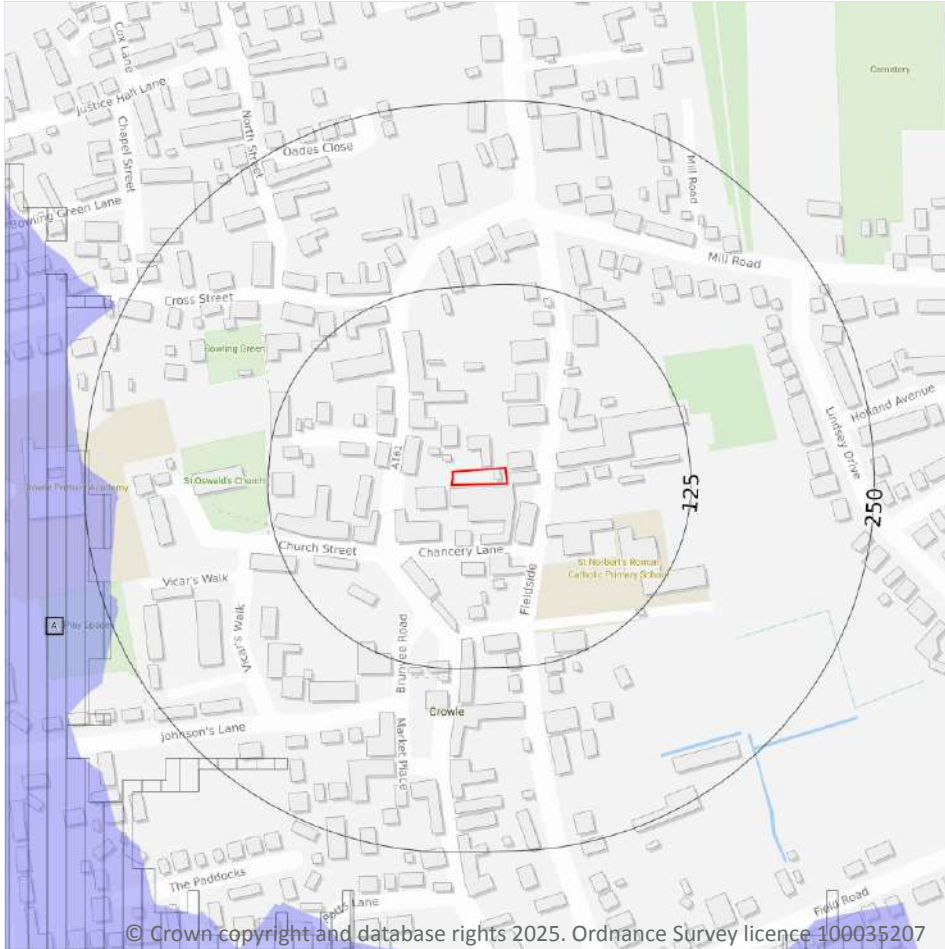
Features are displayed on the Hydrology map on [page 54 >](#)

ID	Location	Name	Water body ID	Overall rating	Chemical rating	Quantitative	Year
2	On site	Idle Torne - Secondary Mudrocks	<a href="#">GB40402G992200</a> ↗	Good	Good	Good	2019

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



## 7 River and coastal flooding



### 7.1 Risk of flooding from rivers and the sea

Records within 50m

0

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

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

## 7.2 Historical Flood Events

Records within 250m

0

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

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

## 7.3 Flood Defences

Records within 250m

0

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

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

## 7.4 Areas Benefiting from Flood Defences

Records within 250m

1

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.

Features are displayed on the River and coastal flooding map on [page 57](#) >

ID	Location	
A	217m SW	Area benefiting from flood defences

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

## 7.5 Flood Storage Areas

Records within 250m

0

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

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

## River and coastal flooding - Flood Zones

### 7.6 Flood Zone 2

Records within 50m

0

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

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

### 7.7 Flood Zone 3

Records within 50m

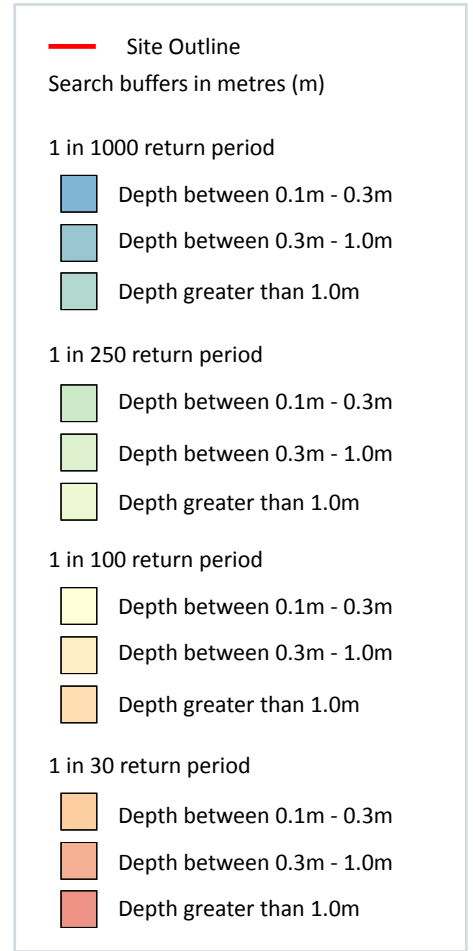
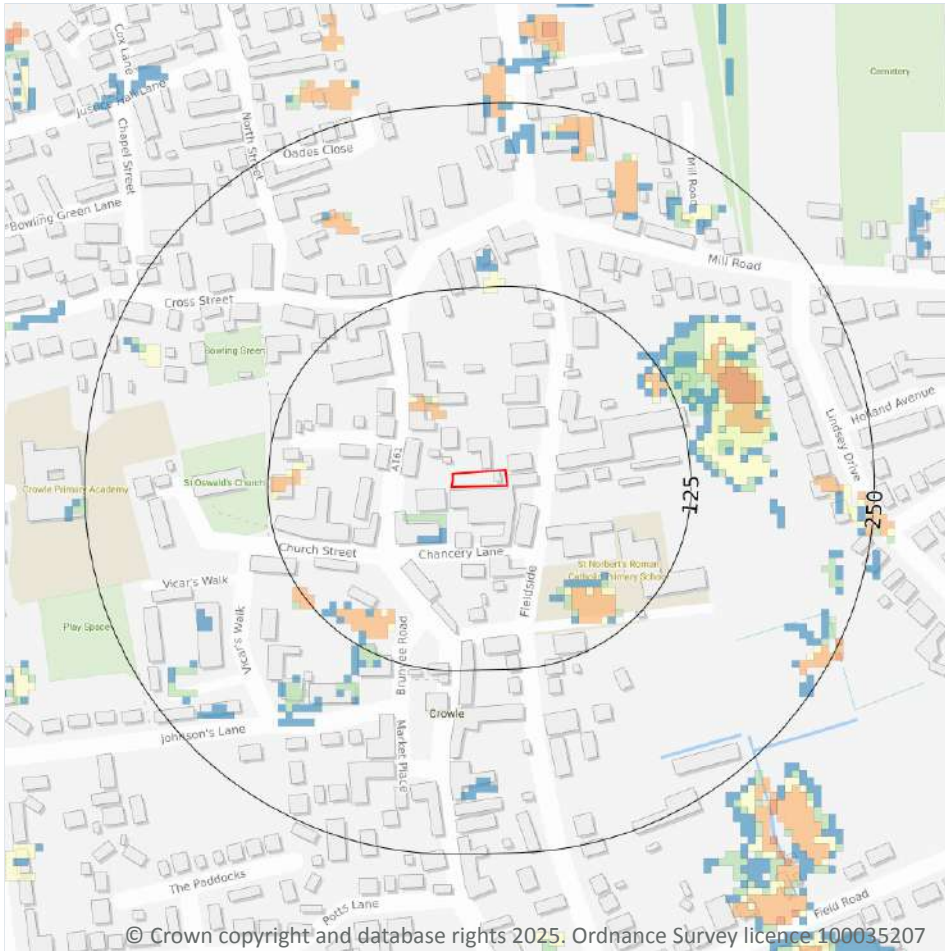
0

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

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



## 8 Surface water flooding



### 8.1 Surface water flooding

Highest risk on site

Negligible

Highest risk within 50m

1 in 30 year, 0.1m - 0.3m

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

Features are displayed on the Surface water flooding map on [page 60](#) >

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

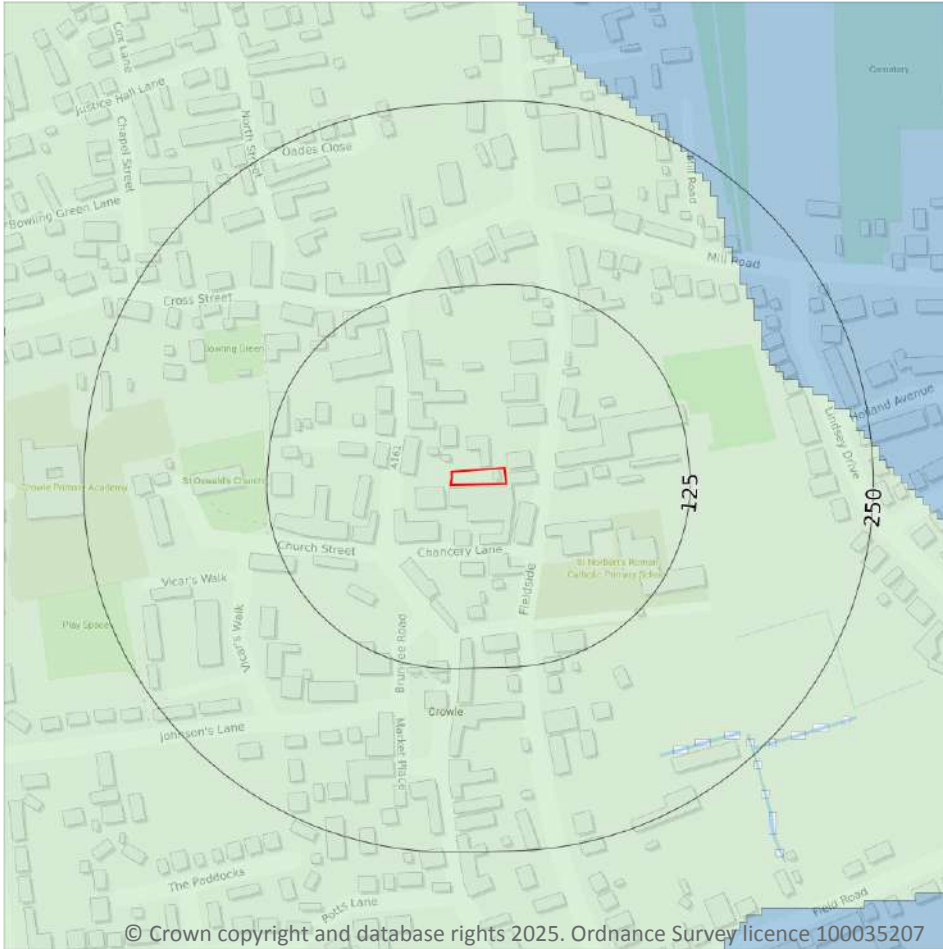
The table below shows the maximum flood depths for a range of return periods for the site.

Return period	Maximum modelled depth
1 in 1000 year	Negligible
1 in 250 year	Negligible
1 in 100 year	Negligible
1 in 30 year	Negligible

*This data is sourced from Ambiental Risk Analytics.*



## 9 Groundwater flooding



### 9.1 Groundwater flooding

**Highest risk on site**

**Low**

**Highest risk within 50m**

**Low**

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

Features are displayed on the Groundwater flooding map on [page 62](#) >

*This data is sourced from Ambiental Risk Analytics.*

## 10 Environmental designations



**Site Outline**

Search buffers in metres (m)

- Sites of Special Scientific Interest (SSSI)
- + Special Areas of Conservation (SAC)
- Special Protection Areas (SPA)
- × National Nature Reserves (NNR)

### 10.1 Sites of Special Scientific Interest (SSSI)

Records within 2000m

2

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.

Features are displayed on the Environmental designations map on [page 63](#) >

ID	Location	Name	Data source
1	1712m NE	Eastoft Meadow	Natural England



ID	Location	Name	Data source
-	1851m NW	Thorne, Crowle and Goole Moors	Natural England

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

## 10.2 Conserved wetland sites (Ramsar sites)

<b>Records within 2000m</b>	<b>0</b>
-----------------------------	----------

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)

<b>Records within 2000m</b>	<b>1</b>
-----------------------------	----------

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.

Features are displayed on the Environmental designations map on [page 63 >](#)

ID	Location	Name	Features of interest	Habitat description	Data source
-	1851m NW	Thorne Moor	Active raised bogs; Degraded raised bog.	Heath, Scrub, Maquis and Garrigue, Phygrana; Inland water bodies (Standing water, Running water); Other land (including Towns, Villages, Roads, Waste places, Mines, Industrial sites); Broad-leaved deciduous woodland; Bogs, Marshes, Water fringed vegetation, Fens	Natural England

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

## 10.4 Special Protection Areas (SPA)

<b>Records within 2000m</b>	<b>1</b>
-----------------------------	----------

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.

Features are displayed on the Environmental designations map on [page 63 >](#)

ID	Location	Name	Species of interest	Habitat description	Data source
-	1851m NW	Thorne & Hatfield Moors	European nightjar	Inland water bodies (Standing water, Running water); Other land (including Towns, Villages, Roads, Waste places, Mines, Industrial sites); Broad-leaved deciduous woodland; Coniferous woodland; Bogs, Marshes, Water fringed vegetation, Fens; Heath, Scrub, Maquis and Garrigue, Phygrana	Natural England

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

## 10.5 National Nature Reserves (NNR)

**Records within 2000m**

**1**

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.

Features are displayed on the Environmental designations map on [page 63 >](#)

ID	Location	Name	Data source
-	1906m NW	Humberhead Peatlands	Natural England

*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**

**0**

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

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



## 10.8 Biosphere Reserves

Records within 2000m

0

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

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

## 10.9 Forest Parks

Records within 2000m

0

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

*This data is sourced from the Forestry Commission.*

## 10.10 Marine Conservation Zones

Records within 2000m

0

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

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

## 10.11 Green Belt

Records within 2000m

0

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

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

## 10.12 Proposed Ramsar sites

Records within 2000m

0

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

*This data is sourced from Natural England.*



### 10.13 Possible Special Areas of Conservation (pSAC)

Records within 2000m

0

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

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

### 10.14 Potential Special Protection Areas (pSPA)

Records within 2000m

0

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

*This data is sourced from Natural England.*

### 10.15 Nitrate Sensitive Areas

Records within 2000m

0

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

*This data is sourced from Natural England.*

### 10.16 Nitrate Vulnerable Zones

Records within 2000m

3

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	North Soak Drain (trib of R Torne / Three Rivers) NVZ	Surface Water	352	Existing

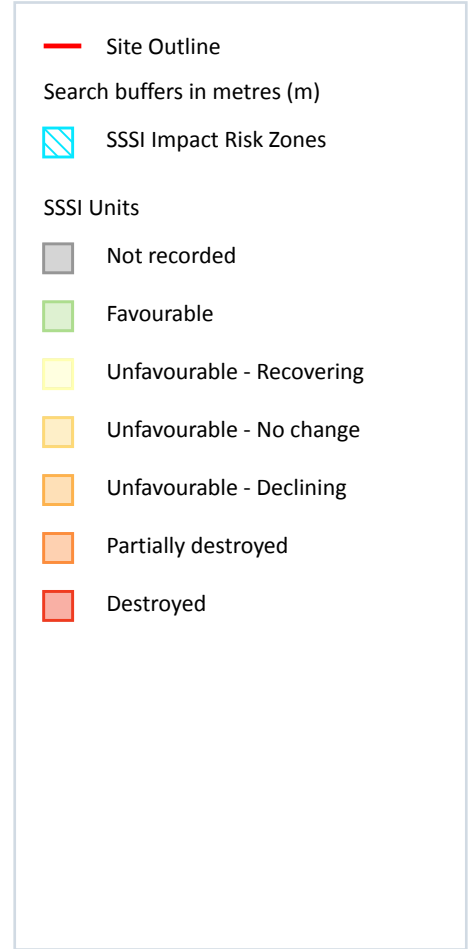
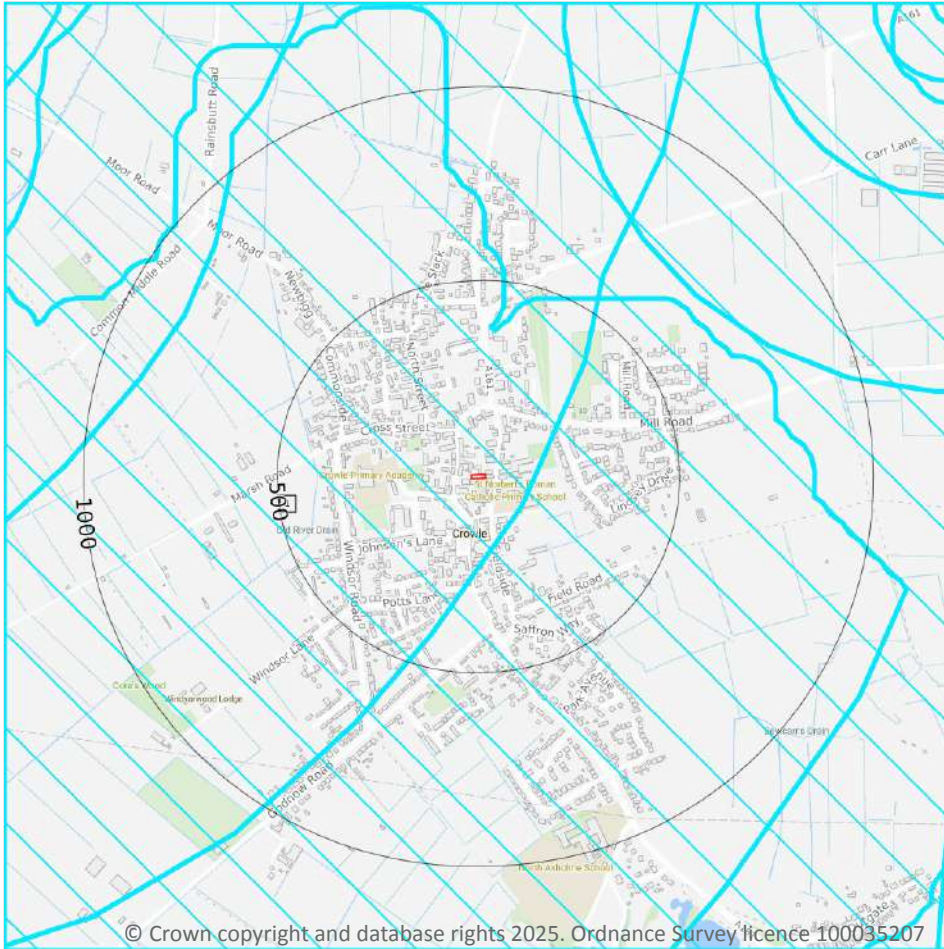


Location	Name	Type	NVZ ID	Status
130m SE	Paupers Drain Catchment (trib of Trent) NVZ	Surface Water	349	Existing
155m N	Swinefleet Warping Drain Source to River Ouse NVZ	Surface Water	281	Existing

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



## SSSI Impact Zones and Units



### 10.17 SSSI Impact Risk Zones

#### Records on site

1

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

Features are displayed on the SSSI Impact Zones and Units map on [page 69](#) >

ID	Location	Type of developments requiring consultation
1	On site	<p>Infrastructure - Pipelines and underground cables, pylons and overhead cables. Any transport proposal including road, rail and by water (excluding routine maintenance). Airports, helipads and other aviation proposals.</p> <p>Wind and Solar - Solar schemes with footprint &gt; 0.5ha, all wind turbines.</p> <p>Minerals, Oil and Gas - Planning applications for quarries, including: new proposals, Review of Minerals Permissions (ROMP), extensions, variations to conditions etc. Oil &amp; gas exploration/extraction.</p> <p>Rural non-residential - Large non residential developments outside existing settlements/urban areas where footprint exceeds 1ha.</p> <p>Residential - Residential development of 50 units or more.</p> <p>Rural residential - Any residential development of 50 or more houses outside existing settlements/urban areas.</p> <p>Air pollution - Any industrial/agricultural development that could cause AIR POLLUTION (incl: industrial processes, livestock &amp; poultry units with floorspace &gt; 500m<sup>2</sup>, slurry lagoons &amp; digestate stores &gt; 200m<sup>2</sup>, manure stores &gt; 250t).</p> <p>Combustion - General combustion processes &gt;20MW energy input. Incl: energy from waste incineration, other incineration, landfill gas generation plant, pyrolysis/gasification, anaerobic digestion, sewage treatment works, other incineration/ combustion.</p> <p>Waste - Landfill. Incl: inert landfill, non-hazardous landfill, hazardous landfill.</p> <p>Composting - Any composting proposal with more than 75000 tonnes maximum annual operational throughput. Incl: open windrow composting, in-vessel composting, anaerobic digestion, other waste management.</p> <p>Discharges - Any discharge of water or liquid waste of more than 5m<sup>3</sup>/day to ground (ie to seep away) or to surface water, such as a beck or stream.</p> <p>Water supply - Large infrastructure such as warehousing / industry where total net additional gross internal floorspace following development is 1,000m<sup>2</sup> or more.</p>

*This data is sourced from Natural England.*

## 10.18 SSSI Units

Records within 2000m

4

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.

Features are displayed on the SSSI Impact Zones and Units map on [page 69](#) >

ID: 15  
 Location: 1712m NE  
 SSSI name: Eastoft Meadow  
 Unit name: Eastoft Meadow  
 Broad habitat: Neutral Grassland - Lowland  
 Condition: Favourable  
 Reportable features:



Feature name	Feature condition	Date of assessment
Lowland neutral grassland (MG5)	Favourable	24/06/2014

ID: -  
 Location: 1851m NW  
 SSSI name: Thorne, Crowle and Goole Moors  
 Unit name: Mrs Lovells Strip  
 Broad habitat: Bogs - Lowland  
 Condition: Unfavourable - Recovering  
 Reportable features:

Feature name	Feature condition	Date of assessment
Aggregations of breeding birds - Nightjar, <i>Caprimulgus europaeus</i>	Favourable	01/12/2015
Assemblages of breeding birds - Mixed: Lowland damp grassland, Lowland heath, Scrub, Woodland	Favourable	22/12/2021
H7120 Degraded raised bogs (still capable of natural regeneration)	Unfavourable - Recovering	04/10/2012
Invert. assemblage W312 sphagnum bog	Unfavourable - Recovering	04/10/2012
Raised bog (lowland)	Unfavourable - Recovering	04/10/2012

ID: -  
 Location: 1906m NW  
 SSSI name: Thorne, Crowle and Goole Moors  
 Unit name: Crowle Southern Reserve  
 Broad habitat: Bogs - Lowland  
 Condition: Unfavourable - Recovering  
 Reportable features:

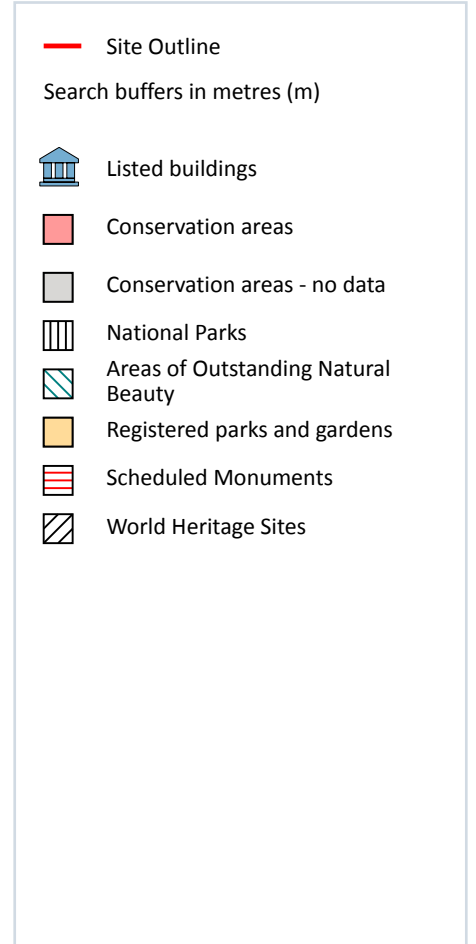
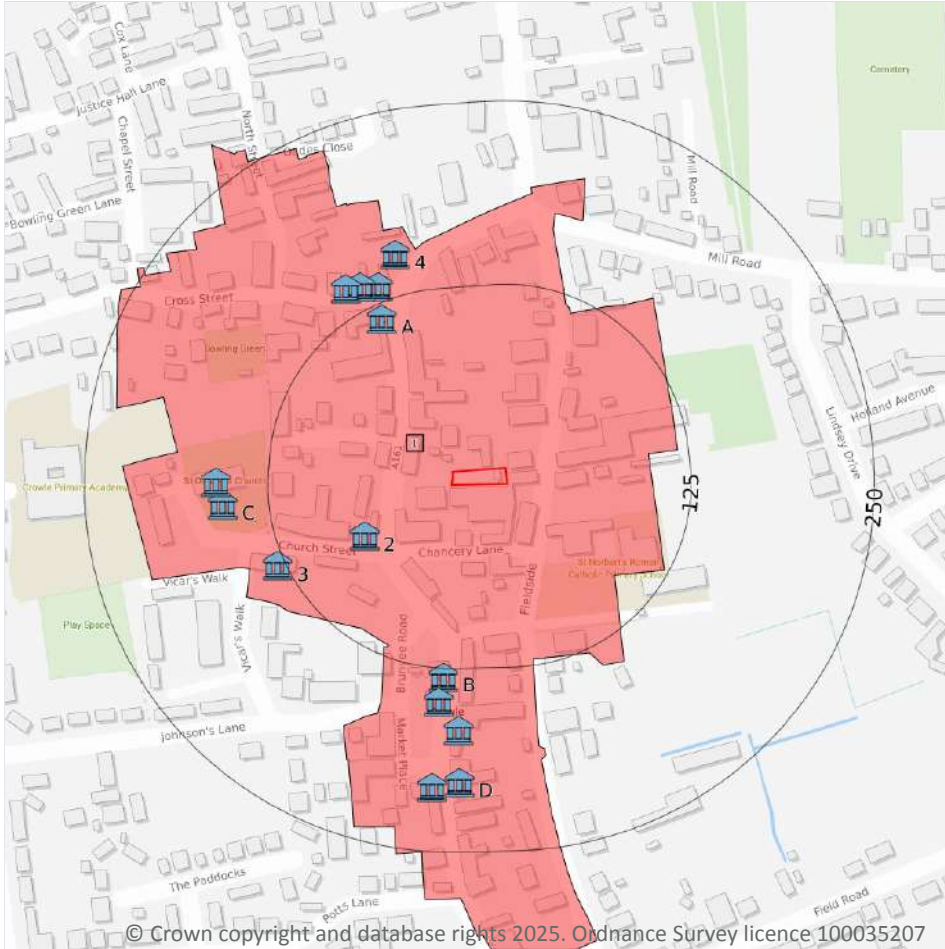
Feature name	Feature condition	Date of assessment
Aggregations of breeding birds - Nightjar, <i>Caprimulgus europaeus</i>	Favourable	01/12/2015
Assemblages of breeding birds - Mixed: Lowland damp grassland, Lowland heath, Scrub, Woodland	Favourable	22/12/2021
H7120 Degraded raised bogs (still capable of natural regeneration)	Unfavourable - Recovering	04/10/2012
Invert. assemblage W312 sphagnum bog	Unfavourable - Recovering	04/10/2012
Raised bog (lowland)	Unfavourable - Recovering	04/10/2012

ID: -  
Location: 1950m NW  
SSSI name: Thorne, Crowle and Goole Moors  
Unit name: Mr Waters Land  
Broad habitat: Bogs - Lowland  
Condition: Unfavourable - Recovering  
Reportable features:

Feature name	Feature condition	Date of assessment
Aggregations of breeding birds - Nightjar, <i>Caprimulgus europaeus</i>	Favourable	01/12/2015
Assemblages of breeding birds - Mixed: Lowland damp grassland, Lowland heath, Scrub, Woodland	Favourable	22/12/2021
H7120 Degraded raised bogs (still capable of natural regeneration)	Unfavourable - Recovering	28/09/2012
Invert. assemblage W312 sphagnum bog	Unfavourable - Recovering	28/09/2012
Raised bog (lowland)	Unfavourable - Recovering	28/09/2012

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

## 11 Visual and cultural designations



### 11.1 World Heritage Sites

Records within 250m

0

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

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

## 11.2 Area of Outstanding Natural Beauty

Records within 250m

0

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

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

## 11.3 National Parks

Records within 250m

0

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

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

## 11.4 Listed Buildings

Records within 250m

14

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 73 >](#)

ID	Location	Name	Grade	Reference Number	Listed date
2	69m SW	Number 1 And Gate Piers To Left	II	1063740	01/03/1967
A	114m NW	2, Cross Street (See Details For Further Address Information)	II	1083267	10/09/1987
3	130m SW	The Old Vicarage	II	1083300	10/09/1987
B	131m S	47 High Street, Crowle	II	1083268	15/07/1987
A	136m NW	1 And 3, Cross Street (See Details For Further Address Information)	II	1065721	15/07/1987



ID	Location	Name	Grade	Reference Number	Listed date
A	141m NW	5, Cross Street	II	1083262	10/09/1987
A	145m NW	7 And 9, Cross Street	II	1346694	10/09/1987
B	148m S	The Cross Keys Inn	II	1083269	10/09/1987
4	153m N	Fernlea	II	1356167	10/09/1987
C	156m W	Churchyard Cross Approximately 5 Metres South Of Church Of St Oswald	II	1359670	10/09/1987
C	160m W	Church Of St Oswald	I	1346672	01/03/1967
B	167m S	84, High Street	II	1083265	15/07/1987
D	203m S	White Hart Inn	II	1083266	10/09/1987
D	207m S	49, High Street (See Details For Further Address Information)	II	1068609	10/09/1987

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

## 11.5 Conservation Areas

### Records within 250m

1

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.

