

LAND OFF CHAPEL STREET, KNOWSLEY

Phase 1 - Preliminary Risk Assessment



Prepared for:

68K Red and Black Ltd

Report Ref: BEK-23094-1

July 2023

Project Quality Assurance Information Sheet

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Report Title	Phase 1 - Preliminary Risk Assessment
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LAND OFF CHAPEL STREET, KNOWSLEY

Phase 1 - Preliminary Risk Assessment

PROJECT NO: 23094
REPORT REF: BEK-23094-1
DATE: July 2023

REVISION STATUS / HISTORY

Rev	Date	Issue / Comment	Prepared	Checked

GENERAL REPORT LIMITATIONS

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Where any data supplied by the client or from other sources have been used, it has been assumed that the information is correct. No responsibility can be accepted by BEK for inaccuracies in the data supplied by any other party. The conclusions and recommendations in this report are based on the assumption that all relevant information has been supplied by those bodies from whom it was requested.

No part of this report may be copied or duplicated without the express permission of BEK and the party for whom it was prepared. Where field investigations have been carried out, these have been restricted to a level of detail required to achieve the stated objectives of the work.

Unless explicitly agreed otherwise, in writing, this report has been prepared under BEK's limited standard Terms and Conditions as included within our proposal to the Client.

The report needs to be considered in the light of the BEK proposal and associated limitations of scope. The report needs to be read in full and isolated sections cannot be used without full reference to other elements of the report and any previous works referenced within the report.

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1. INTRODUCTION

1.1 Appointment

1.1.1 BEK Enviro (BEK) has been commissioned by 68K Red and Black Limited to prepare a Phase 1 Preliminary Risk Assessment (PRA) for a parcel of land off Chaple Street, Knowsley (hereafter referred to as 'the site'). The PRA will assess the potential risks associated with contamination considering a change of use to residential (without homegrown produce).

1.1.2 The site location and layout are presented on BEK Drawing No 23094-1 and BEK Drawing No 23094-2, respectively. Copies of these drawings are presented in Appendix F.

1.2 Proposed Development

1.2.1 This report has been prepared to support a planning application for the construction of a 3 storey residential care home with associated car parking, access and landscaped areas.

1.2.2 At the time of reporting, a proposed development plan is not available.

1.3 Objective & Scope of Work

1.3.1 The objective of this report is to provide a qualitative assessment of the potential risks from contamination and ground with consideration to the proposed residential end use without homegrown produce.

1.3.2 To achieve the objective BEK will undertake the following:

- Carry out a site inspection and collect photographs
- Review the available relevant background information for the site, including:
 - Recent Ordnance Survey Maps
 - Site Specific GroundSure Reports
 - Site Specific Historical Maps
 - Coal Authority Website
 - Zetica UXO Information
- Develop a preliminary conceptual site model in accordance with guidance to identify potentially significant pollutant linkages specific to the proposed development
- Establish areas of potential concern based on identified risks and/or potential risks
- Identify any actions required to assess or reduce the risks identified

1.4 Limitations

- 1.4.1 The conclusions and recommendations presented in this report are the result of our professional interpretation of the information currently available. BEK reserves the right to amend the conclusions and recommendations if further information becomes available.
- 1.4.2 However, it should be noted that much of the information has been derived from reports written by others and BEK takes no responsibility for the accuracy of that information. Notwithstanding the above, the reports reviewed have all been written by professional environmental consultants with a duty of care to provide relevant and accurate information.
- 1.4.3 This report does not include an invasive plant species assessment.

2. SITE DESCRIPTION

2.1 Site Location

- 2.1.1 The site occupies a parcel of land located off Chaple Street, Knowsley. The site is some 4.5 km south-east of Knowsley and 13 km north-east of Liverpool city centre.
- 2.1.2 The National Grid Reference for the centre of the site is 346794, 392870. The site location is shown on BEK Drawing No 23094-1, a copy of which is presented in Appendix F.

2.2 Site Layout & Description

- 2.2.1 A walkover/inspection was conducted by an engineer from BEK in July 2023. The site occupies a 200 m² roughly square shaped plot of vacant derelict land.
- 2.2.2 The site visits confirmed the majority of the site is overlain with hardstanding, this is noted to be red broken concrete in the west and small section of mosaic tiles in east which is indicative of the floor of former buildings. Grass and small shrubs grow through cracks/breaks in the concrete floor and the areas adjacent.
- 2.2.3 The southern site boundary is marked by a brick wall which forms the rear of a two-storey beauty studio. A emergency staircase from the studio is located adjacent to the south-east corner of the site. The eastern site boundary is marked by brick wall which is the rear of an adjacent restaurant. A number of ventilation pipes and air conditioning units are located on the wall. Chaple Street marks the western site boundary. The northern site is boundary of marked by metal fencing beyond which is an open yard area.
- 2.2.3 The general site layout is shown on BEK Drawing No 23094-2, a copy of which is presented in Appendix F and a selection of photographs taken during the walkover are presented in Appendix E.

2.3 Surrounding Land Use

- 2.3.1 The site is located on the edge of Knowsley town centre and is located in an area dominated by retail outlets and restaurants and bars.

3. SITE HISTORY

- 3.1 The history of the site has been established using historical OS maps supplied by Groundsure. A selection of historical OS maps reviewed is presented in Appendix A.
- 3.2 It should be noted that the outline of the site boundary is shifted on some of the earlier maps. This has been corrected in the descriptions below.

1852 – 1893 – 1908 – 1927 - 1937

- 3.3 These maps show the site to be located in an area of mixed industrialised and residential land use. The site is occupied by a row of terraced residential properties that front on to Short Street that marks the western site boundary. There are private yards in the east of the site with pumps considered to be associated with wells. There are some unspecified buildings located to the east (possibly light industrial) with a park beyond. There is a Chapel and School Room to the west (beyond Short Street). The land to the north and south is generally dominated by residential properties. The pumps are no longer present from 1893 maps onwards.

1954–2003

- 3.7 These maps show no significant change to the site. The buildings to the east have been extended and suggest a large industrial building use. A review aerial imagery taken of the site from 2000 indicated the building to the north of the site have been demolished and are no longer present.

2005-2023

- 3.8 A review of Google earth satellite imagery indicated the building on site has been demolished and is no longer present from the 2005 onwards. The site remains unchanged until present. Figure 1 below is an aerial image taken of the site from 2019.



Figure 1: Aerial Image of the Site from 2019 (from Enviro+GeoInsight Report)

4. ENVIRONMENTAL SETTING

4.0.1 An Enviro+GeoInsight Report has been obtained from Groundsure and information provided in these reports has been used within this section. A copy of the report is presented in Appendix B.

4.1 Geology

4.1.1 The site geology is illustrated in the Enviro+GeoInsight Report which has sourced data from several sources including British Geological Society (BGS), BRITPITS database and the Coal Authority.

4.1.2 Furthermore, site investigation information has been sought from the British Geological Society (BGS) website. There are five BGS boreholes available to view within 250 m of the site. The closest borehole is located 221 m south-west of the site.

4.1.3 With consideration to the significant quantity of information encountered, BEK has considered it to review the borehole closest to the site to review near surface ground conditions. Moreover, a deeper borehole within the vicinity of the site has been reviewed to provide further information with respect to shallow coal mining risks on site.

4.1.4 The boreholes reviewed and their distance/directions from the site are provided within the table below:

Borehole Reference	Distance/Direction	Date	Borehole Depth (m)
SJ49SE227	221 South-west	<i>Undated</i>	1.7
SJ49SE246	227 m North-west	July 1989	40

Table 1: Summary of Reviewed Boreholes

4.1.5 The borehole entitled 'SJ49SE228' encountered made ground to a depth of 1.25 m which consisted of concrete underlain by 'soft black sandy clay and fine to coarse gravel of redbrick with sandstone'. 'Firm light brown sandy clay with some fine to medium gravel was identified until the Trial Pit to 1.7 m.

4.1.6 The borehole entitled 'SJ49SE246' encountered made ground in the form of 'soil and ash' to 2.4 m. 'Sands and Gravel' were identified to 9.0 m which was underlain by mudstone to 31 m followed by siltstone to 40 m. Two small lenses of coal and shale were encountered within the borehole at depth of 9 m to 9.15 m and 27.50 m to 28.60 m respectively.

4.1.7 Copies of the reviewed BGS Borehole records are presented in Appendix C.

Made Ground

- 4.1.8 According to the Enviro+GeoInsight Report there is no record of made ground (artificial deposit) on the site or within 250 m of the site.

Superficial Geology

- 4.1.9 The Enviro+GeoInsight Report has no recorded superficial geology.
- 4.1.10 However, the nearest BGS borehole 'SJ49SE227' located some 221 m south-west of the site encountered 'sandy clay with some gravels' to 1.7 m. A review of deeper ground conditions provided in Borehole 'SJ49SE246' located some 227 m north-west encountered 'silty sands' and 'sand and gravel' to 9.15 m underlain by mudstone to 31 m, below which 'siltstone' to 40 m.

Bedrock

- 4.1.10 The Enviro+GeoInsight Report indicates that the underlying solid geology comprises of the Pennine Lower Coal Measures Formation which is dominated by sandstone. This strata has a moderate to high permeability.

Faults/Linear Features

- 4.1.11 There are two linear features located within 250 m of the site. The closest of which refers to a Rock – coal seam, inferred located some 140 m north of the site.

4.2 Mining & Ground Stability

- 4.2.1 Information in the Enviro+GeoInsight Report indicates that the site is located within a coal mining area as defined by the Coal Authority. Furthermore, reference to the Coal Authority Interactive Map suggests that the site is located within a 'Development High Risk Area'. As such, a separate Coal Mining Risk Assessment Report is necessary.
- 4.2.2 The Enviro+GeoInsight Report indicates that there is one surface ground workings within 250 m of the site. This is referred to as Identified Ground Workings some 187 m to the north-west dated 1925.
- 4.2.3 The Enviro+GeoInsight Report provides hazard ratings associated with ground subsidence at the site, as summarised below:

Shrink-Swell Clay:	Negligible
Landslides:	Very Low
Dissolution of Soluble Rocks:	Negligible
Compressible Deposits:	Negligible
Collapsible Deposits:	Very Low
Running Sands:	Negligible

4.2.4 It can be seen from the above that the site is unlikely to be affected by natural ground instability issues.

4.3 Hydrogeology

4.3.1 The Enviro+GeoInsight Report states that there is classification for an aquifer within the superficial strata as it is considered to be absent on geological maps.

4.3.2 The underlying bedrock is classified by the EA as a 'Secondary A' aquifer which is described as 'permeable layers capable of supporting water supplies at a local rather than strategic scale, and in some cases forming an important source of base flow to rivers. These are generally aquifers formerly classified as minor aquifers'.

4.3.3 The Enviro+GeoInsight Report indicates the site is not located within a groundwater source protection zone.

4.3.4 There are no groundwater abstractions located within 250m of the site.

4.3.5 There is a low risk from groundwater flooding at the site.

4.4 Hydrology

4.4.1 There are no surface water features on site or within the 250 m.

4.4.2 There are no registered licensed discharge consents located within 250 m of the site.

4.4.3 The site is not considered to be at risk from flooding.

4.5 Contaminated Land & Landfill Activities

4.5.1 Information provided in the Enviro+GeoInsight Report indicates that there are no historic/current or active landfills within 250 m of the site.

4.5.2 There were two waste exemptions for activities involving the treatment of waste registered within 250 m of the site. These are summarised within the table below.

Location	Address	Reference	Category/ Sub-Category/ Description
195 m West	8, MILL STREET, PRESCOT	WEX167417	Treating waste exemption Not on a Farm Screening and blending of waste
225 m West	MCKENNA COURT 11A, HIGH STREET, PRESCOT	WEX258709	Treating waste exemption Non-Agricultural Waste Only Sorting and de-naturing of controlled drugs for disposal.

Table 2: List of the Waste Exemption Records from EA/NRW within 250 m of the Site

- 4.5.3 There are no EA recorded pollution incidents located within 250 m of the site.
- 4.5.4 There are no recorded Part A(1), or IPPC Authorised Activities within 250 m of the site.
- 4.5.5 There are three registered Part A(2)/B processes situated within 250 m of the site as summarised in Table 3.

Location	Address	Process	Status	Enforcement Date
78 m West	Prescot Dry Cleaners, 40 high street, Prescot, L34 6HQ	Dry Cleaning	Current Permit	No
110 m North	Prescot Fuel service Station (Formally Texaco), St Helens Road, Prescot, L34 6HN	Unloading of Petrol into Storage at Service Stations	Current Permit	No
130 m South	Pirelli Components, Hall Lane, Prescot, L34 5UR	Di-isocyanate Processes	Revoked	No

Table 3: Waste Exemptions Registered on/within 250 m of the Site

- 4.5.6 There is on COMAH site located within 250 m of the site as shown in Table 4 below.

Location	Address	Company	Operational Status	Tier
194 m North	British Gas, Ward Street, Prescot, L34 6JJ	British Gas	Historical NIHHS site	---

Table 4: COMAH site located within 250 m of the Site

- 4.5.7 According to the Enviro+GeoInsight Report there are 19 potentially contaminative industrial sites located within 250 m of the site, the closest of which is an electricity substation, located 46 m south of the site. This is unlikely to have impacted the site.

4.6 Sensitive Land Uses

- 4.6.1 The site is not affected by any of the ecological systems identified as a statutory receptor in the DETR Circular 01/2006.
- 4.6.2 The site is located within a designated nitrate vulnerable zone as shown in Table 5 below.

Location	Name	Type	NVZ ID	Status
On Site	Ditton Brook (Halewood to Mersey Estuary)	Surface Water	640	Existing

Table 5: Nitrate Vulnerable Zone located on Site

4.7 Radon

- 4.7.1 The Enviro+GeoInsight reports that 'less than 1% of homes are above the action trigger level' and that no radon protective measures are necessary in the construction of new dwellings or extensions.

4.8 Unexploded Ordnance

- 4.8.1 The regional unexploded bomb risk map from Zetica indicates that the site is in an area of LOW risk from Unexploded Ordnance (UXO) resulting from the Second World War.
- 4.8.2 BEK do not consider any further assessment to be required with respect to UXO.

5. POTENTIAL POLLUTANT LINKAGES

5.1 General

5.1.1 This section identifies the potential sources of contamination along with specific contaminants of concern, pathways and receptors that may be associated with the site based on its known history and the current condition and with respect to the re-development of the site for residential use (without homegrown produce).

5.1.2 This information is used to develop a preliminary conceptual model which is a qualitative description of potential sources of environmental pollutants, the pathways by which they are transported and the receptors:

- i) Potential sources of contamination: these include any actual or potentially contaminating materials and activities, located either on or in the vicinity of the site
- ii) Potential pathways for contamination migration: these comprise the routes or mechanisms by which contaminants may migrate from the source to the receptor including environmental migration pathways and human health exposure pathways
- iii) Potential receptors of contamination: these include future land users, ecological systems, water resources and property.

5.2 Potential Sources of Contamination

5.2.1 Based on the earliest available maps dating from 1852 located in an area of mixed industrialised and residential land use. The site was occupied by a row of terraced residential properties that front on to Short Street that marks the western site boundary. There are private yards in the east of the site with pumps considered to be associated with wells. The pumps are no longer present from the 1892 maps onwards. The site remains relatively unchanged until circa 2005 when the buildings on site were demolished and cleared.

5.2.2 Historical OS Maps indicates that the site has been occupied by residential properties from 1852 until 2005. Given the history of the development, made ground is likely to be present at various locations within the site (properties could have had basements). It may have been necessary to import material to level the site prior to the construction of any of former buildings on-site/made ground made have been deposited following demolition. The nature and source of any made ground on site is unknown and it could contain contaminants of concern.

5.2.3 The potential contaminants of concern that may be present at the site are summarised below:

Contaminants Associated General Made Ground	
Arsenic	Zinc
Cadmium	Sulphate
Chromium	Cyanide
Copper	Phenols
Lead	Polycyclic Aromatic Hydrocarbons (PAHs)
Mercury	Total Petroleum Hydrocarbons (TPHCWG)
Nickel	Asbestos
Selenium	pH

Table 6: *Potential Contaminants of Concern*

5.2.4 It should be noted that the above list represents a broad range of potential contaminants of concern. Additional contaminants of concern may be present if ground conditions differ from those anticipated.

5.2.5 Potential sources of ground gas are considered to be very low. However, if the site investigation/groundworks provide a significant thickness of made ground (>3 m) or natural strata has a high organic content, it may be necessary to re-assess the potential risks from ground gas.

5.3 Potential Pathways

5.3.1 The pathways through which contaminants may reach receptors are in part dependent by the nature and behaviour of the contaminant and the intended end use of the site (residential without homegrown produce).

5.3.2 The following potential pathways have been identified with respect to the existing site condition, historical use of the site, the environmental setting and the re-development of the site to residential (with homegrown produce) which are assessed in the conceptual model:

- Dermal contact of contaminated soil
- Ingestion of contaminated soil/home grown vegetables
- Inhalation of contamination dust
- Dissolution or suspension (leaching) of contaminants into pore waters affecting plant growth
- Indoor inhalation of organic vapours and ground gas
- Dissolution or suspension (leaching) of contaminants from site soils leading to lateral/vertical migration of contamination to nearby surface waters/underlying groundwater

- Dissolution or suspension (leaching) of contaminants from site soils leading to lateral migration within perched waters to off-site receptors. Potential significant pathways include more permeable layers within the made ground/natural strata, underground services and piles/foundations
- Contamination affecting the integrity of service pipelines by direct contact
- Buildings affected by direct contact with elevated concentrations of sulphate and/or extreme pH

5.4 Receptors

5.4.1 Potential site-specific receptors that may be affected by contamination at the site are listed below:

Future Site Users

5.4.2 Future residents of the site could be at risk from contamination present at the site.

5.4.3 Potential risks are associated with ingestion of soils and home grown vegetables as well as inhalation of contaminated dust/vapours (including asbestos fibres) and dermal contact with contaminants of concern. These risks are all associated with the garden areas, or any open spaces of the proposed development.

5.4.4 In addition, risks associated with indoor inhalation of ground gas/organic vapours need to be assessed.

Construction Workers

5.4.5 The primary risks to construction workers are associated with shallow excavations as asbestos could be present. Asbestos fibers (if present) can be released into the atmosphere during earthworks.

5.4.6 Standard personal protective equipment and site specific risk assessments and method statements should reduce risks associated with other contaminants of concern due to short exposure duration.

Off Site Receptors

5.4.7 Off site receptors include residents to the east and west of the site. Human health could be at risk if asbestos fibres are released during the development.

Flora

5.4.8 Heavy metals can be phytotoxic and if present can represent a potential risk to flora in the landscaped areas.

Buildings & Services

- 5.4.9 The integrity of service pipes can be affected by concentrations of organic contamination.

Controlled Waters

- 5.4.10 There are no surface water features on site or within 250 m of the site.
- 5.4.11 There is no superficial aquifer present according to the Enviro+GeoInsight Report, the bedrock is classified as Secondary A Aquifer and are considered potential receptors.

5.5 Preliminary Conceptual Model

- 5.5.1 The identified potential sources of contaminants, pathways and receptors have been assessed to establish plausible pollutant linkages. All potentially significant pollutant linkages are detailed in Table B, in Appendix D.

5.6 Potentially Significant Pollutant Linkages

- 5.6.1 A number of possible 'significant pollutant linkages' have been identified associated with the site.
- 5.6.2 Potential risks relating to the potential harm to the health of humans and/or domestic pets both on and off site due to the potential for direct contact with contaminants in the made ground and the ingestion of contaminated soil/dust (**Link 1**).
- 5.6.3 There is also the possibility of windblown particulates being inhaled by people/animals both on site and off site (**Link 2**).
- 5.6.4 Human health could be at risk by the inhalation of volatile contamination and /or ground gas migrating into properties on site (**Link 3**).
- 5.6.5 Property (including services, flora and fauna) could be affected by direct contact to high concentrations of contaminants (**Link 4**).
- 5.6.6 Dissolution or suspension (leaching) of contaminants from site soils leading to impact within the underlying Secondary A Aquifer within the bedrock (**Link 5**).
- 5.6.7 Site investigation is required to identify site specific conditions and assess the risks associated with each identified plausible pollutant linkage.

6. RECOMMENDATIONS

- 6.1 Based on the findings of the Preliminary Risk Assessment herein, a number of potential risks associated with contamination have been identified with respect to the redevelopment of the site to a residential care home.
- 6.2 The primary risks are associated with the potential presence of made ground at the site. Site investigation is required to characterise the shallow ground conditions and quantify the potential risks identified. The site investigation will also provide sufficient information to support a geotechnical assessment to inform foundation design options.

Site Investigation

- 6.3 The investigation should comprise the excavation of a series of trial pits and/or boreholes to confirm ground conditions across the site as anticipated. This will help to inform possible re-use of existing soils at the site for use within residential gardens or landscaped areas. The investigation should also target likely locations of made ground.
- 6.4 In-situ strength testing will be carried out (shear vane/SPTs) and samples recovered for chemical and geotechnical testing. All samples for chemical testing will be collected in appropriate sampling vessels, stored in a precooled cool box and dispatched to the laboratory within 24 hours.
- 6.5 The site investigation should be supervised by an experienced engineer who will be responsible for recording ground conditions encountered.
- 6.6 If potential source of ground gas is encountered on site (ie made ground (>3 m) or natural strata has a high organic content, it may be necessary to install gas monitoring wells as part of a ground gas risk assessment.

Laboratory Testing

- 6.7 Following a review of ground conditions encountered, a selection of samples will be tested for the contaminants of concern listed in Table 3 of this report. If visual or olfactory evidence of contamination is encountered (including any made ground) during the site investigation then it may be necessary to undertake additional testing.
- 6.8 Depending on ground conditions encountered, samples will be submitted for geotechnical testing to inform foundation design options.
- 6.9 All testing will be carried out by a UKAS accredited laboratory to MCERTS standard (where applicable).

Risk Assessment

- 6.10 The investigation findings will be assessed as part of a quantitative risk assessment to amend the conceptual site model and identify any potential significant pollutant linkages.
- 6.11 The assessment will be undertaken in accordance with current UK guidance and policy.

Reporting

- 6.12 The works undertaken will be detailed in a Site Investigation & Ground Assessment report along with full justifications for the assessment and the conclusions and any recommendations.

Other Considerations

- 6.13 We would also recommend that consideration is given to the requirements of the water supply service provider and the completion of the UKWIR risk assessment for water pipe selection.

APPENDIX A

Historical OS Maps

Site Details:

2 - 4 Chapel Street, Prescott,
Knowsley, L34 5QH

Client Ref: 7868-23094-MLM
Report Ref: GS-6CA-DMT-GZ6-IS6
Grid Ref: 346793, 392870

Map Name: 1056 Scale Town Plan

Map date: 1852

Scale: 1:1,056

Printed at: 1:1,056



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

Surveyed 1848
Revised N/A
Edition 1852
Copyright N/A
Levelled N/A

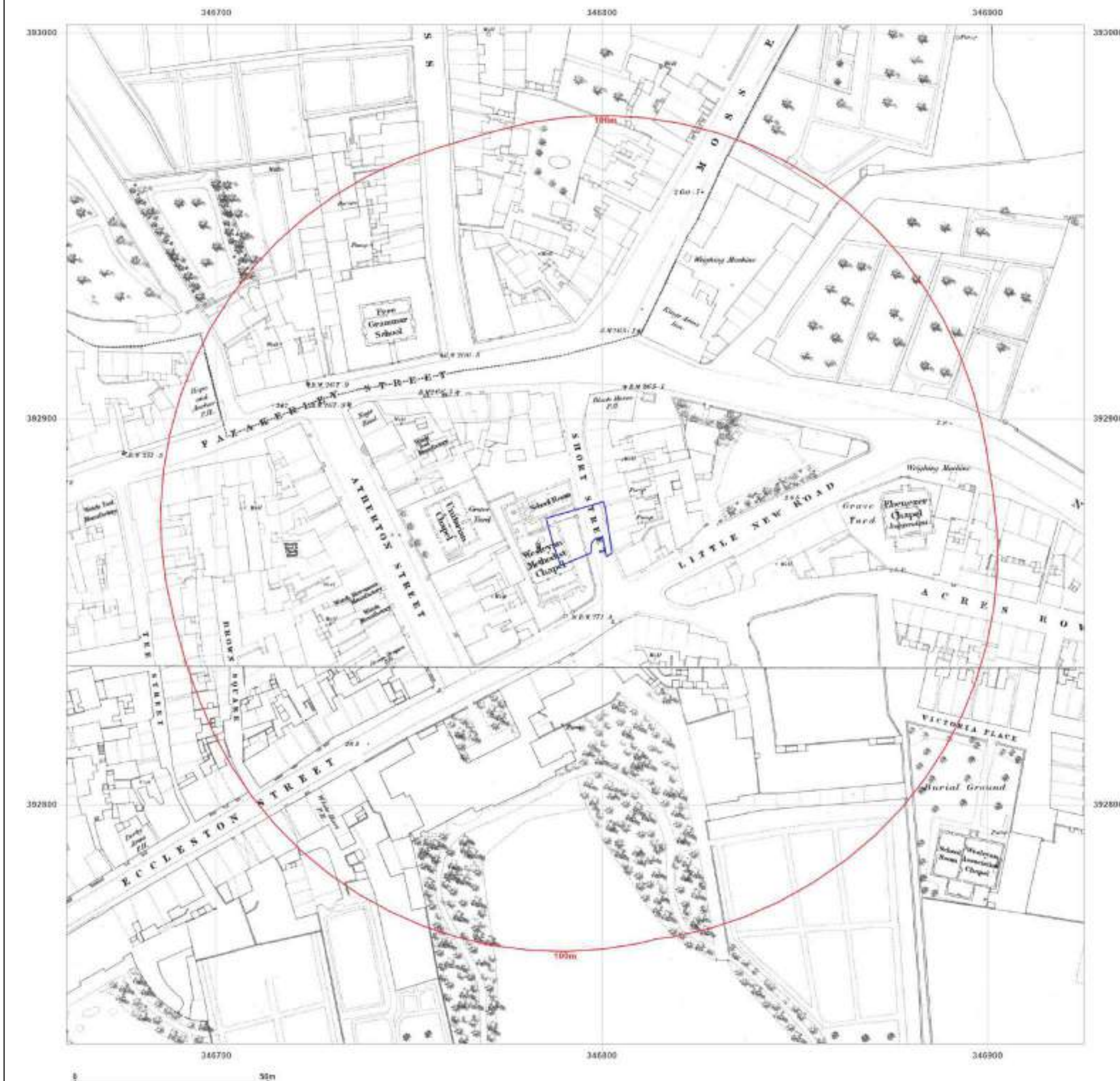


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Production date: 14 July 2023

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



Site Details:

2 - 4 Chapel Street, Prescott,
Knowsley, L34 5QH

Client Ref: 7868-23094-MLM
Report Ref: GS-6CA-DMT-GZ6-IS6
Grid Ref: 346793, 392870

Map Name: County Series

Map date: 1850

Scale: 1:10,560

Printed at: 1:10,560



Surveyed 1847
Revised N/A
Edition 1850
Copyright N/A
Levelled N/A

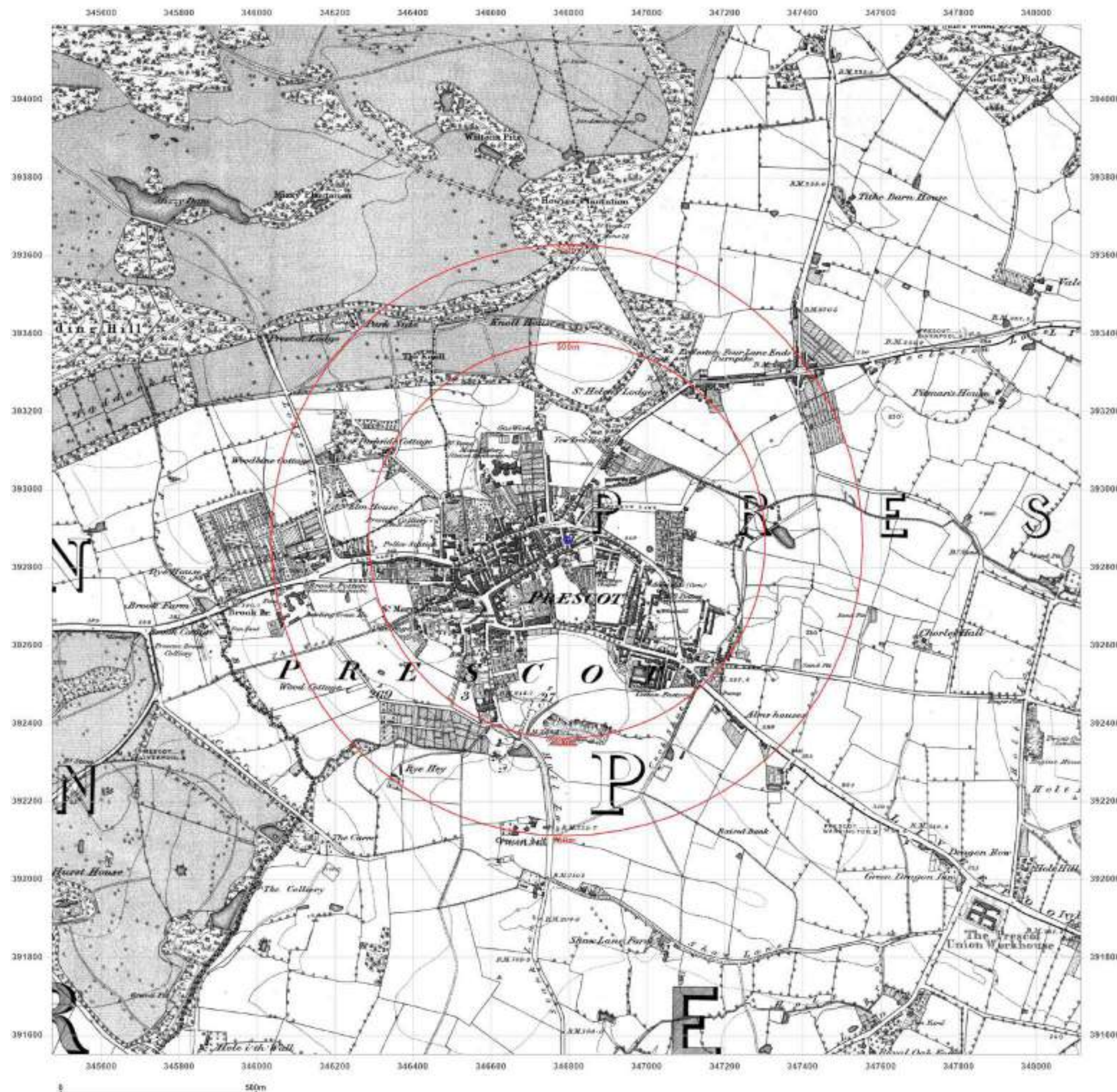


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Report Ref: GS-6CA-DMT-GZ6-IS6
Grid Ref: 346793, 392870

Map Name: County Series

Map date: 1891

Scale: 1:10,560

Printed at: 1:10,560



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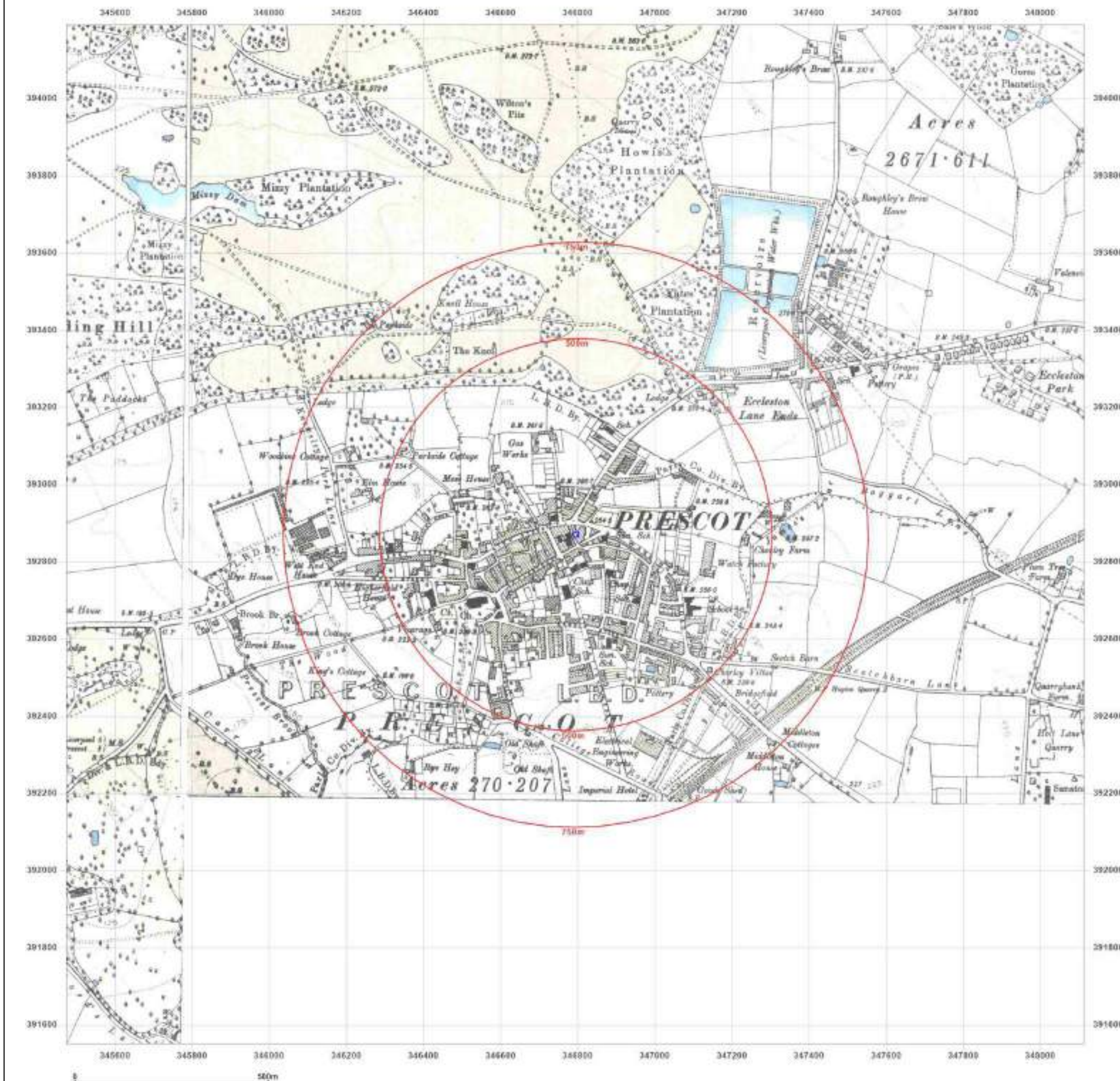


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Client Ref: 7868-23094-MLM
Report Ref: GS-6CA-DMT-GZ6-IS6
Grid Ref: 346793, 392870

Map Name: County Series

Map date: 1906

Scale: 1:10,560

Printed at: 1:10,560



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Revised 1906
Edition N/A
Copyright N/A
Levelled N/A

Surveyed 1891
Revised 1906
Edition N/A
Copyright N/A
Levelled N/A

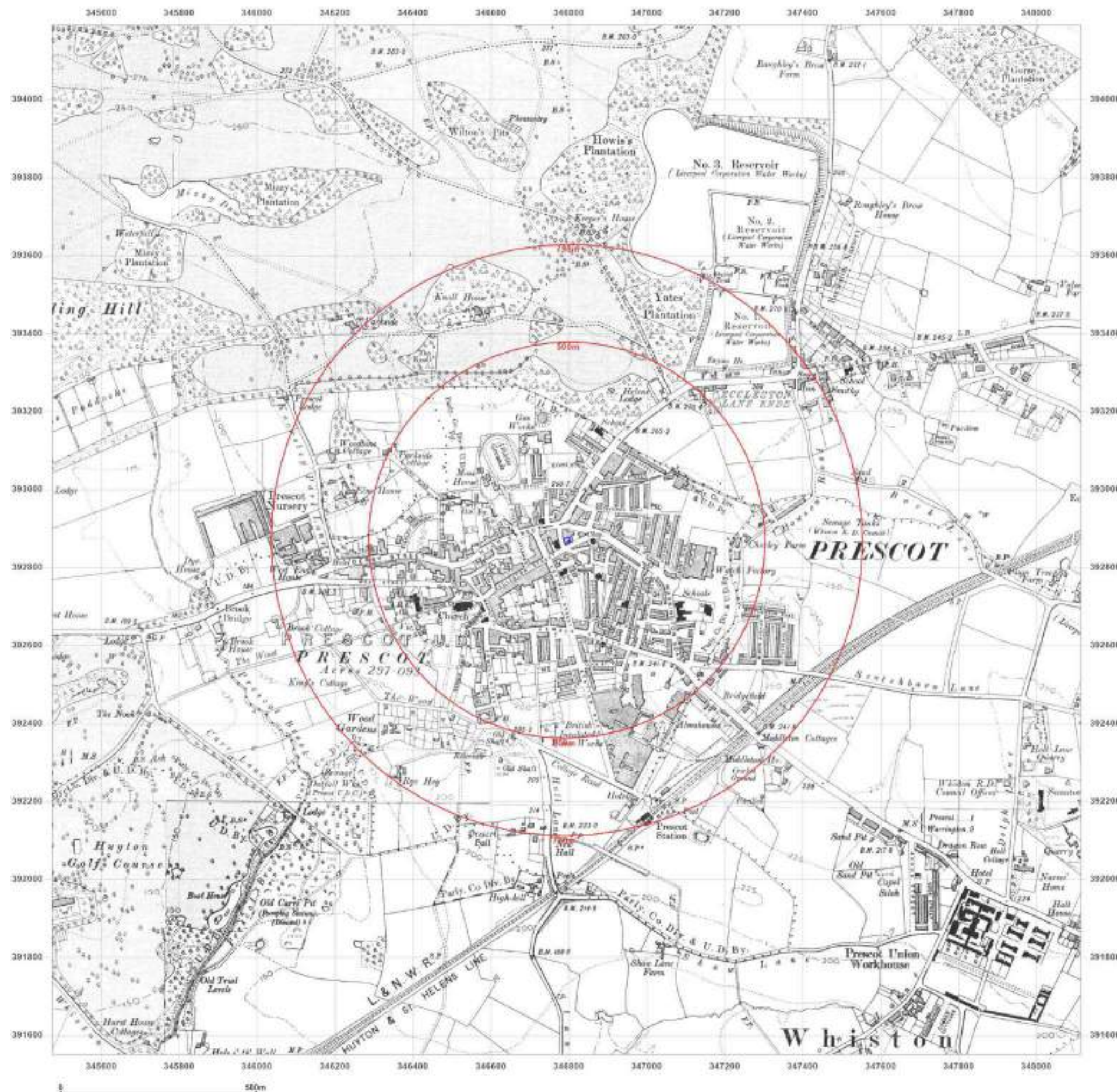


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Site Details:

