



**INVESTIGATE**



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## **DESK STUDY WITH WALKOVER SURVEY**

**FOR  
CRAVENWOOD PRIMARY ACADEMY,  
CRAVENWOOD ROAD,  
CRUMPSALL,  
GREATER MANCHESTER,**

**PREPARED FOR  
CRAVENWOOD PRIMARY ACADEMY**

**REPORT NO. 7077B  
JUNE 2021**

**SUB SURFACE NORTH WEST LIMITED**

3 Peel Street  
Preston  
Lancashire  
PR2 2QS

Tel: (01772) 561135 Fax: (01772) 204907

Email: [preston@subsurface.co.uk](mailto:preston@subsurface.co.uk)

Website: [www.subsurface.co.uk](http://www.subsurface.co.uk)



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## EXECUTIVE SUMMARY

This executive summary is a brief summary only and should be read in conjunction with the full report.

| Section                                                                                                           | Subject                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | Summary                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
|-------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Site Details</b>                                                                                               | Site Address                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | Cravenwood Primary Academy, Cravenwood Road, Crumpsall, Greater Manchester, M8 5AE                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
|                                                                                                                   | Grid Reference                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | 384070, 402058                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
|                                                                                                                   | Current Land Use                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | The site is part of Cravenwood Primary Academy and is currently being used as a children's play area with a steel frame canopy roof.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
|                                                                                                                   | Proposed Development                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | It is proposed to replace the canopy with a single storey two classroom extension with a pitched roof.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| <b>Site History</b>                                                                                               | On Site                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | The earliest survey (1848) shows the site to be located within the grounds of Clarendon House. From 1890, the property and associated grounds was lost from the survey and the site overlaps two streets of terraced residential properties, Witney Street in the western half of the site and Bath Street in the eastern half. The site remains unchanged to 1979 where the residential properties were demolished, and Cravenwood County Primary School was built. The last change to occur on site, dated from 2009, identified from aerial photographs, was a steel canopy cover being added to the site.                                                                                                                              |
|                                                                                                                   | Beyond Site Boundary                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | The earliest survey, (1848), showed a pump was present 60m south west and a pond 60m south east within the grounds of Clarendon House, both lost from the survey by 1890. From 1890 a railway cutting and railway line were added 70 and 100m east and Crumpsall Station was added 220m north east. A cemetery was added 154m west, an unspecified tank (c.1966) 58m south west, a school 50m south, a police station 118m south (c.1931) and Manchester Carriage & Tramway Company's Depot 160m south west (c.1906). A second school was added 75m south west and from 1966 the two schools merged and formed Cravenwood County Primary School 40m south. From 1979, this school was demolished and rebuilt in its present- day location. |
| <b>Geological and Mining Appraisal</b>                                                                            | Made Ground                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | No Made Ground indicated to be present, however, as the site has undergone construction and demolition of residential properties and construction of the primary school.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
|                                                                                                                   | Superficial Geology                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | Devensian Till- Diamicton, comprising of poorly sorted gravelly, sandy silty clays.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
|                                                                                                                   | Bedrock Geology                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | Collyhurst Sandstone Formation- Sandstone                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
|                                                                                                                   | Radon                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | No Radon gas protection measures are required                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
|                                                                                                                   | Mining                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | The report has indicated that there is potential for coal mining beneath the site. A Coal Authority Mining Report is appended and indicates that the site is not within a surface that could be affected by any past underground coal mining.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
|                                                                                                                   | Subsidence Hazards                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | Negligible to very low risk.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| <b>Environmental Appraisal</b>                                                                                    | Landfill Sites                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | One potentially unregistered, landfill in the form of a pond 60m south east, added to the survey from 1848 and infilled by 1890.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
|                                                                                                                   | Hydrogeology                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | Superficial: Secondary Undifferentiated aquifer.<br>Bedrock: Principal aquifer.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
|                                                                                                                   | Hydrology                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | The site is within the catchment of the River Irk (Wince to Irwell) this watercourse being 907m north of the site boundary and the nearest watercourse being 83m east.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
|                                                                                                                   | Flood Risk                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | Very low flood risk, consequently a Flood Risk Assessment is unlikely to be required for this site.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
|                                                                                                                   | Industrial Land Uses                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | Numerous contaminative industrial land uses identified, those that represent the most significant risk are cuttings 67, east, railway sidings 73m north east and an electricity substation 95m north west.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
|                                                                                                                   | Other Relevant Details                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | -                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| <b>Recommendations</b>                                                                                            | The conceptual ground model indicates that a nominal intrusive ground investigation is required to assess the ground conditions for contamination due to the potential for Made Ground on site derived from the demolition of the terraced residential properties on site from 1979 and subsequent construction of Cravenwood Primary Academy. The ground investigation should obtain soil samples for contamination analysis and asbestos detection and, where possible, groundwater and surface water samples for contamination analysis.                                                   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| <b>Other Considerations</b><br>(for Warranty Providers, Building Control, Structural Engineers, Developers, etc.) | <p>Listed below are various items that are likely to be required at some point during the development and it would be cost effective to have them carried out simultaneously. This is not an exhaustive list.</p> <ul style="list-style-type: none"> <li>• Boreholes and laboratory testing to assess the ground conditions for foundation design.</li> <li>• BRE Digest 365 Soakaway Tests.</li> <li>• Waste Classification and WAC testing for removal of waste to landfill.</li> <li>• CBR Testing for road design and construction.</li> <li>• Water Pipeline Risk Assessment.</li> </ul> |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |

**DESK STUDY WITH WALKOVER SURVEY FOR CRAVENWOOD PRIMARY ACADEMY, CRAVENWOOD ROAD, CRUMPSALL, GREATER MANCHESTER, M8 5AE**

**CLIENT: CRAVENWOOD PRIMARY ACADEMY**

**ARCHITECT: ADP ARCHITECTURE LIMITED**

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## **1. INTRODUCTION**

This report has been prepared in accordance with an email, dated 5<sup>th</sup> May 2021, from the Architect on behalf of the Client.

The brief was set out in our estimate, ref. E4846 dated 19<sup>th</sup> March 2021, and comprises a walkover survey and a desk study report including a historical, geological, mining and environmental appraisal together with a conceptual ground model.

### **1.1 Site Location and Description**

The site is located Cravenwood Primary Academy, Cravenwood Road, Crumpsall, Greater Manchester, M8 5AE, as indicated on Figure 1. The approximate National Grid Reference of the centre of the site is 384070, 402058.

As shown on Figure 2, the rectangular shaped about 0.01- hectare site is bound to the north by a retaining wall down to soft landscaping, a footpath and 14 Lowther Road, to the east by the same retaining wall and a soft play area, and to the south and west by school buildings.

### **1.2 Proposed Development and Purpose of the Desk Study**

We understand that it is proposed to replace the steel framed canopy roof with a single storey two classroom extension with a pitched roof, as shown on Figure 3.

The purpose of the desk study is to obtain information regarding the sites historical, geological and environmental setting in order to produce a conceptual ground model, to assess the ground conditions, to undertake a preliminary assessment of contamination sources, pathways and receptors relating to potential hazards that exist or will potentially exist on the site and to assess the need for ground investigation.

### **1.3 Walkover Survey**

The walkover survey was carried out prior to ground investigation works carried out on 26<sup>th</sup> October 2020. Surface features observed were recorded on a plan of the site together with the positions and directions of photographs taken. The resulting Walkover Survey Plan and site photographs are appended.

At the time of the Walkover Survey, the site could be accessed from a ramp leading to the eastern boundary. The site currently comprises of a children's play area under a steel framed canopy with metal shuttering adjoining the single storey school building. To the north of the site is a 1m high brick built wall with wooden fencing on top. The wall also partly acts as a small retaining wall dropping down by approximately 1.0m centrally and to the east, and 0.2m in the west (photograph 5). The surface cover under the canopy is concrete paving slabs in the east and astro turf in the west.

There was no visual or olfactory contamination was noted during the walkover survey.

## 2. DESK STUDY

### 2.1 Historical Appraisal

The past history of the site has been interpreted from the study of old Ordnance Survey plans supplied by GroundSure, as follows:

TABLE 1 SMALL SCALE SURVEYS

| Date      | Survey | Scale    |
|-----------|--------|----------|
| 1848      | CS     | 1:10,560 |
| 1891*     | CS     | 1:10,560 |
| 1891-1894 | CS     | 1:10,560 |
| 1906-1907 | CS     | 1:10,560 |
| 1915      | CS     | 1:10,560 |
| 1923      | CS     | 1:10,560 |
| 1923*     | CS     | 1:10,560 |
| 1938      | CS     | 1:10,560 |
| 1956      | OS     | 1:10,560 |
| 1966-1968 | OS     | 1:10,560 |
| 1975-1977 | OS     | 1:10,000 |
| 1980-1985 | OS     | 1:10,000 |
| 2001      | OS     | 1:10,000 |
| 2010      | OS     | 1:10,000 |
| 2021      | OS     | 1:10,000 |

TABLE 2 LARGE SCALE SURVEYS

| Date       | Survey | Scale   |
|------------|--------|---------|
| 1850       | CS     | 1:1,056 |
| 1890       | CS     | 1:500   |
| 1893       | CS     | 1:2,500 |
| 1909       | CS     | 1:2,500 |
| 1922       | CS     | 1:2,500 |
| 1932       | CS     | 1:2,500 |
| 1950-1951  | OS     | 1:2,500 |
| 1950-1952  | OS     | 1:1,250 |
| 1951-1952* | OS     | 1:1,250 |
| 1967-1968  | OS     | 1:2,500 |
| 1969*      | OS     | 1:2,500 |
| 1967-1971  | OS     | 1:1,250 |
| 1981*      | OS     | 1:1,250 |
| 1979-1984  | OS     | 1:1,250 |
| 1986-1987* | OS     | 1:1,250 |
| 1992*      | OS     | 1:1,250 |
| 1989-1992  | OS     | 1:1,250 |
| 1989-1993* | OS     | 1:1,250 |
| 1992-1995* | OS     | 1:1,250 |
| 1992-1995  | OS     | 1:1,250 |
| 1995*      | OS     | 1:1,250 |
| 1995*      | OS     | 1:1,250 |
| 1995*      | OS     | 1:1,250 |
| 1995*      | OS     | 1:1,250 |
| 1995*      | OS     | 1:1,250 |
| 2003       | OS     | 1:1,250 |

CS = County Survey, OS = Ordnance Survey, \* Site not covered by the survey.  
Extracts of the above surveys are appended.

TABLE 3 HISTORICAL APPRAISAL

| Date      | On site                                                                                                                                                                                                                                                                        | Beyond site boundary                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
|-----------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 1848-1850 | The earliest survey indicates the site was part of the grounds of Clarendon House, with an access track running through the southern half of the site which leads to an opening which partially overlaps the eastern boundary.                                                 | All boundaries of the site are formed by the grounds of Clarendon House. Additionally, there is a pond 60m south east and a pump 60m south west from the site, but within the grounds of Clarendon House. Within 250m of the site, the area to the north, east and south is largely undeveloped with residential housing west of the site.                                                                                                                                                                 |
| 1890-1894 | Clarendon House has been lost from the survey. The western half of the site is now made up of two rear gardens belonging to terraced residential properties off King Street later denoted as Witney Street and the eastern half by two residential properties off Bath Street. | The pump and pond have been lost from the survey. A large residential development has been added south, west and east of the site boundary. A railway cutting and railway line have been added 70 and 100m east of the site boundary as well as Crumpsall Station 220m north east. An unspecified tank has been added 58m south west, a school 50m south, a police station 118m south, Wesleyan Cemetery 154m west and Manchester Carriage & Tramway Company's Depot 160m south west of the site boundary. |
| 1906-1909 | No significant changes to the site.                                                                                                                                                                                                                                            | The Manchester Carriage & Tramway Company's Depot 160m south west, has been lost from the survey.                                                                                                                                                                                                                                                                                                                                                                                                          |
| 1922-1923 | No significant changes to the site.                                                                                                                                                                                                                                            | An ice skating rink has been added 190m south west of the site boundary and another school denoted as an infant school, has been added 75m south west of the site boundary.                                                                                                                                                                                                                                                                                                                                |
| 1931-1933 | No significant changes to the site                                                                                                                                                                                                                                             | An area of allotment gardens has been added 20m north west of the site boundary. The police station has been lost from the survey.                                                                                                                                                                                                                                                                                                                                                                         |
| 1950-1952 | No significant changes to the site                                                                                                                                                                                                                                             | An engineering works has been added 54m north of the site boundary. The ice skating rink has been lost from the survey. Two garages have been added 140m and 105m south and an engineering works 135m south west.                                                                                                                                                                                                                                                                                          |
| 1966-1968 | No significant changes to the site.                                                                                                                                                                                                                                            | The two schools south of the site have merged and redeveloped and have formed Cravenwood County Primary School 40m south, consequently the tank 58m south west has been lost from the survey. The two garages and engineering works south west of the site have been lost from the survey.                                                                                                                                                                                                                 |

TABLE 3 (Cont'd) HISTORICAL APPRAISAL

| Date      | On site                                                                                                                                                                                                 | Beyond site boundary                                                                                                                                                                                                  |
|-----------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 1979-1984 | The site is now part of the newly built Cravenwood County Primary School. Consequently, the two streets of terraced housing that were both on site and formed the site boundaries have been demolished. | The school 40m south has been demolished and moved to its present-day location. An electricity substation has been added 126m south east. The area of Allotment Gardens 20m north west has been lost from the survey. |
| 2001-2003 | No significant changes to the site.                                                                                                                                                                     | The engineering works 54m north has been lost from the survey.                                                                                                                                                        |
| 2010      | No significant changes to the site.                                                                                                                                                                     | No significant changes to the surrounding area.                                                                                                                                                                       |
| 2021      | No significant changes to the site.                                                                                                                                                                     | No significant changes to the surrounding area.                                                                                                                                                                       |

The small- scale plans from 2010 contain insufficient detail for review. However, aerial photographs dated 2009 indicate that the steel frame canopy structure was added to the site. We are not aware of any other significant changes within the site and its immediate surrounding area.

## 2.2 Geological Appraisal

This following appraisal is based upon the appended Groundsure Enviro+Geo Insight Report (Sections 14 to 17).

### 2.2.1 Artificial Ground (Made Ground)

No Made Ground is indicated to be present within the site or in its immediate vicinity. However, as the site has undergone demolition of residential properties and construction of the primary school, Made Ground is potentially present. Additionally, Made Ground, described as Worked Ground, is indicated to be about 70 metres to the east of the site boundary, the depth of which is unknown.

### 2.2.2 Superficial Geology (Drift Deposits)

Drift deposits, described as Devensian Till- Diamicton comprising of poorly sorted, gravelly, sandy silty clays, are indicated to be present within the site, the depth of which is unknown. The maximum permeability of these deposits is indicated to be high and the minimum permeability as low.

### 2.2.3 Bedrock Geology

The bedrock underlying the site is indicated to be the Collyhurst Sandstone Formation-sandstone. The maximum and minimum permeability of the bedrock is indicated to be high.

Rock strata are also indicated to be displaced by geological faults about 28 metres to the north east of the site boundary.

#### 2.2.4 Potential Hazards in Natural Ground

The risk from shrinking/ swelling clays is very low, running sands is very low, compressible deposits/ strata is negligible, collapsible deposits/ strata is very low, landslides is very low and dissolution of soluble rocks is negligible.

### 2.3 Mining, Radon, Soil Chemistry and Railway Infrastructure Appraisal

This following appraisal is based upon the appended Groundsure Enviro+Geo Insight Report (Sections 18 to 21).

#### 2.3.1 Mining

Ordnance Survey mapping identifies surface excavations which may, or may not, have been subsequently backfilled with unknown material. The Ordnance Survey indicates that there are 34 records of historical surface excavations within 250 metres of the site boundary, the nearest being cuttings about 67 metres to the east of the site boundary. These are for the railway line which is still in existence and has not been backfilled.

The British Geological Survey maintain records of mining of minerals other than coal and indicates that there is no potential for non-coal mining beneath the site or within 1,000 metres of the site boundary.

The Coal Authority, and others, indicate that there is a potential for coal mining beneath the site.

A Coal Authority Mining Report, ref. 51002362954001 and dated 12<sup>th</sup> February 2021, is appended. The Coal Authority Mining Report only refers to records in the possession of the Coal Authority. It should be noted that it did not become a statutory requirement to maintain and preserve plans of abandoned mines until the Mines (Coal) Regulations Act of 1872, by which date much unrecorded mining had taken place and of those plans which were made it is likely that not all will have survived.

The report indicates that the site is not within a surface area that could be affected by any past underground coal mining.

According to the report the site is not in an area affected by significant non-coal mining, mining cavities, brine extraction, gypsum extraction, tin mining or clay mining.

#### 2.3.2 Radon

The British Geological Survey and Public Health England have estimated the percentage of dwellings exceeding the "Radon Action Level" of 200 Becquerels/ m<sup>3</sup> for the UK based on geological assessments and long term measurements of radon in more than 479,000 households.

The site is unlikely to be affected by radon gas as < 1% of surrounding properties are above the Radon Action Level. No radon protection measures are required.

#### 2.3.3 Soil Chemistry

The British Geological Survey have estimated likely background concentrations of potentially harmful arsenic, cadmium, chromium, lead and nickel in the topsoil. Data for on-site topsoil is given. In addition, data for the land within 50 metres of the site boundary is not given.

#### 2.3.4 Railway Infrastructure

There are no underground railways within 250 metres of the site boundary.

There are no railway tunnels/ tunnel features within 250 metres of the site boundary.

There are fourteen records of historical railways within 250 metres of the site boundary, the nearest being about 70 metres to the east of the site boundary.

There are thirteen records of active railways within 250 metres of the site boundary, the nearest being about 100 metres to the east of the site boundary.

The site is not within 500 metres of the High Speed 2 (HS2) rail project.

### 2.4 **Environmental Appraisal**

This following appraisal is based upon the appended Groundsure Enviro+Geo Insight Report (Sections 1 to 13).

#### 2.4.1 Historical Industrial Land Use

Historical potentially contaminative industrial land uses are recorded by the Ordnance Survey. Within the site there are no potentially contaminative industrial land uses identified. In addition, within 250 metres of the site boundary, there are numerous contaminative industrial land uses identified. Those that represent the most significant risk to the site are cuttings 67m east, railway sidings 73m north east, an electricity substation 95m north west, a police station 118m south, a cemetery 154m west and a garage 162m south west of the site boundary respectively.

#### 2.4.2 Potentially Contaminated Land Associated with Historical Land Use

Our historical appraisal indicates no further potentially contaminative land uses which are not included in the above section.

#### 2.4.3 Landfill

According to the report there are no active or recently closed landfill sites within 250 metres of the site boundary.

Our historical appraisal has identified one potential unregistered landfills in the form of a small pond infilled with unknown material situated 60m south east and was identified from 1848 and lost from the survey/ infilled by 1890. Given its small size and date of infill this source would provide a very low risk of ground gas on site.

Additionally, a cemetery was added to the area 154m west from 1890. Given its distance to the site this would also provide a very low risk of ground gas on site.

#### 2.4.4 Waste

Local Authority records and detailed Ordnance Surveys indicate no waste sites within 250 metres of the site.

According to the Environment Agency and Natural Resources Wales there are no active or recently closed waste sites within 250 metres of the site boundary.

The Environment Agency and Natural Resources Wales have two records of activities involving the storage, treatment, use or disposal of wastes that are exempt from needing a permit (within specific limits and conditions) within 250 metres of the site boundary, the nearest being about 243 metres to the south.

#### 2.4.5 Current Industrial Land Use

Current potentially contaminative industrial land uses are recorded by the Ordnance Survey and Experian. Within the site there are no potentially contaminative industrial land uses identified. In addition, within 250 metres of the site boundary, there are three potentially contaminative industrial land uses. Those that represent the most significant risk to the site are three electricity substations, 110m north west, 126m south east and 236m south west of the site boundary respectively.

National Grid data indicates that there are currently no high voltage underground electricity transmission cables within 250 metres of the site boundary.

National Grid data indicates that there are currently no high pressure underground gas transmission pipelines within 250 metres of the site boundary.

#### 2.4.6 Sites Determined as Contaminated Land

There are no sites determined as contaminated under Section 78R of the Environmental Protection Act (1990) within 250 metres of the site boundary.

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

Records of Control of Major Accident Hazards (COMAH), including Notification of Installations Handling Hazardous Substances (NIHHS) and other historical data, indicate that there are no dangerous or hazardous sites within 250 metres of the site boundary.

#### 2.4.8 Regulated Explosives Sites

Up to April 2015 there were no sites within 250 metres of the site boundary registered and licensed by the Health and Safety Executive under the 2005 Manufacture and Storage of Explosives Regulations.

#### 2.4.9 Hazardous Substance Storage and Usage

There are no Local Authority records of consents granted for sites to hold certain quantities of hazardous substances at or above defined limits in accordance with the 2015 Planning (Hazardous Substances) Regulations within 250 metres of the site boundary.

#### 2.4.10 Historical Licenced Industrial Activities (IPC)

There are no historical Integrated Pollution Control (IPC) records of substances released to the air, land and water according to the Environment Agency and Natural Resources Wales within 250 metres of the site boundary.

#### 2.4.11 Licenced Industrial Activities (Part 1(A))

The Environment Agency and Natural Resources Wales indicate that there are no records of Part 1(A) installations regulated under the 2016 Environmental Permitting (England and Wales) Regulations for release to the environment within 250 metres of the site boundary.

#### 2.4.12 Part A(2) and Part B Authorisations

Local Authority records indicate there are no Part A(2) and Part B installations regulated under the 2016 Environmental Permitting (England and Wales) Regulations for the release of substances to the environment within 250 metres of the site boundary.

#### 2.4.13 Radioactive Substance Authorisations

The Environment Agency and Natural Resources Wales indicate that there are no records of storage, use, accumulation and disposal of radioactive substances regulated under the 1993 Radioactive Substances Act within 250 metres of the site boundary.

#### 2.4.14 Licensed Discharges to Controlled Waters

According to Environment Agency and Natural Resources Wales records there have been no discharges of treated or untreated effluent to controlled water under the 1991 Water Resources Act within 250 metres of the site boundary.

#### 2.4.15 Pollutant Release to Surface Waters (Red List)

The Environment Agency and Natural Resources Wales records indicate that there have been no discharges of specified substances under the 1991 Environmental Protection (Prescribed Processes and Substances) Regulations within 250 metres of the site boundary.

#### 2.4.16 Pollutant Release to Public Sewers

According to Environment Agency and Natural Resources Wales records there have been no discharges of special category effluents to public sewers within 250 metres of the site boundary.

#### 2.4.17 List I and List II Dangerous Substances

The Environment Agency and Natural Resources Wales records indicate that there have been no discharges of substances on List I and List II of the European Directive E2006/11/EC respectively, regulated under the 2015 Environmental Damage (Prevention and Remediation) Regulations, within 250 metres of the site boundary.

#### 2.4.18 Pollution Incidents

According to the Environment Agency and Natural Resources Wales there is one record of substantiated pollution incidents within 250 metres of the site boundary. This occurred in 2002, 247m east of the site boundary and the pollutant being tyres, which at the time had a minor impact on land. In our opinion, given the distance of the event from the site and date it occurred, it is unlikely that this will have any significant impact on site.

#### 2.4.19 Pollution Inventory Substances

The Environment Agency and the Scottish Environment Protection Agency indicate that there have been no reports on annual emissions of certain regulated substances to air, controlled waters and land within 250 metres of the site boundary.

#### 2.4.20 Pollution Inventory Waste Transfers

According to the Environment Agency and the Scottish Environment Protection Agency there have been no reports on annual transfers and recovery/ disposal of controlled wastes within 250 metres of the site boundary.

#### 2.4.21 Pollution Inventory Radioactive Waste

The Environment Agency and the Scottish Environment Protection Agency indicate that there have been no reports on annual releases of radioactive substances within 250 metres of the site boundary.

#### 2.4.22 Hydrogeology

The following designation of aquifers is in accordance with the Environment Agency's April 2010 Groundwater Protection Policy.

Superficial/ drift deposits are anticipated to be present and comprise of poorly sorted, gravelly, sandy silty clays which are indicated to be a Secondary Undifferentiated aquifer probably comprising interbedded high and low permeability layers.

The bedrock is anticipated to be sandstone which is indicated to be a Principal aquifer comprising strata of high intergranular and/ or fracture permeability, usually providing a high level of water storage and may support water supply and/ or river base flow on a strategic scale.

The vulnerability of groundwater to a pollutant found within the site and its immediate surrounding area has been assessed as "Low", an area able to provide protection from pollution.

British Geological Survey and Environment Agency data indicates that the site is not within a 1km grid where solution features are present that will enable rapid movement of a pollutant to groundwater.

Environment Agency data indicates that the site is not in an area where additional local information indicates that groundwater is vulnerable to pollution.

According to data provided by the Environment Agency and Natural Resources Wales there are eight groundwater abstraction licences, the nearest being 1068m north east, no surface water abstraction licences, and no potable water abstraction licences within 2000 metres of the site boundary.

There are no Source Protection Zones, set up to protect a water source within 500 metres of the site of boundary, present according to the environmental data report.

#### 2.4.23 Hydrology

The Ordnance Survey indicate that there is one watercourse (inland river) within 250 metres of the site boundary, this being about 83 metres to the east of the site boundary.

There are no surface water features (ponds or lakes) within 250 metres of the site boundary according to the Ordnance Survey.

The Water Framework Directive (WFD) indicates that the site is within the catchment of the Irk (Wince to Irwell), this watercourse being about 907 metres to the north of the site boundary and the groundwater body is known as the Manchester and East Cheshire Permo- Triassic Sandstone Aquifers.

#### 2.4.24 Flooding

Flooding data is maintained by the Environment Agency and Natural Resources Wales. The Risk of Flooding from Rivers and Sea (RoFRaS) database indicates that within 50 metres of the site boundary the highest risk of flooding is "Very Low".

In the period since records began in 1946, there are no records of historical floods within 250 metres of the site boundary.

There are no flood defences, no areas benefitting from flood defences and no flood storage areas present within 250 metres of the site boundary.

The site boundary is not within 50 metres of a Flood Zone 2 or within 50 metres of Flood Zone 3.

According to Ambiental Risk Analytics surface water "FloodMap" there is a negligible risk of surface water flooding on the site and a 1 in 30 year, 0.1-0.3m risk of surface water flooding within 50 metres of the site boundary.

Groundwater flooding is caused when the water table rises in areas where this is usually at shallow depth. Ambiental Risk Analytics indicate that there is a low risk of groundwater flooding on the site and a low risk of groundwater flooding within 50 metres of the site boundary.

Given the above we anticipate that a Flood Risk Assessment is unlikely to be required for this site.

#### 2.4.25 Environmental Designations

Five Local Nature Reserves (LNR), the nearest being 1082m north, one area of Designated Ancient Woodland, this being 1936m east, Biosphere Reserves, one area of Green Belt Land, this being 1614m north, four Nitrate Vulnerable Zones, the nearest zone, River Irk (Moston Brook to River Irwell ) NVZ, encompasses the site and one Site of Special Scientific Interest, (SSSI) Impact Risk Zones are present.

#### 2.4.26 Visual and Cultural Designations

Historic England, Cadw and Historic Environment Scotland indicate that within 250 metres of the site boundary there is two Conservation Areas, the nearest being 13m north east.

#### 2.4.27 Agricultural Designations

Natural England indicate that the Agricultural Land (quality) Classification for the site is Grade 5 Urban Land and the land within 250 metres of the site is Grade 5 Urban Land

Natural England and Natural Resources Wales indicate that there is no open access land within 250 metres of the site boundary.

The Forestry Commission indicate that there are no tree felling licences within 250 metres of the site boundary.

Natural England indicate that there are no environmental stewardship schemes within 250 metres of the site boundary.

Natural England indicate that there are no countryside stewardship schemes within 250 metres of the site boundary.

#### 2.4.28 Habitat Designations

Natural England indicate that there are two priority habitats, the nearest being 67m east, no habitat networks, no open mosaic habitats and no limestone pavement orders within 250 metres of the site boundary.

### 2.5 **Conceptual Ground Model**

A conceptual ground model of a site and its environs uses available information to form a preliminary assessment of contamination sources, pathways and receptors, and the significance of hazards that exist or will potentially exist on the site. Its purpose is to identify the relationships between sources of contamination, pathways and receptors to allow exposure scenarios to be determined and thereby aid in the design of any intrusive investigation. It also forms the basis of the risk assessment.

#### 2.5.1 Sources

Potential sources of contamination identified in the desk study are:

- General contaminants associated with Made Ground (if present) derived from the construction and demolition of the terraced properties, 1890 to 1979, on site as well as from the construction of Cravenwood Primary Academy.
- On-site spillage and leakage of hydrocarbons (oils and fuels) from when the site contained residential housing and the eastern boundary formed by a road, Bath Street from 1890 to 1979.
- Migrating leachate (contaminated surface and/ or groundwater) from the railway line 100m east and designated area of Made Ground 70m east.
- Migrating leachate (contaminated surface and/ or groundwater) from the Cemetery 154m west of the site boundary.
- Potentially migrating ground gases from the cemetery 154 metres to the west of the site boundary.

### 2.5.2 Pathways

Potential pathways from source and receptor for the proposed development are:

- Direct skin contact with and/ or ingestion of contaminated soils and/ or water.
- Inhalation of dust, vapours and/ or gases.
- Dissolved contaminants via infiltrating surface water/ migrating groundwater.
- Dissolved ground gases via infiltrating surface water/ migrating groundwater.
- Volatile contaminants via permeable soils and rocks.
- Ground gases via permeable soils and rocks.

### 2.5.3 Receptors

Potential receptors for the proposed development are:

- Site operatives during demolition, earthworks and/ or construction.
- The end users of the development (young children are the most sensitive).
- Vegetation, bushes and trees planted as part of the development of the site.
- Controlled waters including surface water and groundwater, including aquifers.
- Maintenance operatives entering on-site confined spaces after development.

### 2.5.4 Conclusions

An appraisal of the sources, pathways and receptors has been considered and we have produced a conceptual ground model based upon the available information, as follows:

TABLE 4 CONCEPTUAL GROUND MODEL

| Potential Source                                                                                                                                                                   | Nature of Hazard            | Contaminants Associated with the Source                                                                                                                                                                                                                                           | Pathway                                                                               | Receptor                     | Preliminary Risk Rating |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|------------------------------|-------------------------|
| Made Ground (If present, derived from the construction of residential properties on site from 1890 and demolished by 1979 coinciding with Cravenwood Primary Academy being built). | Contaminants in Made Ground | <u>Gen. Contaminants</u><br>Arsenic<br>Cadmium<br>Chromium<br>Lead<br>Mercury<br>Molybdenum<br>Nickel<br>Selenium<br>Boron<br>Copper<br>Zinc<br>Cyanide<br>Sulphide<br>Sulphate<br>pH<br>Phenols<br>Polynuclear Aromatic Hydrocarbons (PAH)<br>Total Petroleum Hydrocarbons (TPH) | Ingestion of soil                                                                     | Site Operatives              | Low                     |
|                                                                                                                                                                                    |                             |                                                                                                                                                                                                                                                                                   | Ingestion of dust                                                                     | End Users                    |                         |
|                                                                                                                                                                                    |                             |                                                                                                                                                                                                                                                                                   | Dermal contact                                                                        |                              |                         |
|                                                                                                                                                                                    |                             |                                                                                                                                                                                                                                                                                   | Inhalation of dust                                                                    |                              |                         |
|                                                                                                                                                                                    |                             |                                                                                                                                                                                                                                                                                   | Inhalation of vapours                                                                 |                              |                         |
|                                                                                                                                                                                    |                             |                                                                                                                                                                                                                                                                                   | Uptake via contaminated groundwater                                                   | Vegetation                   | Low                     |
|                                                                                                                                                                                    |                             |                                                                                                                                                                                                                                                                                   | Vertical and lateral movement of mobile contaminants to surface water and groundwater | Controlled Waters            | Low                     |
|                                                                                                                                                                                    |                             |                                                                                                                                                                                                                                                                                   | Direct contact                                                                        | Structures and Services      | Low                     |
| Asbestos on/ in ground                                                                                                                                                             | Asbestos fibres             | Asbestos fibres                                                                                                                                                                                                                                                                   | Inhalation of fibres                                                                  | Site Operatives<br>End Users | Low                     |

TABLE 4 (Cont'd) CONCEPTUAL GROUND MODEL

| Potential Source                                                                                                                                | Nature of Hazard                                                                 | Contaminants Associated with the Source                                                                | Pathway                                                                               | Receptor                | Preliminary Risk Rating |
|-------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|-------------------------|-------------------------|
| Tanks/ Vehicles<br>(If present, likely derived from the residential properties on site and the eastern boundary formed by a road, Bath Street). | Fuel/ oil spillage and/or leakage from machinery, fuel/oil tanks and/or vehicles | Total Petroleum Hydrocarbons (TPH)<br><br>and/ or<br><br>Benzene/ Toluene/ Ethylbenzene/ Xylene (BTEX) | Ingestion of soil                                                                     | Site Operatives         | Low                     |
|                                                                                                                                                 |                                                                                  |                                                                                                        | Ingestion of dust                                                                     | End Users               |                         |
|                                                                                                                                                 |                                                                                  |                                                                                                        | Dermal contact                                                                        |                         |                         |
|                                                                                                                                                 |                                                                                  |                                                                                                        | Inhalation of dust                                                                    |                         |                         |
|                                                                                                                                                 |                                                                                  |                                                                                                        | Inhalation of vapours                                                                 |                         |                         |
|                                                                                                                                                 |                                                                                  |                                                                                                        | Uptake via contaminated groundwater                                                   | Vegetation              | Very Low                |
|                                                                                                                                                 |                                                                                  |                                                                                                        | Vertical and lateral movement of mobile contaminants to surface water and groundwater | Controlled Waters       | Very Low                |
|                                                                                                                                                 |                                                                                  |                                                                                                        | Direct contact                                                                        | Structures and Services | Very Low                |
| Graveyard (1)<br>(Cemetery was added to the survey from 1890 154m west of the site boundary).                                                   | Contaminant leachate from burials                                                | Cadmium<br>Nickel<br>Formaldehyde<br>Ammonia                                                           | Ingestion of soil                                                                     | Site Operatives         | Negligible              |
|                                                                                                                                                 |                                                                                  |                                                                                                        | Ingestion of dust                                                                     | End Users               |                         |
|                                                                                                                                                 |                                                                                  |                                                                                                        | Dermal contact                                                                        |                         |                         |
|                                                                                                                                                 |                                                                                  |                                                                                                        | Inhalation of dust                                                                    |                         |                         |
|                                                                                                                                                 |                                                                                  |                                                                                                        | Inhalation of vapours                                                                 |                         |                         |
|                                                                                                                                                 |                                                                                  |                                                                                                        | Uptake via contaminated groundwater                                                   | Vegetation              | Very Low                |
|                                                                                                                                                 |                                                                                  |                                                                                                        | Vertical and lateral movement of mobile contaminants to surface water and groundwater | Controlled Waters       | Negligible              |
|                                                                                                                                                 |                                                                                  |                                                                                                        | Direct contact                                                                        | Structures and Services | Negligible              |
| Graveyard (2)                                                                                                                                   | Ground Gas<br>(Asphyxiation, fire and explosion)                                 | Methane<br>Carbon Dioxide                                                                              | Inhalation of gas<br>Ignition of gas                                                  | Site Operatives         | Very Low                |

The conceptual ground model indicates that a nominal intrusive ground investigation is required to assess the ground conditions for contamination due to the potential for Made Ground on site derived from the demolition of the terraced residential properties on site from 1979 and subsequent construction of Cravenwood Primary Academy. The ground investigation should obtain soil samples for contamination analysis and asbestos detection and, where possible, groundwater and surface water samples for contamination analysis.

## 2.6 General

No consideration has been given to flora and fauna as this was outside our brief.

This Phase I walkover survey and desk study should be followed by a Phase II ground investigation. It should be noted that dependent upon the findings of the ground investigation a Phase III remediation statement and Phase IV validation with report may be required.

We recommend that consultation should be undertaken with, and the written approval obtained from, the Local Authority Environmental Health Officer and the Local Authority Building Control Officer prior to commencing development.

We trust that this report fulfils your present requirements but if you have any queries or we can be of further assistance please contact the undersigned or Ms Anna Marsden at our Preston office.

SUB SURFACE CONSULTANTS LIMITED  
REPORT No. 7077B  
JUNE 2021

S. C. Boot B.Sc.(Hons.), F.G.S.  
Geoenvironmental Engineer  
For and on behalf of  
Sub Surface Consultants Limited

C. A. Marsden B.Sc.(Hons.), C.Eng., M.I.C.E.  
Director  
For and on behalf of  
Sub Surface Consultants Limited.

## **PRELIMINARY RISK RATING GUIDANCE**

## PRELIMINARY RISK RATING GUIDANCE

The following table based on CIRIA C552 'Contaminated Land Risk Assessment. A Guide to Good Practice' has been used when developing the Conceptual Ground Model and the preliminary risk ratings. The method requires an assessment of the magnitude of the probability or likelihood of the risk occurring and the magnitude of the potential consequence or severity of the risk occurring to formulate a preliminary risk rating (Table A).

**Table A DESCRIPTION OF RISK AND LIKELY ACTION REQUIRED**

| Preliminary Risk Rating | Action Required                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
|-------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Very High Risk</b>   | <p>Extensive Ground Investigation Required.</p> <p>There is a high probability that severe harm could arise to a designated receptor from an identified hazard, or there is evidence that severe harm to a designated receptor is currently happening. This risk, if realised, is likely to result in a substantial liability. Urgent investigation (if not undertaken already) and remediation are likely to be required.</p>                                                                |
| <b>High Risk</b>        | <p>Extensive Ground Investigation Required.</p> <p>Harm is likely to arise to a designated receptor from an identified hazard. Realisation of the risk is likely to present a substantial liability. Urgent investigation (if not undertaken already) is required and remedial works may be necessary in the short-term and are likely over the longer-term.</p>                                                                                                                              |
| <b>Moderate</b>         | <p>Ground Investigation Required.</p> <p>It is possible that harm could arise to a designated receptor from an identified hazard. However, it is either relatively unlikely that any such harm would be severe, or if any harm were to occur it is more likely that the harm would be relatively mild. Investigation (if not already undertaken) is normally required to clarify the risk and to determine the potential liability. Some remedial works may be required in the long-term.</p> |
| <b>Low Risk</b>         | <p>Nominal Ground Investigation Required.</p> <p>It is possible that harm could arise to a designated receptor from an identified hazard, but it is likely that this harm, if realised, would at worst normally be mild.</p>                                                                                                                                                                                                                                                                  |
| <b>Very Low Risk</b>    | <p>No Ground Investigation Required.*</p> <p>There is a low possibility that harm could arise to a receptor. In the event of such harm being realised it is not likely to be severe.</p>                                                                                                                                                                                                                                                                                                      |
| <b>Negligible Risk</b>  | <p>No Ground Investigation Required.*</p> <p>There is a very low possibility that harm could arise to a receptor. In the event of such harm being realised it is not likely to be severe.</p>                                                                                                                                                                                                                                                                                                 |

\* No further action is required unless unforeseen contaminated ground conditions are encountered.