Features are displayed on the Visual and cultural designations map on [page 73 >](#)

ID	Location	Name	District	Date of designation
1	On site	Crowle	North Lincolnshire	20/03/1989

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

## 11.6 Scheduled Ancient Monuments

### Records within 250m

0

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



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

## 11.7 Registered Parks and Gardens

Records within 250m

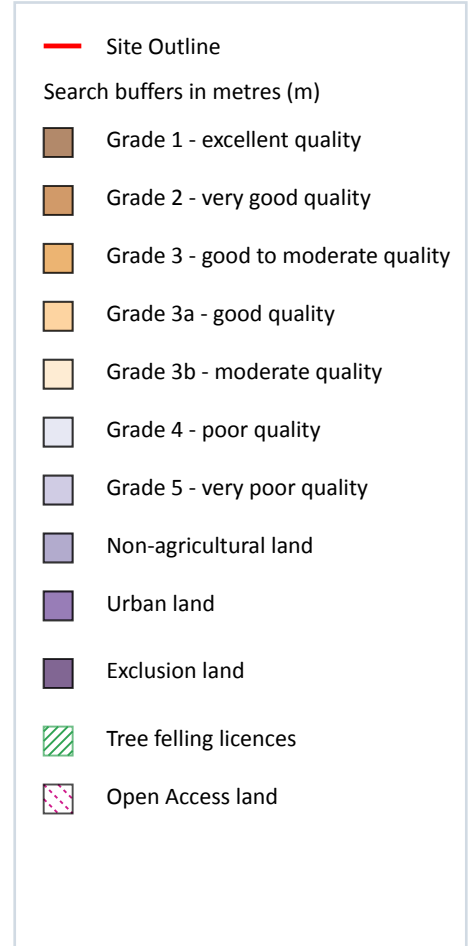
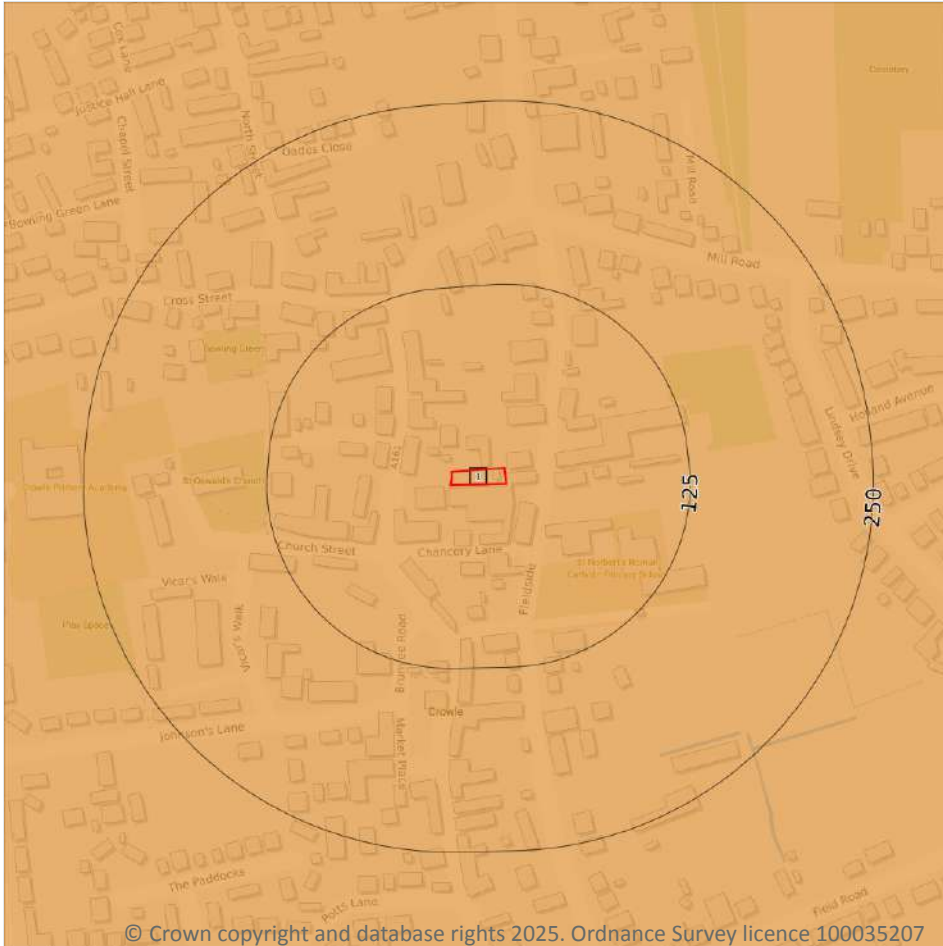
0

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

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



## 12 Agricultural designations



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### 12.1 Agricultural Land Classification

<b>Records within 250m</b>	<b>1</b>
----------------------------	----------

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 77 >](#)

ID	Location	Classification	Description
1	On site	Grade 3	<b>Good to moderate quality agricultural land. Land with moderate limitations which affect the choice of crops, timing and type of cultivation, harvesting or the level of yield. Where more demanding crops are grown yields are generally lower or more variable than on land in Grades 1 and 2.</b>

*This data is sourced from Natural England.*

## 12.2 Open Access Land

Records within 250m

0

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

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

## 12.3 Tree Felling Licences

Records within 250m

0

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

*This data is sourced from the Forestry Commission.*

## 12.4 Environmental Stewardship Schemes

Records within 250m

0

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

*This data is sourced from Natural England.*

## 12.5 Countryside Stewardship Schemes

Records within 250m

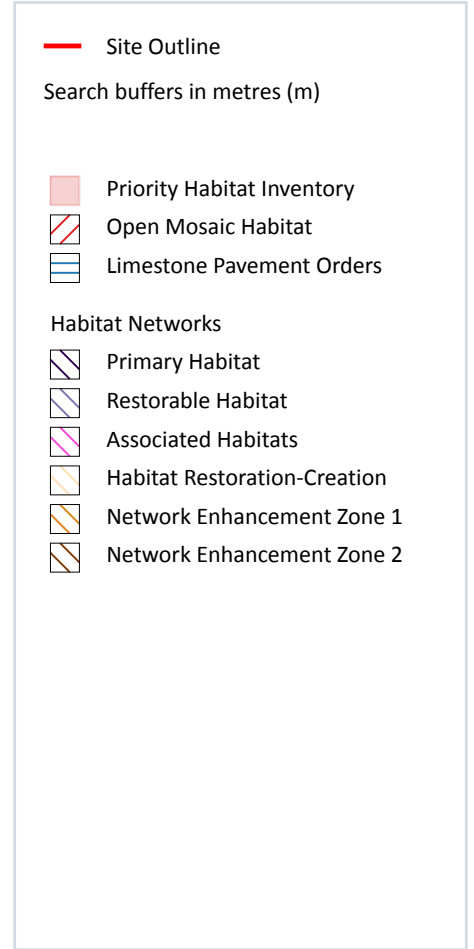
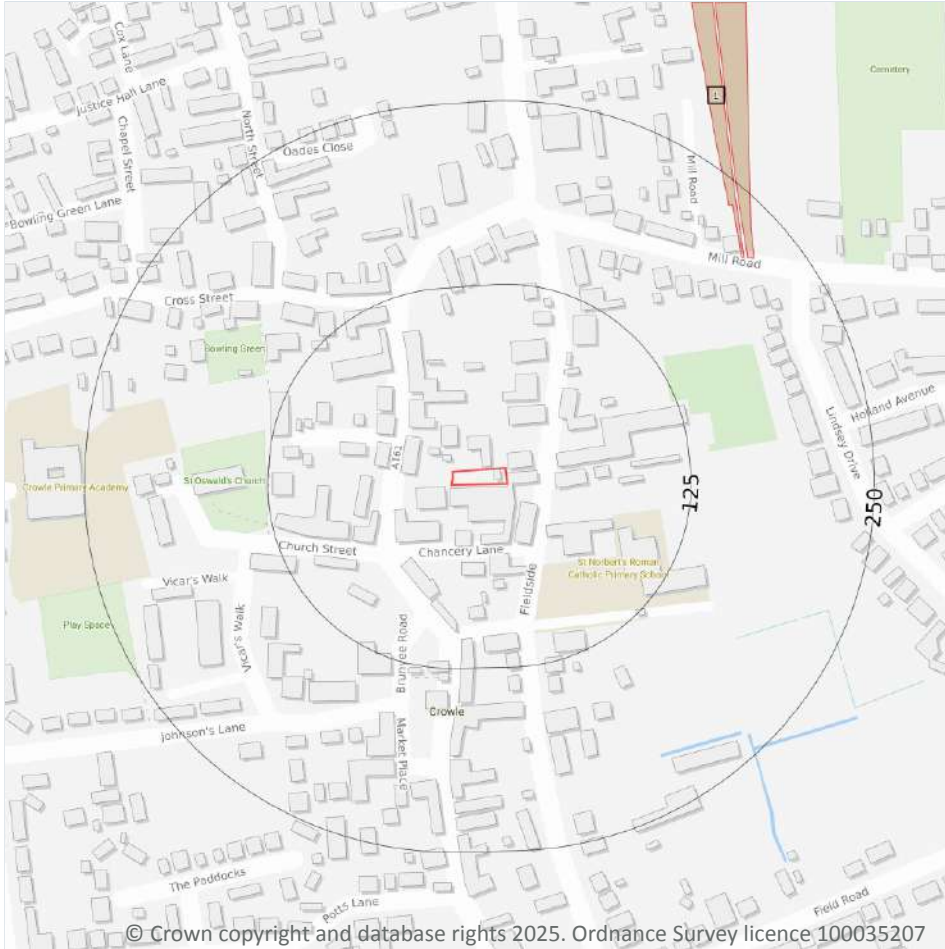
0

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

*This data is sourced from Natural England.*



## 13 Habitat designations



### 13.1 Priority Habitat Inventory

Records within 250m

1

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

Features are displayed on the Habitat designations map on [page 79 >](#)

ID	Location	Main Habitat	Other habitats
1	216m NE	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

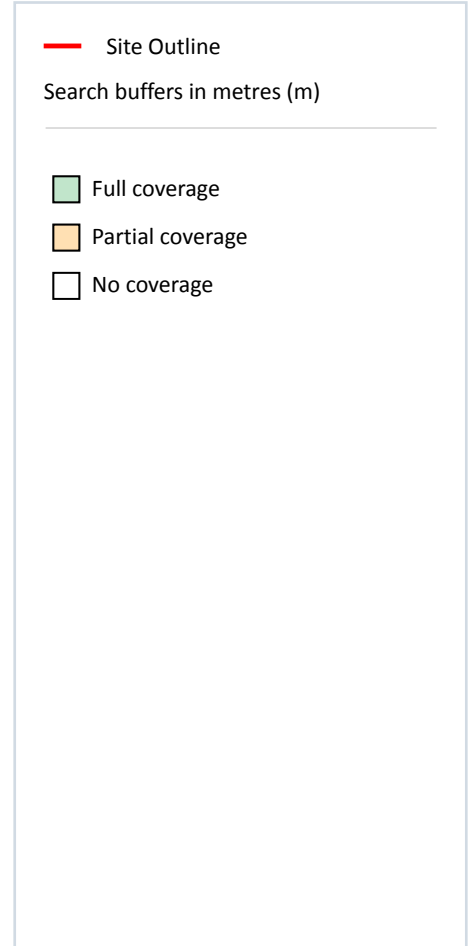
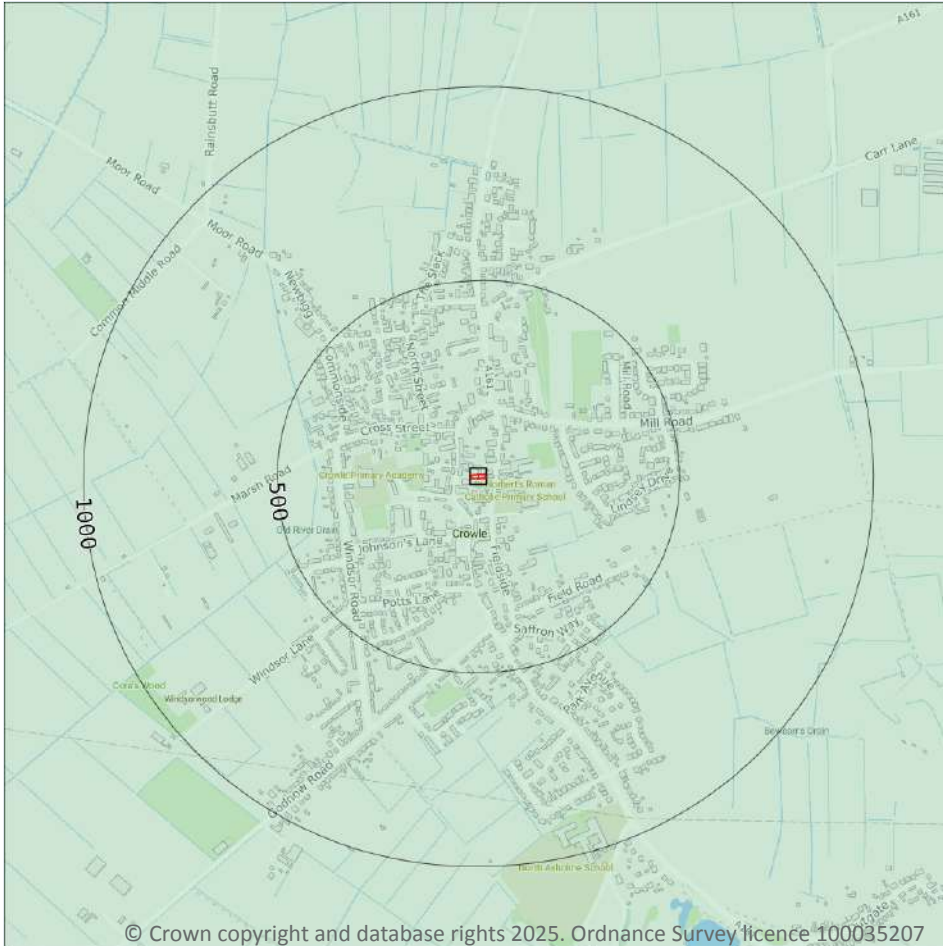
0

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 81](#) >

ID	Location	Artificial	Superficial	Bedrock	Mass movement	Sheet No.
1	On site	No coverage	Full	Full	No coverage	SE71SE

This data is sourced from the British Geological Survey.

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

### 14.2 Artificial and made ground (10k)

Records within 500m

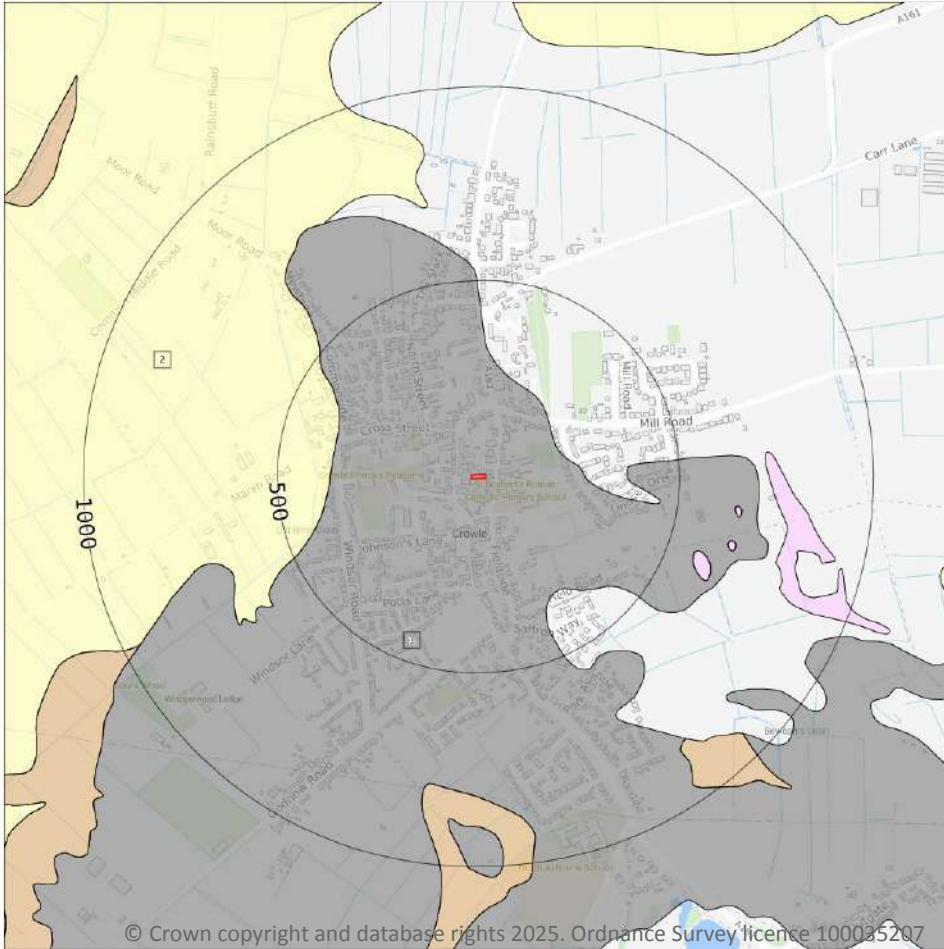
0

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

*This data is sourced from the British Geological Survey.*



## Geology 1:10,000 scale - Superficial



- Site Outline
- Search buffers in metres (m)
- Landslip (10k)
- Superficial geology (10k)  
Please see table for more details.

### 14.3 Superficial geology (10k)

Records within 500m

2

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

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

ID	Location	LEX Code	Description	Rock description
1	On site	BSA1-S	Blown Sand, 1 - Sand	Sand
2	358m W	ALV-XCZSV	Alluvium - Clay, Silt, Sand And Gravel	Clay, Silt, Sand And Gravel

This data is sourced from the British Geological Survey.

## 14.4 Landslip (10k)

Records within 500m

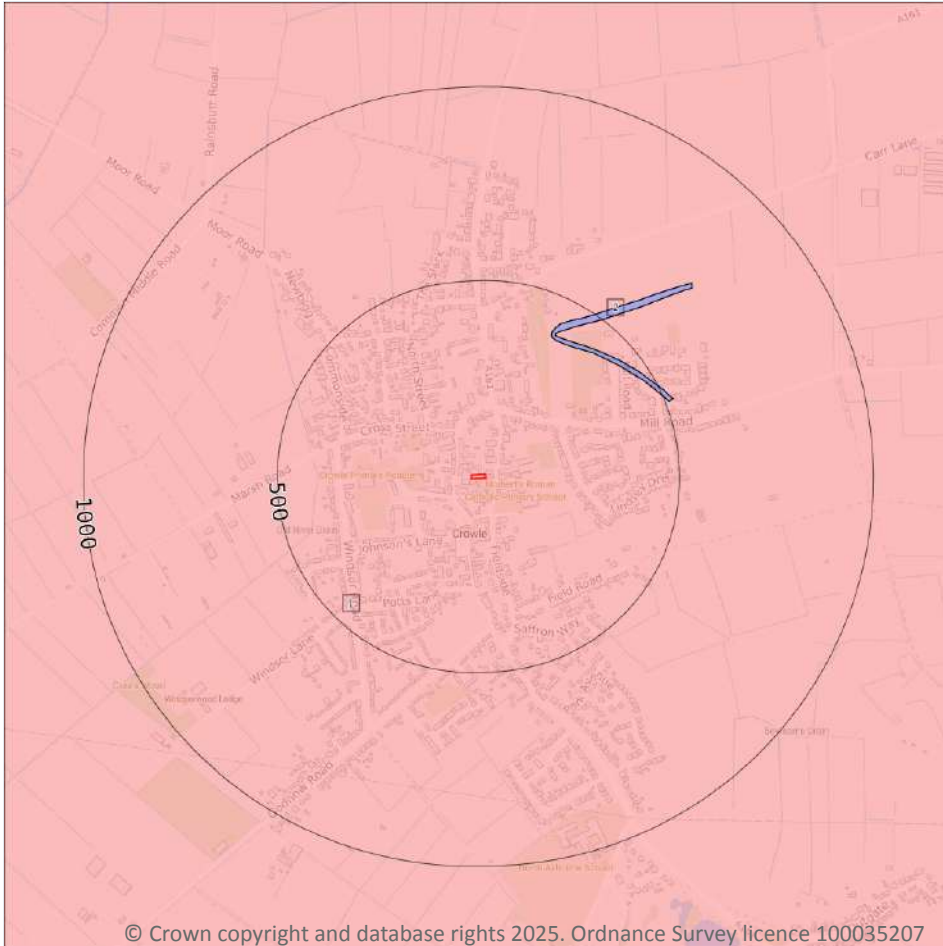
0

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

*This data is sourced from the British Geological Survey.*



## Geology 1:10,000 scale - Bedrock



- Site Outline
- Search buffers in metres (m)
- ..... Bedrock faults and other linear features (10k)
- Bedrock geology (10k)  
Please see table for more details.

### 14.5 Bedrock geology (10k)

Records within 500m

2

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

Features are displayed on the Geology 1:10,000 scale - Bedrock map on [page 85](#) >

ID	Location	LEX Code	Description	Rock age
1	On site	MMG-MDST	Mercia Mudstone Group - Mudstone	Rhaetian Age - Early Triassic Epoch
2	390m NE	MMG-DSLST	Mercia Mudstone Group - Dolomitic Siltstone	Rhaetian Age - Early Triassic Epoch

*This data is sourced from the British Geological Survey.*

## 14.6 Bedrock faults and other linear features (10k)

Records within 500m

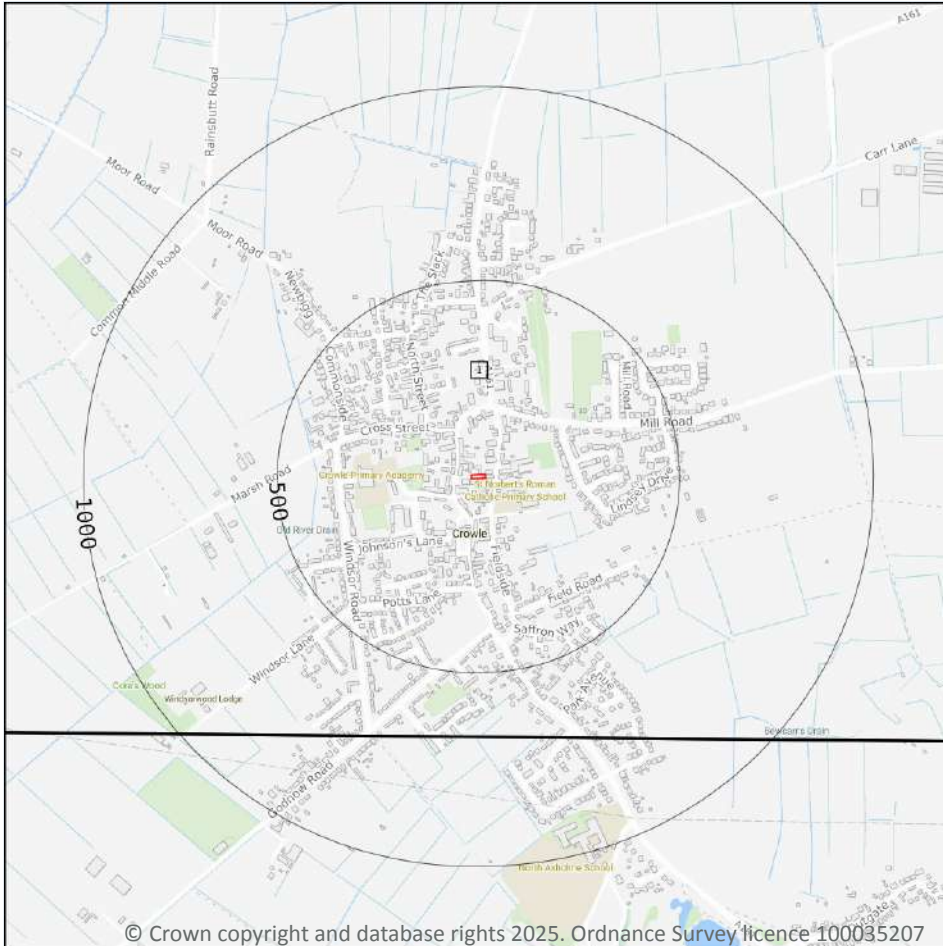
0

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

*This data is sourced from the British Geological Survey.*



## 15 Geology 1:50,000 scale - Availability



— Site Outline

Search buffers in metres (m)

---

□ Geological map tile

### 15.1 50k Availability

Records within 500m

1

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

Features are displayed on the Geology 1:50,000 scale - Availability map on [page 87](#) >

ID	Location	Artificial	Superficial	Bedrock	Mass movement	Sheet No.
1	On site	No coverage	Full	Full	No coverage	EW079_goole_v4

This data is sourced from the British Geological Survey.



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

### 15.2 Artificial and made ground (50k)

Records within 500m

0

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

*This data is sourced from the British Geological Survey.*

### 15.3 Artificial ground permeability (50k)

Records within 50m

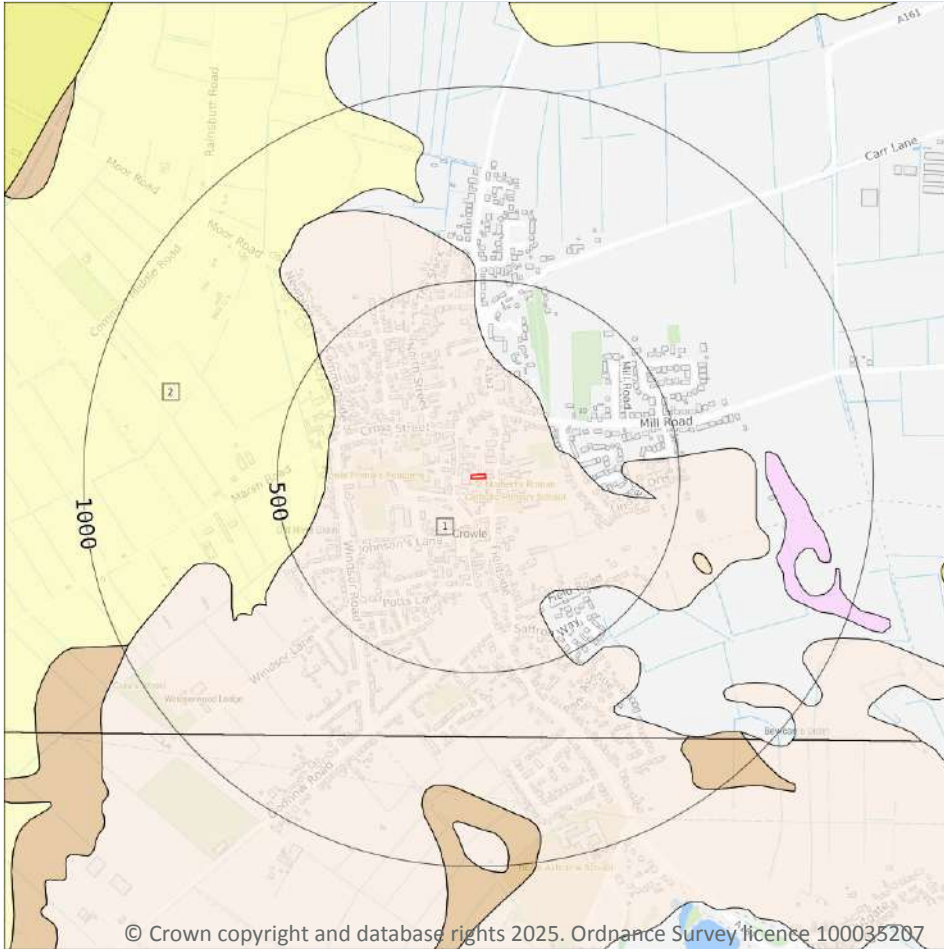
0

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

*This data is sourced from the British Geological Survey.*



## Geology 1:50,000 scale - Superficial



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

### 15.4 Superficial geology (50k)

Records within 500m

2

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

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

ID	Location	LEX Code	Description	Rock description
1	On site	SUTN-S	SUTTON SAND FORMATION	SAND
2	373m W	ALV-XCZSV	ALLUVIUM	CLAY, SILT, SAND AND GRAVEL

This data is sourced from the British Geological Survey.