2 - 4 Chapel Street, Prescott,
Knowsley, L34 5QH

Client Ref: 7868-23094-MLM
Report Ref: GS-6CA-DMT-GZ6-IS6
Grid Ref: 346793, 392870

Map Name: County Series

Map date: 1925

Scale: 1:10,560

Printed at: 1:10,560



Surveyed 1849
Revised 1925
Edition N/A
Copyright N/A
Levelled N/A

Surveyed 1847
Revised 1925
Edition N/A
Copyright N/A
Levelled N/A

Surveyed 1848
Revised 1925
Edition N/A
Copyright N/A
Levelled N/A

Surveyed 1848
Revised 1925
Edition N/A
Copyright N/A
Levelled N/A

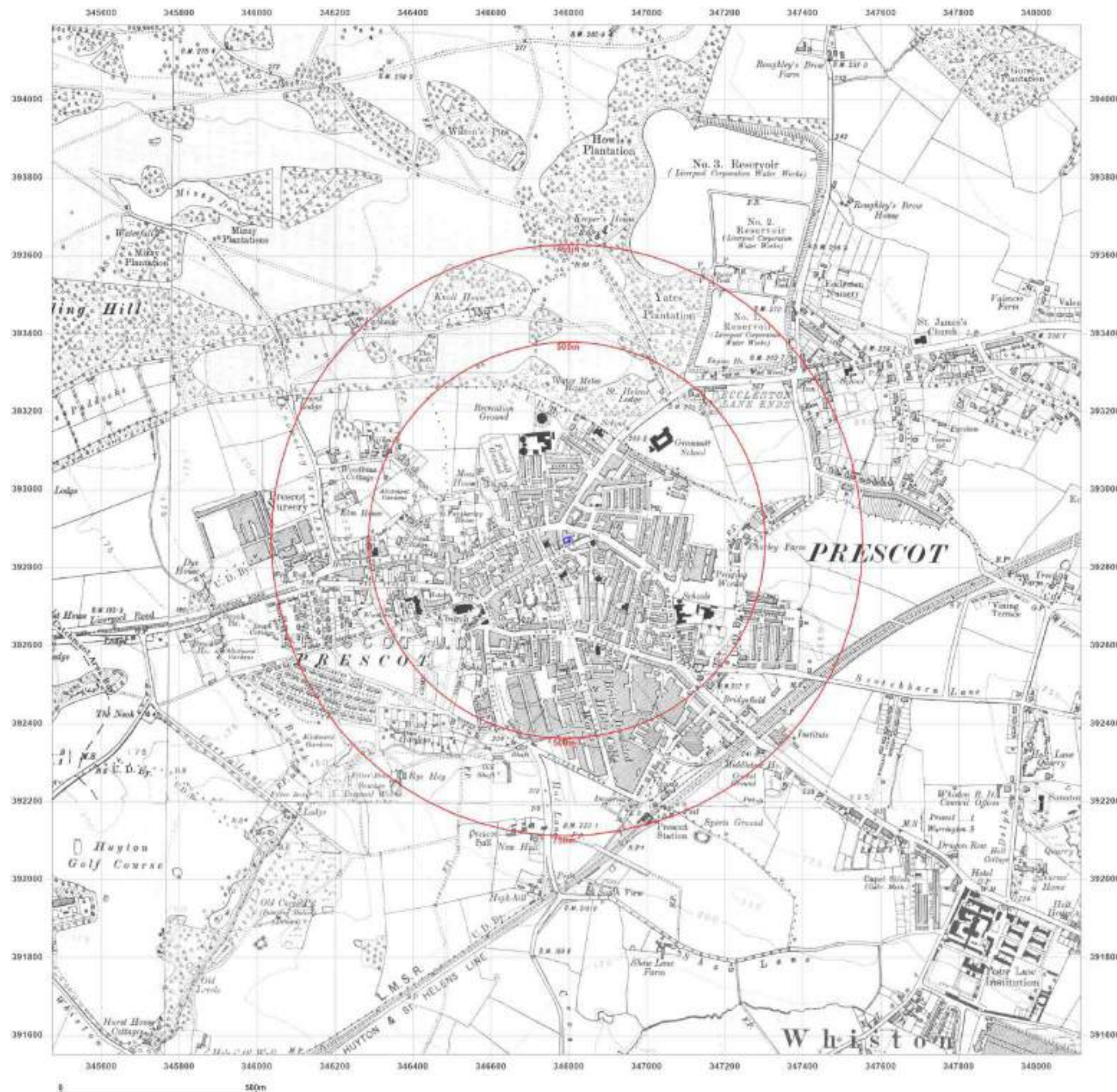


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Site Details:

2 - 4 Chapel Street, Prescott,
Knowsley, L34 5QH

Client Ref: 7868-23094-MLM
Report Ref: GS-6CA-DMT-GZ6-IS6
Grid Ref: 346793, 392870

Map Name: County Series

Map date: 1925

Scale: 1:10,560

Printed at: 1:10,560



Surveyed 1849
Revised 1925
Edition N/A
Copyright N/A
Levelled N/A

Surveyed 1847
Revised 1925
Edition N/A
Copyright N/A
Levelled N/A

Surveyed 1848
Revised 1925
Edition N/A
Copyright N/A
Levelled N/A

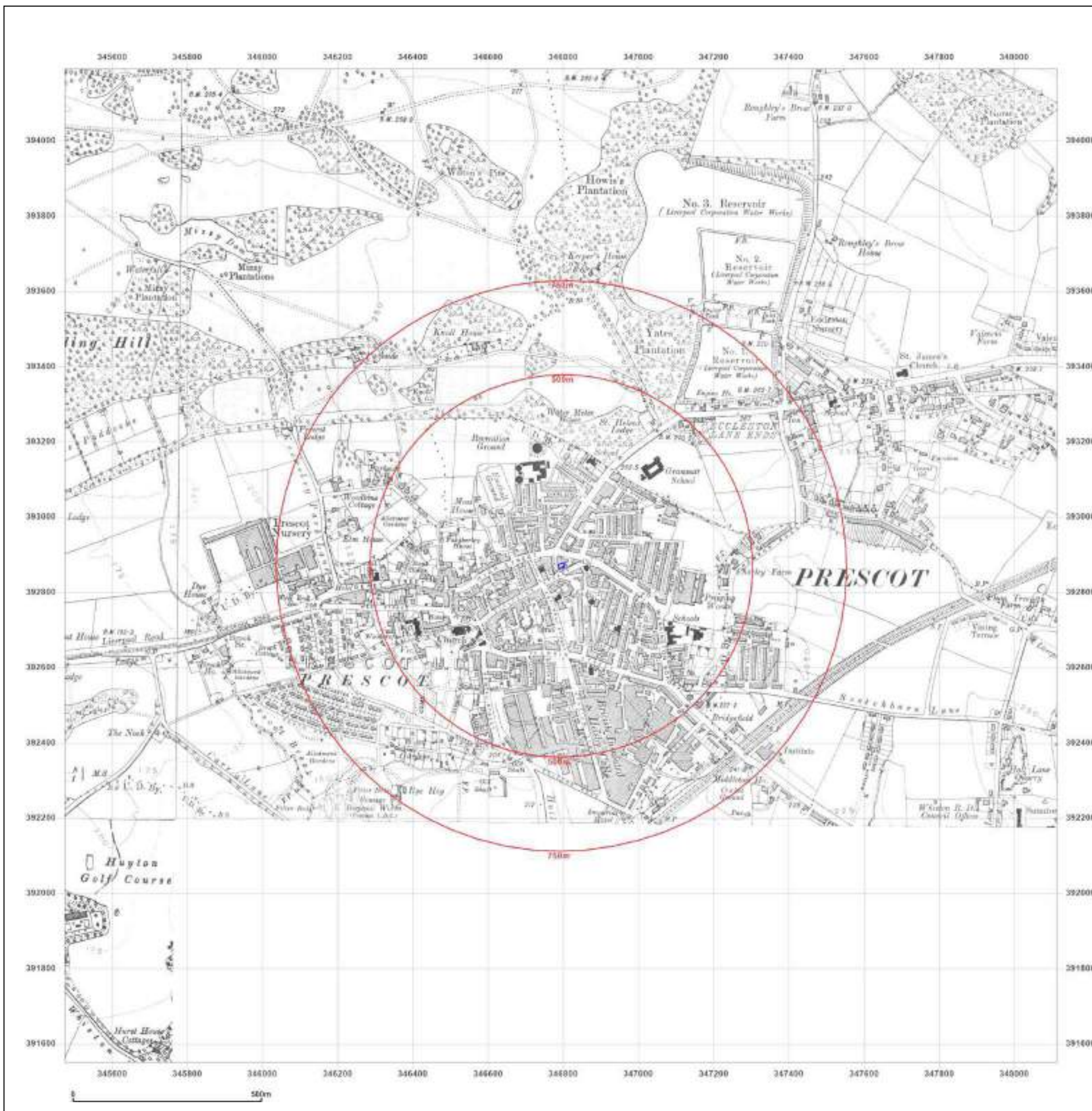


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Site Details:

2 - 4 Chapel Street, Prescott,
Knowsley, L34 5QH

Client Ref: 7868-23094-MLM
Report Ref: GS-6CA-DMT-GZ6-IS6
Grid Ref: 346793, 392870

Map Name: County Series

Map date: 1938

Scale: 1:10,560

Printed at: 1:10,560



Surveyed 1849
Revised 1938
Edition 1938
Copyright N/A
Levelled N/A

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

Surveyed 1848
Revised 1938
Edition 1938
Copyright N/A
Levelled N/A

Surveyed 1848
Revised 1938
Edition 1938
Copyright N/A
Levelled N/A

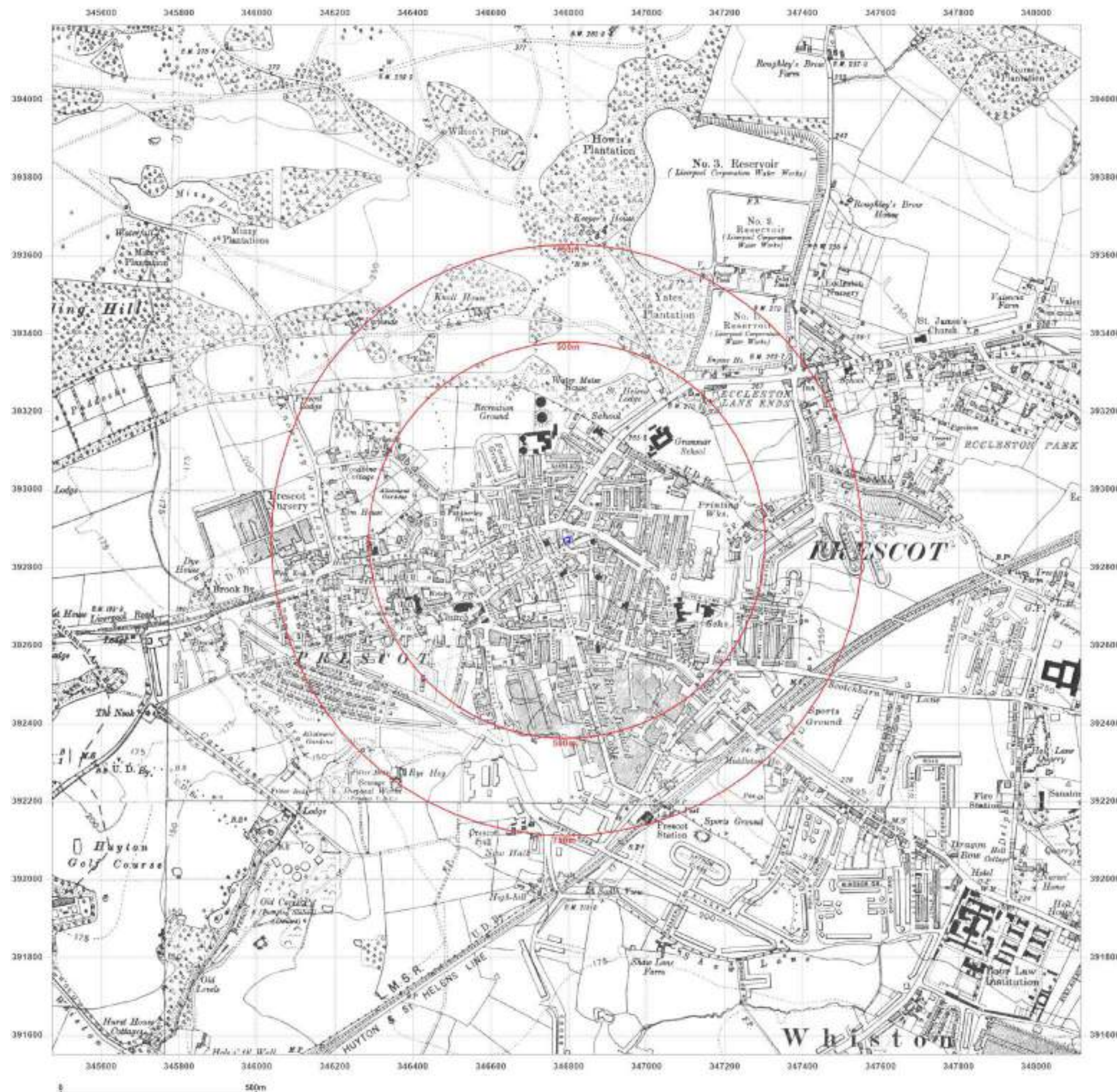


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Site Details:

2 - 4 Chapel Street, Prescott,
Knowsley, L34 5QH

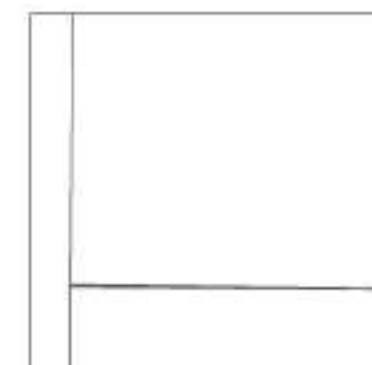
Client Ref: 7868-23094-MLM
Report Ref: GS-6CA-DMT-GZ6-IS6
Grid Ref: 346793, 392870

Map Name: County Series

Map date: 1947-1950

Scale: 1:10,560

Printed at: 1:10,560



Surveyed 1847
Revised 1950
Edition N/A
Copyright N/A
Levelled N/A

Surveyed 1848
Revised 1947
Edition N/A
Copyright N/A
Levelled N/A

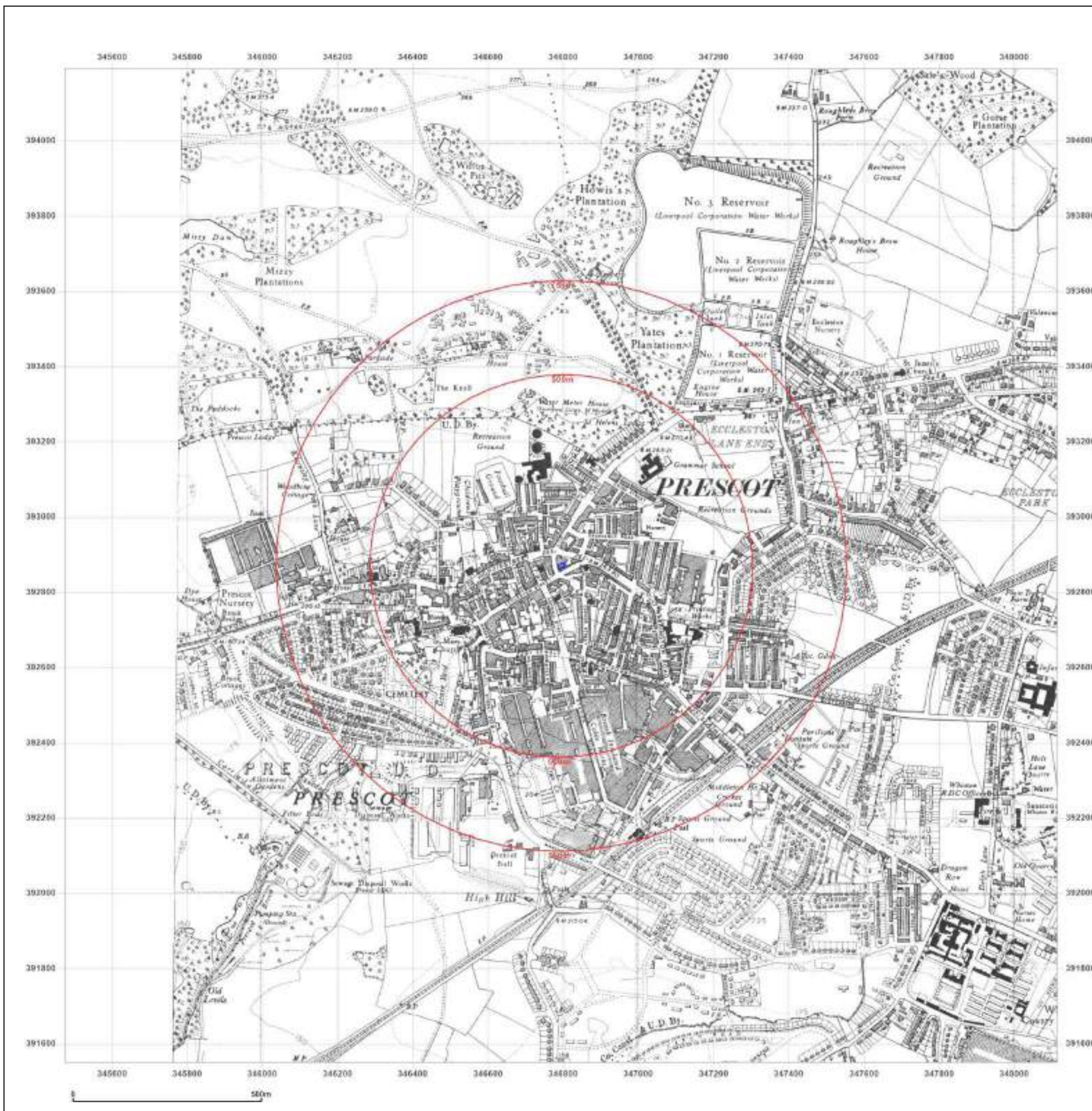


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Site Details:

2 - 4 Chapel Street, Prescott,
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Client Ref: 7868-23094-MLM
Report Ref: GS-6CA-DMT-GZ6-IS6
Grid Ref: 346793, 392870

Map Name: Provisional

Map date: 1966

Scale: 1:10,560

Printed at: 1:10,560



Surveyed 1966
Revised 1966
Edition N/A
Copyright N/A
Levelled N/A

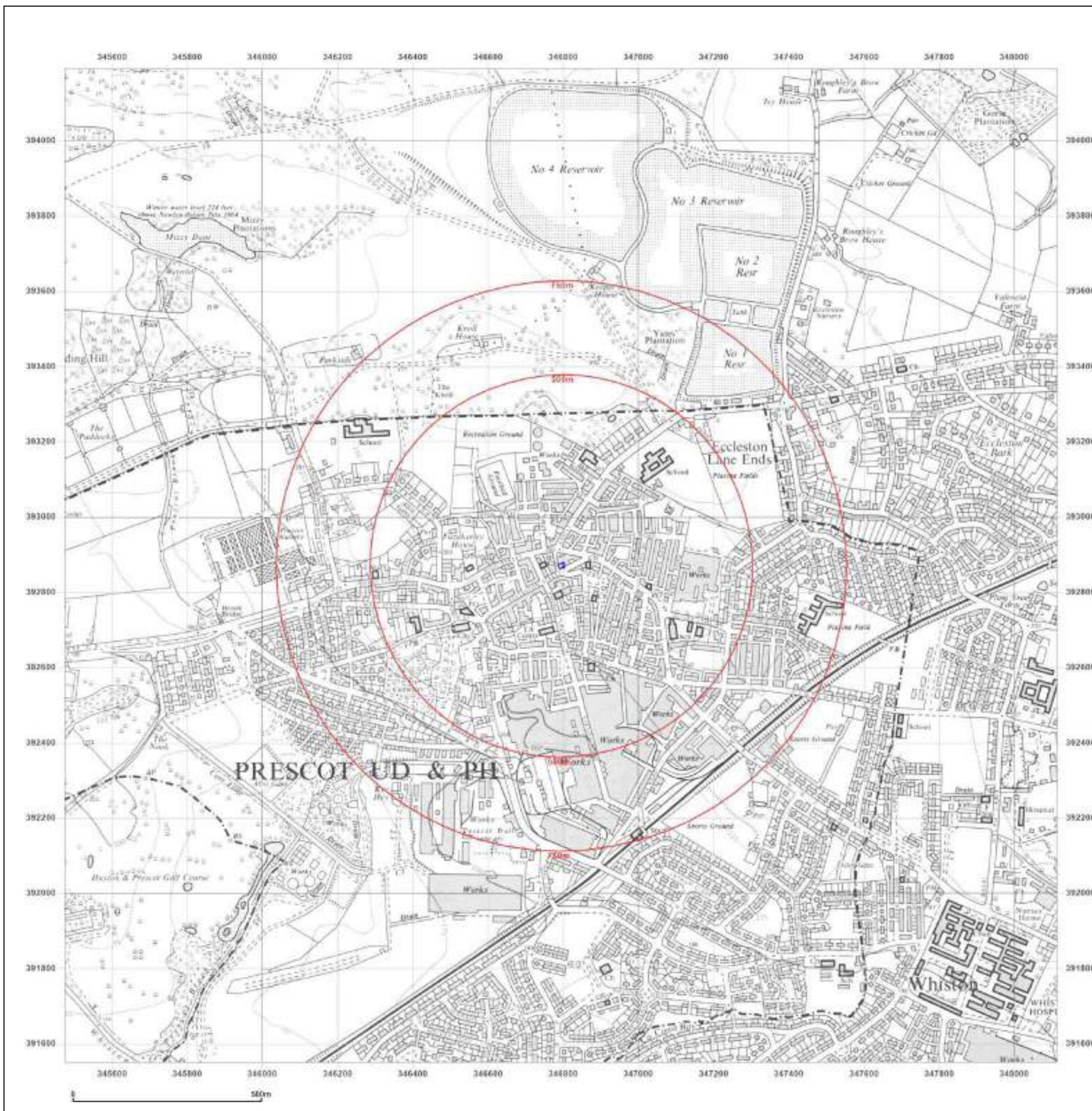


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Site Details:

2 - 4 Chapel Street, Prescott,
Knowsley, L34 5QH

Client Ref: 7868-23094-MLM
Report Ref: GS-6CA-DMT-GZ6-IS6
Grid Ref: 346793, 392870

Map Name: National Grid

Map date: 1978

Scale: 1:10,000

Printed at: 1:10,000



Surveyed 1975
Revised 1978
Edition N/A
Copyright 1978
Levelled 1964

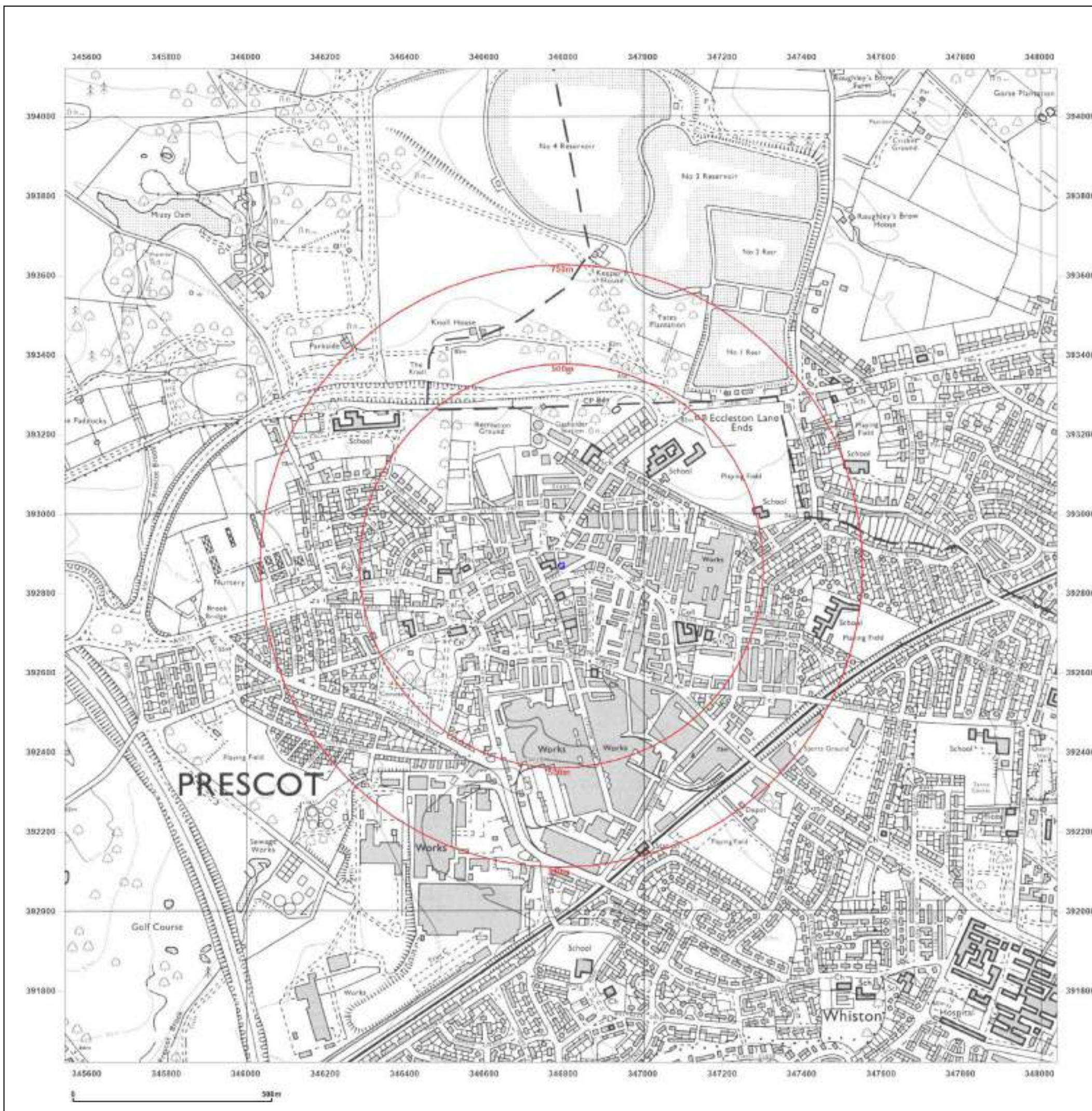


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Site Details:

2 - 4 Chapel Street, Prescott,
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Client Ref: 7868-23094-MLM
Report Ref: GS-6CA-DMT-GZ6-IS6
Grid Ref: 346793, 392870

Map Name: National Grid

Map date: 1990

Scale: 1:10,000

Printed at: 1:10,000



Surveyed 1989
Revised 1990
Edition N/A
Copyright N/A
Levelled N/A

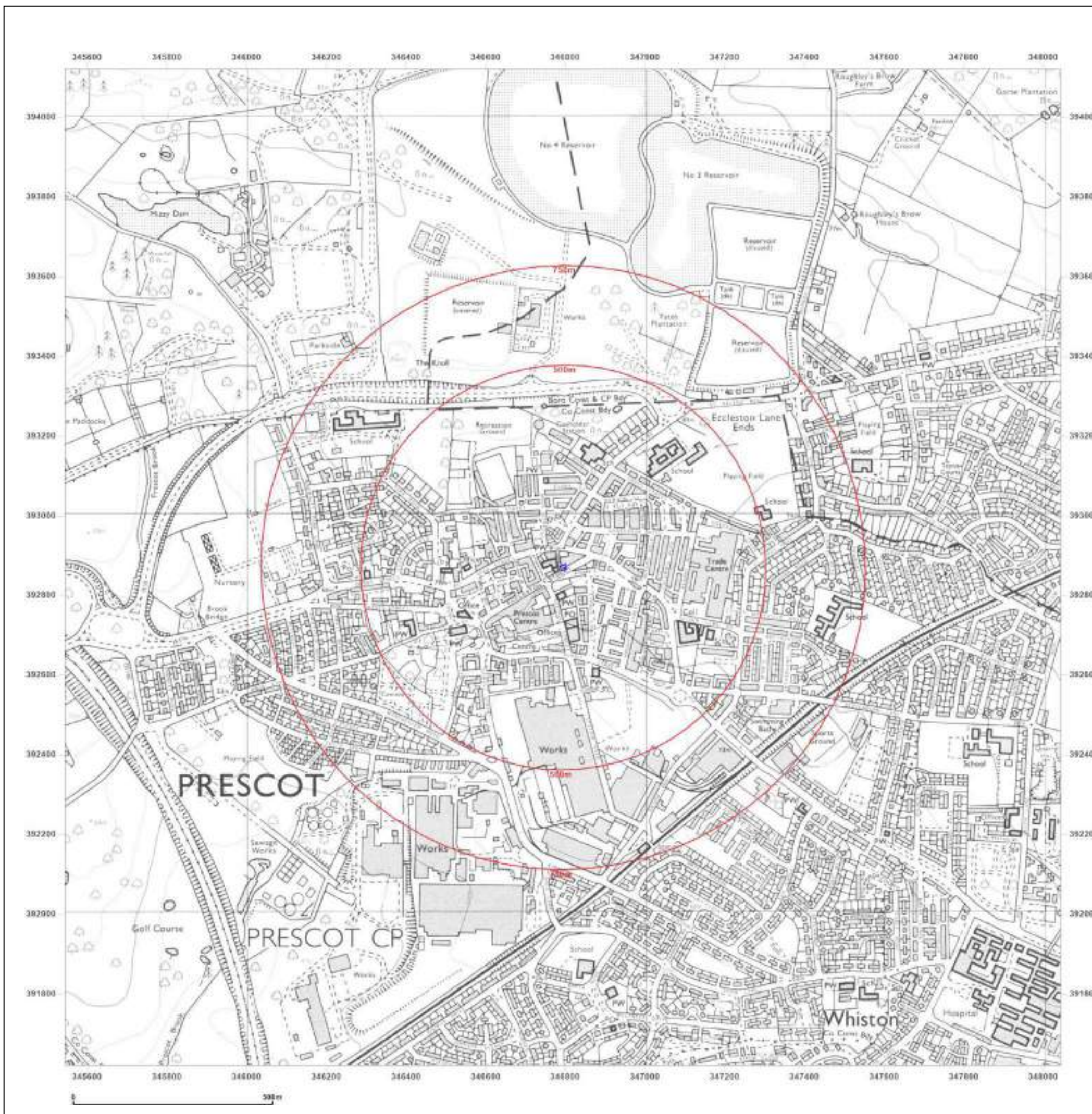


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Site Details:

2 - 4 Chapel Street, Prescott,
Knowsley, L34 5QH

Client Ref: 7868-23094-MLM
Report Ref: GS-6CA-DMT-GZ6-IS6
Grid Ref: 346793, 392870

Map Name: National Grid

Map date: 2001

Scale: 1:10,000

Printed at: 1:10,000

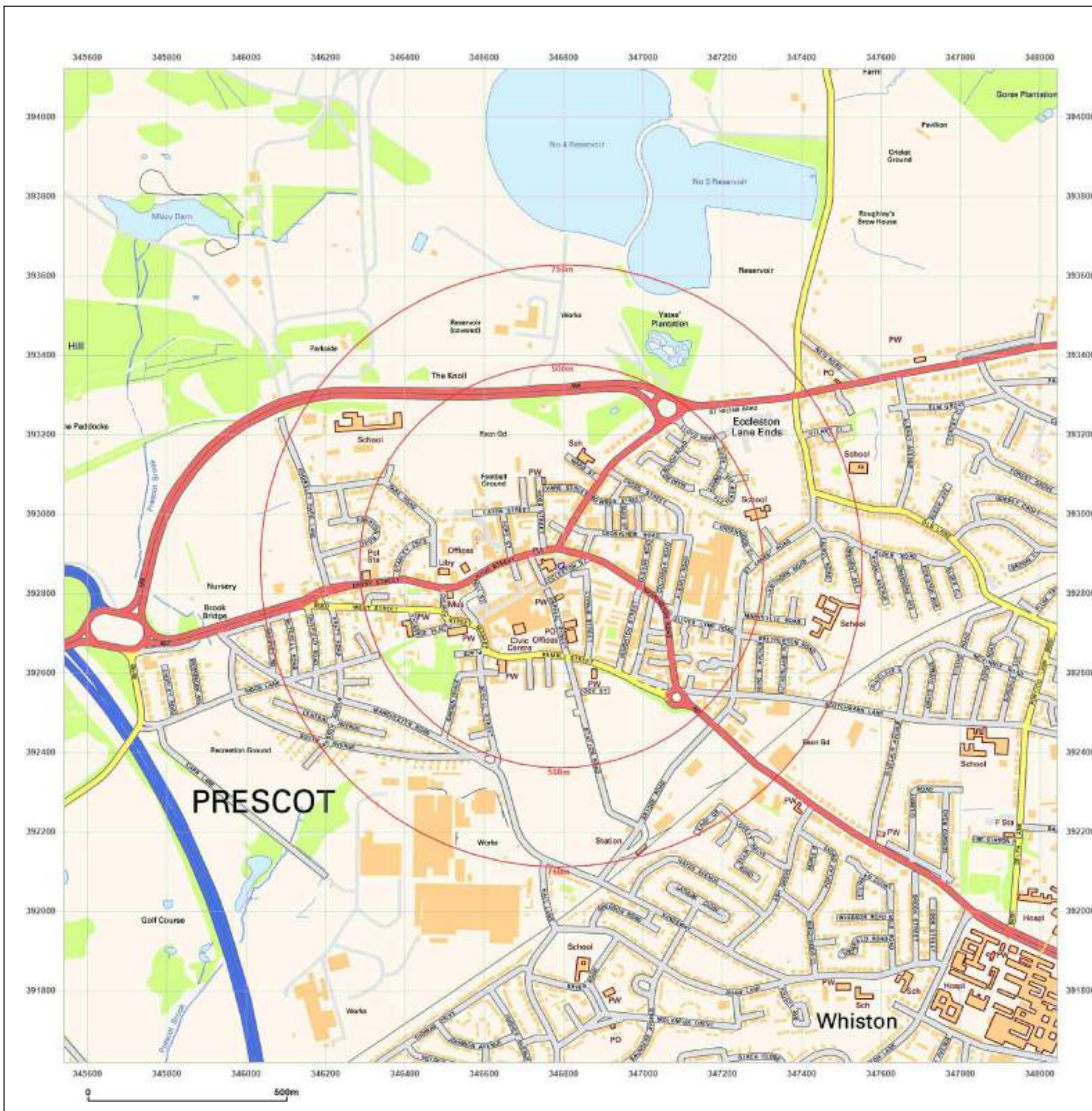


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Site Details:

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Client Ref: 7868-23094-MLM
Report Ref: GS-6CA-DMT-GZ6-IS6
Grid Ref: 346793, 392870