## PHOTOGRAPHS

|                                                                                                                                                                                                                                                            |  |                       |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|-----------------------|
| <div><div><div>SS</div><div>SUB SURFACE</div></div><div><div>SITE INVESTIGATION SPECIALISTS, GEOTECHNICAL &amp; ENVIRONMENTAL CONSULTANTS</div><div>3 Peel Street, Preston, Lancashire, PR2 2QS. Tel: (01772) 561135 Fax: (01772) 204907</div></div></div> |  | Photographs           |
| Site: CRAVENWOOD PRIMARY ACADEMY, CRAVENWOOD ROAD, CRUMPSALL, GREATER MANCHESTER, M8 5AE                                                                                                                                                                   |  | Job Number: 7077B     |
| Client: CRAVENWOOD PRIMARY ACADEMY                                                                                                                                                                                                                         |  | Sheet: 1 / 2          |
| Engineer: ADP ARCHITECTURE LIMITED                                                                                                                                                                                                                         |  | Survey Date: 26/10/20 |

WALKOVER SURVEY PHOTOGRAPHS

1



2



3



4



5



6



|                                                                                                                                                                                           |  |             |                                 |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|-------------|---------------------------------|
| <b>SS SUB SURFACE</b><br>SITE INVESTIGATION SPECIALISTS, GEOTECHNICAL & ENVIRONMENTAL CONSULTANTS<br>3 Peel Street, Preston, Lancashire, PR2 2QS. Tel: (01772) 561135 Fax: (01772) 204907 |  | Photographs |                                 |
| Site: CRAVENWOOD PRIMARY ACADEMY, CRAVENWOOD ROAD, CRUMPSALL,<br>GREATER MANCHESTER, M8 5AE<br>Client: CRAVENWOOD PRIMARY ACADEMY<br>Engineer: ADP ARCHITECTURE LIMITED                   |  |             | Job Number:<br><b>7077B</b>     |
|                                                                                                                                                                                           |  |             | Sheet:<br><b>2 / 2</b>          |
|                                                                                                                                                                                           |  |             | Survey Date:<br><b>26/10/20</b> |

WALKOVER SURVEY PHOTOGRAPHS

7



## ENVIRO+GEO INSIGHT REPORT

Cravenwood Primary School, Cravenwood Road, M8 5AE

## Order Details

**Date:** 06/05/2021  
**Your ref:** 4199  
**Our Ref:** CMAPS-CM-959754-4199-050521EDRGEO  
**Client:** CENTREMAPS

## Site Details

**Location:** 384070 402058  
**Area:** 0.01 ha  
**Authority:** [Manchester City Council](#)



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**Summary of findings**

p. 2

**Aerial image**

p. 8

**OS MasterMap site plan**

p.12

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Contact us with any questions at:

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

08444 159 000

## Summary of findings

| Page      | Section    | Past land use                                   | On site | 0-50m | 50-250m | 250-500m | 500-2000m |
|-----------|------------|-------------------------------------------------|---------|-------|---------|----------|-----------|
| <b>13</b> | <b>1.1</b> | <b><u>Historical industrial land uses</u></b>   | 0       | 0     | 33      | 34       | -         |
| <b>16</b> | <b>1.2</b> | <b><u>Historical tanks</u></b>                  | 0       | 0     | 0       | 1        | -         |
| <b>16</b> | <b>1.3</b> | <b><u>Historical energy features</u></b>        | 0       | 0     | 2       | 11       | -         |
| 17        | 1.4        | Historical petrol stations                      | 0       | 0     | 0       | 0        | -         |
| <b>17</b> | <b>1.5</b> | <b><u>Historical garages</u></b>                | 0       | 0     | 2       | 8        | -         |
| 18        | 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 |
| <b>19</b> | <b>2.1</b> | <b><u>Historical industrial land uses</u></b>   | 0       | 0     | 52      | 44       | -         |
| <b>23</b> | <b>2.2</b> | <b><u>Historical tanks</u></b>                  | 0       | 0     | 0       | 1        | -         |
| <b>23</b> | <b>2.3</b> | <b><u>Historical energy features</u></b>        | 0       | 0     | 4       | 40       | -         |
| 25        | 2.4        | Historical petrol stations                      | 0       | 0     | 0       | 0        | -         |
| <b>25</b> | <b>2.5</b> | <b><u>Historical garages</u></b>                | 0       | 0     | 2       | 23       | -         |
| Page      | Section    | Waste and landfill                              | On site | 0-50m | 50-250m | 250-500m | 500-2000m |
| 27        | 3.1        | Active or recent landfill                       | 0       | 0     | 0       | 0        | -         |
| 27        | 3.2        | Historical landfill (BGS records)               | 0       | 0     | 0       | 0        | -         |
| 28        | 3.3        | Historical landfill (LA/mapping records)        | 0       | 0     | 0       | 0        | -         |
| 28        | 3.4        | Historical landfill (EA/NRW records)            | 0       | 0     | 0       | 0        | -         |
| 28        | 3.5        | Historical waste sites                          | 0       | 0     | 0       | 0        | -         |
| 28        | 3.6        | Licensed waste sites                            | 0       | 0     | 0       | 0        | -         |
| <b>28</b> | <b>3.7</b> | <b><u>Waste exemptions</u></b>                  | 0       | 0     | 2       | 0        | -         |
| Page      | Section    | Current industrial land use                     | On site | 0-50m | 50-250m | 250-500m | 500-2000m |
| <b>30</b> | <b>4.1</b> | <b><u>Recent industrial land uses</u></b>       | 0       | 0     | 3       | -        | -         |
| <b>31</b> | <b>4.2</b> | <b><u>Current or recent petrol stations</u></b> | 0       | 0     | 0       | 1        | -         |
| 31        | 4.3        | Electricity cables                              | 0       | 0     | 0       | 0        | -         |
| 31        | 4.4        | Gas pipelines                                   | 0       | 0     | 0       | 0        | -         |
| 31        | 4.5        | Sites determined as Contaminated Land           | 0       | 0     | 0       | 0        | -         |



| 31        | 4.6         | Control of Major Accident Hazards (COMAH)              | 0                        | 0     | 0       | 0        | -         |
|-----------|-------------|--------------------------------------------------------|--------------------------|-------|---------|----------|-----------|
| 32        | 4.7         | Regulated explosive sites                              | 0                        | 0     | 0       | 0        | -         |
| 32        | 4.8         | Hazardous substance storage/usage                      | 0                        | 0     | 0       | 0        | -         |
| 32        | 4.9         | Historical licensed industrial activities (IPC)        | 0                        | 0     | 0       | 0        | -         |
| 32        | 4.10        | Licensed industrial activities (Part A(1))             | 0                        | 0     | 0       | 0        | -         |
| <b>32</b> | <b>4.11</b> | <b><u>Licensed pollutant release (Part A(2)/B)</u></b> | 0                        | 0     | 0       | 6        | -         |
| 33        | 4.12        | Radioactive Substance Authorisations                   | 0                        | 0     | 0       | 0        | -         |
| 34        | 4.13        | Licensed Discharges to controlled waters               | 0                        | 0     | 0       | 0        | -         |
| 34        | 4.14        | Pollutant release to surface waters (Red List)         | 0                        | 0     | 0       | 0        | -         |
| 34        | 4.15        | Pollutant release to public sewer                      | 0                        | 0     | 0       | 0        | -         |
| 34        | 4.16        | List 1 Dangerous Substances                            | 0                        | 0     | 0       | 0        | -         |
| 34        | 4.17        | List 2 Dangerous Substances                            | 0                        | 0     | 0       | 0        | -         |
| <b>35</b> | <b>4.18</b> | <b><u>Pollution Incidents (EA/NRW)</u></b>             | 0                        | 0     | 1       | 4        | -         |
| 35        | 4.19        | Pollution inventory substances                         | 0                        | 0     | 0       | 0        | -         |
| 36        | 4.20        | Pollution inventory waste transfers                    | 0                        | 0     | 0       | 0        | -         |
| 36        | 4.21        | Pollution inventory radioactive waste                  | 0                        | 0     | 0       | 0        | -         |
| Page      | Section     | Hydrogeology                                           | On site                  | 0-50m | 50-250m | 250-500m | 500-2000m |
| <b>37</b> | <b>5.1</b>  | <b><u>Superficial aquifer</u></b>                      | Identified (within 500m) |       |         |          |           |
| <b>39</b> | <b>5.2</b>  | <b><u>Bedrock aquifer</u></b>                          | Identified (within 500m) |       |         |          |           |
| <b>41</b> | <b>5.3</b>  | <b><u>Groundwater vulnerability</u></b>                | Identified (within 50m)  |       |         |          |           |
| 42        | 5.4         | Groundwater vulnerability- soluble rock risk           | None (within 0m)         |       |         |          |           |
| 42        | 5.5         | Groundwater vulnerability- local information           | None (within 0m)         |       |         |          |           |
| <b>43</b> | <b>5.6</b>  | <b><u>Groundwater abstractions</u></b>                 | 0                        | 0     | 0       | 0        | 8         |
| 46        | 5.7         | Surface water abstractions                             | 0                        | 0     | 0       | 0        | 0         |
| 46        | 5.8         | Potable abstractions                                   | 0                        | 0     | 0       | 0        | 0         |
| 46        | 5.9         | Source Protection Zones                                | 0                        | 0     | 0       | 0        | -         |
| 46        | 5.10        | Source Protection Zones (confined aquifer)             | 0                        | 0     | 0       | 0        | -         |
| Page      | Section     | Hydrology                                              | On site                  | 0-50m | 50-250m | 250-500m | 500-2000m |
| <b>47</b> | <b>6.1</b>  | <b><u>Water Network (OS MasterMap)</u></b>             | 0                        | 0     | 1       | -        | -         |



| <b>48</b> | <b>6.2</b>   | <b><u>Surface water features</u></b>            | 0                                      | 0     | 1       | -        | -         |
|-----------|--------------|-------------------------------------------------|----------------------------------------|-------|---------|----------|-----------|
| <b>48</b> | <b>6.3</b>   | <b><u>WFD Surface water body catchments</u></b> | 1                                      | -     | -       | -        | -         |
| <b>48</b> | <b>6.4</b>   | <b><u>WFD Surface water bodies</u></b>          | 0                                      | 0     | 0       | -        | -         |
| <b>49</b> | <b>6.5</b>   | <b><u>WFD Groundwater bodies</u></b>            | 1                                      | -     | -       | -        | -         |
| Page      | Section      | River and coastal flooding                      | On site                                | 0-50m | 50-250m | 250-500m | 500-2000m |
| 50        | 7.1          | Risk of Flooding from Rivers and Sea (RoFRaS)   | None (within 50m)                      |       |         |          |           |
| 50        | 7.2          | Historical Flood Events                         | 0                                      | 0     | 0       | -        | -         |
| 50        | 7.3          | Flood Defences                                  | 0                                      | 0     | 0       | -        | -         |
| 50        | 7.4          | Areas Benefiting from Flood Defences            | 0                                      | 0     | 0       | -        | -         |
| 51        | 7.5          | Flood Storage Areas                             | 0                                      | 0     | 0       | -        | -         |
| 52        | 7.6          | Flood Zone 2                                    | None (within 50m)                      |       |         |          |           |
| 52        | 7.7          | Flood Zone 3                                    | None (within 50m)                      |       |         |          |           |
| Page      | Section      | Surface water flooding                          |                                        |       |         |          |           |
| <b>53</b> | <b>8.1</b>   | <b><u>Surface water flooding</u></b>            | 1 in 30 year, 0.1m - 0.3m (within 50m) |       |         |          |           |
| Page      | Section      | Groundwater flooding                            |                                        |       |         |          |           |
| <b>55</b> | <b>9.1</b>   | <b><u>Groundwater flooding</u></b>              | Low (within 50m)                       |       |         |          |           |
| Page      | Section      | Environmental designations                      | On site                                | 0-50m | 50-250m | 250-500m | 500-2000m |
| 56        | 10.1         | Sites of Special Scientific Interest (SSSI)     | 0                                      | 0     | 0       | 0        | 0         |
| 57        | 10.2         | Conserved wetland sites (Ramsar sites)          | 0                                      | 0     | 0       | 0        | 0         |
| 57        | 10.3         | Special Areas of Conservation (SAC)             | 0                                      | 0     | 0       | 0        | 0         |
| 57        | 10.4         | Special Protection Areas (SPA)                  | 0                                      | 0     | 0       | 0        | 0         |
| 57        | 10.5         | National Nature Reserves (NNR)                  | 0                                      | 0     | 0       | 0        | 0         |
| <b>58</b> | <b>10.6</b>  | <b><u>Local Nature Reserves (LNR)</u></b>       | 0                                      | 0     | 0       | 0        | 5         |
| <b>58</b> | <b>10.7</b>  | <b><u>Designated Ancient Woodland</u></b>       | 0                                      | 0     | 0       | 0        | 1         |
| 58        | 10.8         | Biosphere Reserves                              | 0                                      | 0     | 0       | 0        | 0         |
| 59        | 10.9         | Forest Parks                                    | 0                                      | 0     | 0       | 0        | 0         |
| 59        | 10.10        | Marine Conservation Zones                       | 0                                      | 0     | 0       | 0        | 0         |
| <b>59</b> | <b>10.11</b> | <b><u>Green Belt</u></b>                        | 0                                      | 0     | 0       | 0        | 1         |
| 59        | 10.12        | Proposed Ramsar sites                           | 0                                      | 0     | 0       | 0        | 0         |



| 60        | 10.13        | Possible Special Areas of Conservation (pSAC)  | 0                        | 0        | 0        | 0        | 0         |
|-----------|--------------|------------------------------------------------|--------------------------|----------|----------|----------|-----------|
| 60        | 10.14        | Potential Special Protection Areas (pSPA)      | 0                        | 0        | 0        | 0        | 0         |
| 60        | 10.15        | Nitrate Sensitive Areas                        | 0                        | 0        | 0        | 0        | 0         |
| <b>60</b> | <b>10.16</b> | <b><u>Nitrate Vulnerable Zones</u></b>         | <b>1</b>                 | <b>1</b> | <b>1</b> | <b>0</b> | <b>1</b>  |
| <b>62</b> | <b>10.17</b> | <b><u>SSSI Impact Risk Zones</u></b>           | <b>1</b>                 | <b>-</b> | <b>-</b> | <b>-</b> | <b>-</b>  |
| 63        | 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 |
| 64        | 11.1         | World Heritage Sites                           | 0                        | 0        | 0        | -        | -         |
| 65        | 11.2         | Area of Outstanding Natural Beauty             | 0                        | 0        | 0        | -        | -         |
| 65        | 11.3         | National Parks                                 | 0                        | 0        | 0        | -        | -         |
| 65        | 11.4         | Listed Buildings                               | 0                        | 0        | 0        | -        | -         |
| <b>65</b> | <b>11.5</b>  | <b><u>Conservation Areas</u></b>               | <b>0</b>                 | <b>1</b> | <b>1</b> | <b>-</b> | <b>-</b>  |
| 66        | 11.6         | Scheduled Ancient Monuments                    | 0                        | 0        | 0        | -        | -         |
| 66        | 11.7         | Registered Parks and Gardens                   | 0                        | 0        | 0        | -        | -         |
| Page      | Section      | Agricultural designations                      | On site                  | 0-50m    | 50-250m  | 250-500m | 500-2000m |
| <b>67</b> | <b>12.1</b>  | <b><u>Agricultural Land Classification</u></b> | Urban (within 250m)      |          |          |          |           |
| 68        | 12.2         | Open Access Land                               | 0                        | 0        | 0        | -        | -         |
| 68        | 12.3         | Tree Felling Licences                          | 0                        | 0        | 0        | -        | -         |
| 68        | 12.4         | Environmental Stewardship Schemes              | 0                        | 0        | 0        | -        | -         |
| 68        | 12.5         | Countryside Stewardship Schemes                | 0                        | 0        | 0        | -        | -         |
| Page      | Section      | Habitat designations                           | On site                  | 0-50m    | 50-250m  | 250-500m | 500-2000m |
| <b>69</b> | <b>13.1</b>  | <b><u>Priority Habitat Inventory</u></b>       | 0                        | 0        | 2        | -        | -         |
| 70        | 13.2         | Habitat Networks                               | 0                        | 0        | 0        | -        | -         |
| 70        | 13.3         | Open Mosaic Habitat                            | 0                        | 0        | 0        | -        | -         |
| 70        | 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 |
| <b>71</b> | <b>14.1</b>  | <b><u>10k Availability</u></b>                 | Identified (within 500m) |          |          |          |           |
| <b>72</b> | <b>14.2</b>  | <b><u>Artificial and made ground (10k)</u></b> | 0                        | 0        | 2        | 3        | -         |
| <b>74</b> | <b>14.3</b>  | <b><u>Superficial geology (10k)</u></b>        | 1                        | 0        | 2        | 0        | -         |

| 75        | 14.4         | Landslip (10k)                                               | 0                        | 0     | 0       | 0        | -         |
|-----------|--------------|--------------------------------------------------------------|--------------------------|-------|---------|----------|-----------|
| <b>76</b> | <b>14.5</b>  | <b><u>Bedrock geology (10k)</u></b>                          | 1                        | 1     | 1       | 1        | -         |
| <b>77</b> | <b>14.6</b>  | <b><u>Bedrock faults and other linear features (10k)</u></b> | 0                        | 1     | 0       | 0        | -         |
| Page      | Section      | Geology 1:50,000 scale                                       | On site                  | 0-50m | 50-250m | 250-500m | 500-2000m |
| <b>78</b> | <b>15.1</b>  | <b><u>50k Availability</u></b>                               | Identified (within 500m) |       |         |          |           |
| 79        | 15.2         | Artificial and made ground (50k)                             | 0                        | 0     | 0       | 0        | -         |
| 79        | 15.3         | Artificial ground permeability (50k)                         | 0                        | 0     | -       | -        | -         |
| <b>80</b> | <b>15.4</b>  | <b><u>Superficial geology (50k)</u></b>                      | 1                        | 0     | 2       | 0        | -         |
| <b>81</b> | <b>15.5</b>  | <b><u>Superficial permeability (50k)</u></b>                 | Identified (within 50m)  |       |         |          |           |
| 81        | 15.6         | Landslip (50k)                                               | 0                        | 0     | 0       | 0        | -         |
| 81        | 15.7         | Landslip permeability (50k)                                  | None (within 50m)        |       |         |          |           |
| <b>82</b> | <b>15.8</b>  | <b><u>Bedrock geology (50k)</u></b>                          | 1                        | 1     | 1       | 1        | -         |
| <b>83</b> | <b>15.9</b>  | <b><u>Bedrock permeability (50k)</u></b>                     | Identified (within 50m)  |       |         |          |           |
| <b>83</b> | <b>15.10</b> | <b><u>Bedrock faults and other linear features (50k)</u></b> | 0                        | 1     | 0       | 0        | -         |
| Page      | Section      | Boreholes                                                    | On site                  | 0-50m | 50-250m | 250-500m | 500-2000m |
| <b>84</b> | <b>16.1</b>  | <b><u>BGS Boreholes</u></b>                                  | 0                        | 0     | 3       | -        | -         |
| Page      | Section      | Natural ground subsidence                                    |                          |       |         |          |           |
| <b>86</b> | <b>17.1</b>  | <b><u>Shrink swell clays</u></b>                             | Very low (within 50m)    |       |         |          |           |
| <b>87</b> | <b>17.2</b>  | <b><u>Running sands</u></b>                                  | Very low (within 50m)    |       |         |          |           |
| <b>88</b> | <b>17.3</b>  | <b><u>Compressible deposits</u></b>                          | Negligible (within 50m)  |       |         |          |           |
| <b>89</b> | <b>17.4</b>  | <b><u>Collapsible deposits</u></b>                           | Very low (within 50m)    |       |         |          |           |
| <b>90</b> | <b>17.5</b>  | <b><u>Landslides</u></b>                                     | Very low (within 50m)    |       |         |          |           |
| <b>91</b> | <b>17.6</b>  | <b><u>Ground dissolution of soluble rocks</u></b>            | Negligible (within 50m)  |       |         |          |           |
| Page      | Section      | Mining, ground workings and natural cavities                 | On site                  | 0-50m | 50-250m | 250-500m | 500-2000m |
| 92        | 18.1         | Natural cavities                                             | 0                        | 0     | 0       | 0        | -         |
| 93        | 18.2         | BritPits                                                     | 0                        | 0     | 0       | 0        | -         |
| <b>93</b> | <b>18.3</b>  | <b><u>Surface ground workings</u></b>                        | 0                        | 0     | 34      | -        | -         |
| 94        | 18.4         | Underground workings                                         | 0                        | 0     | 0       | 0        | 0         |
| 95        | 18.5         | Historical Mineral Planning Areas                            | 0                        | 0     | 0       | 0        | -         |



| 95         | 18.6        | Non-coal mining                                       | 0                        | 0     | 0       | 0        | 0         |
|------------|-------------|-------------------------------------------------------|--------------------------|-------|---------|----------|-----------|
| 95         | 18.7        | Mining cavities                                       | 0                        | 0     | 0       | 0        | 0         |
| 95         | 18.8        | JPB mining areas                                      | None (within 0m)         |       |         |          |           |
| <b>95</b>  | <b>18.9</b> | <b><u>Coal mining</u></b>                             | Identified (within 0m)   |       |         |          |           |
| 96         | 18.10       | Brine areas                                           | None (within 0m)         |       |         |          |           |
| 96         | 18.11       | Gypsum areas                                          | None (within 0m)         |       |         |          |           |
| 96         | 18.12       | Tin mining                                            | None (within 0m)         |       |         |          |           |
| 96         | 18.13       | Clay mining                                           | None (within 0m)         |       |         |          |           |
| Page       | Section     | Radon                                                 |                          |       |         |          |           |
| <b>97</b>  | <b>19.1</b> | <b><u>Radon</u></b>                                   | Less than 1% (within 0m) |       |         |          |           |
| Page       | Section     | Soil chemistry                                        | On site                  | 0-50m | 50-250m | 250-500m | 500-2000m |
| <b>98</b>  | <b>20.1</b> | <b><u>BGS Estimated Background Soil Chemistry</u></b> | 2                        | 0     | -       | -        | -         |
| 98         | 20.2        | BGS Estimated Urban Soil Chemistry                    | 0                        | 0     | -       | -        | -         |
| 98         | 20.3        | BGS Measured Urban Soil Chemistry                     | 0                        | 0     | -       | -        | -         |
| Page       | Section     | Railway infrastructure and projects                   | On site                  | 0-50m | 50-250m | 250-500m | 500-2000m |
| 99         | 21.1        | Underground railways (London)                         | 0                        | 0     | 0       | -        | -         |
| 99         | 21.2        | Underground railways (Non-London)                     | 0                        | 0     | 0       | -        | -         |
| 100        | 21.3        | Railway tunnels                                       | 0                        | 0     | 0       | -        | -         |
| <b>100</b> | <b>21.4</b> | <b><u>Historical railway and tunnel features</u></b>  | 0                        | 0     | 14      | -        | -         |
| 101        | 21.5        | Royal Mail tunnels                                    | 0                        | 0     | 0       | -        | -         |
| 101        | 21.6        | Historical railways                                   | 0                        | 0     | 0       | -        | -         |
| <b>101</b> | <b>21.7</b> | <b><u>Railways</u></b>                                | 0                        | 0     | 13      | -        | -         |
| 102        | 21.8        | Crossrail 1                                           | 0                        | 0     | 0       | 0        | -         |
| 102        | 21.9        | Crossrail 2                                           | 0                        | 0     | 0       | 0        | -         |
| 102        | 21.10       | HS2                                                   | 0                        | 0     | 0       | 0        | -         |

## Recent aerial photograph



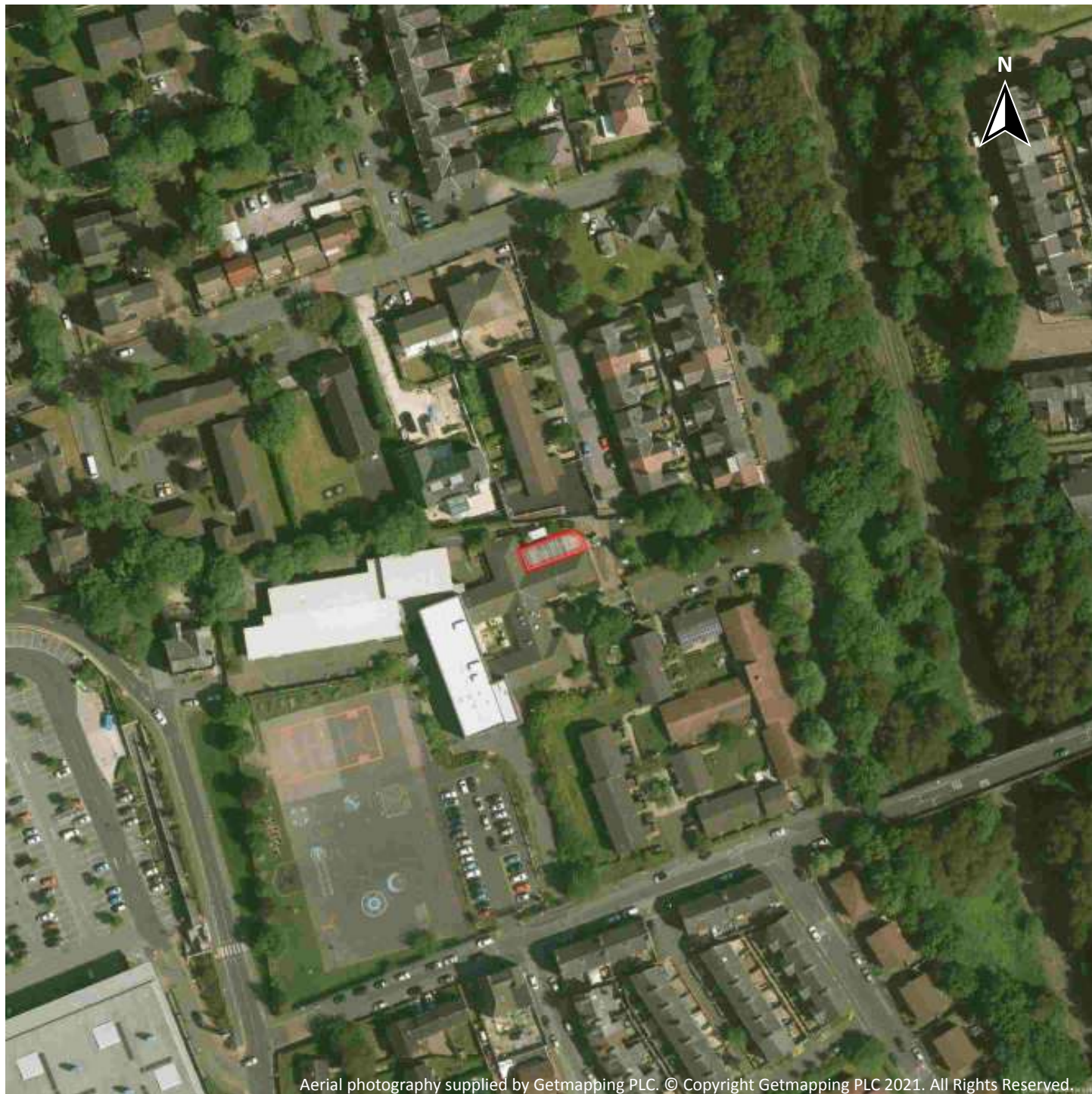
Aerial photography supplied by Getmapping PLC. © Copyright Getmapping PLC 2021. All Rights Reserved.

Capture Date: 22/04/2019

Site Area: 0.01ha



## Recent site history - 2015 aerial photograph



Capture Date: 11/06/2015

Site Area: 0.01ha



## Recent site history - 2009 aerial photograph

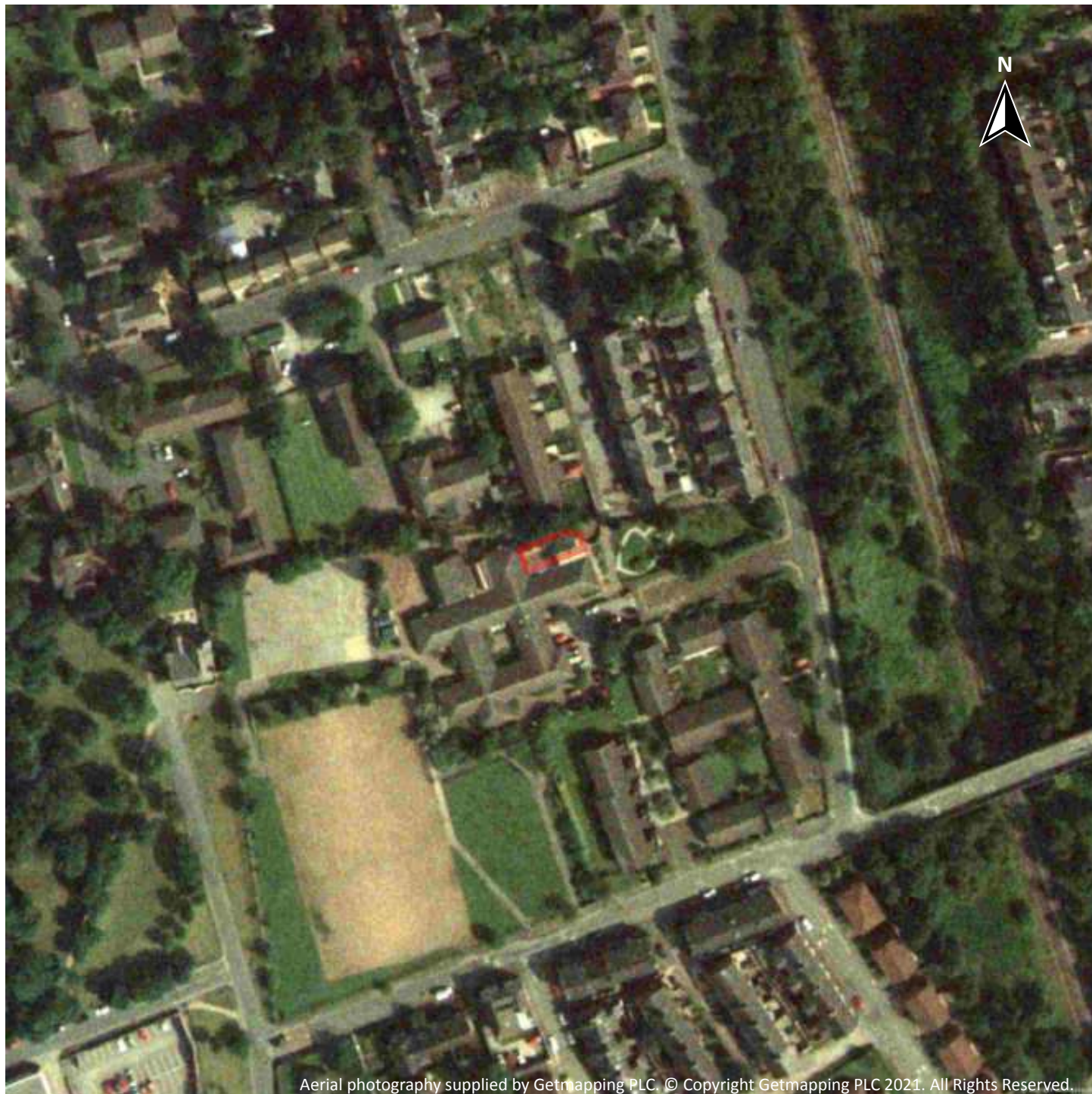


Capture Date: 02/06/2009

Site Area: 0.01ha



## Recent site history - 2000 aerial photograph



Capture Date: 27/06/2000

Site Area: 0.01ha



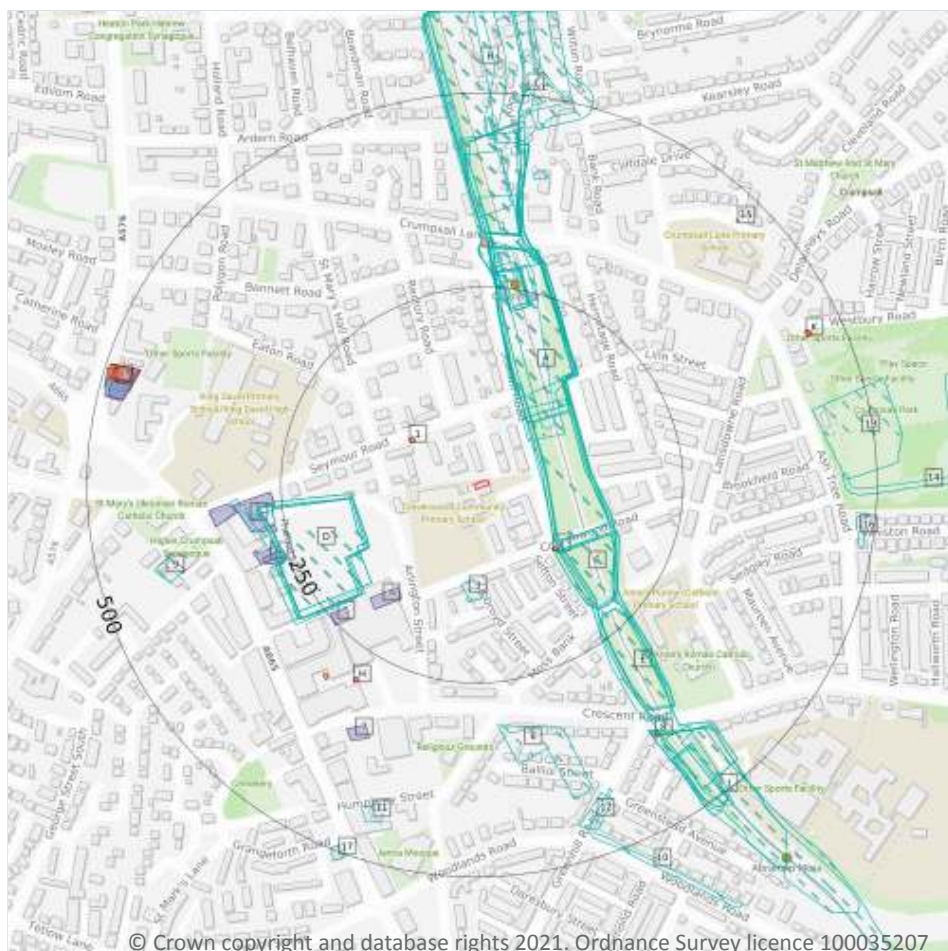
## OS MasterMap site plan



Site Area: 0.01ha



## 1 Past land use



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

### 1.1 Historical industrial land uses

#### Records within 500m

67

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 13**

| ID | Location | Land use | Dates present | Group ID |
|----|----------|----------|---------------|----------|
| A  | 67m E    | Cuttings | 1907 - 1938   | 765845   |



| ID | Location | Land use        | Dates present | Group ID |
|----|----------|-----------------|---------------|----------|
| A  | 70m E    | Cuttings        | 1968          | 704477   |
| A  | 70m E    | Cuttings        | 1956          | 725479   |
| B  | 73m NE   | Railway Sidings | 1938          | 758058   |
| A  | 74m E    | Cuttings        | 1891          | 785529   |
| A  | 74m E    | Cuttings        | 1985          | 729186   |
| A  | 76m E    | Cuttings        | 1977          | 774308   |
| B  | 91m NE   | Railway Sidings | 1956 - 1968   | 772237   |
| B  | 94m NE   | Railway Sidings | 1977          | 784504   |
| B  | 95m NE   | Railway Sidings | 1932          | 711692   |
| B  | 95m NE   | Railway Sidings | 1915          | 720063   |
| B  | 98m NE   | Railway Sidings | 1923          | 732162   |
| B  | 115m N   | Cuttings        | 1891          | 699150   |
| 3  | 118m S   | Police Station  | 1891          | 680461   |
| C  | 124m SE  | Cuttings        | 1891 - 1915   | 751354   |
| C  | 124m SE  | Cuttings        | 1932          | 779800   |
| C  | 127m SE  | Cuttings        | 1938          | 714631   |
| C  | 127m SE  | Cuttings        | 1923          | 770129   |
| D  | 154m W   | Cemetery        | 1956          | 716176   |
| D  | 154m W   | Cemetery        | 1968 - 1985   | 762182   |
| D  | 154m W   | Cemetery        | 1851 - 1891   | 754931   |
| D  | 157m W   | Cemetery        | 1923          | 760911   |
| D  | 157m W   | Cemetery        | 1938          | 778997   |
| D  | 161m W   | Cemetery        | 1907 - 1915   | 703534   |
| D  | 161m W   | Cemetery        | 1932          | 742006   |
| B  | 221m N   | Railway Station | 1907 - 1915   | 747152   |
| B  | 221m N   | Railway Station | 1932 - 1968   | 775036   |
| B  | 221m N   | Railway Station | 1923          | 735937   |
| B  | 221m N   | Railway Station | 1938          | 761091   |



| ID | Location | Land use                    | Dates present | Group ID |
|----|----------|-----------------------------|---------------|----------|
| E  | 223m SE  | Cuttings                    | 1891          | 782060   |
| B  | 224m N   | Railway Station             | 1891          | 770965   |
| E  | 226m SE  | Cuttings                    | 1907 - 1938   | 761833   |
| B  | 228m N   | Railway Station             | 1977 - 1985   | 749973   |
| B  | 269m N   | Cuttings                    | 1915          | 754232   |
| B  | 269m N   | Cuttings                    | 1932          | 774821   |
| B  | 281m N   | Railway Building            | 1932 - 1938   | 700570   |
| B  | 288m N   | Railway Building            | 1891          | 746550   |
| 6  | 306m S   | Nursery                     | 1851          | 679990   |
| B  | 318m N   | Railway Sidings             | 1915          | 695835   |
| B  | 318m N   | Railway Sidings             | 1932          | 714814   |
| B  | 318m N   | Cuttings                    | 1915          | 716113   |
| B  | 319m N   | Cuttings                    | 1923 - 1938   | 737446   |
| B  | 319m N   | Cuttings                    | 1891 - 1907   | 738680   |
| B  | 320m N   | Railway Sidings             | 1891          | 705752   |
| B  | 324m N   | Railway Building            | 1932 - 1938   | 752919   |
| B  | 339m N   | Railway Sidings             | 1907          | 786119   |
| I  | 378m SE  | Railway Sidings             | 1938          | 715044   |
| I  | 379m SE  | Railway Sidings             | 1932 - 1933   | 724793   |
| 9  | 389m W   | Hospital                    | 1891          | 682602   |
| I  | 392m SE  | Cuttings                    | 1932 - 1938   | 770272   |
| B  | 394m N   | Sand Pit                    | 1851          | 643975   |
| I  | 399m SE  | Cuttings                    | 1891          | 704469   |
| I  | 412m SE  | Railway Sidings             | 1956 - 1968   | 746133   |
| 10 | 422m S   | Unspecified Ground Workings | 1907          | 648399   |
| 11 | 423m S   | Police Station              | 1968          | 680460   |
| 12 | 423m S   | Unspecified Heap            | 1891          | 651086   |
| I  | 424m SE  | Cuttings                    | 1907          | 752455   |



| ID | Location | Land use                    | Dates present | Group ID |
|----|----------|-----------------------------|---------------|----------|
| I  | 424m SE  | Cuttings                    | 1915          | 781058   |
| I  | 427m SE  | Cuttings                    | 1923          | 786378   |
| 13 | 428m E   | Brick Works                 | 1891          | 668982   |
| J  | 436m N   | Coal Yard                   | 1956 - 1968   | 750622   |
| B  | 441m N   | Railway Buildings           | 1891          | 681682   |
| 14 | 456m E   | Unspecified Ground Workings | 1906 - 1915   | 746413   |
| L  | 458m W   | Electric Substation         | 1915 - 1923   | 770326   |
| J  | 459m N   | Coal Wharf                  | 1923          | 766781   |
| 16 | 475m E   | Unspecified Ground Workings | 1906          | 648400   |
| 17 | 490m S   | Police Station              | 1985          | 680452   |

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

## 1.2 Historical tanks

### Records within 500m

1

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 13**

| ID | Location | Land use         | Dates present | Group ID |
|----|----------|------------------|---------------|----------|
| 15 | 463m NE  | Unspecified Tank | 1909          | 85343    |

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

## 1.3 Historical energy features

### Records within 500m

13

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 13**

| ID | Location | Land use               | Dates present | Group ID |
|----|----------|------------------------|---------------|----------|
| 1  | 95m NW   | Electricity Substation | 1995 - 1996   | 52904    |
| 2  | 116m SE  | Electricity Substation | 1984 - 1992   | 53012    |
| H  | 287m SW  | Electricity Substation | 1981 - 1995   | 54542    |
| B  | 301m N   | Electricity Substation | 1984 - 1993   | 59318    |
| H  | 306m SW  | Electricity Substation | 1971 - 1995   | 50494    |
| 8  | 383m SE  | Electricity Substation | 1967 - 1992   | 51986    |
| K  | 452m NE  | Electricity Substation | 1984 - 1993   | 49376    |
| K  | 452m NE  | Electricity Substation | 1951 - 1969   | 54093    |
| L  | 455m W   | Electricity Substation | 1979          | 47163    |
| L  | 455m W   | Electricity Substation | 1987          | 49929    |
| L  | 456m W   | Electricity Substation | 1909 - 1951   | 55147    |
| L  | 464m W   | Electricity Substation | 1951 - 1996   | 52994    |
| L  | 464m W   | Electricity Substation | 1967          | 58703    |