## 15.5 Superficial permeability (50k)

**Records within 50m** **1**

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

Location	Flow type	Maximum permeability	Minimum permeability
On site	Intergranular	High	High

*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.*

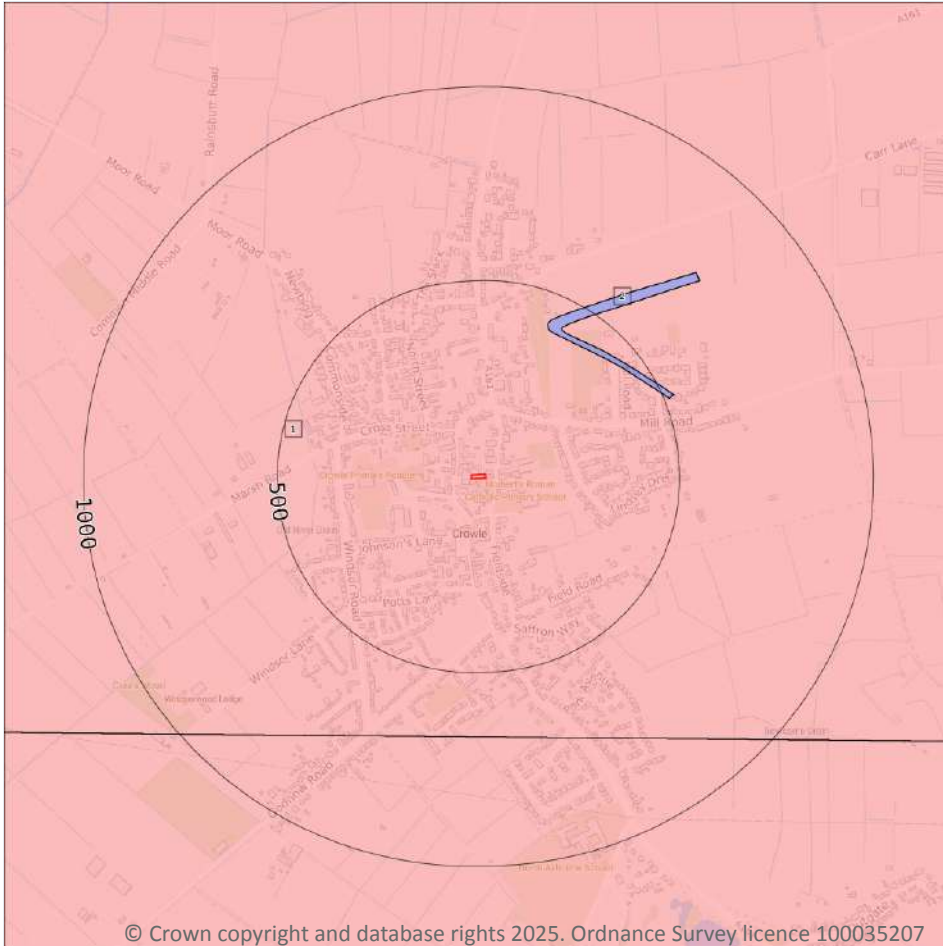
## 15.7 Landslip permeability (50k)

**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

2

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 91](#) >

ID	Location	LEX Code	Description	Rock age
1	On site	MMG-MDST	MERCIA MUDSTONE GROUP - MUDSTONE	-
2	404m NE	MMG-DSLST	MERCIA MUDSTONE GROUP - SILTSTONE, DOLOMITIC	-

*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	Low	Low

*This data is sourced from the British Geological Survey.*

## 15.10 Bedrock faults and other linear features (50k)

Records within 500m

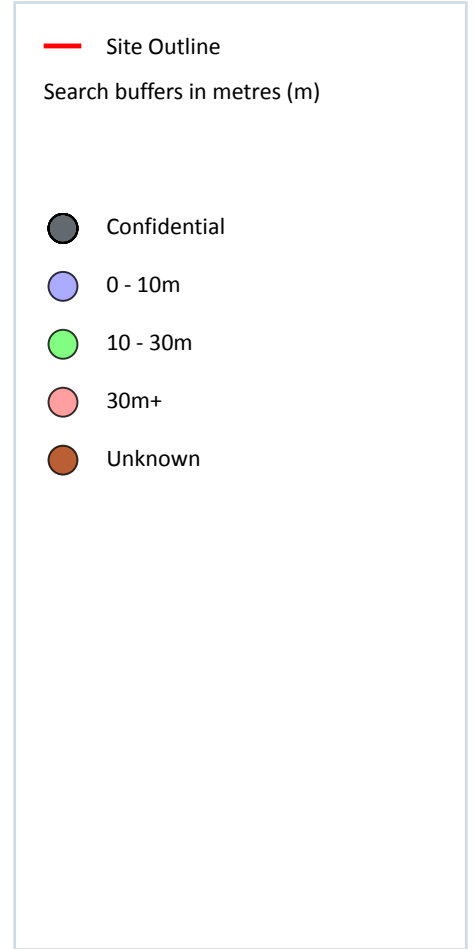
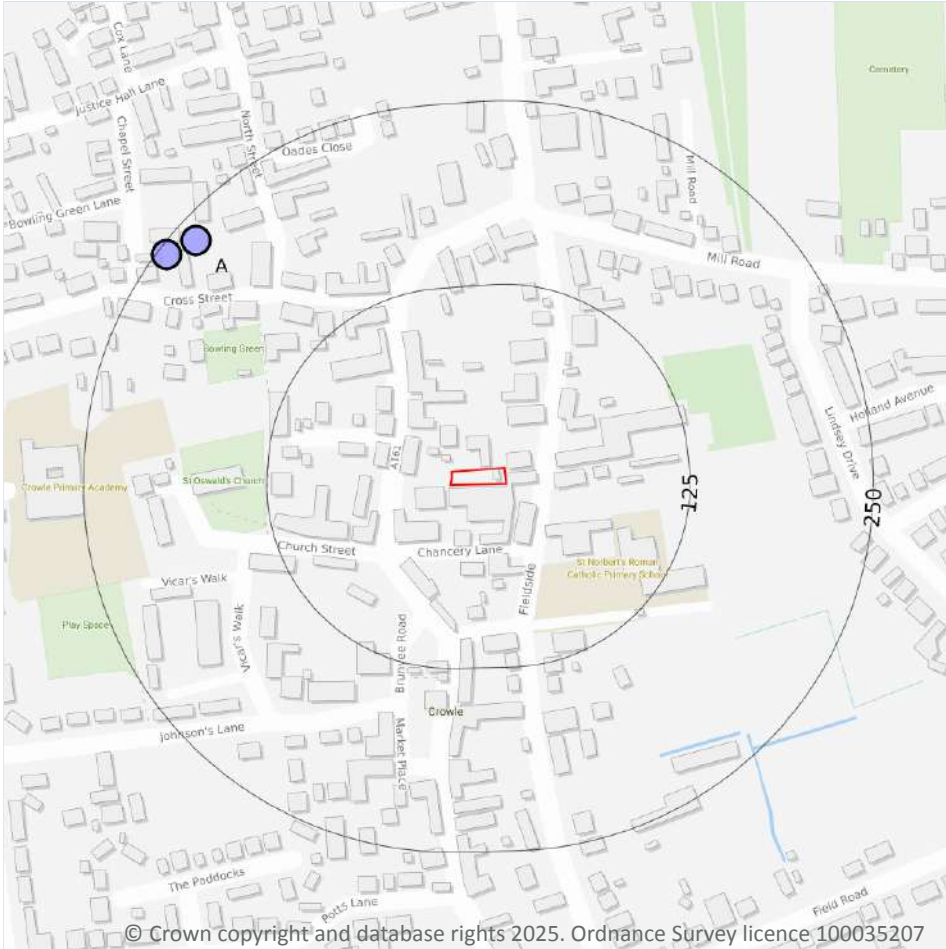
0

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

*This data is sourced from the British Geological Survey.*



## 16 Boreholes



### 16.1 BGS Boreholes

Records within 250m

2

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.

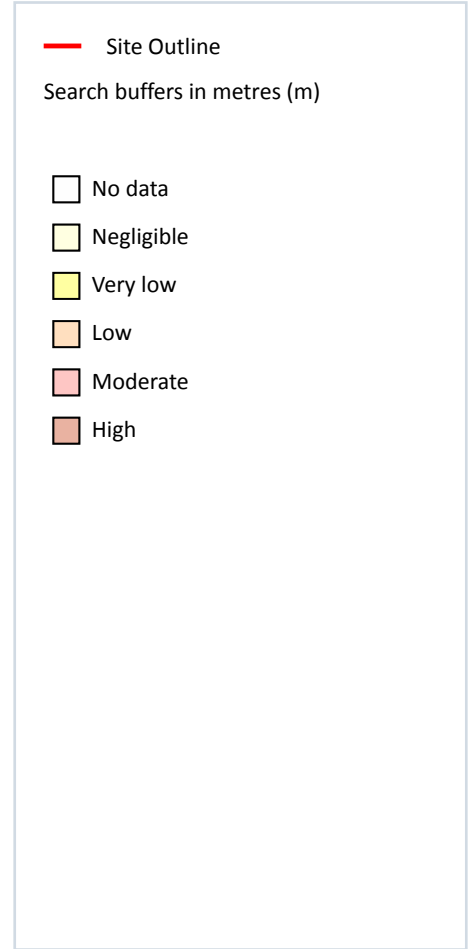
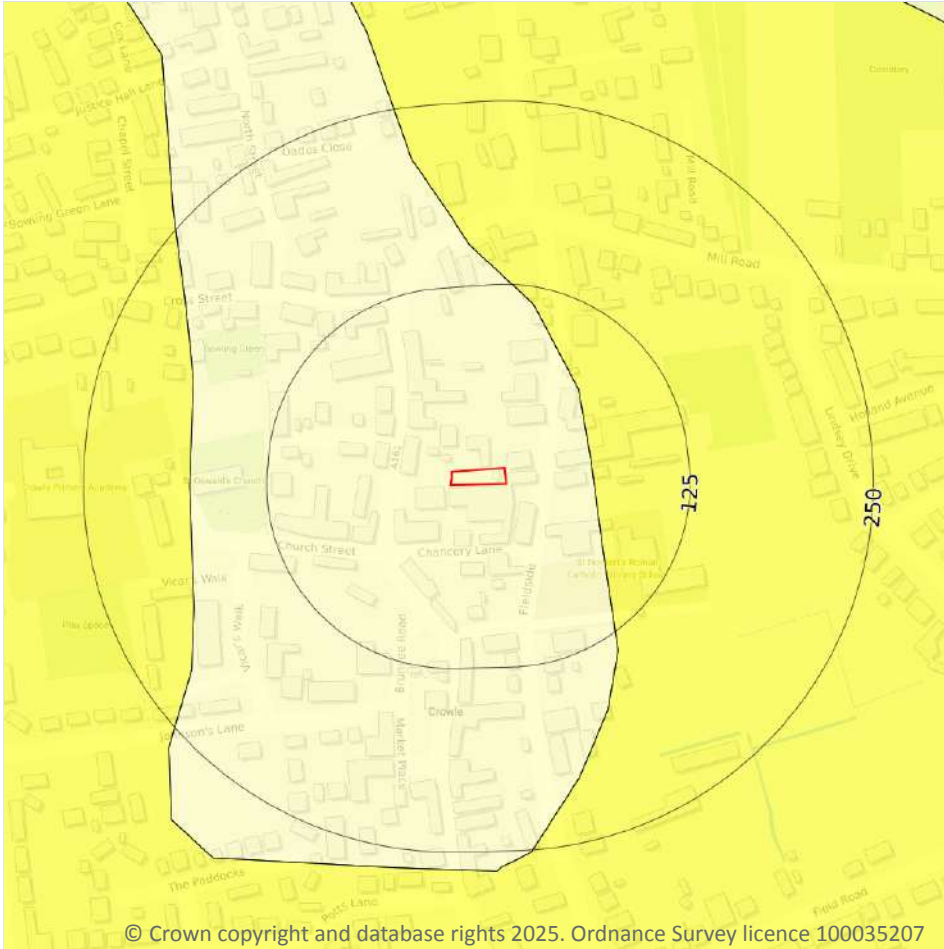
Features are displayed on the Boreholes map on [page 93](#) >

ID	Location	Grid reference	Name	Length	Confidential	Web link
A	235m NW	477140 413150	CHAPEL STREET CROWLE TP 2	10.0	N	<a href="#">124775</a> ↗
A	244m NW	477120 413140	CHAPEL STREET CROWLE TP 1	10.0	N	<a href="#">124774</a> ↗

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

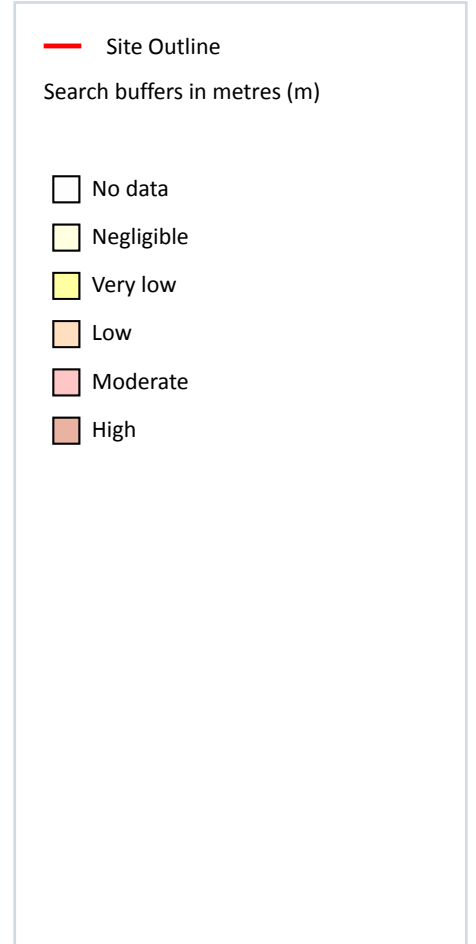
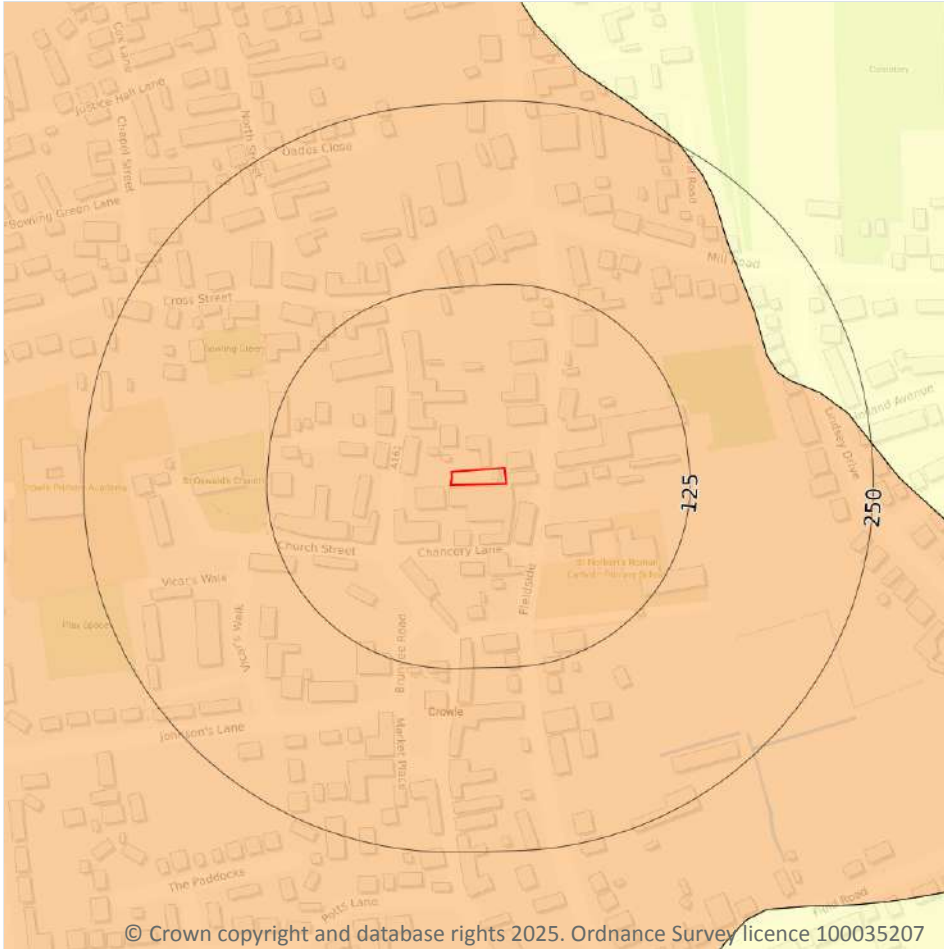
The potential hazard presented by soils that absorb water when wet (making them swell), and lose water as they dry (making them shrink). This shrink-swell behaviour is controlled by the type and amount of clay in the soil, and by seasonal changes in the soil moisture content (related to rainfall and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

Features are displayed on the Natural ground subsidence - Shrink swell clays map on [page 94 >](#)

Location	Hazard rating	Details
On site	Negligible	Ground conditions predominantly non-plastic.

*This data is sourced from the British Geological Survey.*

## Natural ground subsidence - Running sands



### 17.2 Running sands

#### Records within 50m

1

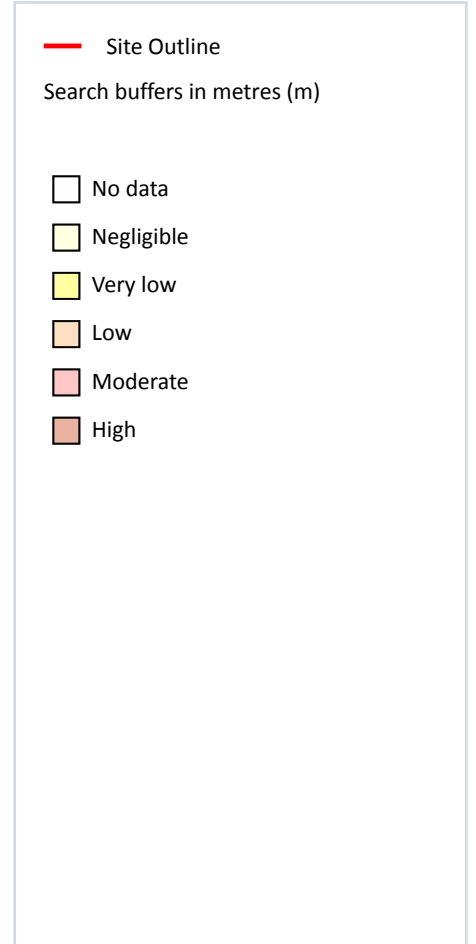
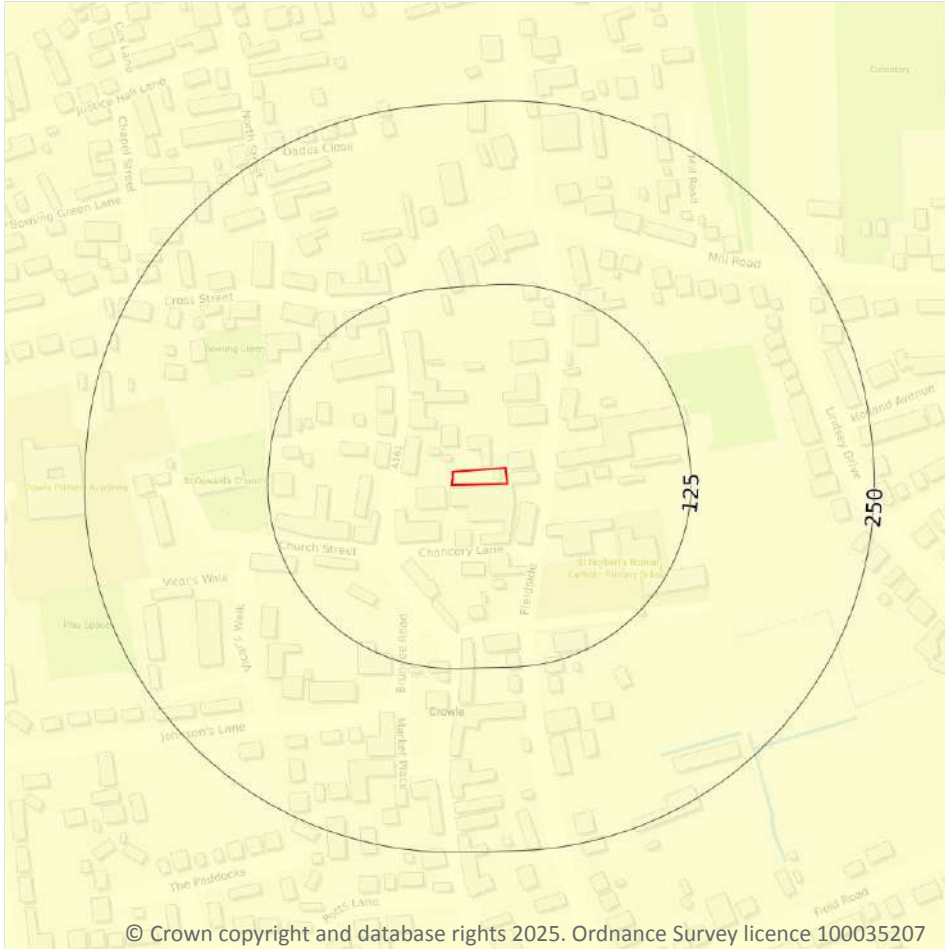
The potential hazard presented by rocks that can contain loosely-packed sandy layers that can become fluidised by water flowing through them. Such sands can 'run', removing support from overlying buildings and causing potential damage.

Features are displayed on the Natural ground subsidence - Running sands map on [page 95](#) >

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

*This data is sourced from the British Geological Survey.*

## Natural ground subsidence - Compressible deposits



### 17.3 Compressible deposits

#### Records within 50m

1

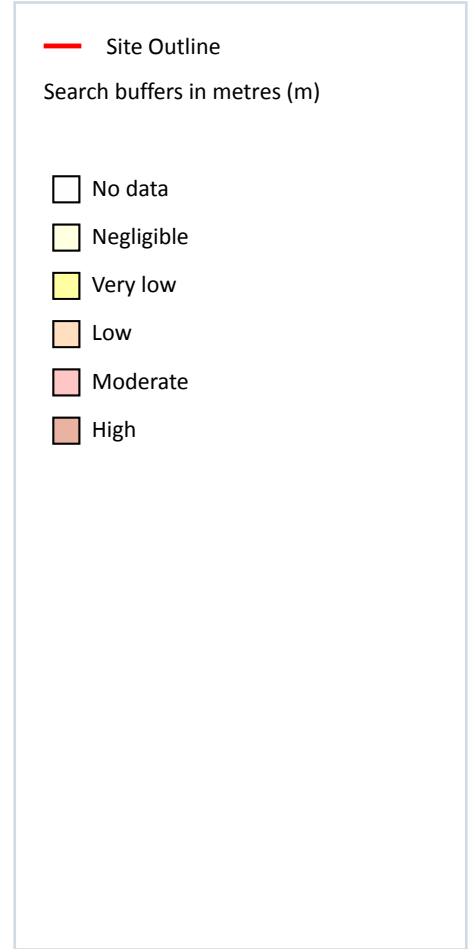
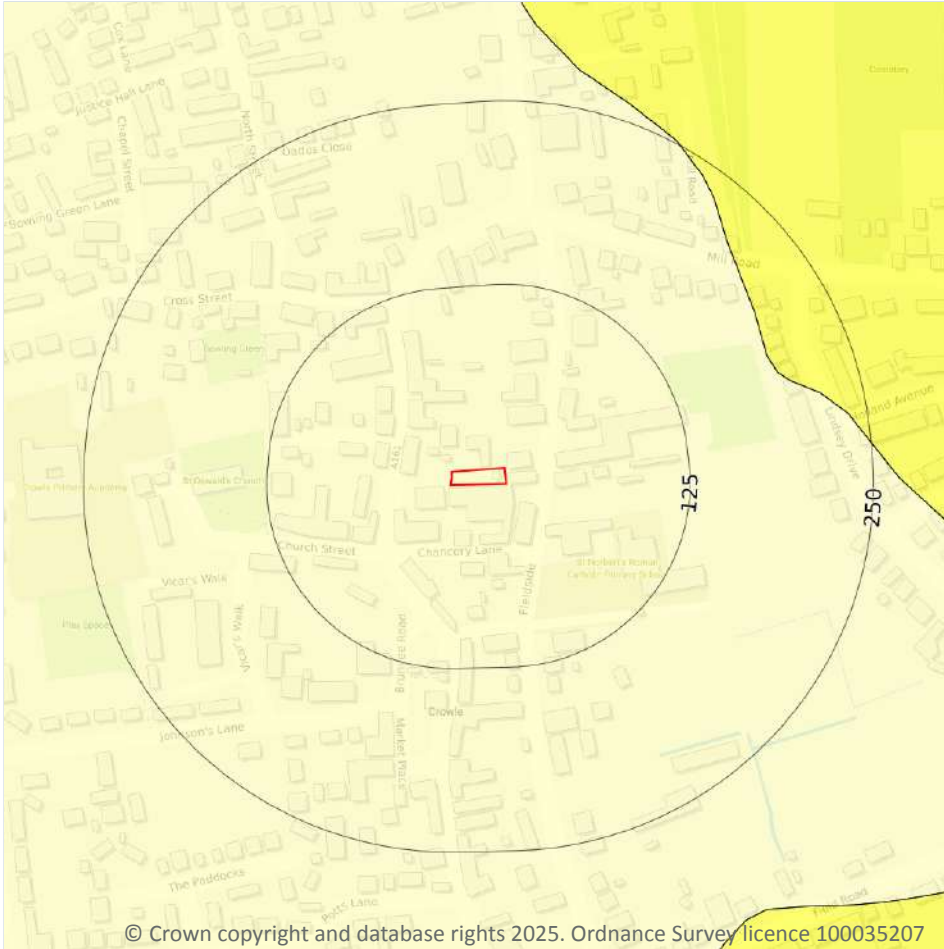
The potential hazard presented by types of ground that may contain layers of very soft materials like clay or peat and may compress if loaded by overlying structures, or if the groundwater level changes, potentially resulting in depression of the ground and disturbance of foundations.

Features are displayed on the Natural ground subsidence - Compressible deposits map on [page 96 >](#)

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

*This data is sourced from the British Geological Survey.*

## Natural ground subsidence - Collapsible deposits



### 17.4 Collapsible deposits

Records within 50m

1

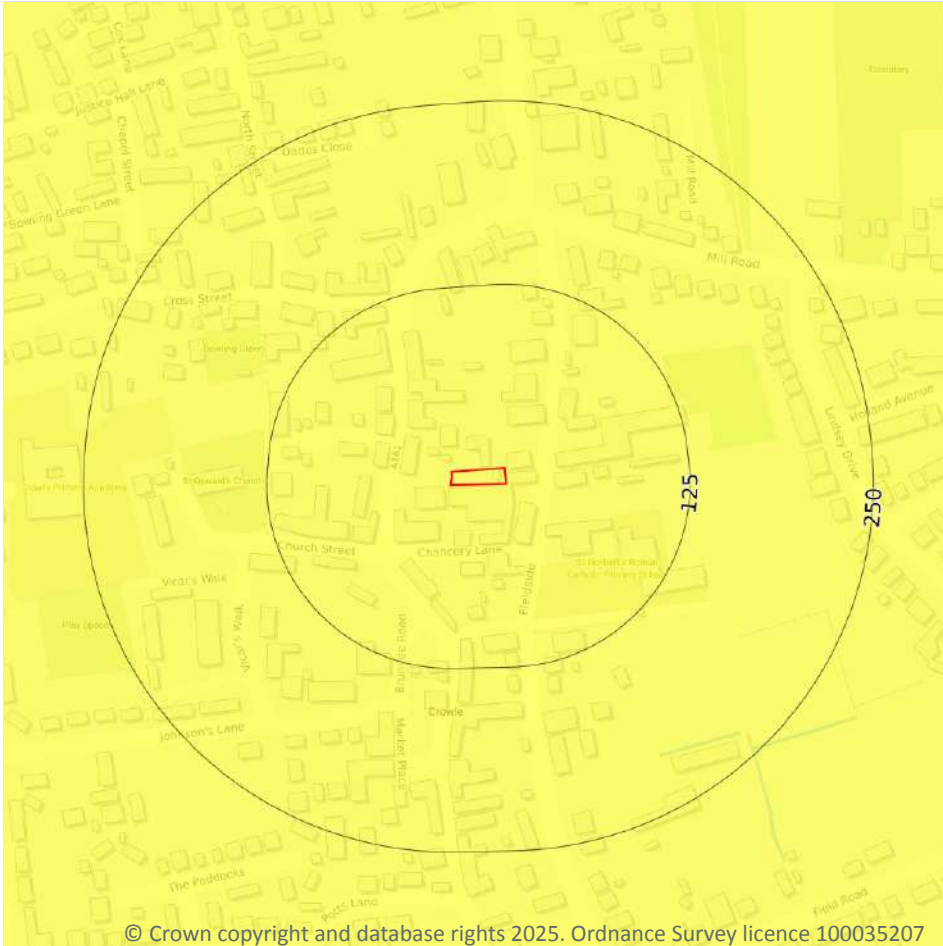
The potential hazard presented by natural deposits that could collapse when a load (such as a building) is placed on them or they become saturated with water.