Map Name: National Grid

Map date: 2010

Scale: 1:10,000

Printed at: 1:10,000

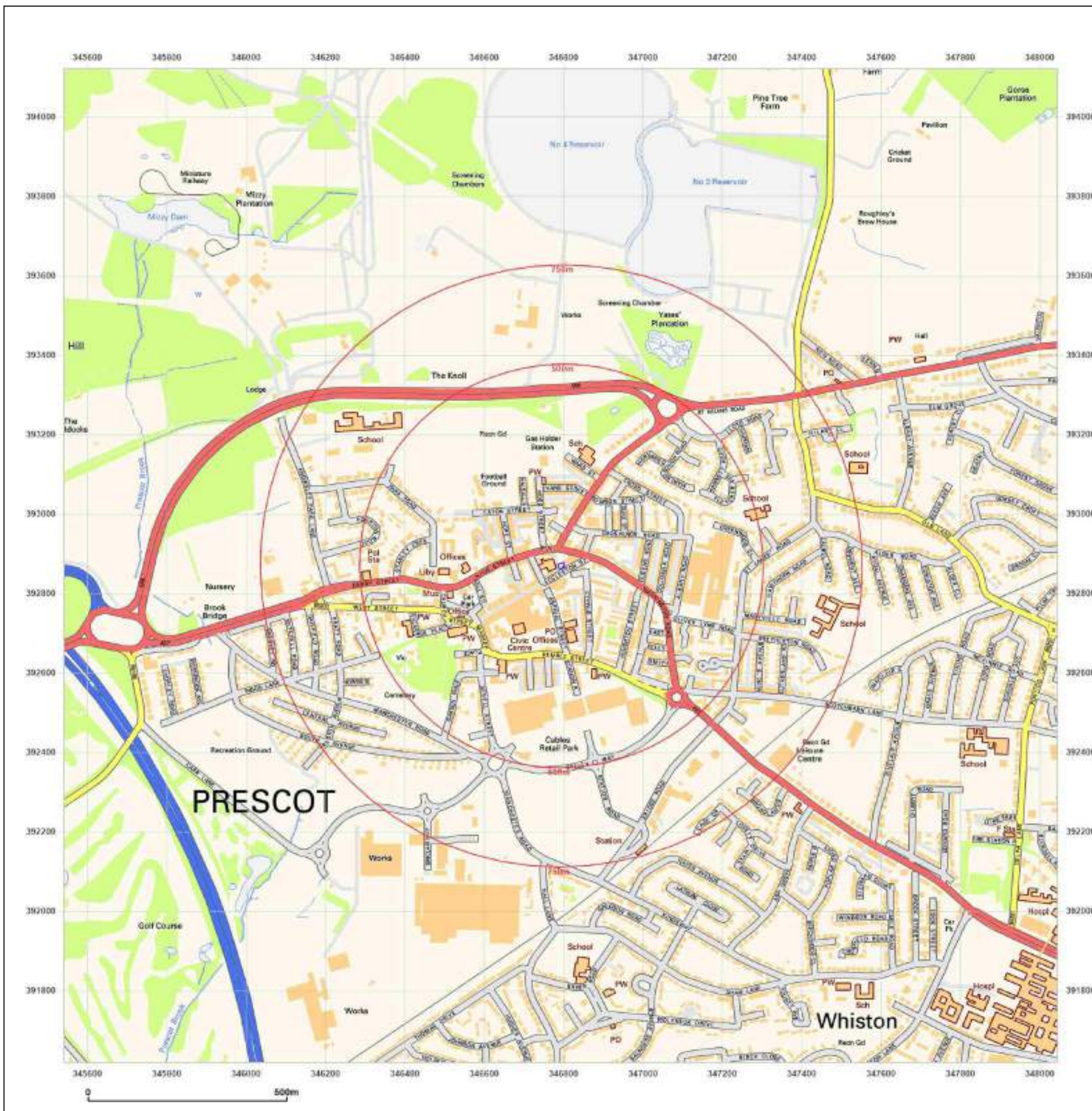


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Site Details:

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Client Ref: 7868-23094-MLM
Report Ref: GS-6CA-DMT-GZ6-IS6
Grid Ref: 346793, 392870

Map Name: National Grid

Map date: 2023

Scale: 1:10,000

Printed at: 1:10,000

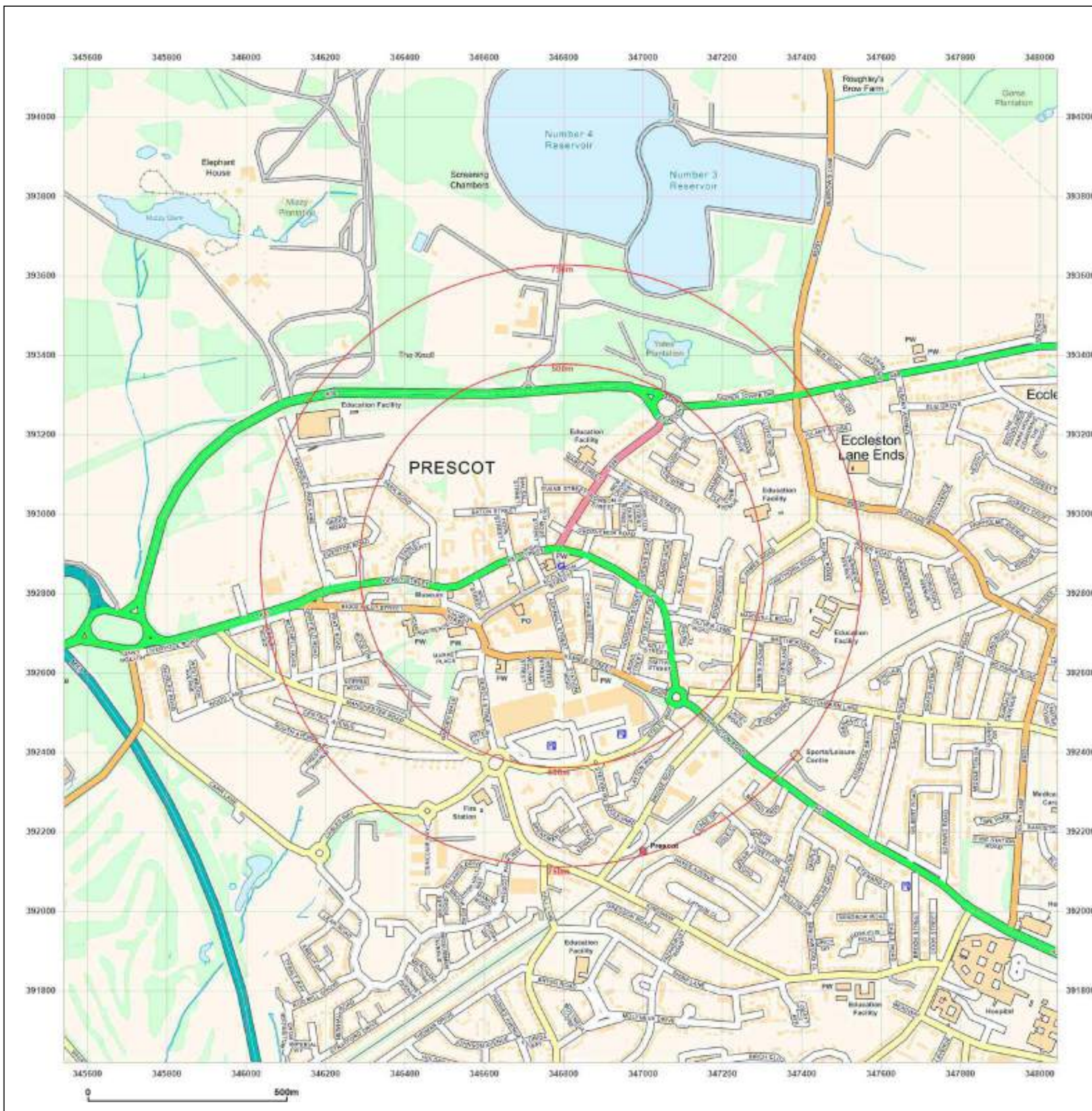


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Site Details:

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Knowsley, L34 5QH

Client Ref: 7868-23094-MLM
Report Ref: GS-6CA-DMT-GZ6-IS6
Grid Ref: 346793, 392870

Map Name: County Series

Map date: 1893

Scale: 1:2,500

Printed at: 1:2,500



Surveyed 1893
Revised 1893
Edition N/A
Copyright N/A
Levelled N/A

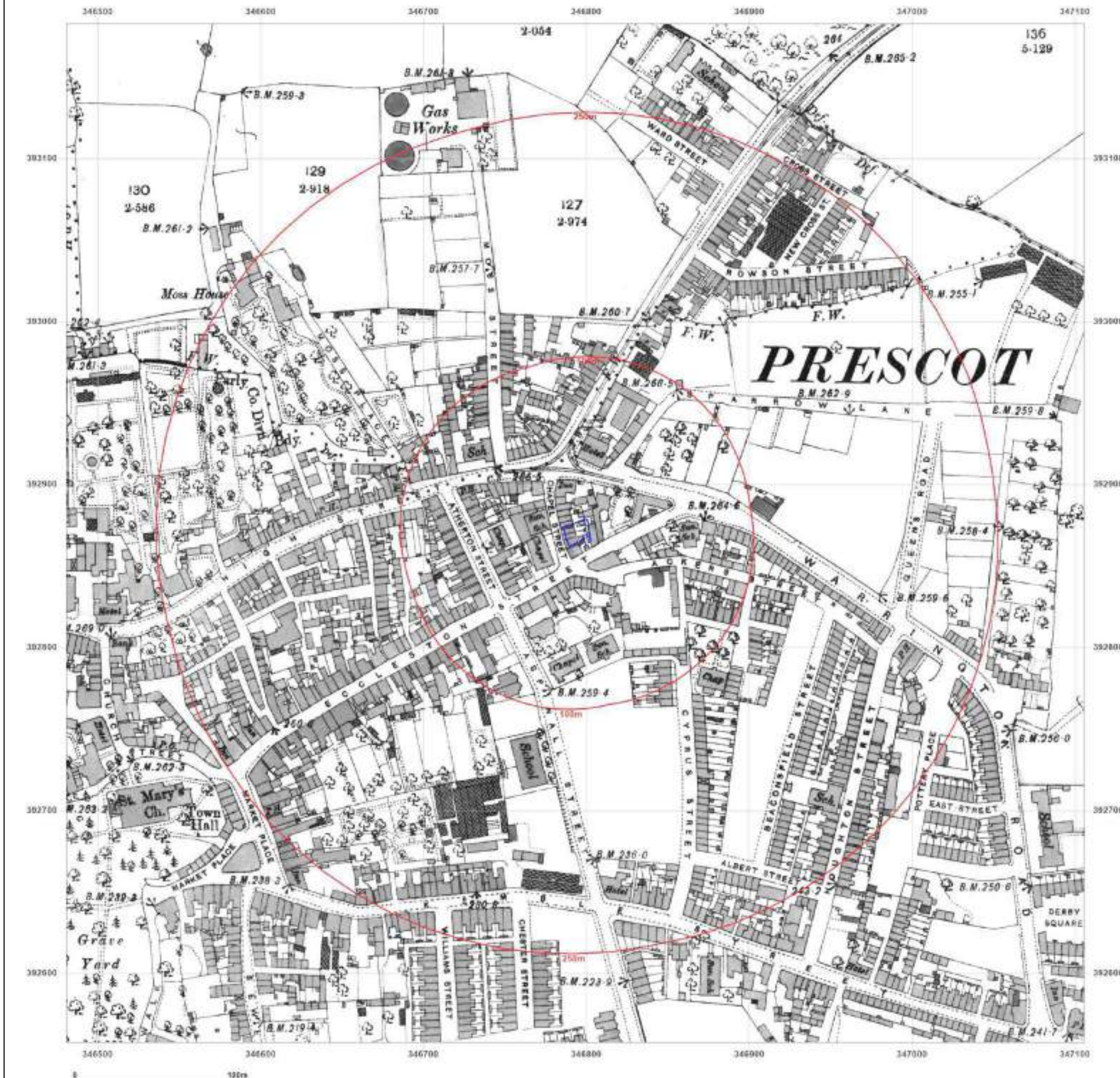


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Site Details:

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Client Ref: 7868-23094-MLM
Report Ref: GS-6CA-DMT-GZ6-IS6
Grid Ref: 346793, 392870

Map Name: County Series

Map date: 1908

Scale: 1:2,500

Printed at: 1:2,500



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

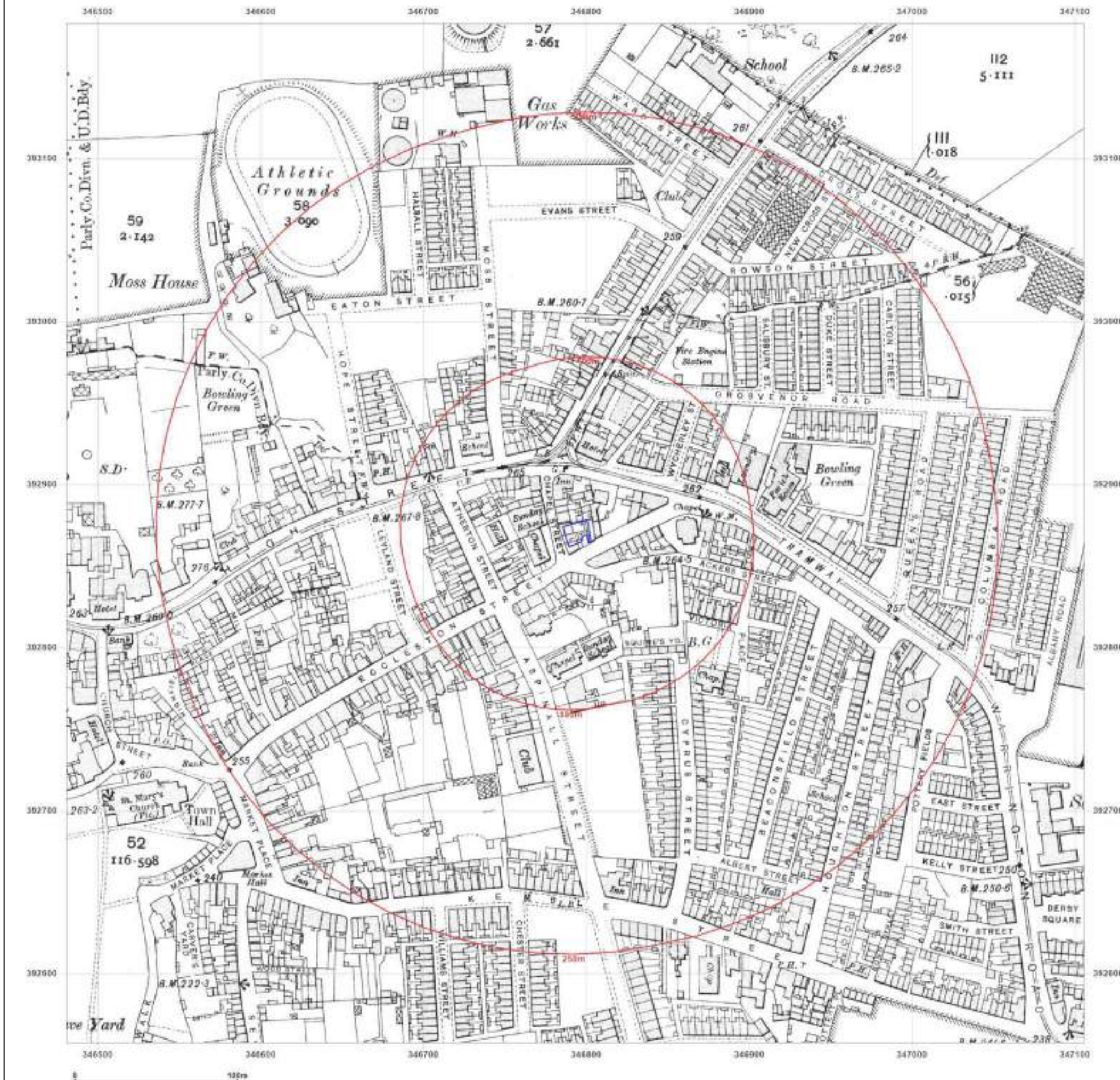


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Site Details:

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Knowsley, L34 5QH

Client Ref: 7868-23094-MLM
Report Ref: GS-6CA-DMT-GZ6-IS6
Grid Ref: 346793, 392870

Map Name: County Series

Map date: 1927

Scale: 1:2,500

Printed at: 1:2,500



Surveyed 1927
Revised 1927
Edition N/A
Copyright N/A
Levelled N/A

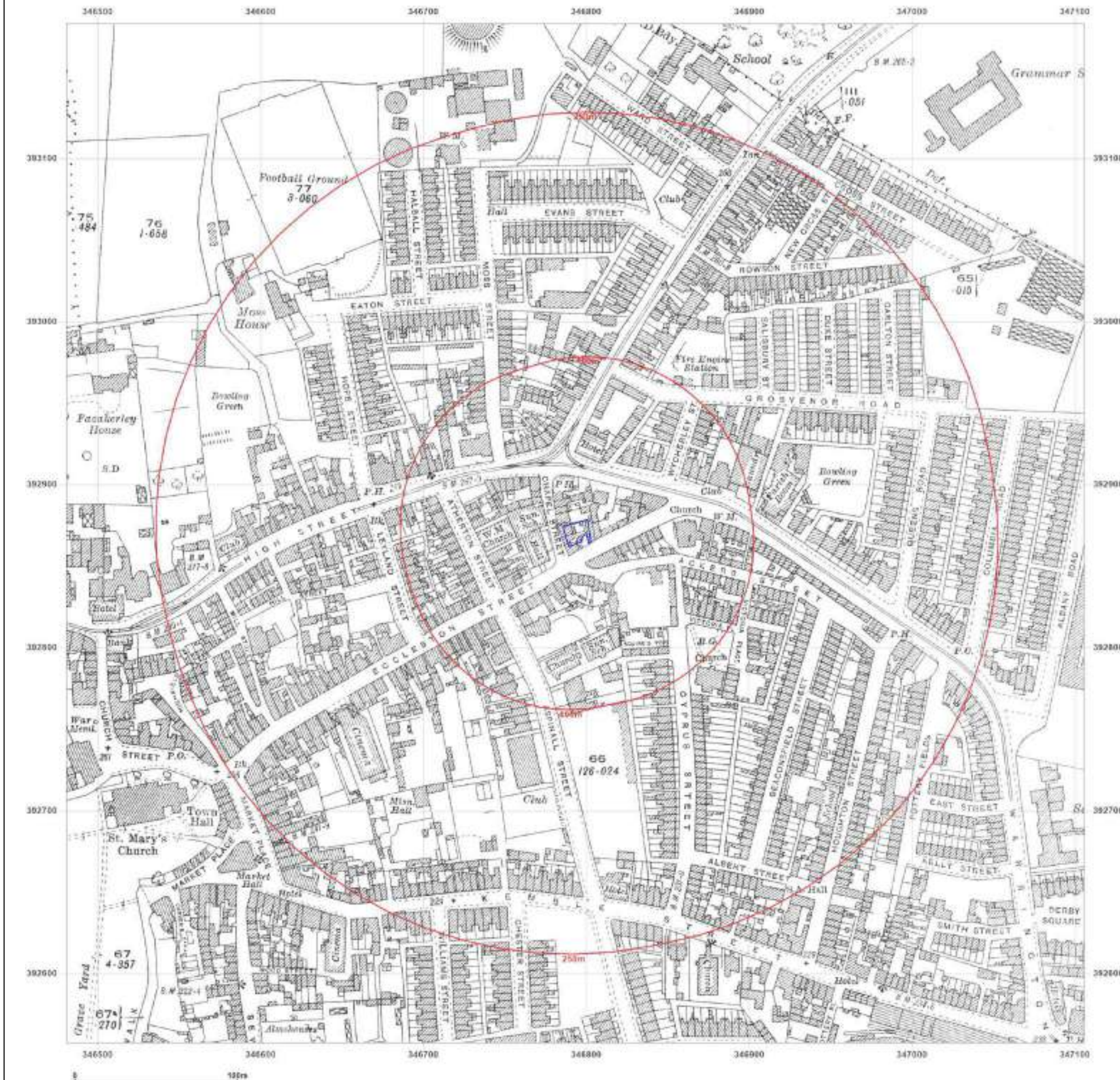


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Site Details:

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Knowsley, L34 5QH

Client Ref: 7868-23094-MLM
Report Ref: GS-6CA-DMT-GZ6-IS6
Grid Ref: 346793, 392870

Map Name: County Series

Map date: 1937

Scale: 1:2,500

Printed at: 1:2,500



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

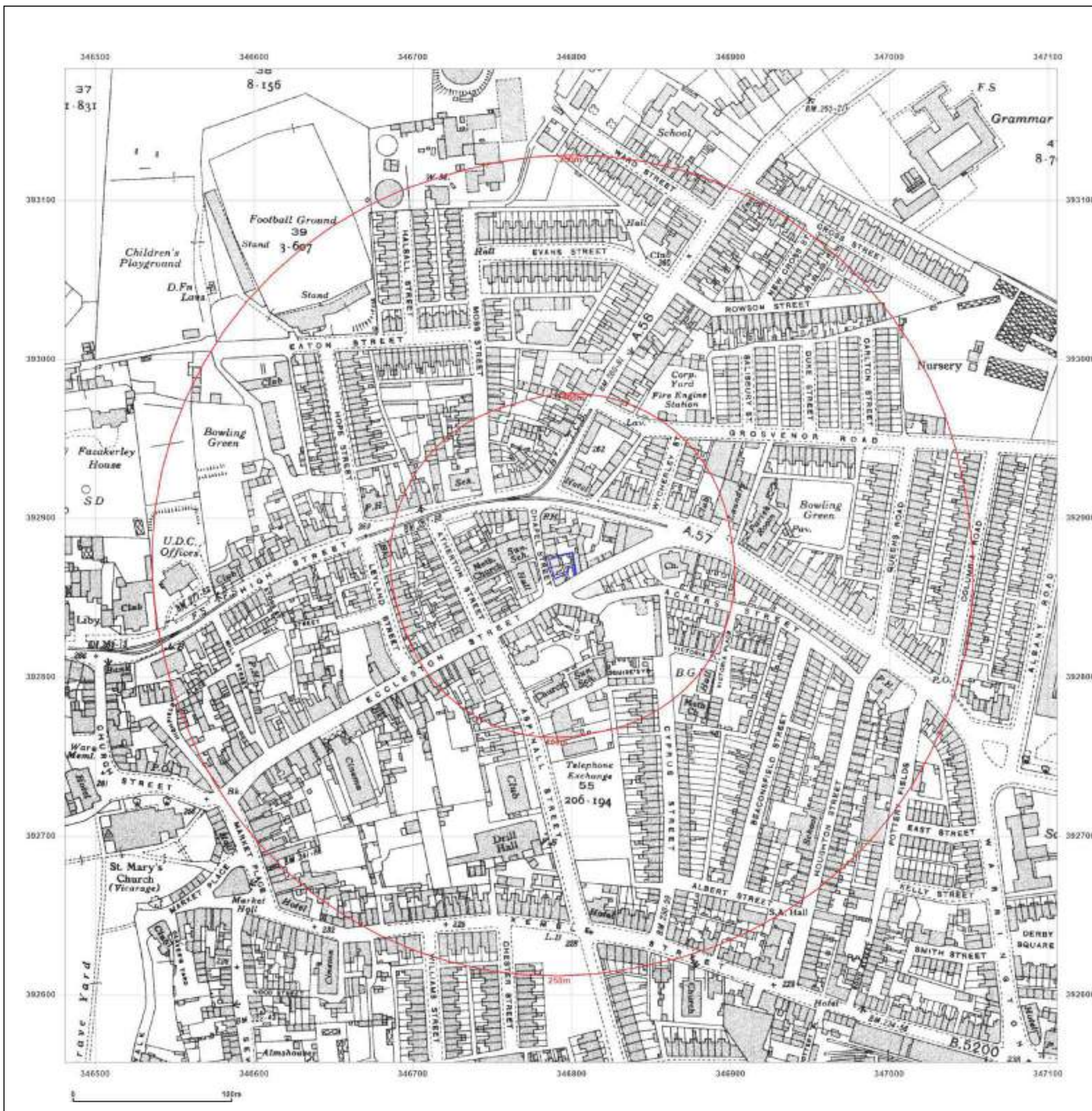


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Site Details:

2 - 4 Chapel Street, Prescott,
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Client Ref: 7868-23094-MLM
Report Ref: GS-6CA-DMT-GZ6-IS6
Grid Ref: 346793, 392870

Map Name: National Grid

Map date: 1954-1955

Scale: 1:1,250

Printed at: 1:2,000



Surveyed 1955
Revised 1955
Edition N/A
Copyright N/A
Levelled 1926

Surveyed 1955
Revised 1955
Edition N/A
Copyright N/A
Levelled 1926

Surveyed 1954
Revised 1954
Edition N/A
Copyright N/A
Levelled 1946

Surveyed 1954
Revised 1954
Edition N/A
Copyright N/A
Levelled 1946

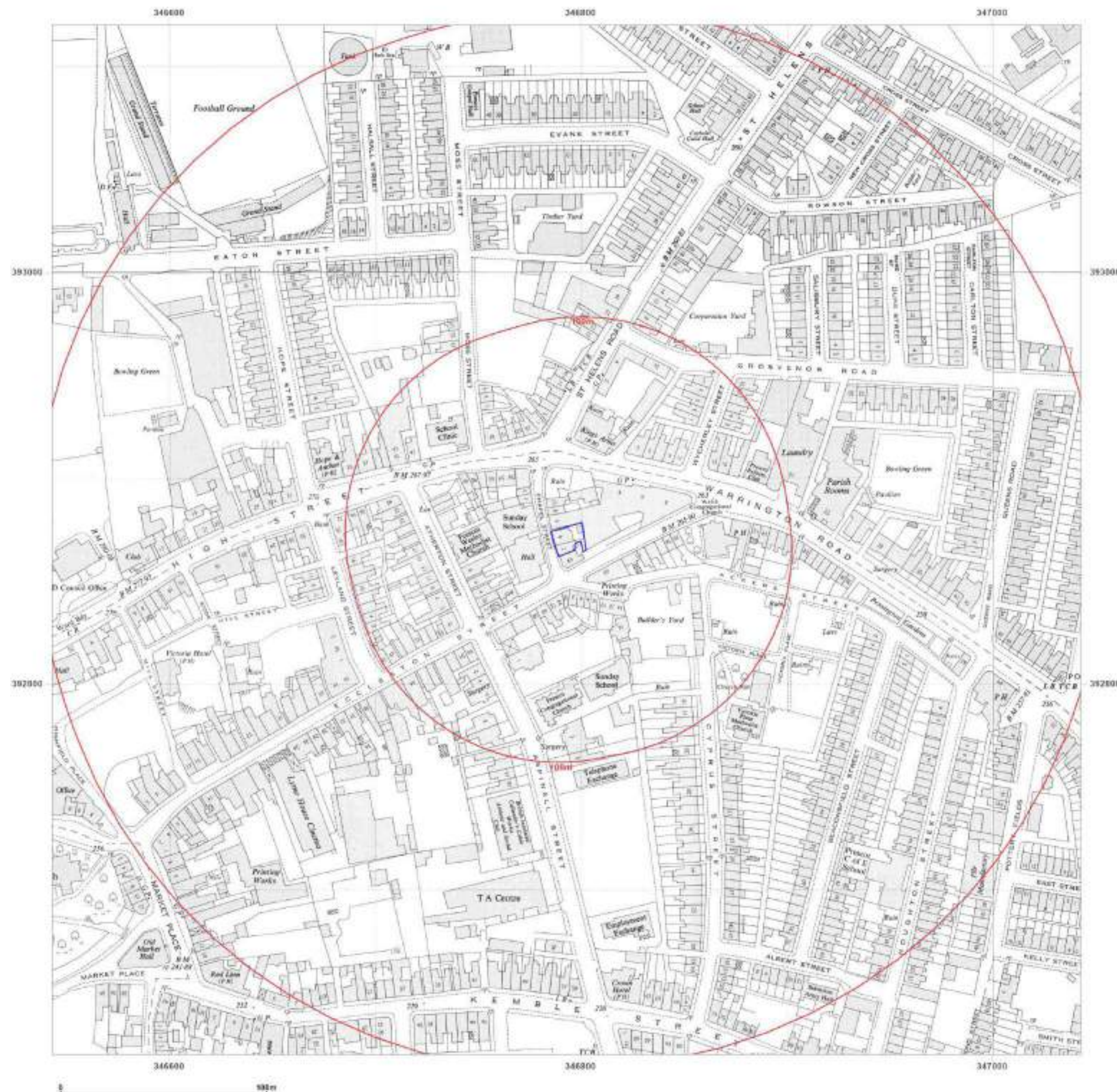


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Site Details:

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Client Ref: 7868-23094-MLM
Report Ref: GS-6CA-DMT-GZ6-IS6
Grid Ref: 346793, 392870

Map Name: National Grid

Map date: 1955-1956

Scale: 1:2,500

Printed at: 1:2,500



Surveyed 1955
Revised 1955
Edition 1956
Copyright N/A
Levelled 1926

Surveyed 1955
Revised 1955
Edition 1956
Copyright N/A
Levelled 1926

Surveyed 1954
Revised 1954
Edition 1955
Copyright N/A
Levelled 1946

Surveyed 1955
Revised 1955
Edition 1956
Copyright N/A
Levelled 1946

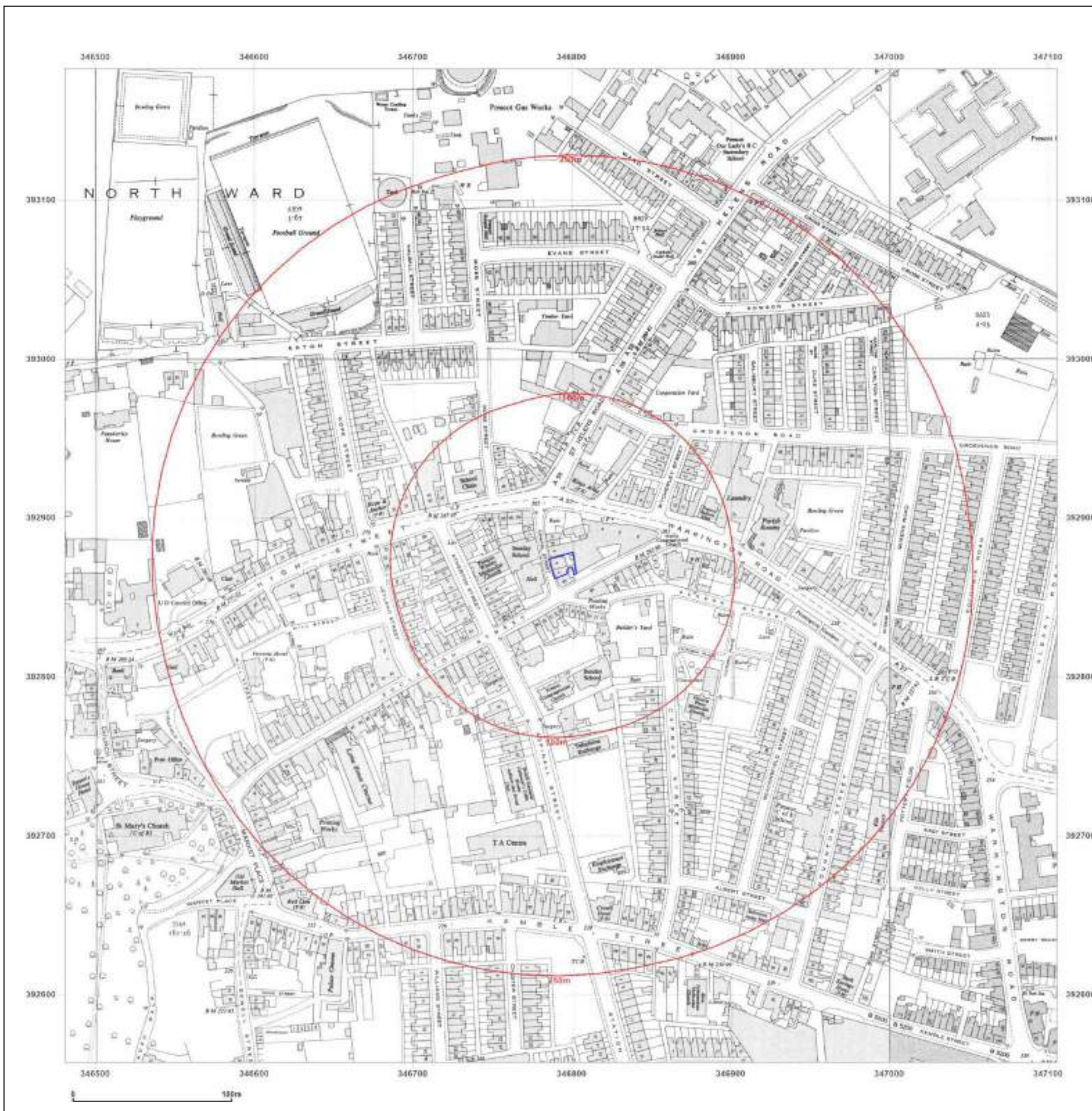


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Site Details:

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Client Ref: 7868-23094-MLM
Report Ref: GS-6CA-DMT-GZ6-IS6
Grid Ref: 346793, 392870

Map Name: National Grid

Map date: 1955-1957

Scale: 1:1,250

Printed at: 1:2,000



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

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

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

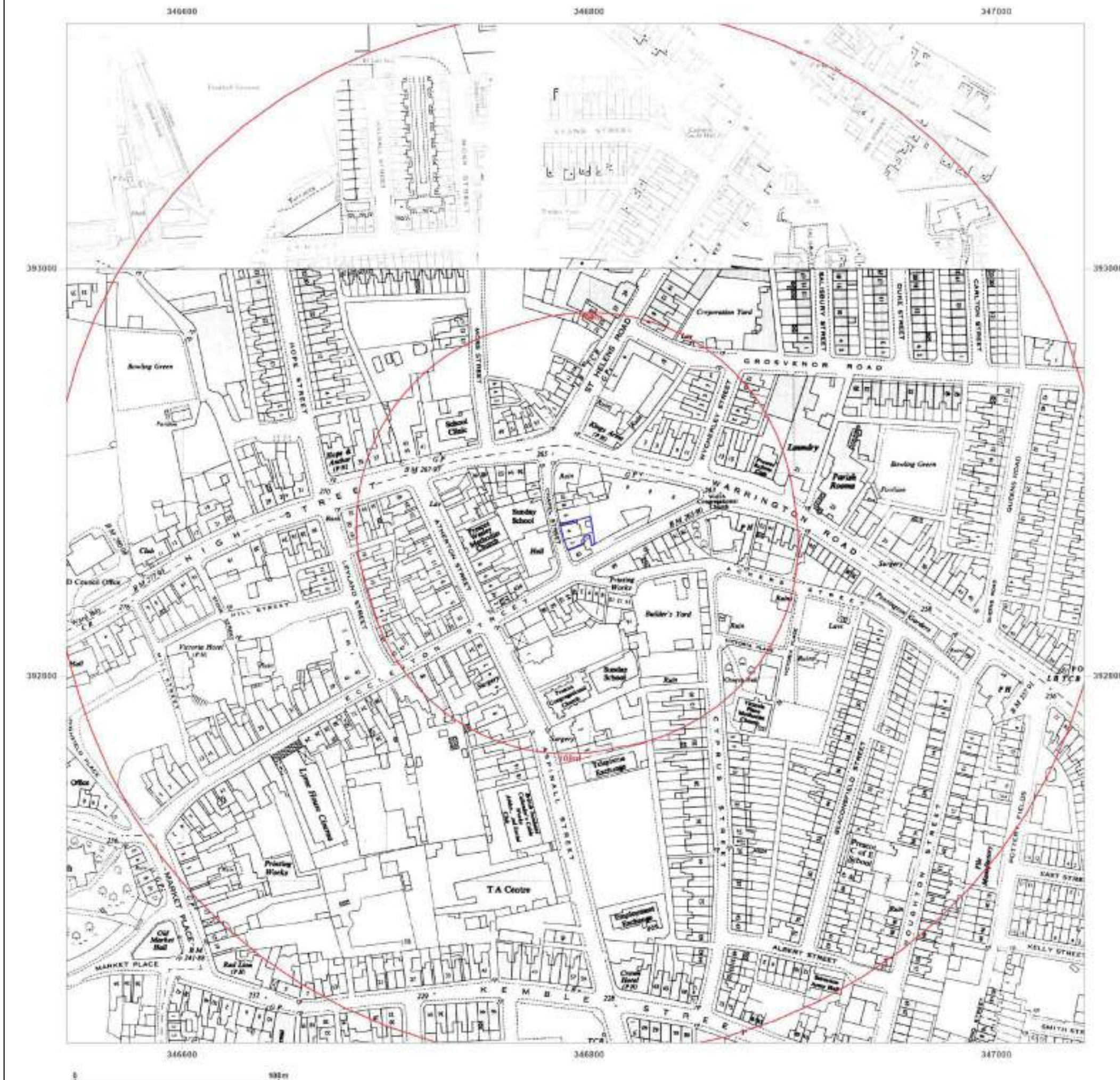


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Site Details:

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Knowsley, L34 5QH

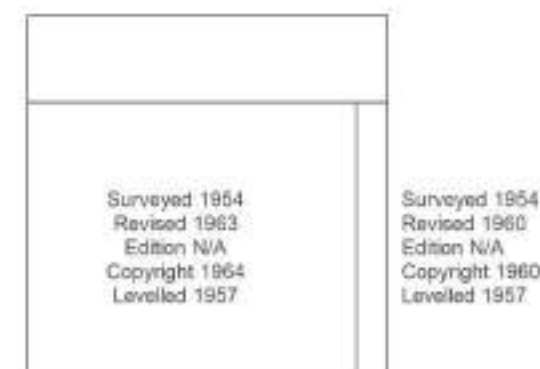
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Report Ref: GS-6CA-DMT-GZ6-IS6
Grid Ref: 346793, 392870