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

## 1.4 Historical petrol stations

**Records within 500m**

**0**

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

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

## 1.5 Historical garages

**Records within 500m**

**10**

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



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

Features are displayed on the Past land use map on **page 13**

| ID | Location | Land use                          | Dates present | Group ID |
|----|----------|-----------------------------------|---------------|----------|
| 4  | 162m SW  | Garages                           | 1951          | 14745    |
| 5  | 228m SW  | Garage                            | 1951          | 14680    |
| F  | 259m W   | Tractor Repairs Engineering Works | 1951          | 14758    |
| G  | 260m W   | Garage                            | 1951 - 1995   | 19347    |
| G  | 271m W   | Garage                            | 1981 - 1986   | 18787    |
| F  | 309m W   | Garage                            | 1967 - 1987   | 19713    |
| 7  | 336m SW  | Garage                            | 1971          | 14679    |
| L  | 456m W   | Garage                            | 1967          | 16430    |
| L  | 460m W   | Garage                            | 1979 - 1996   | 19344    |
| L  | 462m W   | Garage                            | 1967          | 14839    |

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

## 1.6 Historical military land

**Records within 500m**

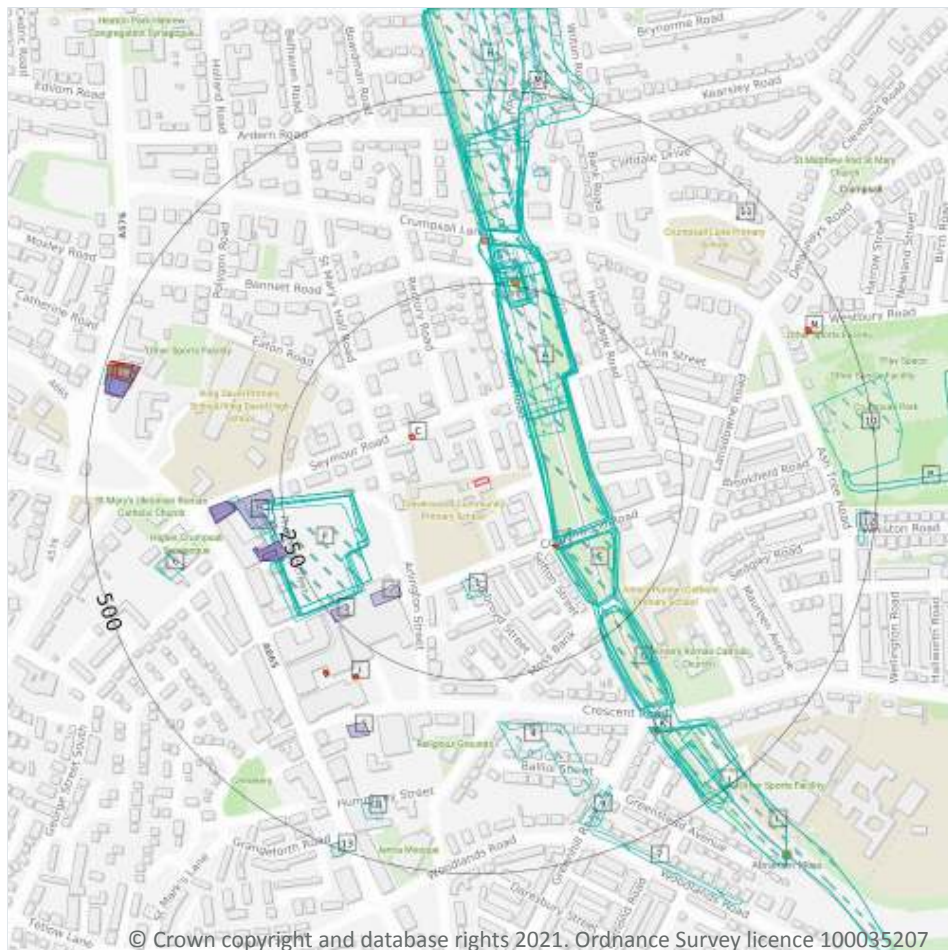
**0**

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

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



## 2 Past land use - un-grouped



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

### 2.1 Historical industrial land uses

Records within 500m

96

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 19**

| ID | Location | Land Use | Date | Group ID |
|----|----------|----------|------|----------|
| A  | 67m E    | Cuttings | 1932 | 765845   |
| A  | 67m E    | Cuttings | 1915 | 765845   |
| A  | 67m E    | Cuttings | 1907 | 765845   |



| ID | Location | Land Use        | Date | Group ID |
|----|----------|-----------------|------|----------|
| A  | 68m E    | Cuttings        | 1923 | 765845   |
| A  | 68m E    | Cuttings        | 1938 | 765845   |
| A  | 70m E    | Cuttings        | 1968 | 704477   |
| A  | 70m E    | Cuttings        | 1956 | 725479   |
| B  | 73m NE   | Railway Sidings | 1938 | 758058   |
| A  | 74m E    | Cuttings        | 1891 | 785529   |
| A  | 74m E    | Cuttings        | 1985 | 729186   |
| A  | 76m E    | Cuttings        | 1977 | 774308   |
| B  | 91m NE   | Railway Sidings | 1968 | 772237   |
| B  | 91m NE   | Railway Sidings | 1956 | 772237   |
| B  | 94m NE   | Railway Sidings | 1977 | 784504   |
| B  | 95m NE   | Railway Sidings | 1932 | 711692   |
| B  | 95m NE   | Railway Sidings | 1915 | 720063   |
| B  | 98m NE   | Railway Sidings | 1923 | 732162   |
| B  | 115m N   | Cuttings        | 1891 | 699150   |
| 1  | 118m S   | Police Station  | 1891 | 680461   |
| E  | 124m SE  | Cuttings        | 1891 | 751354   |
| E  | 124m SE  | Cuttings        | 1932 | 779800   |
| E  | 124m SE  | Cuttings        | 1915 | 751354   |
| E  | 124m SE  | Cuttings        | 1907 | 751354   |
| E  | 127m SE  | Cuttings        | 1923 | 770129   |
| E  | 127m SE  | Cuttings        | 1938 | 714631   |
| F  | 154m W   | Cemetery        | 1985 | 762182   |
| F  | 154m W   | Cemetery        | 1977 | 762182   |
| F  | 154m W   | Cemetery        | 1968 | 762182   |
| F  | 154m W   | Cemetery        | 1956 | 716176   |
| F  | 154m W   | Cemetery        | 1891 | 754931   |
| F  | 157m W   | Cemetery        | 1923 | 760911   |



| ID | Location | Land Use         | Date | Group ID |
|----|----------|------------------|------|----------|
| F  | 157m W   | Cemetery         | 1938 | 778997   |
| F  | 161m W   | Cemetery         | 1932 | 742006   |
| F  | 161m W   | Cemetery         | 1915 | 703534   |
| F  | 161m W   | Cemetery         | 1907 | 703534   |
| F  | 168m W   | Cemetery         | 1851 | 754931   |
| B  | 221m N   | Railway Station  | 1932 | 775036   |
| B  | 221m N   | Railway Station  | 1915 | 747152   |
| B  | 221m N   | Railway Station  | 1938 | 761091   |
| B  | 221m N   | Railway Station  | 1907 | 747152   |
| B  | 221m N   | Railway Station  | 1923 | 735937   |
| G  | 223m SE  | Cuttings         | 1891 | 782060   |
| B  | 224m N   | Railway Station  | 1891 | 770965   |
| G  | 226m SE  | Cuttings         | 1932 | 761833   |
| G  | 226m SE  | Cuttings         | 1915 | 761833   |
| G  | 226m SE  | Cuttings         | 1907 | 761833   |
| B  | 228m N   | Railway Station  | 1968 | 775036   |
| B  | 228m N   | Railway Station  | 1956 | 775036   |
| B  | 228m N   | Railway Station  | 1977 | 749973   |
| G  | 229m SE  | Cuttings         | 1923 | 761833   |
| G  | 229m SE  | Cuttings         | 1938 | 761833   |
| B  | 240m N   | Railway Station  | 1985 | 749973   |
| B  | 269m N   | Cuttings         | 1932 | 774821   |
| B  | 269m N   | Cuttings         | 1915 | 754232   |
| B  | 281m N   | Railway Building | 1938 | 700570   |
| B  | 283m N   | Railway Building | 1932 | 700570   |
| B  | 288m N   | Railway Building | 1891 | 746550   |
| 4  | 306m S   | Nursery          | 1851 | 679990   |
| B  | 318m N   | Railway Sidings  | 1932 | 714814   |



| ID | Location | Land Use                    | Date | Group ID |
|----|----------|-----------------------------|------|----------|
| B  | 318m N   | Railway Sidings             | 1915 | 695835   |
| B  | 318m N   | Cuttings                    | 1915 | 716113   |
| B  | 319m N   | Cuttings                    | 1923 | 737446   |
| B  | 319m N   | Cuttings                    | 1938 | 737446   |
| B  | 319m N   | Cuttings                    | 1932 | 737446   |
| B  | 319m N   | Cuttings                    | 1907 | 738680   |
| B  | 320m N   | Cuttings                    | 1891 | 738680   |
| B  | 320m N   | Railway Sidings             | 1891 | 705752   |
| B  | 324m N   | Railway Building            | 1938 | 752919   |
| B  | 326m N   | Railway Building            | 1932 | 752919   |
| B  | 339m N   | Railway Sidings             | 1907 | 786119   |
| J  | 378m SE  | Railway Sidings             | 1938 | 715044   |
| J  | 379m SE  | Railway Sidings             | 1932 | 724793   |
| 6  | 389m W   | Hospital                    | 1891 | 682602   |
| J  | 392m SE  | Cuttings                    | 1932 | 770272   |
| J  | 393m SE  | Cuttings                    | 1938 | 770272   |
| B  | 394m N   | Sand Pit                    | 1851 | 643975   |
| J  | 399m SE  | Cuttings                    | 1891 | 704469   |
| L  | 412m SE  | Railway Sidings             | 1968 | 746133   |
| L  | 412m SE  | Railway Sidings             | 1956 | 746133   |
| 7  | 422m S   | Unspecified Ground Workings | 1907 | 648399   |
| 8  | 423m S   | Police Station              | 1968 | 680460   |
| 9  | 423m S   | Unspecified Heap            | 1891 | 651086   |
| J  | 424m SE  | Cuttings                    | 1915 | 781058   |
| J  | 424m SE  | Cuttings                    | 1907 | 752455   |
| J  | 427m SE  | Cuttings                    | 1923 | 786378   |
| 10 | 428m E   | Brick Works                 | 1891 | 668982   |
| M  | 436m N   | Coal Yard                   | 1956 | 750622   |



| ID | Location | Land Use                    | Date | Group ID |
|----|----------|-----------------------------|------|----------|
| M  | 436m N   | Coal Yard                   | 1968 | 750622   |
| B  | 441m N   | Railway Buildings           | 1891 | 681682   |
| P  | 456m E   | Unspecified Ground Workings | 1906 | 746413   |
| P  | 456m E   | Unspecified Ground Workings | 1915 | 746413   |
| O  | 458m W   | Electric Substation         | 1923 | 770326   |
| M  | 459m N   | Coal Wharf                  | 1923 | 766781   |
| O  | 459m W   | Electric Substation         | 1915 | 770326   |
| 12 | 475m E   | Unspecified Ground Workings | 1906 | 648400   |
| 13 | 490m S   | Police Station              | 1985 | 680452   |

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

## 2.2 Historical tanks

### Records within 500m

1

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 19**

| ID | Location | Land Use         | Date | Group ID |
|----|----------|------------------|------|----------|
| 11 | 463m NE  | Unspecified Tank | 1909 | 85343    |

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

## 2.3 Historical energy features

### Records within 500m

44

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 19**

| ID | Location | Land Use               | Date | Group ID |
|----|----------|------------------------|------|----------|
| C  | 95m NW   | Electricity Substation | 1996 | 52904    |



| ID | Location | Land Use               | Date | Group ID |
|----|----------|------------------------|------|----------|
| C  | 95m NW   | Electricity Substation | 1995 | 52904    |
| D  | 116m SE  | Electricity Substation | 1984 | 53012    |
| D  | 117m SE  | Electricity Substation | 1992 | 53012    |
| I  | 287m SW  | Electricity Substation | 1995 | 54542    |
| I  | 287m SW  | Electricity Substation | 1995 | 54542    |
| I  | 287m SW  | Electricity Substation | 1992 | 54542    |
| I  | 287m SW  | Electricity Substation | 1995 | 54542    |
| I  | 287m SW  | Electricity Substation | 1989 | 54542    |
| I  | 287m SW  | Electricity Substation | 1989 | 54542    |
| I  | 288m SW  | Electricity Substation | 1981 | 54542    |
| I  | 288m SW  | Electricity Substation | 1981 | 54542    |
| I  | 288m SW  | Electricity Substation | 1986 | 54542    |
| B  | 301m N   | Electricity Substation | 1984 | 59318    |
| B  | 303m N   | Electricity Substation | 1993 | 59318    |
| I  | 306m SW  | Electricity Substation | 1995 | 50494    |
| I  | 306m SW  | Electricity Substation | 1995 | 50494    |
| I  | 306m SW  | Electricity Substation | 1992 | 50494    |
| I  | 306m SW  | Electricity Substation | 1995 | 50494    |
| I  | 306m SW  | Electricity Substation | 1989 | 50494    |
| I  | 306m SW  | Electricity Substation | 1989 | 50494    |
| I  | 306m SW  | Electricity Substation | 1971 | 50494    |
| I  | 307m SW  | Electricity Substation | 1981 | 50494    |
| I  | 307m SW  | Electricity Substation | 1981 | 50494    |
| I  | 307m SW  | Electricity Substation | 1986 | 50494    |
| K  | 383m SE  | Electricity Substation | 1984 | 51986    |
| K  | 384m SE  | Electricity Substation | 1968 | 51986    |
| K  | 385m SE  | Electricity Substation | 1967 | 51986    |
| K  | 385m SE  | Electricity Substation | 1992 | 51986    |



| ID | Location | Land Use               | Date | Group ID |
|----|----------|------------------------|------|----------|
| N  | 452m NE  | Electricity Substation | 1984 | 49376    |
| N  | 452m NE  | Electricity Substation | 1951 | 54093    |
| N  | 452m NE  | Electricity Substation | 1968 | 54093    |
| N  | 452m NE  | Electricity Substation | 1969 | 54093    |
| N  | 453m NE  | Electricity Substation | 1993 | 49376    |
| O  | 455m W   | Electricity Substation | 1979 | 47163    |
| O  | 455m W   | Electricity Substation | 1987 | 49929    |
| O  | 456m W   | Electricity Substation | 1951 | 55147    |
| O  | 457m W   | Electricity Substation | 1909 | 55147    |
| O  | 457m W   | Electricity Substation | 1922 | 55147    |
| O  | 464m W   | Electricity Substation | 1967 | 52994    |
| O  | 464m W   | Electricity Substation | 1951 | 52994    |
| O  | 464m W   | Electricity Substation | 1967 | 58703    |
| O  | 464m W   | Electricity Substation | 1996 | 52994    |
| O  | 464m W   | Electricity Substation | 1995 | 52994    |

*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**

**25**

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 19**



| ID | Location | Land Use                          | Date | Group ID |
|----|----------|-----------------------------------|------|----------|
| 2  | 162m SW  | Garages                           | 1951 | 14745    |
| 3  | 228m SW  | Garage                            | 1951 | 14680    |
| H  | 259m W   | Tractor Repairs Engineering Works | 1951 | 14758    |
| F  | 260m W   | Garage                            | 1989 | 19347    |
| F  | 260m W   | Garage                            | 1989 | 19347    |
| F  | 260m W   | Garage                            | 1971 | 19347    |
| F  | 260m W   | Garage                            | 1951 | 19347    |
| F  | 260m W   | Garage                            | 1995 | 19347    |
| F  | 260m W   | Garage                            | 1995 | 19347    |
| F  | 260m W   | Garage                            | 1995 | 19347    |
| F  | 260m W   | Garage                            | 1992 | 19347    |
| F  | 271m W   | Garage                            | 1981 | 18787    |
| F  | 271m W   | Garage                            | 1981 | 18787    |
| F  | 271m W   | Garage                            | 1986 | 18787    |
| H  | 309m W   | Garage                            | 1979 | 19713    |
| H  | 309m W   | Garage                            | 1987 | 19713    |
| H  | 311m W   | Garage                            | 1967 | 19713    |
| H  | 312m W   | Garage                            | 1967 | 19713    |
| 5  | 336m SW  | Garage                            | 1971 | 14679    |
| O  | 456m W   | Garage                            | 1967 | 16430    |
| O  | 460m W   | Garage                            | 1979 | 19344    |
| O  | 460m W   | Garage                            | 1987 | 19344    |
| O  | 461m W   | Garage                            | 1995 | 19344    |
| O  | 461m W   | Garage                            | 1996 | 19344    |
| O  | 462m W   | Garage                            | 1967 | 14839    |

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



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— Site Outline

Search buffers in metres (m)

● Waste exemptions

## 0

# O

27

### 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

2

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 27**

| ID | Location | Site                                     | Reference | Category                    | Sub-Category  | Description                                                 |
|----|----------|------------------------------------------|-----------|-----------------------------|---------------|-------------------------------------------------------------|
| A  | 243m S   | 53, CRESCENT ROAD,<br>MANCHESTER, M8 9JT | WEX149914 | Treating waste<br>exemption | Not on a farm | Sorting and de-naturing of<br>controlled drugs for disposal |

| ID | Location | Site                                                | Reference             | Category                    | Sub-Category                       | Description                                                 |
|----|----------|-----------------------------------------------------|-----------------------|-----------------------------|------------------------------------|-------------------------------------------------------------|
| A  | 243m S   | 53 Crescent Road<br>Manchester Manchester<br>M8 9JT | EPR/HE5445E<br>A/A001 | Treating waste<br>exemption | Non-<br>Agricultural<br>Waste Only | Sorting and de-naturing of<br>controlled drugs for disposal |

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



## 4 Current industrial land use



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

### 4.1 Recent industrial land uses

#### Records within 250m

3

Current potentially contaminative industrial sites.

Features are displayed on the Current industrial land use map on **page 30**

| ID | Location | Company                 | Address                | Activity            | Category                      |
|----|----------|-------------------------|------------------------|---------------------|-------------------------------|
| 1  | 110m NW  | Electricity Sub Station | Greater Manchester, M8 | Electrical Features | Infrastructure and Facilities |
| 2  | 126m SE  | Electricity Sub Station | Greater Manchester, M8 | Electrical Features | Infrastructure and Facilities |
| 3  | 236m SW  | Electricity Sub Station | Greater Manchester, M8 | Electrical Features | Infrastructure and Facilities |



*This data is sourced from Ordnance Survey.*

## 4.2 Current or recent petrol stations

**Records within 500m**

**1**

Open, closed, under development and obsolete petrol stations.

Features are displayed on the Current industrial land use map on **page 30**

| ID | Location | Company | Address                                                               | LPG            | Status   |
|----|----------|---------|-----------------------------------------------------------------------|----------------|----------|
| B  | 479m W   | ESSAR   | 2A, Middleton Road, Crumpsall, Manchester, Greater Manchester, M8 5DS | Not Applicable | Obsolete |

*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**

**0**

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



*This data is sourced from the Health and Safety Executive.*

#### 4.7 Regulated explosive sites

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

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

*This data is sourced from the Health and Safety Executive.*

#### 4.8 Hazardous substance storage/usage

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

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

*This data is sourced from Local Authority records.*

#### 4.9 Historical licensed industrial activities (IPC)

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

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

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

#### 4.10 Licensed industrial activities (Part A(1))

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

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

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

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

|                     |   |
|---------------------|---|
| Records within 500m | 6 |
|---------------------|---|

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 30**

| ID | Location | Address                                                                                 | Details                                                                                                           |                                                                                                                             |
|----|----------|-----------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------|
| 5  | 305m N   | Werner Dry Cleaners, 48 Crumpsall Lane, Crumpsall, Manchester, M8 5FB                   | Process: Dry Cleaning<br>Status: Current Permit<br>Permit Type: Part B                                            | Enforcement: No Enforcement Notified<br>Date of enforcement: No Enforcement Notified<br>Comment: No Enforcement Notified    |
| 6  | 322m W   | Embellish - Specialist Dry Cleaner, 76 Bury Old Road, Cheetham Hill, Manchester, M8 5BW | Process: Dry Cleaning<br>Status: Current Permit<br>Permit Type: Part B                                            | Enforcement: No Enforcement Notified<br>Date of enforcement: No Enforcement Notified<br>Comment: No Enforcement Notified    |
| A  | 372m SW  | Embellish Specialist Dry Cleaner, 7 Union Terrace, Bury Old Road, Salford, M7 4ZH       | Process: Dry Cleaning<br>Status: Historical Permit<br>Permit Type: Part B                                         | Enforcement: No Enforcements Notified<br>Date of enforcement: No Enforcements Notified<br>Comment: No Enforcements Notified |
| 7  | 433m S   | Rainbow Dry Cleaners, 6a Bury Old Road, Cheetham Hill, Manchester, M8 9JN               | Process: Dry Cleaning<br>Status: Current Permit<br>Permit Type: Part B                                            | Enforcement: No Enforcement Notified<br>Date of enforcement: No Enforcement Notified<br>Comment: No Enforcement Notified    |
| B  | 476m W   | Halfway House Garage, 2 Middleton Road, Crumpsall, M8 5DS                               | Process: Unloading of Petrol into Storage at Service Stations<br>Status: Current Permit<br>Permit Type: Part B    | Enforcement: No Enforcement Notified<br>Date of enforcement: No Enforcement Notified<br>Comment: No Enforcement Notified    |
| B  | 479m W   | Noor Service Station, 2 Middleton Road, Crumpsall, M8 5DS                               | Process: Unloading of Petrol into Storage at Service Stations<br>Status: Historical Permit<br>Permit Type: Part B | Enforcement: No Enforcement Notified<br>Date of enforcement: No Enforcement Notified<br>Comment: No Enforcement 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

5

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

Features are displayed on the Current industrial land use map on **page 30**

| ID | Location | Details                                                                                                                                                                                                                                                |                                                                                                               |
|----|----------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------|
| 4  | 247m E   | Incident Date: 15/02/2002<br>Incident Identification: 58503<br>Pollutant: Specific Waste Materials<br>Pollutant Description: Tyres                                                                                                                     | Water Impact: Category 4 (No Impact)<br>Land Impact: Category 3 (Minor)<br>Air Impact: Category 4 (No Impact) |
| A  | 389m SW  | Incident Date: 11/06/2001<br>Incident Identification: 8601<br>Pollutant: Inert Materials and Wastes:Specific Waste Materials:Specific Waste Materials<br>Pollutant Description: Construction and Demolition Materials and Wastes:Household Waste:Tyres | Water Impact: Category 4 (No Impact)<br>Land Impact: Category 3 (Minor)<br>Air Impact: Category 4 (No Impact) |
| A  | 389m SW  | Incident Date: 11/06/2001<br>Incident Identification: 8601<br>Pollutant: Inert Materials and Wastes<br>Pollutant Description: Construction and Demolition Materials and Wastes                                                                         | Water Impact: Category 4 (No Impact)<br>Land Impact: Category 3 (Minor)<br>Air Impact: Category 4 (No Impact) |
| A  | 389m SW  | Incident Date: 11/06/2001<br>Incident Identification: 8601<br>Pollutant: Specific Waste Materials<br>Pollutant Description: Tyres                                                                                                                      | Water Impact: Category 4 (No Impact)<br>Land Impact: Category 3 (Minor)<br>Air Impact: Category 4 (No Impact) |
| A  | 389m SW  | Incident Date: 11/06/2001<br>Incident Identification: 8601<br>Pollutant: Specific Waste Materials<br>Pollutant Description: Household Waste                                                                                                            | Water Impact: Category 4 (No Impact)<br>Land Impact: Category 3 (Minor)<br>Air Impact: Category 4 (No Impact) |

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

## 4.19 Pollution inventory substances

Records within 500m

0

The pollution inventory (substances) includes reporting on annual emissions of certain regulated substances to air, controlled waters and land. A reporting threshold for each substance is also included. Where emissions fall below the reporting threshold, no value will be given. The data is given for the most recent complete year available.

*This data is sourced from the Environment Agency and the Scottish Environment Protection Agency.*



## 4.20 Pollution inventory waste transfers

Records within 500m

0

The pollution inventory (waste transfers) includes reporting on annual transfers and recovery/disposal of controlled wastes from a site. A reporting threshold for each waste type is also included. Where releases fall below the reporting threshold, no value will be given. The data is given for the most recent complete year available.

*This data is sourced from the Environment Agency and the Scottish Environment Protection Agency.*

## 4.21 Pollution inventory radioactive waste

Records within 500m

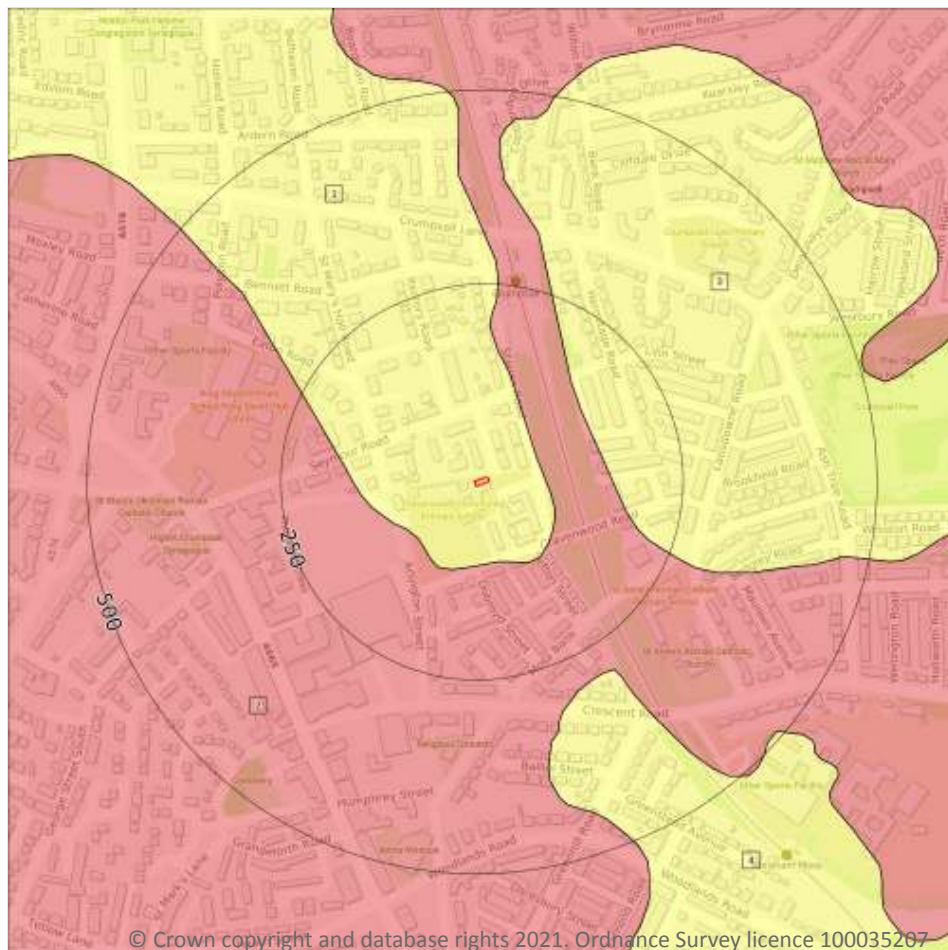
0

The pollution inventory (radioactive wastes) includes reporting on annual releases of radioactive substances from a site, including the means of release. Where releases fall below the reporting threshold, no value will be given. The data is given for the most recent complete year available.

*This data is sourced from the Environment Agency and the Scottish Environment Protection Agency.*



## 5 Hydrogeology - Superficial aquifer



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

### 5.1 Superficial aquifer

Records within 500m

4

Aquifer status of groundwater held within superficial geology.

Features are displayed on the Hydrogeology map on **page 37**

| ID | Location | Designation                | Description                                                                                                                                                                                                                                             |
|----|----------|----------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 1  | On site  | Secondary Undifferentiated | Assigned where it is not possible to attribute either category A or B to a rock type. In general these layers have previously been designated as both minor and non-aquifer in different locations due to the variable characteristics of the rock type |
| 2  | 68m 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                  |

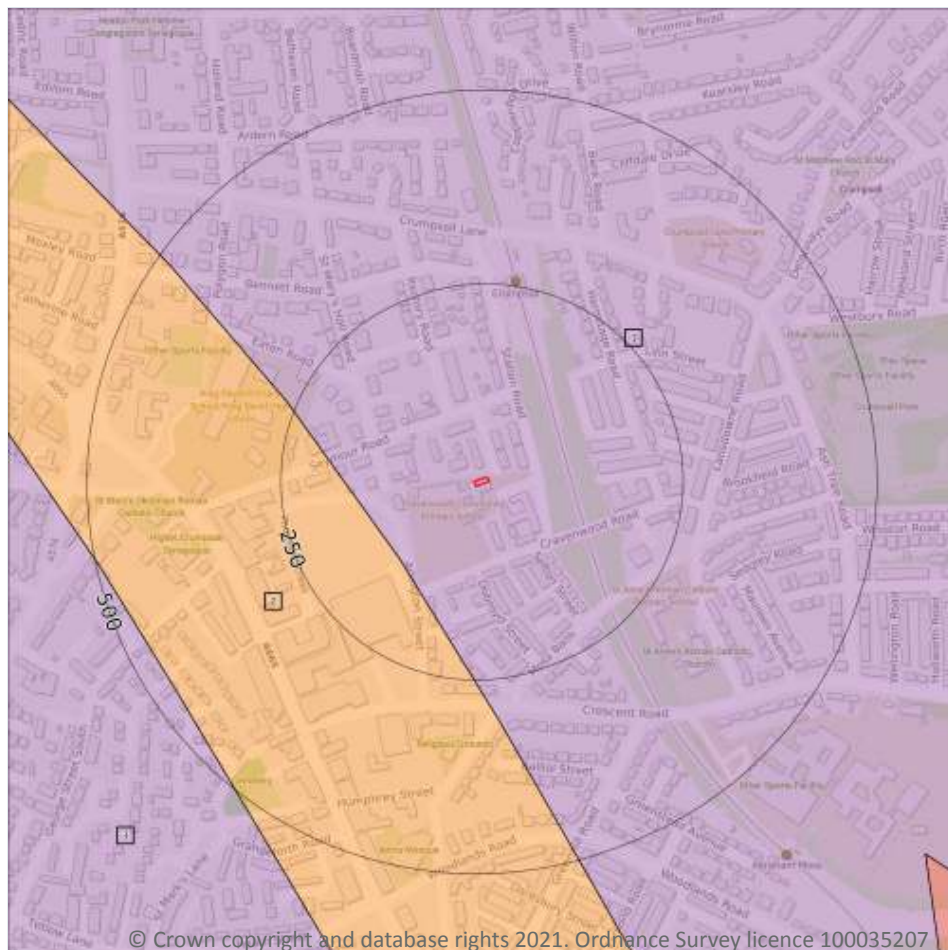


| ID | Location | Designation                   | Description                                                                                                                                                                                                                                             |
|----|----------|-------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 3  | 145m NE  | Secondary<br>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 |
| 4  | 288m SE  | Secondary<br>Undifferentiated | Assigned where it is not possible to attribute either category A or B to a rock type. In general these layers have previously been designated as both minor and non-aquifer in different locations due to the variable characteristics of the rock type |

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



## Bedrock aquifer



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

### 5.2 Bedrock aquifer

Records within 500m

3

Aquifer status of groundwater held within bedrock geology.

Features are displayed on the Bedrock aquifer map on **page 39**

| ID | Location | Designation | Description                                                                                                                                                                                                                                             |
|----|----------|-------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 1  | On site  | Principal   | <b>Geology of high intergranular and/or fracture permeability, usually providing a high level of water storage and may support water supply/river base flow on a strategic scale. Generally principal aquifers were previously major aquifers</b>       |
| 2  | 135m SW  | Secondary B | Predominantly lower permeability layers which may store/yield limited amounts of groundwater due to localised features such as fissures, thin permeable horizons and weathering. These are generally the water-bearing parts of the former non-aquifers |

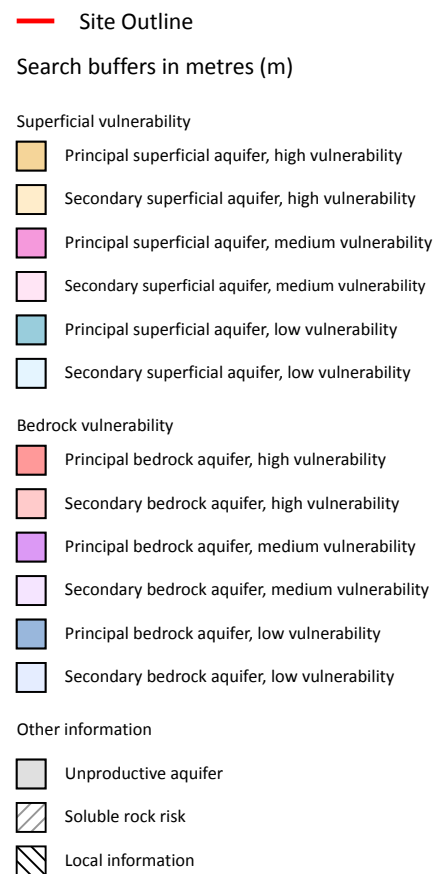
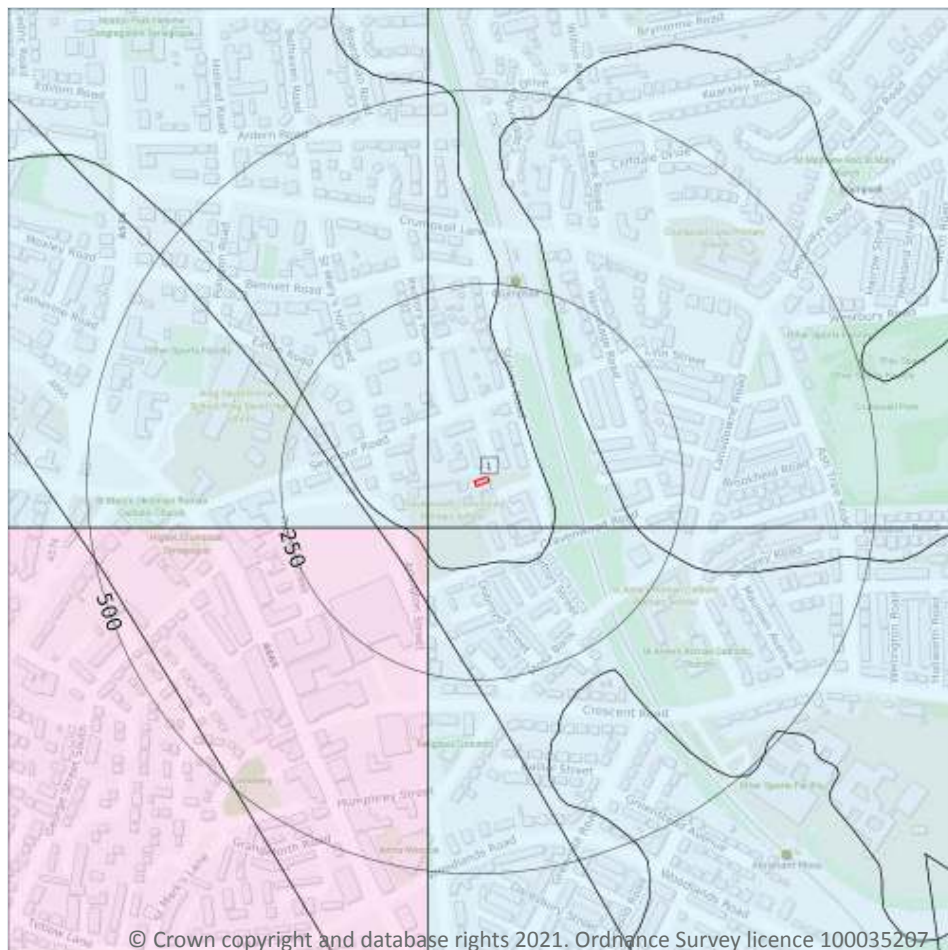


| ID | Location | Designation | Description                                                                                                                                                                                                                                |
|----|----------|-------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 3  | 468m SW  | Principal   | Geology of high intergranular and/or fracture permeability, usually providing a high level of water storage and may support water supply/river base flow on a strategic scale. Generally principal aquifers were previously major aquifers |

*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 41**

| ID | Location | Summary                                                                                                                                                                                       | Soil / surface                                                                                            | Superficial geology                                                                                                                                       | Bedrock geology                                                                                                   |
|----|----------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------|
| 1  | On site  | <b>Summary Classification:</b><br>Secondary superficial aquifer<br>- Low Vulnerability<br><b>Combined classification:</b><br>Productive Bedrock Aquifer,<br>Productive Superficial<br>Aquifer | <b>Leaching class:</b> Low<br><b>Infiltration value:</b><br><40%<br><b>Dilution value:</b><br>>550mm/year | <b>Vulnerability:</b> Low<br><b>Aquifer type:</b> Secondary<br><b>Thickness:</b> >10m<br><b>Patchiness value:</b> >90%<br><b>Recharge potential:</b> High | <b>Vulnerability:</b> Low<br><b>Aquifer type:</b> Principal<br><b>Flow mechanism:</b> Well<br>connected fractures |