Features are displayed on the Natural ground subsidence - Collapsible deposits map on [page 97 >](#)

Location	Hazard rating	Details
On site	Negligible	Deposits with potential to collapse when loaded and saturated are believed not to be present.

*This data is sourced from the British Geological Survey.*

## Natural ground subsidence - Landslides



— Site Outline  
 Search buffers in metres (m)

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

### 17.5 Landslides

Records within 50m

1

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

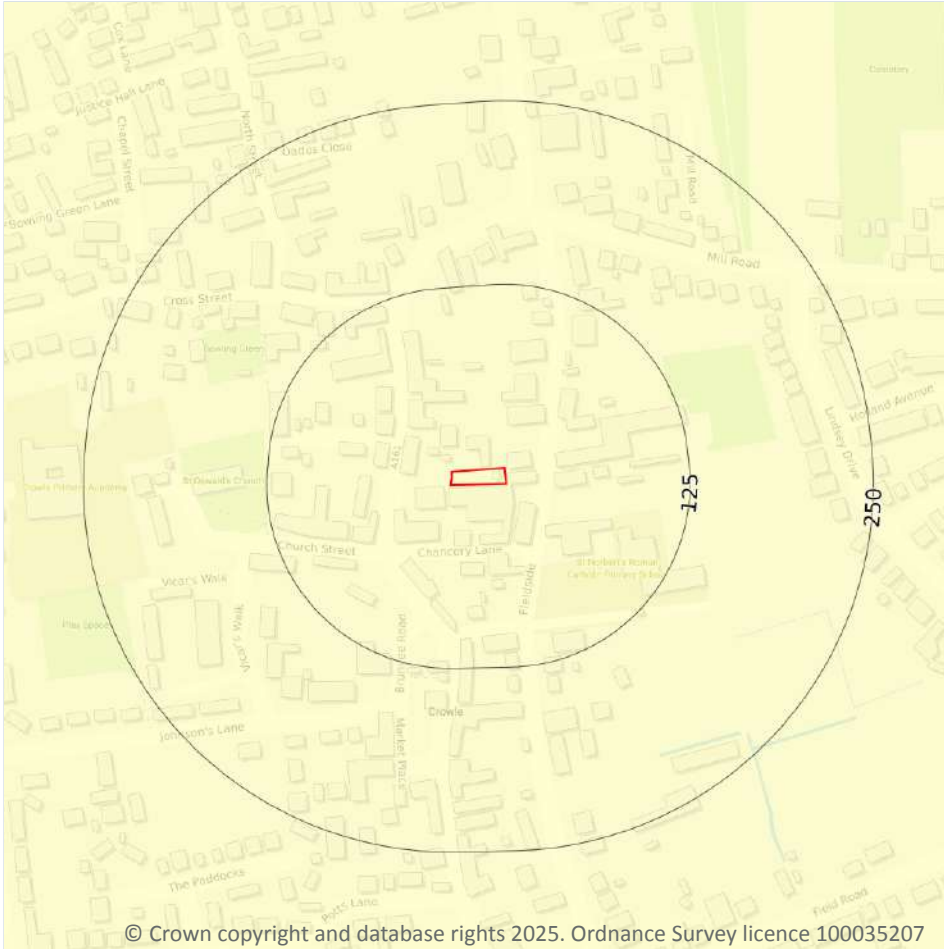
Features are displayed on the Natural ground subsidence - Landslides map on [page 98](#) >

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

*This data is sourced from the British Geological Survey.*



## Natural ground subsidence - Ground dissolution of soluble rocks



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### 17.6 Ground dissolution of soluble rocks

#### Records within 50m

1

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

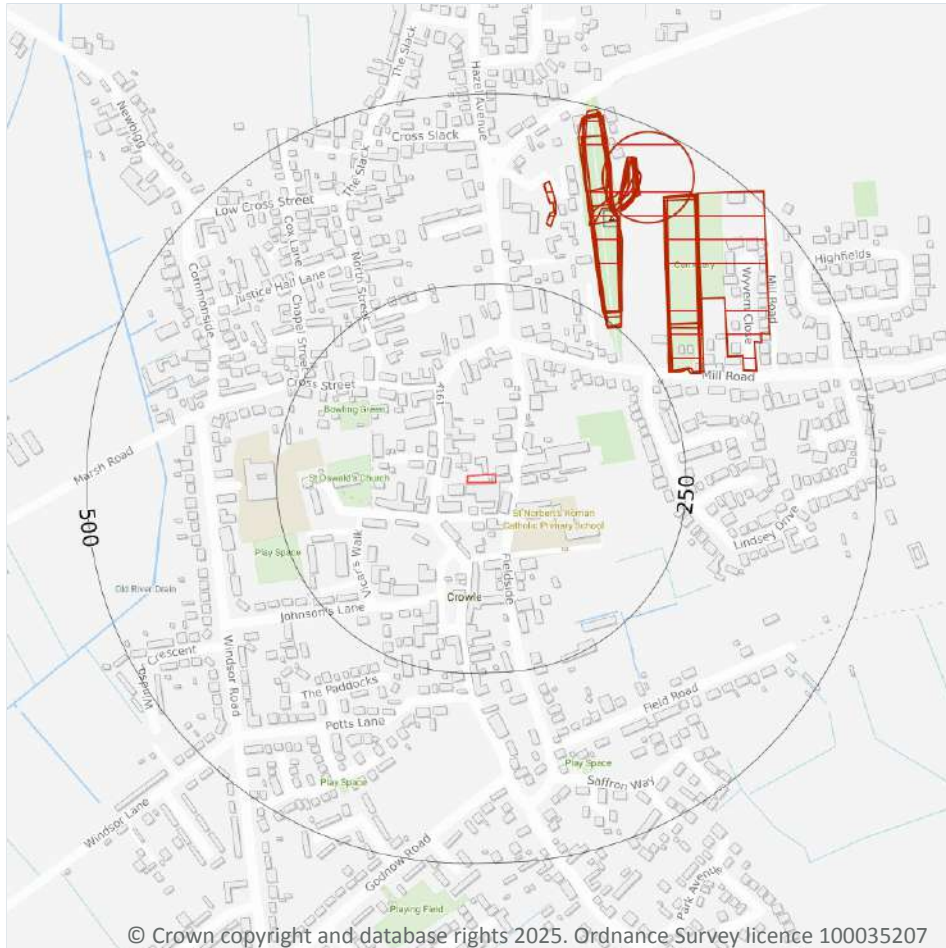
Features are displayed on the Natural ground subsidence - Ground dissolution of soluble rocks map on [page 99](#)

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

*This data is sourced from the British Geological Survey.*



## 18 Mining and ground workings



### 18.1 BritPits

Records within 500m

0

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.

*This data is sourced from the British Geological Survey.*

## 18.2 Surface ground workings

Records within 250m

2

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

Features are displayed on the Mining and ground workings map on [page 101](#) >

ID	Location	Land Use	Year of mapping	Mapping scale
A	243m NE	Cuttings	1908	1:10560
A	245m NE	Cuttings	1947	1:10560

*This is data is sourced from Ordnance Survey/Groundsure.*

## 18.3 Underground workings

Records within 1000m

0

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

*This is data is sourced from Ordnance Survey/Groundsure.*

## 18.4 Underground mining extents

Records within 500m

0

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

*This data is sourced from Groundsure.*

## 18.5 Historical Mineral Planning Areas

Records within 500m

0

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

*This data is sourced from the British Geological Survey.*



## 18.6 Non-coal mining

Records within 1000m

0

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).

*This data is sourced from the British Geological Survey.*

## 18.7 JPB mining areas

Records on site

0

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

*This data is sourced from Johnson Poole and Bloomer.*

## 18.8 The Coal Authority non-coal mining

Records within 500m

0

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

*This data is sourced from The Coal Authority.*

## 18.9 Researched mining

Records within 500m

0

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

*This data is sourced from Groundsure.*



## 18.10 Mining record office plans

Records within 500m

0

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

*This data is sourced from Groundsure.*

## 18.11 BGS mine plans

Records within 500m

0

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

*This data is sourced from Groundsure.*

## 18.12 Coal mining

Records on site

1

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

Location	Details
On site	<b>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.</b>

*This data is sourced from the Coal Authority.*

## 18.13 Brine areas

Records on site

0

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

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

### 18.14 Gypsum areas

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

Generalised areas that may be affected by gypsum extraction.

*This data is sourced from British Gypsum.*

### 18.15 Tin mining

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

Generalised areas that may be affected by historical tin mining.

*This data is sourced from Groundsure.*

### 18.16 Clay mining

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

Generalised areas that may be affected by kaolin and ball clay extraction.

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

## 19 Ground cavities and sinkholes

### 19.1 Natural cavities

Records within 500m

0

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

*This data is sourced from Stantec UK Ltd.*

### 19.2 Mining cavities

Records within 1000m

0

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

*This data is sourced from Stantec UK Ltd.*

### 19.3 Reported recent incidents

Records within 500m

0

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

*This data is sourced from Groundsure.*

### 19.4 Historical incidents

Records within 500m

0

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

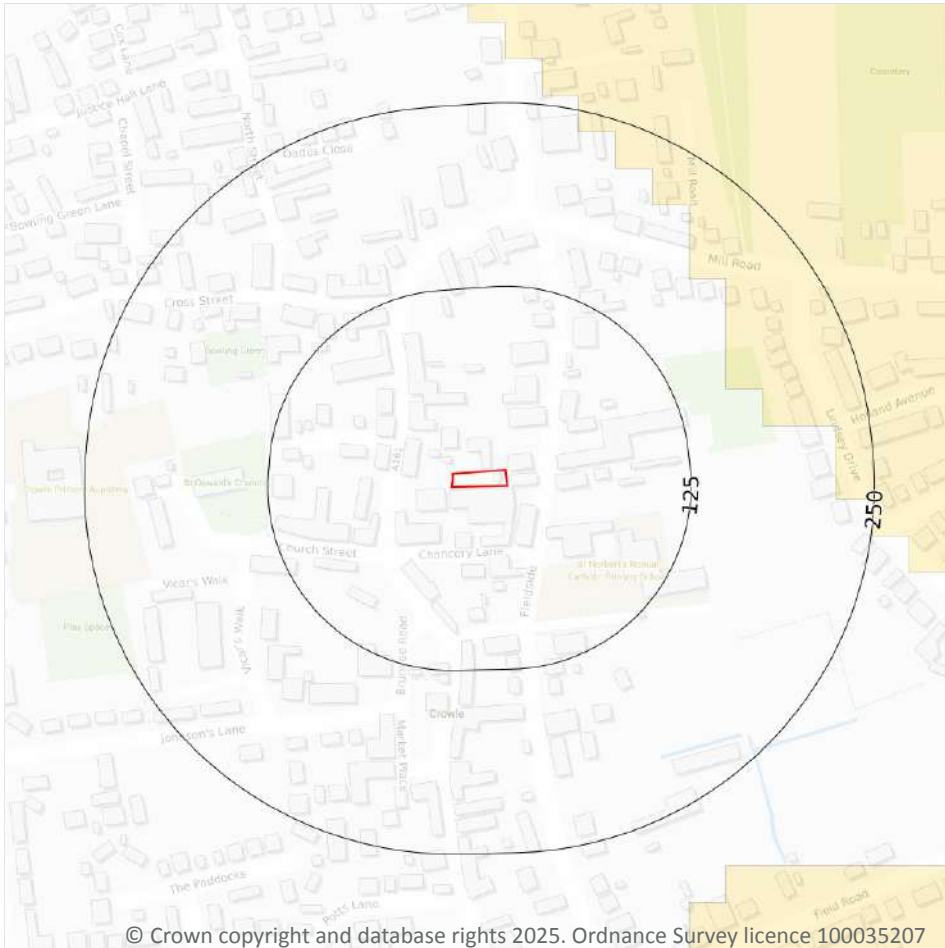
Not all 'holes' noted on Ordnance Survey mapping will necessarily be present within this dataset.



*This data is sourced from Groundsure.*



## 20 Radon



— Site Outline  
 Search buffers in metres (m)

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

### 20.1 Radon

#### Records on site

1

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

Features are displayed on the Radon map on [page 108 >](#)

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



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



## 21 Soil chemistry

### 21.1 BGS Estimated Background Soil Chemistry

Records within 50m

3

The estimated values provide the likely background concentration of the potentially harmful elements Arsenic, Cadmium, Chromium, Lead and Nickel in topsoil. The values are estimated primarily from rural topsoil data collected at a sample density of approximately 1 per 2 km<sup>2</sup>. In areas where rural soil samples are not available, estimation is based on stream sediment data collected from small streams at a sampling density of 1 per 2.5 km<sup>2</sup>; 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	20 - 40 mg/kg	15 mg/kg
5m NE	15 mg/kg	No data	100 mg/kg	60 mg/kg	1.8 mg/kg	20 - 40 mg/kg	15 mg/kg
5m NE	15 mg/kg	No data	100 mg/kg	60 mg/kg	1.8 mg/kg	20 - 40 mg/kg	15 mg/kg

*This data is sourced from the British Geological Survey.*

### 21.2 BGS Estimated Urban Soil Chemistry

Records within 50m

0

Estimated topsoil chemistry of Arsenic, Cadmium, Chromium, Copper, Nickel, Lead, Tin and Zinc and bioaccessible Arsenic and Lead in 23 urban centres across Great Britain. These estimates are derived from interpolation of the measured urban topsoil data referred to above and provide information across each city between the measured sample locations (4 per km<sup>2</sup>).

*This data is sourced from the British Geological Survey.*

### 21.3 BGS Measured Urban Soil Chemistry

Records within 50m

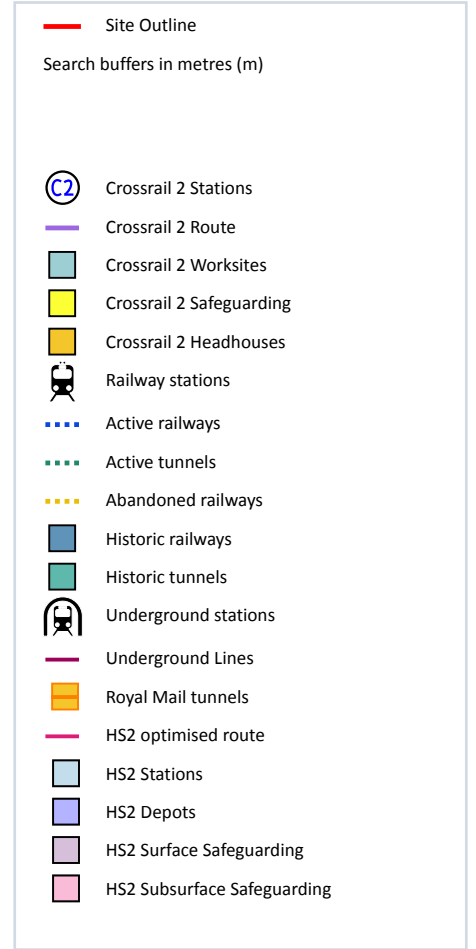
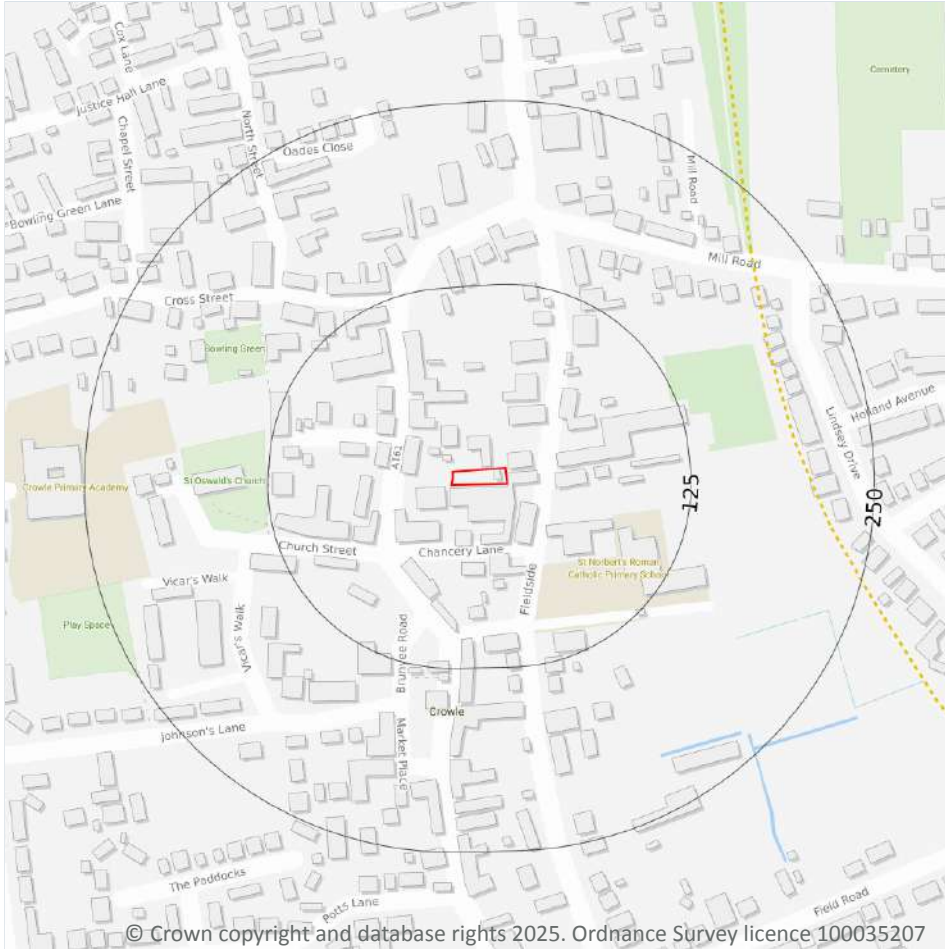
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The locations and measured total concentrations (mg/kg) of Arsenic, Cadmium, Chromium, Copper, Nickel, Lead, Tin and Zinc in urban topsoil samples from 23 urban centres across Great Britain. These are collected at a sample density of 4 per km<sup>2</sup>.

*This data is sourced from the British Geological Survey.*



## 22 Railway infrastructure and projects



### 22.1 Underground railways (London)

Records within 250m

0

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

*This data is sourced from publicly available information by Groundsure.*

### 22.2 Underground railways (Non-London)

Records within 250m

0

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

*This data is sourced from publicly available information by Groundsure.*

## 22.3 Railway tunnels

Records within 250m

0

Railway tunnels taken from contemporary Ordnance Survey mapping.

*This data is sourced from the Ordnance Survey.*

## 22.4 Historical railway and tunnel features

Records within 250m

0

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

*This data is sourced from Ordnance Survey/Groundsure.*

## 22.5 Royal Mail tunnels

Records within 250m

0

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

*This data is sourced from Groundsure/the Postal Museum.*

## 22.6 Historical railways

Records within 250m

3

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

Features are displayed on the Railway infrastructure and projects map on [page 111 >](#)

Location	Description
194m E	Razed
222m E	Abandoned
224m NE	Abandoned

*This data is sourced from OpenStreetMap.*



## 22.7 Railways

Records within 250m

0

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

*This data is sourced from Ordnance Survey and OpenStreetMap.*

## 22.8 Crossrail 2

Records within 500m

0

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

*This data is sourced from publicly available information by Groundsure.*

## 22.9 HS2

Records within 500m

0

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

*This data is sourced from HS2 Ltd.*



## Data providers

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

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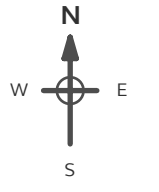
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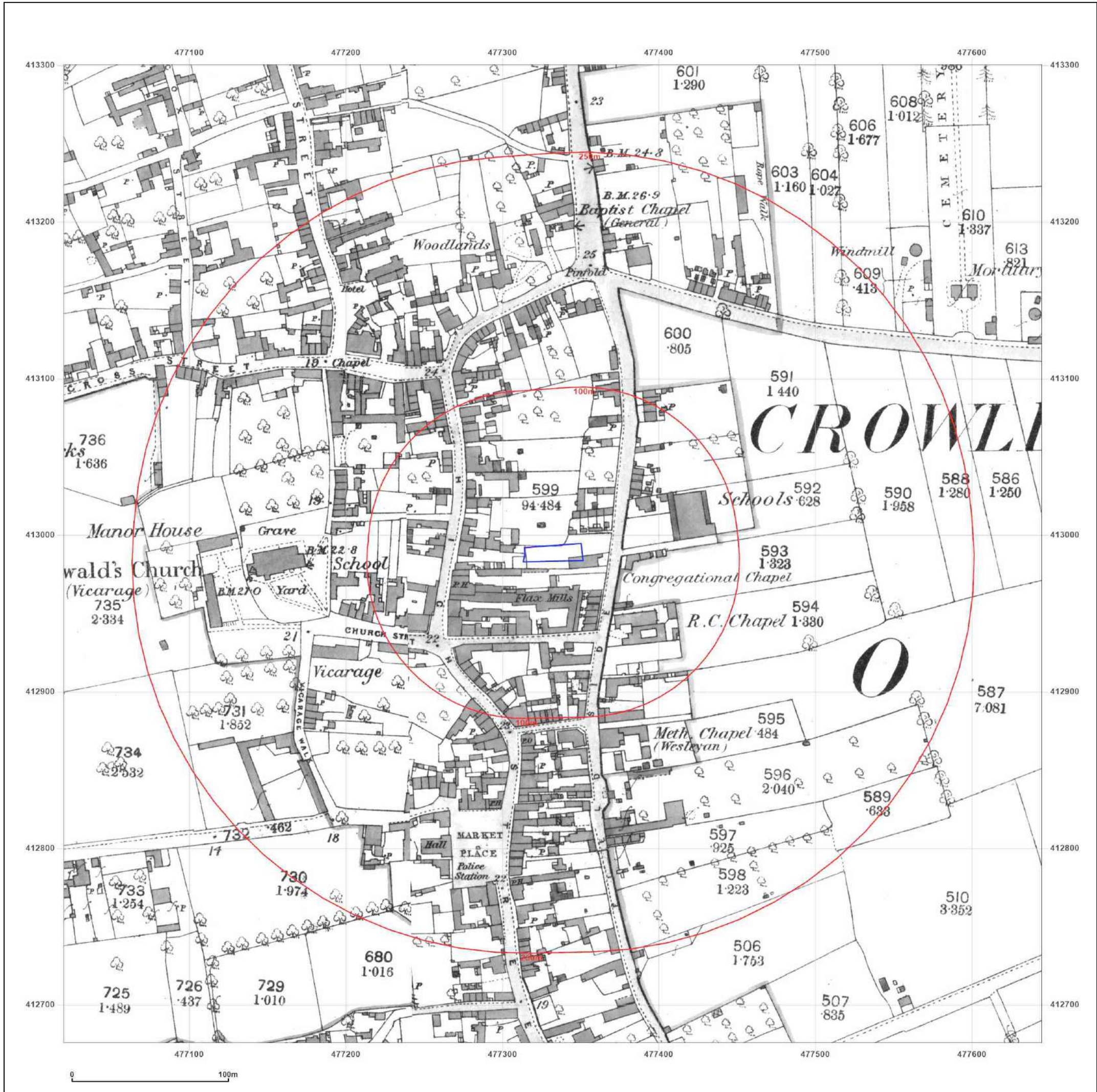


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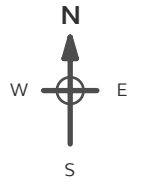
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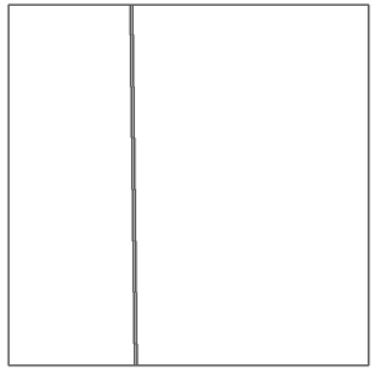


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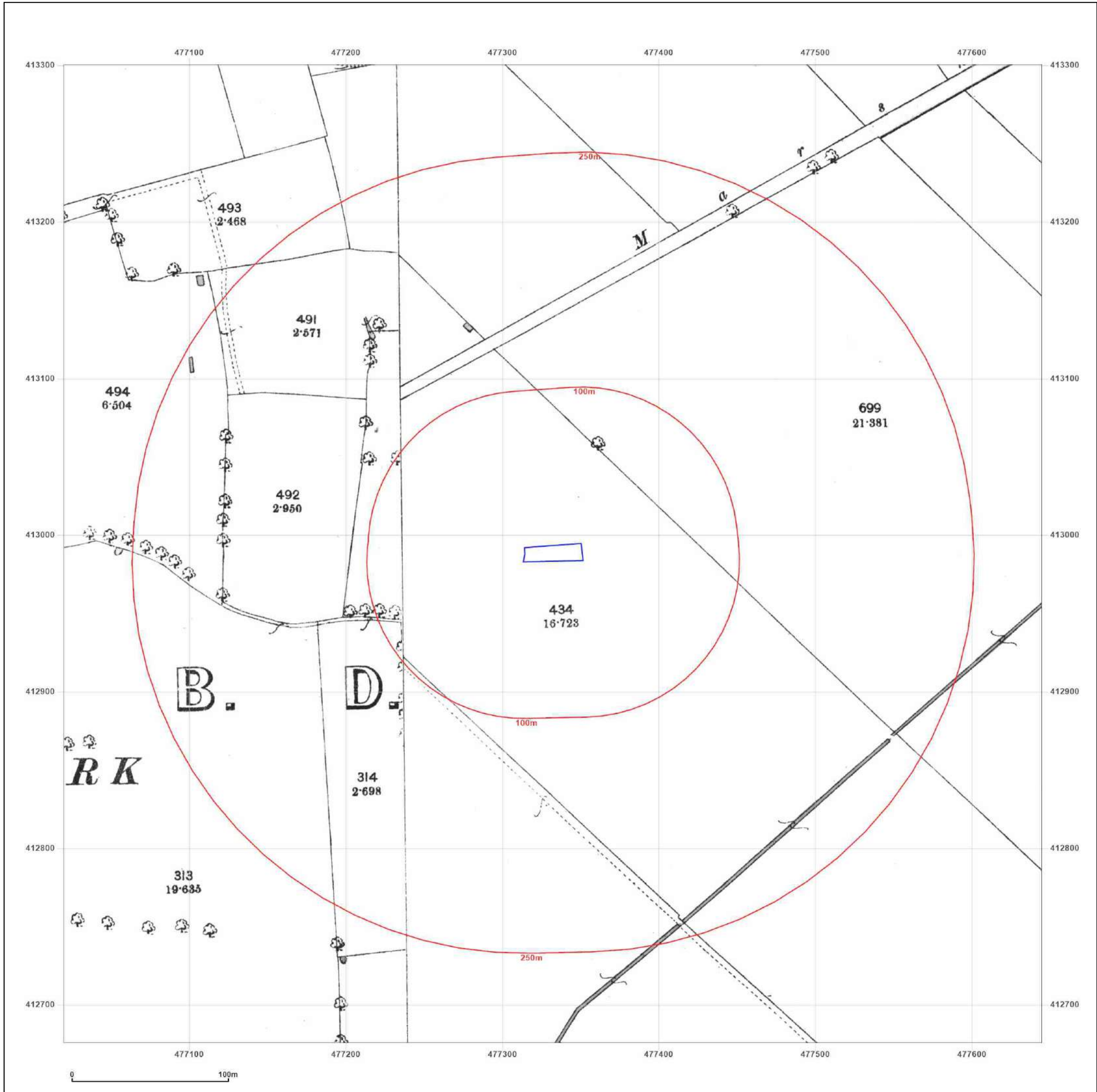
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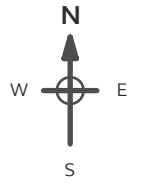
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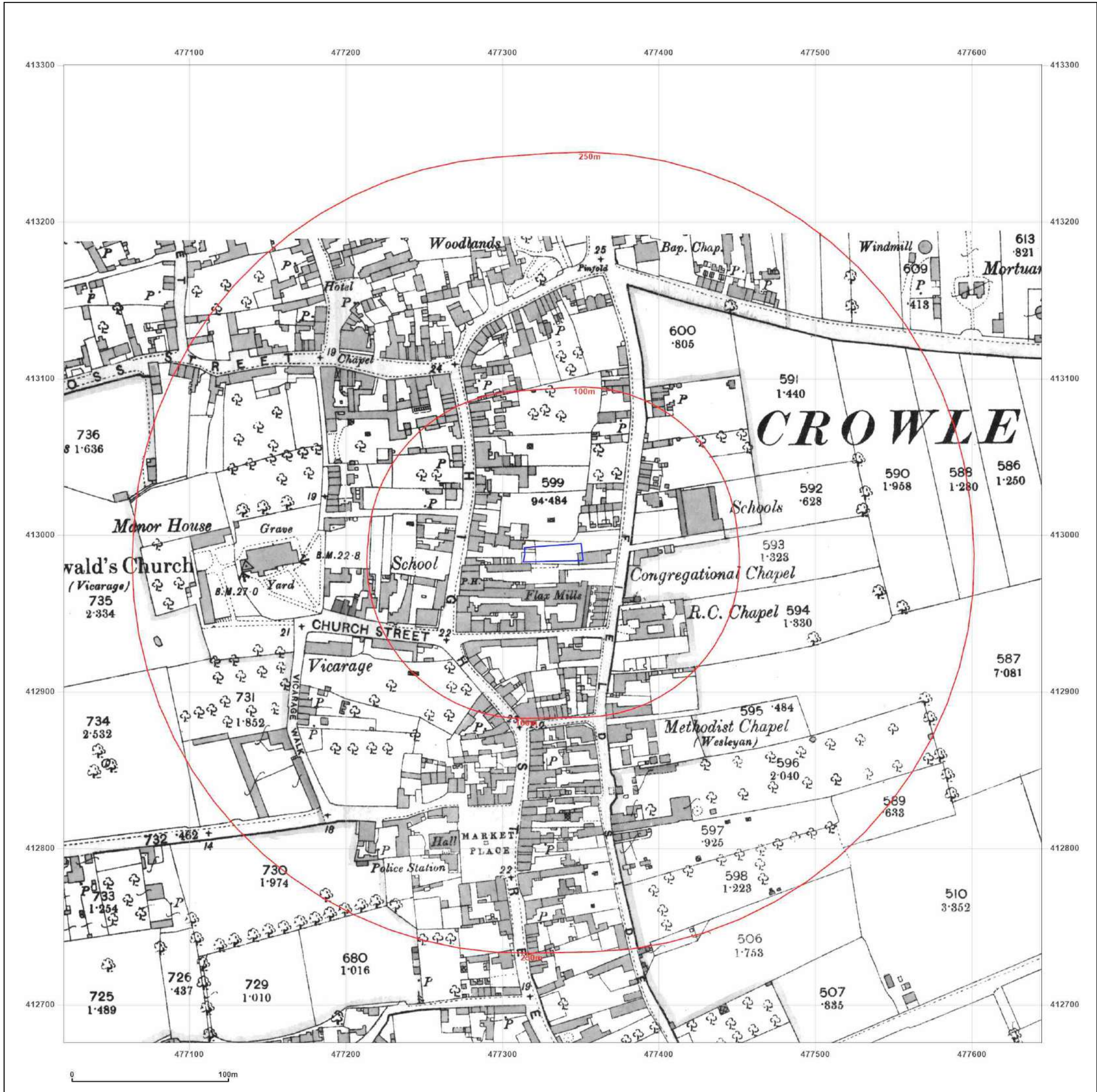