Map Name: National Grid

Map date: 1960-1964

Scale: 1:1,250

Printed at: 1:2,000

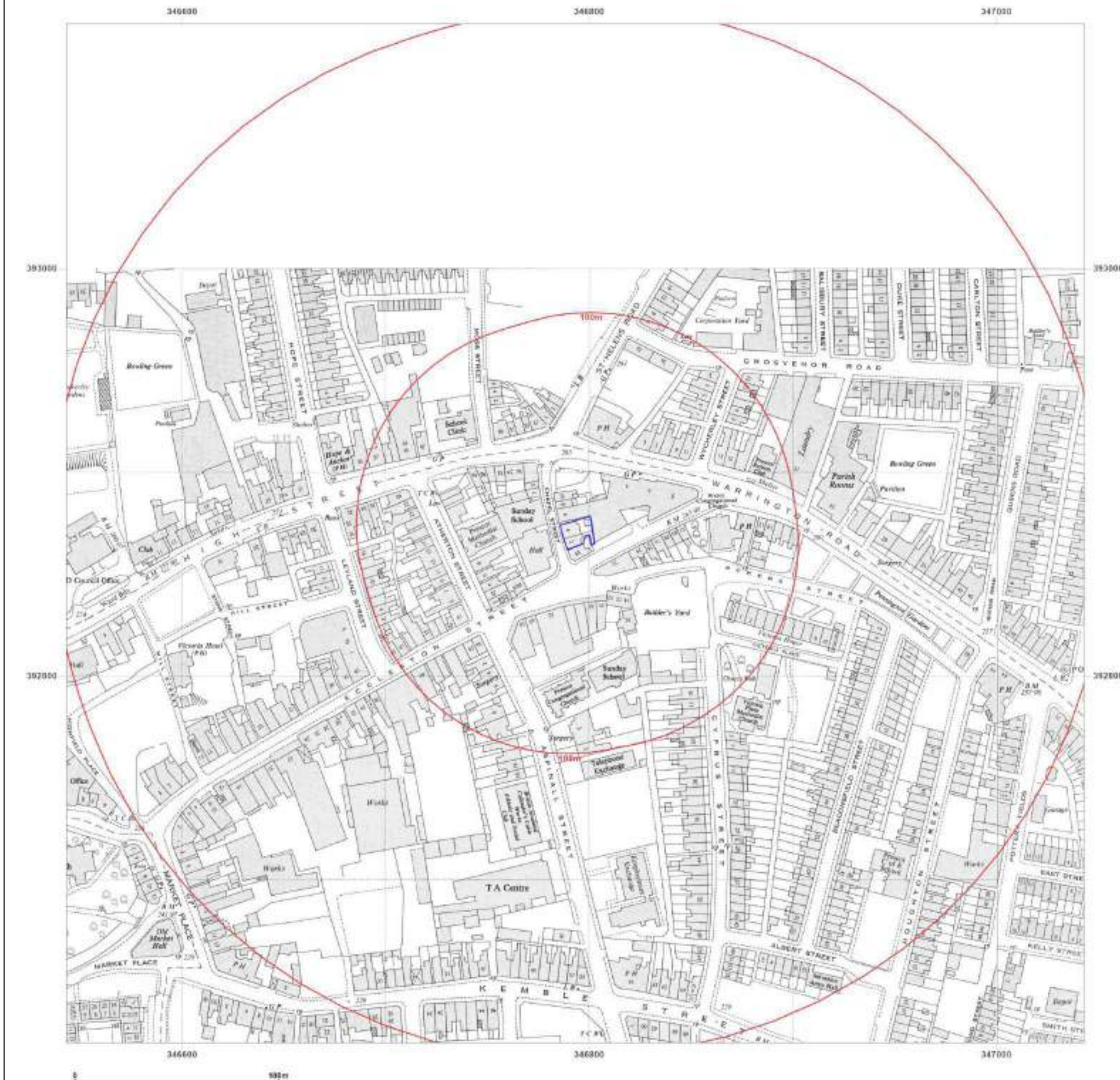


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Site Details:

2 - 4 Chapel Street, Prescot,
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Client Ref: 7868-23094-MLM
Report Ref: GS-6CA-DMT-GZ6-IS6
Grid Ref: 346793, 392870

Map Name: National Grid

Map date: 1964

Scale: 1:2,500

Printed at: 1:2,500



Surveyed 1963
Revised 1963
Edition 1964
Copyright 1984
Levelled N/A

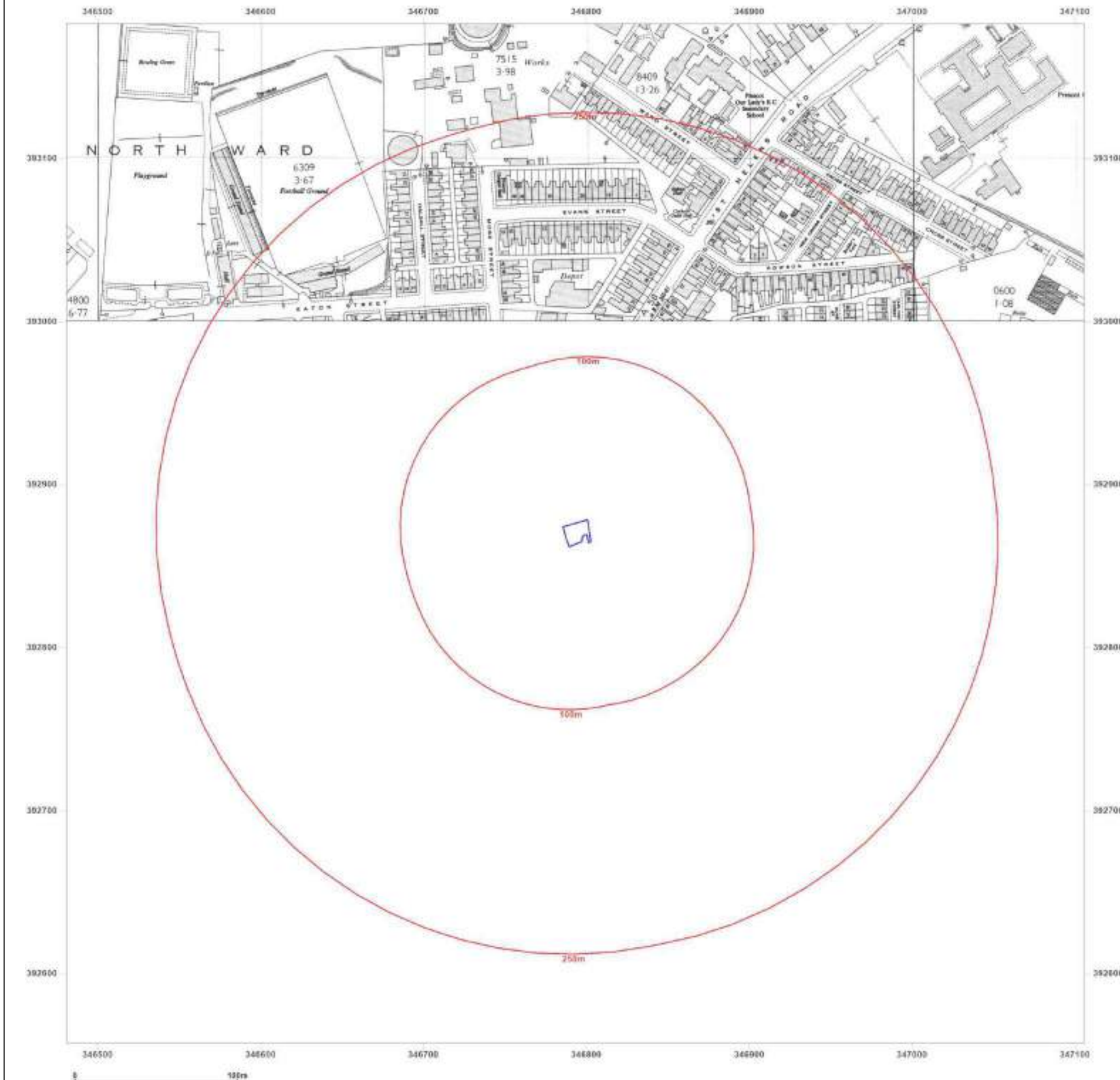


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Site Details:

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Knowsley, L34 5QH

Client Ref: 7868-23094-MLM
Report Ref: GS-6CA-DMT-GZ6-IS6
Grid Ref: 346793, 392870

Map Name: National Grid

Map date: 1972-1974

Scale: 1:1,250

Printed at: 1:2,000



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

Surveyed 1955
Revised 1972
Edition N/A
Copyright 1972
Levelled 1957

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

Surveyed 1954
Revised 1971
Edition N/A
Copyright 1972
Levelled 1957

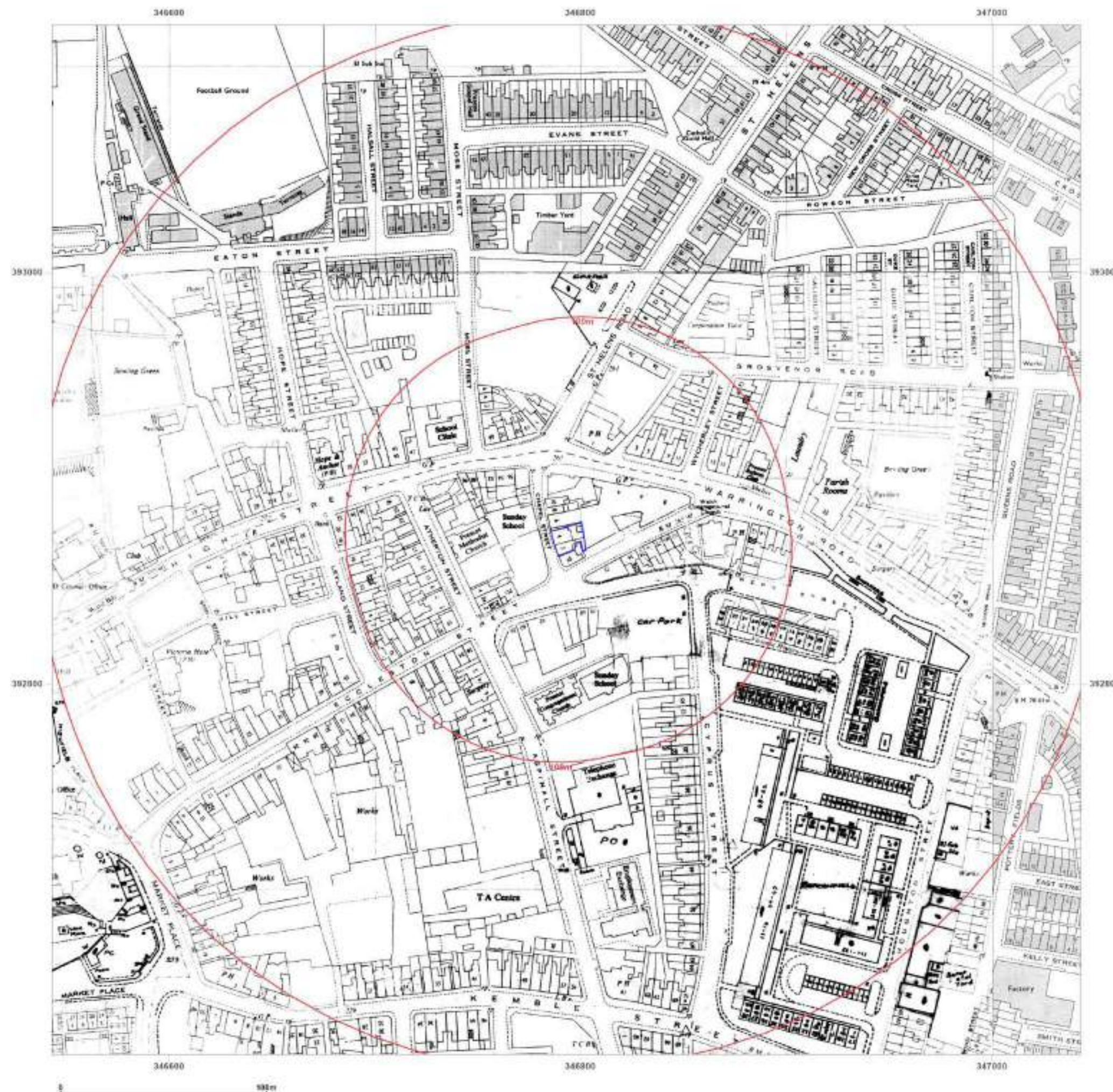


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Site Details:

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Knowsley, L34 5QH

Client Ref: 7868-23094-MLM
Report Ref: GS-6CA-DMT-GZ6-IS6
Grid Ref: 346793, 392870

Map Name: National Grid

Map date: 1974-1975

Scale: 1:1,250

Printed at: 1:2,000



Surveyed 1954
Revised 1974
Edition N/A
Copyright 1975
Levelled 1957

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

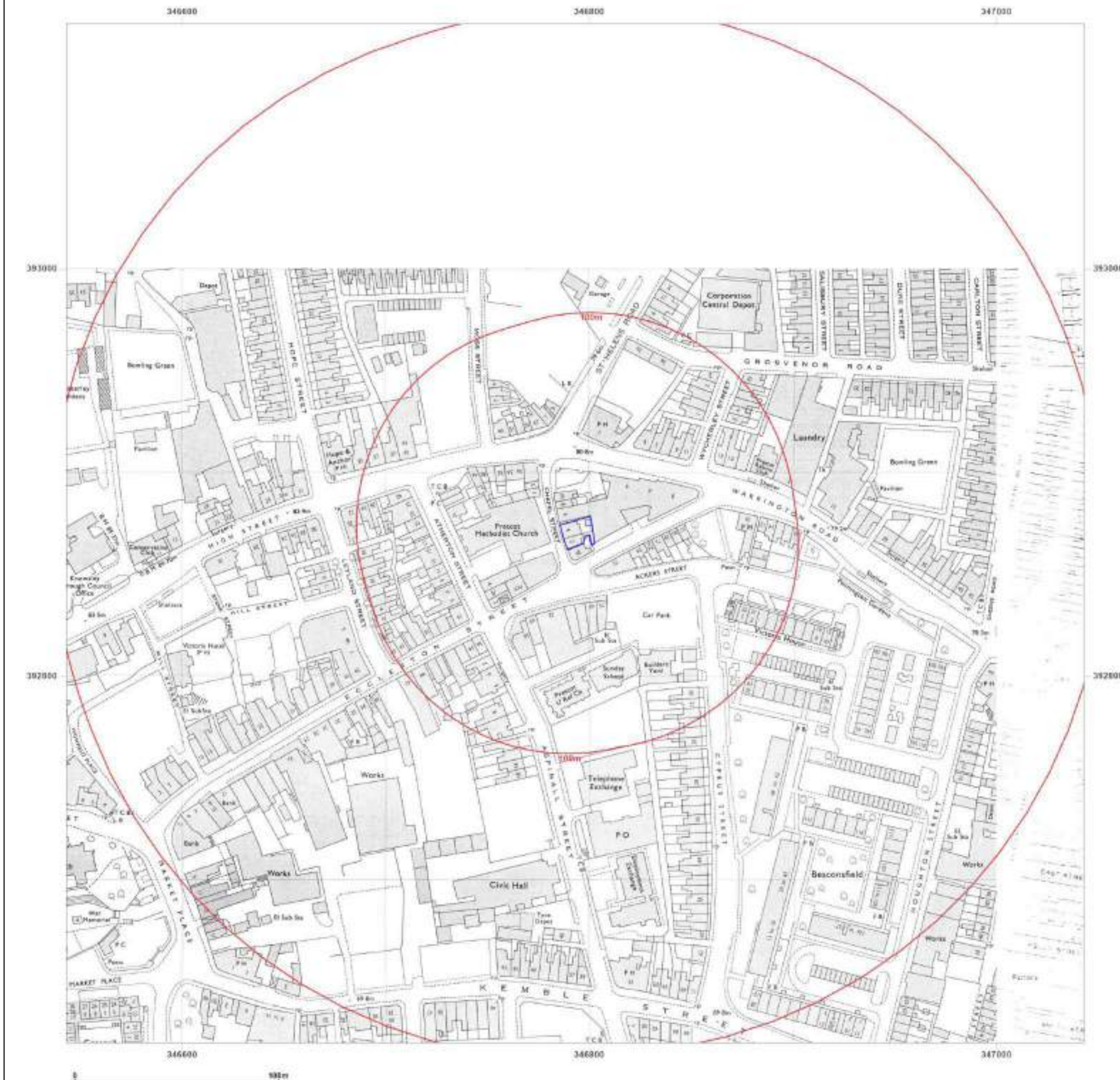


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Site Details:

2 - 4 Chapel Street, Prescott,
Knowsley, L34 5QH

Client Ref: 7868-23094-MLM
Report Ref: GS-6CA-DMT-GZ6-IS6
Grid Ref: 346793, 392870

Map Name: National Grid

Map date: 1984-1985

Scale: 1:1,250

Printed at: 1:2,000



Surveyed N/A
Revised N/A
Edition N/A
Copyright 1984
Levelled 1957

Surveyed 1957
Revised 1984
Edition N/A
Copyright 1984
Levelled 1957

Surveyed N/A
Revised N/A
Edition N/A
Copyright 1985
Levelled 1957

Surveyed 1957
Revised 1985
Edition N/A
Copyright 1985
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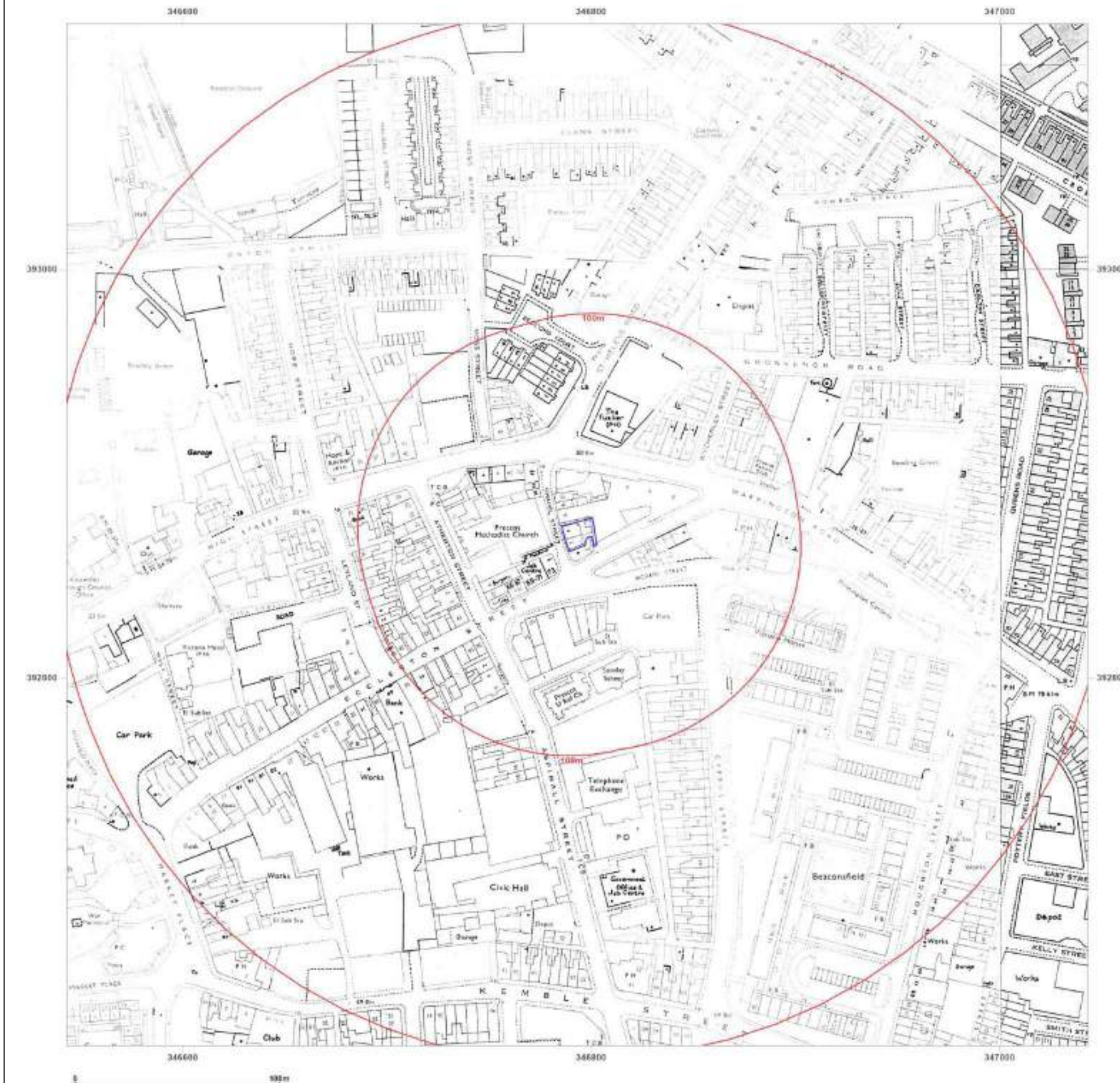


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Site Details:

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Client Ref: 7868-23094-MLM
Report Ref: GS-6CA-DMT-GZ6-IS6
Grid Ref: 346793, 392870

Map Name: National Grid

Map date: 1990-1993

Scale: 1:1,250

Printed at: 1:2,000



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

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

Surveyed N/A
Revised N/A
Edition N/A
Copyright 1990
Levelled 1957

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

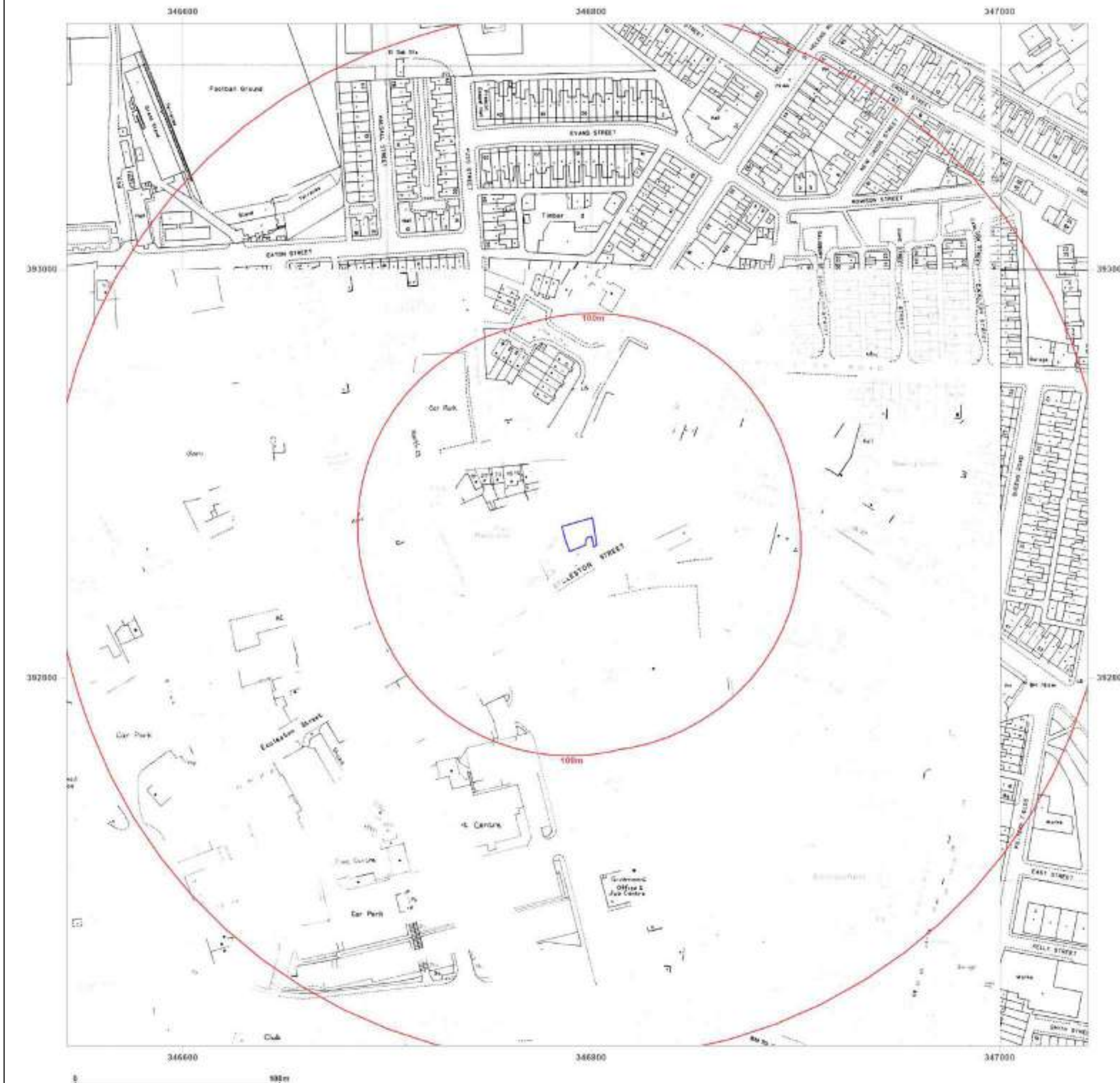


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Production date: 14 July 2023

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Site Details:

2 - 4 Chapel Street, Prescott,
Knowsley, L34 5QH

Client Ref: 7868-23094-MLM
Report Ref: GS-6CA-DMT-GZ6-IS6
Grid Ref: 346793, 392870

Map Name: National Grid

Map date: 1993-1994

Scale: 1:1,250

Printed at: 1:2,000



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Revised N/A
Edition N/A
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Edition N/A
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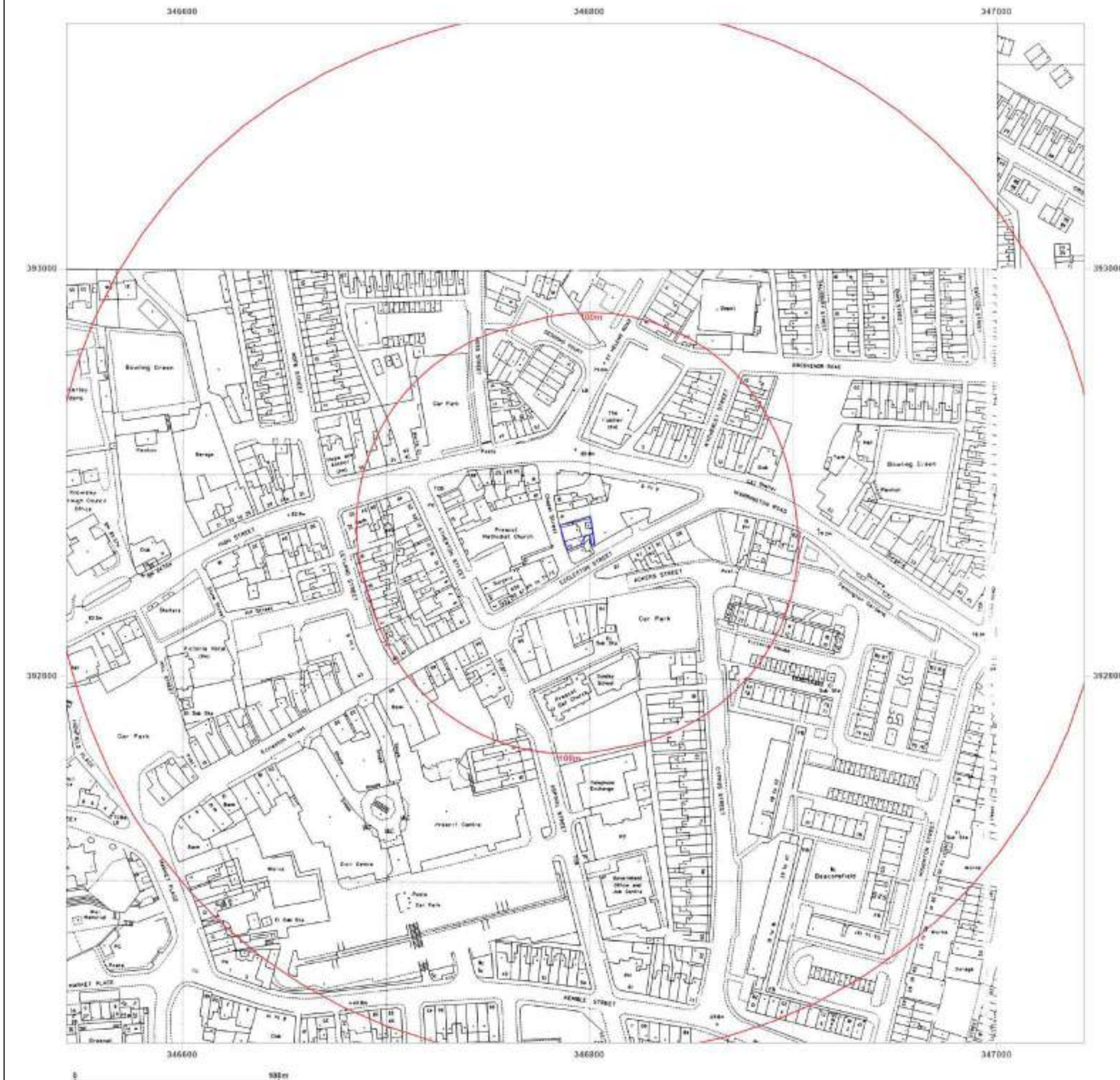


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Map Name: National Grid

Map date: 1994

Scale: 1:1,250

Printed at: 1:2,000



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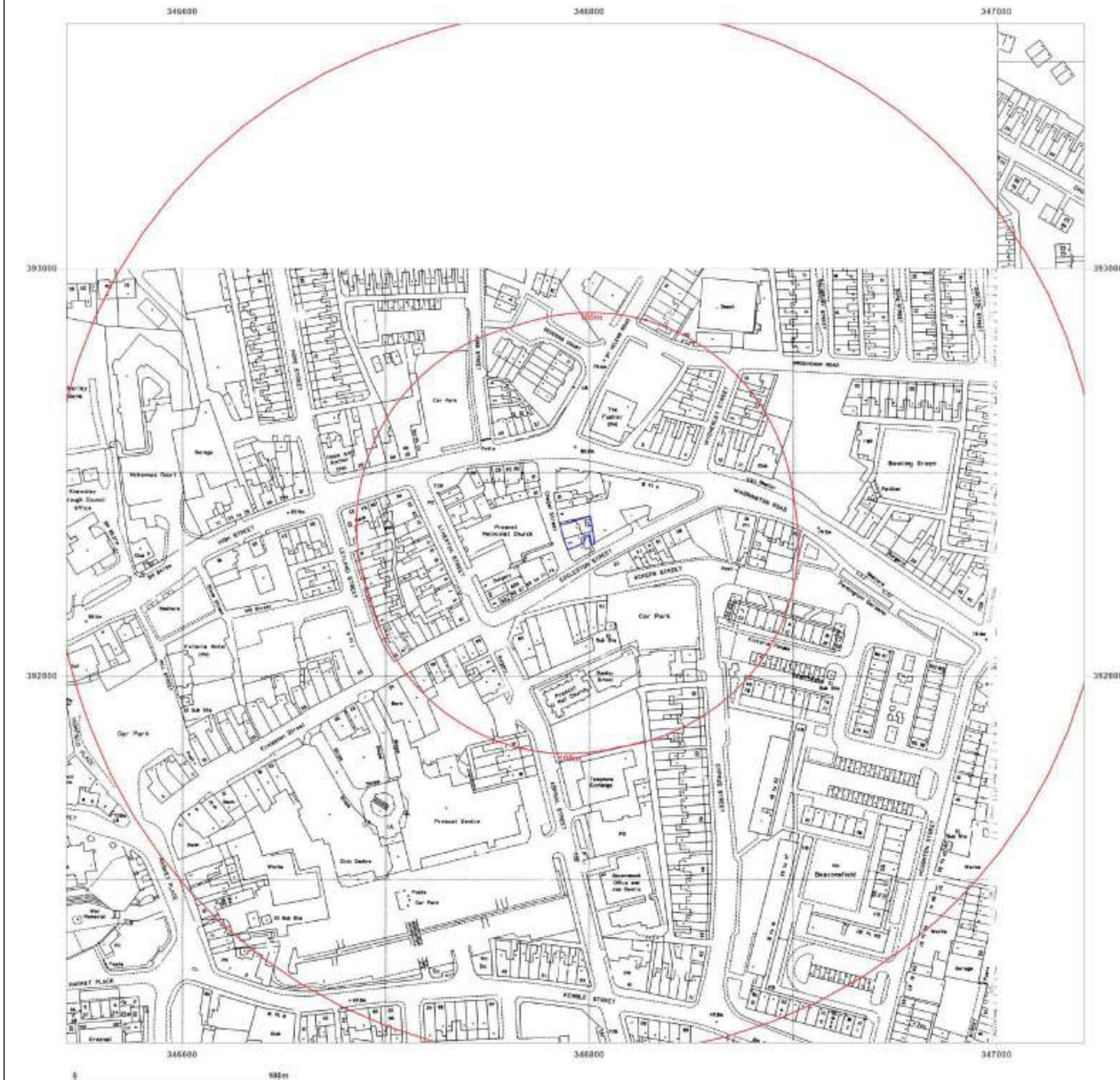


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Site Details:

2 - 4 Chapel Street, Prescott,
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Client Ref: 7868-23094-MLM
Report Ref: GS-6CA-DMT-GZ6-IS6
Grid Ref: 346793, 392870

Map Name: National Grid

Map date: 1994

Scale: 1:1,250

Printed at: 1:2,000



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Edition N/A
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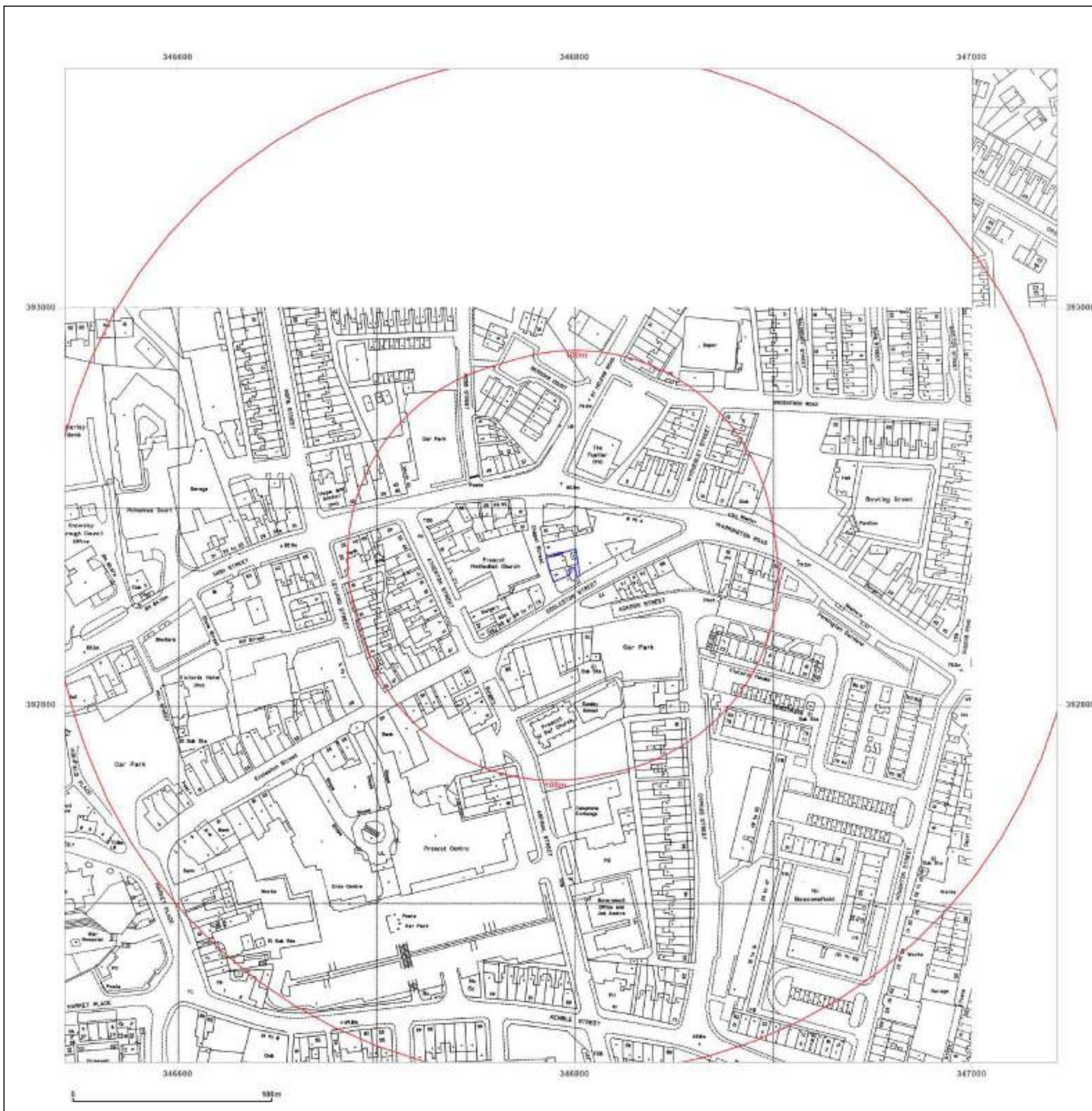


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Site Details:

2 - 4 Chapel Street, Prescott,
Knowsley, L34 5QH

Client Ref: 7868-23094-MLM
Report Ref: GS-6CA-DMT-GZ6-IS6
Grid Ref: 346793, 392870