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

## 5.4 Groundwater vulnerability- soluble rock risk

### Records on site

0

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

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

## 5.5 Groundwater vulnerability- local information

### Records on site

0

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

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

## Abstractions and Source Protection Zones



- 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

8

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 43**

| ID | Location | Details                                                                                                                                                                                                                                                                                                       |                                                                                                                                                                                                                                                    |
|----|----------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| -  | 1068m NE | Status: Historical<br>Licence No: 2569005044<br>Details: General Cooling (Existing Licences Only) (Low Loss)<br>Direct Source: Ground Water - North West Region<br>Point: 2 BOREHOLES AT BLACKLEY, MANCHESTER 121<br>Data Type: Point<br>Name: BELDEN (UK) LTD<br>Easting: 384610<br>Northing: 402990         | Annual Volume (m <sup>3</sup> ): -<br>Max Daily Volume (m <sup>3</sup> ): -<br>Original Application No: -<br>Original Start Date: 22/01/1966<br>Expiry Date: -<br>Issue No: 102<br>Version Start Date: 03/04/2000<br>Version End Date: -           |
| -  | 1068m NE | Status: Historical<br>Licence No: 2569005044<br>Details: General Cooling (Existing Licences Only) (Low Loss)<br>Direct Source: Ground Water - North West Region<br>Point: "2 BOREHOLES AT BLACKLEY, MANCHESTER \$121"<br>Data Type: Point<br>Name: BELDEN (UK) LTD<br>Easting: 384610<br>Northing: 402990     | Annual Volume (m <sup>3</sup> ): -<br>Max Daily Volume (m <sup>3</sup> ): -<br>Original Application No: -<br>Original Start Date: 22/01/1966<br>Expiry Date: -<br>Issue No: 103<br>Version Start Date: 16/11/2001<br>Version End Date: -           |
| -  | 1068m NE | Status: Historical<br>Licence No: 2569005044<br>Details: General Cooling (Existing Licences Only) (Low Loss)<br>Direct Source: Ground Water - North West Region<br>Point: 2 BOREHOLES AT BLACKLEY, MANCHESTER \$121<br>Data Type: Point<br>Name: BELDEN (UK) LTD<br>Easting: 384610<br>Northing: 402990       | Annual Volume (m <sup>3</sup> ): -<br>Max Daily Volume (m <sup>3</sup> ): -<br>Original Application No: -<br>Original Start Date: 22/01/1966<br>Expiry Date: -<br>Issue No: 103<br>Version Start Date: 16/11/2001<br>Version End Date: -           |
| -  | 1068m NE | Status: Active<br>Licence No: 2569005044<br>Details: General Cooling (Existing Licences Only) (Low Loss)<br>Direct Source: Ground Water - North West Region<br>Point: BOREHOLES X 2 AT BLACKLEY MANCHESTER<br>Data Type: Point<br>Name: British Cables Company Limited<br>Easting: 384610<br>Northing: 402990 | Annual Volume (m <sup>3</sup> ): 477,271<br>Max Daily Volume (m <sup>3</sup> ): 1,363<br>Original Application No: -<br>Original Start Date: 22/01/1966<br>Expiry Date: -<br>Issue No: 106<br>Version Start Date: 11/10/2018<br>Version End Date: - |

| ID | Location | Details                                                                                                                                                                                                                                                                                                      |                                                                                                                                                                                                                                                    |
|----|----------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| -  | 1201m NE | Status: Historical<br>Licence No: 2569005044<br>Details: General Cooling (Existing Licences Only) (Low Loss)<br>Direct Source: Ground Water - North West Region<br>Point: "2 BOREHOLES AT BLACKLEY, MANCHESTER"<br>Data Type: Point<br>Name: BELDEN (UK) LTD<br>Easting: 384890<br>Northing: 402950          | Annual Volume (m <sup>3</sup> ): -<br>Max Daily Volume (m <sup>3</sup> ): -<br>Original Application No: -<br>Original Start Date: 22/01/1966<br>Expiry Date: -<br>Issue No: 103<br>Version Start Date: 16/11/2001<br>Version End Date: -           |
| -  | 1201m NE | Status: Active<br>Licence No: 2569005044<br>Details: General Cooling (Existing Licences Only) (Low Loss)<br>Direct Source: Ground Water - North West Region<br>Point: 2 BOREHOLES AT BLACKLEY, MANCHESTER<br>Data Type: Point<br>Name: British Cables Company Limited<br>Easting: 384890<br>Northing: 402950 | Annual Volume (m <sup>3</sup> ): 477,271<br>Max Daily Volume (m <sup>3</sup> ): 1,363<br>Original Application No: -<br>Original Start Date: 22/01/1966<br>Expiry Date: -<br>Issue No: 106<br>Version Start Date: 11/10/2018<br>Version End Date: - |
| -  | 1244m NE | Status: Historical<br>Licence No: 2569005012<br>Details: General Cooling (Existing Licences Only) (Low Loss)<br>Direct Source: Ground Water - North West Region<br>Point: "BOREHOLE AT BLACKLEY, MANCHESTER"<br>Data Type: Point<br>Name: AVECIA LTD<br>Easting: 385000<br>Northing: 402900                  | Annual Volume (m <sup>3</sup> ): -<br>Max Daily Volume (m <sup>3</sup> ): -<br>Original Application No: -<br>Original Start Date: 23/05/1994<br>Expiry Date: -<br>Issue No: 101<br>Version Start Date: 01/07/1999<br>Version End Date: -           |
| -  | 1244m NE | Status: Historical<br>Licence No: 2569005012<br>Details: General Cooling (Existing Licences Only) (Low Loss)<br>Direct Source: Ground Water - North West Region<br>Point: BOREHOLE AT BLACKLEY, MANCHESTER<br>Data Type: Point<br>Name: AVECIA LTD<br>Easting: 385000<br>Northing: 402900                    | Annual Volume (m <sup>3</sup> ): -<br>Max Daily Volume (m <sup>3</sup> ): -<br>Original Application No: -<br>Original Start Date: 23/05/1994<br>Expiry Date: -<br>Issue No: 101<br>Version Start Date: 01/07/1999<br>Version End Date: -           |

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



## 5.7 Surface water abstractions

**Records within 2000m****0**

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

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

## 5.8 Potable abstractions

**Records within 2000m****0**

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

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

## 5.9 Source Protection Zones

**Records within 500m****0**

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

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

## 5.10 Source Protection Zones (confined aquifer)

**Records within 500m****0**

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

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



## 6 Hydrology



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

### 6.1 Water Network (OS MasterMap)

Records within 250m

1

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

Features are displayed on the Hydrology map on **page 47**

| ID | Location | Type of water feature                               | Ground level      | Permanence                                                      | Name |
|----|----------|-----------------------------------------------------|-------------------|-----------------------------------------------------------------|------|
| A  | 83m E    | Inland river not influenced by normal tidal action. | On ground surface | Watercourse contains water year round (in normal circumstances) | -    |

*This data is sourced from the Ordnance Survey.*



## 6.2 Surface water features

### Records within 250m

**1**

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

Features are displayed on the Hydrology map on **page 47**

*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 47**

| ID | Location | Type               | Water body catchment  | Water body ID  | Operational catchment | Management catchment |
|----|----------|--------------------|-----------------------|----------------|-----------------------|----------------------|
| 2  | On site  | River WB catchment | Irk (Wince to Irwell) | GB112069061131 | Roch Irk Medlock      | Irwell               |

*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 47**

| ID | Location | Type  | Name                  | Water body ID                  | Overall rating | Chemical rating | Ecological rating | Year |
|----|----------|-------|-----------------------|--------------------------------|----------------|-----------------|-------------------|------|
| -  | 907m N   | River | Irk (Wince to Irwell) | <a href="#">GB112069061131</a> | Moderate       | Good            | Moderate          | 2016 |



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

## 6.5 WFD Groundwater bodies

### Records on site

**1**

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

Features are displayed on the Hydrology map on **page 47**

| ID | Location | Name                                                           | Water body ID                         | Overall rating | Chemical rating | Quantitative | Year |
|----|----------|----------------------------------------------------------------|---------------------------------------|----------------|-----------------|--------------|------|
| 1  | On site  | Manchester and East Cheshire Permo-Triassic Sandstone Aquifers | <a href="#"><u>GB41201G101100</u></a> | Poor           | Poor            | Poor         | 2015 |

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



## 7 River and coastal flooding

### 7.1 Risk of Flooding from Rivers and Sea (RoFRaS)

Records within 50m

0

The chance of flooding from rivers and/or the sea in any given year, based on cells of 50m. Each cell is allocated one of four flood risk categories, taking into account flood defences and their condition; Very low (less than 1 in 1000 chance in any given year), Low (less than 1 in 100 but greater than or equal to 1 in 1000 chance), Medium (less than 1 in 30 but greater than or equal to 1 in 100 chance) or High (greater than or equal to 1 in 30 chance).

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

### 7.2 Historical Flood Events

Records within 250m

0

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

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

### 7.3 Flood Defences

Records within 250m

0

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

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

### 7.4 Areas Benefiting from Flood Defences

Records within 250m

0

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

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



## 7.5 Flood Storage Areas

Records within 250m

0

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

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



## River and coastal flooding - Flood Zones

### 7.6 Flood Zone 2

Records within 50m

0

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

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

### 7.7 Flood Zone 3

Records within 50m

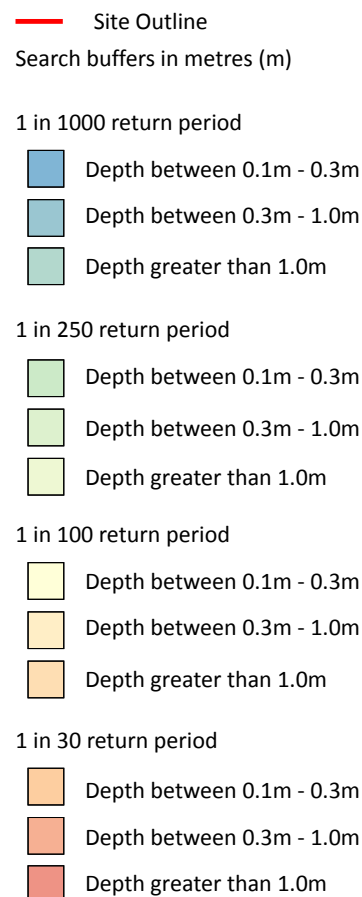
0

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

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



## 8 Surface water flooding



### 8.1 Surface water flooding

**Highest risk on site**

**Negligible**

**Highest risk within 50m**

**1 in 30 year, 0.1m - 0.3m**

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

Features are displayed on the Surface water flooding map on **page 53**

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.

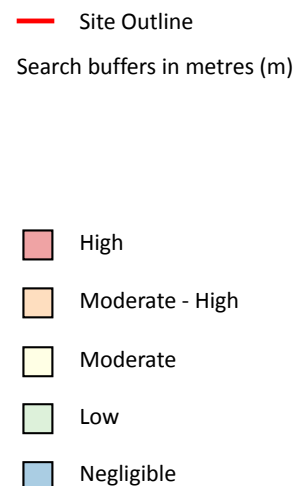
The table below shows the maximum flood depths for a range of return periods for the site.

| 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 Ambiantal Risk Analytics.*



## 9 Groundwater flooding



### 9.1 Groundwater flooding

Highest risk on site

Low

Highest risk within 50m

Low

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

Features are displayed on the Groundwater flooding map on **page 55**

*This data is sourced from Ambiantal Risk Analytics.*

## 10 Environmental designations



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- Site Outline
- Search buffers in metres (m)
- + Local Nature Reserves (LNR)
- ▨ Designated Ancient Woodland
- ▨ 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

5

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

Features are displayed on the Environmental designations map on **page 56**

| ID | Location | Name                    | Data source     |
|----|----------|-------------------------|-----------------|
| 1  | 1082m N  | Blackley Forest         | Natural England |
| -  | 1538m W  | The Cliff / Kersal Dale | Natural England |
| -  | 1564m SW | The Cliff / Kersal Dale | Natural England |
| -  | 1910m E  | Boggart Hole Clough     | Natural England |
| -  | 1998m N  | Blackley Forest         | Natural England |

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

## 10.7 Designated Ancient Woodland

Records within 2000m

1

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

Features are displayed on the Environmental designations map on **page 56**

| ID | Location | Name                | Woodland Type                   |
|----|----------|---------------------|---------------------------------|
| -  | 1936m E  | Boggart Hole Clough | Ancient & Semi-Natural Woodland |

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

## 10.8 Biosphere Reserves

Records within 2000m

0

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



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

## 10.9 Forest Parks

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

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

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

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

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

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

Features are displayed on the Environmental designations map on **page 56**

| ID | Location | Name                              | Local Authority name |
|----|----------|-----------------------------------|----------------------|
| -  | 1614m N  | Merseyside and Greater Manchester | Manchester           |

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

## 10.12 Proposed Ramsar sites

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

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  | River Irk (Moston Brook to River Irwell) NVZ | Surface Water | S638   | Existing |

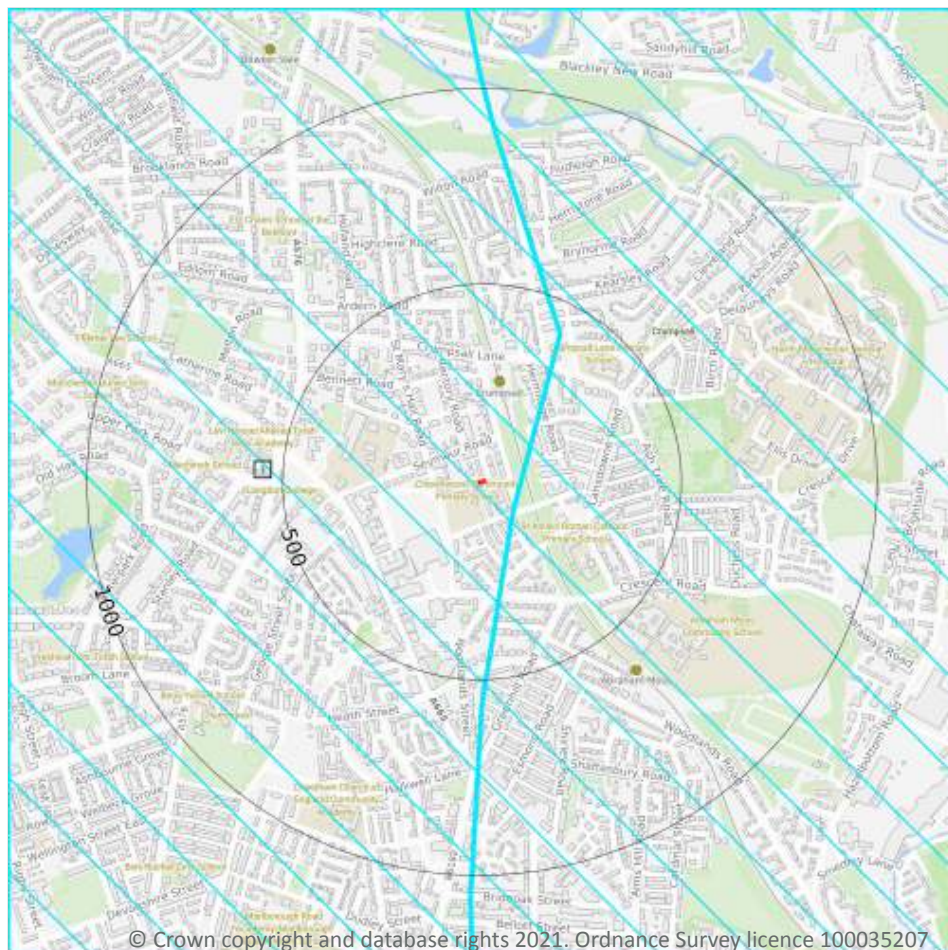


| Location | Name                                                   | Type          | NVZ ID | Status   |
|----------|--------------------------------------------------------|---------------|--------|----------|
| 12m E    | River Irk (Moston Brook to River Irwell) NVZ           | Surface Water | S638   | Existing |
| 125m W   | Irwell / Man. Ship Canal (Kearsley to Irlam Locks) NVZ | Surface Water | S643   | Existing |
| 704m S   | Irwell / Man. Ship Canal (Kearsley to Irlam Locks) NVZ | Surface Water | S643   | 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 62**

| ID | Location | Type of developments requiring consultation                                                                                                                                                                                                                                                                                                                                                                |
|----|----------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 1  | On site  | <b>Air pollution - Livestock &amp; poultry units with floorspace &gt; 500m<sup>2</sup>, slurry lagoons &gt; 4000m<sup>2</sup>.</b><br><b>Combustion - General combustion processes &gt;50MW energy input. Incl: energy from waste incineration, other incineration, landfill gas generation plant, pyrolysis/gasification, anaerobic digestion, sewage treatment works, other incineration/ combustion</b> |

*This data is sourced from Natural England.*

## 10.18 SSSI Units

**Records within 2000m**

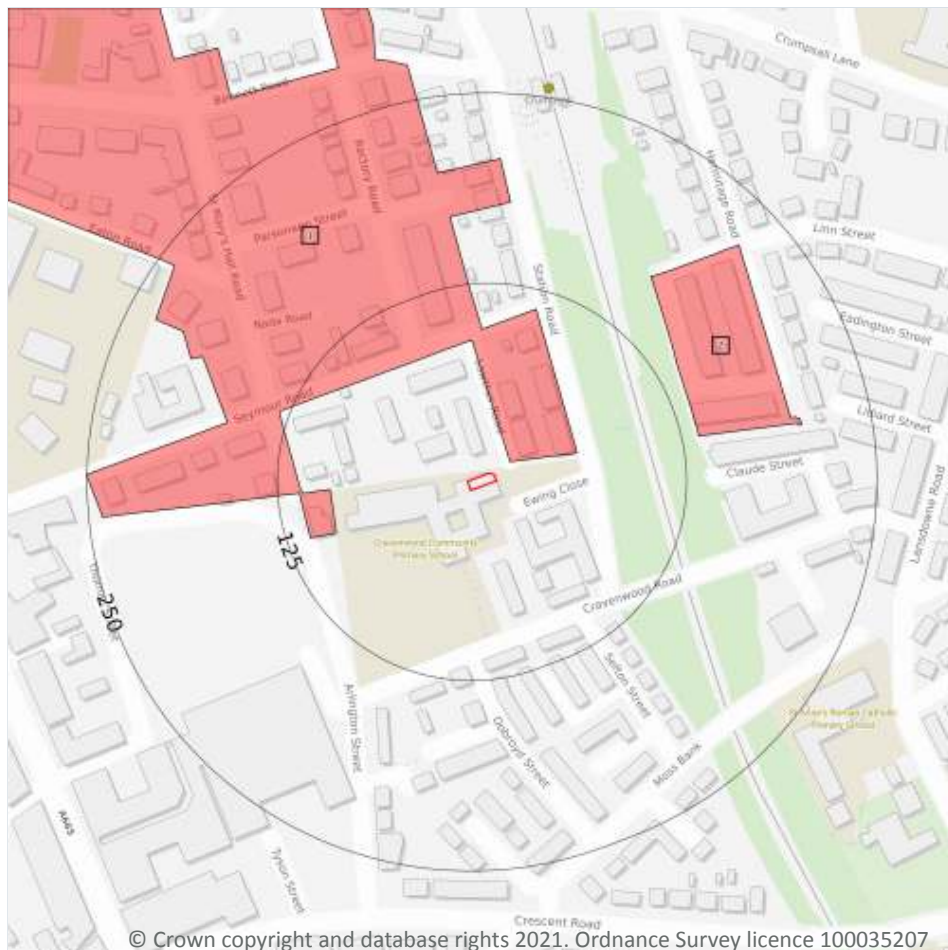
**0**

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

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



## 11 Visual and cultural designations



- 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****0**

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

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

## 11.5 Conservation Areas

**Records within 250m****2**

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 64**

| ID | Location | Name                      | District   | Date of designation |
|----|----------|---------------------------|------------|---------------------|
| 1  | 13m NE   | Crumpsall Lane, Crumpsall | Manchester | 21/01/2004          |
| 2  | 136m E   | Hermitage Road, Crumpsall | Manchester | 21/01/2004          |

*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 67**

| 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



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

### 13.1 Priority Habitat Inventory

Records within 250m

2

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

Features are displayed on the Habitat designations map on **page 69**

| ID | Location | Main Habitat       | Other habitats                  |
|----|----------|--------------------|---------------------------------|
| 1  | 67m E    | Deciduous woodland | Main habitat: DWOOD (INV > 50%) |
| 2  | 108m E   | Deciduous woodland | Main habitat: DWOOD (INV > 50%) |

*This data is sourced from Natural England.*



## 13.2 Habitat Networks

Records within 250m

0

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

*This data is sourced from Natural England.*

## 13.3 Open Mosaic Habitat

Records within 250m

0

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

*This data is sourced from Natural England.*

## 13.4 Limestone Pavement Orders

Records within 250m

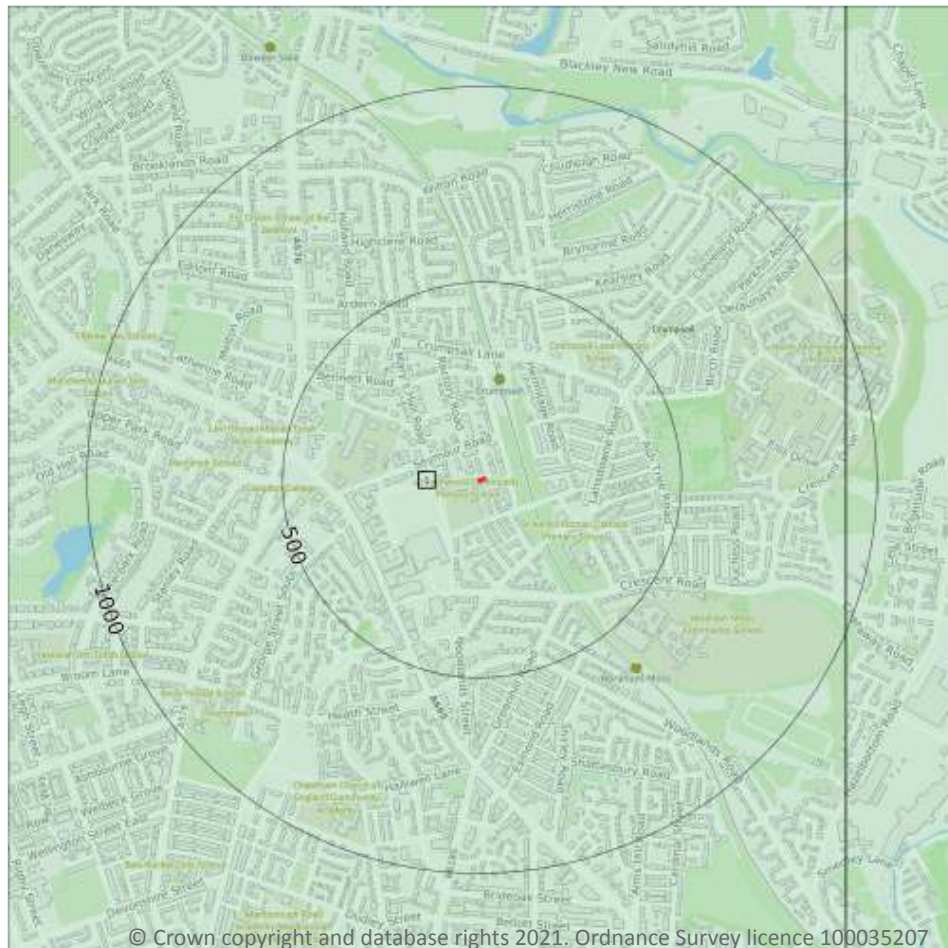
0

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

*This data is sourced from Natural England.*



## 14 Geology 1:10,000 scale - Availability



— 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.

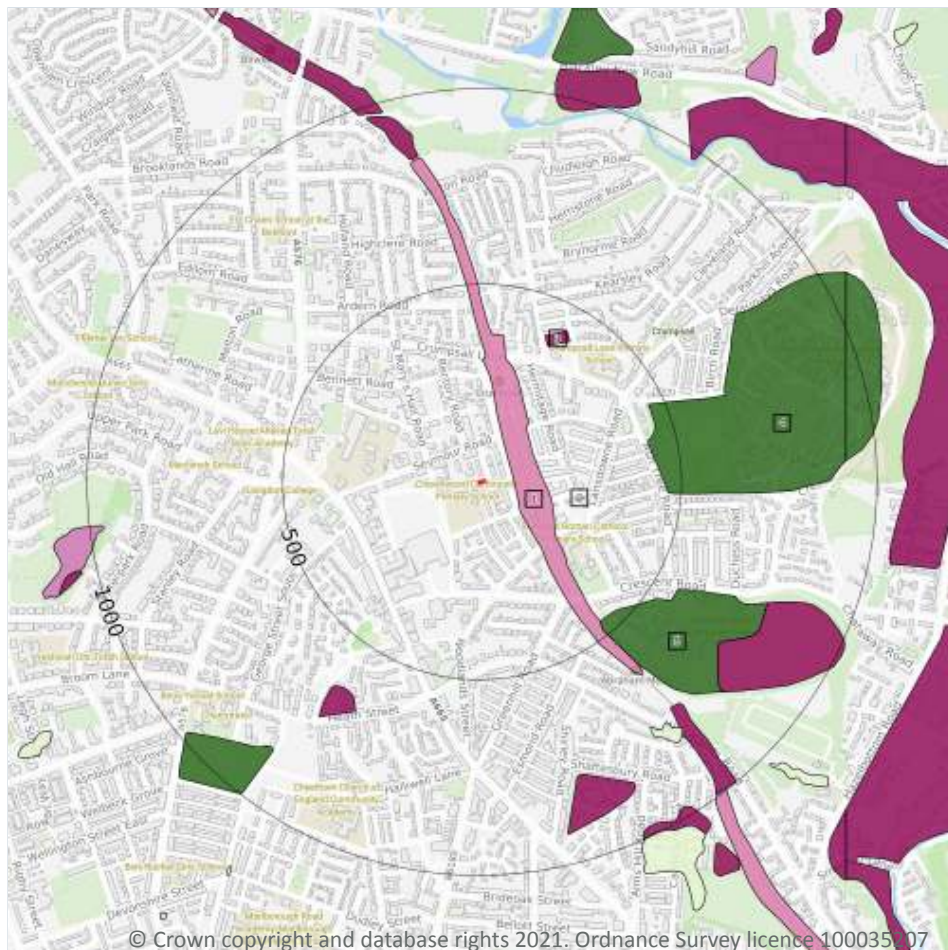
Features are displayed on the Geology 1:10,000 scale - Availability map on **page 71**

| ID | Location | Artificial | Superficial | Bedrock | Mass movement | Sheet No. |
|----|----------|------------|-------------|---------|---------------|-----------|
| 1  | On site  | Full       | Full        | Full    | Full          | SD80SW    |

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



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



— Site Outline  
Search buffers in metres (m)

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

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

Records within 500m

5

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

Features are displayed on the Geology 1:10,000 scale - Artificial and made ground map on **page 72**

| ID | Location | LEX Code   | Description                   | Rock description   |
|----|----------|------------|-------------------------------|--------------------|
| 1  | 70m E    | WGR-VOID   | Worked Ground (Undivided)     | Void               |
| 2  | 236m E   | WMGR-ARTDP | Infilled Ground               | Artificial Deposit |
| 3  | 379m NE  | MGR-ARTDP  | Made Ground (Undivided)       | Artificial Deposit |
| 4  | 427m E   | LSGR-ARTDP | Landscaped Ground (Undivided) | Artificial Deposit |

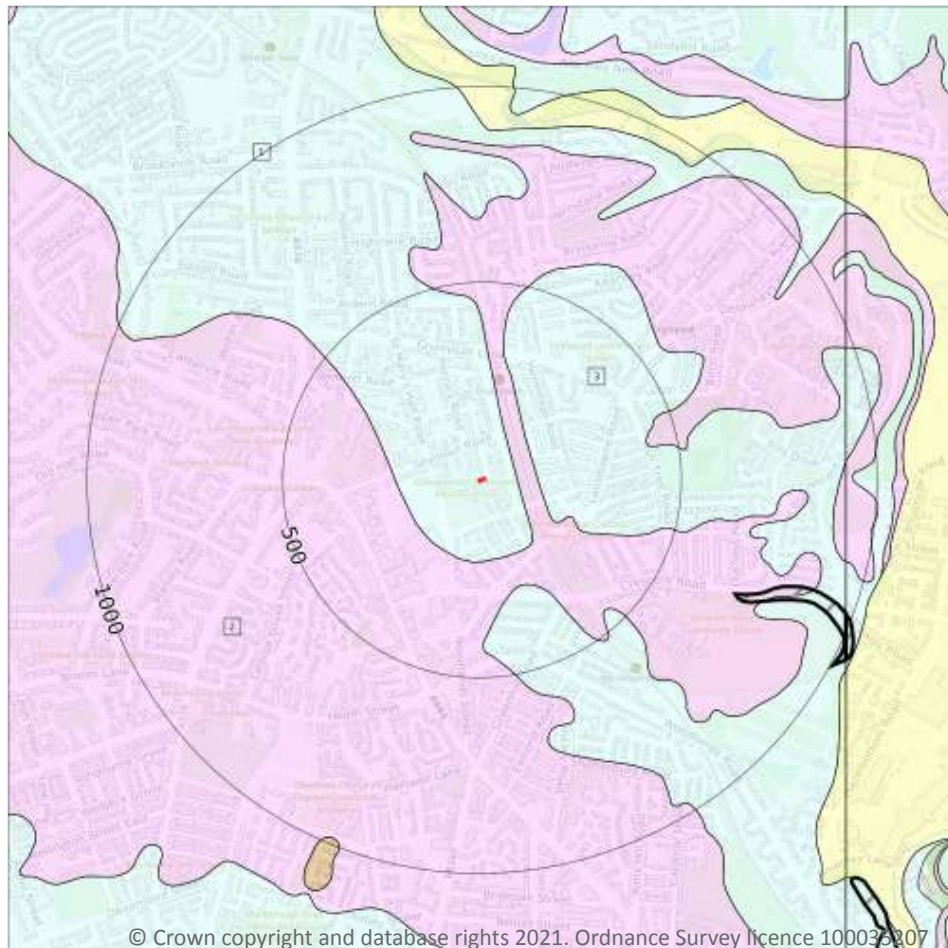


| ID | Location | LEX Code   | Description                   | Rock description   |
|----|----------|------------|-------------------------------|--------------------|
| 5  | 462m SE  | LSGR-ARTDP | Landscaped Ground (Undivided) | Artificial Deposit |

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



## Geology 1:10,000 scale - Superficial



**Site Outline**

Search buffers in metres (m)

**Landslip (10k)**

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

### 14.3 Superficial geology (10k)

#### Records within 500m

3

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

Features are displayed on the Geology 1:10,000 scale - Superficial map on **page 74**

| ID | Location | LEX Code   | Description                                               | Rock description |
|----|----------|------------|-----------------------------------------------------------|------------------|
| 1  | On site  | TILLD-DMTN | Till, Devensian - Diamicton                               | Diamicton        |
| 2  | 78m E    | GFSDD-XSV  | Glaciofluvial Sheet Deposits, Devensian - Sand And Gravel | Sand And Gravel  |
| 3  | 128m E   | TILLD-DMTN | Till, Devensian - Diamicton                               | Diamicton        |

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

## 14.4 Landslip (10k)

**Records within 500m**

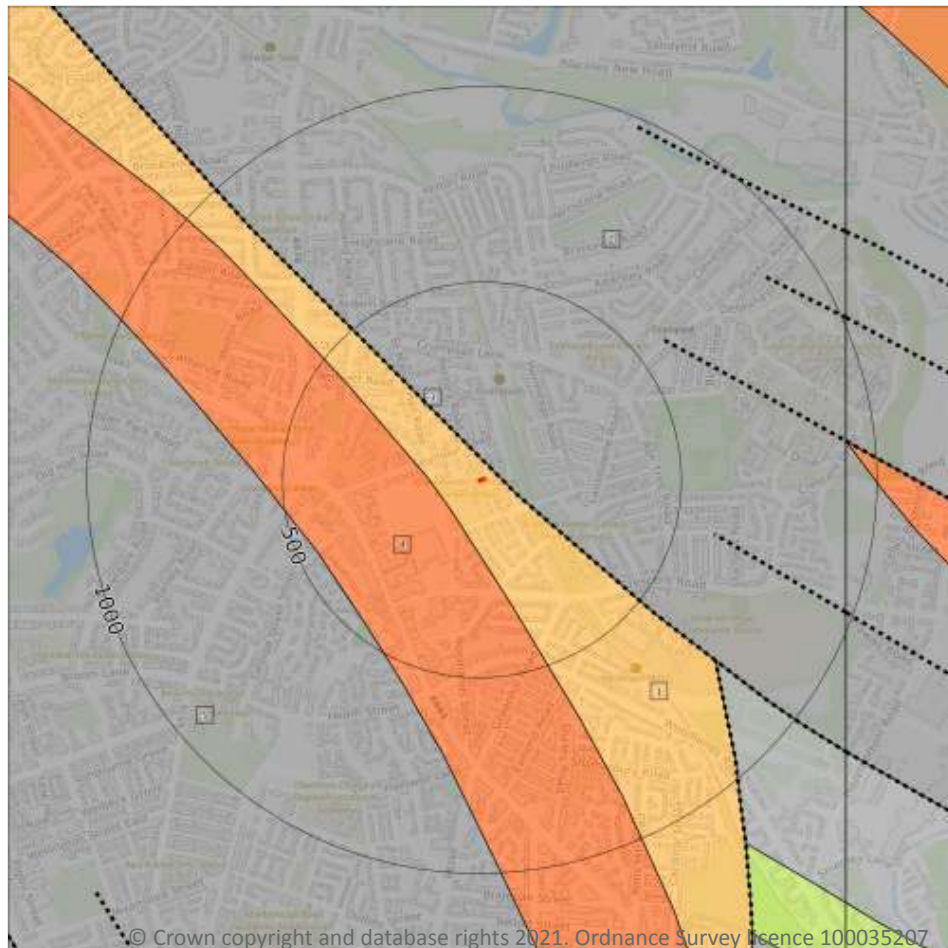
**0**

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

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



## Geology 1:10,000 scale - Bedrock



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

### 14.5 Bedrock geology (10k)

Records within 500m

4

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

Features are displayed on the Geology 1:10,000 scale - Bedrock map on **page 76**

| ID | Location | LEX Code | Description                                | Rock age                           |
|----|----------|----------|--------------------------------------------|------------------------------------|
| 1  | On site  | CS-SDST  | Collyhurst Sandstone Formation - Sandstone | Cisuralian Epoch                   |
| 2  | 28m NE   | CPB-SDST | Chester Pebble Beds Formation - Sandstone  | Early Triassic Epoch               |
| 4  | 100m SW  | MM-MDST  | Manchester Marls Formation - Mudstone      | Late Permian Epoch [Obsolete name] |

| ID | Location | LEX Code | Description                               | Rock age             |
|----|----------|----------|-------------------------------------------|----------------------|
| 5  | 443m SW  | CPB-SDST | Chester Pebble Beds Formation - Sandstone | Early Triassic Epoch |

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

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

### Records within 500m

**1**

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

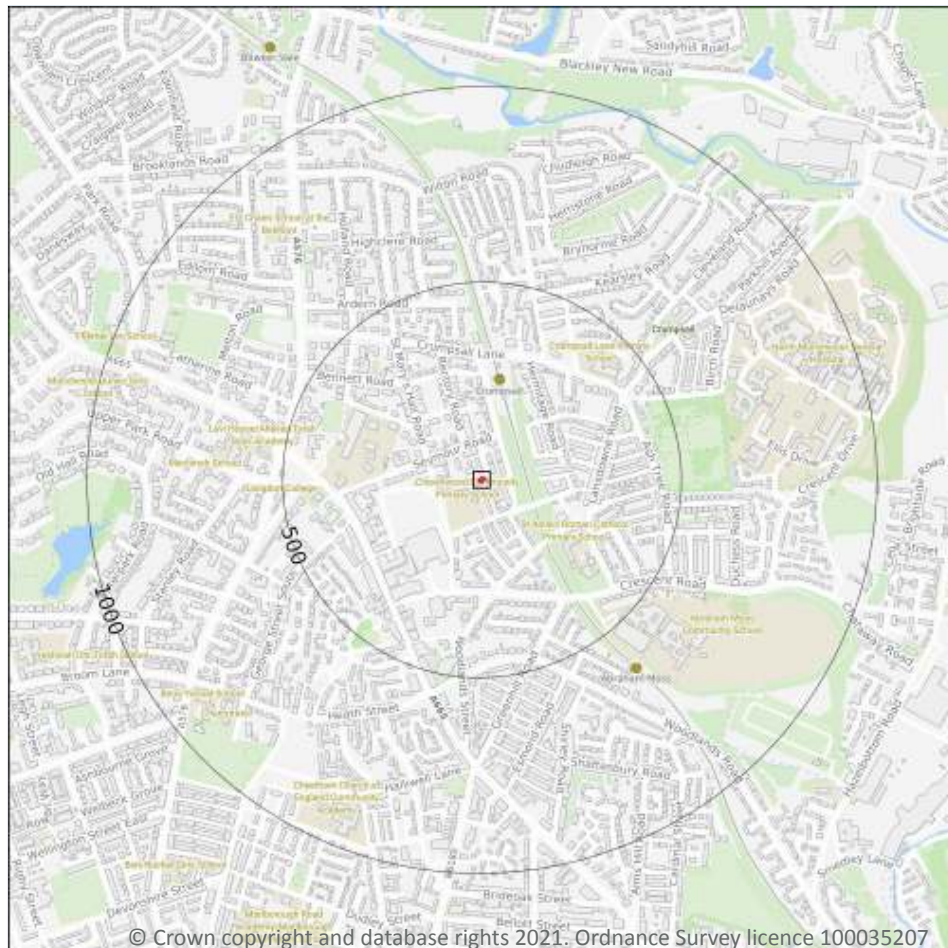
Features are displayed on the Geology 1:10,000 scale - Bedrock map on **page 76**

| ID | Location | Category | Description                                          |
|----|----------|----------|------------------------------------------------------|
| 3  | 28m NE   | FAULT    | Normal fault, inferred; crossmarks on downthrow side |

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



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



— Site Outline

Search buffers in metres (m)

□ Geological map tile

### 15.1 50k Availability

#### Records within 500m

1

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

Features are displayed on the Geology 1:50,000 scale - Availability map on **page 78**

| ID | Location | Artificial  | Superficial | Bedrock | Mass movement | Sheet No.           |
|----|----------|-------------|-------------|---------|---------------|---------------------|
| 1  | On site  | No coverage | Full        | Full    | No coverage   | EW085_manchester_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

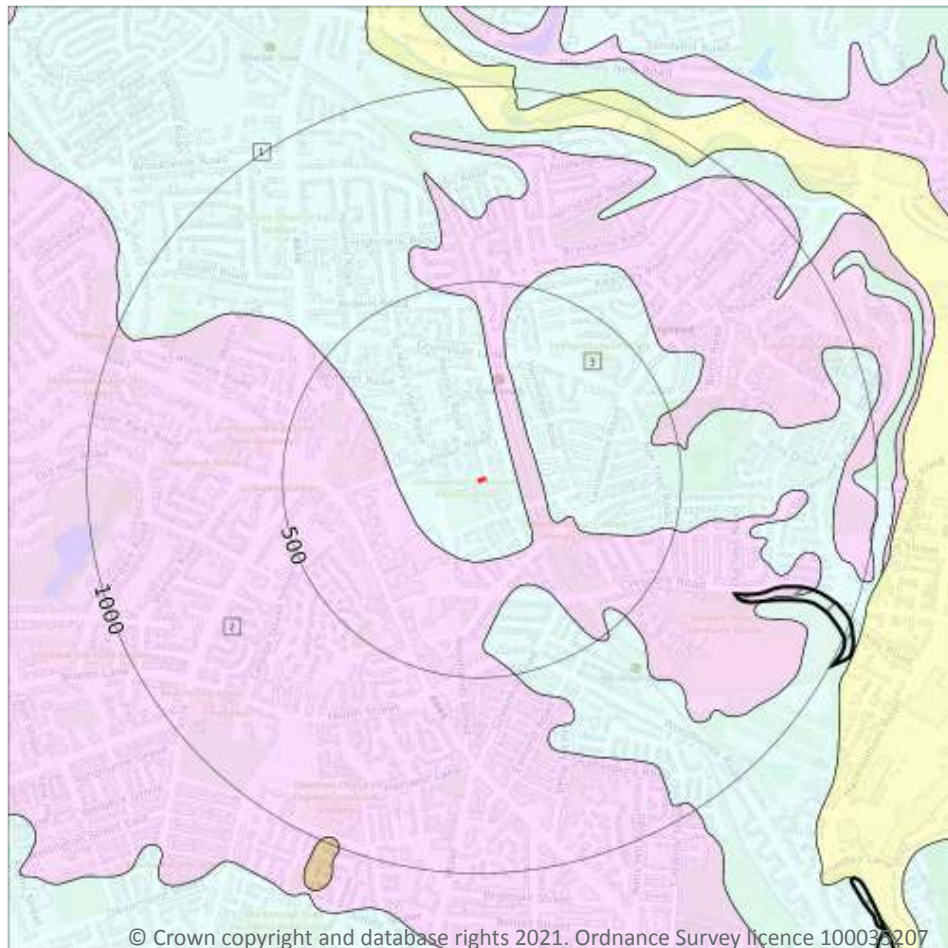
0

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 80**

| ID | Location | LEX Code   | Description                             | Rock description |
|----|----------|------------|-----------------------------------------|------------------|
| 1  | On site  | TILLD-DMTN | TILL, DEVENSIAN                         | DIAMICTON        |
| 2  | 78m E    | GFSDD-XSV  | GLACIOFLUVIAL SHEET DEPOSITS, DEVENSIAN | SAND AND GRAVEL  |
| 3  | 136m E   | TILLD-DMTN | TILL, DEVENSIAN                         | DIAMICTON        |

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

## 15.5 Superficial permeability (50k)

**Records within 50m**

**1**

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

| Location | Flow type | Maximum permeability | Minimum permeability |
|----------|-----------|----------------------|----------------------|
| On site  | Mixed     | High                 | Low                  |

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

## 15.6 Landslip (50k)

**Records within 500m**

**0**

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

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

## 15.7 Landslip permeability (50k)

**Records within 50m**

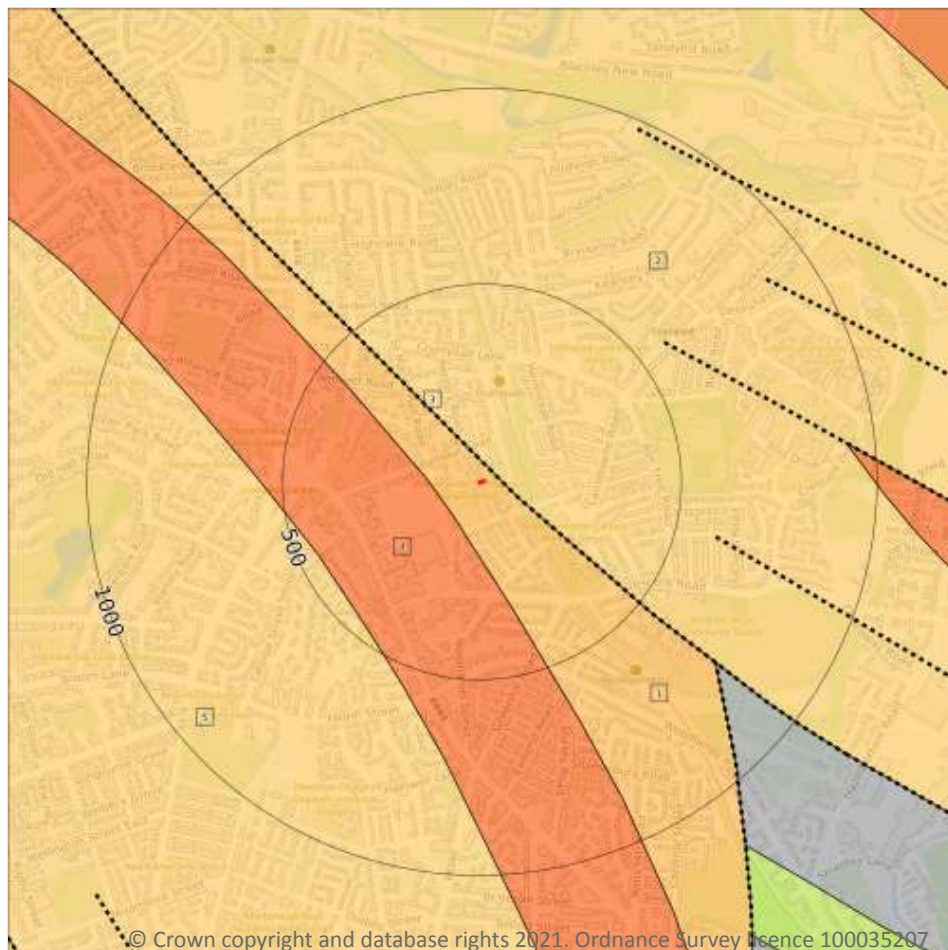
**0**

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

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



## Geology 1:50,000 scale - Bedrock



**— Site Outline**

Search buffers in metres (m)

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

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

### 15.8 Bedrock geology (50k)

#### Records within 500m

4

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

Features are displayed on the Geology 1:50,000 scale - Bedrock map on **page 82**

| ID | Location | LEX Code  | Description                                | Rock age  |
|----|----------|-----------|--------------------------------------------|-----------|
| 1  | On site  | CS-SDST   | COLLYHURST SANDSTONE FORMATION - SANDSTONE | -         |
| 2  | 28m NE   | CHES-SDST | CHESTER FORMATION - SANDSTONE              | OLENEKIAN |
| 4  | 101m SW  | MM-MDST   | MANCHESTER MARLS FORMATION - MUDSTONE      | -         |
| 5  | 443m SW  | CHES-SDST | CHESTER FORMATION - SANDSTONE              | OLENEKIAN |

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

## 15.9 Bedrock permeability (50k)

### Records within 50m

2

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

| Location       | Flow type            | Maximum permeability | Minimum permeability |
|----------------|----------------------|----------------------|----------------------|
| <b>On site</b> | <b>Intergranular</b> | <b>High</b>          | <b>High</b>          |
| 28m N          | Mixed                | High                 | Moderate             |

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

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

### Records within 500m

1

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.