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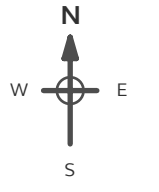
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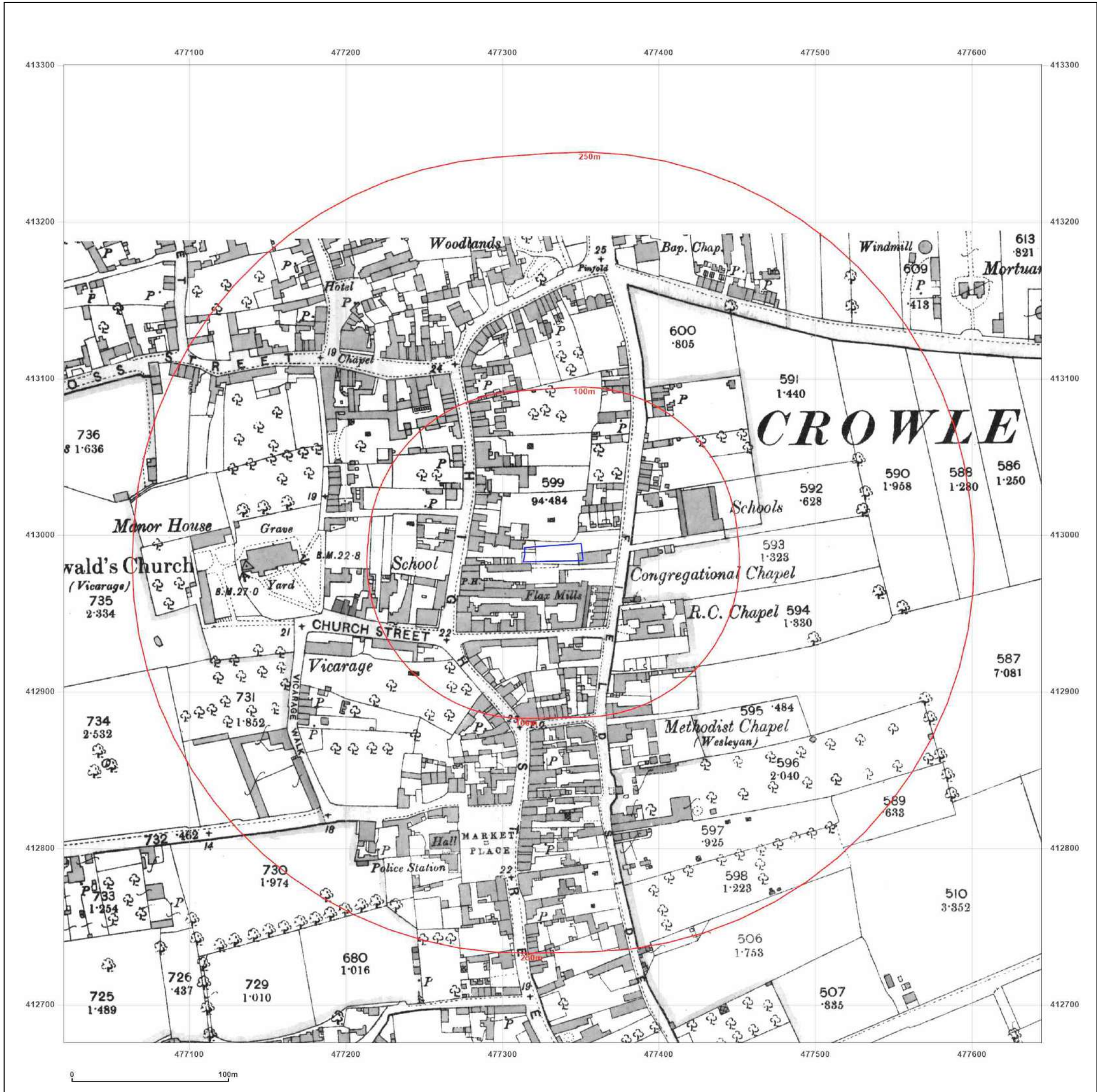


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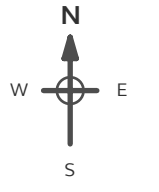
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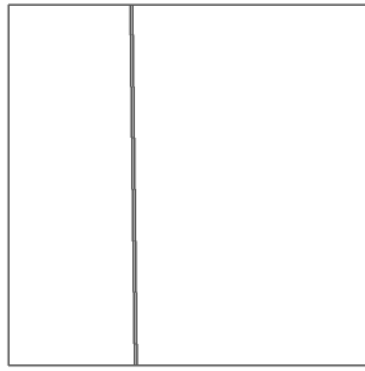


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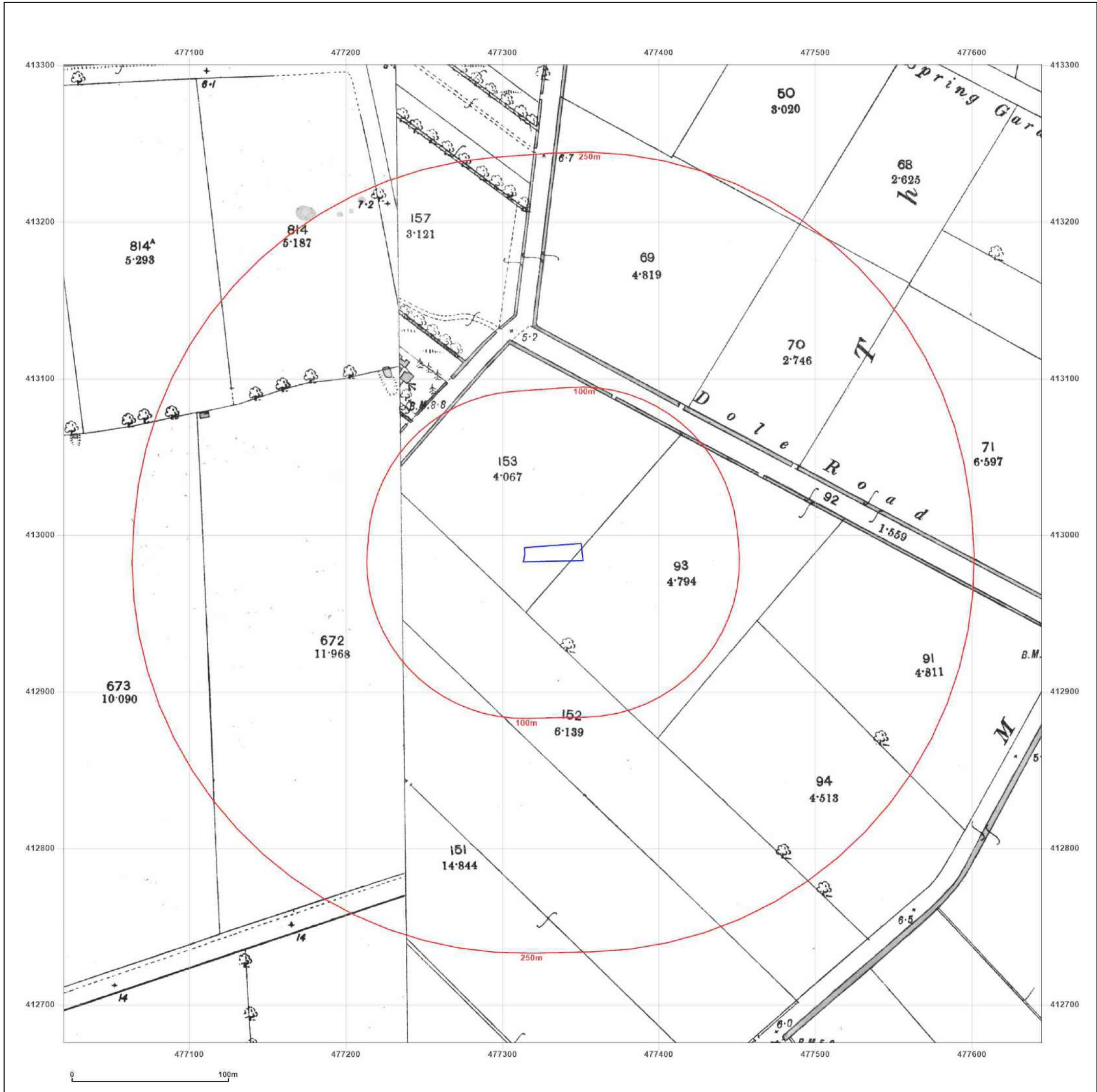
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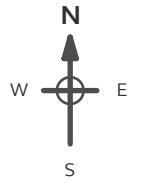
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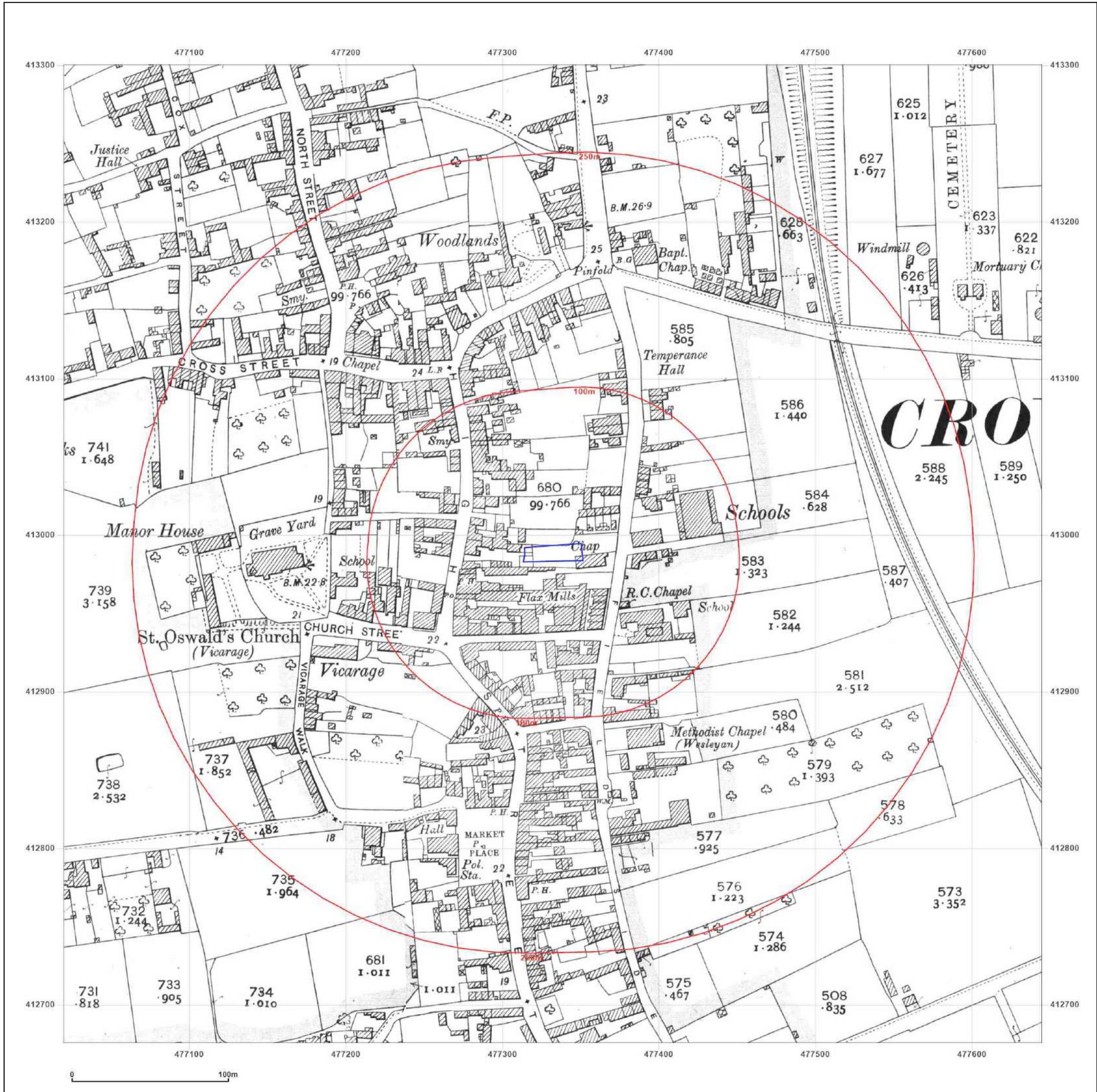
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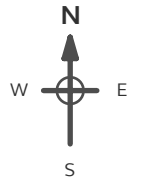
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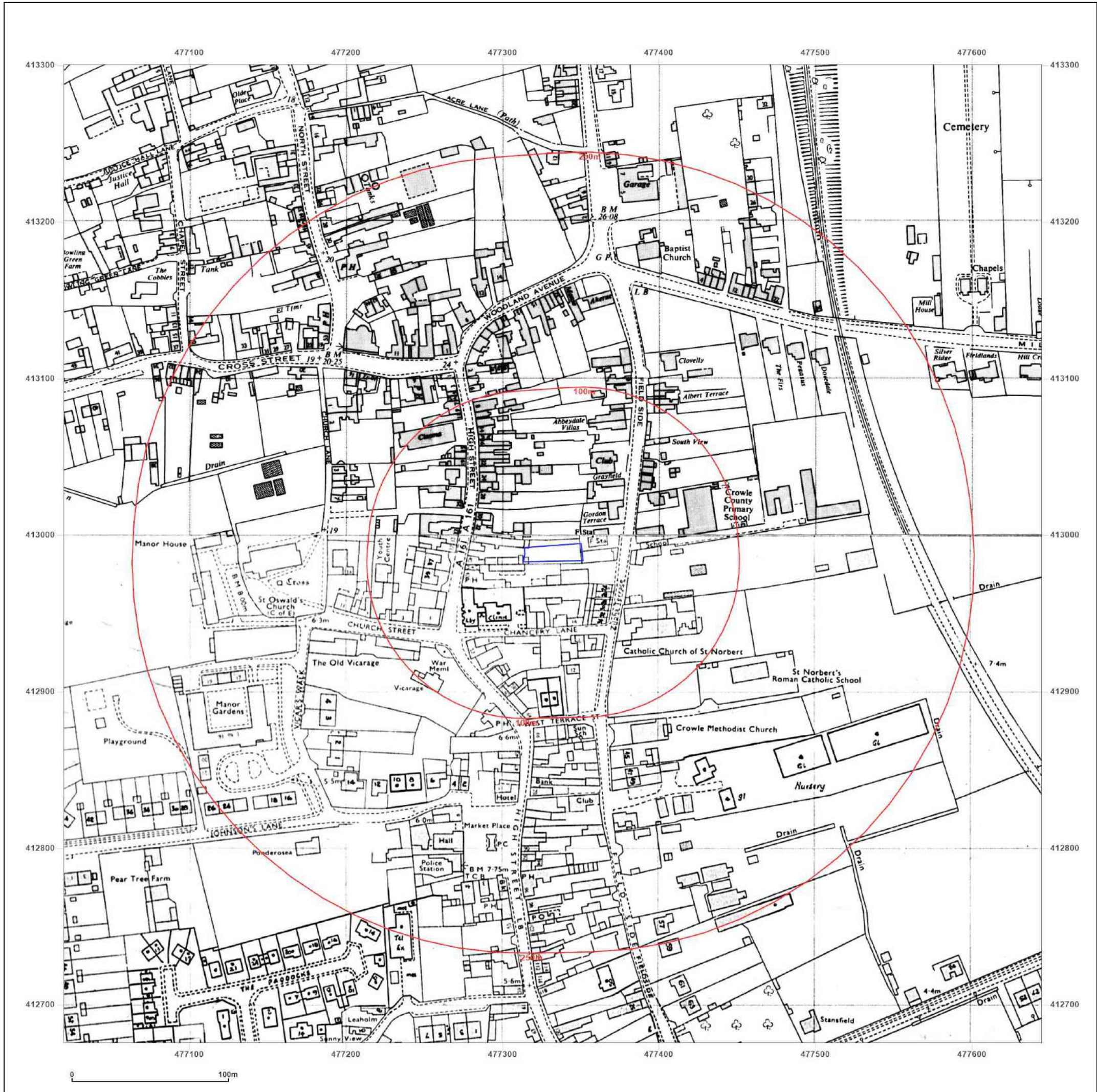
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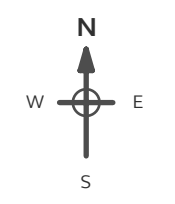
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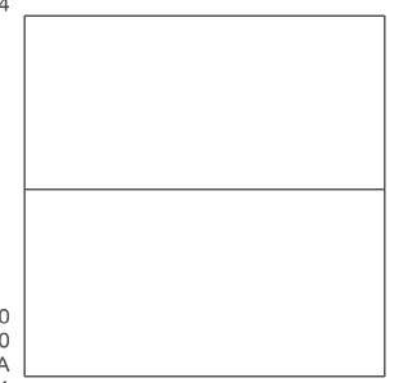
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**Scale:** 1:2,500

**Printed at:** 1:2,500



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 Edition N/A  
 Copyright 1969  
 Levelled 1964



Surveyed 1970  
 Revised 1970  
 Edition N/A  
 Copyright 1971  
 Levelled 1968

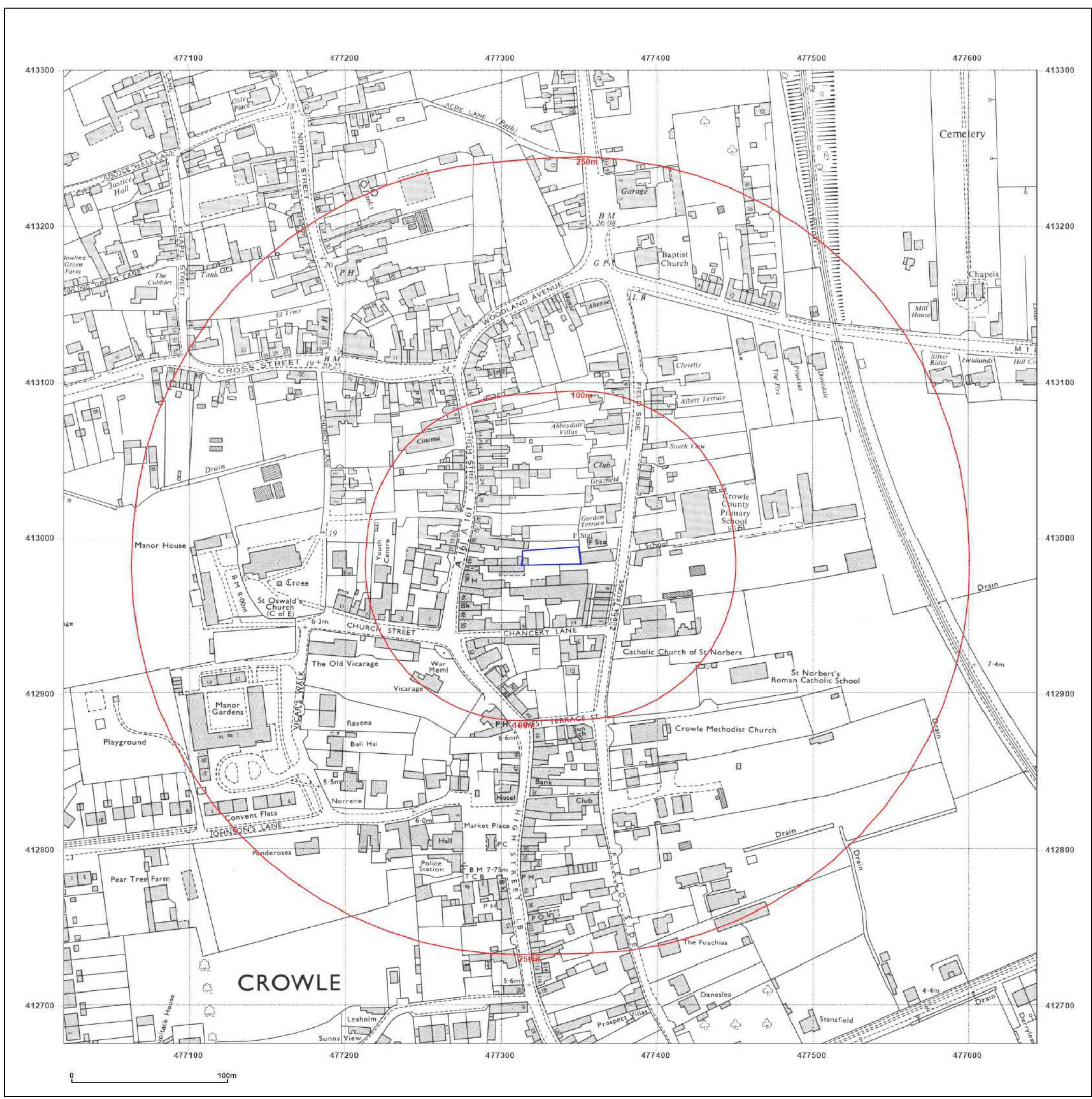


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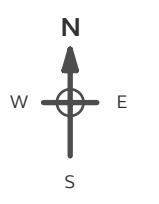
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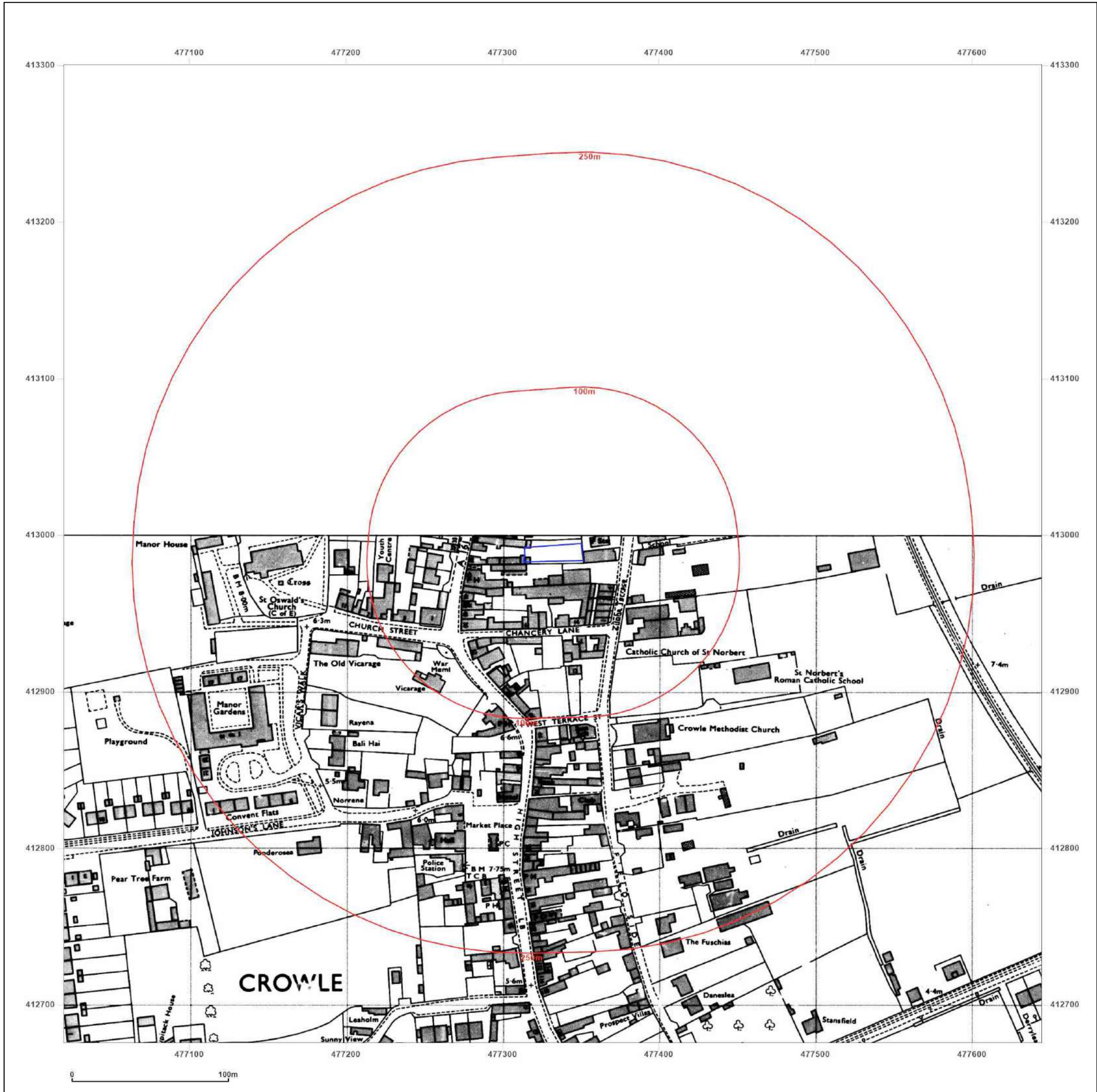
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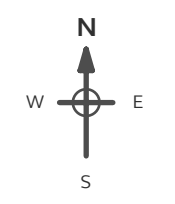
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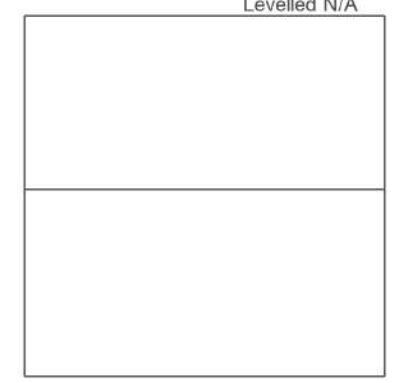
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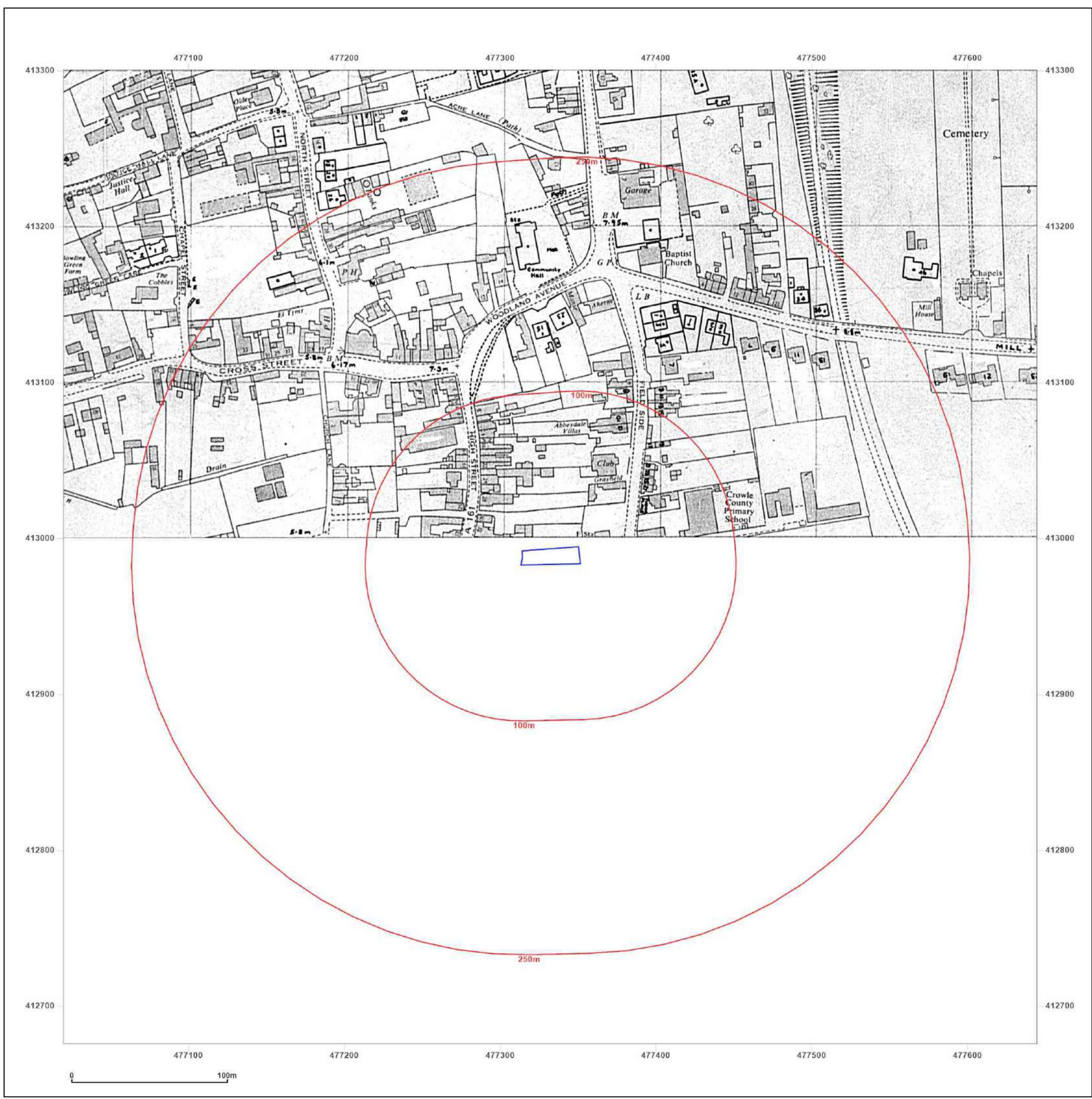