Map Name: National Grid

Map date: 1990-1994

Scale: 1:1,250

Printed at: 1:2,000



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Revised 1990
Edition N/A
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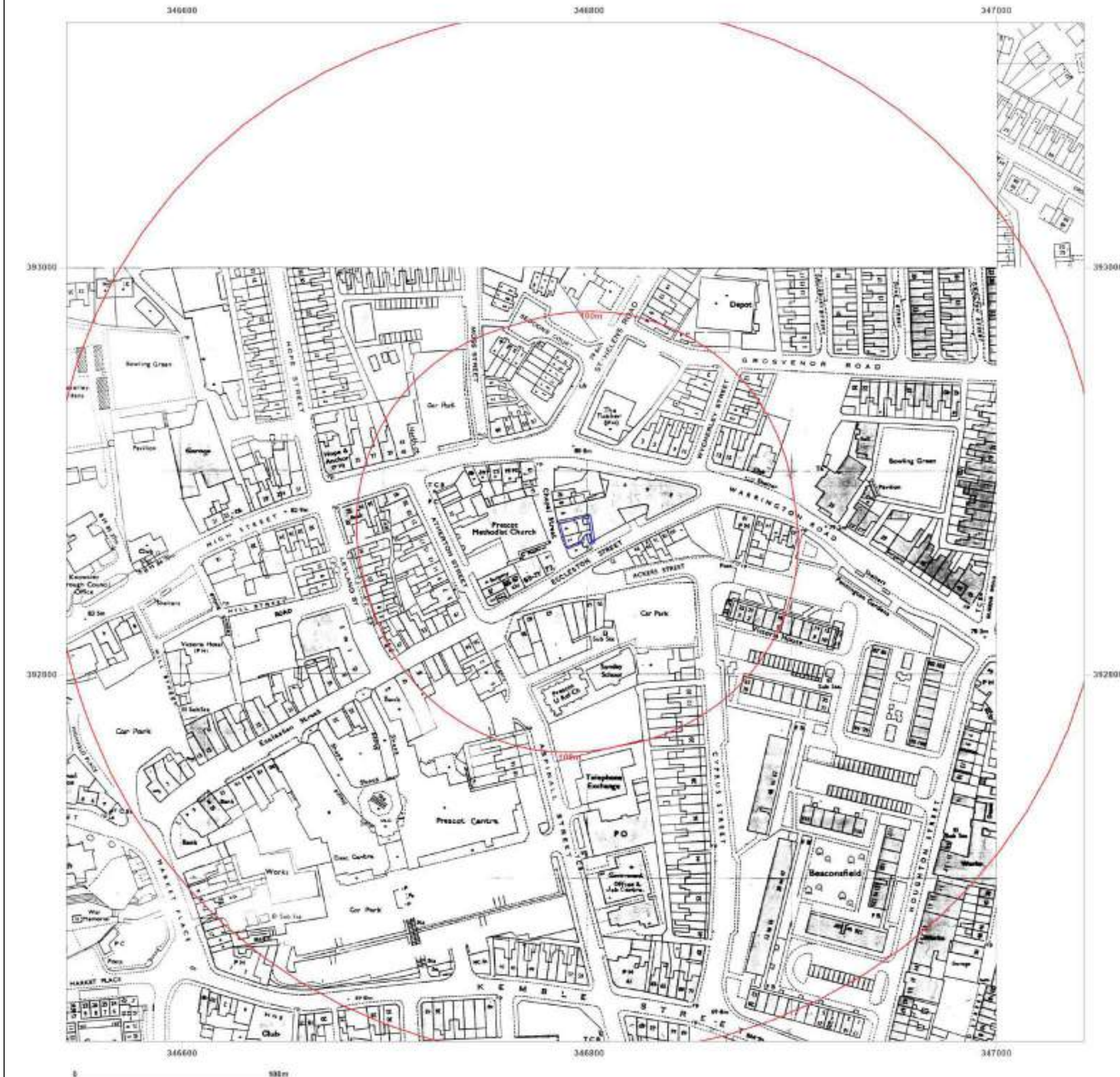


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Site Details:

2 - 4 Chapel Street, Prescott,
Knowsley, L34 5QH

Client Ref: 7868-23094-MLM
Report Ref: GS-6CA-DMT-GZ6-IS6
Grid Ref: 346793, 392870

Map Name: LandLine

Map date: 2003

Scale: 1:1,250

Printed at: 1:1,250



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Production date: 14 July 2023

Map legend available at:
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APPENDIX B

Enviro & Geo Insight Report

2 - 4 Chapel Street, Prescot, Knowsley, L34 5QH

Order Details

Date: 14/07/2023
Your ref: 7868-23094-MLM
Our Ref: GS-3LK-78J-UZG-N1P

Site Details

Location: 346794 392870
Area: 0.02 ha
Authority: [Knowsley Metropolitan Borough Council](#) ↗



Summary of findings

[p. 2 >](#) **Aerial image**

[p. 9 >](#)

OS MasterMap site plan

[p.13 >](#) groundsure.com/insightuserguide ↗

Contact us with any questions at:

info@groundsure.com ↗

01273 257 755

Summary of findings

Page	Section	Past land use >	On site	0-50m	50-250m	250-500m	500-2000m
14 >	1.1 >	Historical industrial land uses >	0	0	21	76	-
18 >	1.2 >	Historical tanks >	0	0	11	39	-
20 >	1.3 >	Historical energy features >	0	2	13	19	-
22	1.4	Historical petrol stations	0	0	0	0	-
22 >	1.5 >	Historical garages >	0	0	7	7	-
23	1.6	Historical military land	0	0	0	0	-
Page	Section	Past land use - un-grouped >	On site	0-50m	50-250m	250-500m	500-2000m
24 >	2.1 >	Historical industrial land uses >	0	0	27	95	-
29 >	2.2 >	Historical tanks >	0	0	19	67	-
32 >	2.3 >	Historical energy features >	0	4	37	45	-
36	2.4	Historical petrol stations	0	0	0	0	-
36 >	2.5 >	Historical garages >	0	0	11	12	-
Page	Section	Waste and landfill >	On site	0-50m	50-250m	250-500m	500-2000m
38	3.1	Active or recent landfill	0	0	0	0	-
38	3.2	Historical landfill (BGS records)	0	0	0	0	-
39	3.3	Historical landfill (LA/mapping records)	0	0	0	0	-
39	3.4	Historical landfill (EA/NRW records)	0	0	0	0	-
39	3.5	Historical waste sites	0	0	0	0	-
39	3.6	Licensed waste sites	0	0	0	0	-
39 >	3.7 >	Waste exemptions >	0	0	2	4	-
Page	Section	Current industrial land use >	On site	0-50m	50-250m	250-500m	500-2000m
41 >	4.1 >	Recent industrial land uses >	0	1	18	-	-
43 >	4.2 >	Current or recent petrol stations >	0	0	1	0	-
43	4.3	Electricity cables	0	0	0	0	-
43	4.4	Gas pipelines	0	0	0	0	-
43	4.5	Sites determined as Contaminated Land	0	0	0	0	-



43 >	4.6 >	<u>Control of Major Accident Hazards (COMAH) ></u>	0	0	1	0	-
44	4.7	Regulated explosive sites	0	0	0	0	-
44	4.8	Hazardous substance storage/usage	0	0	0	0	-
44	4.9	Historical licensed industrial activities (IPC)	0	0	0	0	-
44	4.10	Licensed industrial activities (Part A(1))	0	0	0	0	-
45 >	4.11 >	<u>Licensed pollutant release (Part A(2)/B) ></u>	0	0	3	0	-
45	4.12	Radioactive Substance Authorisations	0	0	0	0	-
45	4.13	Licensed Discharges to controlled waters	0	0	0	0	-
46	4.14	Pollutant release to surface waters (Red List)	0	0	0	0	-
46	4.15	Pollutant release to public sewer	0	0	0	0	-
46	4.16	List 1 Dangerous Substances	0	0	0	0	-
46	4.17	List 2 Dangerous Substances	0	0	0	0	-
46	4.18	Pollution Incidents (EA/NRW)	0	0	0	0	-
47	4.19	Pollution inventory substances	0	0	0	0	-
47	4.20	Pollution inventory waste transfers	0	0	0	0	-
47	4.21	Pollution inventory radioactive waste	0	0	0	0	-
Page	Section	<u>Hydrogeology ></u>	On site	0-50m	50-250m	250-500m	500-2000m
48 >	5.1 >	<u>Superficial aquifer ></u>	Identified (within 500m)				
50 >	5.2 >	<u>Bedrock aquifer ></u>	Identified (within 500m)				
51 >	5.3 >	<u>Groundwater vulnerability ></u>	Identified (within 50m)				
52	5.4	Groundwater vulnerability- soluble rock risk	None (within 0m)				
52	5.5	Groundwater vulnerability- local information	None (within 0m)				
53 >	5.6 >	<u>Groundwater abstractions ></u>	0	0	0	0	9
56 >	5.7 >	<u>Surface water abstractions ></u>	0	0	0	0	2
56 >	5.8 >	<u>Potable abstractions ></u>	0	0	0	0	3
57	5.9	Source Protection Zones	0	0	0	0	-
58	5.10	Source Protection Zones (confined aquifer)	0	0	0	0	-
Page	Section	<u>Hydrology ></u>	On site	0-50m	50-250m	250-500m	500-2000m
59	6.1	Water Network (OS MasterMap)	0	0	0	-	-



59	6.2	Surface water features	0	0	0	-	-
60 >	6.3 >	WFD Surface water body catchments >	1	-	-	-	-
60 >	6.4 >	WFD Surface water bodies >	0	0	0	-	-
61 >	6.5 >	WFD Groundwater bodies >	1	-	-	-	-
Page	Section	River and coastal flooding	On site	0-50m	50-250m	250-500m	500-2000m
62	7.1	Risk of flooding from rivers and the sea	None (within 50m)				
62	7.2	Historical Flood Events	0	0	0	-	-
62	7.3	Flood Defences	0	0	0	-	-
63	7.4	Areas Benefiting from Flood Defences	0	0	0	-	-
63	7.5	Flood Storage Areas	0	0	0	-	-
64	7.6	Flood Zone 2	None (within 50m)				
64	7.7	Flood Zone 3	None (within 50m)				
Page	Section	Surface water flooding					
65	8.1	Surface water flooding	Negligible (within 50m)				
Page	Section	Groundwater flooding >					
66 >	9.1 >	Groundwater flooding >	Negligible (within 50m)				
Page	Section	Environmental designations >	On site	0-50m	50-250m	250-500m	500-2000m
67	10.1	Sites of Special Scientific Interest (SSSI)	0	0	0	0	0
68	10.2	Conserved wetland sites (Ramsar sites)	0	0	0	0	0
68	10.3	Special Areas of Conservation (SAC)	0	0	0	0	0
68	10.4	Special Protection Areas (SPA)	0	0	0	0	0
68	10.5	National Nature Reserves (NNR)	0	0	0	0	0
69	10.6	Local Nature Reserves (LNR)	0	0	0	0	0
69	10.7	Designated Ancient Woodland	0	0	0	0	0
69	10.8	Biosphere Reserves	0	0	0	0	0
69	10.9	Forest Parks	0	0	0	0	0
70	10.10	Marine Conservation Zones	0	0	0	0	0
70 >	10.11 >	Green Belt >	0	0	0	1	3
70	10.12	Proposed Ramsar sites	0	0	0	0	0



70	10.13	Possible Special Areas of Conservation (pSAC)	0	0	0	0	0
71	10.14	Potential Special Protection Areas (pSPA)	0	0	0	0	0
71	10.15	Nitrate Sensitive Areas	0	0	0	0	0
71 >	10.16 >	Nitrate Vulnerable Zones >	1	0	0	1	2
72 >	10.17 >	SSSI Impact Risk Zones >	1	-	-	-	-
73	10.18	SSSI Units	0	0	0	0	0
Page	Section	Visual and cultural designations >	On site	0-50m	50-250m	250-500m	500-2000m
74	11.1	World Heritage Sites	0	0	0	-	-
75	11.2	Area of Outstanding Natural Beauty	0	0	0	-	-
75	11.3	National Parks	0	0	0	-	-
75 >	11.4 >	Listed Buildings >	0	0	8	-	-
76 >	11.5 >	Conservation Areas >	1	0	0	-	-
76	11.6	Scheduled Ancient Monuments	0	0	0	-	-
76	11.7	Registered Parks and Gardens	0	0	0	-	-
Page	Section	Agricultural designations >	On site	0-50m	50-250m	250-500m	500-2000m
78 >	12.1 >	Agricultural Land Classification >	Urban (within 250m)				
79	12.2	Open Access Land	0	0	0	-	-
79	12.3	Tree Felling Licences	0	0	0	-	-
79	12.4	Environmental Stewardship Schemes	0	0	0	-	-
79	12.5	Countryside Stewardship Schemes	0	0	0	-	-
Page	Section	Habitat designations	On site	0-50m	50-250m	250-500m	500-2000m
80	13.1	Priority Habitat Inventory	0	0	0	-	-
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	Geology 1:10,000 scale >	On site	0-50m	50-250m	250-500m	500-2000m
81 >	14.1 >	10k Availability >	Identified (within 500m)				
82	14.2	Artificial and made ground (10k)	0	0	0	0	-
83	14.3	Superficial geology (10k)	0	0	0	0	-

83	14.4	Landslip (10k)	0	0	0	0	-
84	14.5	Bedrock geology (10k)	0	0	0	0	-
84	14.6	Bedrock faults and other linear features (10k)	0	0	0	0	-
Page	Section	Geology 1:50,000 scale >	On site	0-50m	50-250m	250-500m	500-2000m
85 >	15.1 >	50k Availability >	Identified (within 500m)				
86	15.2	Artificial and made ground (50k)	0	0	0	0	-
86	15.3	Artificial ground permeability (50k)	0	0	-	-	-
87 >	15.4 >	Superficial geology (50k) >	0	0	1	2	-
88	15.5	Superficial permeability (50k)	None (within 50m)				
88	15.6	Landslip (50k)	0	0	0	0	-
88	15.7	Landslip permeability (50k)	None (within 50m)				
89 >	15.8 >	Bedrock geology (50k) >	1	0	4	9	-
90 >	15.9 >	Bedrock permeability (50k) >	Identified (within 50m)				
91 >	15.10 >	Bedrock faults and other linear features (50k) >	0	0	2	9	-
Page	Section	Boreholes >	On site	0-50m	50-250m	250-500m	500-2000m
92 >	16.1 >	BGS Boreholes >	0	0	5	-	-
Page	Section	Natural ground subsidence >					
94 >	17.1 >	Shrink swell clays >	Negligible (within 50m)				
95 >	17.2 >	Running sands >	Negligible (within 50m)				
96 >	17.3 >	Compressible deposits >	Negligible (within 50m)				
97 >	17.4 >	Collapsible deposits >	Very low (within 50m)				
98 >	17.5 >	Landslides >	Very low (within 50m)				
99 >	17.6 >	Ground dissolution of soluble rocks >	Negligible (within 50m)				
Page	Section	Mining and ground workings >	On site	0-50m	50-250m	250-500m	500-2000m
101 >	18.1 >	BritPits >	0	0	0	1	-
102 >	18.2 >	Surface ground workings >	0	0	1	-	-
102 >	18.3 >	Underground workings >	0	0	0	0	6
103	18.4	Underground mining extents	0	0	0	0	-
103	18.5	Historical Mineral Planning Areas	0	0	0	0	-



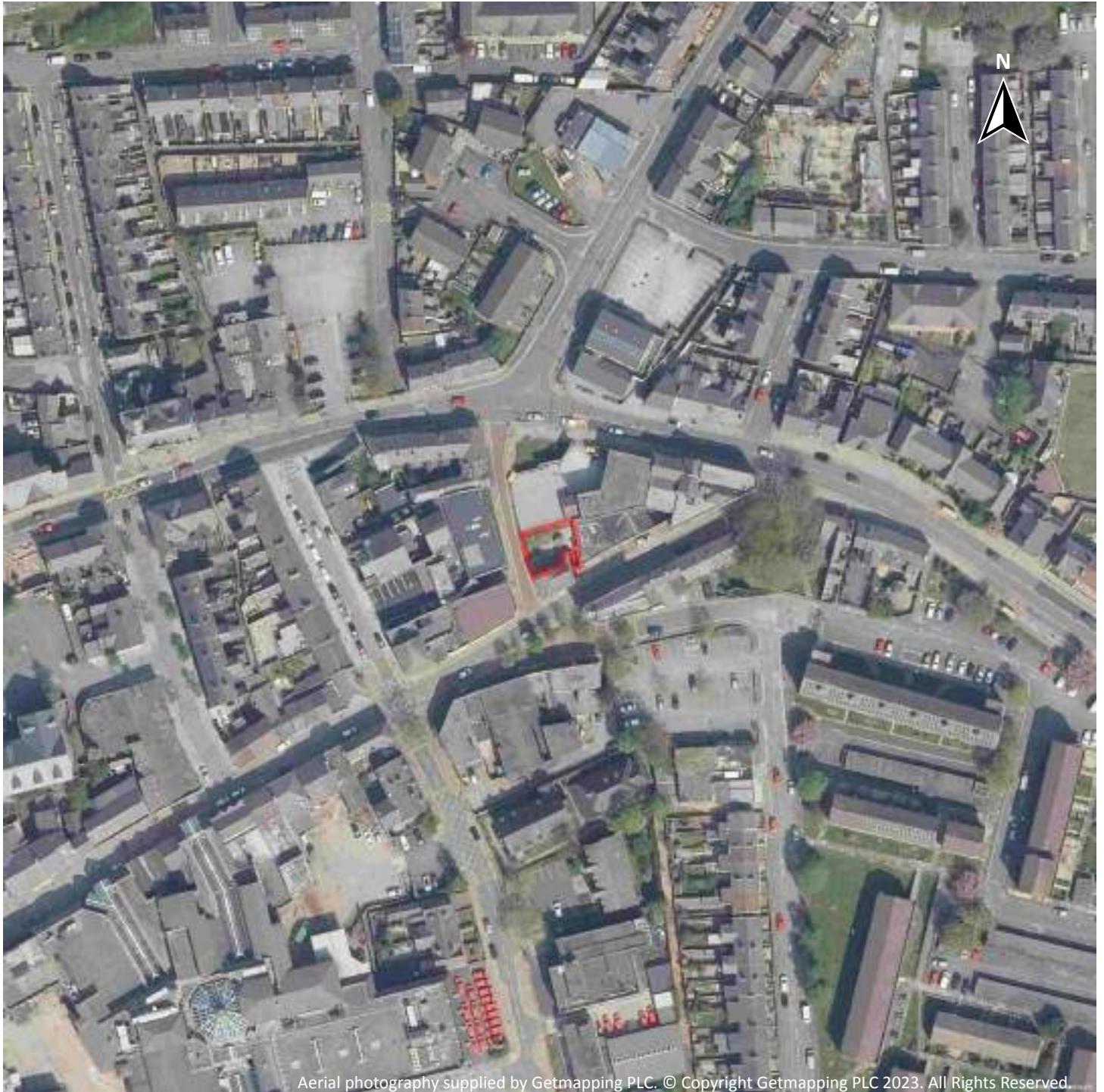
103 >	18.6 >	Non-coal mining >	0	0	0	0	1
103	18.7	JPB mining areas	None (within 0m)				
104	18.8	The Coal Authority non-coal mining	0	0	0	0	-
104 >	18.9 >	Researched mining >	0	0	0	1	-
104	18.10	Mining record office plans	0	0	0	0	-
104	18.11	BGS mine plans	0	0	0	0	-
105 >	18.12 >	Coal mining >	Identified (within 0m)				
105	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	-
107	19.5	National karst database	0	0	0	0	-
Page	Section	Radon >					
108 >	20.1 >	Radon >	Less than 1% (within 0m)				
Page	Section	Soil chemistry >	On site	0-50m	50-250m	250-500m	500-2000m
110 >	21.1 >	BGS Estimated Background Soil Chemistry >	1	0	-	-	-
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	-	-
111	22.3	Railway tunnels	0	0	0	-	-
111	22.4	Historical railway and tunnel features	0	0	0	-	-
111	22.5	Royal Mail tunnels	0	0	0	-	-



112	22.6	Historical railways	0	0	0	-	-
112	22.7	Railways	0	0	0	-	-
112	22.8	Crossrail 1	0	0	0	0	-
112	22.9	Crossrail 2	0	0	0	0	-
112	22.10	HS2	0	0	0	0	-



Recent aerial photograph



Capture Date: 22/04/2019

Site Area: 0.02ha



Recent site history - 2015 aerial photograph



Capture Date: 11/06/2015

Site Area: 0.02ha



Recent site history - 2005 aerial photograph



Capture Date: 02/09/2005

Site Area: 0.02ha



Recent site history - 2000 aerial photograph

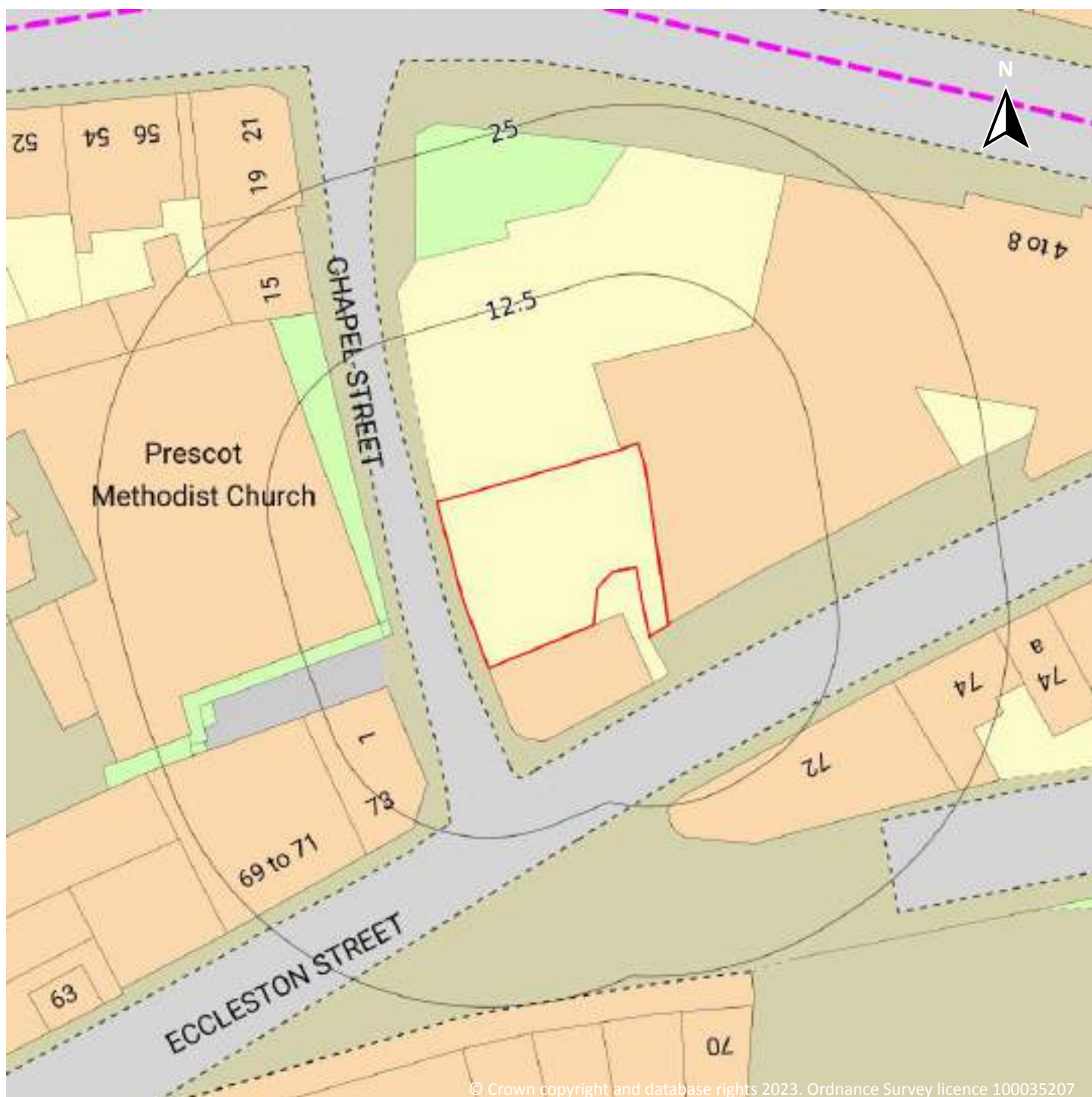


Capture Date: 21/07/2000

Site Area: 0.02ha



OS MasterMap site plan

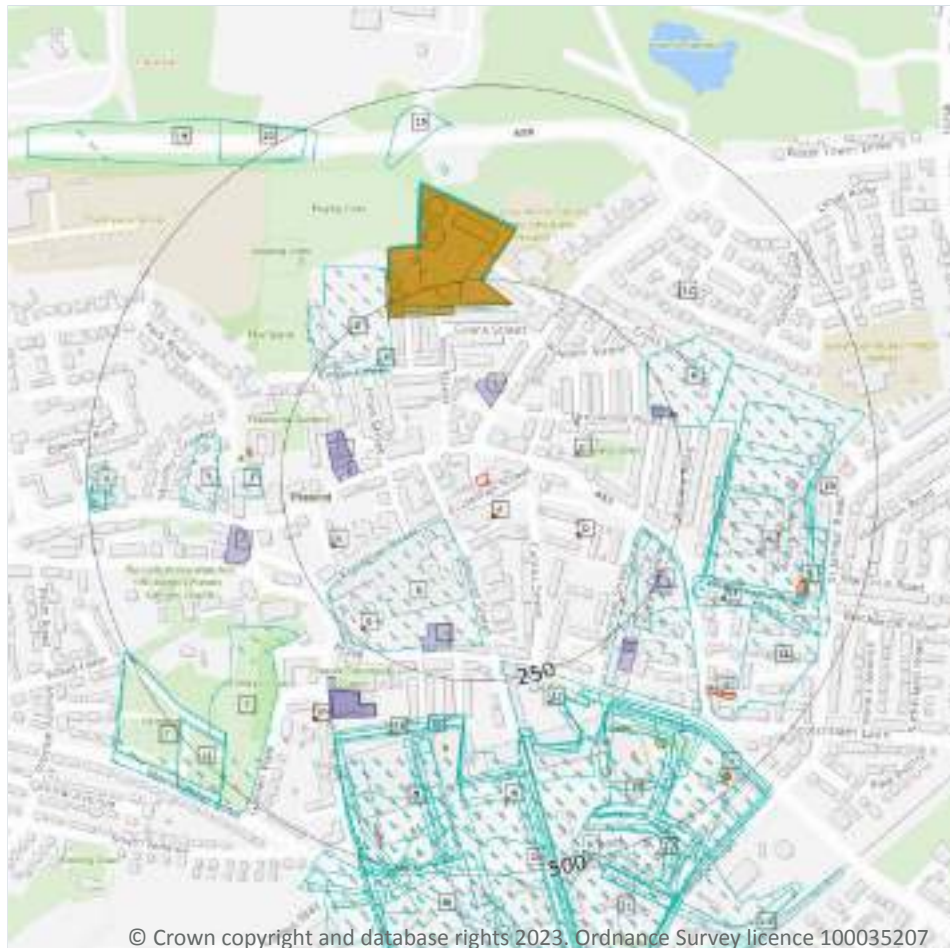


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Site Area: 0.02ha



1 Past land use



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

1.1 Historical industrial land uses

Records within 500m

97

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

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

ID	Location	Land use	Dates present	Group ID
B	61m SW	Unspecified Commercial/Industrial	1990	796683



ID	Location	Land use	Dates present	Group ID
2	175m NW	Earthenware Pottery	1851	834890
4	187m NW	Unspecified Ground Workings	1925	799847
F	199m E	Corn Mill	1851	823126
F	205m E	Unspecified Commercial/Industrial	1990	796680
G	213m N	Gas Works	1906	937755
G	214m N	Gas Works	1891	954530
G	219m N	Unspecified Commercial/Industrial	1925	967274
G	221m N	Unspecified Works	1966	830283
G	221m N	Unspecified Commercial/Industrial	1925 - 1950	991155
G	222m N	Gas Holder Station	1975	891256
G	222m N	Gas Holder Station	1990	929682
H	225m NE	Nursery	1950 - 1955	890594
I	226m S	Cable Works	1955	808436
G	226m N	Unspecified Commercial/Industrial	1955	874436
G	228m NW	Gasometer	1891 - 1906	864745
G	236m NW	Unspecified Tank	1925	937563
G	237m NW	Unspecified Tank	1925 - 1950	908448
G	244m NW	Unspecified Tank	1955	886278
G	244m NW	Unspecified Tank	1966	931710
G	250m N	Gas Works	1851	933630
G	259m NW	Gasometer	1891 - 1906	881641
G	265m NW	Unspecified Tank	1925	869636
G	267m NW	Unspecified Tank	1925 - 1938	905508
J	276m W	Police Station	1851	832552
F	283m SE	Windmill	1851	794332
K	284m S	Insulated Cable Works	1925 - 1938	954255
I	285m S	Unspecified Works	1966	988825
I	285m S	Unspecified Works	1990	990957



ID	Location	Land use	Dates present	Group ID
G	286m N	Unspecified Heap	1925	803329
M	290m SE	Watch Factory	1891 - 1906	853216
I	291m SE	Unspecified Works	1966 - 1975	920399
N	293m S	Unspecified Commercial/Industrial	1955	896926
M	294m E	Printing Works	1950 - 1955	873903
O	295m S	Railway Sidings	1955	944895
M	295m SE	Printing Works	1925	973501
M	296m E	Printing Works	1938	956635
G	298m N	Unspecified Tank	1925 - 1950	878311
N	298m S	Unspecified Works	1990	925182
N	298m S	Unspecified Works	1966	991105
N	298m S	Unspecified Works	1975	991861
M	298m E	Unspecified Works	1966 - 1975	886343
H	298m NE	Glass Works	1966	797979
G	299m N	Gasometer	1906	809741
7	300m SW	Grave Yard	1950 - 1955	941638
M	303m E	Unspecified Commercial/Industrial	1990	796678
G	305m N	Unspecified Tank	1975	938846
G	305m N	Unspecified Tanks	1966	815149
I	305m SE	Unspecified Commercial/Industrial	1990	796679
K	306m S	Insulated Cable Works	1950	848751
N	306m S	Railway Sidings	1950	926299
G	307m N	Unspecified Tank	1955	943827
N	310m S	Unspecified Commercial/Industrial	1925	948573
I	319m SE	Insulated Wire Works	1906	823445
I	321m SE	Cotton Factory	1851	833827
I	322m SE	Pottery	1891	818629
I	326m SE	Insulated Cable Works	1925	929291



ID	Location	Land use	Dates present	Group ID
N	326m S	Railway Sidings	1938	867114
9	329m W	Colliery	1851	798244
N	330m S	Railway Sidings	1925	878216
I	330m SE	Railway Sidings	1950	922745
I	330m SE	Railway Sidings	1925 - 1938	937161
G	335m N	Unspecified Tank	1950	976039
G	338m N	Unspecified Tank	1938	919524
G	339m N	Unspecified Tank	1975	899317
N	341m S	Railway Sidings	1925	846055
G	344m N	Gasometer	1990	809742
G	345m N	Unspecified Tank	1955	889813
13	347m SE	Railway Sidings	1925	859532
I	372m SE	Railway Sidings	1955	962745
14	372m SE	Earthenware Pottery	1851	834891
N	387m S	Railway Sidings	1955	878210
G	390m N	Water Meter House	1925	817581
N	399m SW	Railway Sidings	1925	853647
N	404m S	Collieries	1851	811434
15	413m N	Water Works	1955	809581
16	426m E	Pump	1851	826855
I	428m SE	Unspecified Tank	1891	824621
17	439m S	Railway Sidings	1975	907305
18	439m S	Old Sandstone Quarry	1851	810579
T	455m SW	Cemetery	1950 - 1955	868720
T	455m SW	Cemetery	1990	938974
T	455m SW	Cemetery	1966 - 1975	985196
19	459m NW	Cuttings	1975	900807
U	464m SW	Cemetery	1925 - 1938	901116



ID	Location	Land use	Dates present	Group ID
V	465m W	Police Station	1955	860103
20	468m NW	Cuttings	1990	886365
U	468m SW	Cemetery	1925	951793
W	470m S	Railway Sidings	1966	967285
X	471m SE	Unspecified Tank	1955	824623
W	476m S	Railway Sidings	1955	958712
V	477m W	Police Station	1925 - 1950	899232
X	478m SE	Unspecified Tank	1950	824622
V	478m W	Police Station	1990	848585
V	478m W	Police Station	1966 - 1975	877999
W	492m S	Railway Sidings	1975	869713
21	494m S	Electrical Engineering Works	1891	809937

This data is sourced from Ordnance Survey / Groundsure.

1.2 Historical tanks

Records within 500m

50

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

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

ID	Location	Land use	Dates present	Group ID
C	117m E	Unspecified Tank	1990	143360
C	117m E	Unspecified Tank	1975	125744
C	130m NE	Unspecified Tank	1985	113162
B	184m SW	Unspecified Tank	1985	113163
G	210m N	Gas Works	1893 - 1908	139697
G	218m N	Gas Holder Station	1996	122151



ID	Location	Land use	Dates present	Group ID
G	218m N	Gas Works	1955	148951
G	231m N	Gasholder Station	1957 - 1984	144213
G	233m NW	Gasometer	1893 - 1908	142135
G	233m NW	Unspecified Tank	1927 - 1937	143786
G	242m NW	Unspecified Tank	1955 - 1963	123474
G	263m NW	Unspecified Tank	1927 - 1937	127825
G	263m NW	Gasometer	1893 - 1908	133576
G	273m N	Unspecified Tank	1955	129297
G	287m N	Tanks	1955	140210
J	288m W	Unspecified Tank	1893	140280
L	289m S	Unspecified Tank	1985 - 1990	137667
L	290m S	Unspecified Tank	1994	125807
J	292m W	Unspecified Tank	1908 - 1927	134423
G	294m N	Tanks	1996	132850
G	294m N	Tanks	1957 - 1984	136880
G	296m N	Unspecified Tank	1908 - 1937	147823
J	300m W	Unspecified Tank	1966 - 1993	133537
J	301m W	Unspecified Tank	1982	133794
G	303m N	Unspecified Tank	1955 - 1963	133684
G	303m N	Gasometer	1955	108457
M	315m E	Unspecified Tank	1999	123410
M	315m E	Unspecified Tank	1996	140207
M	316m E	Unspecified Tank	1985	131755
10	331m S	Unspecified Tank	1975	113173
G	332m N	Unspecified Tank	1937 - 1963	123743
12	335m NE	Tanks	1972 - 1984	147786
G	338m N	Gasholder	1957 - 1996	149183
G	338m N	Gasometer	1955	108458



ID	Location	Land use	Dates present	Group ID
I	352m SE	Tanks	1937	105887
M	355m E	Unspecified Tank	1954 - 1955	131659
M	377m E	Tanks	1985 - 1999	130216
I	392m SE	Tanks	1927 - 1937	139789
I	392m SE	Tanks	1927	105889
S	423m E	Unspecified Tank	1985 - 1999	139146
I	426m SE	Unspecified Tank	1893	113164
S	427m E	Unspecified Tank	1996 - 1999	142335
S	428m E	Unspecified Tank	1985	128514
N	447m S	Unspecified Tank	1954	133496
N	475m S	Unspecified Tank	1954	133133
X	480m SE	Unspecified Tank	1955	147134
X	482m SE	Unspecified Tank	1954	130421
X	485m SE	Unspecified Tank	1927 - 1937	142829
N	486m S	Unspecified Tank	1937	113172
N	497m S	Tanks	1972	105884

This data is sourced from Ordnance Survey / Groundsure.

1.3 Historical energy features

Records within 500m

34

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

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

ID	Location	Land use	Dates present	Group ID
A	38m S	Electricity Substation	1985 - 1990	64436
A	39m S	Electricity Substation	1994	69487



ID	Location	Land use	Dates present	Group ID
D	130m SE	Electricity Substation	1975 - 1990	66197
D	131m SE	Electricity Substation	1994	71399
5	198m SW	Electricity Substation	1975 - 1994	74750
G	210m N	Gas Works	1893 - 1908	70988
G	218m N	Gas Holder Station	1996	63809
G	218m N	Gas Works	1955	67245
F	225m SE	Electricity Substation	1975 - 1994	81796
G	231m N	Gasholder Station	1957 - 1984	66739
6	231m SW	Electricity Substation	1975 - 1994	83532
G	233m NW	Gasometer	1893 - 1908	82186
G	233m N	Electricity Substation	1955 - 1996	72698
H	247m E	Electricity Substation	1972 - 1999	83724
H	248m E	Electricity Substation	1985	80559
G	263m NW	Gasometer	1893 - 1908	64390
G	303m N	Gasometer	1955	59650
O	308m S	Electricity Substation	1954	68813
11	332m SE	Electricity Substation	1972 - 1996	65285
O	335m S	Electricity Substation	1985 - 1990	65078
G	338m N	Gasholder	1957 - 1996	80382
G	338m N	Gasometer	1955	59651
P	361m SW	Electricity Substation	1975 - 1994	66390
I	362m SE	Electricity Substation	1954	73765
Q	382m SE	Electricity Substation	1955	64348
Q	384m SE	Electricity Substation	1954	76629
I	397m SE	Electricity Substation	1954 - 1984	75928
I	398m SE	Electricity Substation	1955	80259
I	401m SE	Electricity Substation	1954 - 1985	68366
R	402m S	Electricity Substation	1972 - 1984	81206



ID	Location	Land use	Dates present	Group ID
R	405m S	Electricity Substation	1972 - 1984	77122
S	418m E	Electricity Substation	1954 - 1999	72027
I	452m SE	Electricity Substation	1954 - 1955	83081
N	454m S	Electricity Substations	1984	59875

This data is sourced from Ordnance Survey / Groundsure.

1.4 Historical petrol stations

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

This data is sourced from Ordnance Survey / Groundsure.

1.5 Historical garages

Records within 500m	14
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Garages digitised from historical Ordnance Survey mapping at high-detail 1:1,250 and 1:2,500 scale, intelligently grouped into contiguous features. To prevent misrepresentation of the size of historical features at any given time, features are only grouped if they have similar geometries within immediately preceding or succeeding map editions. See section 2 for a breakdown of grouping if required. Grouped and the original ungrouped features can be cross-referenced across sections 1 and 2 using the 'Group ID'.

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

ID	Location	Land use	Dates present	Group ID
1	86m N	Garage	1975 - 1985	25295
E	151m W	Garage	1985 - 1990	27772
E	160m W	Garage	1994	22612
3	179m S	Garage	1985	20156
H	226m E	Garage	1996 - 1999	24551
H	226m E	Garage	1985	20935
F	245m SE	Garage	1960	20155



ID	Location	Land use	Dates present	Group ID
F	263m SE	Garage	1994	20728
F	265m SE	Garage	1985 - 1990	26952
F	266m SE	Garage	1990	21456
8	302m W	Garage	1982 - 1993	24369
P	303m SW	Garage	1994	21932
P	306m SW	Garage	1964 - 1975	26302
P	307m SW	Garage	1985 - 1990	25814

This data is sourced from Ordnance Survey / Groundsure.