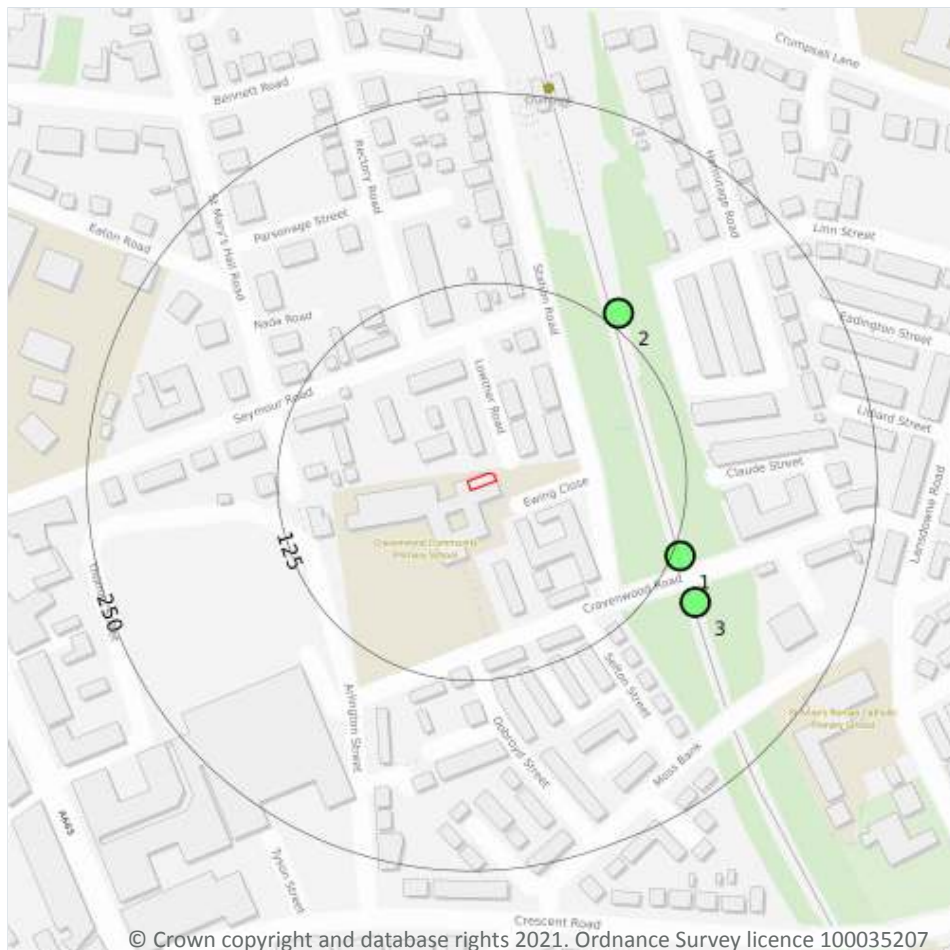
Features are displayed on the Geology 1:50,000 scale - Bedrock map on **page 82**

| ID | Location | Category | Description     |
|----|----------|----------|-----------------|
| 3  | 28m NE   | FAULT    | Fault, inferred |

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



## 16 Boreholes



— Site Outline  
Search buffers in metres (m)

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

### 16.1 BGS Boreholes

#### Records within 250m

3

The Single Onshore Boreholes Index (SOBI); an index of over one million records of boreholes, shafts and wells from all forms of drilling and site investigation work held by the British Geological Survey. Covering onshore and nearshore boreholes dating back to at least 1790 and ranging from one to several thousand metres deep.

Features are displayed on the Boreholes map on **page 84**

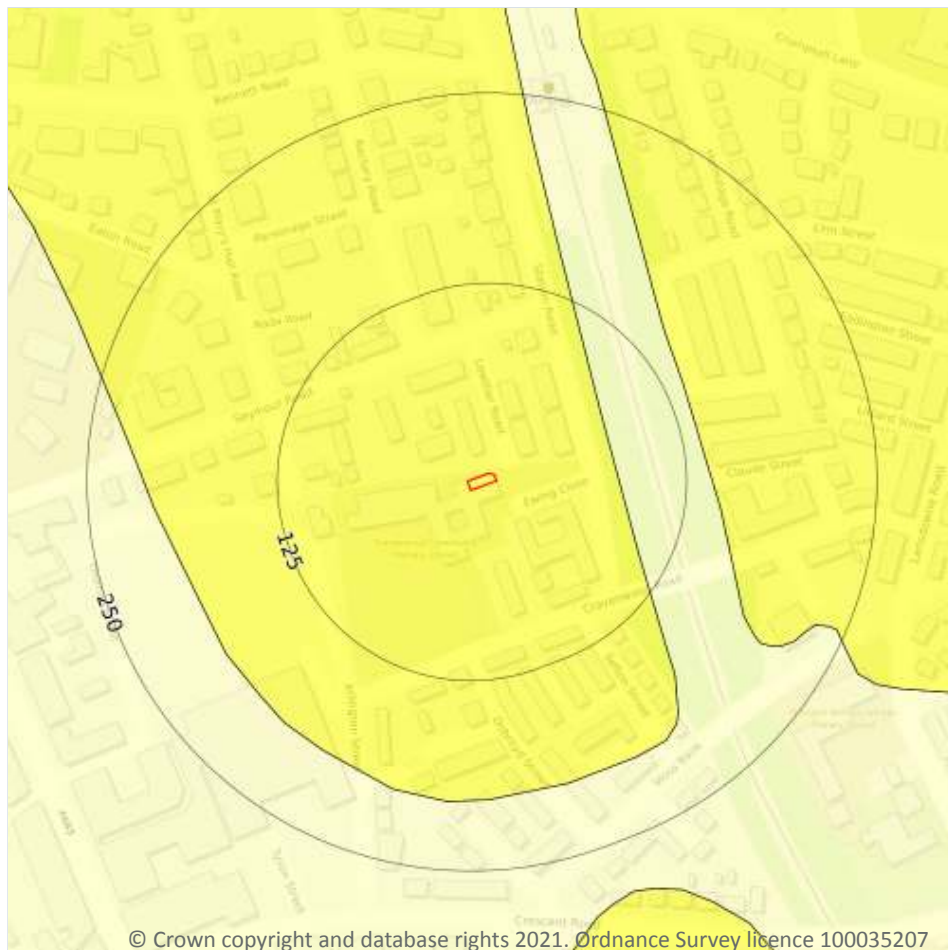
| ID | Location | Grid reference | Name                            | Length | Confidential | Web link              |
|----|----------|----------------|---------------------------------|--------|--------------|-----------------------|
| 1  | 130m E   | 384200 402010  | CHUTHAM HILL & CRUMPSALL        | 12.19  | N            | <a href="#">28806</a> |
| 2  | 134m NE  | 384160 402170  | CRUMPSALL NO.10                 | 11.61  | N            | <a href="#">28805</a> |
| 3  | 153m SE  | 384210 401980  | CHUTHAM HILL & CRUMPSALL. NO.11 | 15.85  | N            | <a href="#">28807</a> |



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



## 17 Natural ground subsidence - Shrink swell clays



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

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### 17.1 Shrink swell clays

#### Records within 50m

1

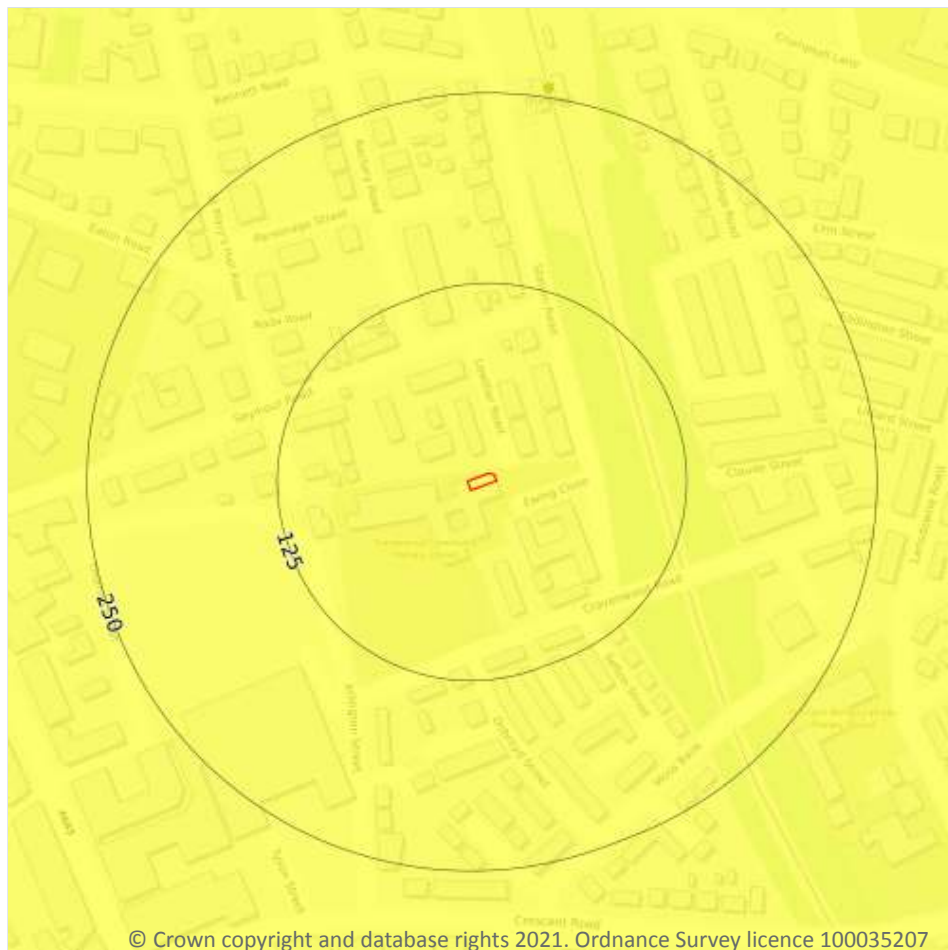
The potential hazard presented by soils that absorb water when wet (making them swell), and lose water as they dry (making them shrink). This shrink-swell behaviour is controlled by the type and amount of clay in the soil, and by seasonal changes in the soil moisture content (related to rainfall and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

Features are displayed on the Natural ground subsidence - Shrink swell clays map on **page 86**

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

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

## Natural ground subsidence - Running sands



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

### 17.2 Running sands

#### Records within 50m

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 87**

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

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



## Natural ground subsidence - Compressible deposits



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

### 17.3 Compressible deposits

#### Records within 50m

1

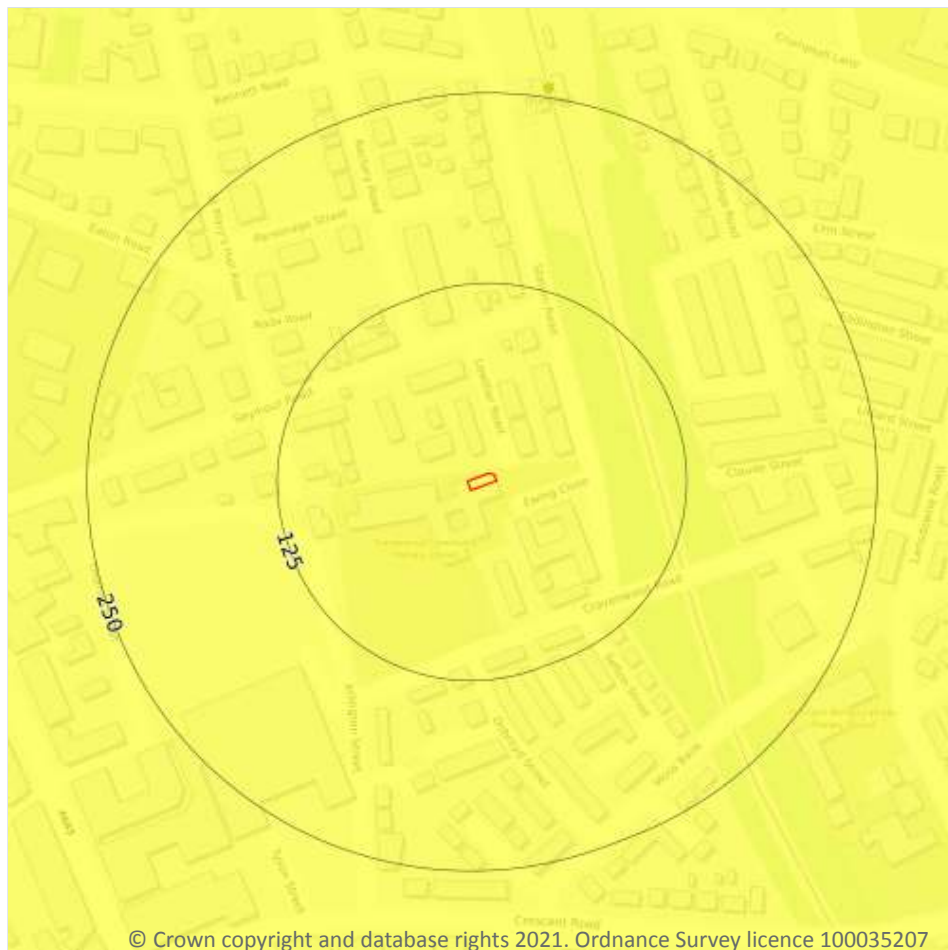
The potential hazard presented by types of ground that may contain layers of very soft materials like clay or peat and may compress if loaded by overlying structures, or if the groundwater level changes, potentially resulting in depression of the ground and disturbance of foundations.

Features are displayed on the Natural ground subsidence - Compressible deposits map on **page 88**

| 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

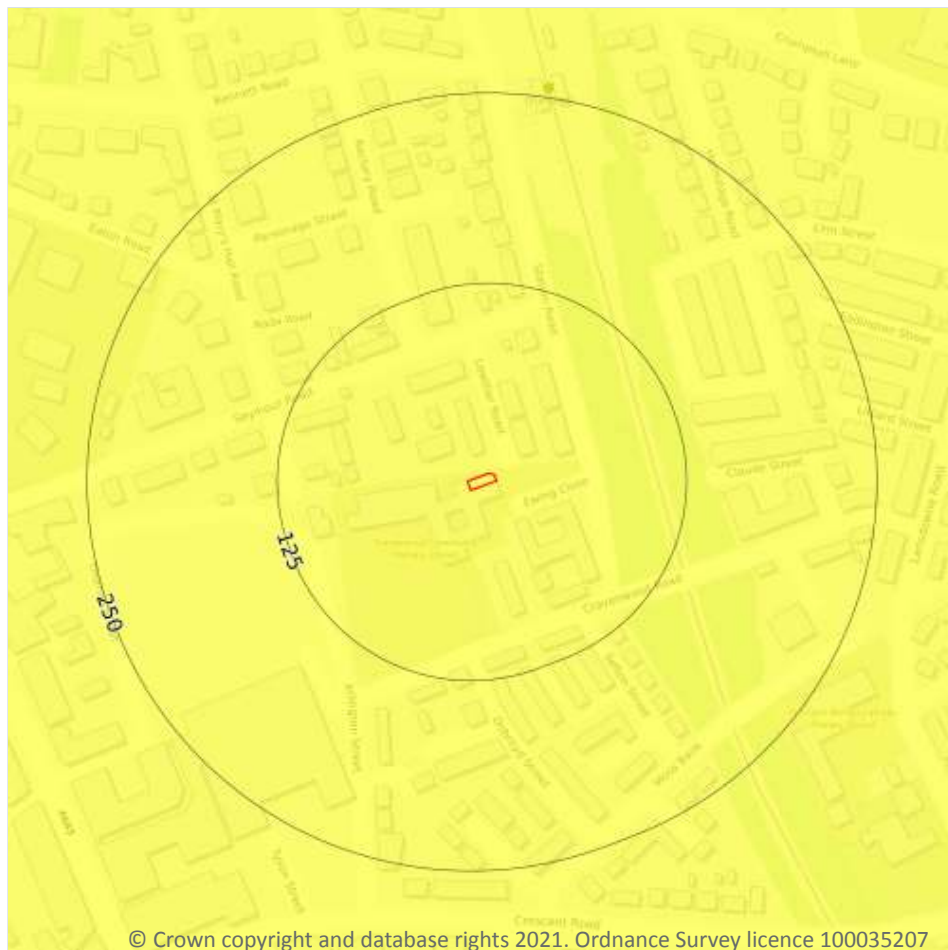
The potential hazard presented by natural deposits that could collapse when a load (such as a building) is placed on them or they become saturated with water.

Features are displayed on the Natural ground subsidence - Collapsible deposits map on **page 89**

| 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.

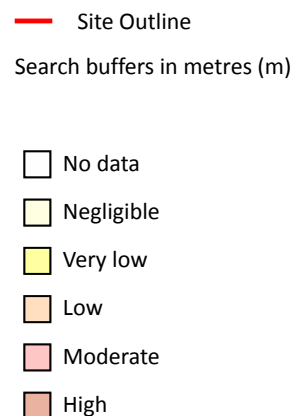
Features are displayed on the Natural ground subsidence - Landslides map on **page 90**

| 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 91**

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

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



## 18 Mining, ground workings and natural cavities



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

### 18.1 Natural cavities

Records within 500m

0

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

*This data is sourced from Stantec UK Ltd.*

## 18.2 BritPits

Records within 500m

0

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

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

## 18.3 Surface ground workings

Records within 250m

34

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

Features are displayed on the Mining, ground workings and natural cavities map on **page 92**

| ID | Location | Land Use | Year of mapping | Mapping scale |
|----|----------|----------|-----------------|---------------|
| A  | 67m E    | Cuttings | 1932            | 1:10560       |
| A  | 67m E    | Cuttings | 1915            | 1:10560       |
| A  | 67m E    | Cuttings | 1907            | 1:10560       |
| A  | 68m E    | Cuttings | 1938            | 1:10560       |
| A  | 68m E    | Cuttings | 1923            | 1:10560       |
| A  | 70m E    | Cuttings | 1968            | 1:10560       |
| A  | 70m E    | Cuttings | 1956            | 1:10560       |
| A  | 74m E    | Cuttings | 1891            | 1:10560       |
| A  | 74m E    | Cuttings | 1985            | 1:10000       |
| A  | 76m E    | Cuttings | 1977            | 1:10000       |
| 1  | 115m N   | Cuttings | 1891            | 1:10560       |
| B  | 124m SE  | Cuttings | 1891            | 1:10560       |
| B  | 124m SE  | Cuttings | 1932            | 1:10560       |
| B  | 124m SE  | Cuttings | 1915            | 1:10560       |
| B  | 124m SE  | Cuttings | 1907            | 1:10560       |
| B  | 127m SE  | Cuttings | 1938            | 1:10560       |
| B  | 127m SE  | Cuttings | 1923            | 1:10560       |



| ID | Location | Land Use | Year of mapping | Mapping scale |
|----|----------|----------|-----------------|---------------|
| C  | 154m W   | Cemetery | 1985            | 1:10000       |
| C  | 154m W   | Cemetery | 1977            | 1:10000       |
| C  | 154m W   | Cemetery | 1968            | 1:10560       |
| C  | 154m W   | Cemetery | 1956            | 1:10560       |
| C  | 154m W   | Cemetery | 1891            | 1:10560       |
| C  | 157m W   | Cemetery | 1938            | 1:10560       |
| C  | 157m W   | Cemetery | 1923            | 1:10560       |
| C  | 161m W   | Cemetery | 1932            | 1:10560       |
| C  | 161m W   | Cemetery | 1915            | 1:10560       |
| C  | 161m W   | Cemetery | 1907            | 1:10560       |
| C  | 168m W   | Cemetery | 1851            | 1:10560       |
| D  | 223m SE  | Cuttings | 1891            | 1:10560       |
| D  | 226m SE  | Cuttings | 1932            | 1:10560       |
| D  | 226m SE  | Cuttings | 1915            | 1:10560       |
| D  | 226m SE  | Cuttings | 1907            | 1:10560       |
| D  | 229m SE  | Cuttings | 1938            | 1:10560       |
| D  | 229m SE  | Cuttings | 1923            | 1:10560       |

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

## 18.4 Underground workings

**Records within 1000m**

**0**

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

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



## 18.5 Historical Mineral Planning Areas

Records within 500m

0

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

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

## 18.6 Non-coal mining

Records within 1000m

0

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

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

## 18.7 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.*

## 18.8 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.*

## 18.9 Coal mining

Records on site

1

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

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

*This data is sourced from the Coal Authority.*

## 18.10 Brine areas

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

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

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

## 18.11 Gypsum areas

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

Generalised areas that may be affected by gypsum extraction.

*This data is sourced from British Gypsum.*

## 18.12 Tin mining

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

Generalised areas that may be affected by historical tin mining.

*This data is sourced from Mining Searches UK.*

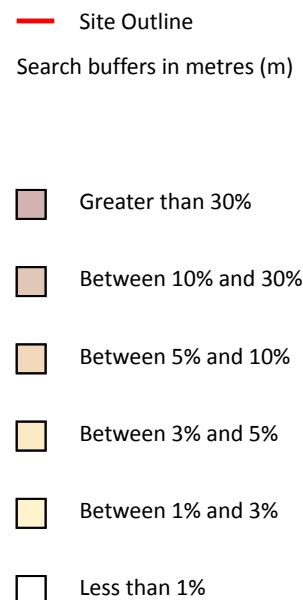
## 18.13 Clay mining

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

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

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

## 19 Radon



### 19.1 Radon

#### Records on site

1

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

Features are displayed on the Radon map on **page 97**

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

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



## 20 Soil chemistry

### 20.1 BGS Estimated Background Soil Chemistry

Records within 50m

2

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

| Location | Arsenic  | Bioaccessible Arsenic | Lead            | Bioaccessible Lead | Cadmium   | Chromium      | Nickel        |
|----------|----------|-----------------------|-----------------|--------------------|-----------|---------------|---------------|
| On site  | 15 mg/kg | No data               | 100 - 200 mg/kg | 60 - 120 mg/kg     | 1.8 mg/kg | 60 - 90 mg/kg | 30 - 45 mg/kg |
| On site  | 15 mg/kg | No data               | 100 - 200 mg/kg | 60 - 120 mg/kg     | 1.8 mg/kg | 60 - 90 mg/kg | 30 - 45 mg/kg |

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

### 20.2 BGS Estimated Urban Soil Chemistry

Records within 50m

0

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

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

### 20.3 BGS Measured Urban Soil Chemistry

Records within 50m

0

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

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



## 21 Railway infrastructure and projects



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

### 21.1 Underground railways (London)

Records within 250m

0

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

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

### 21.2 Underground railways (Non-London)

Records within 250m

0

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



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

## 21.3 Railway tunnels

**Records within 250m**

**0**

Railway tunnels taken from contemporary Ordnance Survey mapping.

*This data is sourced from the Ordnance Survey.*

## 21.4 Historical railway and tunnel features

**Records within 250m**

**14**

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

Features are displayed on the Railway infrastructure and projects map on **page 99**

| Location | Land Use        | Year of mapping | Mapping scale |
|----------|-----------------|-----------------|---------------|
| 70m E    | Railways        | 1934            | -             |
| 70m E    | Railways        | 1909            | -             |
| 73m NE   | Railway Sidings | 1938            | 10560         |
| 91m NE   | Railway Sidings | 1968            | 10560         |
| 91m NE   | Railway Sidings | 1956            | 10560         |
| 94m NE   | Railway Sidings | 1977            | 10000         |
| 95m NE   | Railway Sidings | 1932            | 10560         |
| 95m NE   | Railway Sidings | 1915            | 10560         |
| 98m NE   | Railway Sidings | 1923            | 10560         |
| 104m NE  | Railway Sidings | 1951            | 2500          |
| 104m NE  | Railway Sidings | 1922            | 2500          |
| 104m NE  | Railway Sidings | 1932            | 2500          |
| 113m NE  | Railway Sidings | 1969            | 1250          |
| 114m NE  | Railway Sidings | 1968            | 2500          |

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



## 21.5 Royal Mail tunnels

Records within 250m

0

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

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

## 21.6 Historical railways

Records within 250m

0

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

*This data is sourced from OpenStreetMap.*

## 21.7 Railways

Records within 250m

13

Currently existing railway lines, including standard railways, narrow gauge, funicular, trams and light railways. Features are displayed on the Railway infrastructure and projects map on **page 99**

| Location | Name      | Type        |
|----------|-----------|-------------|
| 100m E   |           | light_rail  |
| 102m E   | Not given | Multi Track |
| 104m E   |           | light_rail  |
| 108m NE  |           | light_rail  |
| 108m NE  |           | light_rail  |
| 128m NE  |           | light_rail  |
| 146m SE  | Not given | Multi Track |
| 152m NE  |           | light_rail  |
| 152m NE  |           | light_rail  |
| 152m SE  | Not given | Multi Track |
| 212m N   | Not given | Multi Track |
| 227m SE  | Not given | Multi Track |



| Location | Name      | Type        |
|----------|-----------|-------------|
| 229m N   | Not given | Multi Track |

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

## 21.8 Crossrail 1

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

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

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

## 21.9 Crossrail 2

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

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

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

## 21.10 HS2

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

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

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## COAL AUTHORITY MINING REPORT



The Coal  
Authority

# CON29M

## coal mining report

CRAVENWOOD PRIMARY SCHOOL, CRAVENWOOD ROAD, MANCHESTER  
M8 5AE



### Known or potential coal mining risks

|                                |        |
|--------------------------------|--------|
| Future underground coal mining | Page 3 |
| Withdrawal of support          | Page 5 |



### Further action

No further reports from the Coal Authority are required. Further information on any next steps can be found in our Professional opinion.

For more information on our reports please visit  
[www.groundstability.com](http://www.groundstability.com)



### Professional opinion

According to the official mining information records held by the Coal Authority at the time of this search, evidence of, or the potential for, coal mining related features have been identified. It is unlikely that these features will impact on the stability of the enquiry boundary.

Your reference: **7077A**  
Our reference: **51002362954001**  
Date: **12 February 2021**

Client name:  
**SUB SURFACE LIMITED**

If you require any further assistance please  
contact our experts on:  
**0345 762 6848**  
[groundstability@coal.gov.uk](mailto:groundstability@coal.gov.uk)



The Law  
Society

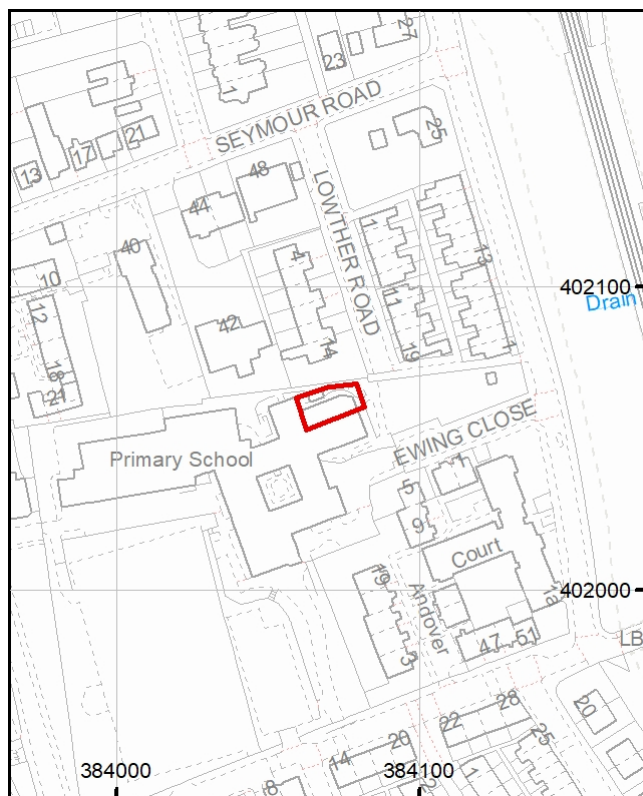
# Enquiry boundary

## Key

Approximate position of enquiry boundary shown



We can confirm that the location is  
**on the coalfield**



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This report is prepared in accordance with the latest Law Society's Guidance Notes 2018, the User Guide 2018 and the Coal Authority's Terms and Conditions applicable at the time the report was produced.



## Accessibility

If you would like this information in an alternative format, please contact our communications team on 0345 762 6848 or email [communications@coal.gov.uk](mailto:communications@coal.gov.uk).

# Detailed findings

Information provided by the Coal Authority in this report is compiled in response to the Law Society's CON29M Coal Mining enquiries. The said enquiries are protected by copyright owned by the Law Society of 113 Chancery Lane, London WC2A 1PL.

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## 1 Past underground coal mining

The property is not within a surface area that could be affected by any past recorded underground coal mining.

## 2 Present underground coal mining

The property is not within a surface area that could be affected by present underground mining.

## 3 Future underground coal mining

The property is not in an area where the Coal Authority has received an application for, and is currently considering whether to grant a licence to remove or work coal by underground methods.

The property is not in an area where a licence has been granted to remove or otherwise work coal using underground methods.

The property is not in an area likely to be affected from any planned future underground coal mining.

However, reserves of coal exist in the local area which could be worked at some time in the future.

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

## 4 Mine entries

There are no recorded coal mine entries known to the Coal Authority within, or within 20 metres, of the boundary of the property.

## 5 Coal mining geology

The Coal Authority is not aware of any damage due to geological faults or other lines of weakness that have been affected by coal mining.

## 6 Past opencast coal mining

The property is not within the boundary of an opencast site from which coal has been removed by opencast methods.

## 7 Present opencast coal mining

The property does not lie within 200 metres of the boundary of an opencast site from which coal is being removed by opencast methods.

## 8 Future opencast coal mining

There are no licence requests outstanding to remove coal by opencast methods within 800 metres of the boundary.

The property is not within 800 metres of the boundary of an opencast site for which a licence to remove coal by opencast methods has been granted.

## 9 Coal mining subsidence

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

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

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

## 10 Mine gas

The Coal Authority has no record of a mine gas emission requiring action.

## 11 Hazards related to coal mining

The property has not been subject to remedial works, by or on behalf of the Coal Authority, under its Emergency Surface Hazard Call Out procedures.

## 12 Withdrawal of support

The property is in an area where a notice to withdraw support was given in 1959.

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

## 13 Working facilities order

The property is not in an area where an order has been made, under the provisions of the Mines (Working Facilities and Support) Acts 1923 and 1966 or any statutory modification or amendment thereof.

## 14 Payments to owners of former copyhold land

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

# Statutory cover



## Coal mining subsidence

In the unlikely event of any coal mining related subsidence damage, the Coal Authority or the mine operator has a duty to take remedial action in respect of subsidence caused by the withdrawal of support from land or property in connection with lawful coal mining operations.

When the works are the responsibility of the Coal Authority, our dedicated public safety and subsidence team will manage the claim. The house or land owner ("the owner") is covered for these works under the terms of the Coal Mining Subsidence Act 1991 (as amended by the Coal Industry Act 1994). Please note, this Act does not apply where coal was worked or gotten by virtue of the grant of a gale in the Forest of Dean, or any other part of the Hundred of St. Briavels in the county of Gloucester.

If you believe your land or property is suffering from coal mining subsidence damage and you need more information on what to do next, please use the following link to our website which sets out what your rights are and what you need to consider before making a claim.

[www.gov.uk/government/publications/coal-mining-subsidence-damage-notice-form](http://www.gov.uk/government/publications/coal-mining-subsidence-damage-notice-form)



## Coal mining hazards

Our public safety and subsidence team provide a 24 hour a day, 7 days a week hazard reporting service, to help protect the public from hazards caused by past coal workings, such as a mine shaft or shallow working collapse. To report any hazards please call **01623 646 333**. Further information can be found on our website: [www.gov.uk/coalauthority](http://www.gov.uk/coalauthority).