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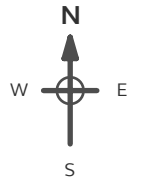
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 Edition N/A  
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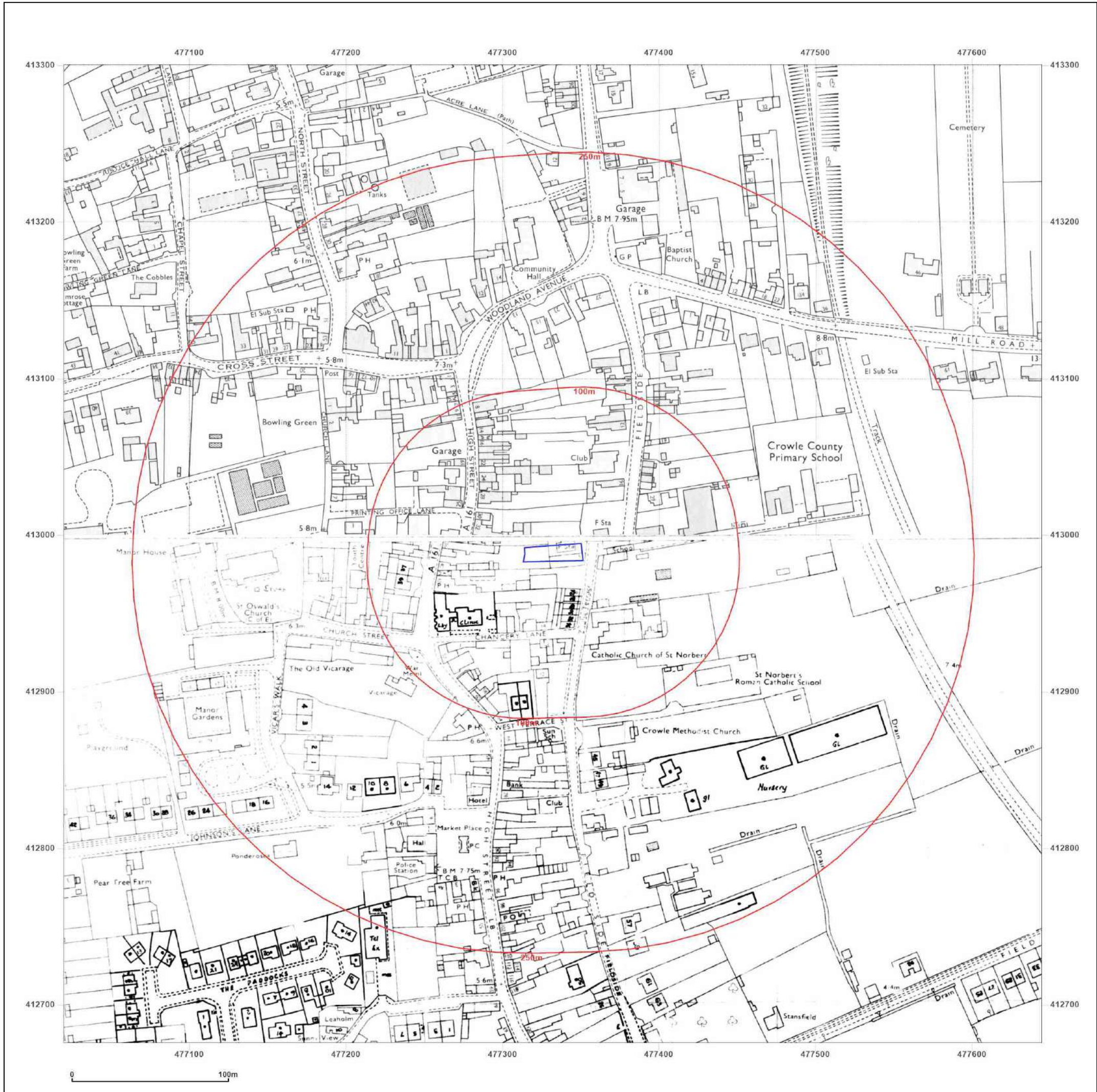
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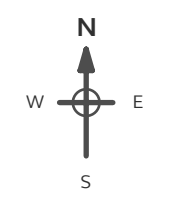
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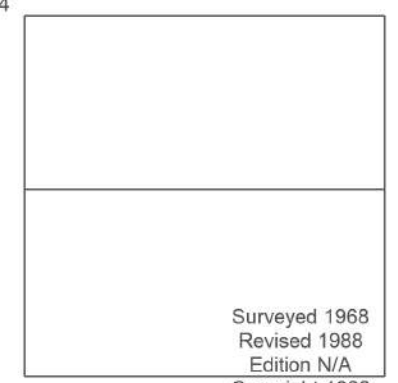
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Copyright 1985  
Levelled 1964



Surveyed 1968  
Revised 1988  
Edition N/A  
Copyright 1988  
Levelled 1968

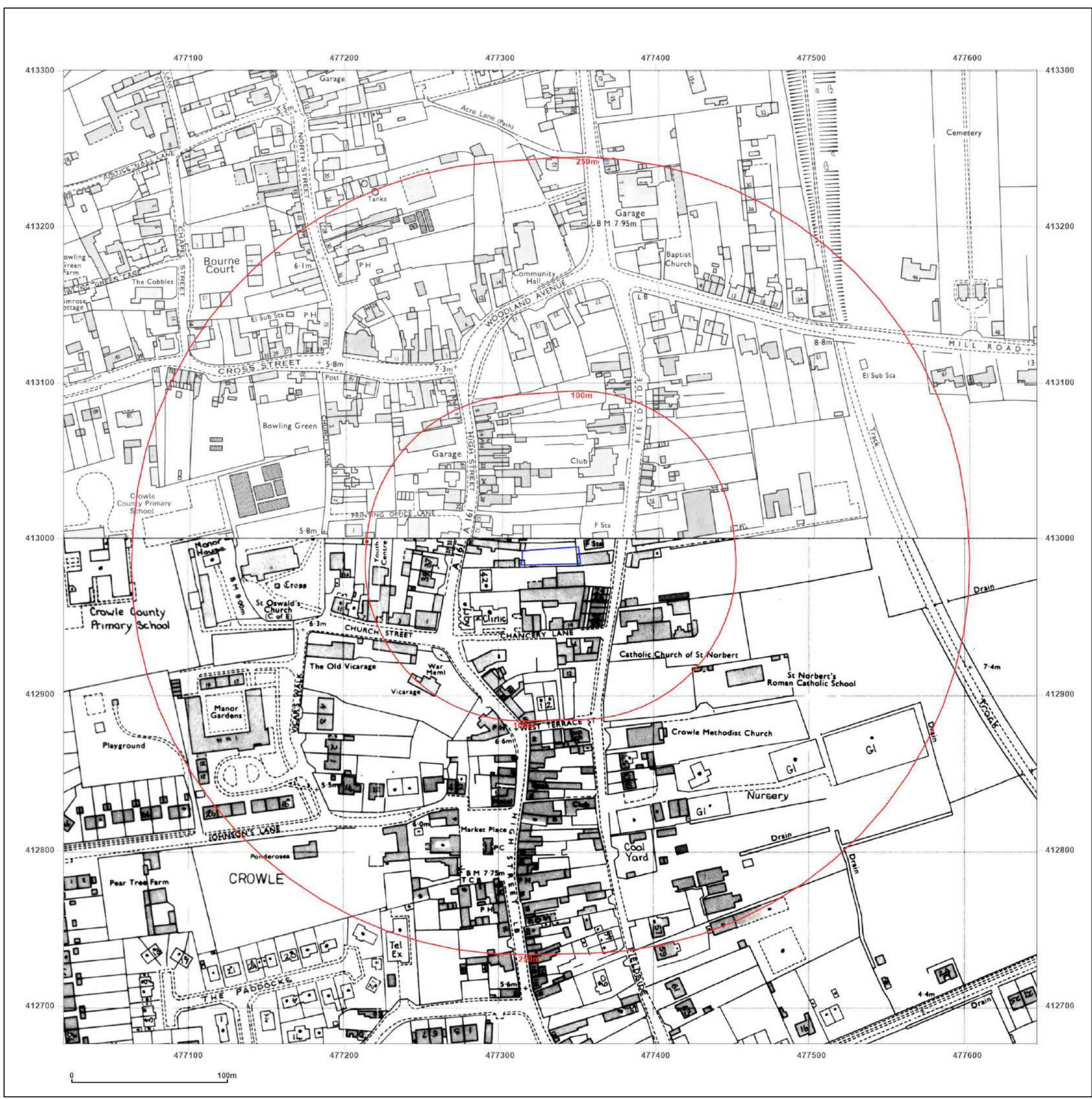


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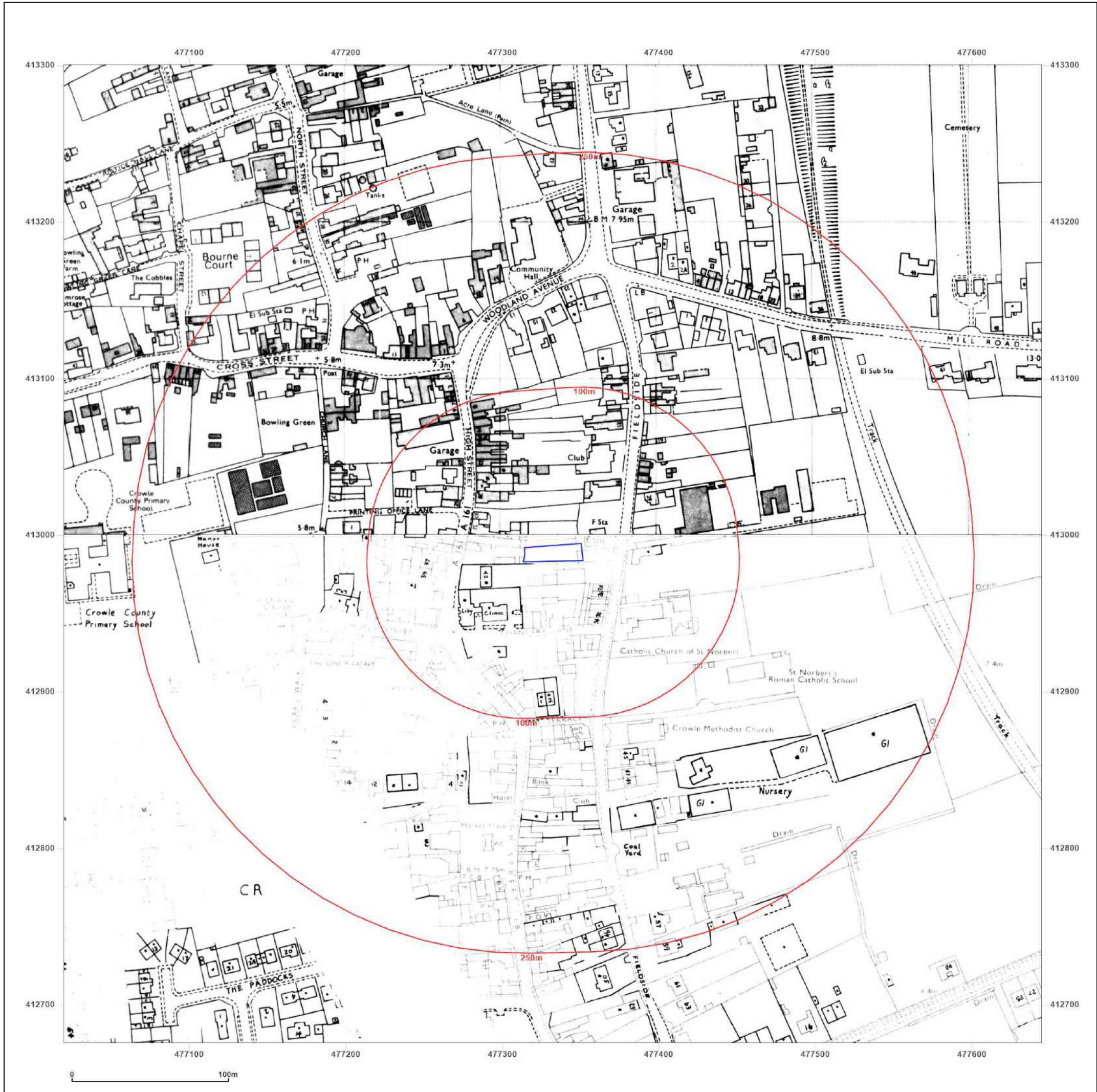
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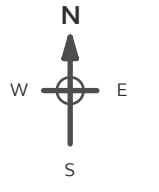


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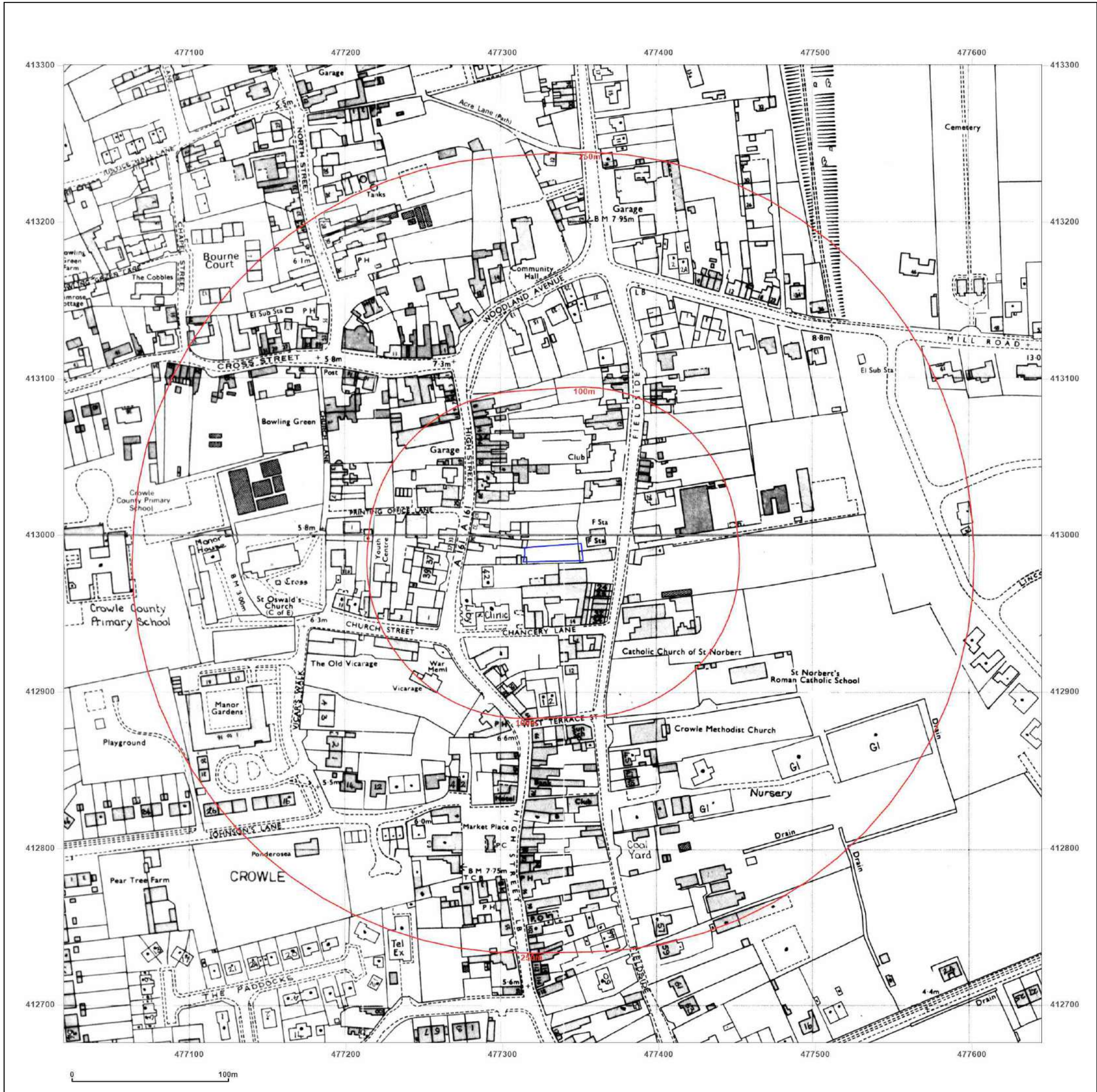


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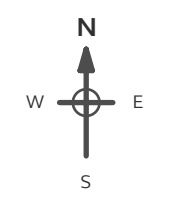
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**Map date:** 1993

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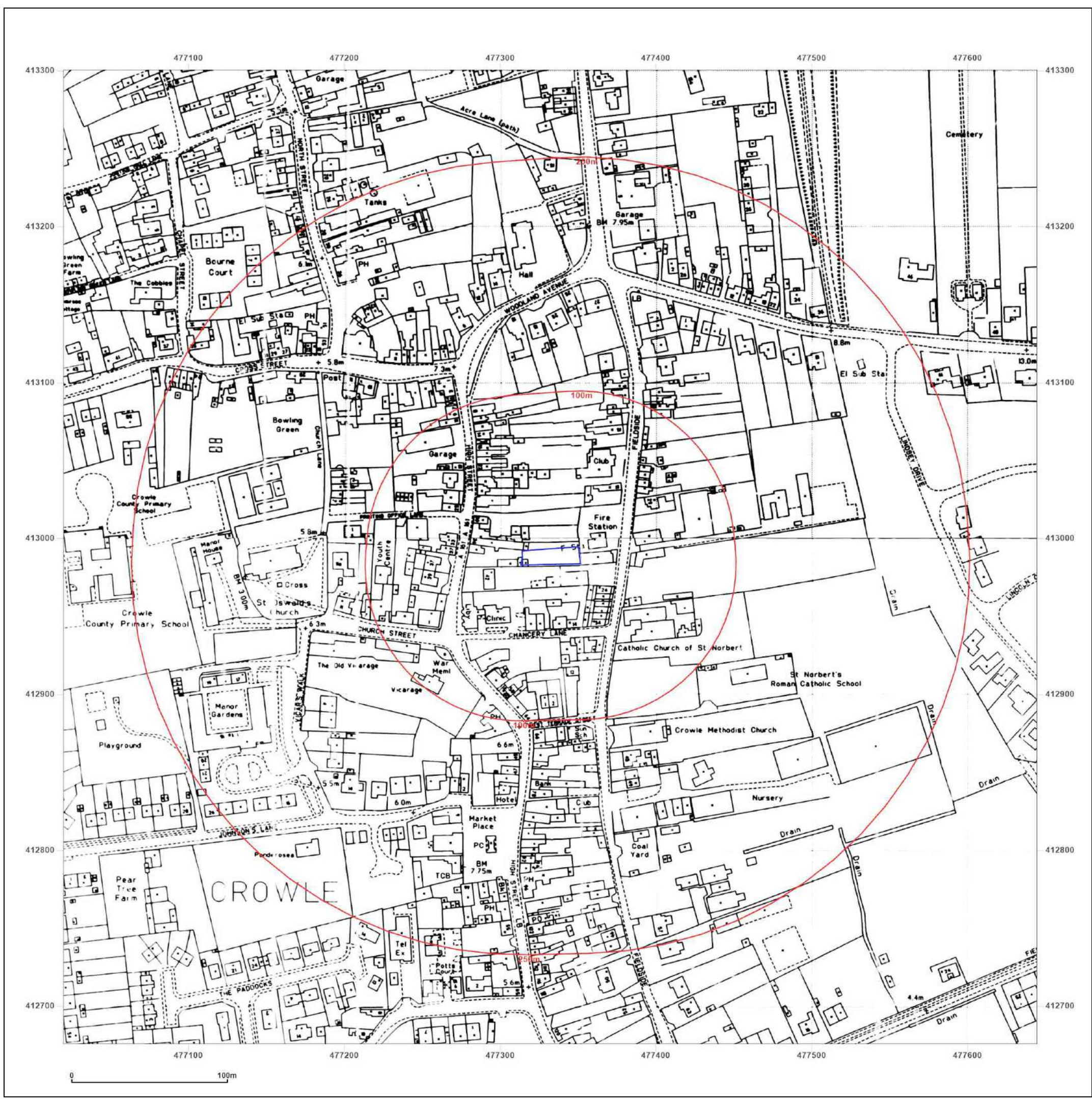


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 Edition N/A  
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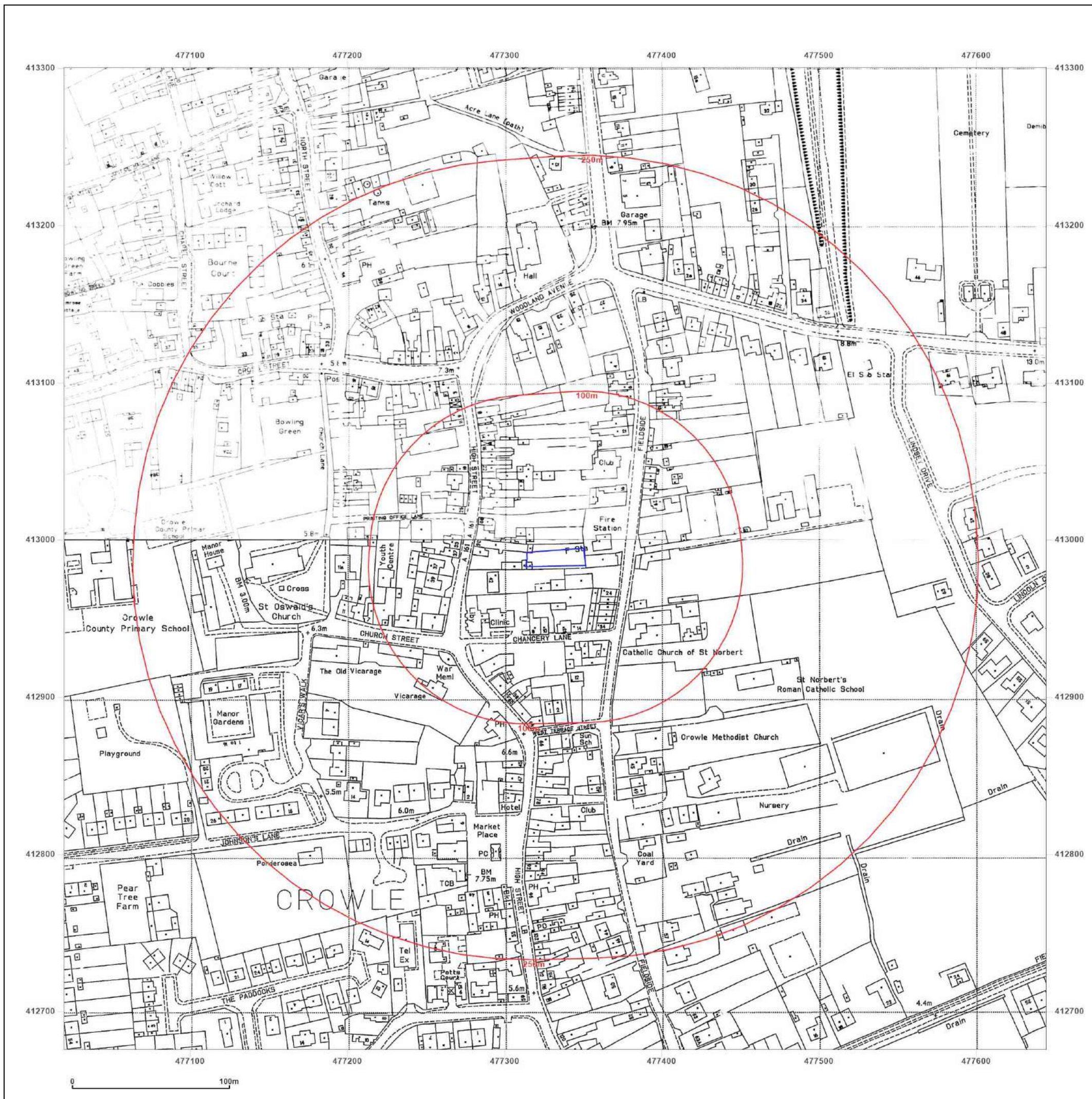