1.6 Historical military land

Records within 500m

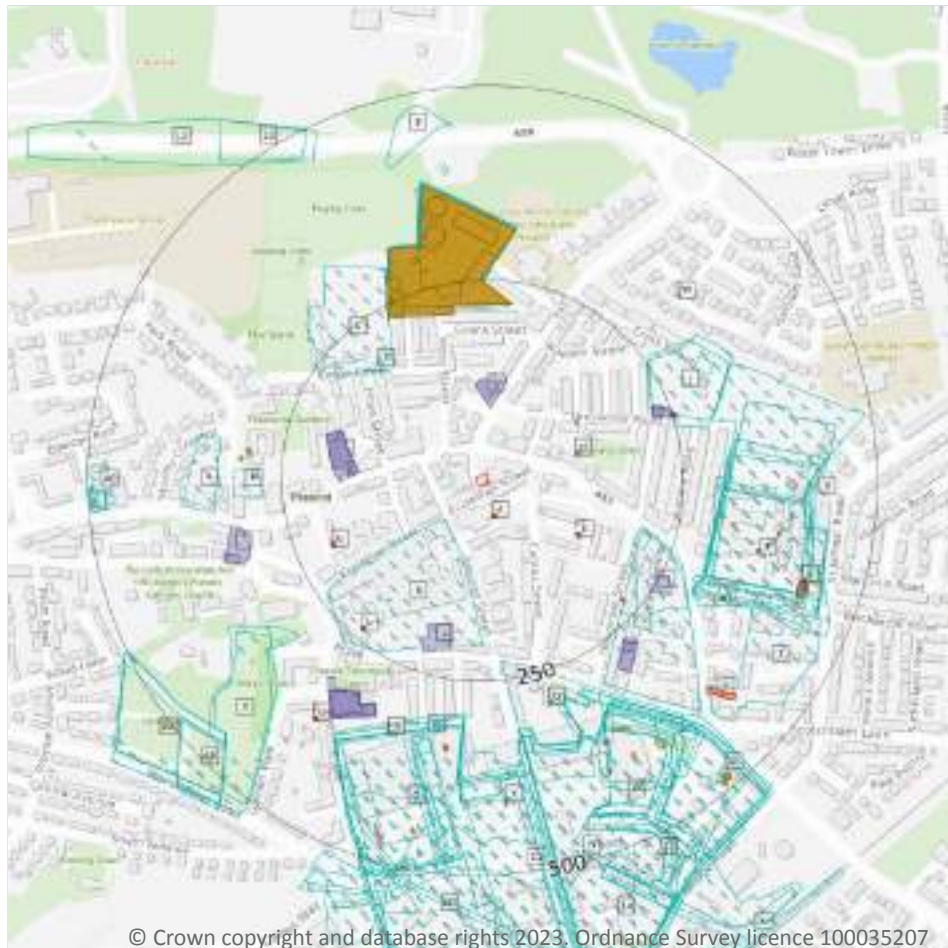
0

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

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



2 Past land use - un-grouped



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

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2.1 Historical industrial land uses

Records within 500m

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Potentially contaminative land use features digitised from historical Ordnance Survey mapping at 1:10,000 and 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 24](#) >

ID	Location	Land Use	Date	Group ID
B	61m SW	Unspecified Commercial/Industrial	1990	796683
1	175m NW	Earthenware Pottery	1851	834890
3	187m NW	Unspecified Ground Workings	1925	799847



ID	Location	Land Use	Date	Group ID
H	199m E	Corn Mill	1851	823126
H	205m E	Unspecified Commercial/Industrial	1990	796680
I	213m N	Gas Works	1906	937755
I	214m N	Gas Works	1891	954530
I	219m N	Unspecified Commercial/Industrial	1925	967274
I	221m N	Unspecified Works	1966	830283
I	221m N	Unspecified Commercial/Industrial	1938	991155
I	221m N	Unspecified Commercial/Industrial	1925	991155
I	221m N	Unspecified Commercial/Industrial	1950	991155
I	222m N	Gas Holder Station	1975	891256
I	222m N	Gas Holder Station	1990	929682
J	225m NE	Nursery	1950	890594
K	226m S	Cable Works	1955	808436
I	226m N	Unspecified Commercial/Industrial	1955	874436
J	228m E	Nursery	1955	890594
I	228m NW	Gasometer	1891	864745
I	236m NW	Unspecified Tank	1925	937563
I	237m NW	Gasometer	1906	864745
I	237m NW	Unspecified Tank	1938	908448
I	237m NW	Unspecified Tank	1925	908448
I	237m NW	Unspecified Tank	1950	908448
I	244m NW	Unspecified Tank	1955	886278
I	244m NW	Unspecified Tank	1966	931710
I	250m N	Gas Works	1851	933630
I	259m NW	Gasometer	1891	881641
I	265m NW	Unspecified Tank	1925	869636
I	267m NW	Unspecified Tank	1938	905508
I	267m NW	Unspecified Tank	1925	905508



ID	Location	Land Use	Date	Group ID
I	269m NW	Gasometer	1906	881641
M	276m W	Police Station	1851	832552
H	283m SE	Windmill	1851	794332
N	284m S	Insulated Cable Works	1938	954255
K	285m S	Unspecified Works	1990	990957
K	285m S	Unspecified Works	1966	988825
I	286m N	Unspecified Heap	1925	803329
P	290m SE	Watch Factory	1891	853216
K	291m SE	Unspecified Works	1975	920399
Q	293m S	Unspecified Commercial/Industrial	1955	896926
P	294m E	Printing Works	1950	873903
P	294m SE	Watch Factory	1906	853216
R	295m S	Railway Sidings	1955	944895
P	295m SE	Printing Works	1925	973501
P	296m E	Printing Works	1938	956635
P	296m E	Printing Works	1925	973501
I	298m N	Unspecified Tank	1925	878311
Q	298m S	Unspecified Works	1975	991861
Q	298m S	Unspecified Works	1990	925182
Q	298m S	Unspecified Works	1966	991105
P	298m E	Printing Works	1955	873903
P	298m E	Unspecified Works	1966	886343
J	298m NE	Glass Works	1966	797979
I	299m N	Gasometer	1906	809741
I	299m N	Unspecified Tank	1938	878311
I	299m N	Unspecified Tank	1925	878311
I	299m N	Unspecified Tank	1950	878311
S	300m SW	Grave Yard	1950	941638



ID	Location	Land Use	Date	Group ID
P	303m E	Unspecified Works	1975	886343
P	303m E	Unspecified Commercial/Industrial	1990	796678
I	305m N	Unspecified Tank	1975	938846
I	305m N	Unspecified Tanks	1966	815149
K	305m SE	Unspecified Commercial/Industrial	1990	796679
K	305m SE	Unspecified Works	1966	920399
N	306m S	Insulated Cable Works	1925	954255
N	306m S	Insulated Cable Works	1950	848751
Q	306m S	Railway Sidings	1950	926299
I	307m N	Unspecified Tank	1955	943827
Q	310m S	Unspecified Commercial/Industrial	1925	948573
K	319m SE	Insulated Wire Works	1906	823445
K	321m SE	Cotton Factory	1851	833827
K	322m SE	Pottery	1891	818629
K	326m SE	Insulated Cable Works	1925	929291
Q	326m S	Railway Sidings	1938	867114
4	329m W	Colliery	1851	798244
S	329m SW	Grave Yard	1955	941638
Q	330m S	Railway Sidings	1925	878216
K	330m SE	Railway Sidings	1925	937161
K	330m SE	Railway Sidings	1950	922745
K	333m SE	Railway Sidings	1938	937161
I	335m N	Unspecified Tank	1950	976039
I	338m N	Unspecified Tank	1938	919524
I	339m N	Unspecified Tank	1975	899317
Q	341m S	Railway Sidings	1925	846055
I	344m N	Gasometer	1990	809742
I	345m N	Unspecified Tank	1955	889813



ID	Location	Land Use	Date	Group ID
6	347m SE	Railway Sidings	1925	859532
K	372m SE	Railway Sidings	1955	962745
7	372m SE	Earthenware Pottery	1851	834891
Q	387m S	Railway Sidings	1955	878210
I	390m N	Water Meter House	1925	817581
Q	399m SW	Railway Sidings	1925	853647
Q	404m S	Collieries	1851	811434
8	413m N	Water Works	1955	809581
9	426m E	Pump	1851	826855
K	428m SE	Unspecified Tank	1891	824621
10	439m S	Railway Sidings	1975	907305
11	439m S	Old Sandstone Quarry	1851	810579
AA	455m SW	Cemetery	1955	868720
AA	455m SW	Cemetery	1975	985196
AA	455m SW	Cemetery	1990	938974
AA	455m SW	Cemetery	1966	985196
12	459m NW	Cuttings	1975	900807
AA	464m SW	Cemetery	1950	868720
AB	464m SW	Cemetery	1938	901116
AB	464m SW	Cemetery	1925	901116
AC	465m W	Police Station	1955	860103
13	468m NW	Cuttings	1990	886365
AB	468m SW	Cemetery	1925	951793
AD	470m S	Railway Sidings	1966	967285
AE	471m SE	Unspecified Tank	1955	824623
AD	476m S	Railway Sidings	1955	958712
AC	477m W	Police Station	1938	899232
AC	477m W	Police Station	1925	899232



ID	Location	Land Use	Date	Group ID
AC	477m W	Police Station	1950	899232
AE	478m SE	Unspecified Tank	1950	824622
AC	478m W	Police Station	1975	877999
AC	478m W	Police Station	1990	848585
AC	478m W	Police Station	1966	877999
AD	492m S	Railway Sidings	1975	869713
14	494m S	Electrical Engineering Works	1891	809937

This data is sourced from Ordnance Survey / Groundsure.

2.2 Historical tanks

Records within 500m

86

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 24 >](#)

ID	Location	Land Use	Date	Group ID
D	117m E	Unspecified Tank	1990	143360
D	117m E	Unspecified Tank	1990	143360
D	117m E	Unspecified Tank	1975	125744
D	130m NE	Unspecified Tank	1985	113162
B	184m SW	Unspecified Tank	1985	113163
I	210m N	Gas Works	1893	139697
I	210m N	Gas Works	1908	139697
I	218m N	Gas Holder Station	1996	122151
I	218m N	Gas Works	1955	148951
I	218m N	Gas Works	1955	148951
I	231m N	Gasholder Station	1984	144213
I	231m N	Gasholder Station	1957	144213
I	233m NW	Gasometer	1893	142135



ID	Location	Land Use	Date	Group ID
I	233m NW	Gasometer	1908	142135
I	233m NW	Unspecified Tank	1927	143786
I	233m NW	Unspecified Tank	1937	143786
I	242m NW	Unspecified Tank	1955	123474
I	242m NW	Unspecified Tank	1963	123474
I	242m NW	Unspecified Tank	1955	123474
I	263m NW	Gasometer	1893	133576
I	263m NW	Gasometer	1908	133576
I	263m NW	Unspecified Tank	1927	127825
I	263m NW	Unspecified Tank	1937	127825
I	273m N	Unspecified Tank	1955	129297
I	273m N	Unspecified Tank	1955	129297
I	287m N	Tanks	1955	140210
I	287m N	Tanks	1955	140210
M	288m W	Unspecified Tank	1893	140280
O	289m S	Unspecified Tank	1985	137667
O	289m S	Unspecified Tank	1990	137667
O	289m S	Unspecified Tank	1990	137667
O	290m S	Unspecified Tank	1994	125807
M	292m W	Unspecified Tank	1908	134423
M	292m W	Unspecified Tank	1927	134423
I	294m N	Tanks	1996	132850
I	294m N	Tanks	1984	136880
I	294m N	Tanks	1957	136880
I	296m N	Unspecified Tank	1908	147823
I	296m N	Unspecified Tank	1927	147823
I	296m N	Unspecified Tank	1937	147823
M	300m W	Unspecified Tank	1993	133537



ID	Location	Land Use	Date	Group ID
M	301m W	Unspecified Tank	1966	133537
M	301m W	Unspecified Tank	1982	133794
I	303m N	Unspecified Tank	1963	133684
I	303m N	Unspecified Tank	1955	133684
I	303m N	Gasometer	1955	108457
P	315m E	Unspecified Tank	1996	140207
P	315m E	Unspecified Tank	1999	123410
P	316m E	Unspecified Tank	1985	131755
5	331m S	Unspecified Tank	1975	113173
I	332m N	Unspecified Tank	1937	123743
W	335m NE	Tanks	1972	147786
W	335m NE	Tanks	1984	147786
I	338m N	Unspecified Tank	1963	123743
I	338m N	Unspecified Tank	1955	123743
I	338m N	Gasholder	1984	149183
I	338m N	Gasholder	1957	149183
I	338m N	Gasometer	1955	108458
I	339m N	Gasholder	1996	149183
K	352m SE	Tanks	1937	105887
P	355m E	Unspecified Tank	1955	131659
P	355m E	Unspecified Tank	1955	131659
P	355m E	Unspecified Tank	1954	131659
P	377m E	Tanks	1996	130216
P	377m E	Tanks	1999	130216
P	378m E	Tanks	1985	130216
K	392m SE	Tanks	1927	139789
K	392m SE	Tanks	1937	139789
K	392m SE	Tanks	1927	105889



ID	Location	Land Use	Date	Group ID
Z	423m E	Unspecified Tank	1996	139146
Z	423m E	Unspecified Tank	1999	139146
Z	423m E	Unspecified Tank	1985	139146
K	426m SE	Unspecified Tank	1893	113164
Z	427m E	Unspecified Tank	1996	142335
Z	427m E	Unspecified Tank	1999	142335
Z	428m E	Unspecified Tank	1985	128514
Q	447m S	Unspecified Tank	1954	133496
Q	448m S	Unspecified Tank	1954	133496
Q	475m S	Unspecified Tank	1954	133133
Q	476m S	Unspecified Tank	1954	133133
AE	480m SE	Unspecified Tank	1955	147134
AE	482m SE	Unspecified Tank	1954	130421
AE	485m SE	Unspecified Tank	1927	142829
AE	485m SE	Unspecified Tank	1937	142829
Q	486m S	Unspecified Tank	1937	113172
Q	497m S	Tanks	1972	105884

This data is sourced from Ordnance Survey / Groundsure.

2.3 Historical energy features

Records within 500m

86

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 24 >](#)

ID	Location	Land Use	Date	Group ID
A	38m S	Electricity Substation	1985	64436
A	38m S	Electricity Substation	1990	64436
A	38m S	Electricity Substation	1990	64436



ID	Location	Land Use	Date	Group ID
A	39m S	Electricity Substation	1994	69487
E	130m SE	Electricity Substation	1985	66197
E	130m SE	Electricity Substation	1990	66197
E	130m SE	Electricity Substation	1990	66197
E	131m SE	Electricity Substation	1975	66197
E	131m SE	Electricity Substation	1994	71399
G	198m SW	Electricity Substation	1975	74750
G	199m SW	Electricity Substation	1985	74750
G	199m SW	Electricity Substation	1990	74750
G	199m SW	Electricity Substation	1990	74750
G	199m SW	Electricity Substation	1994	74750
I	210m N	Gas Works	1893	70988
I	210m N	Gas Works	1908	70988
I	218m N	Gas Holder Station	1996	63809
I	218m N	Gas Works	1955	67245
I	218m N	Gas Works	1955	67245
H	225m SE	Electricity Substation	1985	81796
H	225m SE	Electricity Substation	1990	81796
H	225m SE	Electricity Substation	1990	81796
H	225m SE	Electricity Substation	1975	81796
H	225m SE	Electricity Substation	1994	81796
I	231m N	Gasholder Station	1984	66739
I	231m N	Gasholder Station	1957	66739
L	231m SW	Electricity Substation	1994	83532
L	232m SW	Electricity Substation	1975	83532
L	232m SW	Electricity Substation	1985	83532
L	232m SW	Electricity Substation	1990	83532
I	233m NW	Gasometer	1893	82186



ID	Location	Land Use	Date	Group ID
I	233m NW	Gasometer	1908	82186
I	233m N	Electricity Substation	1955	72698
I	234m N	Electricity Substation	1955	72698
I	234m N	Electricity Substation	1996	72698
I	234m N	Electricity Substation	1984	72698
I	234m N	Electricity Substation	1957	72698
J	247m E	Electricity Substation	1972	83724
J	248m E	Electricity Substation	1985	80559
J	248m E	Electricity Substation	1996	83724
J	248m E	Electricity Substation	1999	83724
I	263m NW	Gasometer	1893	64390
I	263m NW	Gasometer	1908	64390
I	303m N	Gasometer	1955	59650
R	308m S	Electricity Substation	1954	68813
R	308m S	Electricity Substation	1954	68813
V	332m SE	Electricity Substation	1972	65285
V	333m SE	Electricity Substation	1996	65285
V	333m SE	Electricity Substation	1985	65285
R	335m S	Electricity Substation	1985	65078
R	335m S	Electricity Substation	1990	65078
R	335m S	Electricity Substation	1990	65078
I	338m N	Gasholder	1984	80382
I	338m N	Gasholder	1957	80382
I	338m N	Gasometer	1955	59651
I	339m N	Gasholder	1996	80382
U	361m SW	Electricity Substation	1975	66390
U	362m SW	Electricity Substation	1990	66390
K	362m SE	Electricity Substation	1954	73765



ID	Location	Land Use	Date	Group ID
K	362m SE	Electricity Substation	1954	73765
U	362m SW	Electricity Substation	1985	66390
U	362m SW	Electricity Substation	1994	66390
X	382m SE	Electricity Substation	1955	64348
X	382m SE	Electricity Substation	1955	64348
X	384m SE	Electricity Substation	1954	76629
K	397m SE	Electricity Substation	1954	75928
K	397m SE	Electricity Substation	1972	75928
K	398m SE	Electricity Substation	1984	75928
K	398m SE	Electricity Substation	1955	80259
K	398m SE	Electricity Substation	1954	75928
K	401m SE	Electricity Substation	1954	68366
K	401m SE	Electricity Substation	1972	68366
K	401m SE	Electricity Substation	1985	68366
Y	402m S	Electricity Substation	1972	81206
Y	402m S	Electricity Substation	1984	81206
Y	405m S	Electricity Substation	1972	77122
Y	406m S	Electricity Substation	1984	77122
Z	418m E	Electricity Substation	1954	72027
Z	418m E	Electricity Substation	1972	72027
Z	419m E	Electricity Substation	1985	72027
Z	420m E	Electricity Substation	1955	72027
Z	420m E	Electricity Substation	1996	72027
Z	420m E	Electricity Substation	1999	72027
K	452m SE	Electricity Substation	1955	83081
K	452m SE	Electricity Substation	1954	83081
Q	454m S	Electricity Substations	1984	59875

This data is sourced from Ordnance Survey / Groundsure.



2.4 Historical petrol stations

Records within 500m

0

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

This data is sourced from Ordnance Survey / Groundsure.

2.5 Historical garages

Records within 500m

23

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 24 >](#)

ID	Location	Land Use	Date	Group ID
C	86m N	Garage	1975	25295
C	93m N	Garage	1985	25295
F	151m W	Garage	1985	27772
F	151m W	Garage	1990	27772
F	151m W	Garage	1990	27772
F	160m W	Garage	1994	22612
2	179m S	Garage	1985	20156
J	226m E	Garage	1999	24551
J	226m E	Garage	1996	24551
J	226m E	Garage	1985	20935
H	245m SE	Garage	1960	20155
H	263m SE	Garage	1994	20728
H	265m SE	Garage	1985	26952
H	265m SE	Garage	1990	26952
H	266m SE	Garage	1990	21456
T	302m W	Garage	1982	24369



ID	Location	Land Use	Date	Group ID
U	303m SW	Garage	1994	21932
U	306m SW	Garage	1975	26302
U	307m SW	Garage	1985	25814
U	307m SW	Garage	1990	25814
U	307m SW	Garage	1990	25814
U	309m SW	Garage	1964	26302
T	318m W	Garage	1993	24369

This data is sourced from Ordnance Survey / Groundsure.



3 Waste and landfill



- Site Outline
- Search buffers in metres (m)
- Waste exemptions

3.1 Active or recent landfill

Records within 500m

0

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

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

3.2 Historical landfill (BGS records)

Records within 500m

0

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

This data is sourced from the British Geological Survey.



3.3 Historical landfill (LA/mapping records)

Records within 500m**0**

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

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

3.4 Historical landfill (EA/NRW records)

Records within 500m**0**

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

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

3.5 Historical waste sites

Records within 500m**0**

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

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

3.6 Licensed waste sites

Records within 500m**0**

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

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

3.7 Waste exemptions

Records within 500m**6**

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 38](#) >

ID	Location	Site	Reference	Category	Sub-Category	Description
1	195m W	8, MILL STREET, PRESCOT, L34 6HA	WEX167417	Treating waste exemption	Not on a farm	Screening and blending of waste

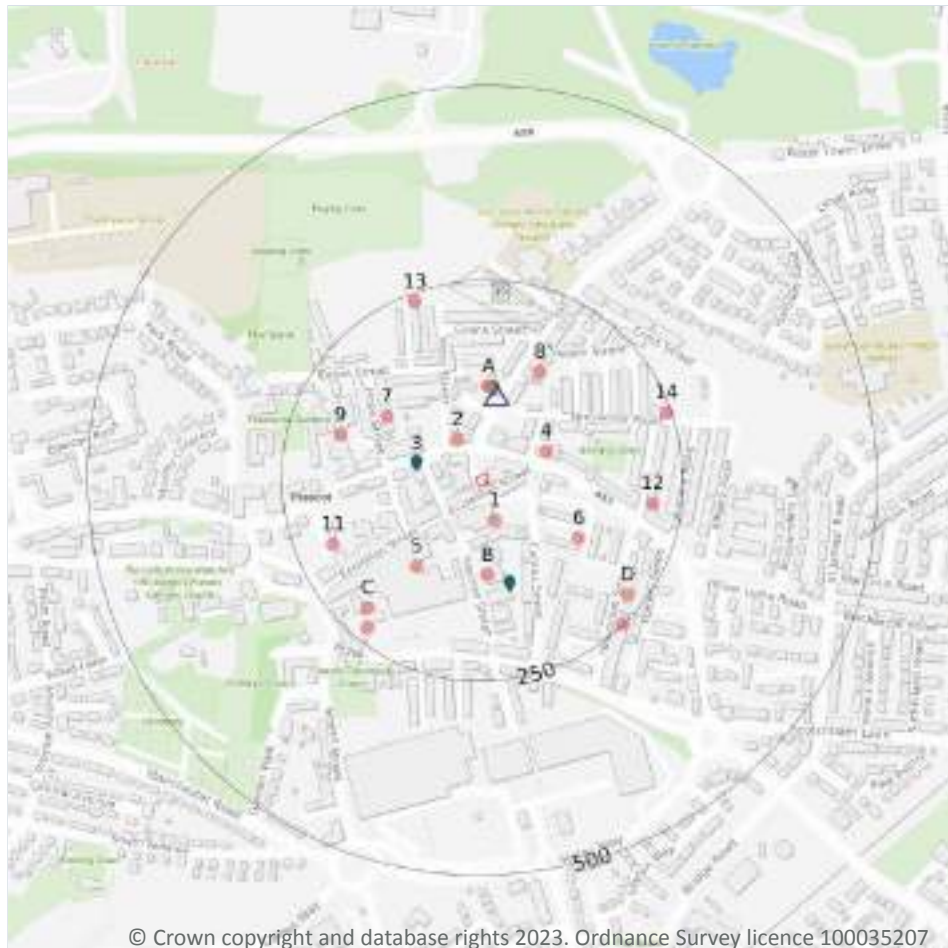


ID	Location	Site	Reference	Category	Sub-Category	Description
2	225m W	MCKENNA COURT 11A, HIGH STREET, PRESCOT, L34 3LD	WEX164956	Treating waste exemption	Not on a Farm	Sorting and de-naturing of controlled drugs for disposal
3	263m W	PRESCOT HOUSE, 3, HIGH STREET, PRESCOT, L34 3LD	WEX258709	Treating waste exemption	Not on a farm	Sorting and de-naturing of controlled drugs for disposal
A	375m E	-	WEX249987	Treating waste exemption	Not on a farm	Screening and blending of waste
A	375m E	-	WEX249987	Using waste exemption	Not on a farm	Use of waste in construction
4	391m SE	UNIT 5A, CABLES RETAIL PARK, STELEY WAY, PRESCOT, L34 5NQ	WEX289417	Treating waste exemption	Not on a farm	Sorting and de-naturing of controlled drugs for disposal

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



4 Current industrial land use



- Site Outline
- Search buffers in metres (m)
- Recent industrial land uses
- ▲ Current or recent petrol stations
- Control of Major Accident Hazards
- Licensed pollutant release (Part A(2)/B)

4.1 Recent industrial land uses

Records within 250m

19

Current potentially contaminative industrial sites.

Features are displayed on the Current industrial land use map on [page 41](#) >

ID	Location	Company	Address	Activity	Category
1	46m S	Electricity Sub Station	Merseyside, L34	Electrical Features	Infrastructure and Facilities
2	54m NW	The Computer Clinic Prescott	Mobility and Reupholstery Centre 51, High Street, Prescot, Merseyside, L34 6HF	Electrical Equipment Repair and Servicing	Repair and Servicing



ID	Location	Company	Address	Activity	Category
4	81m NE	All Black Cabs	17, Warrington Road, Prescot, Merseyside, L34 5QX	Vehicle Hire and Rental	Hire Services
A	113m N	Texaco	29, St. Helens Road, Prescot, Merseyside, L34 6HN	Petrol and Fuel Stations	Road and Rail
A	113m N	Prescot Fuel Service Station	St. Helens Road, -, Prescot, Merseyside, L34 6HN	Vehicle Cleaning Services	Personal, Consumer and Other Services
B	114m S	Telephone Exchange	Merseyside, L34	Telecommunications Features	Infrastructure and Facilities
5	130m SW	Mobile Gallery	The Prescot Centre, Eccleston Street, Prescot, Merseyside, L34 5GA	Electrical Equipment Repair and Servicing	Repair and Servicing
6	135m SE	Electricity Sub Station	Merseyside, L34	Electrical Features	Infrastructure and Facilities
7	139m NW	Luxtel Ltd	10, Hope Street, Prescot, Merseyside, L34 6HB	Radar and Telecommunications Equipment	Industrial Products
8	148m NE	Metalcrafts Ltd	22a, St Helens Road, Prescot, Merseyside, L34 6HR	Fences, Gates and Railings	Industrial Products
9	183m W	Prescot Car Centre	-, Hope Street, Prescot, Merseyside, L34 6HB	Vehicle Repair, Testing and Servicing	Repair and Servicing
11	201m SW	Electricity Sub Station	Merseyside, L34	Electrical Features	Infrastructure and Facilities
C	212m SW	Works	Merseyside, L34	Unspecified Works Or Factories	Industrial Features
12	212m E	A & A Prescot Re-upholstery	2, Queens Road, Prescot, Merseyside, L34 6JA	Furniture	Consumer Products
D	228m SE	Electricity Sub Station	Merseyside, L34	Electrical Features	Infrastructure and Facilities
C	232m SW	Electricity Sub Station	Merseyside, L34	Electrical Features	Infrastructure and Facilities
13	239m N	Electricity Sub Station	Merseyside, L34	Electrical Features	Infrastructure and Facilities
14	244m E	L & M Autos	1, Grosvenor Road, Prescot, Merseyside, L34 6HY	Vehicle Repair, Testing and Servicing	Repair and Servicing
D	248m SE	Lane Ends Engineering Ltd	37-41, Houghton Street, Prescot, Merseyside, L34 5RS	Vehicle Repair, Testing and Servicing	Repair and Servicing



This data is sourced from Ordnance Survey.

4.2 Current or recent petrol stations

Records within 500m

1

Open, closed, under development and obsolete petrol stations.

Features are displayed on the Current industrial land use map on [page 41](#) >

ID	Location	Company	Address	LPG	Status
A	102m N	TEXACO	19, St Helens Road, Prescott, Merseyside, L34 6HN	No	Open

This data is sourced from Experian.

4.3 Electricity cables

Records within 500m

0

High voltage underground electricity transmission cables.

This data is sourced from National Grid.

4.4 Gas pipelines

Records within 500m

0

High pressure underground gas transmission pipelines.

This data is sourced from National Grid.

4.5 Sites determined as Contaminated Land

Records within 500m

0

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

This data is sourced from Local Authority records.

4.6 Control of Major Accident Hazards (COMAH)

Records within 500m

1

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



Features are displayed on the Current industrial land use map on [page 41](#) >

ID	Location	Company	Address	Operational status	Tier
10	194m N	British Gas	British Gas, Ward Street, Prescot, L34 6JJ	Historical NIHHS Site	-

This data is sourced from the Health and Safety Executive.

4.7 Regulated explosive sites

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

This data is sourced from the Health and Safety Executive.

4.8 Hazardous substance storage/usage

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

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

This data is sourced from Local Authority records.

4.9 Historical licensed industrial activities (IPC)

Records within 500m	0
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Integrated Pollution Control (IPC) records of substance releases to air, land and water. This data represents a historical archive as the IPC regime has been superseded.

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

4.10 Licensed industrial activities (Part A(1))

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

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

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

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

Records within 500m

3

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

Features are displayed on the Current industrial land use map on [page 41](#) >

ID	Location	Address	Details	
3	78m W	Prescot Dry Cleaners, 40 High Street, Prescot, L34 6HQ	Process: Dry Cleaning Status: Current Permit Permit Type: Part B	Enforcement: No Enforcements Notified Date of enforcement: No Enforcements Notified Comment: No Enforcements Notified
A	110m N	Prescot Fuel Service Station (Formerly Texaco), St. Helens Road, Prescot, L34 6HN	Process: Unloading of Petrol into Storage at Service Stations Status: Current Permit Permit Type: Part B	Enforcement: No Enforcements Notified Date of enforcement: No Enforcements Notified Comment: No Enforcements Notified
B	130m S	Pirelli Components, Hall Lane, Prescot, L34 5UR	Process: Di-isocyanate Processes Status: Revoked Permit Type: Part B	Enforcement: No Enforcements Notified Date of enforcement: No Enforcements Notified Comment: No Enforcements Notified

This data is sourced from Local Authority records.

4.12 Radioactive Substance Authorisations

Records within 500m

0

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

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

4.13 Licensed Discharges to controlled waters

Records within 500m

0

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

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



4.14 Pollutant release to surface waters (Red List)

Records within 500m**0**

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

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

4.15 Pollutant release to public sewer

Records within 500m**0**

Discharges of Special Category Effluents to the public sewer.

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

4.16 List 1 Dangerous Substances

Records within 500m**0**

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

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

4.17 List 2 Dangerous Substances

Records within 500m**0**

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

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

4.18 Pollution Incidents (EA/NRW)

Records within 500m**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

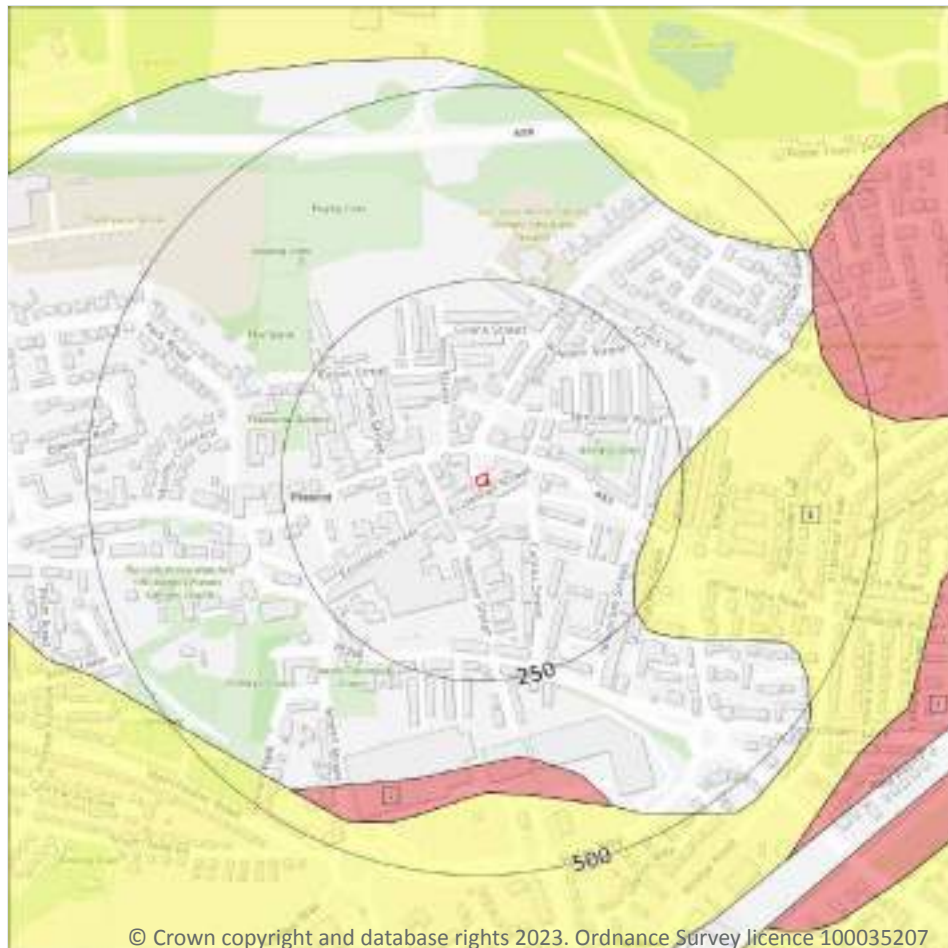
0

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



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

5.1 Superficial aquifer

Records within 500m

3

Aquifer status of groundwater held within superficial geology.

Features are displayed on the Hydrogeology map on [page 48 >](#)

ID	Location	Designation	Description
1	213m E	Secondary Undifferentiated	Assigned where it is not possible to attribute either category A or B to a rock type. In general these layers have previously been designated as both minor and non-aquifer in different locations due to the variable characteristics of the rock type
2	351m S	Secondary A	Permeable layers capable of supporting water supplies at a local rather than strategic scale, and in some cases forming an important source of base flow to rivers. These are generally aquifers formerly classified as minor aquifers

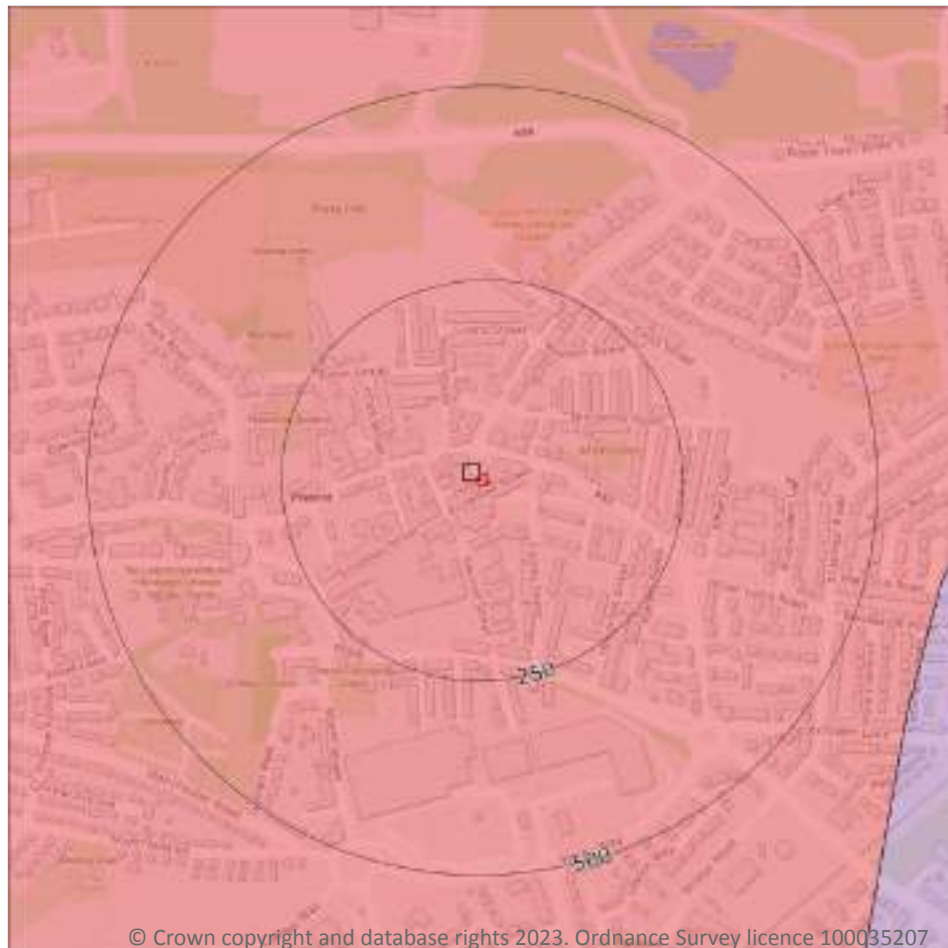


ID	Location	Designation	Description
3	457m E	Secondary A	Permeable layers capable of supporting water supplies at a local rather than strategic scale, and in some cases forming an important source of base flow to rivers. These are generally aquifers formerly classified as minor aquifers

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



Bedrock aquifer



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

5.2 Bedrock aquifer

Records within 500m

1

Aquifer status of groundwater held within bedrock geology.