# Glossary



## Key terms

**adit** - horizontal or sloped entrance to a mine

**coal mining subsidence** - ground movement caused by the removal of coal by underground mining

**Coal Mining Subsidence Act 1991** - the Act setting out the duties of the Coal Authority to repair damage caused by coal mining subsidence

**coal mining subsidence damage** - damage to land, buildings or structures caused by the removal of coal by underground mining

**coal seams** - bed of coal of varying thickness

**future opencast coal mining** - a licence granted, or licence application received, by the Coal Authority to excavate coal from the surface

**future underground coal mining** - a licence granted, or licence application received, by the Coal Authority to excavate coal underground. Although it is unlikely, remaining coal reserves could create a possibility for future mining, which would be licensed by the Coal Authority

**mine entries** - collective name for shafts and adits

**payments to owners of former copyhold land** - historically, copyhold land gave rights to coal to the copyholder. Legislation was set up to allow others to work this coal, but they had to issue a notice and pay compensation if a copyholder came forward

**shaft** - vertical entry into a mine

**site investigation** - investigations of coal mining risks carried out with the Coal Authority's permission

**stop notice** - a delay to repairs because further coal mining subsidence damage may occur and it would be unwise to carry out permanent repairs

**subsidence claim** - a formal notice of subsidence damage to the Coal Authority since it was established on 31 October 1994

**withdrawal of support** - a historic notice informing landowners that the coal beneath their property was going to be worked

**working facilities orders** - a court order which gave permission, restricted or prevented coal mine workings

## **SMALL SCALE SURVEY PLANS**



#### Site Details:

Cravenwood Primary School,  
Cravenwood Road, M8 5AE

Client Ref: 4199  
Report Ref: CMAPS-CM-959754-4199-050521HIS  
Grid Ref: 384070, 402058

Map Name: County Series

Map date: 1848

Scale: 1:10,560

Printed at: 1:10,560



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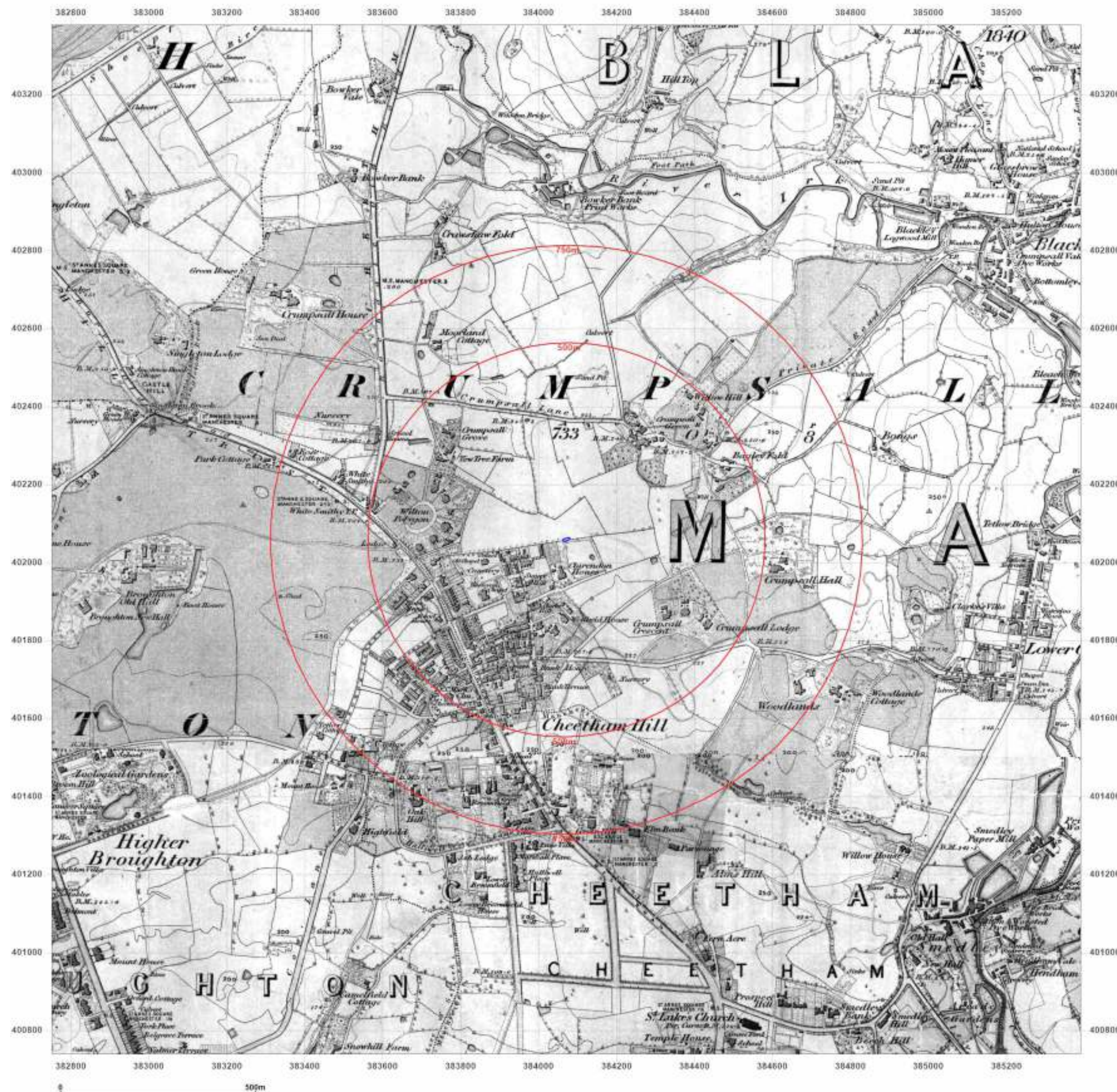


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**Report Ref:** CMAPS-CM-959754-4199-050521HIS  
**Grid Ref:** 384070, 402058

**Map Name:** County Series

**Map date:** 1891

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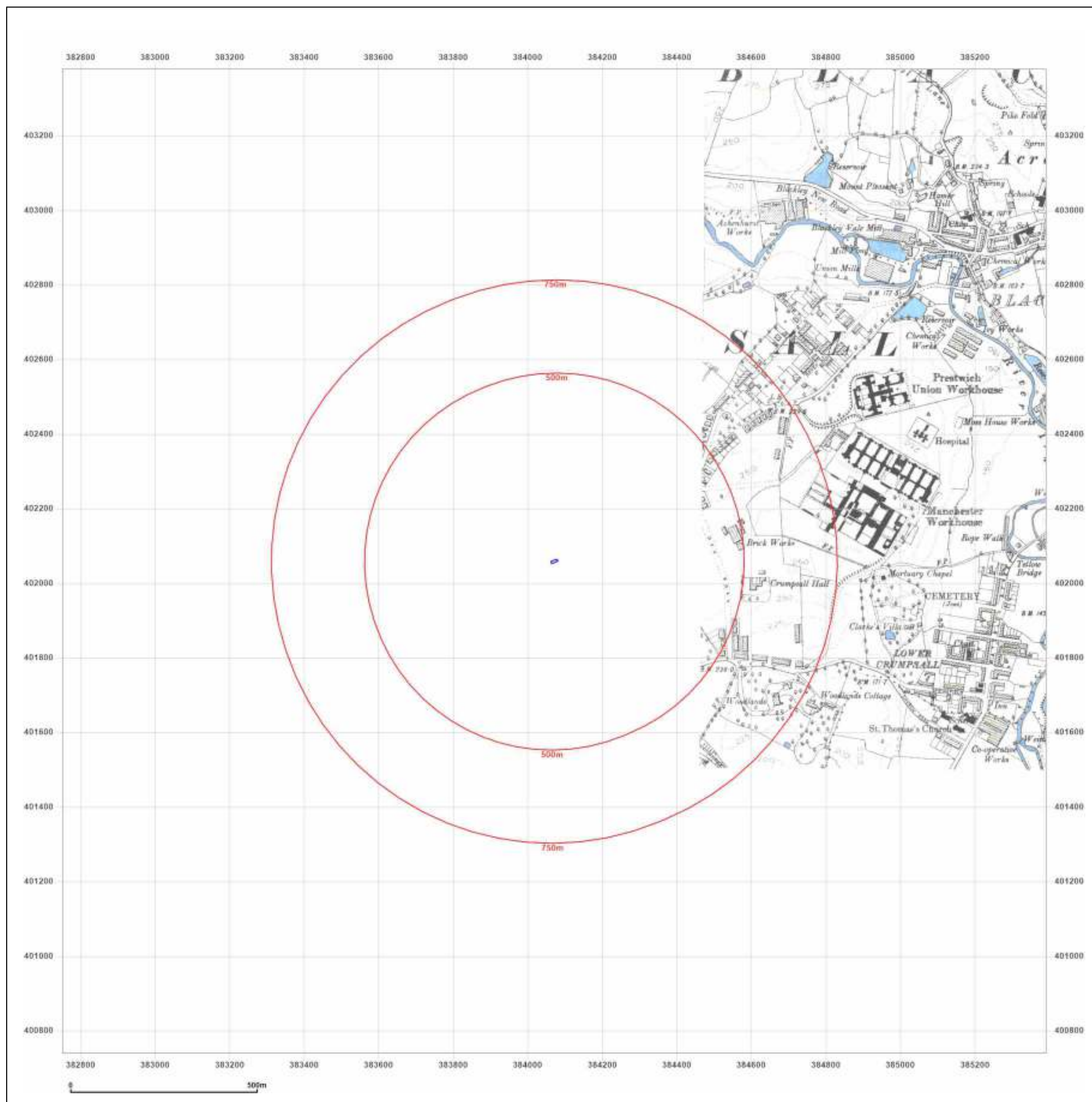


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**Map Name:** County Series

**Map date:** 1891-1894

**Scale:** 1:10,560

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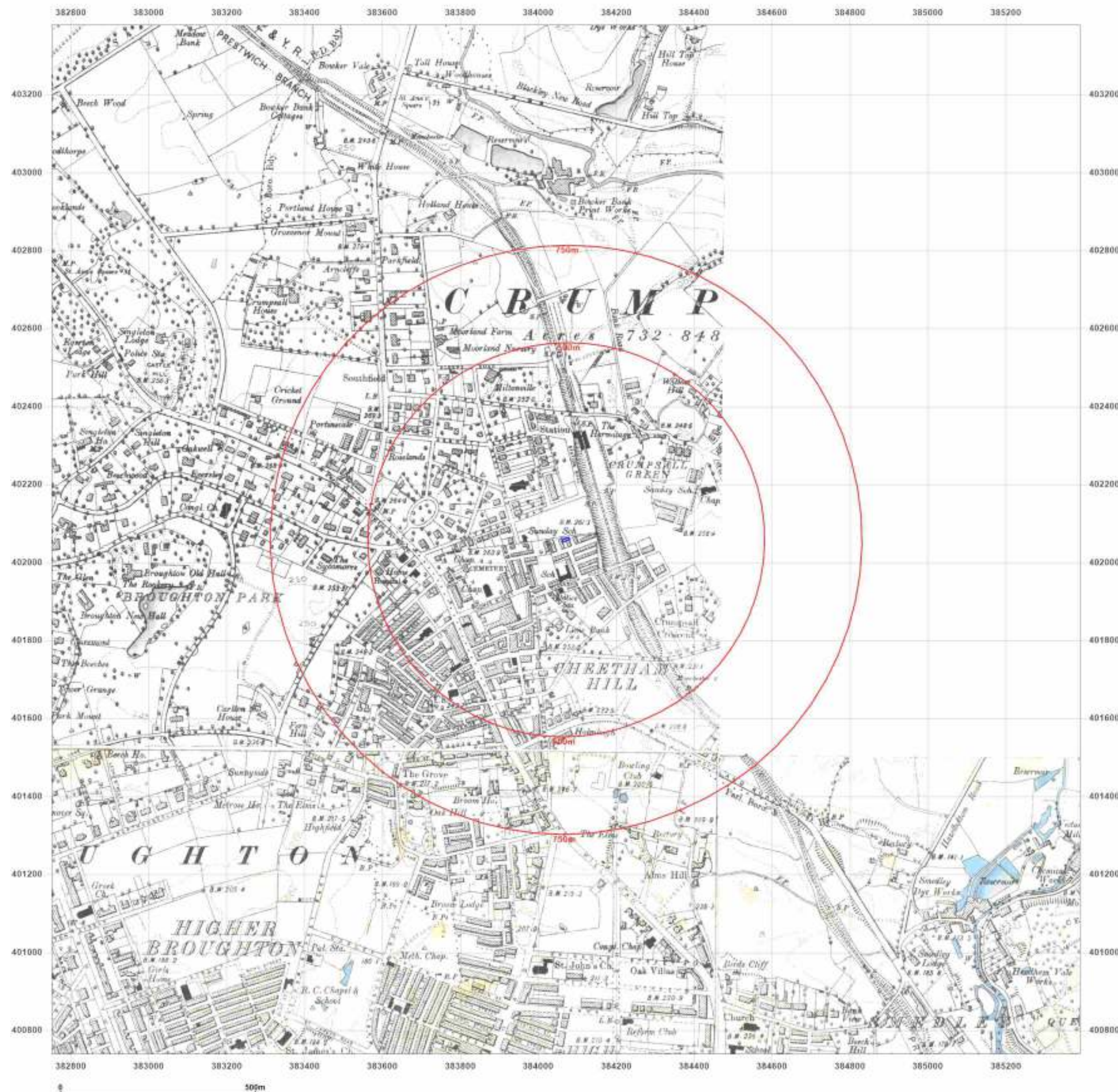


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**Grid Ref:** 384070, 402058

**Map Name:** County Series

**Map date:** 1906-1907

**Scale:** 1:10,560

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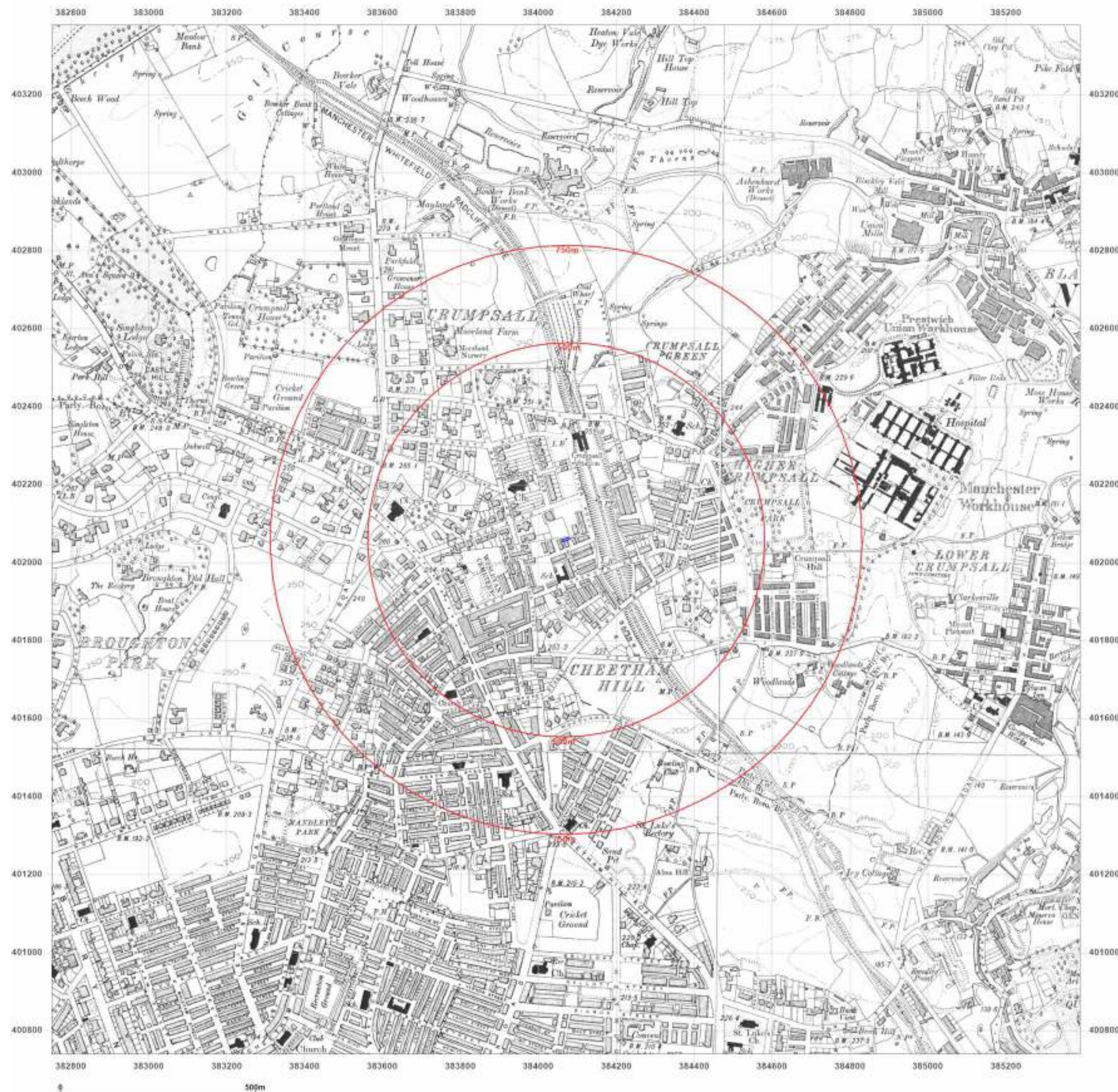


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**Client Ref:** 4199  
**Report Ref:** CMAPS-CM-959754-4199-050521HIS  
**Grid Ref:** 384070, 402058

**Map Name:** County Series

**Map date:** 1915

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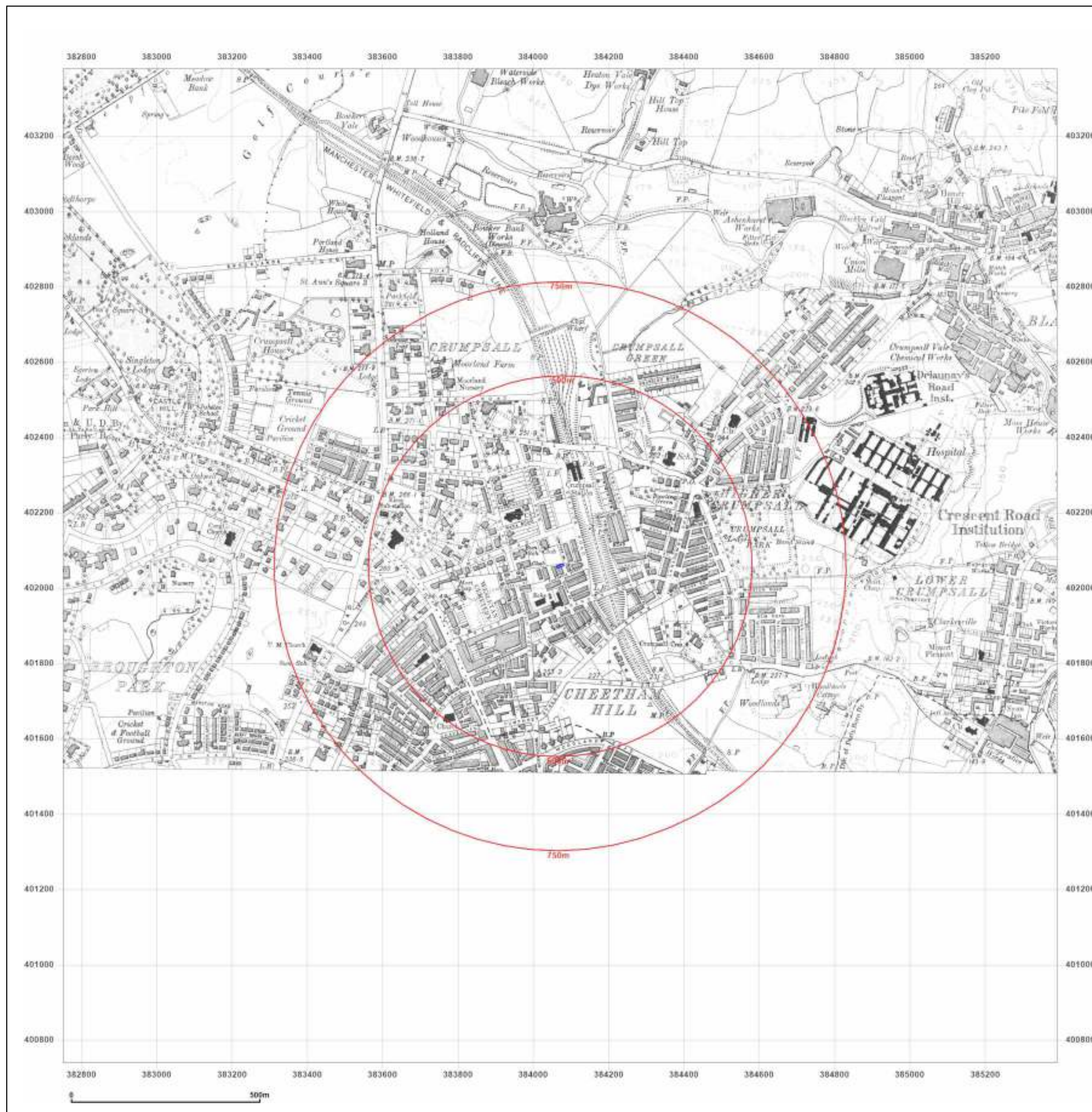


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**Client Ref:** 4199  
**Report Ref:** CMAPS-CM-959754-4199-050521HIS  
**Grid Ref:** 384070, 402058

**Map Name:** County Series

**Map date:** 1923

**Scale:** 1:10,560

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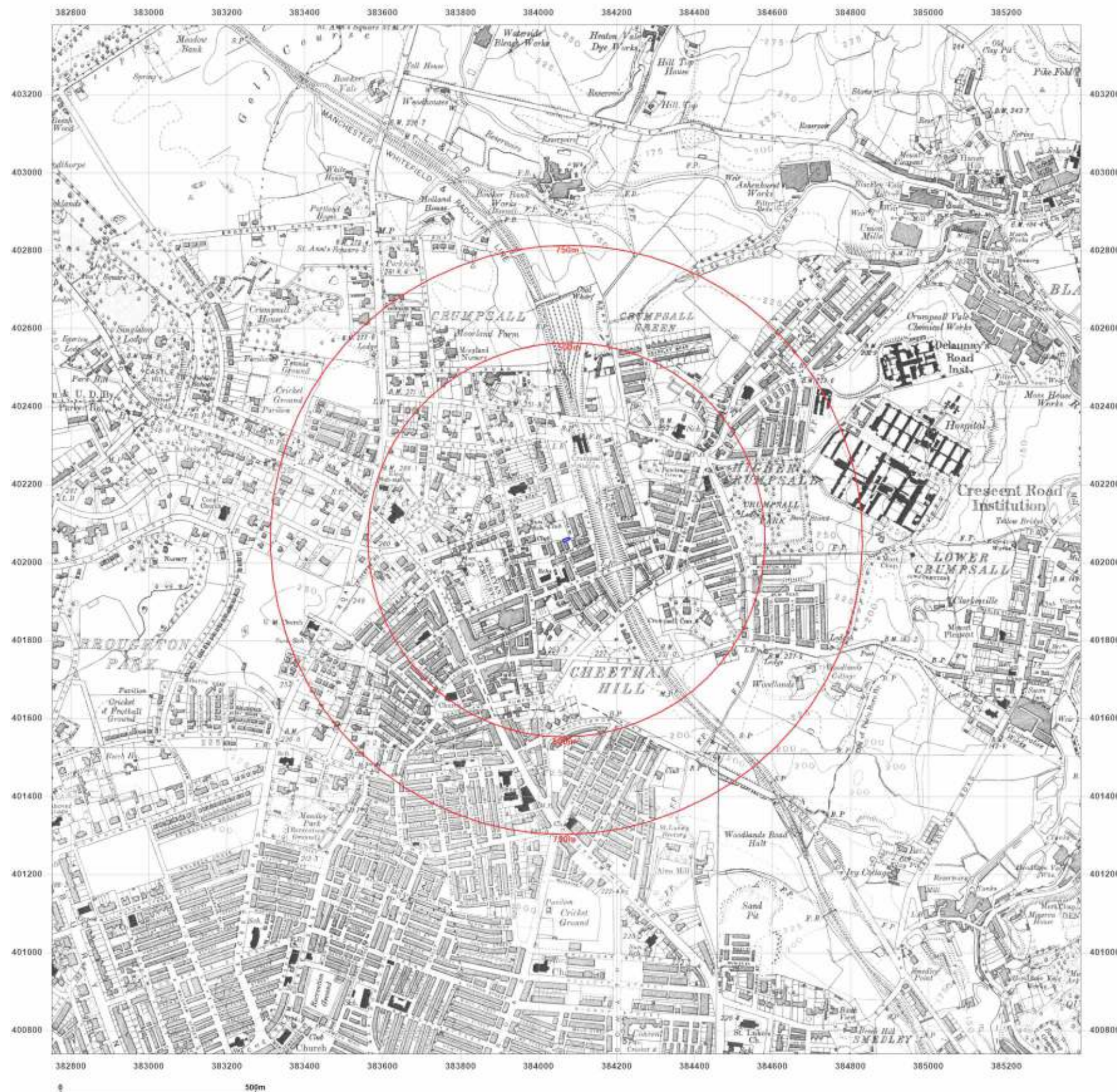


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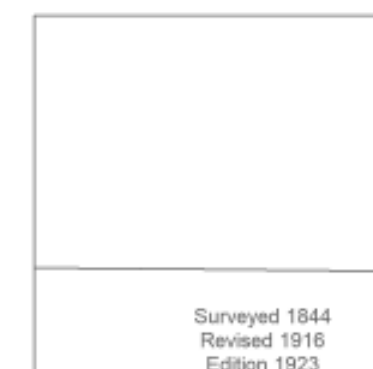
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**Map Name:** County Series

**Map date:** 1923

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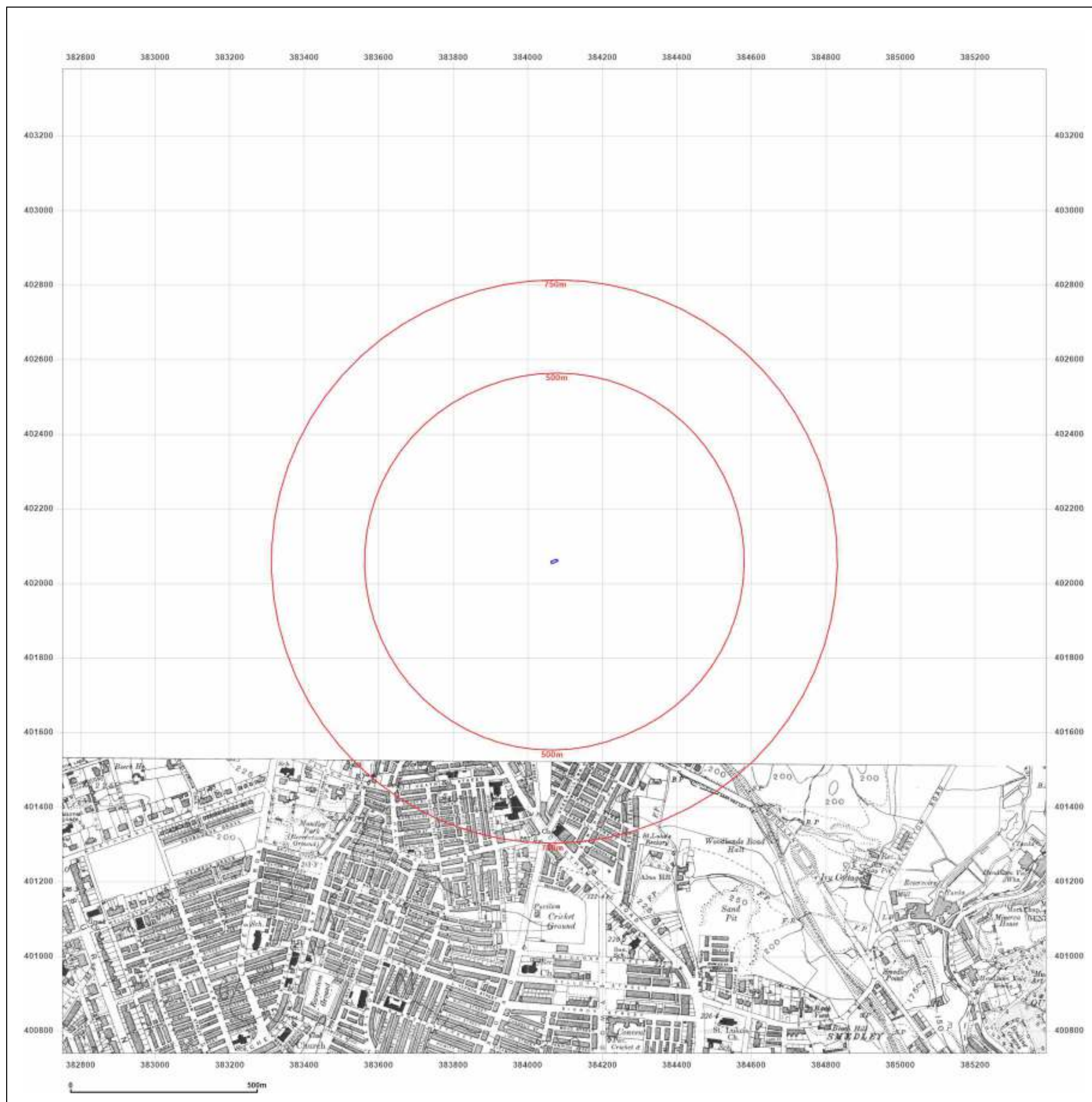


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**Map Name:** County Series

**Map date:** 1931-1933

**Scale:** 1:10,560

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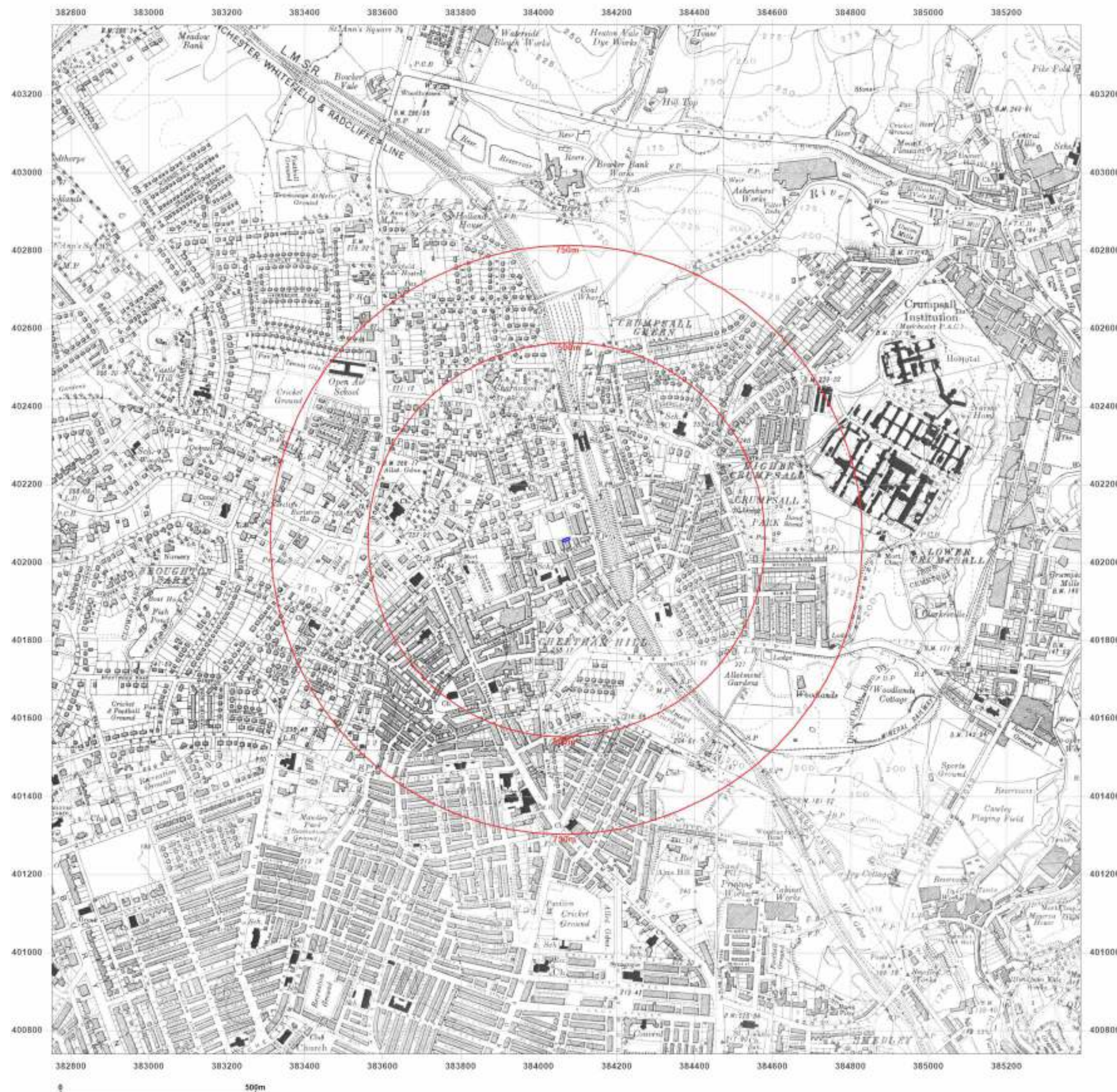


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**Client Ref:** 4199  
**Report Ref:** CMAPS-CM-959754-4199-050521HIS  
**Grid Ref:** 384070, 402058

**Map Name:** County Series

**Map date:** 1938

**Scale:** 1:10,560

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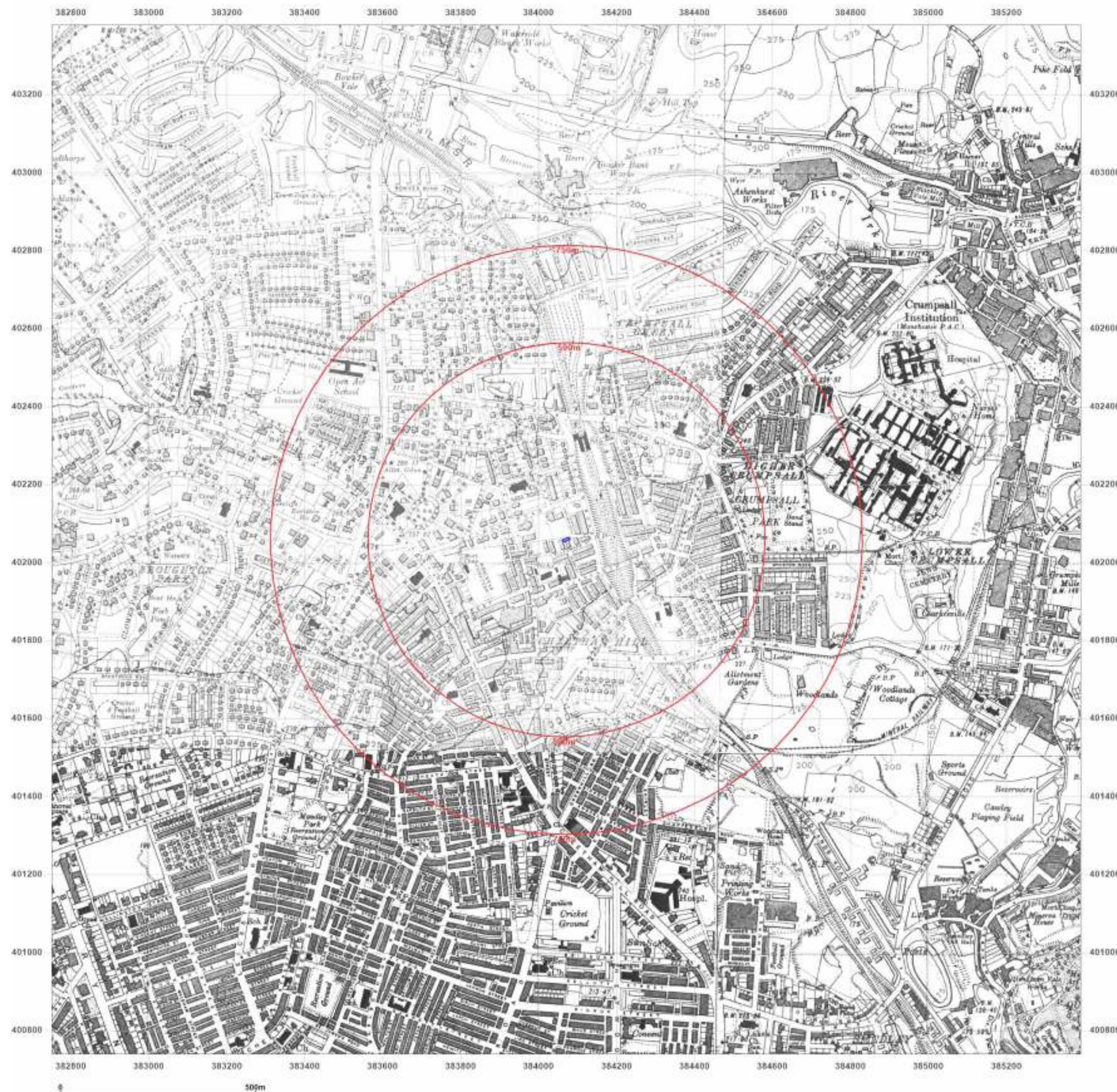


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**Client Ref:** 4199  
**Report Ref:** CMAPS-CM-959754-4199-050521HIS  
**Grid Ref:** 384070, 402058

**Map Name:** Provisional

**Map date:** 1956

**Scale:** 1:10,560

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**Client Ref:** 4199  
**Report Ref:** CMAPS-CM-959754-4199-050521HIS  
**Grid Ref:** 384070, 402058

**Map Name:** Provisional

**Map date:** 1966-1968

**Scale:** 1:10,560

**Printed at:** 1:10,560



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**Client Ref:** 4199  
**Report Ref:** CMAPS-CM-959754-4199-050521HIS  
**Grid Ref:** 384070, 402058

**Map Name:** National Grid

**Map date:** 1975-1977

**Scale:** 1:10,000

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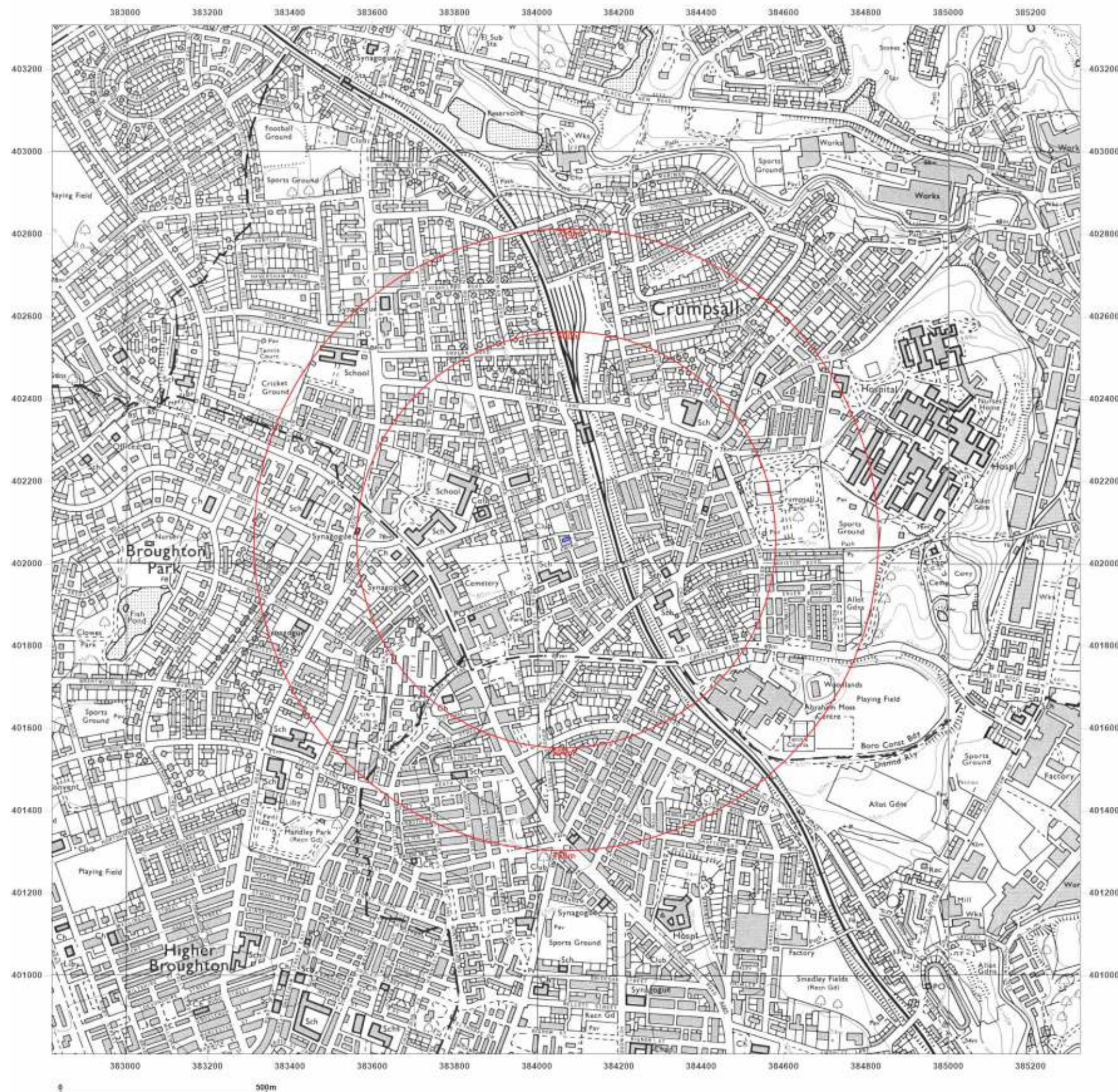


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**Client Ref:** 4199  
**Report Ref:** CMAPS-CM-959754-4199-050521HIS  
**Grid Ref:** 384070, 402058