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 Edition N/A  
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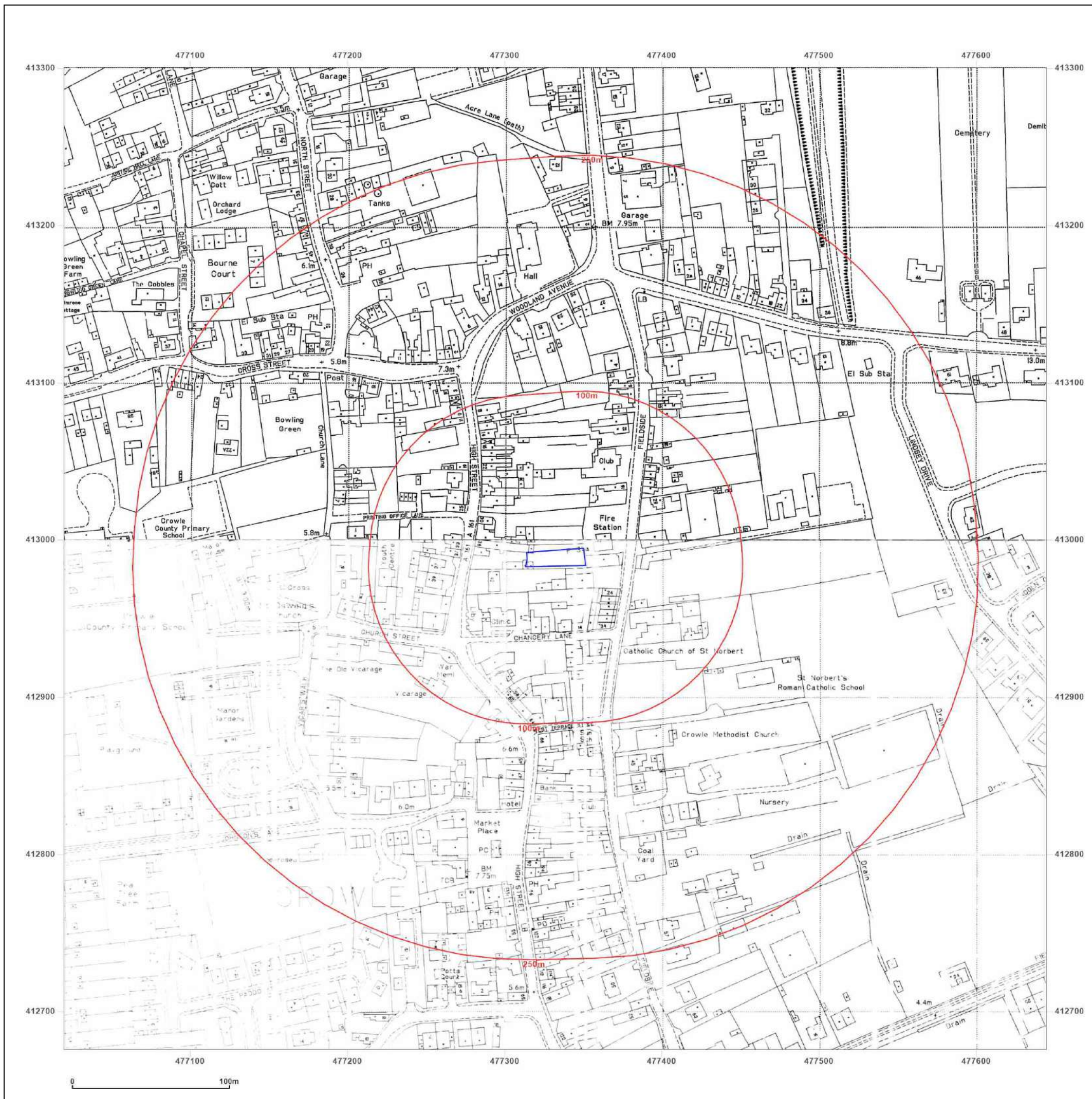


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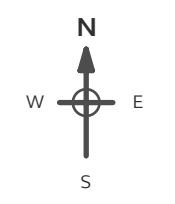
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Revised N/A  
Edition N/A  
Copyright 1995  
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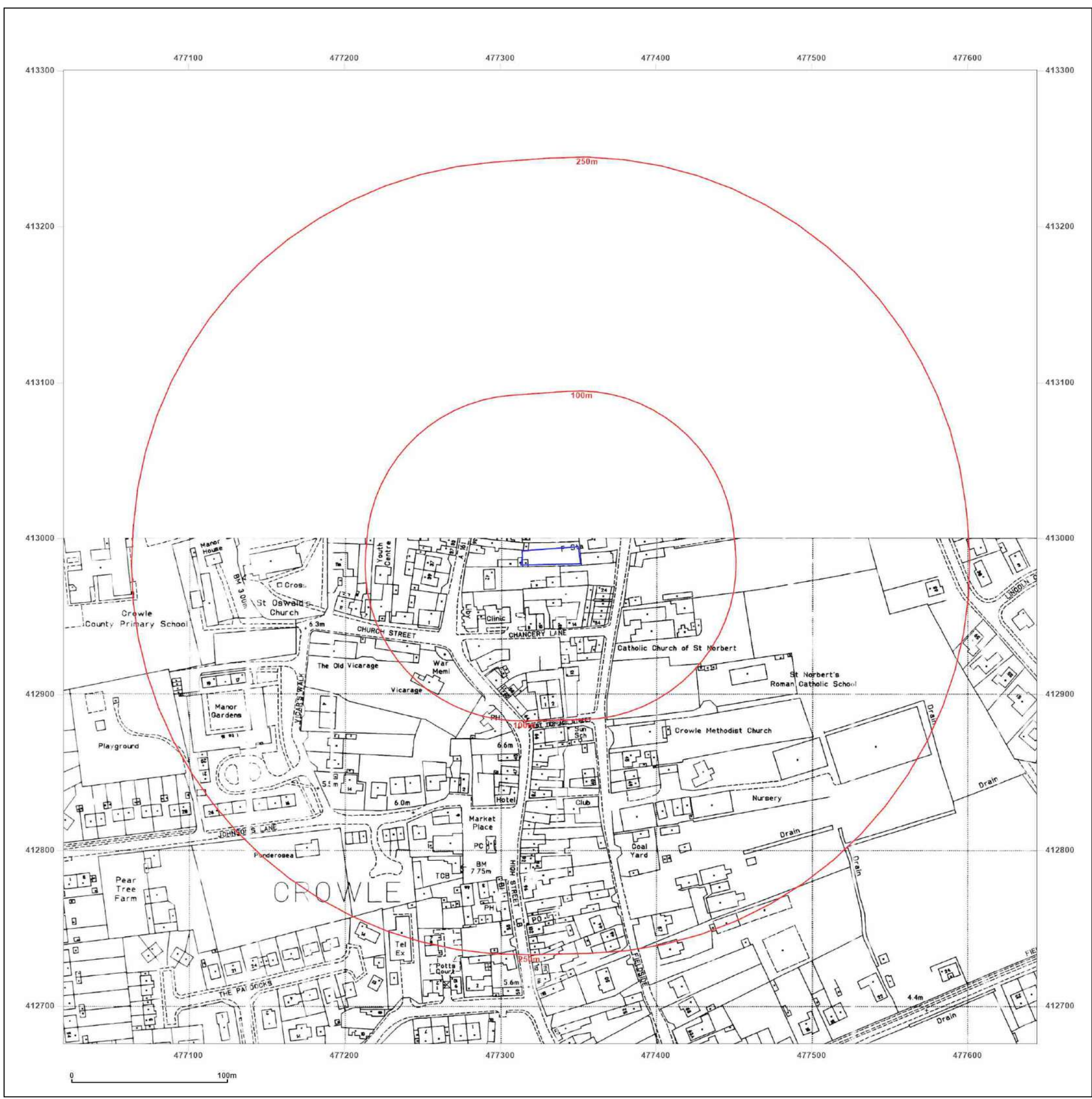


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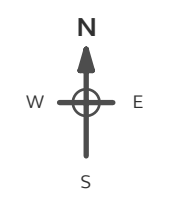
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Revised N/A  
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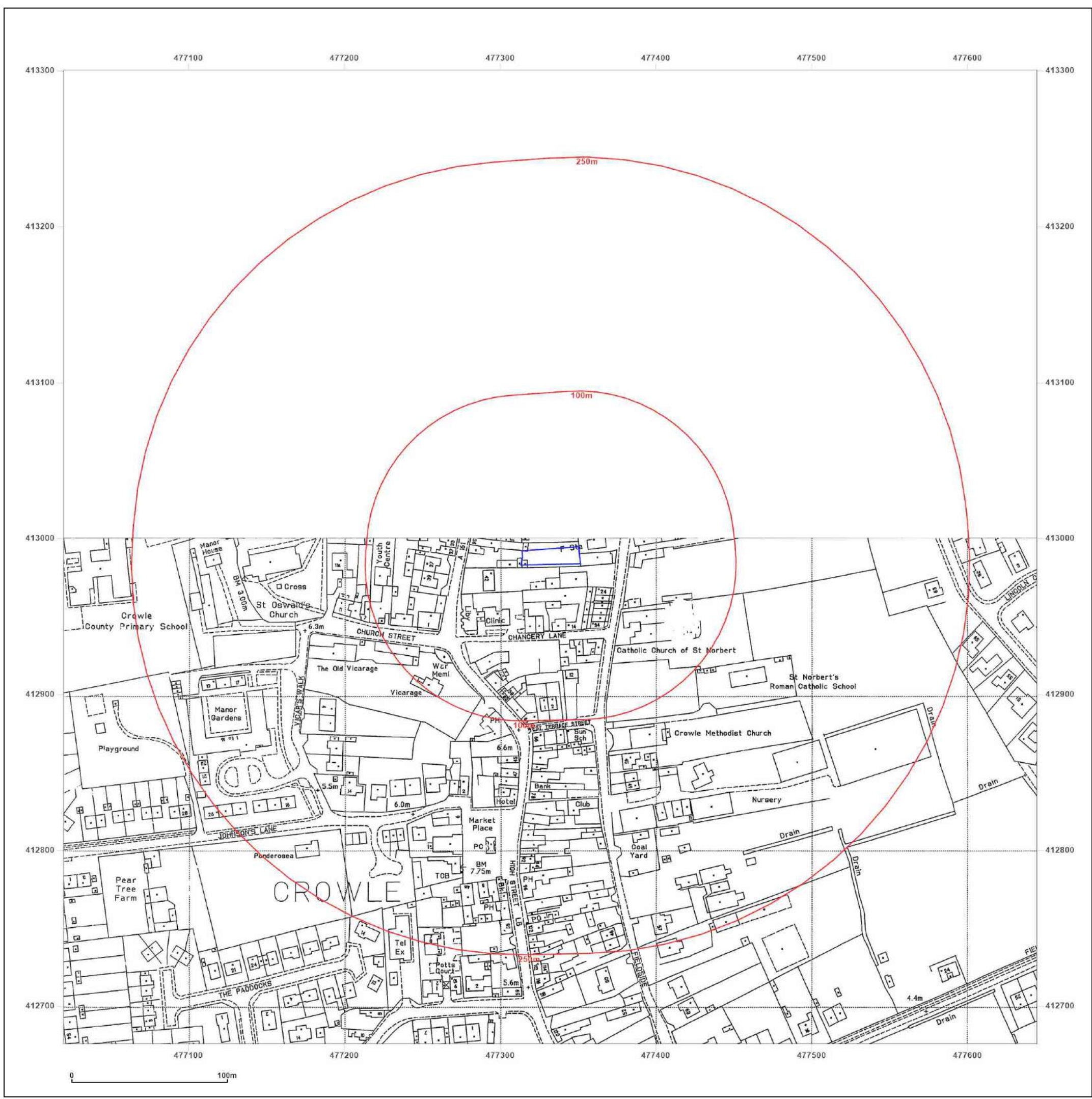


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**Map Name:** LandLine

**Map date:** 2003

**Scale:** 1:1,250

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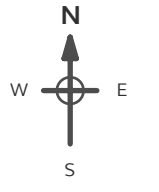
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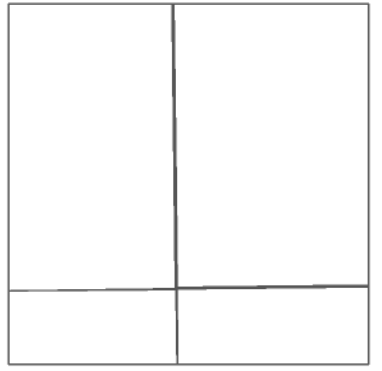
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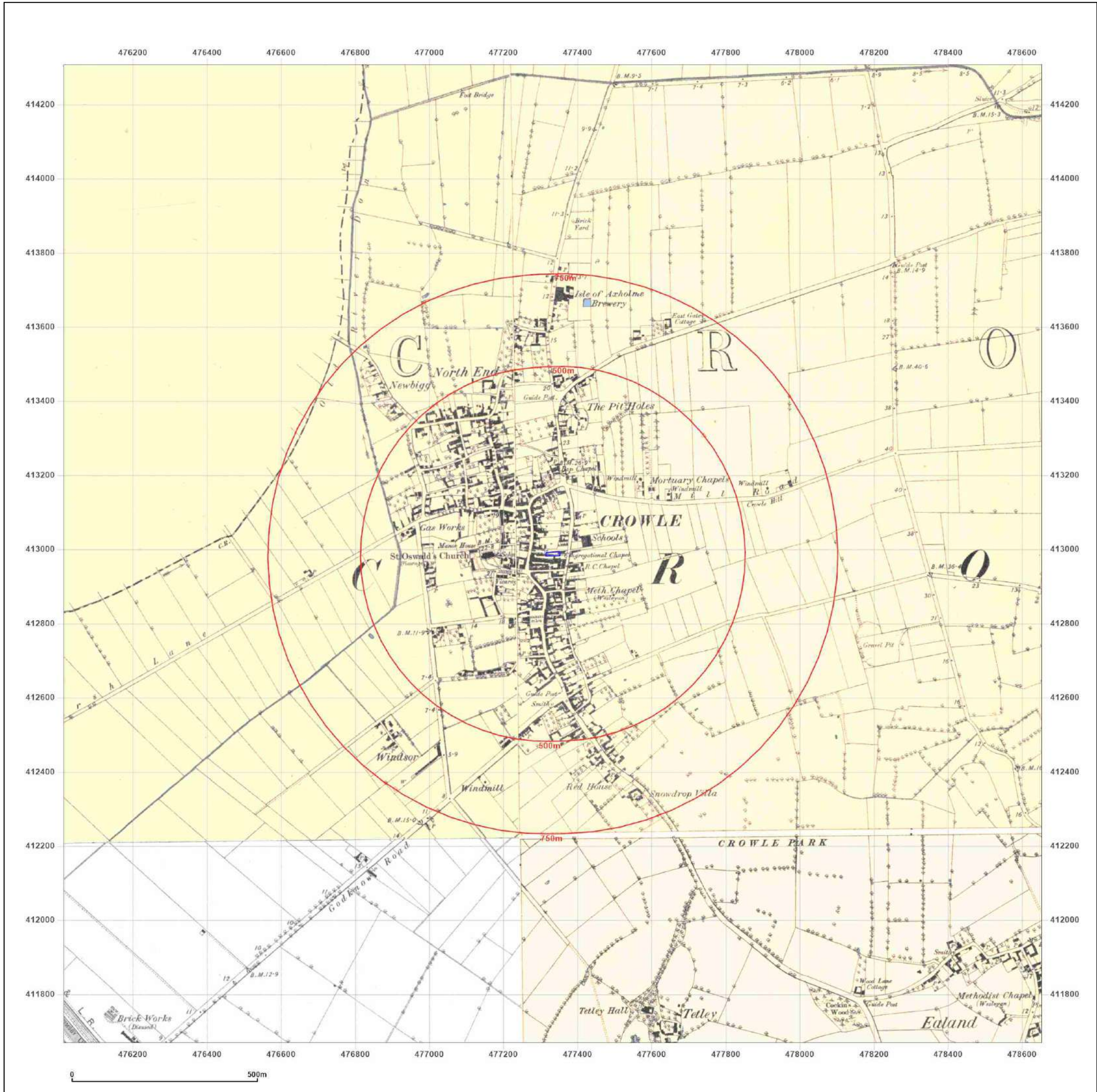


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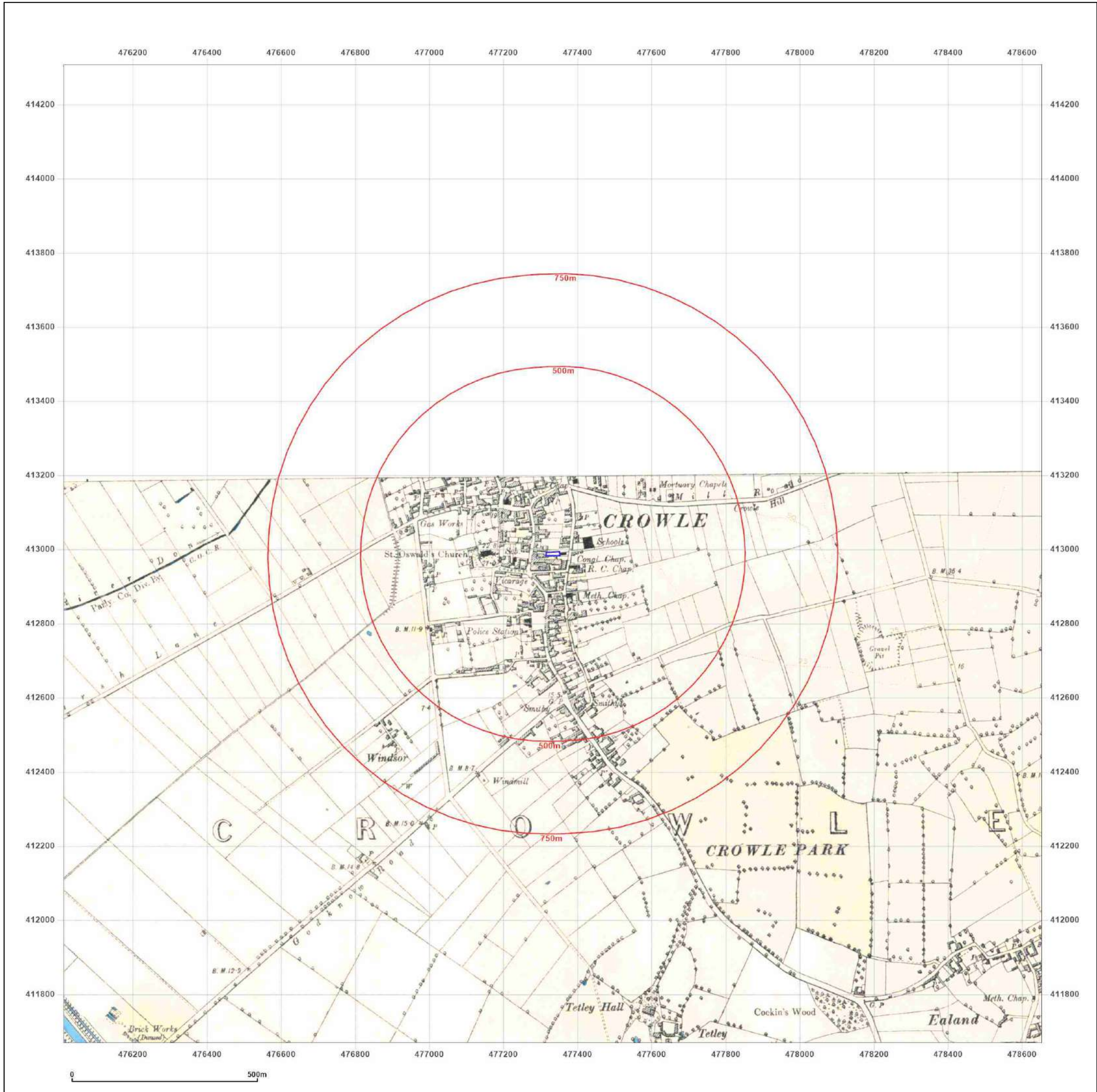
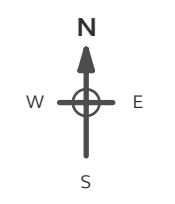
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**Map Name:** County Series

**Map date:** 1890

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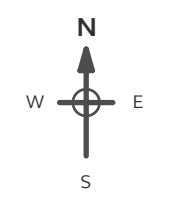
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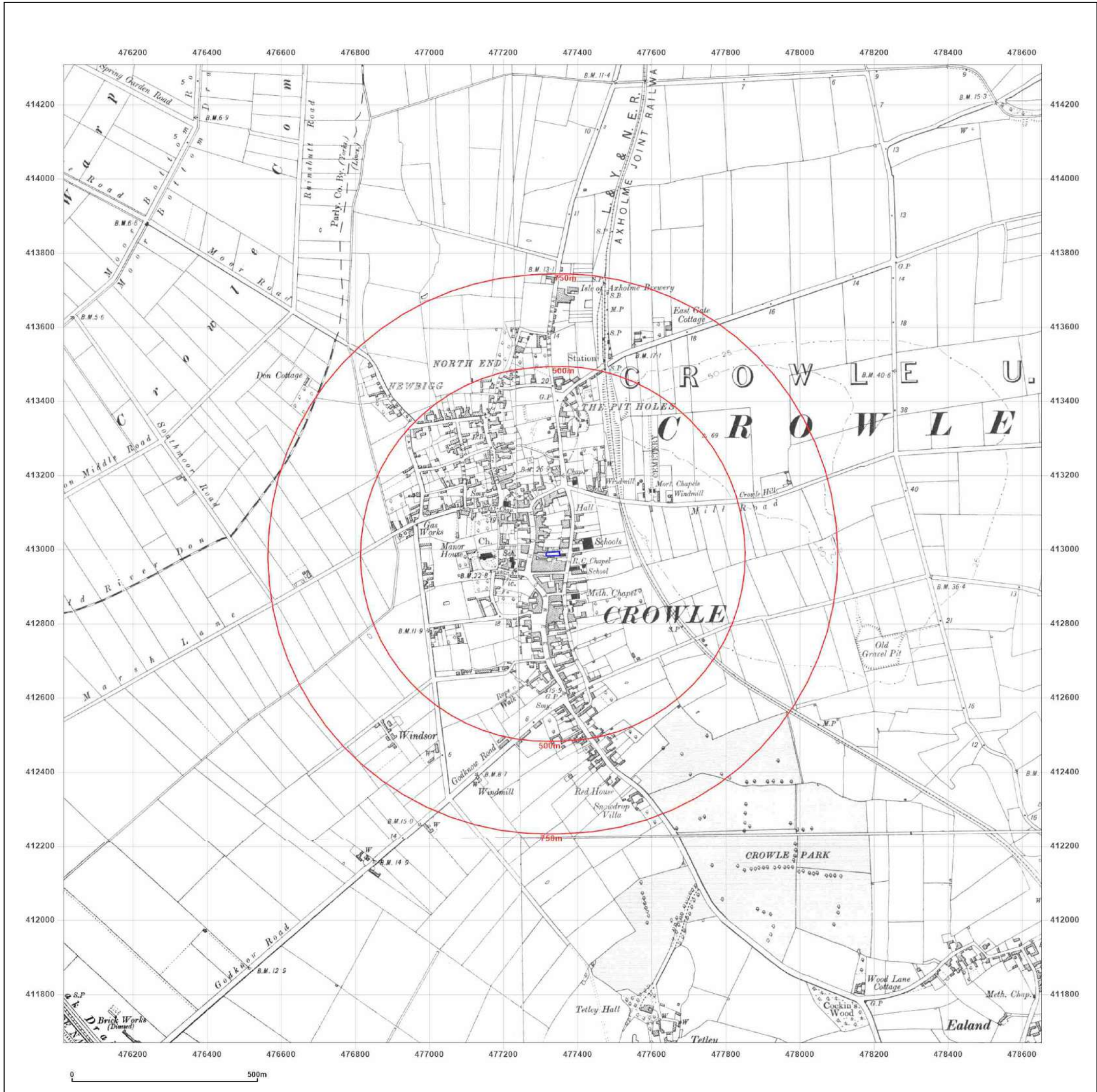


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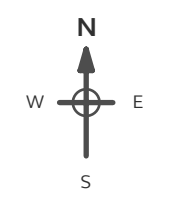
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SUNDAY SCHOOL, FIELDSIDE,  
CROWLE, NORTH  
LINCOLNSHIRE, DN17 4HL

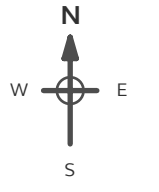
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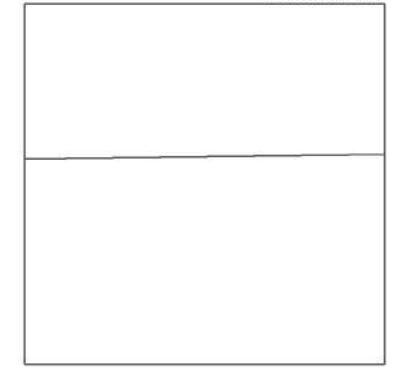
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Surveyed 1852  
Revised 1947  
Edition N/A  
Copyright N/A  
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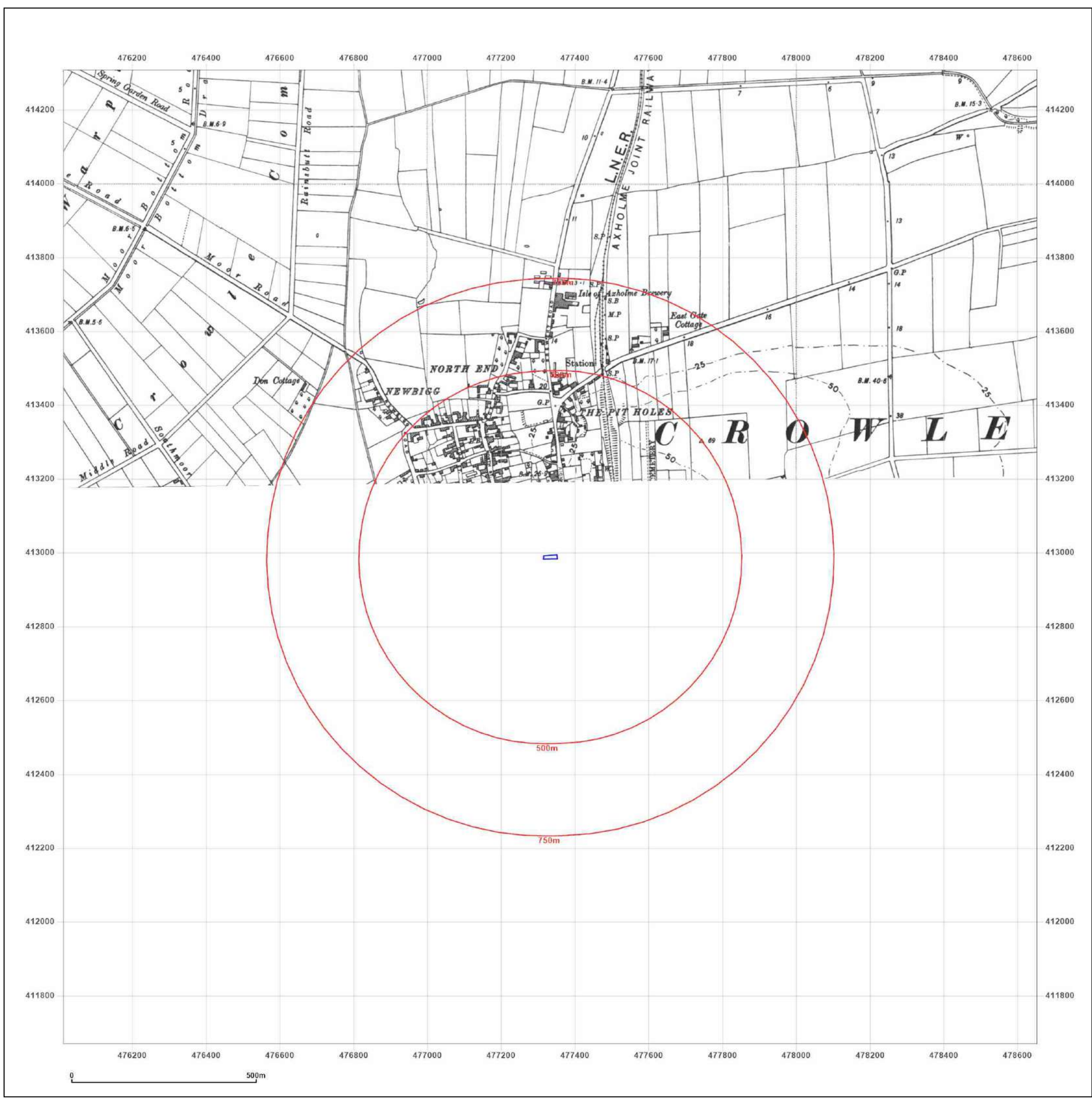


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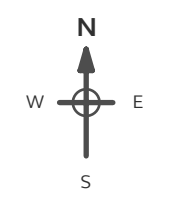
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<p>Surveyed 1885          Revised 1948          Edition 1948          Copyright N/A          Levelled N/A</p>	<p>Surveyed 1885          Revised 1946          Edition 1946          Copyright N/A          Levelled N/A</p>
<p>Surveyed 1885          Revised 1948          Edition N/A          Copyright N/A          Levelled N/A</p>	<p>Surveyed 1885          Revised 1948          Edition N/A          Copyright N/A          Levelled N/A</p>