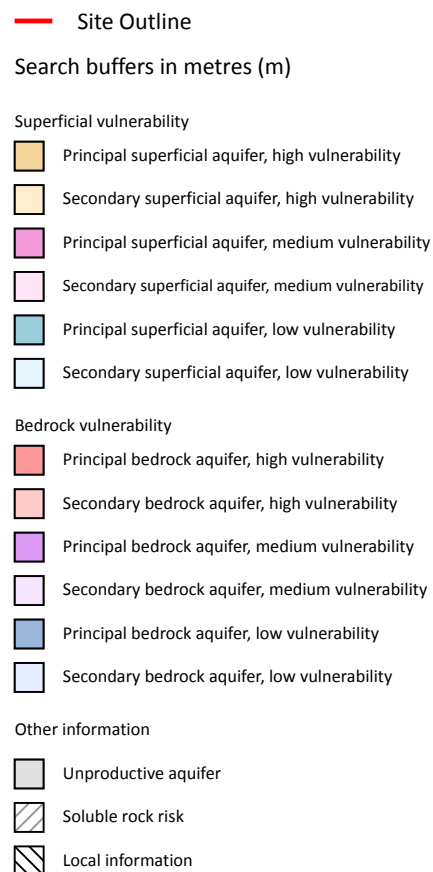
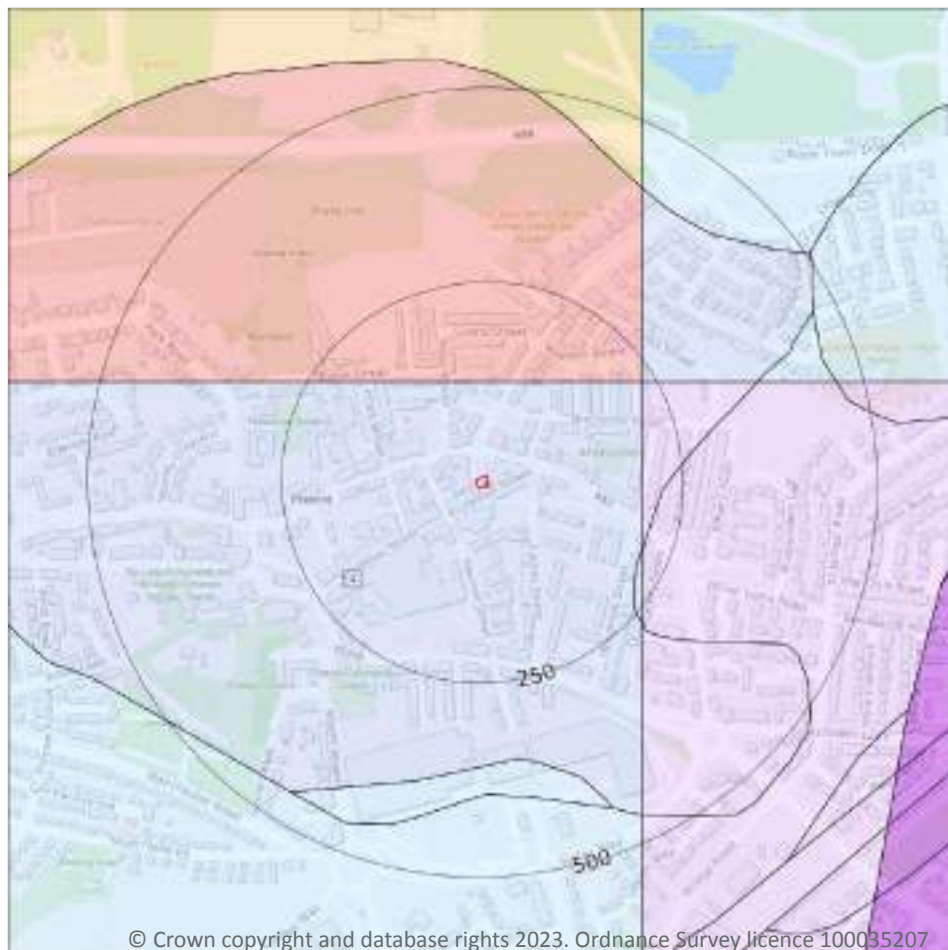
Features are displayed on the Bedrock aquifer map on [page 50](#) >

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.



Groundwater vulnerability



5.3 Groundwater vulnerability

Records within 50m

1

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 51](#) >



ID	Location	Summary	Soil / surface	Superficial geology	Bedrock geology
1	On site	Summary Classification: Secondary bedrock aquifer - Low Vulnerability Combined classification: Productive Bedrock Aquifer, No Superficial Aquifer	Leaching class: Low Infiltration value: <40% Dilution value: 300- 550mm/year	Vulnerability: - Aquifer type: - Thickness: 3-10m Patchiness value: <90% Recharge potential: Low	Vulnerability: Low Aquifer type: Secondary Flow mechanism: Well connected fractures

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

5.4 Groundwater vulnerability- soluble rock risk

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

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

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

5.5 Groundwater vulnerability- local information

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

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

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

Abstractions and Source Protection Zones



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

5.6 Groundwater abstractions

Records within 2000m

9

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

Features are displayed on the Abstractions and Source Protection Zones map on [page 53 >](#)

ID	Location	Details	
-	1421m SE	Status: Historical Licence No: 2569025072 Details: "Drinking, Cooking, Sanitary, Washing, (Small Garden) - Commercial/Industrial/Public Services" Direct Source: Ground Water - North West Region Point: "TWO BOREHOLES AT WHISTON HOSPITAL, PRESCOT, MERSEYSIDE" Data Type: Point Name: ST HELENS AND KNOWSLEY HOSPITALS Easting: 348000 Northing: 392100	Annual Volume (m ³): - Max Daily Volume (m ³): - Original Application No: - Original Start Date: 13/08/1992 Expiry Date: - Issue No: 100 Version Start Date: 13/08/1992 Version End Date: -
-	1421m SE	Status: Historical Licence No: 2569025072 Details: General use relating to Secondary Category (Medium Loss) Direct Source: Ground Water - North West Region Point: "TWO BOREHOLES AT WHISTON HOSPITAL, PRESCOT, MERSEYSIDE" Data Type: Point Name: ST HELENS AND KNOWSLEY HOSPITALS Easting: 348000 Northing: 392100	Annual Volume (m ³): - Max Daily Volume (m ³): - Original Application No: - Original Start Date: 13/08/1992 Expiry Date: - Issue No: 100 Version Start Date: 13/08/1992 Version End Date: -
-	1421m SE	Status: Historical Licence No: 2569025072 Details: General use relating to Secondary Category (Medium Loss) Direct Source: Ground Water - North West Region Point: TWO BOREHOLES AT WHISTON HOSPITAL, PRESCOT, MERSEYSIDE Data Type: Point Name: ST HELENS AND KNOWSLEY HOSPITALS Easting: 348000 Northing: 392100	Annual Volume (m ³): - Max Daily Volume (m ³): - Original Application No: - Original Start Date: 13/08/1992 Expiry Date: - Issue No: 100 Version Start Date: 13/08/1992 Version End Date: -
-	1421m SE	Status: Historical Licence No: 2569025072 Details: Drinking, Cooking, Sanitary, Washing, (Small Garden) - Commercial/Industrial/Public Services Direct Source: Ground Water - North West Region Point: TWO BOREHOLES AT WHISTON HOSPITAL, PRESCOT, MERSEYSIDE Data Type: Point Name: ST HELENS AND KNOWSLEY HOSPITALS Easting: 348000 Northing: 392100	Annual Volume (m ³): - Max Daily Volume (m ³): - Original Application No: - Original Start Date: 13/08/1992 Expiry Date: - Issue No: 100 Version Start Date: 13/08/1992 Version End Date: -



ID	Location	Details	
-	1497m E	Status: Historical Licence No: 2569025020 Details: Potable Water Supply - Direct Direct Source: Ground Water - North West Region Point: BOREHOLE AT ECCLESTON PARK RAILWAY STATION Data Type: Point Name: UNITED UTILITIES WATER PLC Easting: 348300 Northing: 392900	Annual Volume (m ³): 295490 Max Daily Volume (m ³): 986.482 Original Application No: - Original Start Date: 31/05/1966 Expiry Date: - Issue No: 100 Version Start Date: 10/07/1975 Version End Date: -
-	1928m E	Status: Historical Licence No: 2569025083 Details: Spray Irrigation - Direct Direct Source: Ground Water - North West Region Point: "BOREHOLE AT ECCLESTON PARK GOLF CLUB, RAINHILL, MERSEYSIDE" Data Type: Point Name: E P GOLF LTD Easting: 348710 Northing: 392580	Annual Volume (m ³): - Max Daily Volume (m ³): - Original Application No: - Original Start Date: 13/07/1999 Expiry Date: 12-Jul-04 Issue No: 2 Version Start Date: 26/10/2000 Version End Date: -
-	1928m E	Status: Historical Licence No: 2569025083 Details: Spray Irrigation - Direct Direct Source: Ground Water - North West Region Point: BOREHOLE AT ECCLESTON PARK GOLF CLUB, RAINHILL, MERSEYSIDE Data Type: Point Name: E P GOLF LTD Easting: 348710 Northing: 392580	Annual Volume (m ³): - Max Daily Volume (m ³): - Original Application No: - Original Start Date: 13/07/1999 Expiry Date: 12/07/2004 Issue No: 2 Version Start Date: 26/10/2000 Version End Date: -
-	1957m SE	Status: Historical Licence No: 2569028020 Details: Laundry Use Direct Source: Ground Water - North West Region Point: "BOREHOLE AT STONEY LANE, RAINHILL" Data Type: Point Name: THE SUNLIGHT SERVICES GROUP LTD Easting: 348100 Northing: 391400	Annual Volume (m ³): - Max Daily Volume (m ³): - Original Application No: - Original Start Date: 01/06/1993 Expiry Date: - Issue No: 101 Version Start Date: 24/10/1996 Version End Date: -
-	1957m SE	Status: Active Licence No: 2569028020 Details: Laundry Use Direct Source: Ground Water - North West Region Point: BOREHOLE AT STONEY LANE, RAINHILL Data Type: Point Name: Elis UK Limited Easting: 348100 Northing: 391400	Annual Volume (m ³): 118181.82 Max Daily Volume (m ³): 545.46 Original Application No: NPS/WR/034947 Original Start Date: 01/06/1993 Expiry Date: - Issue No: 103 Version Start Date: 20/01/2021 Version End Date: -



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

5.7 Surface water abstractions

Records within 2000m

2

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 53](#) >

ID	Location	Details	
-	902m W	Status: Historical Licence No: 2569028003 Details: Spray Irrigation - Direct Direct Source: "Surface, Non-Tidal - North West Region" Point: "LOGWOOD MILL BROOK AT LH'S PREMISES, PRESCOT, MERSEYSIDE" Data Type: Point Name: JAMES WHITAKER & SONS NURSERYMEN LTD Easting: 345900 Northing: 392700	Annual Volume (m ³): - Max Daily Volume (m ³): - Original Application No: - Original Start Date: 04/02/1966 Expiry Date: - Issue No: 100 Version Start Date: 01/03/1999 Version End Date: -
-	902m W	Status: Historical Licence No: 2569028003 Details: Spray Irrigation - Direct Direct Source: Surface, Non-Tidal - North West Region Point: LOGWOOD MILL BROOK AT LH'S PREMISES, PRESCOT, MERSEYSIDE Data Type: Point Name: JAMES WHITAKER & SONS NURSERYMEN LTD Easting: 345900 Northing: 392700	Annual Volume (m ³): 772.82 Max Daily Volume (m ³): 77.282 Original Application No: - Original Start Date: 04/02/1966 Expiry Date: - Issue No: 100 Version Start Date: 01/03/1999 Version End Date: -

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

5.8 Potable abstractions

Records within 2000m

3

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

Features are displayed on the Abstractions and Source Protection Zones map on [page 53](#) >



ID	Location	Details	
-	1421m SE	Status: Historical Licence No: 2569025072 Details: "Drinking, Cooking, Sanitary, Washing, (Small Garden) - Commercial/Industrial/Public Services" Direct Source: Ground Water - North West Region Point: "TWO BOREHOLES AT WHISTON HOSPITAL, PRESCOT, MERSEYSIDE" Data Type: Point Name: ST HELENS AND KNOWSLEY HOSPITALS Easting: 348000 Northing: 392100	Annual Volume (m ³): - Max Daily Volume (m ³): - Original Application No: - Original Start Date: 13/08/1992 Expiry Date: - Issue No: 100 Version Start Date: 13/08/1992 Version End Date: -
-	1421m SE	Status: Historical Licence No: 2569025072 Details: Drinking, Cooking, Sanitary, Washing, (Small Garden) - Commercial/Industrial/Public Services Direct Source: Ground Water - North West Region Point: TWO BOREHOLES AT WHISTON HOSPITAL, PRESCOT, MERSEYSIDE Data Type: Point Name: ST HELENS AND KNOWSLEY HOSPITALS Easting: 348000 Northing: 392100	Annual Volume (m ³): - Max Daily Volume (m ³): - Original Application No: - Original Start Date: 13/08/1992 Expiry Date: - Issue No: 100 Version Start Date: 13/08/1992 Version End Date: -
-	1497m E	Status: Historical Licence No: 2569025020 Details: Potable Water Supply - Direct Direct Source: Ground Water - North West Region Point: BOREHOLE AT ECCLESTON PARK RAILWAY STATION Data Type: Point Name: UNITED UTILITIES WATER PLC Easting: 348300 Northing: 392900	Annual Volume (m ³): 295490 Max Daily Volume (m ³): 986.482 Original Application No: - Original Start Date: 31/05/1966 Expiry Date: - Issue No: 100 Version Start Date: 10/07/1975 Version End Date: -

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

5.9 Source Protection Zones

Records within 500m	0
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Source Protection Zones define the sensitivity of an area around a potable abstraction site to contamination.

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



5.10 Source Protection Zones (confined aquifer)

Records within 500m

0

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

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



6 Hydrology



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

6.1 Water Network (OS MasterMap)

Records within 250m

0

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

This data is sourced from the Ordnance Survey.

6.2 Surface water features

Records within 250m

0

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



This data is sourced from the Ordnance Survey.

6.3 WFD Surface water body catchments

Records on site

1

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

Features are displayed on the Hydrology map on [page 59](#) >

ID	Location	Type	Water body catchment	Water body ID	Operational catchment	Management catchment
1	On site	River	Prescot Brook (Logwood Mill Brook)	GB112069060710	Ditton	Mersey Lower

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

6.4 WFD Surface water bodies

Records identified

1

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

Features are displayed on the Hydrology map on [page 59](#) >

ID	Location	Type	Name	Water body ID	Overall rating	Chemical rating	Ecological rating	Year
-	877m SW	River	Prescot Brook (Logwood Mill Brook)	GB112069060710 ↗	Poor	Fail	Poor	2019

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



6.5 WFD Groundwater bodies

Records on site

1

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

Features are displayed on the Hydrology map on [page 59](#) >

ID	Location	Name	Water body ID	Overall rating	Chemical rating	Quantitative	Year
2	On site	Sankey and Glaze Carboniferous aquifers	GB41202G100100 ↗	Poor	Poor	Good	2019

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



7 River and coastal flooding

7.1 Risk of flooding from rivers and the sea

Records within 50m

0

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

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

7.2 Historical Flood Events

Records within 250m

0

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

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

7.3 Flood Defences

Records within 250m

0

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

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



7.4 Areas Benefiting from Flood Defences

Records within 250m

0

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

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

7.5 Flood Storage Areas

Records within 250m

0

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

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

River and coastal flooding - Flood Zones

7.6 Flood Zone 2

Records within 50m

0

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

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

7.7 Flood Zone 3

Records within 50m

0

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

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



8 Surface water flooding

8.1 Surface water flooding

Highest risk on site

Negligible

Highest risk within 50m

Negligible

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

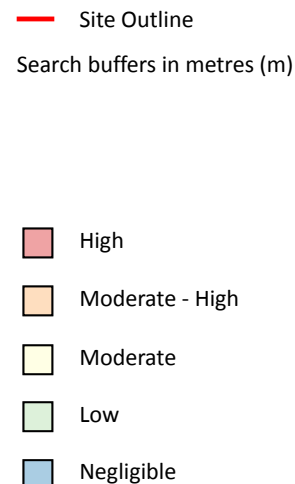
The data shown on the map and in the table above shows the highest likelihood of flood events happening at the site. Lower likelihood events may have greater flood depths and hence a greater potential impact on a site. The table below shows the maximum flood depths for a range of return periods for the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

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

This data is sourced from Ambiental Risk Analytics.



9 Groundwater flooding



9.1 Groundwater flooding

Highest risk on site

Negligible

Highest risk within 50m

Negligible

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

Features are displayed on the Groundwater flooding map on [page 66](#) >

This data is sourced from Ambient Risk Analytics.

10 Environmental designations



- Site Outline
- Search buffers in metres (m)
- Green Belt

10.1 Sites of Special Scientific Interest (SSSI)

Records within 2000m

0

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

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

10.2 Conserved wetland sites (Ramsar sites)

Records within 2000m**0**

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

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

10.3 Special Areas of Conservation (SAC)

Records within 2000m**0**

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

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

10.4 Special Protection Areas (SPA)

Records within 2000m**0**

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

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

10.5 National Nature Reserves (NNR)

Records within 2000m**0**

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

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

10.6 Local Nature Reserves (LNR)

Records within 2000m

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

4

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

Features are displayed on the Environmental designations map on [page 67 >](#)

ID	Location	Name	Local Authority name
1	420m N	Merseyside and Greater Manchester	Knowsley
2	510m NE	Merseyside and Greater Manchester	St. Helens
-	1360m E	Merseyside and Greater Manchester	St. Helens
-	1498m E	Merseyside and Greater Manchester	Knowsley

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

10.12 Proposed Ramsar sites

Records within 2000m

0

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

This data is sourced from Natural England.

10.13 Possible Special Areas of Conservation (pSAC)

Records within 2000m

0

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

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



10.14 Potential Special Protection Areas (pSPA)

Records within 2000m

0

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

This data is sourced from Natural England.

10.15 Nitrate Sensitive Areas

Records within 2000m

0

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

This data is sourced from Natural England.

10.16 Nitrate Vulnerable Zones

Records within 2000m

4

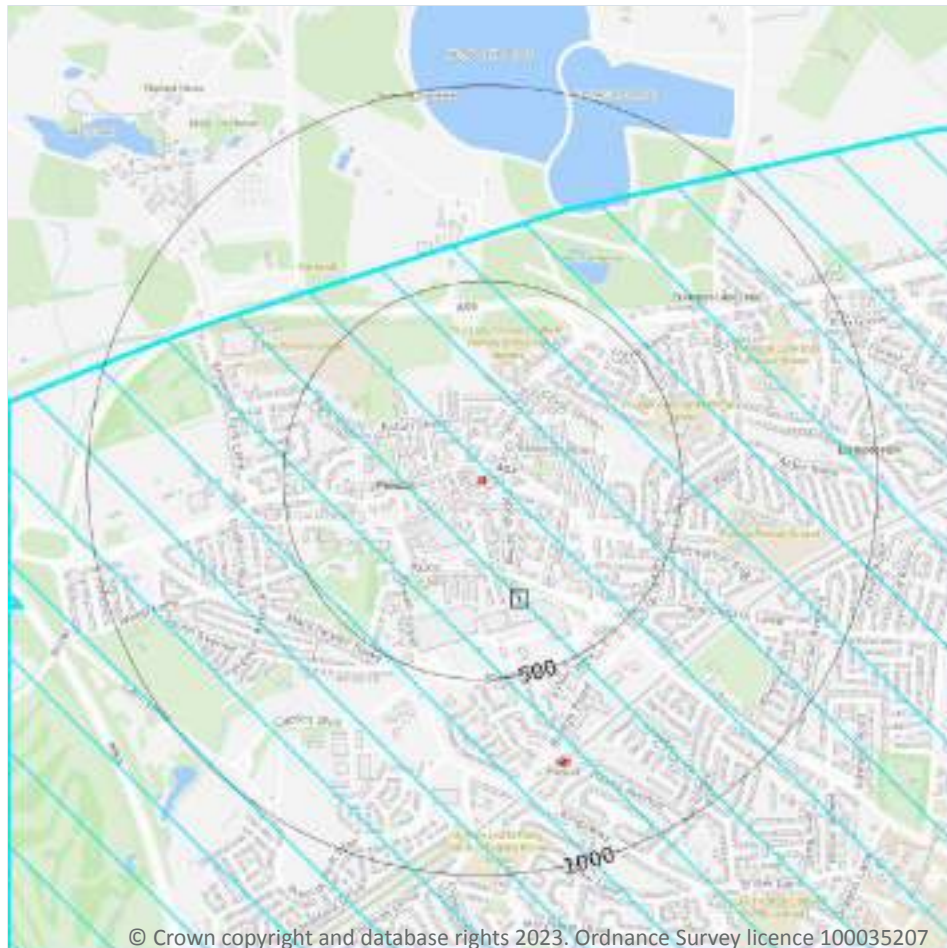
Areas at risk from agricultural nitrate pollution designated under the EC Nitrate Directive (91/676/EEC). These are areas of land that drain into waters polluted by nitrates. Farmers operating within these areas have to follow mandatory rules to tackle nitrate loss from agriculture.

Location	Name	Type	NVZ ID	Status
On site	Dittton Brook (Halewood to Mersey Estuary) NVZ	Surface Water	640	Existing
303m NE	Sankey Brook (Black Bk to Mersey) NVZ	Surface Water	639	Existing
1258m W	ALT NVZ	Surface Water	642	Existing
1639m NW	Dittton Brook (Halewood to Mersey Estuary) NVZ	Surface Water	640	Existing

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



SSSI Impact Zones and Units



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

10.17 SSSI Impact Risk Zones

Records on site

1

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

Features are displayed on the SSSI Impact Zones and Units map on [page 72 >](#)

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

This data is sourced from Natural England.

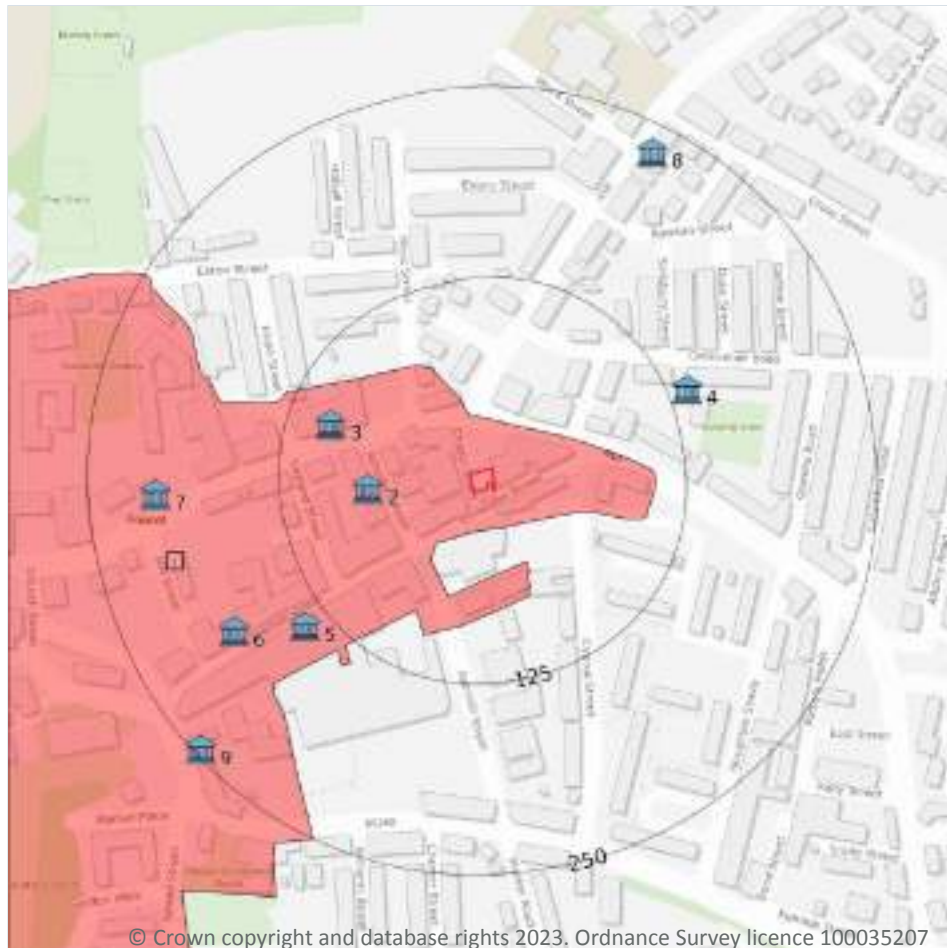
10.18 SSSI Units

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

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

11 Visual and cultural designations



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

11.1 World Heritage Sites

Records within 250m

0

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

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

11.2 Area of Outstanding Natural Beauty

Records within 250m

0

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

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

11.3 National Parks

Records within 250m

0

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

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

11.4 Listed Buildings

Records within 250m

8

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 74 >](#)

ID	Location	Name	Grade	Reference Number	Listed date
2	67m W	17, Atherton Street	II	1288245	21/05/1991
3	96m W	37, High Street	II	1199549	30/06/1980
4	138m NE	Number 20 Detached Workshop To Rear Of	II	1343472	21/05/1991
5	141m SW	30 Eccleston Street	II	1075503	09/12/1985
6	182m SW	21-23 Eccleston Street	II	1479948	30/03/2023
7	206m W	Number 11, Including Wall And Gatepiers	II	1075504	19/03/1951



ID	Location	Name	Grade	Reference Number	Listed date
8	232m NE	48 And 50, St Helens Road	II	1075505	19/03/1987
9	246m SW	Number 9 With Former Workshop To Rear	II	1075509	21/05/1991

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 74 >](#)

ID	Location	Name	District	Date of designation
1	On site	Prescot Town Centre, Knowsley	Knowsley	1974

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

11.6 Scheduled Ancient Monuments

Records within 250m

0

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

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

11.7 Registered Parks and Gardens

Records within 250m

0

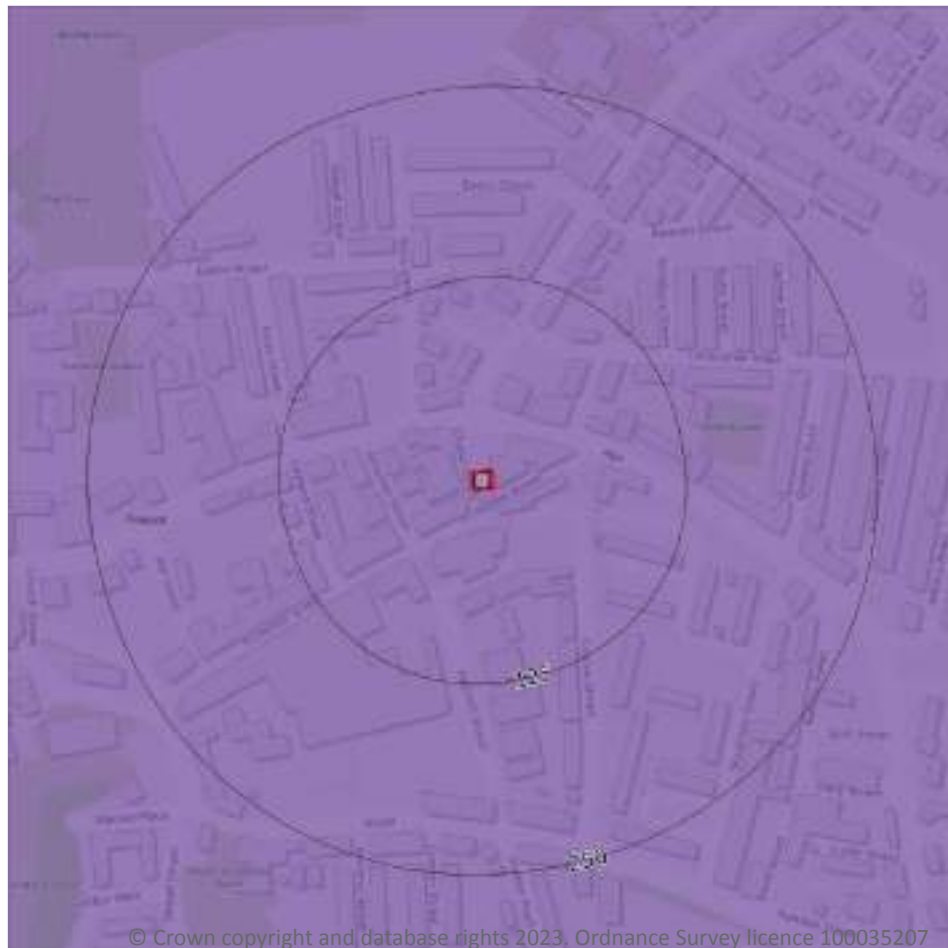
Parks and gardens assessed to be of particular interest and of special historic interest. The emphasis being on 'designed' landscapes, rather than on planting or botanical importance. Registration is a 'material consideration' in the planning process, meaning that planning authorities must consider the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



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



12 Agricultural designations



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

12.1 Agricultural Land Classification

Records within 250m

1

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

Features are displayed on the Agricultural designations map on [page 78](#) >

ID	Location	Classification	Description
1	On site	Urban	-

This data is sourced from Natural England.



12.2 Open Access Land

Records within 250m

0

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

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

12.3 Tree Felling Licences

Records within 250m

0

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

This data is sourced from the Forestry Commission.

12.4 Environmental Stewardship Schemes

Records within 250m

0

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

This data is sourced from Natural England.

12.5 Countryside Stewardship Schemes

Records within 250m

0

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

This data is sourced from Natural England.

13 Habitat designations

13.1 Priority Habitat Inventory

Records within 250m

0

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

This data is sourced from Natural England.

13.2 Habitat Networks

Records within 250m

0

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

This data is sourced from Natural England.

13.3 Open Mosaic Habitat

Records within 250m

0

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

This data is sourced from Natural England.

13.4 Limestone Pavement Orders

Records within 250m

0

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

This data is sourced from Natural England.



14 Geology 1:10,000 scale - Availability



- Site Outline
- Search buffers in metres (m)
- Full coverage
 - Partial coverage
 - No coverage

14.1 10k Availability

Records within 500m

1

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

Features are displayed on the Geology 1:10,000 scale - Availability map on [page 81](#) >

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

This data is sourced from the British Geological Survey.



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

14.2 Artificial and made ground (10k)

Records within 500m

0

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

This data is sourced from the British Geological Survey.



Geology 1:10,000 scale - Superficial

14.3 Superficial geology (10k)

Records within 500m

0

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

This data is sourced from the British Geological Survey.

14.4 Landslip (10k)

Records within 500m

0

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

This data is sourced from the British Geological Survey.



Geology 1:10,000 scale - Bedrock

14.5 Bedrock geology (10k)

Records within 500m

0

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

This data is sourced from the British Geological Survey.

14.6 Bedrock faults and other linear features (10k)

Records within 500m

0

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

This data is sourced from the British Geological Survey.



15 Geology 1:50,000 scale - Availability



- Site Outline
- Search buffers in metres (m)
- ☐ Geological map tile

15.1 50k Availability

Records within 500m

1

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

Features are displayed on the Geology 1:50,000 scale - Availability map on [page 85](#) >

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

This data is sourced from the British Geological Survey.



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

15.2 Artificial and made ground (50k)

Records within 500m

0

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

This data is sourced from the British Geological Survey.

15.3 Artificial ground permeability (50k)

Records within 50m

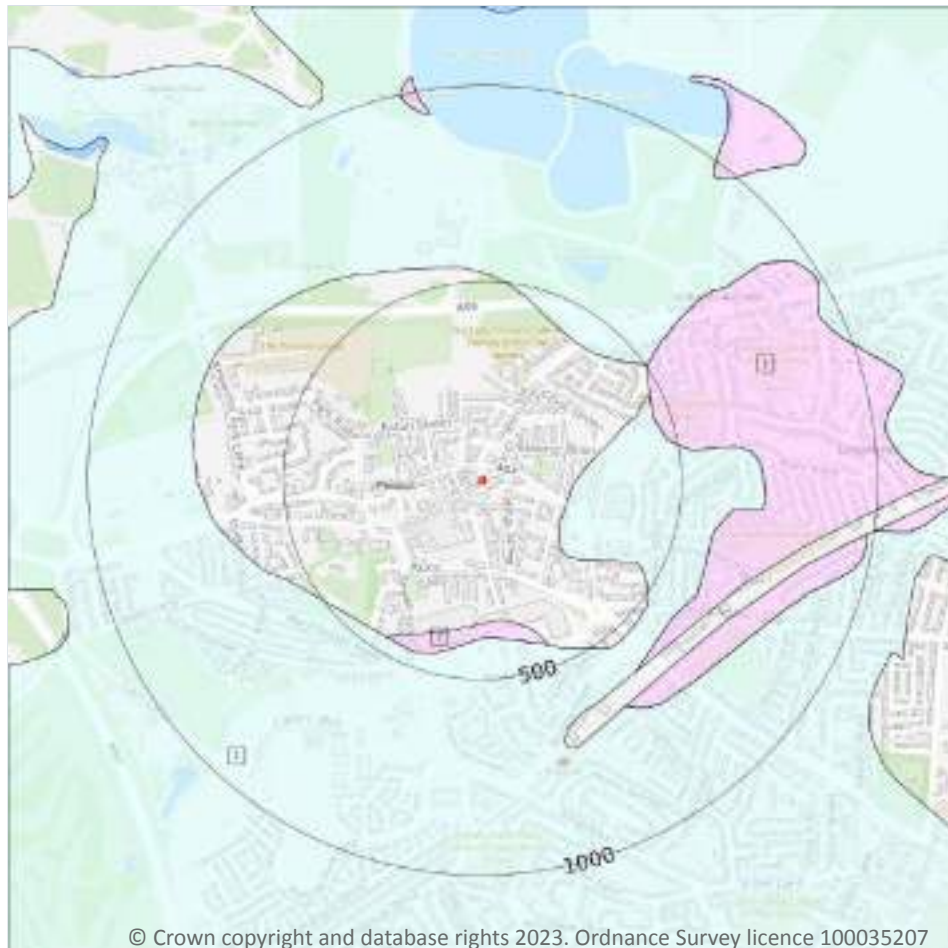
0

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

This data is sourced from the British Geological Survey.



Geology 1:50,000 scale - Superficial



Site Outline

Search buffers in metres (m)

Landslip (50k)

Superficial geology (50k)
Please see table for more details.

15.4 Superficial geology (50k)

Records within 500m

3

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 87](#) >

ID	Location	LEX Code	Description	Rock description
1	213m E	TILLD-DMTN	TILL, DEVENSIAN	DIAMICTON
2	351m S	GFDUD-XSV	GLACIOFLUVIAL DEPOSITS, DEVENSIAN	SAND AND GRAVEL
3	457m E	GFDUD-XSV	GLACIOFLUVIAL DEPOSITS, DEVENSIAN	SAND AND GRAVEL

This data is sourced from the British Geological Survey.



15.5 Superficial permeability (50k)

Records within 50m

0

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

This data is sourced from the British Geological Survey.

15.6 Landslip (50k)

Records within 500m

0

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

This data is sourced from the British Geological Survey.

15.7 Landslip permeability (50k)

Records within 50m

0

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

This data is sourced from the British Geological Survey.



Geology 1:50,000 scale - Bedrock



— Site Outline

Search buffers in metres (m)

.... Bedrock faults and other linear features (50k)

Bedrock geology (50k)
Please see table for more details.

15.8 Bedrock geology (50k)

Records within 500m

14

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

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

ID	Location	LEX Code	Description	Rock age
1	On site	PLCM-SDST	PENNINE LOWER COAL MEASURES FORMATION - SANDSTONE	WESTPHALIAN
2	52m NE	PLCM-MDSS	PENNINE LOWER COAL MEASURES FORMATION - MUDSTONE, SILTSTONE AND SANDSTONE	WESTPHALIAN



ID	Location	LEX Code	Description	Rock age
3	105m S	PLCM-MDSS	PENNINE LOWER COAL MEASURES FORMATION - MUDSTONE, SILTSTONE AND SANDSTONE	WESTPHALIAN
5	205m S	PLCM-MDSS	PENNINE LOWER COAL MEASURES FORMATION - MUDSTONE, SILTSTONE AND SANDSTONE	WESTPHALIAN
6	246m S	PLCM-SDST	PENNINE LOWER COAL MEASURES FORMATION - SANDSTONE	WESTPHALIAN
9	397m E	PMCM-MDSS	PENNINE MIDDLE COAL MEASURES FORMATION - MUDSTONE, SILTSTONE AND SANDSTONE	WESTPHALIAN
12	412m W	PLCM-SDST	PENNINE LOWER COAL MEASURES FORMATION - SANDSTONE	WESTPHALIAN
13	413m W	PLCM-SDST	PENNINE LOWER COAL MEASURES FORMATION - SANDSTONE	WESTPHALIAN
15	424m W	PLCM-MDSS	PENNINE LOWER COAL MEASURES FORMATION - MUDSTONE, SILTSTONE AND SANDSTONE	WESTPHALIAN
17	451m SE	PMCM-MDSS	PENNINE MIDDLE COAL MEASURES FORMATION - MUDSTONE, SILTSTONE AND SANDSTONE	WESTPHALIAN
19	458m SW	PLCM-MDSS	PENNINE LOWER COAL MEASURES FORMATION - MUDSTONE, SILTSTONE AND SANDSTONE	WESTPHALIAN
21	471m SW	PLCM-MDSS	PENNINE LOWER COAL MEASURES FORMATION - MUDSTONE, SILTSTONE AND SANDSTONE	WESTPHALIAN
22	481m W	PLCM-MDSS	PENNINE LOWER COAL MEASURES FORMATION - MUDSTONE, SILTSTONE AND SANDSTONE	WESTPHALIAN
24	483m SW	PLCM-SDST	PENNINE LOWER COAL MEASURES FORMATION - SANDSTONE	WESTPHALIAN

This data is sourced from the British Geological Survey.