**Map Name:** National Grid

**Map date:** 1980-1985

**Scale:** 1:10,000

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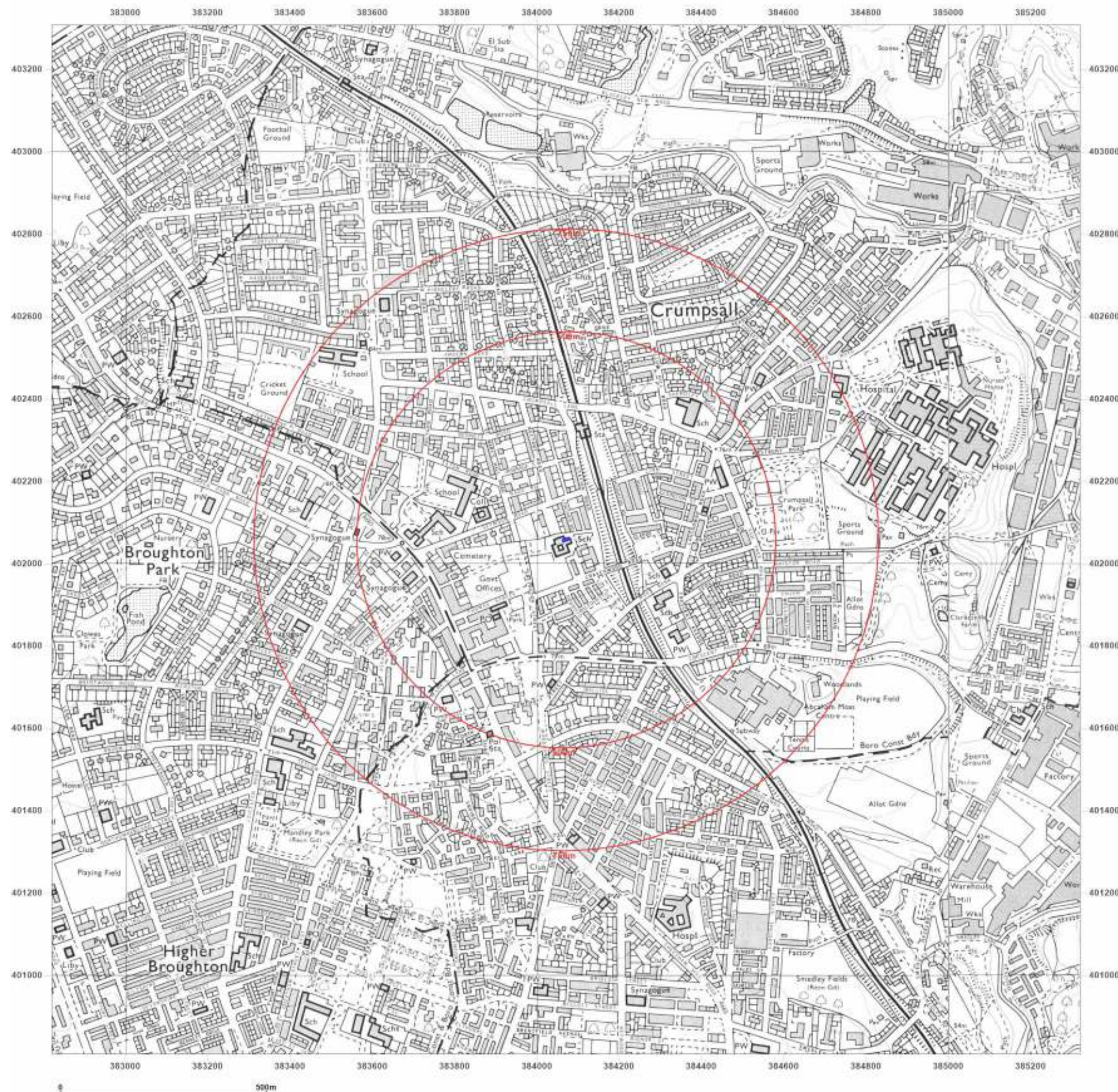


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**Client Ref:** 4199  
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**Grid Ref:** 384070, 402058

**Map Name:** National Grid

**Map date:** 2001

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**Client Ref:** 4199  
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**Grid Ref:** 384070, 402058

**Map Name:** National Grid

**Map date:** 2010

**Scale:** 1:10,000

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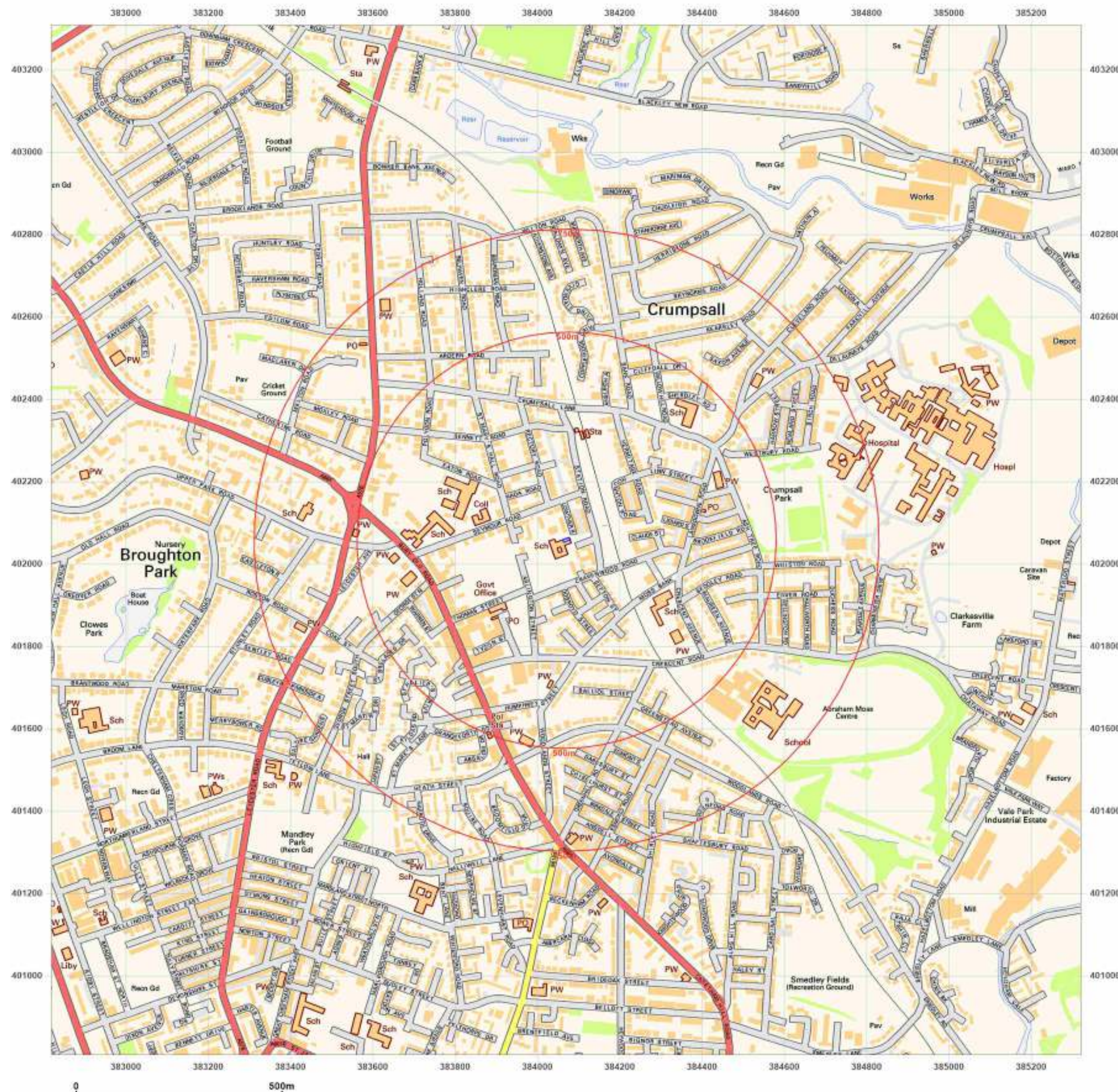


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**Client Ref:** 4199  
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**Grid Ref:** 384070, 402058

**Map Name:** National Grid

**Map date:** 2021

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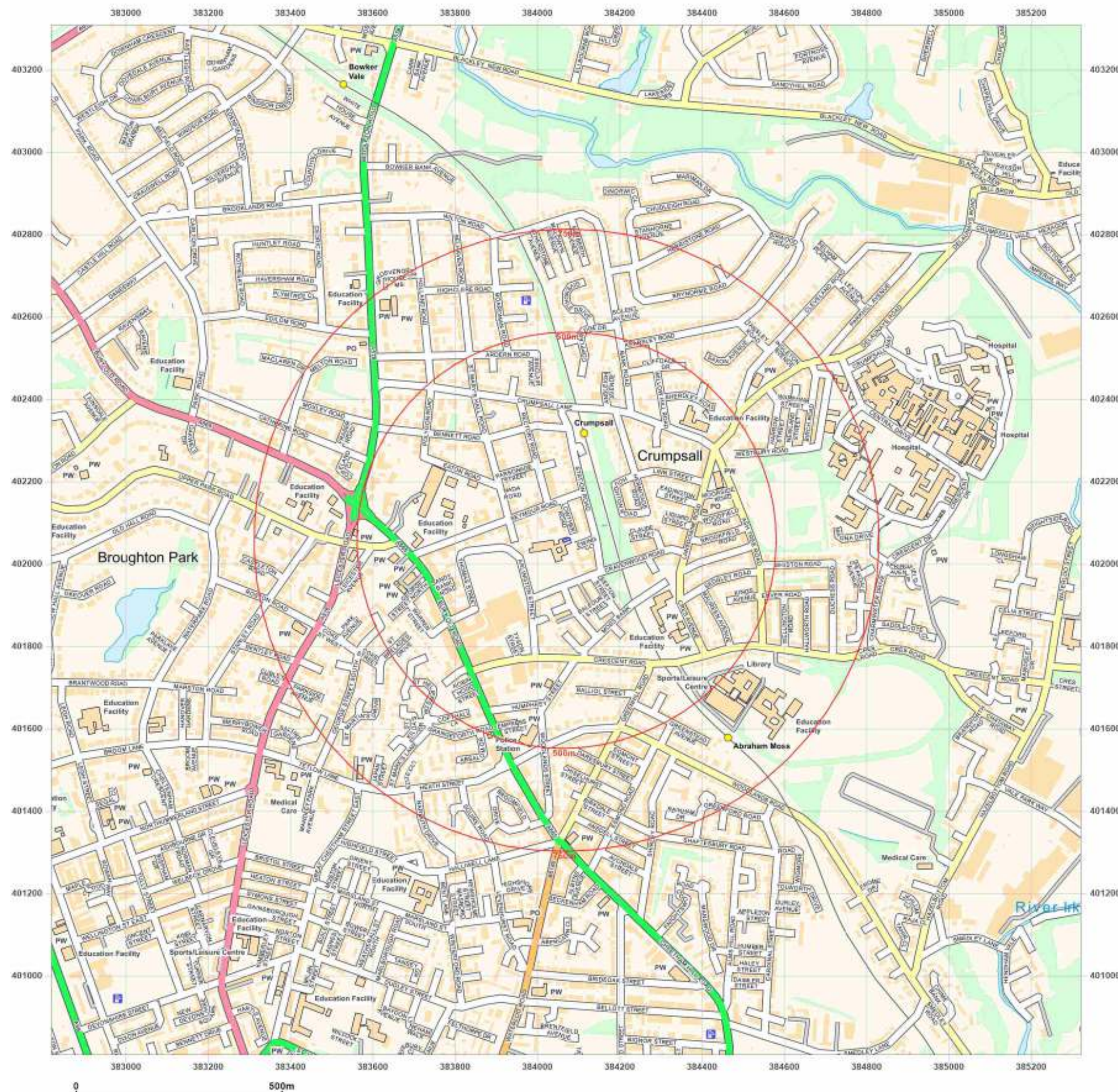


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## **LARGE SCALE SURVEY PLANS**



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**Client Ref:** 4199  
**Report Ref:** CMAPS-CM-959754-4199-050521HIS  
**Grid Ref:** 384070, 402058

**Map Name:** 1056 Scale Town Plan

**Map date:** 1850

**Scale:** 1:1,056

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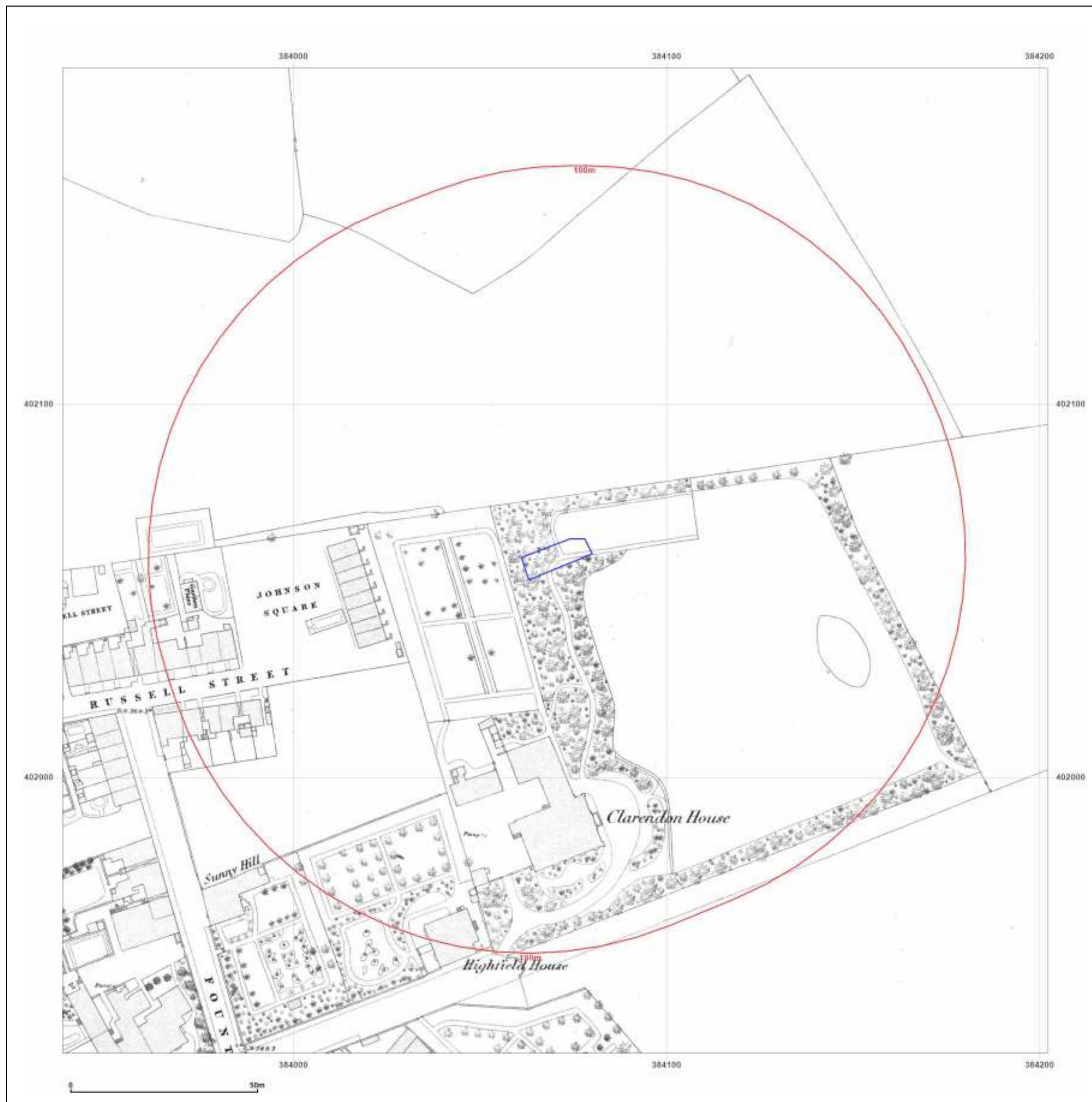


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**Report Ref:** CMAPS-CM-959754-4199-050521HIS  
**Grid Ref:** 384070, 402058

**Map Name:** County Series Town Plan

**Map date:** 1890

**Scale:** 1:500

**Printed at:** 1:1,000



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Report Ref: CMAPS-CM-959754-4199-050521HIS  
Grid Ref: 384070, 402058

Map Name: County Series

Map date: 1893

Scale: 1:2,500

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#### Site Details:

Cravenwood Primary School,  
Cravenwood Road, M8 5AE

**Client Ref:** 4199  
**Report Ref:** CMAPS-CM-959754-4199-050521HIS  
**Grid Ref:** 384070, 402058

**Map Name:** County Series

**Map date:** 1909

**Scale:** 1:2,500

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



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Cravenwood Primary School,  
Cravenwood Road, M8 5AE

**Client Ref:** 4199  
**Report Ref:** CMAPS-CM-959754-4199-050521HIS  
**Grid Ref:** 384070, 402058

Map Name: County Series

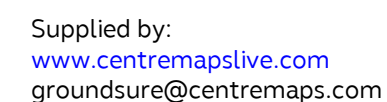
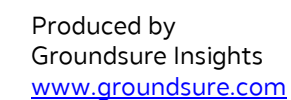
Map date: 1922

**Scale:** 1:2,500

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Client Ref: 4199  
Report Ref: CMAPS-CM-959754-4199-050521HIS  
Grid Ref: 384070, 402058

Map Name: County Series

Map date: 1932

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**Client Ref:** 4199  
**Report Ref:** CMAPS-CM-959754-4199-050521HIS  
**Grid Ref:** 384070, 402058

**Map Name:** National Grid

**Map date:** 1950-1951

**Scale:** 1:2,500

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



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**Client Ref:** 4199  
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**Grid Ref:** 384070, 402058

**Map Name:** National Grid

**Map date:** 1950-1952

**Scale:** 1:1,250

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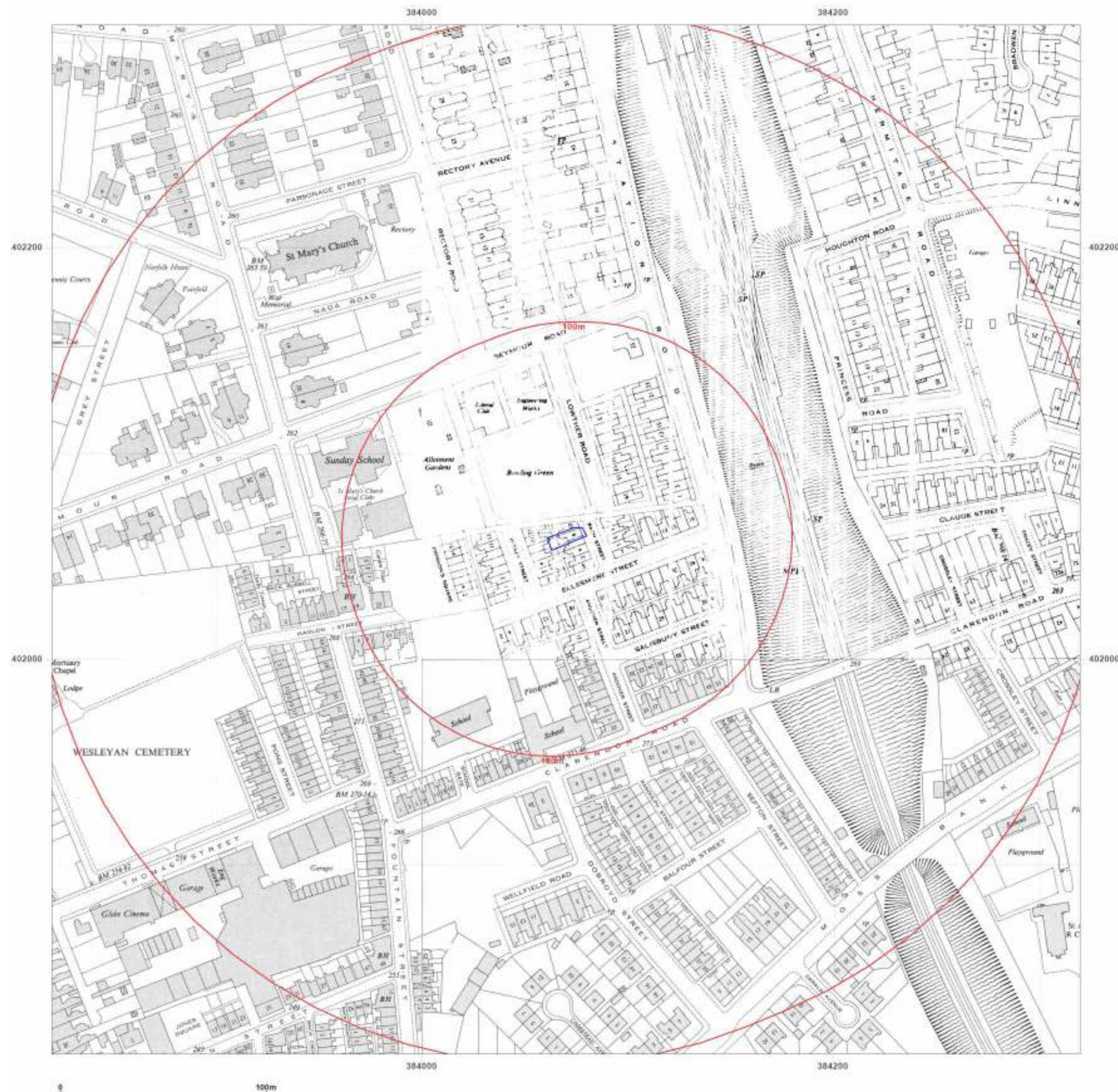


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**Report Ref:** CMAPS-CM-959754-4199-050521HIS  
**Grid Ref:** 384070, 402058

**Map Name:** National Grid

**Map date:** 1951-1952

**Scale:** 1:1,250

**Printed at:** 1:2,000



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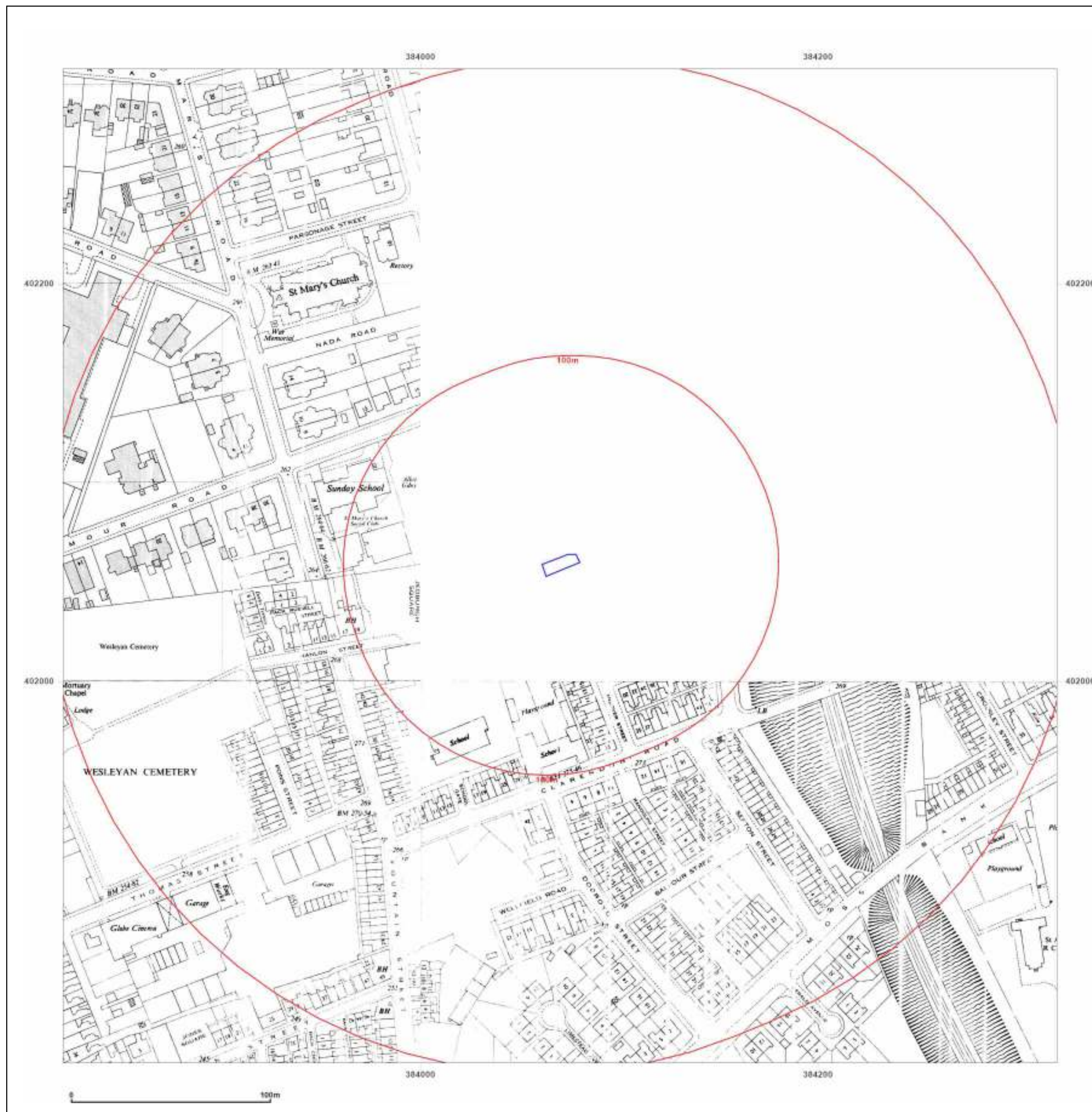


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**Grid Ref:** 384070, 402058

**Map Name:** National Grid

**Map date:** 1967-1968

**Scale:** 1:2,500

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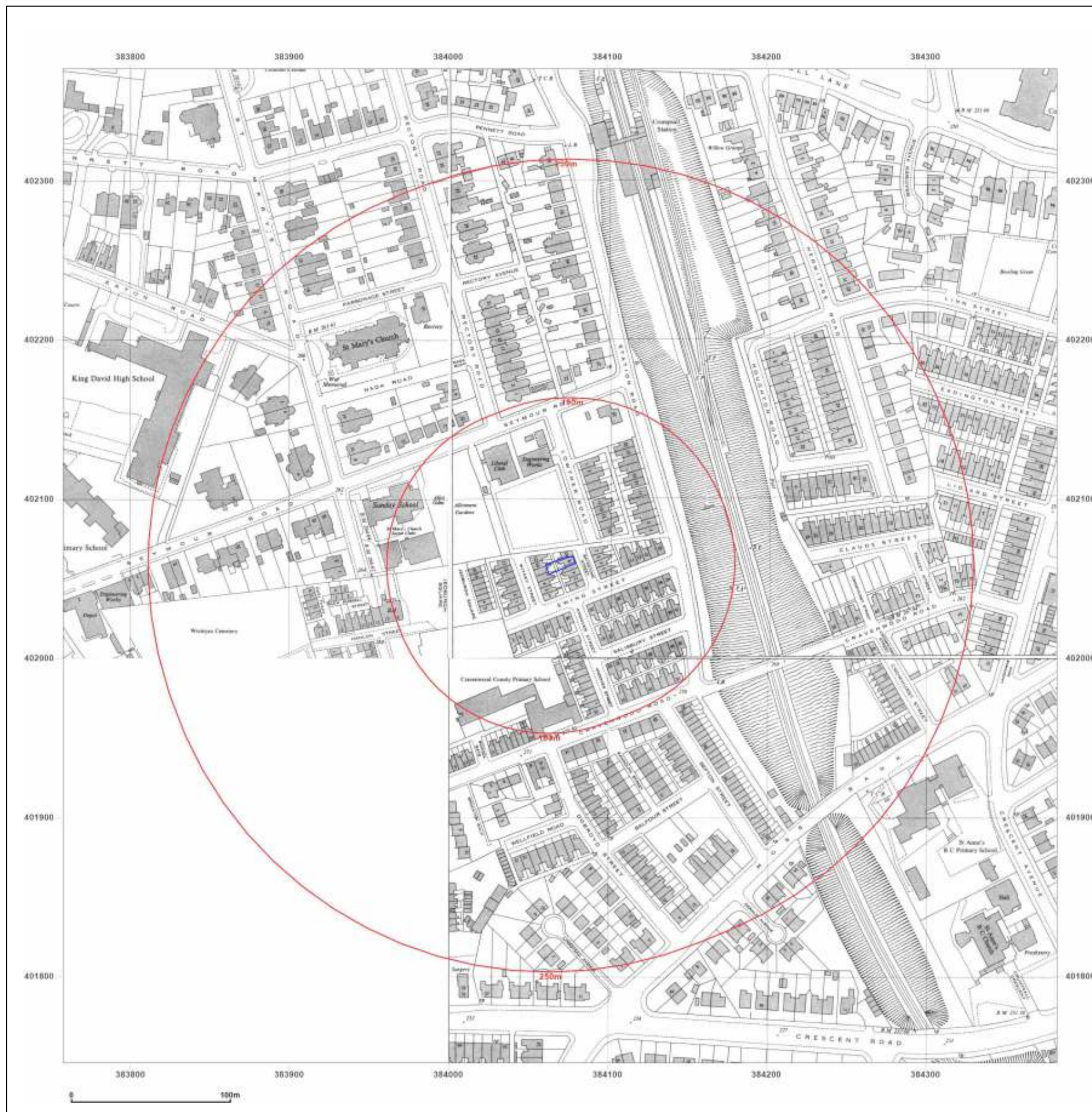


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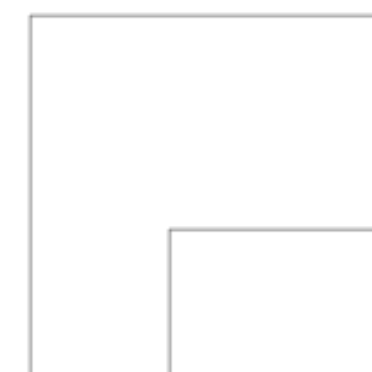
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**Grid Ref:** 384070, 402058

**Map Name:** National Grid

**Map date:** 1969

**Scale:** 1:2,500

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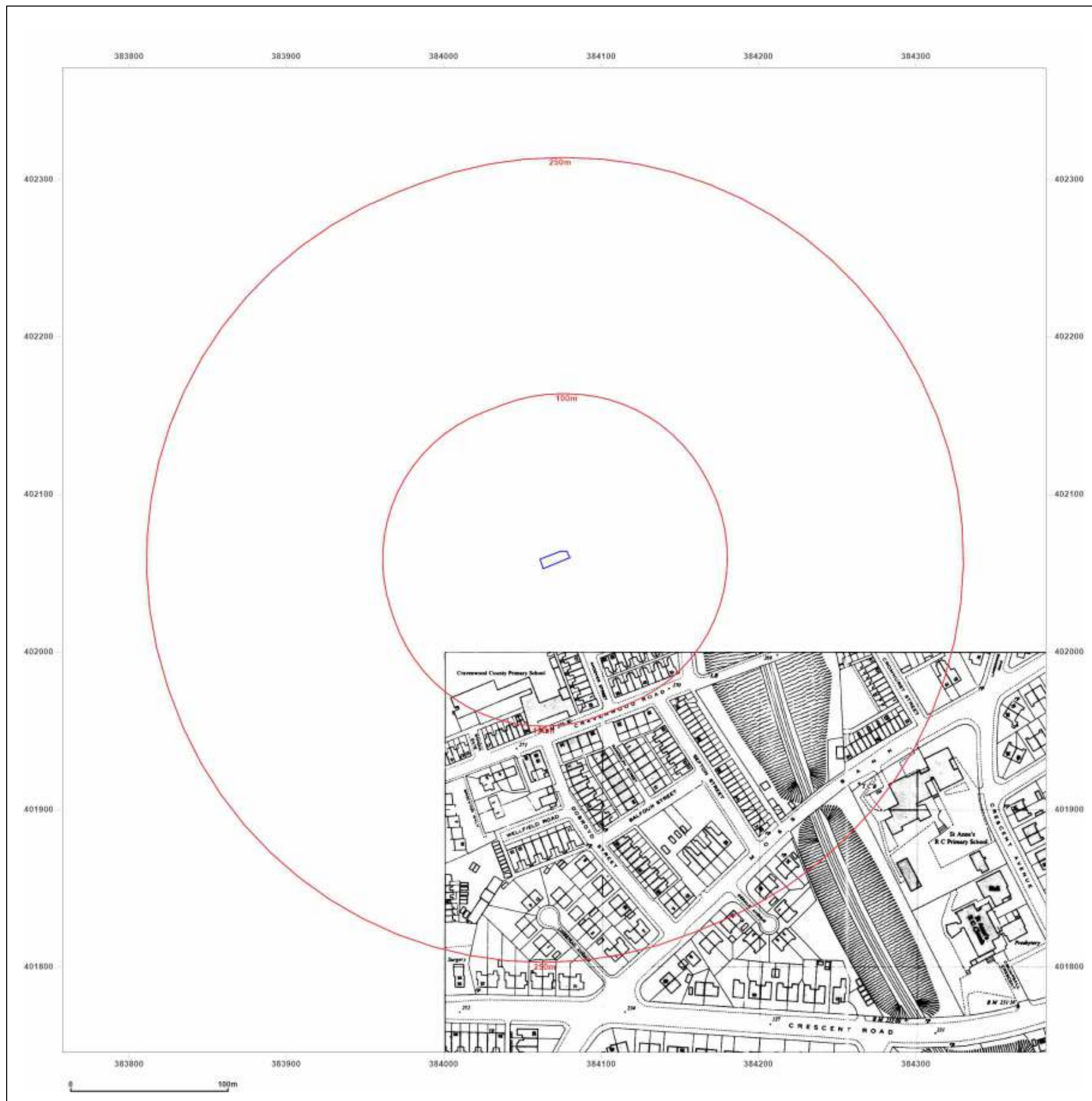


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**Report Ref:** CMAPS-CM-959754-4199-050521HIS  
**Grid Ref:** 384070, 402058

**Map Name:** National Grid

**Map date:** 1967-1971

**Scale:** 1:1,250

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**Report Ref:** CMAPS-CM-959754-4199-050521HIS  
**Grid Ref:** 384070, 402058

**Map Name:** National Grid

**Map date:** 1981

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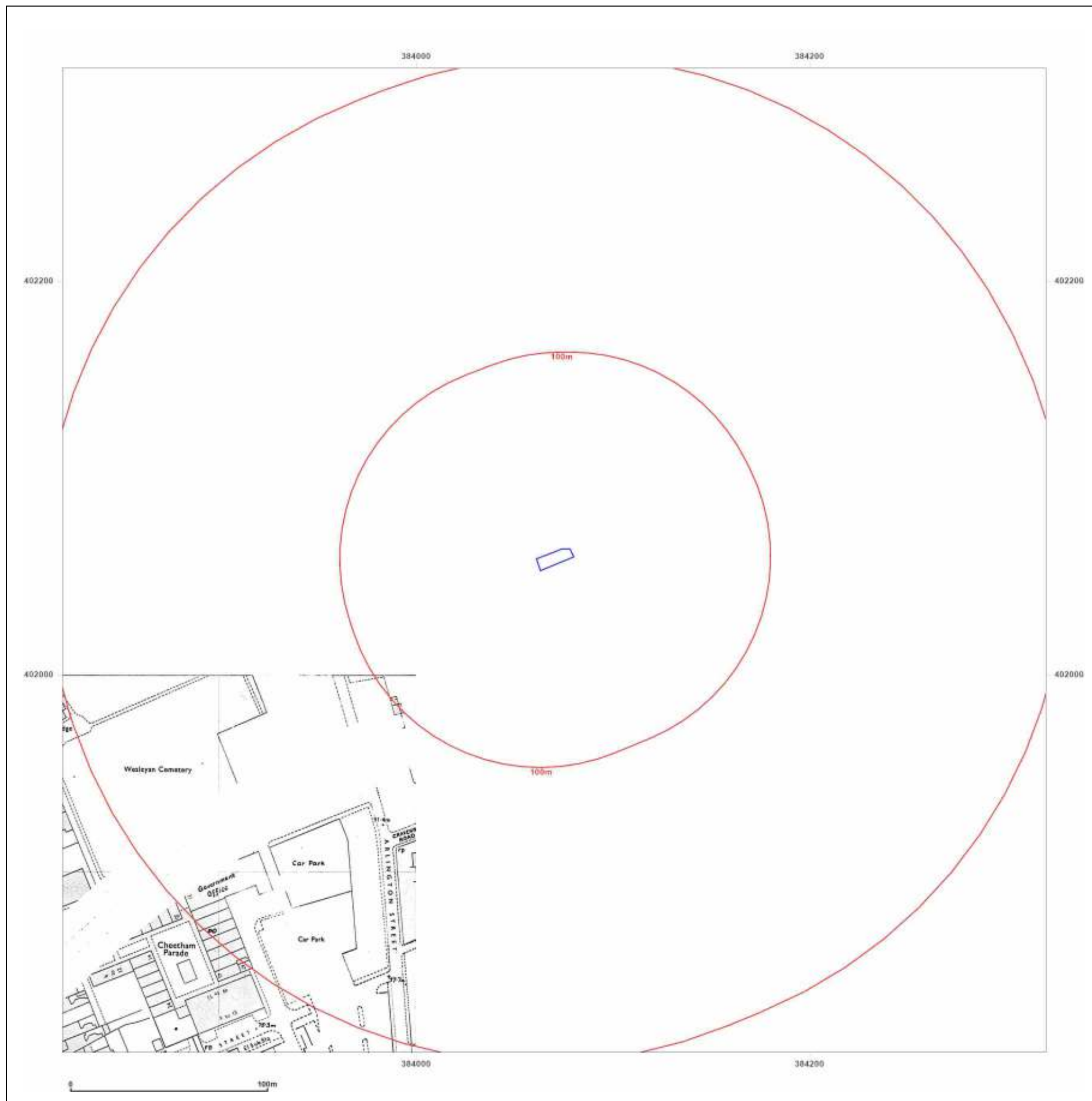


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**Report Ref:** CMAPS-CM-959754-4199-050521HIS  
**Grid Ref:** 384070, 402058

**Map Name:** National Grid

**Map date:** 1979-1984

**Scale:** 1:1,250

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**Client Ref:** 4199  
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**Grid Ref:** 384070, 402058

**Map Name:** National Grid

**Map date:** 1986-1987

**Scale:** 1:1,250

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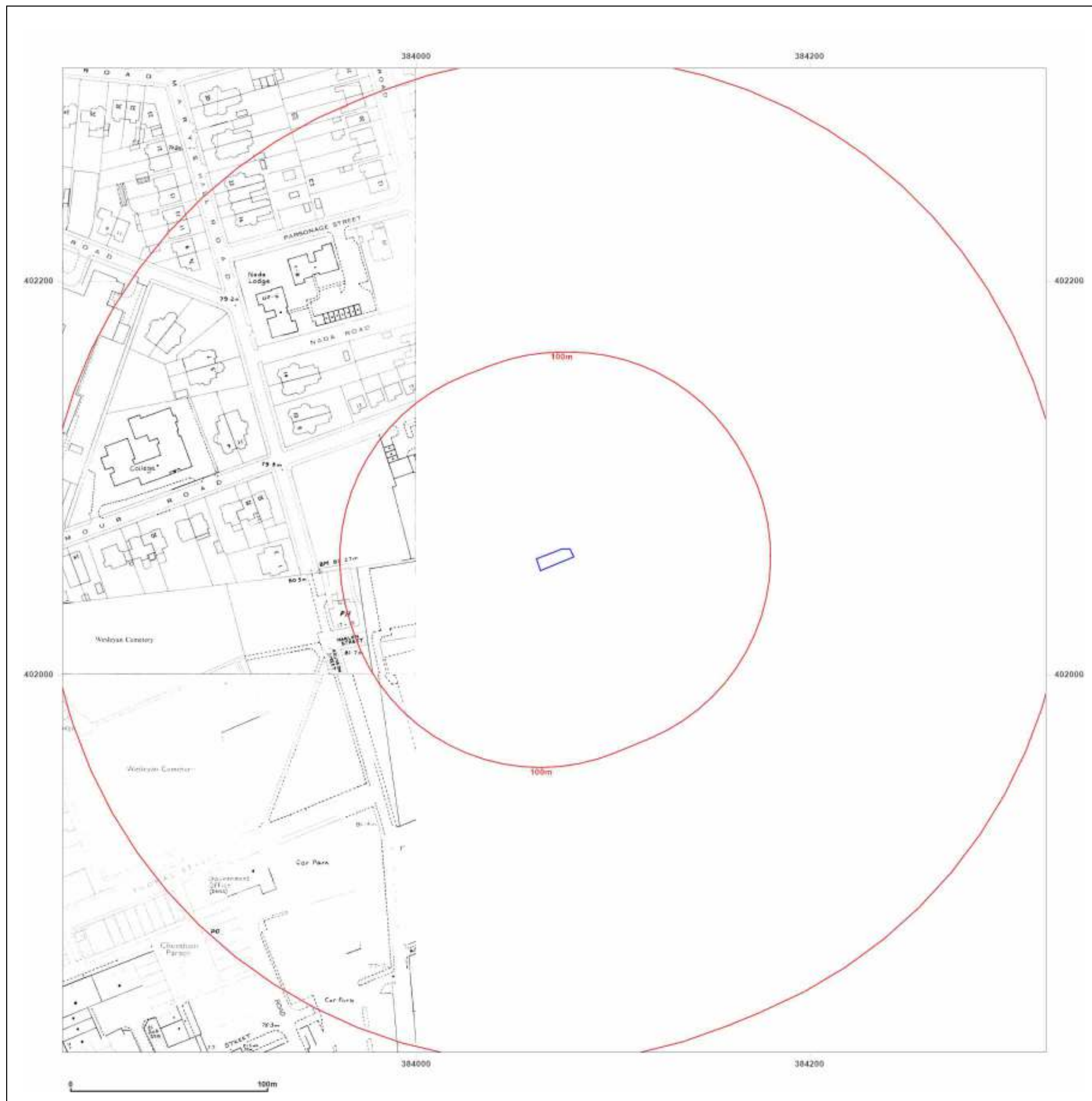