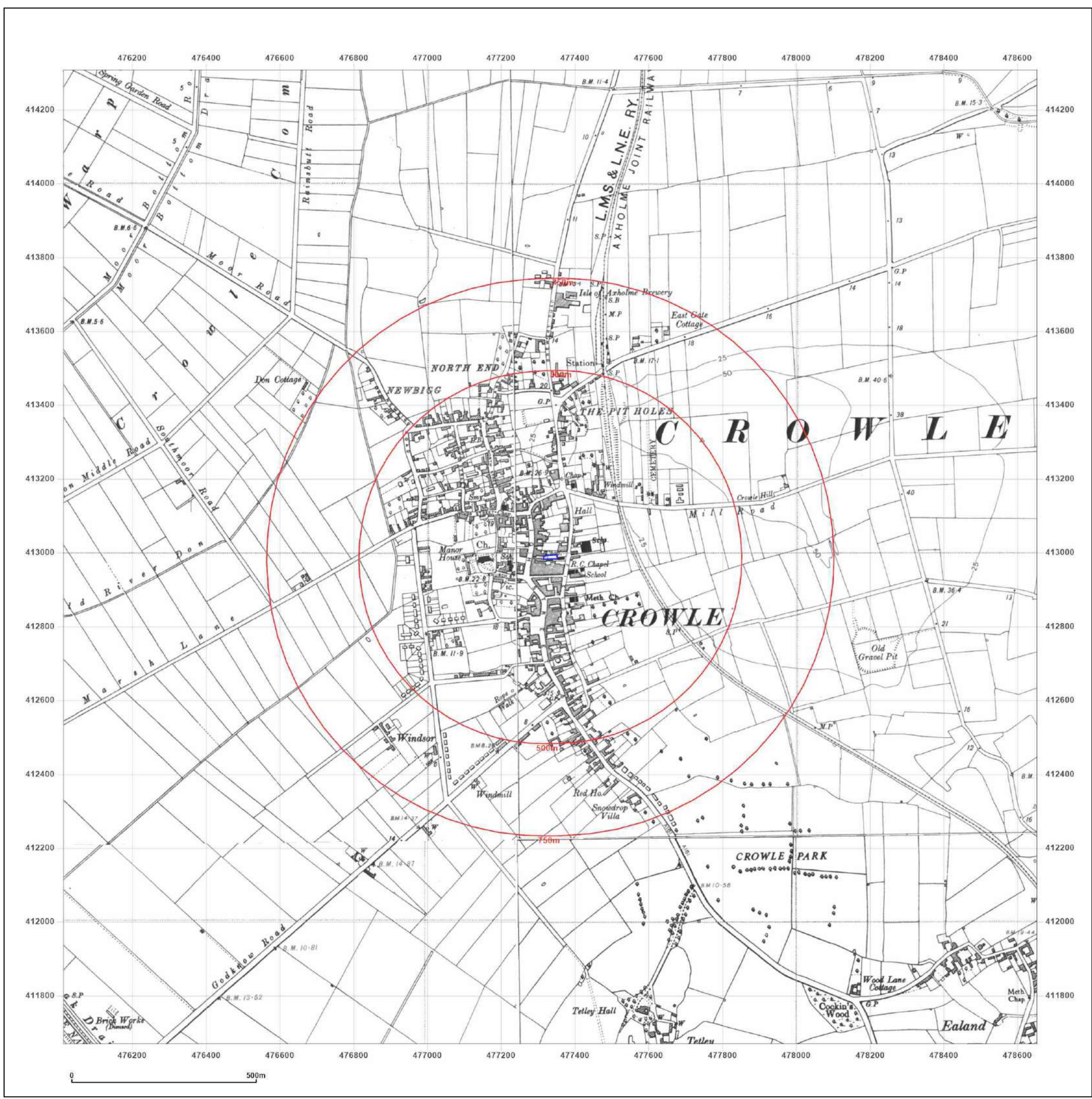


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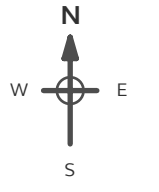




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Surveyed 1973  
 Revised 1973  
 Edition N/A  
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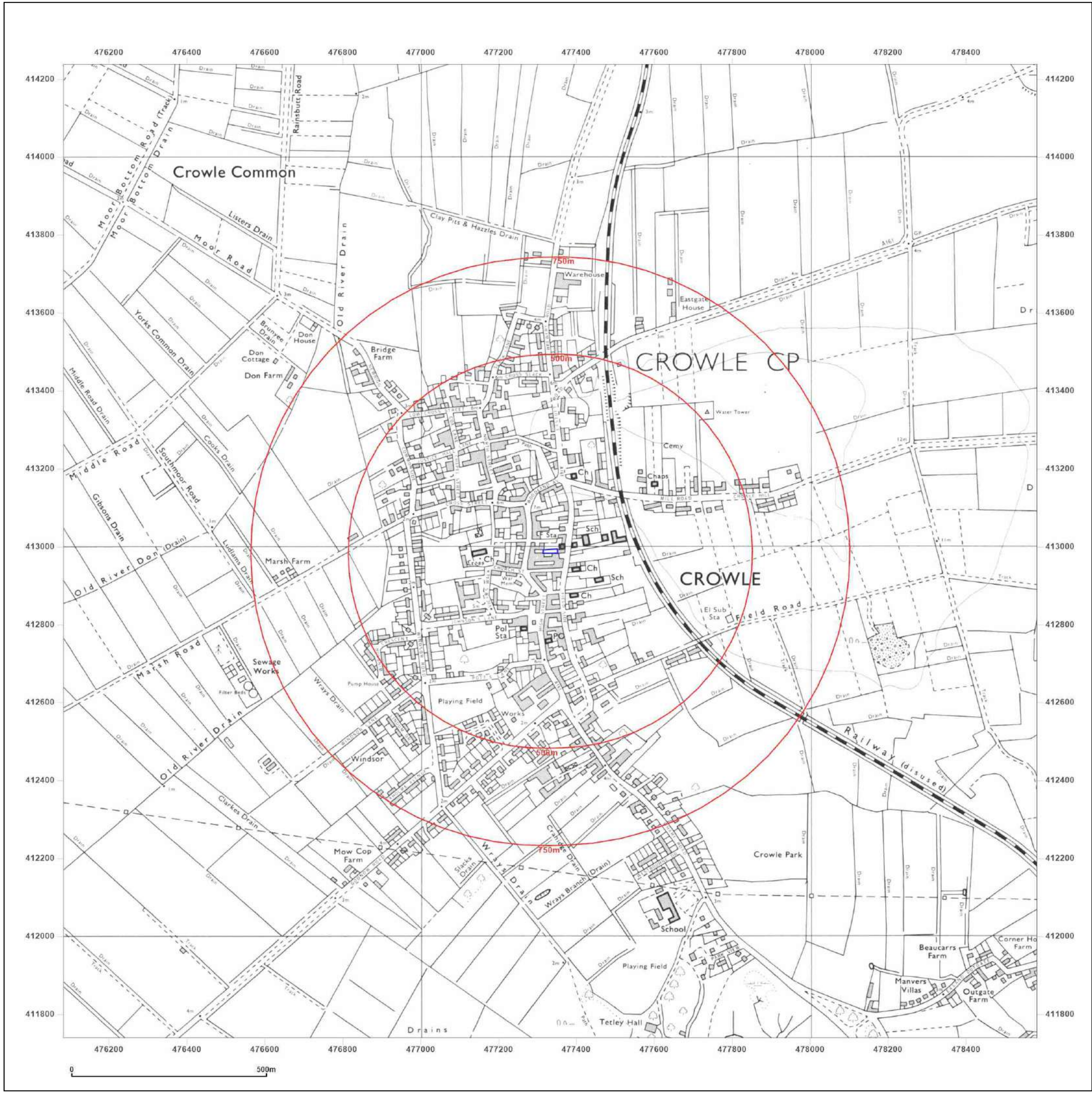
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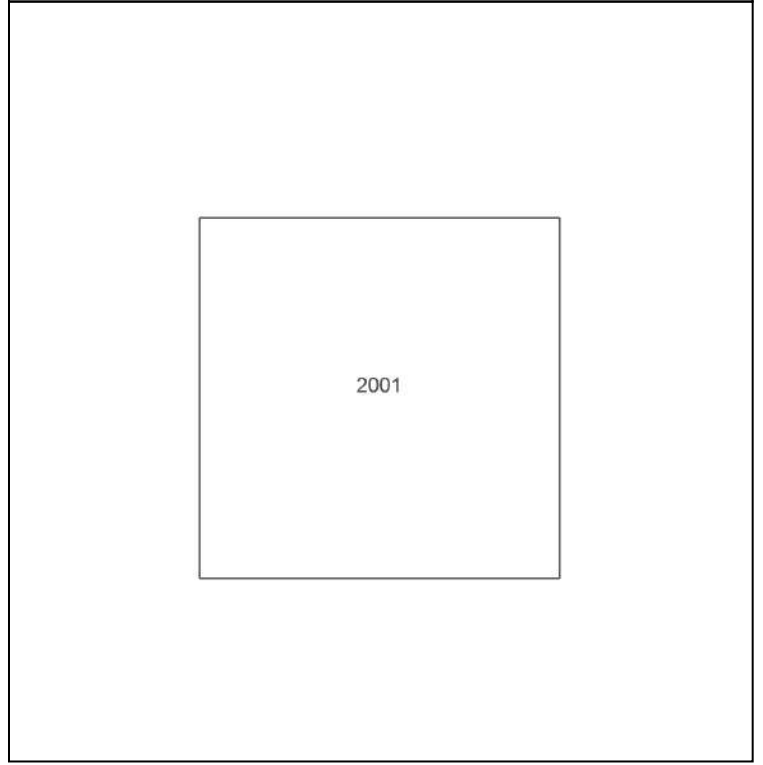
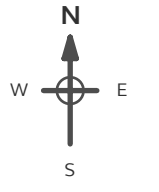
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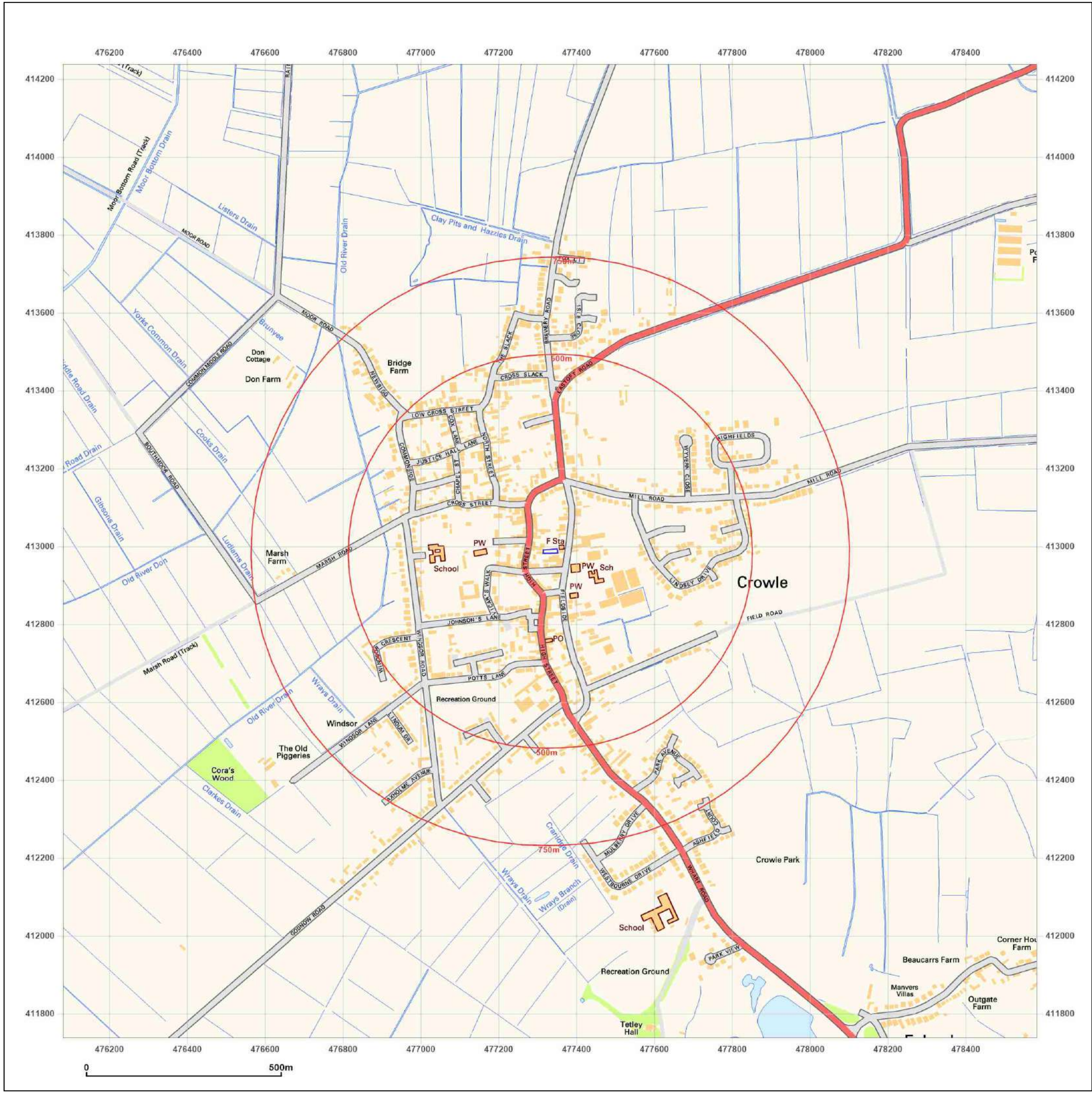


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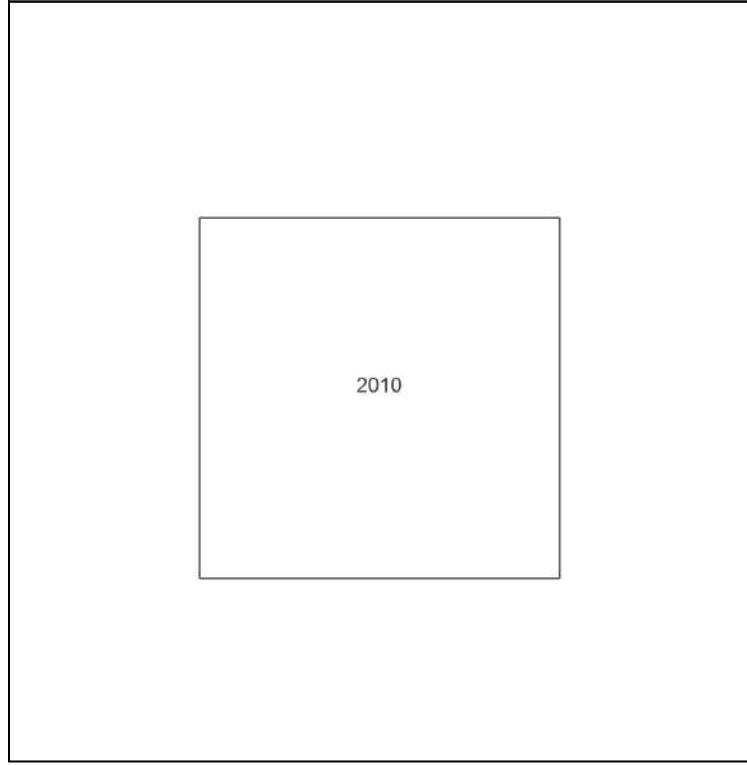
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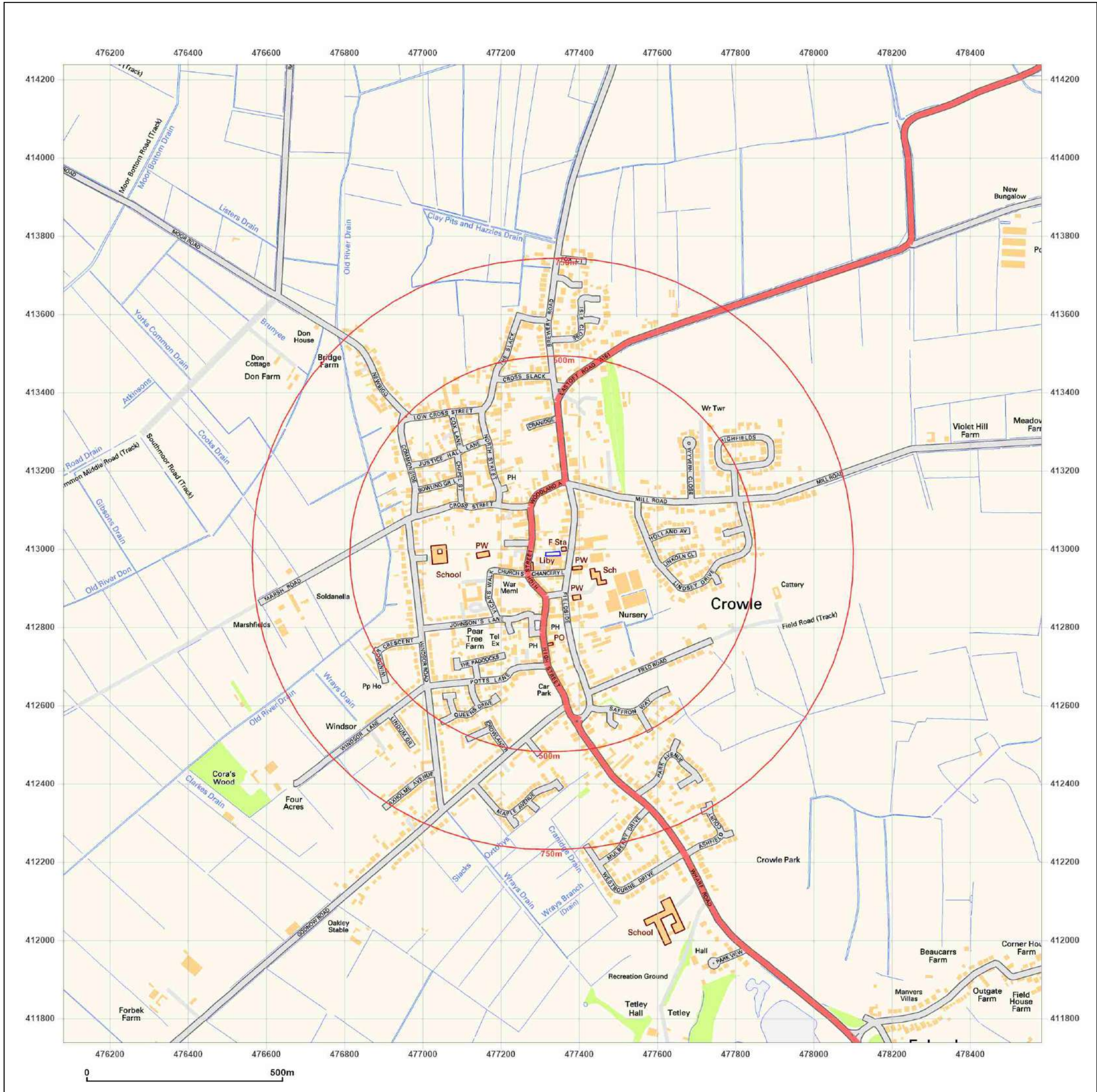


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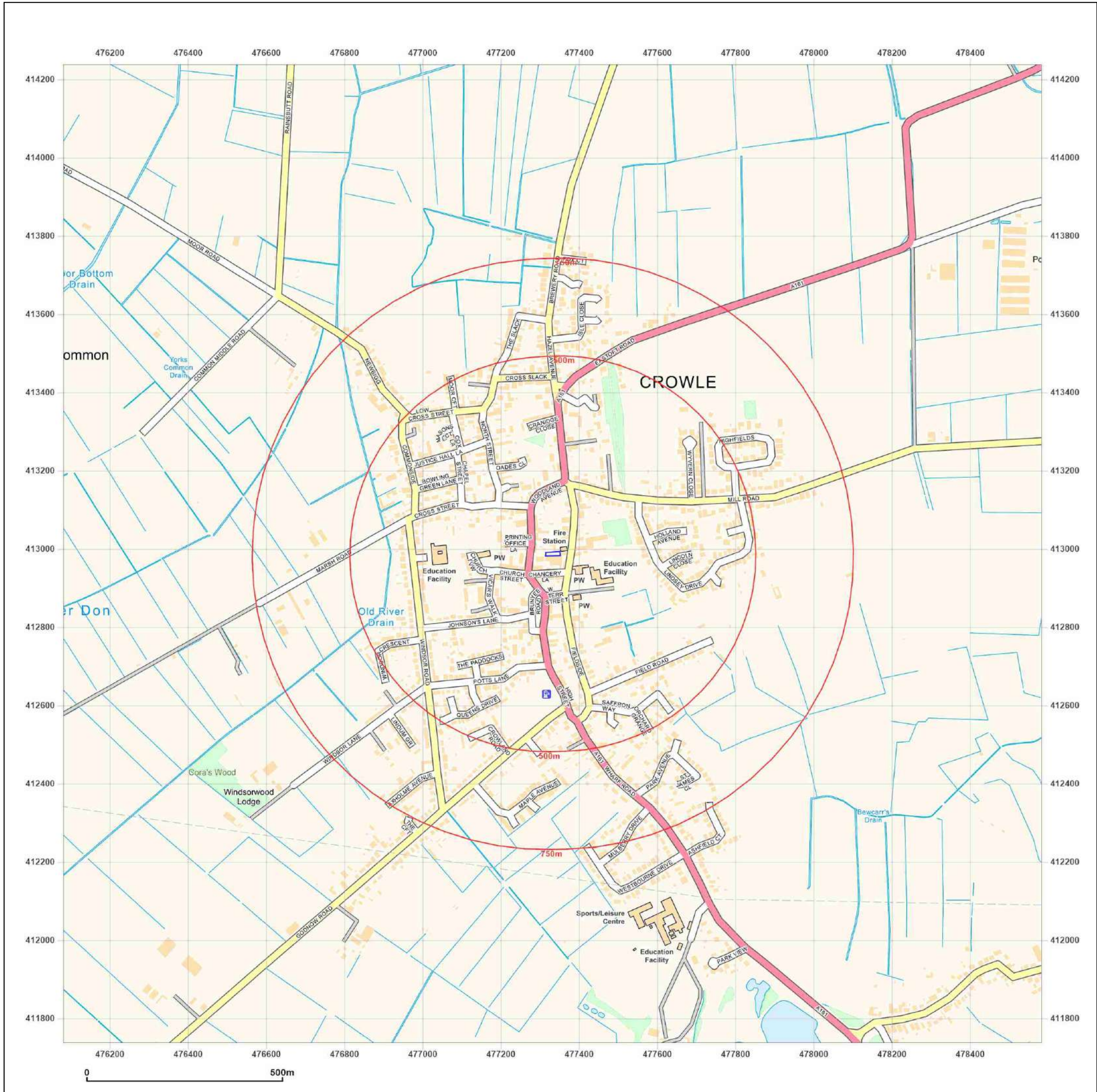
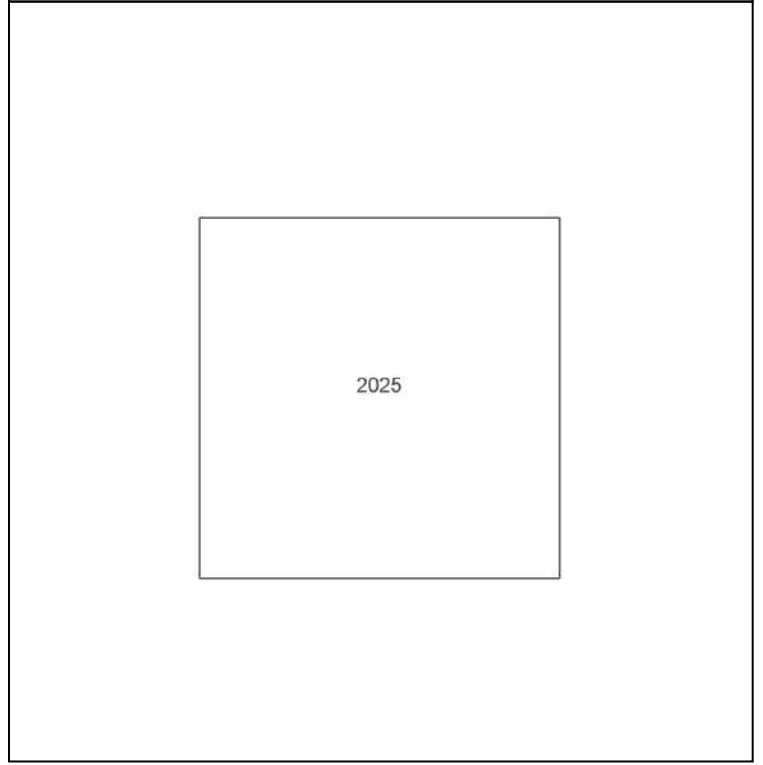
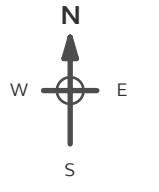
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**Grid Ref:** 477332, 412988

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# **APPENDIX C**

## PHOTOGRAPHS



**Project Number:** C722

**Project Name:** 40 High Street, Crowle

**Client:** Mr Simon Chapman

**Document Name:** Site Walkover Photographs:  
Photo 1 – View across the site





## **APPENDIX D**

### **DEFINITIONS AND CLASSIFICATIONS OF RISK ASSESSMENT TERMINOLOGY**

## Definitions and Classifications of Risk Assessment Terminology.

### Probability

Probability can be defined as the chance of a particular event occurring in a given period of time.

Descriptions of each of the four qualitative terms to be used in this report to describe the perceived probability of any identified pollutant linkage becoming realised are shown below in Table W.

Term	Description
<b>High Likelihood</b>	There is pollutant linkage and an event would appear very likely in the short-term and almost inevitable over the long-term, or there is evidence at the receptor of harm or pollution.
<b>Likely</b>	There is pollutant linkage and all the elements are present and in the right place which means that it is probable that an event will occur. Circumstances are such that an event is not inevitable, but possible in the short-term and likely over the long-term.
<b>Low Likelihood</b>	There is pollutant linkage and circumstances are possible under which an event could occur. However, it is by no means certain that even over a long period such an event would take place, and is less likely in the shorter term.
<b>Unlikely</b>	There is pollutant linkage but circumstances are such that it is improbable that an event would occur even in the very long-term.

**Table W.** Description of Probability Classifications

## Severity

Severity (consequence) can be defined as the adverse effects (or harm) arising from a defined hazard, which impairs the quality of human health or the environment in the short or longer term.

Descriptions of each of the four qualitative terms to be used in this report to describe the perceived potential severity of any identified pollutant linkage becoming realised are shown below in Table X.

Term	Description
<b>Severe</b>	<p>Highly elevated concentrations <b>likely</b> to result in "significant harm" to human health as defined by the EPA 1990, Part 2A, if exposure occurs.</p> <p>Equivalent to <b>EA Category 1</b> pollution incident including persistent and/or extensive effects on water quality; leading to closure of a potable abstraction point; major impact on amenity value or major damage to agriculture or commerce.</p> <p>Major damage to aquatic or other ecosystems, which is likely to result in a substantial adverse change in its functioning or harm to a species of special interest that endangers the long-term maintenance of the population.</p> <p>Catastrophic damage to crops, buildings or property.</p>
<b>Medium</b>	<p>Elevated concentrations which could result in "significant harm" to human health as defined by the EPA 1990, Part 2A if exposure occurs.</p> <p>Equivalent to <b>EA Category 2</b> pollution incident including significant effect on water quality; notification required to abstractors; reduction in amenity value or significant damage to agriculture or commerce.</p> <p>Significant damage to aquatic or other ecosystems, which may result in a substantial adverse change in its functioning or harm to a species of special interest that may endanger the long-term maintenance of the population.</p> <p>Significant damage to crops, buildings or property.</p>
<b>Mild</b>	<p>Exposure to human health <b>unlikely</b> to lead to "significant harm". Equivalent to <b>EA Category 3</b> pollution incident including minimal or short-lived effect on water quality; marginal effect on amenity value, agriculture or commerce.</p> <p>Minor or short-lived damage to aquatic or other ecosystems, which is unlikely to result in a substantial adverse change in its functioning or harm to a species of special interest that would endanger the long-term maintenance of the population.</p> <p>Minor damage to crops, buildings or property.</p>
<b>Minor</b>	<p>No measurable effect on humans.</p> <p>Equivalent to insubstantial pollution incident with no observed effect on water quality or ecosystems.</p> <p>Repairable effects of damage to buildings, structures and services.</p>

**Table X.** Description of Severity Classifications

Once the severity and probability of a pollutant linkage has been determined the risk can be assessed using the risk matrix shown overleaf on Table Y.



## Risk Matrix

By cross referencing the derived severity and probability in Table Y, below the perceived potential risk can be determined.

		Severity			
		Severe	Medium	Mild	Minor
Probability	High Likelihood	Very High Risk	High Risk	Moderate Risk	Moderate / Low Risk
	Likely	High Risk	Moderate Risk	Moderate / Low Risk	Low Risk
	Low Likelihood	Moderate Risk	Moderate / Low Risk	Low Risk	Very Low Risk
	Unlikely	Moderate / Low Risk	Low Risk	Very Low Risk	Very Low Risk

**Table Y.** Risk Assessment Matrix

The risk categories detailed above are defined below in the following Table Z.

Term	Description
<b>Very High Risk</b>	There is a high probability that significant harm could arise to a designated receptor from an identified hazard at the site without appropriate remedial action.
<b>High Risk</b>	Significant harm is likely to arise to a designated receptor from an identified hazard at the site without appropriate remedial action.
<b>Moderate Risk</b>	It is possible that without appropriate remedial action, harm could arise to a designated receptor but it is relatively unlikely that any such harm would be severe and if any harm were to occur, it is likely that such harm would be relatively mild.
<b>Low Risk</b>	It is possible that significant harm could arise to a designated receptor from an identified hazard but it is likely that at worst this harm if realised would normally be mild.
<b>Very Low Risk</b>	There is a low possibility that harm could arise to a receptor. In the event of such harm being realised, it is not likely to be severe.

**Table Z.** Definition of Risk