15.9 Bedrock permeability (50k)

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

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

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

This data is sourced from the British Geological Survey.



15.10 Bedrock faults and other linear features (50k)

Records within 500m

11

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

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

ID	Location	Category	Description
4	140m N	ROCK	Coal seam, inferred
7	246m S	ROCK	Coal seam, inferred
8	384m N	ROCK	Coal seam, inferred
10	397m E	FAULT	Fault, inferred
11	412m W	FAULT	Fault, inferred
14	413m W	FAULT	Fault, observed
16	424m W	ROCK	Coal seam, inferred
18	451m SE	FOSSIL_HORIZON	Marine band
20	458m SW	ROCK	Coal seam, inferred
23	481m W	ROCK	Coal seam, inferred
25	483m SW	ROCK	Coal seam, inferred

This data is sourced from the British Geological Survey.



16 Boreholes



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— Site Outline
Search buffers in metres (m)

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

16.1 BGS Boreholes

Records within 250m

5

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 92](#) >

ID	Location	Grid reference	Name	Length	Confidential	Web link
A	221m SW	346620 392720	TSB PRESCOT TP2	1.7	N	165857 ↗
A	223m SW	346610 392730	TSB PRESCOT TP1	1.7	N	165856 ↗
1	227m NW	346580 392970	NURSING HOME PRESCOTT 1	40.0	N	165875 ↗

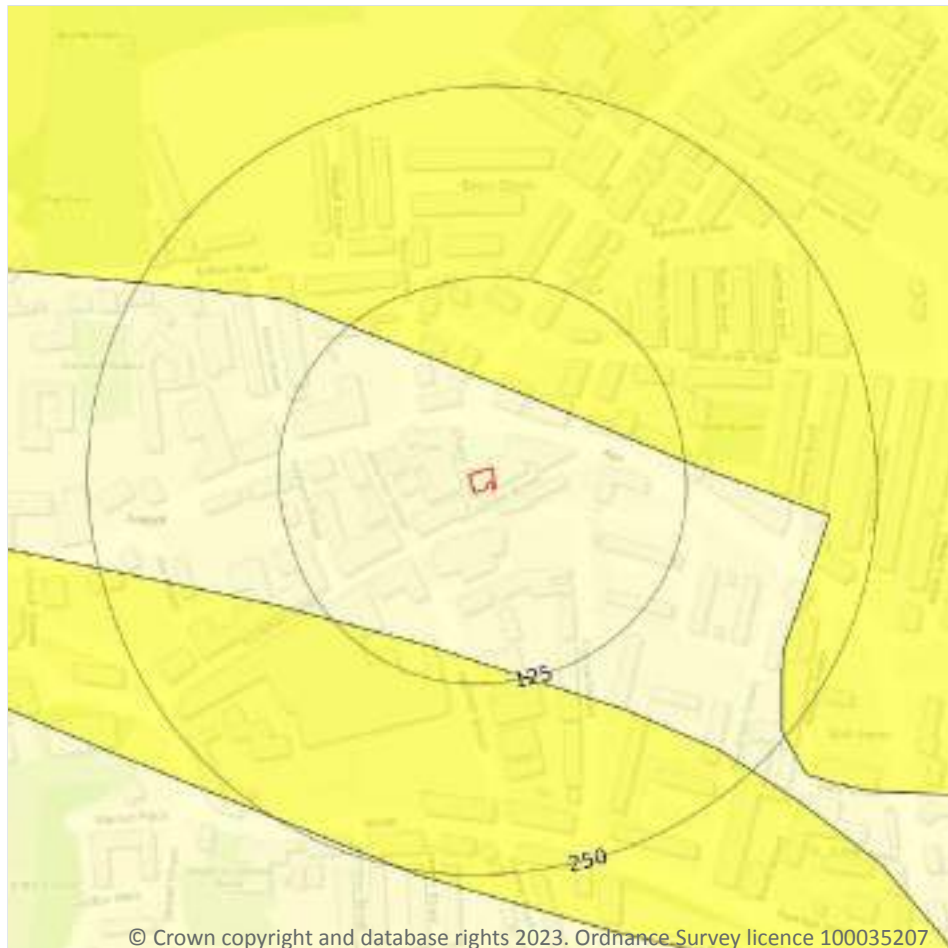


ID	Location	Grid reference	Name	Length	Confidential	Web link
2	227m W	346560 392900	NURSING HOME PRESCOTT 3	26.0	N	165877 ↗
3	242m W	346550 392930	NURSING HOME PRESCOTT 2	36.0	N	165876 ↗

This data is sourced from the British Geological Survey.



17 Natural ground subsidence - Shrink swell clays



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

17.1 Shrink swell clays

Records within 50m

1

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

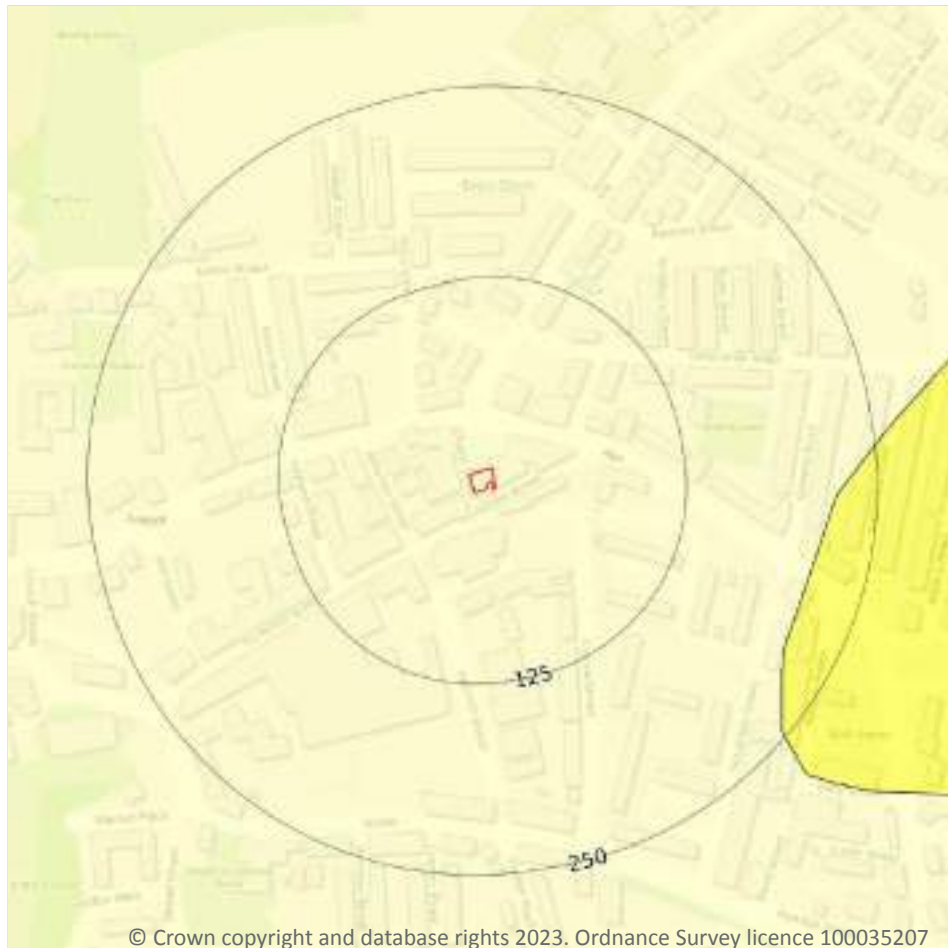
Features are displayed on the Natural ground subsidence - Shrink swell clays map on [page 94 >](#)

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



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

17.2 Running sands

Records within 50m

1

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

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

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

This data is sourced from the British Geological Survey.



Natural ground subsidence - Compressible deposits



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

17.3 Compressible deposits

Records within 50m

1

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

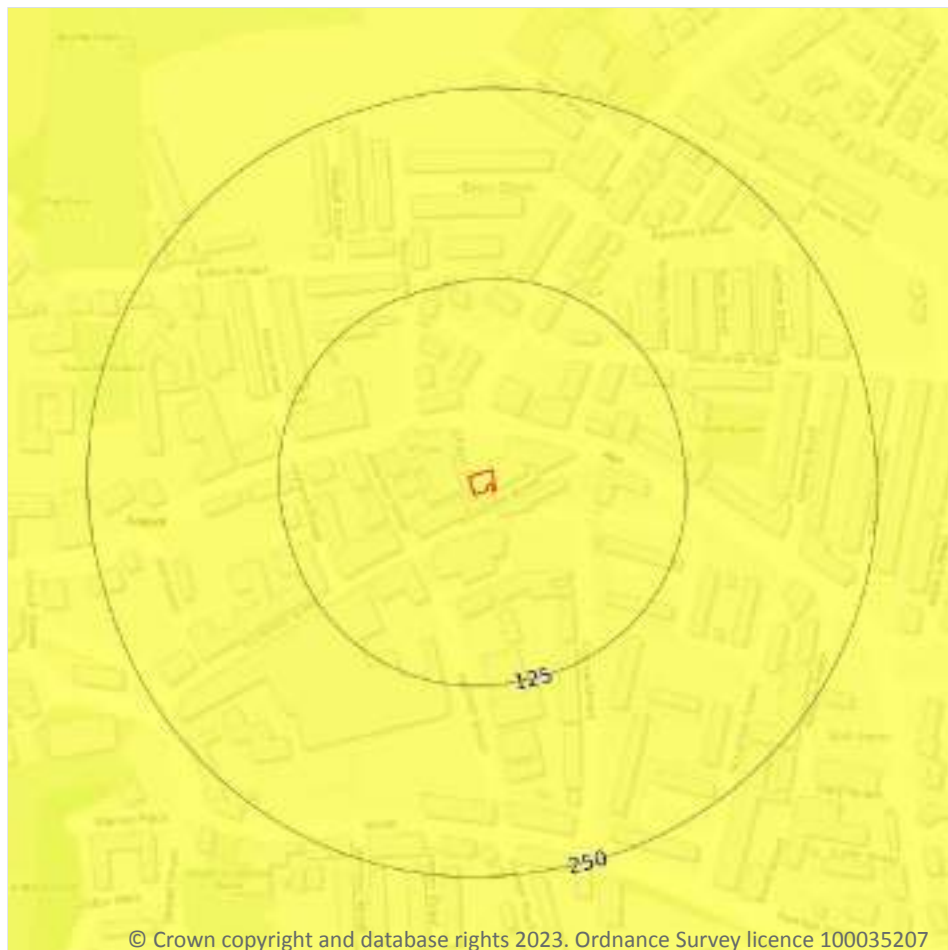
Features are displayed on the Natural ground subsidence - Compressible deposits map on [page 96 >](#)

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



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

17.4 Collapsible deposits

Records within 50m

1

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

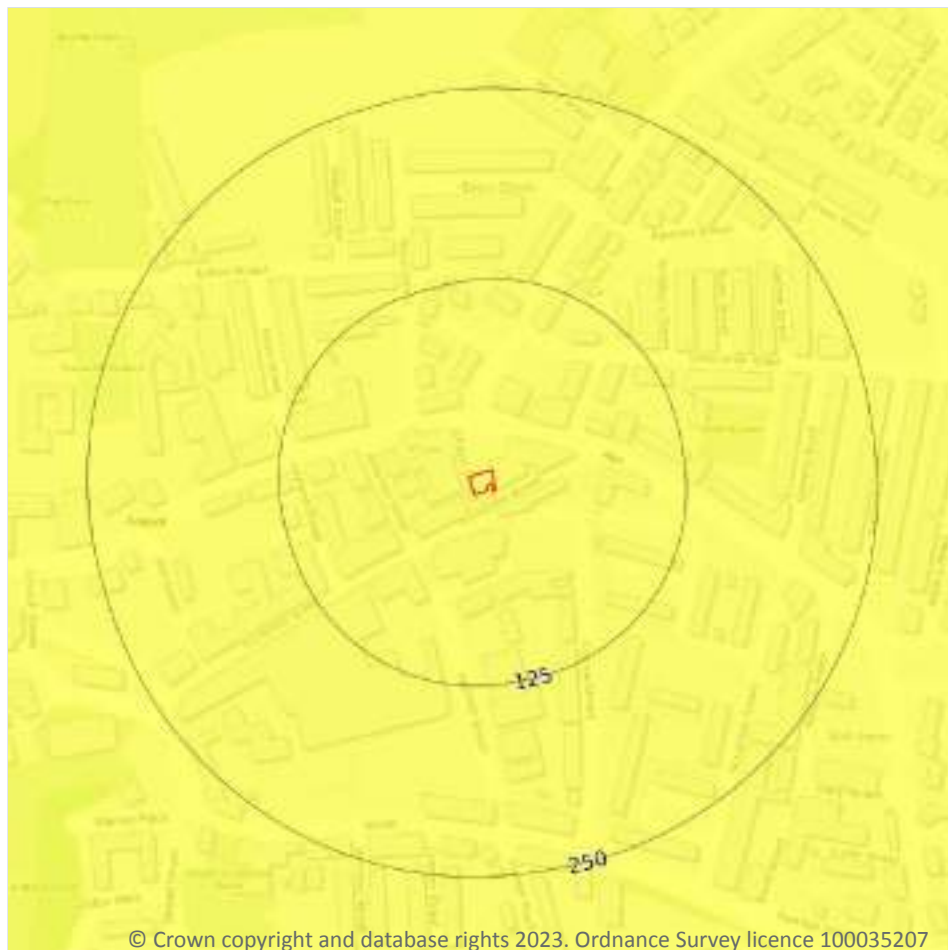
Features are displayed on the Natural ground subsidence - Collapsible deposits map on [page 97 >](#)

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

This data is sourced from the British Geological Survey.



Natural ground subsidence - Landslides



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

17.5 Landslides

Records within 50m

1

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

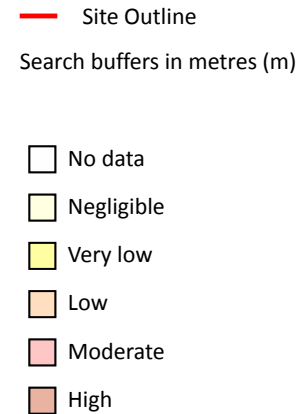
Features are displayed on the Natural ground subsidence - Landslides map on [page 98](#) >

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



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



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

18.1 BritPits

Records within 500m

1

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

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

ID	Location	Details	Description
C	482m S	Name: Prescott Address: PRESCOT, Merseyside Commodity: Sandstone Status: Ceased	Type: A surface mineral working. It may be termed Quarry, Sand Pit, Clay Pit or Opencast Coal Site Status description: Site which, at date of entry, has ceased to extract minerals. May be considered as Closed by operator. May be considered to have Active, Dormant or Expired planning permissions by Mineral Planning Authority

This data is sourced from the British Geological Survey.

18.2 Surface ground workings

Records within 250m	1
----------------------------	----------

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
1	187m NW	Unspecified Ground Workings	1925	1:10560

This is data is sourced from Ordnance Survey/Groundsure.

18.3 Underground workings

Records within 1000m	6
-----------------------------	----------

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

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

ID	Location	Land Use	Year of mapping	Mapping scale
B	526m S	Unspecified Old Shaft	1906	1:10560
B	530m S	Unspecified Old Shaft	1925	1:10560
B	540m S	Unspecified Old Shaft	1891	1:10560
J	599m S	Unspecified Old Shaft	1906	1:10560
J	603m S	Unspecified Old Shaft	1891	1:10560
J	603m S	Unspecified Old Shaft	1925	1:10560

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**1**

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

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

ID	Location	Name	Commodity	Class	Likelihood
12	665m E	Not available	Vein Mineral	A	Underground mine workings are uncommon, although the geology is similar to that worked elsewhere. Potential for difficult ground conditions are unlikely and are at a level where they need not be considered.

This data is sourced from the British Geological Survey.

18.7 JPB mining areas

Records on site**0**

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

This data is sourced from Johnson Poole and Bloomer.



18.8 The Coal Authority non-coal mining

Records within 500m**0**

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

This data is sourced from The Coal Authority.

18.9 Researched mining

Records within 500m**1**

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

Location	Mineral type
429m S	Stone

This data is sourced from Groundsure.

18.10 Mining record office plans

Records within 500m**0**

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

This data is sourced from Groundsure.

18.11 BGS mine plans

Records within 500m**0**

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

This data is sourced from Groundsure.



18.12 Coal mining

Records on site	1
-----------------	---

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

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

This data is sourced from the Coal Authority.

18.13 Brine areas

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

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

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

18.14 Gypsum areas

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

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

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



19 Ground cavities and sinkholes

19.1 Natural cavities

Records within 500m

0

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

This data is sourced from Stantec UK Ltd.

19.2 Mining cavities

Records within 1000m

0

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

This data is sourced from Stantec UK Ltd.

19.3 Reported recent incidents

Records within 500m

0

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

This data is sourced from Groundsure.

19.4 Historical incidents

Records within 500m

0

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

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



This data is sourced from Groundsure.

19.5 National karst database

Records within 500m

0

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

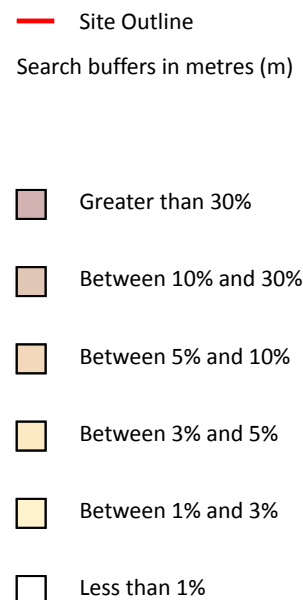
Since the database was set up in 2002 data covering most of the evaporite karst areas of the UK have now been added, along with data covering about 60% of the Chalk, and 35% of the Carboniferous Limestone outcrops. Many of the classic upland karst areas have yet to be included. Recorded so far are: Over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

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

This data is sourced from the British Geological Survey.



20 Radon



20.1 Radon

Records on site

1

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

Features are displayed on the Radon map on [page 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

1

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

Location	Arsenic	Bioaccessible Arsenic	Lead	Bioaccessible Lead	Cadmium	Chromium	Nickel
On site	15 - 25 mg/kg	No data	100 - 200 mg/kg	60 - 120 mg/kg	1.8 - 2.2 mg/kg	90 - 120 mg/kg	15 - 30 mg/kg

This data is sourced from the British Geological Survey.

21.2 BGS Estimated Urban Soil Chemistry

Records within 50m

0

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

This data is sourced from the British Geological Survey.

21.3 BGS Measured Urban Soil Chemistry

Records within 50m

0

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

This data is sourced from the British Geological Survey.



22 Railway infrastructure and projects

22.1 Underground railways (London)

Records within 250m**0**

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

This data is sourced from publicly available information by Groundsure.

22.2 Underground railways (Non-London)

Records within 250m**0**

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

This data is sourced from publicly available information by Groundsure.

22.3 Railway tunnels

Records within 250m**0**

Railway tunnels taken from contemporary Ordnance Survey mapping.

This data is sourced from the Ordnance Survey.

22.4 Historical railway and tunnel features

Records within 250m**0**

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

This data is sourced from Ordnance Survey/Groundsure.

22.5 Royal Mail tunnels

Records within 250m**0**

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



This data is sourced from Groundsure/the Postal Museum.

22.6 Historical railways

Records within 250m

0

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

This data is sourced from OpenStreetMap.

22.7 Railways

Records within 250m

0

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

This data is sourced from Ordnance Survey and OpenStreetMap.

22.8 Crossrail 1

Records within 500m

0

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

This data is sourced from publicly available information by Groundsure.

22.9 Crossrail 2

Records within 500m

0

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

This data is sourced from publicly available information by Groundsure.

22.10 HS2

Records within 500m

0

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

This data is sourced from HS2 Ltd.



Data providers

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

Terms and conditions

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



APPENDIX C

BGS Borehole Records



Client: TSB Bank PLC

Location: TSB Prescott

HAND EXCAVATED TRIAL PIT

Project Ref:

Job No. 8571

Ground Level (m AOD)

Co-ordinates E N

Trial Pit No.

TP2

DESCRIPTION OF STRATA

Reduced Level m AOD	Strata Legend	Depth (Thickness) m
		0.18
		0.12
		0.30
		1.25
		1.70

MADE GROUND (Reinforced concrete)

MADE GROUND (Hardcore)

MADE GROUND (Soft black sandy clay and fine to coarse gravel of red brick with sandstone cobbles)

Firm light brown sandy CLAY with some fine to medium gravel

trial pit complete

Field Records Samples

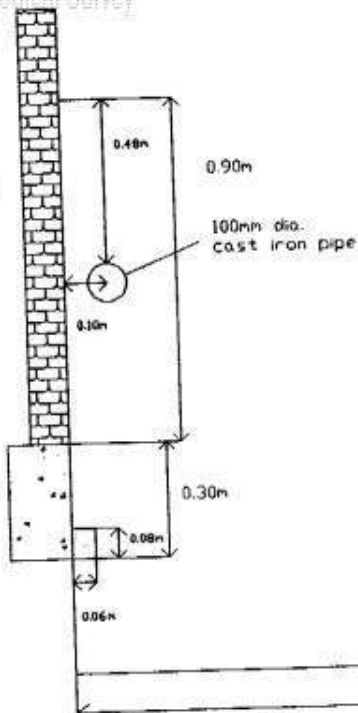
Cohesion (kN/m²) Depth (m) Type & No.

0.50 D 1

1.25 U 1

1.50 U 2

Brick Work Wall of Building



Scale 1:50

Remarks

- 1) Pit dimensions 1.00m x 0.65m x 1.50m
- 2) No groundwater encountered

Plan

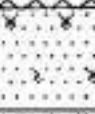
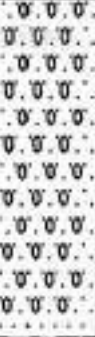
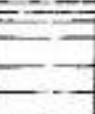
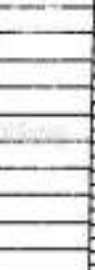
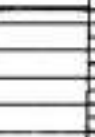
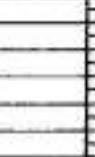
Logged By	msw	DATE	19/12
Checked By:			
Approved By:			

STRATA SURVEYS LTD., 4658 9297
HOLMES CHAPEL ROAD, SJ49SE
MIDDLEWICH, CHESHIRE. CW10 0JB 246
Telephone: 0606 84 4637 Fax: 0606 84 6657

Borehole Number : RH1
Sheet 1 of 2.
Depth 0 to 20 metres
Dates : 25th May 1989

Job Number : 4909 Location : Prescot
Client : McFay Developments Ltd.

Dia. & Drilling Methods
Dando 250 Rotary Open Hole (150mm and 96mm
Dia) with Air Flush

Description of Strata	Red. Level	Legend	Depth	Thick- ness	Tests	Remarks	Daily Prog.
Soil and Ash, MADE GROUND.			0.00				
				(2.40)			
deep grey silty SAND			2.40				
				(1.50)			
wet red SAND and GRAVEL			3.90				
				(5.10)			
dark grey and black coal SHALE with traces of coal ... wet			9.00	(0.15)		9.0m. Cased with HX casing	
grey MUDSTONE				(5.65)		9.15m. wet	
				(0.20)			
grey SILTSTONE			14.80				
grey MUDSTONE				(4.25)			
				(0.50)			
grey SILTSTONE			19.25				
grey MUDSTONE			20.00	(1.25)			
Borehole Continued							

Key : Progress / Water Levels
— Borehole Depth
- - - Casing Depth
□ Water Level

In-Situ Tests
N N Value
C CPT Value

General Remarks :
Site access blocked on 24th May, JCB to make
entrance.
Cased to 9.0m.

Drilled by: D Piggott Logged by: Driller

STRATA SURVEYS LTD., 4658 9297 HOLMES CHAPEL ROAD, SJ49SE MIDDLEWICH, CHESHIRE. CW10 0JB 246 Telephone: 0606 84 4637 Fax: 0606 84 6657		Borehole Number : RH1 Sheet 2 of 2. Depth 20 to 40 metres Dates : 25th May 1989					
Job Number : 4909 Location : Prescot Client : McFay Developments Ltd.		Dia. & Drilling Methods Dando 250 Rotary Open Hole (150mm and 96mm Dia) with Air Flush					
Description of Strata	Red. Level	Legend	Depth	Thick-ness	Tests	Remarks	Daily Prog.
grey MUDDSTONE			20.00	(1.25)			
light grey silty MUDDSTONE			21.00	(4.65)			
MUDDSTONE			25.85	(1.65)			
COAL and SHALE, wet			27.50	(1.10)			
SEAT EARTH			28.60	(0.50)		28.6m. wet	
grey MUDDSTONE			29.10	(1.90)			
hard grey SILTSTONE.		x x x x	31.00	(9.00)			
Borehole Completed			40.00				
Key : Progress / Water Levels — Borehole Depth — Casing Depth T Water Level		In-Situ Tests N N Value C CPT Value		General Remarks : Site access blocked on 24th May, JCB to make entrance. Cased to 9.0m.			
Drilled by: D Piggott		Logged by: Driller					

APPENDIX D

Preliminary Conceptual Model

POTENTIAL RECEPTOR	COMMENTS	Include in PCM
PROPERTY: Other		
On Site		
Crops	None intended on site	✗
Domestic Produce	May be grown in residential gardens	✗
Livestock	None anticipated on site	✗
Domestic Animals	May be owned by residents	✓
Game	None on site	✗
Off Site		
Crops	No fields surrounding site	✗
Domestic Produce	Possibly in houses in vicinity of the site	✓
Livestock	No fields surrounding site	✗
Domestic Animals	May belong to adjacent residents	✓
Game	Unlikely	✗
PROPERTY: Buildings		
On Site		
	Residential Properties, services, flora	✓
Off Site		
	Residential Properties, services, flora	✓
HUMANS		
On Site		
Residents	Future Residents	✓
Construction workers	During ground excavations	✓
Employees	Landscape Gardeners	✗
Surface water users	No current surface water abstractions located on site	✗
Off Site		
Residents	Residents adjacent to the site	✓
Recreational users	Recreational walkers	✓
Groundwater users	No groundwater abstractions within 250 m.	✗
Controlled Waters		
On Site		
Surface Waters	There are no surface water features located on site.	✗
Groundwater	The bedrock is classified as a Secondary A Aquifer and is considered significant receptor.	✓
Off Site		
Controlled Waters	There are no surface water feature on site or within 250 m of the site.	✗
Ecological Systems		
On/Off Site		
SSSIs, national nature reserves, SACs etc	None on site or located within 250 m of the site	✗

Table A: Potential Receptors to be Considered in the Preliminary Conceptual Model

Link	Source	Hazard	Transport Mechanism	Pathway	Medium of Exposure	Receptor	Risk Summary*
1	Contaminated soils	Direct contact /ingestion of soil or dust	Direct contact with contaminated soil	Dermal contact/ingestion of soil at surface	Soil	Humans (on-site/off-site), domestic pets	Low
2	Contaminated soils	Particulate inhalation	Wind blown particulates	Inhalation of particulates	Air	Humans (on-site/off-site), domestic pets	Low
3	Contaminated Soils	Vapour Inhalation	Volatilisation of organic compounds through unsaturated zone of soil leading to inhalation and /or ground gas migrating into properties on site	Inhalation of Vapours	Air	Humans (on-site/off-site, domestic pets)	Low
4	Contaminated Soils	Damage to structure/services	Direct contact of contaminants with building structures/services	Direct contact	Soil/Water	Flora, services	Low
5	Contaminated Soils	Pollution of underlying groundwater	Dissolution or suspension of contaminants into groundwaters (Bedrock Secondary A Aquifer)	Dissolution or Suspension	Water	Groundwaters	Low

Table B: Preliminary Conceptual Model

***Relative Risk Screening and Prioritisation for further Investigation & or Assessment**

High	Higher probability of occurrence and identification of primary sources of contamination with respect to most sensitive receptors.
Medium	Pollutant linkage generally dependent on the presence of other primary pollutant linkages and/or where pollutant linkage generally associated with less sensitive receptors.
Low	Lower probability of occurrence such as based on requirement for significant migration pathway or where pollutant linkage requires the presence of source contaminants at concentration likely to be much higher than other identified pollutant linkages.

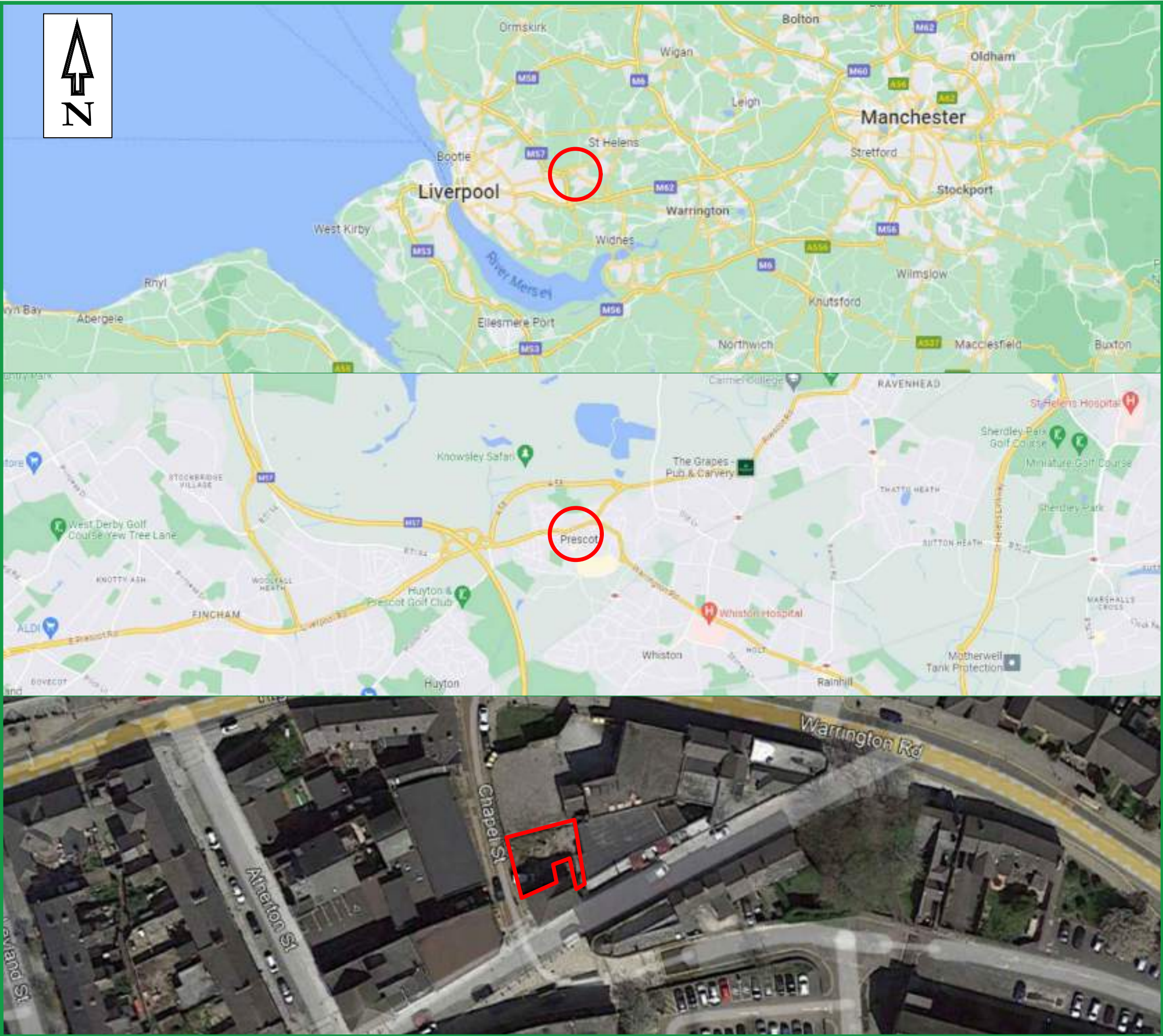
APPENDIX E

Site Photographs

				
P1: A view looking south-east across the site	P2: Access off Chaple Street to the west of the site.			
				
P3: Concrete hardstanding made ground to the west of the site	P4: Restaurant with associated infrastructure located immediately east of the site			
				
P5: The south-east corner of the site occupied by household waste	P6: Mosaic tiles located in the western section of the site.			
Comments:	 GEO-ENVIRONMENTAL CONSULTING ENGINEERS			
	Photographs 1 to 6			
	This appendix is for illustrative purposes only and is for use only in conjunction with associated reports relating to the project	Site: Land Off Chapel Street Knowsley	Project No: 23094	Created By: M Leigh-Monk
	Title: Appendix D - Site Photographs	Client: Kabir Sharif		

APPENDIX F

Drawings



LEGEND

— SITE LOCATION

REV	DESCRIPTION	DATE	BY



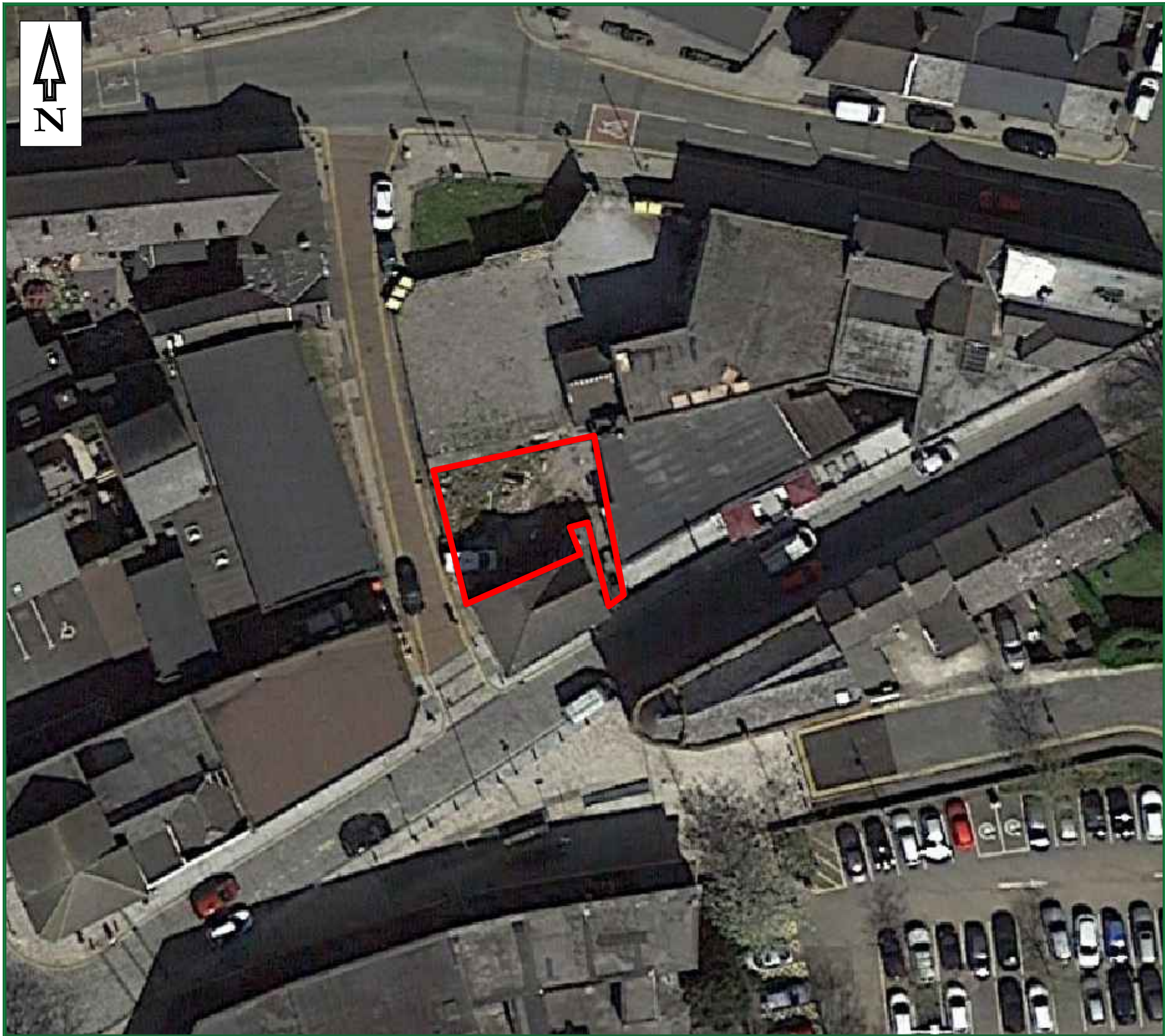
Suite One, No 3 Mitton Road Business Park,
Mitton Road, Whalley, Lancashire, BB7 9YE
Tel: 01254 377 622
Email: mbuckley@bekenviro.co.uk
Web: www.bekenviro.co.uk

CLIENT.
KABIR SHARIF

JOB TITLE.
CHAPEL STREET, KNOWLSLEY

DRAWING TITLE.
SITE LOCATION PLAN

SCALE © A3. N'TS	DRAWN BY. D.E.	APPROVED BY. M.B.	DATE. 21/07/23
DRAWING No. 23094-1			REV. -



LEGEND

— SITE FOOTPRINT

REV	DESCRIPTION	DATE	BY



Suite One, No 3 Mitton Road Business Park,
Mitton Road, Whalley, Lancashire, BB7 9YE
Tel: 01254 377 622
Email: mbuckley@bekenviro.co.uk
Web: www.bekenviro.co.uk

CLIENT.	KABIR SHARIF
---------	--------------

JOB TITLE.	CHAPEL STREET, KNOWLSLEY
------------	--------------------------

DRAWING TITLE.	SITE LAYOUT PLAN
----------------	------------------

SCALE @ A3. N'TS	DRAWN BY. D.E.	APPROVED BY. M.B.	DATE. 21/07/23
DRAWING No. 23094-2			REV. -