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**Client Ref:** 4199  
**Report Ref:** CMAPS-CM-959754-4199-050521HIS  
**Grid Ref:** 384070, 402058

**Map Name:** National Grid

**Map date:** 1989-1992

**Scale:** 1:1,250

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**Client Ref:** 4199  
**Report Ref:** CMAPS-CM-959754-4199-050521HIS  
**Grid Ref:** 384070, 402058

**Map Name:** National Grid

**Map date:** 1989-1993

**Scale:** 1:1,250

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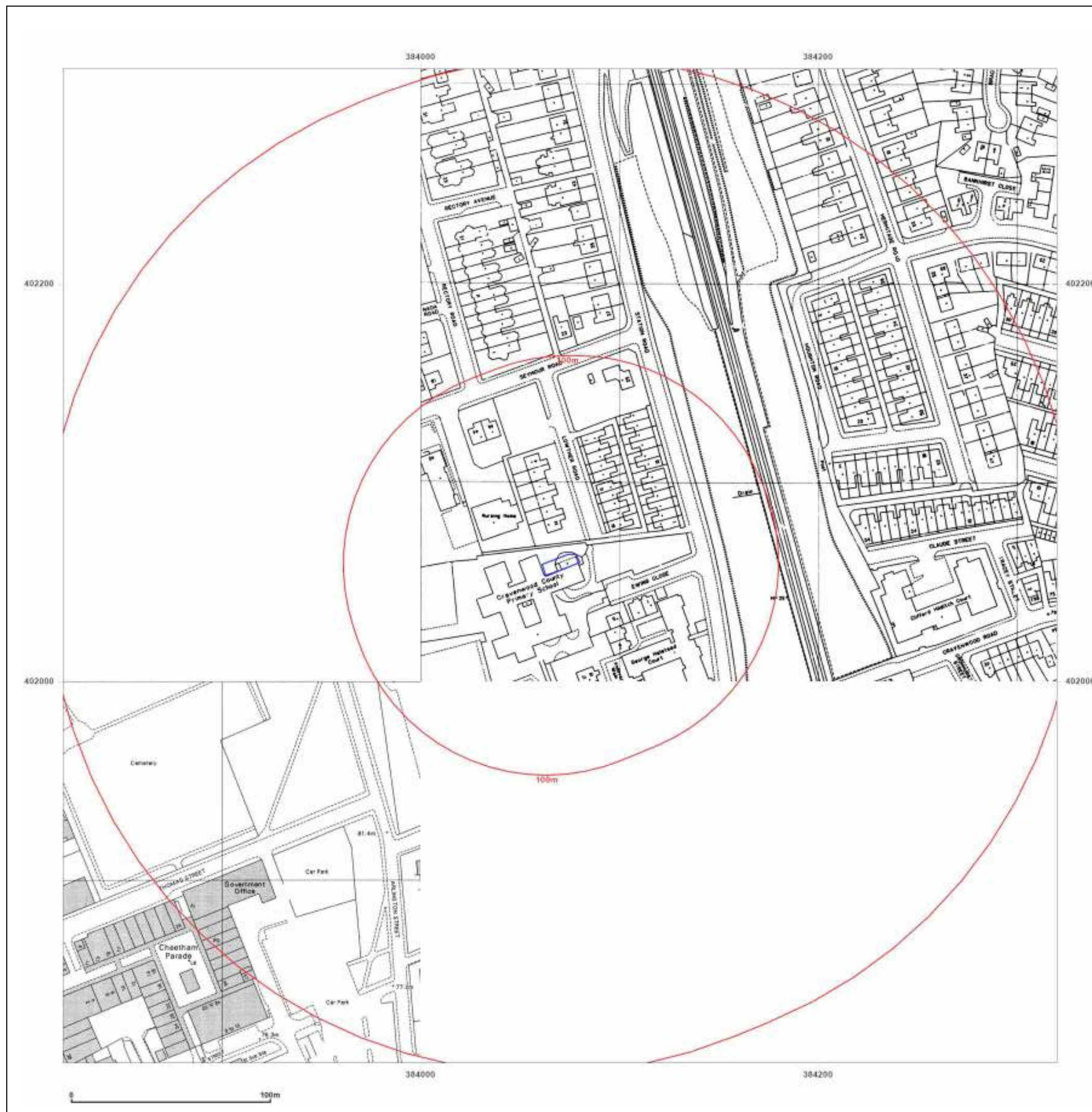


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**Client Ref:** 4199  
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**Grid Ref:** 384070, 402058

**Map Name:** National Grid

**Map date:** 1992-1995

**Scale:** 1:1,250

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**Map date:** 1992-1995

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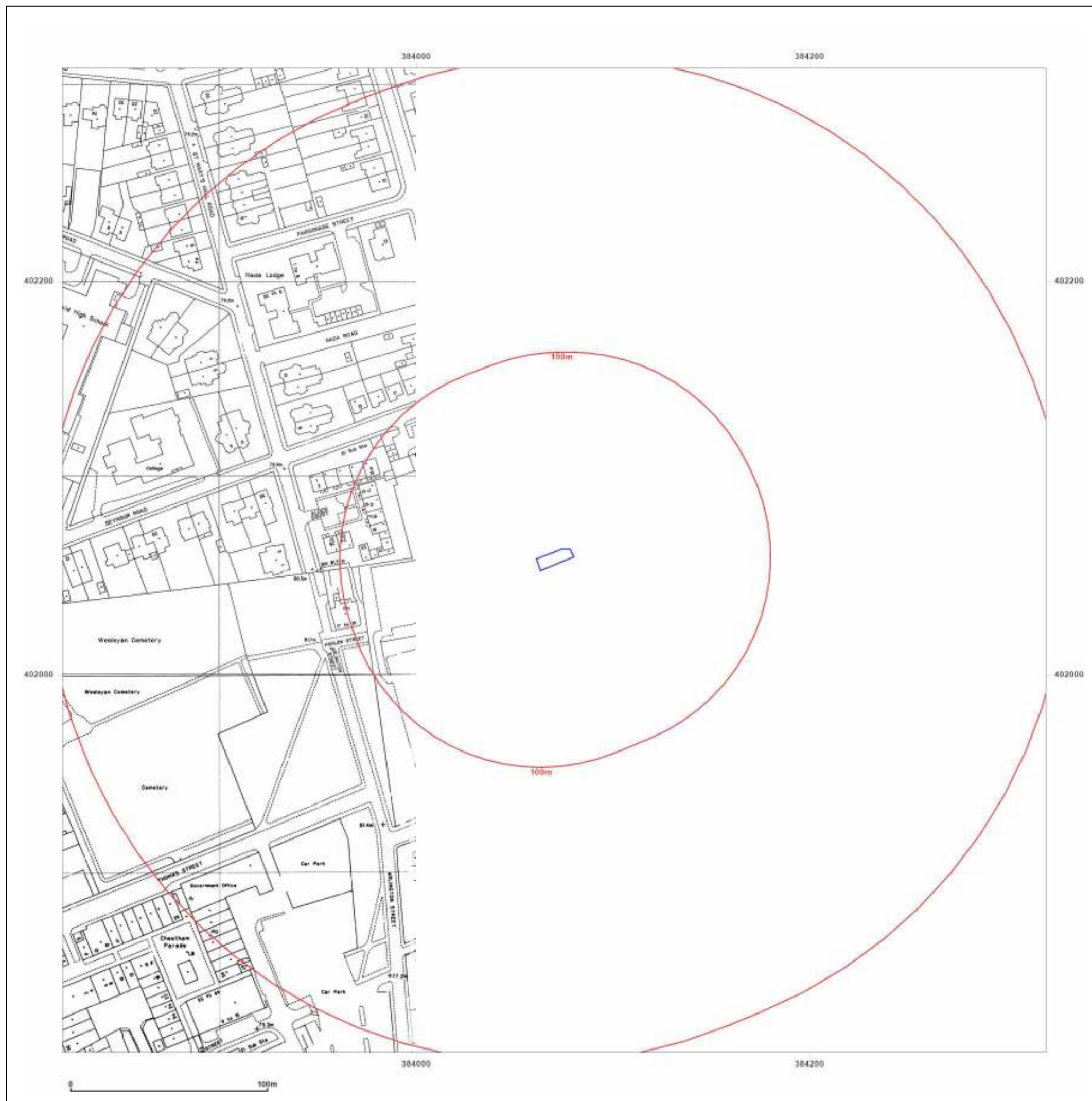


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**Report Ref:** CMAPS-CM-959754-4199-050521HIS  
**Grid Ref:** 384070, 402058

**Map Name:** National Grid

**Map date:** 1995

**Scale:** 1:1,250

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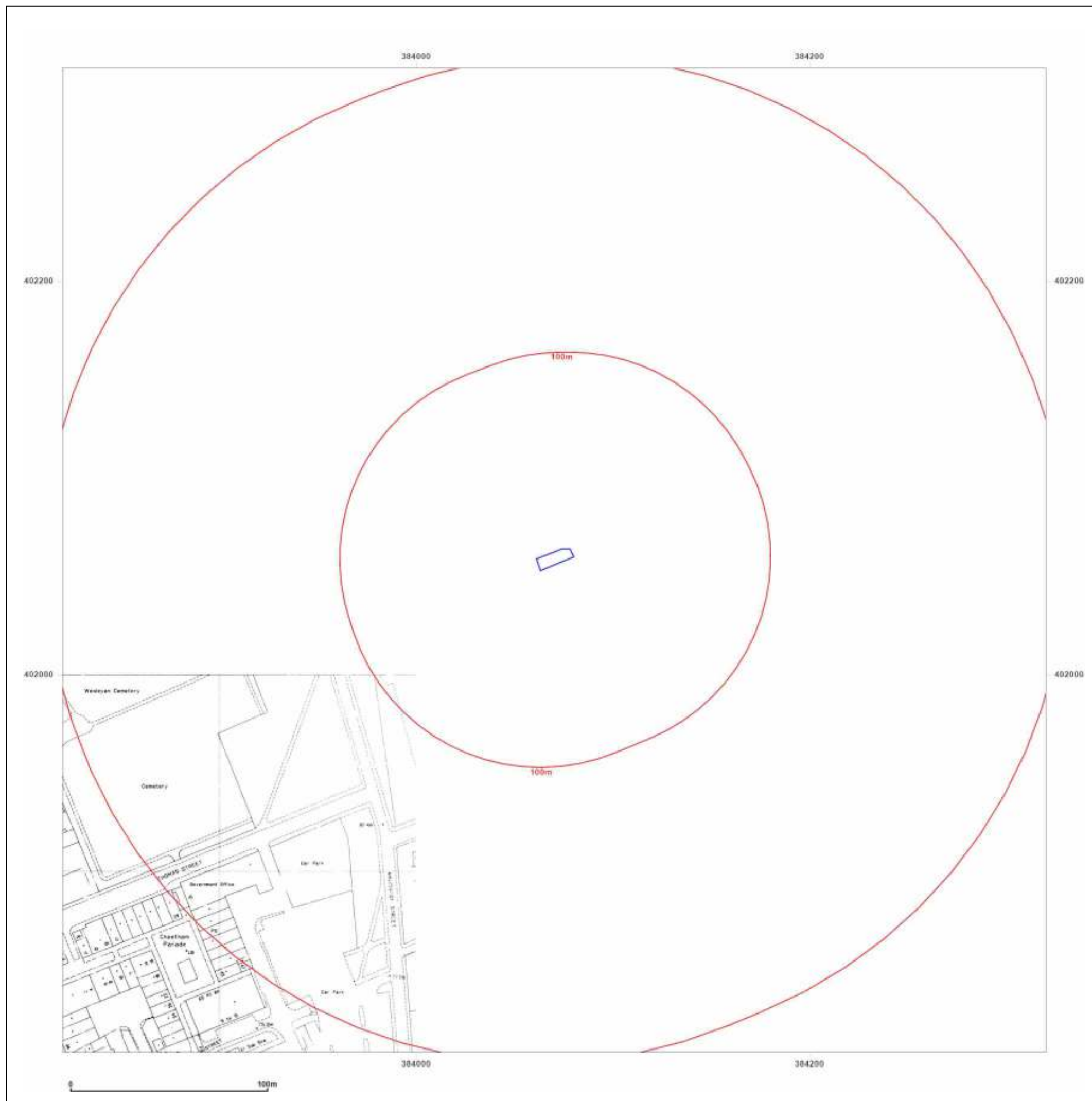


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**Report Ref:** CMAPS-CM-959754-4199-050521HIS  
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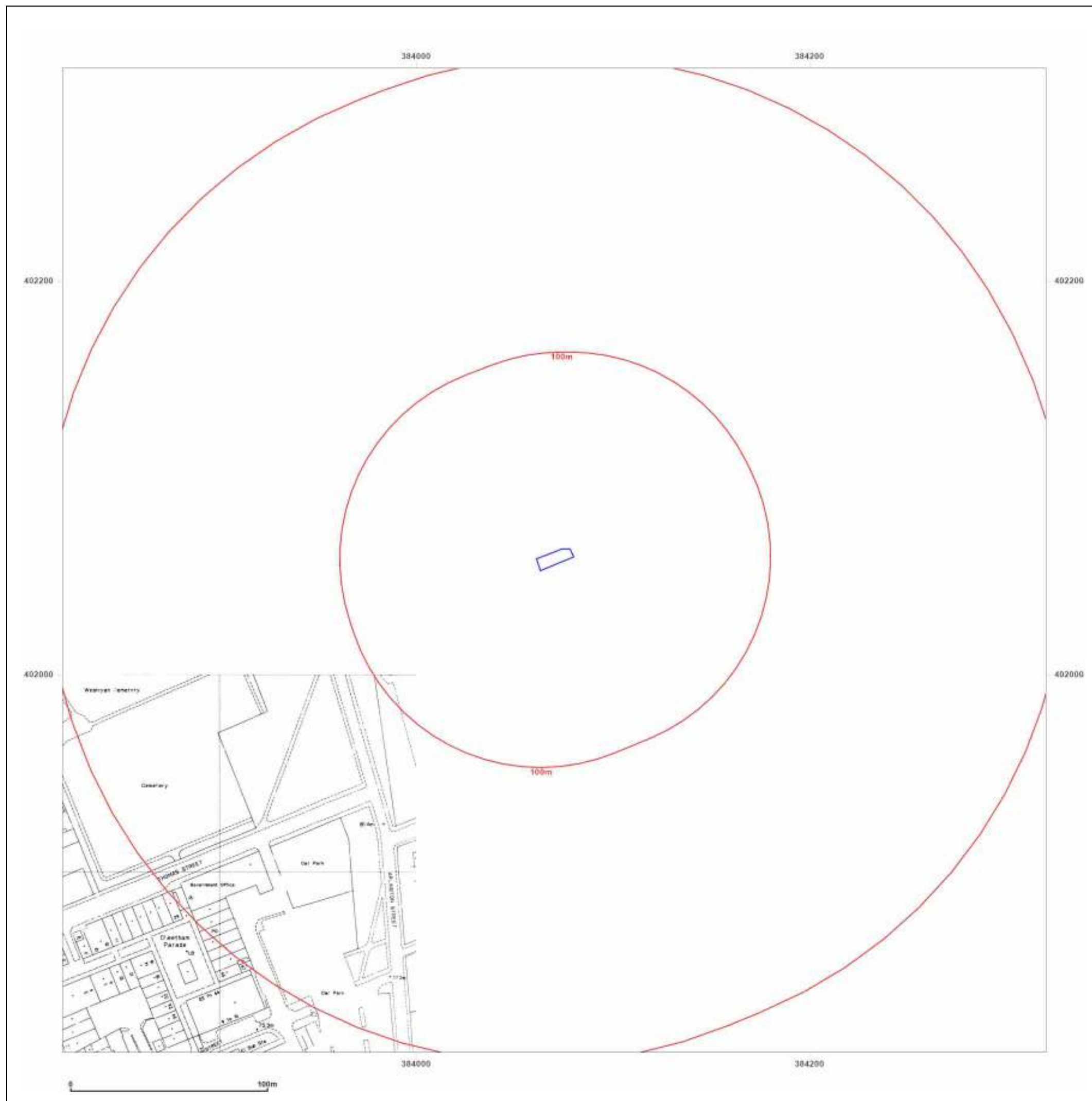


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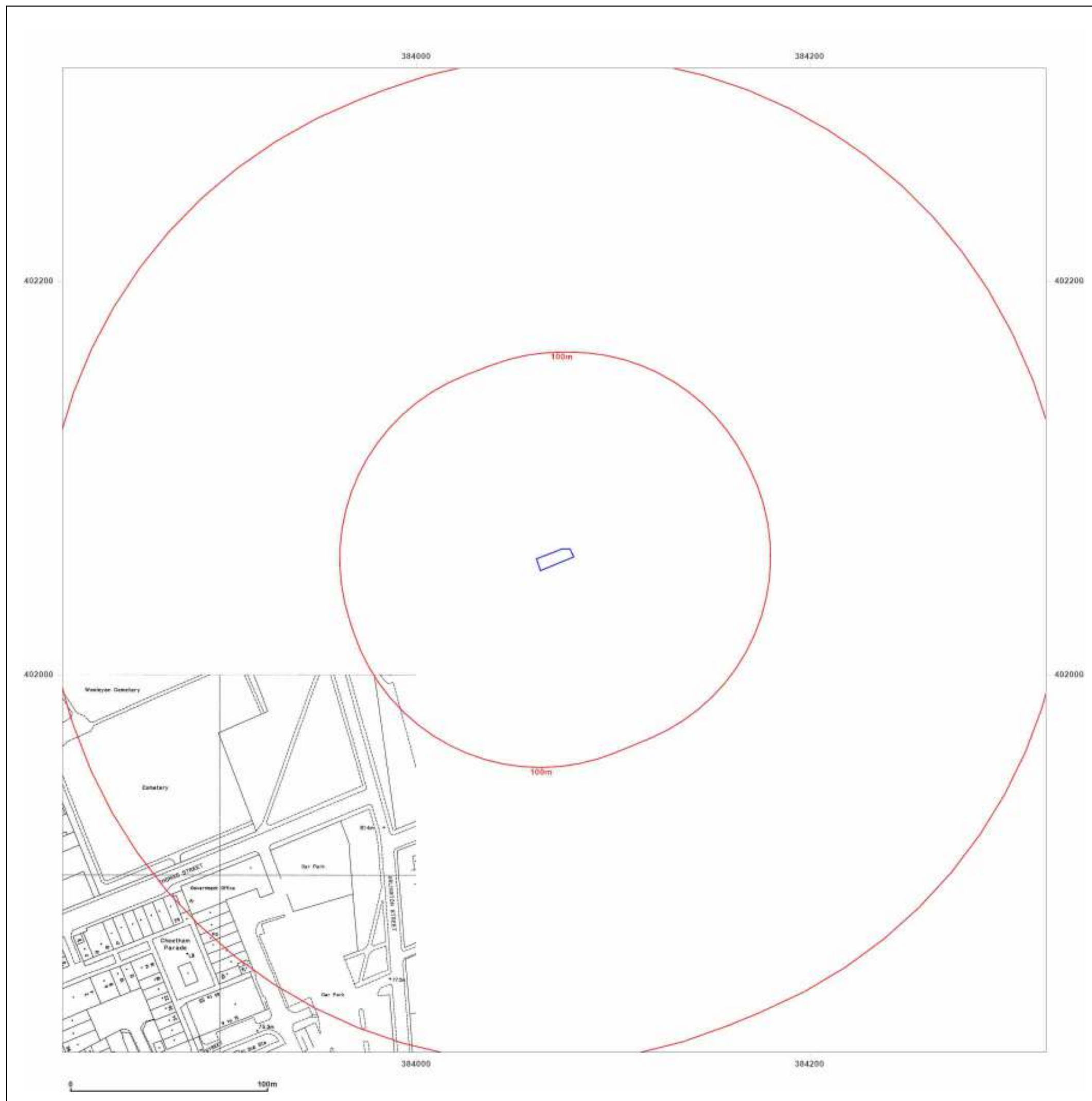


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**Grid Ref:** 384070, 402058

**Map Name:** LandLine

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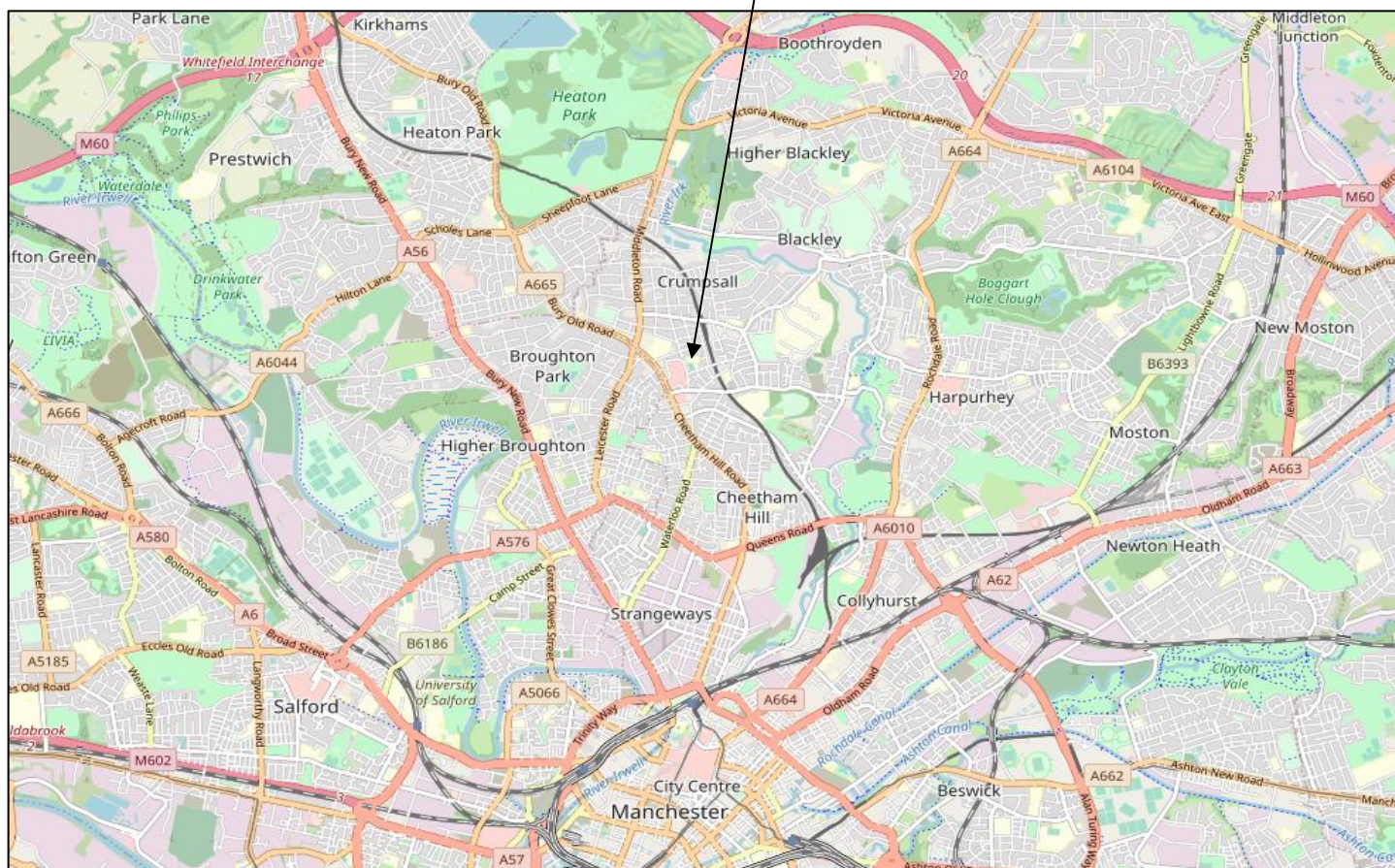
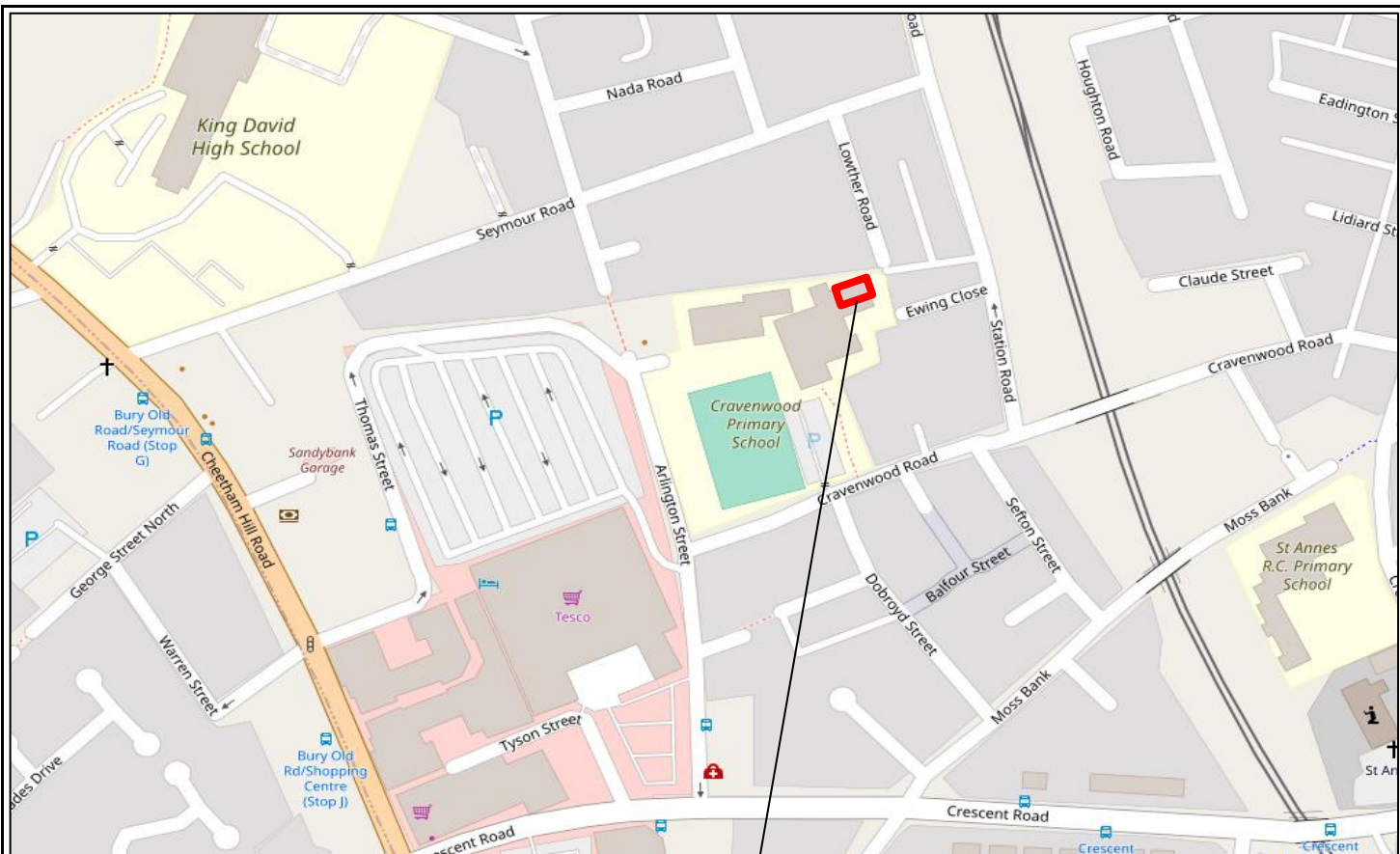
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Production date: 05 May 2021

Map legend available at:  
[www.groundsure.com/sites/default/files/groundsure\\_legend.pdf](http://www.groundsure.com/sites/default/files/groundsure_legend.pdf)

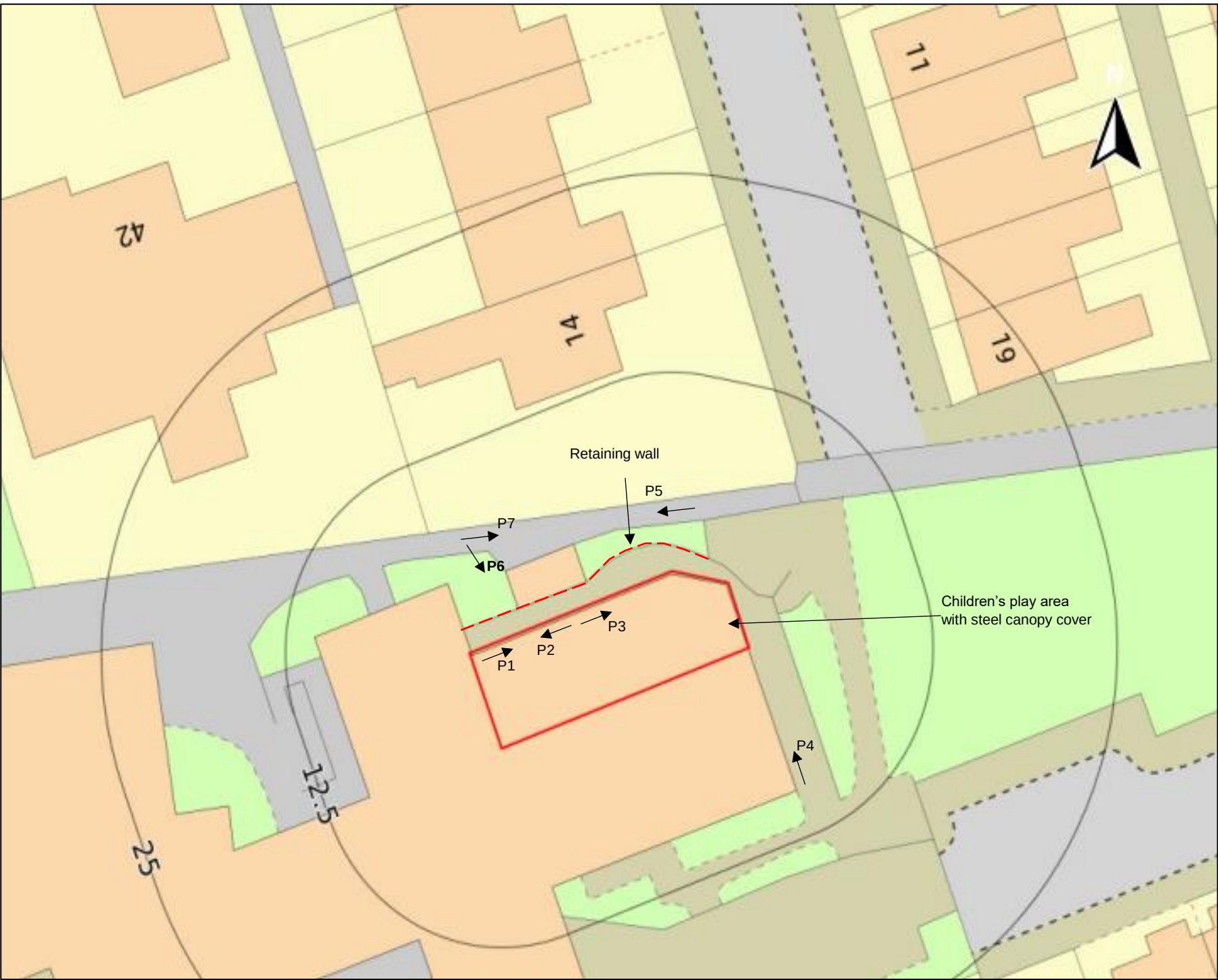


## FIGURES



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|                                                                                                                                                                                           |                                |                   |                                                                                                      |                         |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------|-------------------|------------------------------------------------------------------------------------------------------|-------------------------|
| <b>SS SUB SURFACE</b><br>SITE INVESTIGATION SPECIALISTS, GEOTECHNICAL & ENVIRONMENTAL CONSULTANTS<br>3 Peel Street, Preston, Lancashire, PR2 2QS. Tel: (01772) 561135 Fax: (01772) 204907 | Site Location Plan             |                   |                                                                                                      |                         |
| Site<br><b>CRAVENWOOD PRIMARY ACADEMY, CRAVENWOOD ROAD, CRUMPSALL, GREATER MANCHESTER</b>                                                                                                 | Date Drawn<br><b>01-Jun-21</b> | Date Checked<br>- | Orientation<br> | Job No.<br><b>7077B</b> |
| Client<br><b>CRAVENWOOD PRIMARY ACADEMY</b>                                                                                                                                               | Drawn By<br><b>SCB</b>         | Checked By<br>-   | Scale<br>-                                                                                           | Figure No.<br><b>1</b>  |



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**S SUB SURFACE**

**S** SITE INVESTIGATION SPECIALISTS, GEOTECHNICAL & ENVIRONMENTAL CONSULTANTS  
3 Peel Street, Preston, Lancashire, PR2 2QS. Tel: (01772) 561135 Fax: (01772) 204907

**Site Plan/ Walkover Photo Locations**

|                                                                            |             |               |              |                |
|----------------------------------------------------------------------------|-------------|---------------|--------------|----------------|
| Site:                                                                      | Date Drawn: | Date Checked: | Orientation: | Job Number:    |
| CRAVENWOOD PRIMARY ACADEMY, CRAVENWOOD ROAD, CRUMPSALL, GREATER MANCHESTER | 01-Jun-21   |               |              | 7077B          |
| Client:                                                                    | Drawn By:   | Checked By:   | Scale:       | Figure Number: |
| CRAVENWOOD PRIMARY ACADEMY                                                 | SCB         |               | —            | 2              |

1. ALL ITEMS TO BE REMOVED/DEMOLISHED IN RED
2. ITEMS IN GREEN REQUIRE ALTERNATIONS
3. READ IN CONJUNCTION WITH CON RISK REGISTER
4. READ DRAWINGS IN CONJUNCTION WITH STRUCTURAL AND ME DRAWINGS
5. READ IN CONJUNCTION WITH DEMOLITION SPOT ITEMS
6. READ IN CONJUNCTION WITH PHASING DRAWINGS
7. SURVEYING BUILT RECORD INFORMATION CAN BE FOUND AT XXXXXXXX
8. ASBESTOS (see text)

The North elevation is close to an existing retaining condition and the foundation is to be designed and demolition/construction phase is to take this into account so the wall is unaffected.  
Structural Engineer required to advise on design

Area of existing steel frame canopy roof to and masonry structures to be demolished shown hatched.

Excavation required for foundations for columns, walls, ground slab to new extension  
External levels to remain as existing

# **1 DEMOLITION PLAN** 1 : 50

Outline of canopy roof to be demolished

# **A DEMOLITION ELEVATION A** 1 : 50

Outline of canopy roof to be demolished

# **B DEMOLITION ELEVATION B** 1 : 50



CRIBB HAS APPROVED AND CORRECTED THIS DRAWING. REPORT ANY CHANGES OR COMMENTS.

**RIBA STAGE 2**

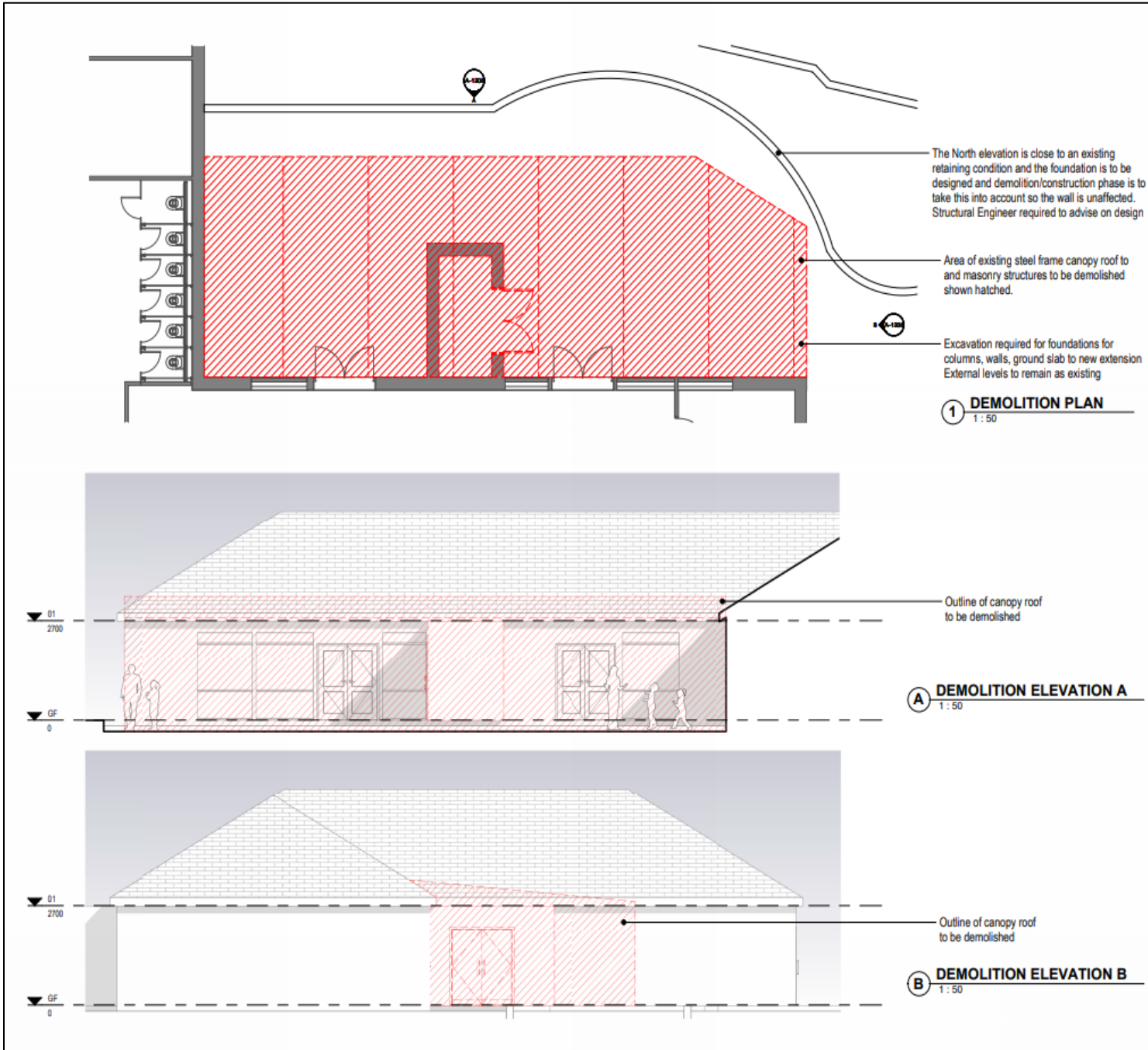
**adp**

Project Name: Cravenwood Primary School  
Project Address: Cravenwood Primary School, Cravenwood Road, Crumpsall, Greater Manchester, M8 5JL  
Project Contact: Mr. John Smith, Headteacher  
Project Email: john.smith@cravenwoodprimary.co.uk  
Project Phone: 0161 275 1234

Project Title: **GENERAL ARRANGEMENT - DEMOLITION**  
Main Contract Works

Scale: 1 : 50  
Drawing Number: A1  
Revision: 01

ULPS: ADP-06-XX-OR-A-100  
Revision: S1 P 2



## **S SUB SURFACE**

**SITE INVESTIGATION SPECIALISTS, GEOTECHNICAL & ENVIRONMENTAL CONSULTANTS**  
3 Peel Street, Preston, Lancashire, PR2 2QS. Tel: (01772) 561135 Fax: (01772) 204907

**Site:** CRAVENWOOD PRIMARY ACADEMY, CRAVENWOOD ROAD, CRUMPSALL, GREATER MANCHESTER  
**Client:** CRAVENWOOD PRIMARY ACADEMY

## **Proposed Development**

**Date Drawn:** 01-Jun-21  
**Date Checked:**  
**Orientation:** -  
**Job Number:** 7077B  
**Drawn By:** SCB  
**Checked By:**  
**Scale:** -  
**Figure Number:** 3